

Cover Page

Order ID : P3429

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

P3429-01
P3429-02
P3429-03
P3429-04

Client Sample Number

926-K1-WS-073124
931-K1-WS-073124
925-K1-WS-073124
TB-01-073124

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: 10/14/2024

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site Princeton NJ

Project # N/A

Chemtech Project # P3429

Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:

4 Water samples were received on 07/31/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOC-SIMGroup1, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for SVOCMS Group6.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group6 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for MLS-15-70-85MSD [2,4,6-Tribromophenol - 115%], PB162423BL [2,4 and6-Tribromophenol - 120%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P3415-04MS} with File ID: BF138909.D recoveries met the requirements for all compounds except for Benzo(k)fluoranthene[131%] this compound did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {P3415-05MSD} with File ID: BF138910.D recoveries met the acceptable requirements except for 2,4-Dinitrotoluene[131%], Acenaphthylene[131%], Anthracene[133%], Benzo(a)pyrene[133%], Benzo(k)fluoranthene[140%], Chrysene[132%], Di-n-butylphthalate[137%] these compounds did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[8%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.



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Phone: 908 789 8900 Fax: 908 789 8922

The RPD for {P3415-05MSD} with File ID: BF138910.D met criteria except for Benzaldehyde[200%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID BF138834.D met the requirements except for Pentachlorophenol but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BF138879.D met the requirements except for Benzaldehyde is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

This data package has been revised due to parameter list changed.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

F. Manual Integration Comments:

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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: P3429

MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	
	The Initial Calibration met the requirements .			
	The Continuous Calibration File ID BF138834.D met the requirements except for Pentachlorophenol but no positive hits in associated samples therefore no corrective action taken.			
	The Continuous Calibration File ID BF138879.D met the requirements except for Benzaldehyde is failing marginally low therefore no corrective action taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for MLS-15-70-85MSD [2,4,6-Tribromophenol - 115%], PB162423BL [2,4 and 6-Tribromophenol - 120%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.			

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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 MS {P3415-04MS} with File ID: BF138909.D recoveries met the requirements for all compounds except for Benzo(k)fluoranthene[131%] this compound did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.			
The MSD {P3415-05MSD} with File ID: BF138910.D recoveries met the acceptable requirements except for 2,4-Dinitrotoluene[131%], Acenaphthylene[131%], Anthracene[133%], Benzo(a)pyrene[133%], Benzo(k)fluoranthene[140%], Chrysene[132%], Di-n-butylphthalate[137%] these compounds did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[8%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.			
The Blank Spike met requirements for all samples .			
The RPD for {P3415-05MSD} with File ID: BF138910.D met criteria except for Benzaldehyde[200%] due to difference in results of MS and MSD.			
9. Internal Standard Area/Retention Time Shift Meet Criteria			✓
Comments:			
10. Extraction Holding Time Met			✓
If not met, list number of days exceeded for each sample:			
11. Analysis Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

This data package has been revised due to parameter list changed.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

QA REVIEW_____
Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3429

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: 10/14/2024

LAB CHRONICLE

OrderID:	P3429	OrderDate:	7/31/2024 4:38:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	926-K1-WS-073124	Water	SVOCMS Group6	8270E	07/31/24	08/01/24	08/07/24	07/31/24
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-02	931-K1-WS-073124	Water	SVOCMS Group6	8270E	07/31/24	08/01/24	08/07/24	07/31/24
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-03	925-K1-WS-073124	Water	SVOCMS Group6	8270E	07/31/24	08/01/24	08/07/24	07/31/24
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	



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Hit Summary Sheet SW-846

SDG No.: P3429
Client: JACOBS Engineering Group, Inc.

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P3415-04MS	MLS-15-70-85MS	2-Fluorophenol	150	63.4	42		15 (10)	110 (139)
		Phenol-d6	150	38.9	26		15 (10)	110 (134)
		Nitrobenzene-d5	100	108	108		30 (49)	130 (133)
		2-Fluorobiphenyl	100	110	110		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	162	108		15 (44)	110 (137)
		Terphenyl-d14	100	116	116		30 (48)	130 (125)
P3415-05MSD	MLS-15-70-85MSD	2-Fluorophenol	150	65.9	44		15 (10)	110 (139)
		Phenol-d6	150	40.2	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	117	117		30 (49)	130 (133)
		2-Fluorobiphenyl	100	114	114		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	127	127		30 (48)	130 (125)
P3429-01	926-K1-WS-073124	2-Fluorophenol	150	65.5	44		15 (10)	110 (139)
		Phenol-d6	150	39.2	26		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.2	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.2	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (32)	110 (145)
		Terphenyl-d14	100	108	108		30 (36)	130 (145)
P3429-02	931-K1-WS-073124	2-Fluorophenol	150	58.9	39		15 (10)	110 (139)
		Phenol-d6	150	36.0	24		15 (10)	110 (134)
		Nitrobenzene-d5	100	89.1	89		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.0	91		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	137	91		15 (32)	110 (145)
		Terphenyl-d14	100	91.7	92		30 (36)	130 (145)
P3429-03	925-K1-WS-073124	2-Fluorophenol	150	64.5	43		15 (10)	110 (139)
		Phenol-d6	150	38.1	25		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	105	105		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	162	108		15 (32)	110 (145)
		Terphenyl-d14	100	111	111		30 (36)	130 (145)
PB162423BL	PB162423BL	2-Fluorophenol	150	161	107		15 (10)	110 (139)
		Phenol-d6	150	161	107		15 (10)	110 (134)
		Nitrobenzene-d5	100	108	108		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	179	120	*	15 (44)	110 (137)
		Terphenyl-d14	100	129	129		30 (48)	130 (125)
PB162423BS	PB162423BS	2-Fluorophenol	150	135	90		15 (10)	110 (139)
		Phenol-d6	150	133	89		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.7	85		30 (49)	130 (133)
		2-Fluorobiphenyl	100	87.0	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	136	91		15 (44)	110 (137)
		Terphenyl-d14	100	118	118		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3415-04MS		Client Sample ID: MLS-15-70-85MS		DataFile: BF138909.D							
Pyridine	52.1	0	17.1	ug/L	33				20 (10)	160 (109)	
Benzaldehyde	52.1	0	0	ug/L	0	*			20 (10)	160 (137)	
2-Methylphenol	52.1	0	40.2	ug/L	77				70 (37)	130 (126)	
3+4-Methylphenols	52.1	0	37.0	ug/L	71				20 (31)	160 (127)	
Hexachloroethane	52.1	0	44.2	ug/L	85				20 (49)	160 (110)	
Nitrobenzene	52.1	0	57.1	ug/L	110				70 (62)	130 (112)	
Naphthalene	52.1	0	52.1	ug/L	100				70 (17)	130 (157)	
Hexachlorobutadiene	52.1	0	46.5	ug/L	89				70 (52)	130 (125)	
2-Methylnaphthalene	52.1	0	57.3	ug/L	110				70 (38)	130 (146)	
2,4,6-Trichlorophenol	52.1	0	57.9	ug/L	111				70 (78)	130 (112)	
2,4,5-Trichlorophenol	52.1	0	53.7	ug/L	103				70 (71)	130 (111)	
Acenaphthylene	52.1	0	64.7	ug/L	124				70 (40)	130 (141)	
Acenaphthene	52.1	0	59.4	ug/L	114				70 (37)	130 (146)	
Dibenzofuran	52.1	0	63.0	ug/L	121				70 (41)	130 (145)	
2,4-Dinitrotoluene	52.1	0	63.0	ug/L	121				70 (50)	130 (142)	
Fluorene	52.1	0	63.1	ug/L	121				70 (39)	130 (144)	
Hexachlorobenzene	52.1	0	63.5	ug/L	122				70 (72)	130 (115)	
Pentachlorophenol	100	0	88.5	ug/L	89				20 (25)	160 (139)	
Phenanthrene	52.1	0	64.6	ug/L	124				70 (40)	130 (147)	
Anthracene	52.1	0	66.9	ug/L	128				70 (41)	130 (146)	
Carbazole	52.1	0	59.9	ug/L	115				70 (37)	130 (154)	
Di-n-butylphthalate	52.1	0	66.9	ug/L	128				70 (40)	130 (151)	
Fluoranthene	52.1	0	55.9	ug/L	107				70 (42)	130 (146)	
Pyrene	52.1	0	56.2	ug/L	108				70 (41)	130 (149)	
Benzo(a)anthracene	52.1	0	63.3	ug/L	121				70 (41)	130 (147)	
Chrysene	52.1	0	64.1	ug/L	123				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	52.1	0	64.9	ug/L	125				70 (33)	130 (160)	
Benzo(b)fluoranthene	52.1	0	57.7	ug/L	111				70 (40)	130 (150)	
Benzo(k)fluoranthene	52.1	0	68.1	ug/L	131	*			70 (40)	130 (147)	
Benzo(a)pyrene	52.1	0	66.2	ug/L	127				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	52.1	0	55.5	ug/L	107				70 (30)	130 (166)	
Dibenz(a,h)anthracene	52.1	0	55.4	ug/L	106				70 (23)	130 (172)	
Benzo(g,h,i)perylene	52.1	0	46.7	ug/L	90				70 (27)	130 (167)	
1,4-Dioxane	52.1	0	18.2	ug/L	35				20 (38)	160 (130)	
1-Methylnaphthalene	52.1	0	55.8	ug/L	107				70 (25)	130 (151)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3415-05MSD	Client Sample ID:	MLS-15-70-85MSD					DataFile:	BF138910.D		
Pyridine	52.1	0	17.9	ug/L	34		3		20 (10)	160 (109)	20 (20)
Benzaldehyde	52.1	0	4.30	ug/L	8	*	200	*	20 (10)	160 (137)	20 (20)
2-Methylphenol	52.1	0	40.6	ug/L	78		1		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	52.1	0	38.4	ug/L	74		4		20 (31)	160 (127)	20 (20)
Hexachloroethane	52.1	0	44.7	ug/L	86		1		20 (49)	160 (110)	20 (20)
Nitrobenzene	52.1	0	61.4	ug/L	118		7		70 (62)	130 (112)	20 (20)
Naphthalene	52.1	0	55.9	ug/L	107		7		70 (17)	130 (157)	20 (20)
Hexachlorobutadiene	52.1	0	49.2	ug/L	94		5		70 (52)	130 (125)	20 (20)
2-Methylnaphthalene	52.1	0	62.5	ug/L	120		9		70 (38)	130 (146)	20 (20)
2,4,6-Trichlorophenol	52.1	0	60.7	ug/L	117		5		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	52.1	0	58.3	ug/L	112		8		70 (71)	130 (111)	20 (20)
Acenaphthylene	52.1	0	68.1	ug/L	131	*	5		70 (40)	130 (141)	20 (20)
Acenaphthene	52.1	0	61.4	ug/L	118		3		70 (37)	130 (146)	20 (20)
Dibenzofuran	52.1	0	65.7	ug/L	126		4		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	52.1	0	68.5	ug/L	131	*	8		70 (50)	130 (142)	20 (20)
Fluorene	52.1	0	66.1	ug/L	127		5		70 (39)	130 (144)	20 (20)
Hexachlorobenzene	52.1	0	65.7	ug/L	126		3		70 (72)	130 (115)	20 (20)
Pentachlorophenol	100	0	91.0	ug/L	91		2		20 (25)	160 (139)	20 (20)
Phenanthrene	52.1	0	67.4	ug/L	129		4		70 (40)	130 (147)	20 (20)
Anthracene	52.1	0	69.1	ug/L	133	*	4		70 (41)	130 (146)	20 (20)
Carbazole	52.1	0	64.4	ug/L	124		8		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	52.1	0	71.3	ug/L	137	*	7		70 (40)	130 (151)	20 (20)
Fluoranthene	52.1	0	59.0	ug/L	113		5		70 (42)	130 (146)	20 (20)
Pyrene	52.1	0	60.7	ug/L	117		8		70 (41)	130 (149)	20 (20)
Benzo(a)anthracene	52.1	0	67.3	ug/L	129		6		70 (41)	130 (147)	20 (20)
Chrysene	52.1	0	69.0	ug/L	132	*	7		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	52.1	0	67.7	ug/L	130		4		70 (33)	130 (160)	20 (20)
Benzo(b)fluoranthene	52.1	0	60.9	ug/L	117		5		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	52.1	0	73.1	ug/L	140	*	7		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	52.1	0	69.2	ug/L	133	*	5		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	52.1	0	58.6	ug/L	112		5		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	52.1	0	58.3	ug/L	112		6		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	52.1	0	49.9	ug/L	96		6		70 (27)	130 (167)	20 (20)
1,4-Dioxane	52.1	0	19.2	ug/L	37		6		20 (38)	160 (130)	20 (20)
1-Methylnaphthalene	52.1	0	59.2	ug/L	114		6		70 (25)	130 (151)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF138884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Qual	Low	High	
PB162423BS	Pyridine	50	33.5	ug/L	67					20 (29)	160 (97)	
	Benzaldehyde	50	40.0	ug/L	80					20 (10)	160 (162)	
	2-Methylphenol	50	48.8	ug/L	98					70 (69)	130 (109)	
	3+4-Methylphenols	50	51.0	ug/L	102					20 (67)	160 (106)	
	Hexachloroethane	50	46.0	ug/L	92					20 (76)	160 (118)	
	Nitrobenzene	50	43.2	ug/L	86					70 (58)	130 (106)	
	Naphthalene	50	44.7	ug/L	89					70 (64)	130 (107)	
	Hexachlorobutadiene	50	44.4	ug/L	89					70 (69)	130 (101)	
	2-Methylnaphthalene	50	47.5	ug/L	95					70 (64)	130 (107)	
	2,4,6-Trichlorophenol	50	45.6	ug/L	91					70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.7	ug/L	89					70 (70)	130 (106)	
	Acenaphthylene	50	48.8	ug/L	98					70 (79)	130 (103)	
	Acenaphthene	50	44.3	ug/L	89					70 (59)	130 (113)	
	Dibenzofuran	50	47.1	ug/L	94					70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	49.2	ug/L	98					70 (60)	130 (115)	
	Fluorene	50	47.6	ug/L	95					70 (64)	130 (107)	
	Hexachlorobenzene	50	45.2	ug/L	90					70 (73)	130 (106)	
	Pentachlorophenol	100	79.7	ug/L	80					20 (47)	160 (114)	
	Phenanthrene	50	46.8	ug/L	94					70 (62)	130 (109)	
	Anthracene	50	48.3	ug/L	97					70 (65)	130 (110)	
	Carbazole	50	46.3	ug/L	93					70 (62)	130 (106)	
	Di-n-butylphthalate	50	55.6	ug/L	111					70 (64)	130 (106)	
	Fluoranthene	50	48.3	ug/L	97					70 (64)	130 (110)	
	Pyrene	50	50.3	ug/L	101					70 (71)	130 (103)	
	Benzo(a)anthracene	50	46.8	ug/L	94					70 (62)	130 (107)	
	Chrysene	50	47.5	ug/L	95					70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	45.6	ug/L	91					70 (59)	130 (110)	
	Benzo(b)fluoranthene	50	48.2	ug/L	96					70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.2	ug/L	106					70 (77)	130 (105)	
	Benzo(a)pyrene	50	52.4	ug/L	105					70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	46.7	ug/L	93					70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	46.2	ug/L	92					70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	41.6	ug/L	83					70 (75)	130 (118)	
	1,4-Dioxane	50	30.1	ug/L	60					20 (38)	160 (125)	
	1-Methylnaphthalene	50	44.0	ug/L	88					70 (51)	130 (114)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162423BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: P3429

SAS No.: P3429 SDG NO.: P3429

Lab File ID: BF138883.D

Lab Sample ID: PB162423BL

Instrument ID: BNA_F

Date Extracted: 08/01/2024

Matrix: (soil/water) Water

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 11:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162423BS	PB162423BS	BF138884.D	08/09/2024
MLS-15-70-85MS	P3415-04MS	BF138909.D	08/10/2024
MLS-15-70-85MSD	P3415-05MSD	BF138910.D	08/10/2024
926-K1-WS-073124	P3429-01	BF138847.D	08/07/2024
931-K1-WS-073124	P3429-02	BF138848.D	08/07/2024
925-K1-WS-073124	P3429-03	BF138849.D	08/07/2024

COMMENTS: _____



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3429 SDG NO.: P3429Lab File ID: BF138679.DDFTPP Injection Date: 07/30/2024Instrument ID: BNA_FDFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	41.1
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	51.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.8 (18.9) 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	BF138680.D	07/30/2024	12:54
SSTDICC005	SSTDICC005	BF138681.D	07/30/2024	13:25
SSTDICC010	SSTDICC010	BF138682.D	07/30/2024	13:56
SSTDICC020	SSTDICC020	BF138683.D	07/30/2024	14:25
SSTDICCC040	SSTDICCC040	BF138684.D	07/30/2024	14:56
SSTDICC050	SSTDICC050	BF138685.D	07/30/2024	15:27
SSTDICC060	SSTDICC060	BF138686.D	07/30/2024	15:58
SSTDICC080	SSTDICC080	BF138687.D	07/30/2024	16:29



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3429 SDG NO.: P3429Lab File ID: BF138833.DDFTPP Injection Date: 08/07/2024Instrument ID: BNA_FDFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (18.6) 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	BF138834.D	08/07/2024	11:00
926-K1-WS-073124	P3429-01	BF138847.D	08/07/2024	17:36
931-K1-WS-073124	P3429-02	BF138848.D	08/07/2024	18:06
925-K1-WS-073124	P3429-03	BF138849.D	08/07/2024	18:36



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3429 SDG NO.: P3429Lab File ID: BF138878.DDFTPP Injection Date: 08/09/2024Instrument ID: BNA_FDFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.8
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.1 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138879.D	08/09/2024	09:48
PB162423BL	PB162423BL	BF138883.D	08/09/2024	11:52
PB162423BS	PB162423BS	BF138884.D	08/09/2024	12:23



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3429 SDG NO.: P3429Lab File ID: BF138900.DDFTPP Injection Date: 08/10/2024Instrument ID: BNA_FDFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.8
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	40.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.6 (19.2) 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	BF138901.D	08/10/2024	10:41
MLS-15-70-85MS	P3415-04MS	BF138909.D	08/10/2024	14:48
MLS-15-70-85MSD	P3415-05MSD	BF138910.D	08/10/2024	15:19

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/07/2024

Lab File ID: BF138834.D Time Analyzed: 11:00

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	53283	6.84	211206	8.12	116265	9.88
UPPER LIMIT	106566	7.34	422412	8.622	232530	10.381
LOWER LIMIT	26641.5	6.34	105603	7.622	58132.5	9.381
EPA SAMPLE NO.						
01 926-K1-WS-073124	42757	6.84	180039	8.12	99192	9.87
02 931-K1-WS-073124	45617	6.84	185150	8.12	102137	9.87
03 925-K1-WS-073124	41178	6.84	167219	8.12	91023	9.87

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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/07/2024

Lab File ID: BF138834.D Time Analyzed: 11:00

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	196393	11.363	90664	14.004	98369	15.463
UPPER LIMIT	392786	11.863	181328	14.504	196738	15.963
LOWER LIMIT	98196.5	10.863	45332	13.504	49184.5	14.963
EPA SAMPLE NO.						
01 926-K1-WS-073124	163767	11.36	80836	14.00	84652	15.46
02 931-K1-WS-073124	162112	11.36	78712	14.00	84478	15.46
03 925-K1-WS-073124	146465	11.36	69873	13.99	75535	15.46

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/09/2024

Lab File ID: BF138879.D Time Analyzed: 09:48

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	65310	6.845	265298	8.13	151080	9.88
UPPER LIMIT	130620	7.345	530596	8.628	302160	10.38
LOWER LIMIT	32655	6.345	132649	7.628	75540	9.38
EPA SAMPLE NO.						
01 PB162423BL	40879	6.84	169292	8.12	101270	9.88
02 PB162423BS	54661	6.84	239610	8.12	137458	9.88

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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/09/2024

Lab File ID: BF138879.D Time Analyzed: 09:48

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	254940	11.363	120643	14.004	111360	15.462
UPPER LIMIT	509880	11.863	241286	14.504	222720	15.962
LOWER LIMIT	127470	10.863	60321.5	13.504	55680	14.962
EPA SAMPLE NO.						
01 PB162423BL	195894	11.36	116610	14.00	79046	15.46
02 PB162423BS	237762	11.36	114847	14.00	99135	15.46

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/10/2024

Lab File ID: BF138901.D Time Analyzed: 10:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	63234	6.845	258541	8.13	146261	9.88
UPPER LIMIT	126468	7.345	517082	8.628	292522	10.38
LOWER LIMIT	31617	6.345	129271	7.628	73130.5	9.38
EPA SAMPLE NO.						
01 MLS-15-70-85MS	35990	6.84	150436	8.12	82692	9.88
02 MLS-15-70-85MSD	34319	6.84	136930	8.12	78360	9.88

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.: P3429 SAS No.: P3429 SDG NO.: P3429

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/10/2024

Lab File ID: BF138901.D Time Analyzed: 10:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	247933	11.369	115525	14.004	117822	15.468
UPPER LIMIT	495866	11.869	231050	14.504	235644	15.968
LOWER LIMIT	123967	10.869	57762.5	13.504	58911	14.968
EPA SAMPLE NO.						
01 MLS-15-70-85MS	131267	11.36	65057	14.00	78552	15.46
02 MLS-15-70-85MSD	126223	11.36	61844	14.00	75440	15.46

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:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138847.D	1	08/01/24 08:20	08/07/24 17:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.10	ug/L
100-52-7	Benzaldehyde	4.10	U	4.10	10.2	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.2	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.10	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	5.10	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.10	ug/L
86-73-7	Fluorene	0.98	U	0.98	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	5.10	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	5.10	ug/L
218-01-9	Chrysene	0.88	U	0.88	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138847.D	1	08/01/24 08:20	08/07/24 17:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
90-12-0	1-Methylnaphthalene	0.88	U	0.88	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	65.5		15 (10) - 110 (139)	44%	SPK: 150
13127-88-3	Phenol-d6	39.2		15 (10) - 110 (134)	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.2		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (32) - 110 (145)	98%	SPK: 150
1718-51-0	Terphenyl-d14	108		30 (36) - 130 (145)	108%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	42800	6.84
1146-65-2	Naphthalene-d8	180000	8.122
15067-26-2	Acenaphthene-d10	99200	9.869
1517-22-2	Phenanthrene-d10	164000	11.357
1719-03-5	Chrysene-d12	80800	13.998
1520-96-3	Perylene-d12	84700	15.457

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_F\Data\BF080724\
Data File : BF138847.D
Acq On : 07 Aug 2024 17:36
Operator : RC/JU
Sample : P3429-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

Quant Time: Aug 07 18:21:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	42757	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	180039	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	99192	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	163767	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	80836	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	84652	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	181343	65.470	ng	0.00
7) Phenol-d6	6.481	99	145945	39.245	ng	0.00
23) Nitrobenzene-d5	7.404	82	343231	93.208	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	119492	147.064	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	634862	96.165	ng	-0.01
79) Terphenyl-d14	12.939	244	523175	108.360	ng	0.00

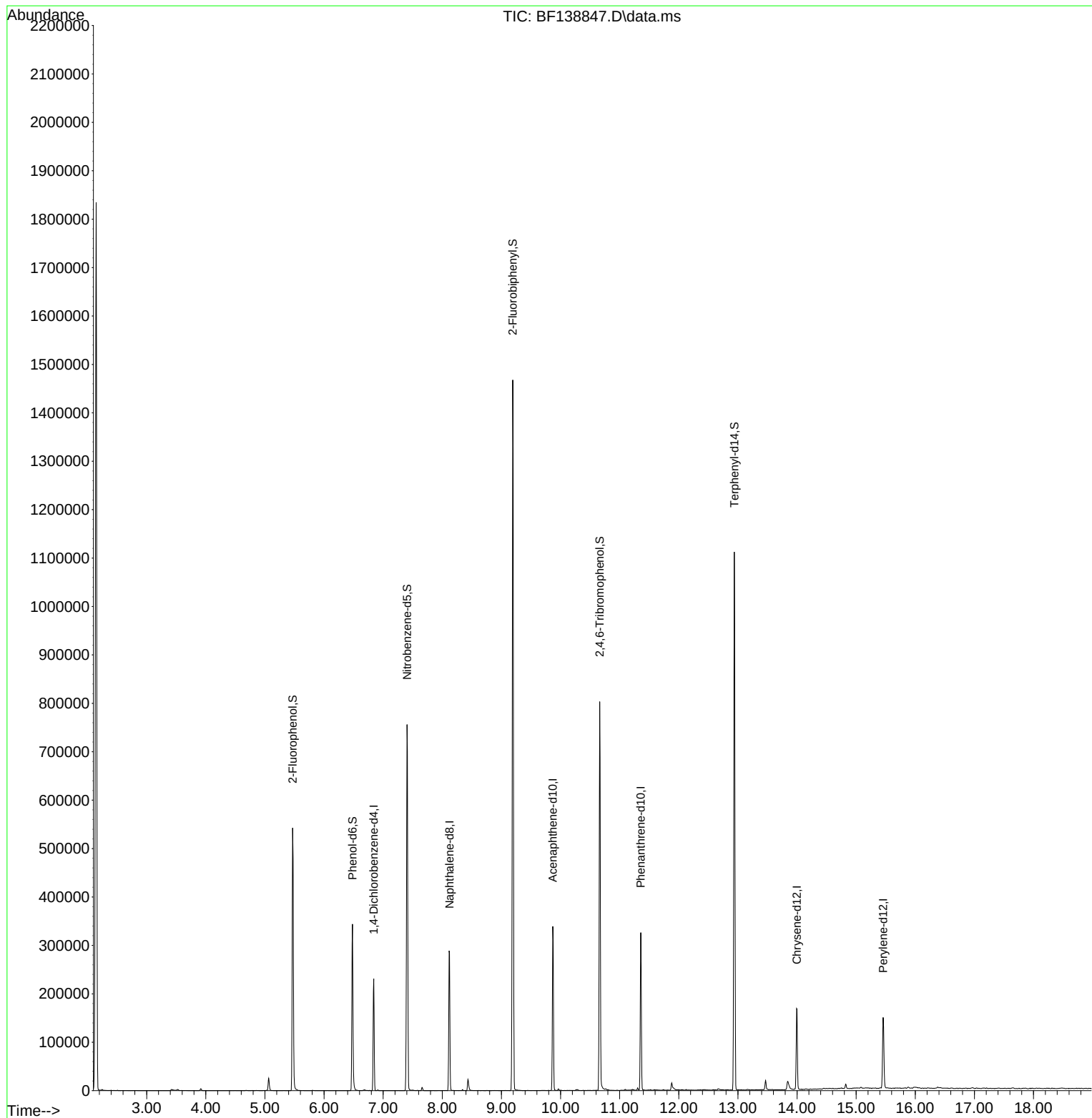
Target Compounds	Qvalue

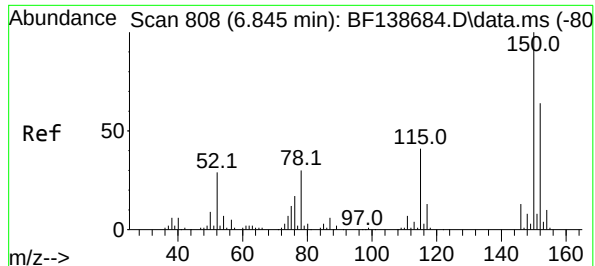
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138847.D
Acq On : 07 Aug 2024 17:36
Operator : RC/JU
Sample : P3429-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

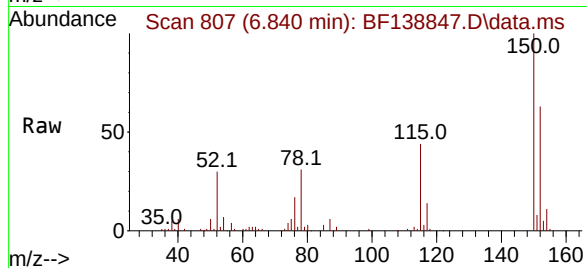
Quant Time: Aug 07 18:21:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



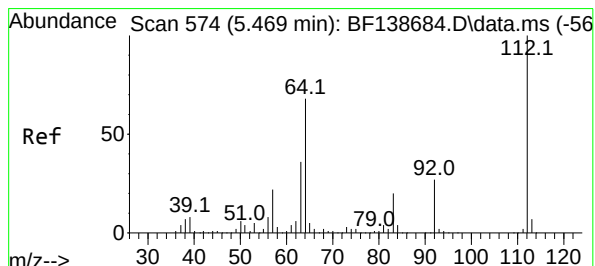
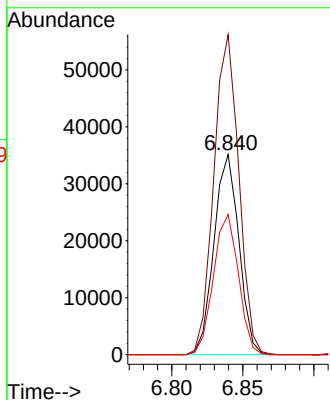
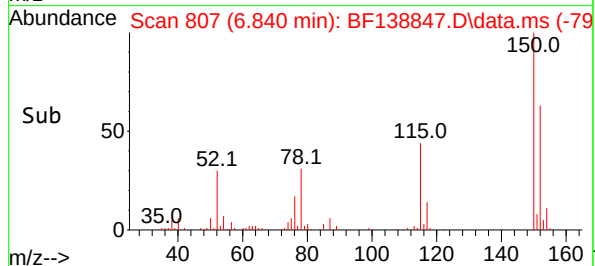


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

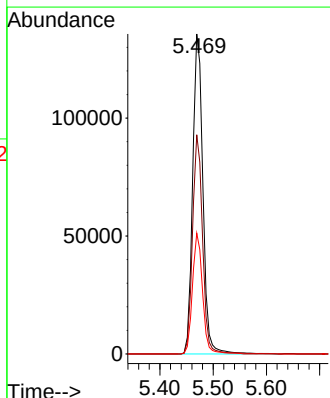
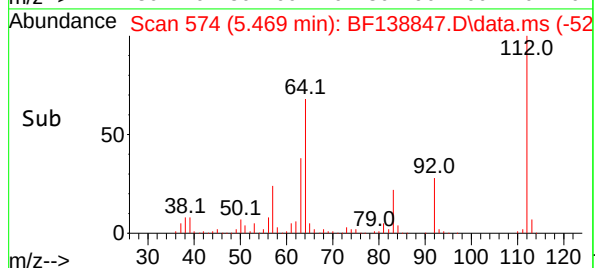
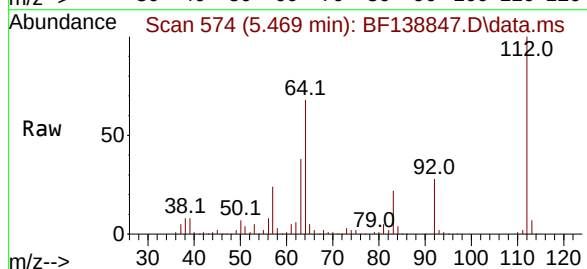


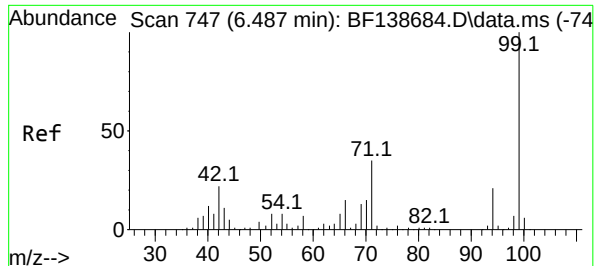
Tgt Ion:152 Resp: 42757
Ion Ratio Lower Upper
152 100
150 159.9 126.0 189.0
115 70.0 51.7 77.5



#5
2-Fluorophenol
Concen: 65.470 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion:112 Resp: 181343
Ion Ratio Lower Upper
112 100
64 68.5 54.2 81.4
63 37.8 28.7 43.1

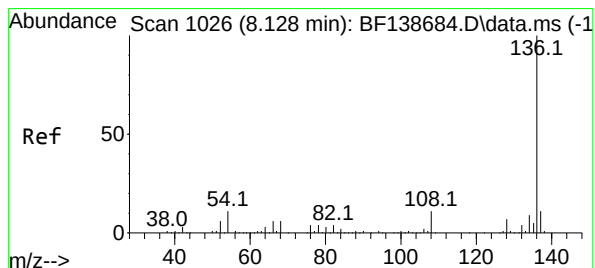
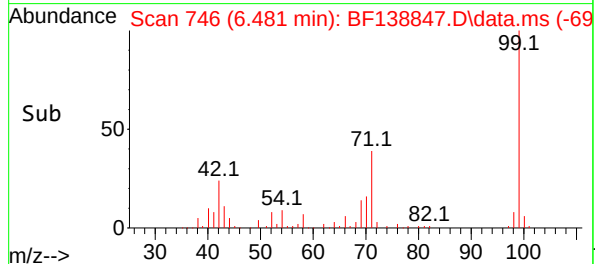
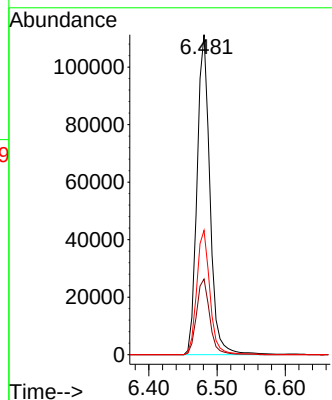
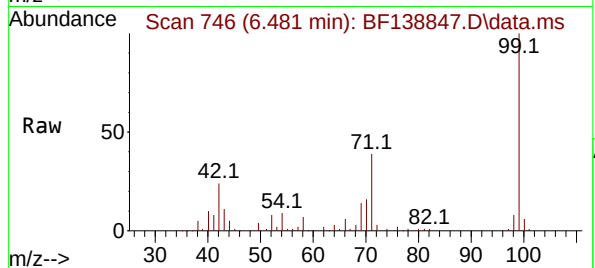




#7
Phenol-d6
Concen: 39.245 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

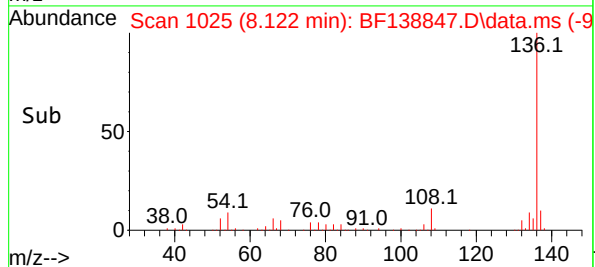
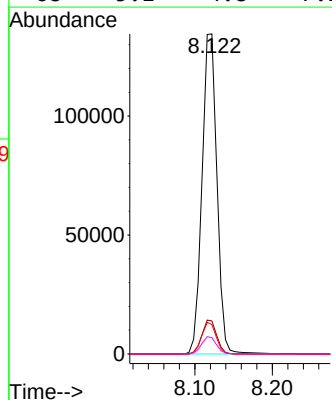
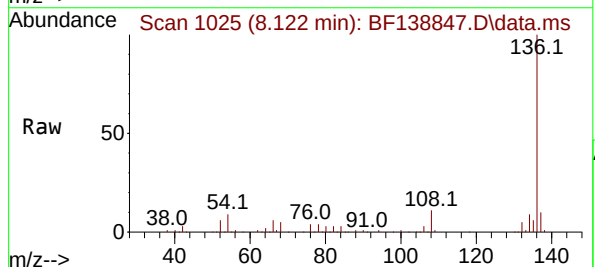
Instrument :
BNA_F
ClientSampleId :
926-K1-WS-073124

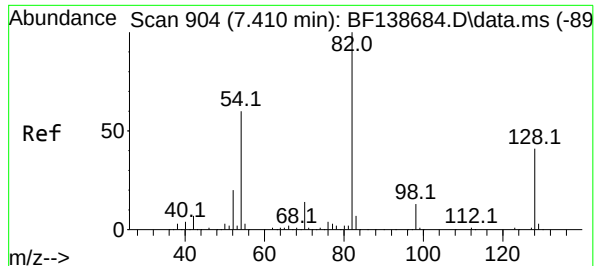
Tgt Ion: 99 Resp: 145945
Ion Ratio Lower Upper
99 100
42 23.6 17.4 26.0
71 38.9 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138847.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 136 Resp: 180039
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.2 8.6 12.8
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 93.208 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138847.D

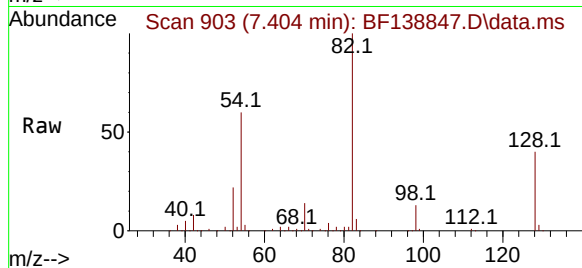
Acq: 07 Aug 2024 17:36

Instrument :

BNA_F

ClientSampleId :

926-K1-WS-073124



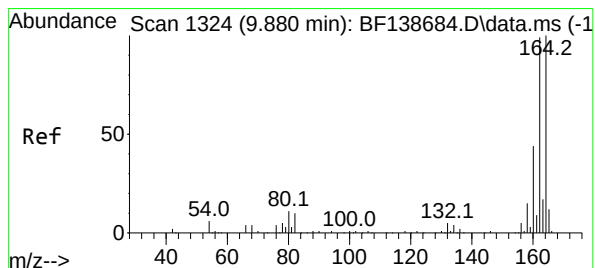
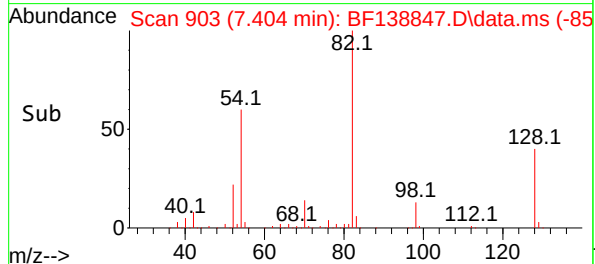
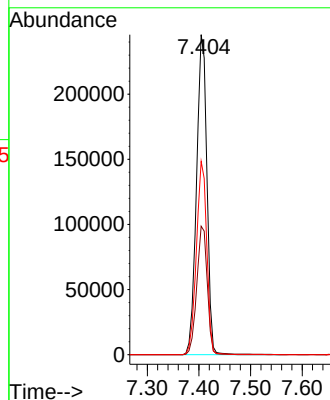
Tgt Ion: 82 Resp: 343231

Ion Ratio Lower Upper

82 100

128 40.1 32.8 49.2

54 60.4 48.3 72.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.011 min

Lab File: BF138847.D

Acq: 07 Aug 2024 17:36

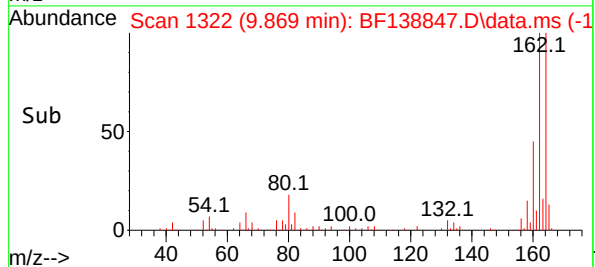
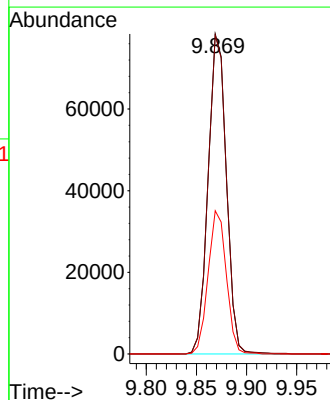
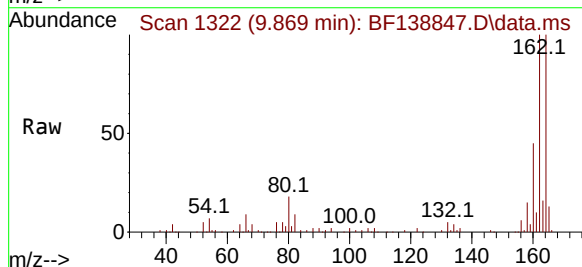
Tgt Ion: 164 Resp: 99192

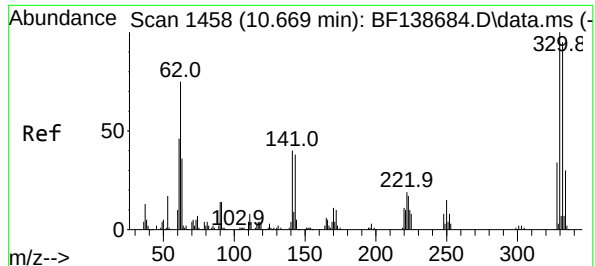
Ion Ratio Lower Upper

164 100

162 99.7 79.4 119.0

160 44.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 147.064 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138847.D

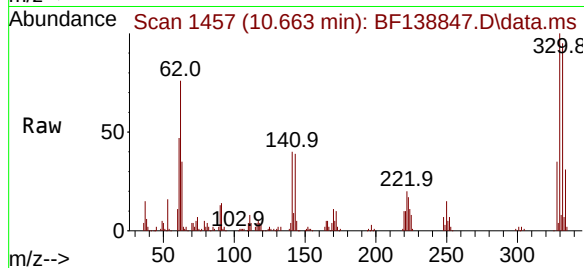
Acq: 07 Aug 2024 17:36

Instrument :

BNA_F

ClientSampleId :

926-K1-WS-073124



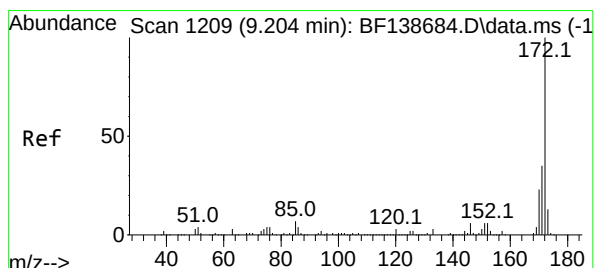
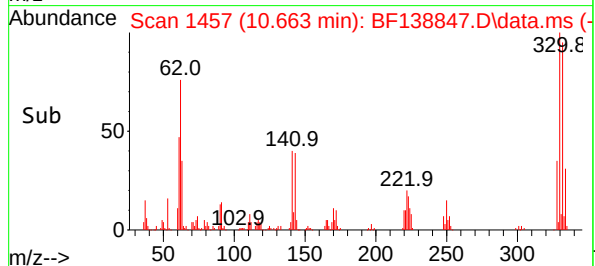
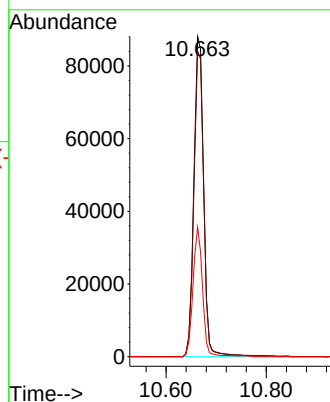
Tgt Ion:330 Resp: 119492

Ion Ratio Lower Upper

330 100

332 96.3 76.4 114.6

141 39.5 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 96.165 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138847.D

Acq: 07 Aug 2024 17:36

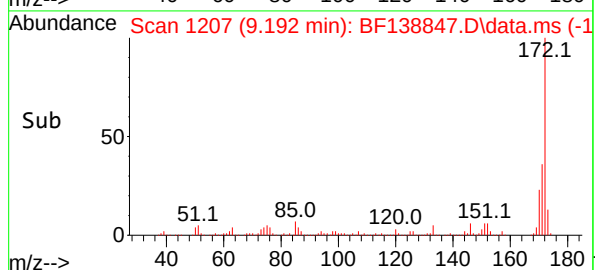
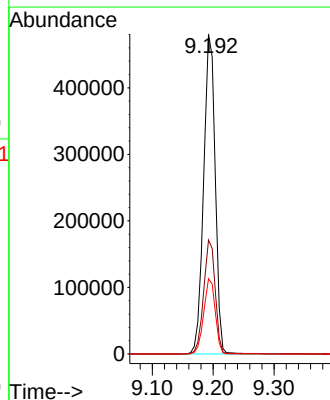
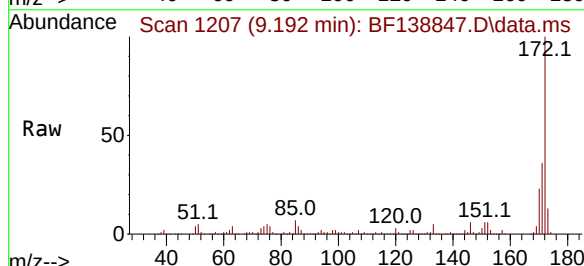
Tgt Ion:172 Resp: 634862

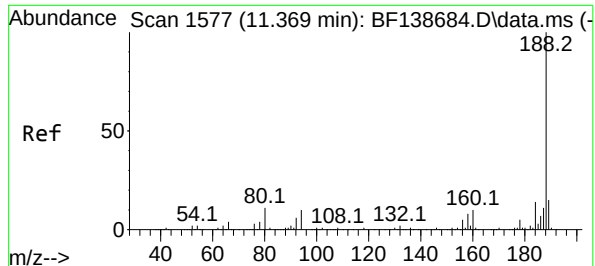
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138847.D

Acq: 07 Aug 2024 17:36

Instrument :

BNA_F

ClientSampleId :

926-K1-WS-073124

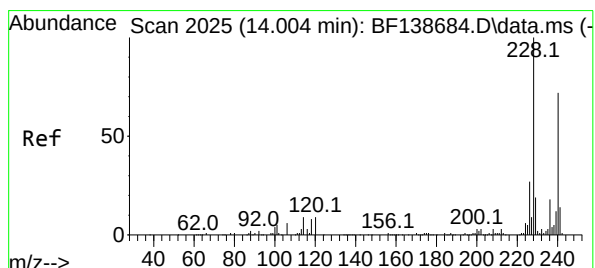
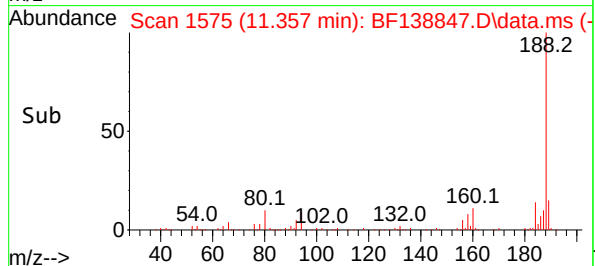
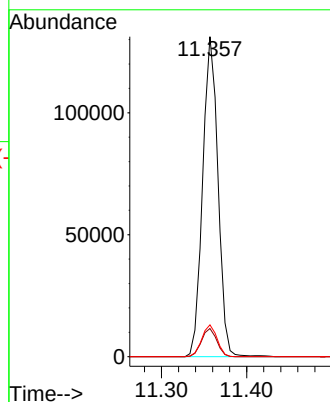
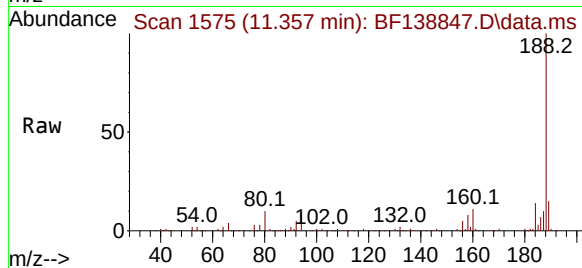
Tgt Ion:188 Resp: 163767

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.9 8.6 12.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF138847.D

Acq: 07 Aug 2024 17:36

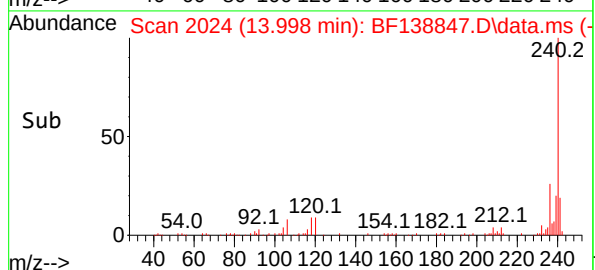
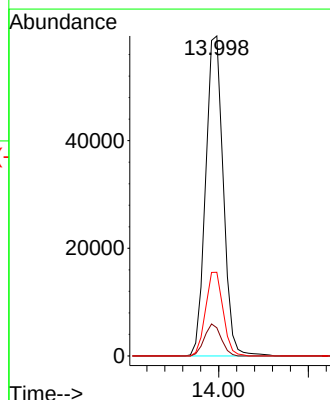
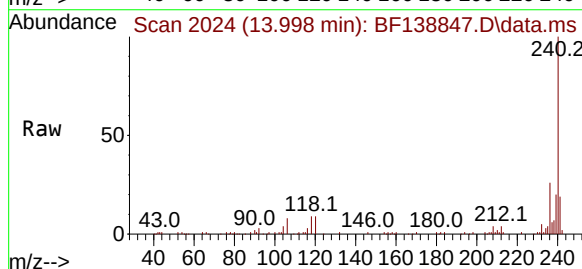
Tgt Ion:240 Resp: 80836

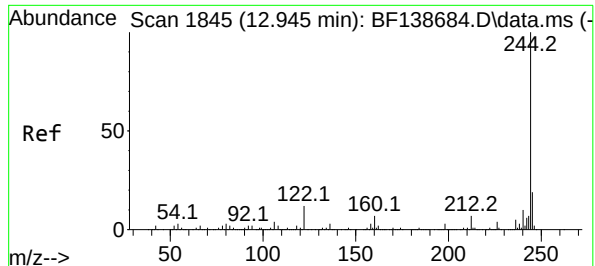
Ion Ratio Lower Upper

240 100

120 8.8 10.2 15.4#

236 26.2 19.8 29.8





#79

Terphenyl-d14

Concen: 108.360 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138847.D

Acq: 07 Aug 2024 17:36

Instrument :

BNA_F

ClientSampleId :

926-K1-WS-073124

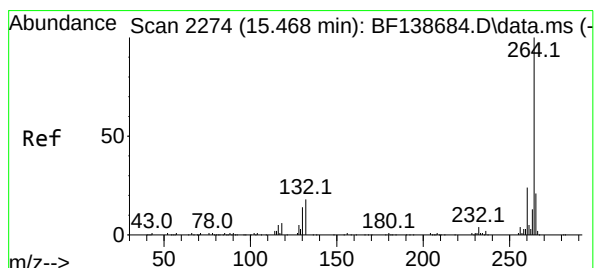
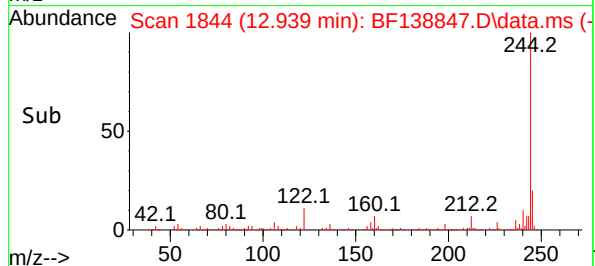
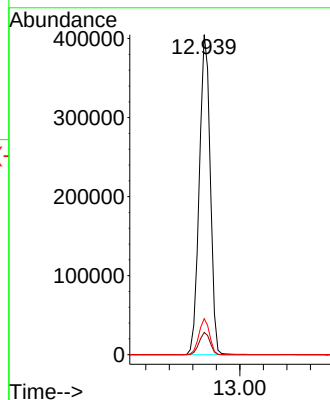
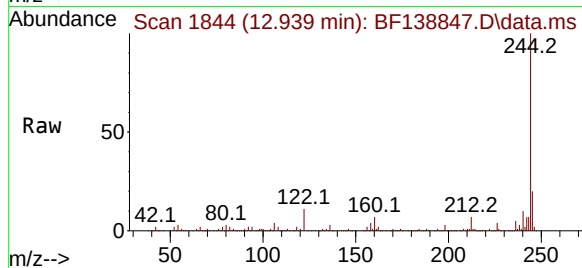
Tgt Ion:244 Resp: 523175

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.3 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138847.D

Acq: 07 Aug 2024 17:36

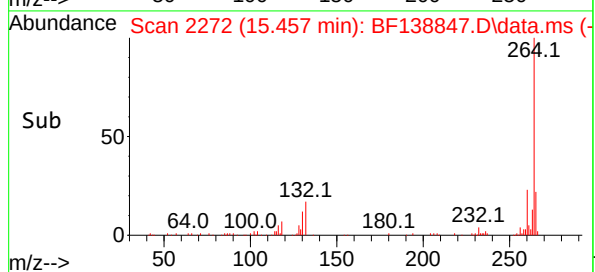
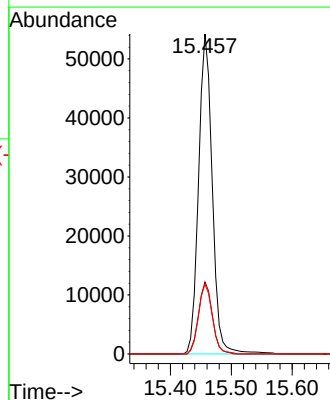
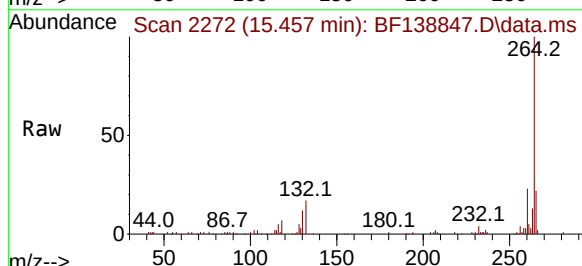
Tgt Ion:264 Resp: 84652

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.6

265 21.8 17.0 25.6



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138848.D	1	08/01/24 08:20	08/07/24 18:06	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.10	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.1	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.1	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.10	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.90	U	0.90	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	5.10	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.10	ug/L
86-73-7	Fluorene	0.97	U	0.97	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.1	ug/L
85-01-8	Phenanthrene	0.90	U	0.90	5.10	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	5.10	ug/L
218-01-9	Chrysene	0.87	U	0.87	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138848.D	1	08/01/24 08:20	08/07/24 18:06	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	5.10	ug/L

SURROGATES

367-12-4	2-Fluorophenol	58.9		15 (10) - 110 (139)	39%	SPK: 150
13127-88-3	Phenol-d6	36.0		15 (10) - 110 (134)	24%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		30 (49) - 130 (133)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.0		30 (52) - 130 (132)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		15 (32) - 110 (145)	91%	SPK: 150
1718-51-0	Terphenyl-d14	91.7		30 (36) - 130 (145)	92%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45600	6.84
1146-65-2	Naphthalene-d8	185000	8.122
15067-26-2	Acenaphthene-d10	102000	9.869
1517-22-2	Phenanthrene-d10	162000	11.357
1719-03-5	Chrysene-d12	78700	13.998
1520-96-3	Perylene-d12	84500	15.457

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_F\Data\BF080724\
Data File : BF138848.D
Acq On : 07 Aug 2024 18:06
Operator : RC/JU
Sample : P3429-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Quant Time: Aug 07 18:42:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45617	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	185150	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	102137	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	162112	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	78712	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	84478	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	174032	58.891	ng	0.00
7) Phenol-d6	6.481	99	142896	36.016	ng	0.00
23) Nitrobenzene-d5	7.404	82	337445	89.107	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	114217	136.519	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	618477	90.982	ng	-0.01
79) Terphenyl-d14	12.939	244	430953	91.667	ng	0.00

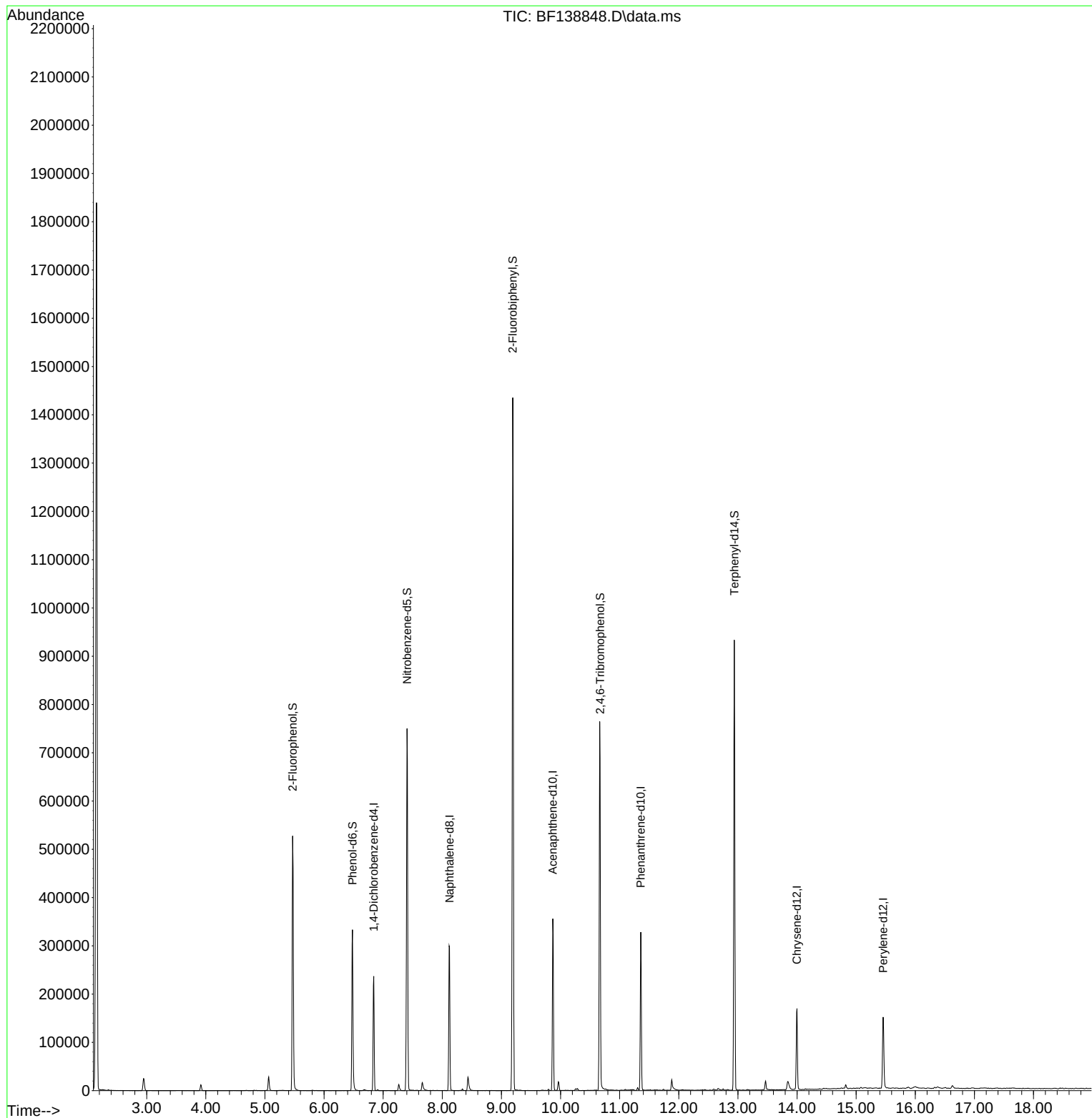
Target Compounds	Qvalue

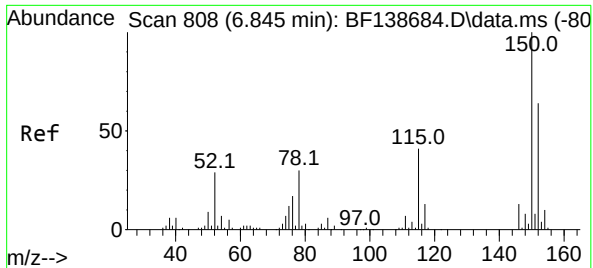
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138848.D
Acq On : 07 Aug 2024 18:06
Operator : RC/JU
Sample : P3429-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

Quant Time: Aug 07 18:42:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

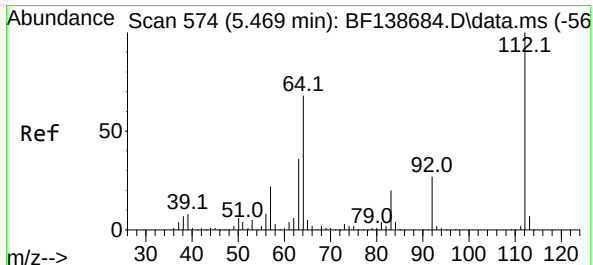
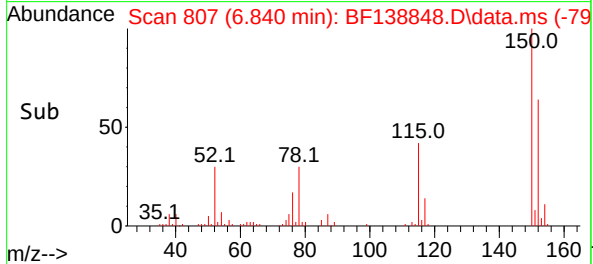
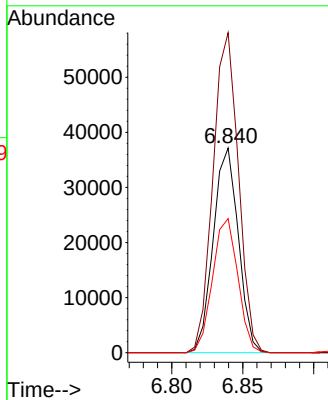
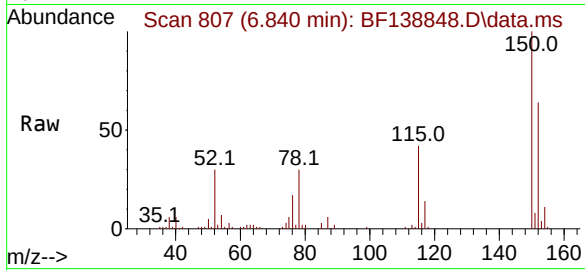




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

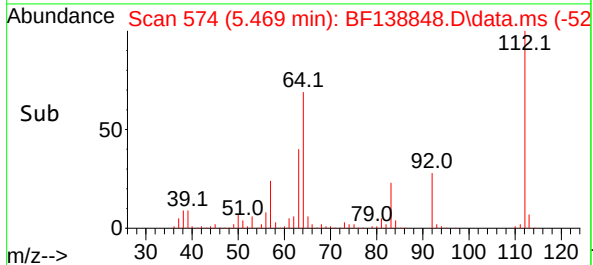
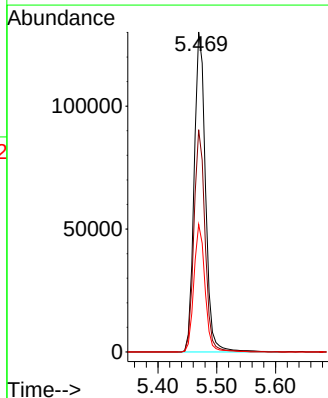
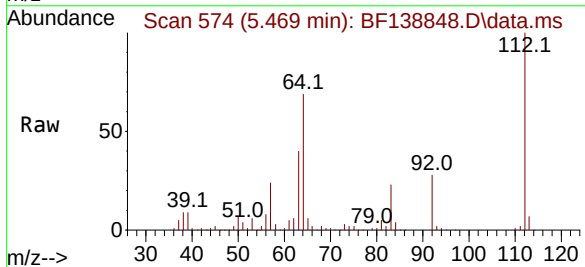
Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

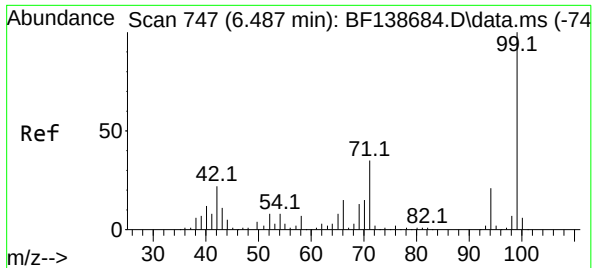
Tgt Ion:152 Resp: 45617
Ion Ratio Lower Upper
152 100
150 156.3 126.0 189.0
115 65.5 51.7 77.5



#5
2-Fluorophenol
Concen: 58.891 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion:112 Resp: 174032
Ion Ratio Lower Upper
112 100
64 69.5 54.2 81.4
63 39.9 28.7 43.1

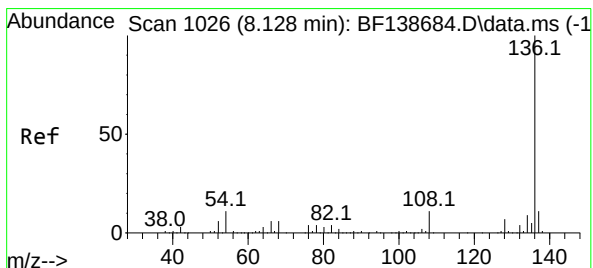
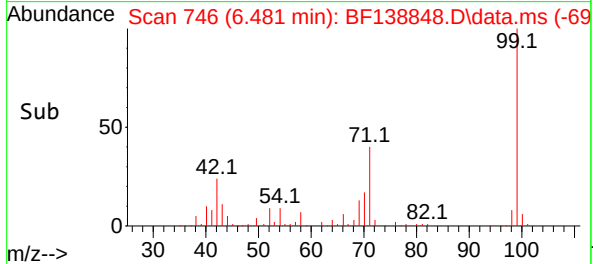
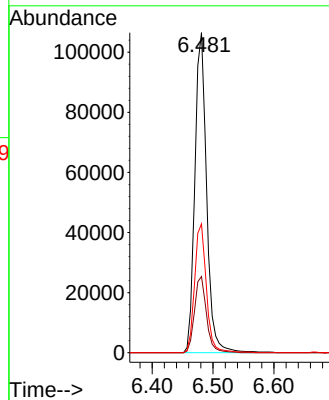
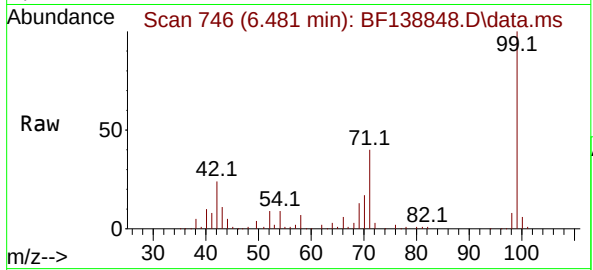




#7
Phenol-d6
Concen: 36.016 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

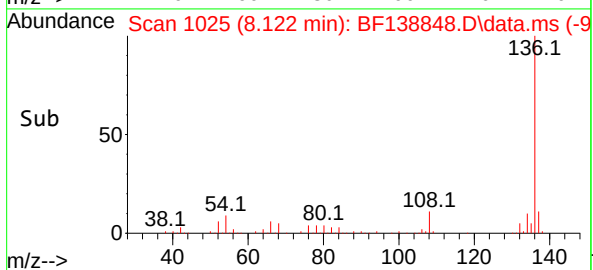
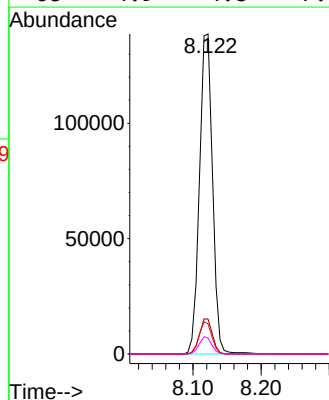
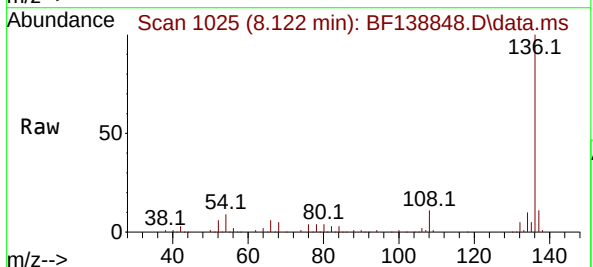
Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

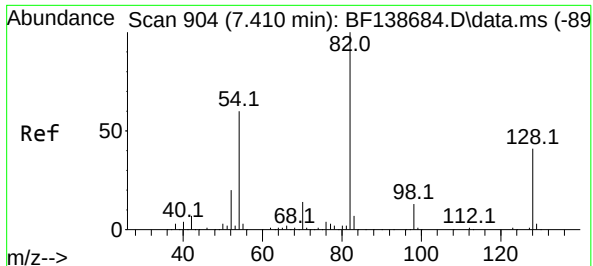
Tgt Ion: 99 Resp: 142896
Ion Ratio Lower Upper
99 100
42 23.8 17.4 26.0
71 40.3 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion: 136 Resp: 185150
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.4 8.6 12.8
68 4.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 89.107 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138848.D

Acq: 07 Aug 2024 18:06

Instrument :

BNA_F

ClientSampleId :

931-K1-WS-073124

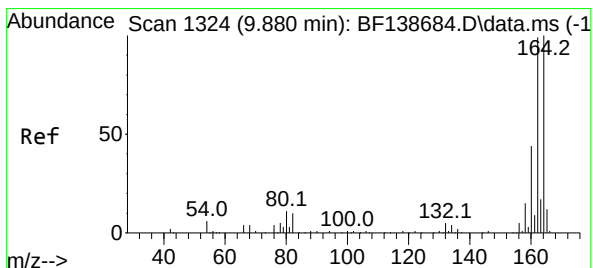
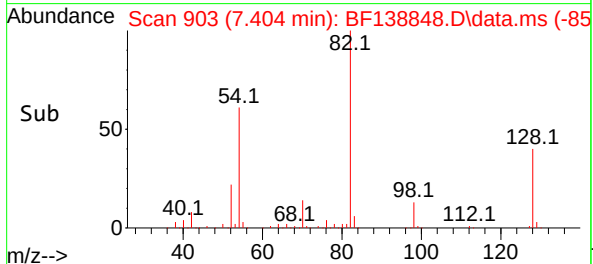
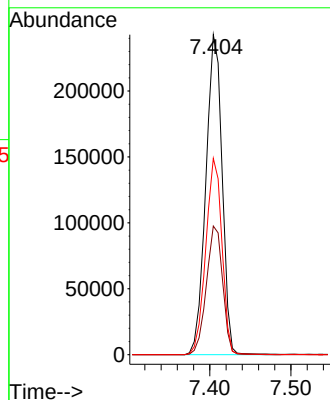
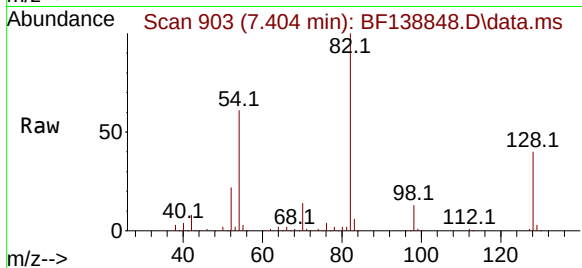
Tgt Ion: 82 Resp: 337445

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

54 61.3 48.3 72.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.011 min

Lab File: BF138848.D

Acq: 07 Aug 2024 18:06

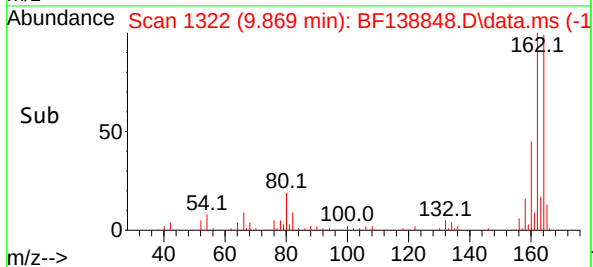
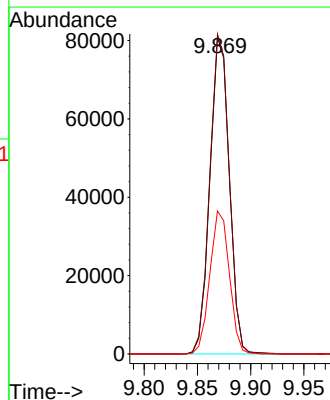
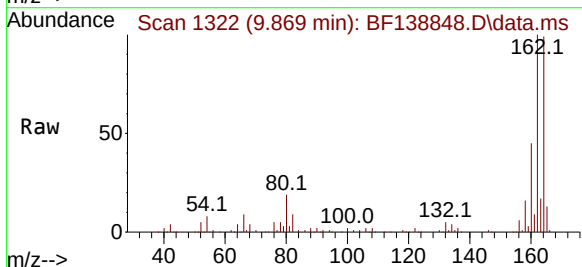
Tgt Ion: 164 Resp: 102137

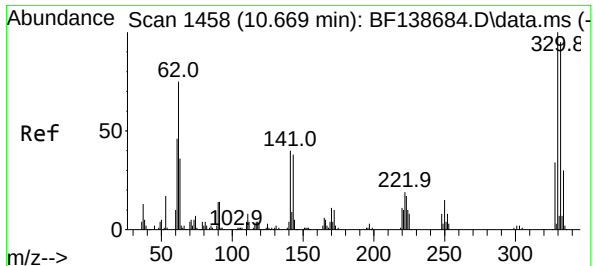
Ion Ratio Lower Upper

164 100

162 101.0 79.4 119.0

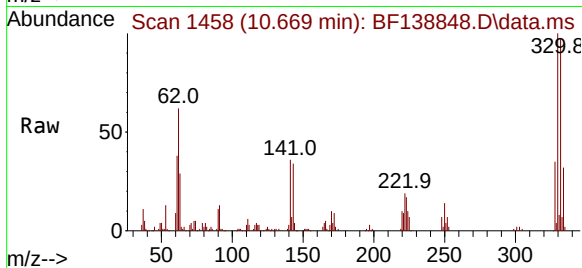
160 45.2 35.1 52.7



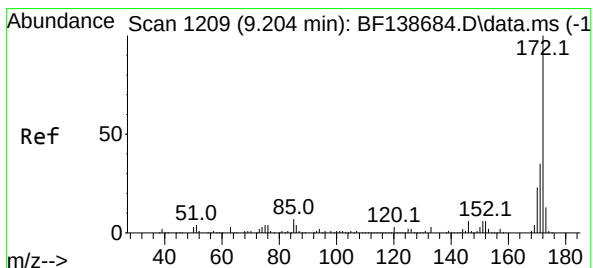
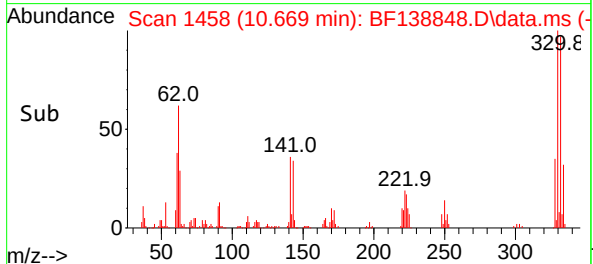
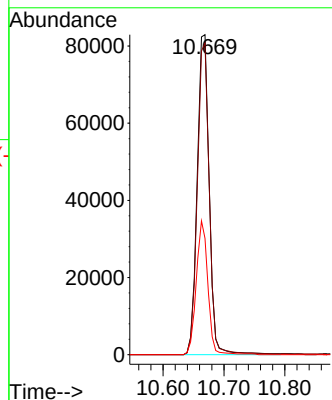


#42
2,4,6-Tribromophenol
Concen: 136.519 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Instrument :
BNA_F
ClientSampleId :
931-K1-WS-073124

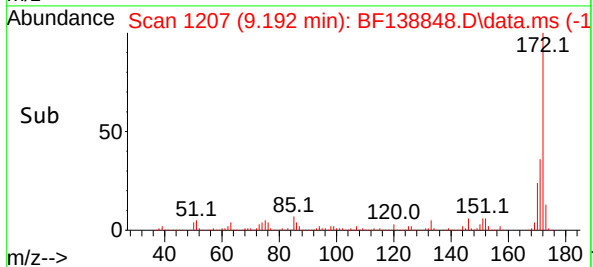
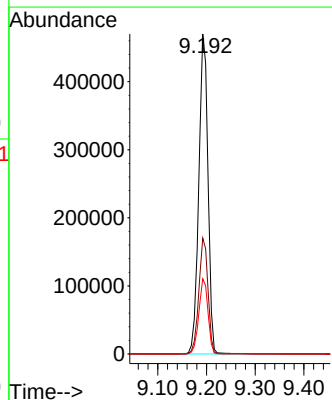
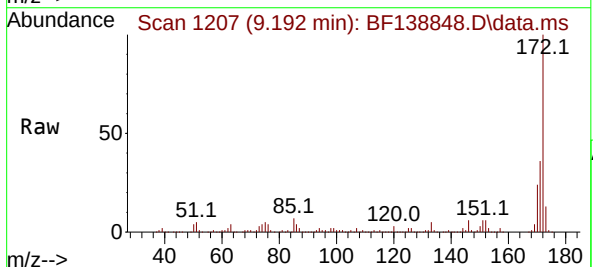


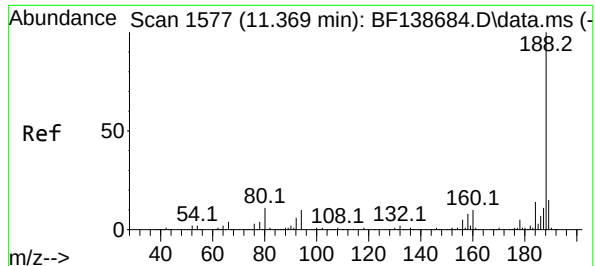
Tgt Ion: 330 Resp: 114217
Ion Ratio Lower Upper
330 100
332 96.5 76.4 114.6
141 40.2 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 90.982 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138848.D
Acq: 07 Aug 2024 18:06

Tgt Ion: 172 Resp: 618477
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138848.D

Acq: 07 Aug 2024 18:06

Instrument :

BNA_F

ClientSampleId :

931-K1-WS-073124

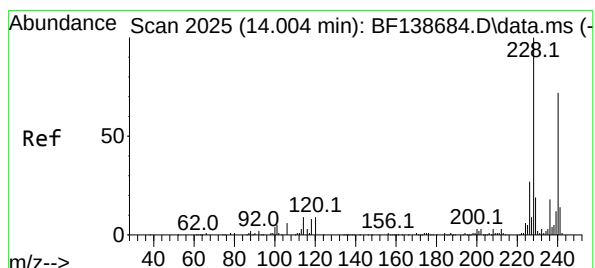
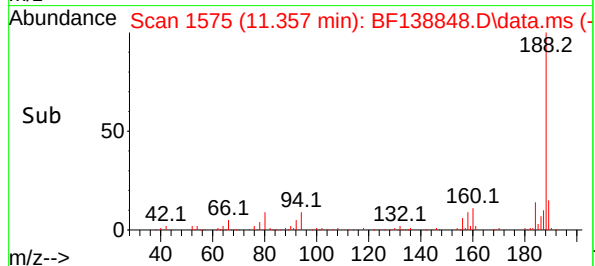
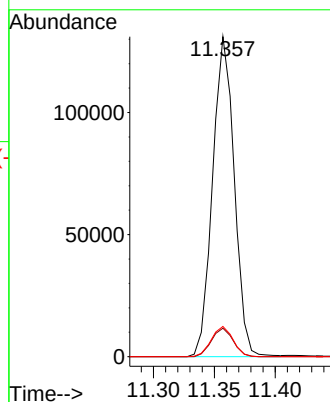
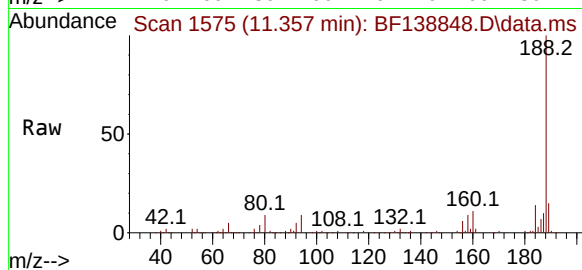
Tgt Ion:188 Resp: 162112

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.4 8.6 12.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF138848.D

Acq: 07 Aug 2024 18:06

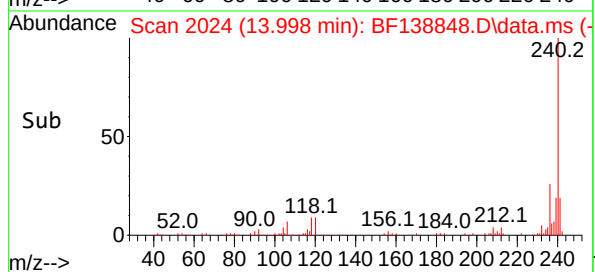
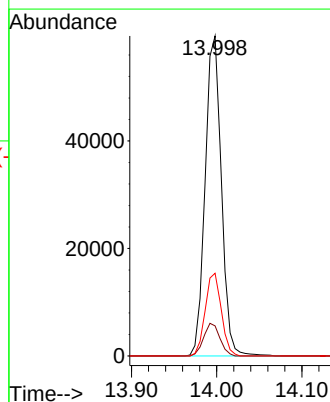
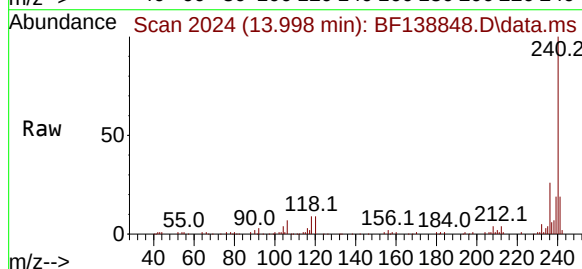
Tgt Ion:240 Resp: 78712

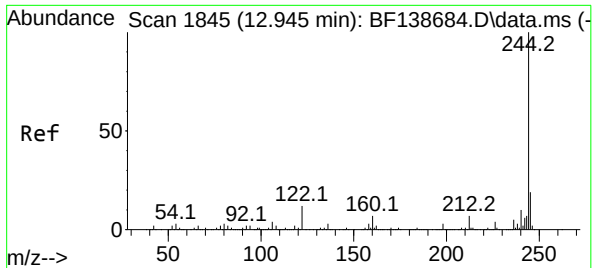
Ion Ratio Lower Upper

240 100

120 9.4 10.2 15.4#

236 25.9 19.8 29.8





#79

Terphenyl-d14

Concen: 91.667 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138848.D

Acq: 07 Aug 2024 18:06

Instrument :

BNA_F

ClientSampleId :

931-K1-WS-073124

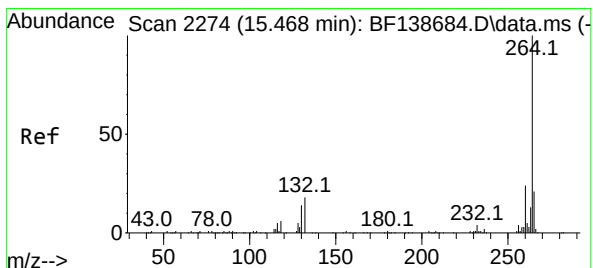
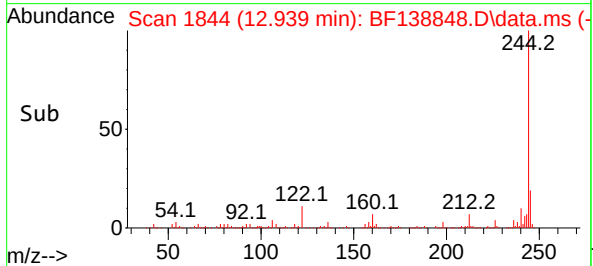
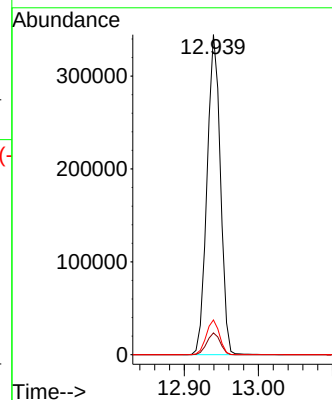
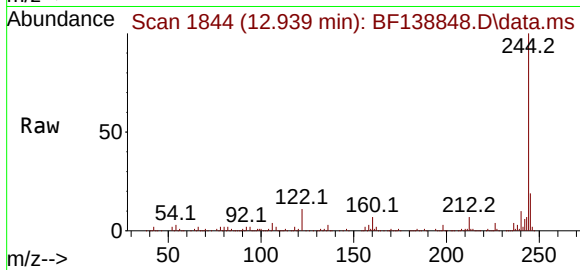
Tgt Ion:244 Resp: 430953

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.9 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138848.D

Acq: 07 Aug 2024 18:06

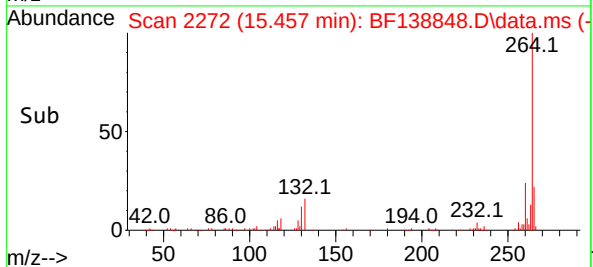
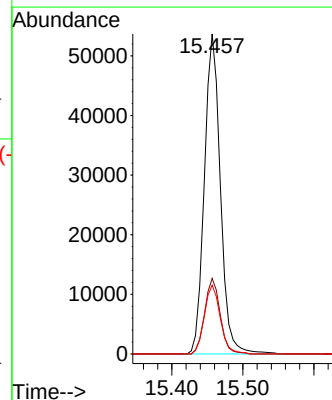
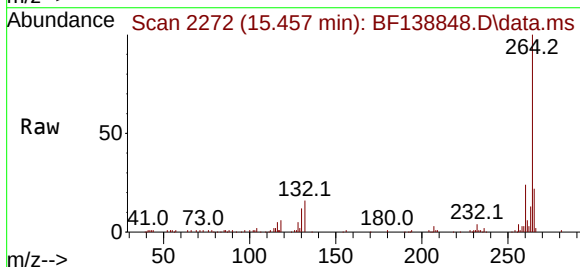
Tgt Ion:264 Resp: 84478

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.5 17.0 25.6



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138849.D	1	08/01/24 08:20	08/07/24 18:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.20	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138849.D	1	08/01/24 08:20	08/07/24 18:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	0.90	U	0.90	5.20	ug/L

SURROGATES

367-12-4	2-Fluorophenol	64.5		15 (10) - 110 (139)	43%	SPK: 150
13127-88-3	Phenol-d6	38.1		15 (10) - 110 (134)	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		30 (52) - 130 (132)	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (32) - 110 (145)	108%	SPK: 150
1718-51-0	Terphenyl-d14	111		30 (36) - 130 (145)	111%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	41200	6.84
1146-65-2	Naphthalene-d8	167000	8.122
15067-26-2	Acenaphthene-d10	91000	9.869
1517-22-2	Phenanthrene-d10	146000	11.357
1719-03-5	Chrysene-d12	69900	13.992
1520-96-3	Perylene-d12	75500	15.457

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_F\Data\BF080724\
Data File : BF138849.D
Acq On : 07 Aug 2024 18:36
Operator : RC/JU
Sample : P3429-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

Quant Time: Aug 08 01:20:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	41178	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	167219	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	91023	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	146465	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	69873	20.000	ng	-0.01
86) Perylene-d12	15.457	264	75535	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	171951	64.460	ng	0.00
7) Phenol-d6	6.481	99	136623	38.147	ng	0.00
23) Nitrobenzene-d5	7.404	82	341042	99.714	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	120735	161.930	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	634292	104.701	ng	-0.01
79) Terphenyl-d14	12.939	244	463000	110.942	ng	0.00

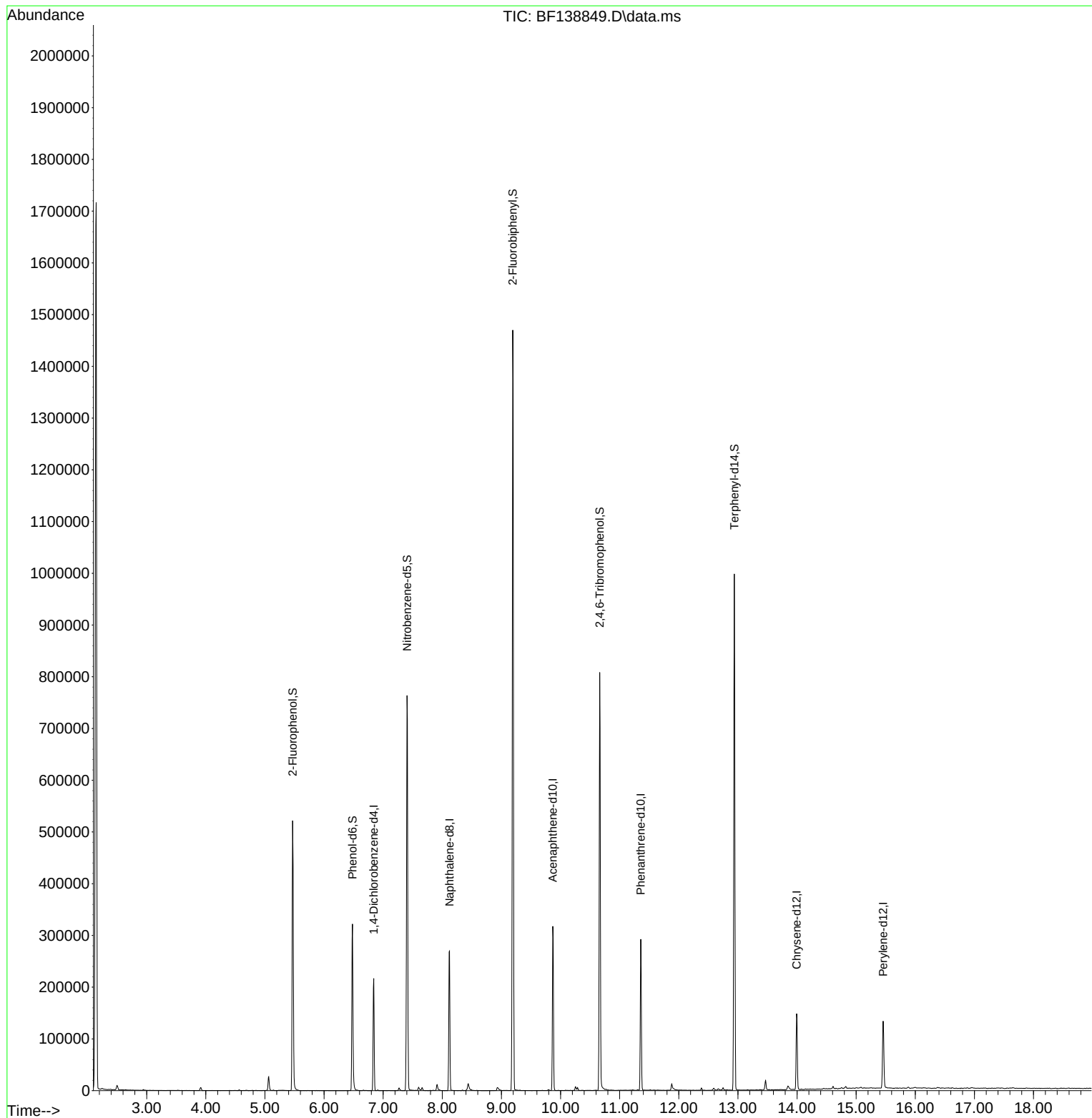
Target Compounds	Qvalue

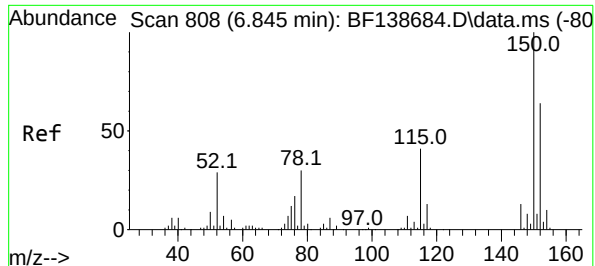
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138849.D
Acq On : 07 Aug 2024 18:36
Operator : RC/JU
Sample : P3429-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

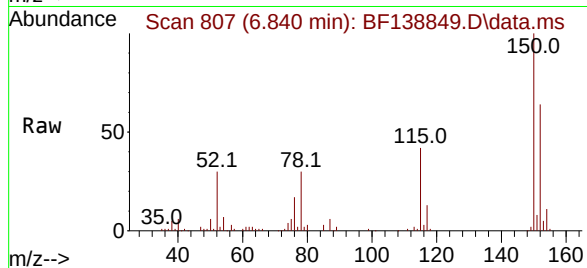
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



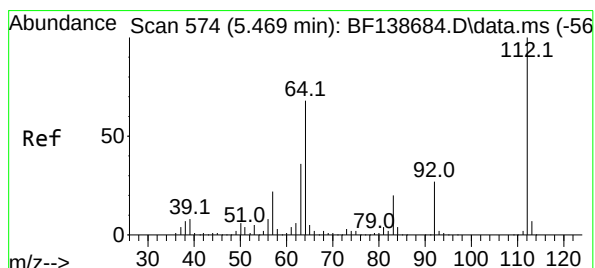
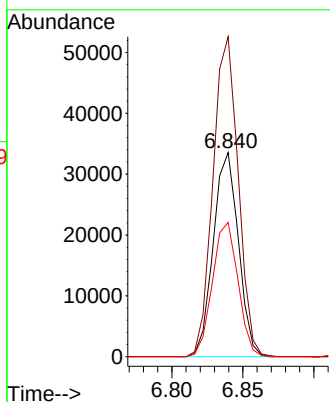
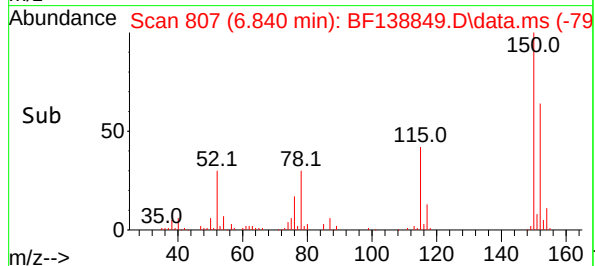


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

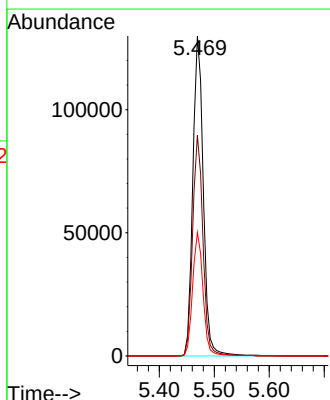
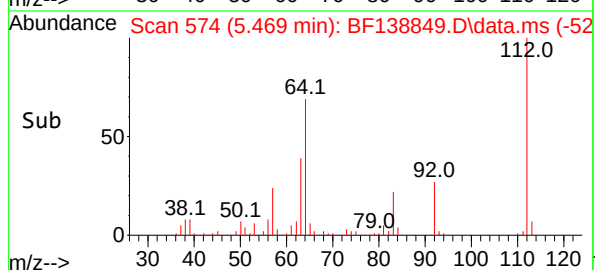
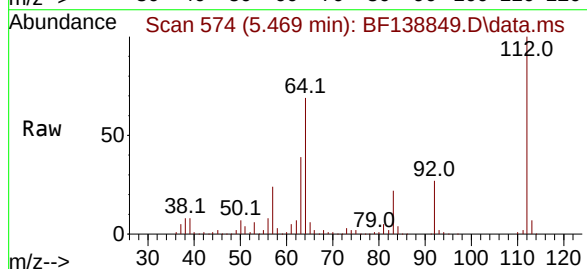


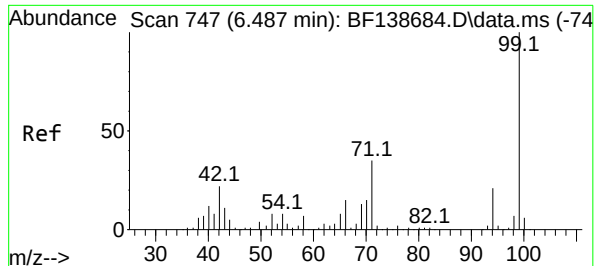
Tgt Ion:152 Resp: 41178
Ion Ratio Lower Upper
152 100
150 156.7 126.0 189.0
115 65.7 51.7 77.5



#5
2-Fluorophenol
Concen: 64.460 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:112 Resp: 171951
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.4
63 38.7 28.7 43.1

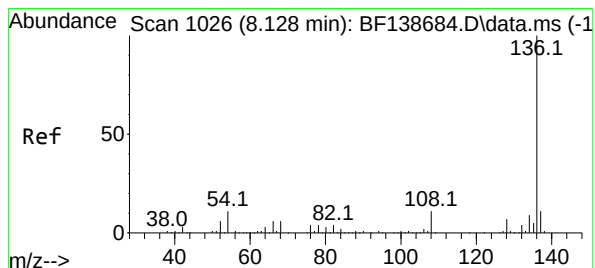
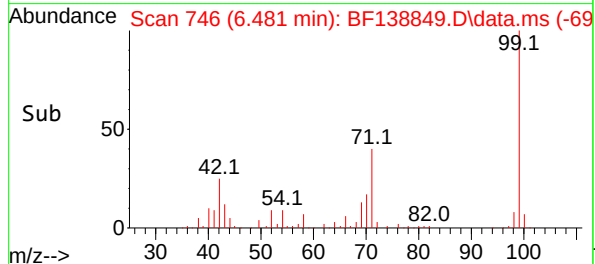
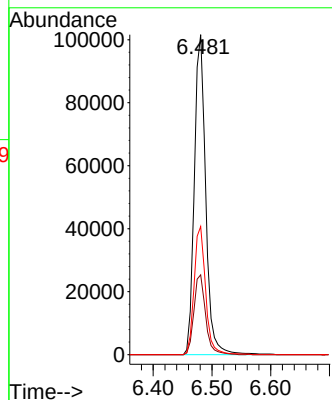
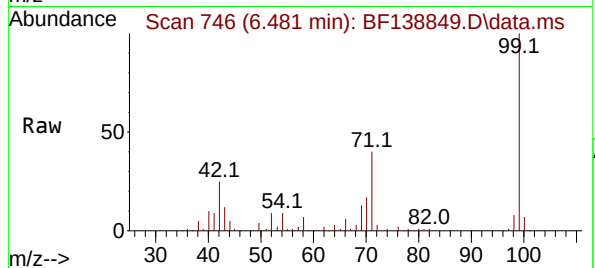




#7
Phenol-d6
Concen: 38.147 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

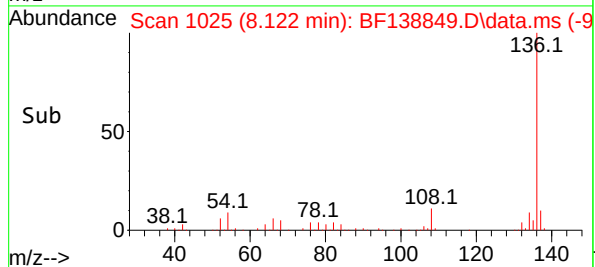
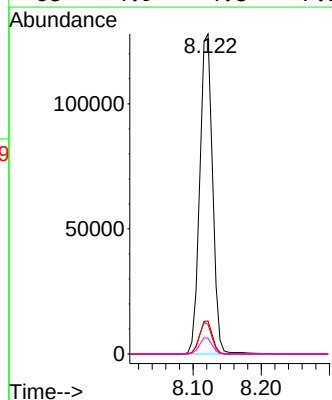
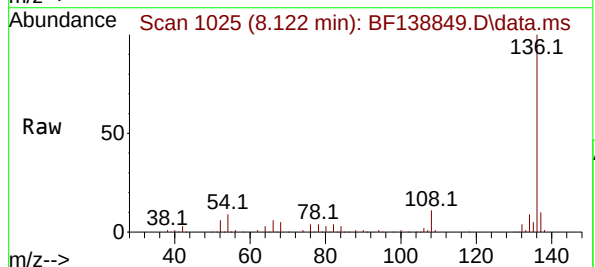
Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

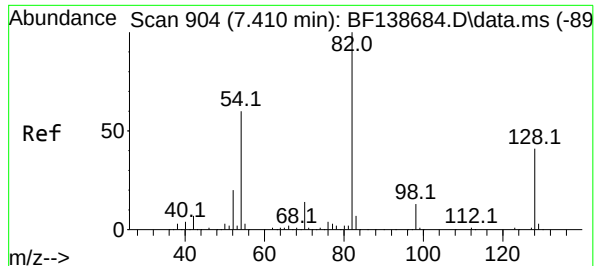
Tgt Ion: 99 Resp: 136623
Ion Ratio Lower Upper
99 100
42 25.0 17.4 26.0
71 40.0 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion: 136 Resp: 167219
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.3 8.6 12.8
68 4.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 99.714 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138849.D

Acq: 07 Aug 2024 18:36

Instrument :

BNA_F

ClientSampleId :

925-K1-WS-073124

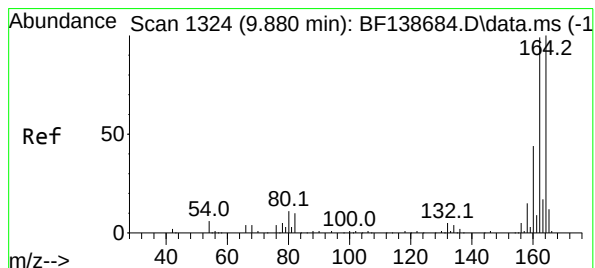
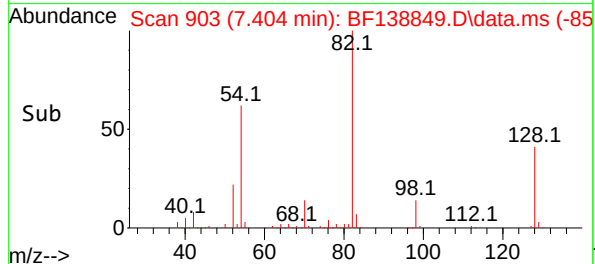
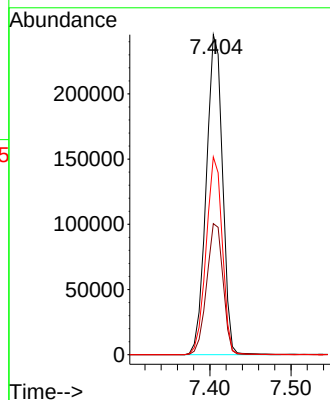
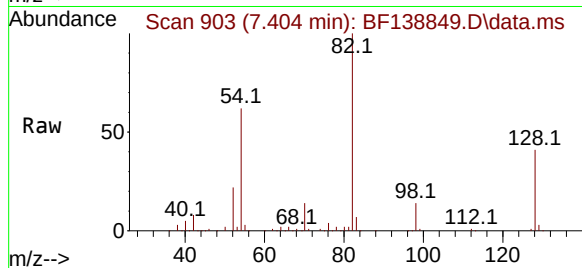
Tgt Ion: 82 Resp: 341042

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

54 61.8 48.3 72.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.011 min

Lab File: BF138849.D

Acq: 07 Aug 2024 18:36

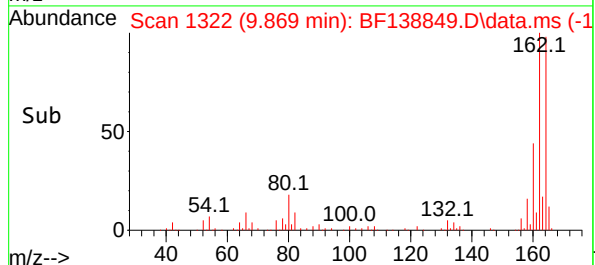
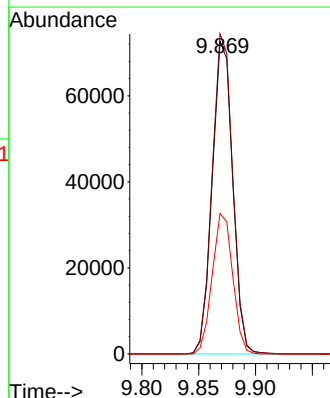
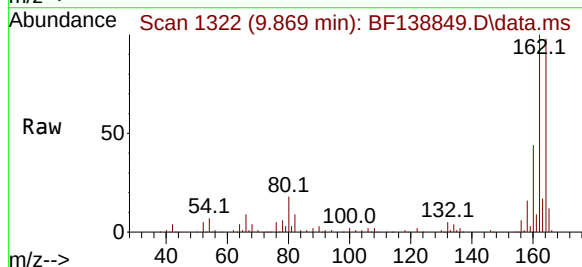
Tgt Ion:164 Resp: 91023

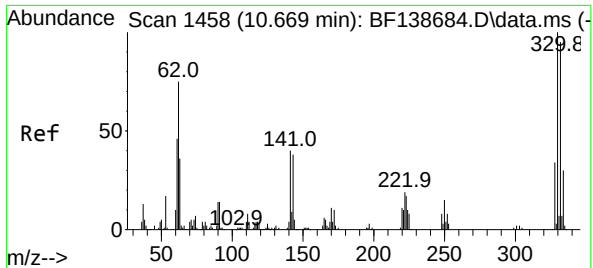
Ion Ratio Lower Upper

164 100

162 102.3 79.4 119.0

160 44.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 161.930 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138849.D

Acq: 07 Aug 2024 18:36

Instrument :

BNA_F

ClientSampleId :

925-K1-WS-073124

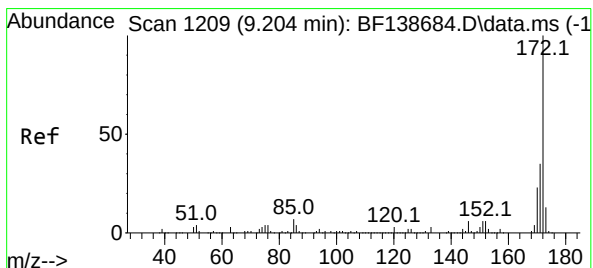
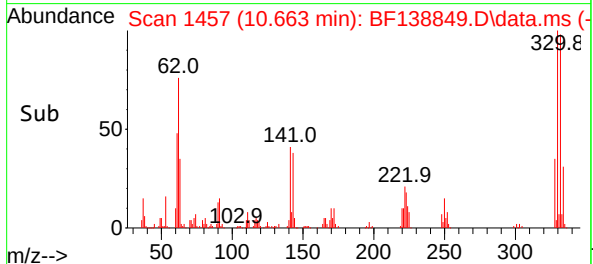
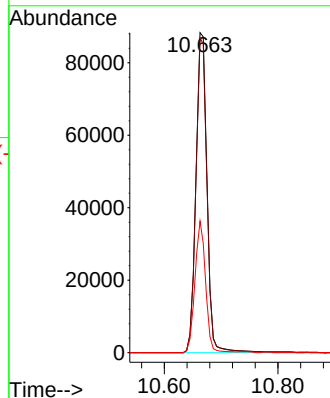
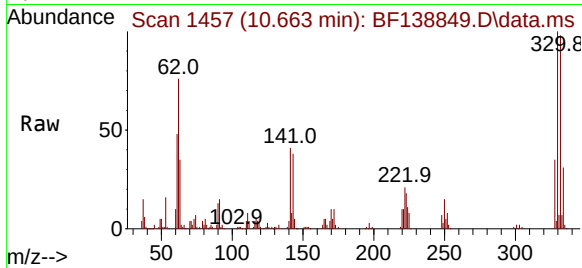
Tgt Ion:330 Resp: 120735

Ion Ratio Lower Upper

330 100

332 98.2 76.4 114.6

141 39.4 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 104.701 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138849.D

Acq: 07 Aug 2024 18:36

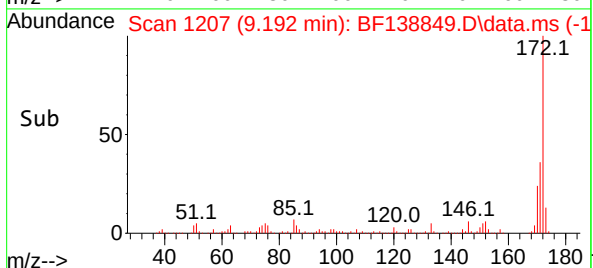
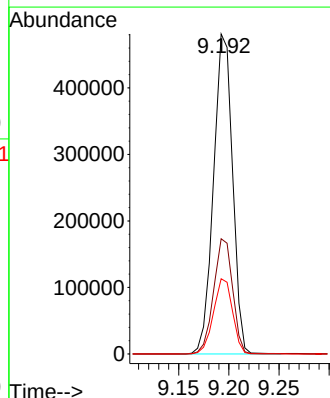
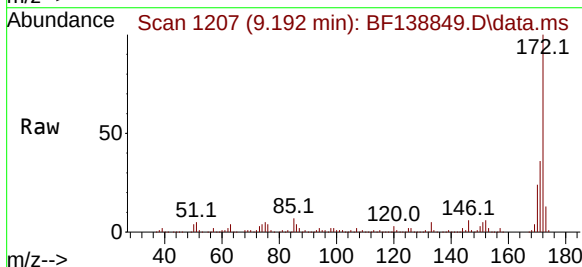
Tgt Ion:172 Resp: 634292

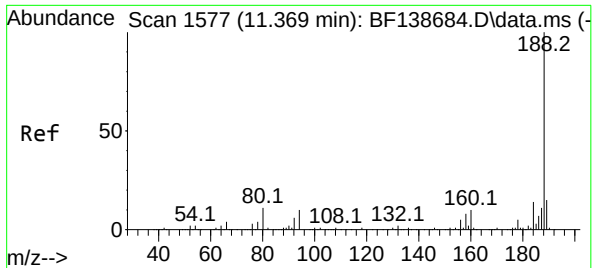
Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.5 18.8 28.2

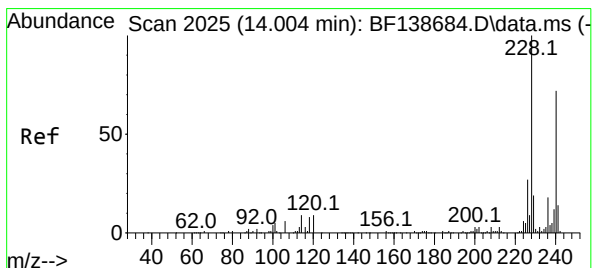
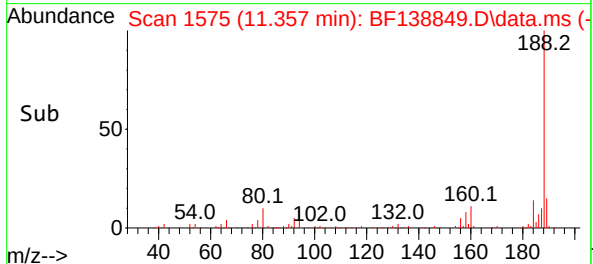
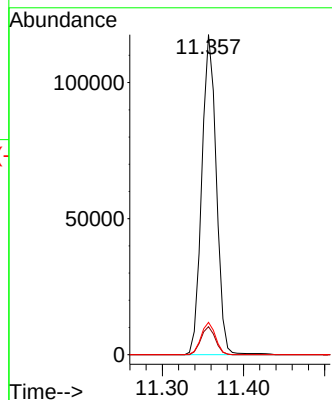
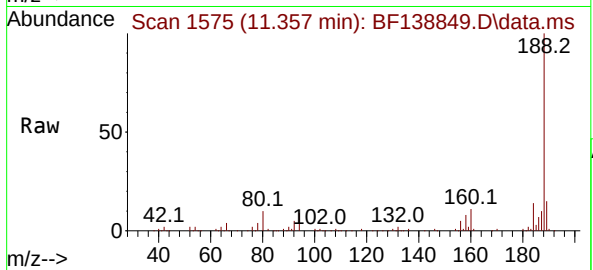




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

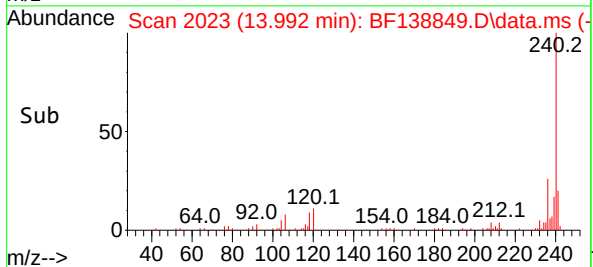
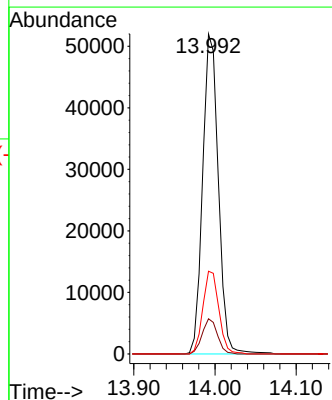
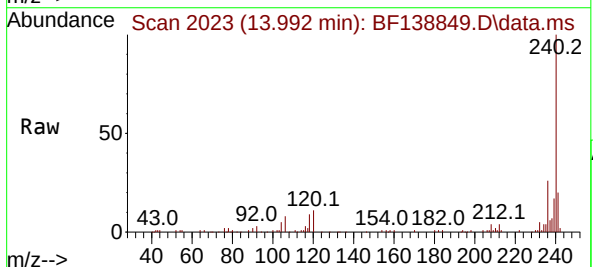
Instrument :
BNA_F
ClientSampleId :
925-K1-WS-073124

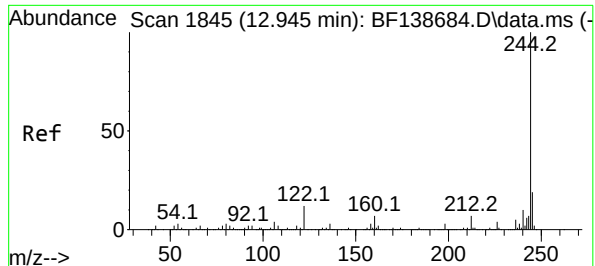
Tgt Ion:188 Resp: 146465
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 10.1 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF138849.D
Acq: 07 Aug 2024 18:36

Tgt Ion:240 Resp: 69873
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.4
236 25.8 19.8 29.8





#79

Terphenyl-d14

Concen: 110.942 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138849.D

Acq: 07 Aug 2024 18:36

Instrument :

BNA_F

ClientSampleId :

925-K1-WS-073124

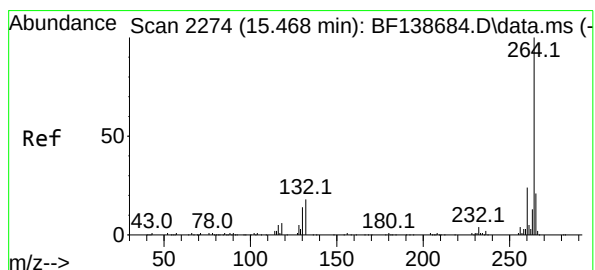
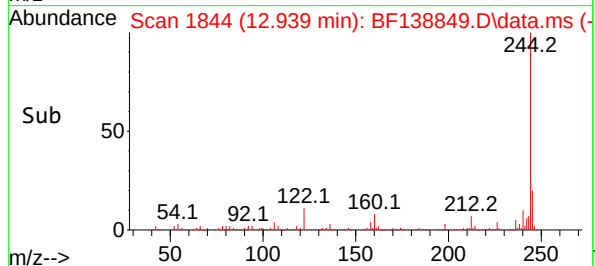
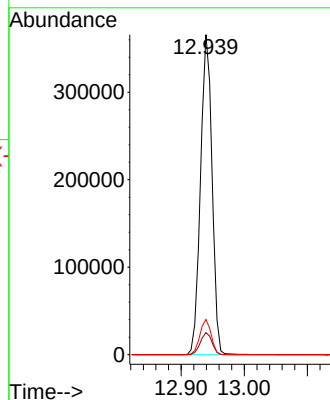
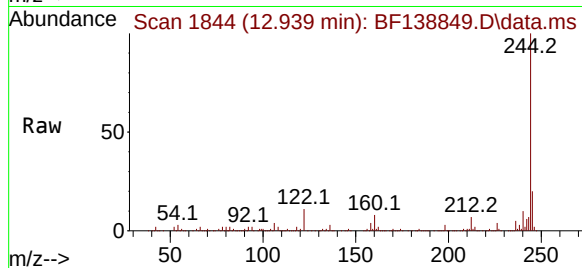
Tgt Ion:244 Resp: 463000

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.0 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138849.D

Acq: 07 Aug 2024 18:36

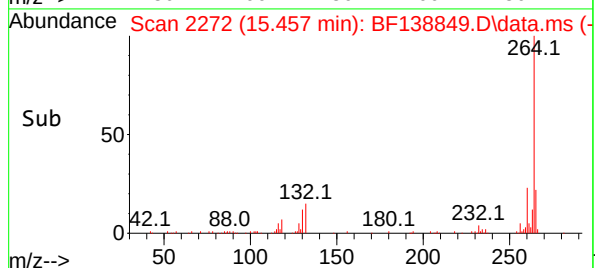
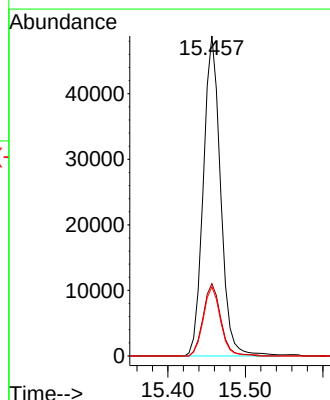
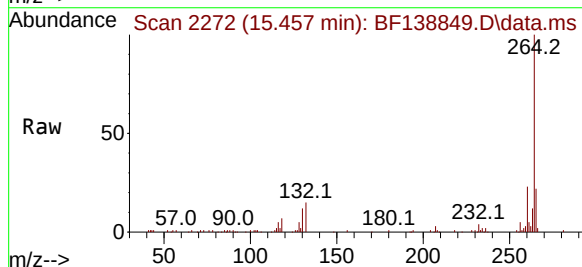
Tgt Ion:264 Resp: 75535

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 21.6 17.0 25.6





CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF073024.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 30 17:50:01 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF138680.D 5 =BF138681.D 10 =BF138682.D 20 =BF138683.D 40 =BF138684.D 50 =BF138685.D 60 =BF138686.D 80 =BF138687.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.597	0.555	0.581	0.576	0.557	0.563	0.544	0.567	3.20	
3)	Pyridine	1.373	1.365	1.453	1.381	1.380	1.358	1.308	1.374	3.13	
4)	n-Nitrosodimet...	0.813	0.817	0.829	0.814	0.804	0.849	0.803	0.818	1.94	
5) S	2-Fluorophenol	1.404	1.367	1.341	1.274	1.244	1.256	1.183	1.296	6.00	
6)	Aniline	1.656	1.626	1.704	1.532	1.487	1.480	1.375	1.551	7.47	
7) S	Phenol-d6	1.938	1.816	1.828	1.681	1.654	1.684	1.575	1.740	7.19	
8)	2-Chlorophenol	1.471	1.418	1.443	1.325	1.308	1.325	1.252	1.363	5.94	
9)	Benzaldehyde	1.230	1.119	1.099	0.904	0.862			1.043	14.84	
10) C	Phenol	2.012	1.946	1.913	1.775	1.739	1.771	1.664	1.832	6.89	
11)	bis(2-Chloroet...	1.494	1.476	1.434	1.363	1.348	1.416	1.335	1.409	4.46	
12)	1,3-Dichlorobe...	1.687	1.609	1.608	1.475	1.445	1.468	1.389	1.526	7.12	
13) C	1,4-Dichlorobe...	1.689	1.615	1.620	1.496	1.482	1.470	1.407	1.540	6.61	
14)	1,2-Dichlorobe...	1.621	1.511	1.532	1.408	1.358	1.361	1.284	1.439	8.25	
15)	Benzyl Alcohol	1.326	1.287	1.334	1.218	1.213	1.246	1.151	1.254	5.27	
16)	2,2'-oxybis(1-...	2.695	2.576	2.592	2.350	2.311	2.317	2.138	2.426	8.17	
17)	2-Methylphenol	1.192	1.154	1.183	1.103	1.072	1.130	1.045	1.126	4.91	
18)	Hexachloroethane	0.619	0.614	0.598	0.568	0.554	0.564	0.540	0.580	5.31	
19) P	n-Nitroso-di-n...	1.109	1.130	1.087	1.123	0.992	0.970	1.025	0.970	1.051	6.56
20)	3+4-Methylphenols	1.661	1.554	1.558	1.367	1.328	1.365	1.277	1.444	10.02	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.538	0.510	0.508	0.482	0.457	0.475	0.458	0.490	6.14	
23) S	Nitrobenzene-d5	0.426	0.416	0.424	0.407	0.393	0.405	0.392	0.409	3.33	
24)	Nitrobenzene	0.431	0.423	0.433	0.417	0.400	0.409	0.401	0.416	3.31	
25)	Isophorone	0.735	0.710	0.735	0.681	0.655	0.697	0.677	0.699	4.31	
26) C	2-Nitrophenol	0.169	0.176	0.188	0.184	0.175	0.184	0.179	0.179	3.75	
27)	2,4-Dimethylph...	0.219	0.217	0.221	0.214	0.207	0.215	0.207	0.214	2.55	
28)	bis(2-Chloroet...	0.448	0.433	0.449	0.418	0.402	0.416	0.410	0.425	4.31	
29) C	2,4-Dichloroph...	0.279	0.276	0.293	0.276	0.264	0.276	0.264	0.275	3.55	
30)	1,2,4-Trichlor...	0.344	0.324	0.329	0.316	0.304	0.308	0.299	0.318	4.96	
31)	Naphthalene	1.124	1.102	1.110	1.044	1.000	1.014	0.976	1.053	5.63	
32)	Benzoic acid		0.136	0.158	0.166	0.166	0.190	0.194	0.168	12.72	
33)	4-Chloroaniline	0.354	0.363	0.369	0.346	0.337	0.358	0.348	0.353	3.09	
34) C	Hexachlorobuta...	0.205	0.197	0.200	0.190	0.187	0.187	0.181	0.192	4.39	
35)	Caprolactam	0.078	0.084	0.088	0.078	0.076	0.087	0.085	0.082	5.59	
36) C	4-Chloro-3-met...	0.326	0.319	0.343	0.307	0.290	0.314	0.303	0.315	5.37	
37)	2-Methylnaphth...	0.723	0.699	0.709	0.649	0.619	0.640	0.615	0.665	6.71	
38)	1-Methylnaphth...	0.713	0.685	0.692	0.636	0.606	0.631	0.597	0.652	6.95	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF073024.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.606	0.560	0.581	0.550	0.542	0.534	0.515	0.556	5.48	
41) P	Hexachlorocycl...		0.064	0.101	0.127	0.138	0.146	0.147	0.120	27.08	
42) S	2,4,6-Tribromo...	0.168	0.164	0.176	0.159	0.156	0.166	0.158	0.164	4.19	
43) C	2,4,6-Trichlor...	0.338	0.338	0.353	0.336	0.330	0.341	0.334	0.339	2.10	
44)	2,4,5-Trichlor...	0.368	0.379	0.387	0.368	0.361	0.368	0.360	0.370	2.63	
45) S	2-Fluorobiphenyl	1.512	1.424	1.402	1.306	1.260	1.242	1.172	1.331	8.95	
46)	1,1'-Biphenyl	1.714	1.635	1.630	1.539	1.507	1.497	1.442	1.566	6.12	
47)	2-Chloronaphth...	1.263	1.206	1.213	1.151	1.119	1.114	1.089	1.165	5.46	
48)	2-Nitroaniline	0.394	0.403	0.414	0.389	0.380	0.395	0.390	0.395	2.74	
49)	Acenaphthylene	1.796	1.744	1.743	1.637	1.573	1.587	1.486	1.652	6.79	
50)	Dimethylphthalate	1.336	1.297	1.367	1.229	1.208	1.278	1.237	1.279	4.57	
51)	2,6-Dinitrotol...	0.286	0.288	0.304	0.288	0.277	0.300	0.277	0.289	3.57	
52) C	Acenaphthene	1.217	1.173	1.169	1.082	1.049	1.069	1.016	1.111	6.77	
53)	3-Nitroaniline	0.308	0.300	0.317	0.288	0.286	0.303	0.286	0.298	4.09	
54) P	2,4-Dinitrophenol		0.097	0.142	0.127	0.131	0.152	0.148	0.133	14.84	
55)	Dibenzofuran	1.729	1.680	1.666	1.515	1.484	1.488	1.412	1.568	7.75	
56) P	4-Nitrophenol		0.156	0.186	0.175	0.176	0.197	0.187	0.179	7.86	
57)	2,4-Dinitrotol...	0.377	0.376	0.402	0.362	0.342	0.371	0.348	0.368	5.41	
58)	Fluorene	1.374	1.326	1.351	1.206	1.166	1.189	1.127	1.249	7.97	
59)	2,3,4,6-Tetrac...	0.270	0.279	0.297	0.274	0.280	0.300	0.282	0.283	3.99	
60)	Diethylphthalate	1.268	1.259	1.321	1.155	1.113	1.216	1.156	1.213	6.16	
61)	4-Chlorophenyl...	0.662	0.664	0.662	0.589	0.580	0.591	0.551	0.614	7.67	
62)	4-Nitroaniline	0.284	0.292	0.313	0.272	0.265	0.292	0.267	0.284	6.04	
63)	Azobenzene	1.427	1.391	1.450	1.300	1.259	1.329	1.258	1.345	5.85	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.107	0.123	0.125	0.123	0.128	0.127	0.122	6.44	
66) c	n-Nitrosodiphe...	0.642	0.645	0.645	0.631	0.606	0.612	0.594	0.625	3.34	
67)	4-Bromophenyl-...	0.227	0.219	0.226	0.217	0.211	0.206	0.209	0.217	3.80	
68)	Hexachlorobenzene	0.231	0.231	0.234	0.220	0.214	0.219	0.216	0.224	3.73	
69)	Atrazine	0.171	0.172	0.176	0.162	0.153	0.153	0.141	0.161	7.84	
70) C	Pentachlorophenol		0.077	0.097	0.102	0.104	0.113	0.111	0.101	12.93	
71)	Phenanthrene	1.112	1.109	1.087	1.021	0.970	0.965	0.944	1.030	7.04	
72)	Anthracene	1.082	1.077	1.078	1.003	0.965	0.967	0.930	1.015	6.31	
73)	Carbazole	0.970	0.938	0.940	0.870	0.810	0.825	0.774	0.875	8.62	
74)	Di-n-butylphth...	0.991	0.990	1.040	0.991	0.944	0.992	0.941	0.984	3.41	
75) C	Fluoranthene	1.068	1.045	1.039	0.965	0.899	0.886	0.827	0.961	9.67	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.491	0.482	0.484	0.535	0.470	0.408		0.478	8.58	
78)	Pyrene	1.978	1.958	2.140	1.750	1.694	1.929	1.733	1.883	8.64	
79) S	Terphenyl-d14	1.264	1.265	1.362	1.106	1.072	1.210	1.083	1.195	9.25	
80)	Butylbenzylphth...	0.577	0.571	0.605	0.628	0.622	0.620	0.598	0.603	3.71	
81)	Benzo(a)anthra...	1.401	1.438	1.410	1.395	1.351	1.351	1.295	1.377	3.49	
82)	3,3'-Dichlorob...	0.388	0.364	0.377	0.360	0.346	0.319	0.314	0.352	8.00	
83)	Chrysene	1.342	1.228	1.260	1.222	1.203	1.229	1.213	1.243	3.82	
84)	Bis(2-ethylhex...	0.876	0.838	0.861	0.948	0.945	0.847	0.866	0.883	5.12	
85) c	Di-n-octyl pht...	1.637	1.524	1.614	1.744	1.742	1.570	1.605	1.634	5.06	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF073024.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.469	1.464	1.517	1.395	1.406	1.405	1.377	1.433	3.54
88)	Benzo(b)fluora...	1.287	1.361	1.287	1.229	1.181	1.135	1.200	1.240	6.19
89)	Benzo(k)fluora...	1.202	1.043	1.098	1.002	1.060	1.117	0.992	1.073	6.79
90) C	Benzo(a)pyrene	1.084	1.047	1.071	1.023	1.026	1.035	1.014	1.043	2.50
91)	Dibenzo(a,h)an...	1.226	1.231	1.253	1.134	1.140	1.147	1.106	1.177	4.94
92)	Benzo(g,h,i)pe...	1.261	1.234	1.289	1.199	1.196	1.198	1.169	1.221	3.46

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138680.D
Acq On : 30 Jul 2024 12:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 30 17:41:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

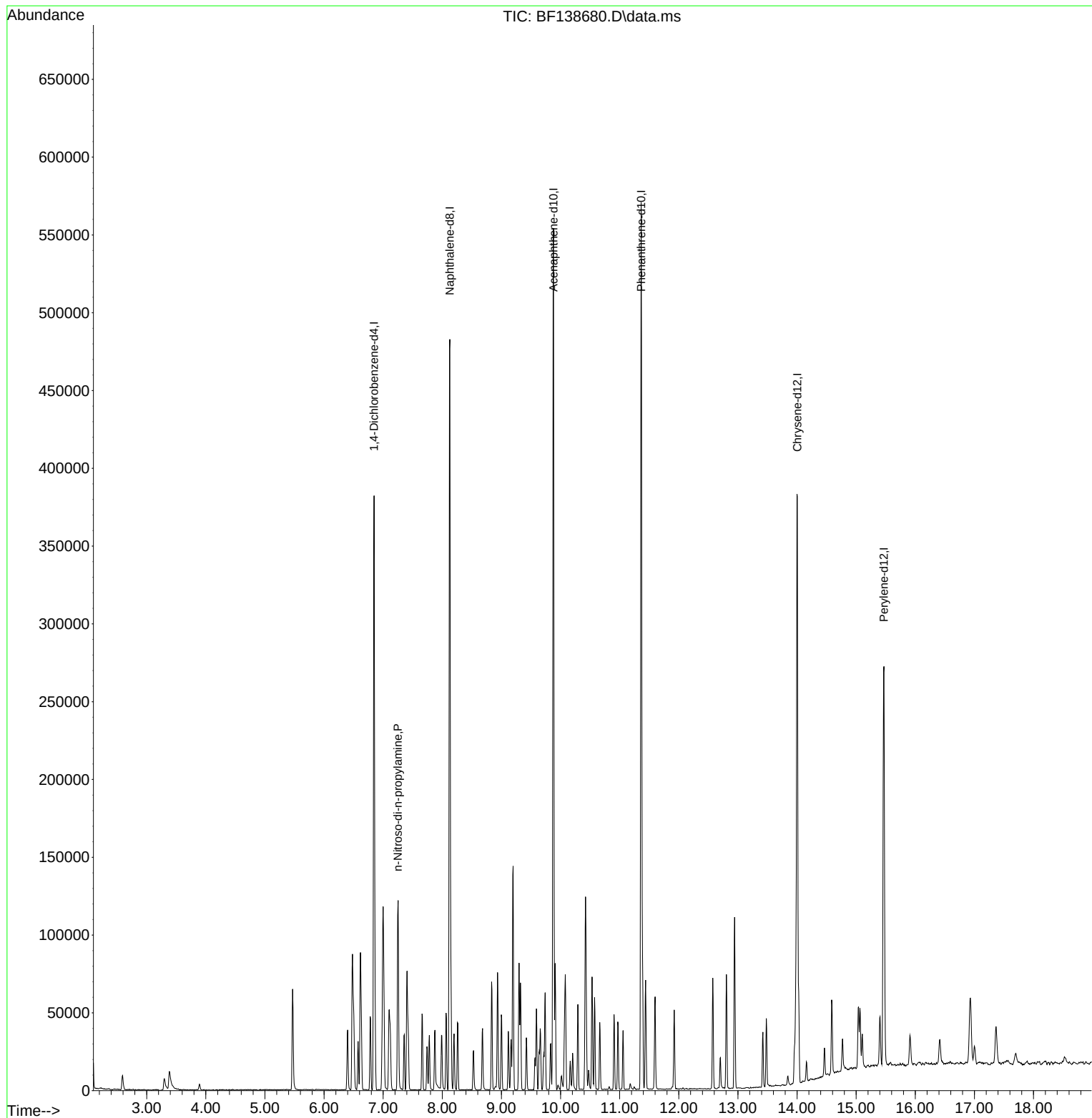
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	73346	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293951	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	161886	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	284722	20.000	ng	0.00
76) Chrysene-d12	14.004	240	165574	20.000	ng	0.00
86) Perylene-d12	15.468	264	141601	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...	7.245	70	10170	2.640	ng	97

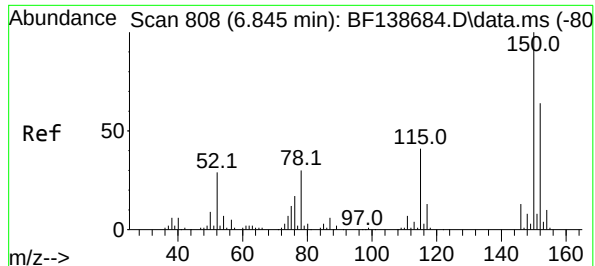
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138680.D
Acq On : 30 Jul 2024 12:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 30 17:41:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.846 min Scan# 80

Delta R.T. 0.001 min

Lab File: BF138680.D

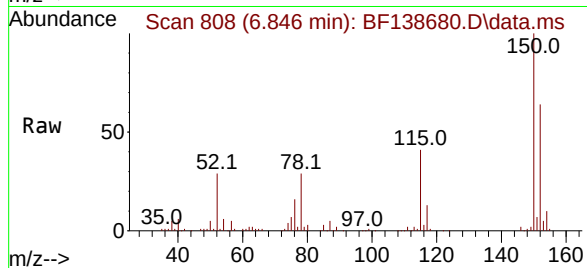
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



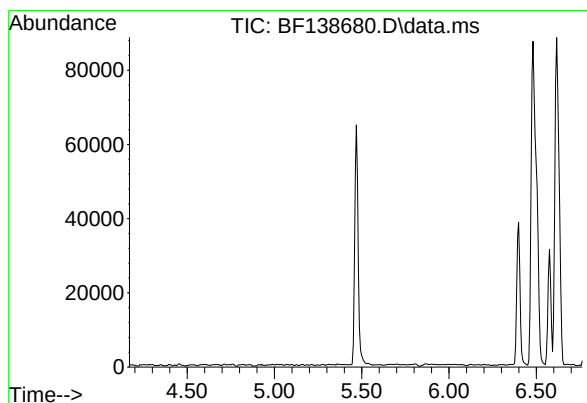
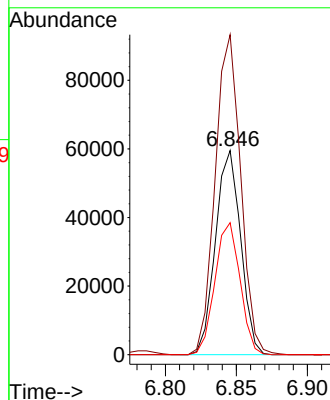
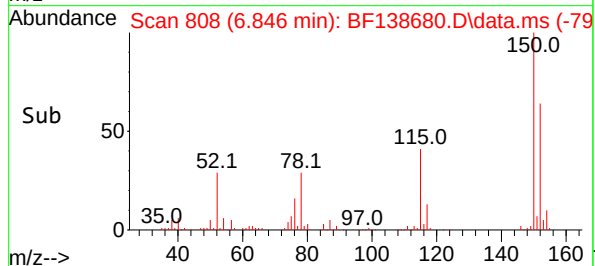
Tgt Ion:152 Resp: 73346

Ion Ratio Lower Upper

152 100

150 156.7 126.0 189.0

115 64.6 51.7 77.5



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.47 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

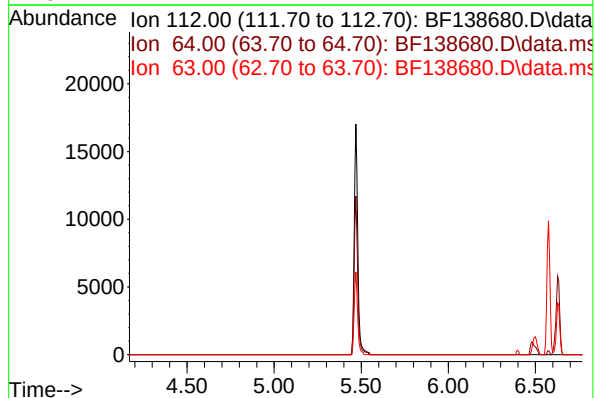
Tgt Ion: 112

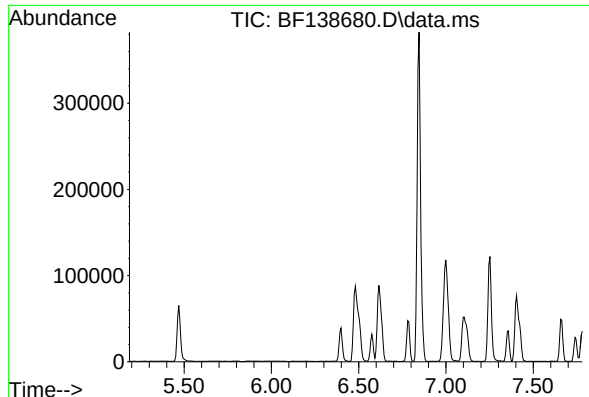
Sig Exp Ratio

112 100

64 67.8

63 35.9





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.49 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

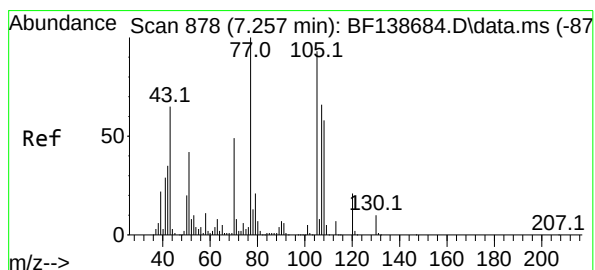
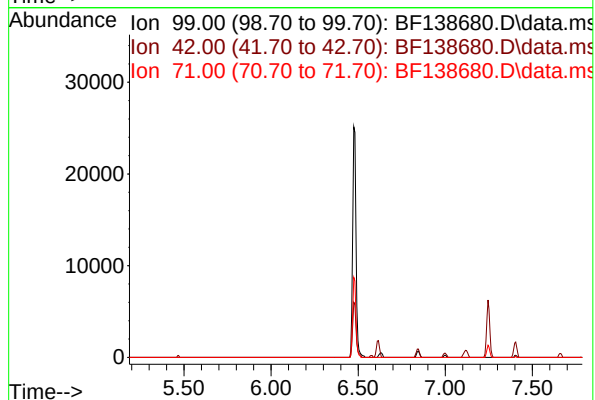
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.7

71 35.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.640 ng

RT: 7.245 min Scan# 876

Delta R.T. -0.012 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

Tgt Ion: 70 Resp: 10170

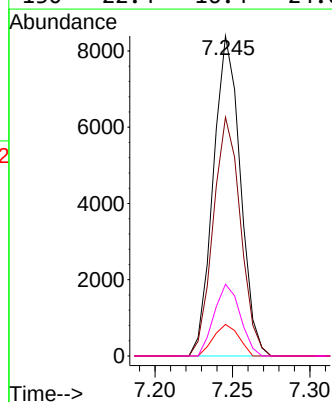
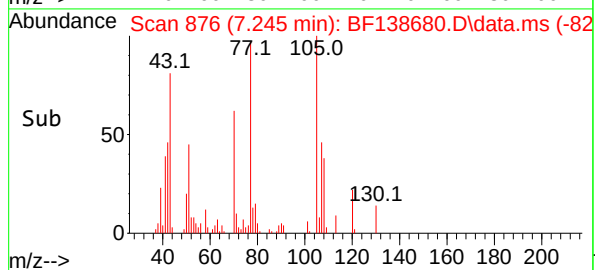
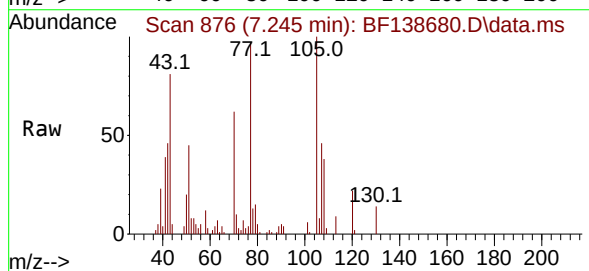
Ion Ratio Lower Upper

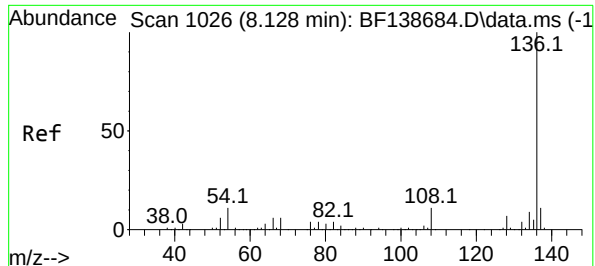
70 100

42 74.6 57.4 86.0

101 9.8 7.5 11.3

130 22.4 16.4 24.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138680.D

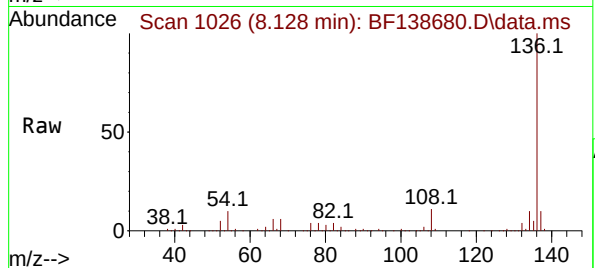
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 293951

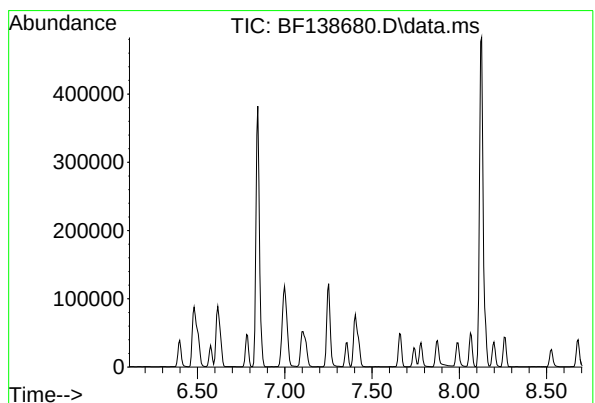
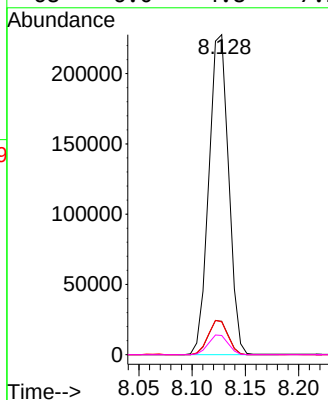
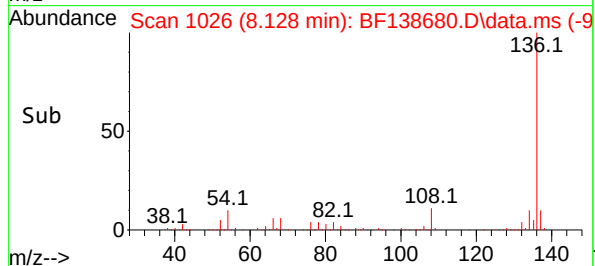
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 10.2 8.6 12.8

68 6.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.41 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

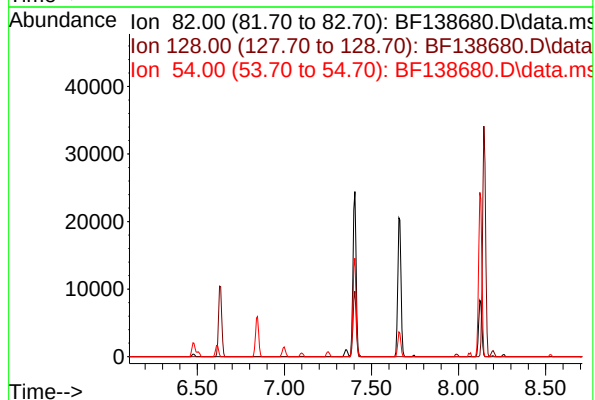
Tgt Ion: 82

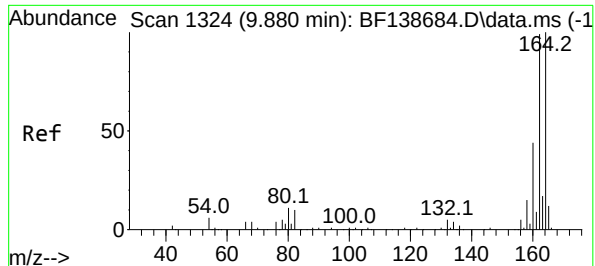
Sig Exp Ratio

82 100

128 41.0

54 60.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1

Delta R.T. 0.001 min

Lab File: BF138680.D

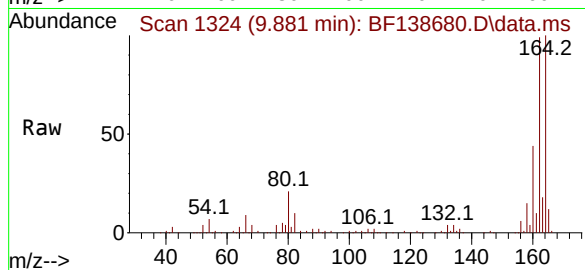
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



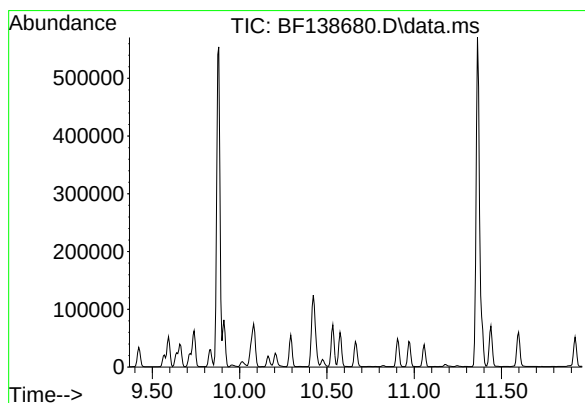
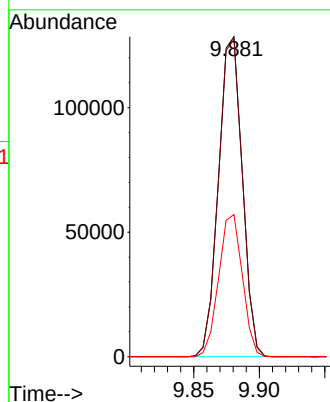
Tgt Ion:164 Resp: 161886

Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.0

160 44.4 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.67 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

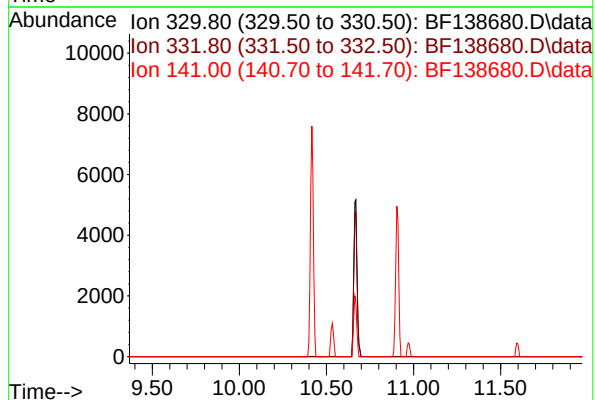
Tgt Ion: 330

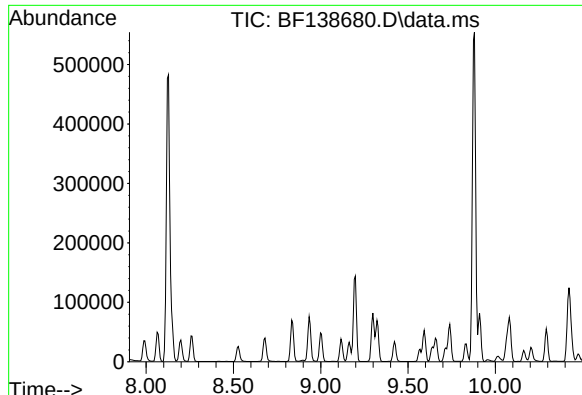
Sig Exp Ratio

330 100

332 95.5

141 38.9





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.20 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

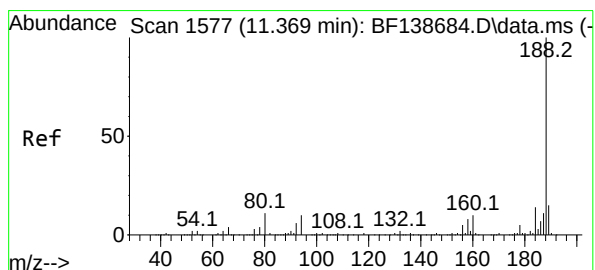
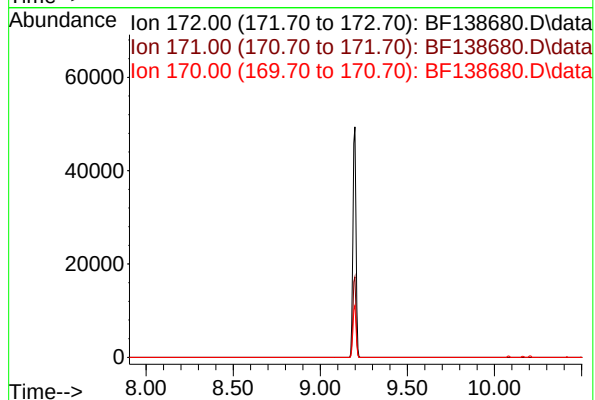
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.4

170 23.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF138680.D

Acq: 30 Jul 2024 12:54

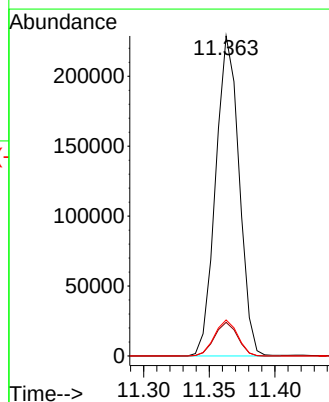
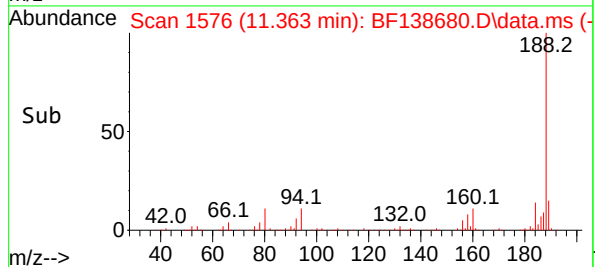
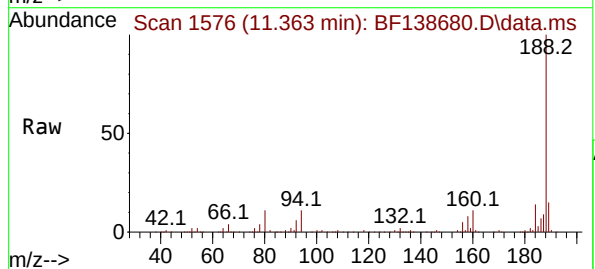
Tgt Ion:188 Resp: 284722

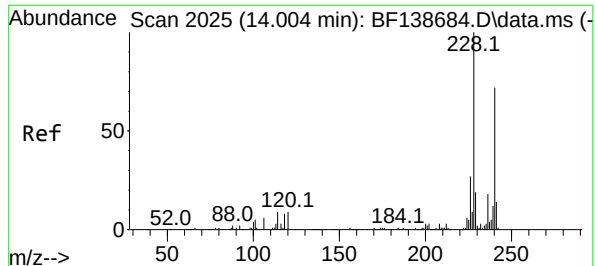
Ion Ratio Lower Upper

188 100

94 10.5 7.6 11.4

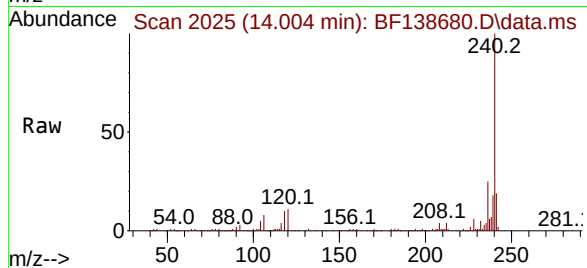
80 11.3 8.6 12.8



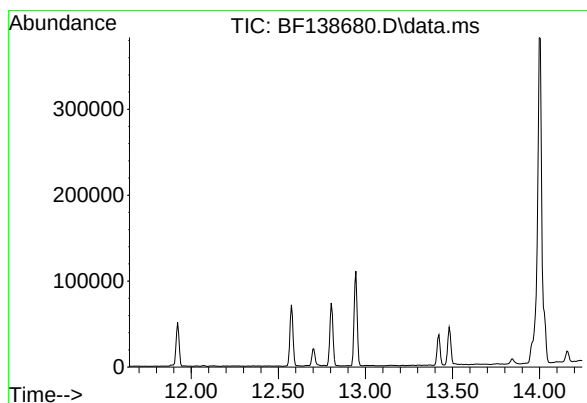
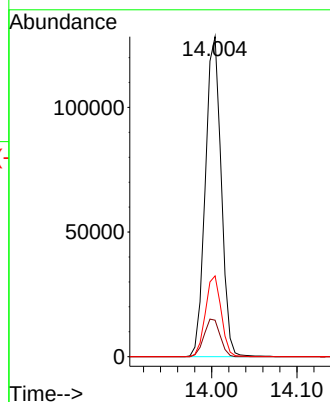
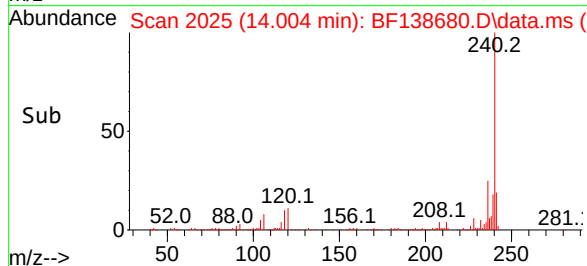


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



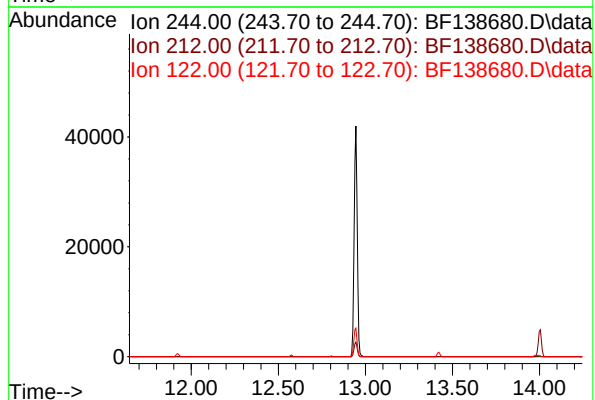
Tgt Ion:240 Resp: 165574
Ion Ratio Lower Upper
240 100
120 11.4 10.2 15.4
236 25.3 19.8 29.8

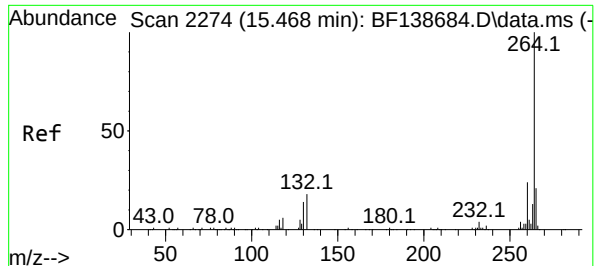


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.95 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.8
122 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138680.D

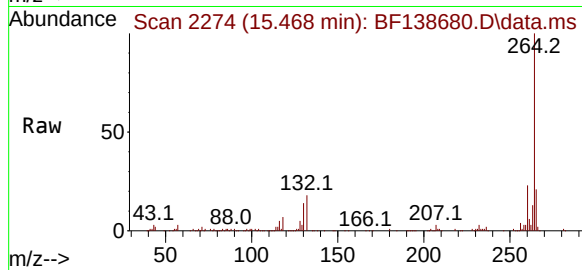
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



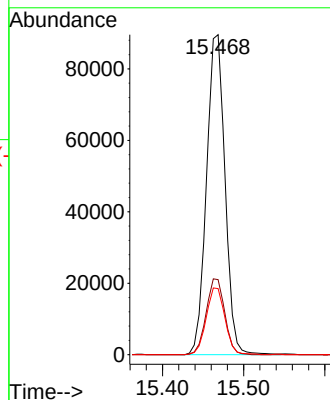
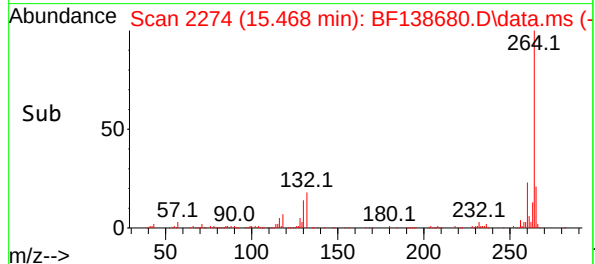
Tgt Ion:264 Resp: 141601

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 20.6 17.0 25.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138681.D
 Acq On : 30 Jul 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 30 17:41:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	70137	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	290994	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	157274	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	264044	20.000	ng	0.00
76) Chrysene-d12	14.004	240	144971	20.000	ng	0.00
86) Perylene-d12	15.463	264	139476	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	49224	10.834	ng	0.00
7) Phenol-d6	6.475	99	67958	11.140	ng	-0.01
23) Nitrobenzene-d5	7.404	82	61942	10.407	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	13218	10.260	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	118878	11.357	ng	0.00
79) Terphenyl-d14	12.945	244	91621	10.581	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.593	88	10463	5.260	ng	98
3) Pyridine	3.369	79	24069	4.995	ng	97
4) n-Nitrosodimethylamine	3.287	42	14249	4.965	ng	# 96
6) Aniline	6.504	93	29043	5.339	ng	99
8) 2-Chlorophenol	6.628	128	25801	5.397	ng	94
9) Benzaldehyde	6.398	77	21562	5.896	ng	98
10) Phenol	6.493	94	35277	5.492	ng	98
11) bis(2-Chloroethyl)ether	6.575	93	26204	5.302	ng	98
12) 1,3-Dichlorobenzene	6.787	146	29587	5.529	ng	99
13) 1,4-Dichlorobenzene	6.863	146	29620	5.485	ng	97
14) 1,2-Dichlorobenzene	7.010	146	28415	5.630	ng	99
15) Benzyl Alcohol	6.987	79	23244	5.287	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.116	45	47247	5.555	ng	96
17) 2-Methylphenol	7.098	107	20893	5.293	ng	96
18) Hexachloroethane	7.351	117	10859	5.342	ng	98
19) n-Nitroso-di-n-propyla...	7.245	70	19805	5.375	ng	96
20) 3+4-Methylphenols	7.251	107	29122	5.750	ng	97
22) Acetophenone	7.251	105	39162	5.496	ng	97
24) Nitrobenzene	7.422	77	31388	5.183	ng	99
25) Isophorone	7.663	82	53456	5.260	ng	100
26) 2-Nitrophenol	7.739	139	12268	4.708	ng	93
27) 2,4-Dimethylphenol	7.781	122	15906	5.102	ng	99
28) bis(2-Chloroethoxy)met...	7.869	93	32570	5.263	ng	99
29) 2,4-Dichlorophenol	7.987	162	20263	5.058	ng	98
30) 1,2,4-Trichlorobenzene	8.063	180	25030	5.414	ng	99
31) Naphthalene	8.145	128	81757	5.338	ng	100
33) 4-Chloroaniline	8.198	127	25753	5.009	ng	98
34) Hexachlorobutadiene	8.263	225	14945	5.337	ng	99
35) Caprolactam	8.528	113	5694	4.763	ng	98
36) 4-Chloro-3-methylphenol	8.681	107	23684	5.173	ng	94
37) 2-Methylnaphthalene	8.834	142	52614	5.439	ng	99
38) 1-Methylnaphthalene	8.934	142	51855	5.470	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	23837	5.456	ng	96
43) 2,4,6-Trichlorophenol	9.116	196	13303	4.994	ng	98
44) 2,4,5-Trichlorophenol	9.163	196	14479	4.972	ng	99
46) 1,1'-Biphenyl	9.298	154	67394	5.471	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138681.D
 Acq On : 30 Jul 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 30 17:41:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

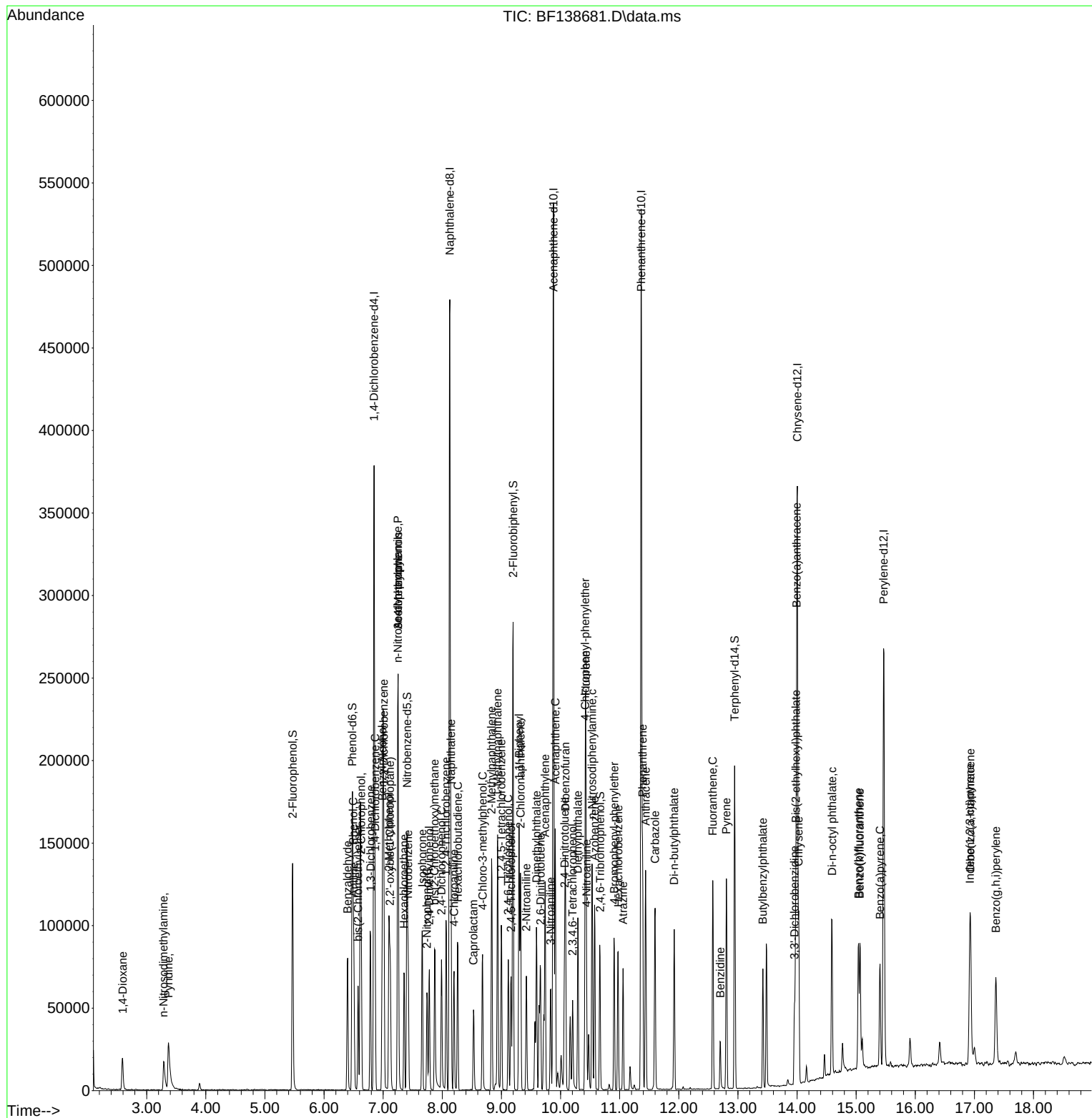
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.322	162	49660	5.421	ng	100
48) 2-Nitroaniline	9.422	65	15473	4.982	ng	95
49) Acenaphthylene	9.739	152	70622	5.435	ng	99
50) Dimethylphthalate	9.592	163	52521	5.223	ng	99
51) 2,6-Dinitrotoluene	9.663	165	11264	4.963	ng	95
52) Acenaphthene	9.910	154	47866	5.480	ng	98
53) 3-Nitroaniline	9.833	138	12123	5.167	ng	99
55) Dibenzofuran	10.081	168	67994	5.515	ng	99
57) 2,4-Dinitrotoluene	10.069	165	14816	5.117	ng #	98
58) Fluorene	10.428	166	54036	5.504	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.204	232	10608	4.765	ng #	96
60) Diethylphthalate	10.292	149	49851	5.228	ng	98
61) 4-Chlorophenyl-phenyle...	10.416	204	26020	5.389	ng	99
62) 4-Nitroaniline	10.439	138	11156	5.004	ng	97
63) Azobenzene	10.575	77	56096	5.304	ng	99
66) n-Nitrosodiphenylamine	10.533	169	42403	5.138	ng	97
67) 4-Bromophenyl-phenylether	10.910	248	14996	5.246	ng	95
68) Hexachlorobenzene	10.975	284	15270	5.173	ng	98
69) Atrazine	11.057	200	11256	5.286	ng	99
71) Phenanthrene	11.386	178	73432	5.401	ng	99
72) Anthracene	11.439	178	71415	5.332	ng	98
73) Carbazole	11.598	167	64031	5.541	ng	98
74) Di-n-butylphthalate	11.922	149	65388	5.034	ng	100
75) Fluoranthene	12.574	202	70499	5.554	ng	98
77) Benzidine	12.704	184	17784	5.129	ng	99
78) Pyrene	12.804	202	71695	5.253	ng	100
80) Butylbenzylphthalate	13.421	149	20901	4.782	ng	97
81) Benzo(a)anthracene	13.992	228	50774	5.086	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	14073	5.509	ng	98
83) Chrysene	14.027	228	48647	5.401	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	31754	4.961	ng	99
85) Di-n-octyl phthalate	14.592	149	59336	5.011	ng	99
87) Indeno(1,2,3-cd)pyrene	16.921	276	51232	5.126	ng	100
88) Benzo(b)fluoranthene	15.039	252	44859	5.188	ng	99
89) Benzo(k)fluoranthene	15.063	252	41920	5.600	ng	99
90) Benzo(a)pyrene	15.404	252	37810	5.199	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	42736	5.209	ng	98
92) Benzo(g,h,i)perylene	17.362	276	43978	5.165	ng	99

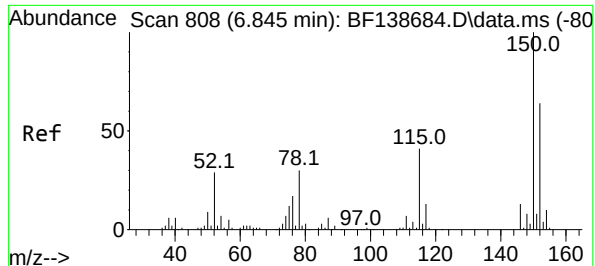
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138681.D
 Acq On : 30 Jul 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

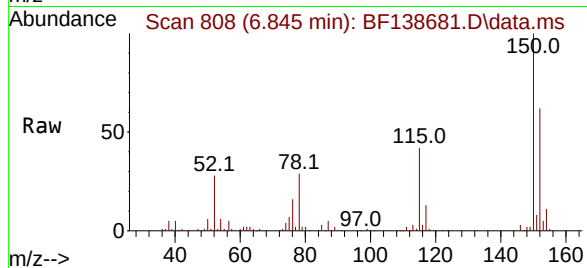
Quant Time: Jul 30 17:41:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration



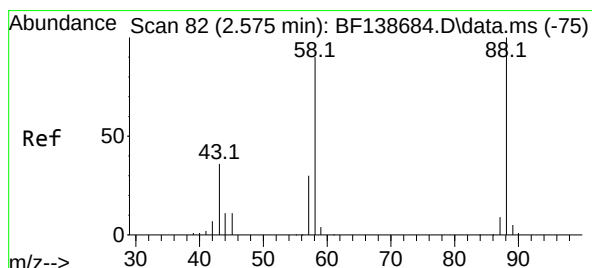
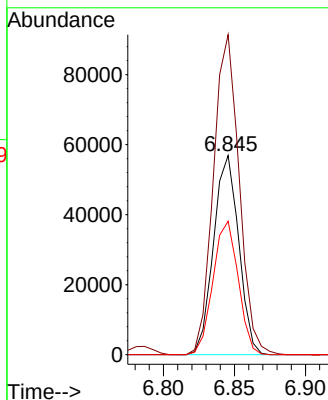
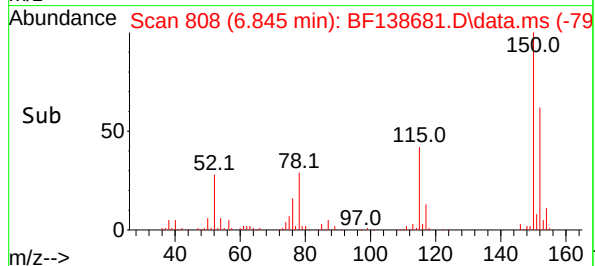


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

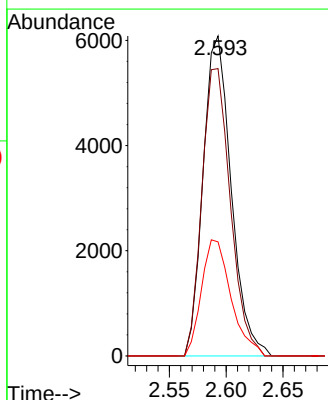
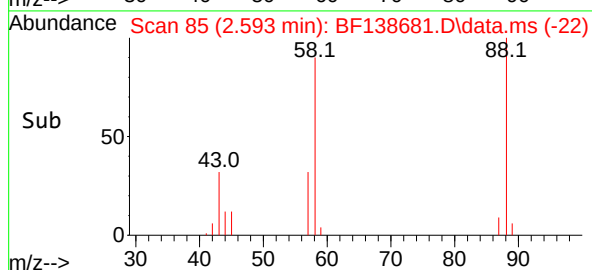
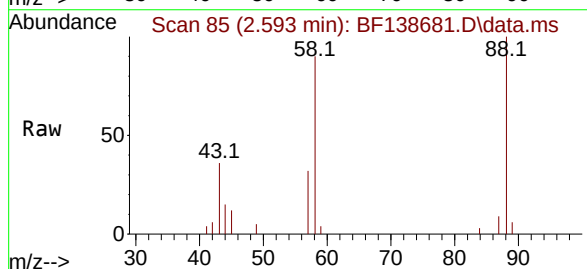


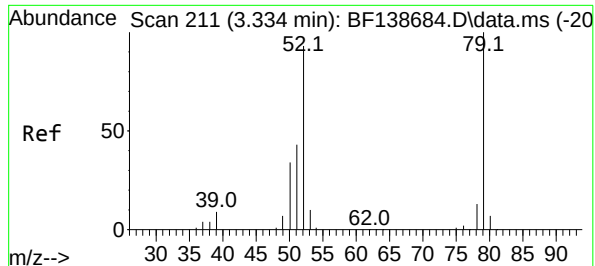
Tgt Ion:152 Resp: 70137
Ion Ratio Lower Upper
152 100
150 160.6 126.0 189.0
115 67.0 51.7 77.5



#2
1,4-Dioxane
Concen: 5.260 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 88 Resp: 10463
Ion Ratio Lower Upper
88 100
58 90.9 71.6 107.4
43 38.2 28.7 43.1





#3

Pyridine

Concen: 4.995 ng

RT: 3.369 min Scan# 211

Delta R.T. 0.035 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

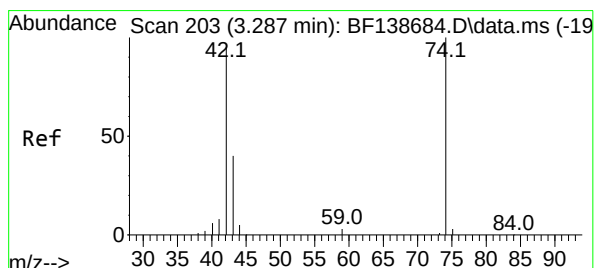
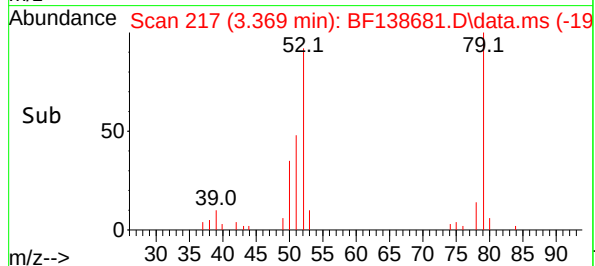
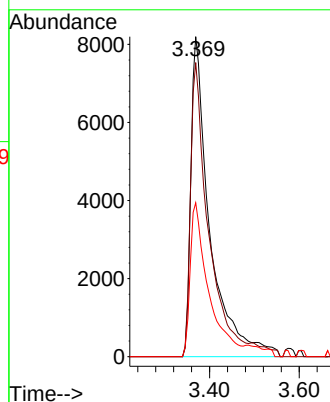
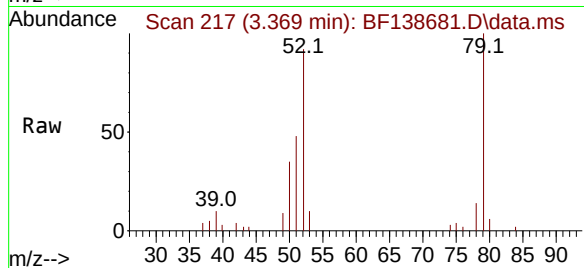
Tgt Ion: 79 Resp: 24069

Ion Ratio Lower Upper

79 100

52 91.9 74.7 112.1

51 48.1 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 4.965 ng

RT: 3.287 min Scan# 203

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

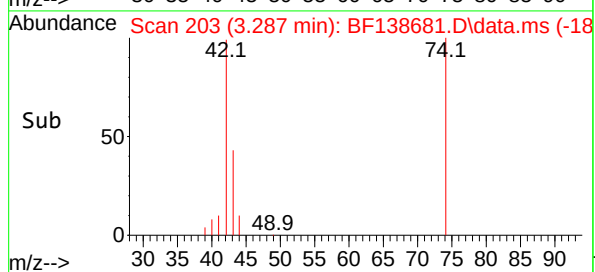
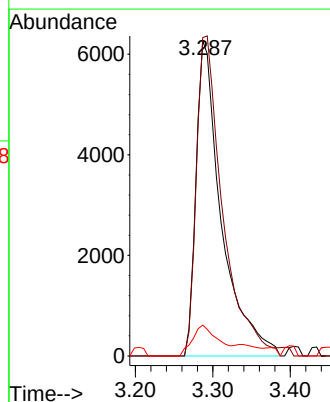
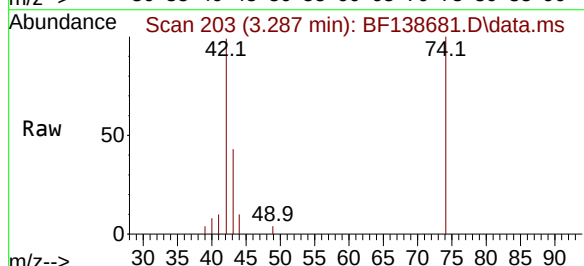
Tgt Ion: 42 Resp: 14249

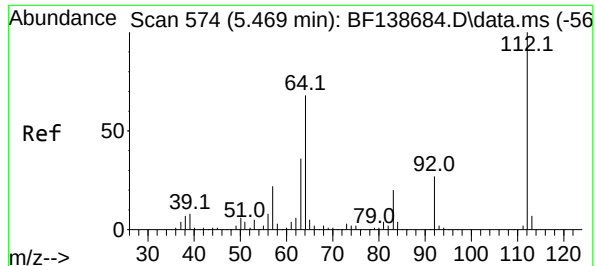
Ion Ratio Lower Upper

42 100

74 101.1 84.2 126.4

44 9.8 4.9 7.3#

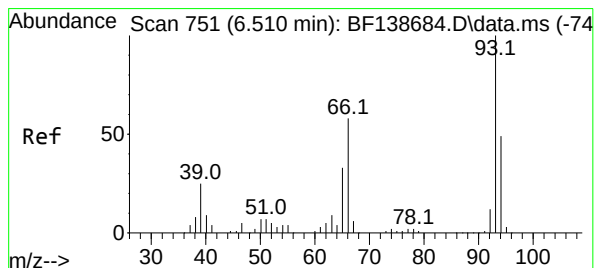
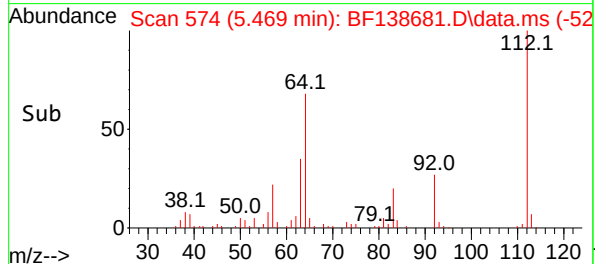
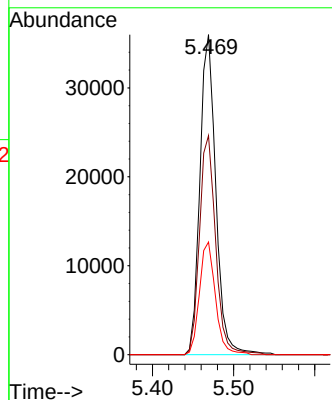
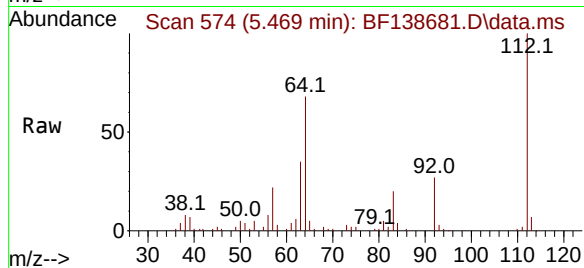




#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

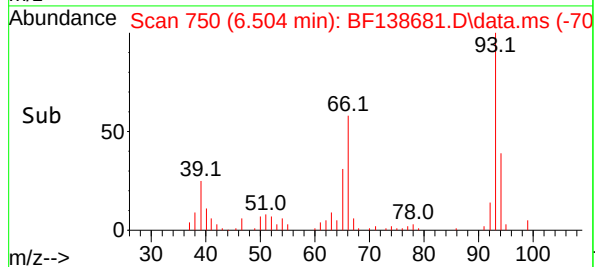
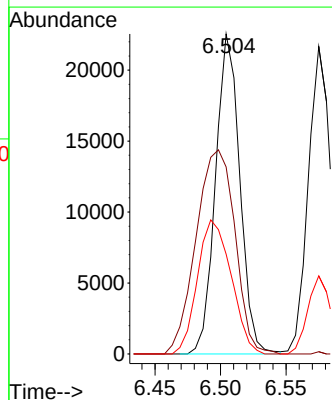
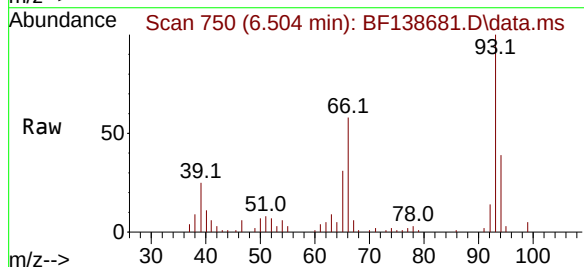
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

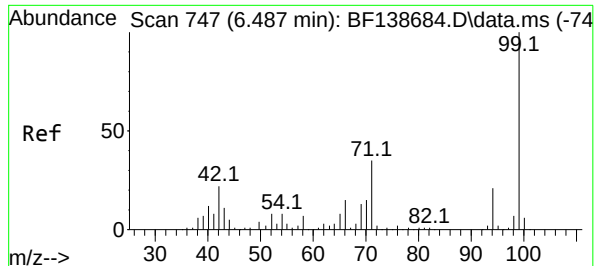
Tgt Ion:112 Resp: 49224
Ion Ratio Lower Upper
112 100
64 68.5 54.2 81.4
63 35.2 28.7 43.1



#6
Aniline
Concen: 5.339 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 93 Resp: 29043
Ion Ratio Lower Upper
93 100
66 58.4 46.9 70.3
65 31.2 26.5 39.7





#7

Phenol-d6

Concen: 11.140 ng

RT: 6.475 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

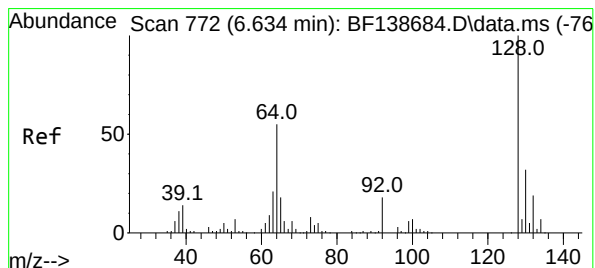
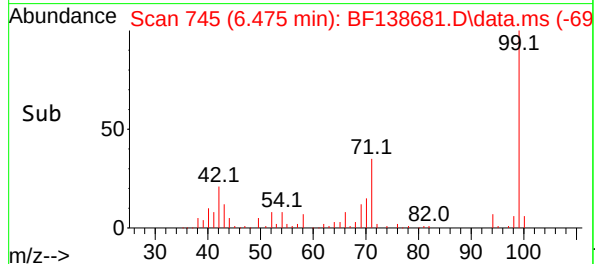
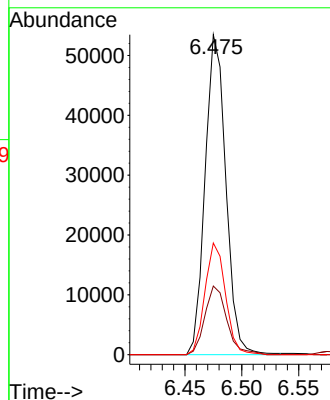
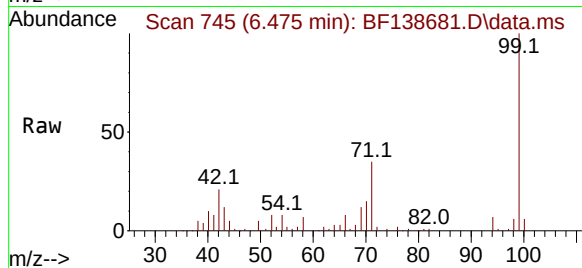
Tgt Ion: 99 Resp: 67958

Ion Ratio Lower Upper

99 100

42 21.4 17.4 26.0

71 34.9 28.1 42.1



#8

2-Chlorophenol

Concen: 5.397 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

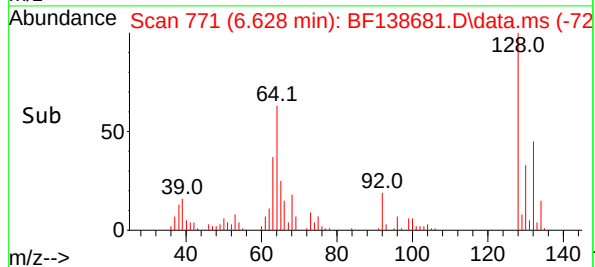
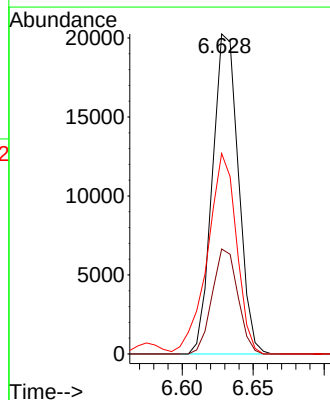
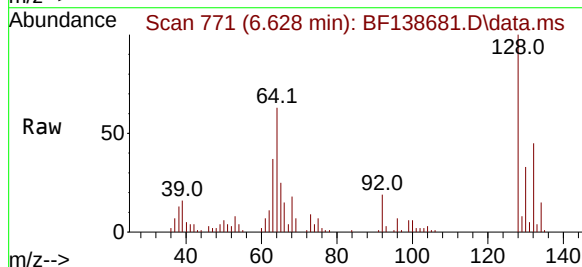
Tgt Ion: 128 Resp: 25801

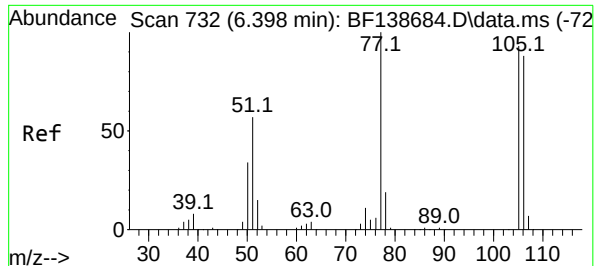
Ion Ratio Lower Upper

128 100

130 32.8 12.0 52.0

64 62.7 36.3 76.3





#9

Benzaldehyde

Concen: 5.896 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

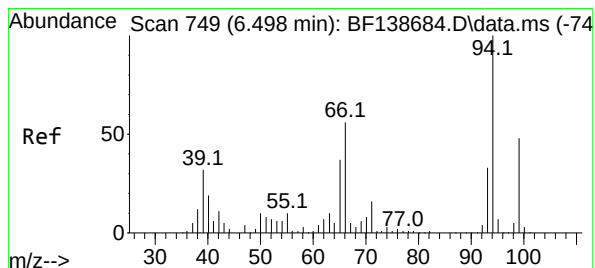
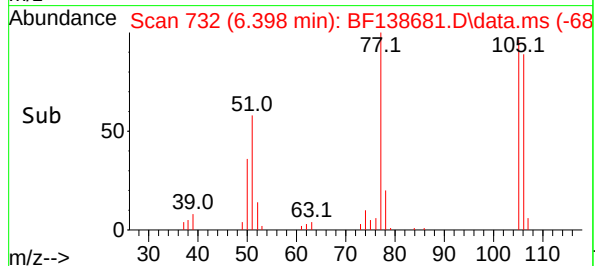
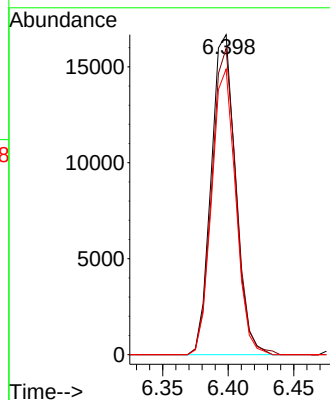
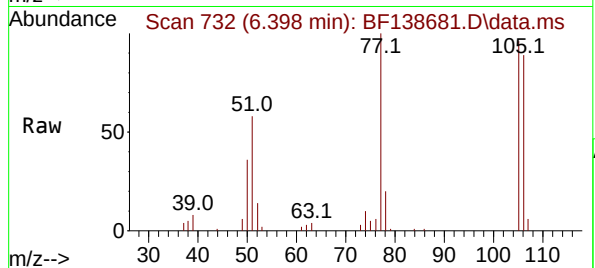
Tgt Ion: 77 Resp: 21562

Ion Ratio Lower Upper

77 100

105 95.7 72.9 112.9

106 89.3 68.4 108.4



#10

Phenol

Concen: 5.492 ng

RT: 6.493 min Scan# 748

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

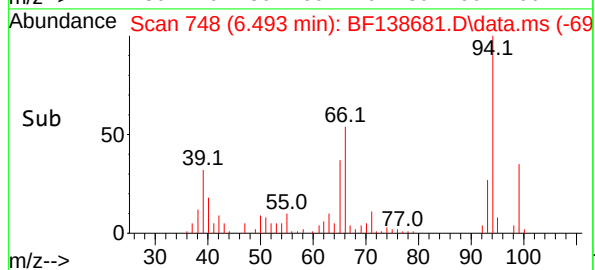
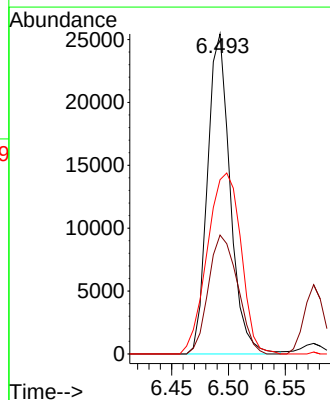
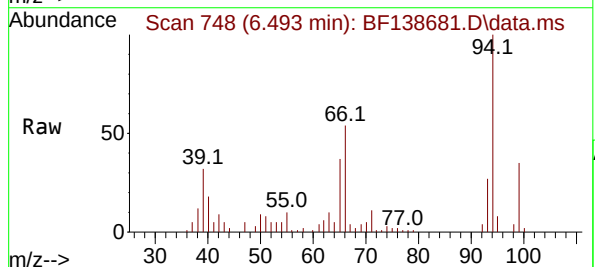
Tgt Ion: 94 Resp: 35277

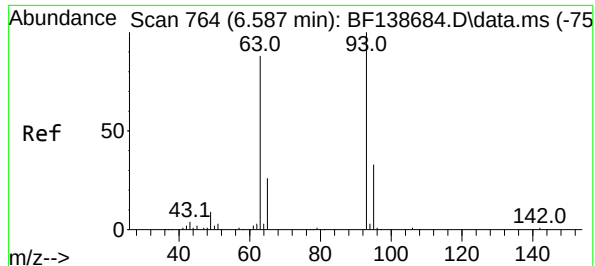
Ion Ratio Lower Upper

94 100

65 37.2 16.9 56.9

66 54.5 36.5 76.5

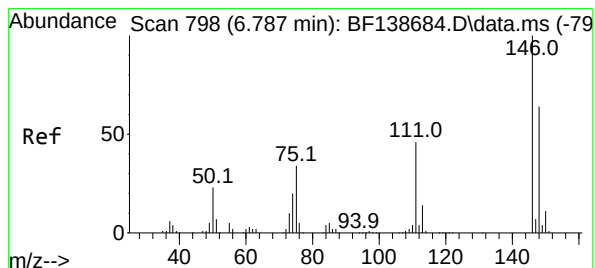
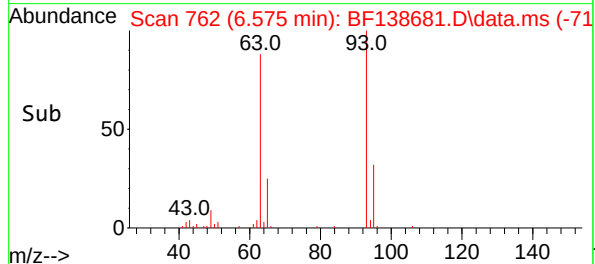
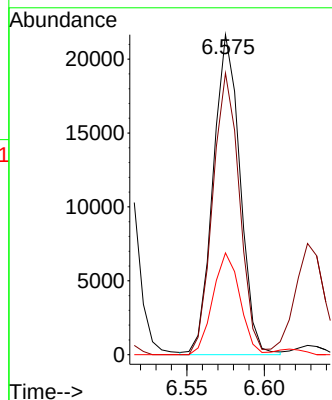
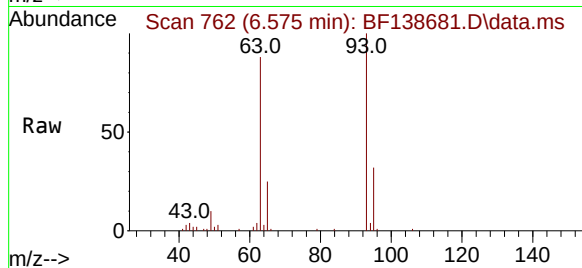




#11
bis(2-Chloroethyl)ether
Concen: 5.302 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

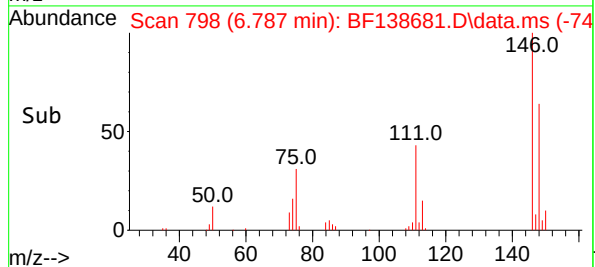
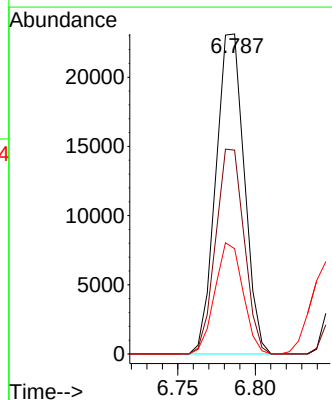
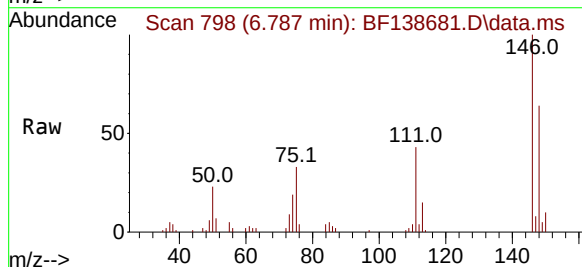
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

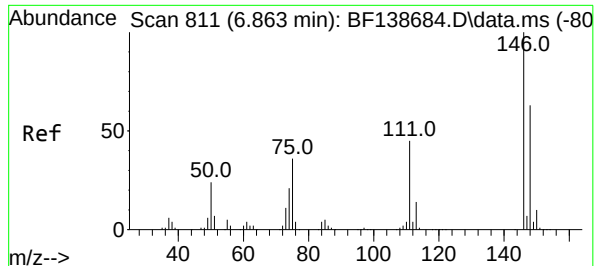
Tgt Ion: 93 Resp: 26204
Ion Ratio Lower Upper
93 100
63 88.0 65.3 105.3
95 31.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.529 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 146 Resp: 29587
Ion Ratio Lower Upper
146 100
148 63.7 51.2 76.8
75 32.9 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 5.485 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

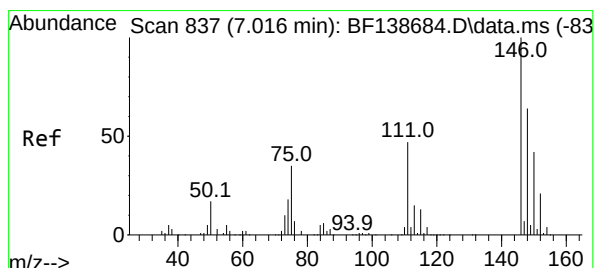
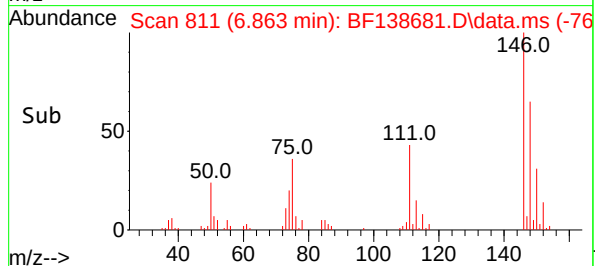
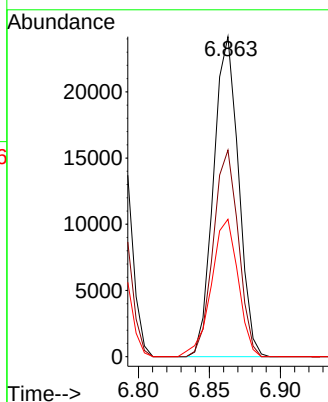
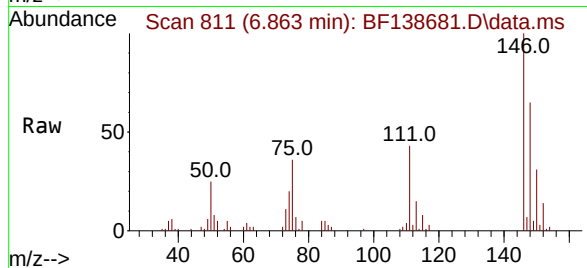
Tgt Ion:146 Resp: 29620

Ion Ratio Lower Upper

146 100

148 64.6 50.2 75.2

111 42.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 5.630 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

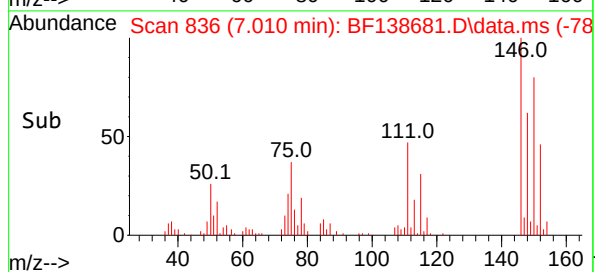
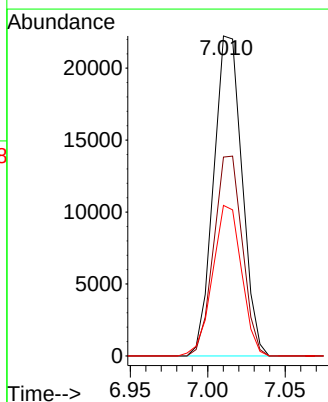
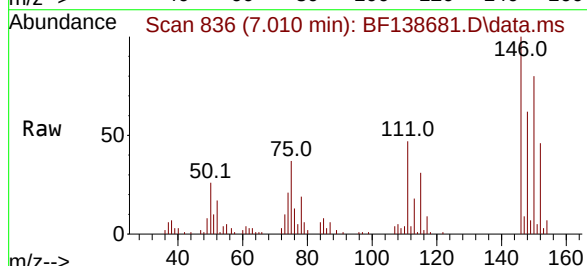
Tgt Ion:146 Resp: 28415

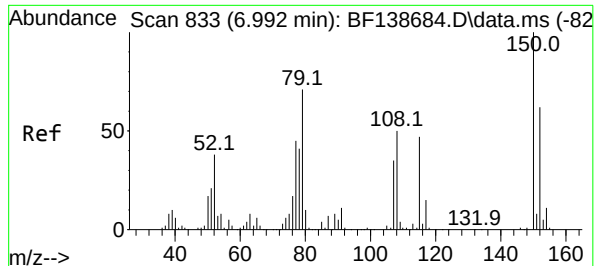
Ion Ratio Lower Upper

146 100

148 62.1 50.8 76.2

111 47.0 37.4 56.2





#15

Benzyl Alcohol

Concen: 5.287 ng

RT: 6.987 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

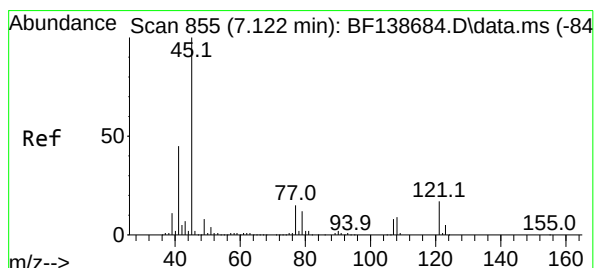
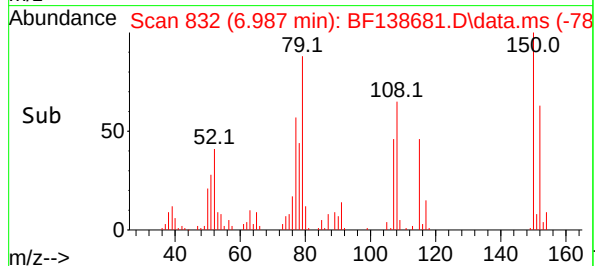
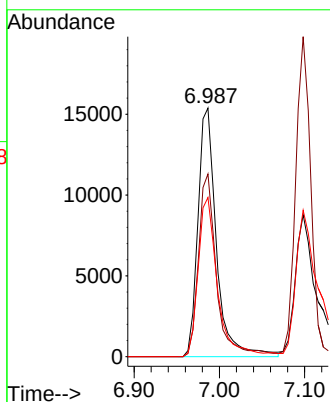
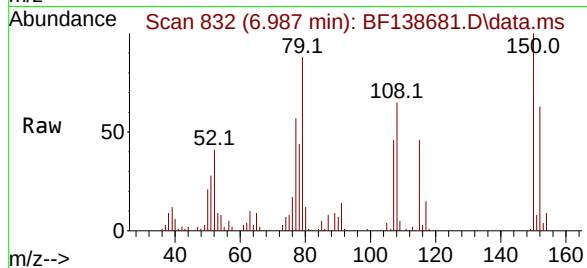
Tgt Ion: 79 Resp: 23244

Ion Ratio Lower Upper

79 100

108 73.5 56.6 85.0

77 64.0 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.555 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

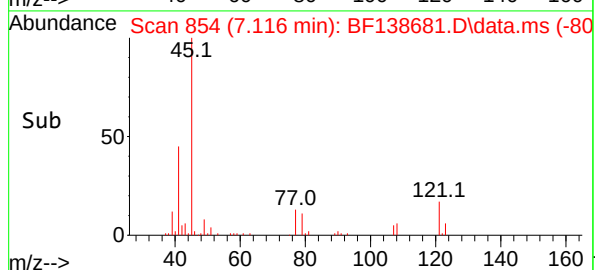
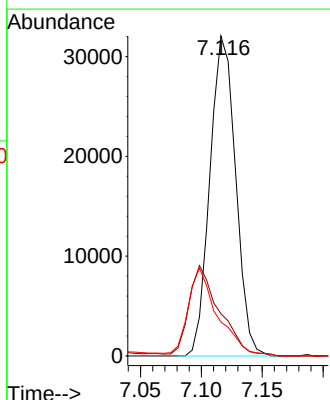
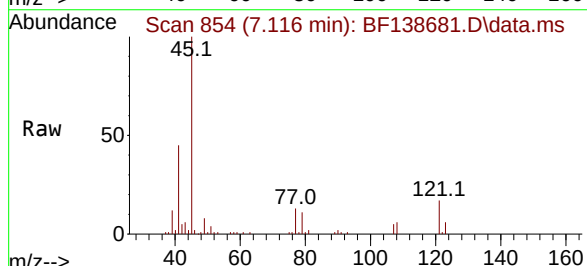
Tgt Ion: 45 Resp: 47247

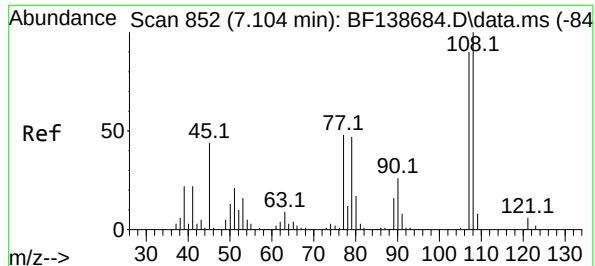
Ion Ratio Lower Upper

45 100

77 13.2 0.0 34.9

79 10.6 0.0 32.2

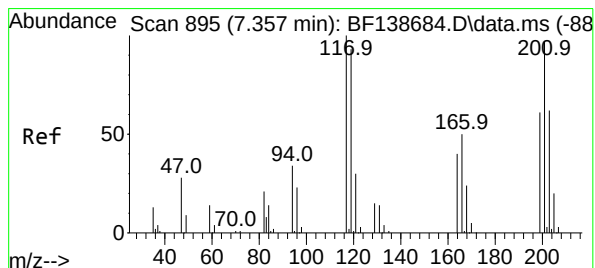
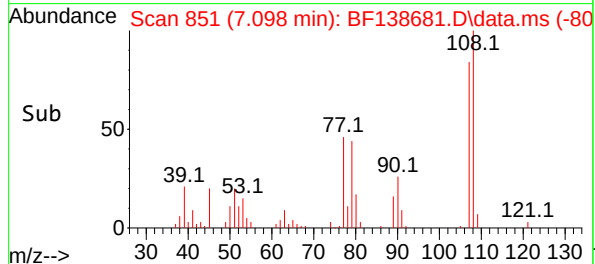
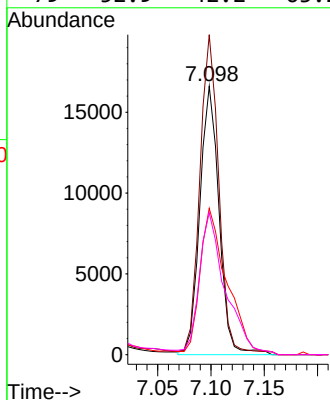
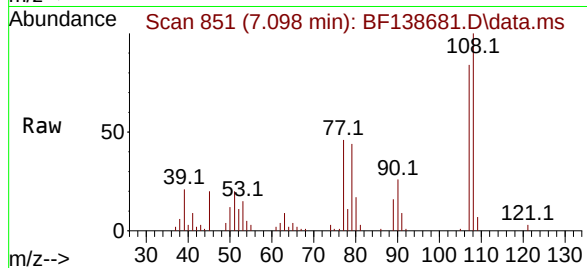




#17
2-Methylphenol
Concen: 5.293 ng
RT: 7.098 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

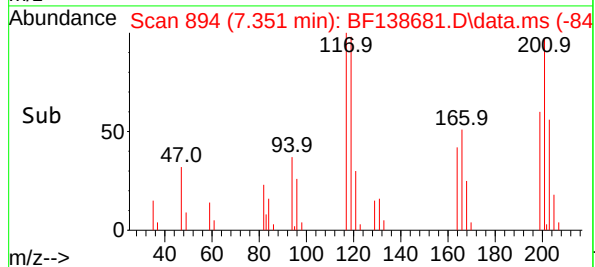
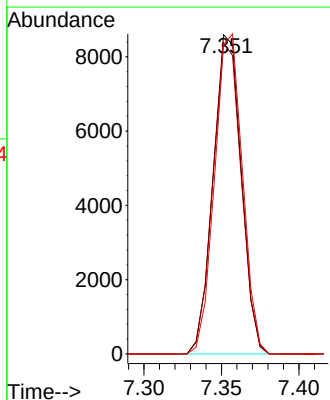
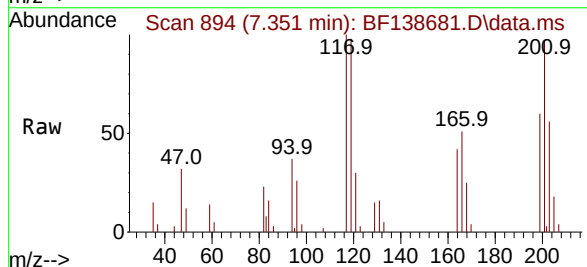
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

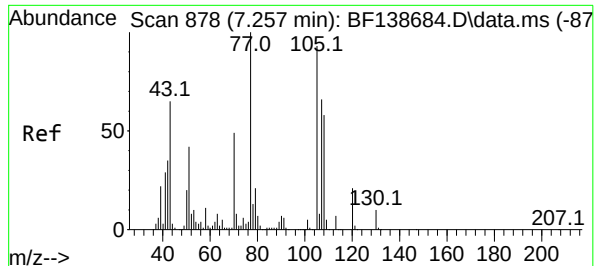
Tgt Ion:	107	Resp:	20893
Ion	Ratio	Lower	Upper
107	100		
108	119.2	89.2	133.8
77	54.5	43.0	64.4
79	52.9	42.2	63.2



#18
Hexachloroethane
Concen: 5.342 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:	117	Resp:	10859
Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.6	111.8
201	96.9	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 5.375 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF138681.D

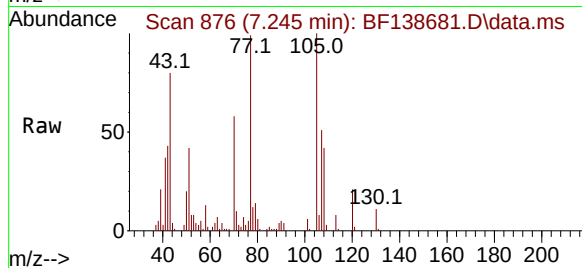
Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

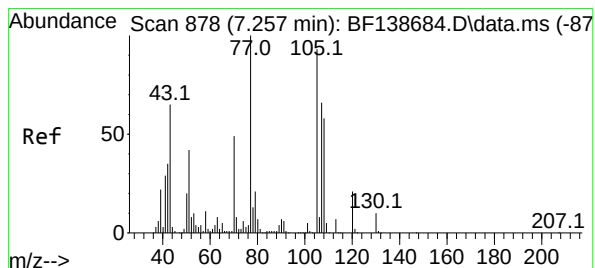
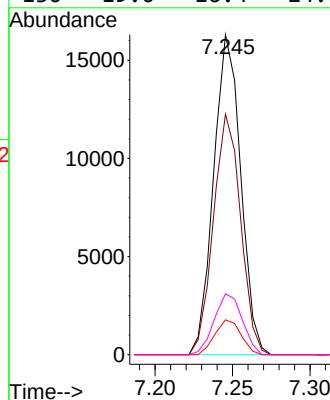
ClientSampleId :

SSTDICC005



Tgt Ion: 70 Resp: 19805

Ion	Ratio	Lower	Upper
70	100		
42	75.2	57.4	86.0
101	10.9	7.5	11.3
130	19.0	16.4	24.6



#20

3+4-Methylphenols

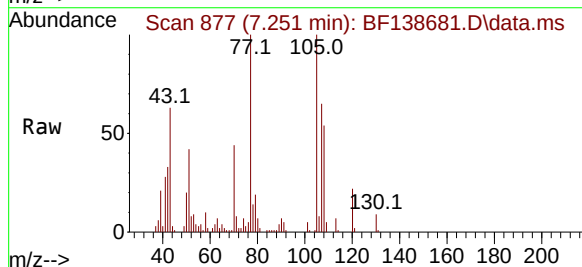
Concen: 5.750 ng

RT: 7.251 min Scan# 877

Delta R.T. -0.006 min

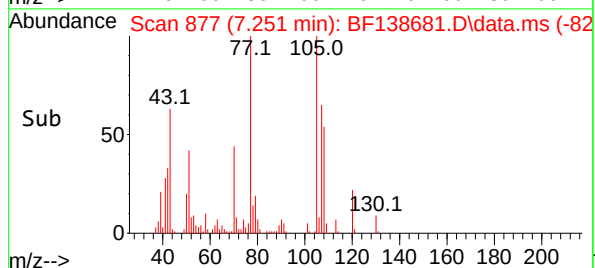
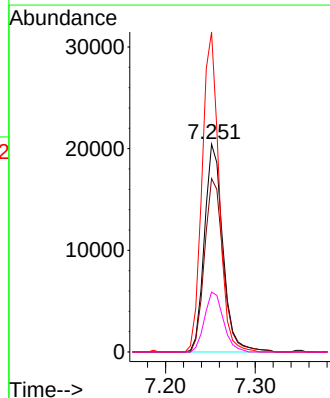
Lab File: BF138681.D

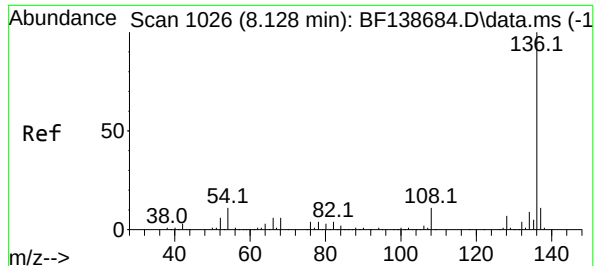
Acq: 30 Jul 2024 13:25



Tgt Ion: 107 Resp: 29122

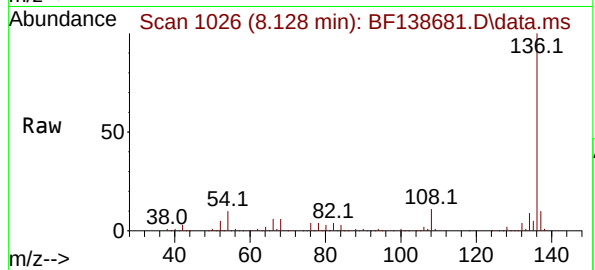
Ion	Ratio	Lower	Upper
107	100		
108	83.5	68.2	108.2
77	154.0	132.1	172.1
79	28.8	11.5	51.5



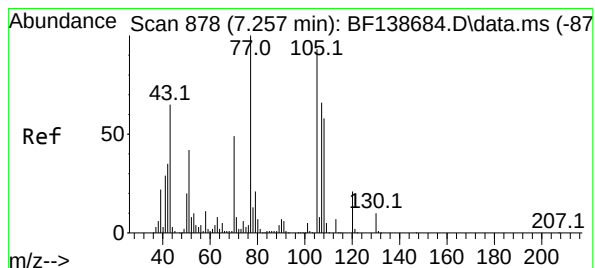
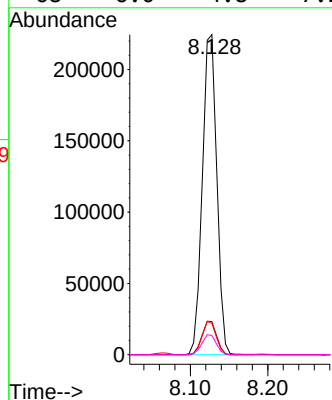
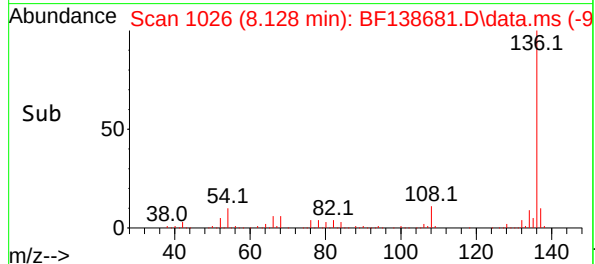


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

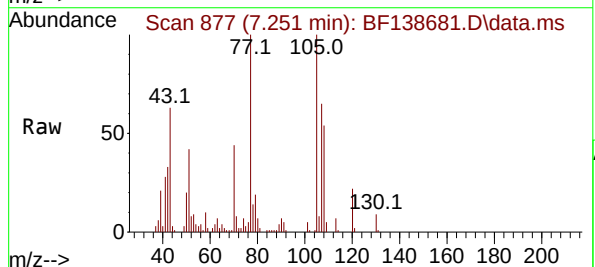
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



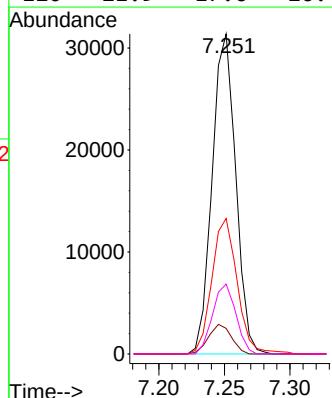
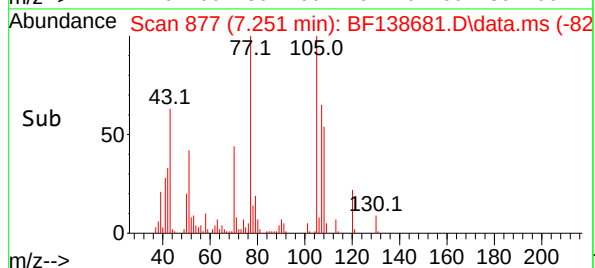
Tgt Ion:136 Resp: 290994
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.8 8.6 12.8
68 6.0 4.8 7.2

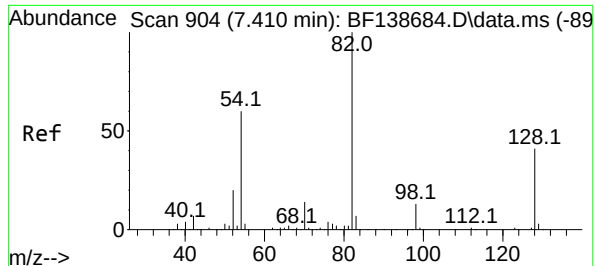


#22
Acetophenone
Concen: 5.496 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25



Tgt Ion:105 Resp: 39162
Ion Ratio Lower Upper
105 100
71 8.0 7.2 10.8
51 42.3 35.9 53.9
120 21.9 17.6 26.4





#23

Nitrobenzene-d5

Concen: 10.407 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

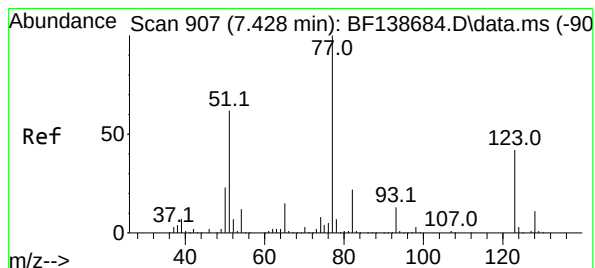
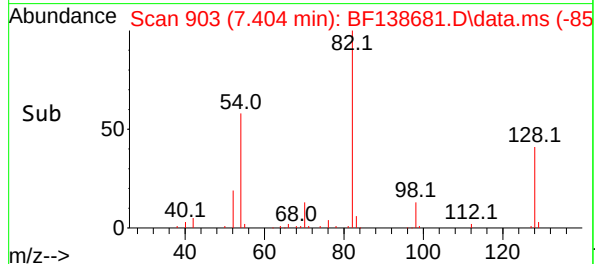
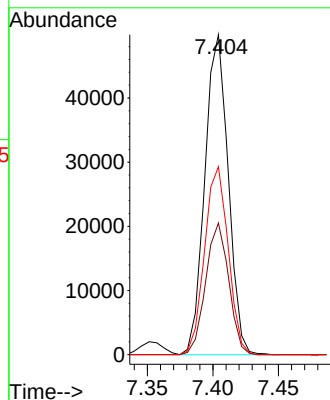
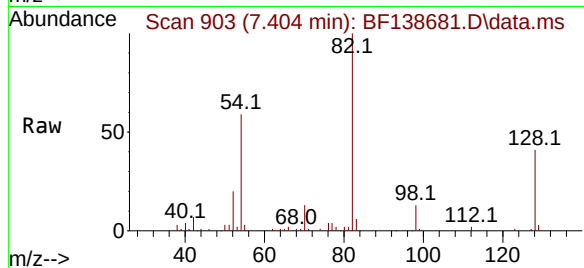
Tgt Ion: 82 Resp: 61942

Ion Ratio Lower Upper

82 100

128 41.2 32.8 49.2

54 58.8 48.3 72.5



#24

Nitrobenzene

Concen: 5.183 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

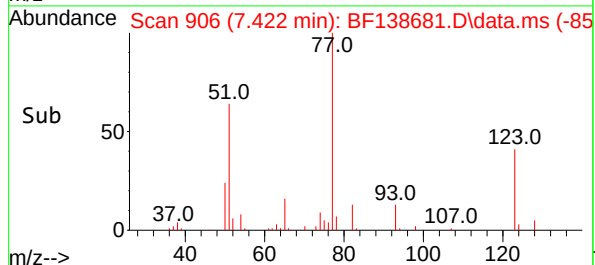
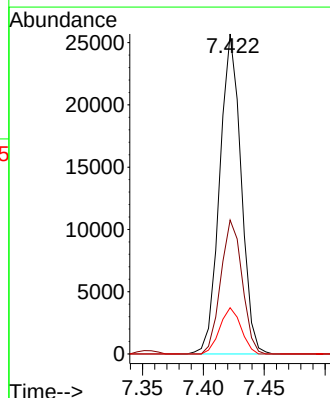
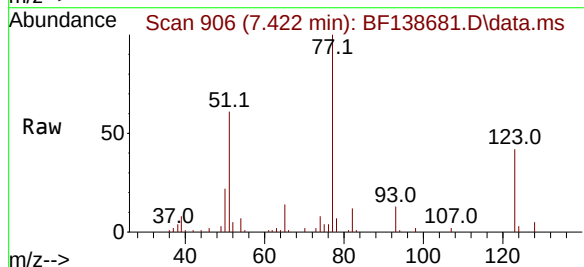
Tgt Ion: 77 Resp: 31388

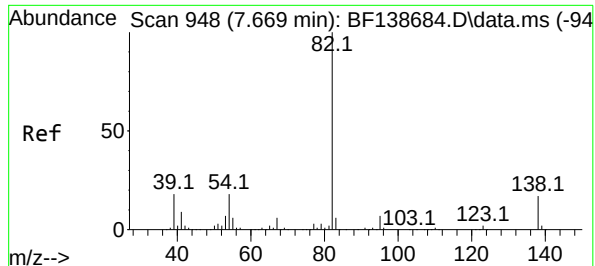
Ion Ratio Lower Upper

77 100

123 41.8 33.3 49.9

65 14.5 11.9 17.9





#25

Isophorone

Concen: 5.260 ng

RT: 7.663 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

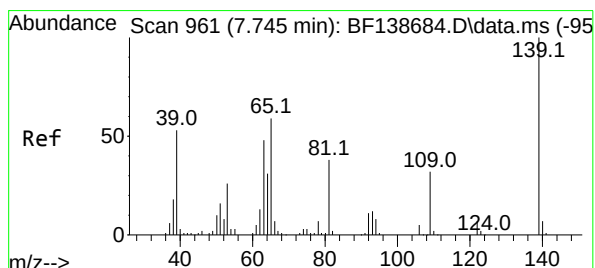
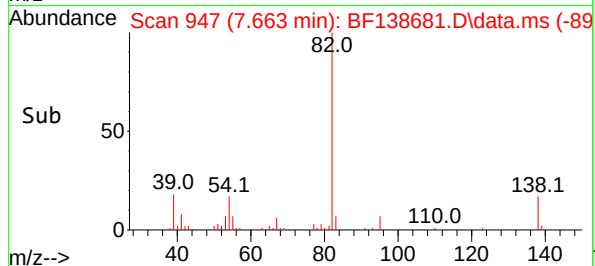
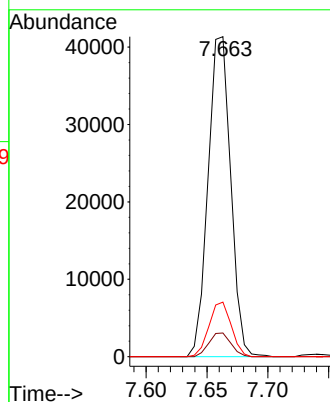
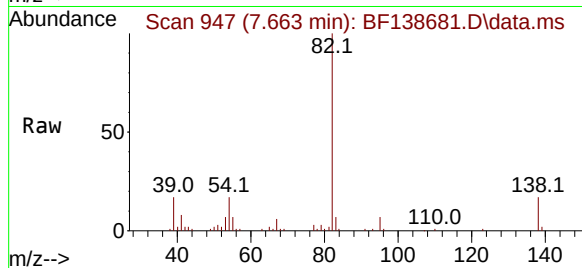
Tgt Ion: 82 Resp: 53456

Ion Ratio Lower Upper

82 100

95 7.4 5.7 8.5

138 17.1 13.7 20.5



#26

2-Nitrophenol

Concen: 4.708 ng

RT: 7.739 min Scan# 960

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

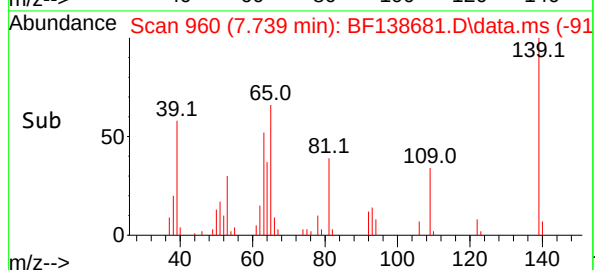
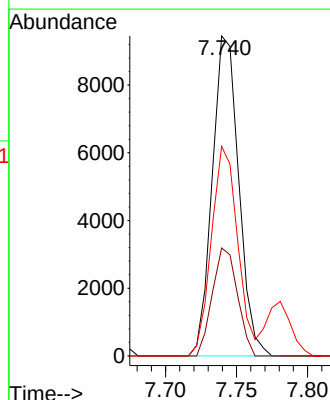
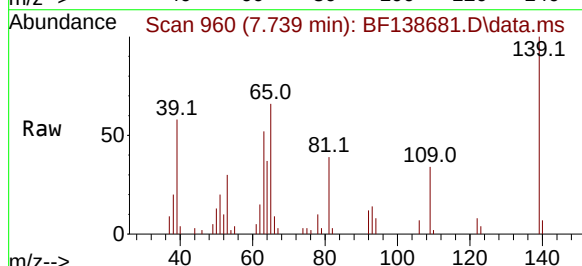
Tgt Ion:139 Resp: 12268

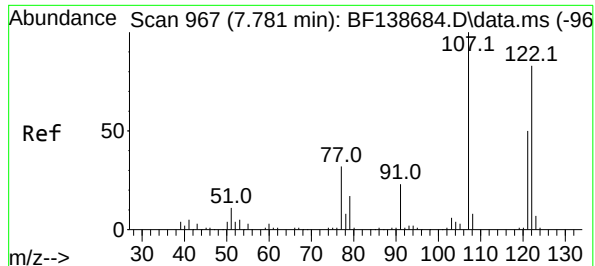
Ion Ratio Lower Upper

139 100

109 33.8 25.9 38.9

65 65.5 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 5.102 ng

RT: 7.781 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

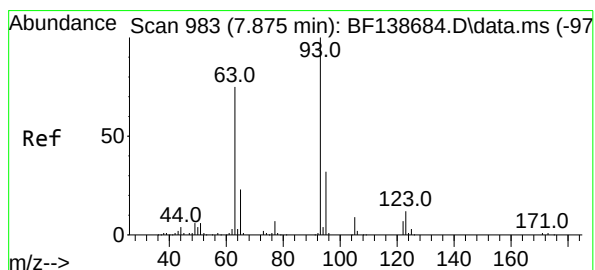
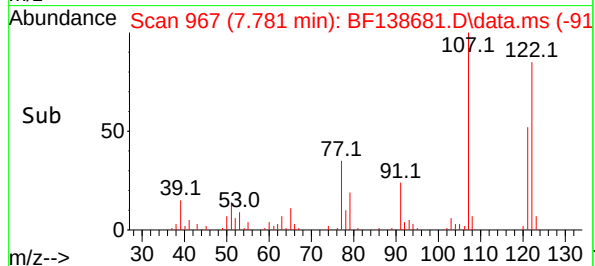
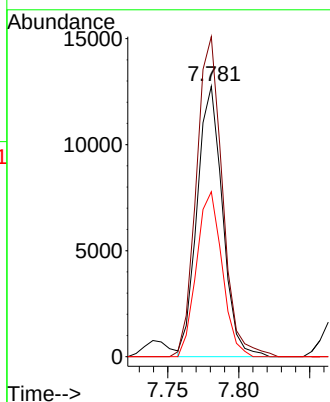
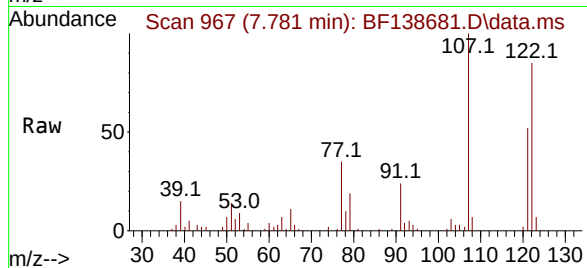
Tgt Ion:122 Resp: 15906

Ion Ratio Lower Upper

122 100

107 118.3 95.0 142.6

121 61.0 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 5.263 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

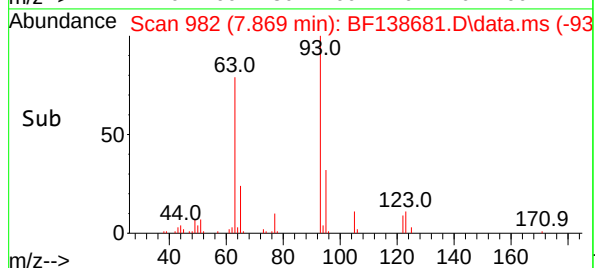
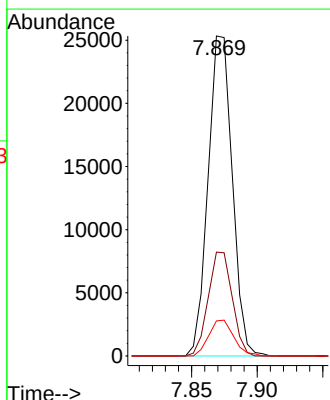
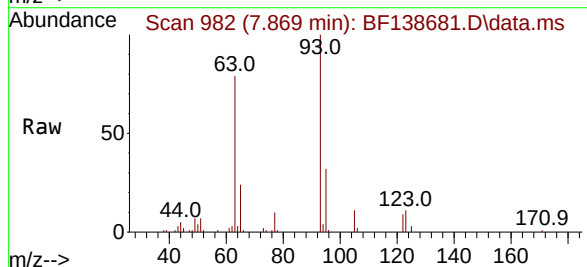
Tgt Ion: 93 Resp: 32570

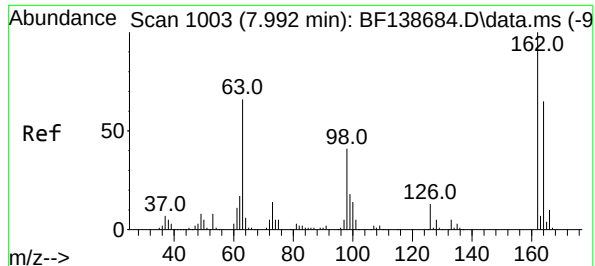
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.8

123 10.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 5.058 ng

RT: 7.987 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

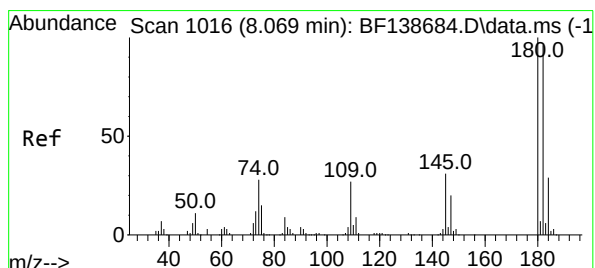
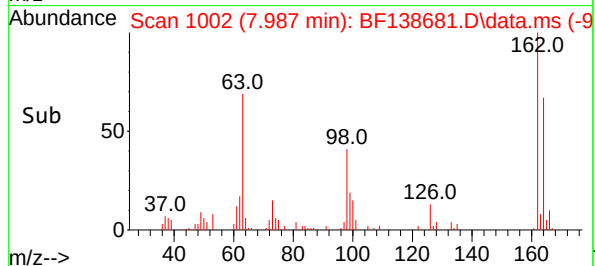
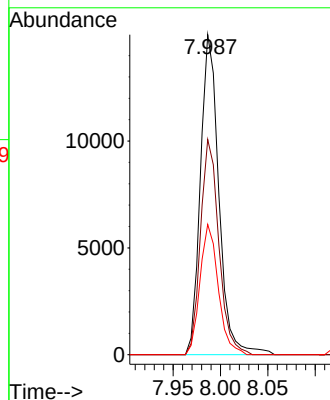
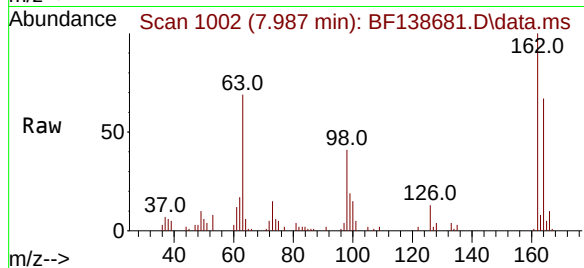
Tgt Ion:162 Resp: 20263

Ion Ratio Lower Upper

162 100

164 67.2 44.7 84.7

98 40.7 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 5.414 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

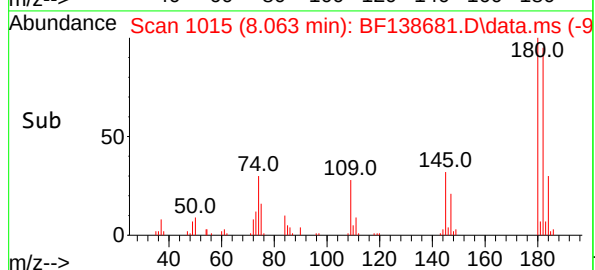
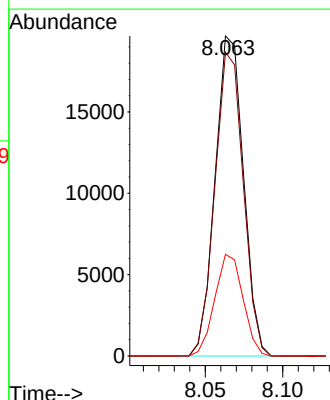
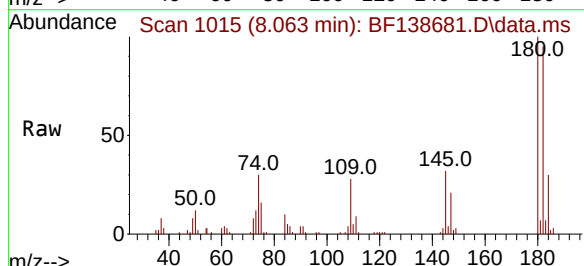
Tgt Ion:180 Resp: 25030

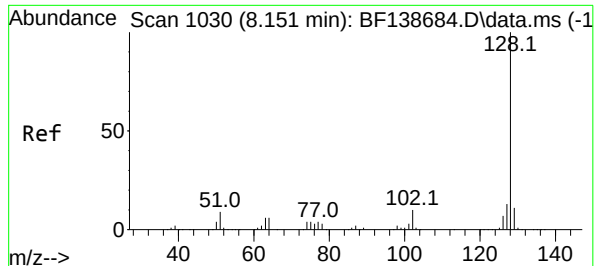
Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 31.7 25.0 37.4





#31

Naphthalene

Concen: 5.338 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

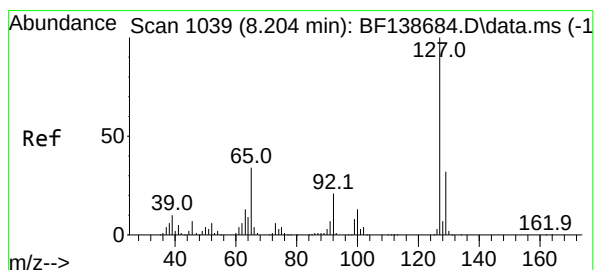
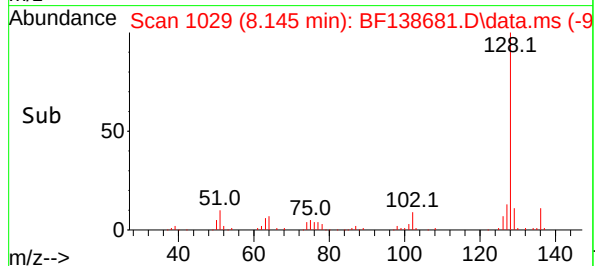
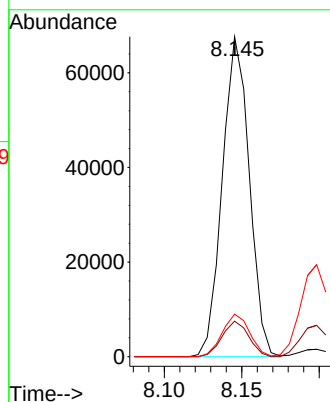
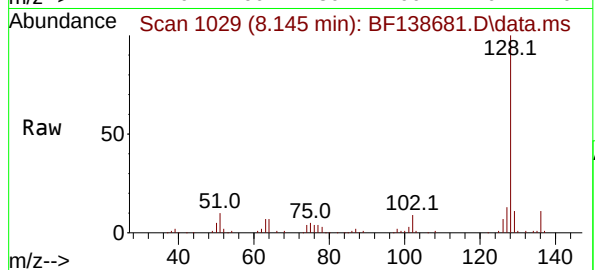
Tgt Ion:128 Resp: 81757

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.3 10.6 16.0



#33

4-Chloroaniline

Concen: 5.009 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Tgt Ion:127 Resp: 25753

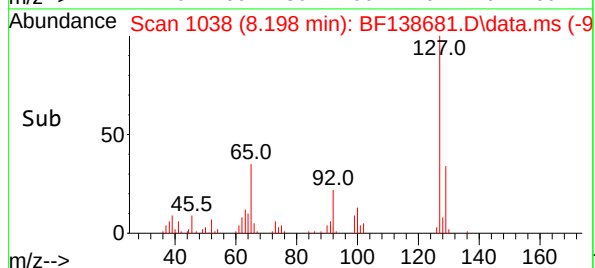
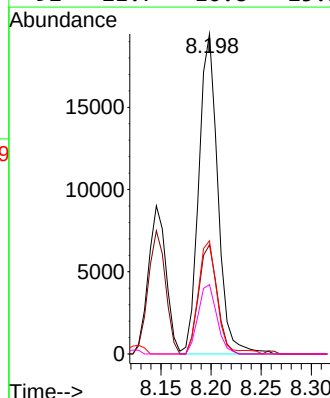
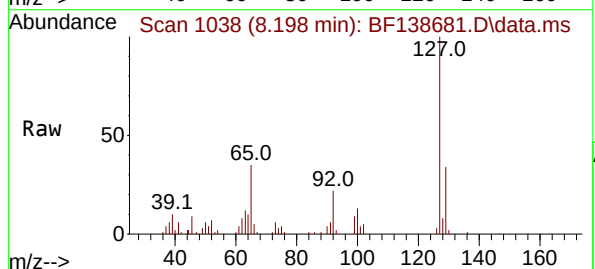
Ion Ratio Lower Upper

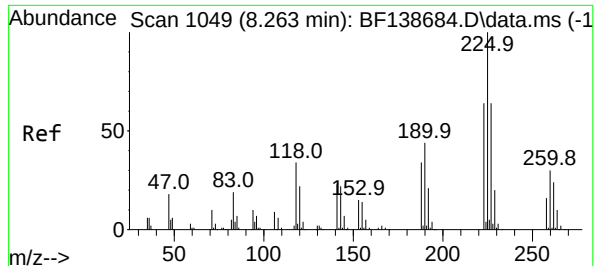
127 100

129 34.1 25.9 38.9

65 35.4 27.6 41.4

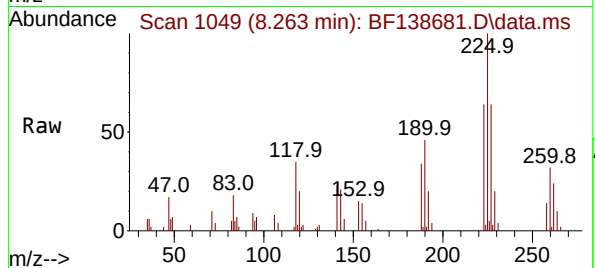
92 21.7 16.8 25.2



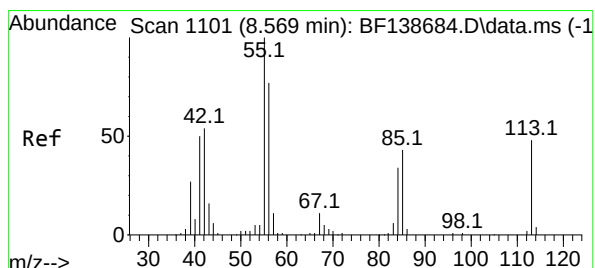
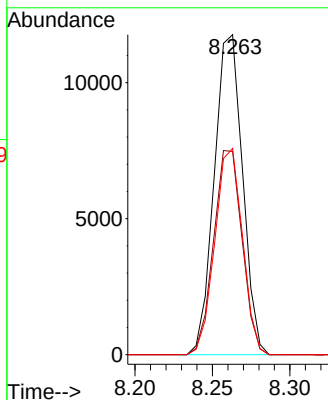
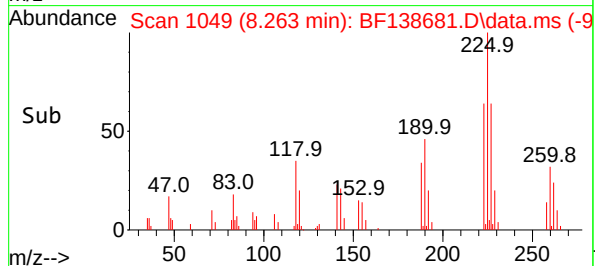


#34
Hexachlorobutadiene
Concen: 5.337 ng
RT: 8.263 min Scan# 1094
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

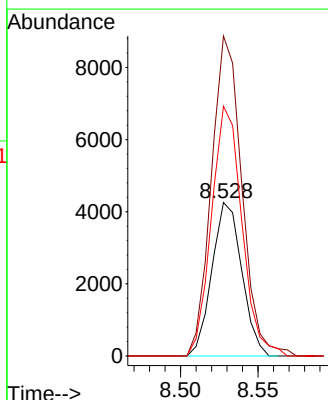
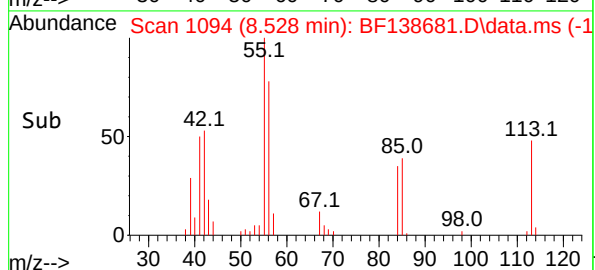
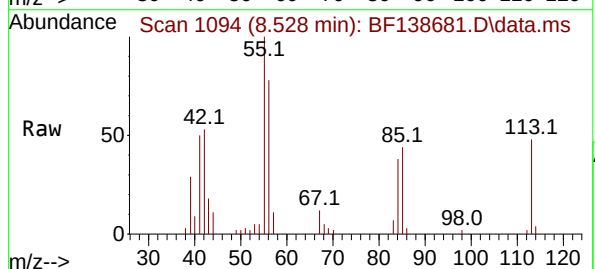


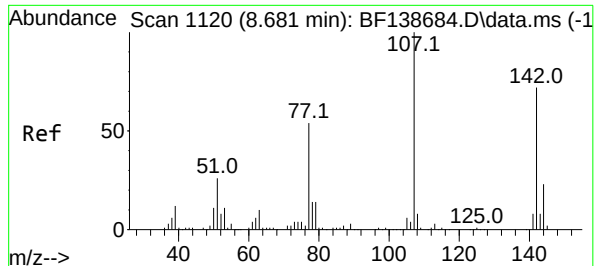
Tgt Ion:225 Resp: 14945
Ion Ratio Lower Upper
225 100
223 63.5 51.2 76.8
227 64.4 51.1 76.7



#35
Caprolactam
Concen: 4.763 ng
RT: 8.528 min Scan# 1094
Delta R.T. -0.041 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:113 Resp: 5694
Ion Ratio Lower Upper
113 100
55 208.6 186.7 226.7
56 162.7 138.9 178.9





#36

4-Chloro-3-methylphenol

Concen: 5.173 ng

RT: 8.681 min Scan# 1120

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

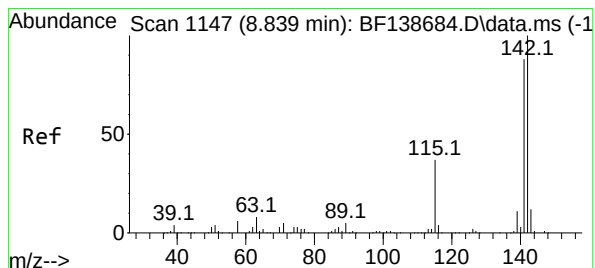
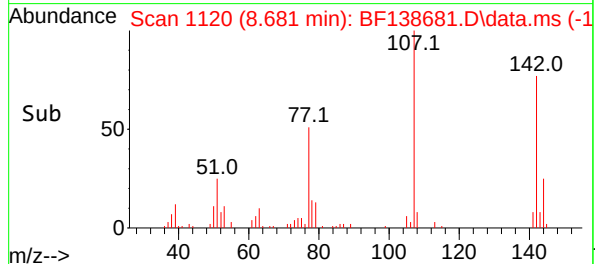
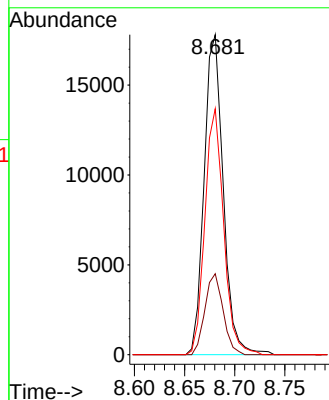
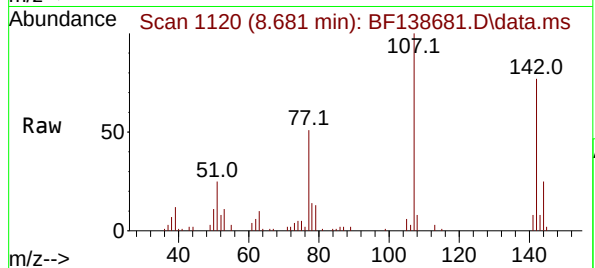
Tgt Ion:107 Resp: 23684

Ion Ratio Lower Upper

107 100

144 25.3 18.2 27.2

142 76.9 57.4 86.2



#37

2-Methylnaphthalene

Concen: 5.439 ng

RT: 8.834 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138681.D

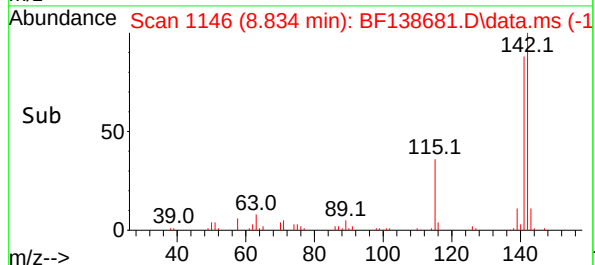
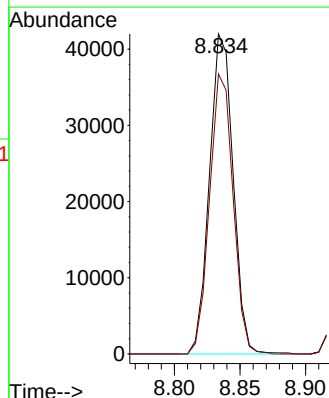
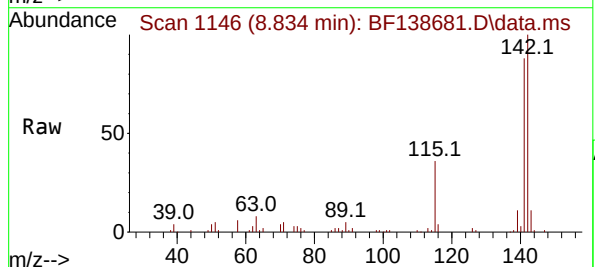
Acq: 30 Jul 2024 13:25

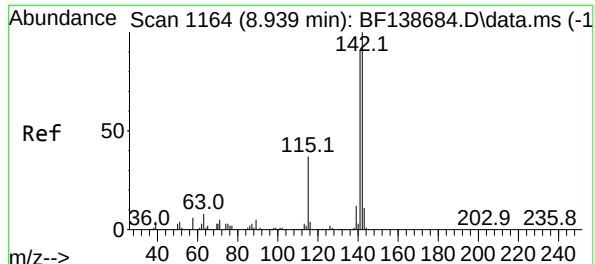
Tgt Ion:142 Resp: 52614

Ion Ratio Lower Upper

142 100

141 87.5 70.8 106.2





#38

1-Methylnaphthalene

Concen: 5.470 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

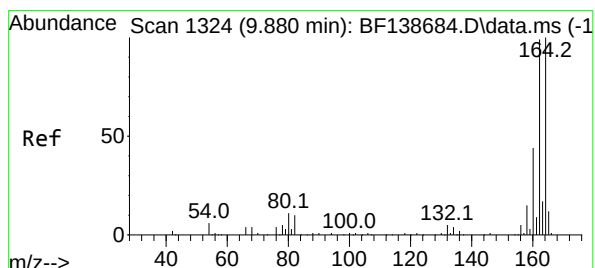
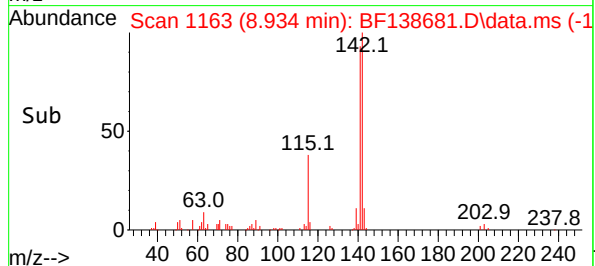
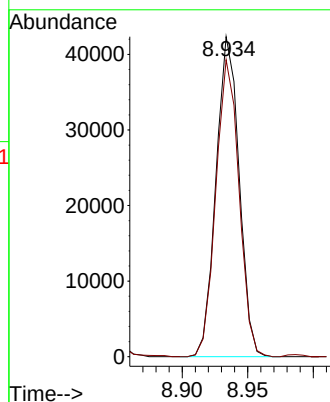
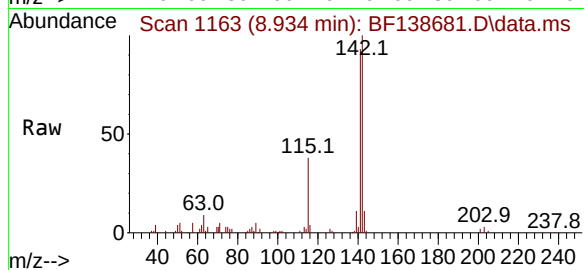
SSTDICC005

Tgt Ion:142 Resp: 51855

Ion Ratio Lower Upper

142 100

141 92.8 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1324

Delta R.T. 0.001 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

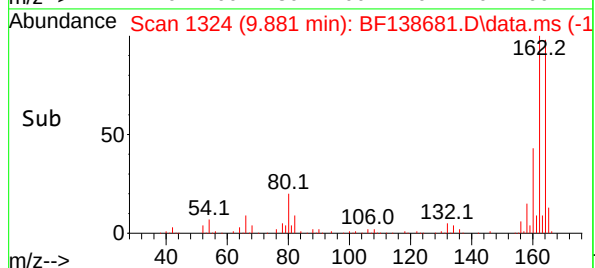
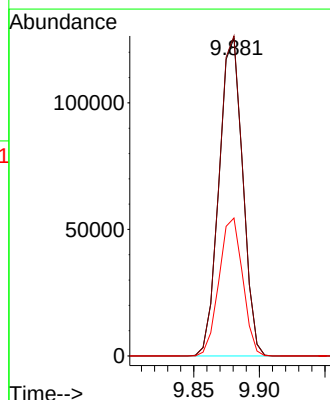
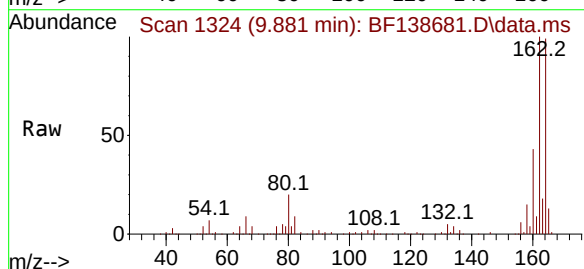
Tgt Ion:164 Resp: 157274

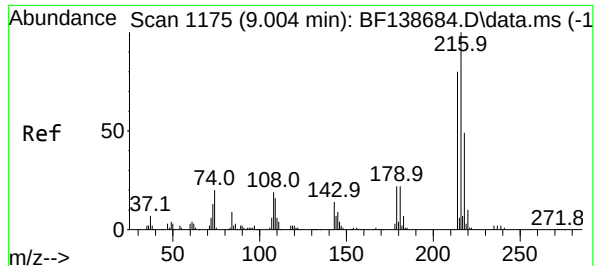
Ion Ratio Lower Upper

164 100

162 100.7 79.4 119.0

160 43.4 35.1 52.7





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.456 ng

RT: 8.998 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 23837

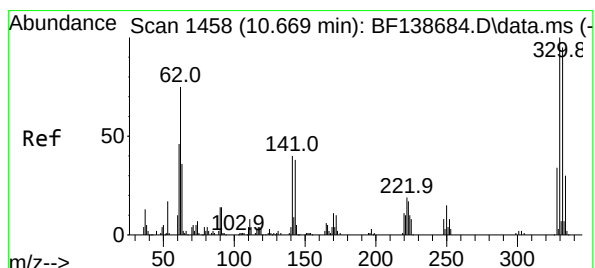
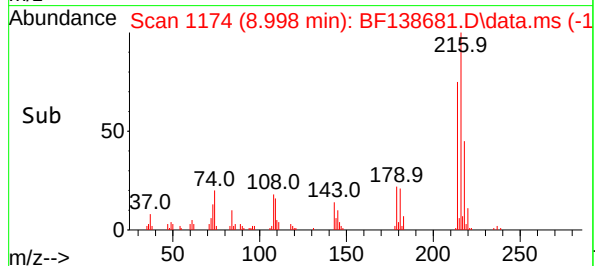
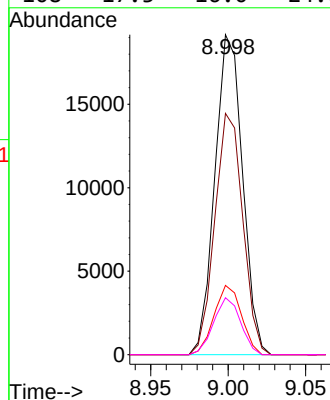
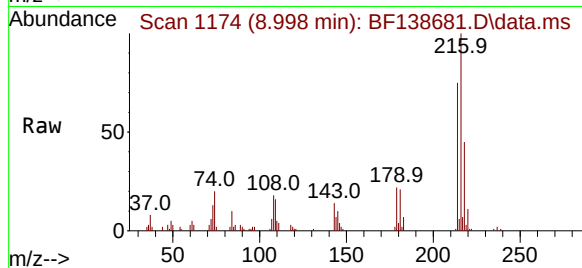
Ion Ratio Lower Upper

216 100

214 76.1 63.9 95.9

179 21.4 17.8 26.6

108 17.3 16.0 24.0



#42

2,4,6-Tribromophenol

Concen: 10.260 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

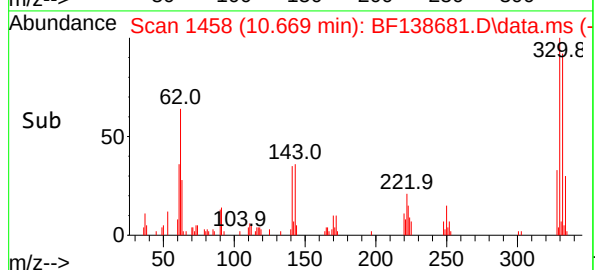
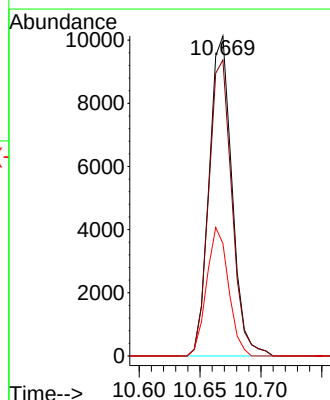
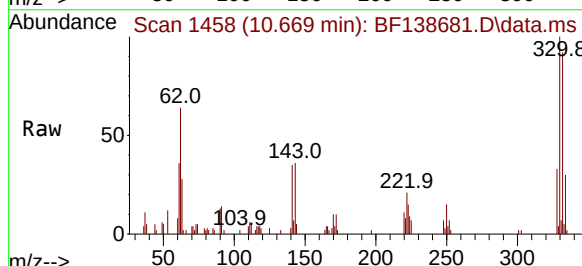
Tgt Ion:330 Resp: 13218

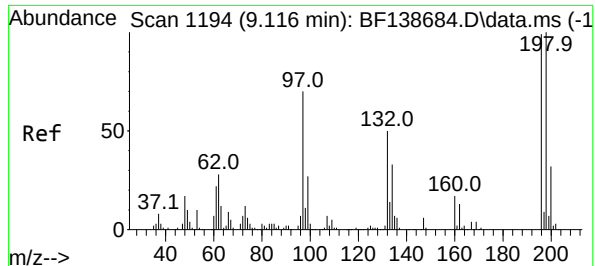
Ion Ratio Lower Upper

330 100

332 93.9 76.4 114.6

141 38.6 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 4.994 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF138681.D

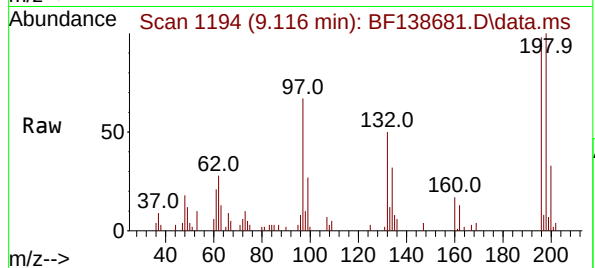
Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



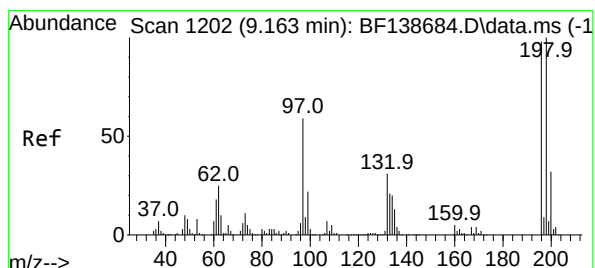
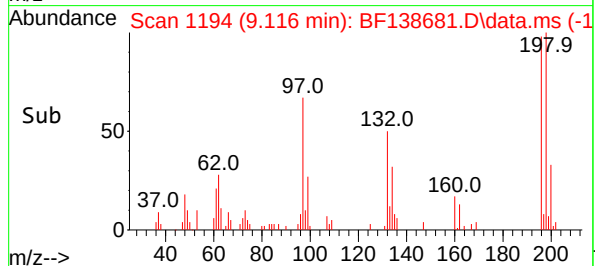
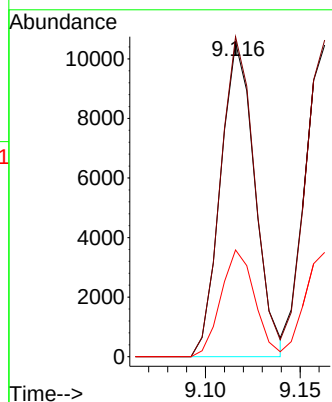
Tgt Ion:196 Resp: 13303

Ion Ratio Lower Upper

196 100

198 101.8 80.5 120.7

200 34.0 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 4.972 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Tgt Ion:196 Resp: 14479

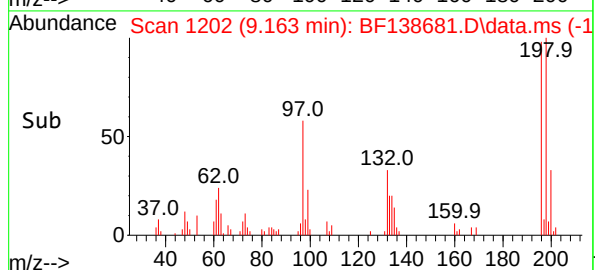
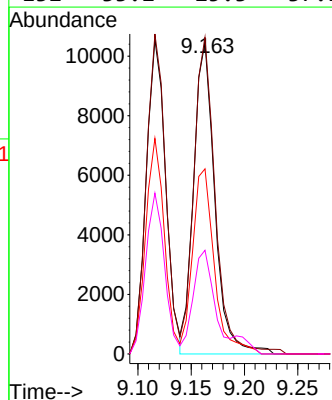
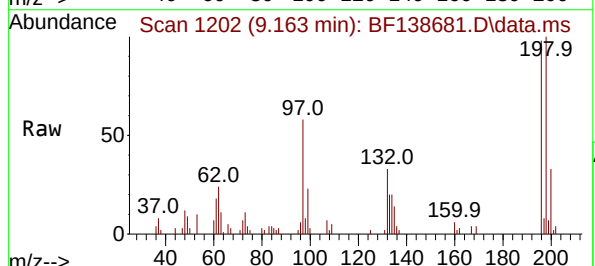
Ion Ratio Lower Upper

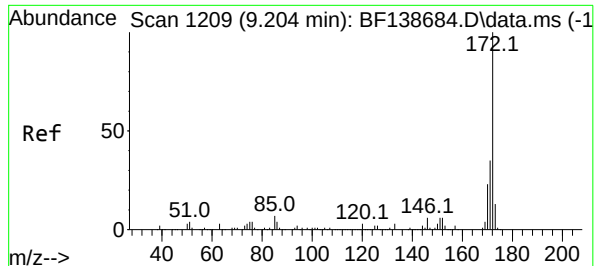
196 100

198 101.6 81.2 121.8

97 59.4 47.8 71.6

132 33.2 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 11.357 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

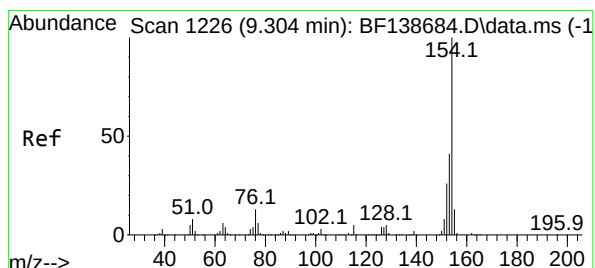
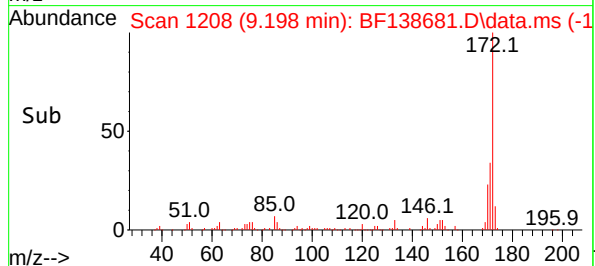
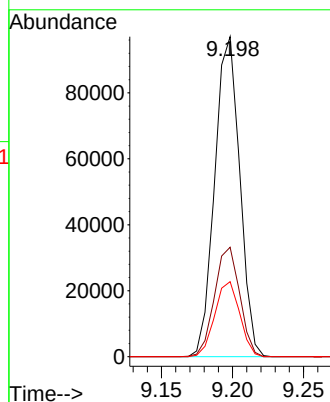
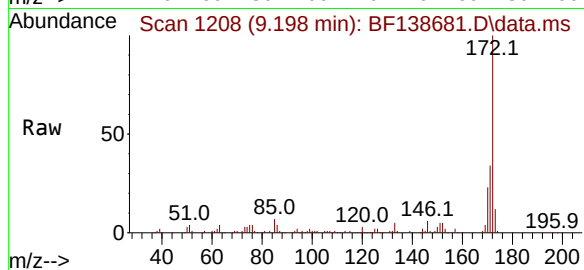
Tgt Ion:172 Resp: 118878

Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 5.471 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

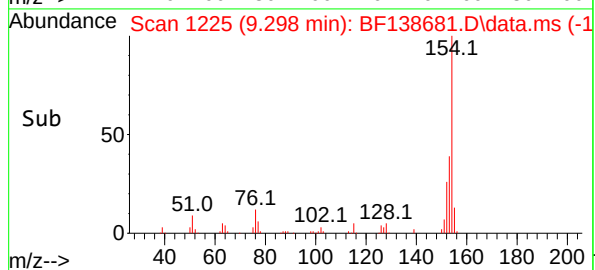
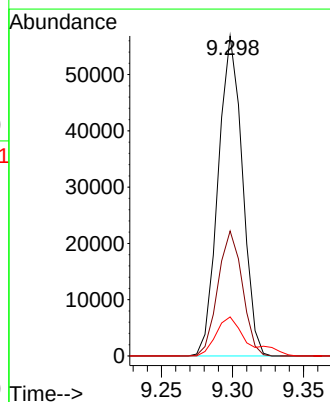
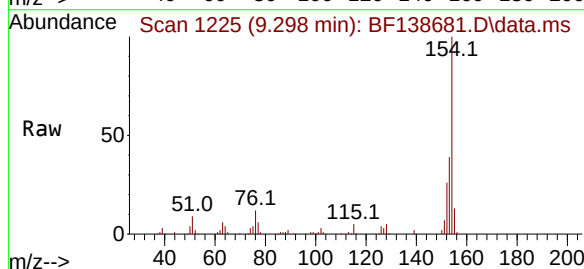
Tgt Ion:154 Resp: 67394

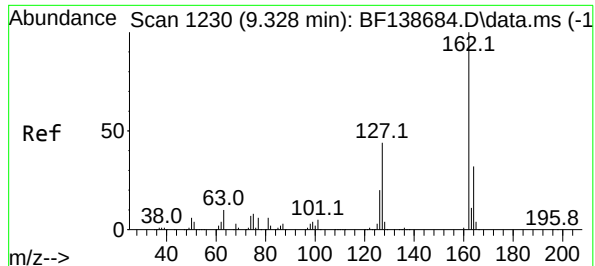
Ion Ratio Lower Upper

154 100

153 39.1 20.8 60.8

76 12.2 0.0 32.8





#47

2-Chloronaphthalene

Concen: 5.421 ng

RT: 9.322 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

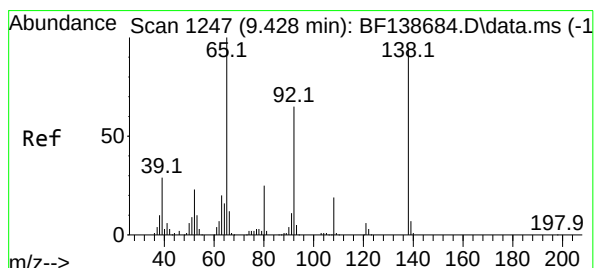
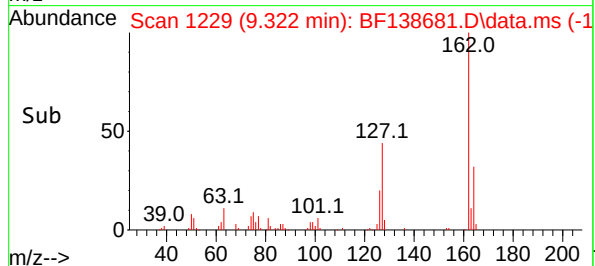
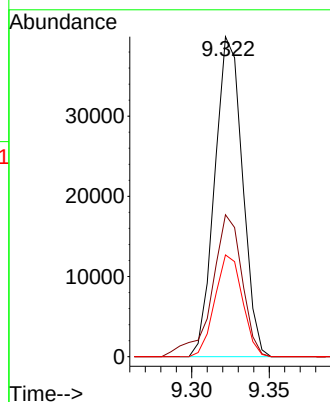
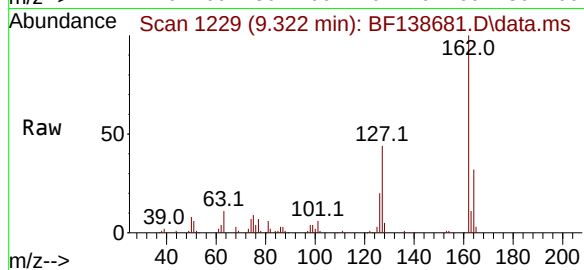
Tgt Ion:162 Resp: 49660

Ion Ratio Lower Upper

162 100

127 44.3 35.4 53.2

164 31.8 25.6 38.4



#48

2-Nitroaniline

Concen: 4.982 ng

RT: 9.422 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

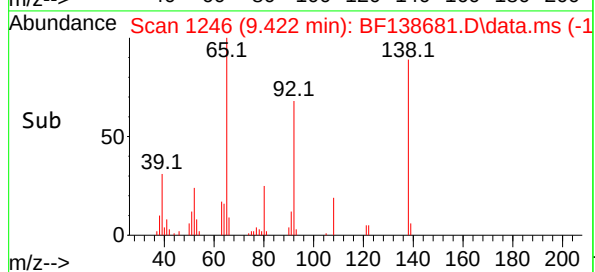
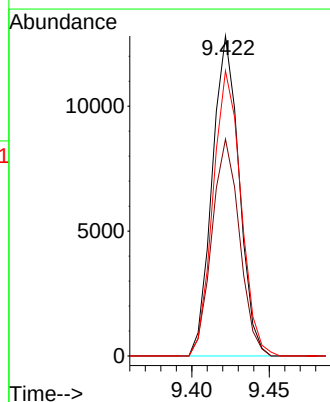
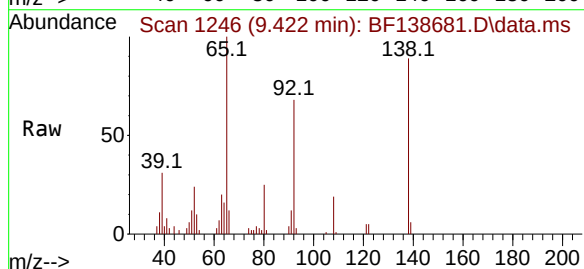
Tgt Ion: 65 Resp: 15473

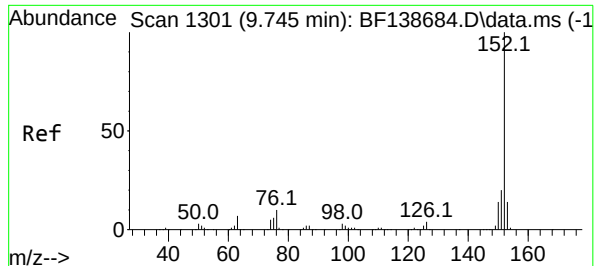
Ion Ratio Lower Upper

65 100

92 67.8 52.0 78.0

138 89.1 76.2 114.4





#49

Acenaphthylene

Concen: 5.435 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

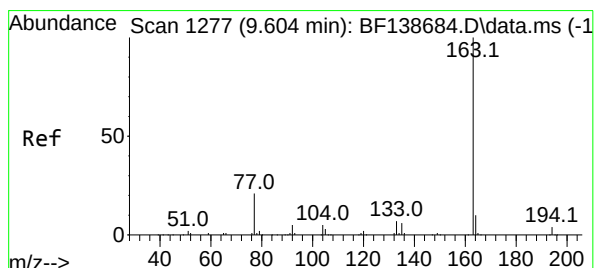
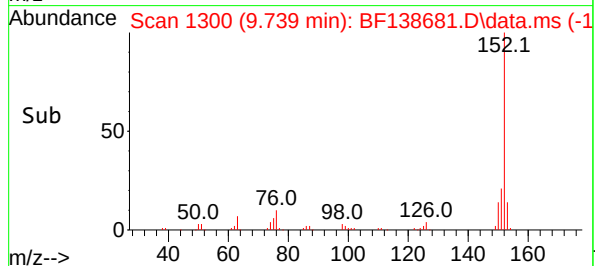
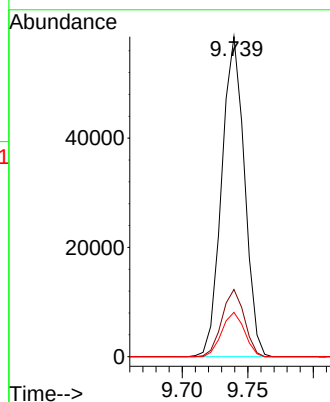
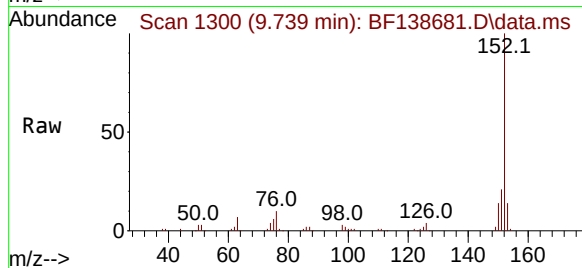
Tgt Ion:152 Resp: 70622

Ion Ratio Lower Upper

152 100

151 21.0 16.0 24.0

153 13.9 11.0 16.4



#50

Dimethylphthalate

Concen: 5.223 ng

RT: 9.592 min Scan# 1275

Delta R.T. -0.012 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

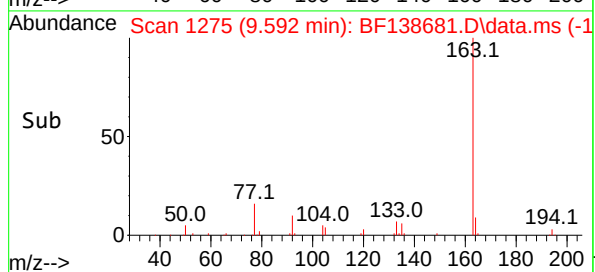
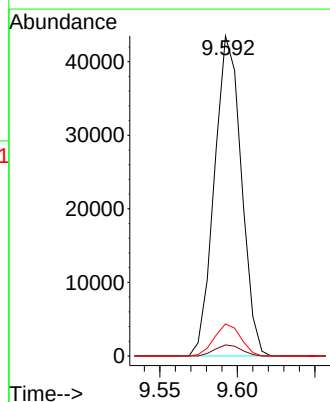
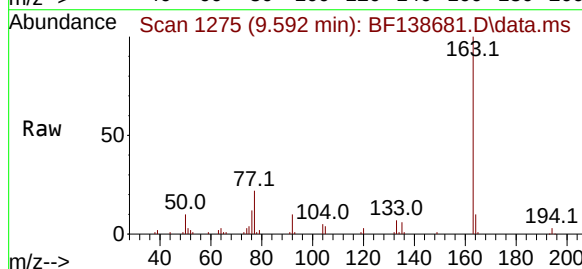
Tgt Ion:163 Resp: 52521

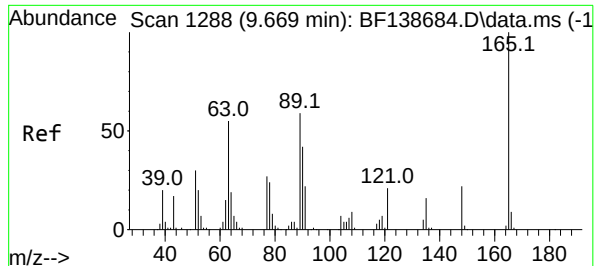
Ion Ratio Lower Upper

163 100

194 3.4 3.1 4.7

164 10.0 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 4.963 ng

RT: 9.663 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

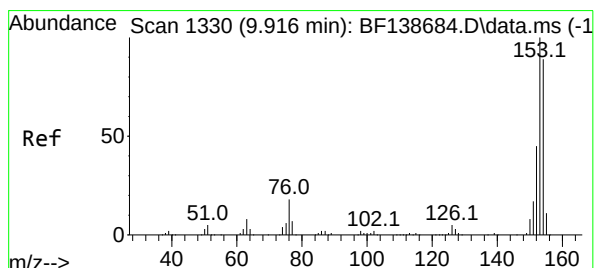
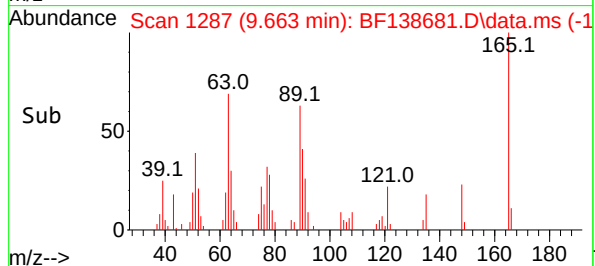
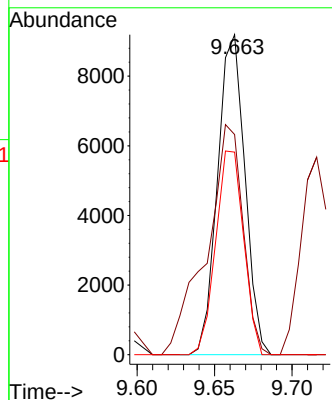
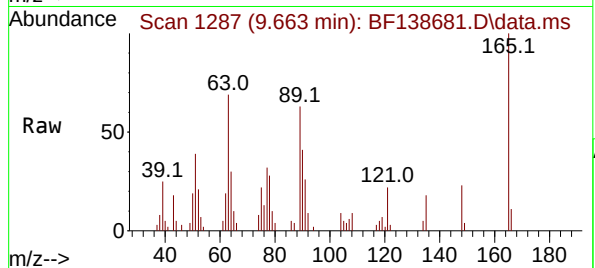
Tgt Ion:165 Resp: 11264

Ion Ratio Lower Upper

165 100

63 68.8 52.0 78.0

89 63.3 47.0 70.6



#52

Acenaphthene

Concen: 5.480 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

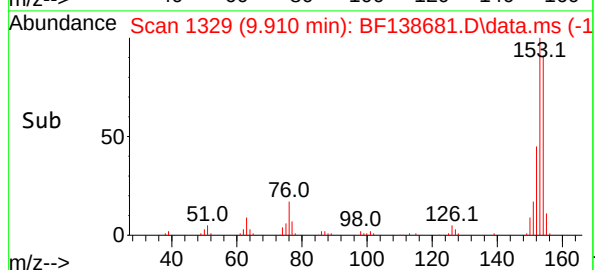
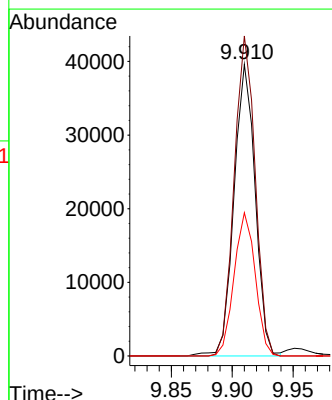
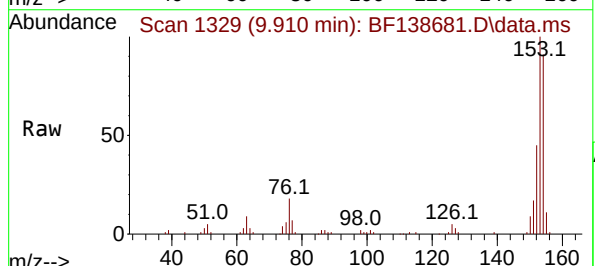
Tgt Ion:154 Resp: 47866

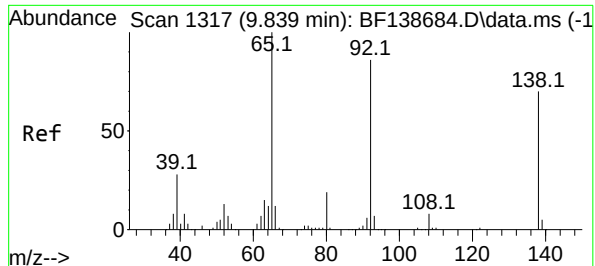
Ion Ratio Lower Upper

154 100

153 109.8 89.9 134.9

152 49.1 40.6 60.8





#53

3-Nitroaniline

Concen: 5.167 ng

RT: 9.833 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

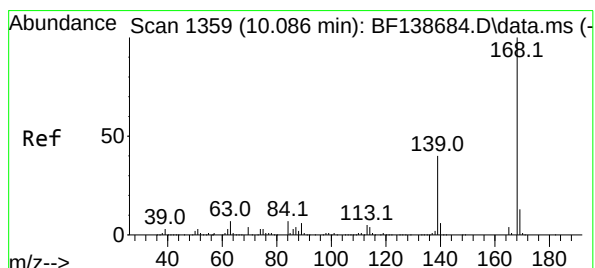
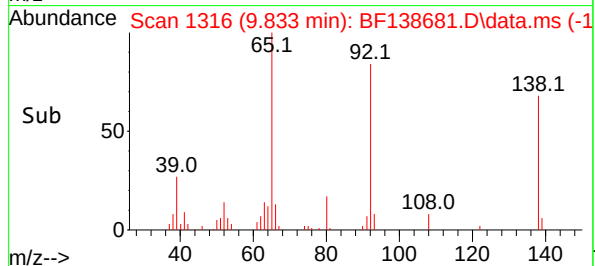
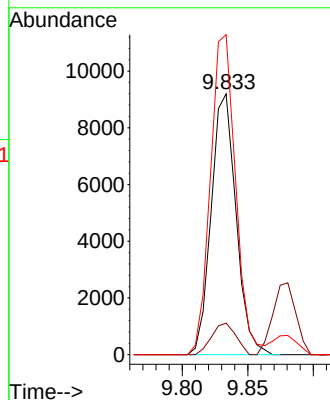
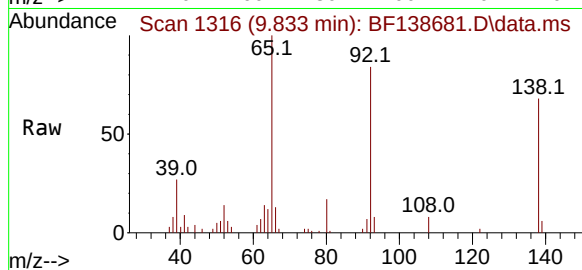
Tgt Ion:138 Resp: 12123

Ion Ratio Lower Upper

138 100

108 12.1 9.1 13.7

92 122.7 98.7 148.1



#55

Dibenzofuran

Concen: 5.515 ng

RT: 10.081 min Scan# 1358

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

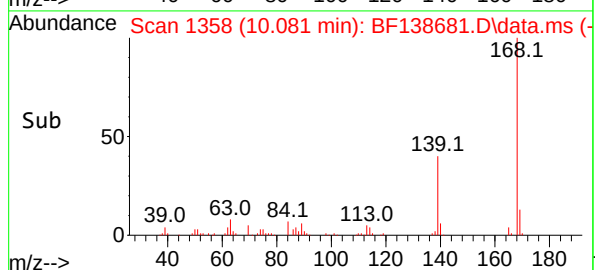
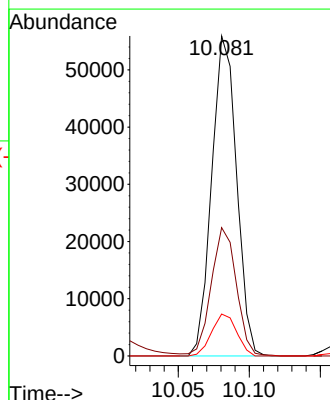
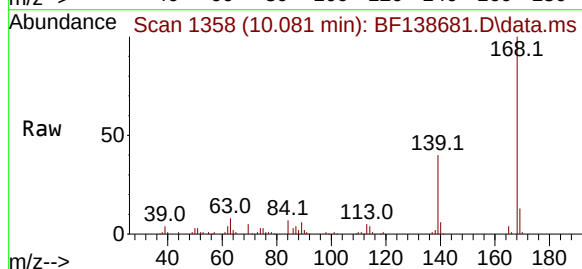
Tgt Ion:168 Resp: 67994

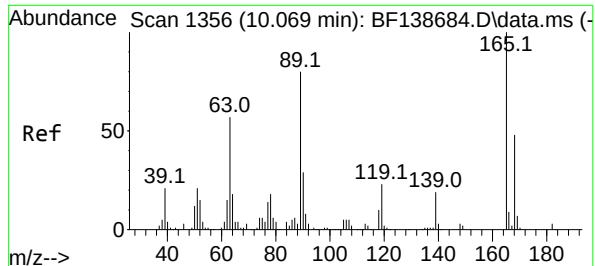
Ion Ratio Lower Upper

168 100

139 40.1 32.6 49.0

169 13.1 10.7 16.1

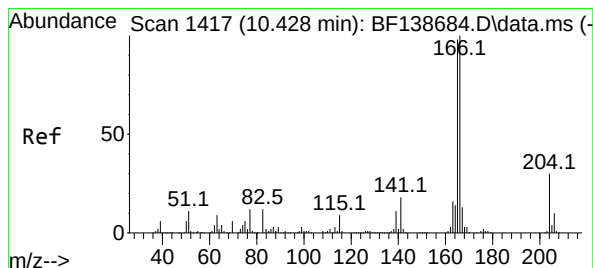
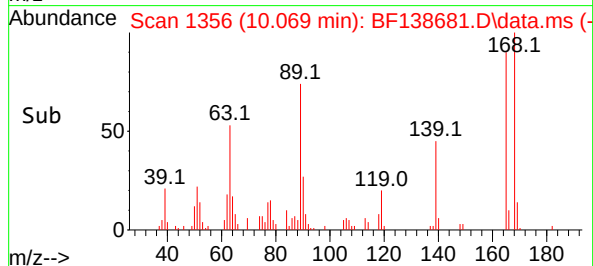
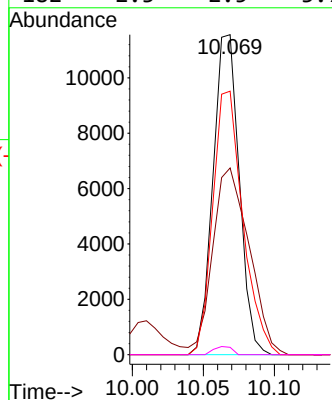
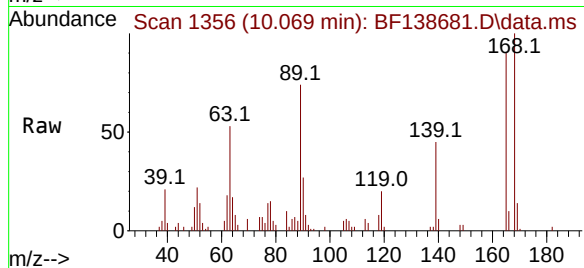




#57
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

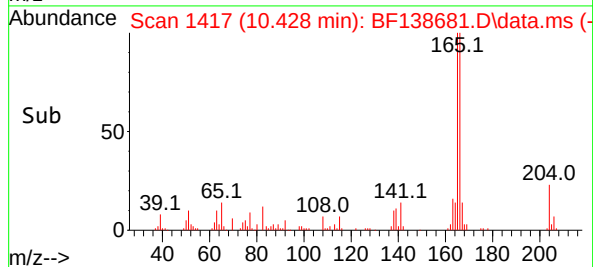
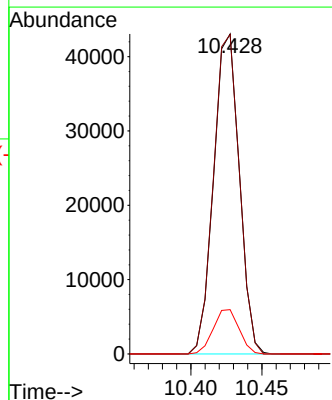
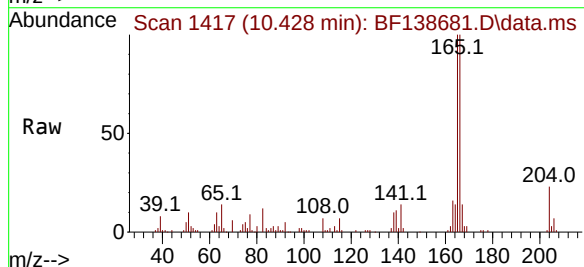
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

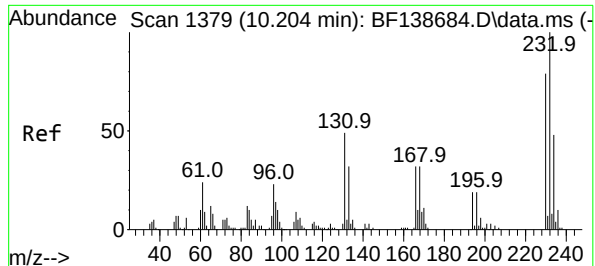
Tgt Ion:165 Resp: 14816
Ion Ratio Lower Upper
165 100
63 58.4 46.3 69.5
89 82.4 64.2 96.4
182 2.3 2.5 3.7#



#58
Fluorene
Concen: 5.504 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:166 Resp: 54036
Ion Ratio Lower Upper
166 100
165 99.9 78.4 117.6
167 13.8 10.6 16.0

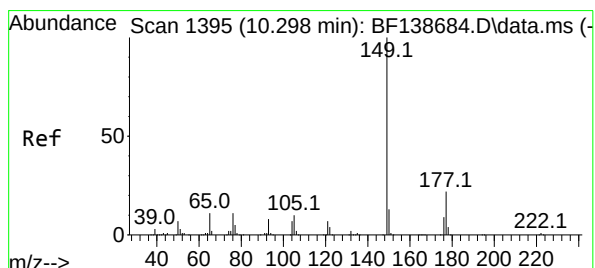
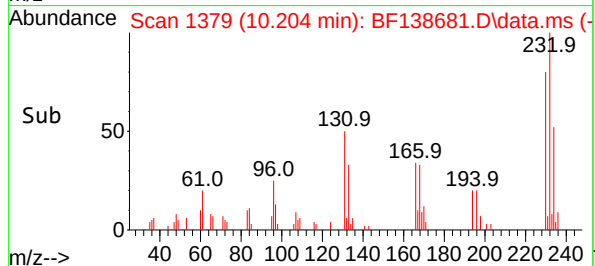
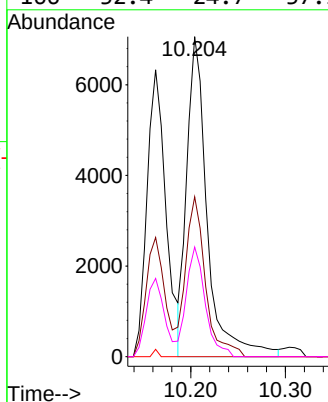
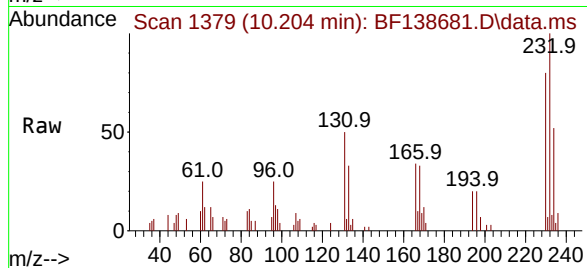




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.765 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

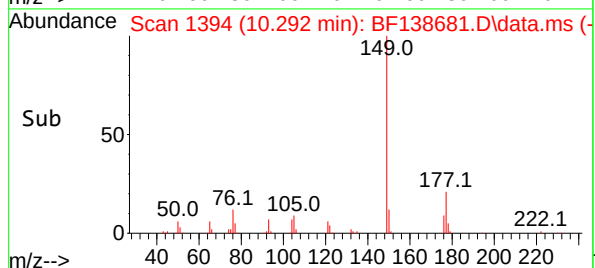
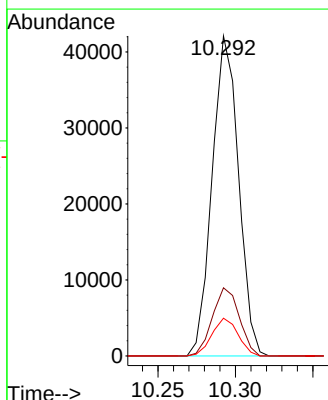
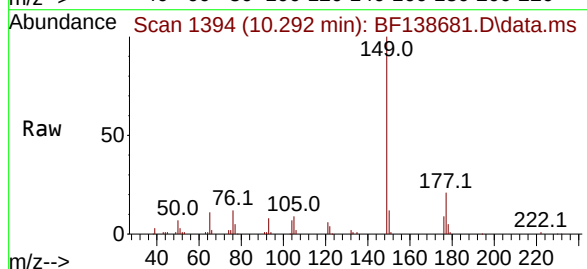
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

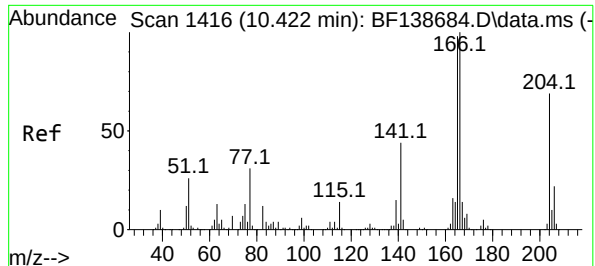
Tgt Ion:232 Resp: 10608
Ion Ratio Lower Upper
232 100
131 49.5 37.0 55.4
130 0.0 2.0 3.0#
166 32.4 24.7 37.1



#60
Diethylphthalate
Concen: 5.228 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:149 Resp: 49851
Ion Ratio Lower Upper
149 100
177 21.3 17.8 26.8
150 11.8 10.1 15.1

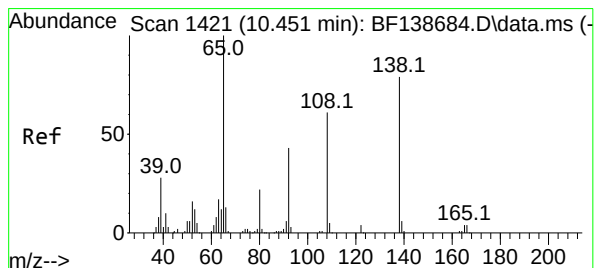
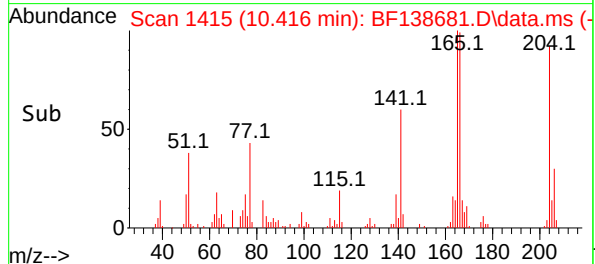
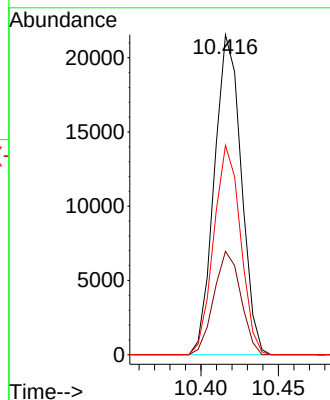
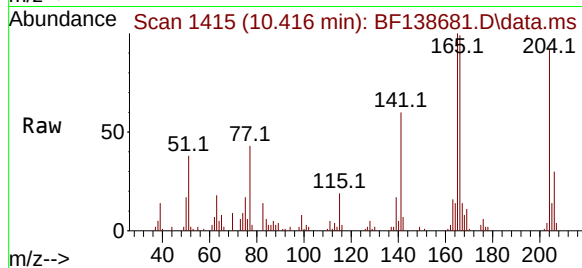




#61
4-Chlorophenyl-phenylether
Concen: 5.389 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

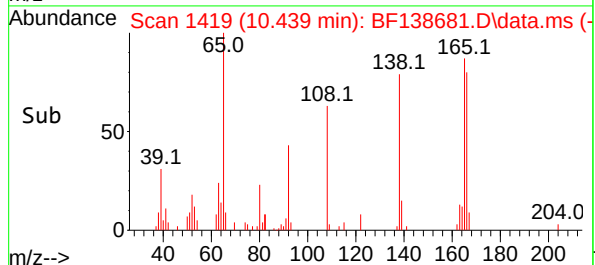
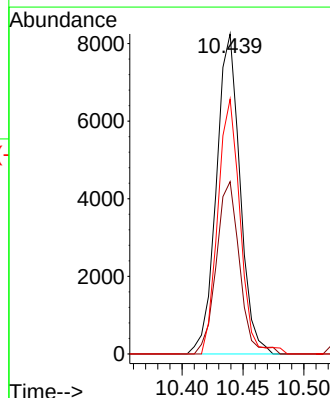
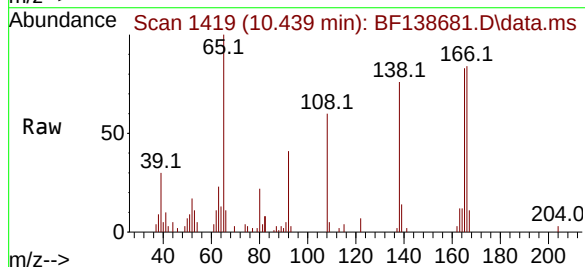
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

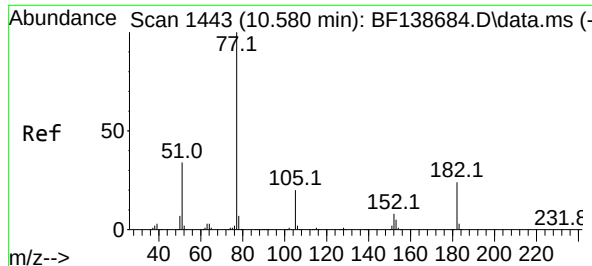
Tgt Ion:	204	Resp:	26020
Ion Ratio	Lower	Upper	
204	100		
206	32.3	26.1	39.1
141	65.5	51.4	77.0



#62
4-Nitroaniline
Concen: 5.004 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:	138	Resp:	11156
Ion Ratio	Lower	Upper	
138	100		
92	53.8	34.2	74.2
108	79.7	56.2	96.2

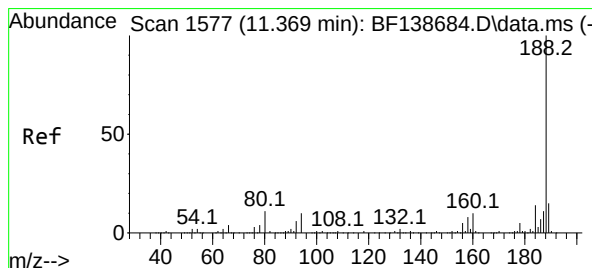
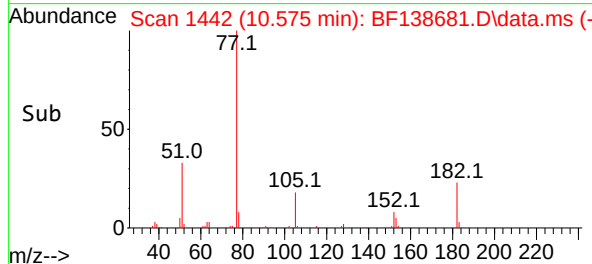
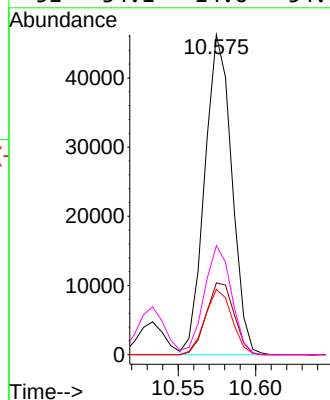
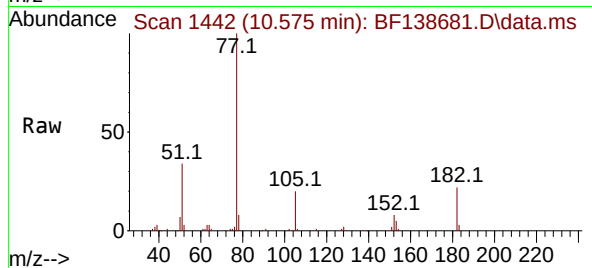




#63
Azobenzene
Concen: 5.304 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

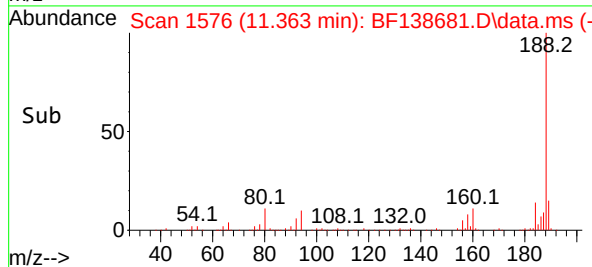
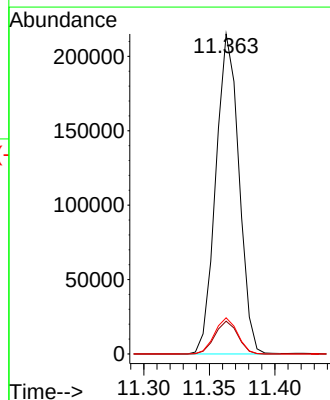
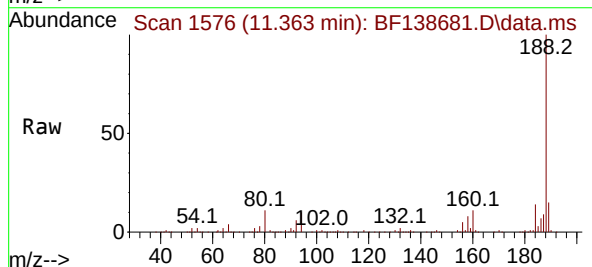
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

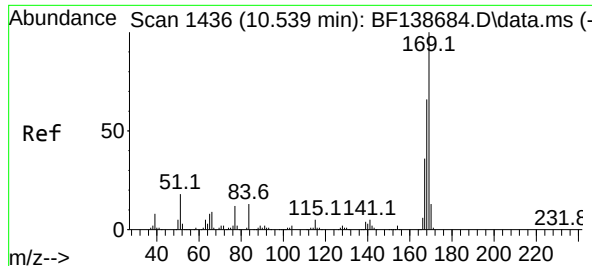
Tgt Ion: 77	Resp: 56096
Ion Ratio	Lower Upper
77 100	
182 22.5	3.4 43.4
105 20.4	0.2 40.2
51 34.1	14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 188	Resp: 264044
Ion Ratio	Lower Upper
188 100	
94 10.3	7.6 11.4
80 11.3	8.6 12.8

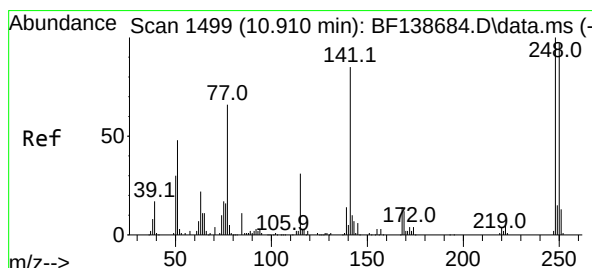
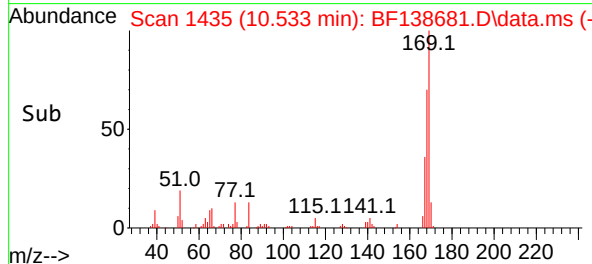
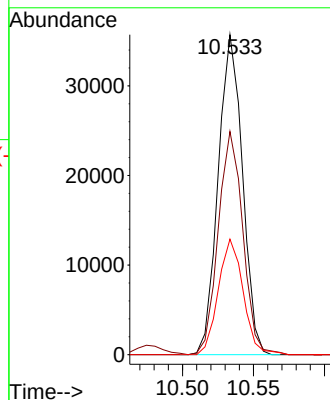
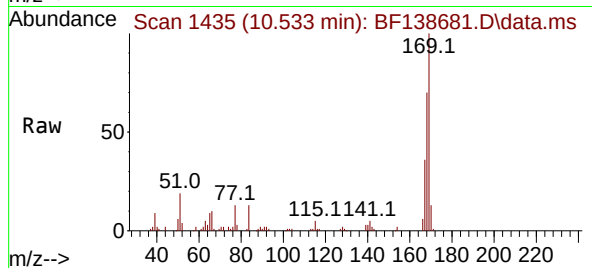




#66
n-Nitrosodiphenylamine
Concen: 5.138 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

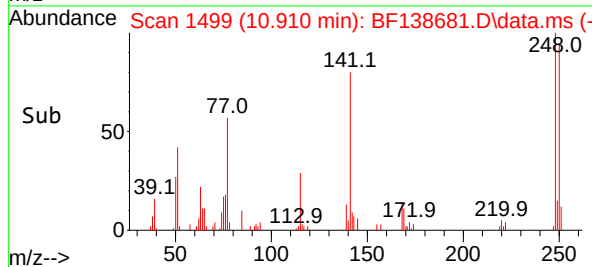
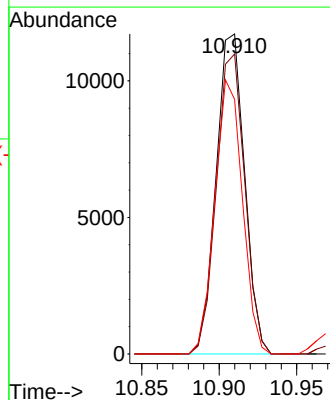
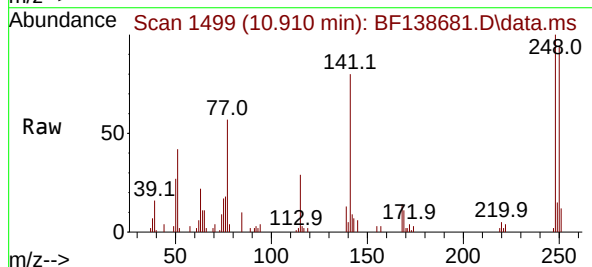
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

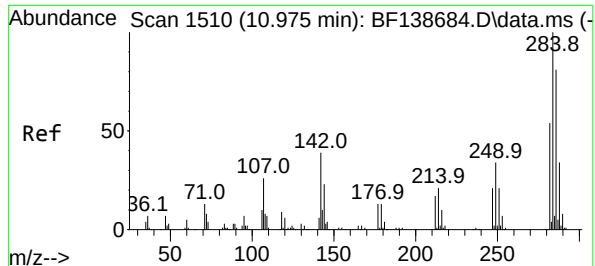
Tgt Ion:169 Resp: 42403
Ion Ratio Lower Upper
169 100
168 69.7 53.0 79.6
167 36.1 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:248 Resp: 14996
Ion Ratio Lower Upper
248 100
250 93.7 77.7 116.5
141 79.6 68.0 102.0

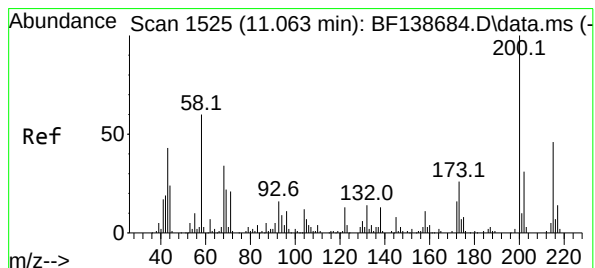
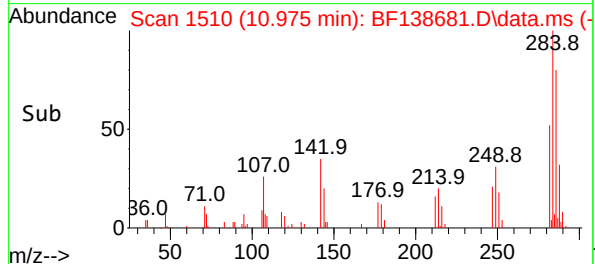
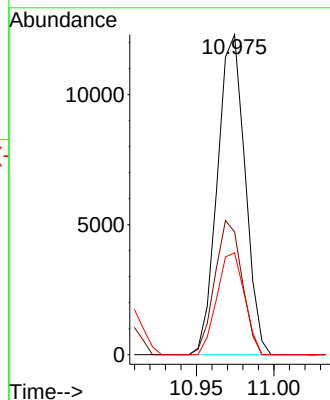
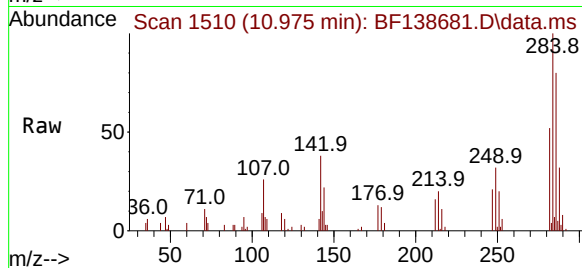




#68
Hexachlorobenzene
Concen: 5.173 ng
RT: 10.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

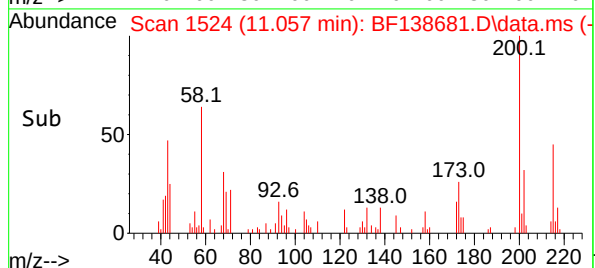
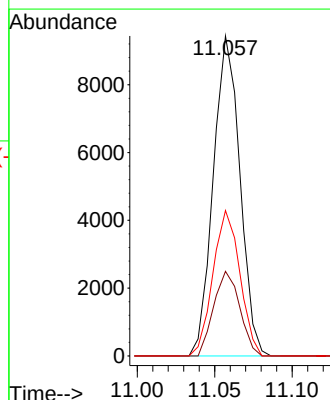
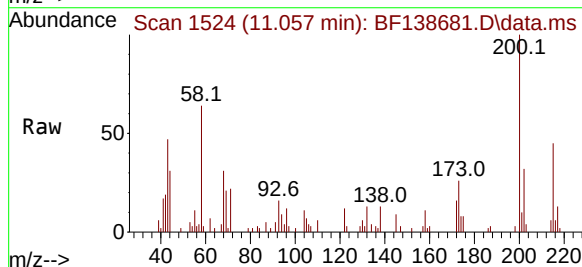
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

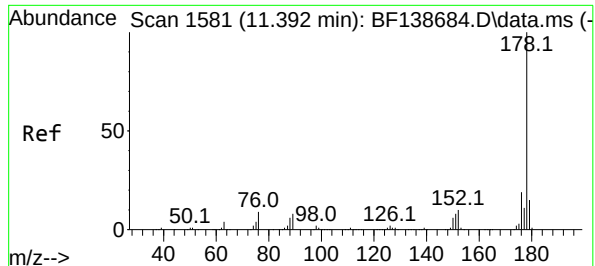
Tgt Ion:284 Resp: 15270
Ion Ratio Lower Upper
284 100
142 38.4 31.3 46.9
249 31.8 27.2 40.8



#69
Atrazine
Concen: 5.286 ng
RT: 11.057 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:200 Resp: 11256
Ion Ratio Lower Upper
200 100
173 26.4 6.0 46.0
215 45.4 26.1 66.1

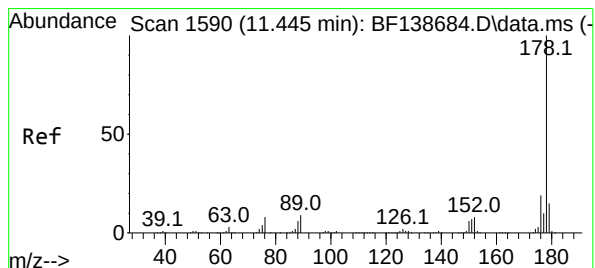
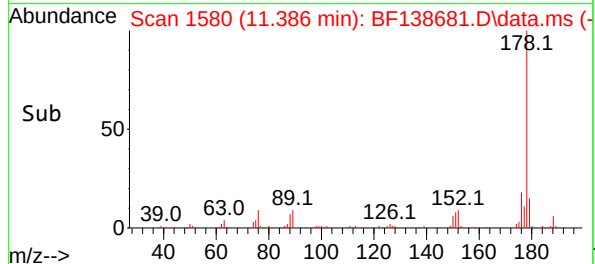
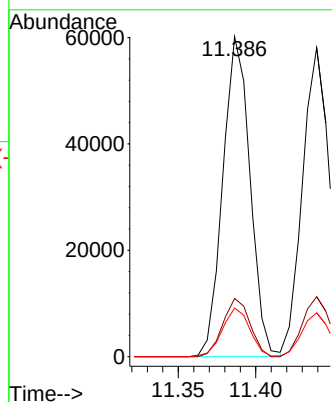
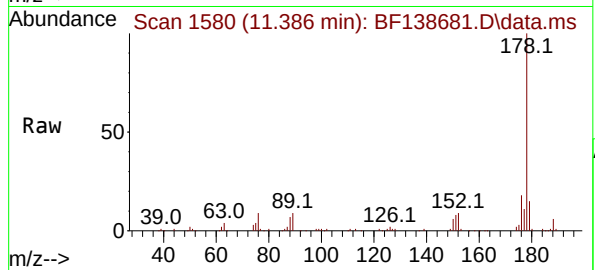




#71
Phenanthrene
Concen: 5.401 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

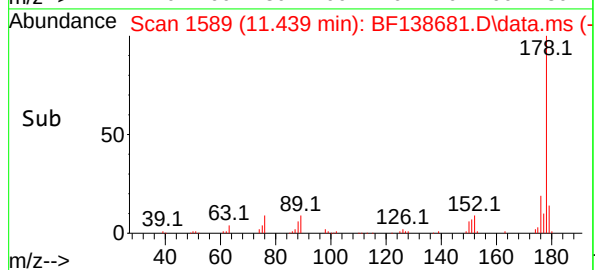
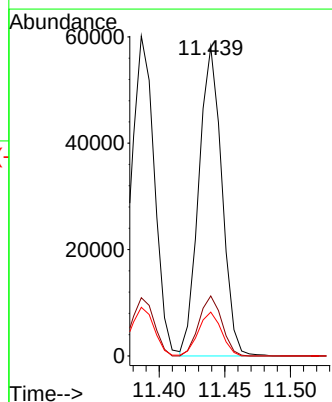
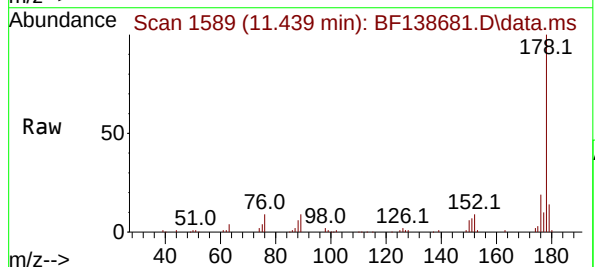
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

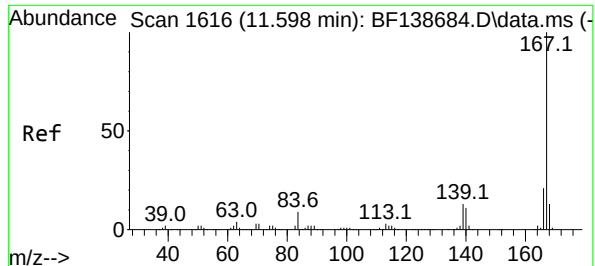
Tgt Ion:178 Resp: 73432
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.2 12.2 18.2



#72
Anthracene
Concen: 5.332 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:178 Resp: 71415
Ion Ratio Lower Upper
178 100
176 19.4 14.9 22.3
179 14.2 12.4 18.6

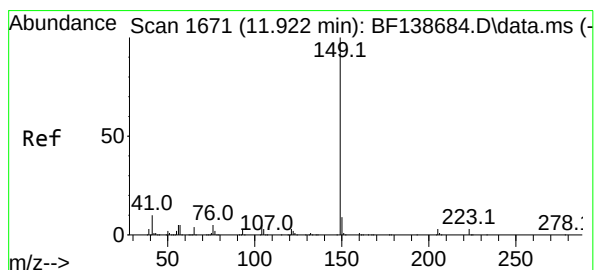
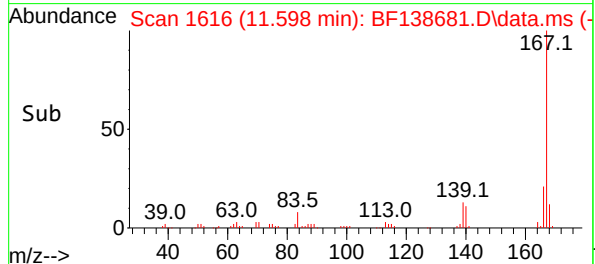
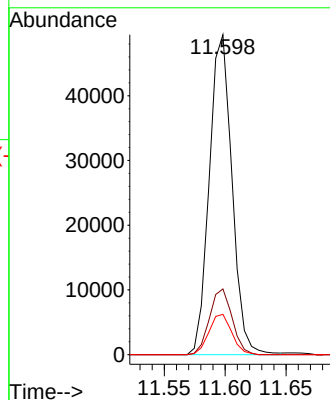
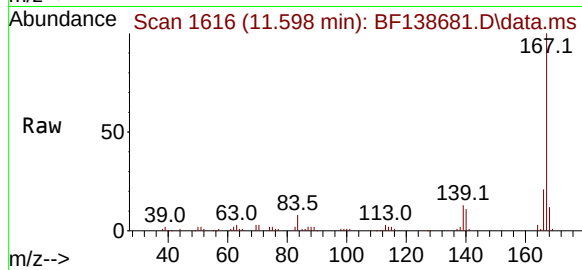




#73
Carbazole
Concen: 5.541 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

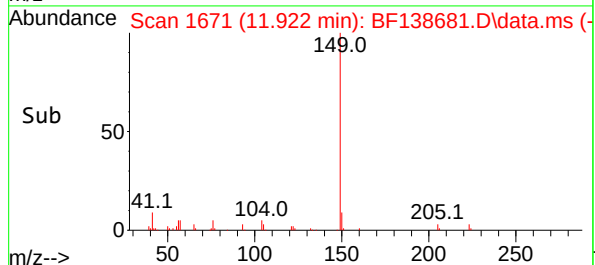
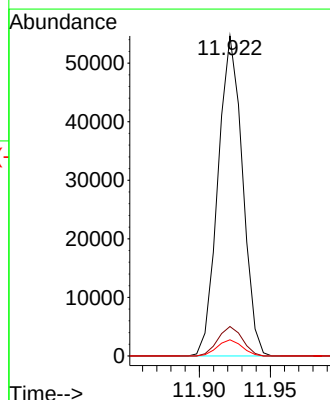
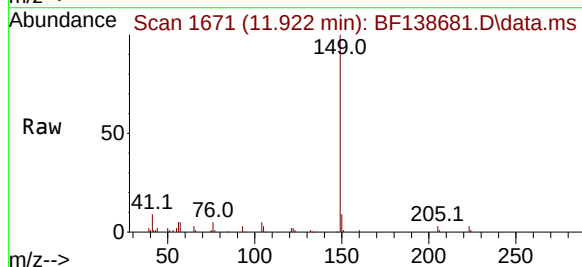
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

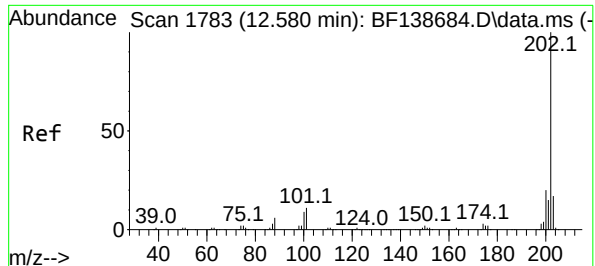
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.2	25.8
139	12.6	10.6	16.0



#74
Di-n-butylphthalate
Concen: 5.034 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.0	4.1	6.1

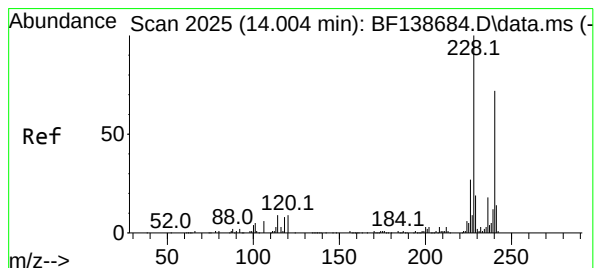
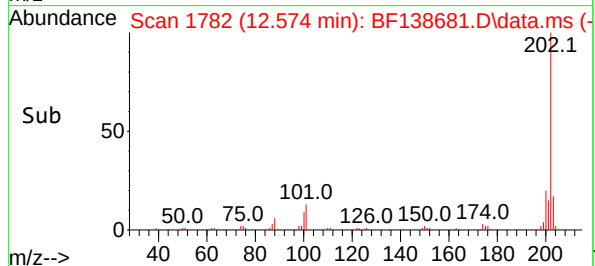
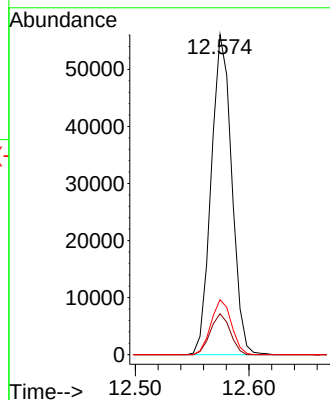
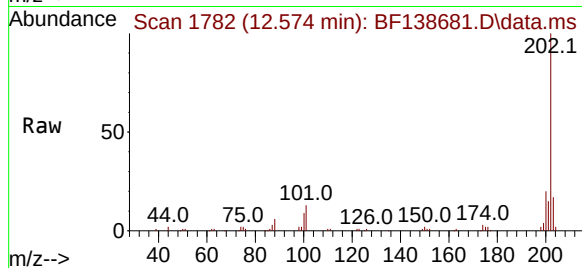




#75
Fluoranthene
Concen: 5.554 ng
RT: 12.574 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

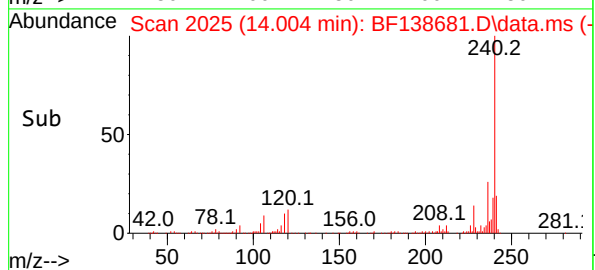
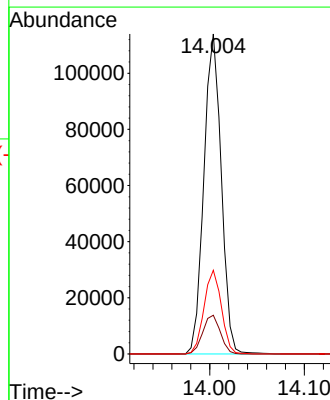
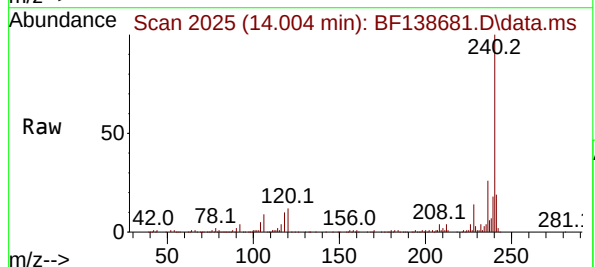
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

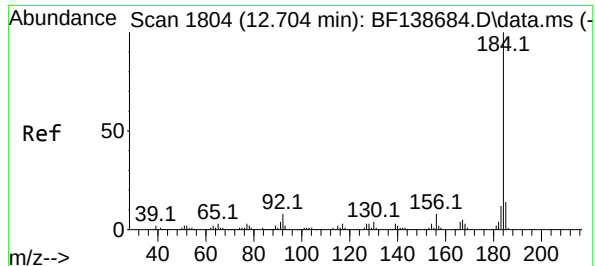
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.2
203	17.2	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.2	15.4
236	26.2	19.8	29.8





#77

Benzidine

Concen: 5.129 ng

RT: 12.704 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

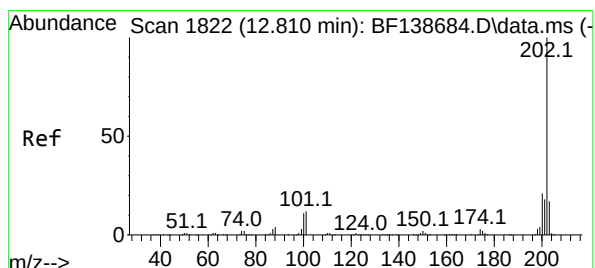
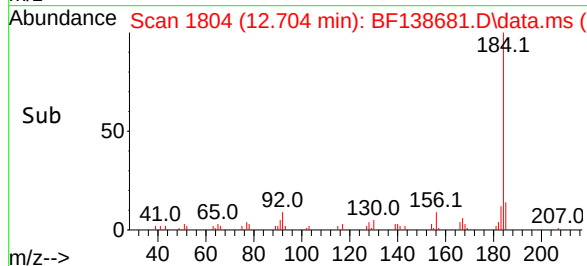
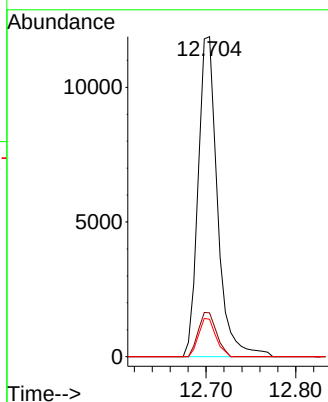
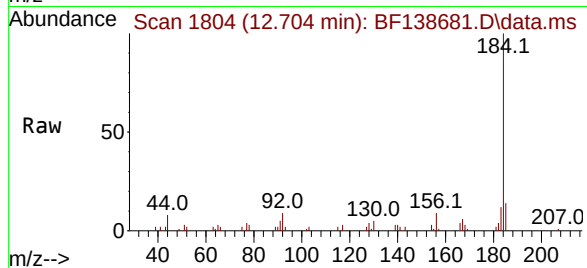
Tgt Ion:184 Resp: 17784

Ion Ratio Lower Upper

184 100

185 13.7 11.1 16.7

183 11.7 9.6 14.4



#78

Pyrene

Concen: 5.253 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

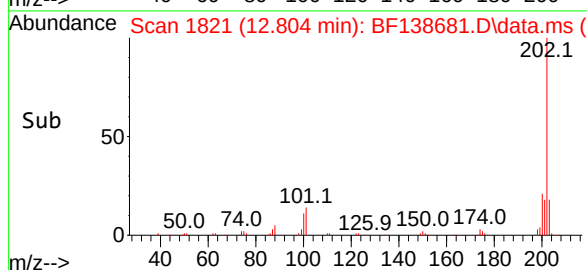
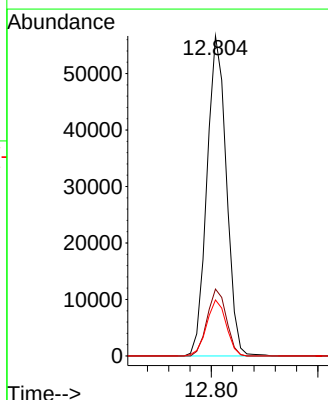
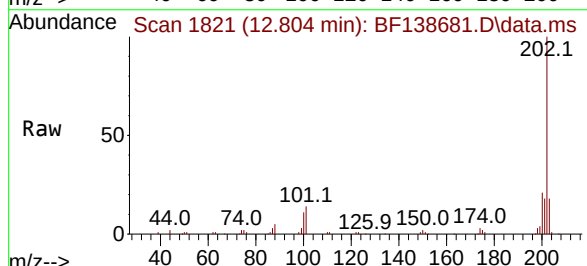
Tgt Ion:202 Resp: 71695

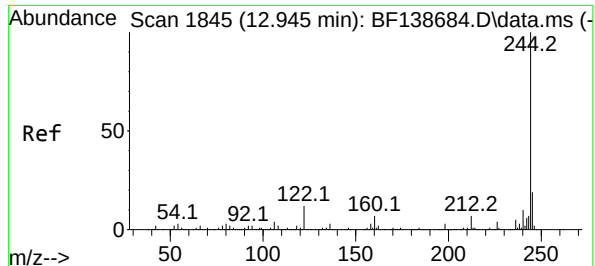
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

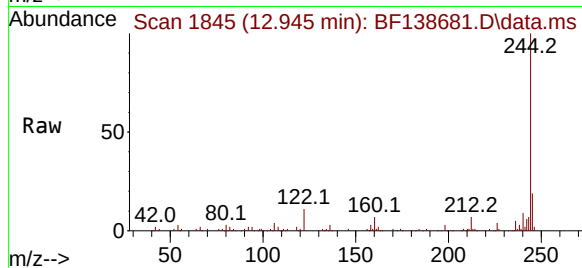
203 17.5 13.8 20.6



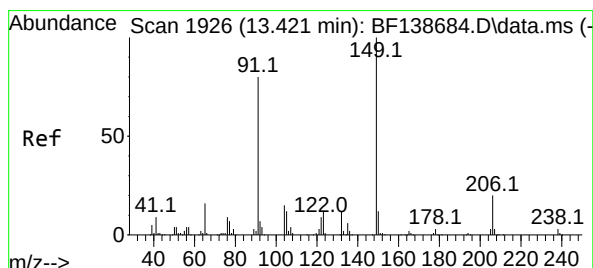
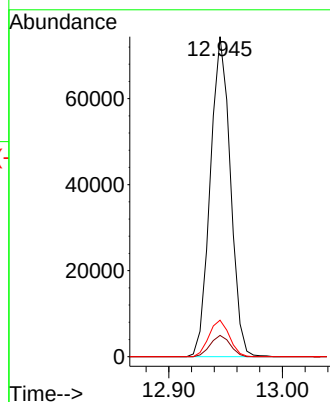
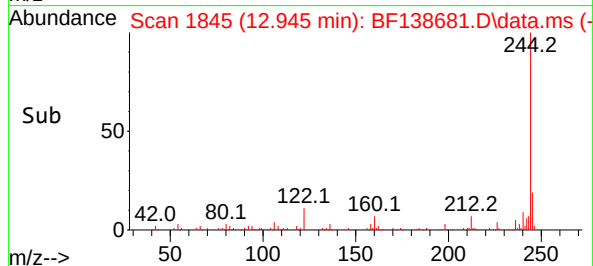


#79
Terphenyl-d14
Concen: 10.581 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

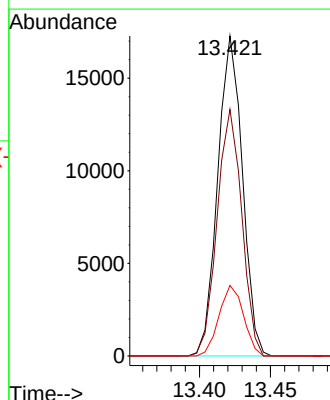
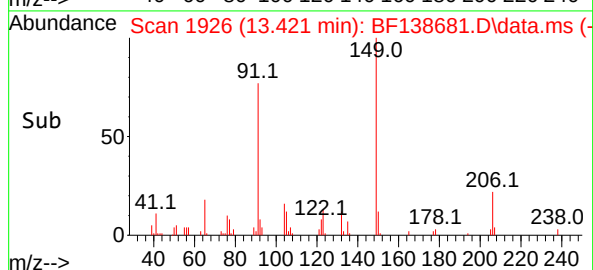
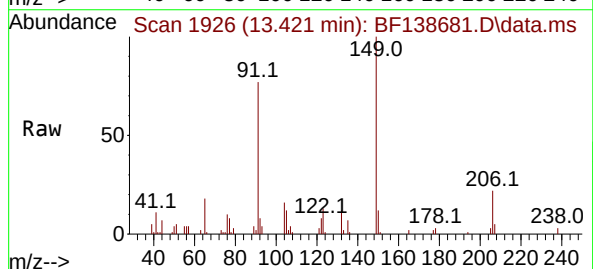


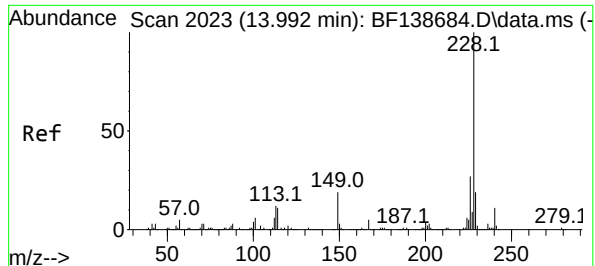
Tgt Ion:244 Resp: 91621
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 11.4 9.6 14.4



#80
Butylbenzylphthalate
Concen: 4.782 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:149 Resp: 20901
Ion Ratio Lower Upper
149 100
91 77.1 63.7 95.5
206 22.0 16.2 24.2

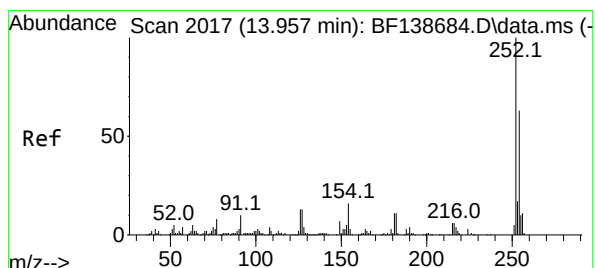
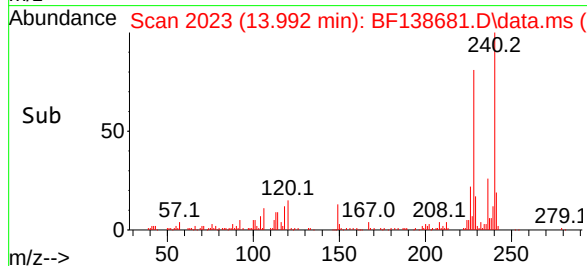
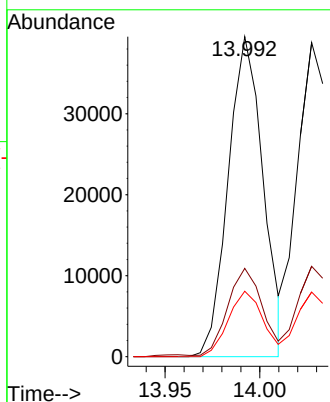
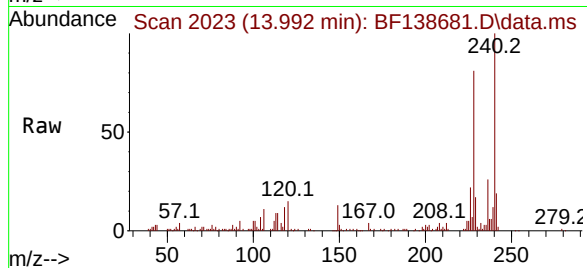




#81
Benzo(a)anthracene
Concen: 5.086 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

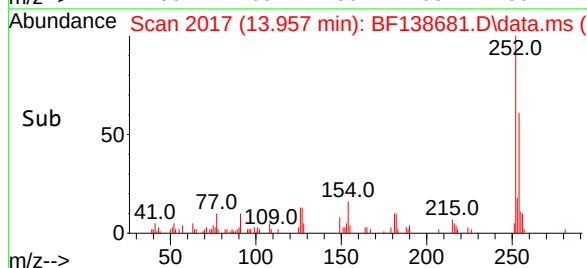
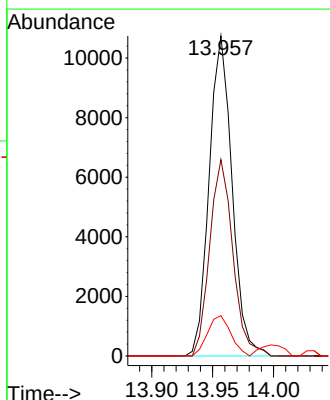
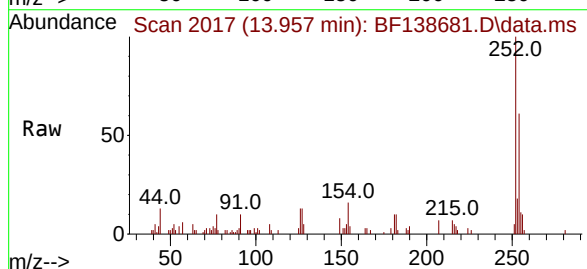
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

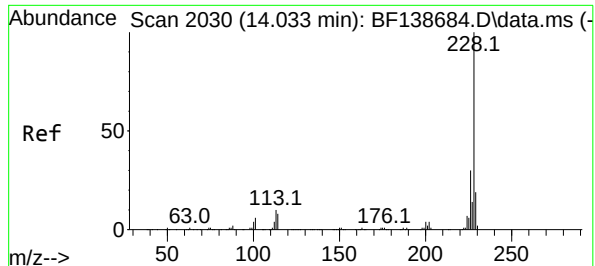
Tgt Ion:228 Resp: 50774
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.5 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 5.509 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:252 Resp: 14073
Ion Ratio Lower Upper
252 100
254 61.3 50.8 76.2
126 12.6 10.2 15.2





#83

Chrysene

Concen: 5.401 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

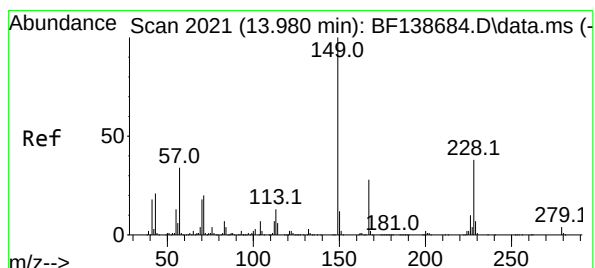
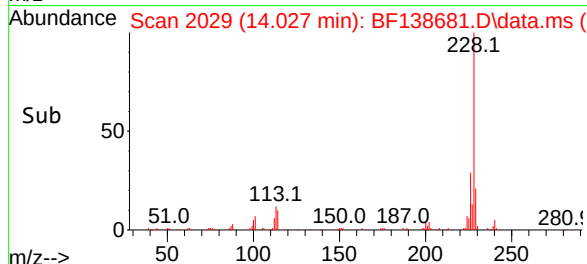
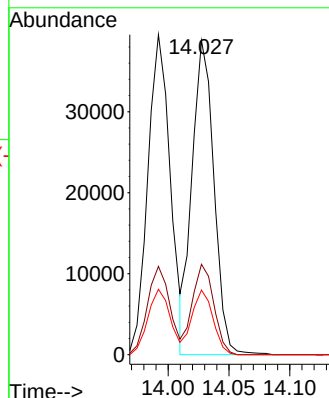
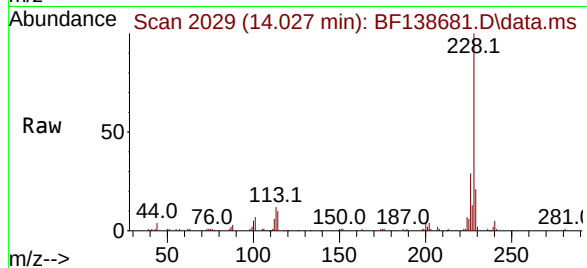
Tgt Ion:228 Resp: 48647

Ion Ratio Lower Upper

228 100

226 28.8 23.7 35.5

229 20.6 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.961 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

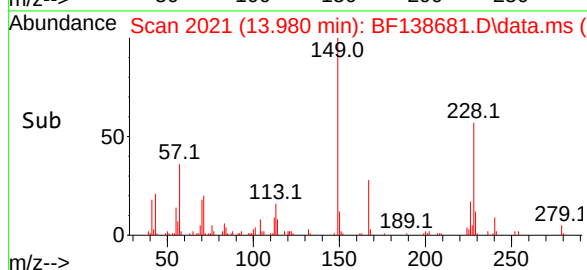
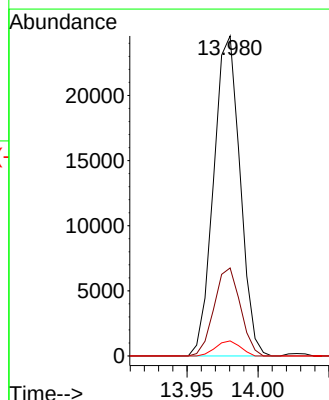
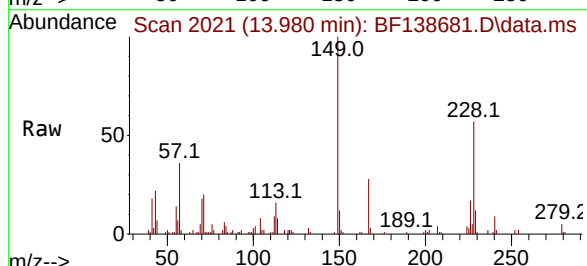
Tgt Ion:149 Resp: 31754

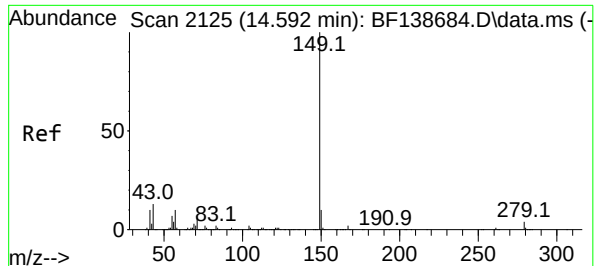
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 4.7 3.4 5.0

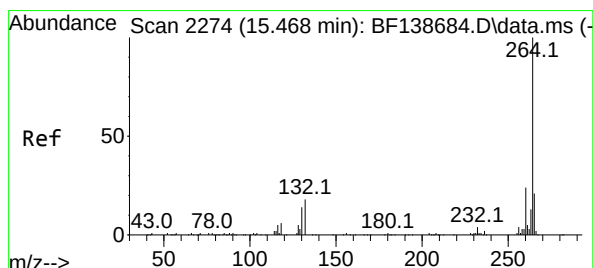
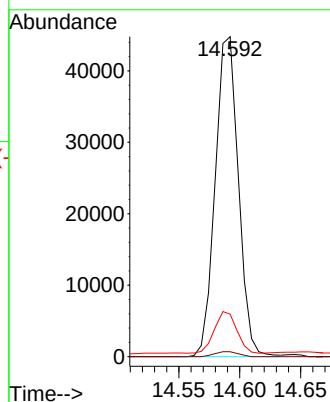
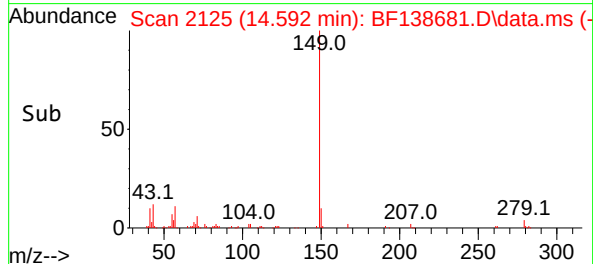
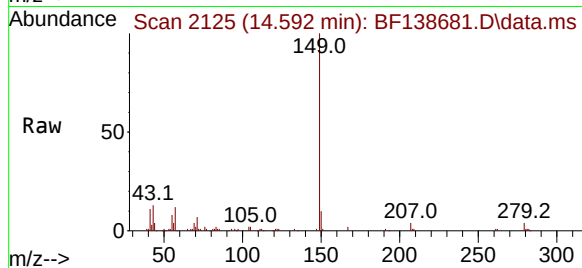




#85
Di-n-octyl phthalate
Concen: 5.011 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

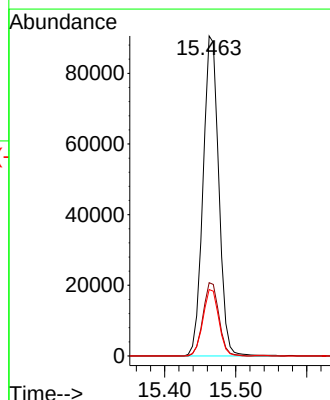
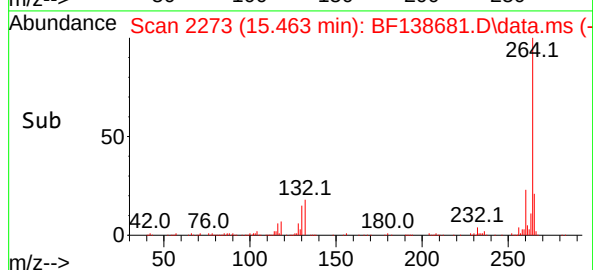
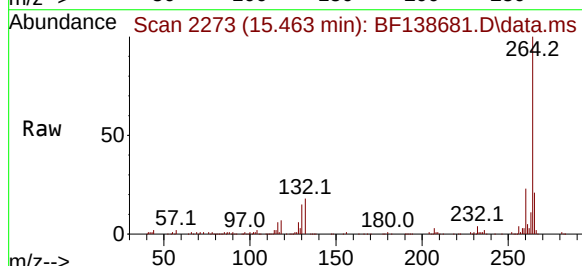
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

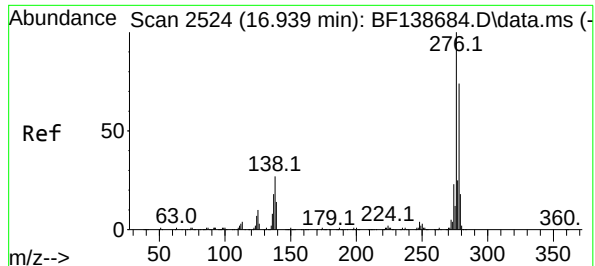
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.6	10.4	15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.6
265	20.7	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.126 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

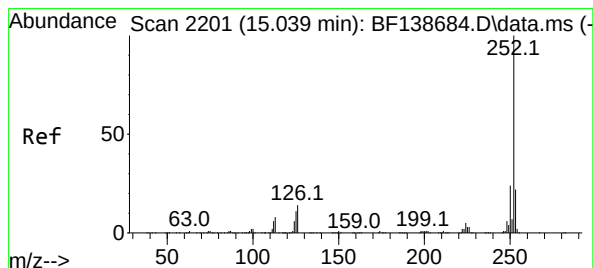
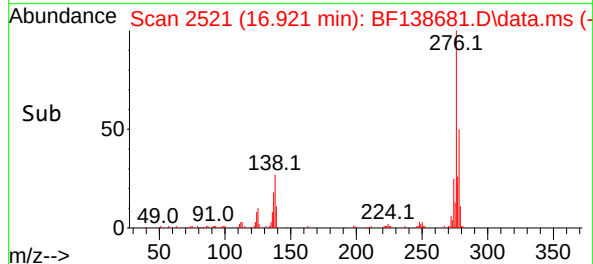
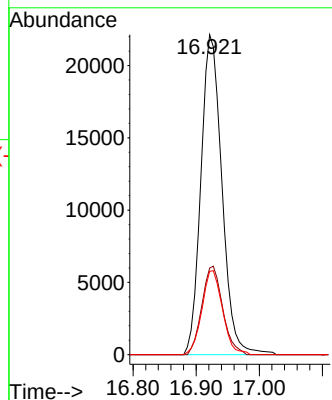
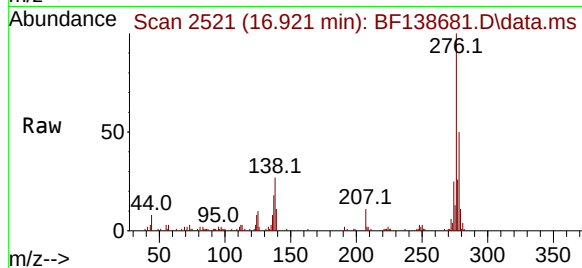
Tgt Ion:276 Resp: 51232

Ion Ratio Lower Upper

276 100

138 27.3 21.8 32.8

277 25.7 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 5.188 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

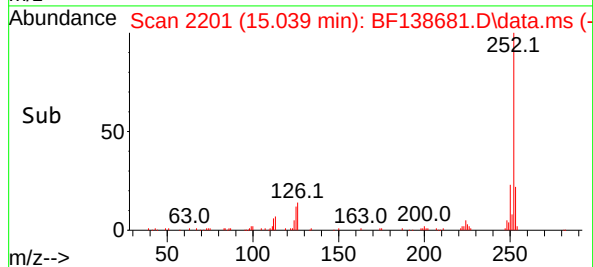
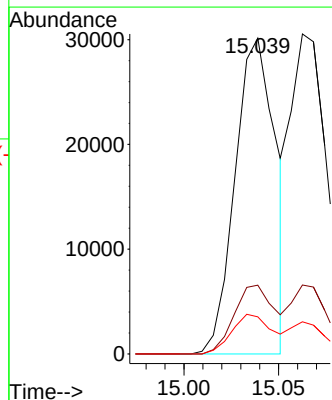
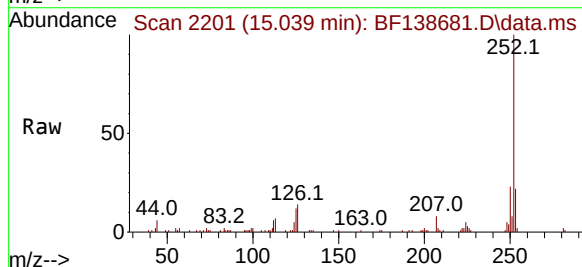
Tgt Ion:252 Resp: 44859

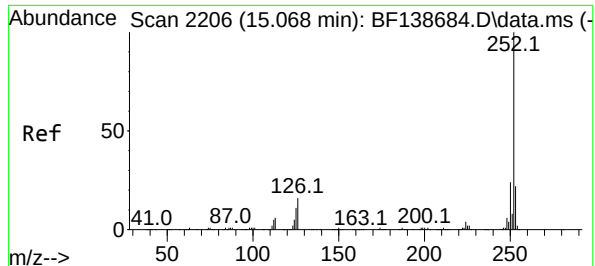
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 11.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 5.600 ng

RT: 15.063 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

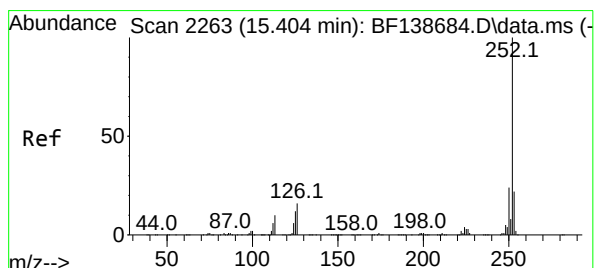
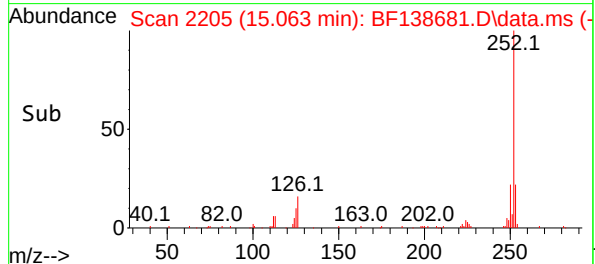
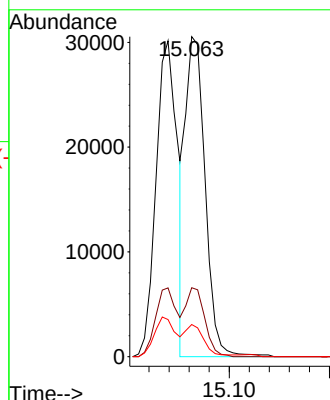
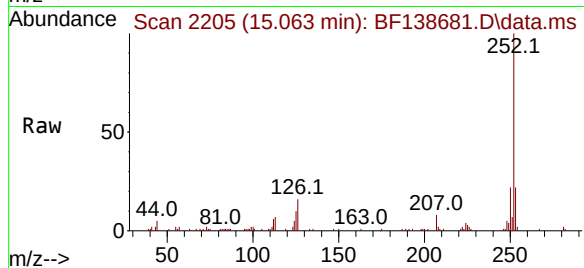
Tgt Ion:252 Resp: 41920

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 10.1 8.6 13.0



#90

Benzo(a)pyrene

Concen: 5.199 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

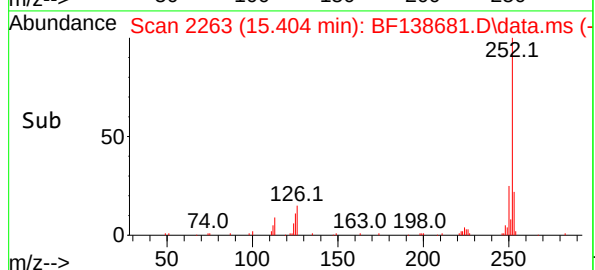
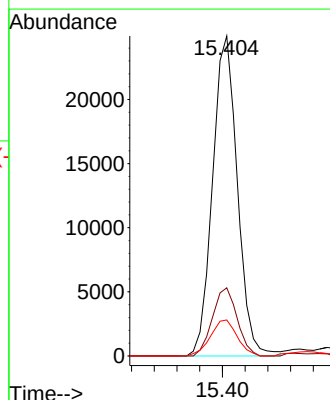
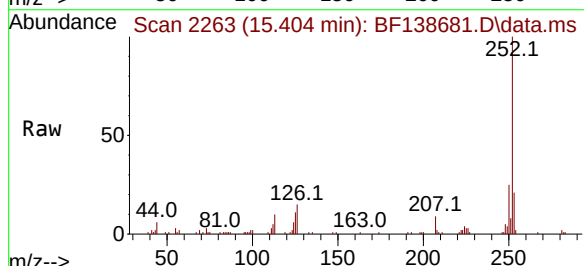
Tgt Ion:252 Resp: 37810

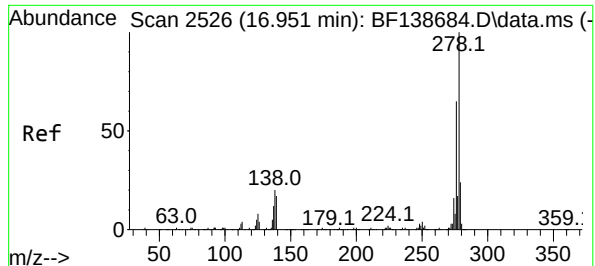
Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 11.2 9.5 14.3

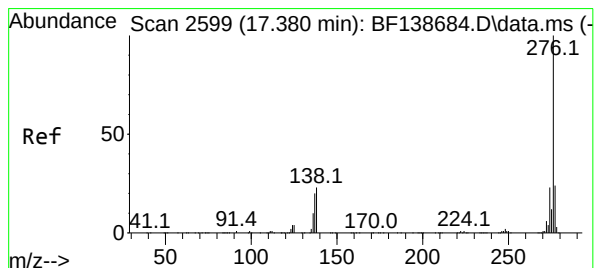
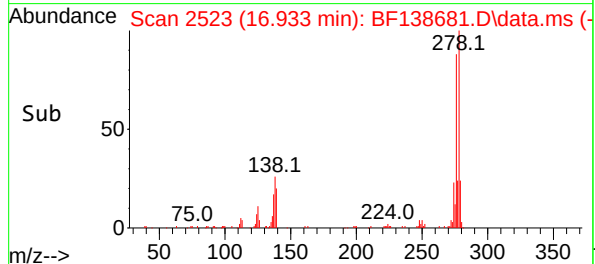
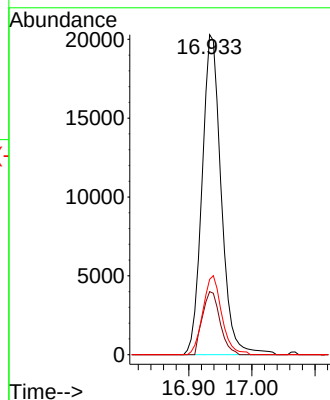
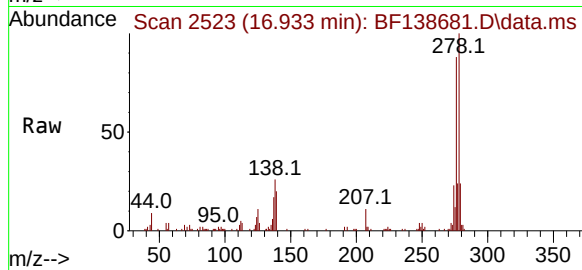




#91
Dibenzo(a,h)anthracene
Concen: 5.209 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

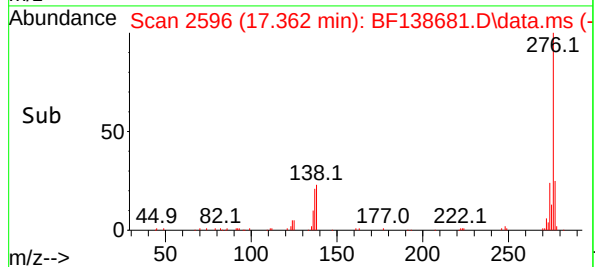
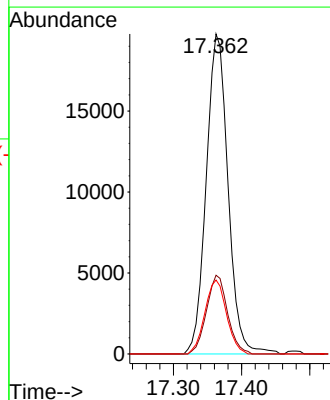
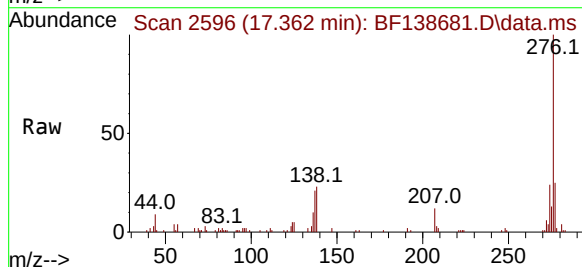
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.0	21.0
279	23.5	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 5.165 ng
RT: 17.362 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.1	18.5	27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138682.D
 Acq On : 30 Jul 2024 13:56
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 17:42:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	73349	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	297904	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	162245	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	269225	20.000	ng	0.00
76) Chrysene-d12	14.004	240	146258	20.000	ng	0.00
86) Perylene-d12	15.468	264	137026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	100297	21.108	ng	0.00
7) Phenol-d6	6.475	99	133232	20.884	ng	-0.01
23) Nitrobenzene-d5	7.404	82	123997	20.350	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	26595	20.011	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	231000	21.392	ng	0.00
79) Terphenyl-d14	12.945	244	185079	21.187	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.593	88	20339	9.777	ng	95
3) Pyridine	3.357	79	50057	9.933	ng	98
4) n-Nitrosodimethylamine	3.287	42	29962	9.983	ng	# 98
6) Aniline	6.504	93	59629	10.481	ng	94
8) 2-Chlorophenol	6.628	128	51997	10.401	ng	97
9) Benzaldehyde	6.398	77	41047	10.733	ng	99
10) Phenol	6.492	94	71371	10.626	ng	92
11) bis(2-Chloroethyl)ether	6.575	93	54121	10.471	ng	99
12) 1,3-Dichlorobenzene	6.787	146	59006	10.544	ng	98
13) 1,4-Dichlorobenzene	6.863	146	59226	10.487	ng	97
14) 1,2-Dichlorobenzene	7.016	146	55425	10.501	ng	98
15) Benzyl Alcohol	6.987	79	47206	10.267	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.116	45	94469	10.620	ng	97
17) 2-Methylphenol	7.098	107	42323	10.252	ng	97
18) Hexachloroethane	7.351	117	22530	10.598	ng	97
19) n-Nitroso-di-n-propyla...	7.245	70	39862	10.345	ng	99
20) 3+4-Methylphenols	7.251	107	56989	10.760	ng	97
22) Acetophenone	7.251	105	75892	10.404	ng	99
24) Nitrobenzene	7.422	77	63020	10.164	ng	98
25) Isophorone	7.663	82	105784	10.167	ng	99
26) 2-Nitrophenol	7.739	139	26149	9.803	ng	96
27) 2,4-Dimethylphenol	7.781	122	32386	10.147	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	64569	10.191	ng	99
29) 2,4-Dichlorophenol	7.987	162	41138	10.031	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	48272	10.199	ng	98
31) Naphthalene	8.145	128	164167	10.469	ng	99
32) Benzoic acid	7.875	122	20318m	8.102	ng	
33) 4-Chloroaniline	8.198	127	54003	10.260	ng	98
34) Hexachlorobutadiene	8.263	225	29309	10.224	ng	98
35) Caprolactam	8.539	113	12474	10.193	ng	93
36) 4-Chloro-3-methylphenol	8.681	107	47584	10.152	ng	96
37) 2-Methylnaphthalene	8.839	142	104097	10.511	ng	99
38) 1-Methylnaphthalene	8.934	142	102100	10.521	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	45439	10.082	ng	98
41) Hexachlorocyclopentadiene	8.986	237	5161	10.915	ng	96
43) 2,4,6-Trichlorophenol	9.116	196	27439	9.985	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138682.D
 Acq On : 30 Jul 2024 13:56
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 30 17:42:53 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 30 17:38:59 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	30782	10.247	ng	97
46) 1,1'-Biphenyl	9.298	154	132668	10.441	ng	99
47) 2-Chloronaphthalene	9.328	162	97850	10.354	ng	97
48) 2-Nitroaniline	9.422	65	32731	10.216	ng	97
49) Acenaphthylene	9.739	152	141438	10.552	ng	99
50) Dimethylphthalate	9.598	163	105187	10.139	ng	100
51) 2,6-Dinitrotoluene	9.663	165	23351	9.974	ng	95
52) Acenaphthene	9.910	154	95143	10.560	ng	98
53) 3-Nitroaniline	9.833	138	24353	10.062	ng	99
54) 2,4-Dinitrophenol	9.951	184	7908	7.337	ng	88
55) Dibenzofuran	10.080	168	136302	10.717	ng	99
56) 4-Nitrophenol	10.004	139	12643	8.687	ng	95
57) 2,4-Dinitrotoluene	10.069	165	30462	10.198	ng	99
58) Fluorene	10.428	166	107585	10.622	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	22672	9.872	ng	# 94
60) Diethylphthalate	10.298	149	102108	10.381	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	53870	10.814	ng	99
62) 4-Nitroaniline	10.439	138	23653	10.284	ng	98
63) Azobenzene	10.575	77	112880	10.347	ng	99
65) 4,6-Dinitro-2-methylph...	10.475	198	14344	8.733	ng	96
66) n-Nitrosodiphenylamine	10.533	169	86813	10.316	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	29510	10.124	ng	98
68) Hexachlorobenzene	10.975	284	31049	10.317	ng	96
69) Atrazine	11.063	200	23189	10.680	ng	96
70) Pentachlorophenol	11.175	266	10392	7.661	ng	93
71) Phenanthrene	11.392	178	149253	10.766	ng	99
72) Anthracene	11.439	178	145043	10.620	ng	99
73) Carbazole	11.598	167	126321	10.721	ng	100
74) Di-n-butylphthalate	11.922	149	133246	10.060	ng	99
75) Fluoranthene	12.580	202	140690	10.871	ng	99
77) Benzidine	12.704	184	35263	10.080	ng	100
78) Pyrene	12.810	202	143221	10.400	ng	99
80) Butylbenzylphthalate	13.421	149	41771	9.472	ng	99
81) Benzo(a)anthracene	13.998	228	105185	10.444	ng	97
82) 3,3'-Dichlorobenzidine	13.957	252	26584	10.314	ng	98
83) Chrysene	14.033	228	89780	9.881	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	61314	9.495	ng	98
85) Di-n-octyl phthalate	14.592	149	111460	9.329	ng	100
87) Indeno(1,2,3-cd)pyrene	16.933	276	100310	10.215	ng	99
88) Benzo(b)fluoranthene	15.039	252	93263	10.980	ng	99
89) Benzo(k)fluoranthene	15.068	252	71464	9.717	ng	99
90) Benzo(a)pyrene	15.404	252	71724	10.038	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	84356	10.465	ng	97
92) Benzo(g,h,i)perylene	17.374	276	84564	10.110	ng	98

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

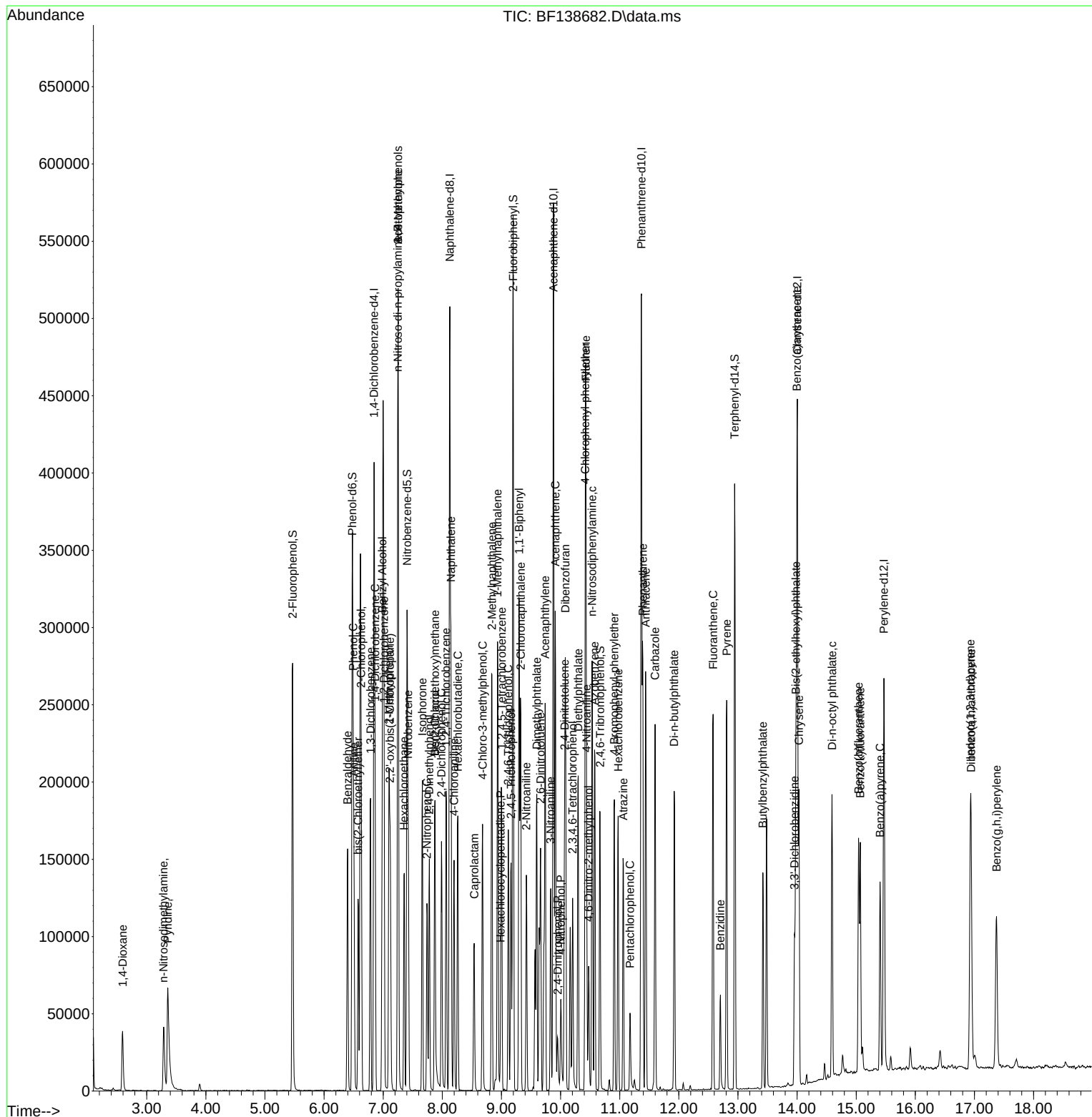
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138682.D
Acq On : 30 Jul 2024 13:56
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

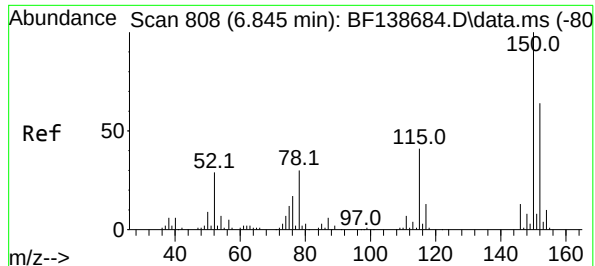
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

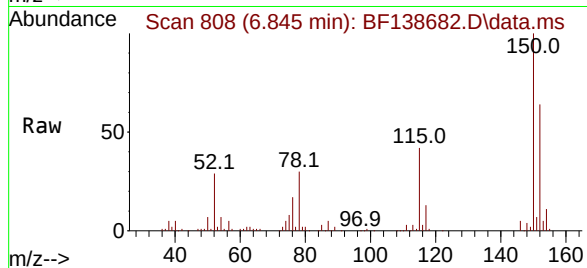
Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

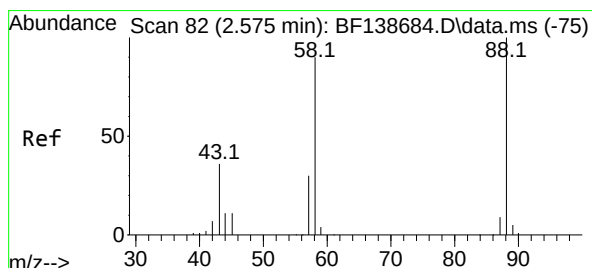
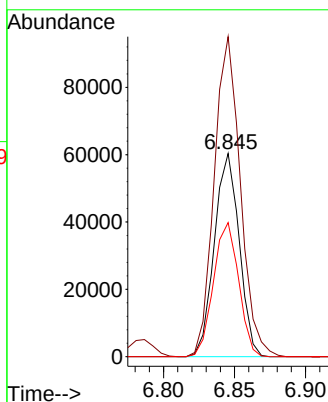
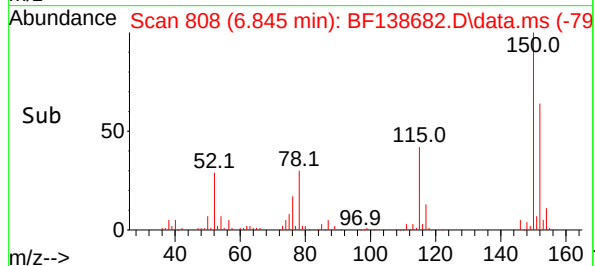
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 73349
Ion Ratio Lower Upper
152 100
150 157.4 126.0 189.0
115 66.0 51.7 77.5

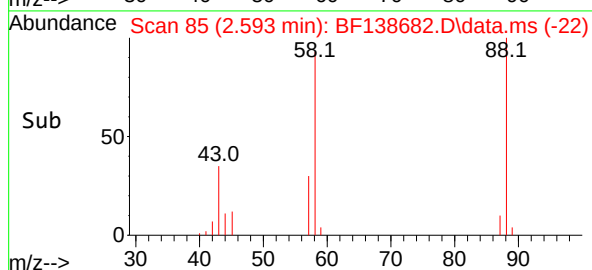
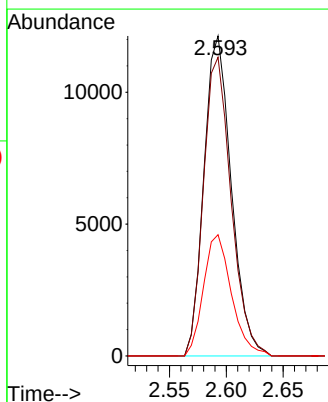
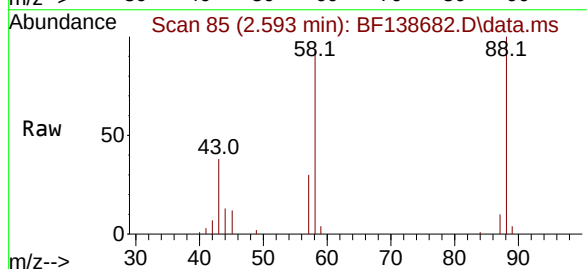
Manual Integrations
APPROVED

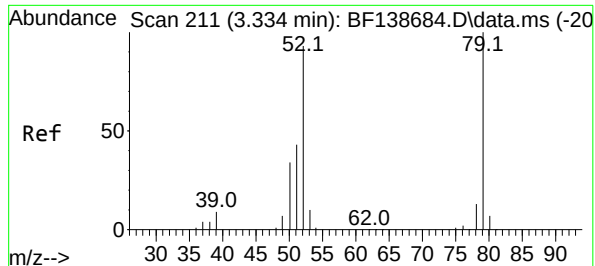
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#2
1,4-Dioxane
Concen: 9.777 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 88 Resp: 20339
Ion Ratio Lower Upper
88 100
58 94.3 71.6 107.4
43 38.8 28.7 43.1





#3

Pyridine

Concen: 9.933 ng

RT: 3.357 min Scan# 211

Delta R.T. 0.024 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

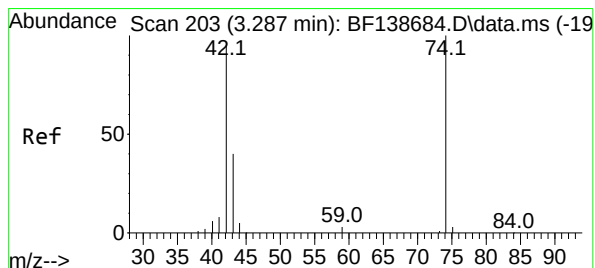
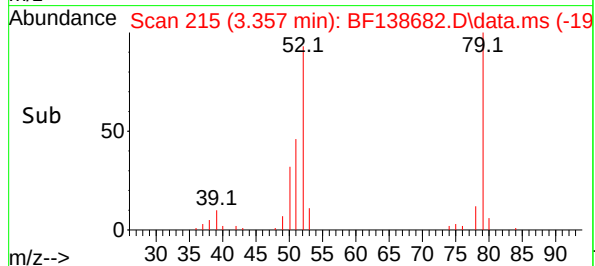
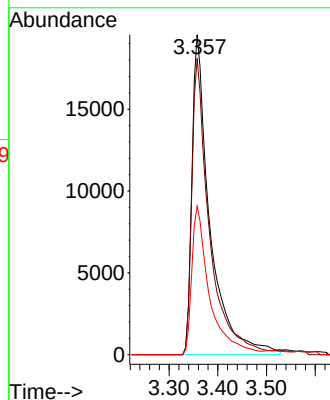
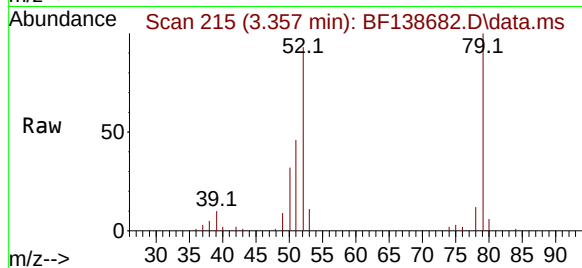
SSTDICC010

Tgt Ion: 79	Resp: 5005
Ion Ratio	Lower Upper
79	100
52	92.6 74.7 112.1
51	46.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#4

n-Nitrosodimethylamine

Concen: 9.983 ng

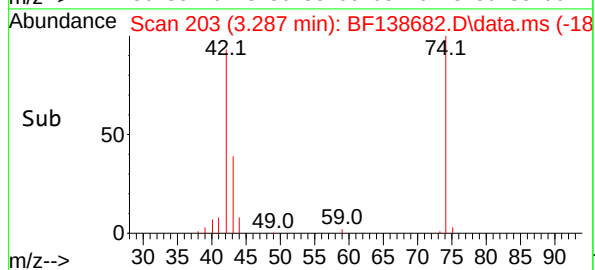
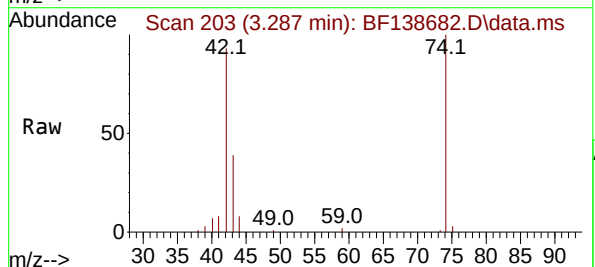
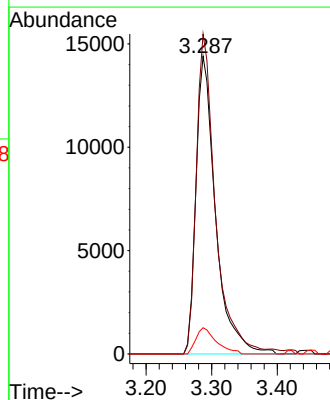
RT: 3.287 min Scan# 203

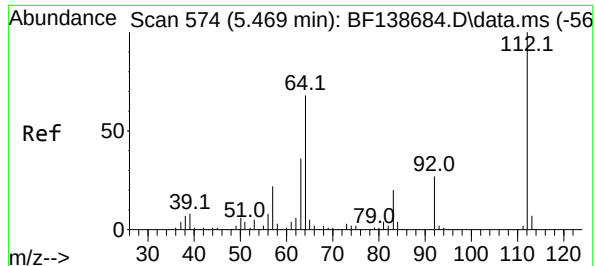
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Tgt Ion: 42	Resp: 29962
Ion Ratio	Lower Upper
42	100
74	107.5 84.2 126.4
44	8.8 4.9 7.3





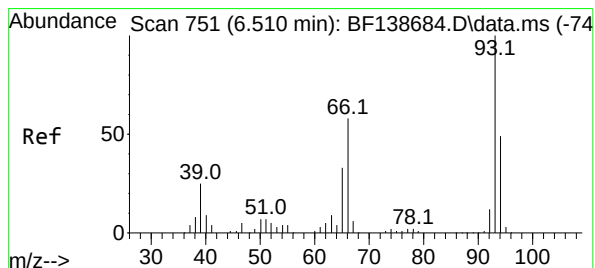
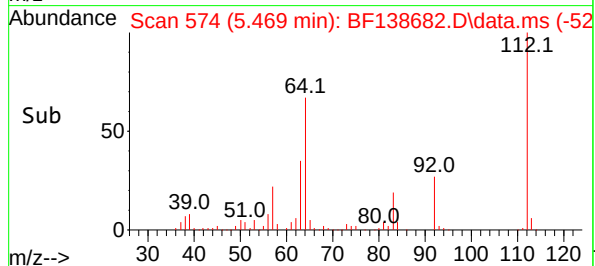
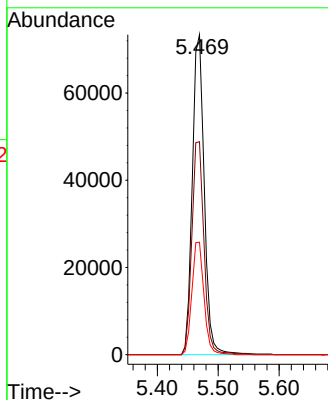
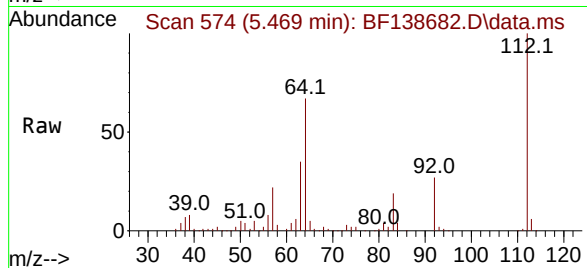
#5
2-Fluorophenol
Concen: 21.108 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 10029
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 35.2 28.7 43.1

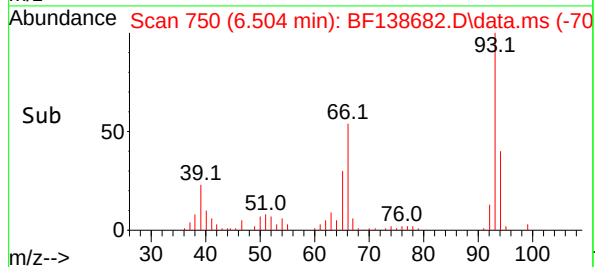
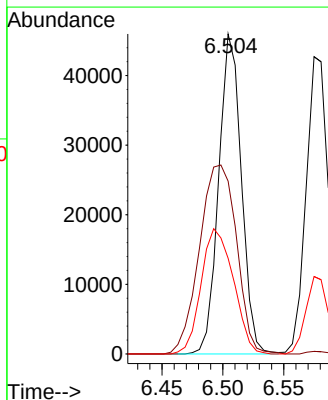
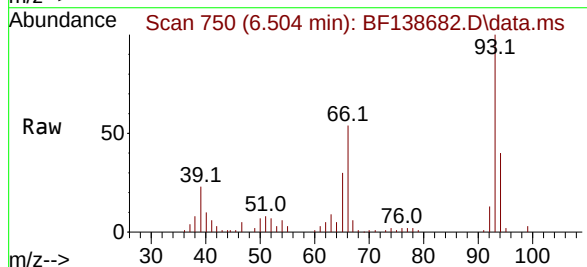
Manual Integrations
APPROVED

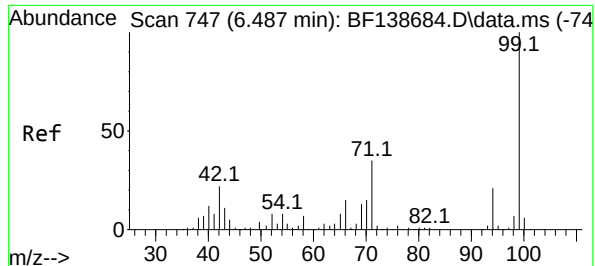
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#6
Aniline
Concen: 10.481 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 59629
Ion Ratio Lower Upper
93 100
66 54.0 46.9 70.3
65 29.9 26.5 39.7





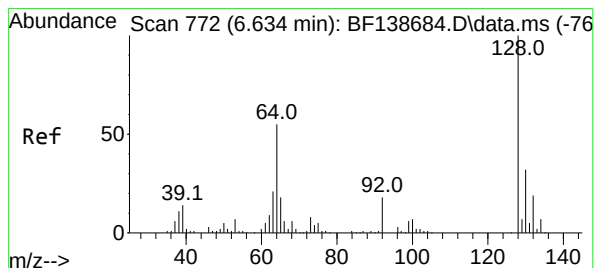
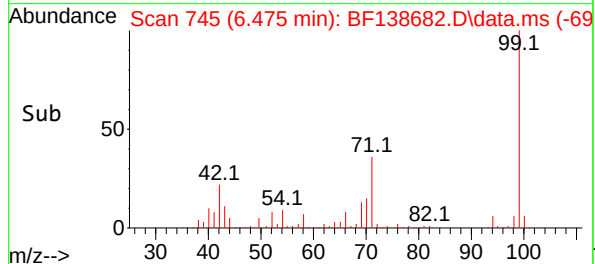
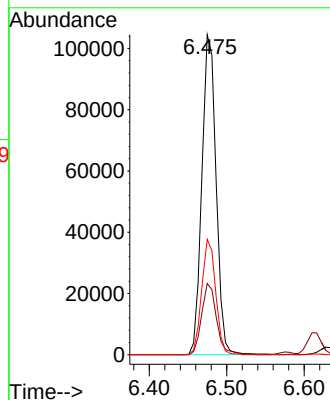
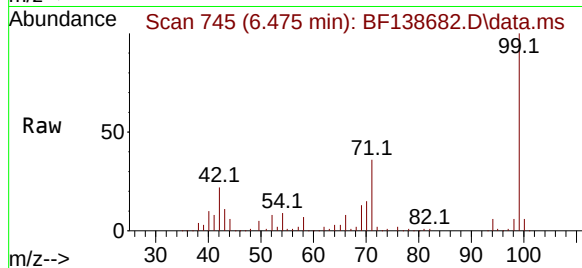
#7
Phenol-d6
Concen: 20.884 ng
RT: 6.475 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 13323
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.0
71 36.0 28.1 42.1

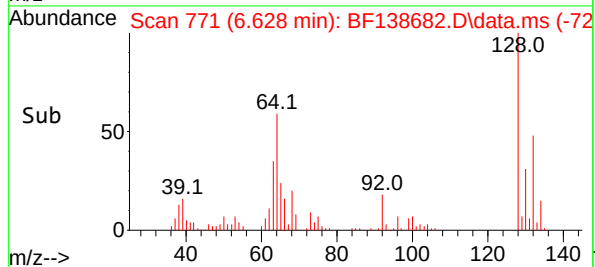
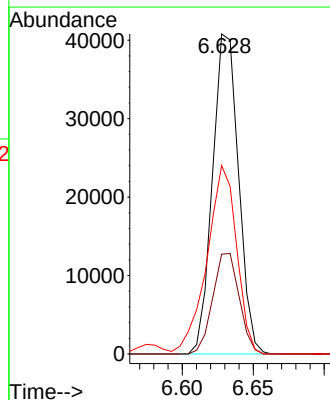
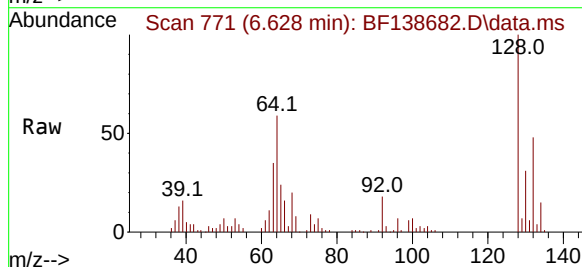
Manual Integrations
APPROVED

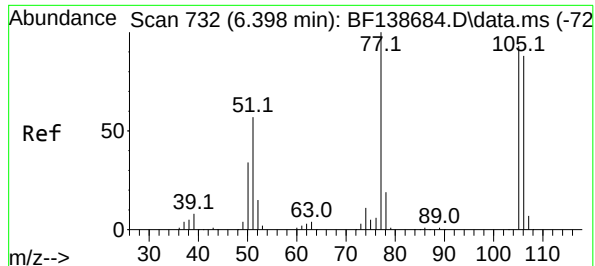
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#8
2-Chlorophenol
Concen: 10.401 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:128 Resp: 51997
Ion Ratio Lower Upper
128 100
130 31.2 12.0 52.0
64 58.9 36.3 76.3





#9

Benzaldehyde

Concen: 10.733 ng

RT: 6.398 min Scan# 714

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

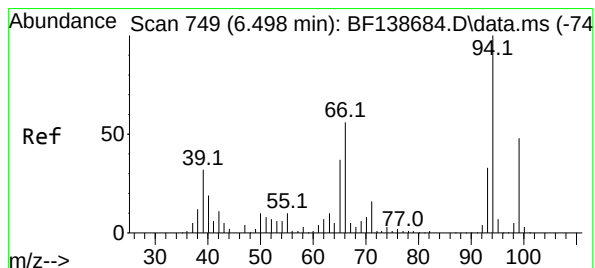
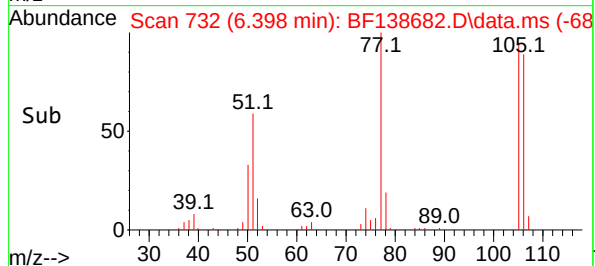
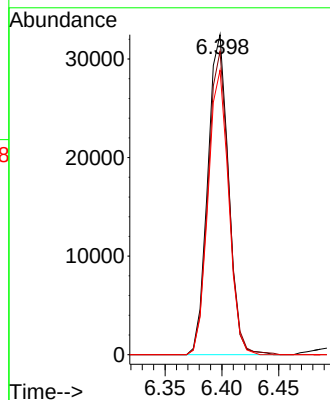
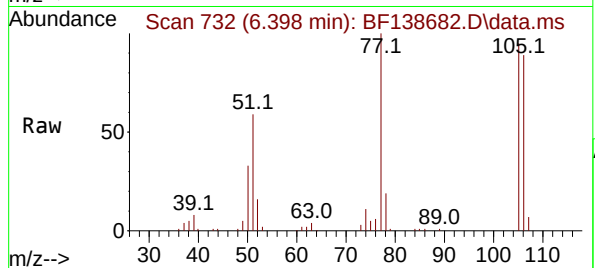
Tgt Ion:	77	Resp:	4104
Ion	Ratio	Lower	Upper
77	100		
105	94.8	72.9	112.9
106	88.9	68.4	108.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#10

Phenol

Concen: 10.626 ng

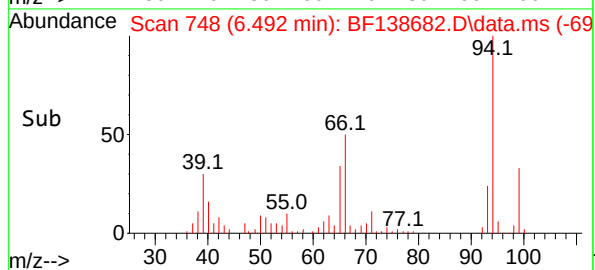
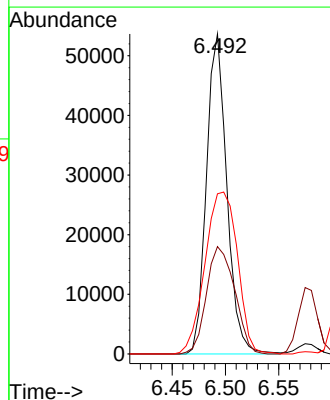
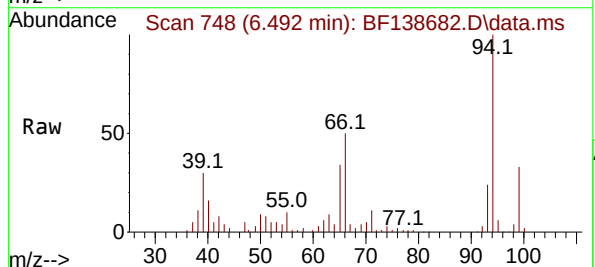
RT: 6.492 min Scan# 748

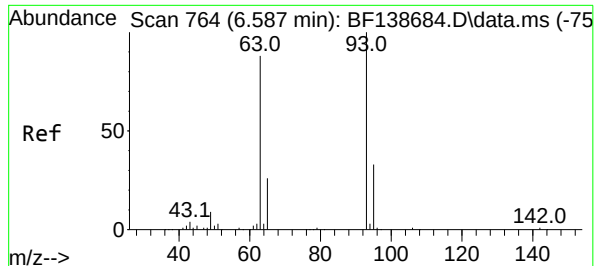
Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Tgt Ion:	94	Resp:	71371
Ion	Ratio	Lower	Upper
94	100		
65	33.6	16.9	56.9
66	50.1	36.5	76.5





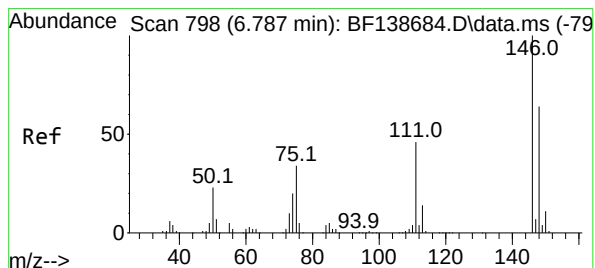
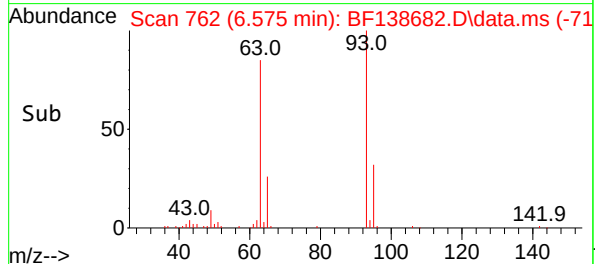
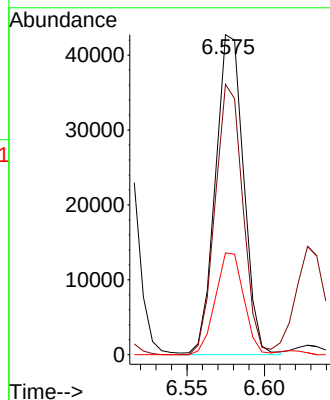
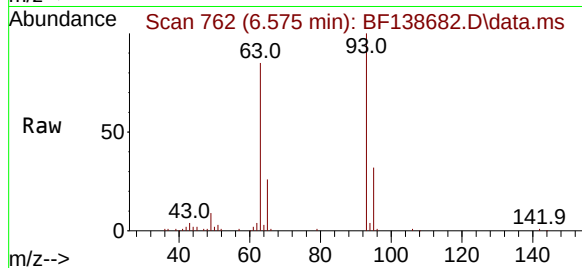
#11
bis(2-Chloroethyl)ether
Concen: 10.471 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 5412
Ion Ratio Lower Upper
93 100
63 84.5 65.3 105.3
95 31.8 12.4 52.4

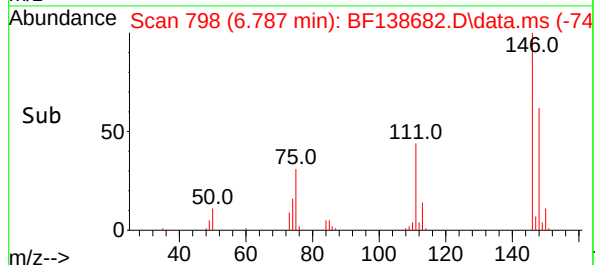
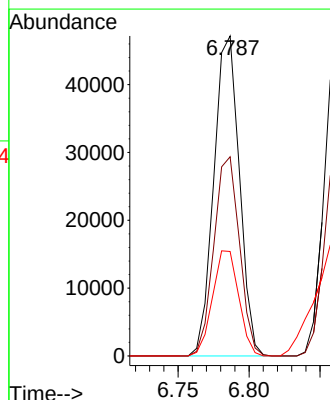
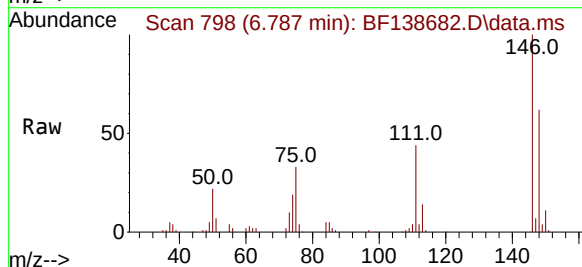
Manual Integrations
APPROVED

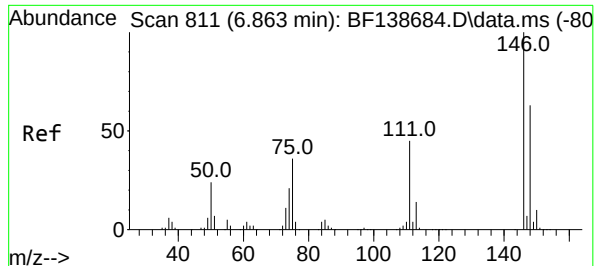
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#12
1,3-Dichlorobenzene
Concen: 10.544 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 59006
Ion Ratio Lower Upper
146 100
148 62.2 51.2 76.8
75 32.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 10.487 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

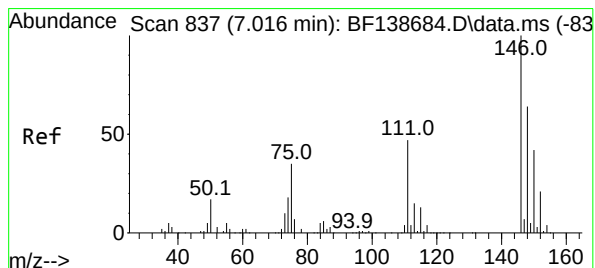
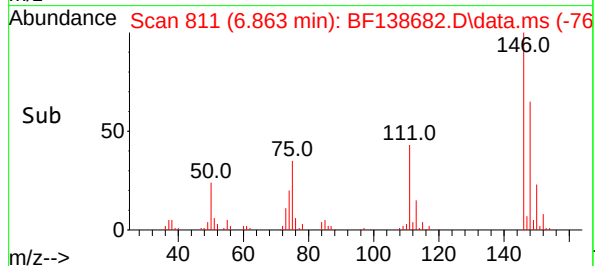
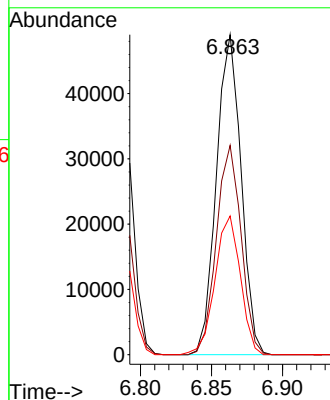
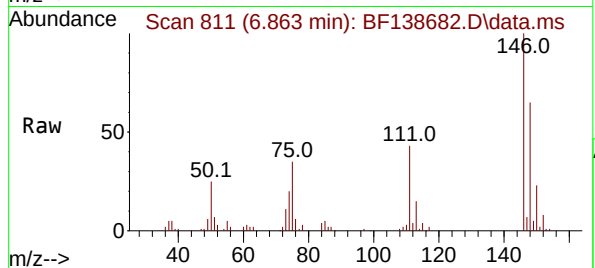
Tgt Ion:146 Resp: 59220
Ion Ratio Lower Upper
146 100
148 65.4 50.2 75.2
111 43.4 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#14

1,2-Dichlorobenzene

Concen: 10.501 ng

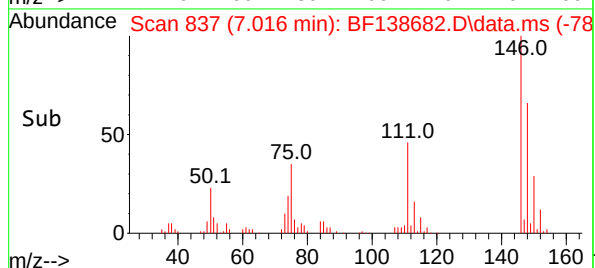
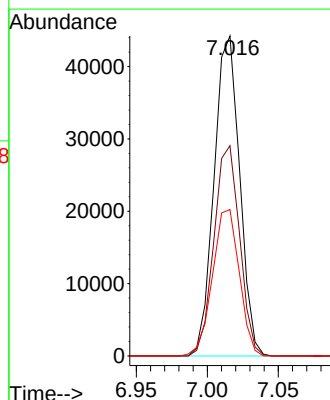
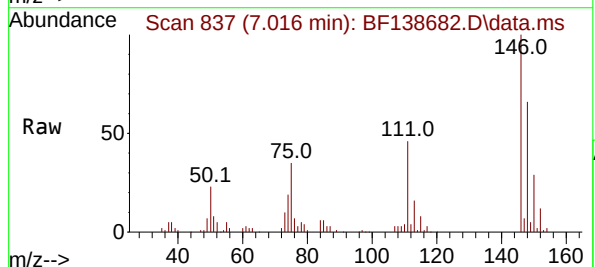
RT: 7.016 min Scan# 837

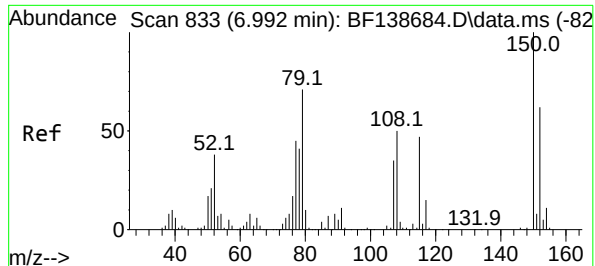
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

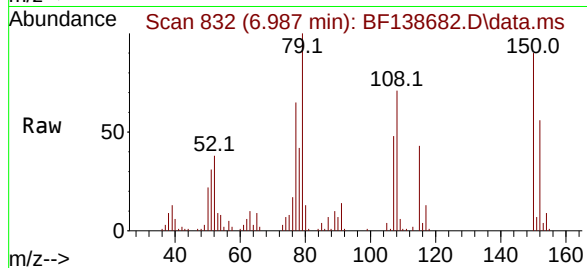
Tgt Ion:146 Resp: 55425
Ion Ratio Lower Upper
146 100
148 65.7 50.8 76.2
111 45.7 37.4 56.2





#15
Benzyl Alcohol
Concen: 10.267 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

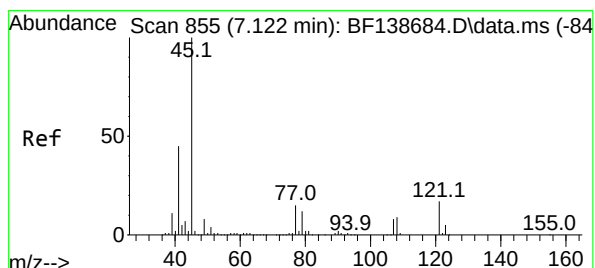
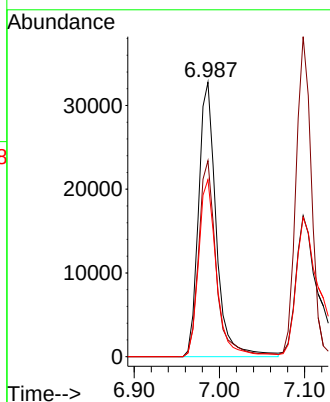
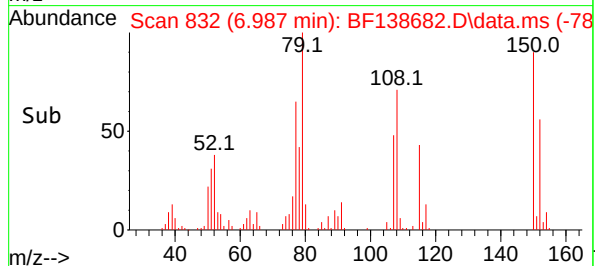
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 47200
Ion Ratio Lower Upper
79 100
108 71.4 56.6 85.0
77 64.6 50.3 75.5

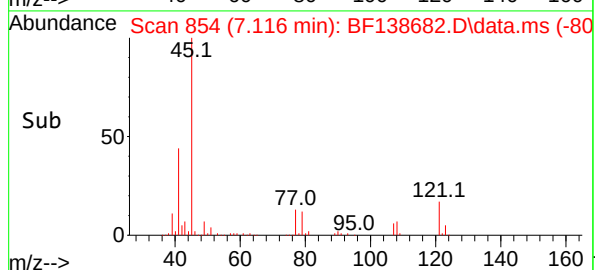
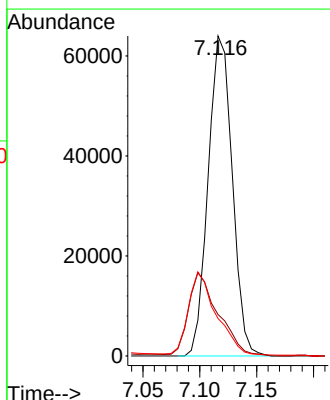
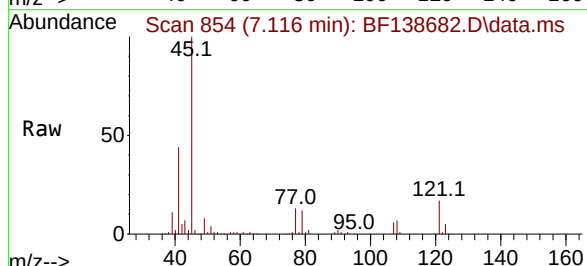
Manual Integrations
APPROVED

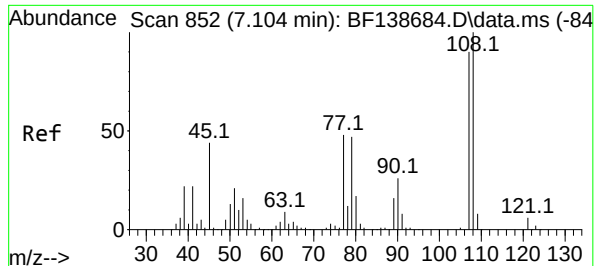
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#16
2,2'-oxybis(1-chloropropane)
Concen: 10.620 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 45 Resp: 94469
Ion Ratio Lower Upper
45 100
77 13.0 0.0 34.9
79 11.7 0.0 32.2





#17
2-Methylphenol
Concen: 10.252 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

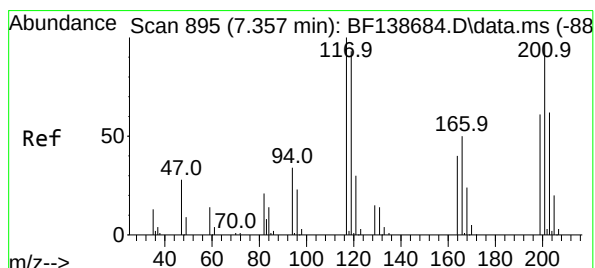
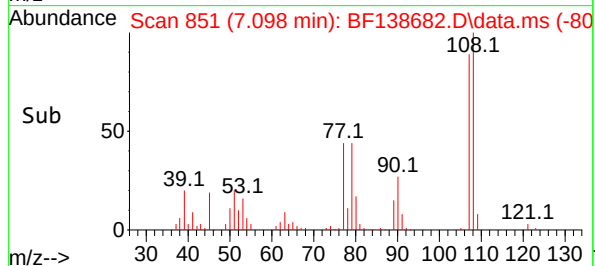
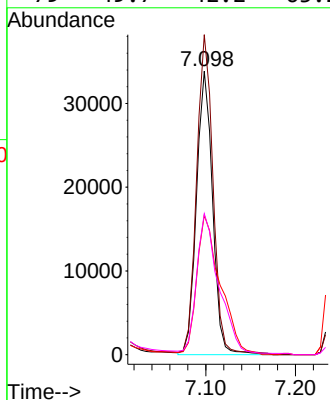
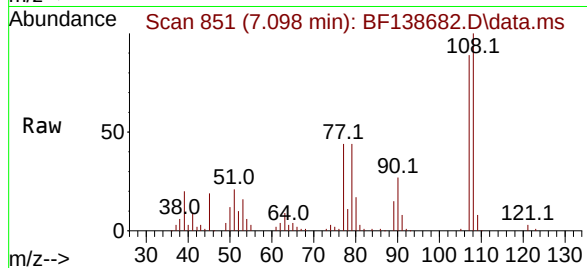
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.2	133.8
77	49.1	43.0	64.4
79	49.7	42.2	63.2

Manual Integrations

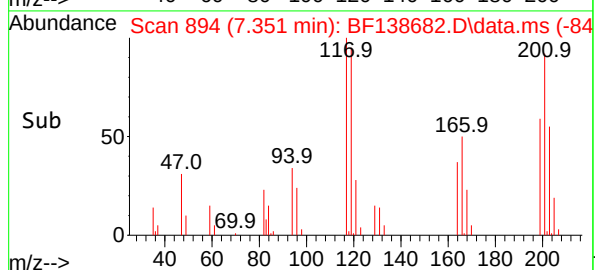
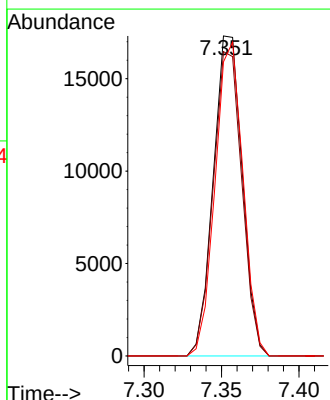
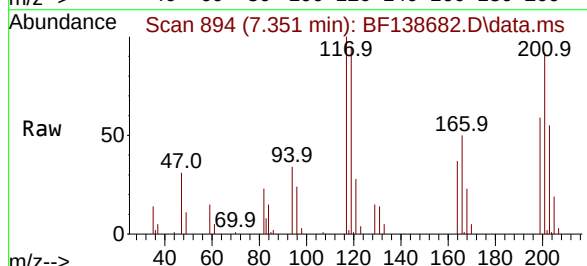
APPROVED

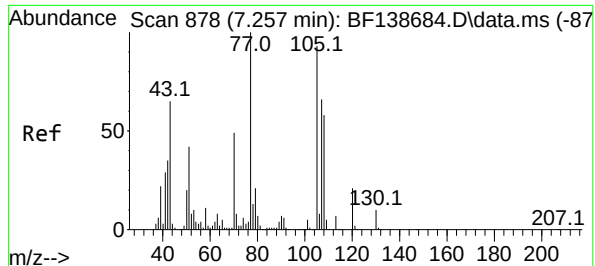
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#18
Hexachloroethane
Concen: 10.598 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

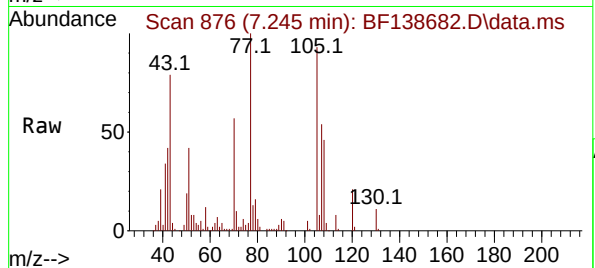
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.6	111.8
201	91.9	77.2	115.8





#19
n-Nitroso-di-n-propylamine
Concen: 10.345 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

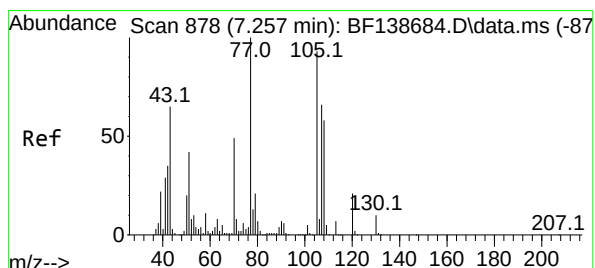
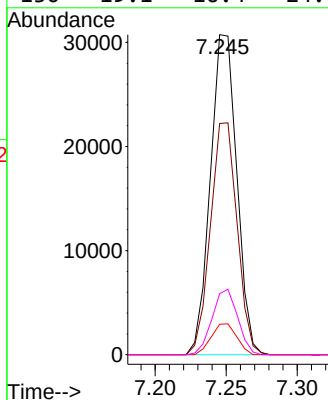
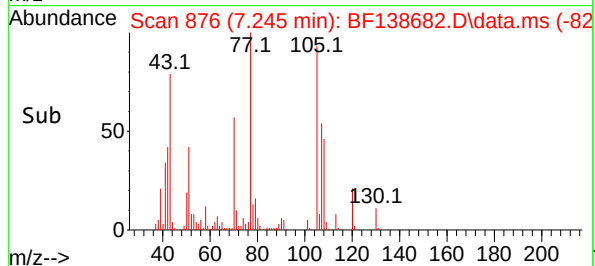
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



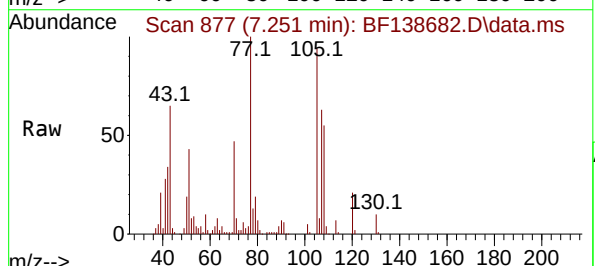
Tgt Ion: 70 Resp: 3986
Ion Ratio Lower Upper
70 100
42 72.3 57.4 86.0
101 9.5 7.5 11.3
130 19.1 16.4 24.6

Manual Integrations
APPROVED

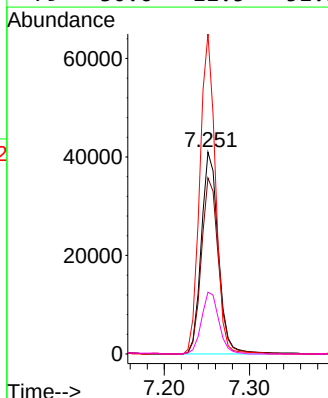
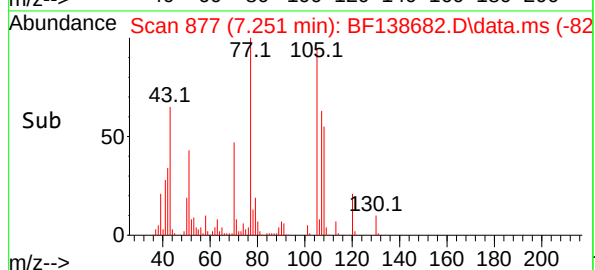
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

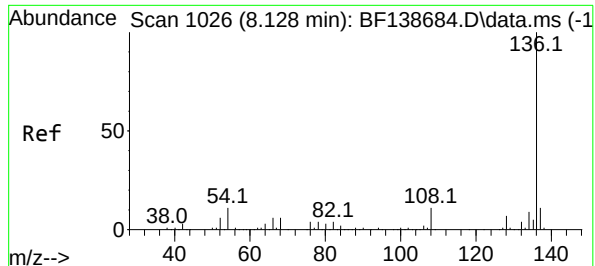


#20
3+4-Methylphenols
Concen: 10.760 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



Tgt Ion:107 Resp: 56989
Ion Ratio Lower Upper
107 100
108 87.2 68.2 108.2
77 158.6 132.1 172.1
79 30.6 11.5 51.5





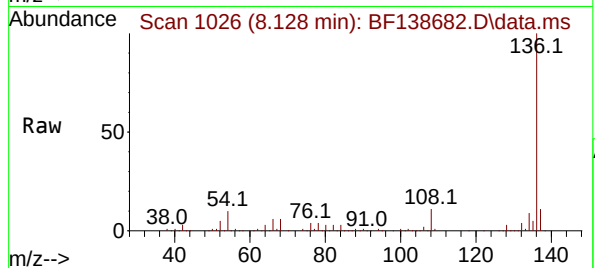
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

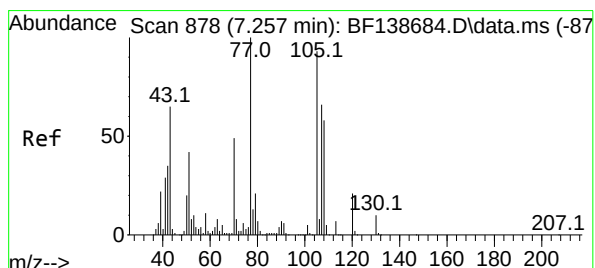
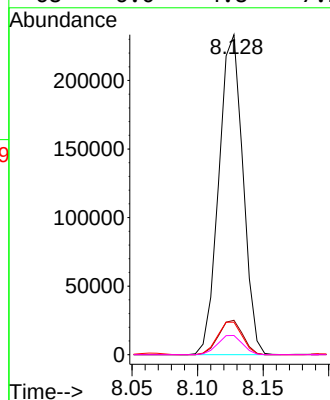
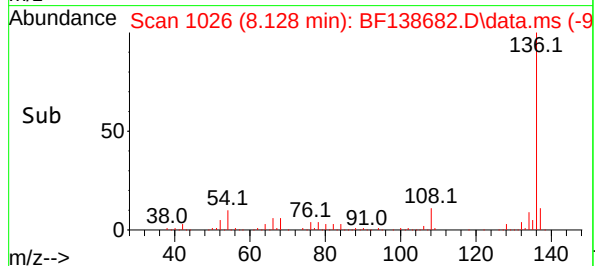


Tgt Ion:136 Resp: 297904
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.1 8.6 12.8
68 6.0 4.8 7.2

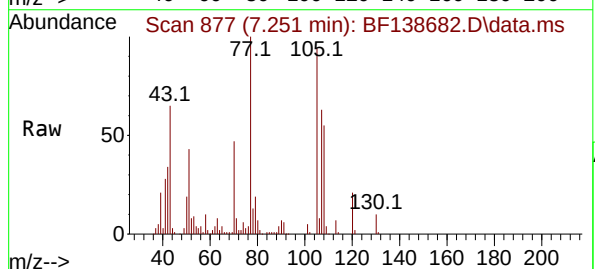
Manual Integrations

APPROVED

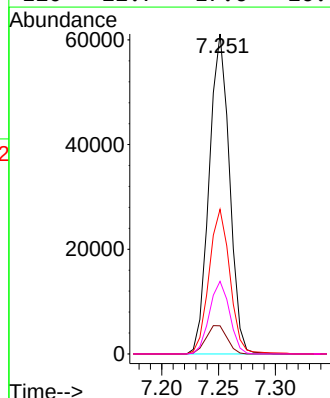
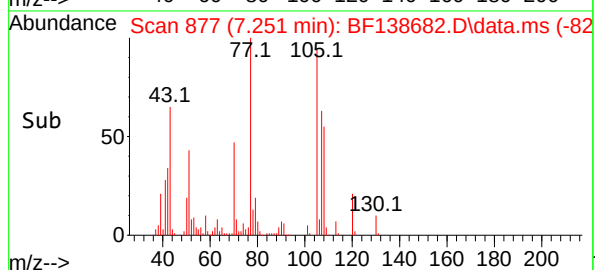
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

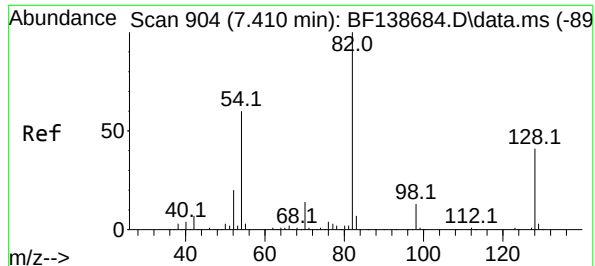


#22
Acetophenone
Concen: 10.404 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



Tgt Ion:105 Resp: 75892
Ion Ratio Lower Upper
105 100
71 8.8 7.2 10.8
51 45.2 35.9 53.9
120 22.7 17.6 26.4





#23

Nitrobenzene-d5

Concen: 20.350 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 123997

Ion Ratio Lower Upper

82 100

128 41.4 32.8 49.2

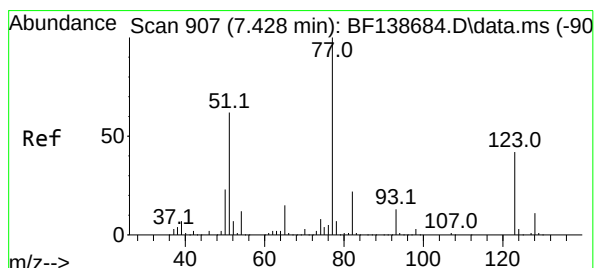
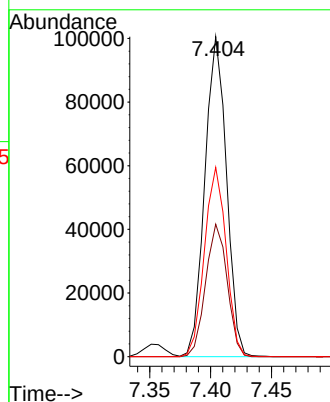
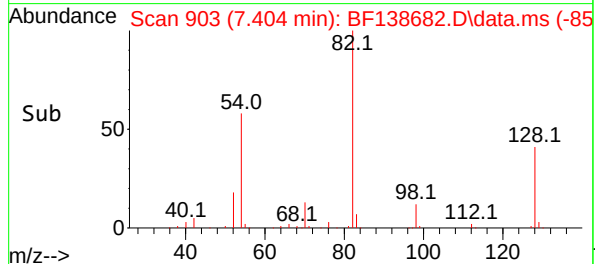
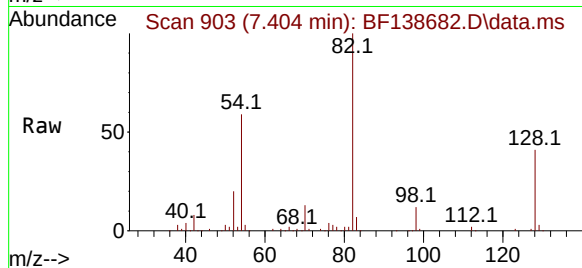
54 59.1 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#24

Nitrobenzene

Concen: 10.164 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

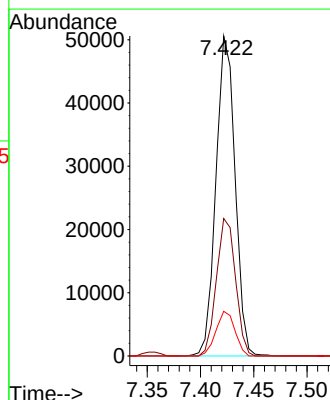
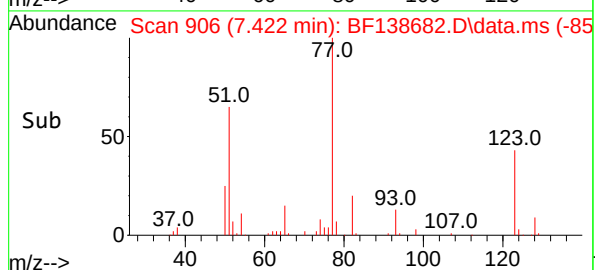
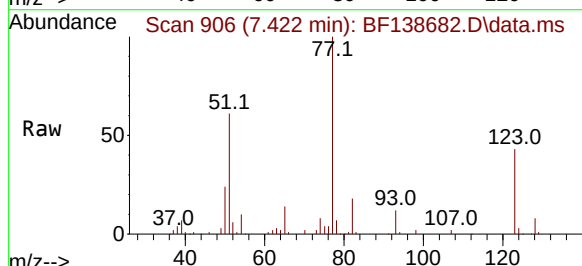
Tgt Ion: 77 Resp: 63020

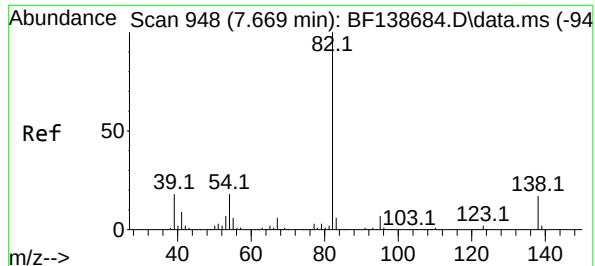
Ion Ratio Lower Upper

77 100

123 42.9 33.3 49.9

65 14.0 11.9 17.9





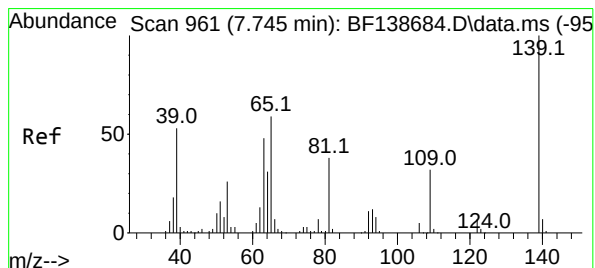
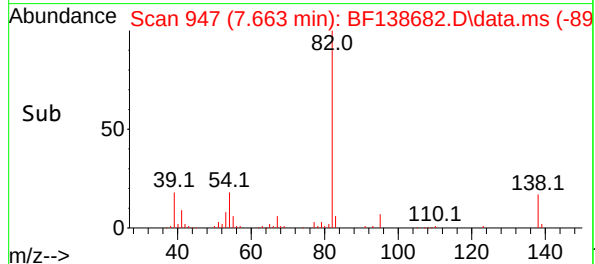
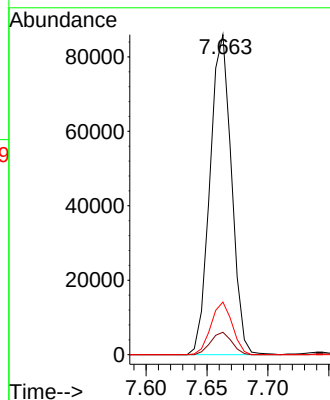
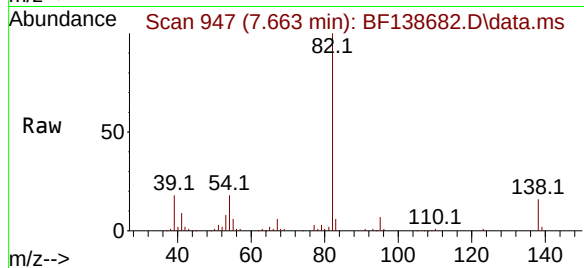
#25
Isophorone
Concen: 10.167 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDIC010

Tgt Ion: 82 Resp: 105784
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 16.4 13.7 20.5

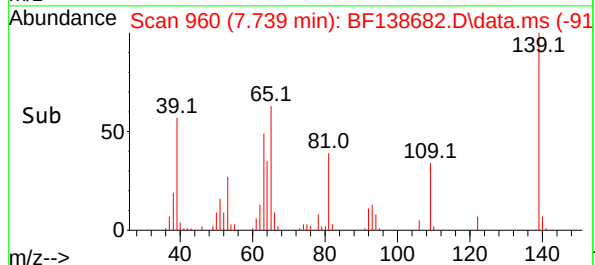
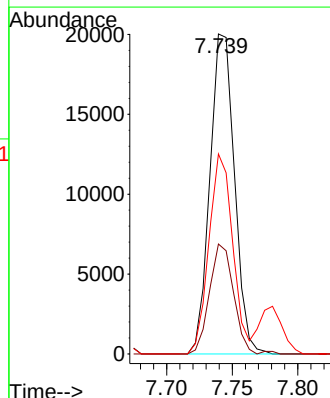
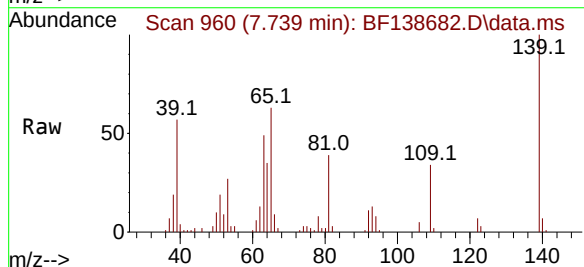
Manual Integrations
APPROVED

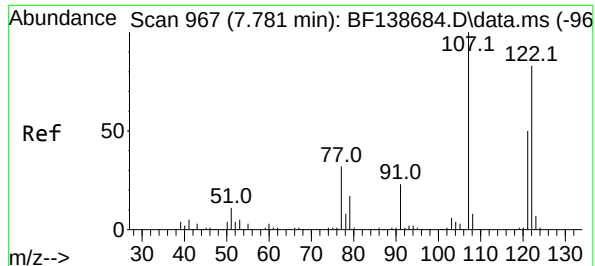
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#26
2-Nitrophenol
Concen: 9.803 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:139 Resp: 26149
Ion Ratio Lower Upper
139 100
109 34.4 25.9 38.9
65 62.5 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 10.147 ng

RT: 7.781 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

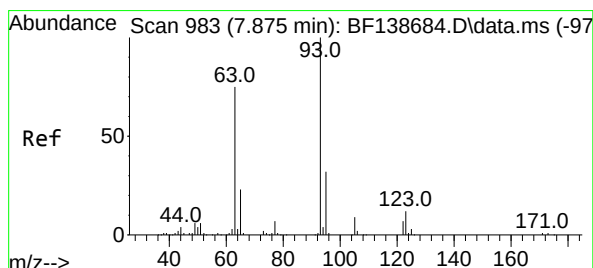
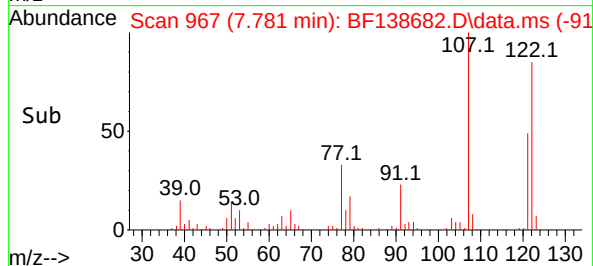
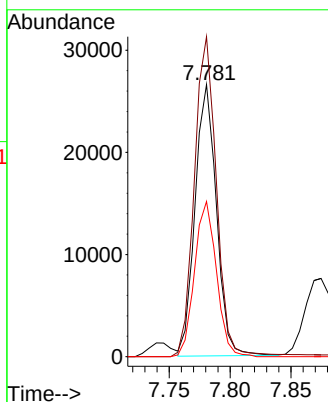
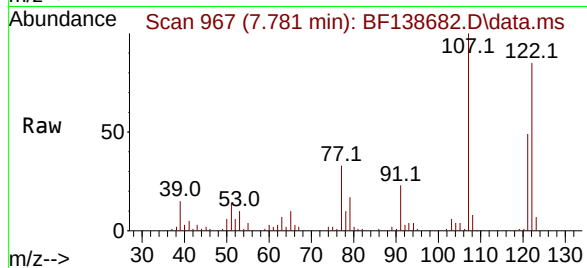
Tgt Ion:122 Resp: 32380
Ion Ratio Lower Upper
122 100
107 117.6 95.0 142.6
121 57.1 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.191 ng

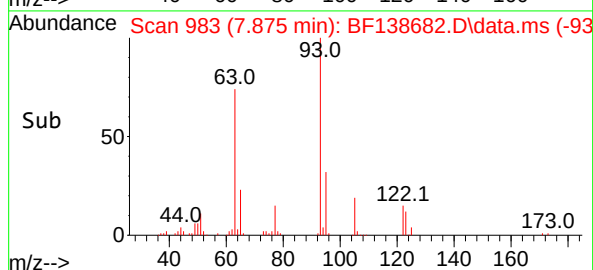
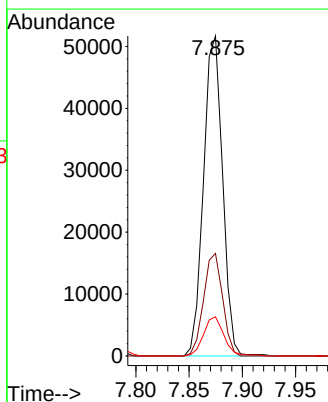
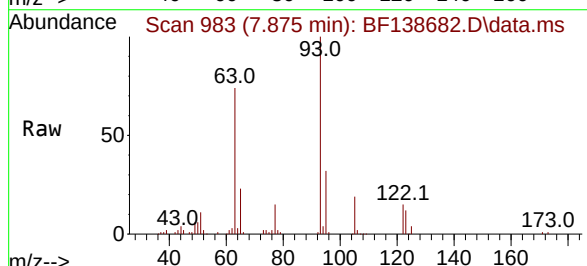
RT: 7.875 min Scan# 983

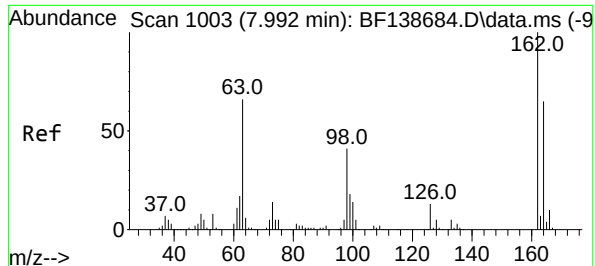
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 64569
Ion Ratio Lower Upper
93 100
95 32.0 25.8 38.8
123 12.3 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 10.031 ng

RT: 7.987 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 41138

Ion Ratio Lower Upper

162 100

164 65.4 44.7 84.7

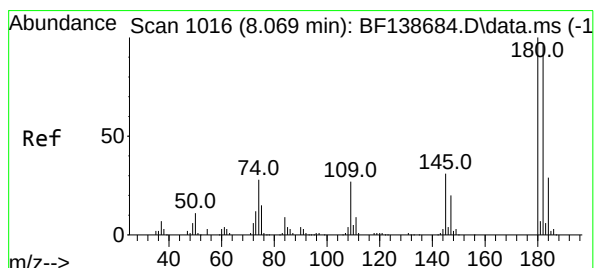
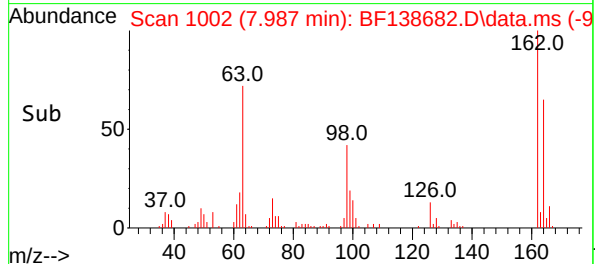
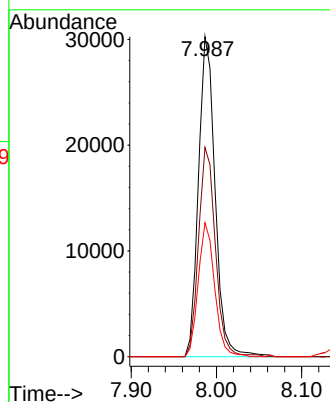
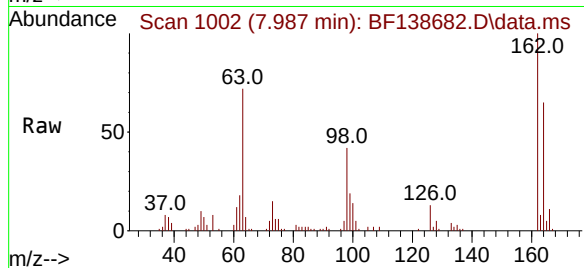
98 41.8 20.8 60.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#30

1,2,4-Trichlorobenzene

Concen: 10.199 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

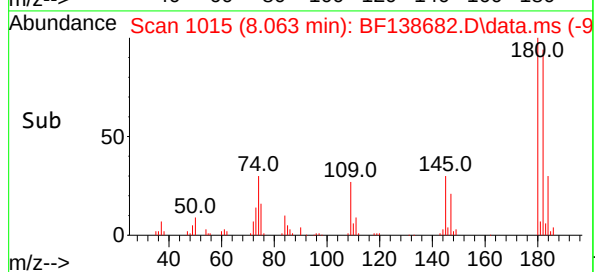
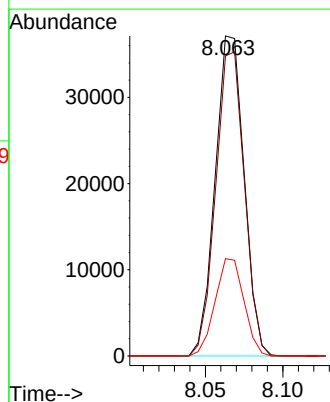
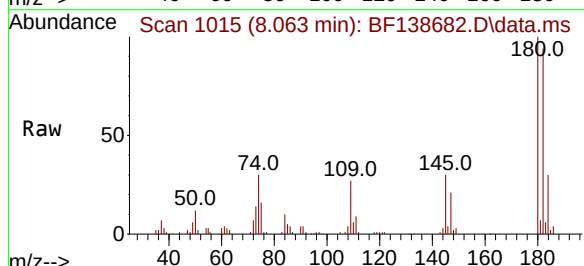
Tgt Ion:180 Resp: 48272

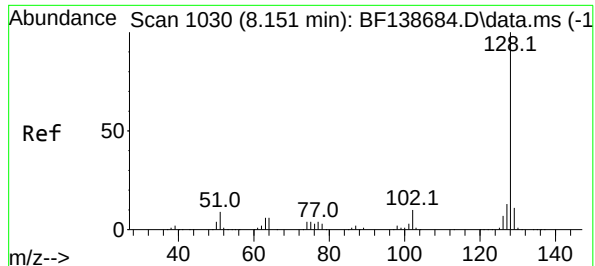
Ion Ratio Lower Upper

180 100

182 93.7 76.9 115.3

145 30.4 25.0 37.4





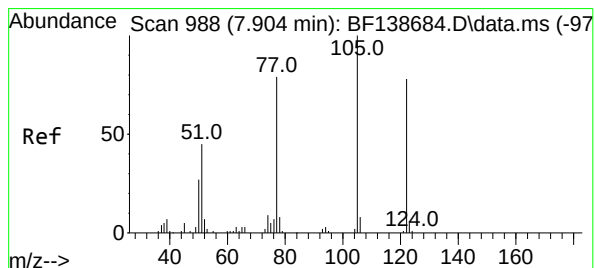
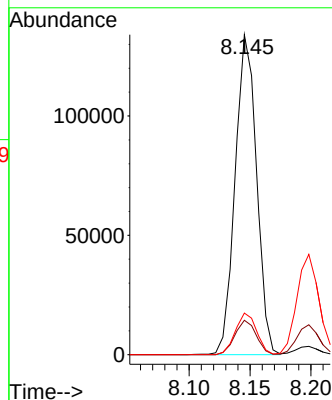
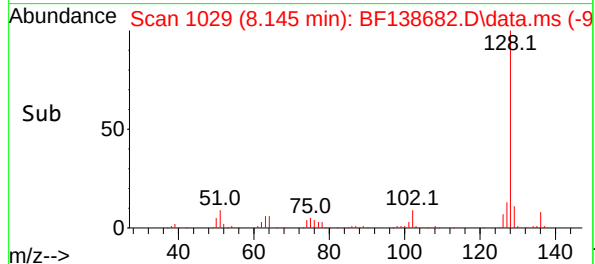
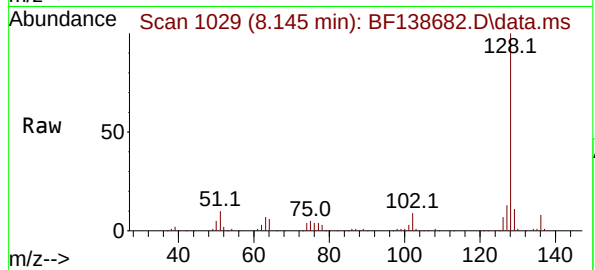
#31
Naphthalene
Concen: 10.469 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 16416
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.0 10.6 16.0

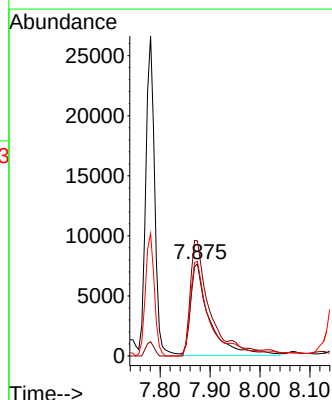
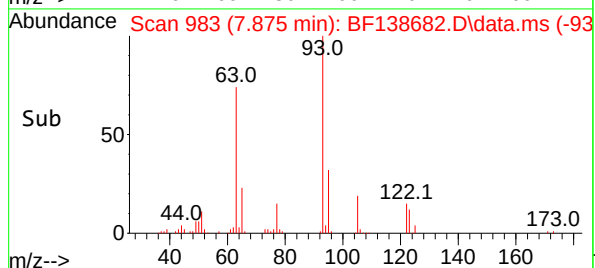
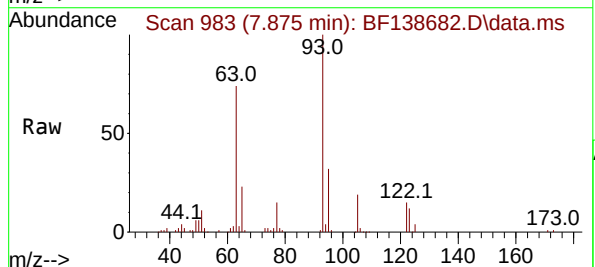
Manual Integrations
APPROVED

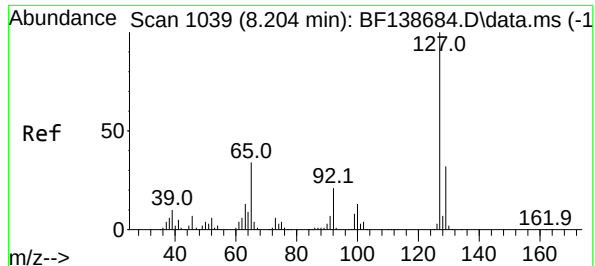
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#32
Benzoic acid
Concen: 8.102 ng m
RT: 7.875 min Scan# 983
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:122 Resp: 20318
Ion Ratio Lower Upper
122 100
105 125.2 106.7 146.7
77 102.9 81.1 121.1





#33

4-Chloroaniline

Concen: 10.260 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

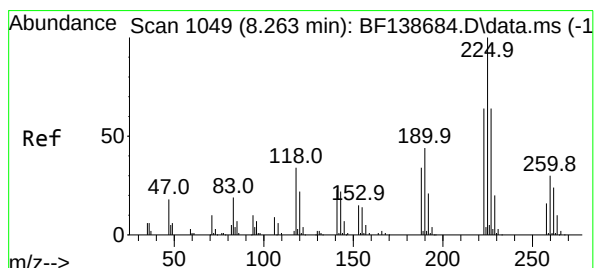
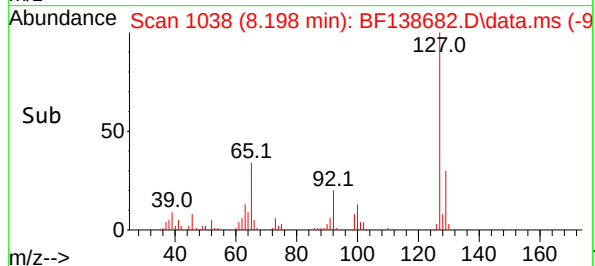
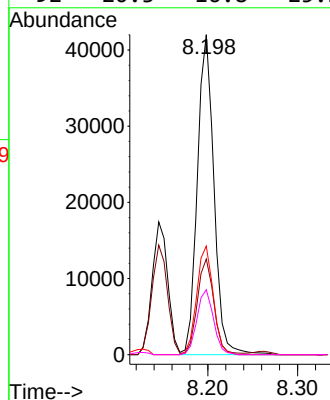
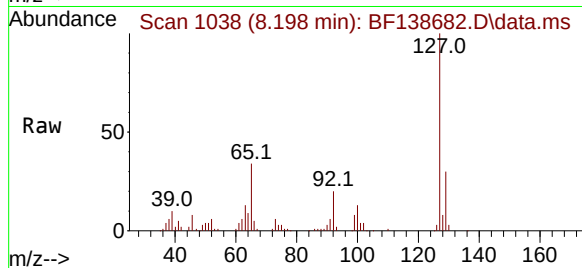
SSTDIC010

Tgt Ion:	127	Resp:	5400
Ion Ratio	Lower	Upper	
127	100		
129	29.9	25.9	38.9
65	33.9	27.6	41.4
92	20.3	16.8	25.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#34

Hexachlorobutadiene

Concen: 10.224 ng

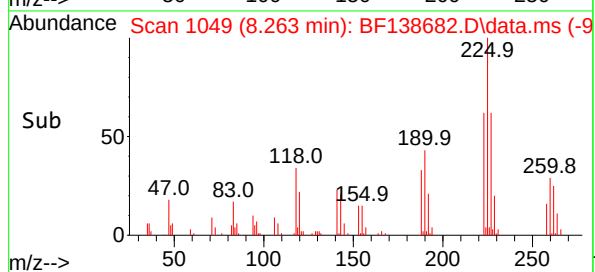
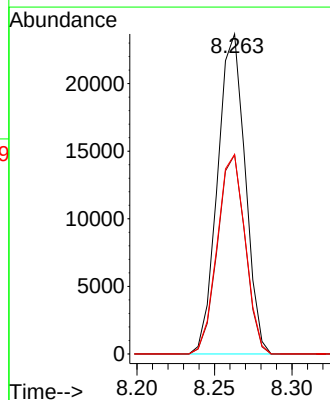
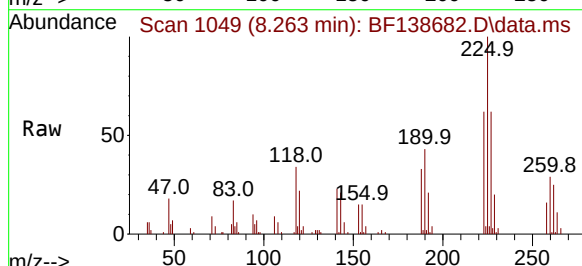
RT: 8.263 min Scan# 1049

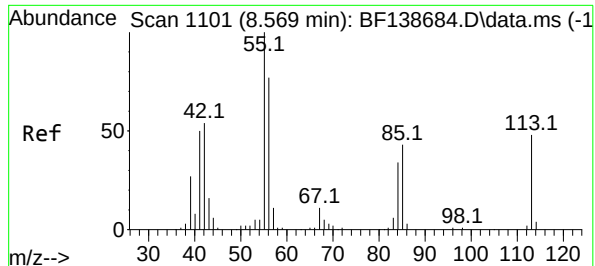
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

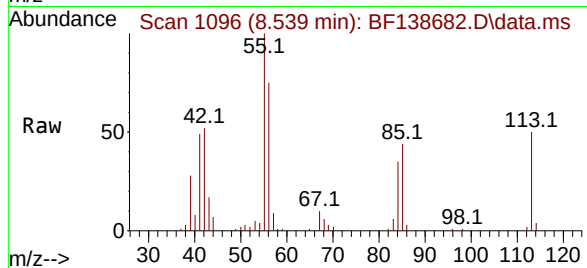
Tgt Ion:	225	Resp:	29309
Ion Ratio	Lower	Upper	
225	100		
223	62.3	51.2	76.8
227	62.4	51.1	76.7





#35
Caprolactam
Concen: 10.193 ng
RT: 8.539 min Scan# 1096
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

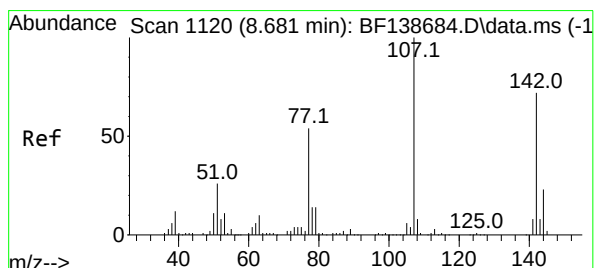
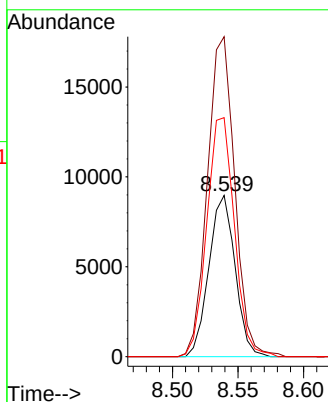
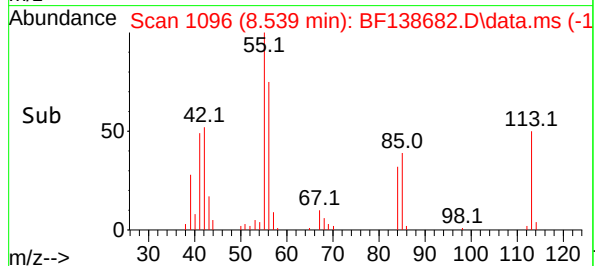
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:113 Resp: 12474
Ion Ratio Lower Upper
113 100
55 198.5 186.7 226.7
56 148.2 138.9 178.9

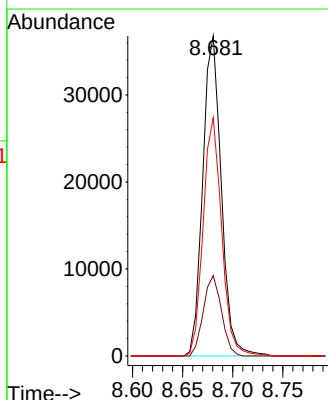
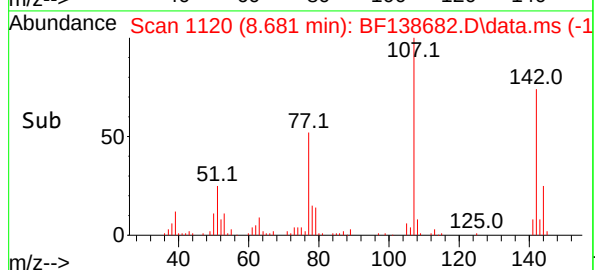
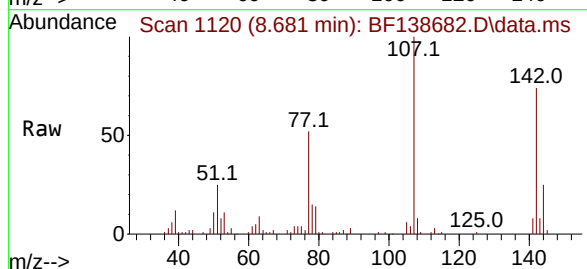
Manual Integrations
APPROVED

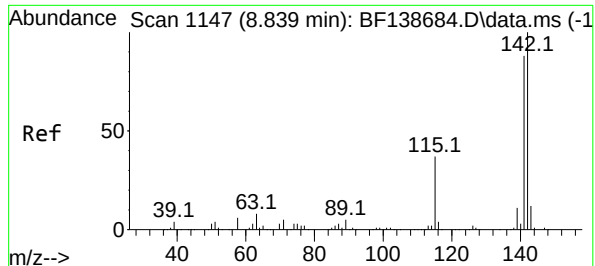
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#36
4-Chloro-3-methylphenol
Concen: 10.152 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

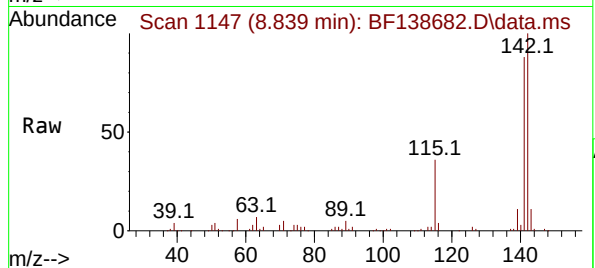
Tgt Ion:107 Resp: 47584
Ion Ratio Lower Upper
107 100
144 25.1 18.2 27.2
142 74.5 57.4 86.2





#37
2-Methylnaphthalene
Concen: 10.511 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

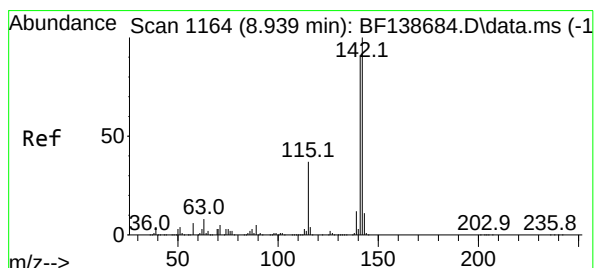
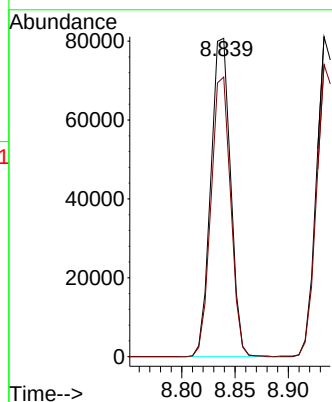
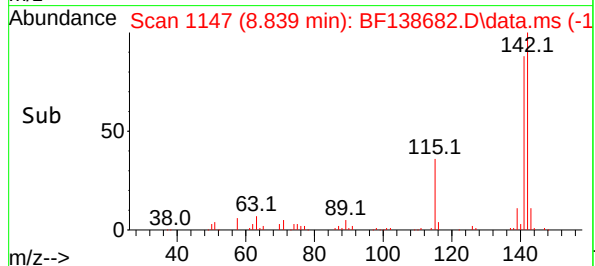
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 10409
Ion Ratio Lower Upper
142 100
141 87.8 70.8 106.2

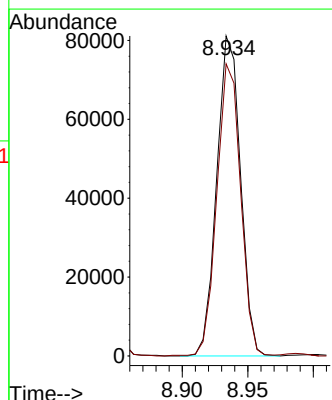
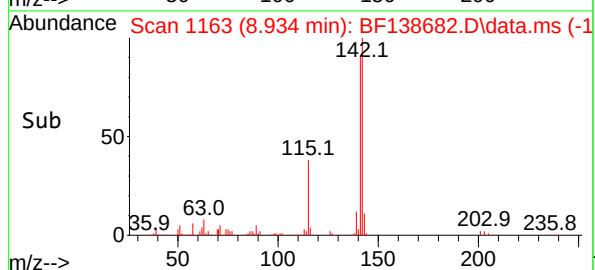
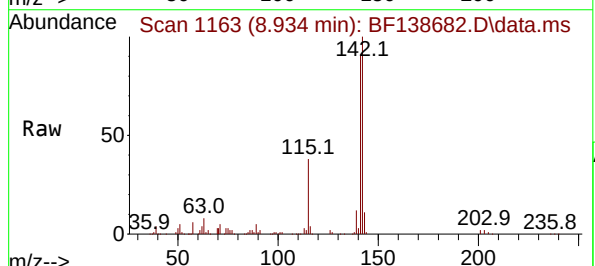
Manual Integrations
APPROVED

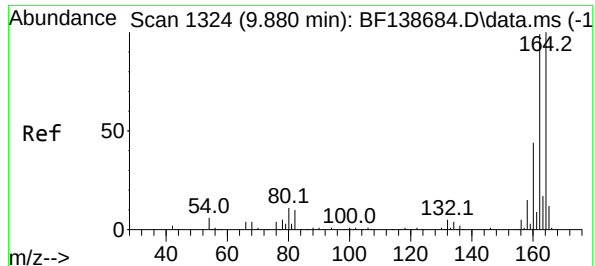
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#38
1-Methylnaphthalene
Concen: 10.521 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:142 Resp: 102100
Ion Ratio Lower Upper
142 100
141 91.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138682.D

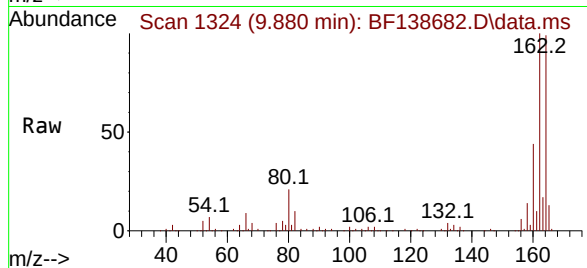
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 16224

Ion Ratio Lower Upper

164 100

162 101.3 79.4 119.0

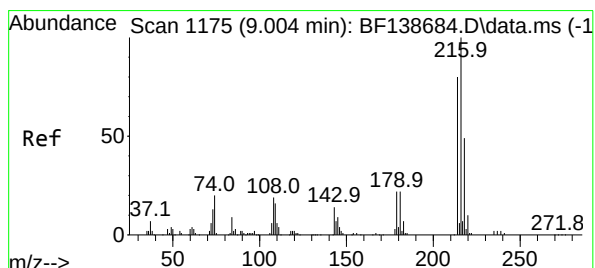
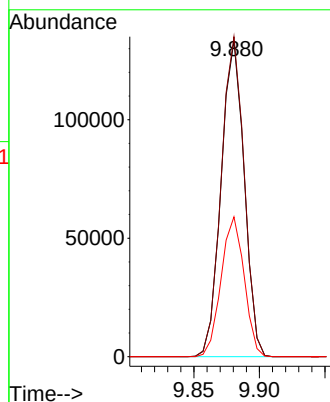
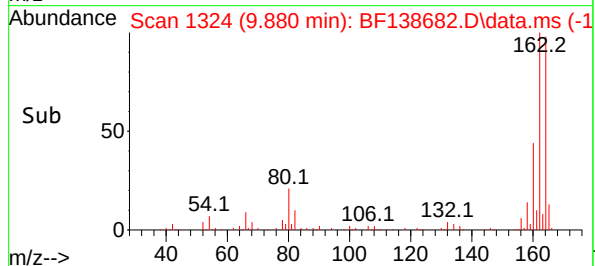
160 44.3 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.082 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Tgt Ion:216 Resp: 45439

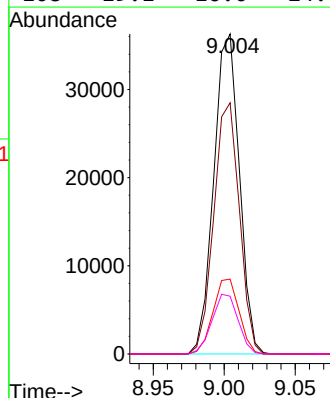
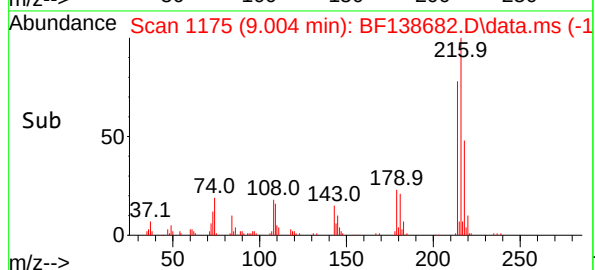
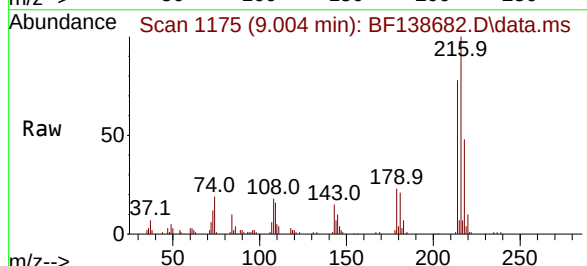
Ion Ratio Lower Upper

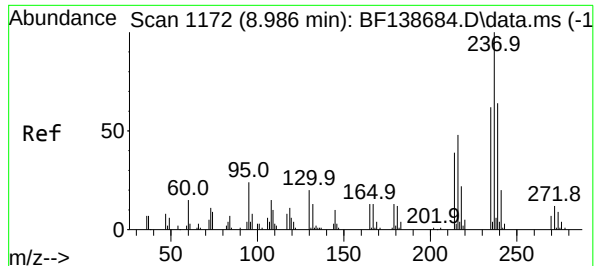
216 100

214 78.4 63.9 95.9

179 23.9 17.8 26.6

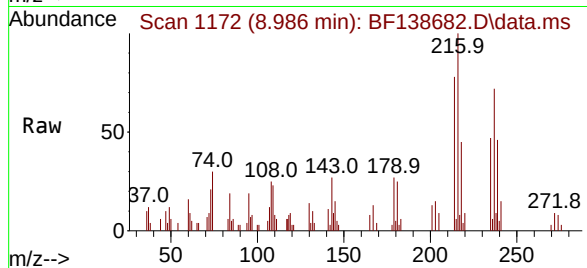
108 19.1 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 10.915 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

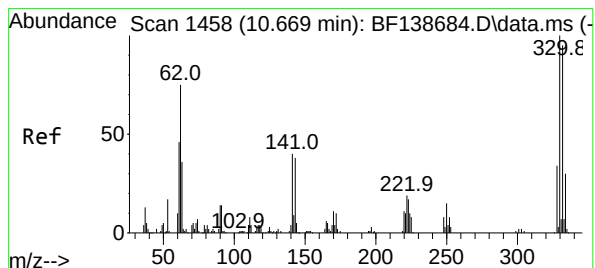
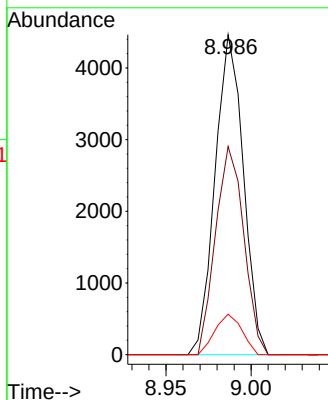
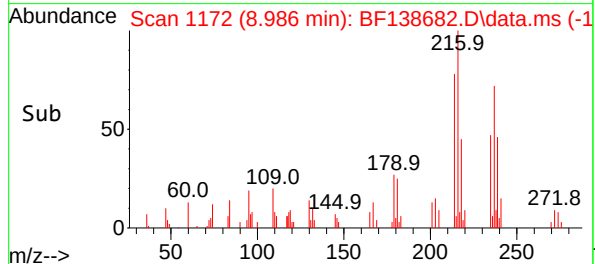
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



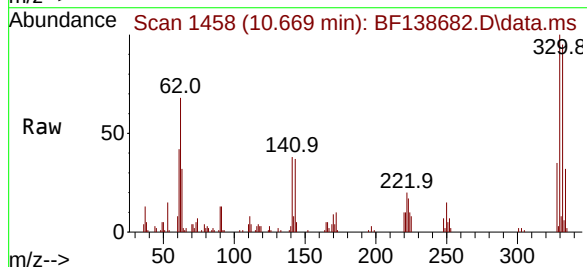
Tgt Ion: 237 Resp: 516
Ion Ratio Lower Upper
237 100
235 65.1 41.8 81.8
272 12.6 0.0 32.2

Manual Integrations
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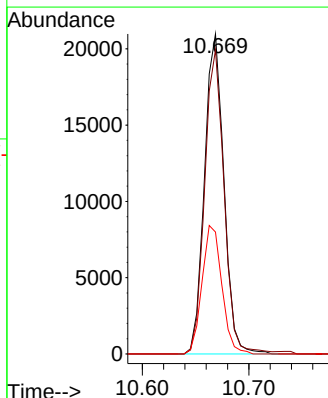
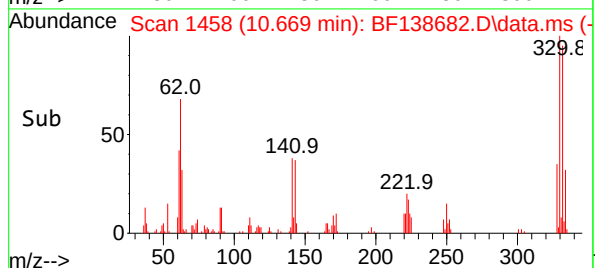
Reviewed By : Yogesh Patel 07/31/2024
Supervised By : mohammad ahmed 07/31/2024

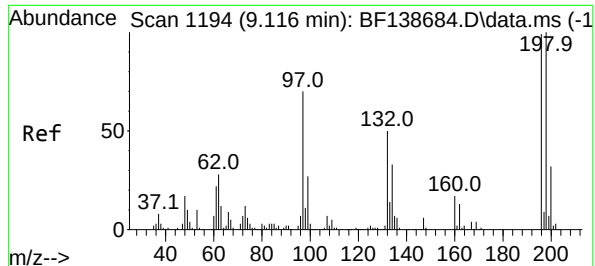


#42
2,4,6-Tribromophenol
Concen: 20.011 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



Tgt Ion: 330 Resp: 26595
Ion Ratio Lower Upper
330 100
332 95.6 76.4 114.6
141 41.0 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 9.985 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF138682.D

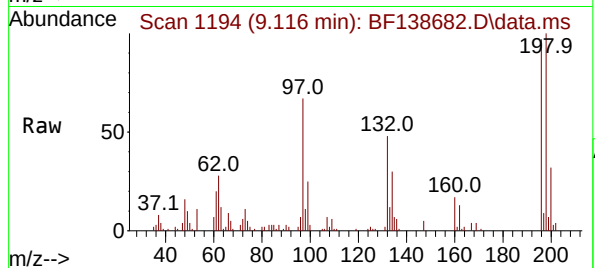
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 27439

Ion Ratio Lower Upper

196 100

198 102.7 80.5 120.7

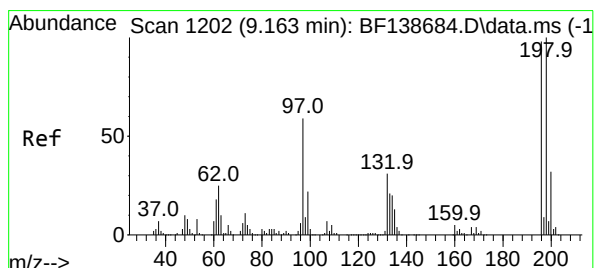
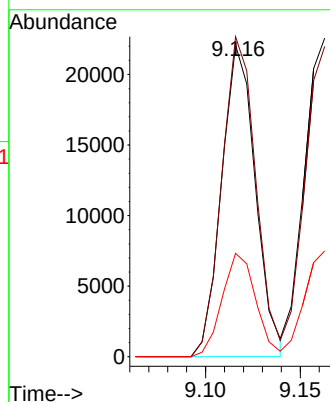
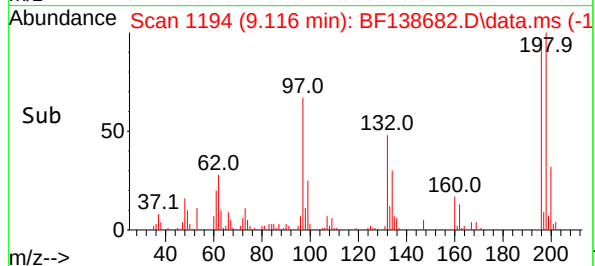
200 33.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#44

2,4,5-Trichlorophenol

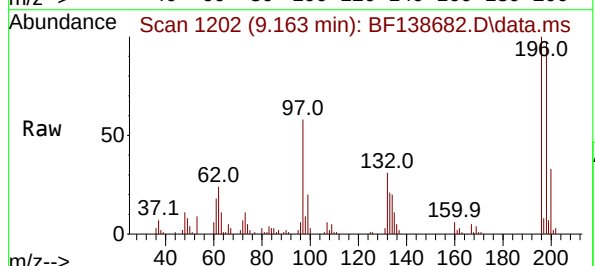
Concen: 10.247 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56



Tgt Ion:196 Resp: 30782

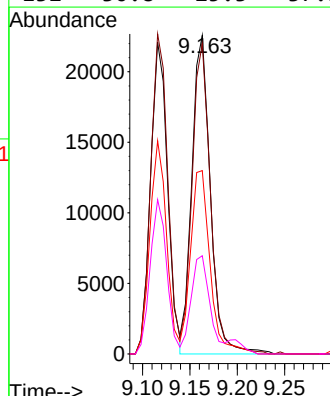
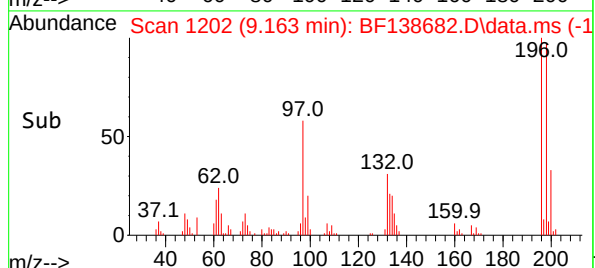
Ion Ratio Lower Upper

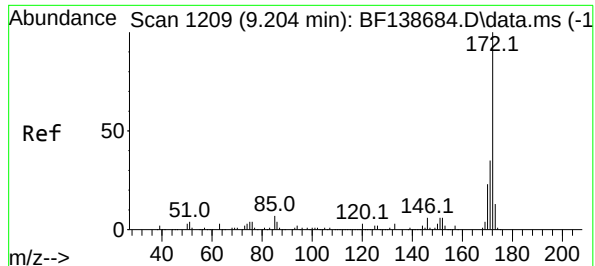
196 100

198 97.4 81.2 121.8

97 57.6 47.8 71.6

132 30.8 25.3 37.9





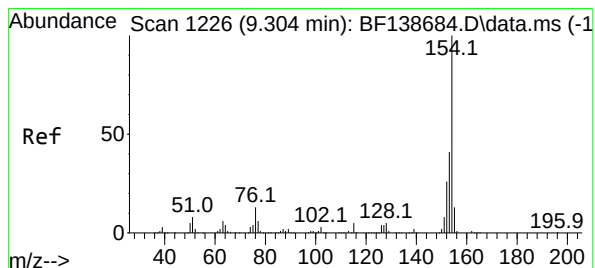
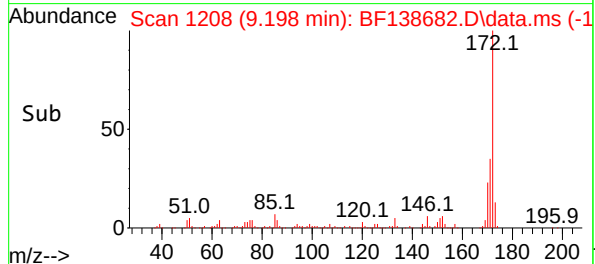
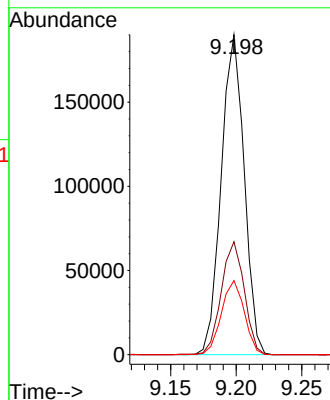
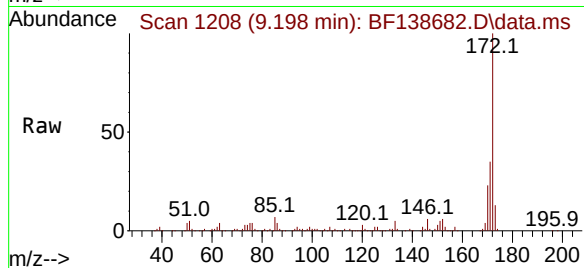
#45
2-Fluorobiphenyl
Concen: 21.392 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 231000
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.2 18.8 28.2

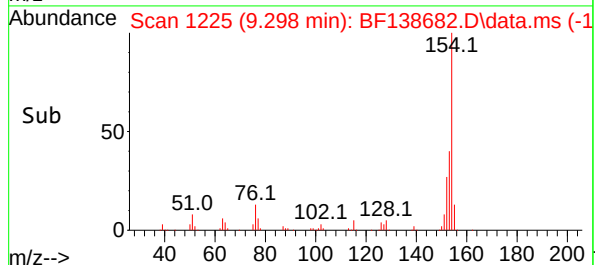
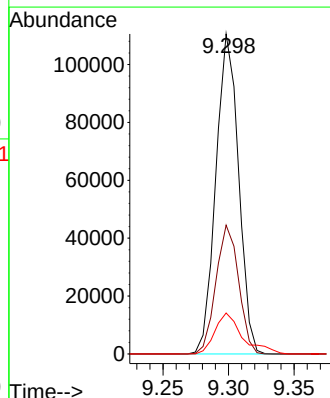
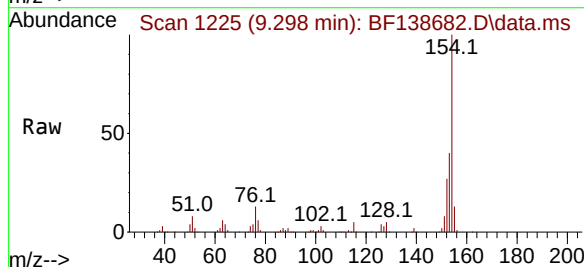
Manual Integrations
APPROVED

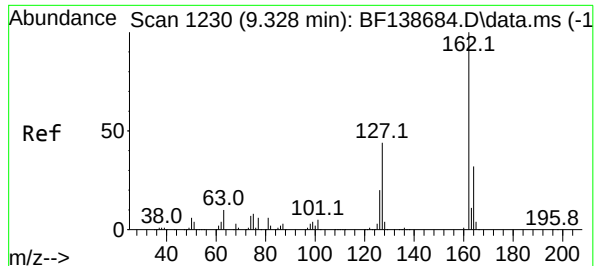
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#46
1,1'-Biphenyl
Concen: 10.441 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:154 Resp: 132668
Ion Ratio Lower Upper
154 100
153 40.2 20.8 60.8
76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 10.354 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 97850

Ion Ratio Lower Upper

162 100

127 41.4 35.4 53.2

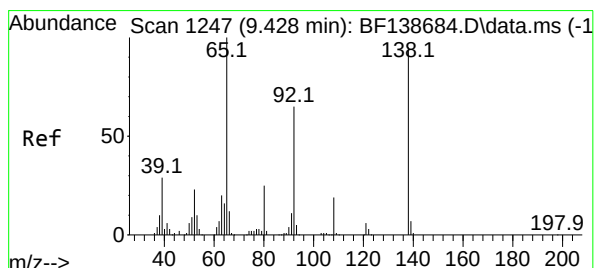
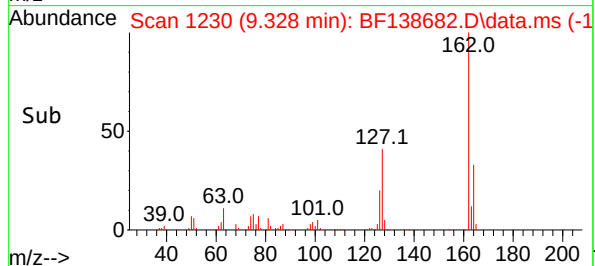
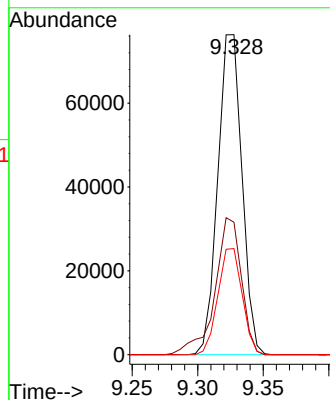
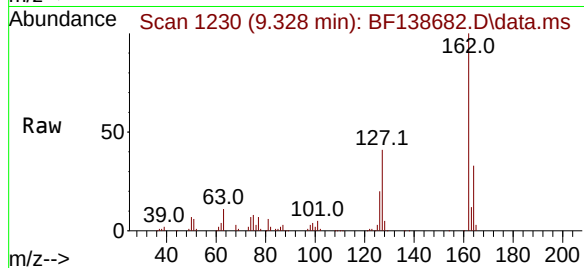
164 33.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#48

2-Nitroaniline

Concen: 10.216 ng

RT: 9.422 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

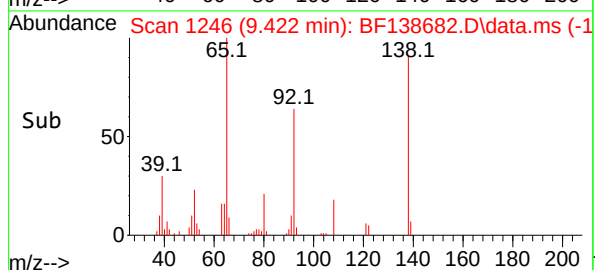
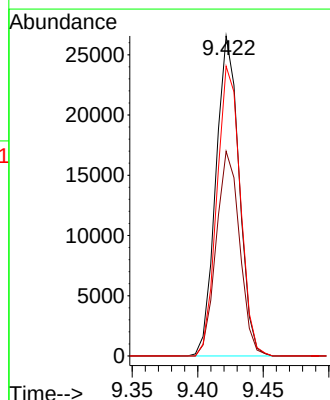
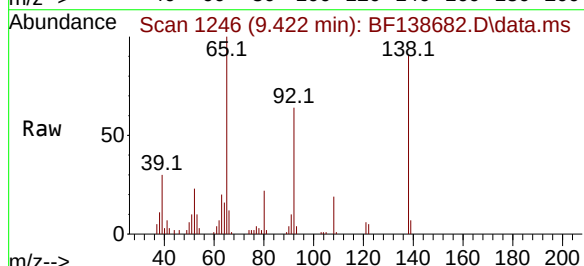
Tgt Ion: 65 Resp: 32731

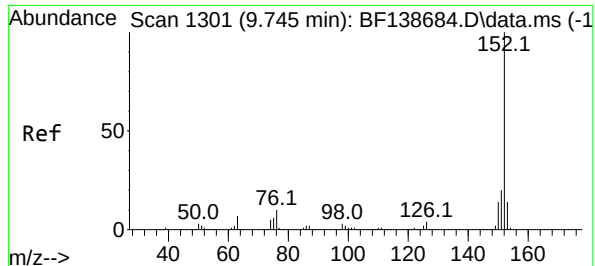
Ion Ratio Lower Upper

65 100

92 63.9 52.0 78.0

138 90.5 76.2 114.4





#49

Acenaphthylene

Concen: 10.552 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 141438

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

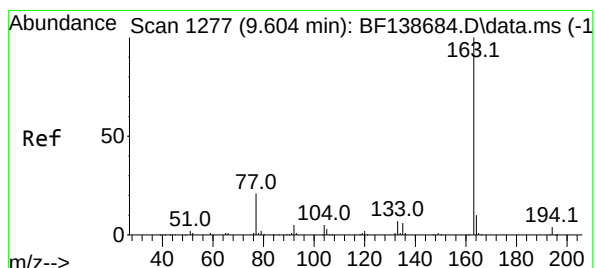
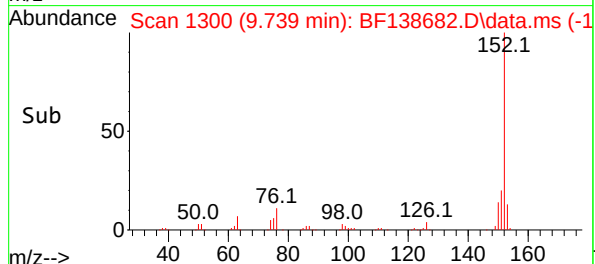
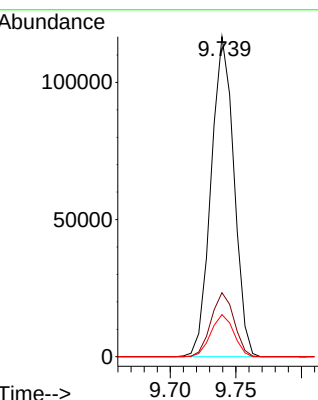
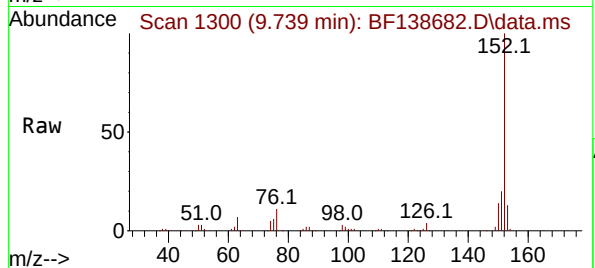
153 13.2 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#50

Dimethylphthalate

Concen: 10.139 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

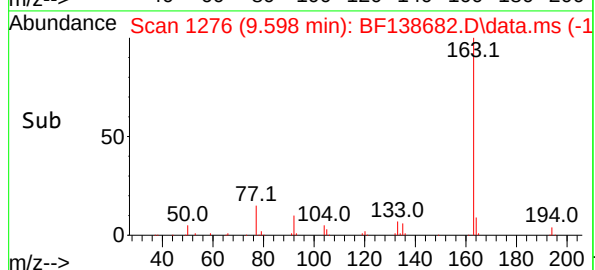
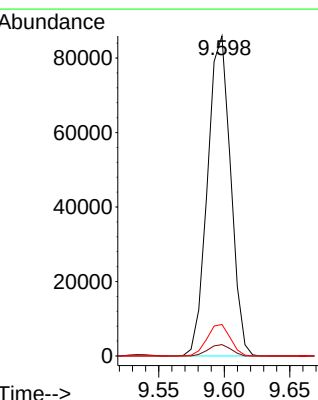
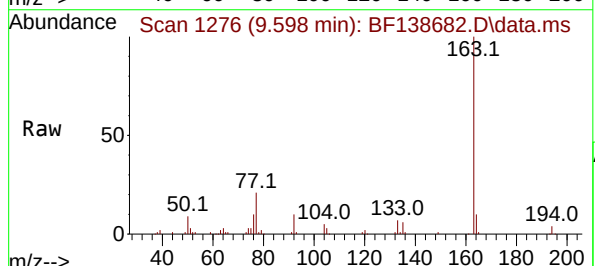
Tgt Ion:163 Resp: 105187

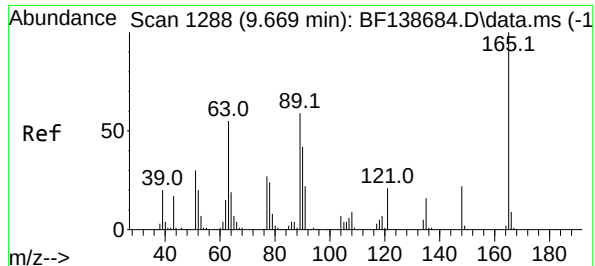
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

164 9.8 7.8 11.8





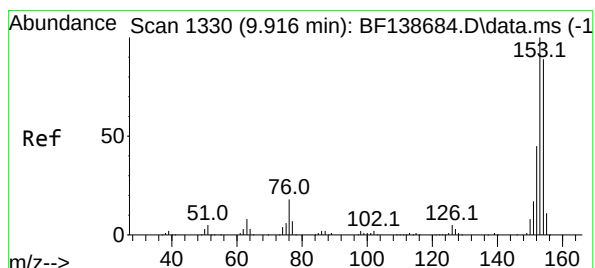
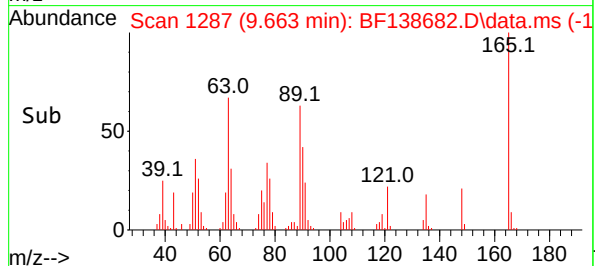
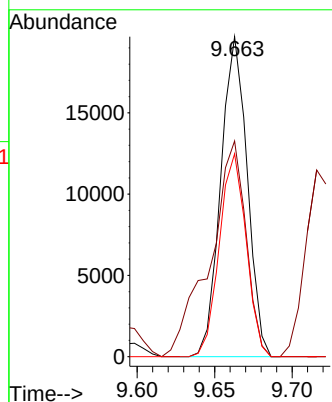
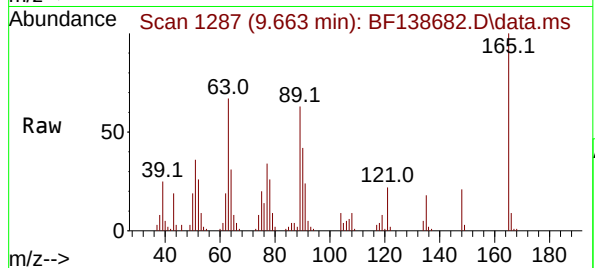
#51
2,6-Dinitrotoluene
Concen: 9.974 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 2335
Ion Ratio Lower Upper
165 100
63 67.4 52.0 78.0
89 63.4 47.0 70.6

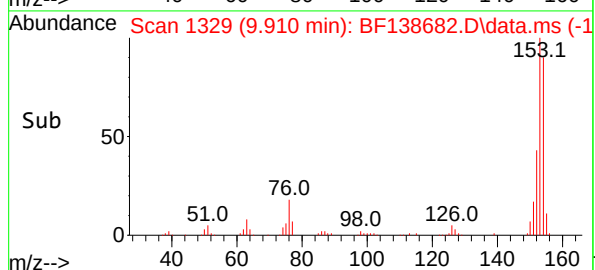
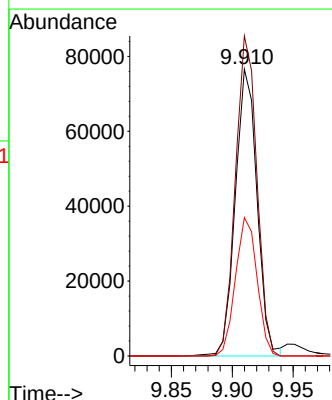
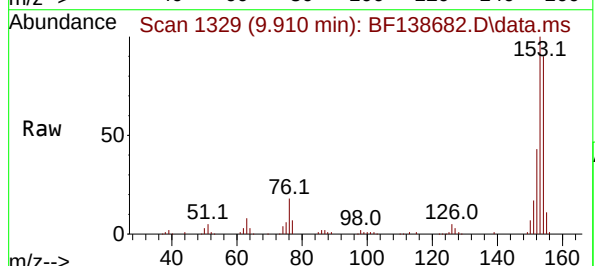
Manual Integrations
APPROVED

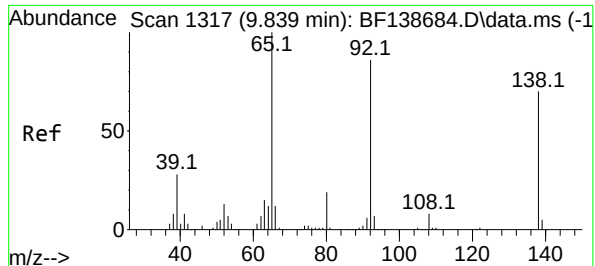
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#52
Acenaphthene
Concen: 10.560 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:154 Resp: 95143
Ion Ratio Lower Upper
154 100
153 111.6 89.9 134.9
152 48.3 40.6 60.8





#53
3-Nitroaniline
Concen: 10.062 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

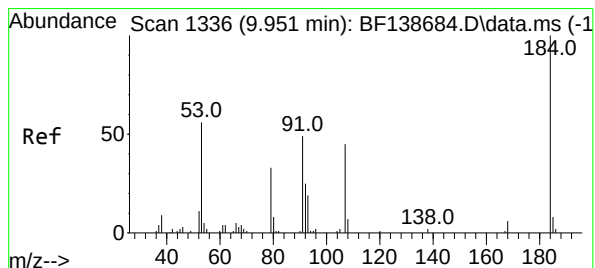
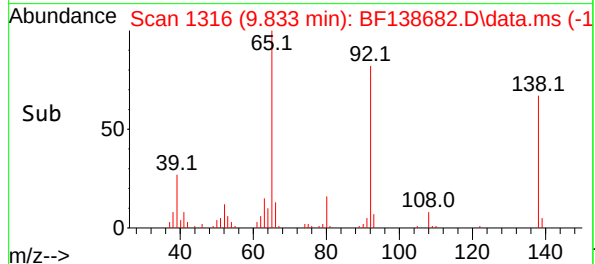
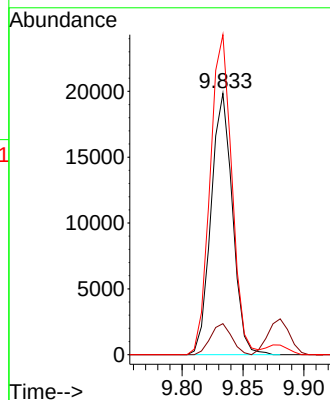
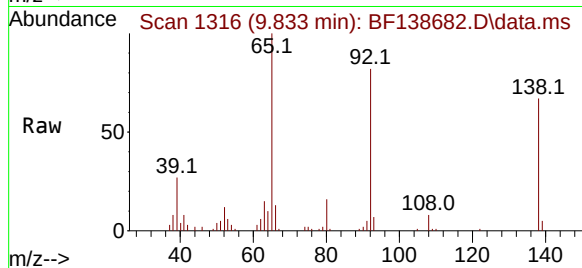
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	122.5	98.7	148.1

Manual Integrations

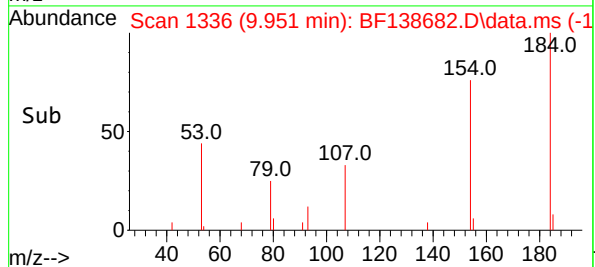
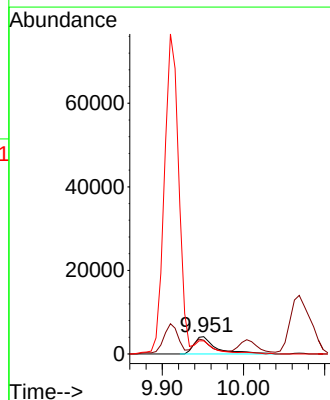
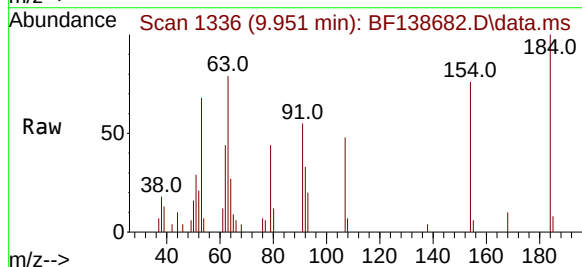
APPROVED

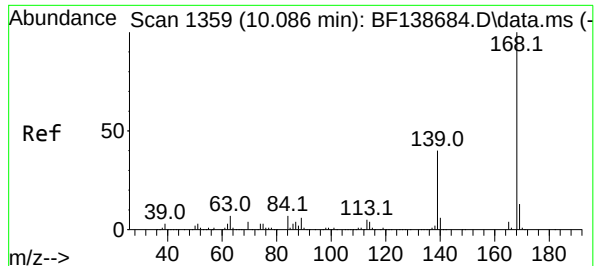
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#54
2,4-Dinitrophenol
Concen: 7.337 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion	Ratio	Lower	Upper
184	100		
63	79.4	57.5	86.3
154	75.8	51.7	77.5





#55

Dibenzofuran

Concen: 10.717 ng

RT: 10.080 min Scan# 1359

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 136302

Ion Ratio Lower Upper

168 100

139 39.8 32.6 49.0

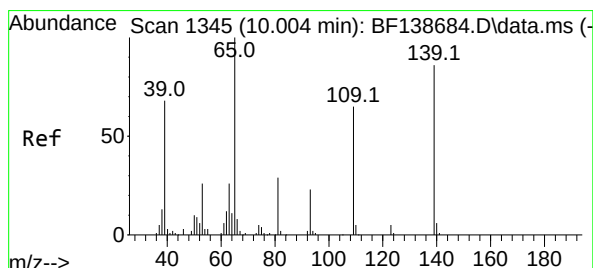
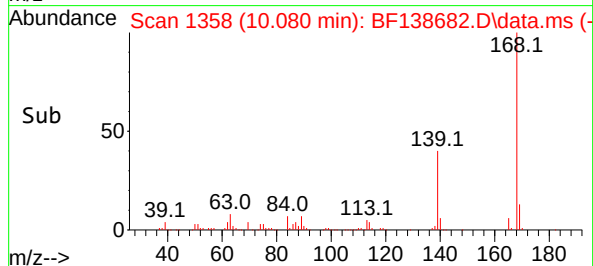
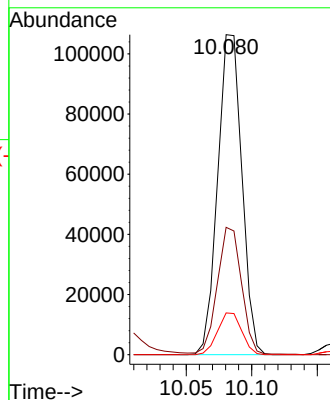
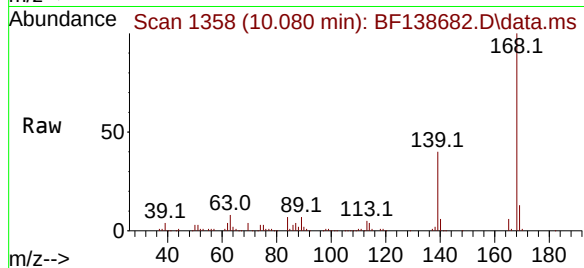
169 13.0 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#56

4-Nitrophenol

Concen: 8.687 ng

RT: 10.004 min Scan# 1345

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

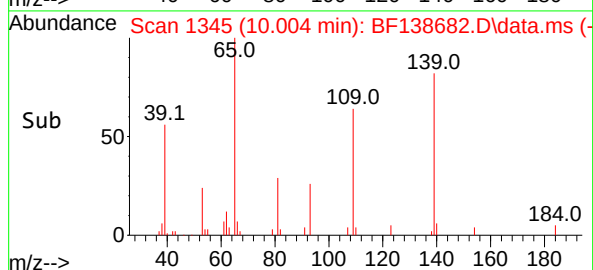
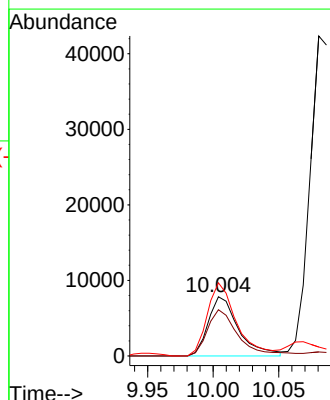
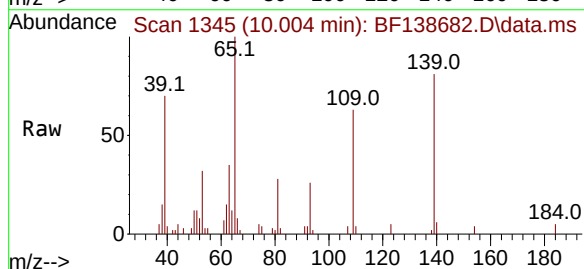
Tgt Ion:139 Resp: 12643

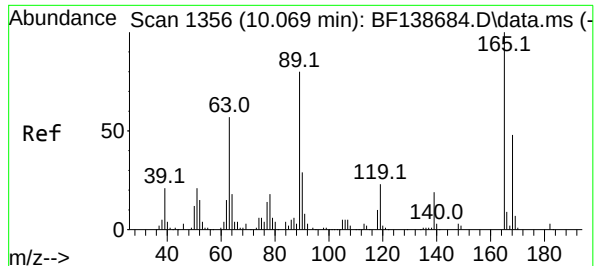
Ion Ratio Lower Upper

139 100

109 78.0 55.5 95.5

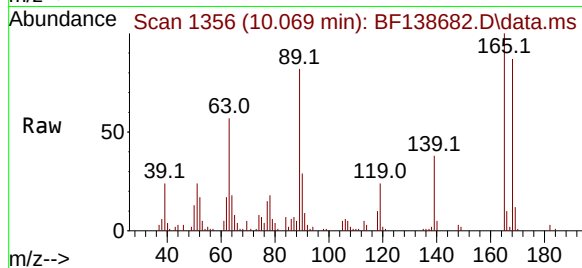
65 123.5 96.7 136.7





#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

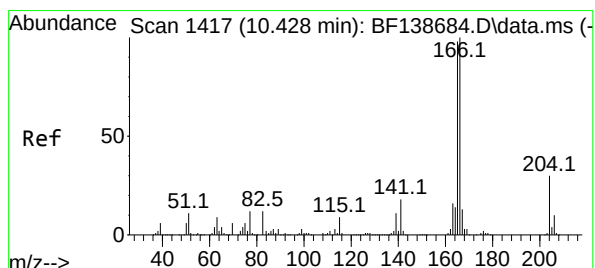
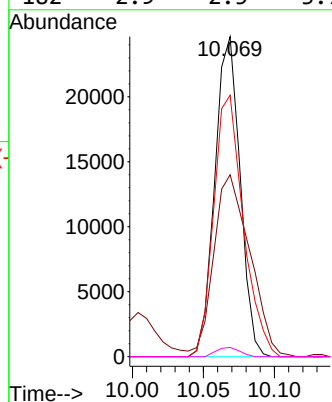
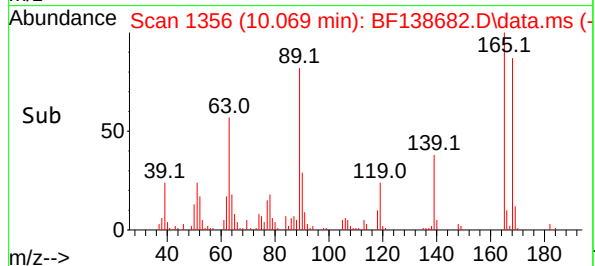
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



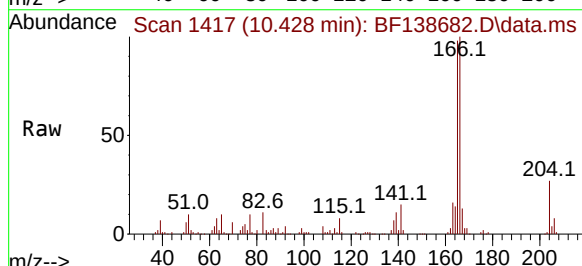
Tgt Ion:165 Resp: 30462
Ion Ratio Lower Upper
165 100
63 56.8 46.3 69.5
89 81.7 64.2 96.4
182 2.9 2.5 3.7

Manual Integrations
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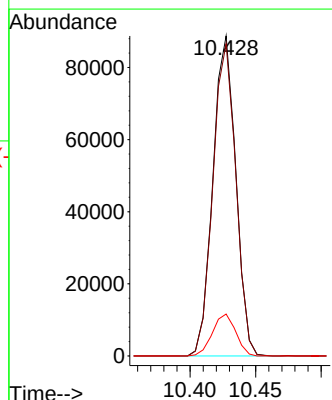
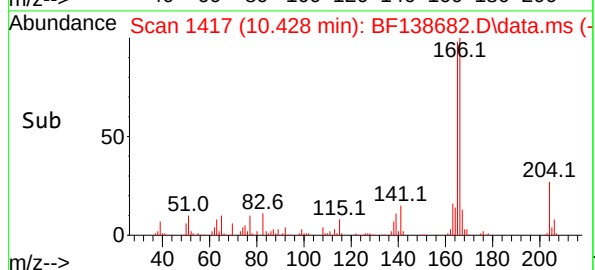
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

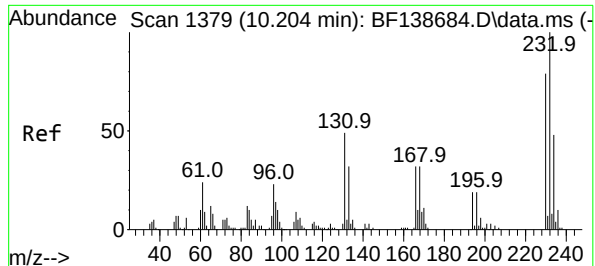


#58
Fluorene
Concen: 10.622 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



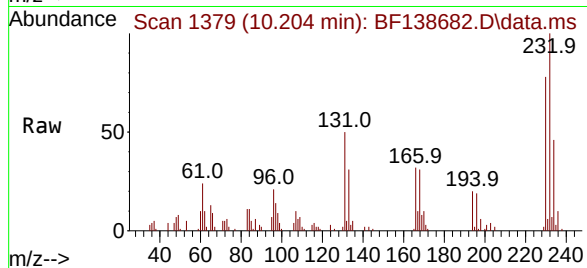
Tgt Ion:166 Resp: 107585
Ion Ratio Lower Upper
166 100
165 97.6 78.4 117.6
167 13.1 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.872 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

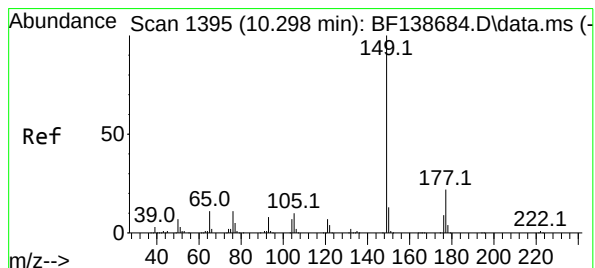
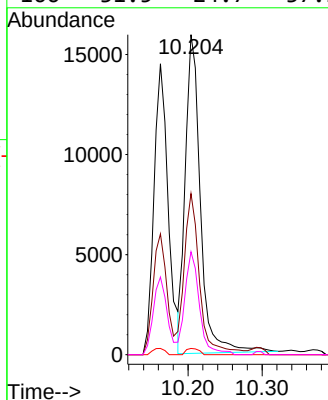
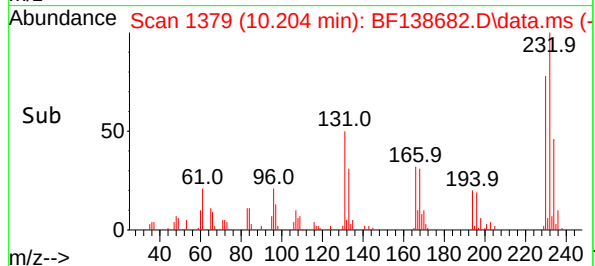
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 22672
Ion Ratio Lower Upper
232 100
131 52.2 37.0 55.4
130 1.6 2.0 3.0
166 31.5 24.7 37.1

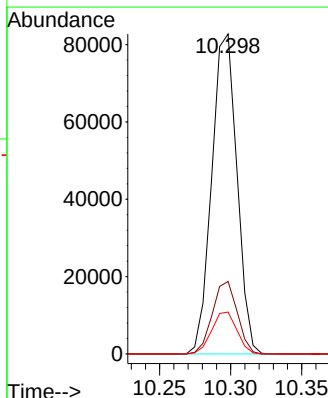
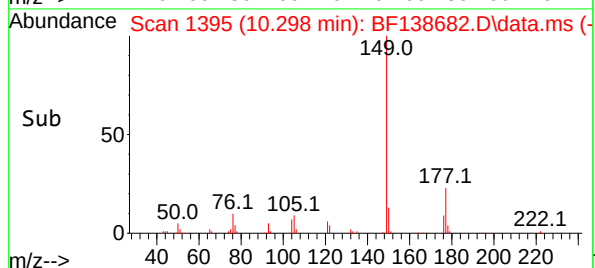
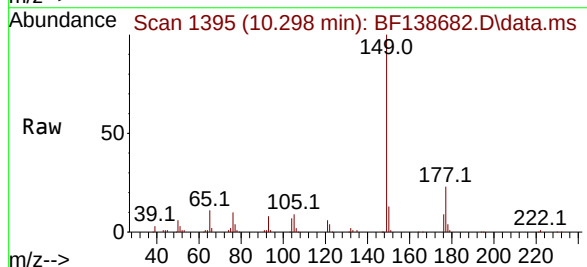
Manual Integrations
APPROVED

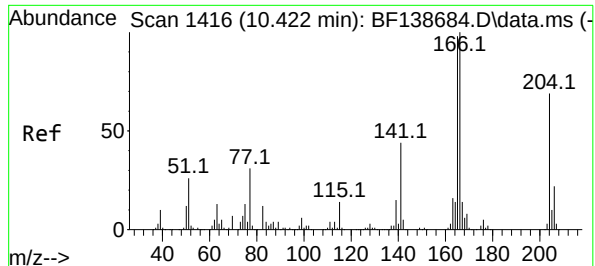
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#60
Diethylphthalate
Concen: 10.381 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 102108
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.8
150 13.1 10.1 15.1





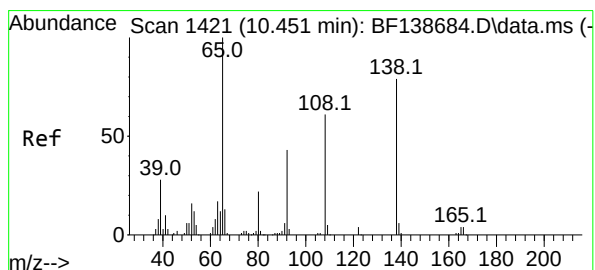
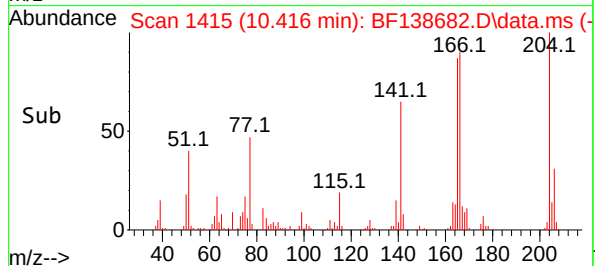
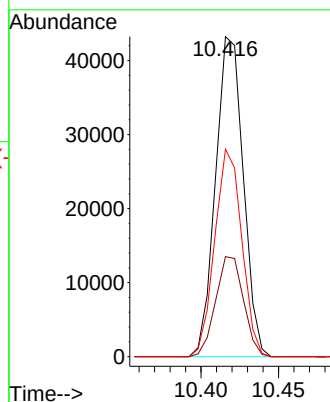
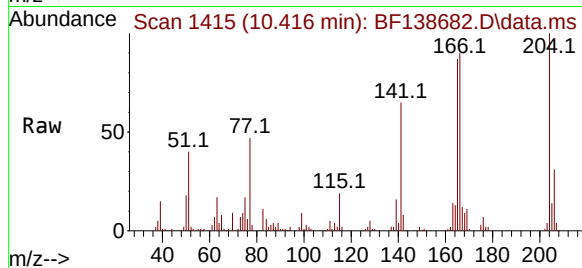
#61
4-Chlorophenyl-phenylether
Concen: 10.814 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 53870
Ion Ratio Lower Upper
204 100
206 31.3 26.1 39.1
141 64.8 51.4 77.0

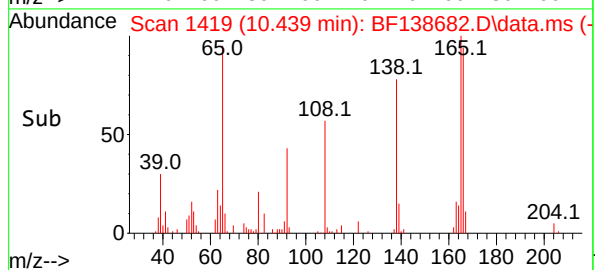
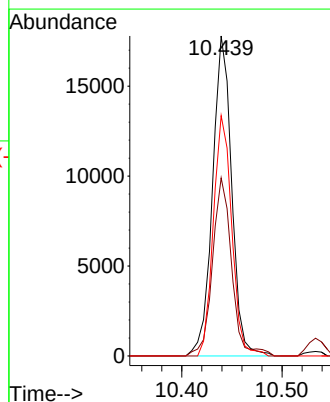
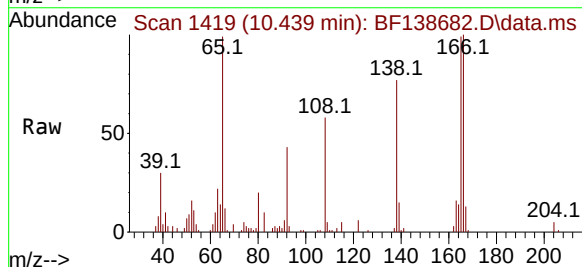
Manual Integrations
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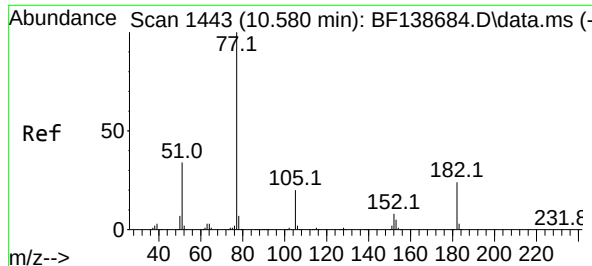
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#62
4-Nitroaniline
Concen: 10.284 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

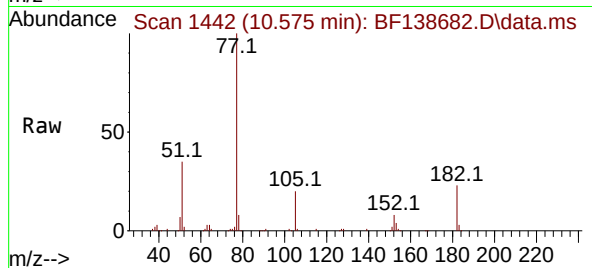
Tgt Ion:138 Resp: 23653
Ion Ratio Lower Upper
138 100
92 55.6 34.2 74.2
108 75.1 56.2 96.2





#63
Azobenzene
Concen: 10.347 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

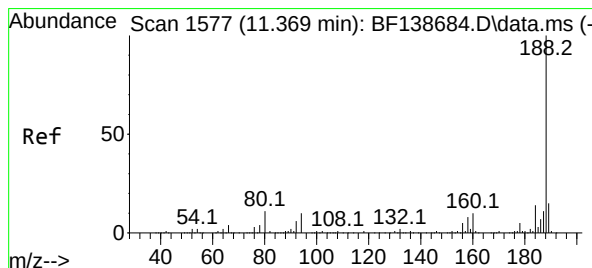
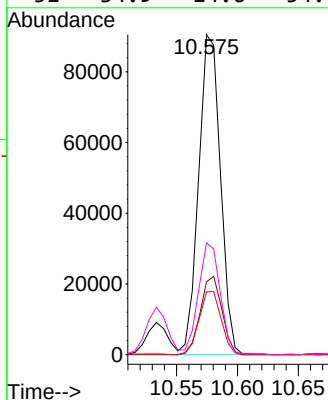
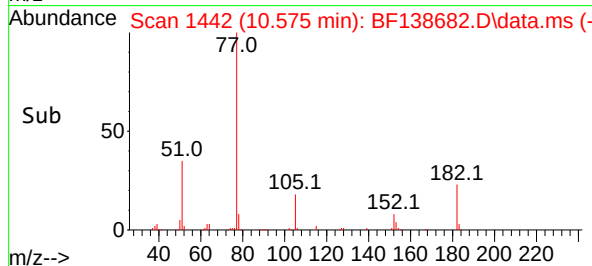
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 112880
Ion Ratio Lower Upper
77 100
182 22.7 3.4 43.4
105 19.7 0.2 40.2
51 34.9 14.6 54.6

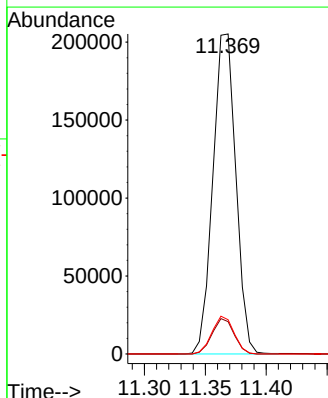
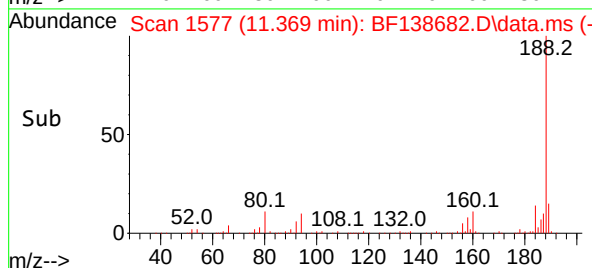
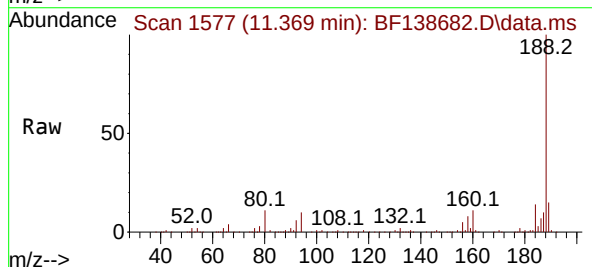
Manual Integrations
APPROVED

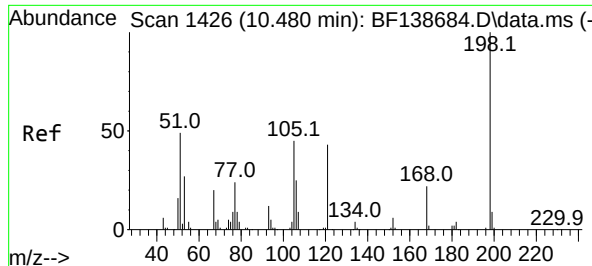
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

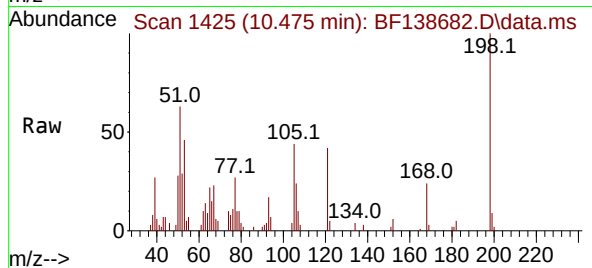
Tgt Ion:188 Resp: 269225
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 10.7 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 8.733 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.005 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

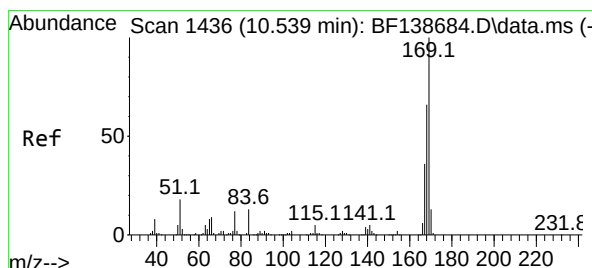
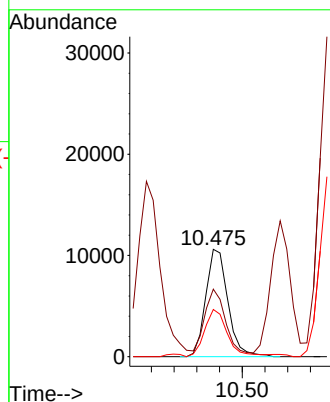
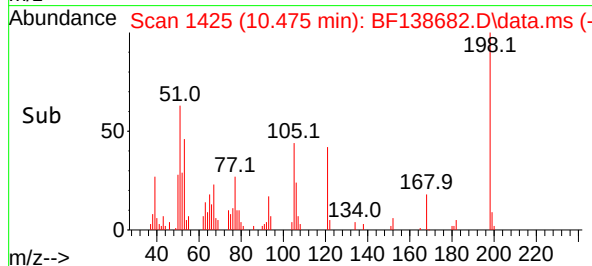
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:198 Resp: 1434
Ion Ratio Lower Upper
198 100
51 62.9 39.9 79.9
105 43.9 26.1 66.1

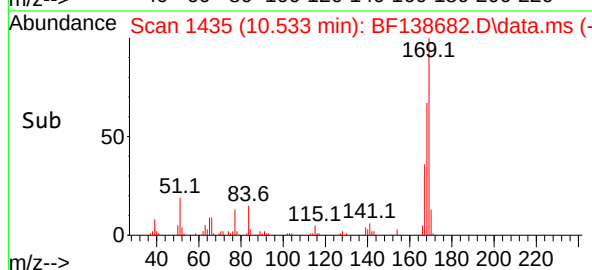
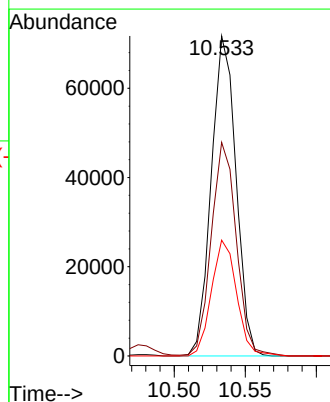
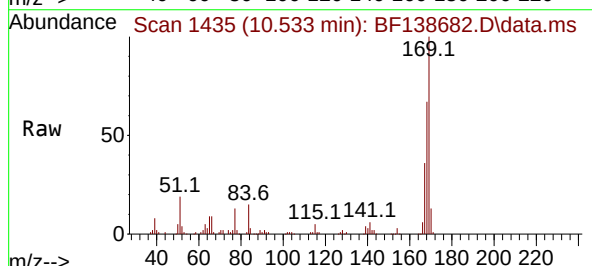
Manual Integrations
APPROVED

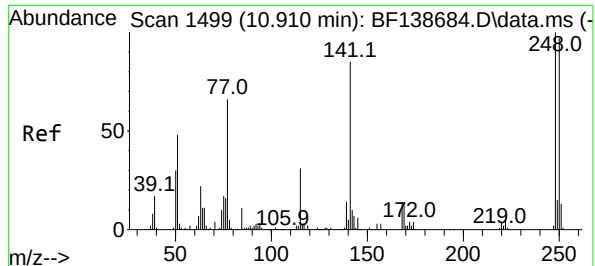
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#66
n-Nitrosodiphenylamine
Concen: 10.316 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

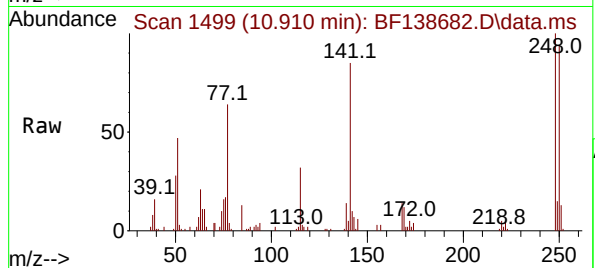
Tgt Ion:169 Resp: 86813
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.2 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 10.124 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

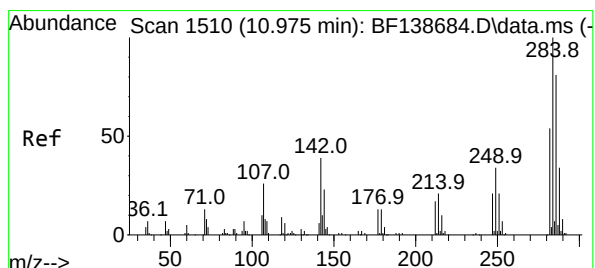
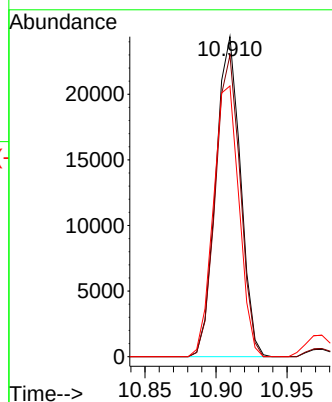
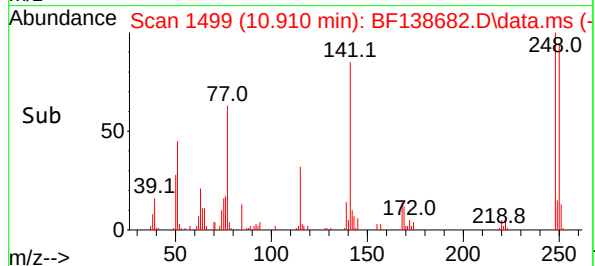
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:248 Resp: 29510
Ion Ratio Lower Upper
248 100
250 94.2 77.7 116.5
141 84.6 68.0 102.0

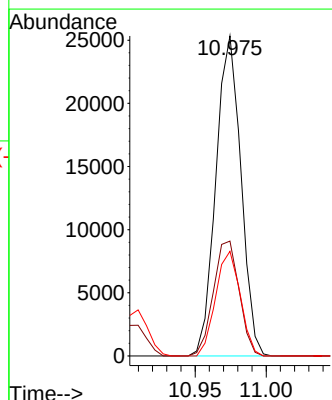
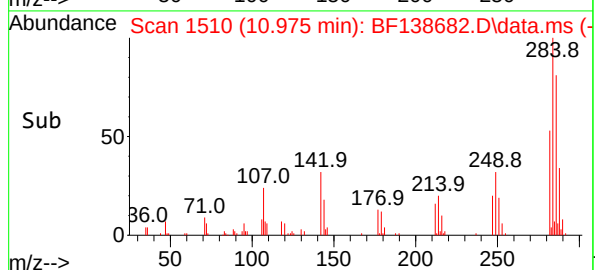
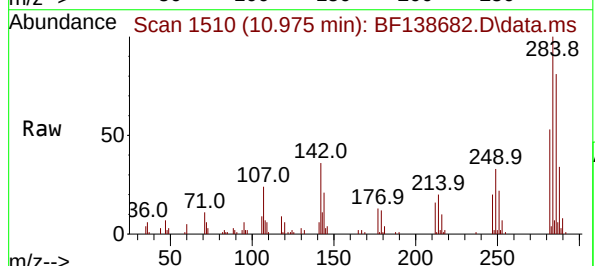
Manual Integrations
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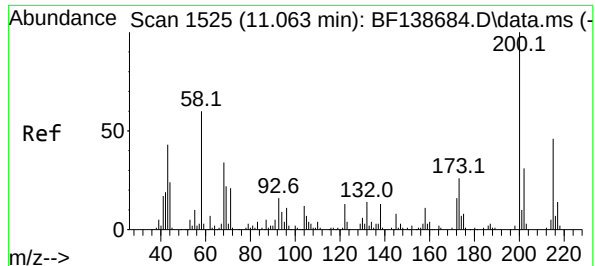
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#68
Hexachlorobenzene
Concen: 10.317 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:284 Resp: 31049
Ion Ratio Lower Upper
284 100
142 35.9 31.3 46.9
249 32.7 27.2 40.8





#69

Atrazine

Concen: 10.680 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

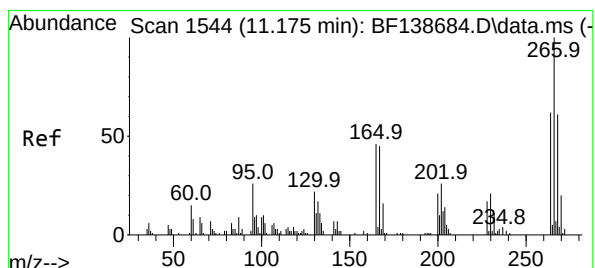
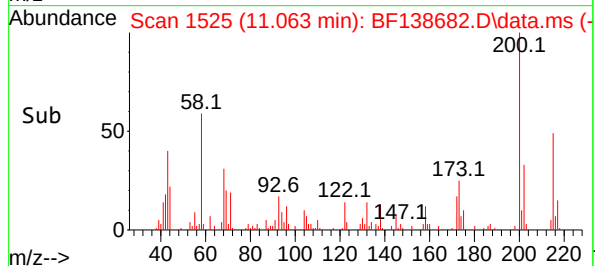
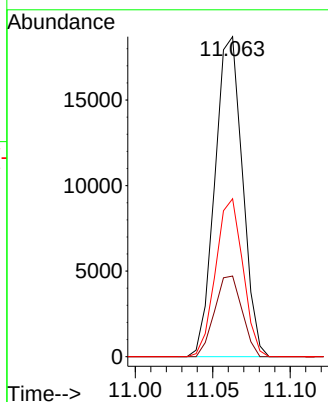
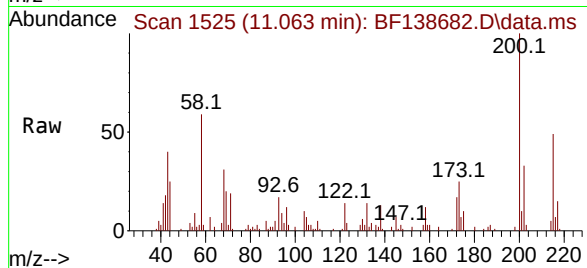
Tgt Ion:200 Resp: 23189
Ion Ratio Lower Upper
200 100
173 25.2 6.0 46.0
215 49.3 26.1 66.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#70

Pentachlorophenol

Concen: 7.661 ng

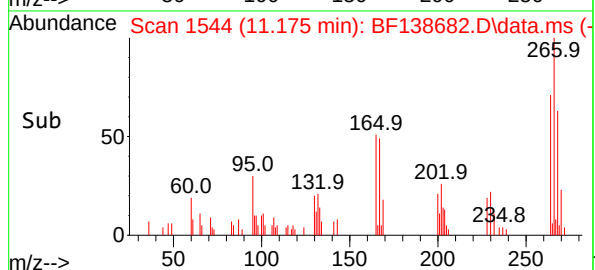
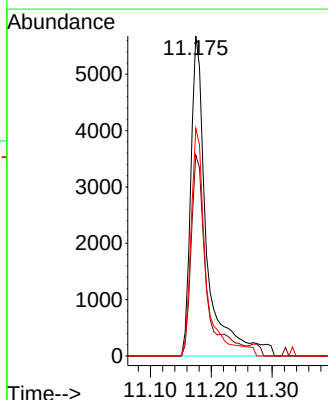
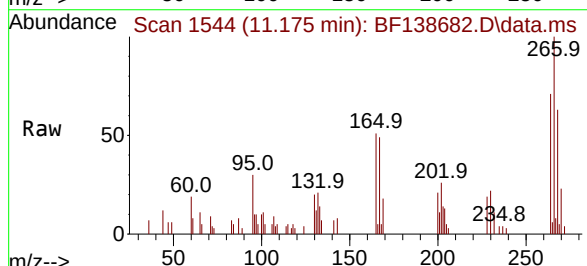
RT: 11.175 min Scan# 1544

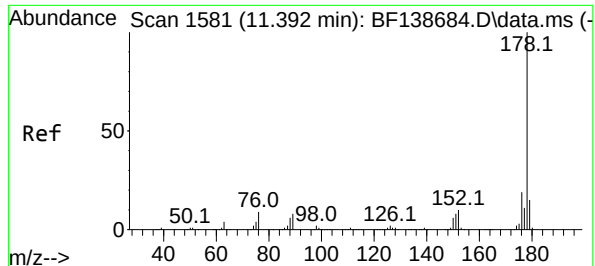
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

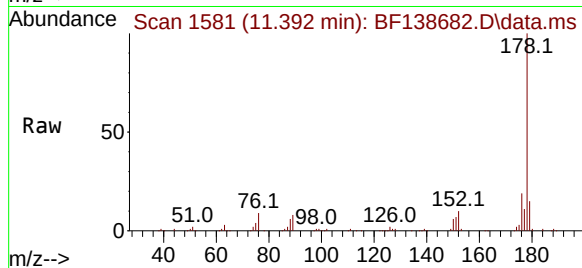
Tgt Ion:266 Resp: 10392
Ion Ratio Lower Upper
266 100
268 62.8 49.2 73.8
264 71.1 49.8 74.6





#71
Phenanthrene
Concen: 10.766 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

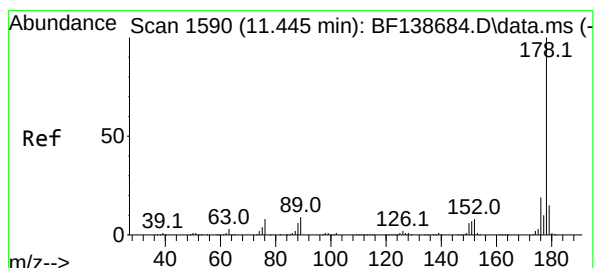
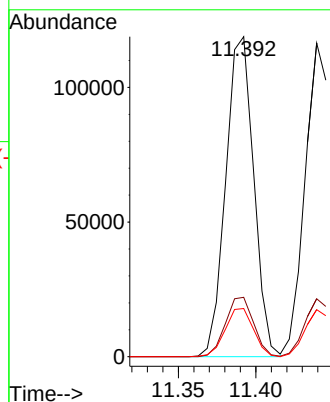
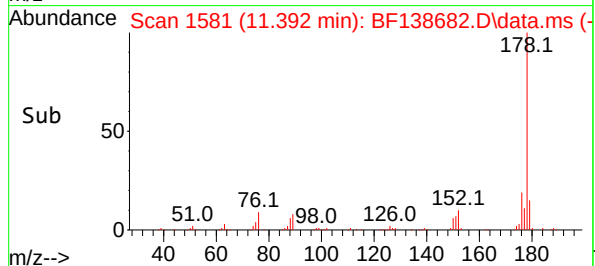
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 14925
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.1 12.2 18.2

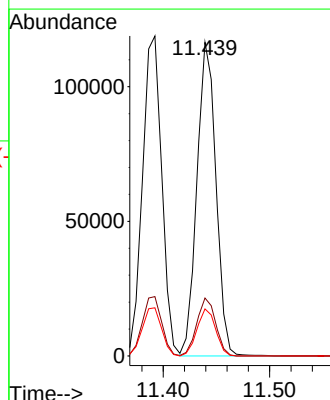
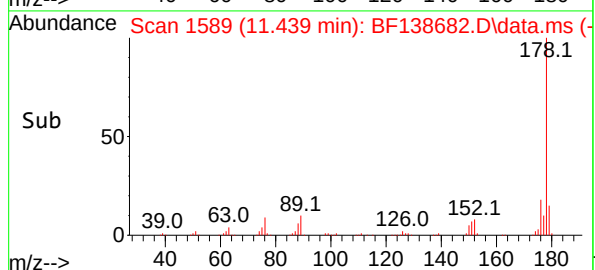
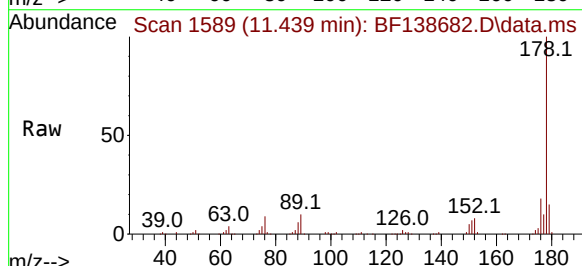
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APPROVED

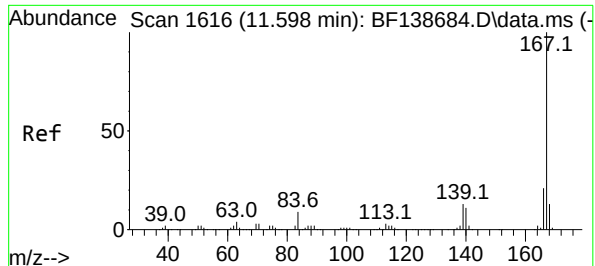
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#72
Anthracene
Concen: 10.620 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

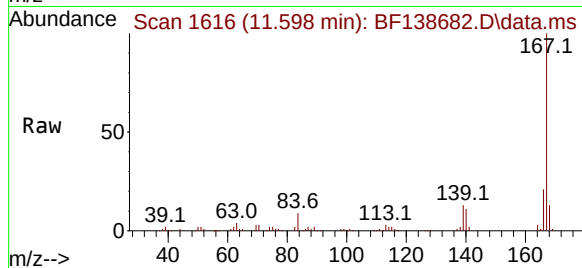
Tgt Ion:178 Resp: 145043
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.0 12.4 18.6





#73
Carbazole
Concen: 10.721 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

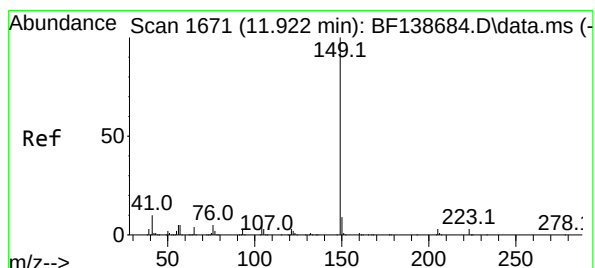
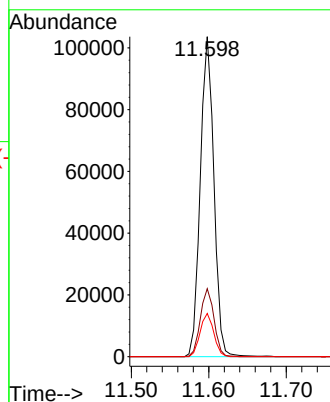
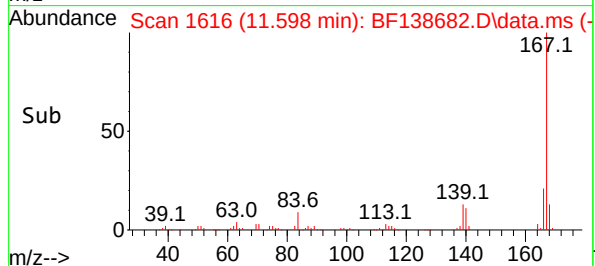
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



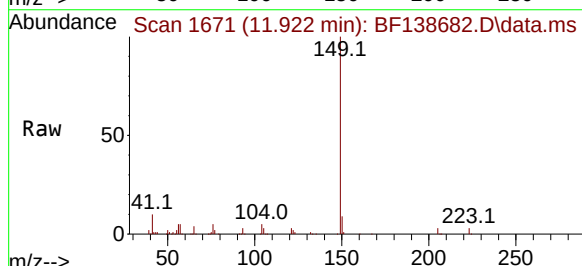
Tgt Ion:167 Resp: 12632
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 13.5 10.6 16.0

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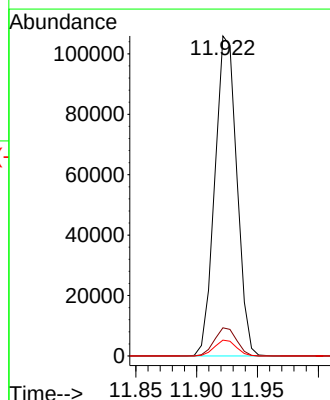
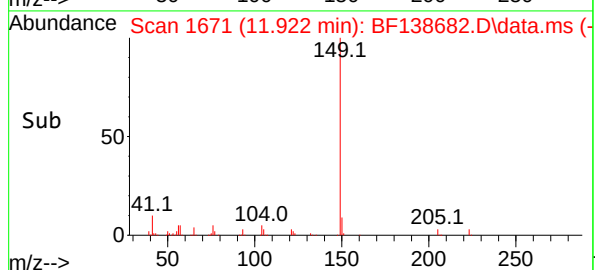
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

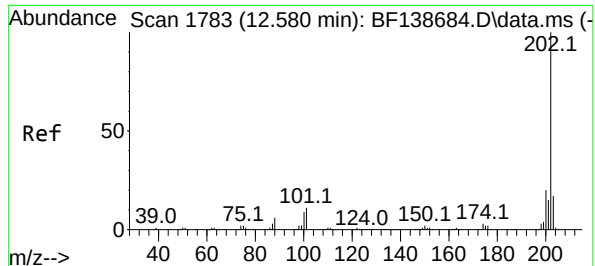


#74
Di-n-butylphthalate
Concen: 10.060 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



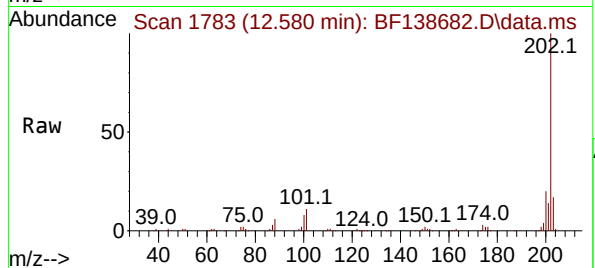
Tgt Ion:149 Resp: 133246
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 5.0 4.1 6.1





#75
Fluoranthene
Concen: 10.871 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

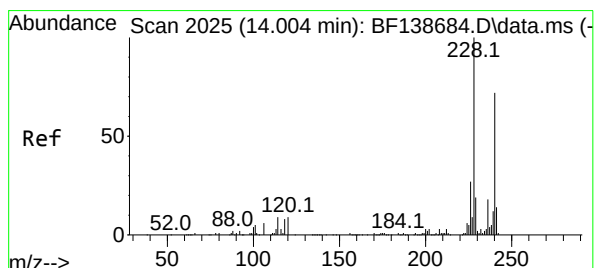
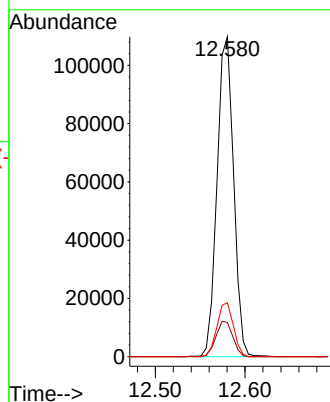
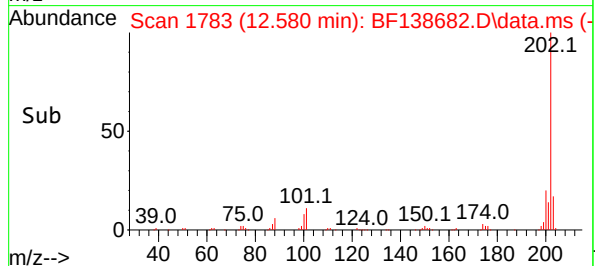
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 140690
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.2
203 16.8 0.0 37.3

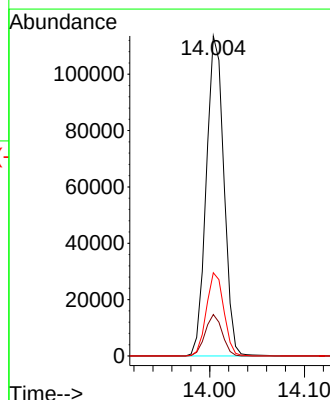
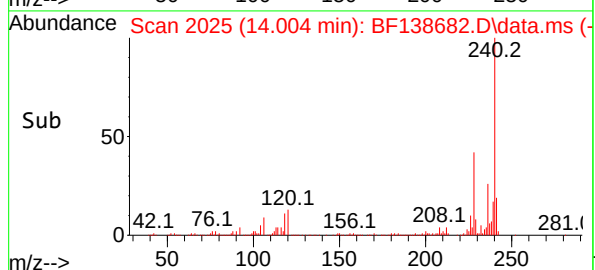
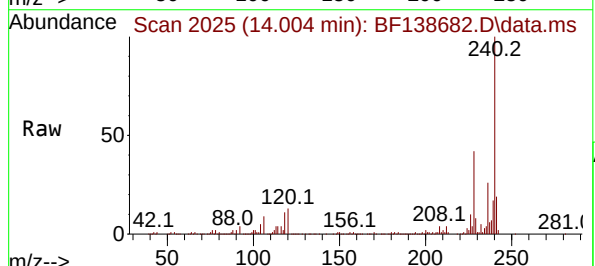
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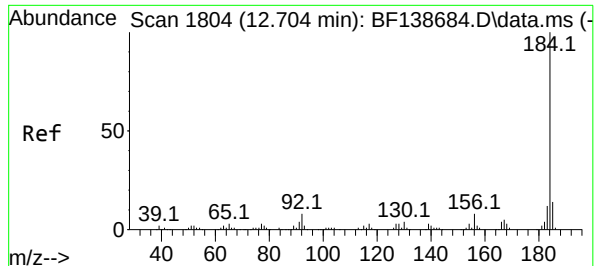
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:240 Resp: 146258
Ion Ratio Lower Upper
240 100
120 13.0 10.2 15.4
236 26.0 19.8 29.8





#77

Benzidine

Concen: 10.080 ng

RT: 12.704 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:184 Resp: 3526

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

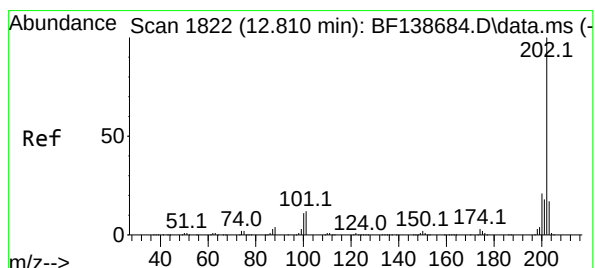
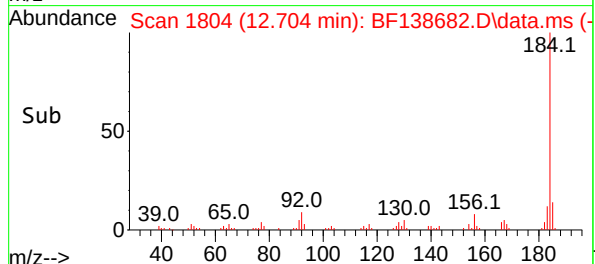
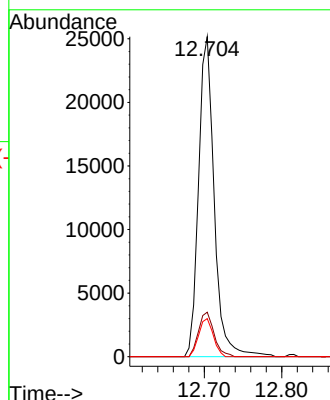
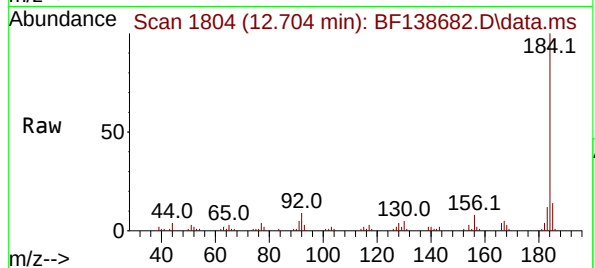
183 11.9 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#78

Pyrene

Concen: 10.400 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

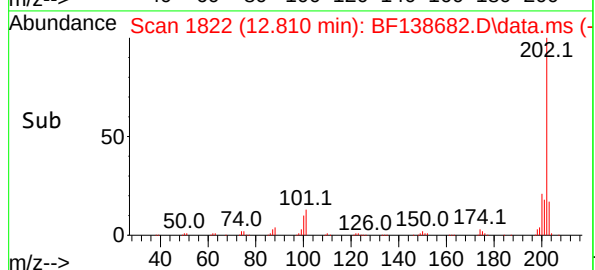
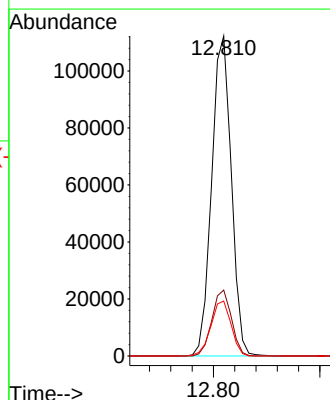
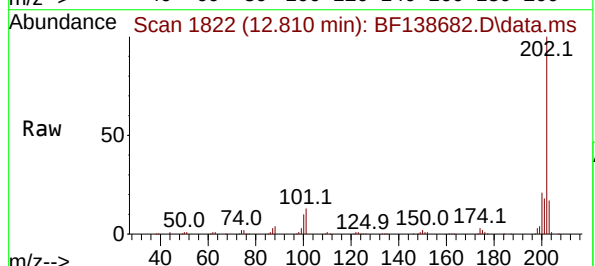
Tgt Ion:202 Resp: 143221

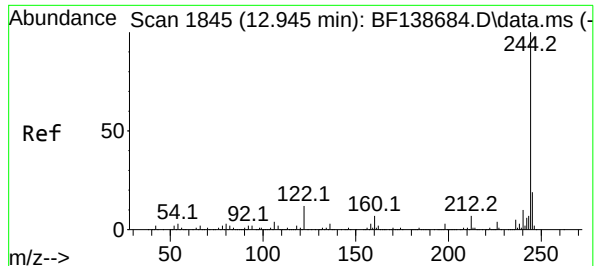
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 21.187 ng

RT: 12.945 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF138682.D

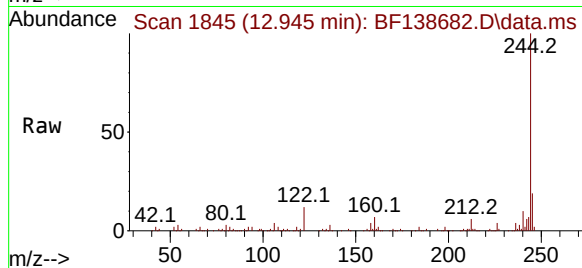
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



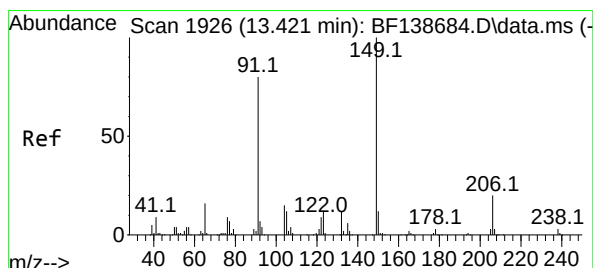
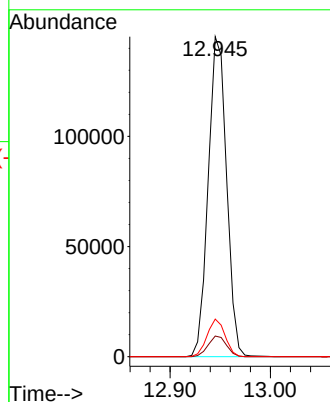
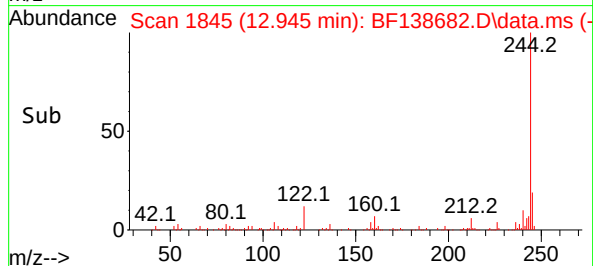
Tgt Ion:	244	Resp:	185079
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.2
122	11.8	9.6	14.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#80

Butylbenzylphthalate

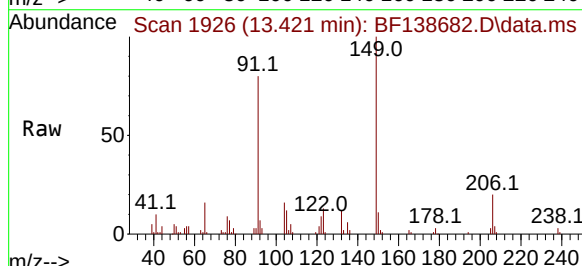
Concen: 9.472 ng

RT: 13.421 min Scan# 1926

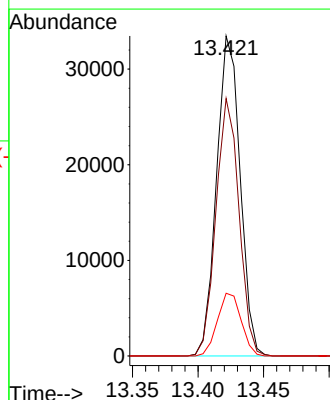
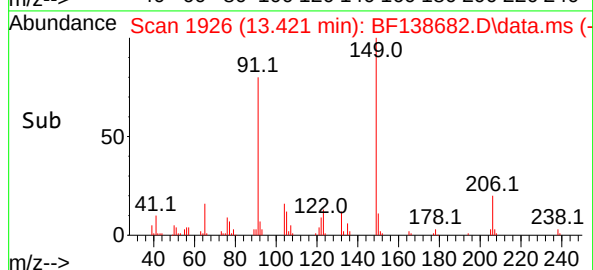
Delta R.T. -0.000 min

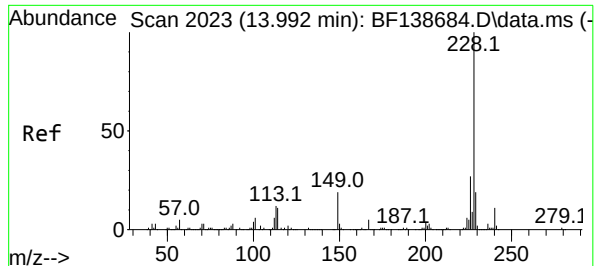
Lab File: BF138682.D

Acq: 30 Jul 2024 13:56



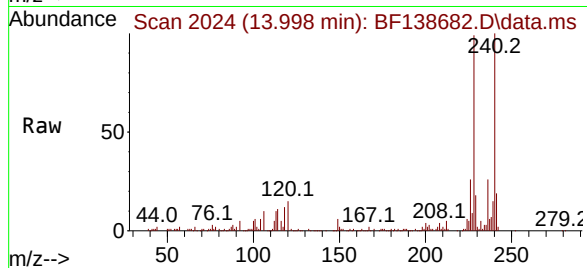
Tgt Ion:	149	Resp:	41771
Ion Ratio	Lower	Upper	
149	100		
91	80.4	63.7	95.5
206	19.6	16.2	24.2





#81
Benzo(a)anthracene
Concen: 10.444 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

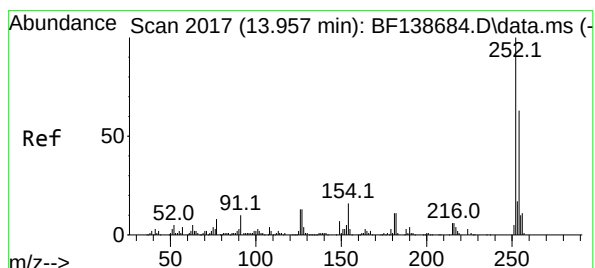
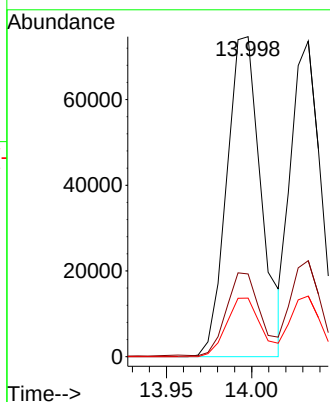
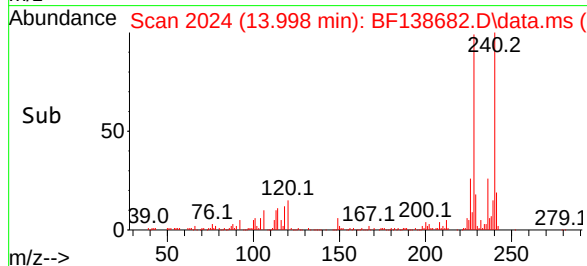
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 10518
Ion Ratio Lower Upper
228 100
226 25.8 22.1 33.1
229 18.3 15.4 23.0

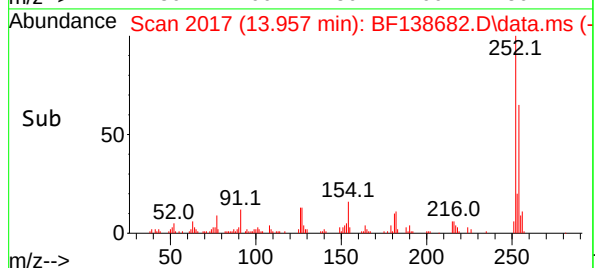
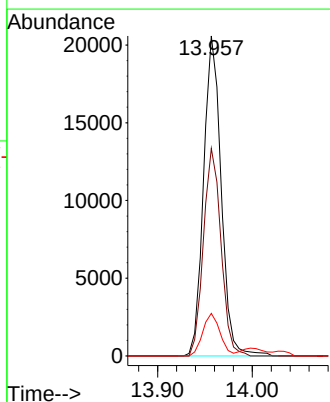
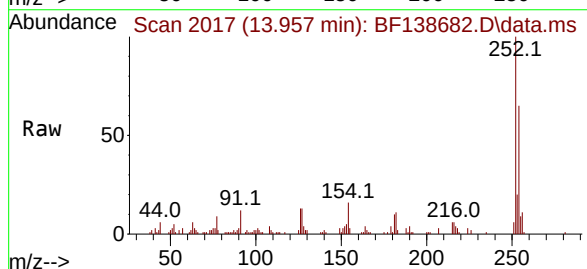
Manual Integrations
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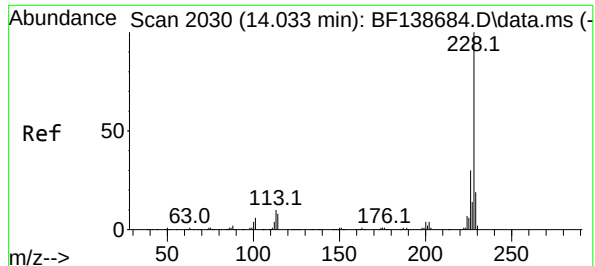
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#82
3,3'-Dichlorobenzidine
Concen: 10.314 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

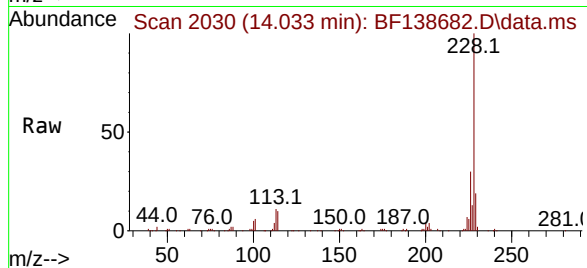
Tgt Ion:252 Resp: 26584
Ion Ratio Lower Upper
252 100
254 64.9 50.8 76.2
126 13.3 10.2 15.2





#83
Chrysene
Concen: 9.881 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

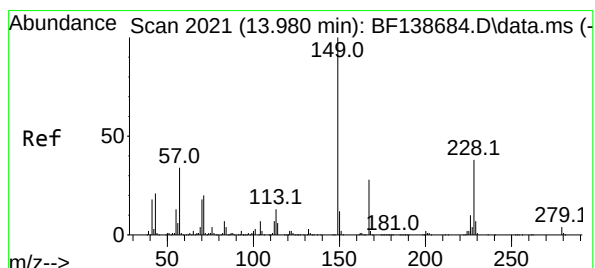
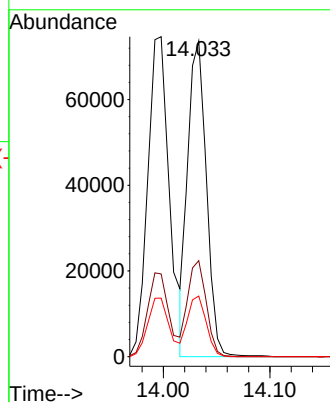
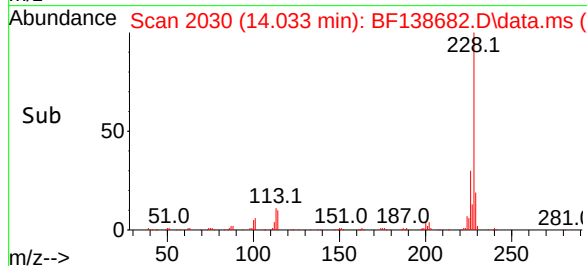
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



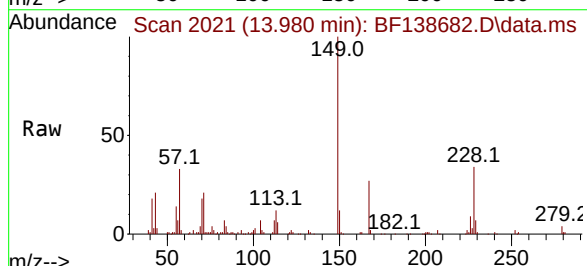
Tgt Ion:228 Resp: 89780
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 19.2 15.0 22.6

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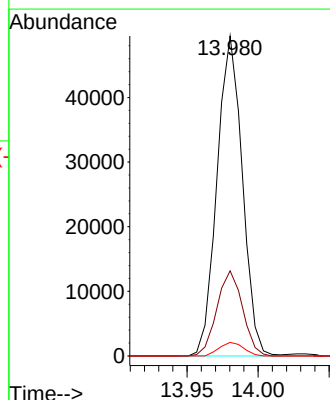
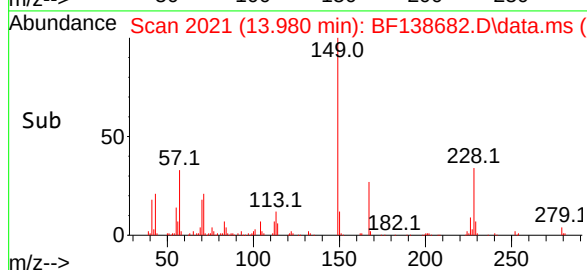
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

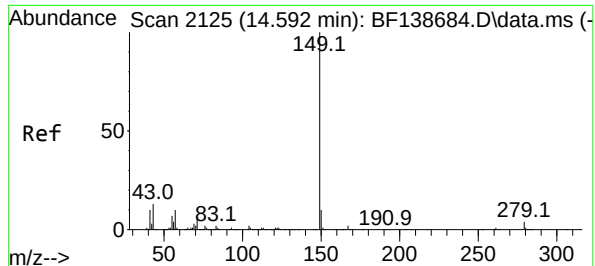


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.495 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



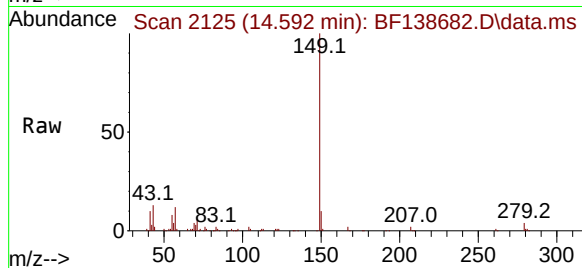
Tgt Ion:149 Resp: 61314
Ion Ratio Lower Upper
149 100
167 26.6 22.2 33.4
279 4.3 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 9.329 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

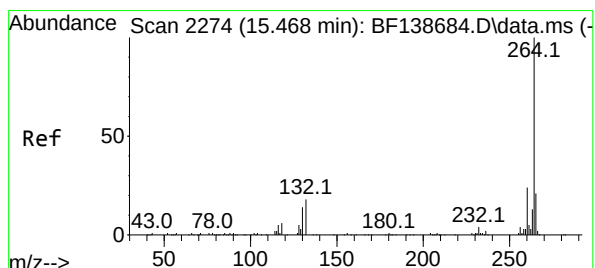
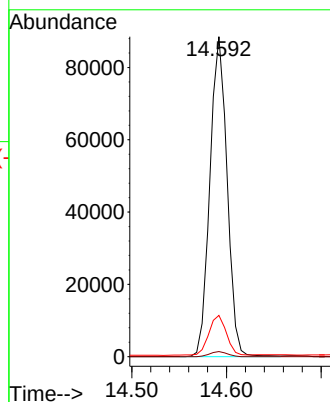
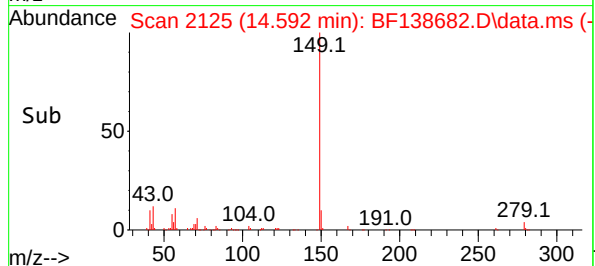
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 111460
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 12.8 10.4 15.6

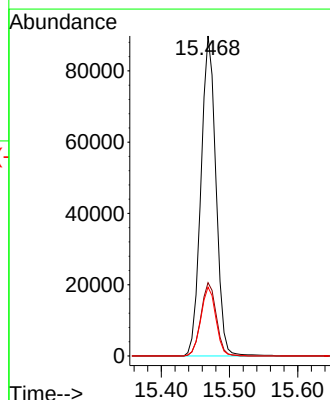
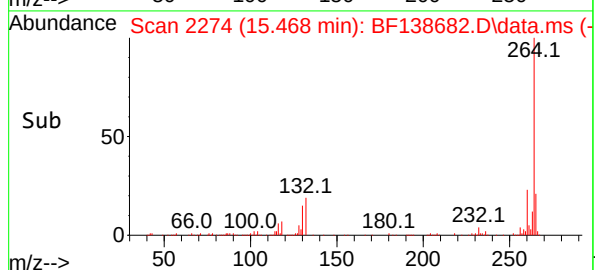
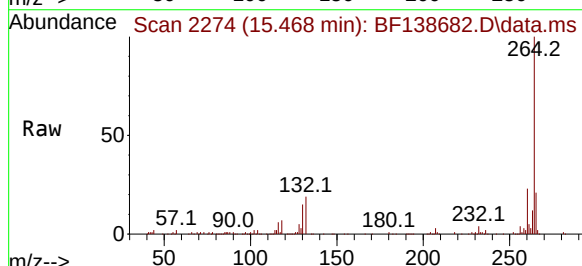
Manual Integrations
APPROVED

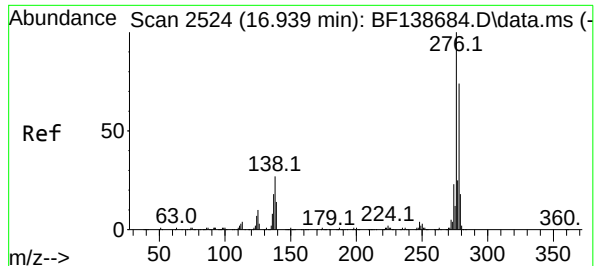
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:264 Resp: 137026
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 21.5 17.0 25.6





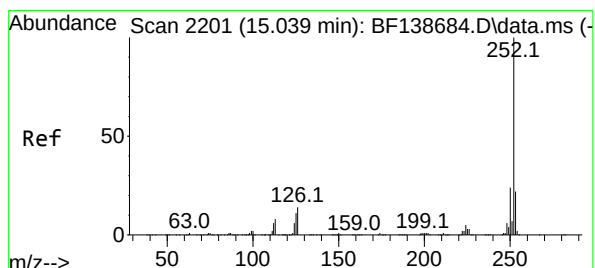
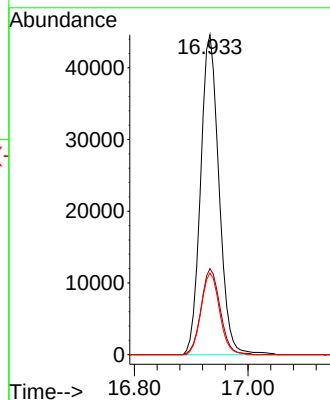
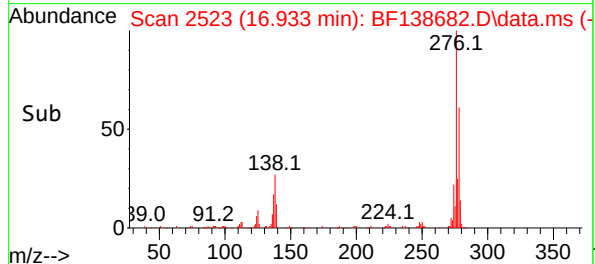
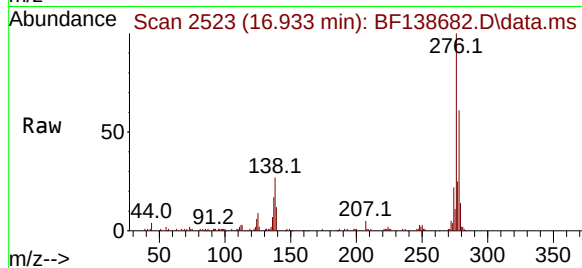
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.215 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 100310
Ion Ratio Lower Upper
276 100
138 27.7 21.8 32.8
277 25.5 20.6 30.8

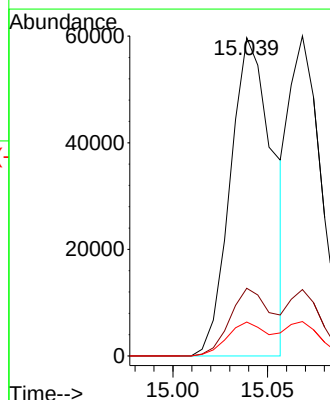
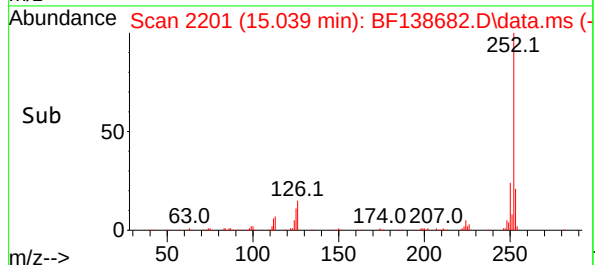
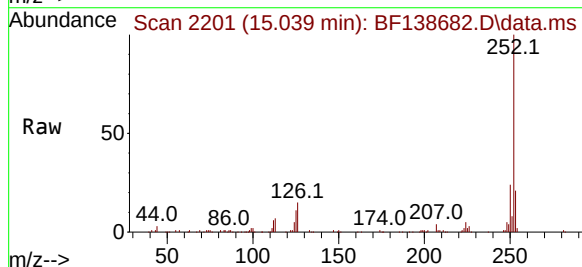
Manual Integrations
APPROVED

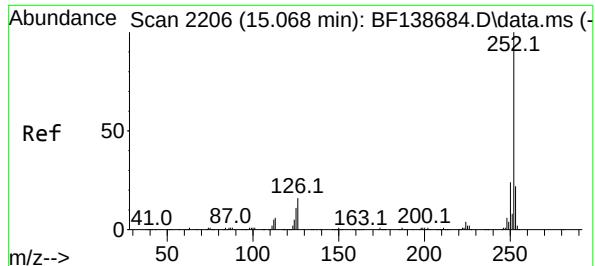
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#88
Benzo(b)fluoranthene
Concen: 10.980 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 93263
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 10.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 9.717 ng

RT: 15.068 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

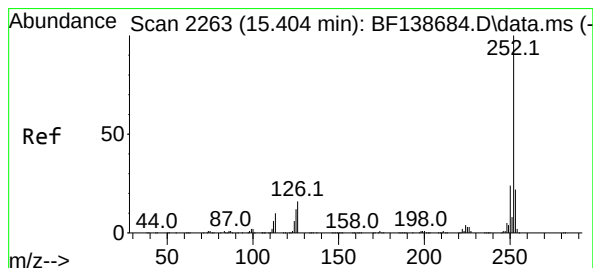
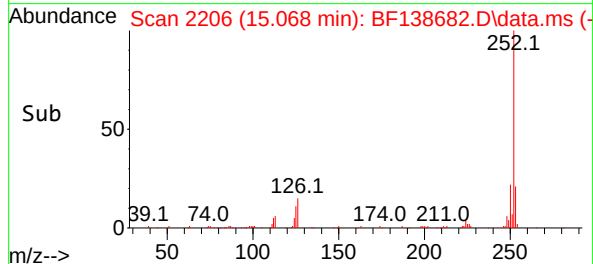
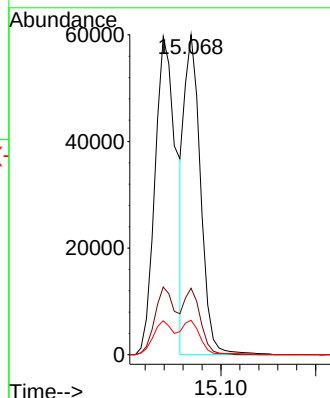
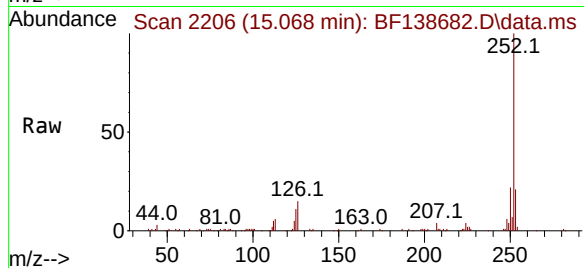
Tgt Ion:	252	Resp:	71464
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.4	26.0
125	10.7	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#90

Benzo(a)pyrene

Concen: 10.038 ng

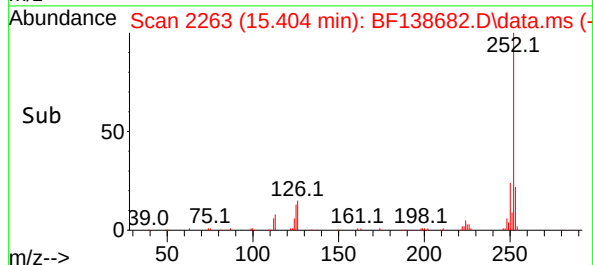
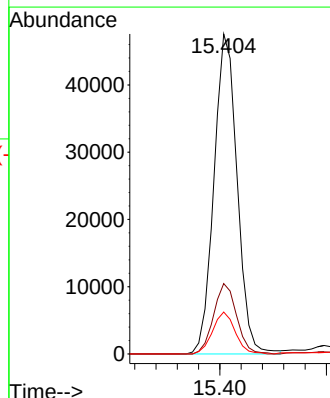
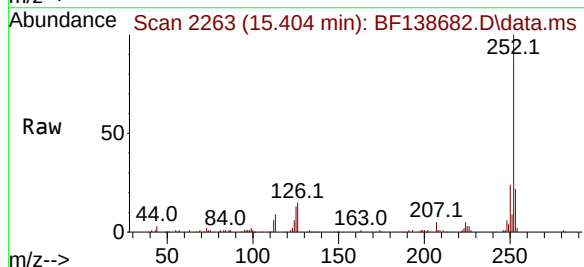
RT: 15.404 min Scan# 2263

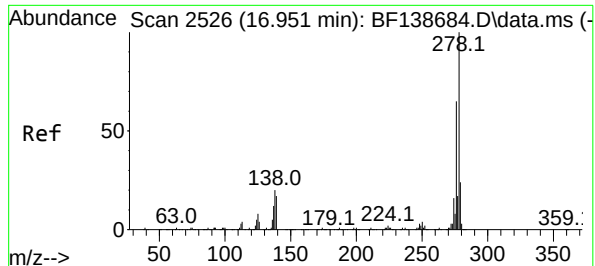
Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Tgt Ion:	252	Resp:	71724
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.3	25.9
125	13.1	9.5	14.3





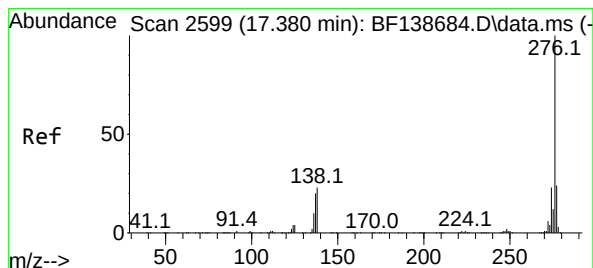
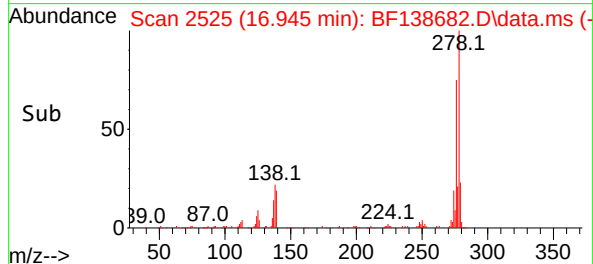
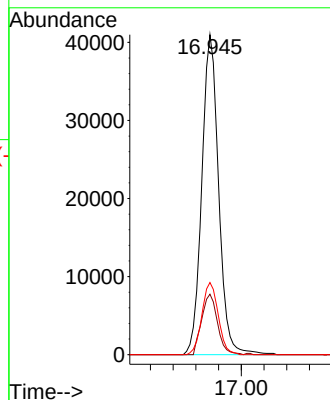
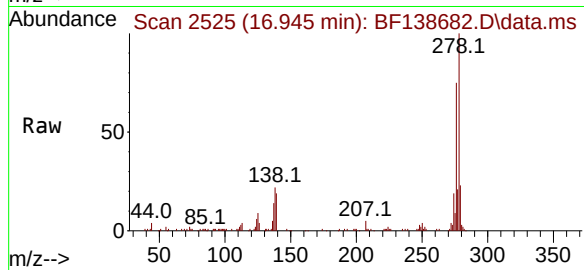
#91
Dibenzo(a,h)anthracene
Concen: 10.465 ng
RT: 16.945 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 84350
Ion Ratio Lower Upper
278 100
139 18.9 14.0 21.0
279 22.6 19.0 28.4

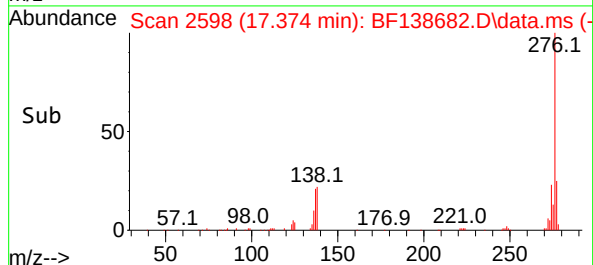
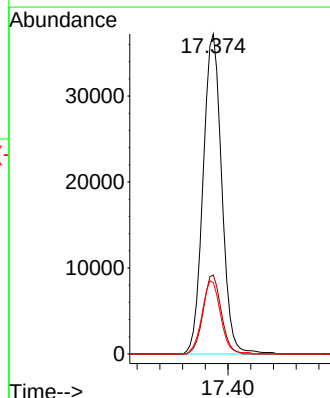
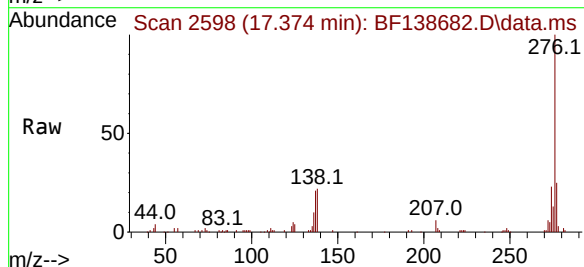
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#92
Benzo(g,h,i)perylene
Concen: 10.110 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:276 Resp: 84564
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 22.3 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138683.D
 Acq On : 30 Jul 2024 14:25
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jul 30 17:43:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	73859	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	300790	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	166031	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	283009	20.000	ng	0.00
76) Chrysene-d12	14.010	240	137400	20.000	ng	0.00
86) Perylene-d12	15.469	264	137093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	198160	41.415	ng	0.00
7) Phenol-d6	6.481	99	269991	42.029	ng	0.00
23) Nitrobenzene-d5	7.410	82	255192	41.480	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	58374	42.922	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	465641	42.138	ng	0.00
79) Terphenyl-d14	12.951	244	374162	45.593	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.587	88	42900	20.480	ng	99
3) Pyridine	3.346	79	107346	21.154	ng	98
4) n-Nitrosodimethylamine	3.287	42	61242	20.264	ng	98
6) Aniline	6.504	93	125837	21.965	ng	98
8) 2-Chlorophenol	6.634	128	106548	21.166	ng	98
9) Benzaldehyde	6.399	77	81141	21.071	ng	100
10) Phenol	6.493	94	141295	20.890	ng	95
11) bis(2-Chloroethyl)ether	6.581	93	105905	20.347	ng	98
12) 1,3-Dichlorobenzene	6.787	146	118768	21.077	ng	99
13) 1,4-Dichlorobenzene	6.863	146	119642	21.039	ng	99
14) 1,2-Dichlorobenzene	7.016	146	113116	21.284	ng	100
15) Benzyl Alcohol	6.987	79	98544	21.284	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	191406	21.369	ng	94
17) 2-Methylphenol	7.098	107	87392	21.024	ng	98
18) Hexachloroethane	7.357	117	44140	20.620	ng	99
19) n-Nitroso-di-n-propyla...	7.251	70	82912	21.369	ng	98
20) 3+4-Methylphenols	7.257	107	115081	21.577	ng	94
22) Acetophenone	7.251	105	152730	20.738	ng	100
24) Nitrobenzene	7.428	77	130332	20.819	ng	98
25) Isophorone	7.663	82	220971	21.034	ng	99
26) 2-Nitrophenol	7.745	139	56578	21.006	ng	99
27) 2,4-Dimethylphenol	7.781	122	66449	20.620	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	135096	21.118	ng	100
29) 2,4-Dichlorophenol	7.992	162	88156	21.289	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	98908	20.697	ng	98
31) Naphthalene	8.151	128	333821	21.084	ng	99
32) Benzoic acid	7.887	122	47452	18.740	ng	97
33) 4-Chloroaniline	8.198	127	111005	20.887	ng	98
34) Hexachlorobutadiene	8.263	225	60058	20.749	ng	98
35) Caprolactam	8.557	113	26359	21.333	ng	98
36) 4-Chloro-3-methylphenol	8.681	107	103141	21.794	ng	99
37) 2-Methylnaphthalene	8.840	142	213210	21.323	ng	99
38) 1-Methylnaphthalene	8.940	142	208242	21.253	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	96503	20.924	ng	98
41) Hexachlorocyclopentadiene	8.987	237	16767	19.505	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	58575	20.830	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138683.D
 Acq On : 30 Jul 2024 14:25
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

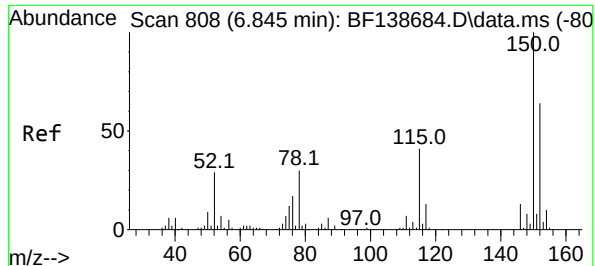
Quant Time: Jul 30 17:43:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	64272	20.907	ng	97
46) 1,1'-Biphenyl	9.298	154	270560	20.807	ng	100
47) 2-Chloronaphthalene	9.328	162	201367	20.822	ng	98
48) 2-Nitroaniline	9.428	65	68663	20.943	ng	97
49) Acenaphthylene	9.739	152	289321	21.093	ng	99
50) Dimethylphthalate	9.598	163	226938	21.376	ng	99
51) 2,6-Dinitrotoluene	9.663	165	50501	21.078	ng	94
52) Acenaphthene	9.916	154	194057	21.047	ng	100
53) 3-Nitroaniline	9.834	138	52618	21.244	ng	95
54) 2,4-Dinitrophenol	9.945	184	23573	21.374	ng	92
55) Dibenzofuran	10.086	168	276572	21.249	ng	99
56) 4-Nitrophenol	10.004	139	30898	20.745	ng	98
57) 2,4-Dinitrotoluene	10.069	165	66734	21.832	ng	97
58) Fluorene	10.428	166	224349	21.646	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	49368	21.005	ng	97
60) Diethylphthalate	10.298	149	219374	21.793	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	109862	21.552	ng	99
62) 4-Nitroaniline	10.445	138	51964	22.077	ng	98
63) Azobenzene	10.581	77	240769	21.566	ng	100
65) 4,6-Dinitro-2-methylph...	10.481	198	34887	20.206	ng	99
66) n-Nitrosodiphenylamine	10.539	169	182551	20.636	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	64049	20.903	ng	99
68) Hexachlorobenzene	10.975	284	66331	20.966	ng	97
69) Atrazine	11.063	200	49863	21.847	ng	98
70) Pentachlorophenol	11.175	266	27470	19.263	ng	98
71) Phenanthrene	11.392	178	307735	21.117	ng	100
72) Anthracene	11.445	178	305147	21.256	ng	99
73) Carbazole	11.598	167	265973	21.474	ng	100
74) Di-n-butylphthalate	11.928	149	294214	21.131	ng	100
75) Fluoranthene	12.580	202	294039	21.613	ng	100
77) Benzidine	12.704	184	66561	20.254	ng	98
78) Pyrene	12.810	202	294030	22.728	ng	100
80) Butylbenzylphthalate	13.422	149	83162	20.074	ng	98
81) Benzo(a)anthracene	13.998	228	193671	20.469	ng	100
82) 3,3'-Dichlorobenzidine	13.957	252	51844	21.412	ng	99
83) Chrysene	14.033	228	173160	20.285	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	118293	19.500	ng	99
85) Di-n-octyl phthalate	14.592	149	221760	19.758	ng	100
87) Indeno(1,2,3-cd)pyrene	16.933	276	207968	21.168	ng	99
88) Benzo(b)fluoranthene	15.039	252	176387	20.755	ng	100
89) Benzo(k)fluoranthene	15.069	252	150547	20.460	ng	99
90) Benzo(a)pyrene	15.410	252	146767	20.531	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	171745	21.296	ng	99
92) Benzo(g,h,i)perylene	17.374	276	176662	21.110	ng	98

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

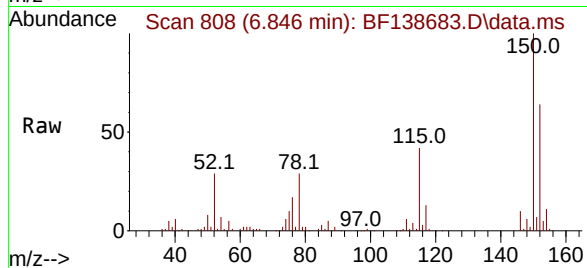
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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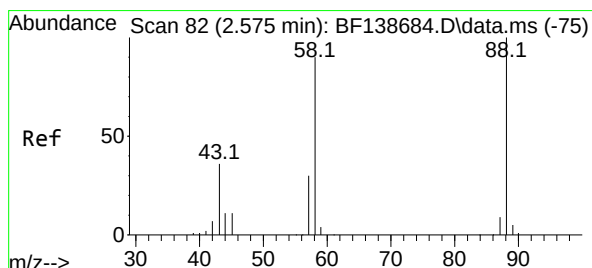
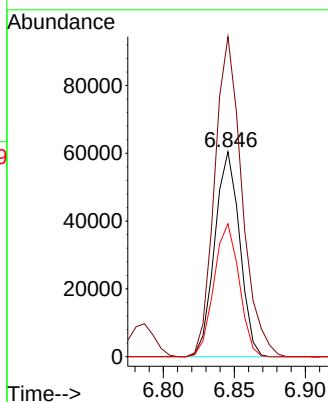
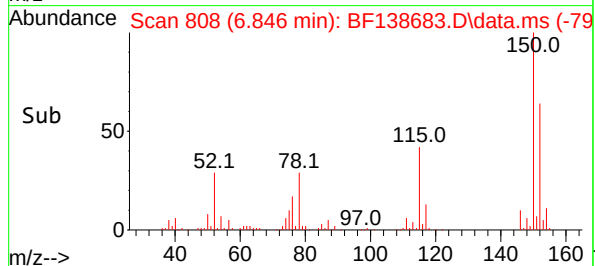


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

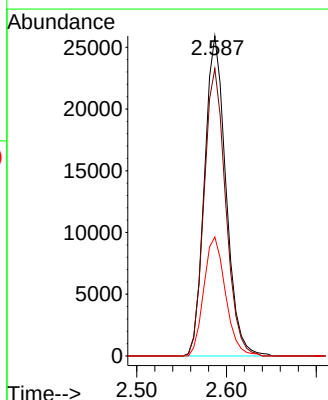
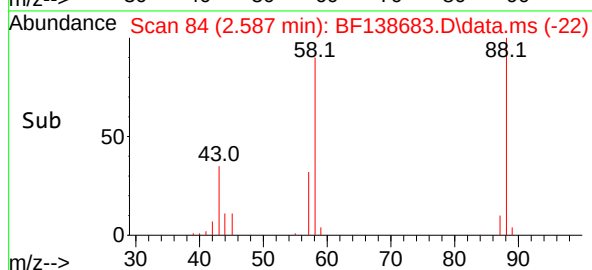
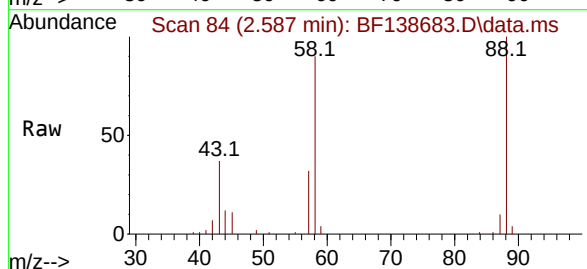


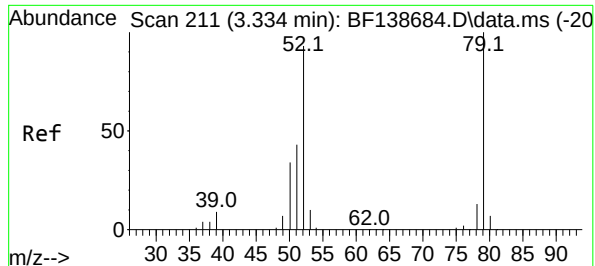
Tgt Ion:152 Resp: 73859
Ion Ratio Lower Upper
152 100
150 156.1 126.0 189.0
115 64.9 51.7 77.5



#2
1,4-Dioxane
Concen: 20.480 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 88 Resp: 42900
Ion Ratio Lower Upper
88 100
58 90.3 71.6 107.4
43 37.7 28.7 43.1





#3

Pyridine

Concen: 21.154 ng

RT: 3.346 min Scan# 211

Delta R.T. 0.012 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

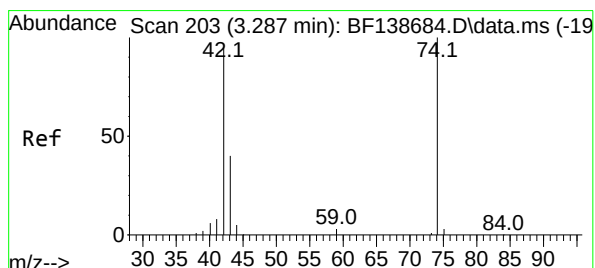
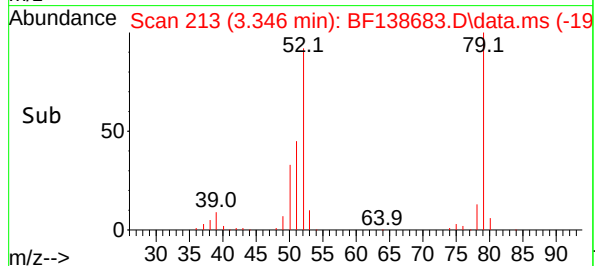
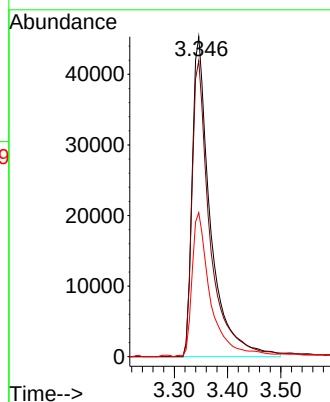
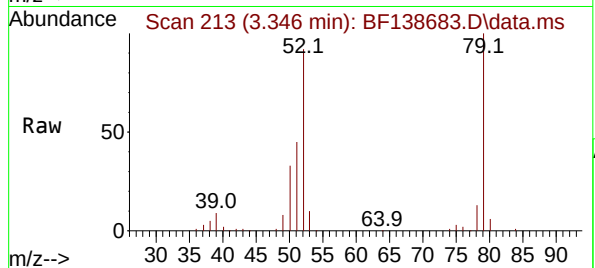
Tgt Ion: 79 Resp: 107346

Ion Ratio Lower Upper

79 100

52 92.5 74.7 112.1

51 45.0 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 20.264 ng

RT: 3.287 min Scan# 203

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

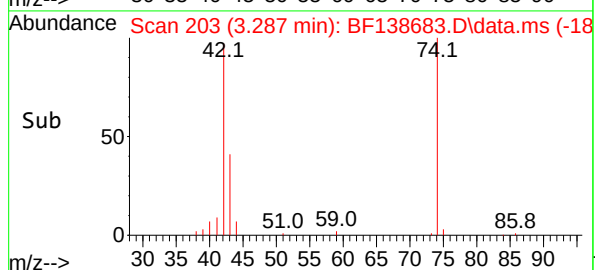
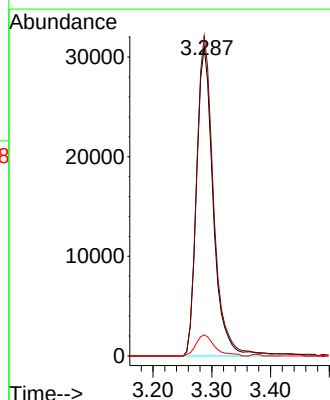
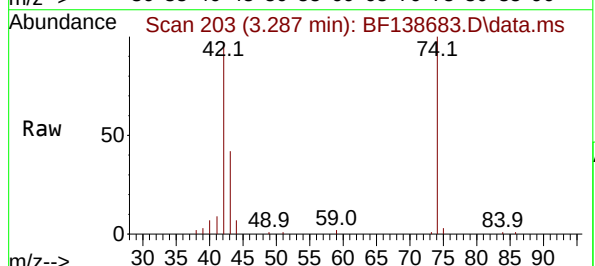
Tgt Ion: 42 Resp: 61242

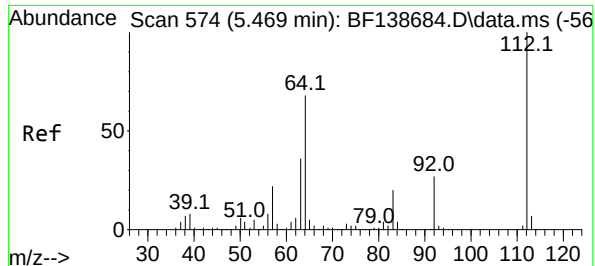
Ion Ratio Lower Upper

42 100

74 103.5 84.2 126.4

44 6.8 4.9 7.3

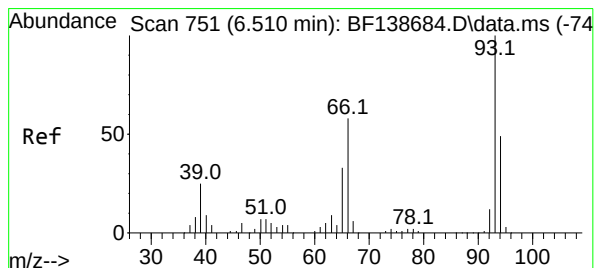
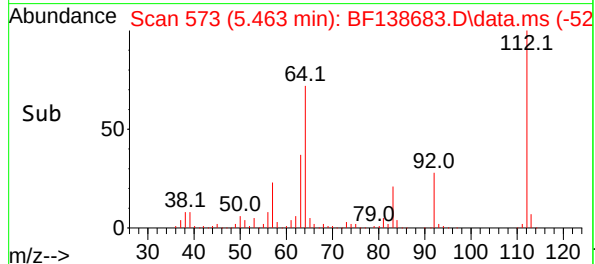
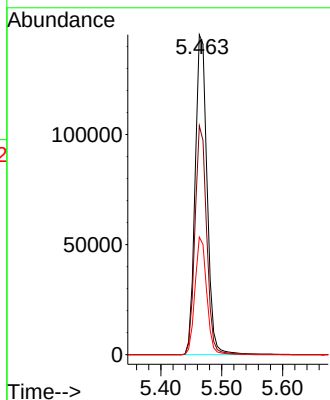
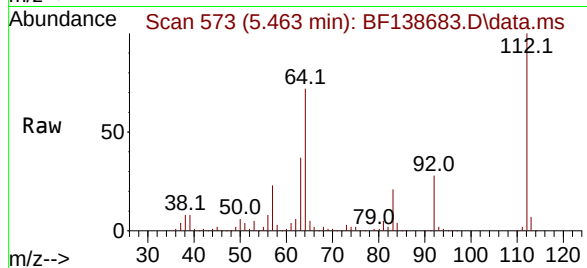




#5
2-Fluorophenol
Concen: 41.415 ng
RT: 5.463 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

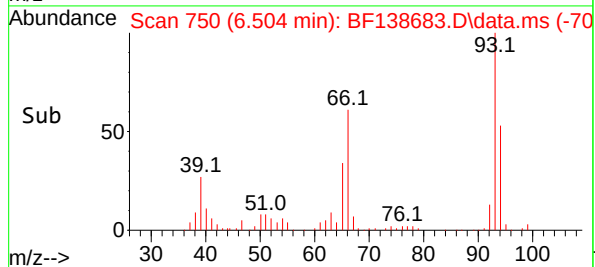
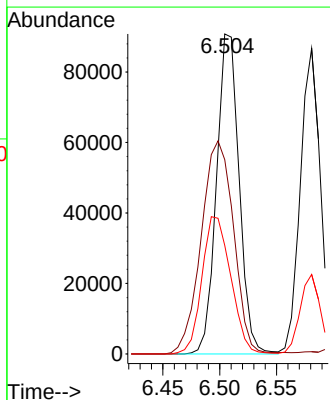
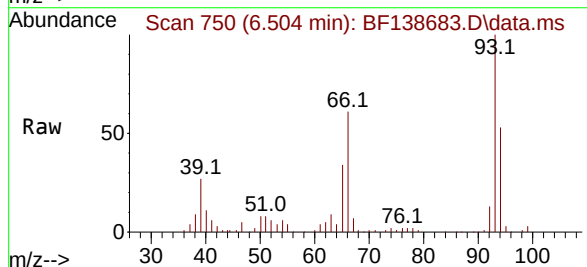
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

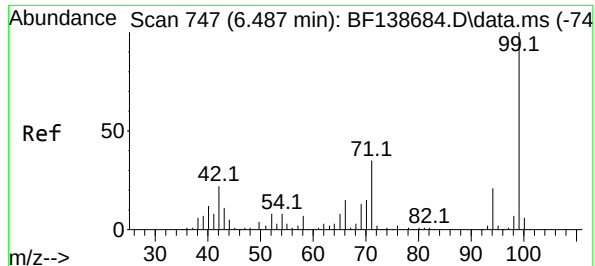
Tgt Ion:112 Resp: 198160
Ion Ratio Lower Upper
112 100
64 71.6 54.2 81.4
63 36.8 28.7 43.1



#6
Aniline
Concen: 21.965 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 93 Resp: 125837
Ion Ratio Lower Upper
93 100
66 60.7 46.9 70.3
65 33.9 26.5 39.7





#7

Phenol-d6

Concen: 42.029 ng

RT: 6.481 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

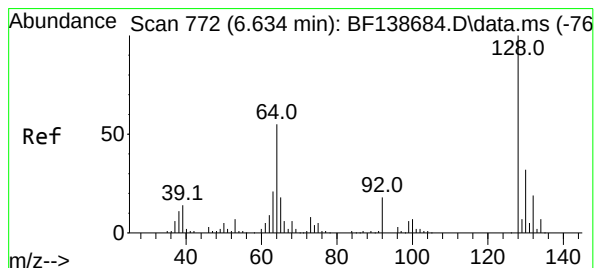
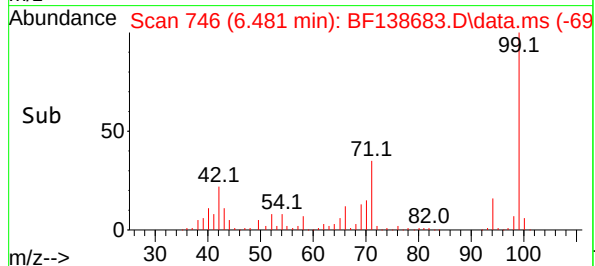
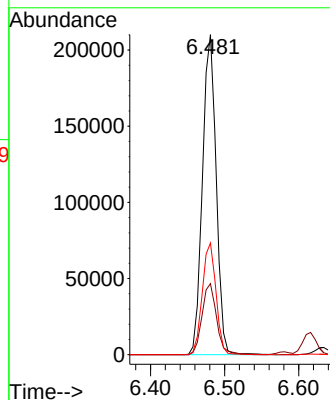
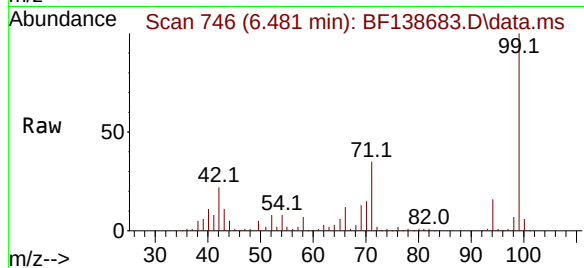
Tgt Ion: 99 Resp: 269991

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

71 34.9 28.1 42.1



#8

2-Chlorophenol

Concen: 21.166 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

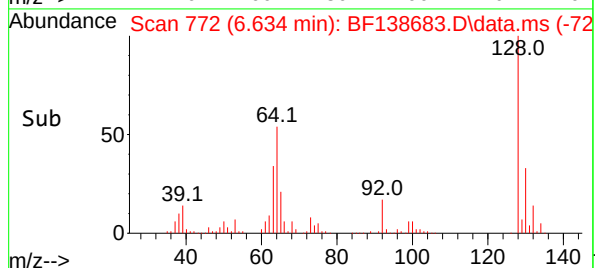
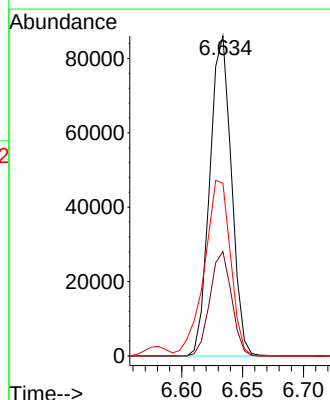
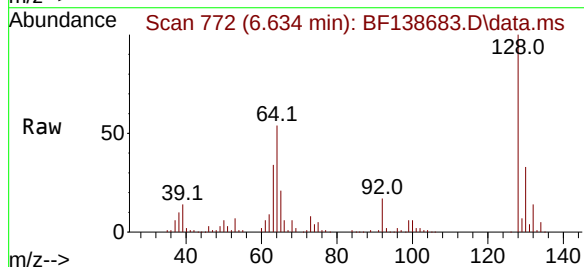
Tgt Ion: 128 Resp: 106548

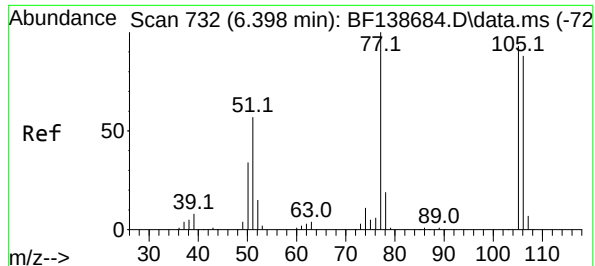
Ion Ratio Lower Upper

128 100

130 32.6 12.0 52.0

64 54.0 36.3 76.3





#9

Benzaldehyde

Concen: 21.071 ng

RT: 6.399 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

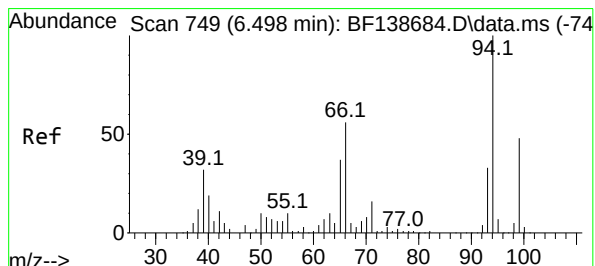
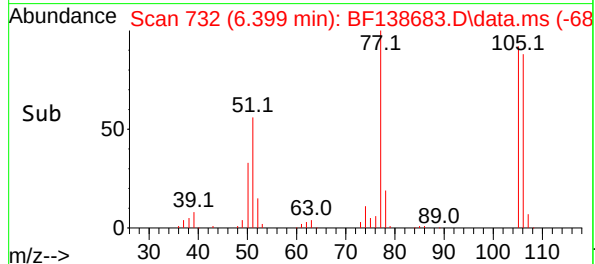
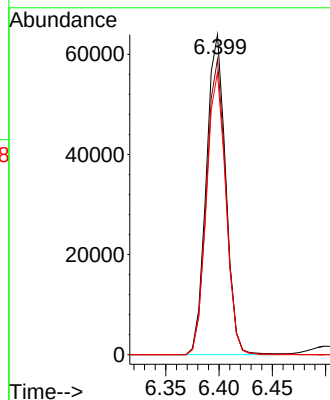
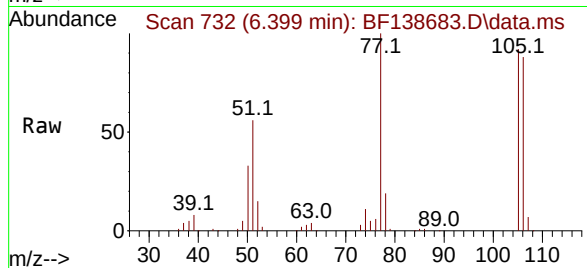
Tgt Ion: 77 Resp: 81141

Ion Ratio Lower Upper

77 100

105 92.3 72.9 112.9

106 88.2 68.4 108.4



#10

Phenol

Concen: 20.890 ng

RT: 6.493 min Scan# 748

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

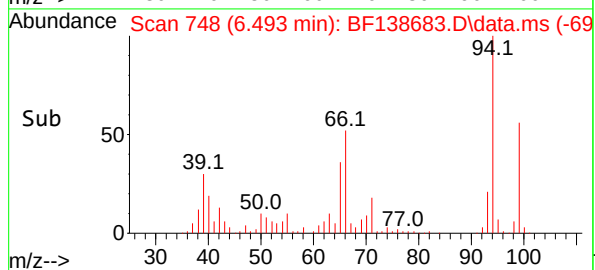
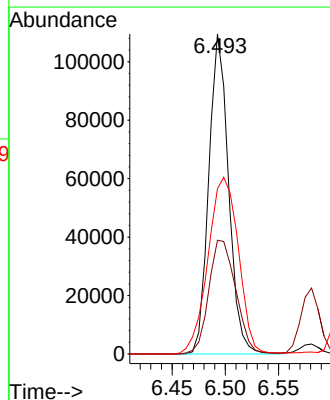
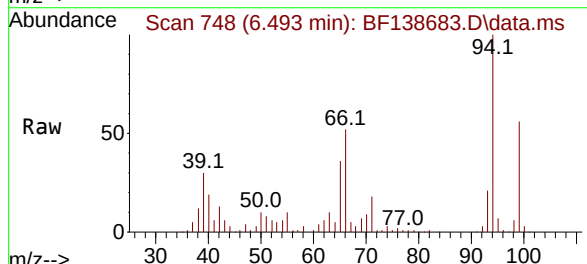
Tgt Ion: 94 Resp: 141295

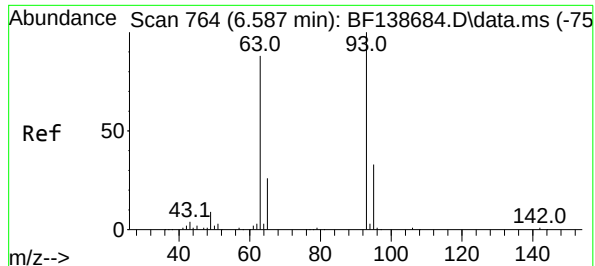
Ion Ratio Lower Upper

94 100

65 35.6 16.9 56.9

66 51.7 36.5 76.5

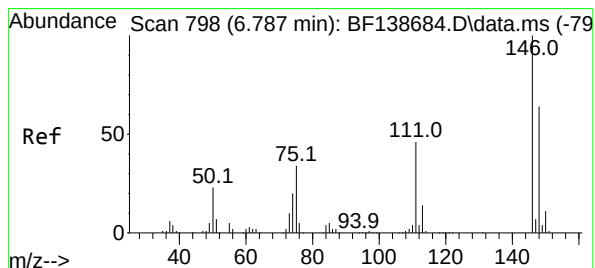
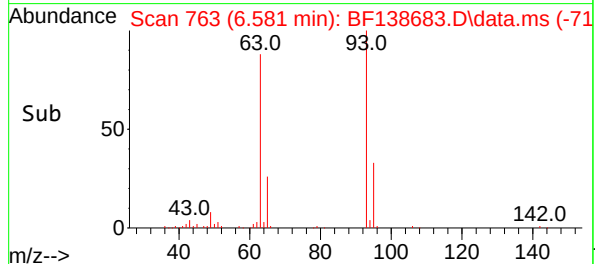
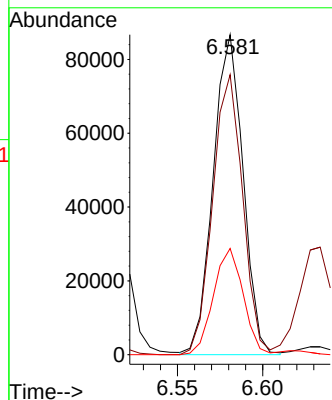
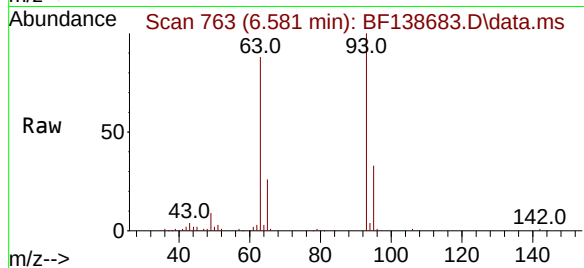




#11
bis(2-Chloroethyl)ether
Concen: 20.347 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

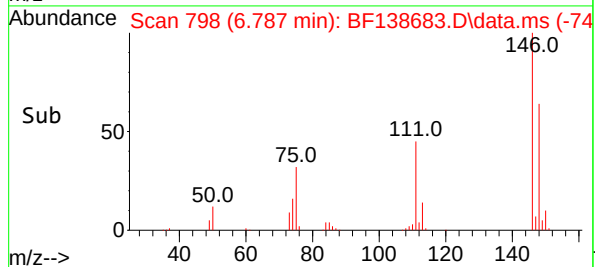
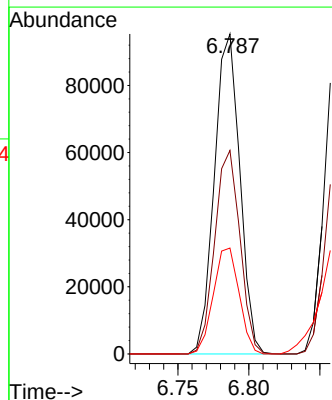
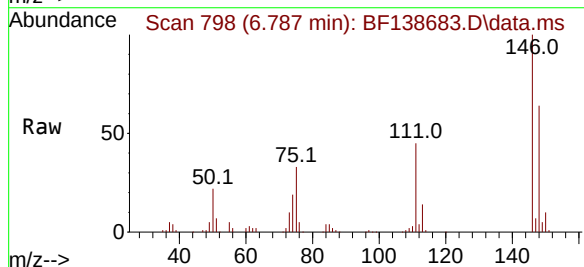
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

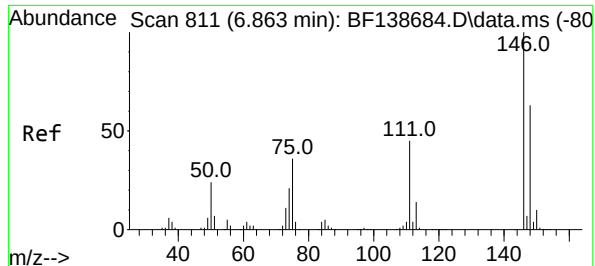
Tgt Ion: 93 Resp: 105905
Ion Ratio Lower Upper
93 100
63 87.5 65.3 105.3
95 33.2 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 21.077 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 146 Resp: 118768
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
75 33.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 21.039 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

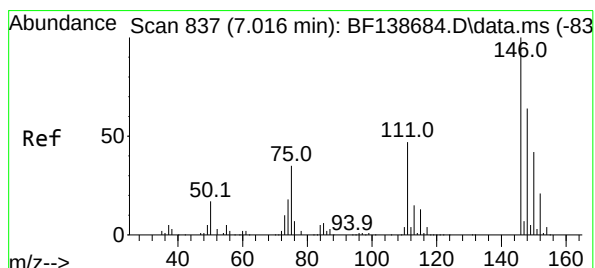
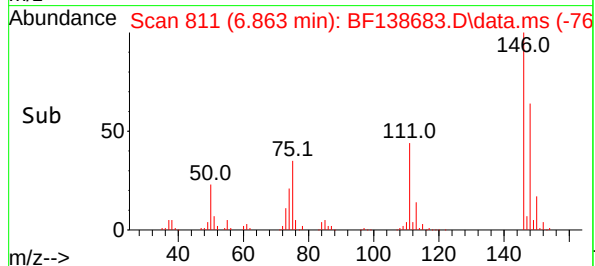
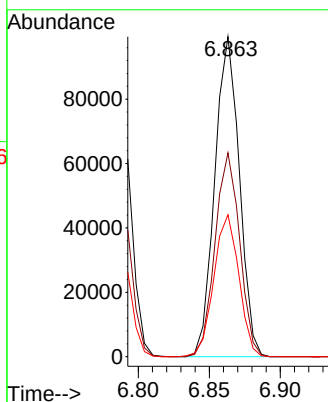
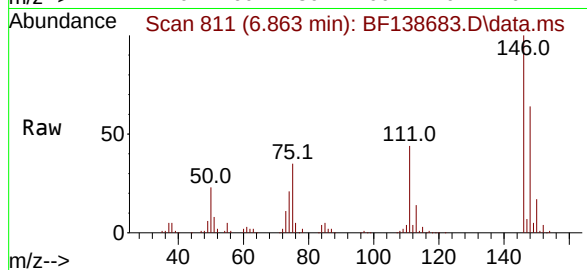
Tgt Ion:146 Resp: 119642

Ion Ratio Lower Upper

146 100

148 63.7 50.2 75.2

111 44.4 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 21.284 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

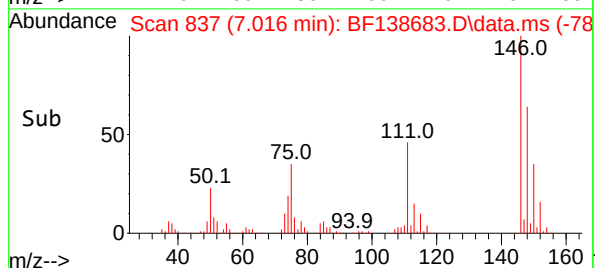
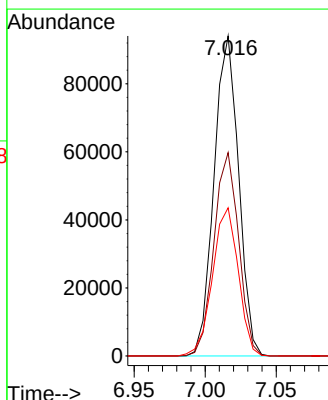
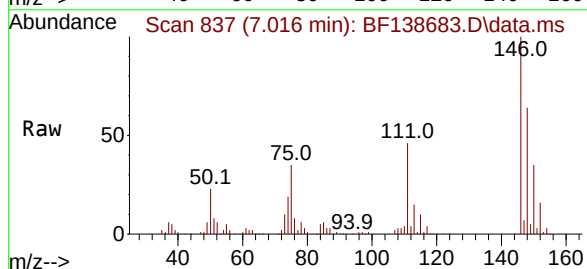
Tgt Ion:146 Resp: 113116

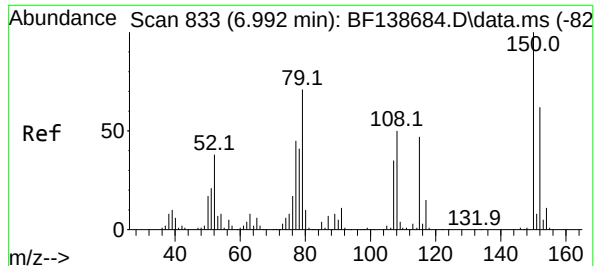
Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

111 46.3 37.4 56.2

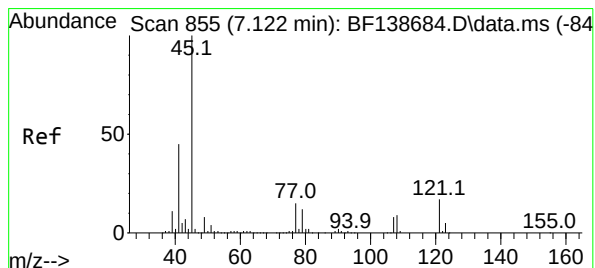
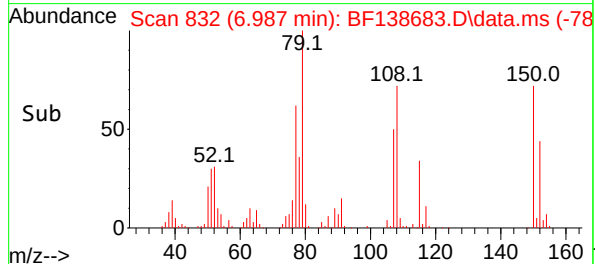
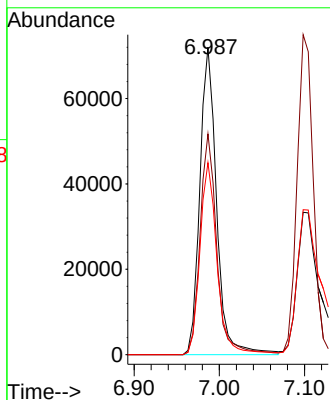
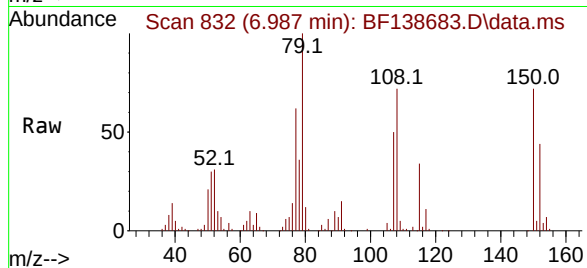




#15
Benzyl Alcohol
Concen: 21.284 ng
RT: 6.987 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

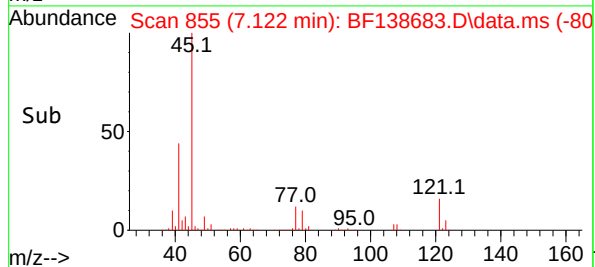
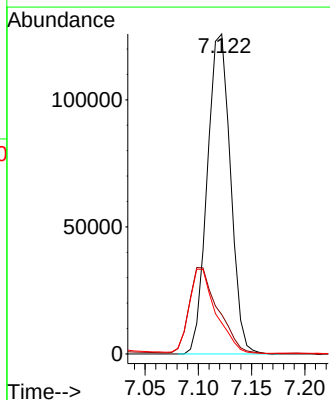
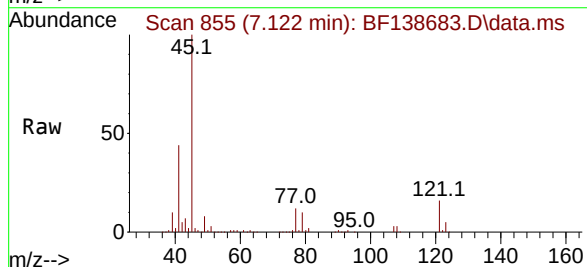
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

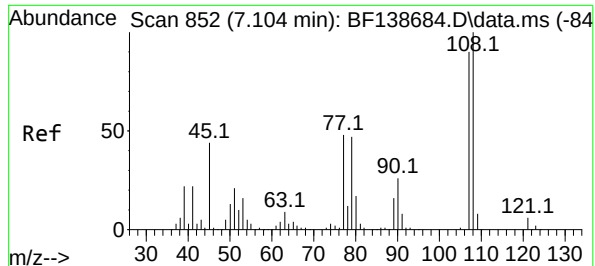
Tgt Ion: 79 Resp: 98544
Ion Ratio Lower Upper
79 100
108 71.9 56.6 85.0
77 62.5 50.3 75.5



#16
2,2'-oxybis(1-chloropropane)
Concen: 21.369 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 45 Resp: 191406
Ion Ratio Lower Upper
45 100
77 12.3 0.0 34.9
79 9.7 0.0 32.2

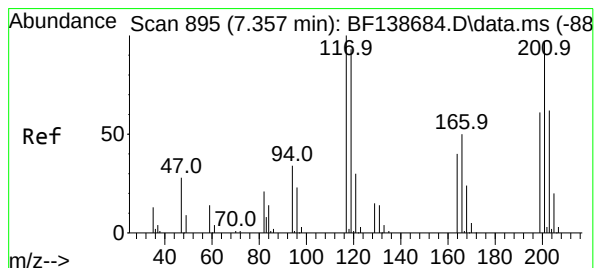
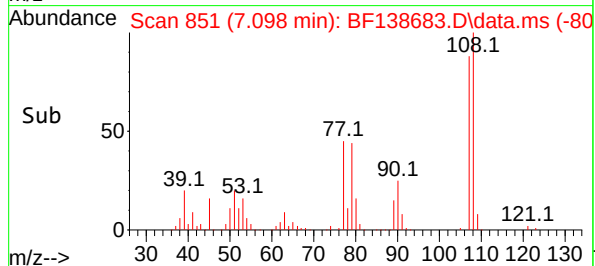
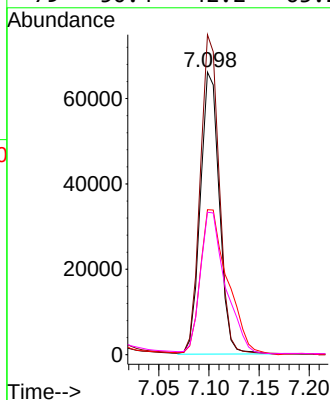
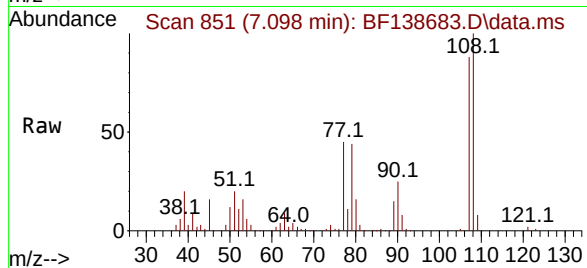




#17
2-Methylphenol
Concen: 21.024 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

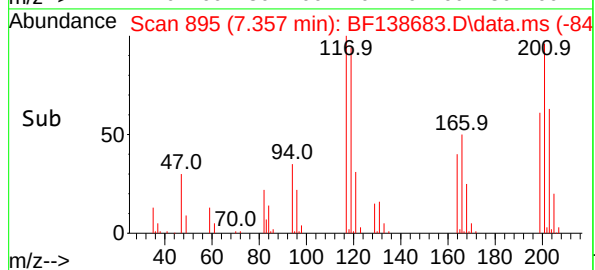
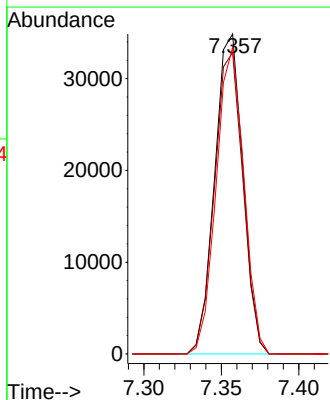
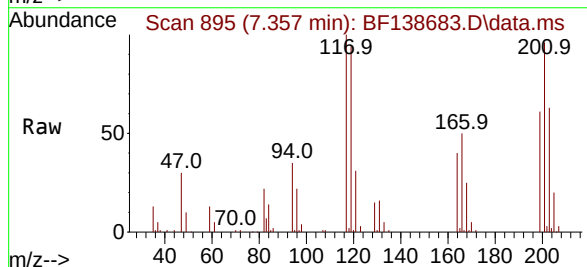
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

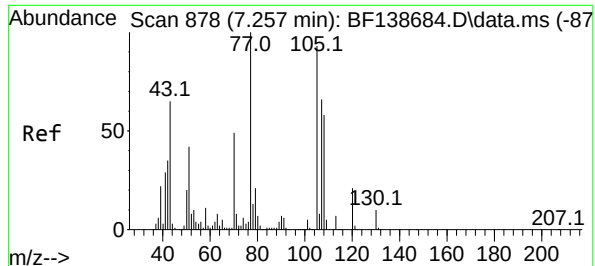
Tgt Ion:	107	Resp:	87392
Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.2	133.8
77	51.3	43.0	64.4
79	50.4	42.2	63.2



#18
Hexachloroethane
Concen: 20.620 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:	117	Resp:	44140
Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.6	111.8
201	95.8	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 21.369 ng

RT: 7.251 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 82912

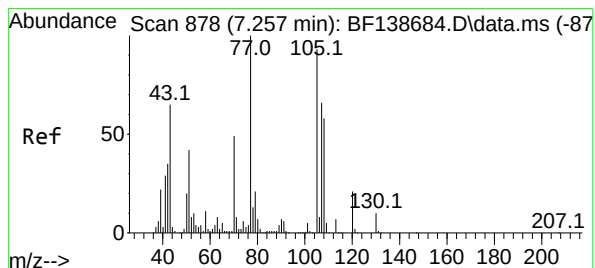
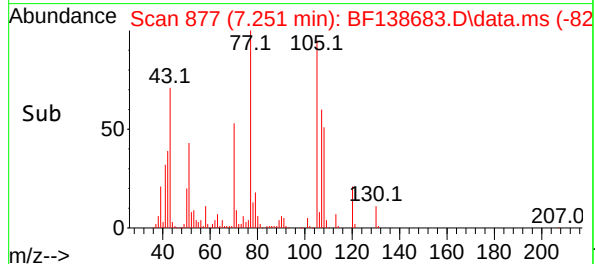
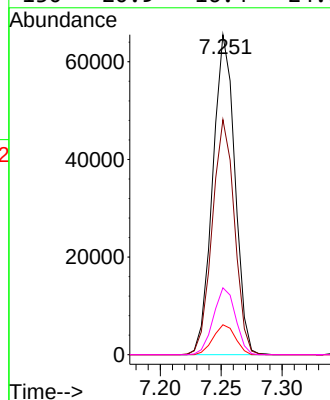
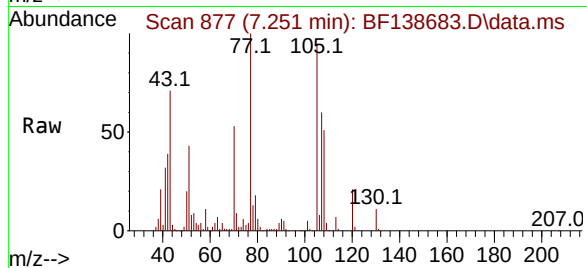
Ion Ratio Lower Upper

70 100

42 73.4 57.4 86.0

101 9.4 7.5 11.3

130 20.9 16.4 24.6



#20

3+4-Methylphenols

Concen: 21.577 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Tgt Ion: 107 Resp: 115081

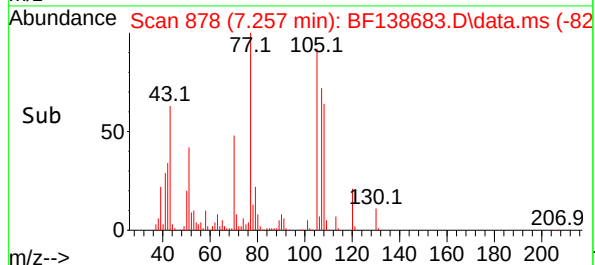
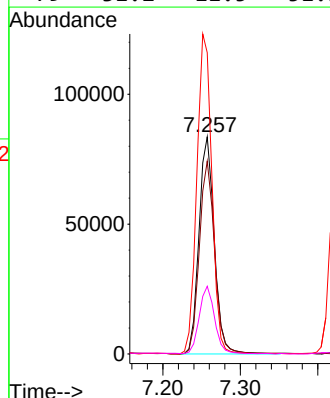
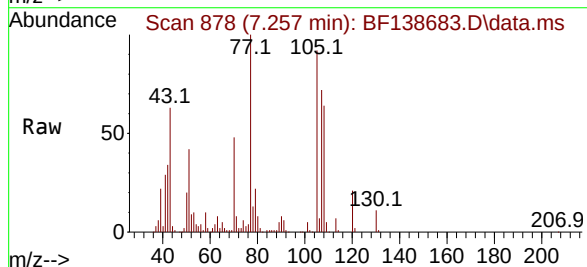
Ion Ratio Lower Upper

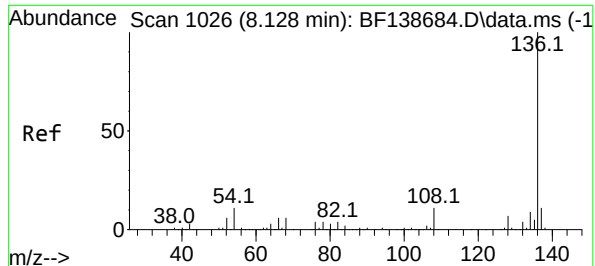
107 100

108 88.8 68.2 108.2

77 138.7 132.1 172.1

79 31.2 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138683.D

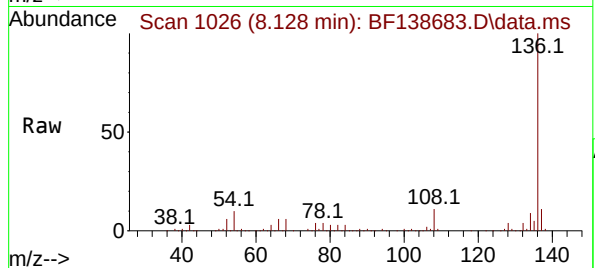
Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:136 Resp: 300790

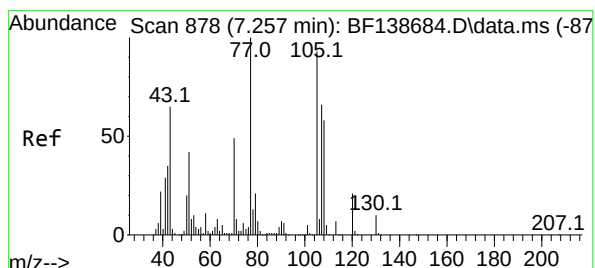
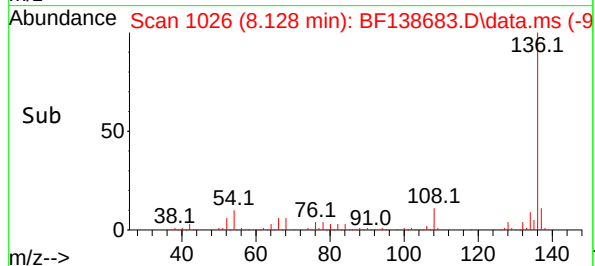
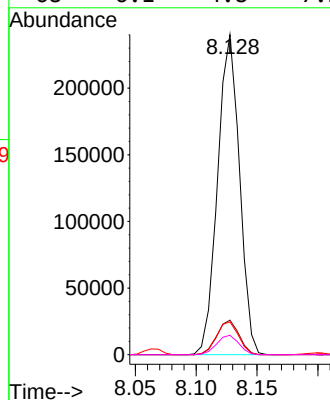
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 10.3 8.6 12.8

68 6.1 4.8 7.2



#22

Acetophenone

Concen: 20.738 ng

RT: 7.251 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Tgt Ion:105 Resp: 152730

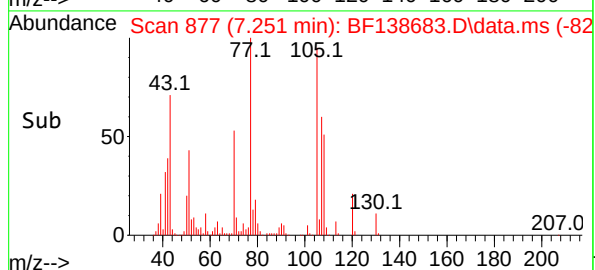
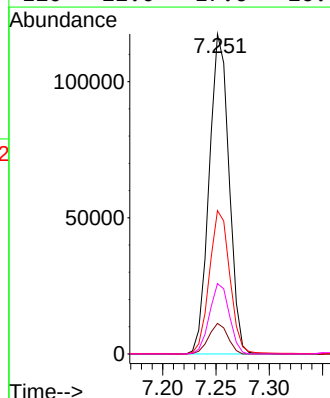
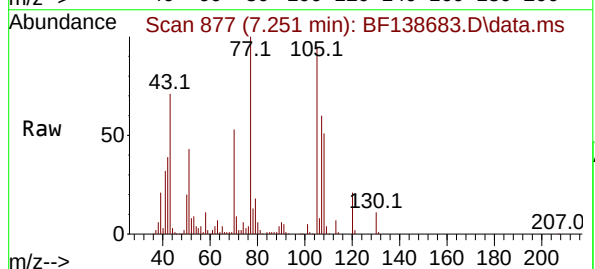
Ion Ratio Lower Upper

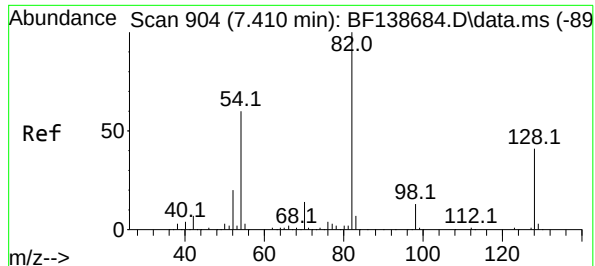
105 100

71 9.6 7.2 10.8

51 44.8 35.9 53.9

120 22.0 17.6 26.4

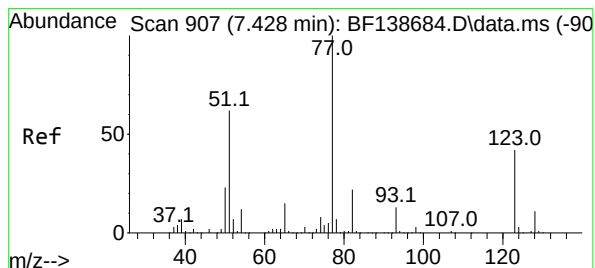
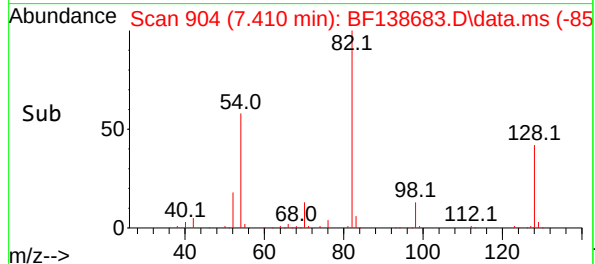
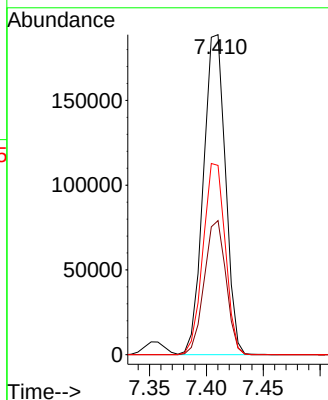
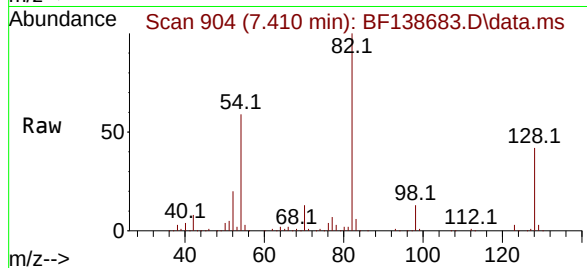




#23
Nitrobenzene-d5
Concen: 41.480 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

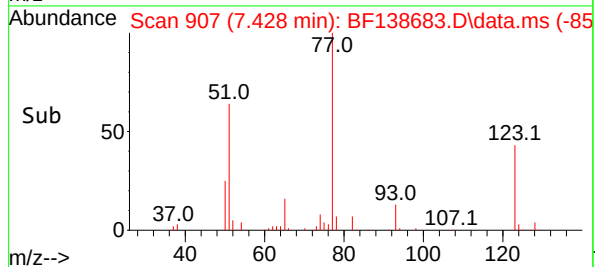
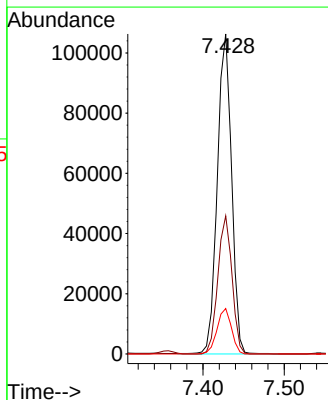
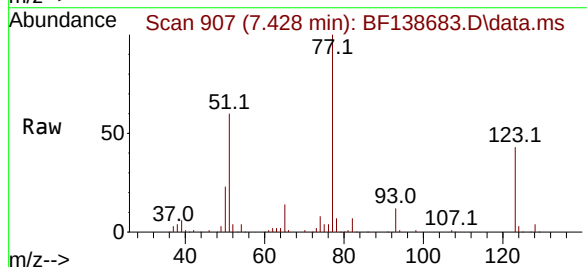
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

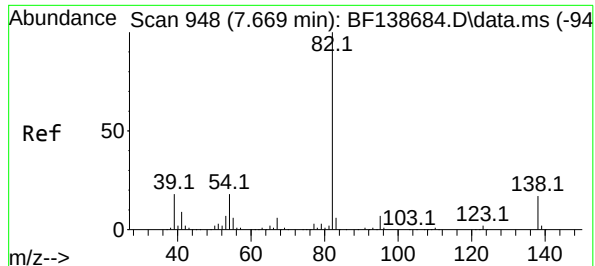
Tgt Ion: 82 Resp: 255192
Ion Ratio Lower Upper
82 100
128 41.9 32.8 49.2
54 59.2 48.3 72.5



#24
Nitrobenzene
Concen: 20.819 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 77 Resp: 130332
Ion Ratio Lower Upper
77 100
123 43.2 33.3 49.9
65 14.2 11.9 17.9





#25

Isophorone

Concen: 21.034 ng

RT: 7.663 min Scan# 948

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

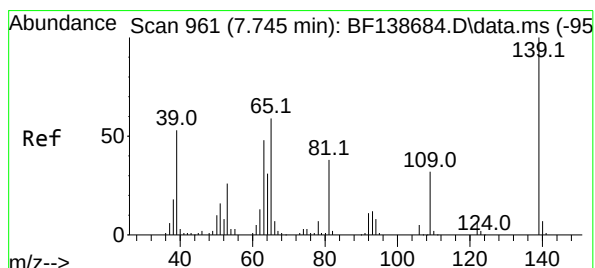
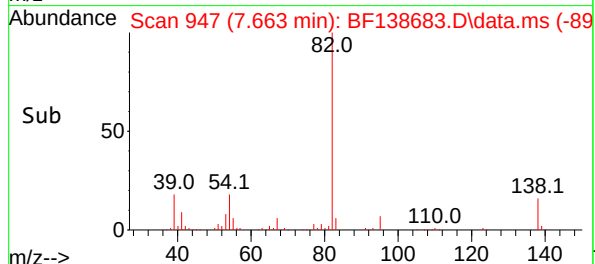
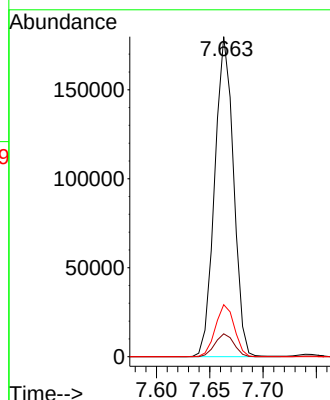
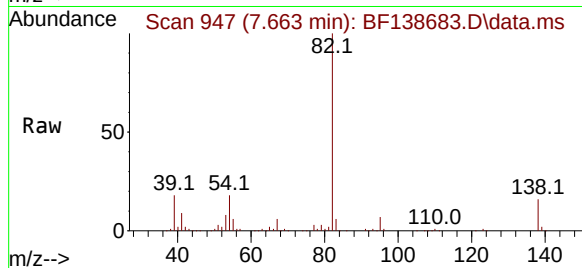
Tgt Ion: 82 Resp: 220971

Ion Ratio Lower Upper

82 100

95 7.2 5.7 8.5

138 16.3 13.7 20.5



#26

2-Nitrophenol

Concen: 21.006 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

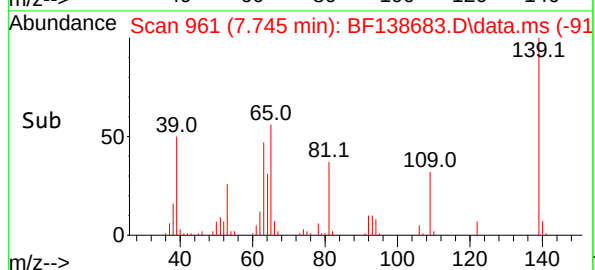
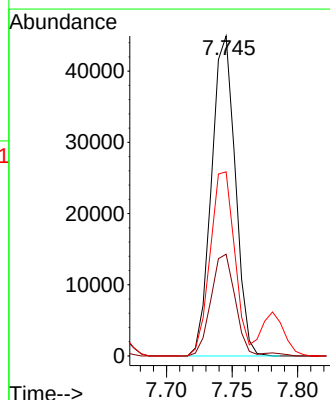
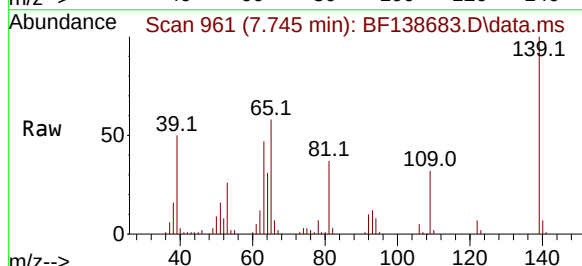
Tgt Ion: 139 Resp: 56578

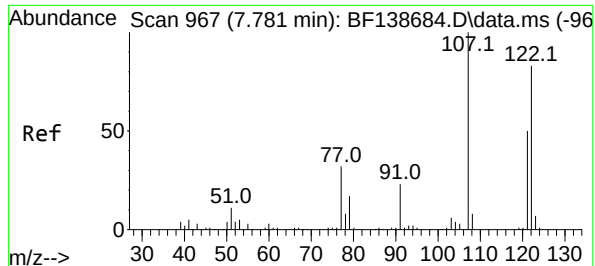
Ion Ratio Lower Upper

139 100

109 31.8 25.9 38.9

65 57.6 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 20.620 ng

RT: 7.781 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

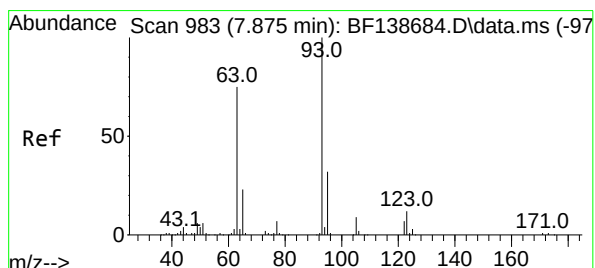
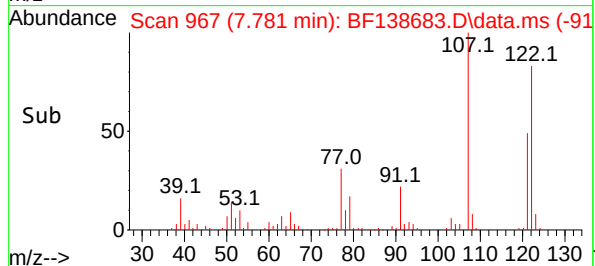
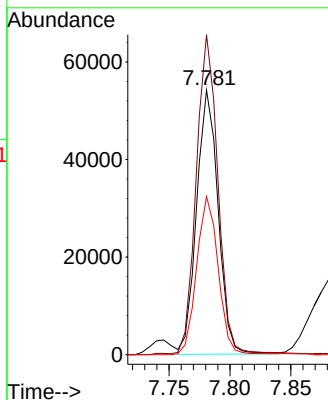
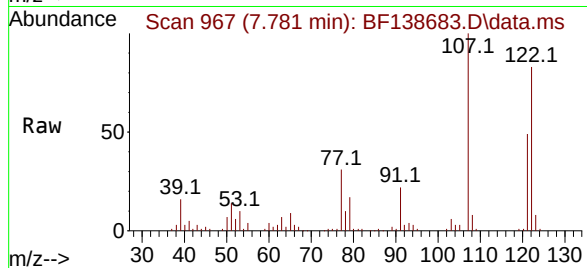
Tgt Ion:122 Resp: 66449

Ion Ratio Lower Upper

122 100

107 120.9 95.0 142.6

121 59.8 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 21.118 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

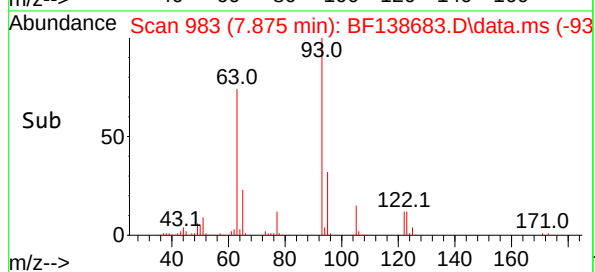
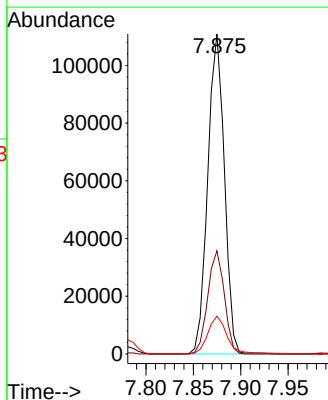
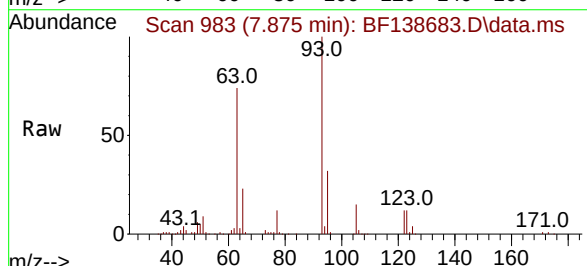
Tgt Ion: 93 Resp: 135096

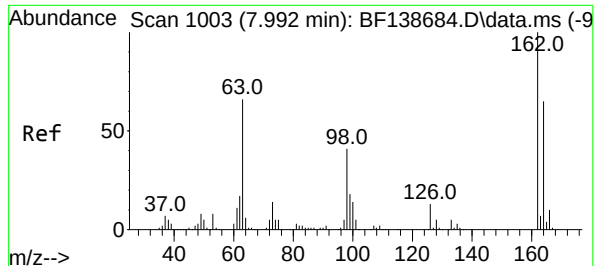
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 21.289 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

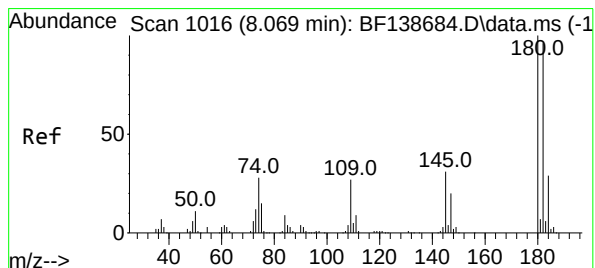
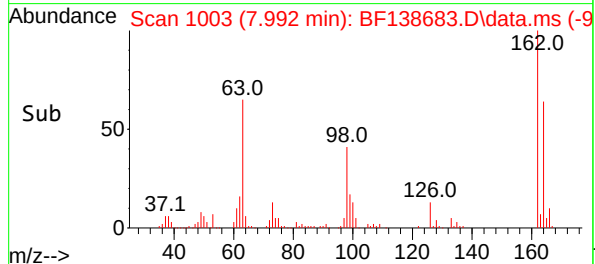
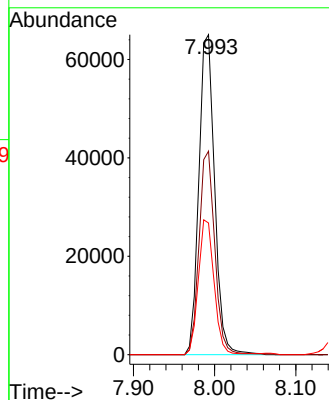
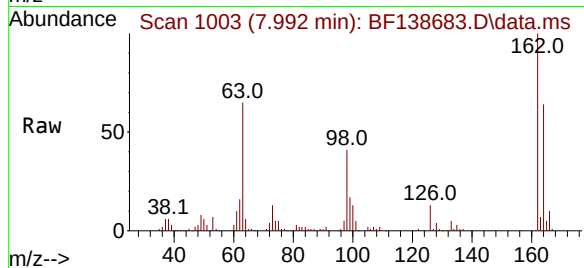
Tgt Ion:162 Resp: 88156

Ion Ratio Lower Upper

162 100

164 63.6 44.7 84.7

98 41.1 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 20.697 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

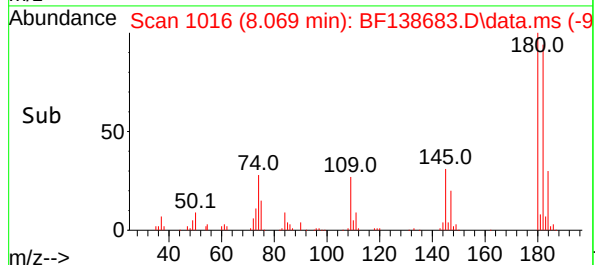
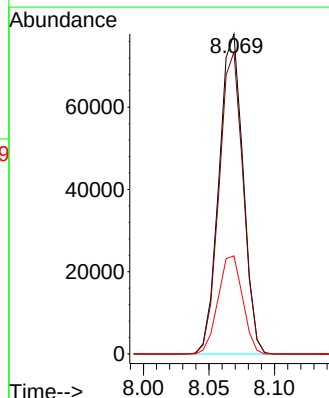
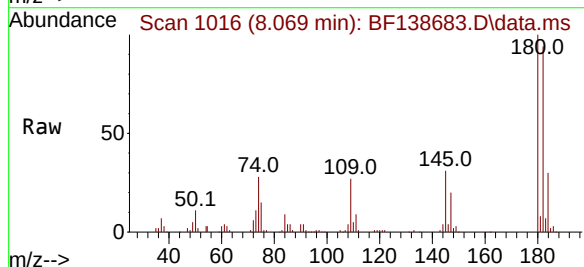
Tgt Ion:180 Resp: 98908

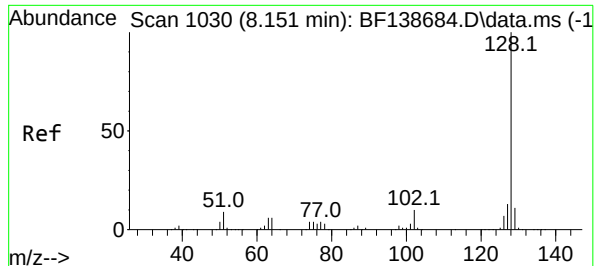
Ion Ratio Lower Upper

180 100

182 94.3 76.9 115.3

145 30.7 25.0 37.4

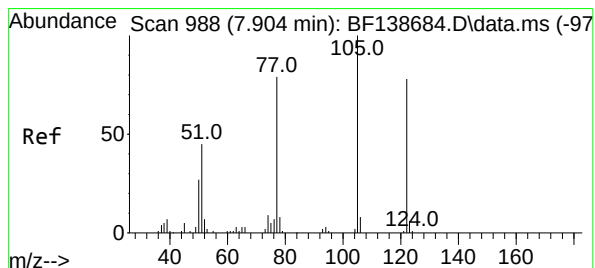
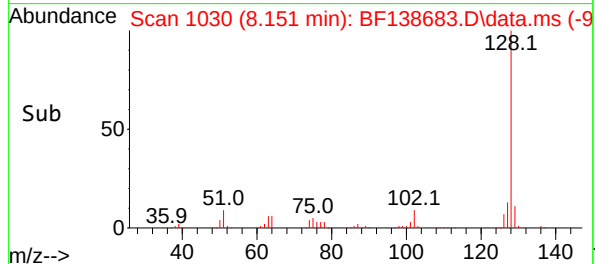
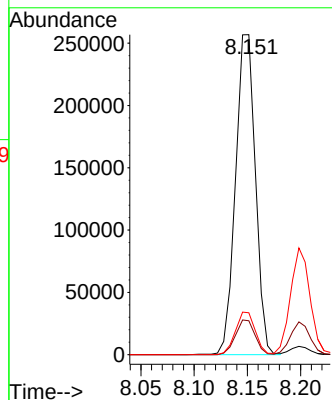
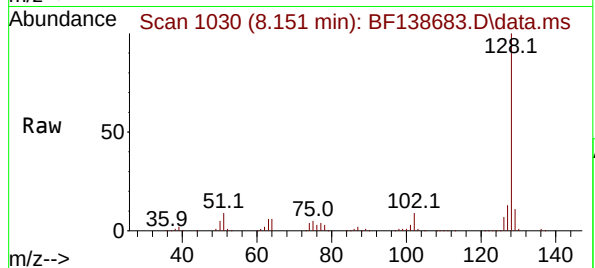




#31
Naphthalene
Concen: 21.084 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

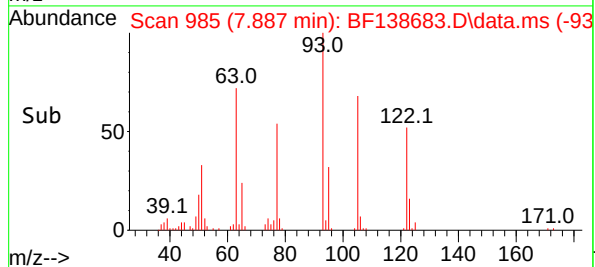
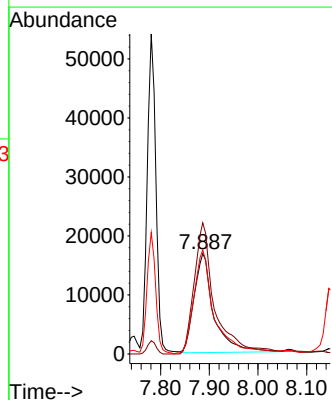
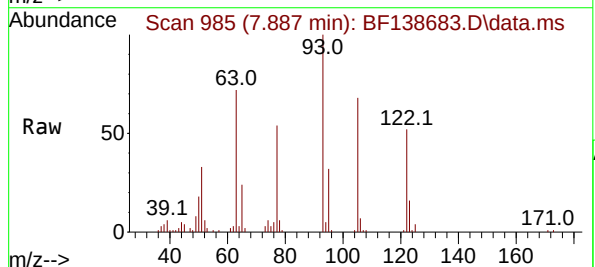
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

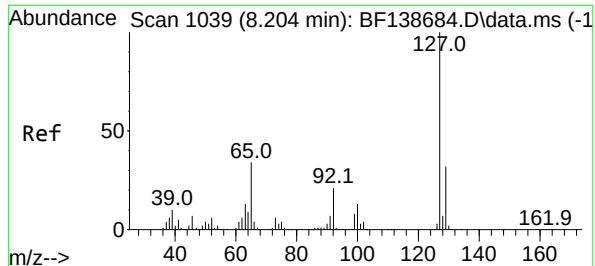
Tgt Ion:128 Resp: 333821
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 18.740 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.017 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:122 Resp: 47452
Ion Ratio Lower Upper
122 100
105 130.8 106.7 146.7
77 103.7 81.1 121.1

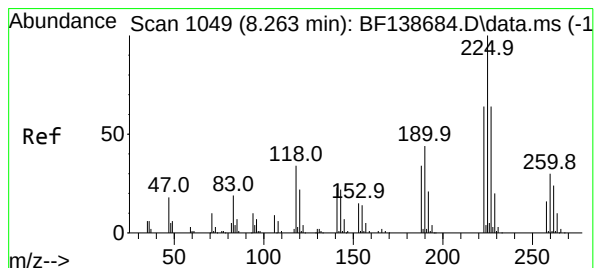
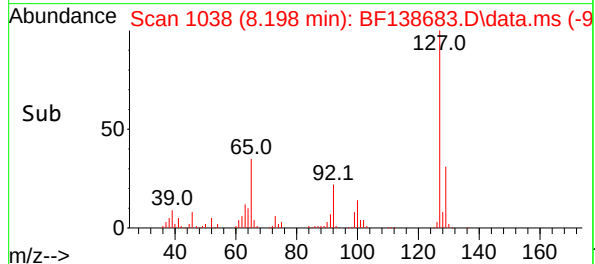
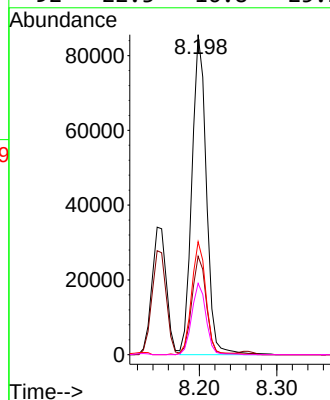
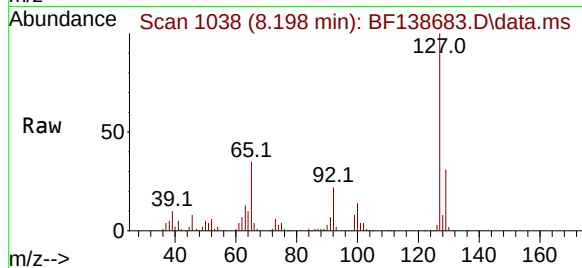




#33
4-Chloroaniline
Concen: 20.887 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

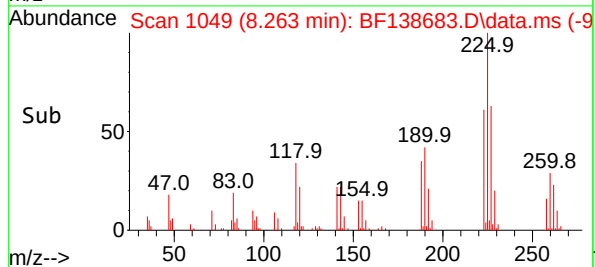
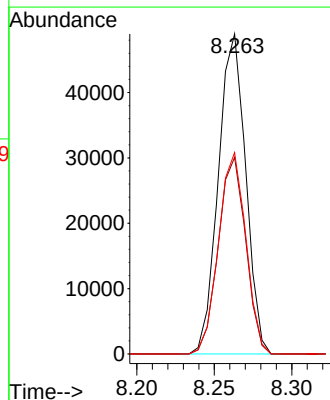
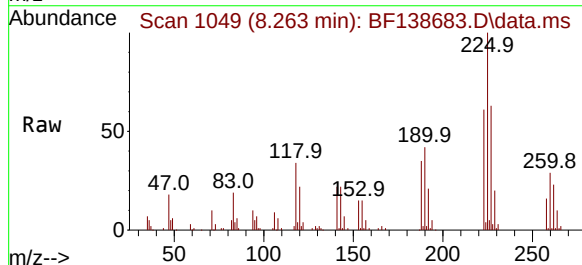
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

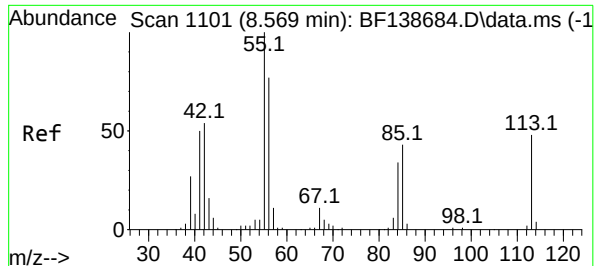
Tgt Ion:127 Resp: 111005
Ion Ratio Lower Upper
127 100
129 30.7 25.9 38.9
65 35.3 27.6 41.4
92 22.3 16.8 25.2



#34
Hexachlorobutadiene
Concen: 20.749 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:225 Resp: 60058
Ion Ratio Lower Upper
225 100
223 61.5 51.2 76.8
227 62.9 51.1 76.7

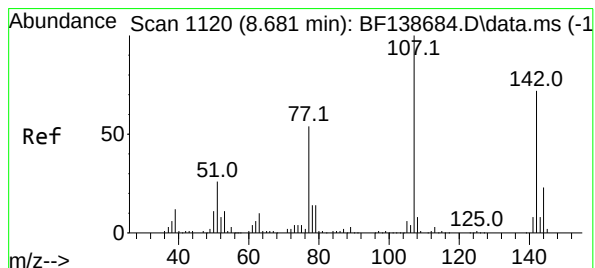
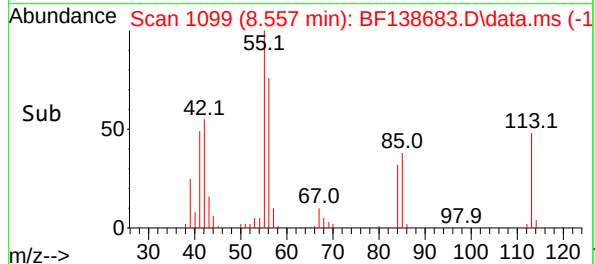
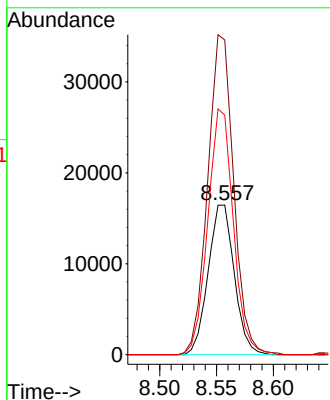
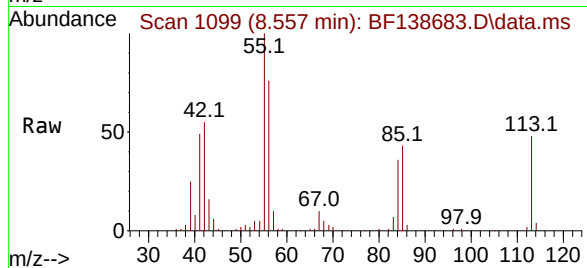




#35
Caprolactam
Concen: 21.333 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

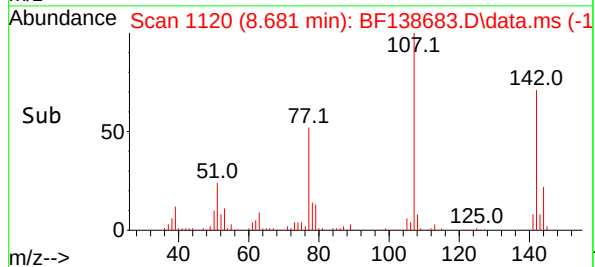
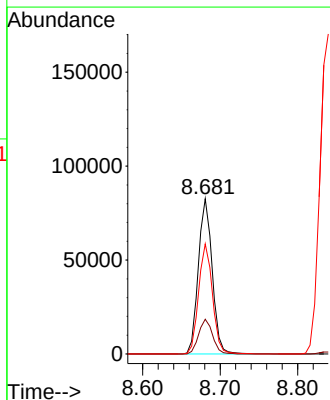
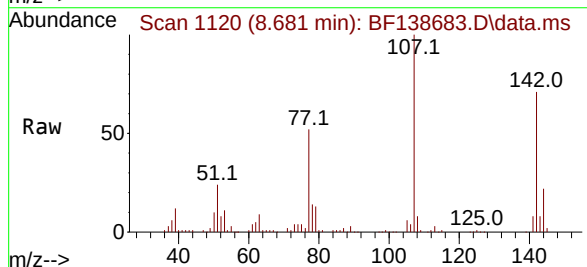
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

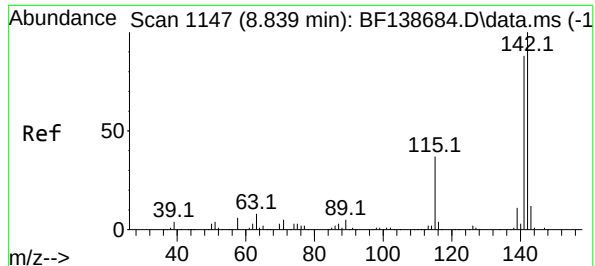
Tgt Ion:113 Resp: 26359
Ion Ratio Lower Upper
113 100
55 210.5 186.7 226.7
56 160.2 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 21.794 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:107 Resp: 103141
Ion Ratio Lower Upper
107 100
144 22.4 18.2 27.2
142 70.9 57.4 86.2





#37

2-Methylnaphthalene

Concen: 21.323 ng

RT: 8.840 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

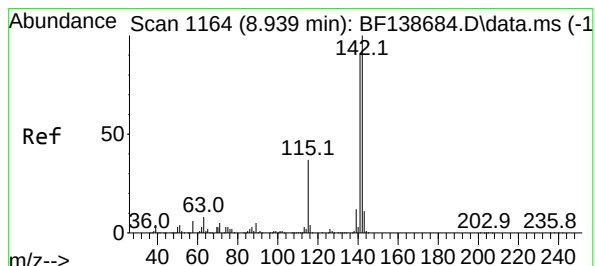
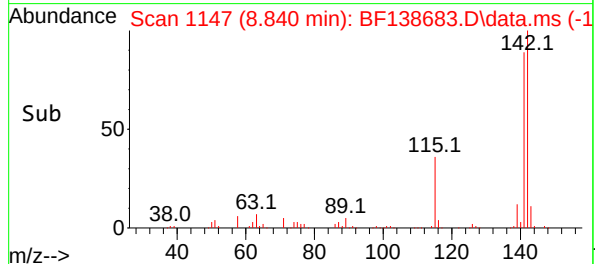
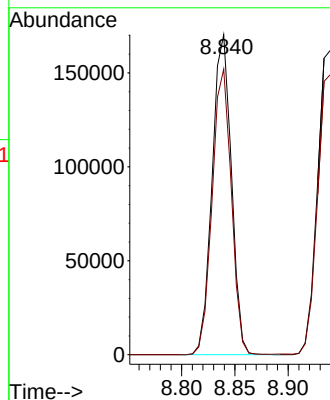
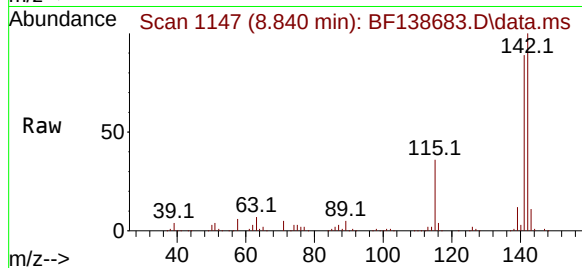
SSTDICC020

Tgt Ion:142 Resp: 213210

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2



#38

1-Methylnaphthalene

Concen: 21.253 ng

RT: 8.940 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF138683.D

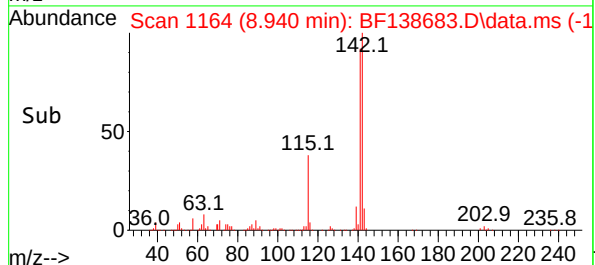
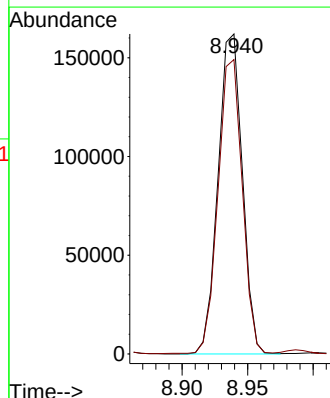
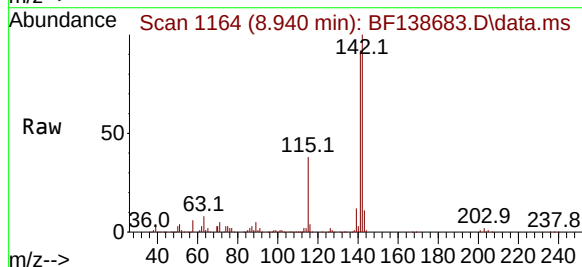
Acq: 30 Jul 2024 14:25

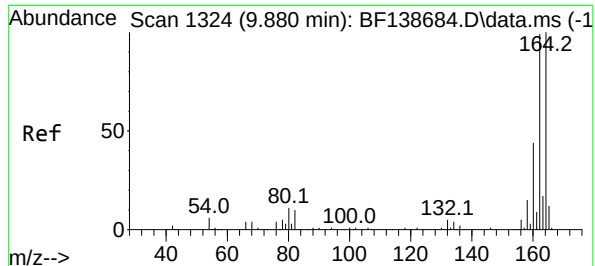
Tgt Ion:142 Resp: 208242

Ion Ratio Lower Upper

142 100

141 92.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1175

Delta R.T. 0.001 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

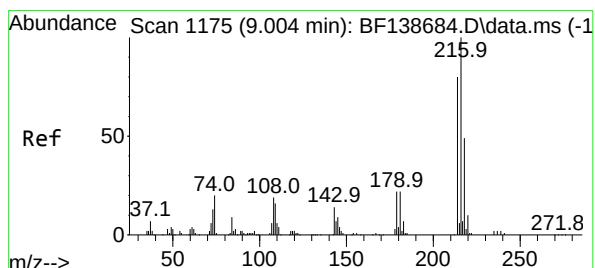
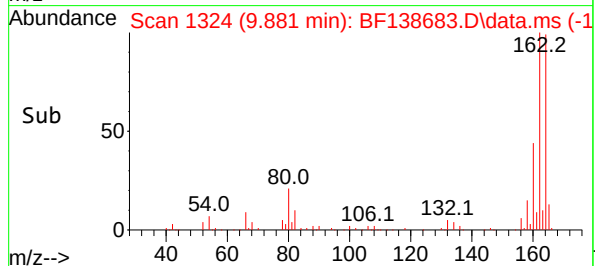
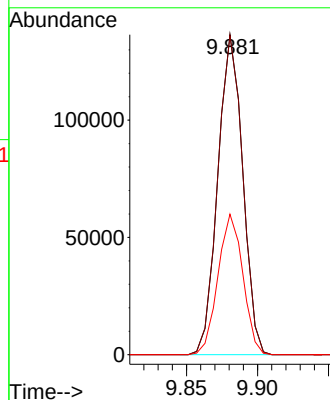
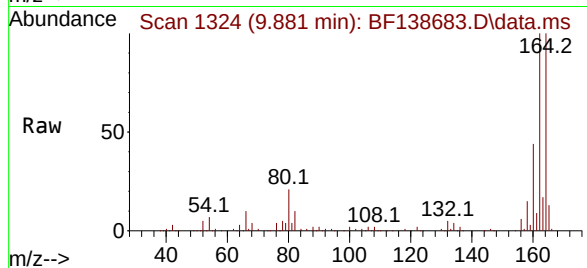
Tgt Ion:164 Resp: 166031

Ion Ratio Lower Upper

164 100

162 99.8 79.4 119.0

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.924 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Tgt Ion:216 Resp: 96503

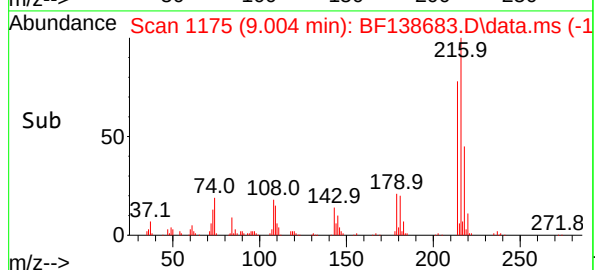
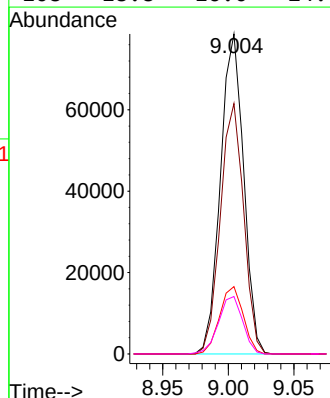
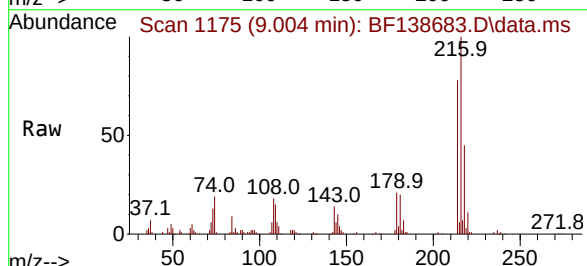
Ion Ratio Lower Upper

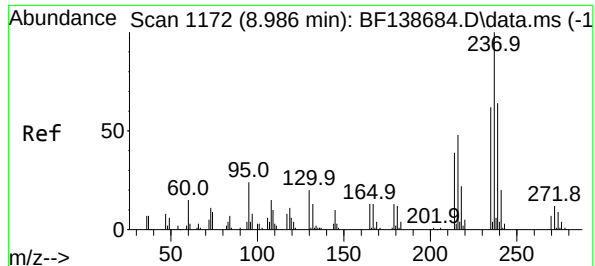
216 100

214 78.5 63.9 95.9

179 21.5 17.8 26.6

108 18.8 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 19.505 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.001 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

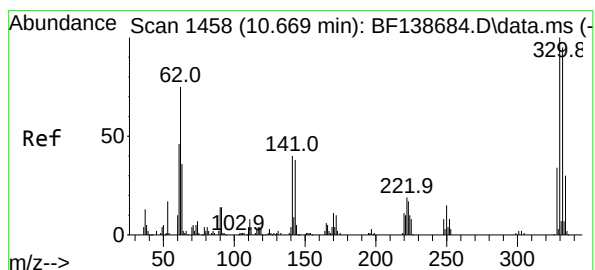
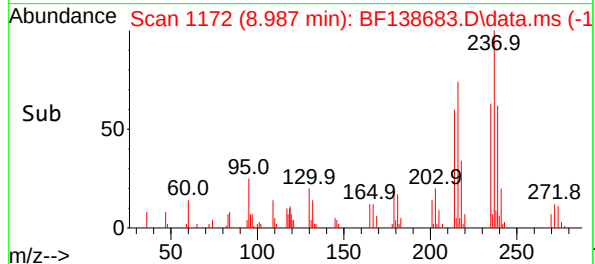
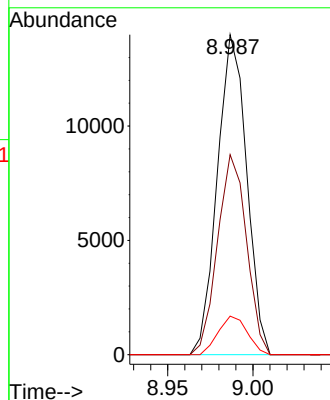
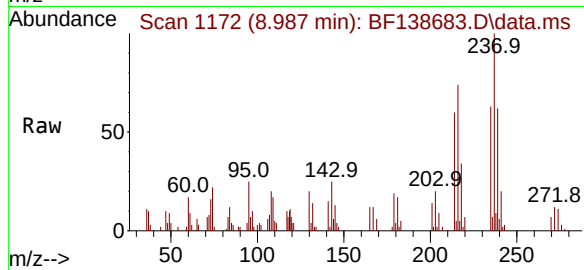
Tgt Ion:237 Resp: 16767

Ion Ratio Lower Upper

237 100

235 62.5 41.8 81.8

272 12.0 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 42.922 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

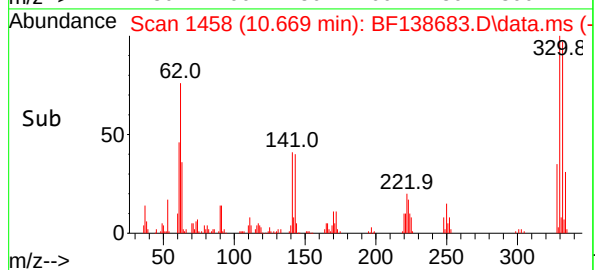
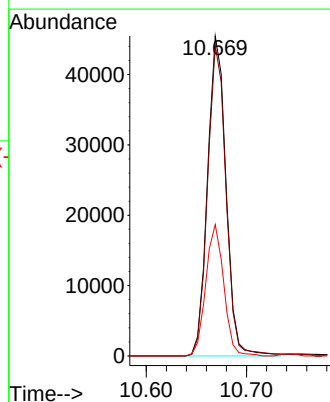
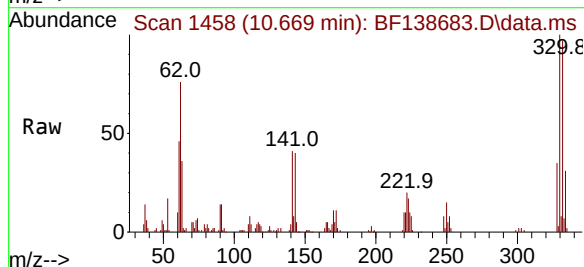
Tgt Ion:330 Resp: 58374

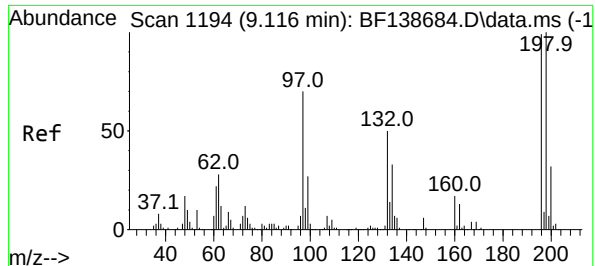
Ion Ratio Lower Upper

330 100

332 97.0 76.4 114.6

141 39.9 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 20.830 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

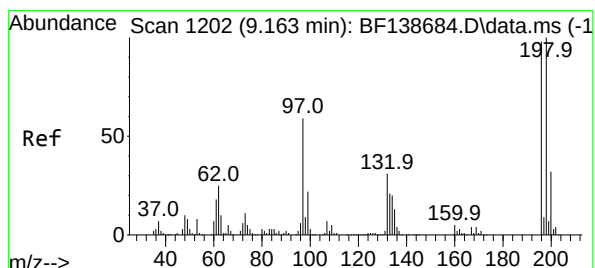
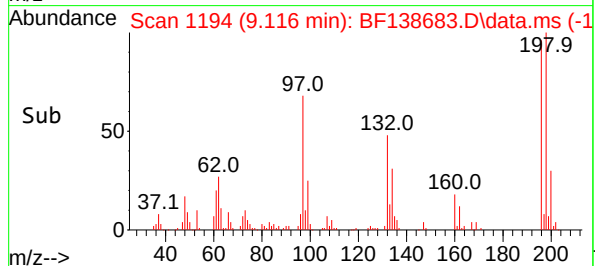
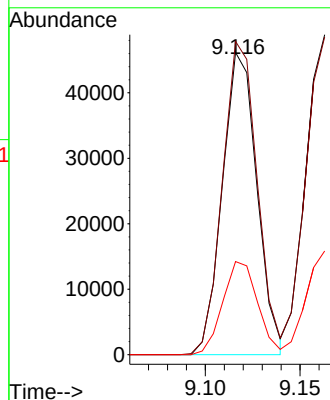
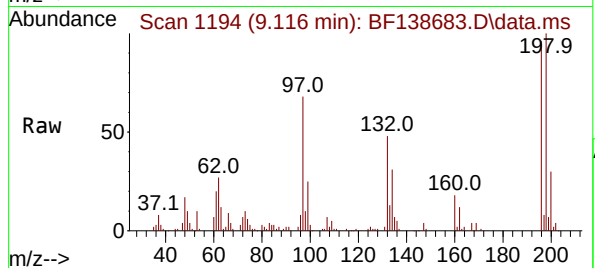
Tgt Ion:196 Resp: 58575

Ion Ratio Lower Upper

196 100

198 103.7 80.5 120.7

200 30.8 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 20.907 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Tgt Ion:196 Resp: 64272

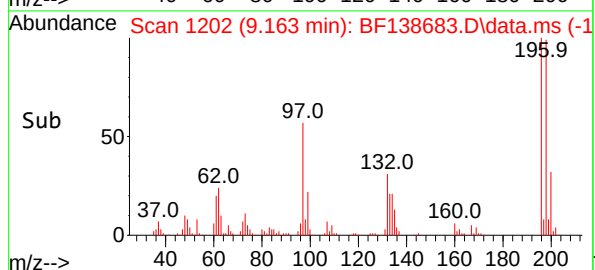
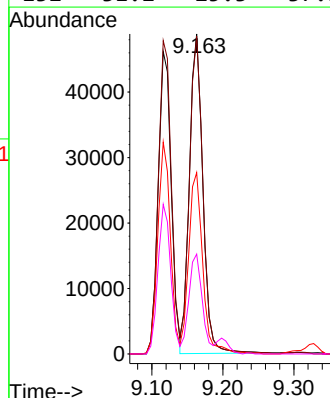
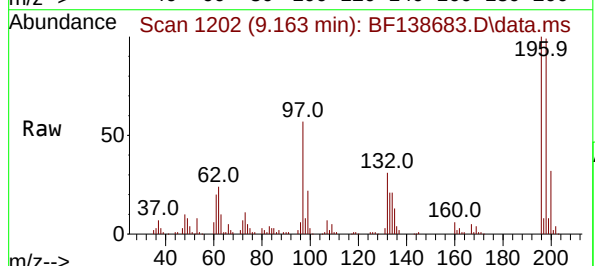
Ion Ratio Lower Upper

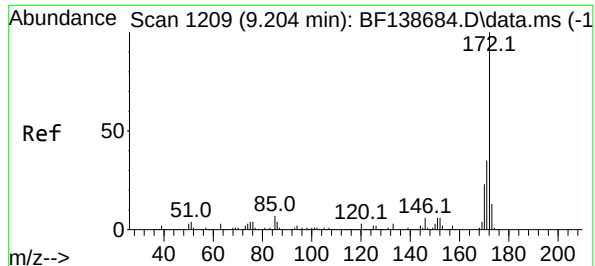
196 100

198 99.3 81.2 121.8

97 56.7 47.8 71.6

132 31.2 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 42.138 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

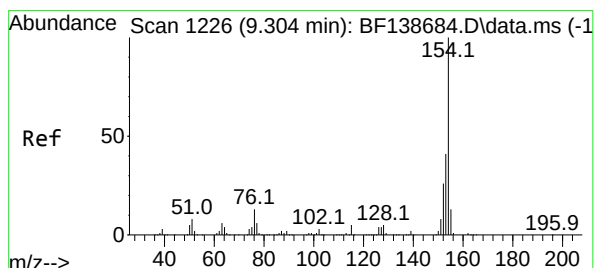
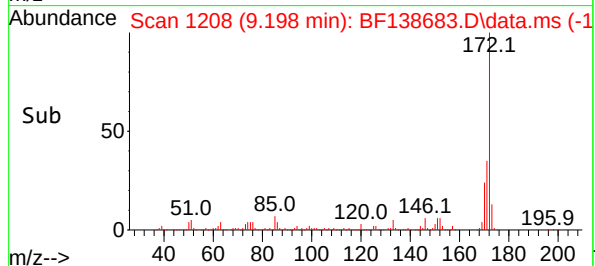
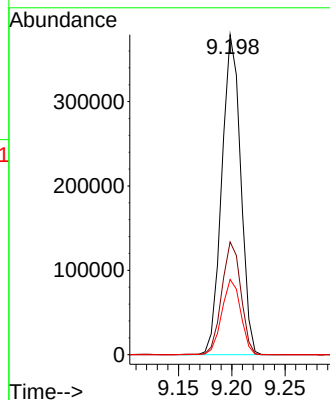
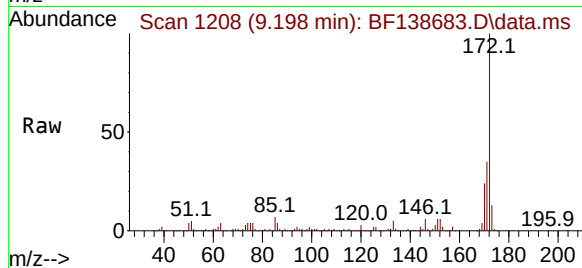
Tgt Ion:172 Resp: 465641

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 20.807 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

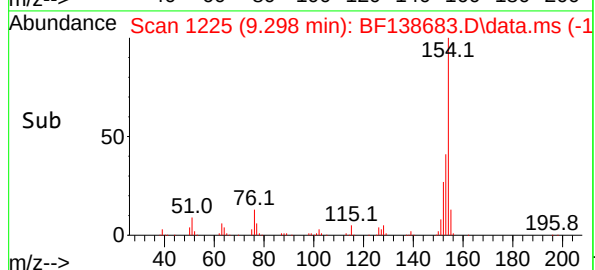
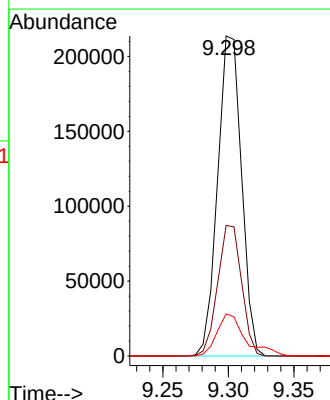
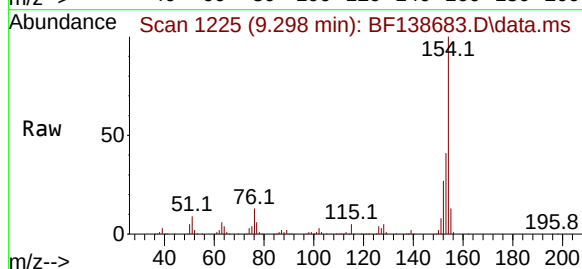
Tgt Ion:154 Resp: 270560

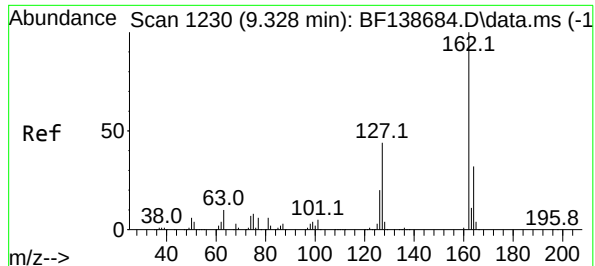
Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

76 13.2 0.0 32.8

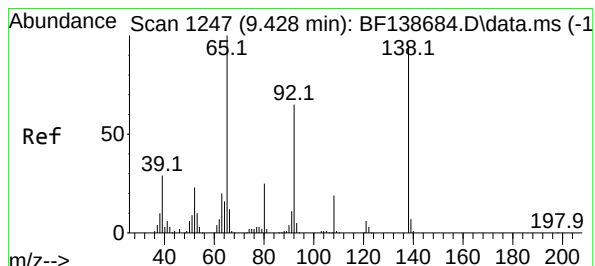
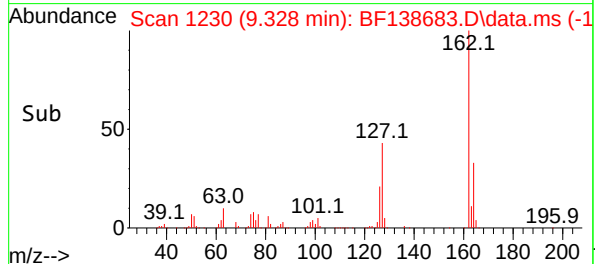
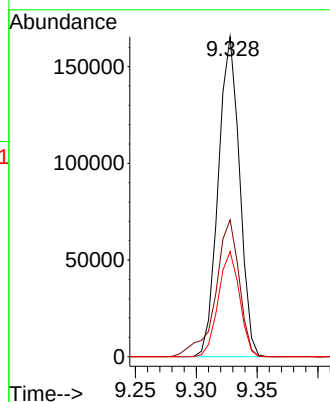
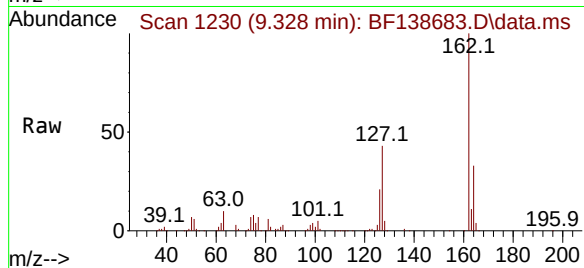




#47
2-Chloronaphthalene
Concen: 20.822 ng
RT: 9.328 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

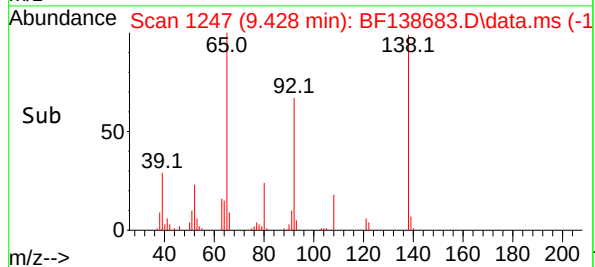
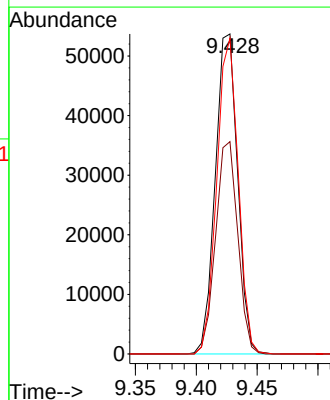
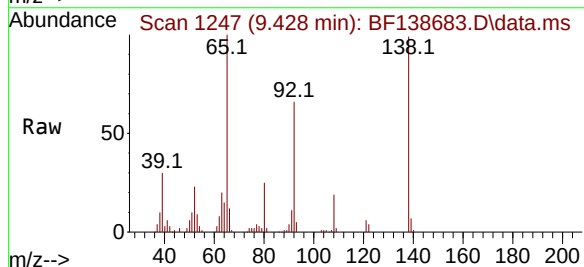
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

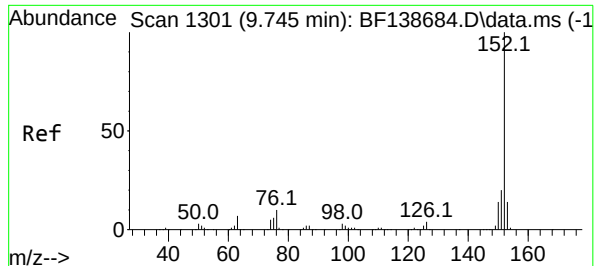
Tgt Ion:162 Resp: 201367
Ion Ratio Lower Upper
162 100
127 42.8 35.4 53.2
164 32.9 25.6 38.4



#48
2-Nitroaniline
Concen: 20.943 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 65 Resp: 68663
Ion Ratio Lower Upper
65 100
92 66.3 52.0 78.0
138 98.6 76.2 114.4





#49

Acenaphthylene

Concen: 21.093 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138683.D

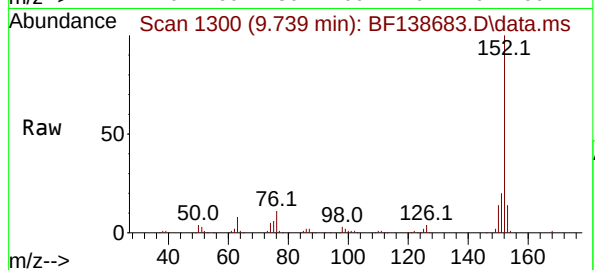
Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



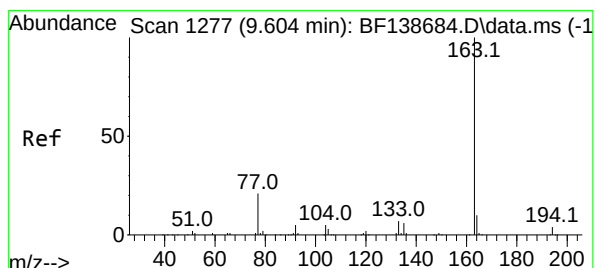
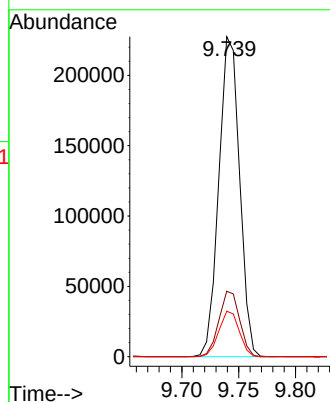
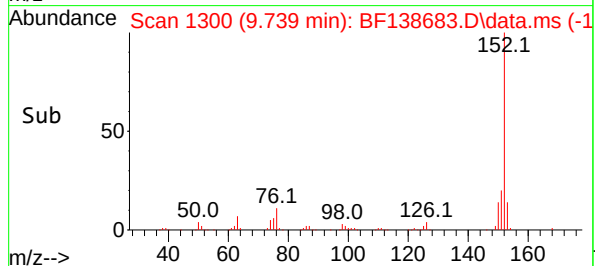
Tgt Ion:152 Resp: 289321

Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

153 14.2 11.0 16.4



#50

Dimethylphthalate

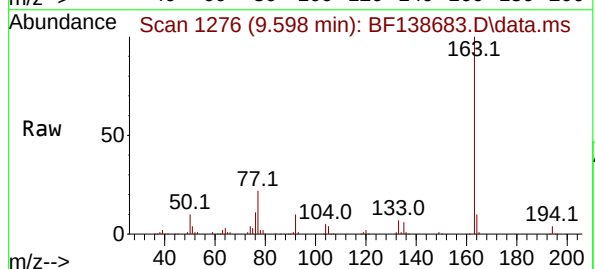
Concen: 21.376 ng

RT: 9.598 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25



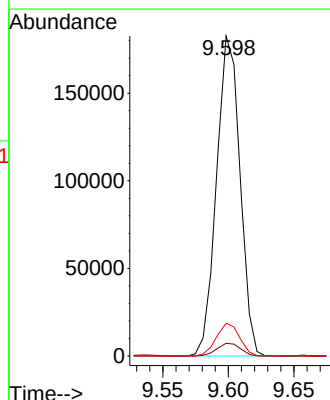
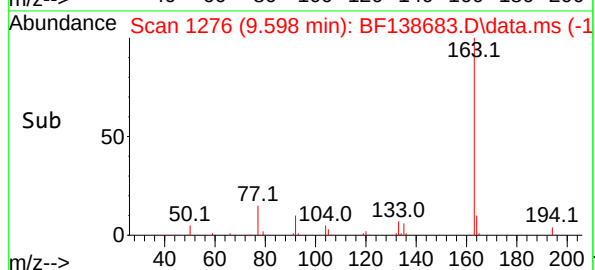
Tgt Ion:163 Resp: 226938

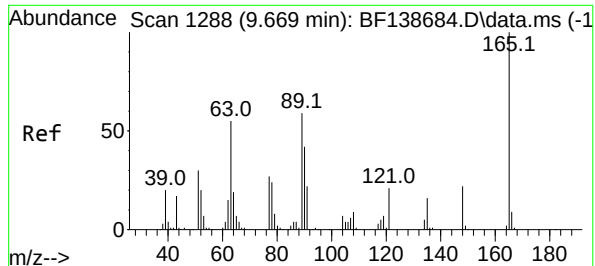
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.2 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 21.078 ng

RT: 9.663 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

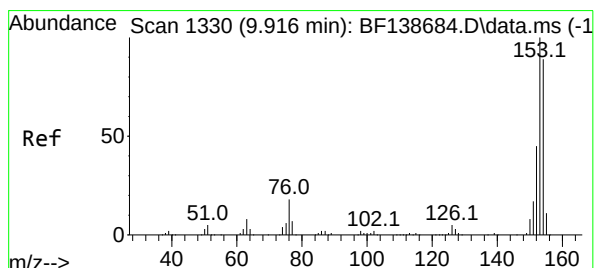
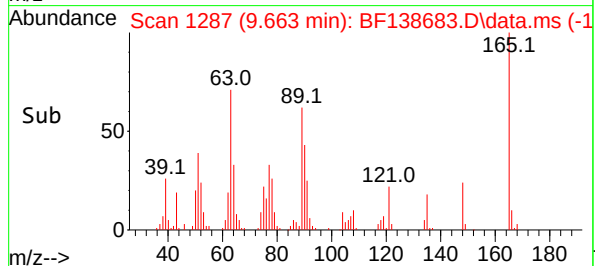
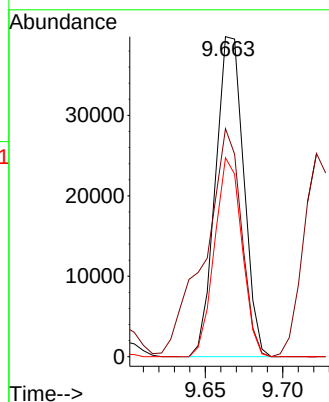
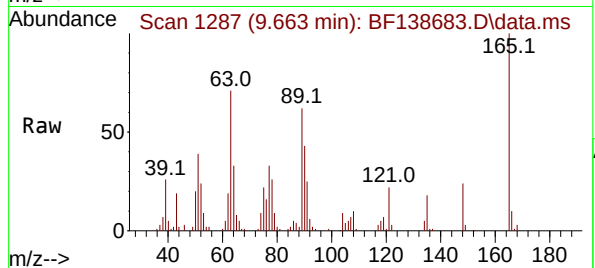
Tgt Ion:165 Resp: 50501

Ion Ratio Lower Upper

165 100

63 71.3 52.0 78.0

89 62.2 47.0 70.6



#52

Acenaphthene

Concen: 21.047 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

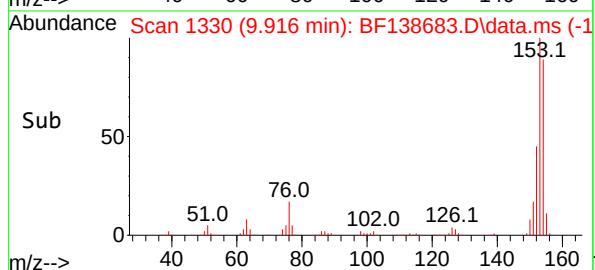
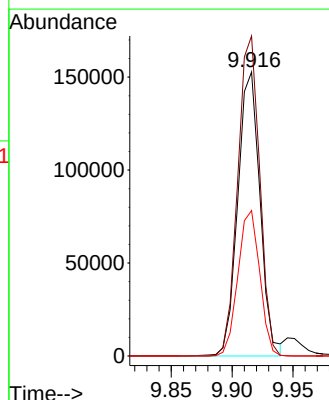
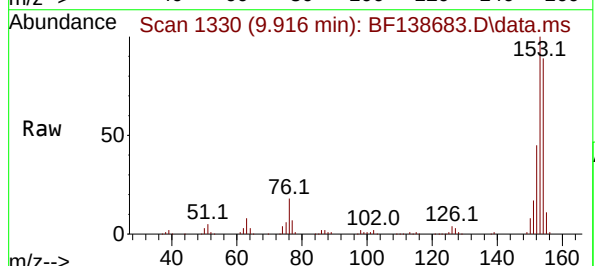
Tgt Ion:154 Resp: 194057

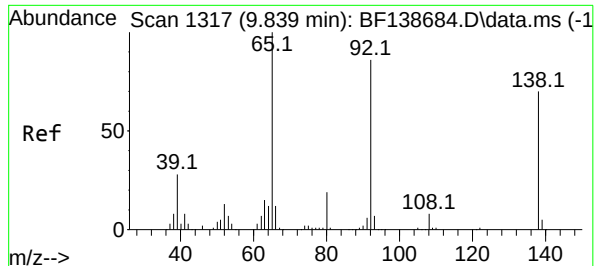
Ion Ratio Lower Upper

154 100

153 112.6 89.9 134.9

152 51.2 40.6 60.8

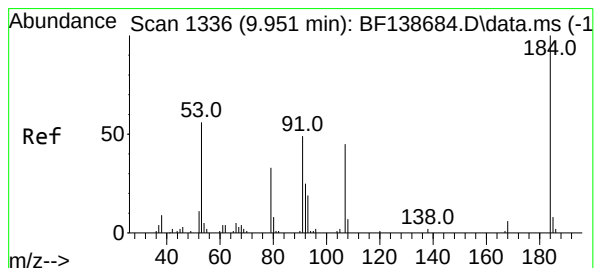
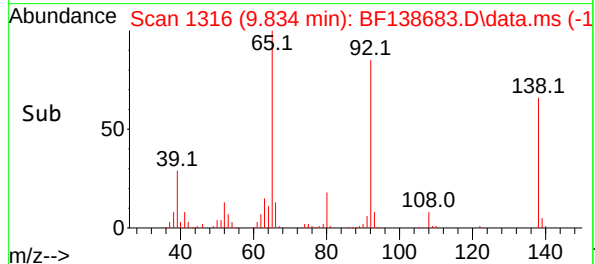
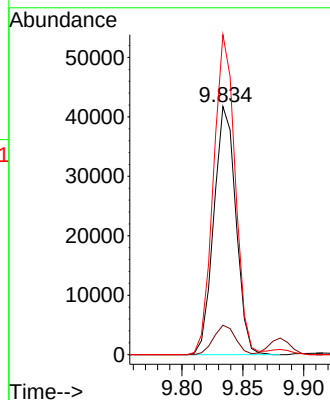
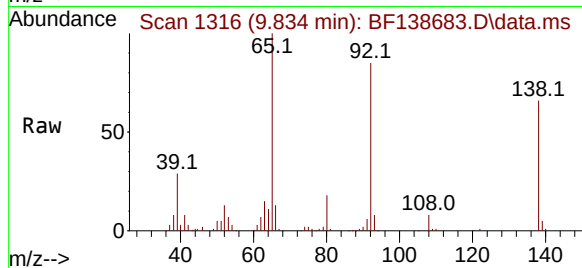




#53
3-Nitroaniline
Concen: 21.244 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

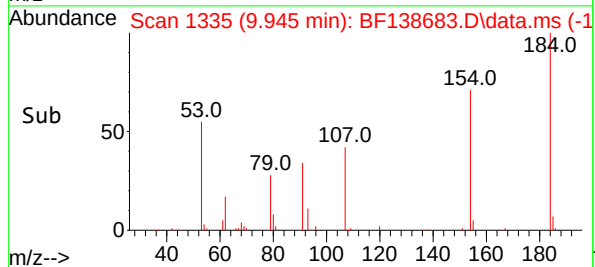
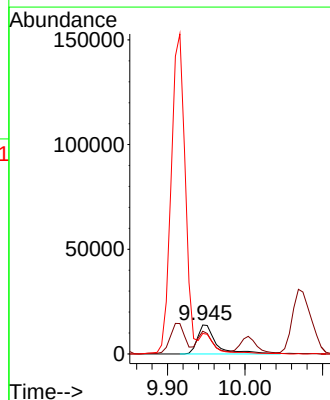
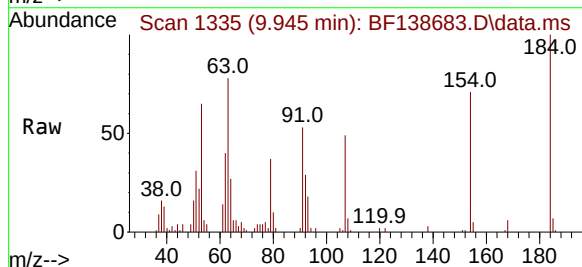
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

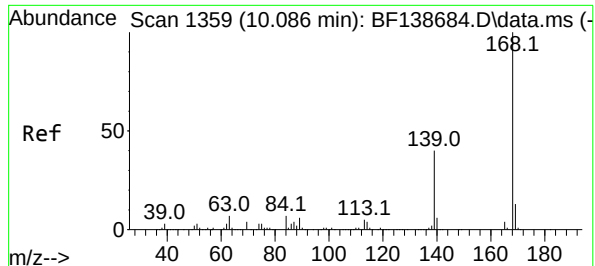
Tgt Ion:138 Resp: 52618
Ion Ratio Lower Upper
138 100
108 11.9 9.1 13.7
92 128.9 98.7 148.1



#54
2,4-Dinitrophenol
Concen: 21.374 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:184 Resp: 23573
Ion Ratio Lower Upper
184 100
63 78.5 57.5 86.3
154 70.7 51.7 77.5

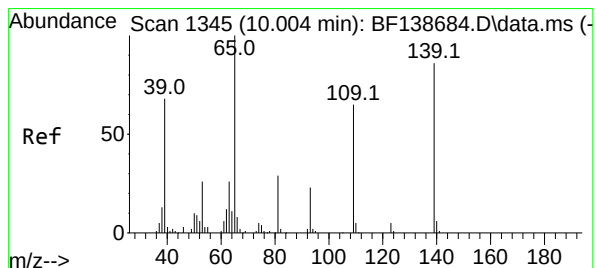
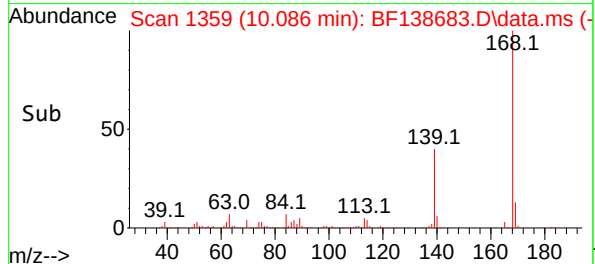
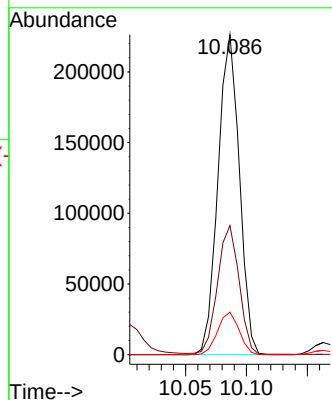
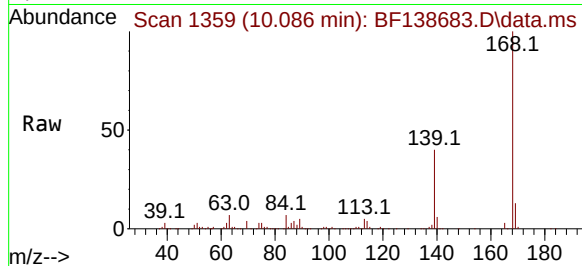




#55
Dibenzofuran
Concen: 21.249 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

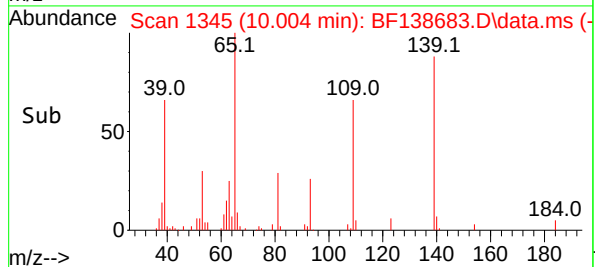
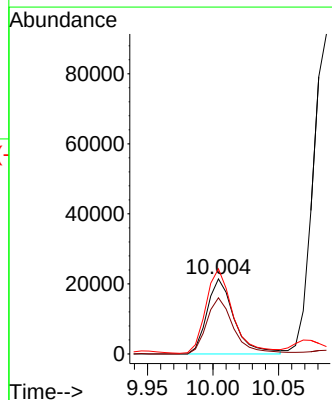
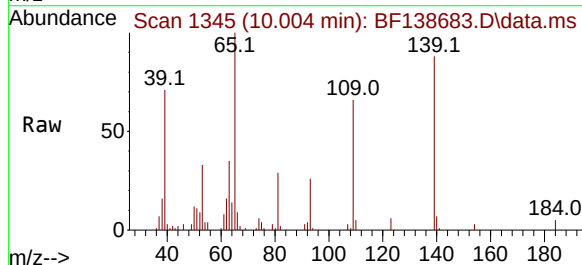
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

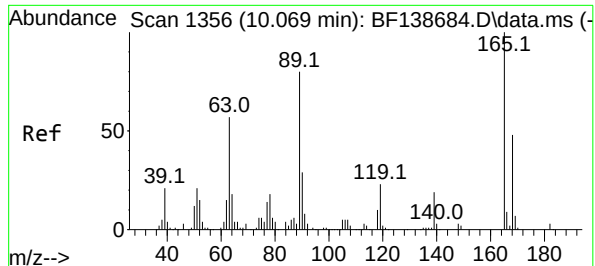
Tgt Ion:168 Resp: 276572
Ion Ratio Lower Upper
168 100
139 40.4 32.6 49.0
169 13.3 10.7 16.1



#56
4-Nitrophenol
Concen: 20.745 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:139 Resp: 30898
Ion Ratio Lower Upper
139 100
109 74.9 55.5 95.5
65 113.5 96.7 136.7

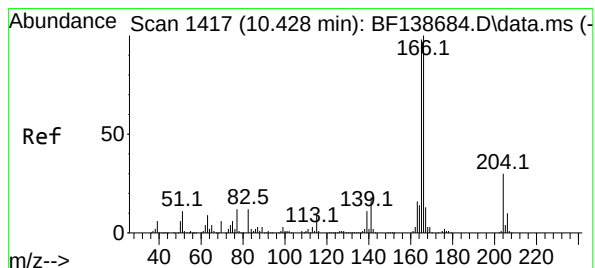
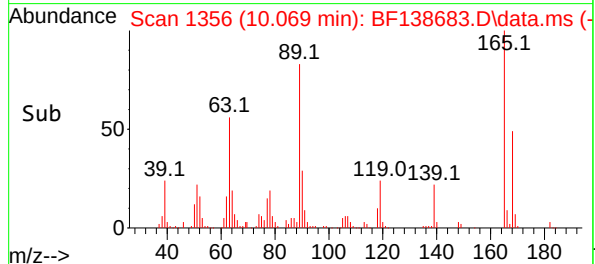
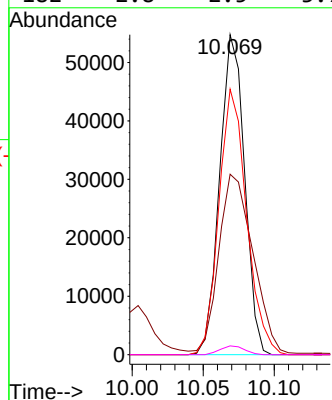
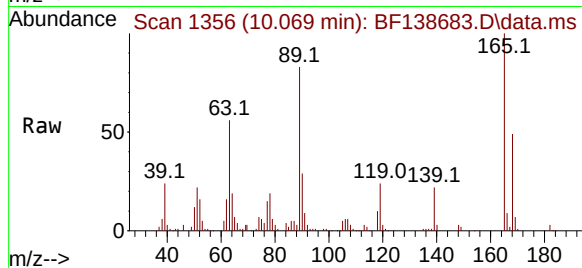




#57
2,4-Dinitrotoluene
Concen: 21.832 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

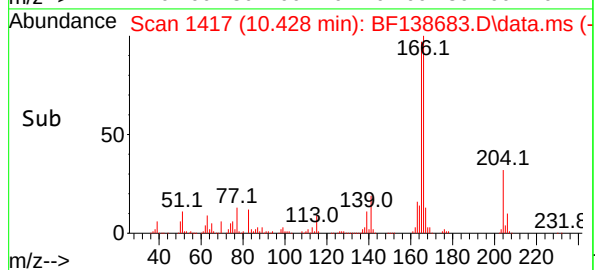
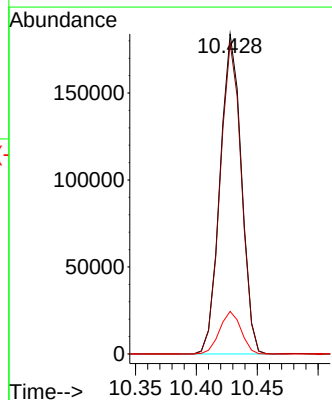
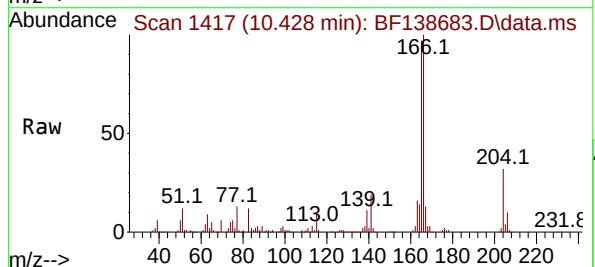
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

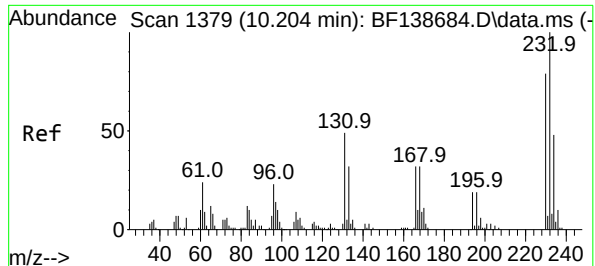
Tgt Ion:165 Resp: 66734
Ion Ratio Lower Upper
165 100
63 56.4 46.3 69.5
89 82.9 64.2 96.4
182 2.8 2.5 3.7



#58
Fluorene
Concen: 21.646 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:166 Resp: 224349
Ion Ratio Lower Upper
166 100
165 97.3 78.4 117.6
167 13.3 10.6 16.0

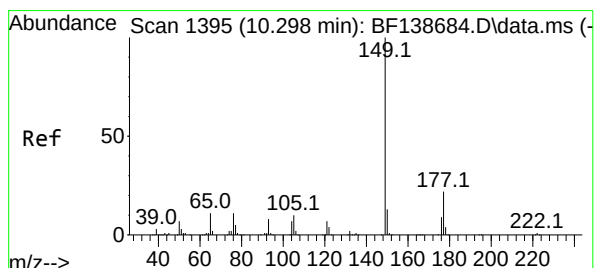
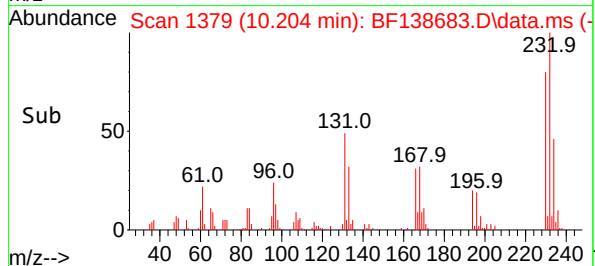
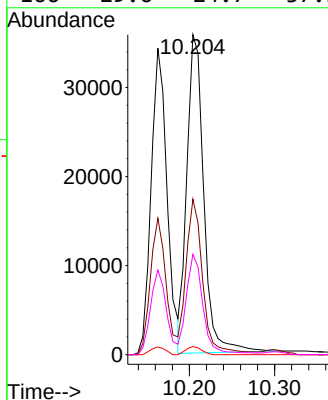
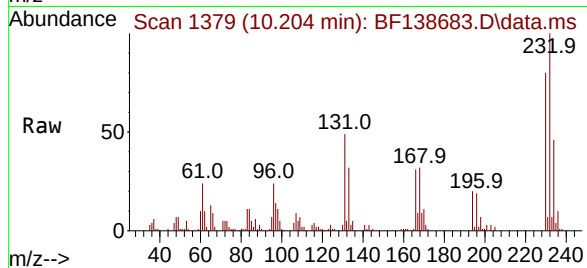




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.005 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

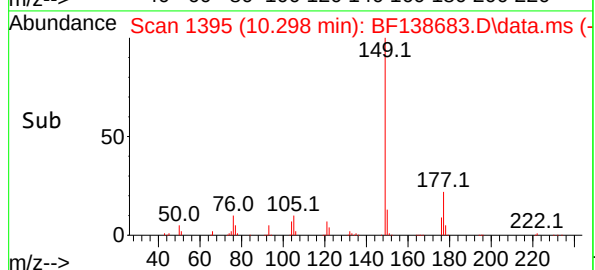
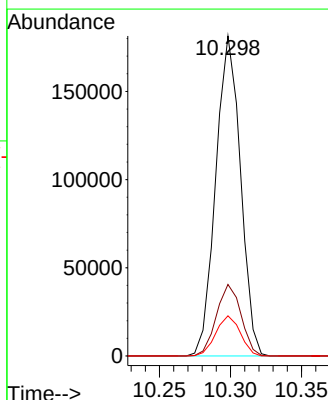
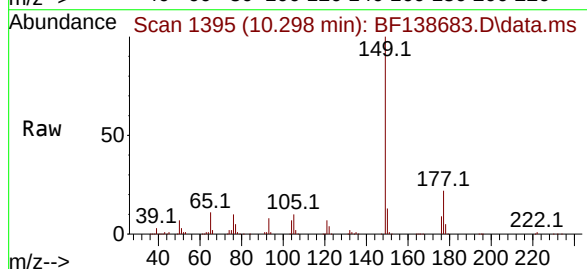
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

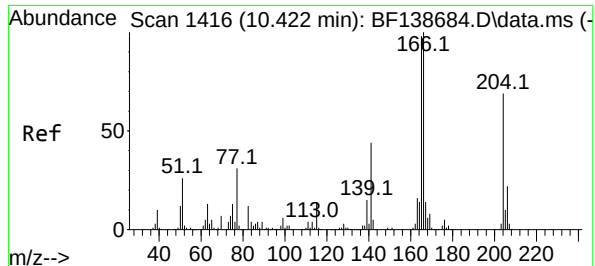
Tgt Ion:232 Resp: 49368
Ion Ratio Lower Upper
232 100
131 48.1 37.0 55.4
130 2.4 2.0 3.0
166 29.6 24.7 37.1



#60
Diethylphthalate
Concen: 21.793 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 219374
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.8
150 12.6 10.1 15.1

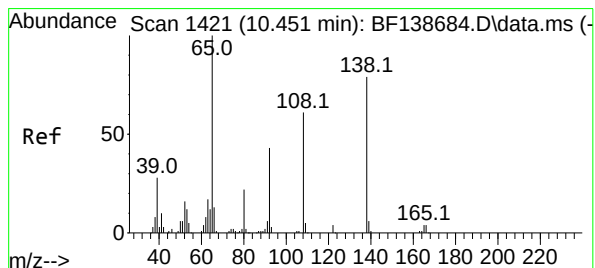
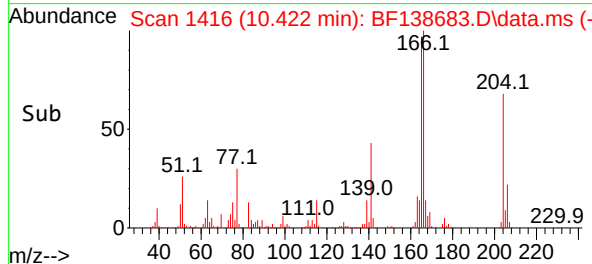
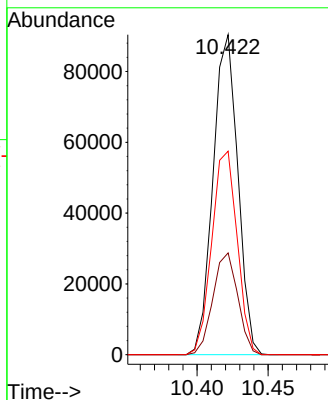
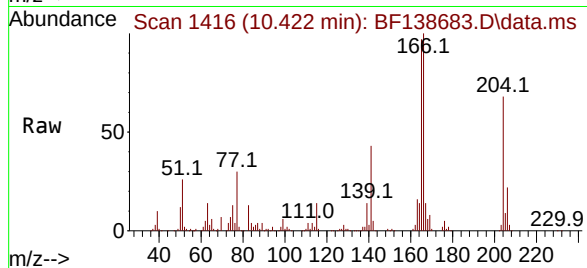




#61
4-Chlorophenyl-phenylether
Concen: 21.552 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

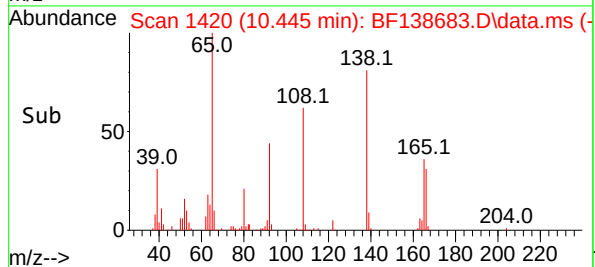
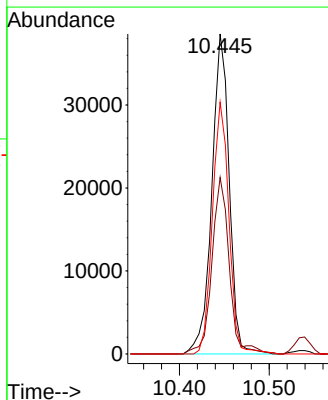
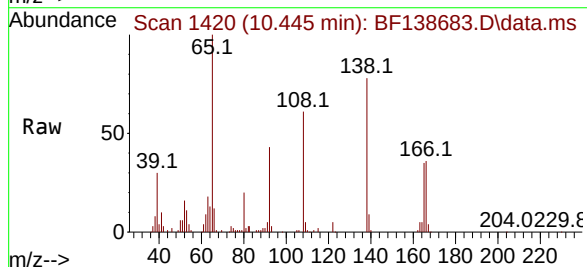
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

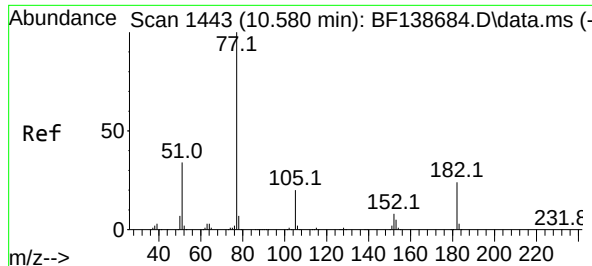
Tgt Ion:204 Resp: 109862
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 63.6 51.4 77.0



#62
4-Nitroaniline
Concen: 22.077 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:138 Resp: 51964
Ion Ratio Lower Upper
138 100
92 55.1 34.2 74.2
108 78.7 56.2 96.2

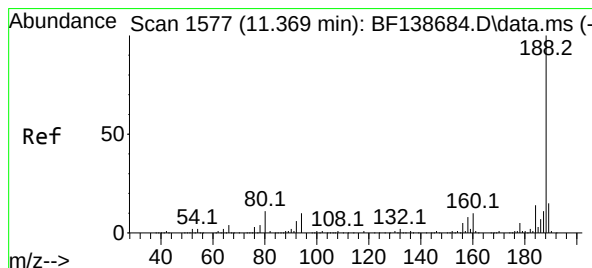
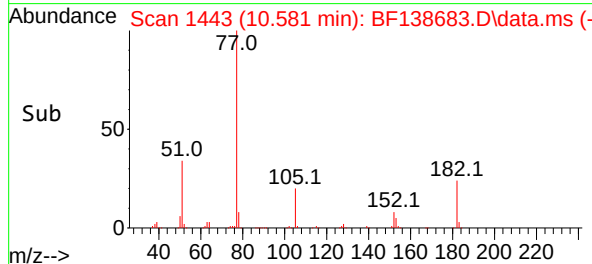
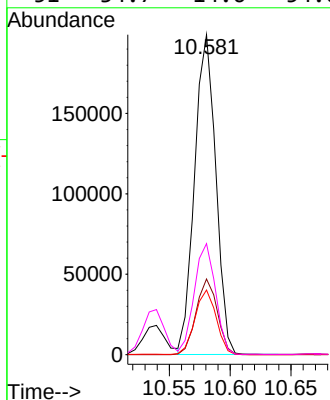
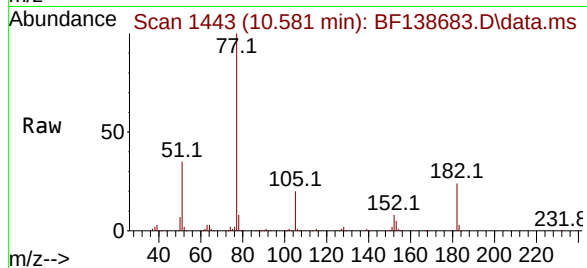




#63
Azobenzene
Concen: 21.566 ng
RT: 10.581 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

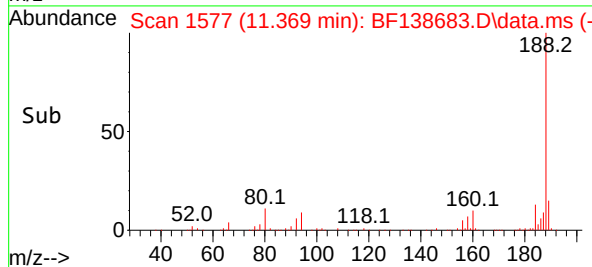
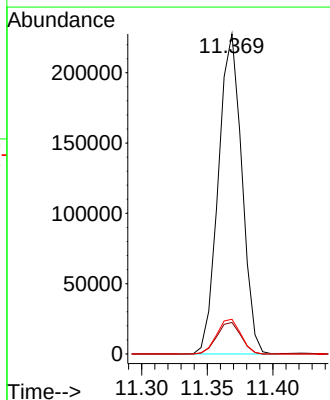
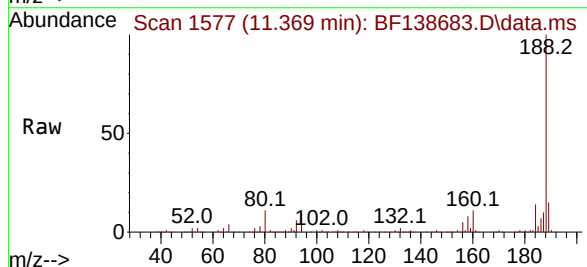
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

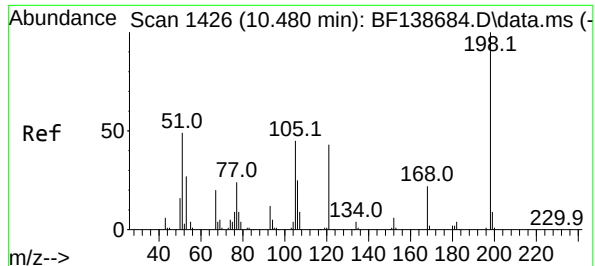
Tgt Ion:	77	Resp:	240769
Ion	Ratio	Lower	Upper
77	100		
182	23.7	3.4	43.4
105	20.2	0.2	40.2
51	34.7	14.6	54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:	188	Resp:	283009
Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.6	11.4
80	10.9	8.6	12.8

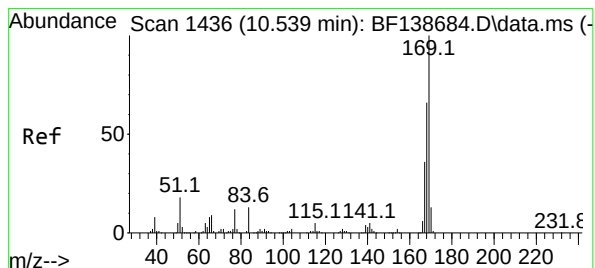
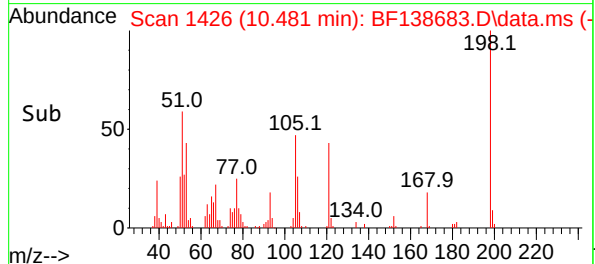
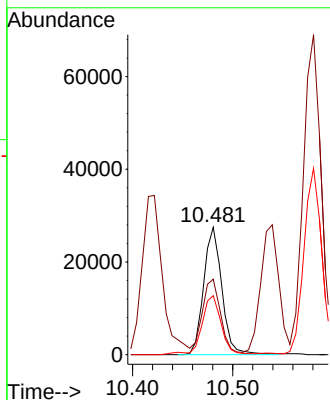
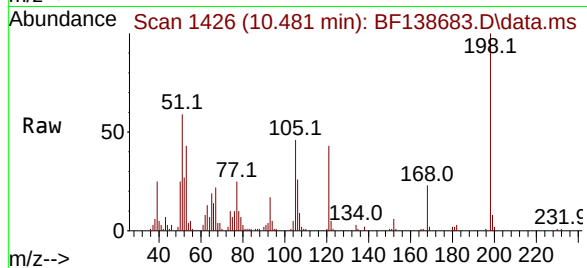




#65
4,6-Dinitro-2-methylphenol
Concen: 20.206 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

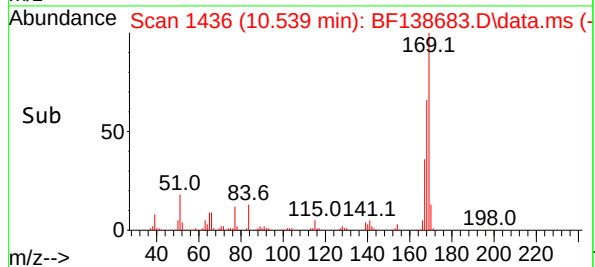
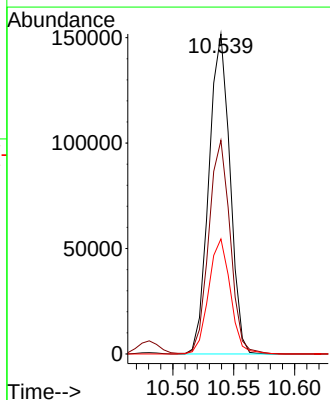
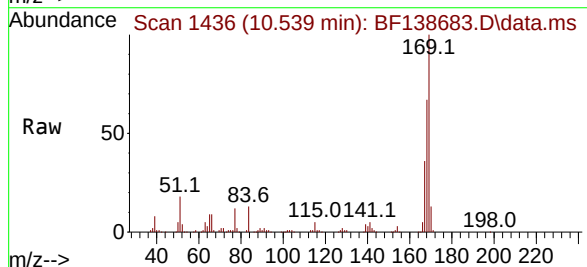
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

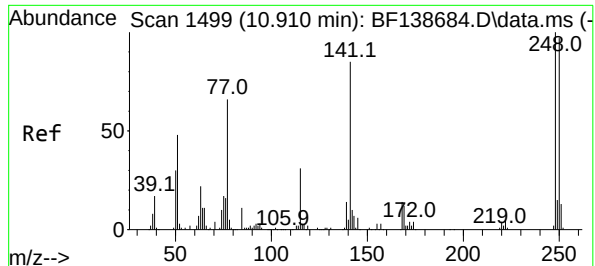
Tgt Ion	Ratio	Lower	Upper
198	100		
51	59.2	39.9	79.9
105	46.3	26.1	66.1



#66
n-Nitrosodiphenylamine
Concen: 20.636 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	35.9	29.0	43.6

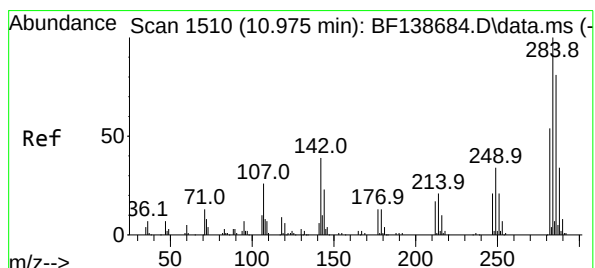
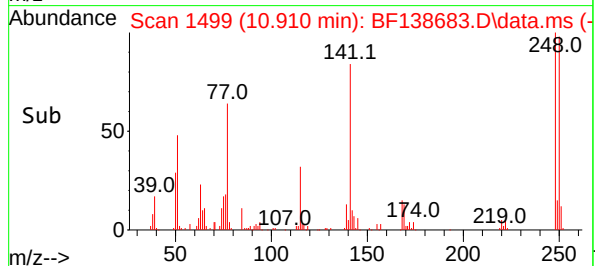
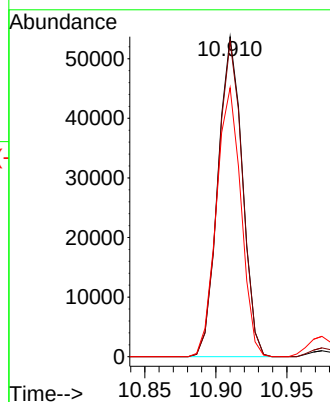
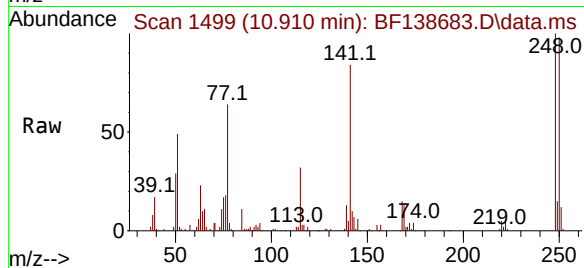




#67
4-Bromophenyl-phenylether
Concen: 20.903 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

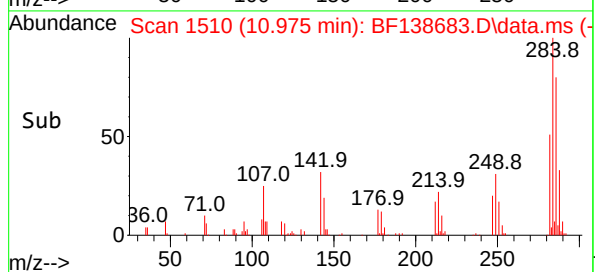
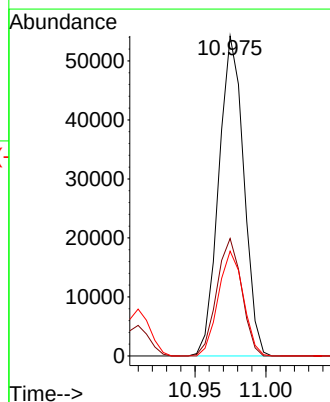
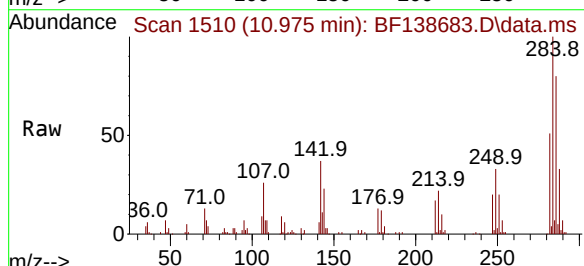
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

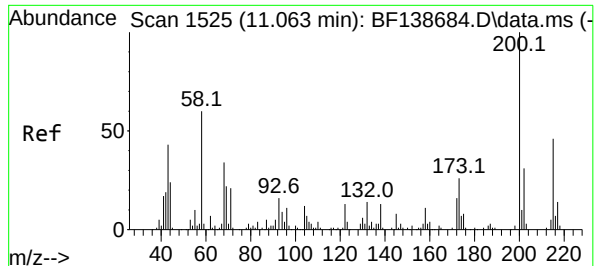
Tgt Ion:248 Resp: 64049
Ion Ratio Lower Upper
248 100
250 98.5 77.7 116.5
141 84.1 68.0 102.0



#68
Hexachlorobenzene
Concen: 20.966 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:284 Resp: 66331
Ion Ratio Lower Upper
284 100
142 36.7 31.3 46.9
249 32.8 27.2 40.8





#69

Atrazine

Concen: 21.847 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

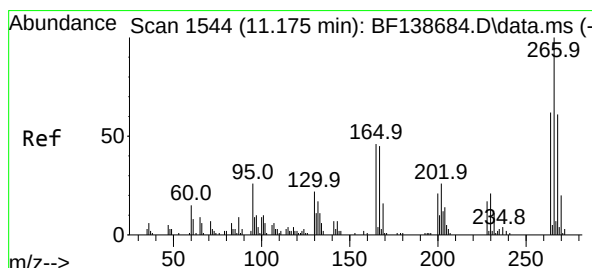
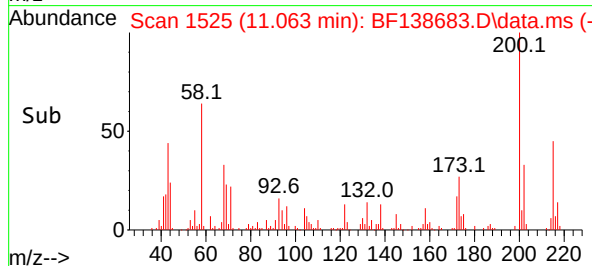
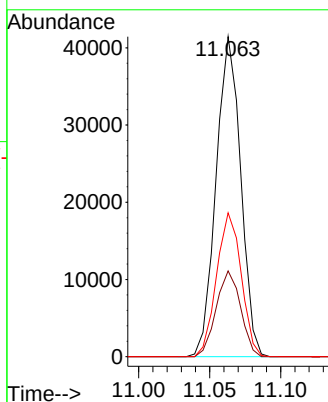
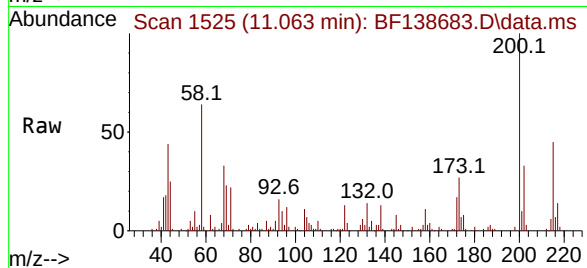
Tgt Ion:200 Resp: 49863

Ion Ratio Lower Upper

200 100

173 26.8 6.0 46.0

215 45.0 26.1 66.1



#70

Pentachlorophenol

Concen: 19.263 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

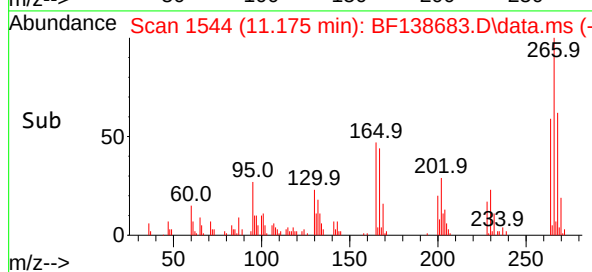
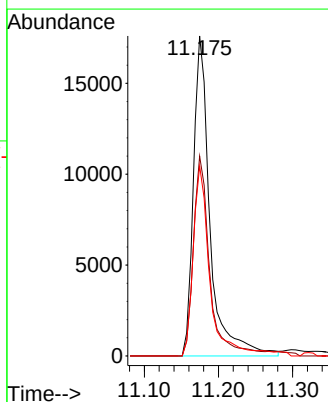
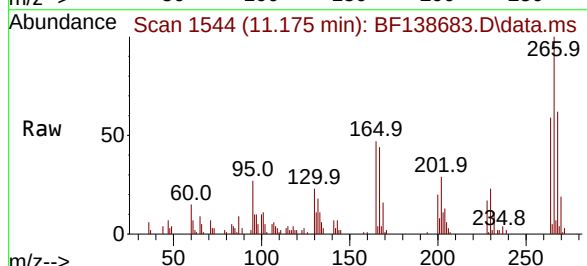
Tgt Ion:266 Resp: 27470

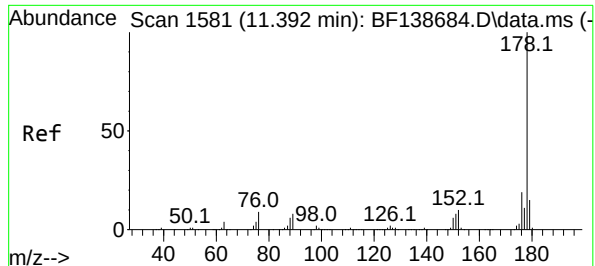
Ion Ratio Lower Upper

266 100

268 62.5 49.2 73.8

264 59.4 49.8 74.6

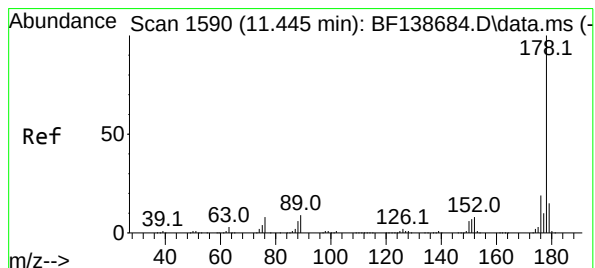
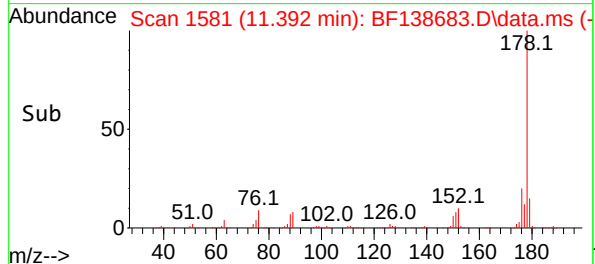
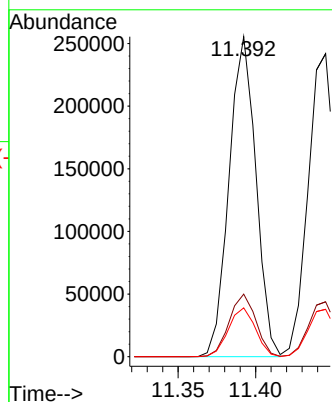
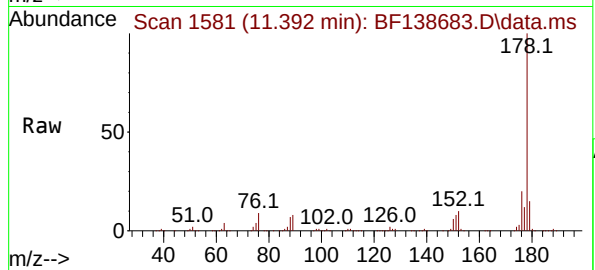




#71
Phenanthrene
Concen: 21.117 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

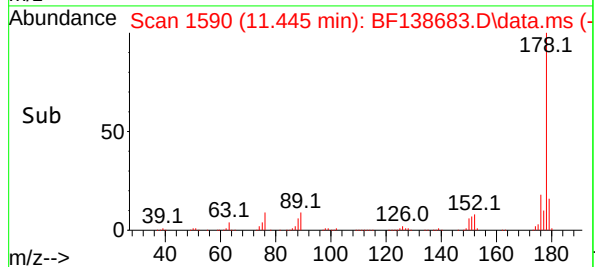
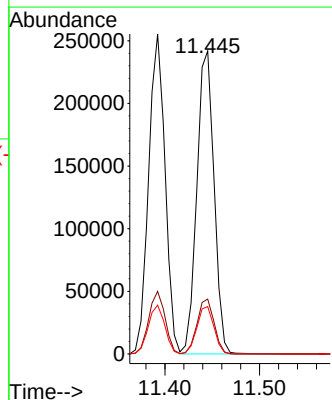
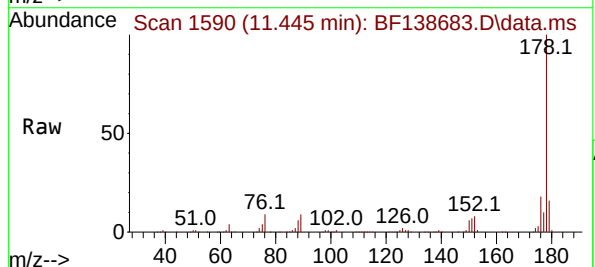
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

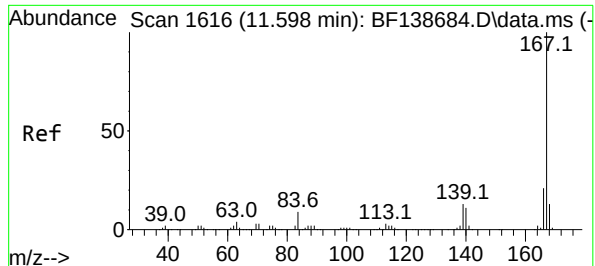
Tgt Ion:178 Resp: 307735
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.3 12.2 18.2



#72
Anthracene
Concen: 21.256 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

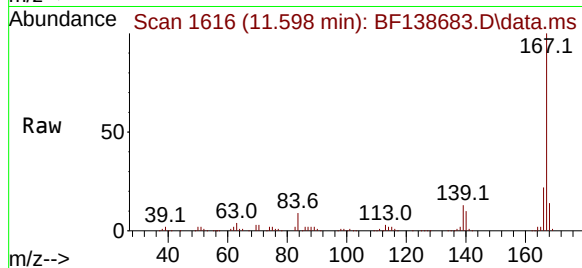
Tgt Ion:178 Resp: 305147
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.6 12.4 18.6



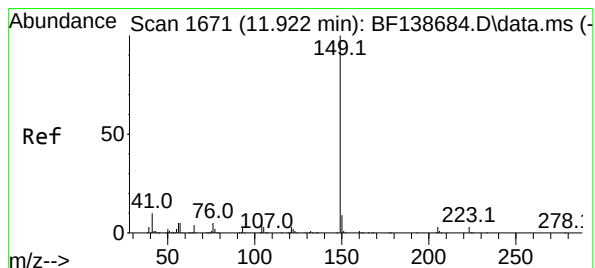
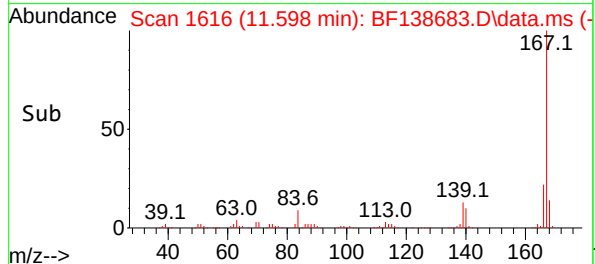
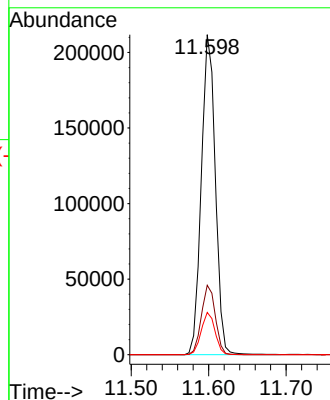


#73
Carbazole
Concen: 21.474 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

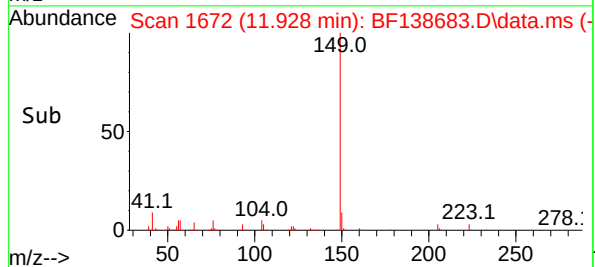
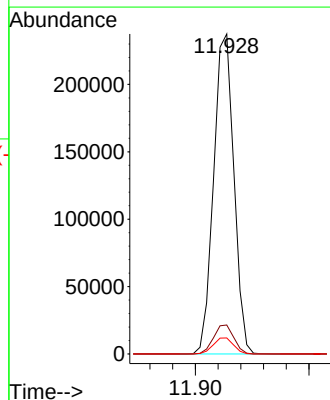
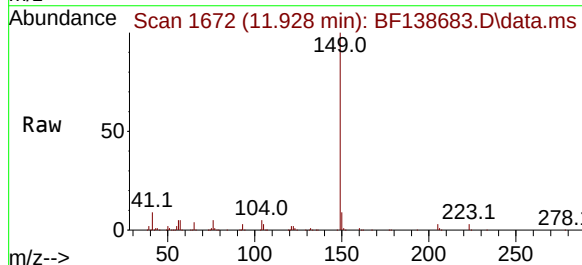


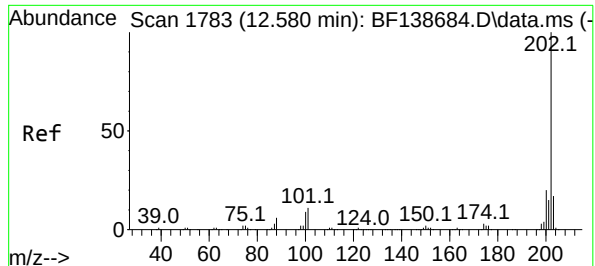
Tgt Ion:167 Resp: 265973
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 13.2 10.6 16.0



#74
Di-n-butylphthalate
Concen: 21.131 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 294214
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 5.0 4.1 6.1

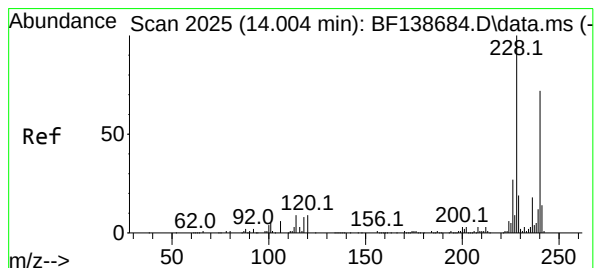
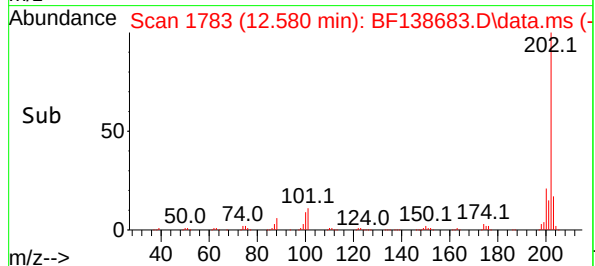
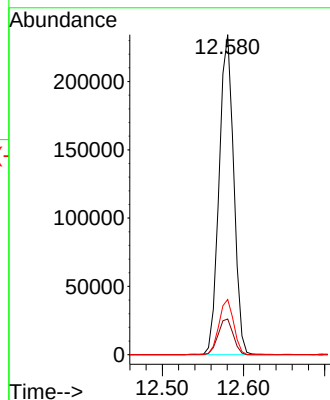
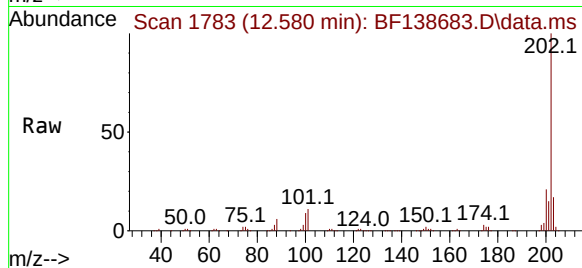




#75
Fluoranthene
Concen: 21.613 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

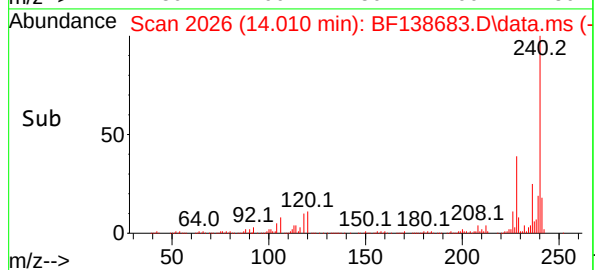
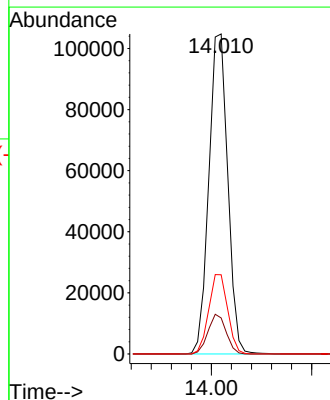
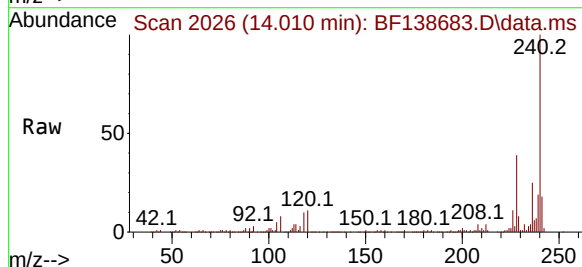
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

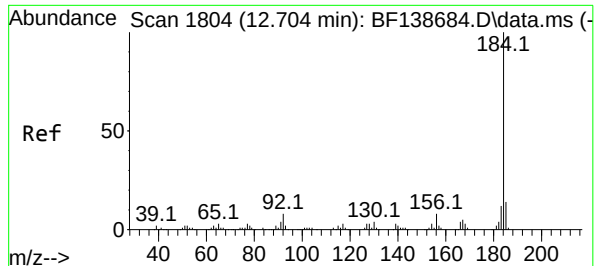
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.2
203	17.3	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.2	15.4
236	24.7	19.8	29.8





#77

Benzidine

Concen: 20.254 ng

RT: 12.704 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

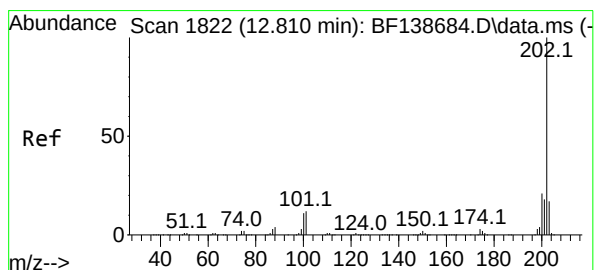
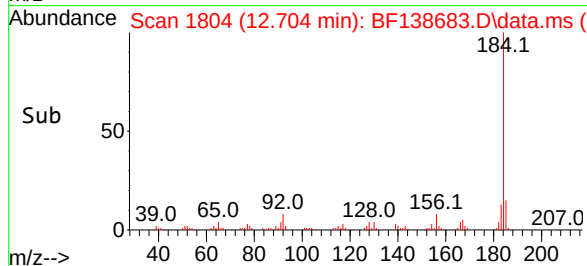
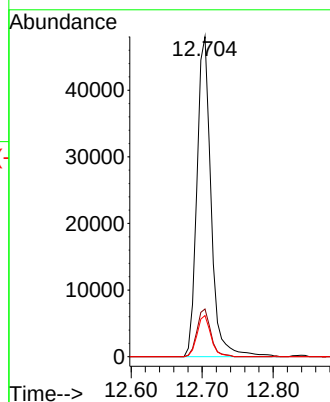
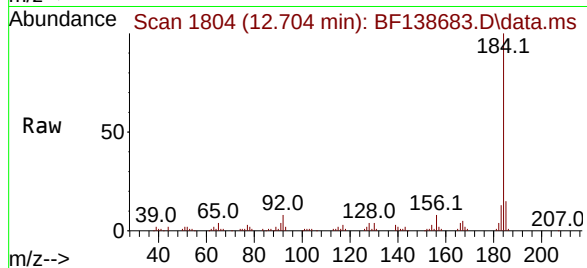
Tgt Ion:184 Resp: 66561

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

183 12.9 9.6 14.4



#78

Pyrene

Concen: 22.728 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

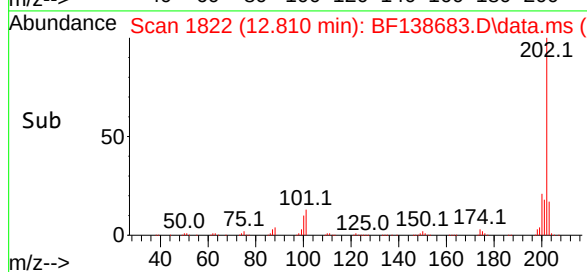
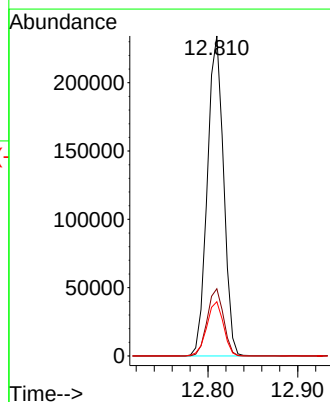
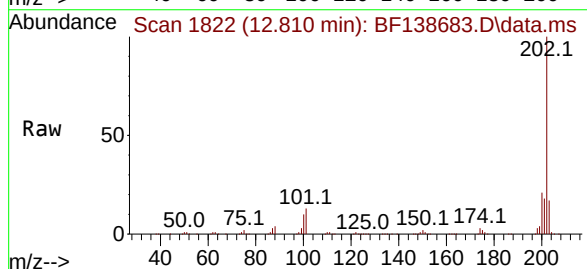
Tgt Ion:202 Resp: 294030

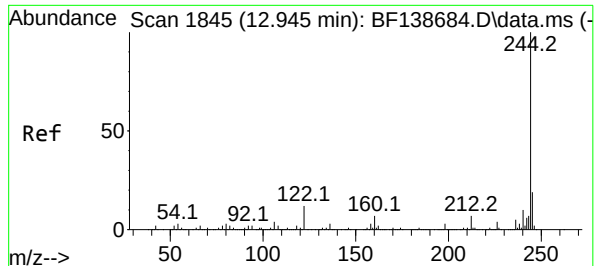
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 45.593 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138683.D

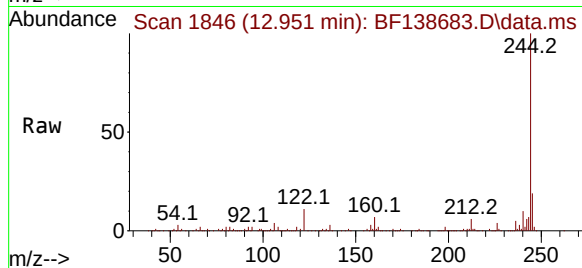
Acq: 30 Jul 2024 14:25

Instrument :

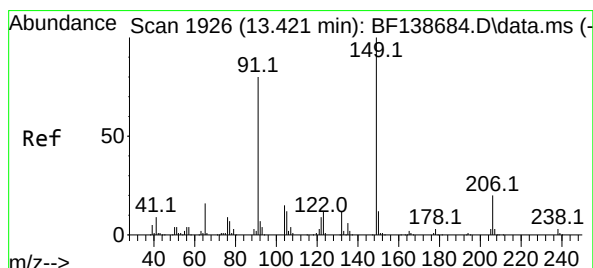
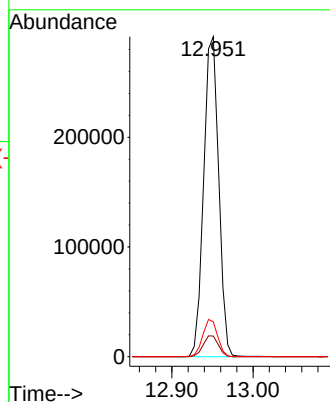
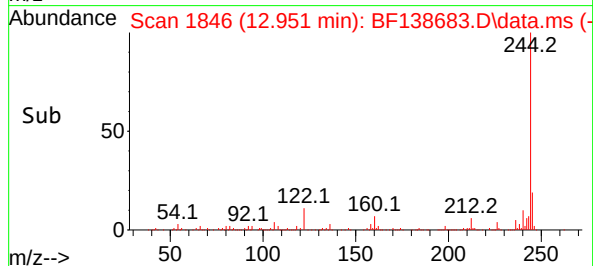
BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:244	Resp:	374162
Ion	Ratio	Lower Upper
244	100	
212	6.5	5.4 8.2
122	10.8	9.6 14.4



#80

Butylbenzylphthalate

Concen: 20.074 ng

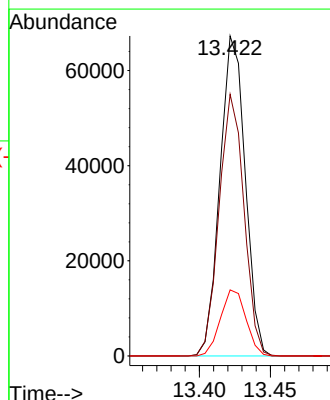
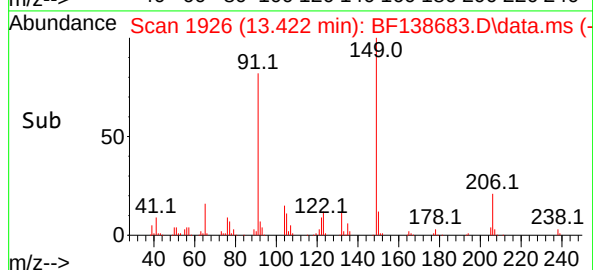
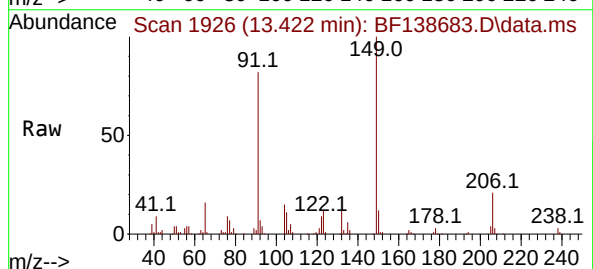
RT: 13.422 min Scan# 1926

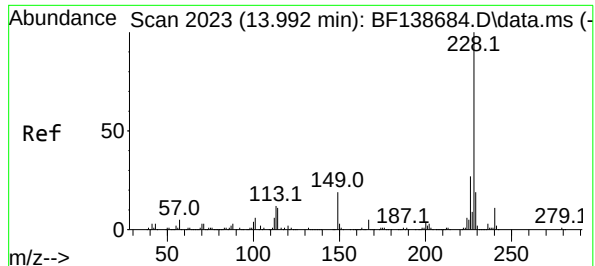
Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Tgt Ion:149	Resp:	83162
Ion	Ratio	Lower Upper
149	100	
91	81.8	63.7 95.5
206	20.7	16.2 24.2

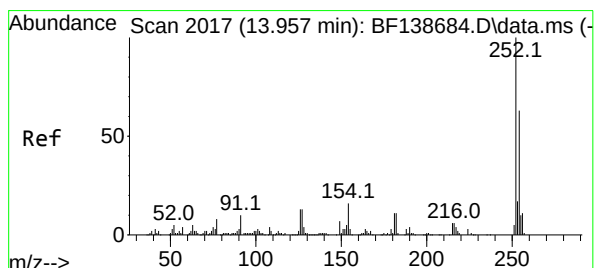
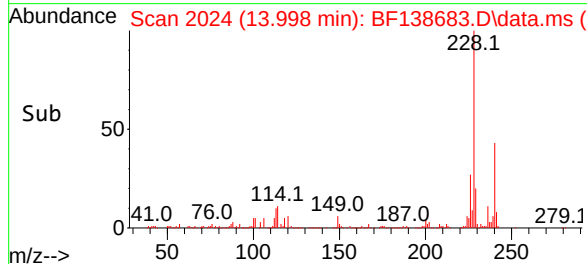
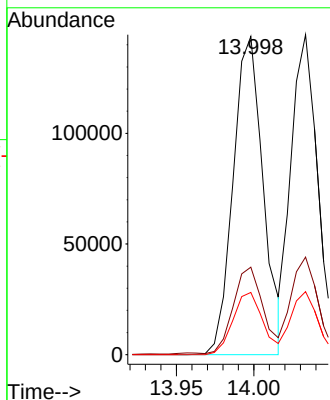
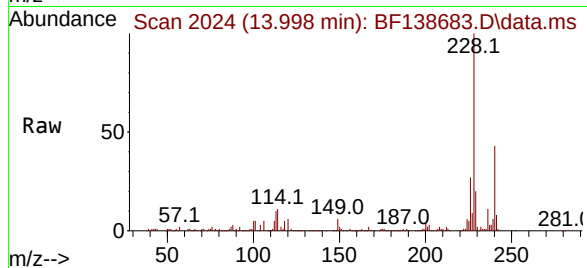




#81
Benzo(a)anthracene
Concen: 20.469 ng
RT: 13.998 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

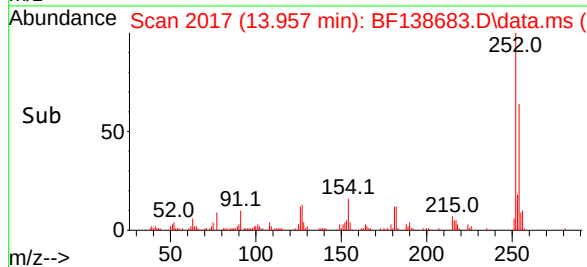
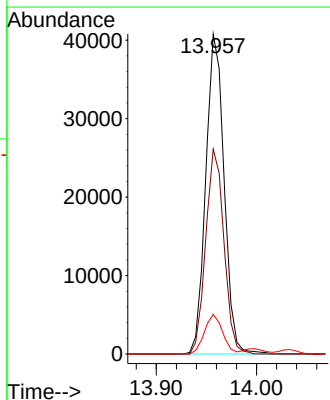
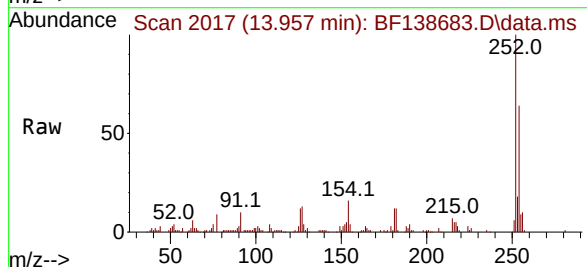
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

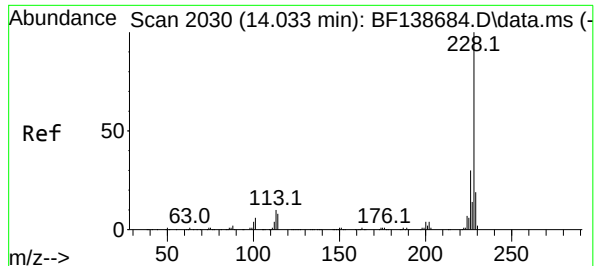
Tgt Ion:228 Resp: 193671
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 19.5 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 21.412 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:252 Resp: 51844
Ion Ratio Lower Upper
252 100
254 64.0 50.8 76.2
126 12.4 10.2 15.2

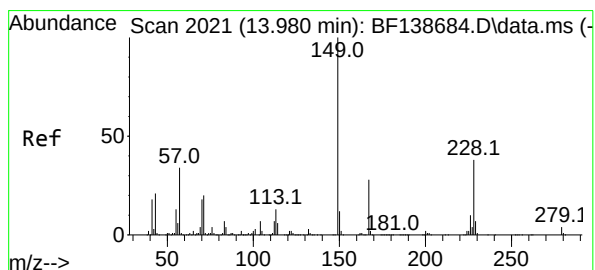
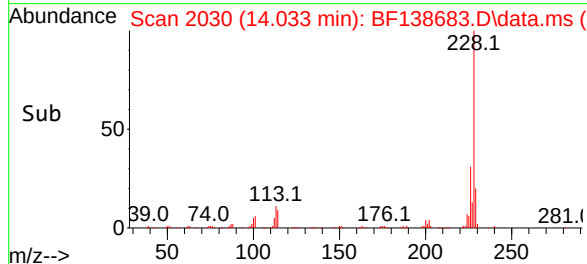
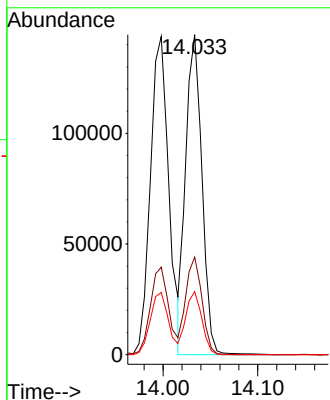
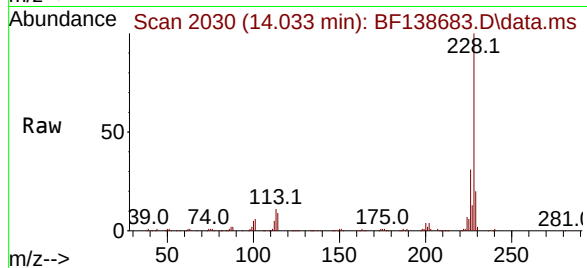




#83
Chrysene
Concen: 20.285 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

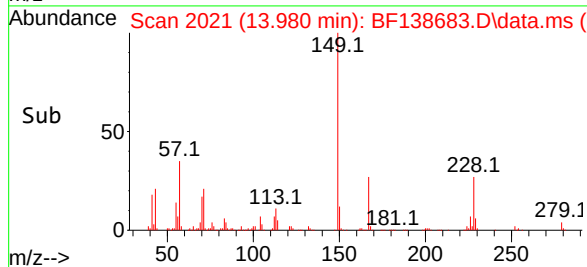
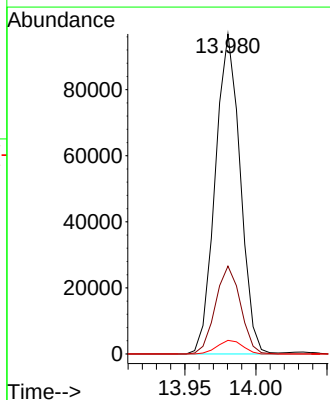
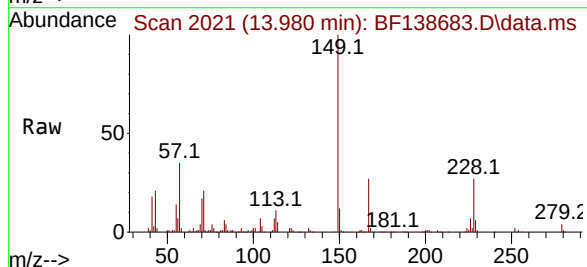
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

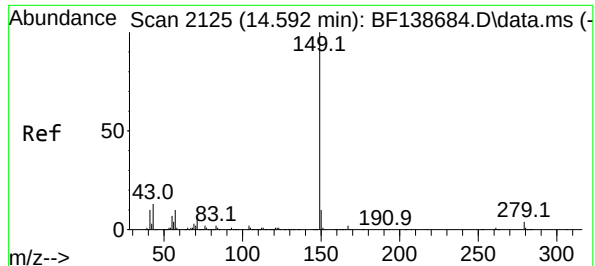
Tgt Ion:228 Resp: 173160
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 19.7 15.0 22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 19.500 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 118293
Ion Ratio Lower Upper
149 100
167 27.5 22.2 33.4
279 4.3 3.4 5.0

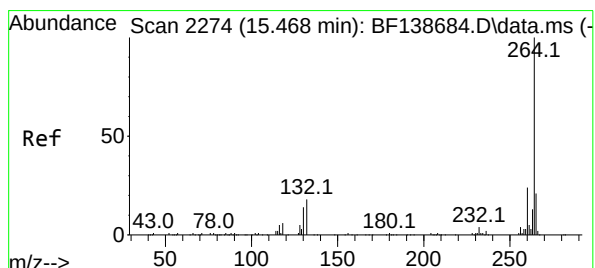
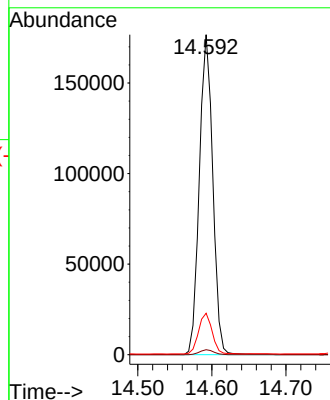
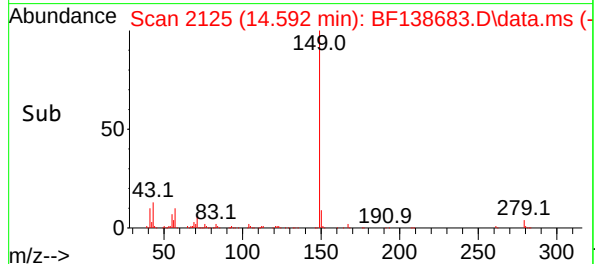
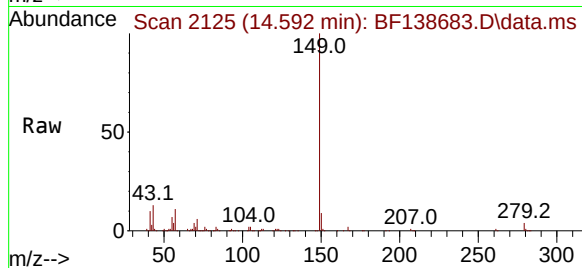




#85
Di-n-octyl phthalate
Concen: 19.758 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

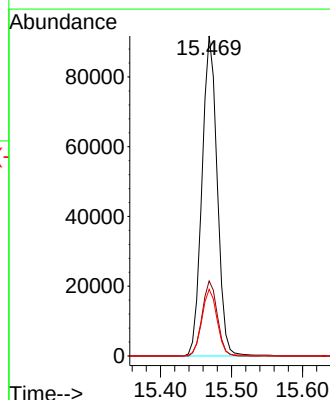
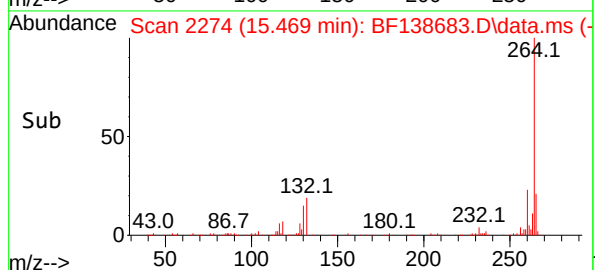
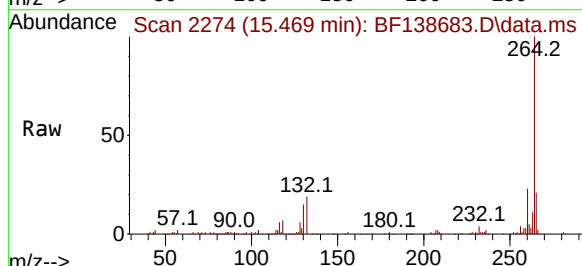
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

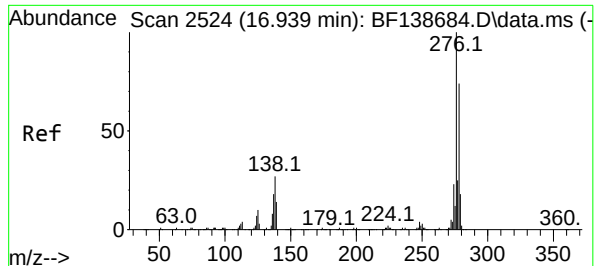
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.9	10.4	15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	20.8	17.0	25.6

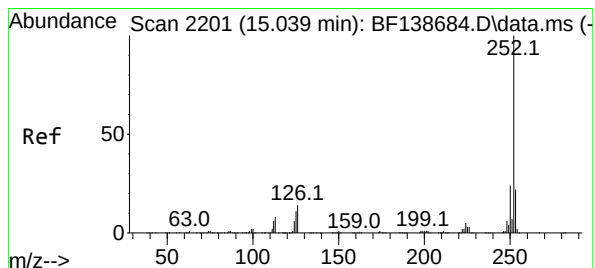
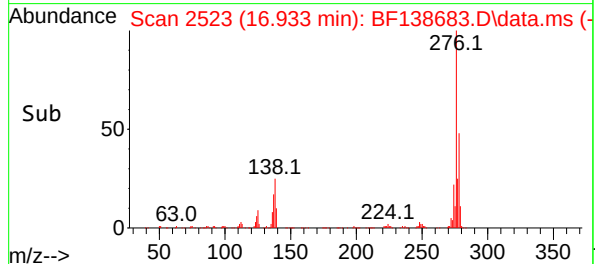
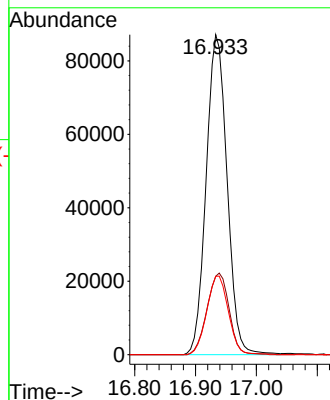
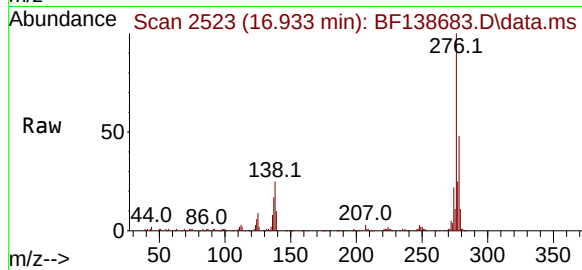




#87
Indeno(1,2,3-cd)pyrene
Concen: 21.168 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

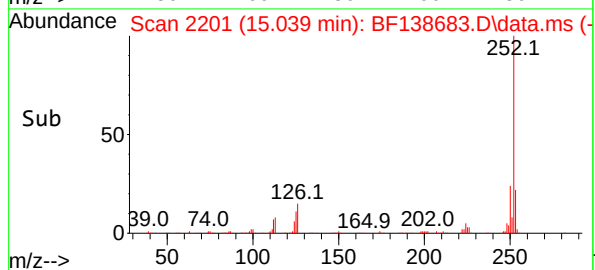
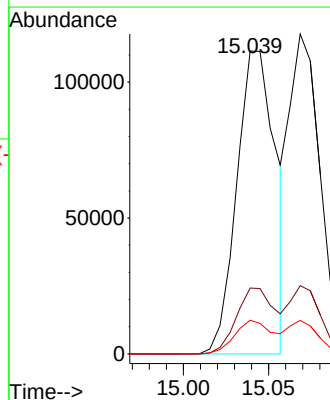
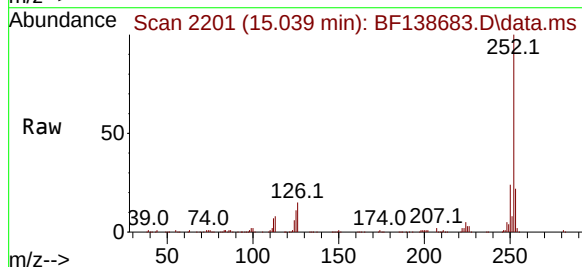
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

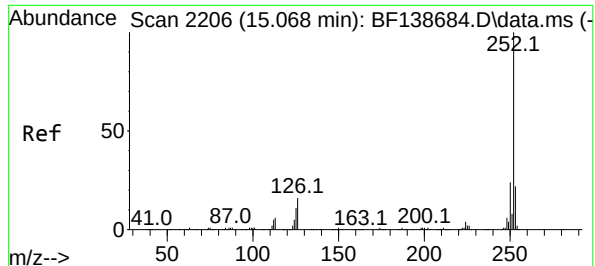
Tgt Ion:276 Resp: 207968
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.8
277 25.4 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 20.755 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:252 Resp: 176387
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 20.460 ng

RT: 15.069 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

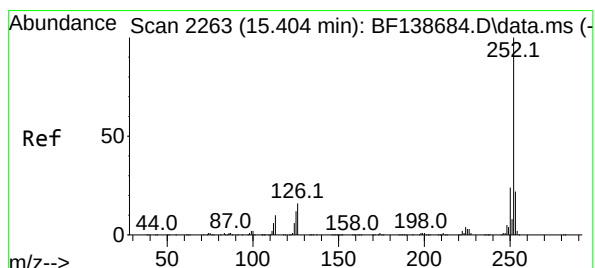
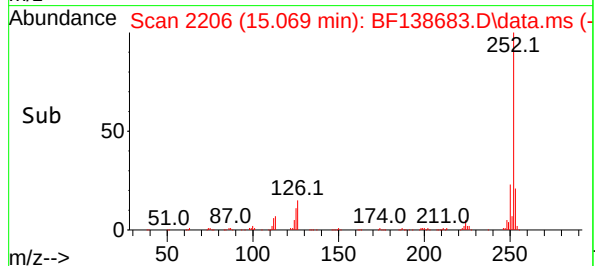
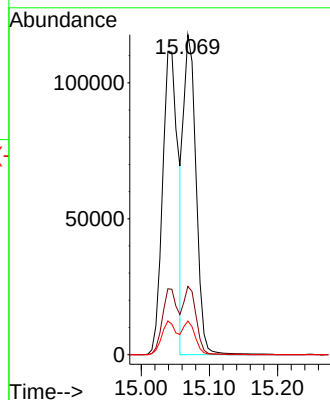
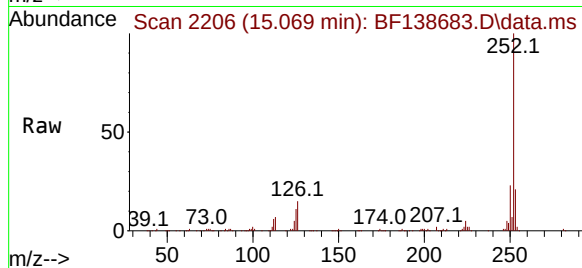
Tgt Ion:252 Resp: 150547

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.0

125 10.5 8.6 13.0



#90

Benzo(a)pyrene

Concen: 20.531 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

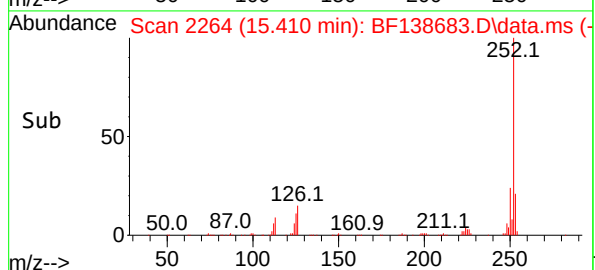
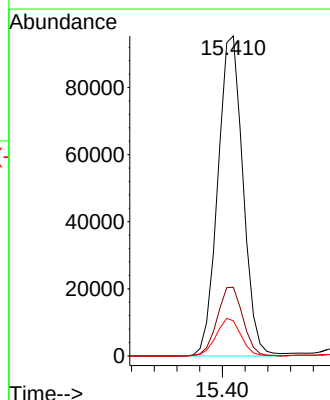
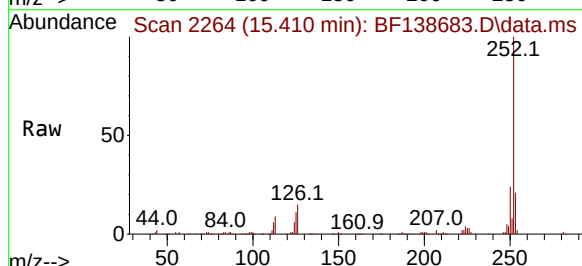
Tgt Ion:252 Resp: 146767

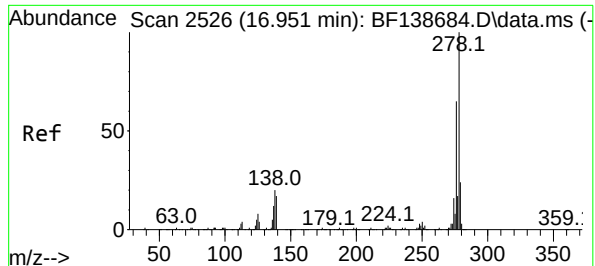
Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

125 11.0 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 21.296 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

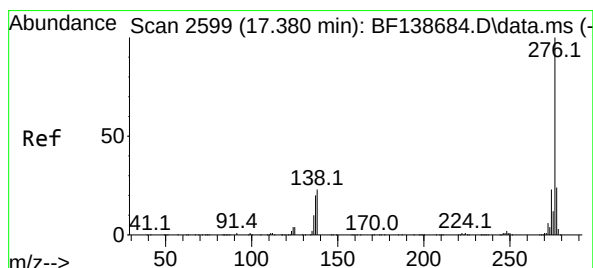
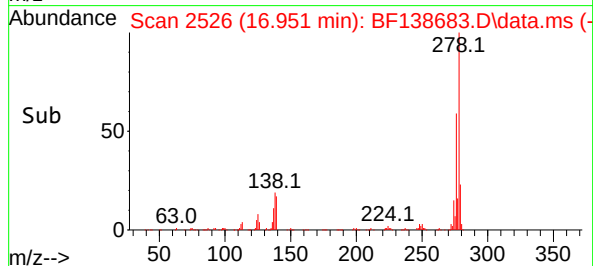
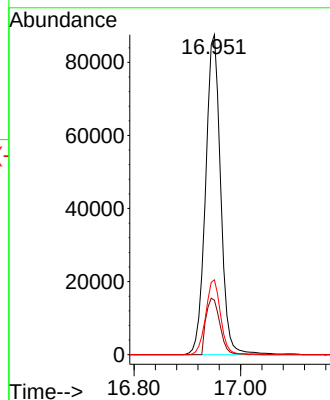
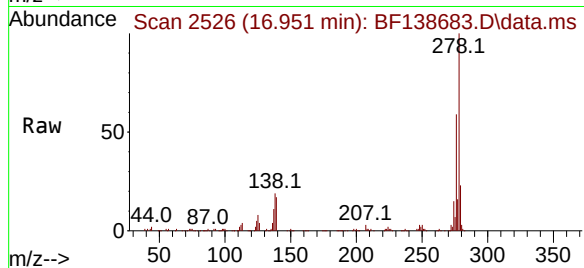
Tgt Ion:278 Resp: 171745

Ion Ratio Lower Upper

278 100

139 17.0 14.0 21.0

279 23.4 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 21.110 ng

RT: 17.374 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

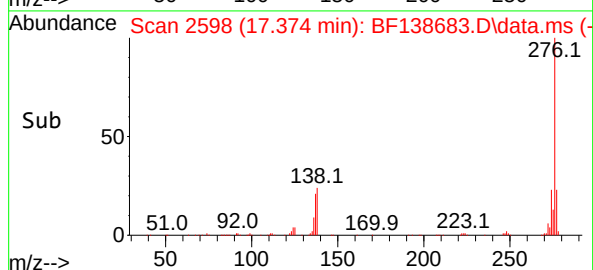
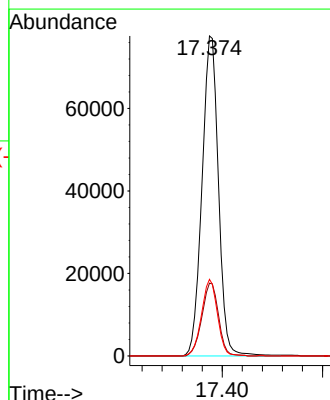
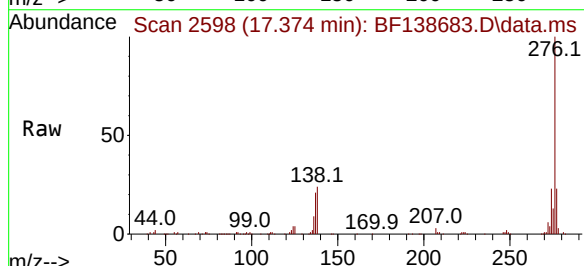
Tgt Ion:276 Resp: 176662

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.4

138 24.0 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138684.D
 Acq On : 30 Jul 2024 14:56
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jul 30 17:44:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	72528	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	281315	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	146962	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	227513	20.000	ng	0.00
76) Chrysene-d12	14.004	240	125928	20.000	ng	0.00
86) Perylene-d12	15.468	264	151531	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	369590	78.662	ng	0.00
7) Phenol-d6	6.487	99	487812	77.330	ng	0.00
23) Nitrobenzene-d5	7.410	82	457661	79.539	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	93462	77.638	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	767623	78.480	ng	0.00
79) Terphenyl-d14	12.945	244	556920	74.045	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.575	88	83483	40.585	ng	100
3) Pyridine	3.334	79	200383	40.213	ng	100
4) n-Nitrosodimethylamine	3.287	42	118122	39.802	ng	100
6) Aniline	6.510	93	222231	39.503	ng	100
8) 2-Chlorophenol	6.634	128	192242	38.889	ng	100
9) Benzaldehyde	6.398	77	131168	34.687	ng	100
10) Phenol	6.498	94	257462	38.764	ng	100
11) bis(2-Chloroethyl)ether	6.587	93	197702	38.681	ng	100
12) 1,3-Dichlorobenzene	6.787	146	213925	38.660	ng	100
13) 1,4-Dichlorobenzene	6.863	146	217011	38.861	ng	100
14) 1,2-Dichlorobenzene	7.016	146	204280	39.143	ng	100
15) Benzyl Alcohol	6.992	79	176734	38.872	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.122	45	340905	38.757	ng	100
17) 2-Methylphenol	7.104	107	160028	39.204	ng	100
18) Hexachloroethane	7.357	117	82349	39.176	ng	100
19) n-Nitroso-di-n-propyla...	7.257	70	143913	37.772	ng	100
20) 3+4-Methylphenols	7.257	107	198296	37.862	ng	100
22) Acetophenone	7.257	105	271238	39.378	ng	100
24) Nitrobenzene	7.428	77	234435	40.040	ng	100
25) Isophorone	7.669	82	382875	38.969	ng	100
26) 2-Nitrophenol	7.745	139	103255	40.990	ng	100
27) 2,4-Dimethylphenol	7.781	122	120225	39.890	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	235424	39.348	ng	100
29) 2,4-Dichlorophenol	7.992	162	155028	40.030	ng	100
30) 1,2,4-Trichlorobenzene	8.069	180	178035	39.835	ng	100
31) Naphthalene	8.151	128	587199	39.655	ng	100
32) Benzoic acid	7.904	122	93278	39.389	ng	100
33) 4-Chloroaniline	8.204	127	194499	39.130	ng	100
34) Hexachlorobutadiene	8.263	225	106863	39.476	ng	100
35) Caprolactam	8.569	113	43894	37.984	ng	100
36) 4-Chloro-3-methylphenol	8.681	107	172540	38.983	ng	100
37) 2-Methylnaphthalene	8.839	142	364899	39.019	ng	100
38) 1-Methylnaphthalene	8.939	142	357806	39.045	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	161777	39.628	ng	100
41) Hexachlorocyclopentadiene	8.986	237	37306	38.484	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	98841	39.709	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138684.D
 Acq On : 30 Jul 2024 14:56
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

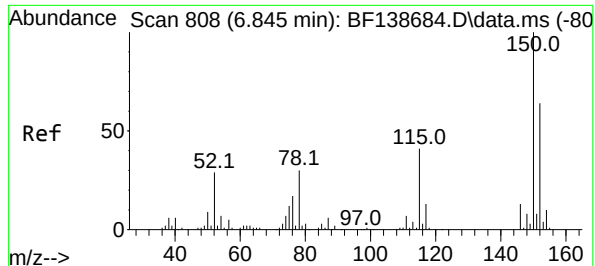
Quant Time: Jul 30 17:44:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	108268	39.788	ng	100
46) 1,1'-Biphenyl	9.304	154	452377	39.303	ng	100
47) 2-Chloronaphthalene	9.328	162	338303	39.520	ng	100
48) 2-Nitroaniline	9.428	65	114390	39.417	ng	100
49) Acenaphthylene	9.745	152	481180	39.633	ng	100
50) Dimethylphthalate	9.604	163	361332	38.452	ng	100
51) 2,6-Dinitrotoluene	9.669	165	84654	39.918	ng	100
52) Acenaphthene	9.916	154	318001	38.964	ng	100
53) 3-Nitroaniline	9.839	138	84697	38.633	ng	100
54) 2,4-Dinitrophenol	9.951	184	37379	38.289	ng	100
55) Dibenzofuran	10.086	168	445244	38.648	ng	100
56) 4-Nitrophenol	10.004	139	51459	39.032	ng	100
57) 2,4-Dinitrotoluene	10.069	165	106444	39.341	ng	100
58) Fluorene	10.428	166	354441	38.634	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	80452	38.673	ng	100
60) Diethylphthalate	10.298	149	339596	38.114	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	173020	38.346	ng	100
62) 4-Nitroaniline	10.451	138	79919	38.360	ng	100
63) Azobenzene	10.580	77	382056	38.662	ng	100
65) 4,6-Dinitro-2-methylph...	10.480	198	56704	40.852	ng	100
66) n-Nitrosodiphenylamine	10.539	169	287289	40.397	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	98606	40.031	ng	100
68) Hexachlorobenzene	10.975	284	100089	39.354	ng	100
69) Atrazine	11.063	200	73933	40.295	ng	100
70) Pentachlorophenol	11.175	266	46467	40.533	ng	100
71) Phenanthrene	11.392	178	464600	39.658	ng	100
72) Anthracene	11.445	178	456164	39.526	ng	100
73) Carbazole	11.598	167	395675	39.739	ng	100
74) Di-n-butylphthalate	11.922	149	451011	40.293	ng	100
75) Fluoranthene	12.580	202	439041	40.144	ng	100
77) Benzidine	12.704	184	134710	44.725	ng	100
78) Pyrene	12.810	202	440674	37.167	ng	100
80) Butylbenzylphthalate	13.421	149	158088	41.637	ng	100
81) Benzo(a)anthracene	13.992	228	351448	40.528	ng	100
82) 3,3'-Dichlorobenzidine	13.957	252	90595	40.825	ng	100
83) Chrysene	14.033	228	307799	39.343	ng	100
84) Bis(2-ethylhexyl)phtha...	13.980	149	238798	42.951	ng	100
85) Di-n-octyl phthalate	14.592	149	439133	42.690	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	422742	38.929	ng	100
88) Benzo(b)fluoranthene	15.039	252	372478	39.653	ng	100
89) Benzo(k)fluoranthene	15.068	252	303576	37.326	ng	100
90) Benzo(a)pyrene	15.404	252	309949	39.228	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	343548	38.540	ng	100
92) Benzo(g,h,i)perylene	17.380	276	363283	39.273	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

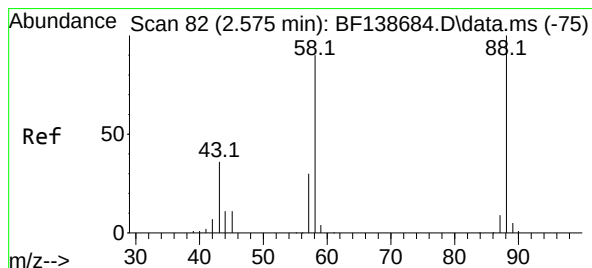
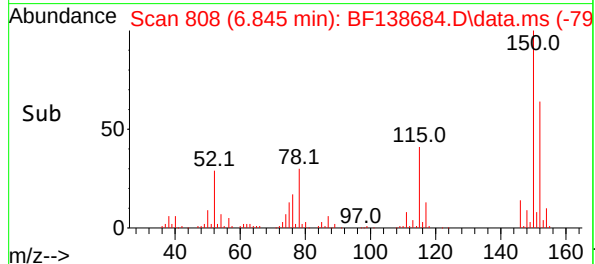
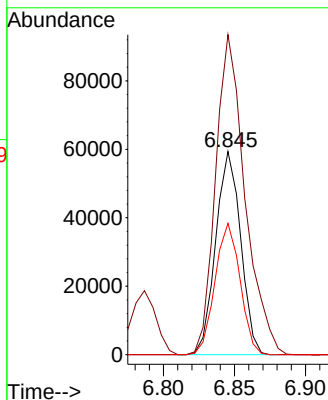
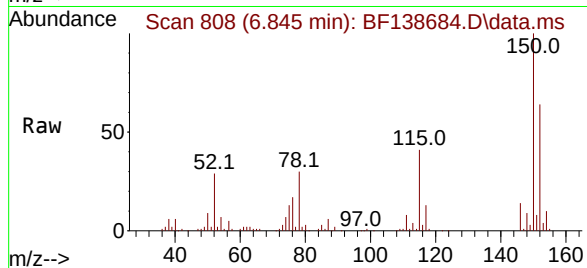
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

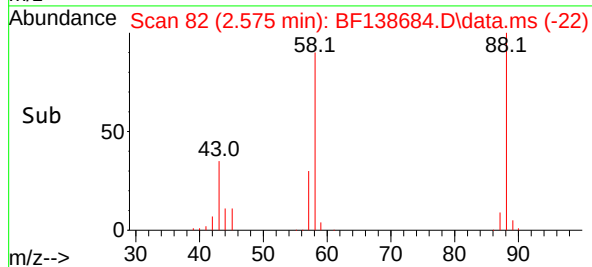
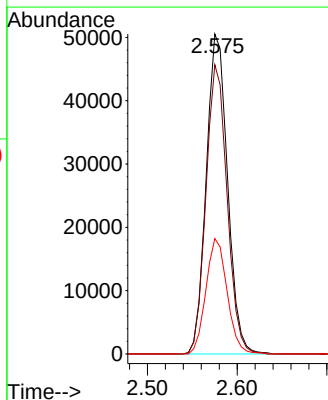
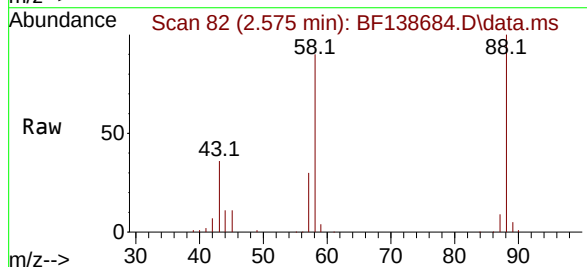
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

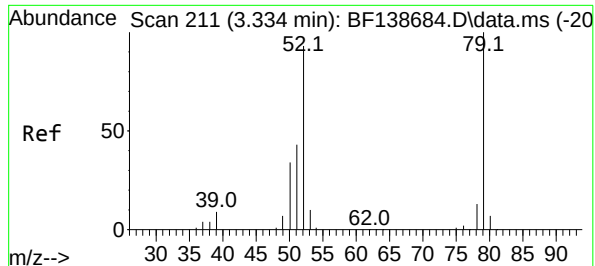
Tgt Ion:152 Resp: 72528
Ion Ratio Lower Upper
152 100
150 157.5 126.0 189.0
115 64.6 51.7 77.5



#2
1,4-Dioxane
Concen: 40.585 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 88 Resp: 83483
Ion Ratio Lower Upper
88 100
58 89.5 71.6 107.4
43 35.9 28.7 43.1





#3

Pyridine

Concen: 40.213 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

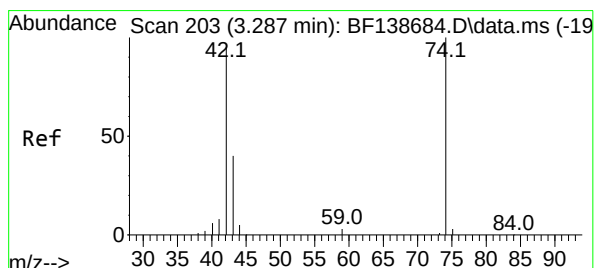
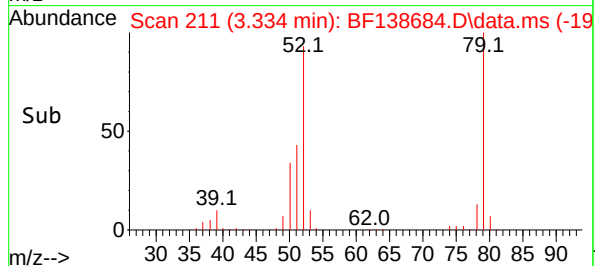
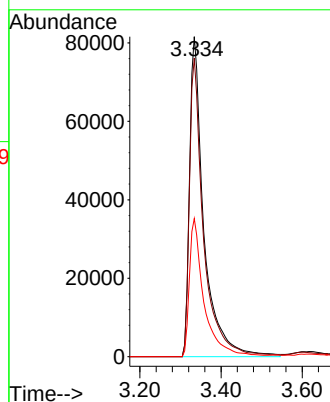
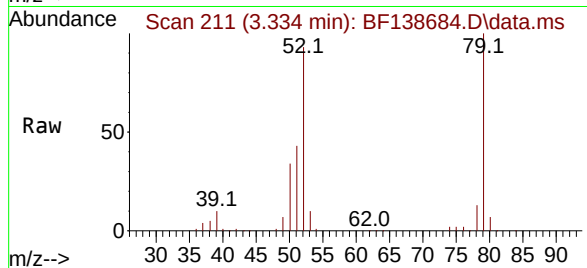
Tgt Ion: 79 Resp: 200383

Ion Ratio Lower Upper

79 100

52 93.4 74.7 112.1

51 43.2 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 39.802 ng

RT: 3.287 min Scan# 203

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

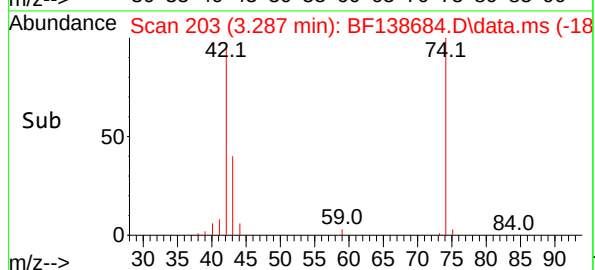
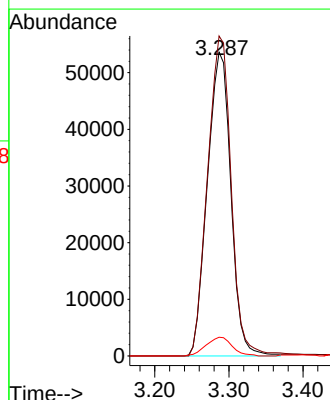
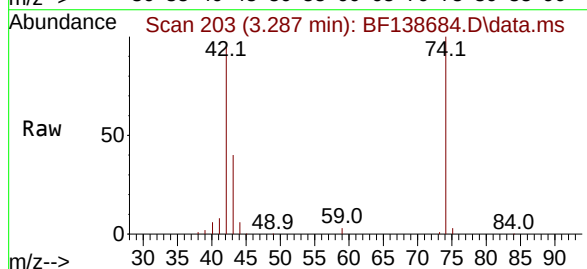
Tgt Ion: 42 Resp: 118122

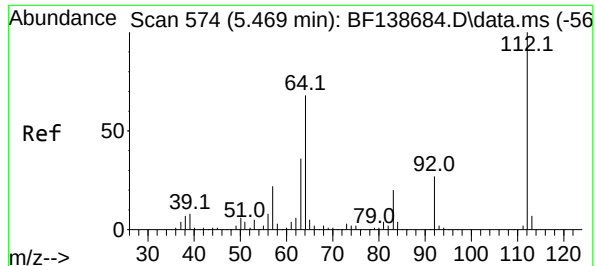
Ion Ratio Lower Upper

42 100

74 105.3 84.2 126.4

44 6.1 4.9 7.3





#5

2-Fluorophenol

Concen: 78.662 ng

RT: 5.469 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

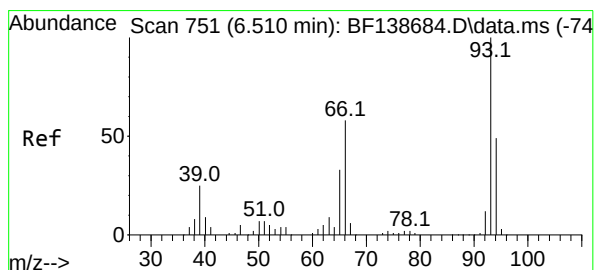
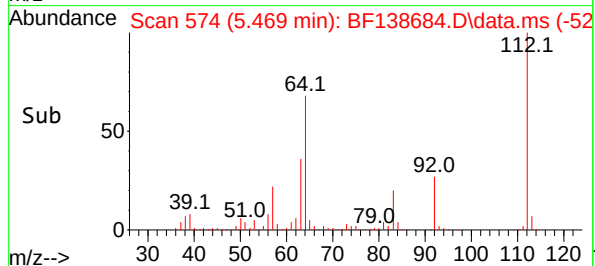
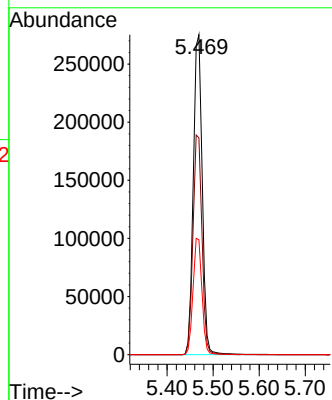
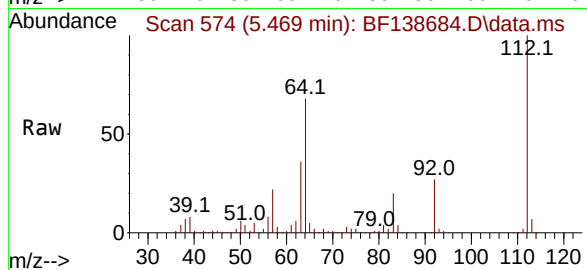
Tgt Ion:112 Resp: 369590

Ion Ratio Lower Upper

112 100

64 67.8 54.2 81.4

63 35.9 28.7 43.1



#6

Aniline

Concen: 39.503 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

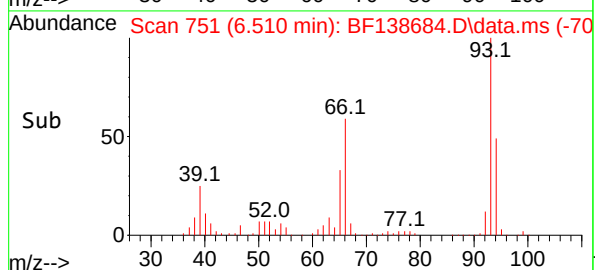
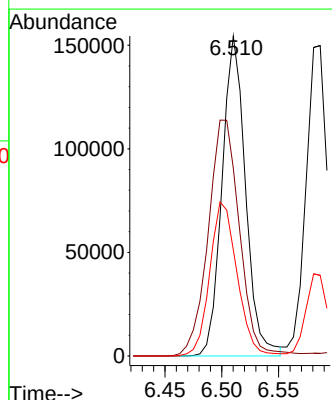
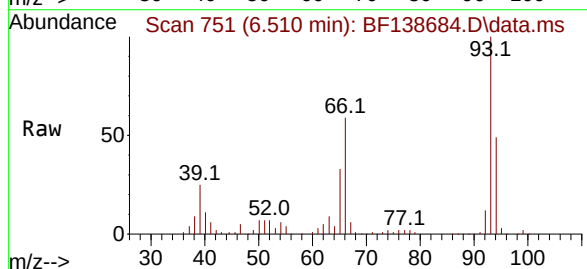
Tgt Ion: 93 Resp: 222231

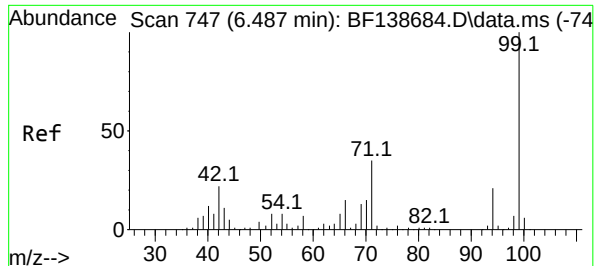
Ion Ratio Lower Upper

93 100

66 58.6 46.9 70.3

65 33.1 26.5 39.7





#7

Phenol-d6

Concen: 77.330 ng

RT: 6.487 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

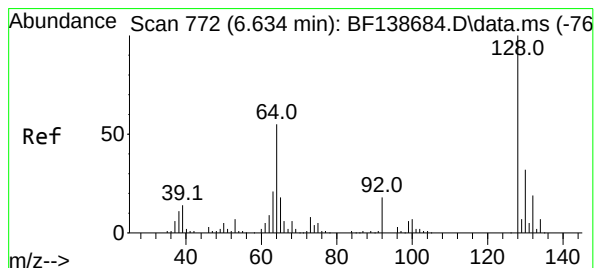
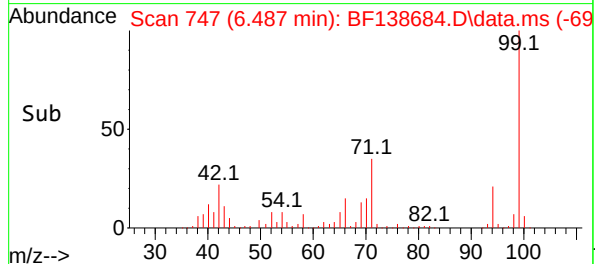
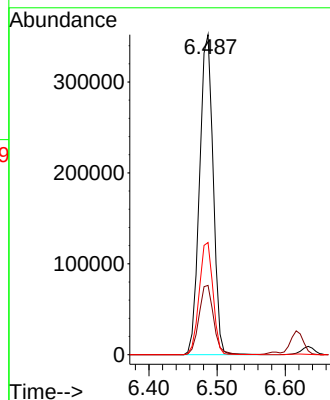
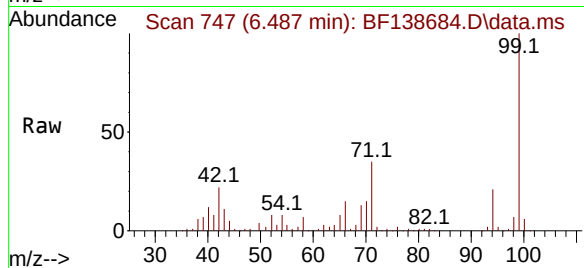
Tgt Ion: 99 Resp: 487812

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.0

71 35.1 28.1 42.1



#8

2-Chlorophenol

Concen: 38.889 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

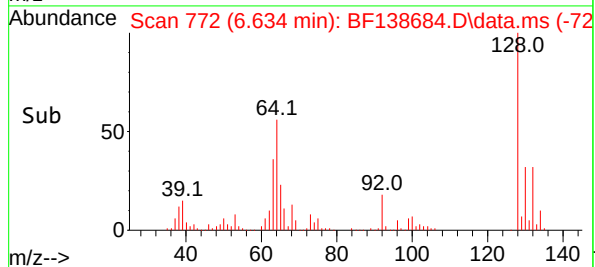
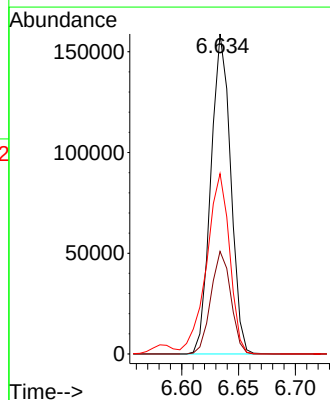
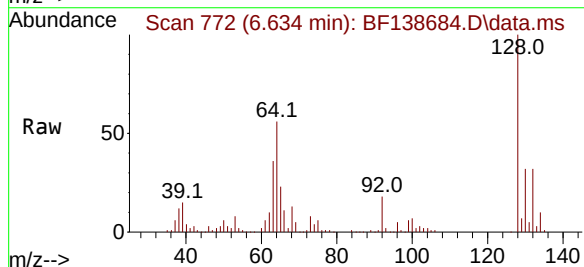
Tgt Ion: 128 Resp: 192242

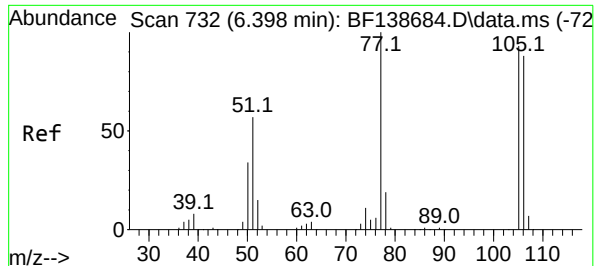
Ion Ratio Lower Upper

128 100

130 32.0 12.0 52.0

64 56.3 36.3 76.3





#9

Benzaldehyde

Concen: 34.687 ng

RT: 6.398 min Scan# 732

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

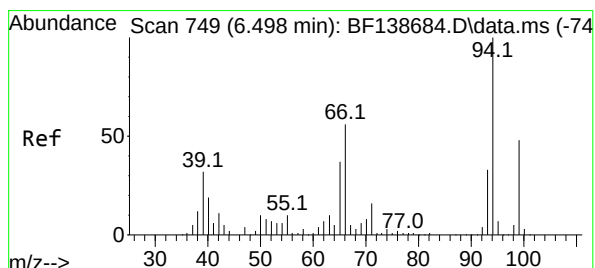
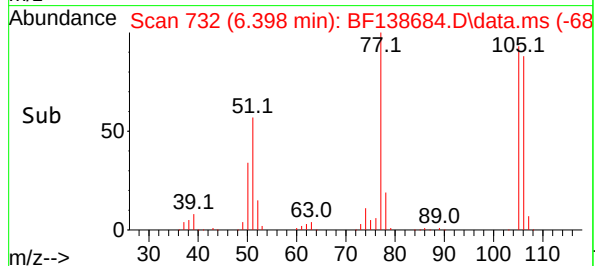
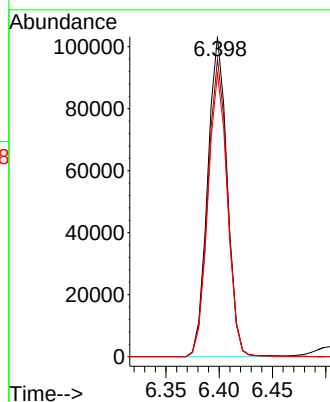
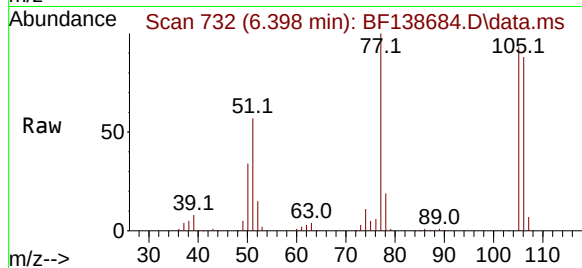
Tgt Ion: 77 Resp: 131168

Ion Ratio Lower Upper

77 100

105 92.9 72.9 112.9

106 88.4 68.4 108.4



#10

Phenol

Concen: 38.764 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

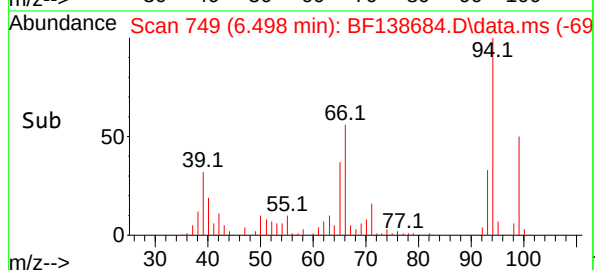
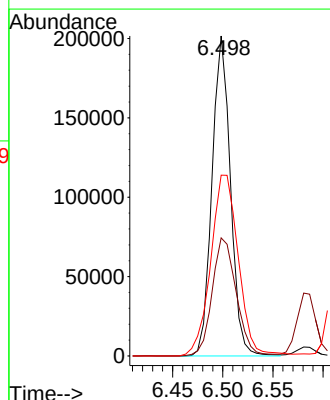
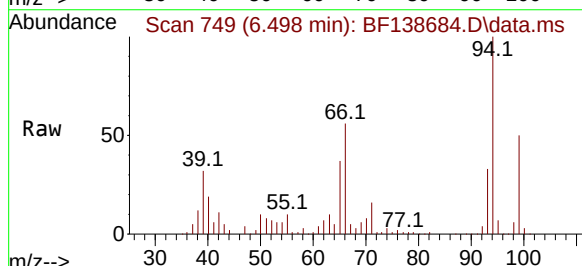
Tgt Ion: 94 Resp: 257462

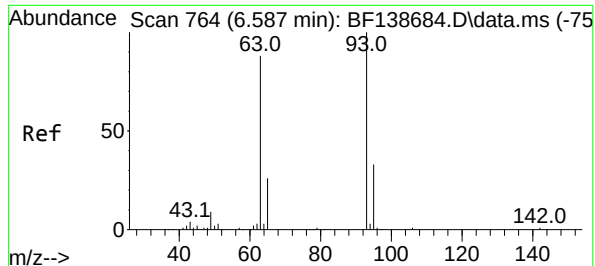
Ion Ratio Lower Upper

94 100

65 36.9 16.9 56.9

66 56.5 36.5 76.5





#11

bis(2-Chloroethyl)ether

Concen: 38.681 ng

RT: 6.587 min Scan# 764

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

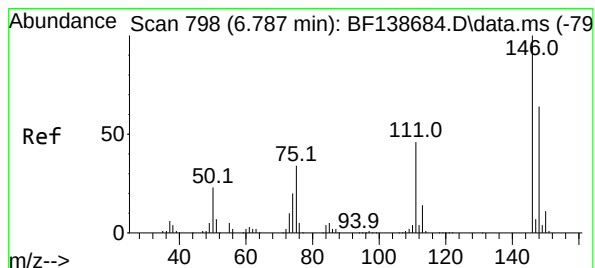
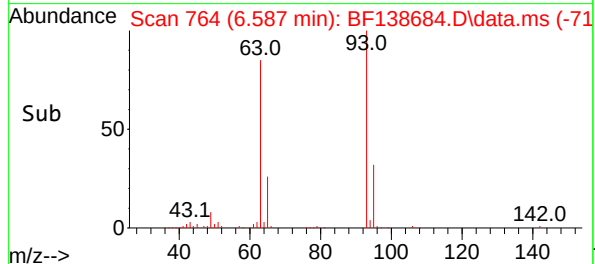
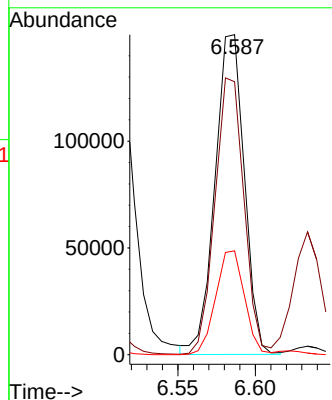
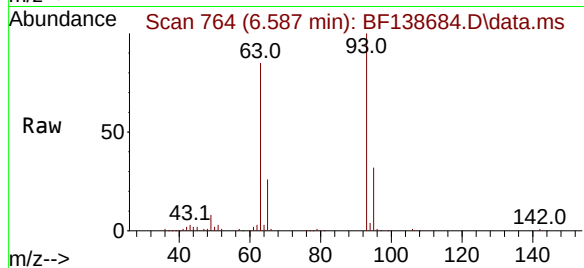
Tgt Ion: 93 Resp: 197702

Ion Ratio Lower Upper

93 100

63 85.3 65.3 105.3

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 38.660 ng

RT: 6.787 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

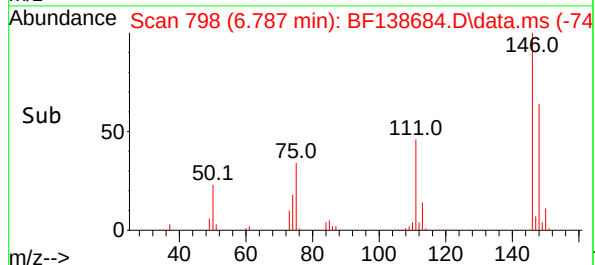
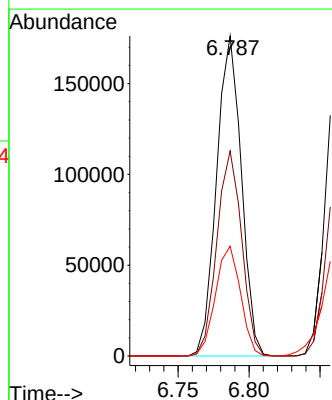
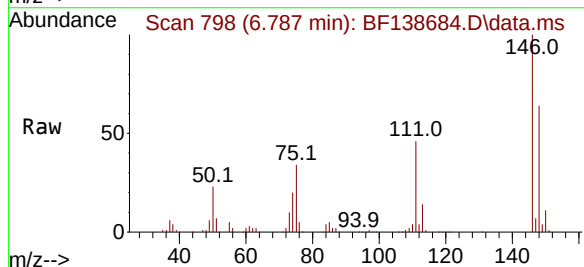
Tgt Ion: 146 Resp: 213925

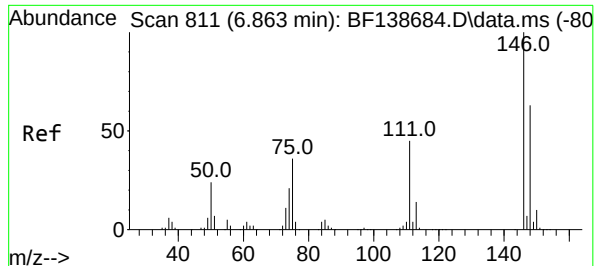
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 34.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 38.861 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

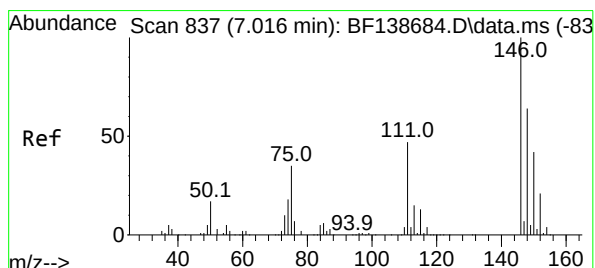
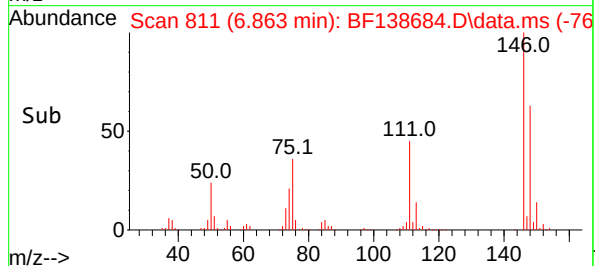
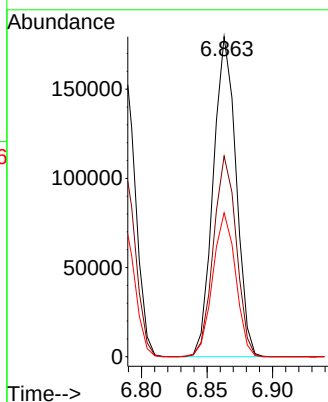
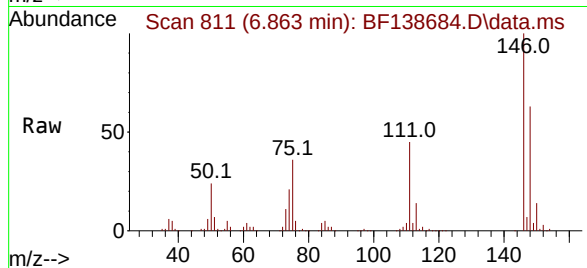
Tgt Ion:146 Resp: 217011

Ion Ratio Lower Upper

146 100

148 62.7 50.2 75.2

111 44.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 39.143 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

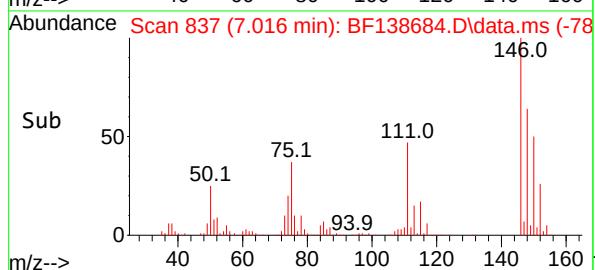
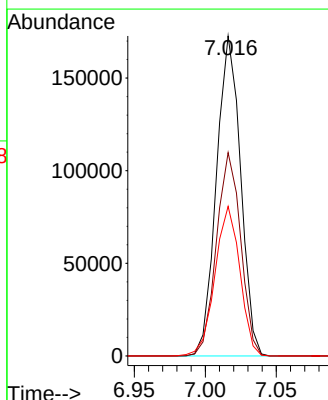
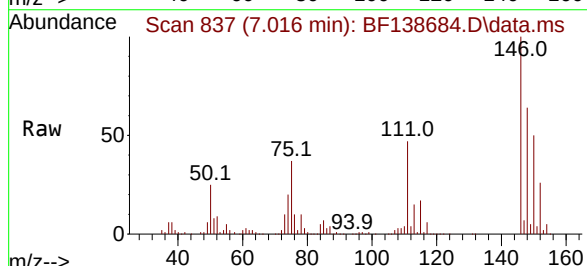
Tgt Ion:146 Resp: 204280

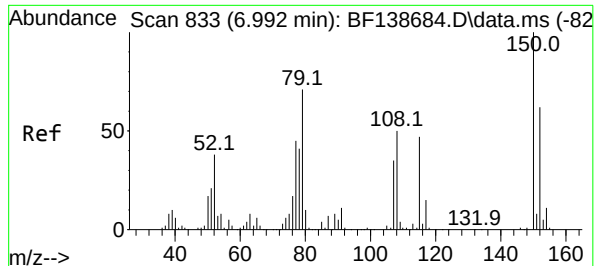
Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

111 46.8 37.4 56.2





#15

Benzyl Alcohol

Concen: 38.872 ng

RT: 6.992 min Scan# 833

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

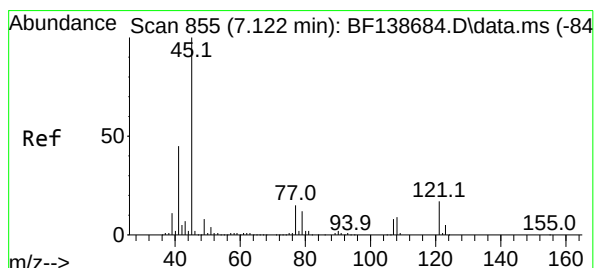
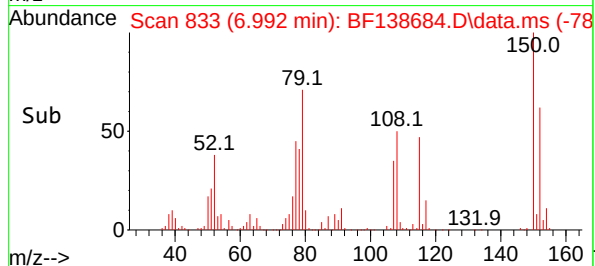
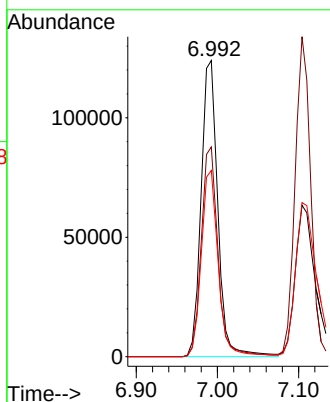
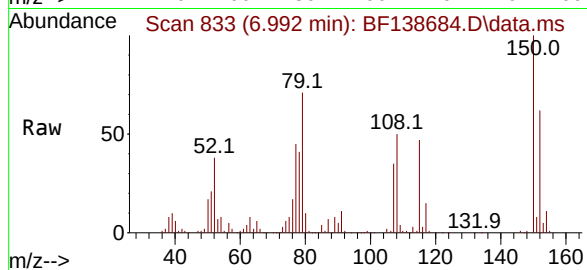
Tgt Ion: 79 Resp: 176734

Ion Ratio Lower Upper

79 100

108 70.8 56.6 85.0

77 62.9 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.757 ng

RT: 7.122 min Scan# 855

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

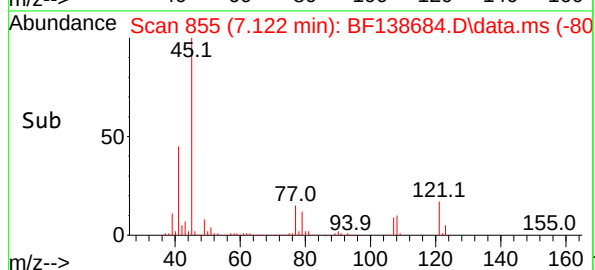
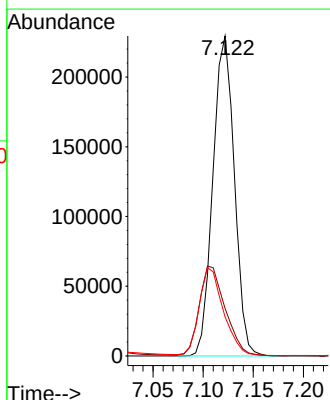
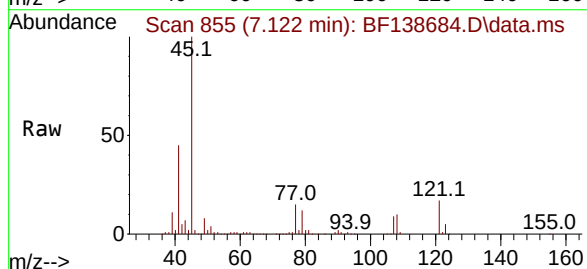
Tgt Ion: 45 Resp: 340905

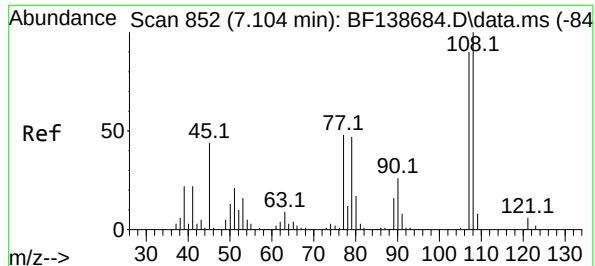
Ion Ratio Lower Upper

45 100

77 14.9 0.0 34.9

79 12.2 0.0 32.2

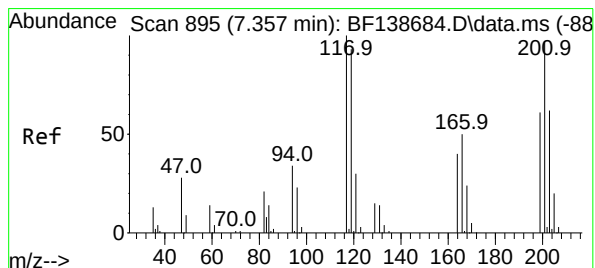
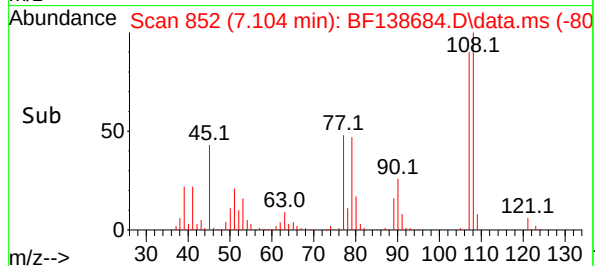
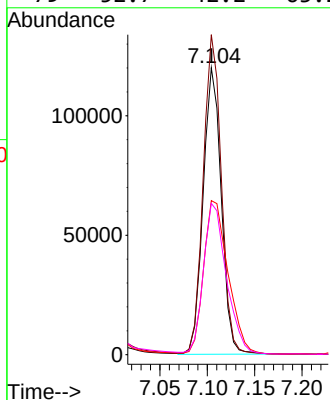
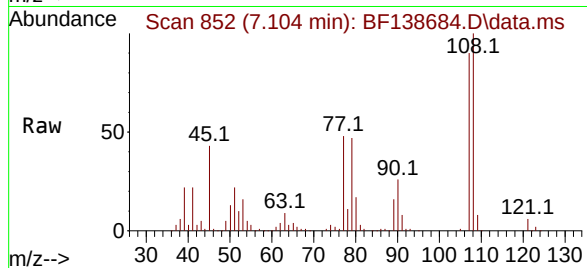




#17
2-Methylphenol
Concen: 39.204 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

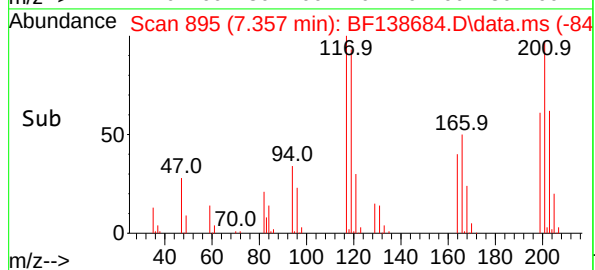
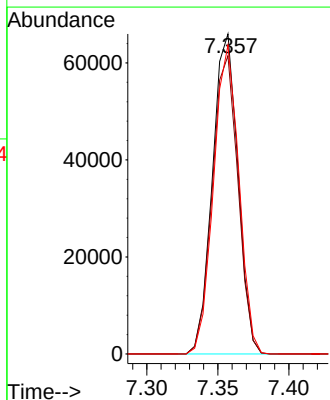
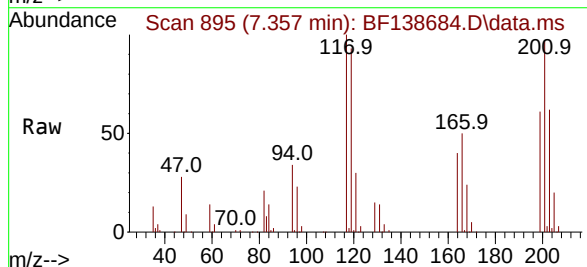
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

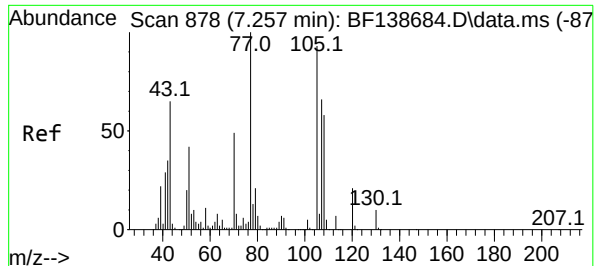
Tgt Ion:107 Resp: 160028
Ion Ratio Lower Upper
107 100
108 111.5 89.2 133.8
77 53.7 43.0 64.4
79 52.7 42.2 63.2



#18
Hexachloroethane
Concen: 39.176 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:117 Resp: 82349
Ion Ratio Lower Upper
117 100
119 93.2 74.6 111.8
201 96.5 77.2 115.8

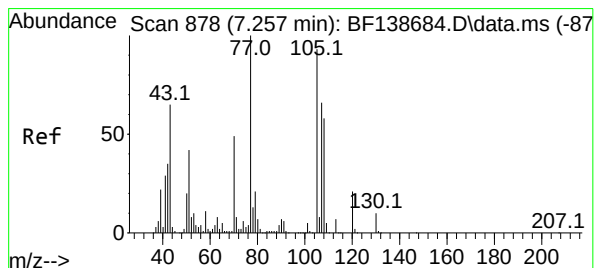
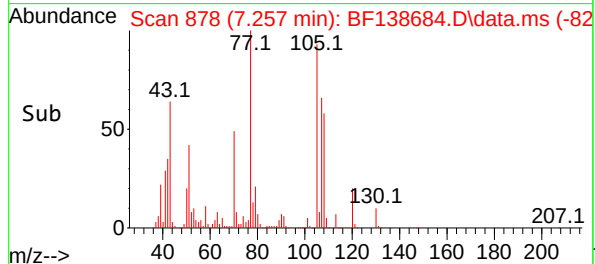
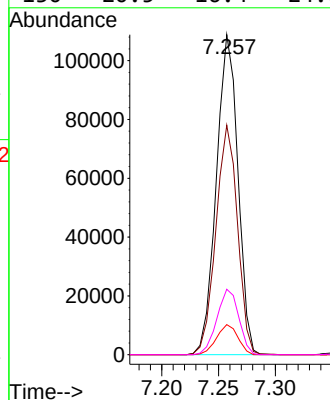
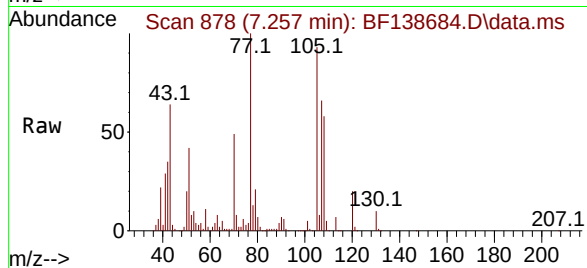




#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

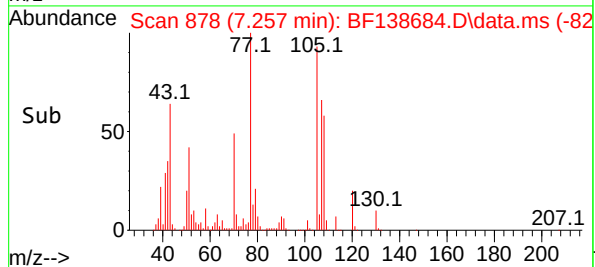
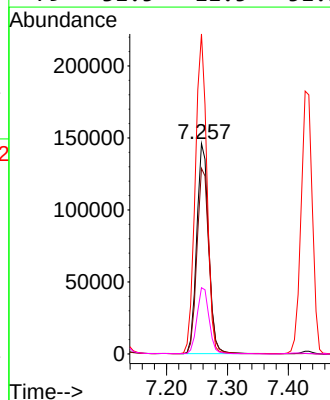
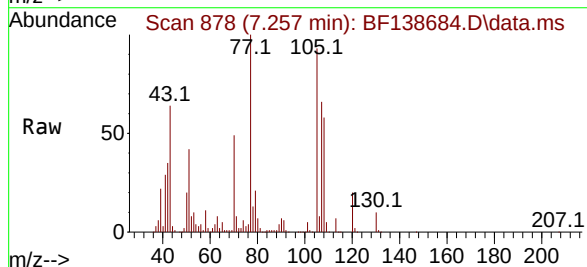
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

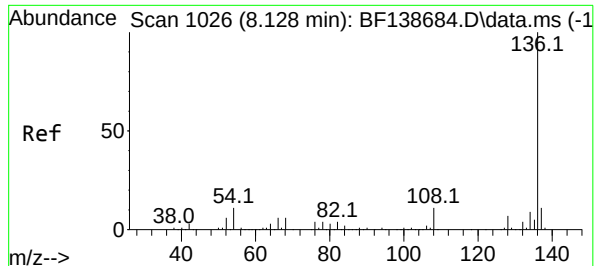
Tgt Ion: 70 Resp: 143913
Ion Ratio Lower Upper
70 100
42 71.7 57.4 86.0
101 9.4 7.5 11.3
130 20.5 16.4 24.6



#20
3+4-Methylphenols
Concen: 37.862 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 107 Resp: 198296
Ion Ratio Lower Upper
107 100
108 88.2 68.2 108.2
77 152.1 132.1 172.1
79 31.5 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138684.D

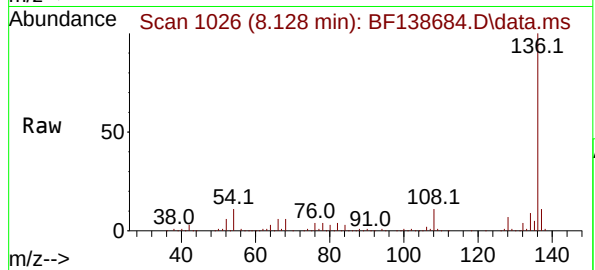
Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:136 Resp: 281315

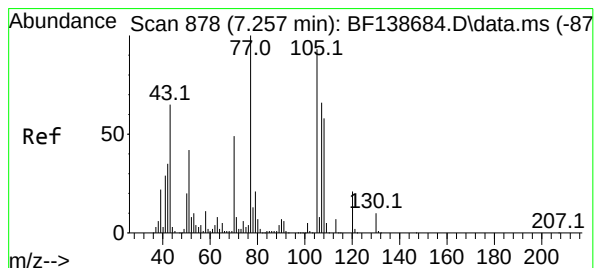
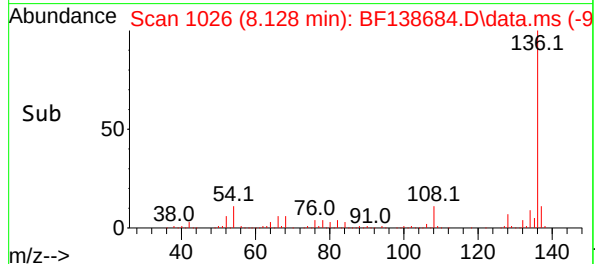
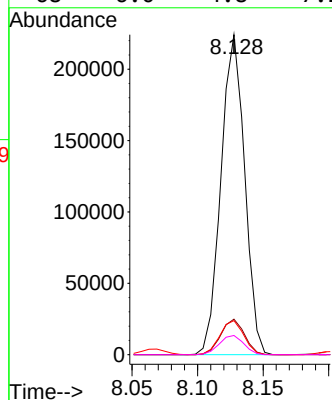
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.7 8.6 12.8

68 6.0 4.8 7.2



#22

Acetophenone

Concen: 39.378 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Tgt Ion:105 Resp: 271238

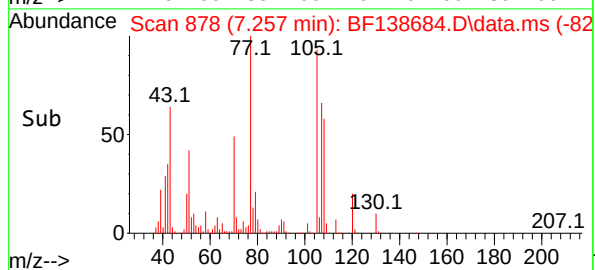
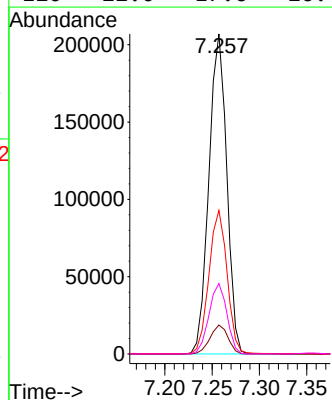
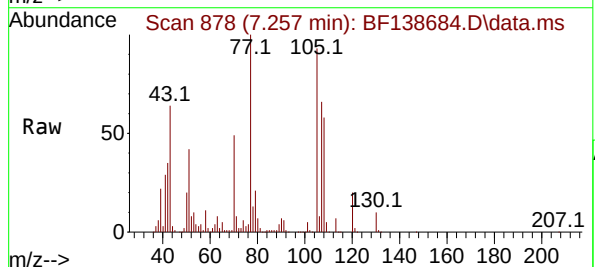
Ion Ratio Lower Upper

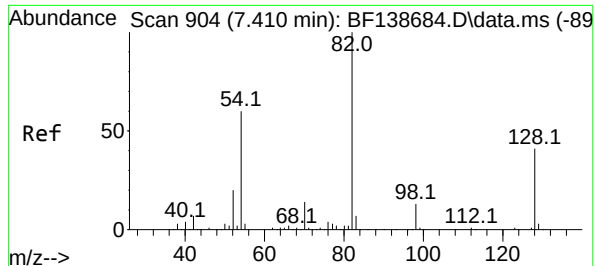
105 100

71 9.0 7.2 10.8

51 44.9 35.9 53.9

120 22.0 17.6 26.4





#23

Nitrobenzene-d5

Concen: 79.539 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

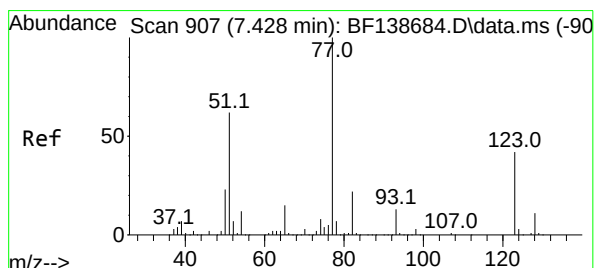
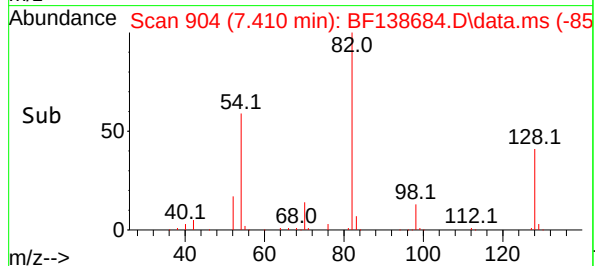
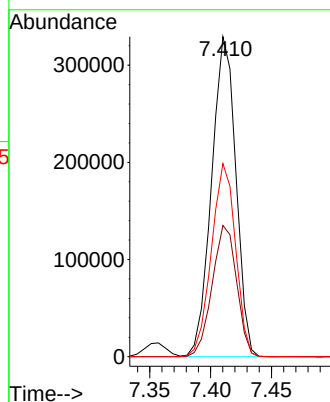
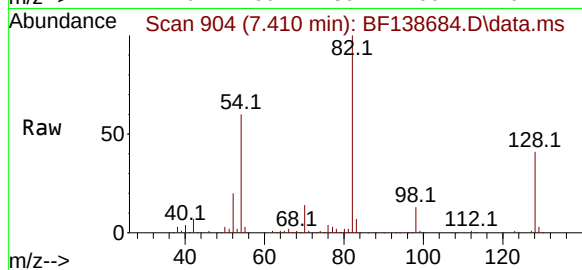
Tgt Ion: 82 Resp: 457661

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

54 60.4 48.3 72.5



#24

Nitrobenzene

Concen: 40.040 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

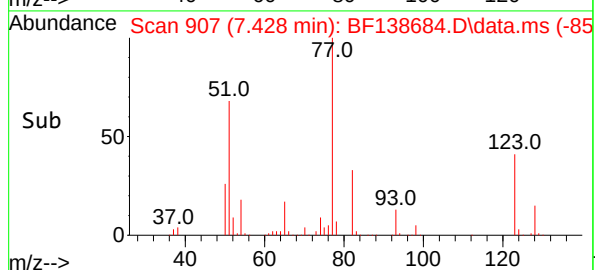
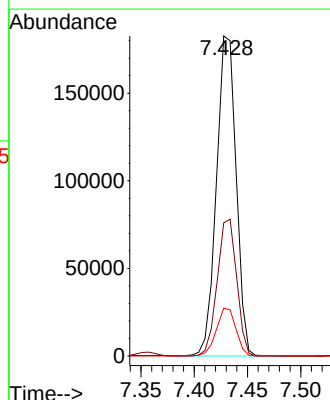
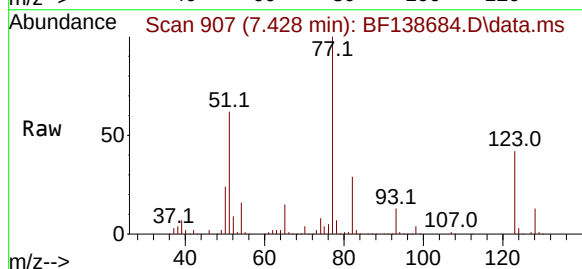
Tgt Ion: 77 Resp: 234435

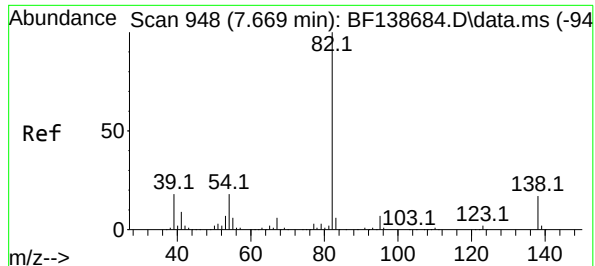
Ion Ratio Lower Upper

77 100

123 41.6 33.3 49.9

65 14.9 11.9 17.9





#25

Isophorone

Concen: 38.969 ng

RT: 7.669 min Scan# 948

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

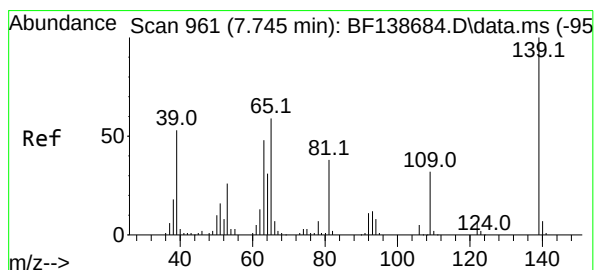
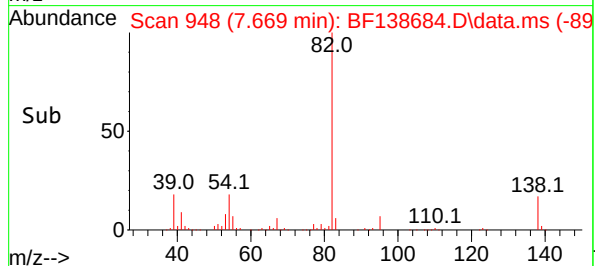
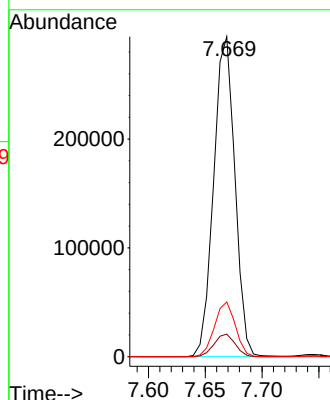
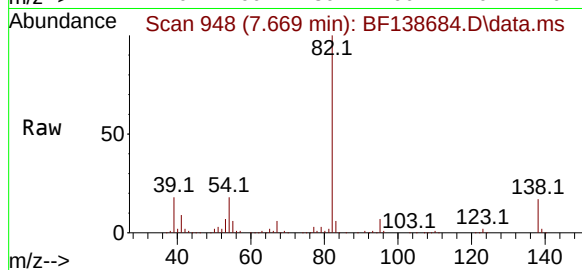
Tgt Ion: 82 Resp: 382875

Ion Ratio Lower Upper

82 100

95 7.1 5.7 8.5

138 17.1 13.7 20.5



#26

2-Nitrophenol

Concen: 40.990 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

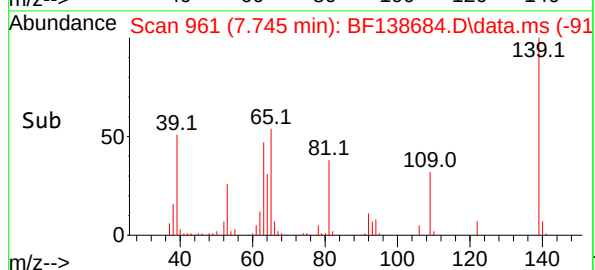
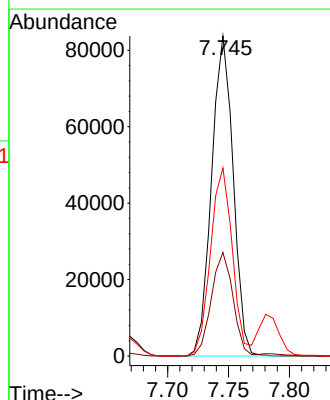
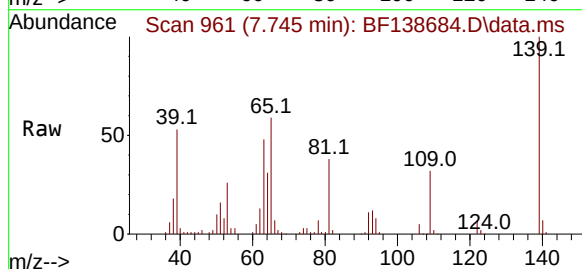
Tgt Ion: 139 Resp: 103255

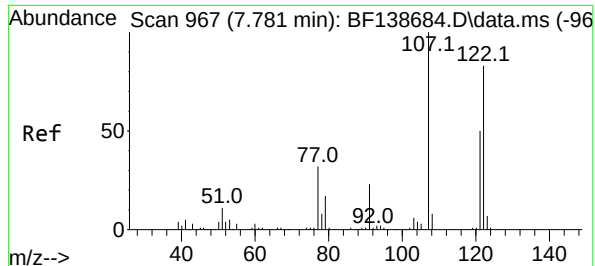
Ion Ratio Lower Upper

139 100

109 32.4 25.9 38.9

65 58.8 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 39.890 ng

RT: 7.781 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

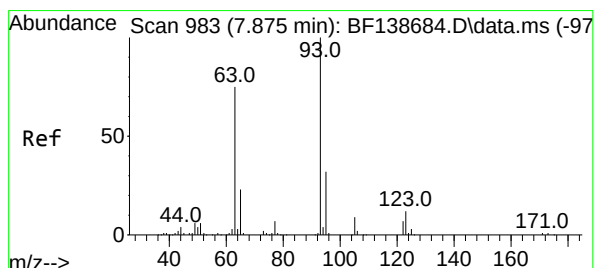
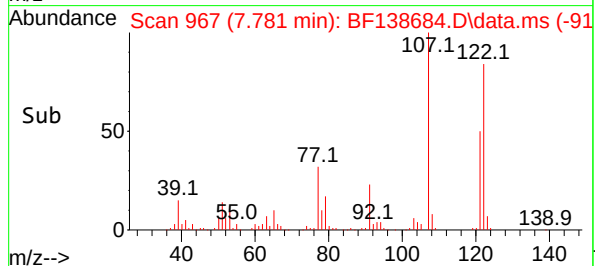
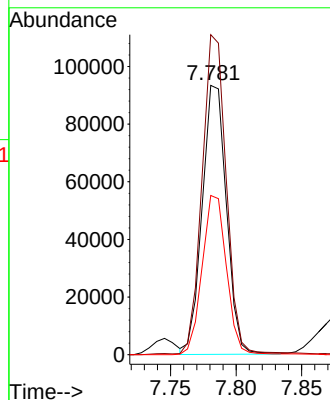
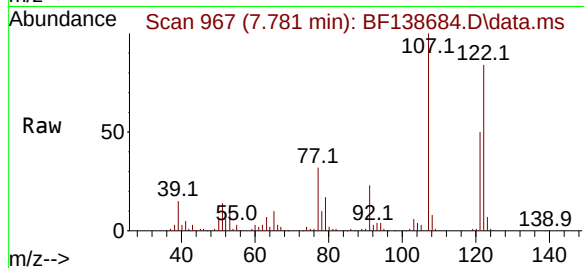
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 120225

Ion	Ratio	Lower	Upper
122	100		
107	118.8	95.0	142.6
121	59.1	47.3	70.9



#28

bis(2-Chloroethoxy)methane

Concen: 39.348 ng

RT: 7.875 min Scan# 983

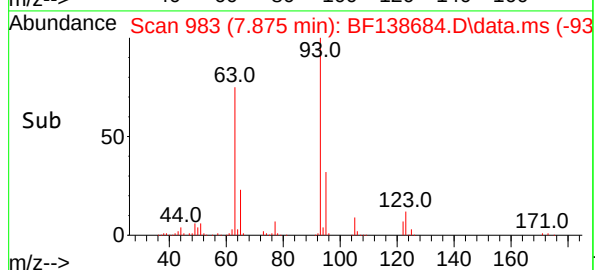
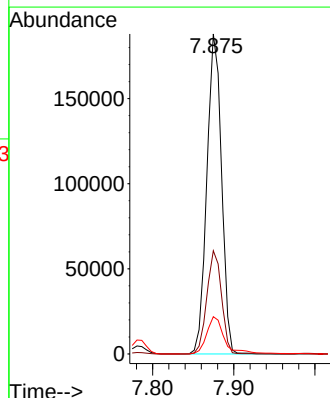
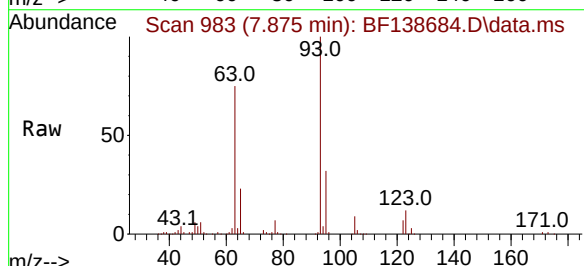
Delta R.T. 0.000 min

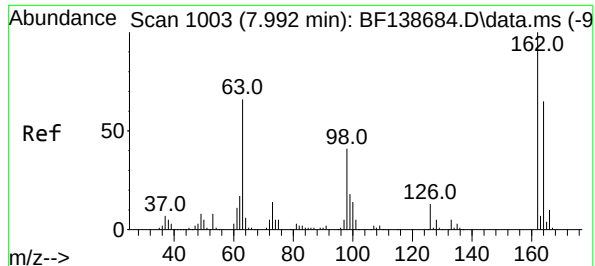
Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Tgt Ion: 93 Resp: 235424

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.7	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 40.030 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

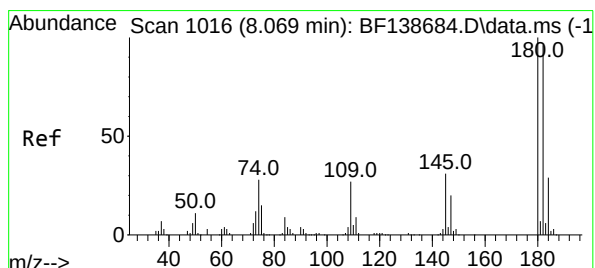
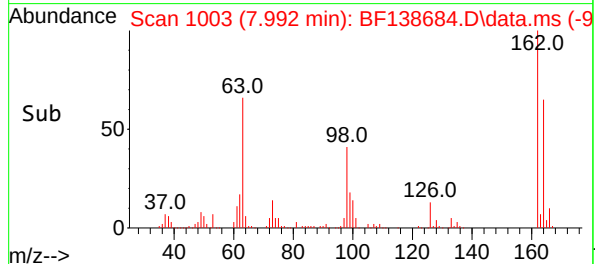
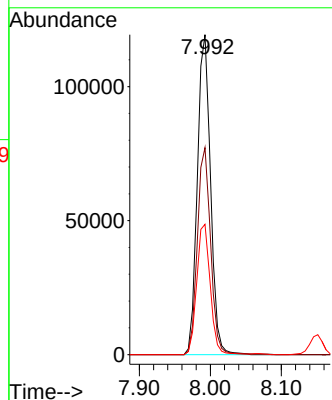
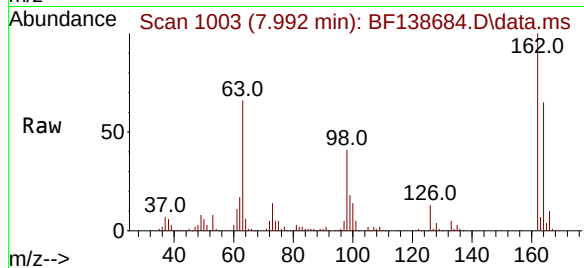
Tgt Ion:162 Resp: 155028

Ion Ratio Lower Upper

162 100

164 64.7 44.7 84.7

98 40.8 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 39.835 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

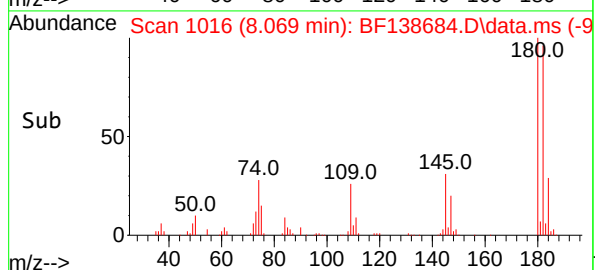
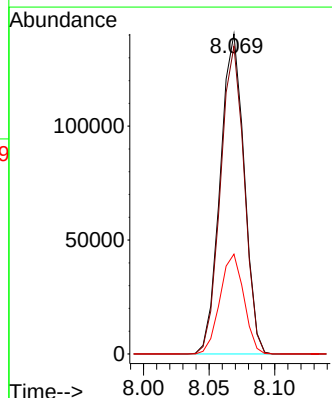
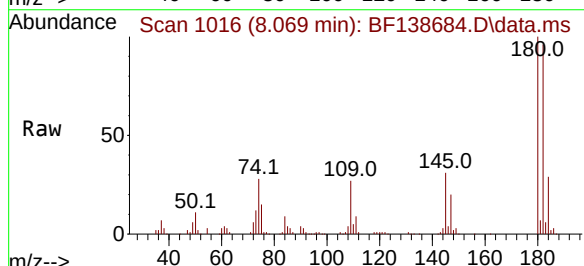
Tgt Ion:180 Resp: 178035

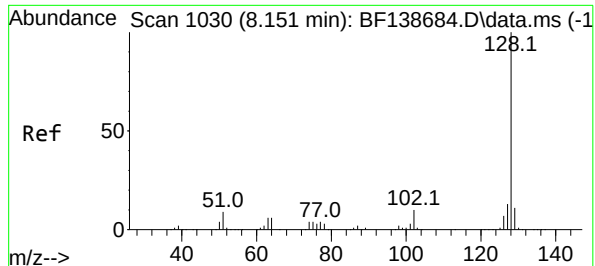
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 31.2 25.0 37.4





#31

Naphthalene

Concen: 39.655 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

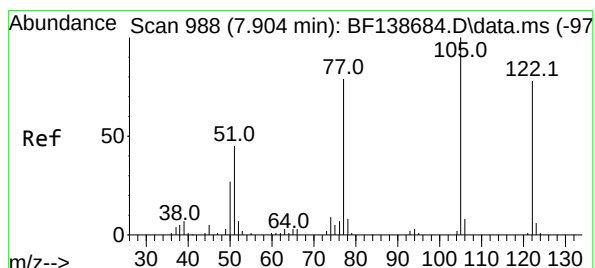
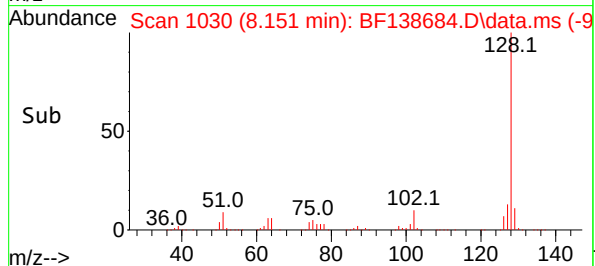
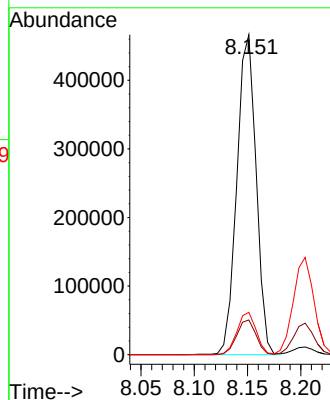
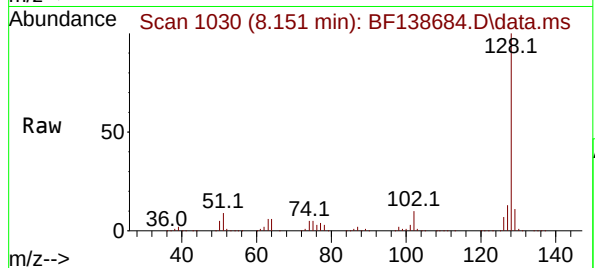
Tgt Ion:128 Resp: 587199

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 39.389 ng

RT: 7.904 min Scan# 988

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

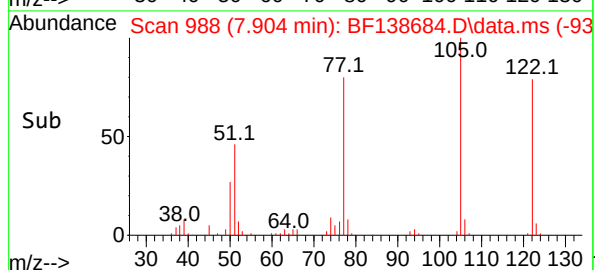
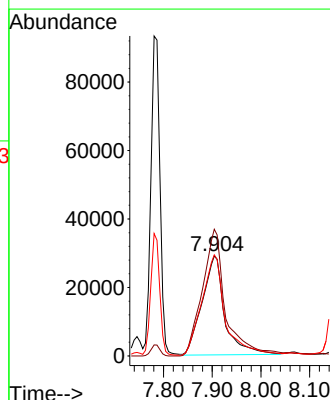
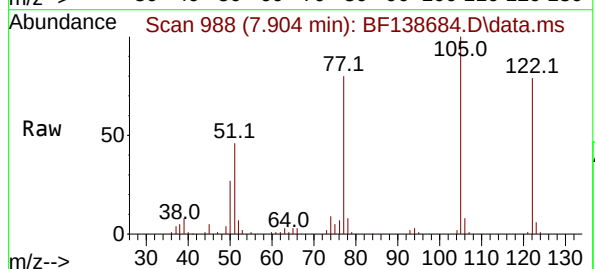
Tgt Ion:122 Resp: 93278

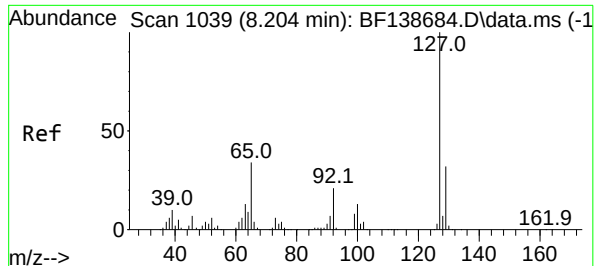
Ion Ratio Lower Upper

122 100

105 126.7 106.7 146.7

77 101.1 81.1 121.1





#33

4-Chloroaniline

Concen: 39.130 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 194499

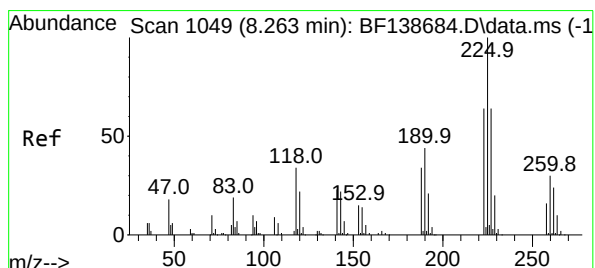
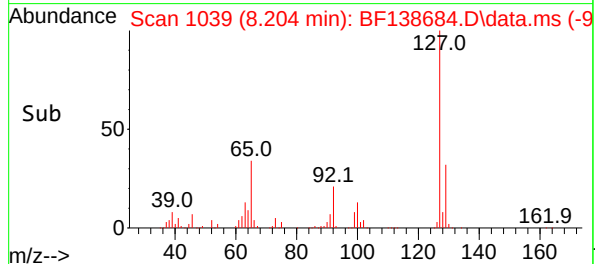
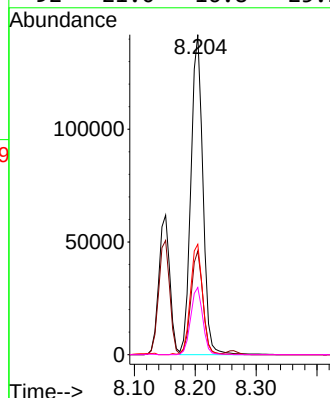
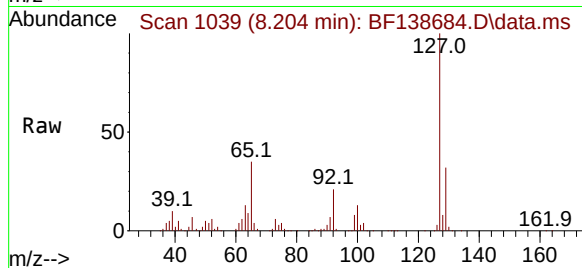
Ion Ratio Lower Upper

127 100

129 32.4 25.9 38.9

65 34.5 27.6 41.4

92 21.0 16.8 25.2



#34

Hexachlorobutadiene

Concen: 39.476 ng

RT: 8.263 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

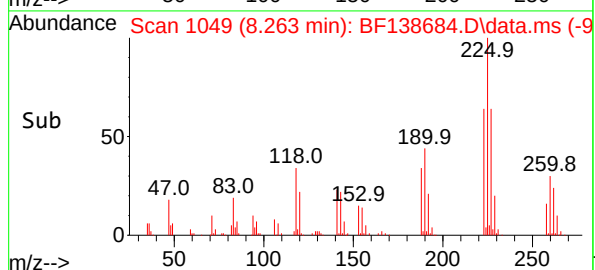
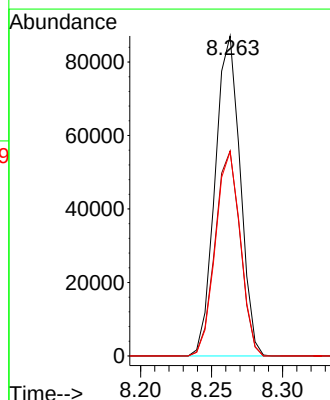
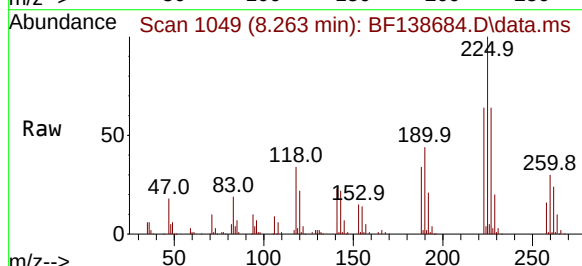
Tgt Ion:225 Resp: 106863

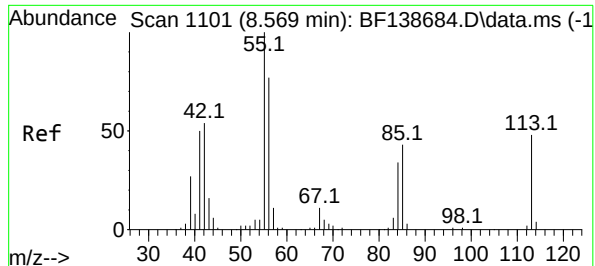
Ion Ratio Lower Upper

225 100

223 64.0 51.2 76.8

227 63.9 51.1 76.7

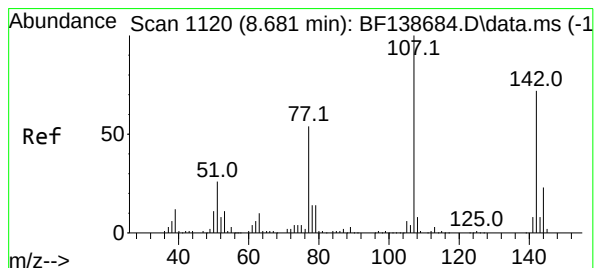
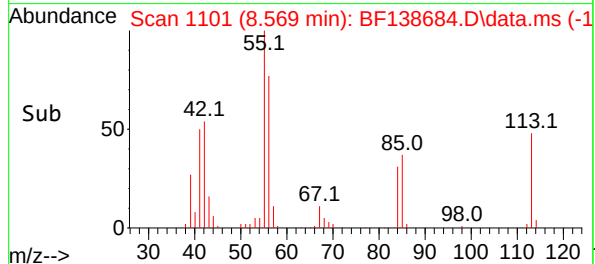
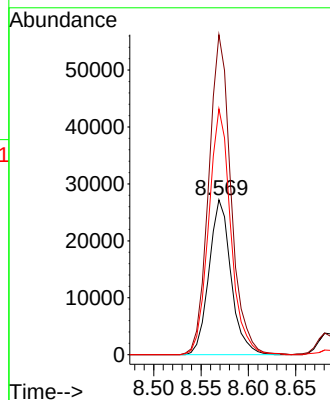
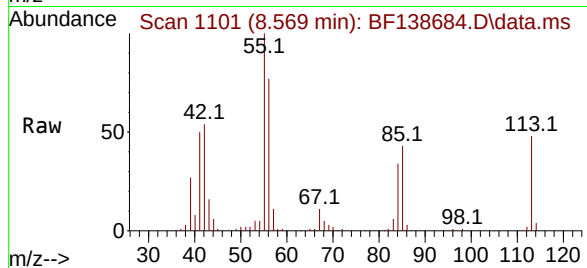




#35
Caprolactam
Concen: 37.984 ng
RT: 8.569 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

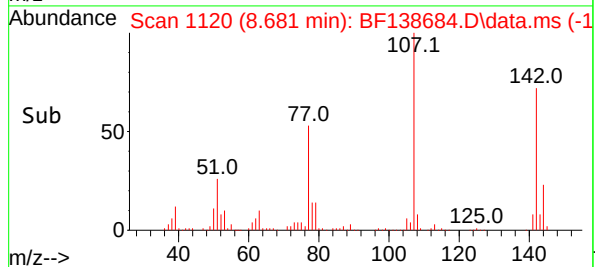
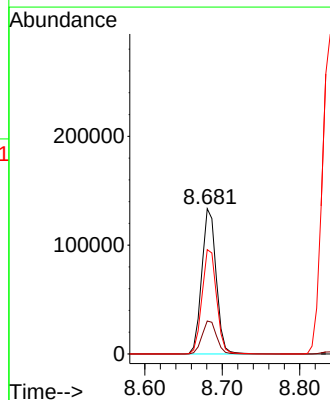
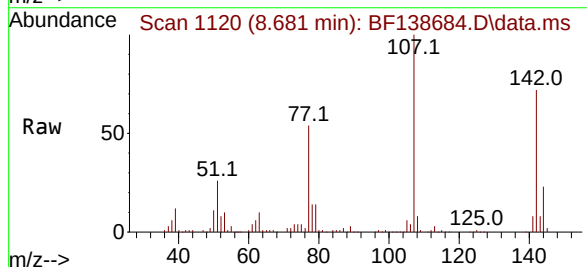
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

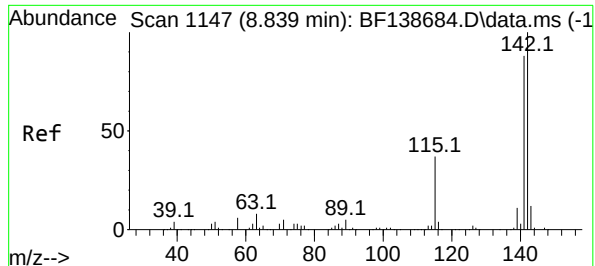
Tgt Ion:113 Resp: 43894
Ion Ratio Lower Upper
113 100
55 206.7 186.7 226.7
56 158.9 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 38.983 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:107 Resp: 172540
Ion Ratio Lower Upper
107 100
144 22.7 18.2 27.2
142 71.8 57.4 86.2





#37

2-Methylnaphthalene

Concen: 39.019 ng

RT: 8.839 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

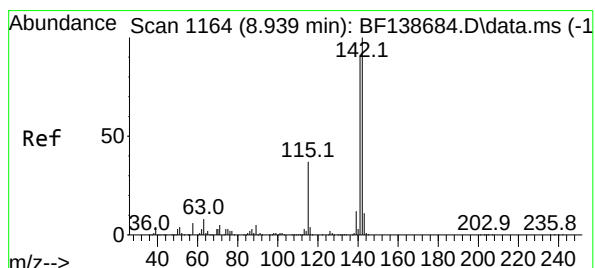
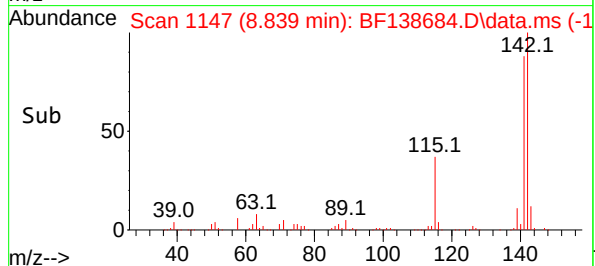
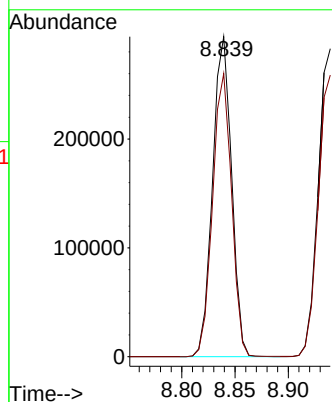
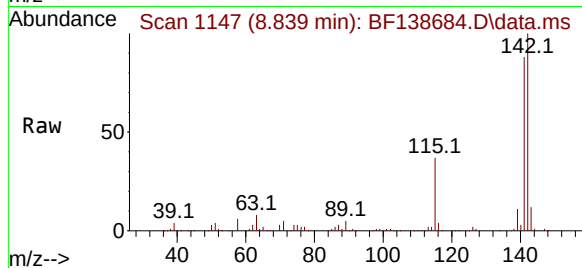
SSTDICCC040

Tgt Ion:142 Resp: 364899

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 39.045 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF138684.D

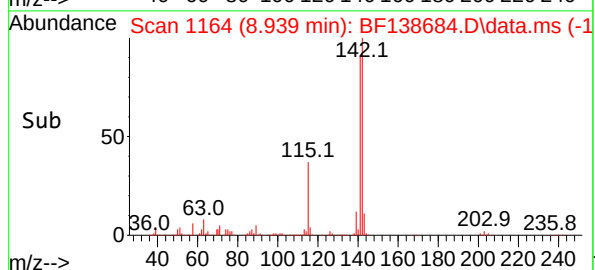
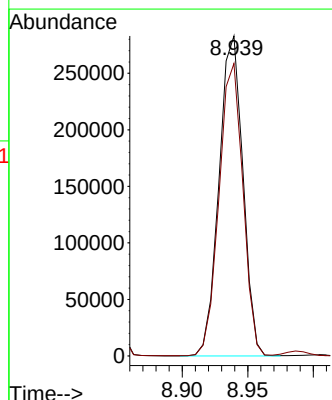
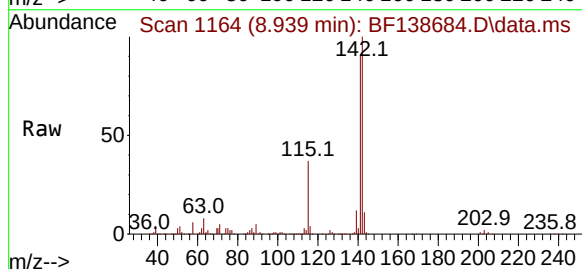
Acq: 30 Jul 2024 14:56

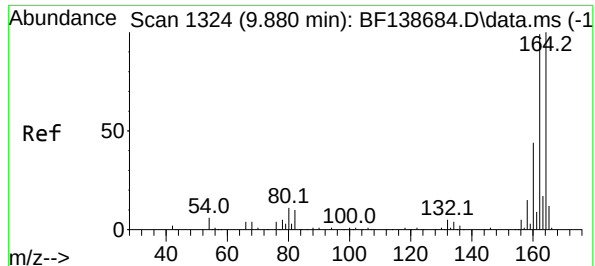
Tgt Ion:142 Resp: 357806

Ion Ratio Lower Upper

142 100

141 91.4 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

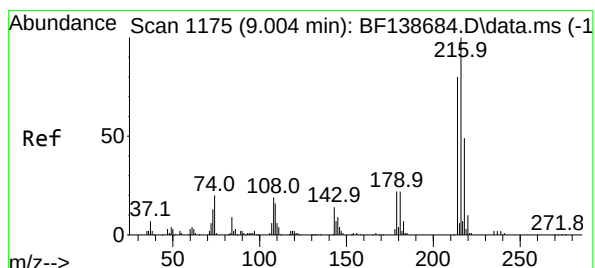
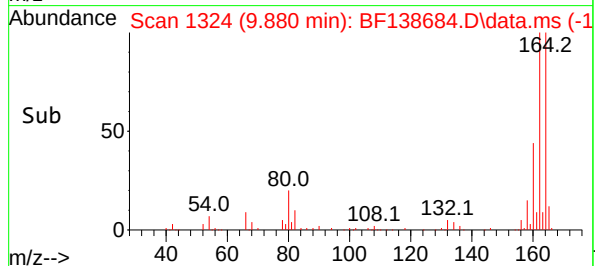
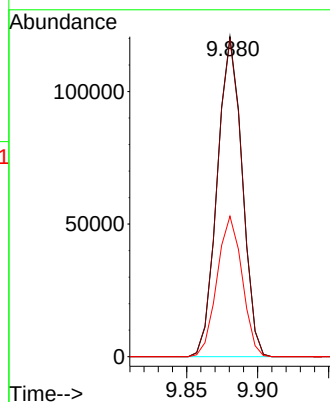
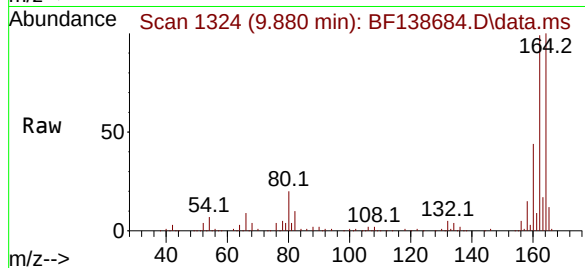
Tgt Ion:164 Resp: 146962

Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.0

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.628 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Tgt Ion:216 Resp: 161777

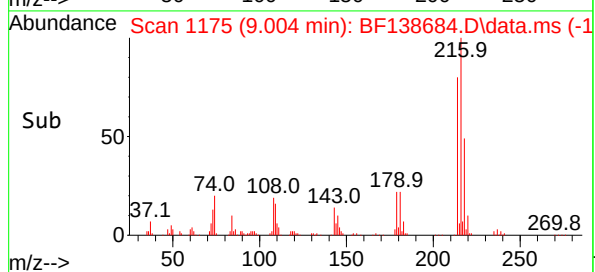
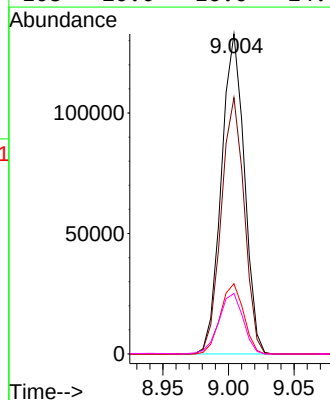
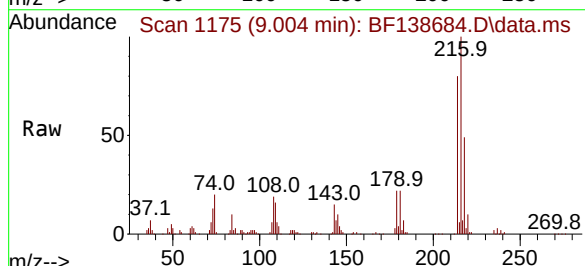
Ion Ratio Lower Upper

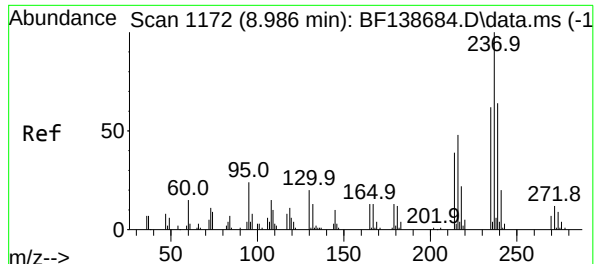
216 100

214 79.9 63.9 95.9

179 22.2 17.8 26.6

108 20.0 16.0 24.0

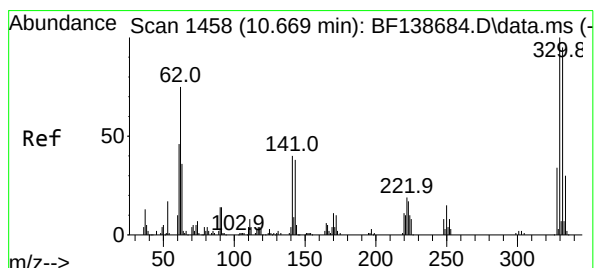
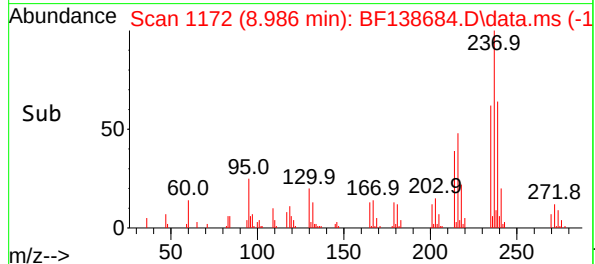
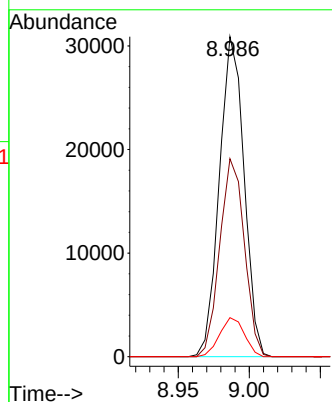
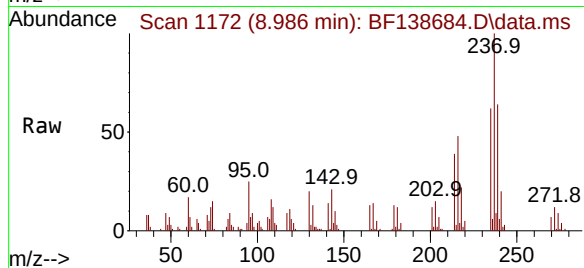




#41
Hexachlorocyclopentadiene
Concen: 38.484 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

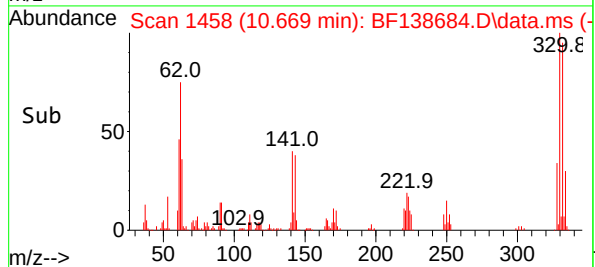
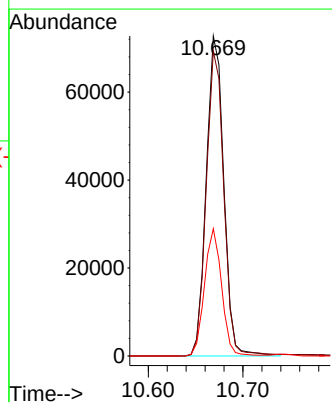
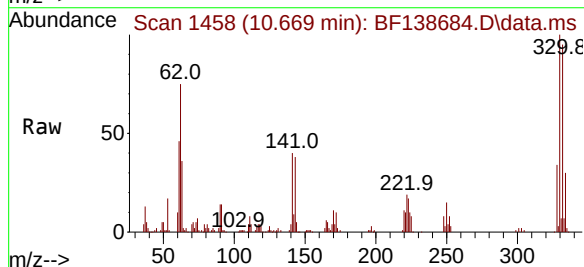
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

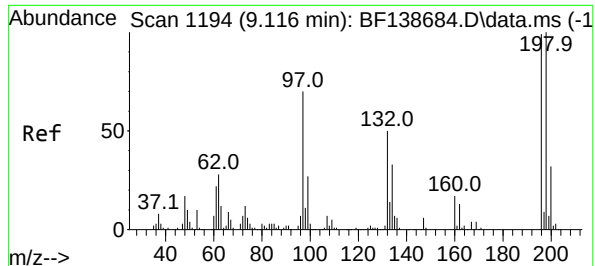
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.8	81.8
272	12.2	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 77.638 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.4	114.6
141	38.9	31.1	46.7





#43

2,4,6-Trichlorophenol

Concen: 39.709 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF138684.D

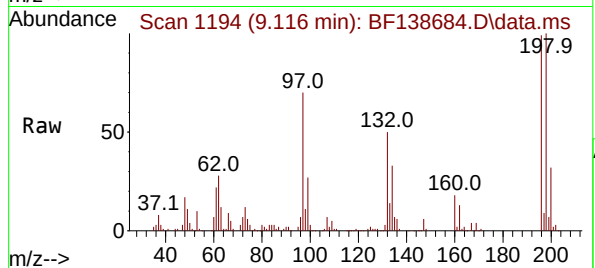
Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



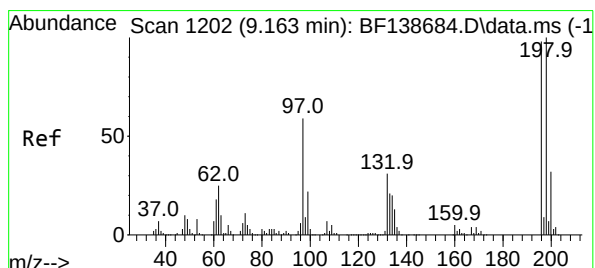
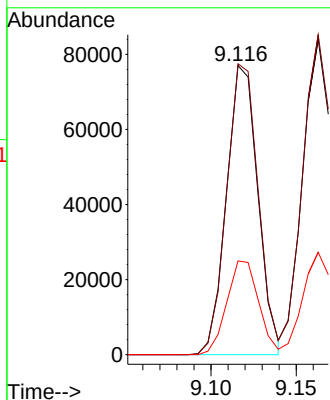
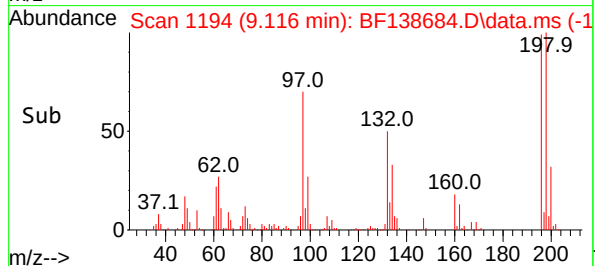
Tgt Ion:196 Resp: 98841

Ion Ratio Lower Upper

196 100

198 100.6 80.5 120.7

200 32.4 25.9 38.9



#44

2,4,5-Trichlorophenol

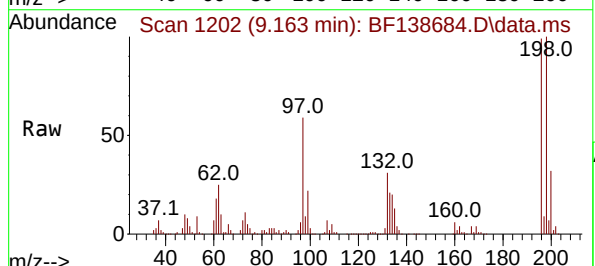
Concen: 39.788 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56



Tgt Ion:196 Resp: 108268

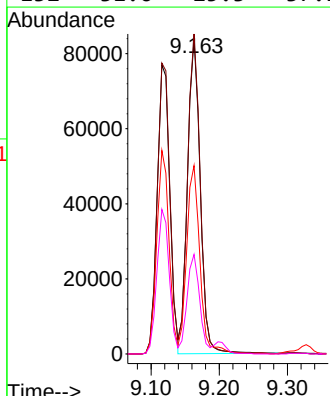
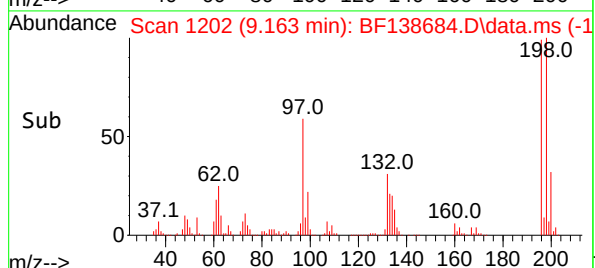
Ion Ratio Lower Upper

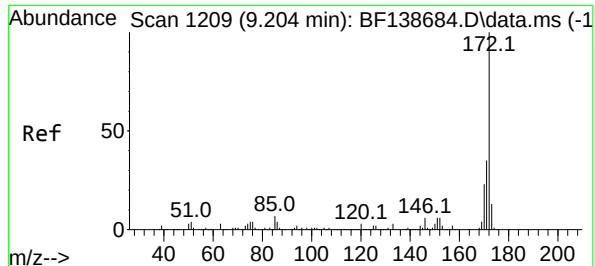
196 100

198 101.5 81.2 121.8

97 59.7 47.8 71.6

132 31.6 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 78.480 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

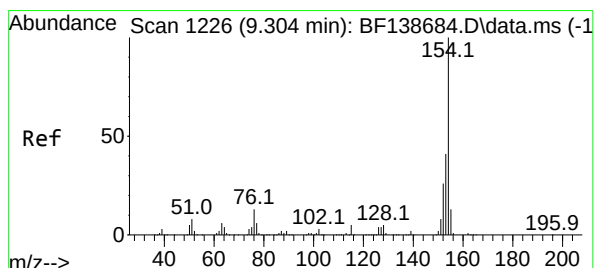
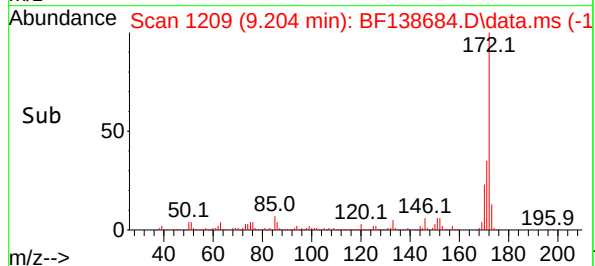
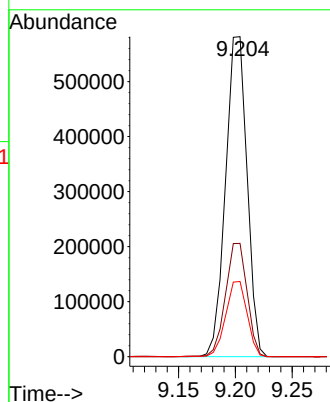
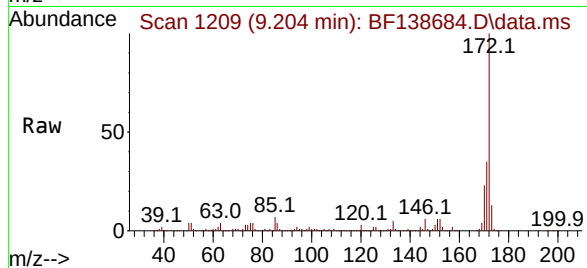
Tgt Ion:172 Resp: 767623

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 39.303 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

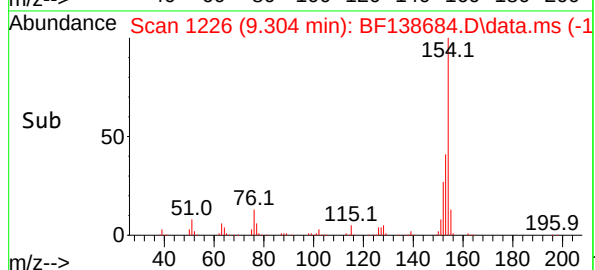
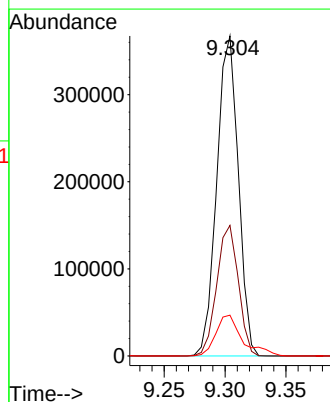
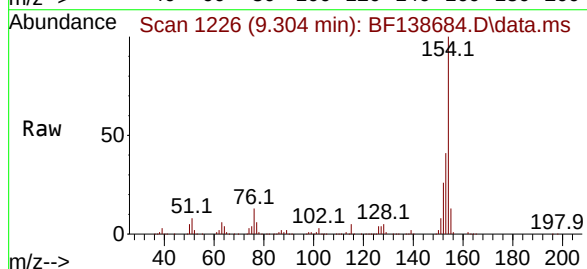
Tgt Ion:154 Resp: 452377

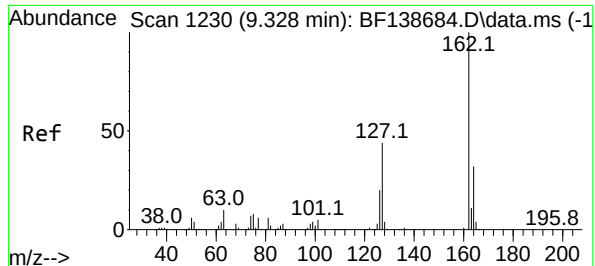
Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.520 ng

RT: 9.328 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

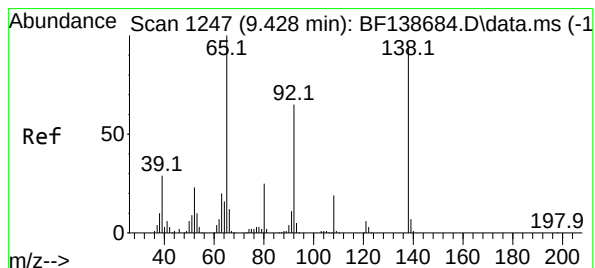
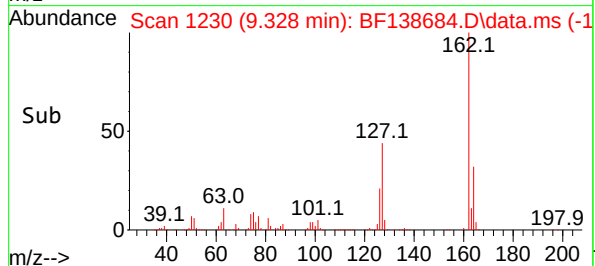
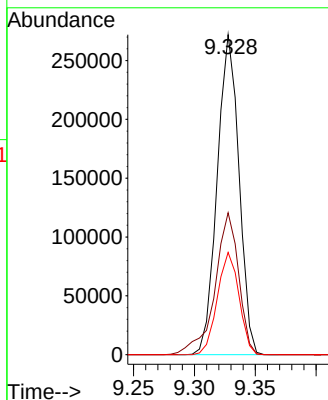
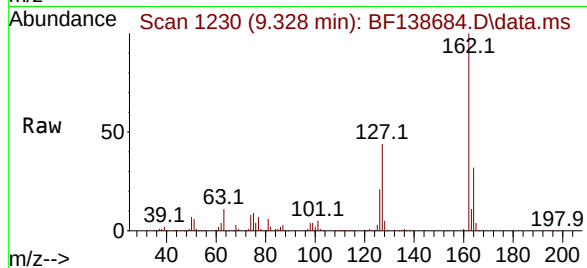
Tgt Ion:162 Resp: 338303

Ion Ratio Lower Upper

162 100

127 44.3 35.4 53.2

164 32.0 25.6 38.4



#48

2-Nitroaniline

Concen: 39.417 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

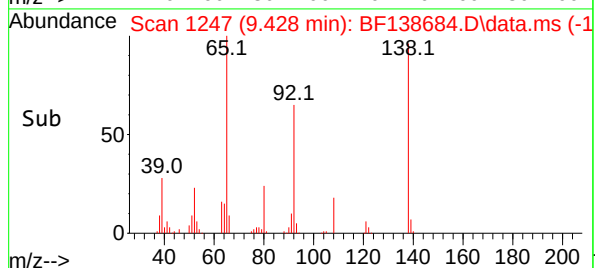
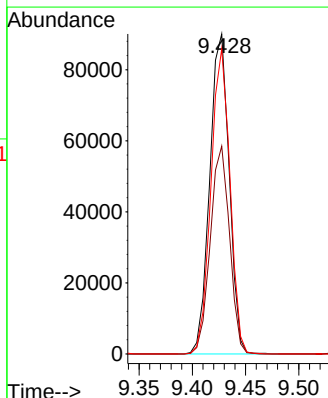
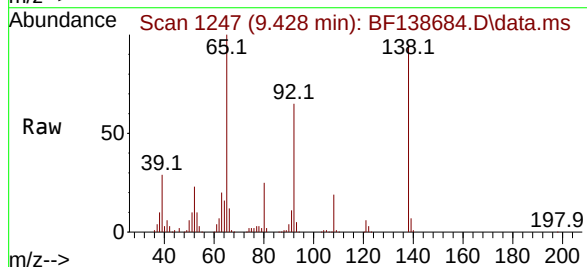
Tgt Ion: 65 Resp: 114390

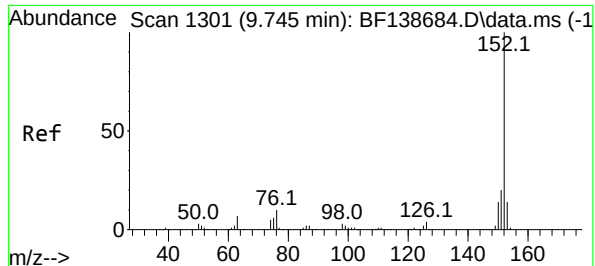
Ion Ratio Lower Upper

65 100

92 65.0 52.0 78.0

138 95.3 76.2 114.4





#49

Acenaphthylene

Concen: 39.633 ng

RT: 9.745 min Scan# 1301

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

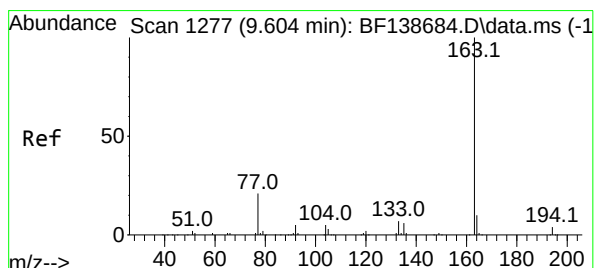
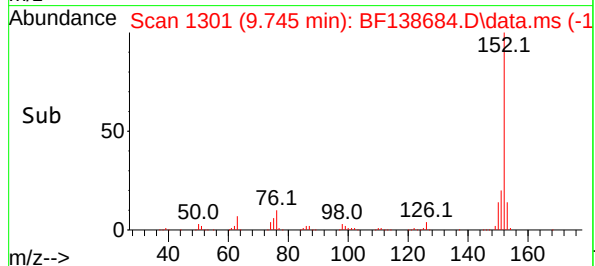
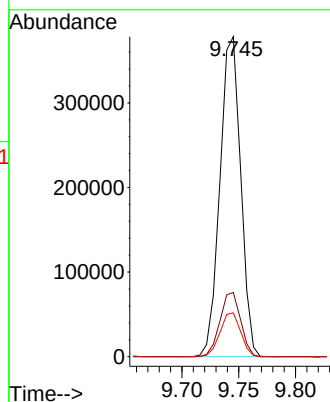
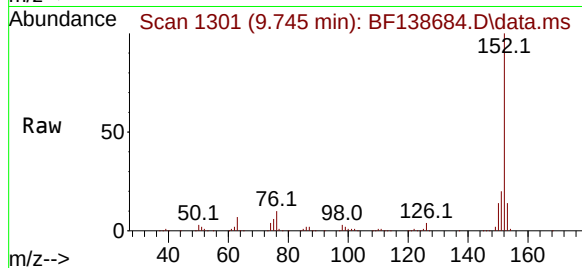
Tgt Ion:152 Resp: 481180

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.7 11.0 16.4



#50

Dimethylphthalate

Concen: 38.452 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

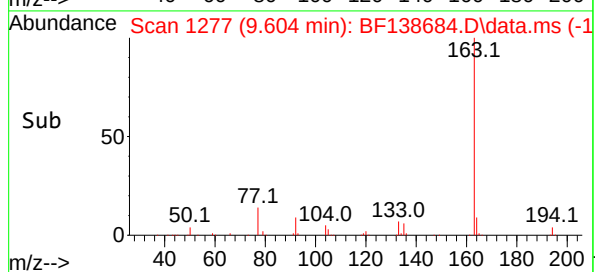
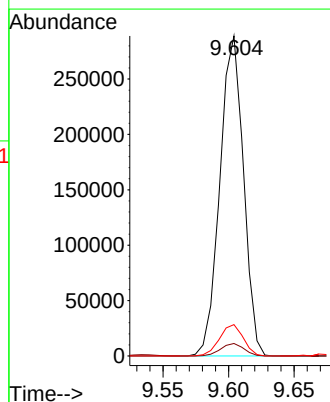
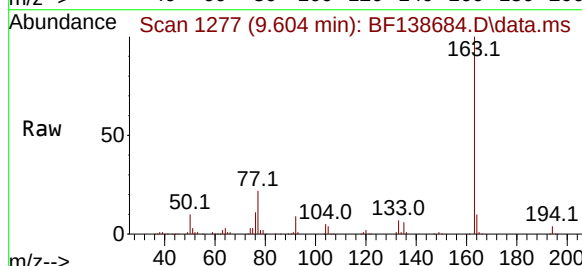
Tgt Ion:163 Resp: 361332

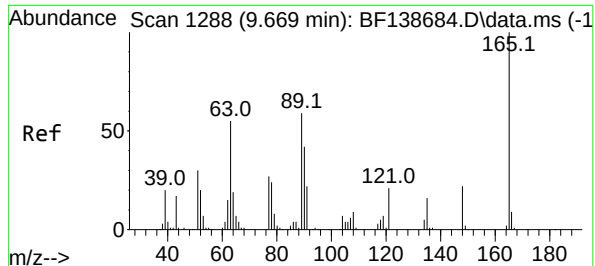
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 39.918 ng

RT: 9.669 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

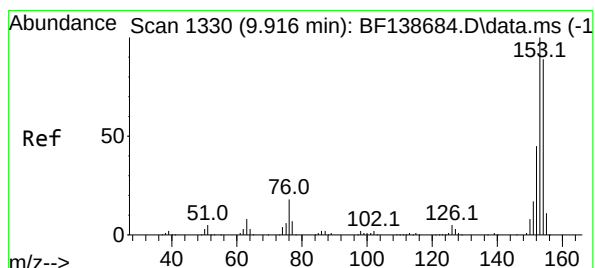
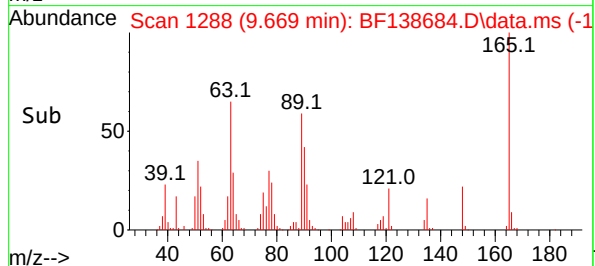
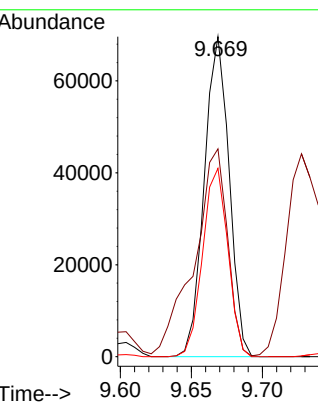
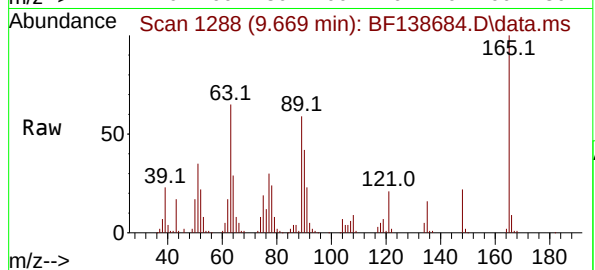
Tgt Ion:165 Resp: 84654

Ion Ratio Lower Upper

165 100

63 65.0 52.0 78.0

89 58.8 47.0 70.6



#52

Acenaphthene

Concen: 38.964 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

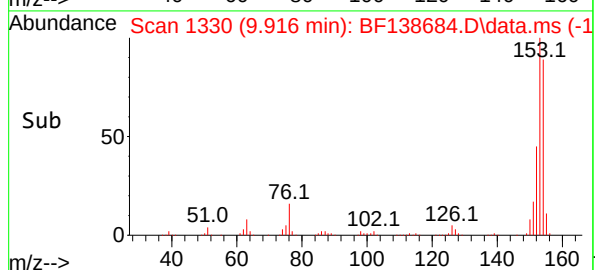
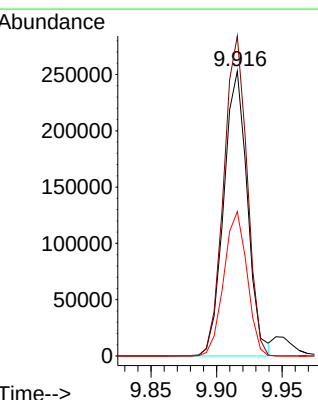
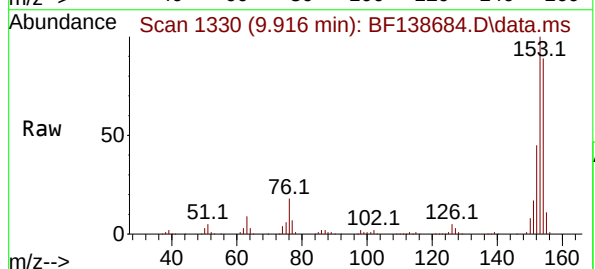
Tgt Ion:154 Resp: 318001

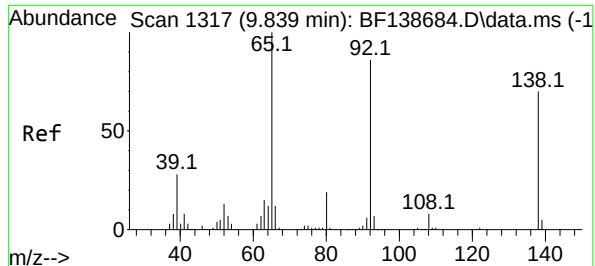
Ion Ratio Lower Upper

154 100

153 112.4 89.9 134.9

152 50.7 40.6 60.8





#53

3-Nitroaniline

Concen: 38.633 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

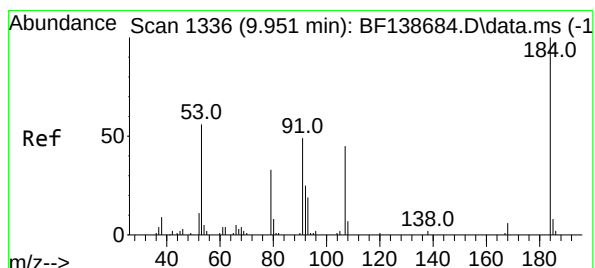
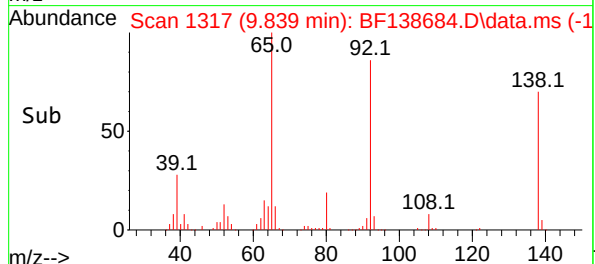
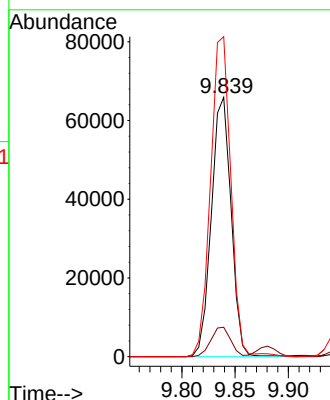
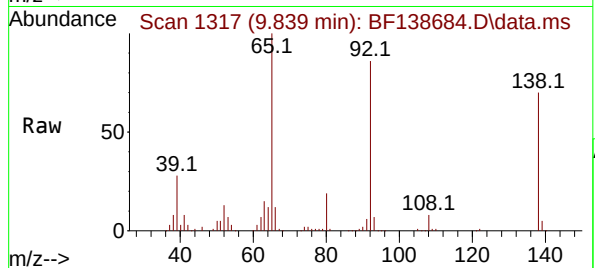
Tgt Ion:138 Resp: 84697

Ion Ratio Lower Upper

138 100

108 11.4 9.1 13.7

92 123.4 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 38.289 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

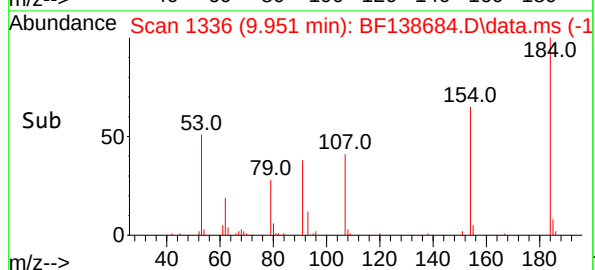
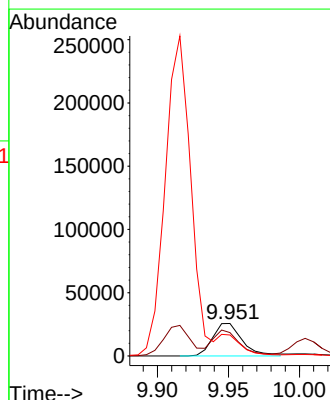
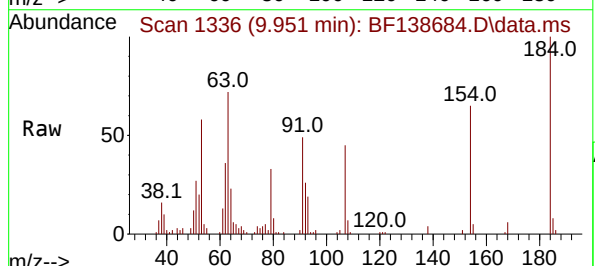
Tgt Ion:184 Resp: 37379

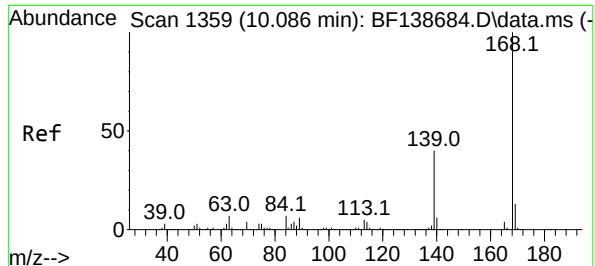
Ion Ratio Lower Upper

184 100

63 71.9 57.5 86.3

154 64.6 51.7 77.5





#55

Dibenzenofuran

Concen: 38.648 ng

RT: 10.086 min Scan# 1359

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

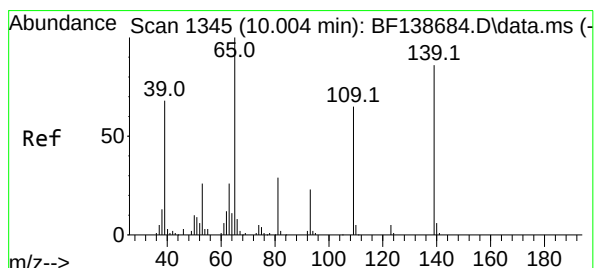
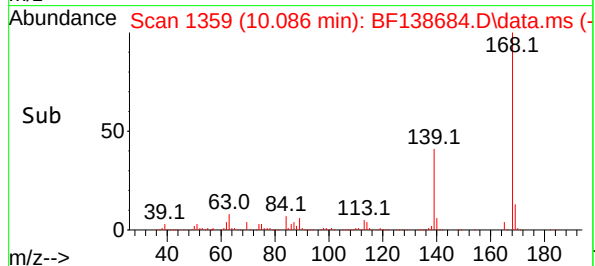
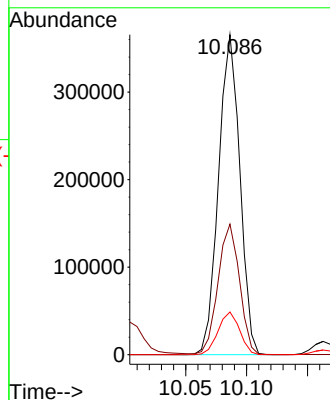
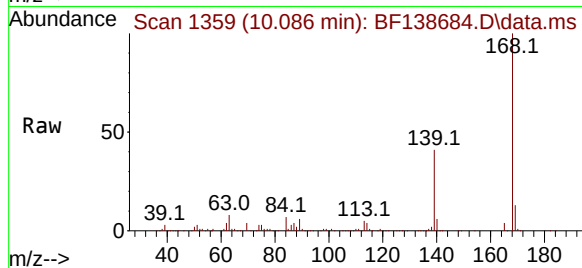
Tgt Ion:168 Resp: 445244

Ion Ratio Lower Upper

168 100

139 40.8 32.6 49.0

169 13.4 10.7 16.1



#56

4-Nitrophenol

Concen: 39.032 ng

RT: 10.004 min Scan# 1345

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

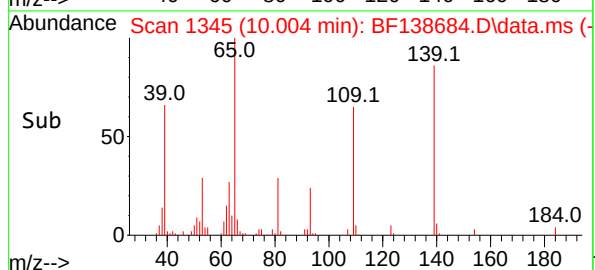
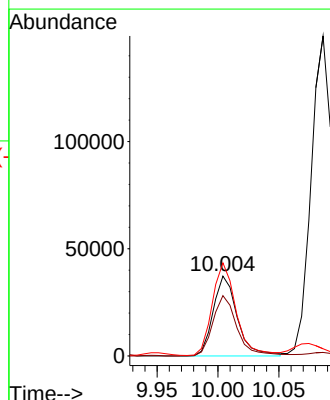
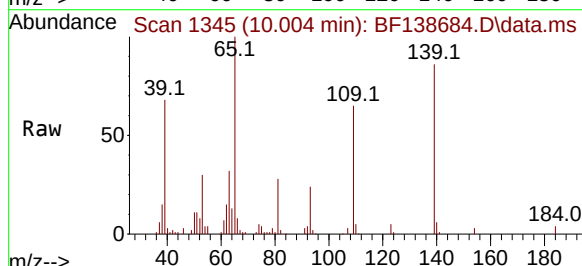
Tgt Ion:139 Resp: 51459

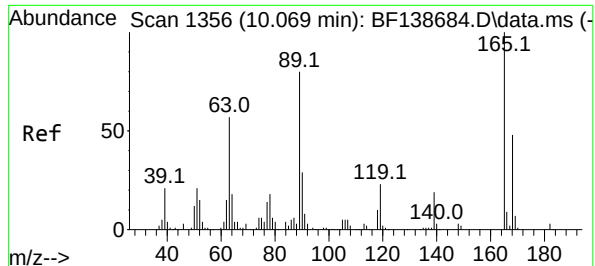
Ion Ratio Lower Upper

139 100

109 75.5 55.5 95.5

65 116.7 96.7 136.7

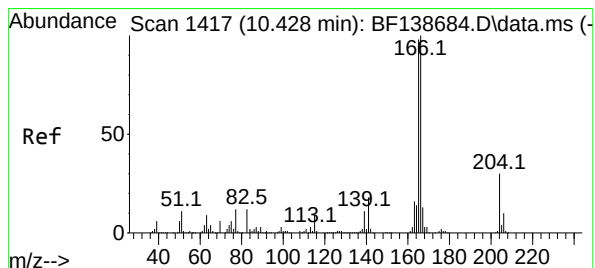
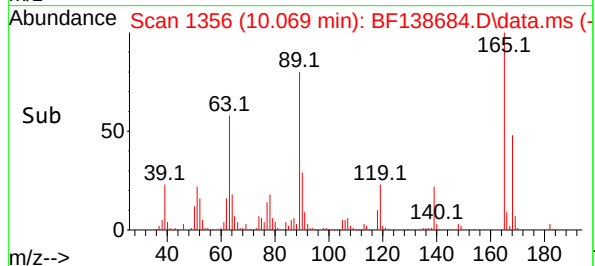
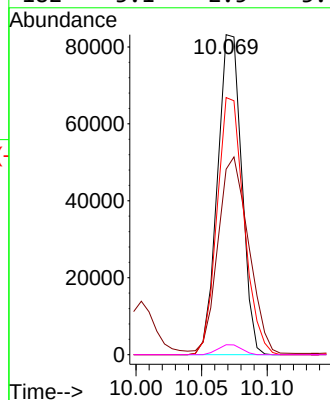
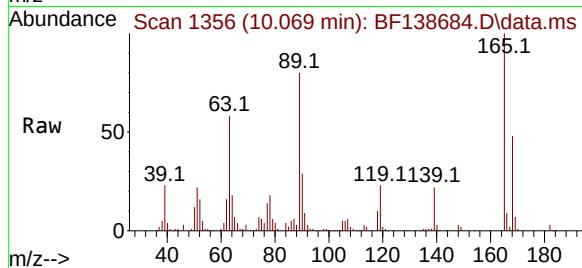




#57
2,4-Dinitrotoluene
Concen: 39.341 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

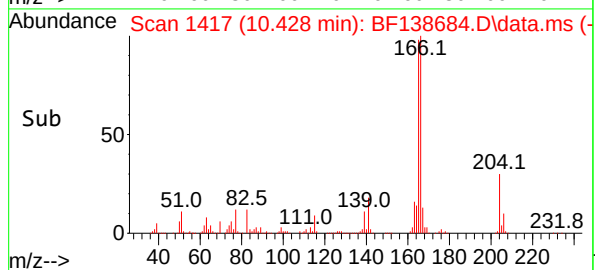
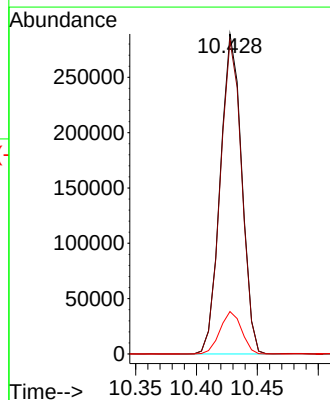
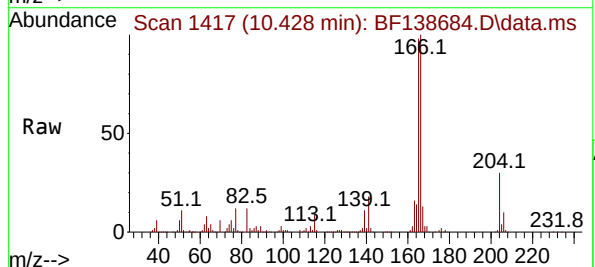
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

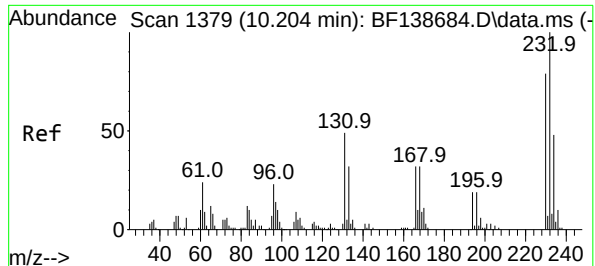
Tgt Ion:165 Resp: 106444
Ion Ratio Lower Upper
165 100
63 57.9 46.3 69.5
89 80.3 64.2 96.4
182 3.1 2.5 3.7



#58
Fluorene
Concen: 38.634 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:166 Resp: 354441
Ion Ratio Lower Upper
166 100
165 98.0 78.4 117.6
167 13.3 10.6 16.0

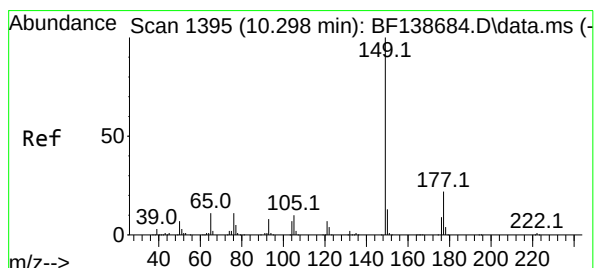
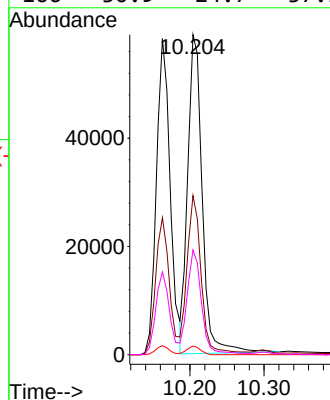
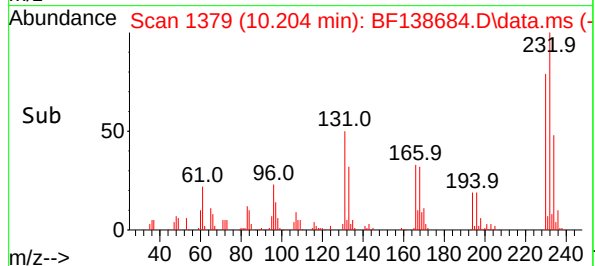
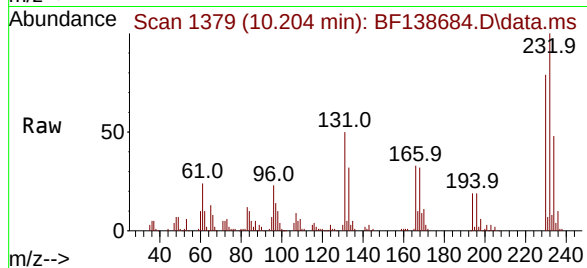




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.673 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

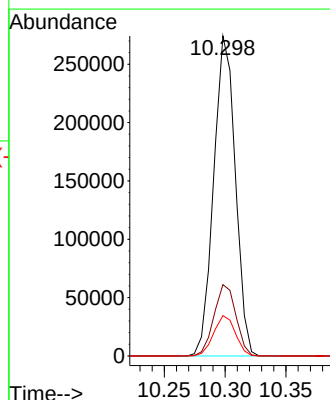
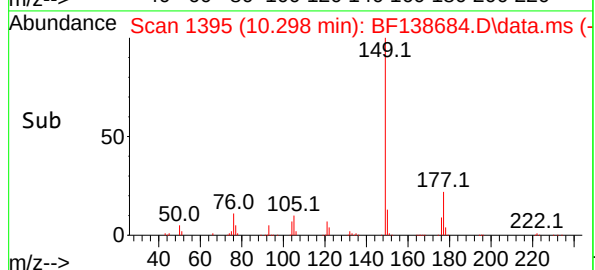
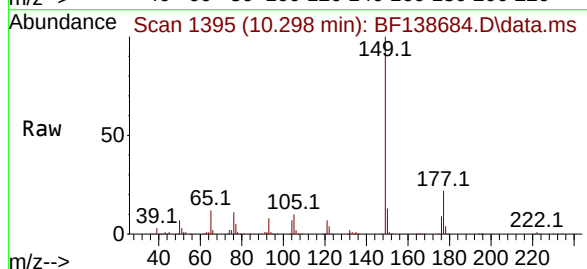
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

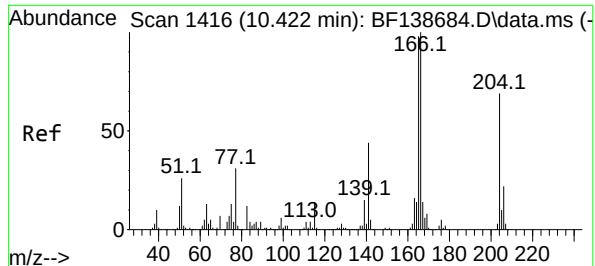
Tgt Ion:232 Resp: 80452
Ion Ratio Lower Upper
232 100
131 46.2 37.0 55.4
130 2.5 2.0 3.0
166 30.9 24.7 37.1



#60
Diethylphthalate
Concen: 38.114 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:149 Resp: 339596
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.8
150 12.6 10.1 15.1

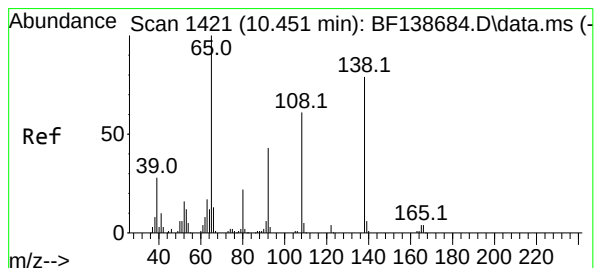
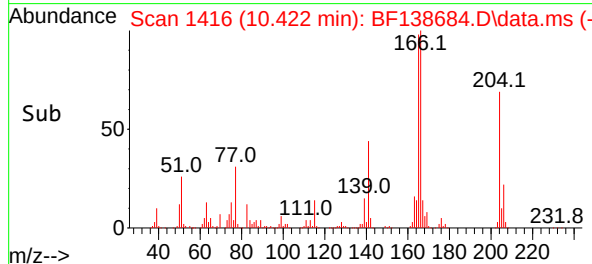
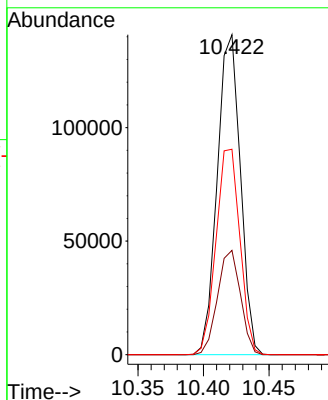
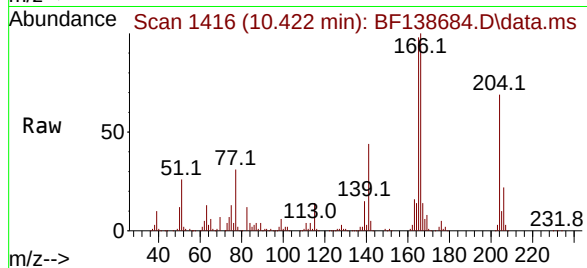




#61
4-Chlorophenyl-phenylether
Concen: 38.346 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

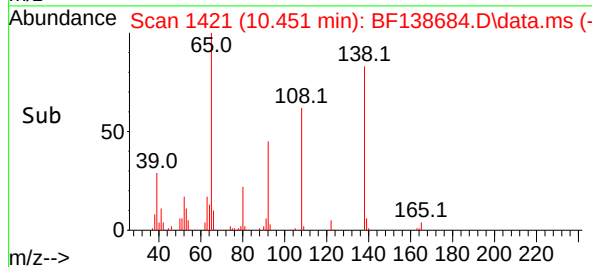
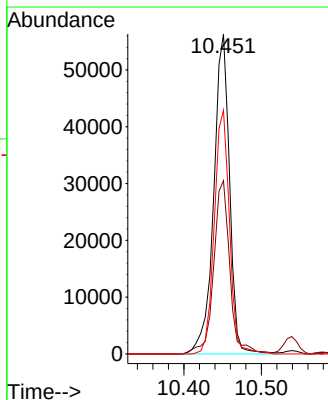
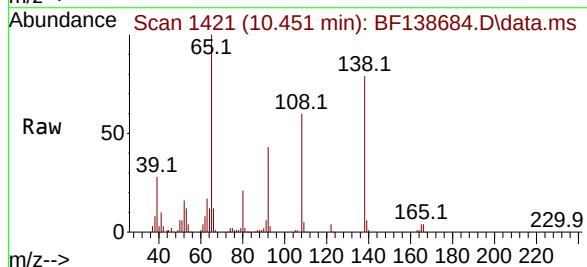
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

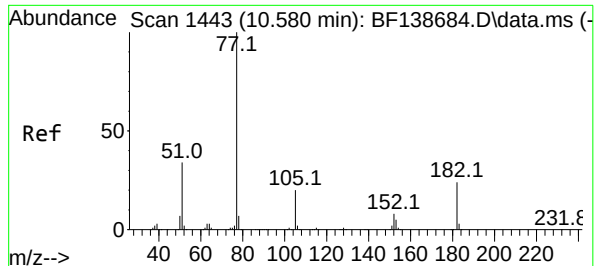
Tgt Ion:204 Resp: 173020
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 64.2 51.4 77.0



#62
4-Nitroaniline
Concen: 38.360 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:138 Resp: 79919
Ion Ratio Lower Upper
138 100
92 54.2 34.2 74.2
108 76.2 56.2 96.2

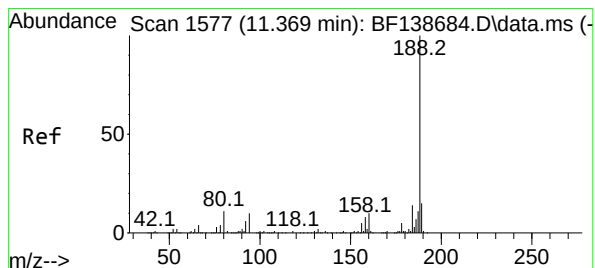
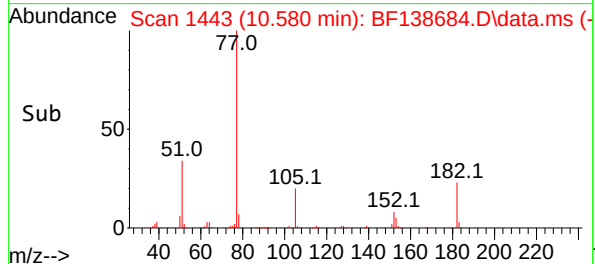
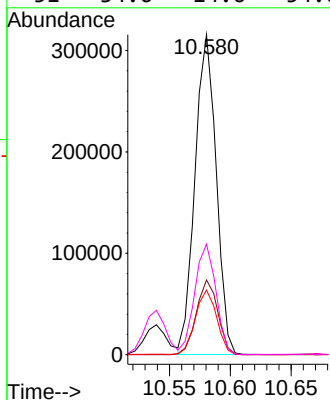
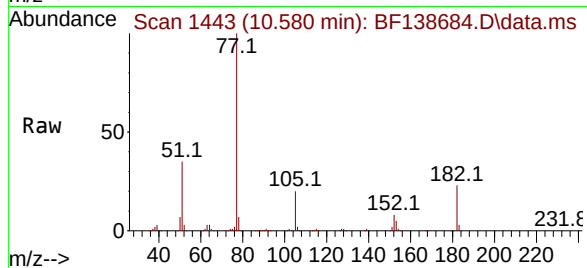




#63
Azobenzene
Concen: 38.662 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

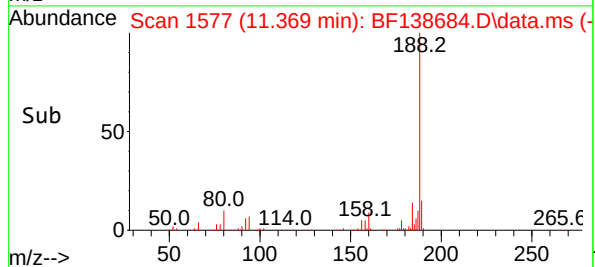
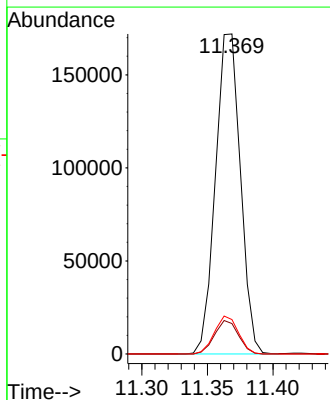
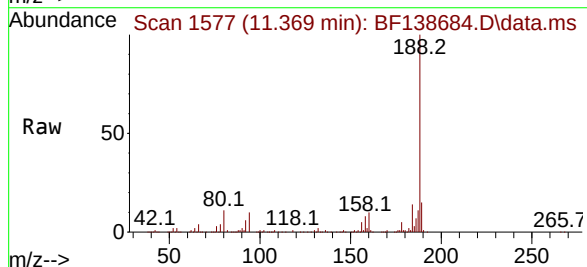
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

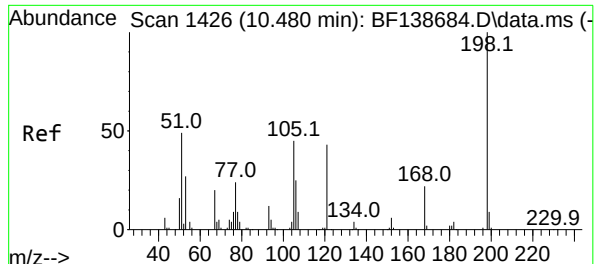
Tgt Ion:	77	Resp:	382056
Ion	Ratio	Lower	Upper
77	100		
182	23.4	3.4	43.4
105	20.2	0.2	40.2
51	34.6	14.6	54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:	188	Resp:	227513
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.6	11.4
80	10.7	8.6	12.8

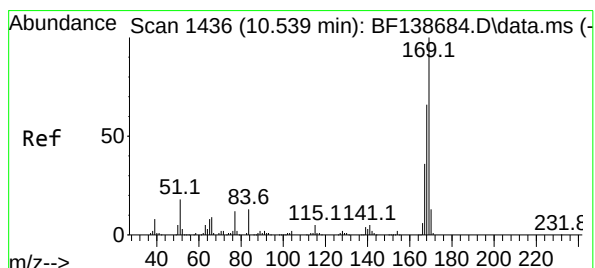
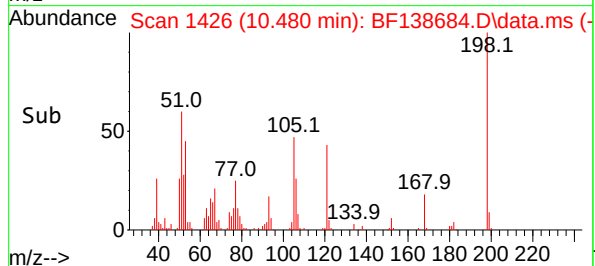
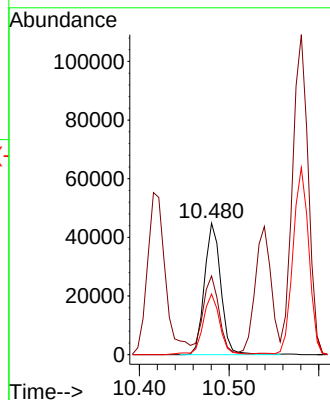
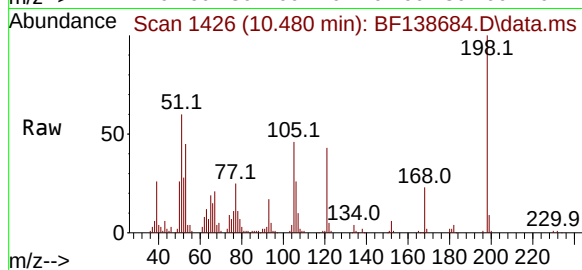




#65
4,6-Dinitro-2-methylphenol
Concen: 40.852 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

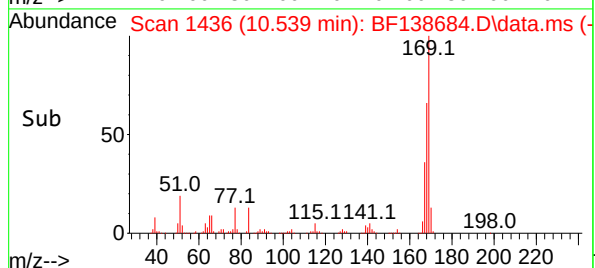
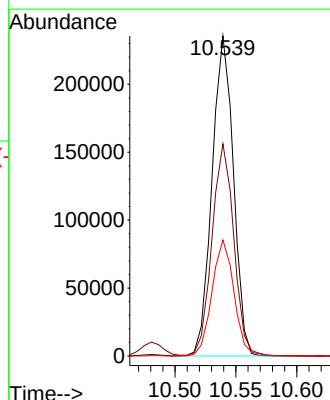
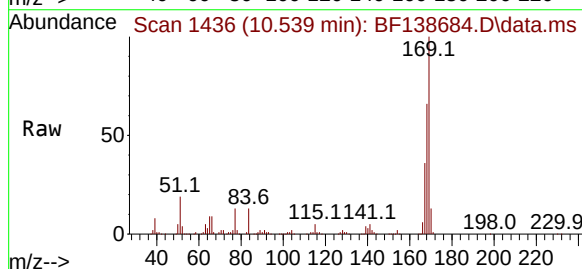
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

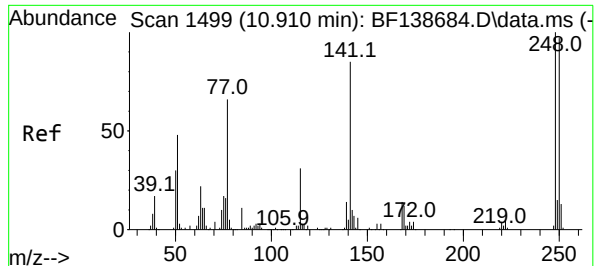
Tgt Ion:198 Resp: 56704
Ion Ratio Lower Upper
198 100
51 59.9 39.9 79.9
105 46.1 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 40.397 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:169 Resp: 287289
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 36.3 29.0 43.6

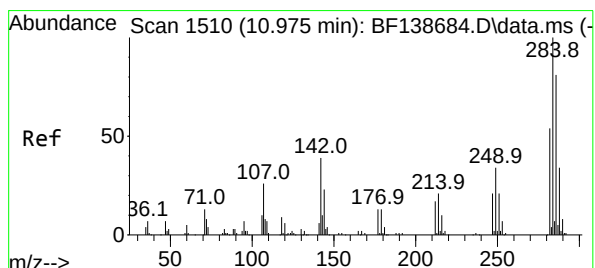
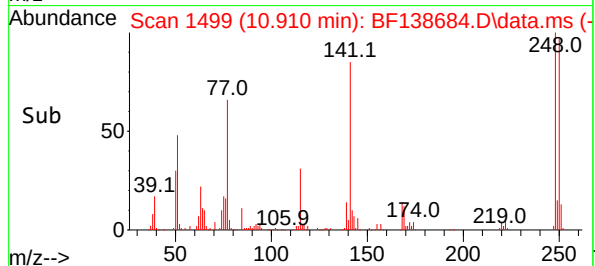
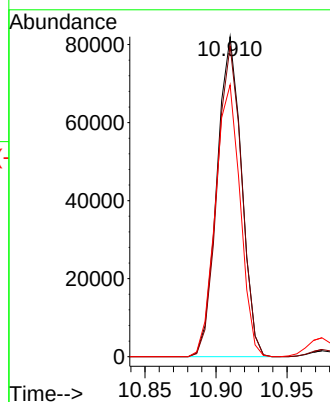
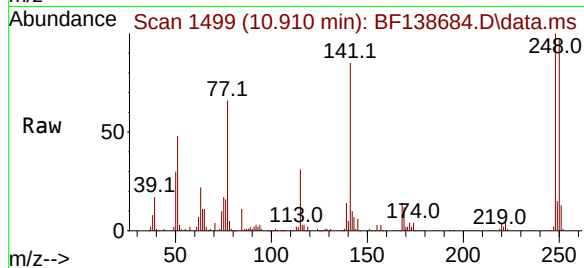




#67
4-Bromophenyl-phenylether
Concen: 40.031 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

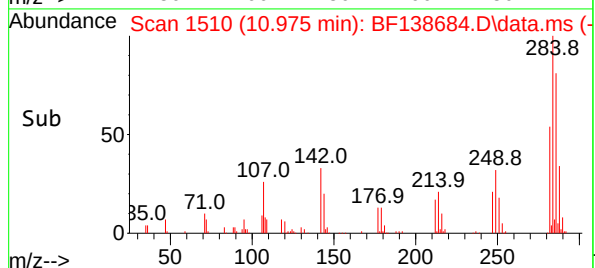
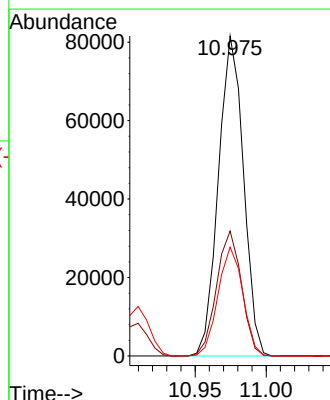
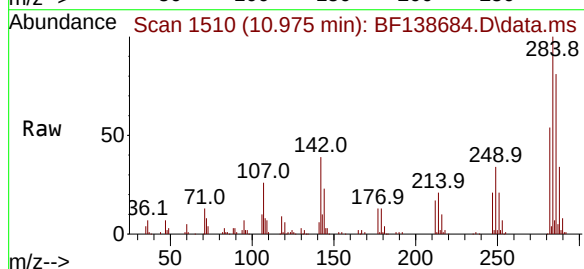
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

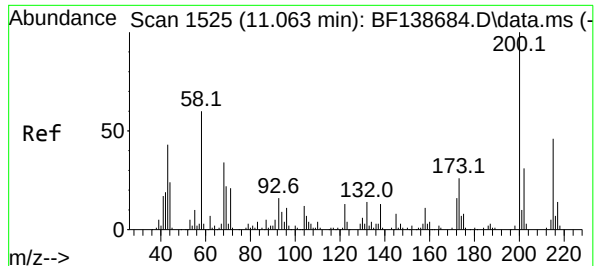
Tgt Ion:248 Resp: 98606
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 85.0 68.0 102.0



#68
Hexachlorobenzene
Concen: 39.354 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:284 Resp: 100089
Ion Ratio Lower Upper
284 100
142 39.1 31.3 46.9
249 34.0 27.2 40.8





#69

Atrazine

Concen: 40.295 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

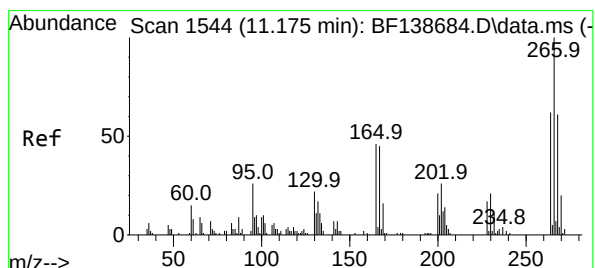
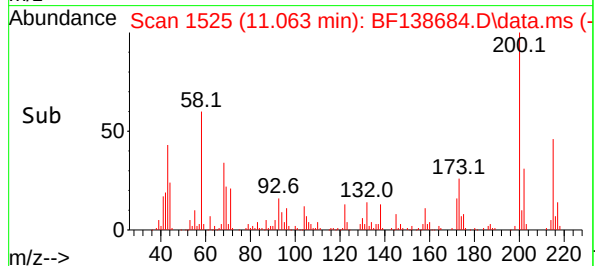
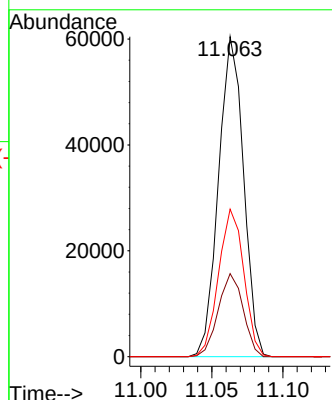
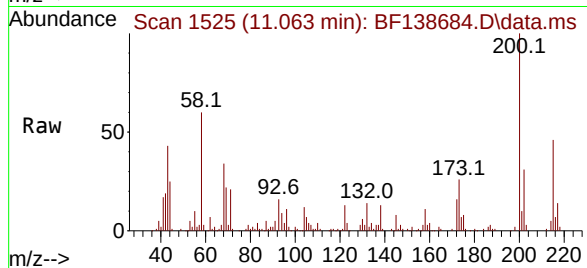
Tgt Ion:200 Resp: 73933

Ion Ratio Lower Upper

200 100

173 26.0 6.0 46.0

215 46.1 26.1 66.1



#70

Pentachlorophenol

Concen: 40.533 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

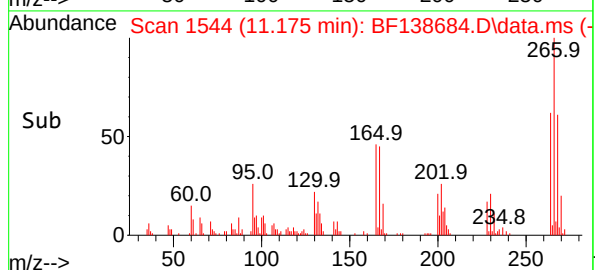
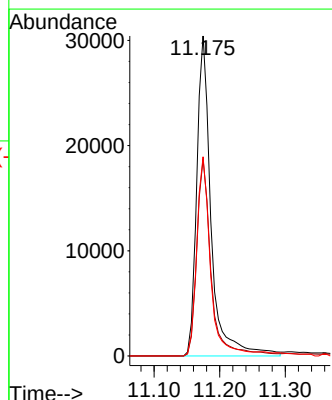
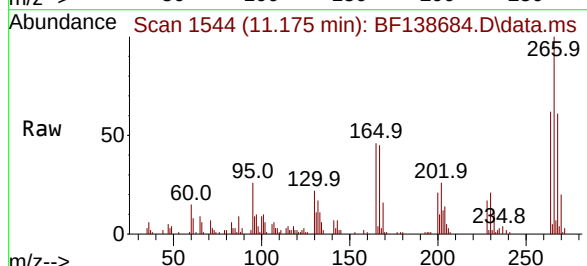
Tgt Ion:266 Resp: 46467

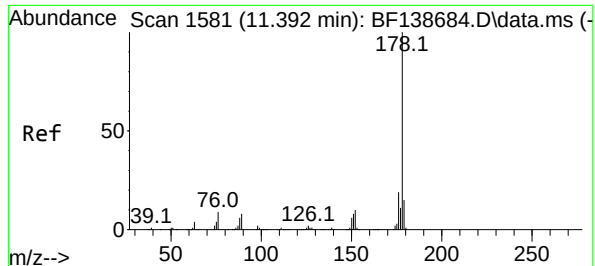
Ion Ratio Lower Upper

266 100

268 61.5 49.2 73.8

264 62.2 49.8 74.6

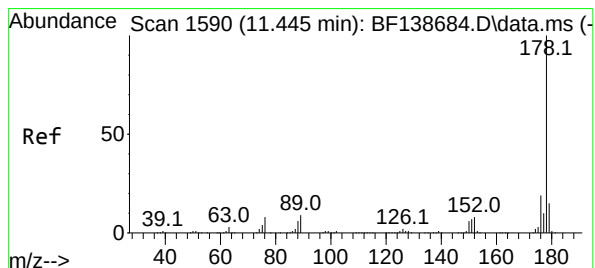
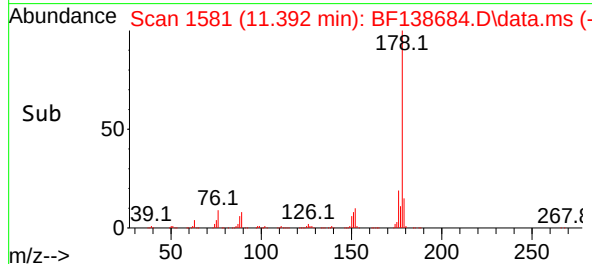
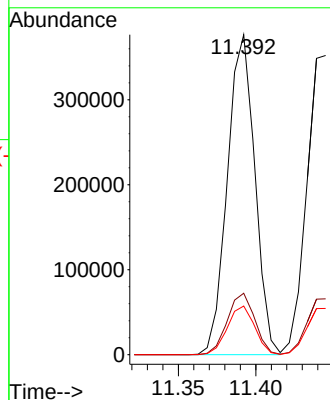
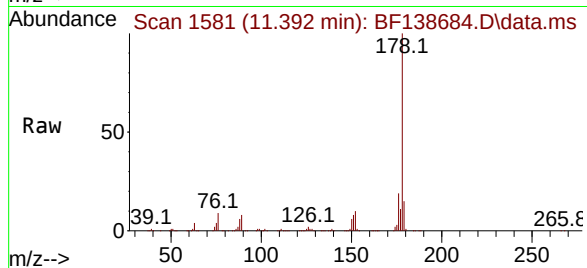




#71
Phenanthrene
Concen: 39.658 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

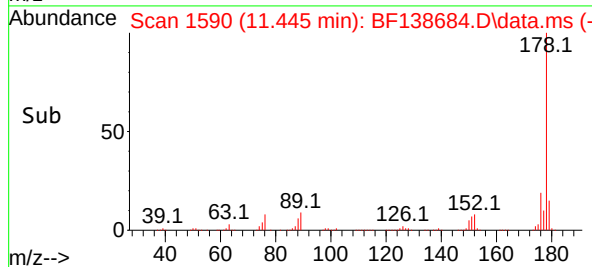
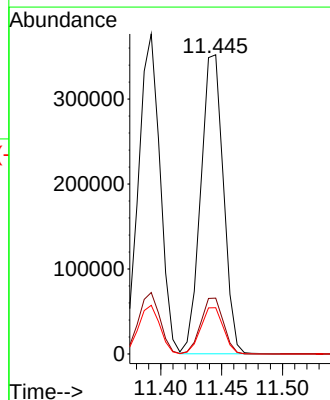
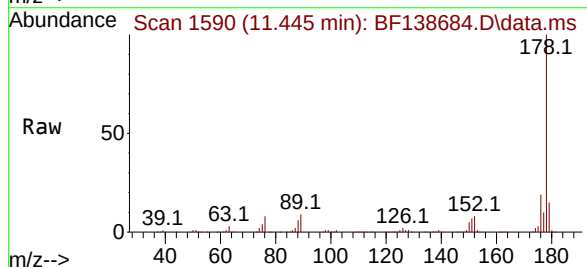
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

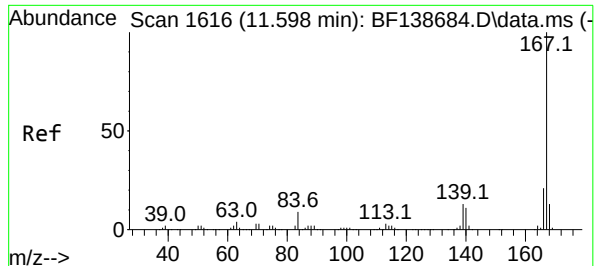
Tgt Ion:178 Resp: 464600
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2



#72
Anthracene
Concen: 39.526 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

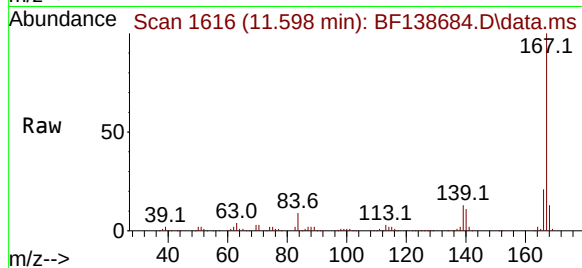
Tgt Ion:178 Resp: 456164
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.5 12.4 18.6



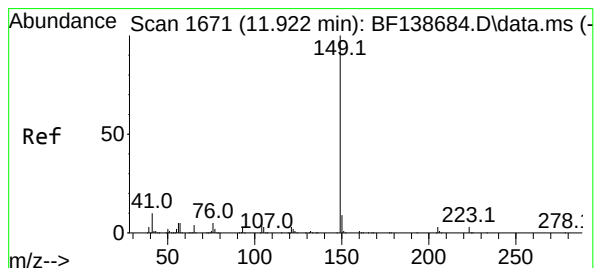
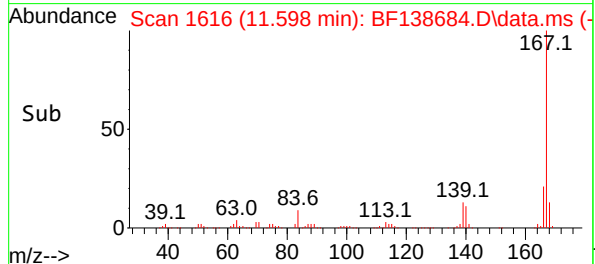
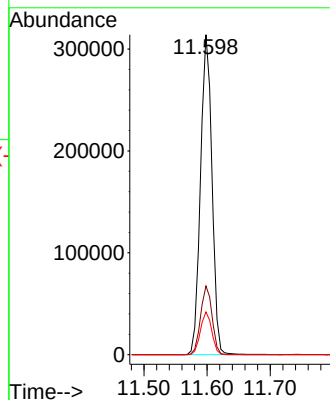


#73
Carbazole
Concen: 39.739 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

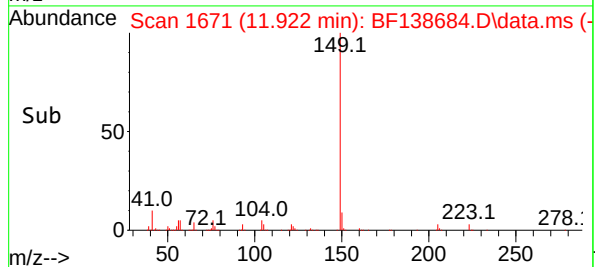
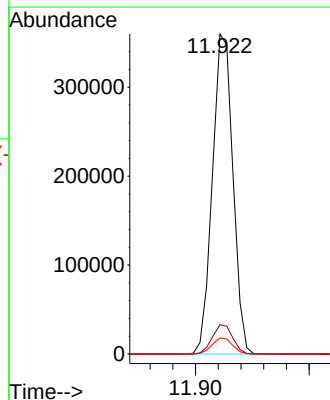
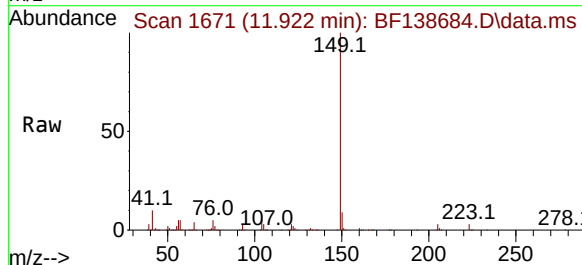


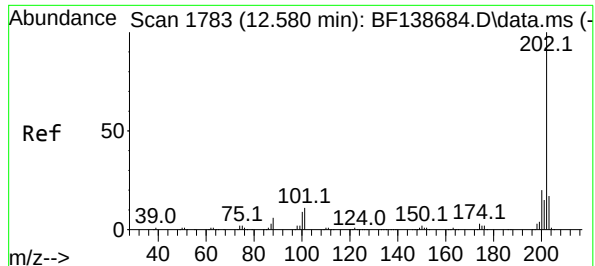
Tgt Ion:167 Resp: 395675
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 13.3 10.6 16.0



#74
Di-n-butylphthalate
Concen: 40.293 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:149 Resp: 451011
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.1 4.1 6.1

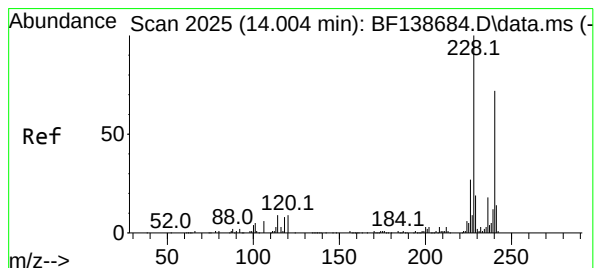
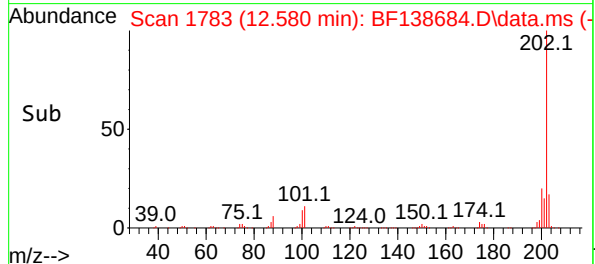
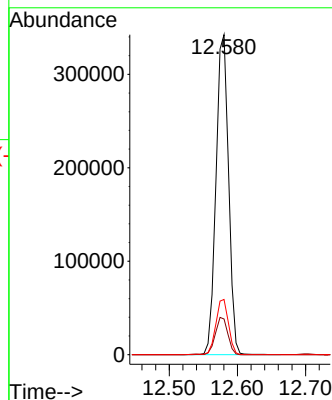
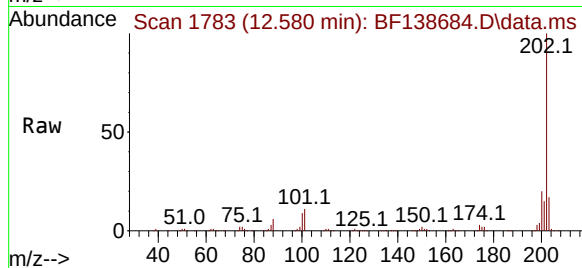




#75
Fluoranthene
Concen: 40.144 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

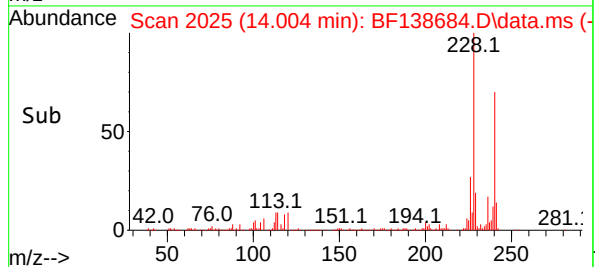
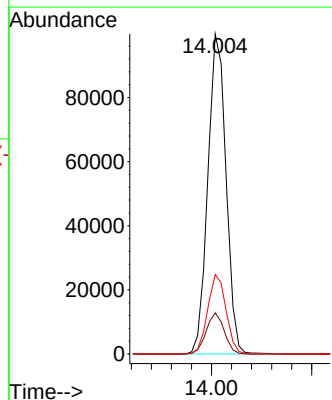
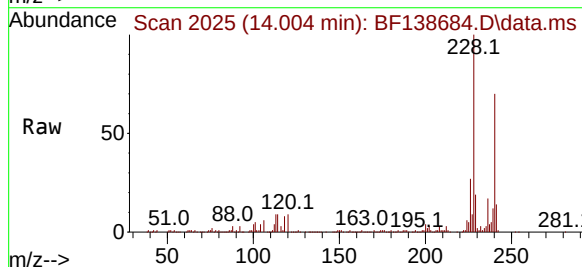
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

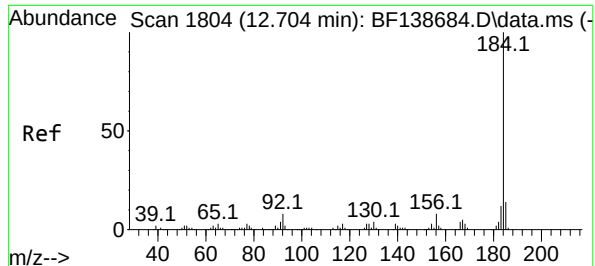
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.3	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.2	15.4
236	24.8	19.8	29.8

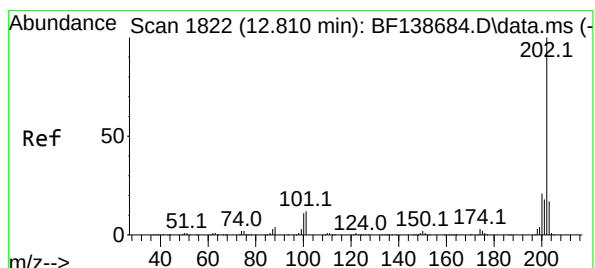
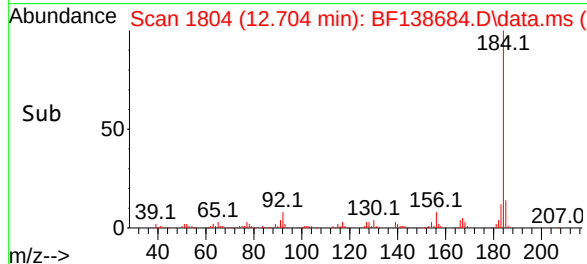
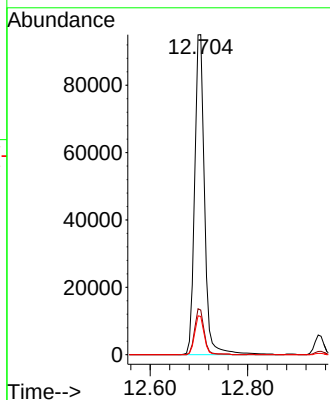
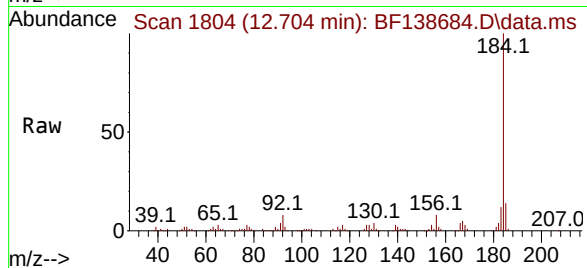




#77
Benzidine
Concen: 44.725 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

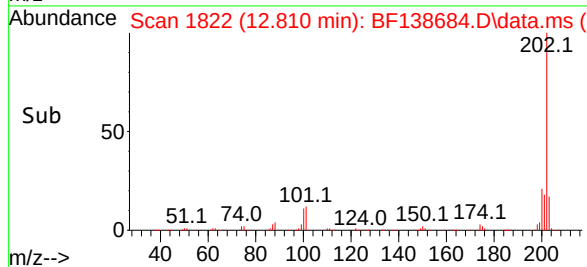
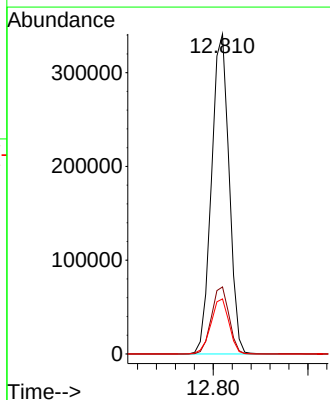
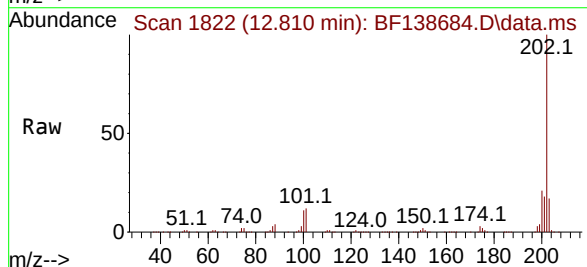
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

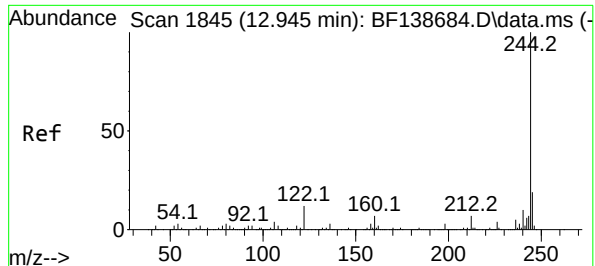
Tgt Ion:184 Resp: 134710
Ion Ratio Lower Upper
184 100
185 13.9 11.1 16.7
183 12.0 9.6 14.4



#78
Pyrene
Concen: 37.167 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:202 Resp: 440674
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 74.045 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

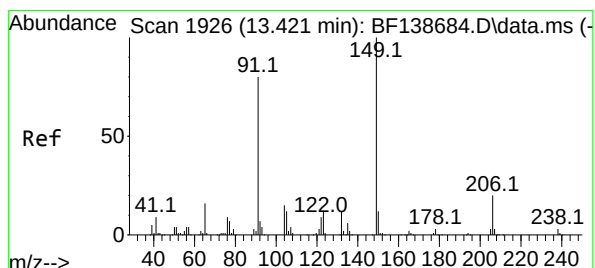
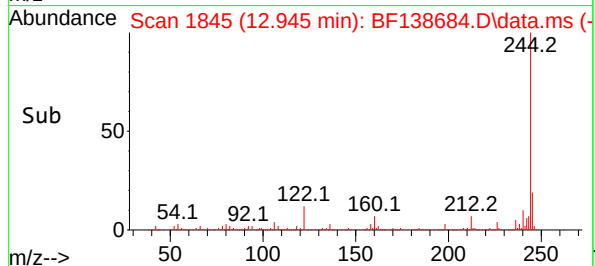
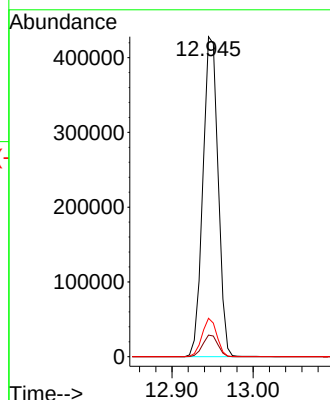
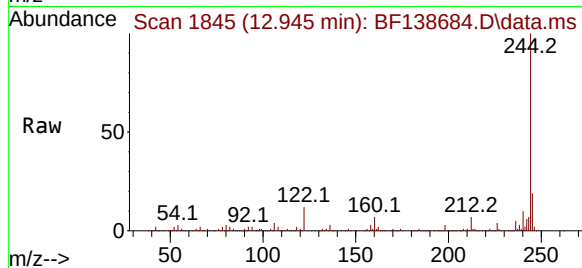
Tgt Ion:244 Resp: 556920

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 12.0 9.6 14.4



#80

Butylbenzylphthalate

Concen: 41.637 ng

RT: 13.421 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

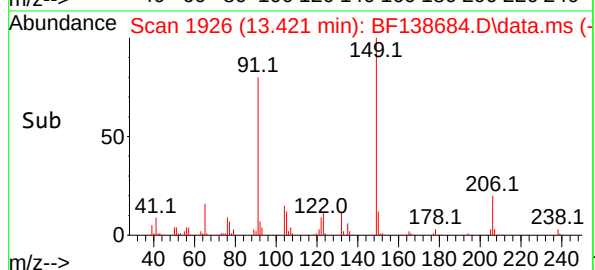
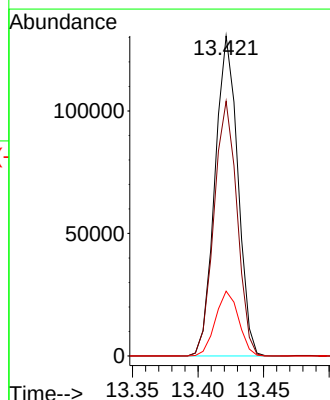
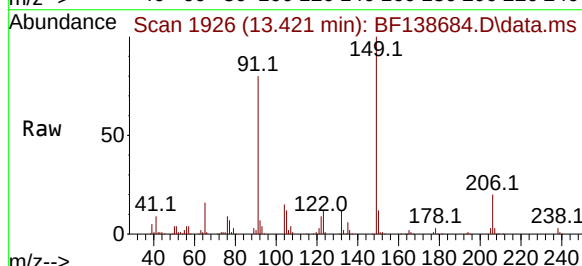
Tgt Ion:149 Resp: 158088

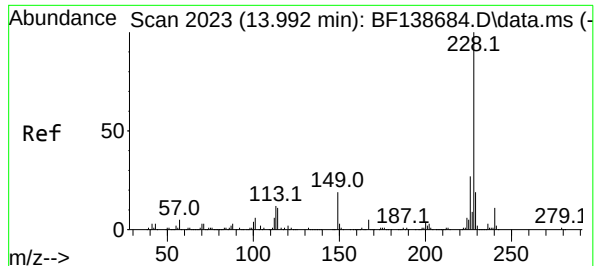
Ion Ratio Lower Upper

149 100

91 79.6 63.7 95.5

206 20.2 16.2 24.2

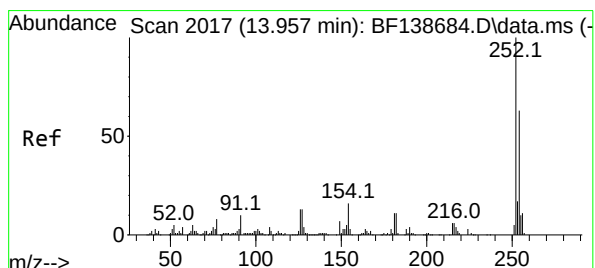
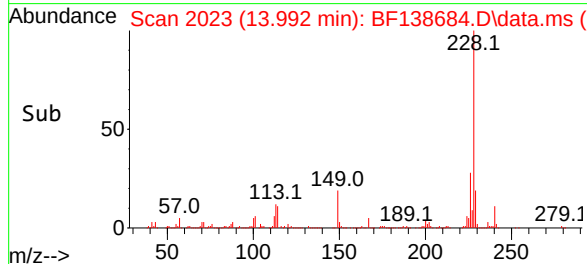
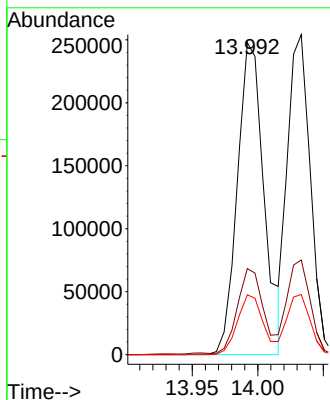
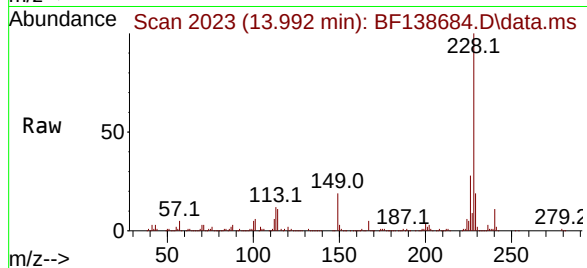




#81
Benzo(a)anthracene
Concen: 40.528 ng
RT: 13.992 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

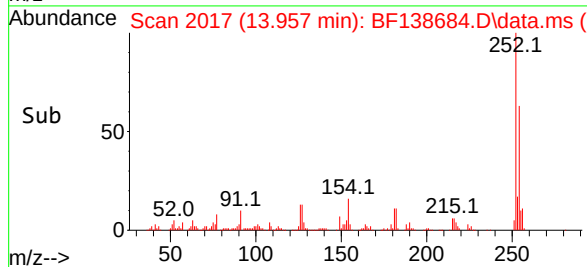
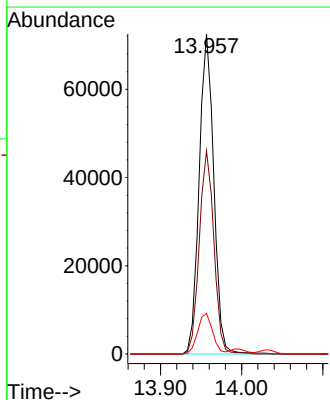
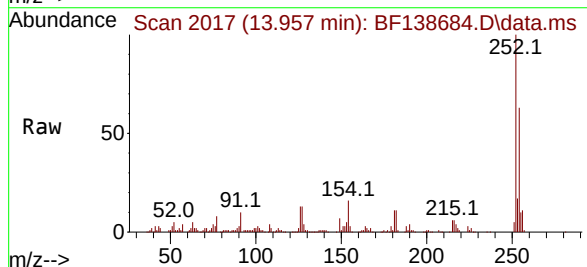
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

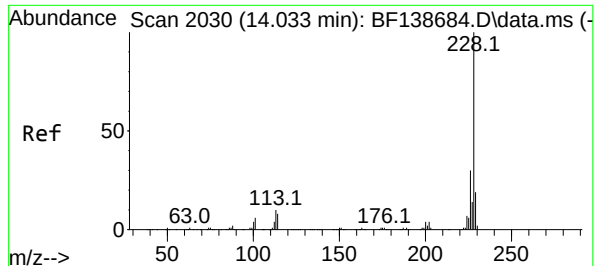
Tgt Ion:228 Resp: 351448
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 19.2 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 40.825 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:252 Resp: 90595
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 12.7 10.2 15.2





#83

Chrysene

Concen: 39.343 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

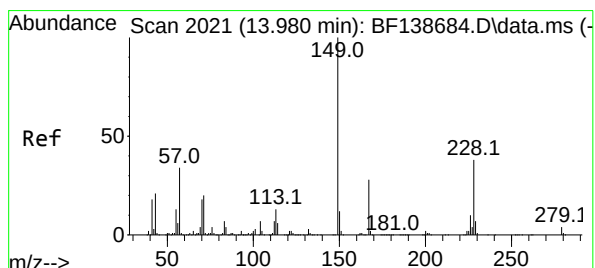
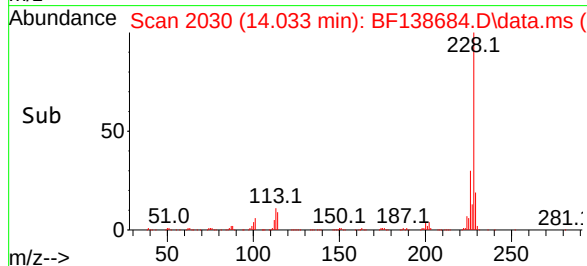
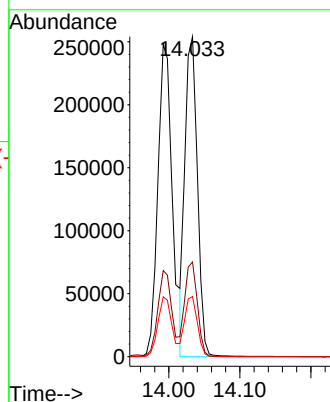
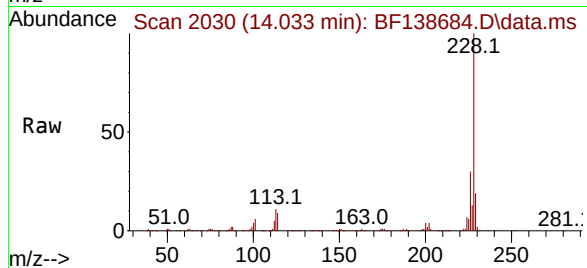
Tgt Ion:228 Resp: 307799

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 18.8 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.951 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

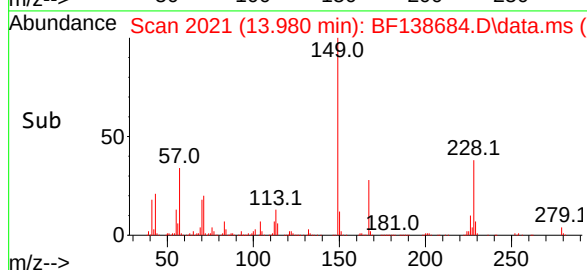
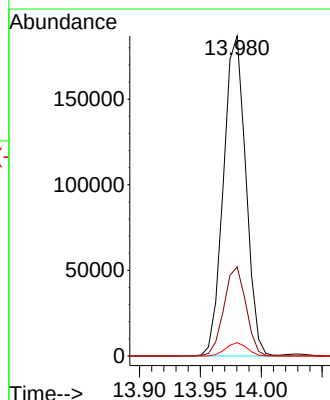
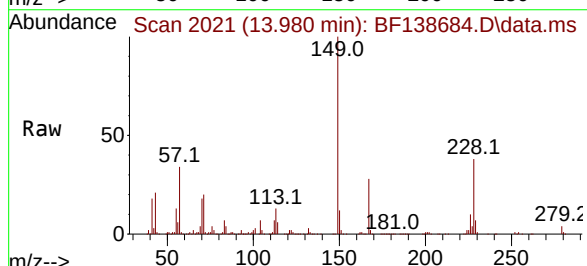
Tgt Ion:149 Resp: 238798

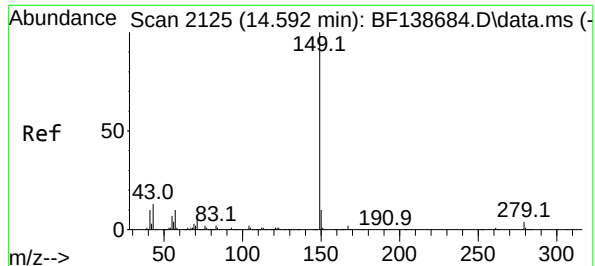
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 4.2 3.4 5.0

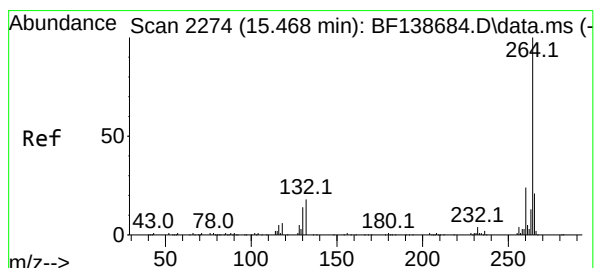
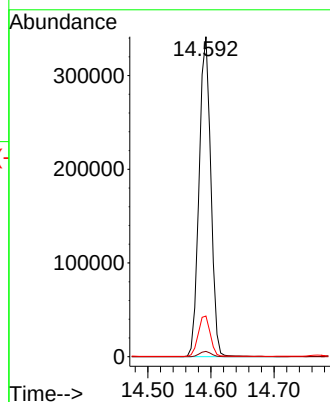
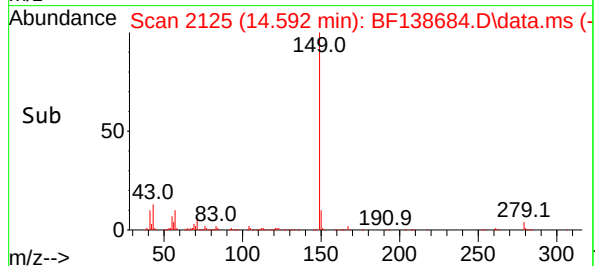
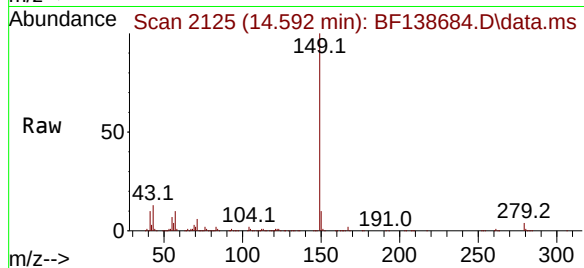




#85
Di-n-octyl phthalate
Concen: 42.690 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

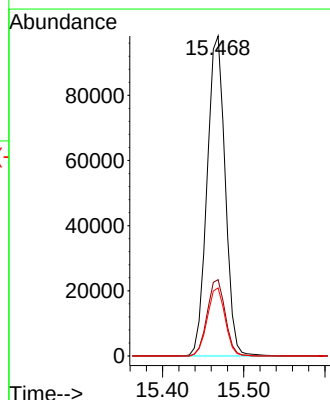
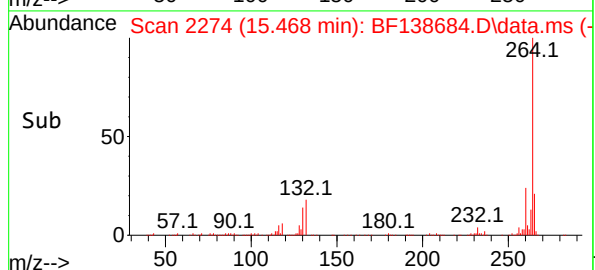
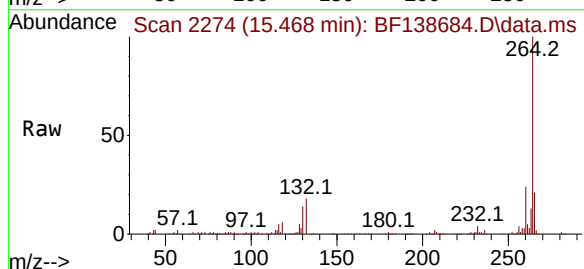
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

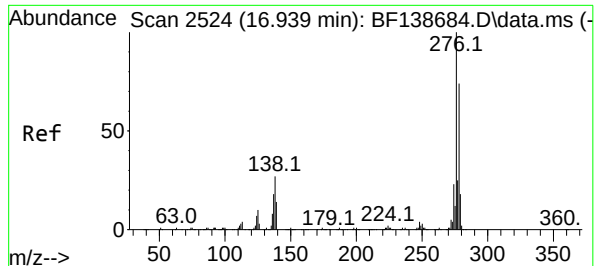
Tgt Ion:149 Resp: 439133
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 13.0 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:264 Resp: 151531
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 21.3 17.0 25.6

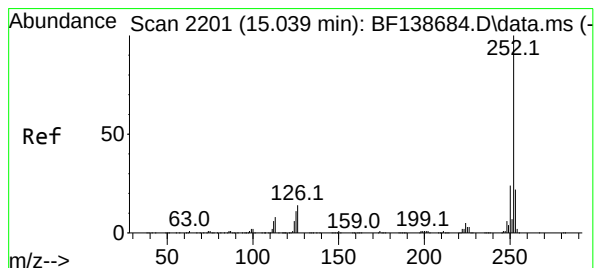
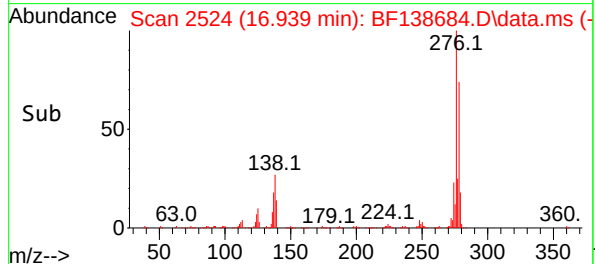
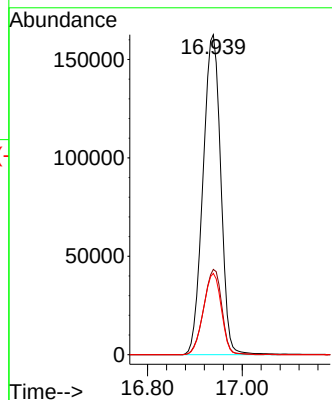
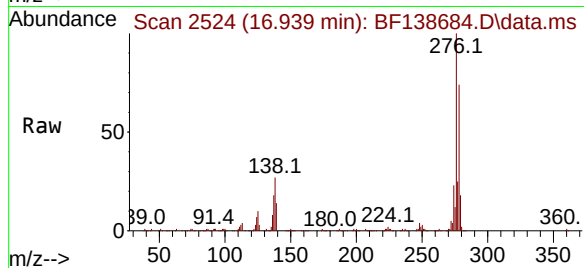




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.929 ng
RT: 16.939 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

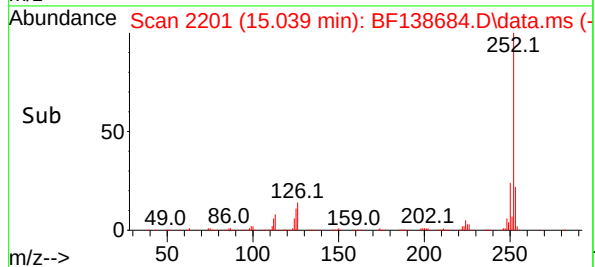
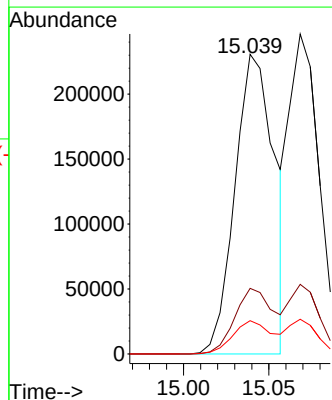
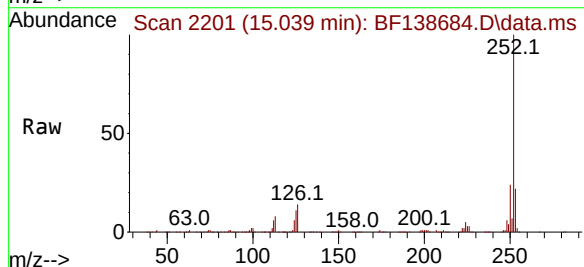
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

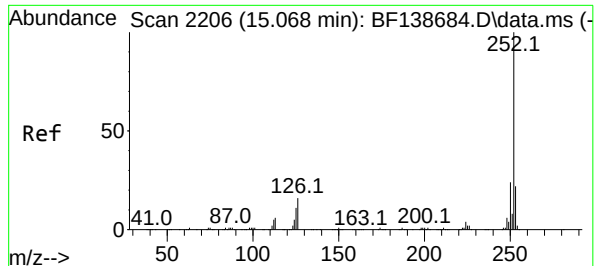
Tgt Ion:276 Resp: 422742
Ion Ratio Lower Upper
276 100
138 27.3 21.8 32.8
277 25.7 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 39.653 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:252 Resp: 372478
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 37.326 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

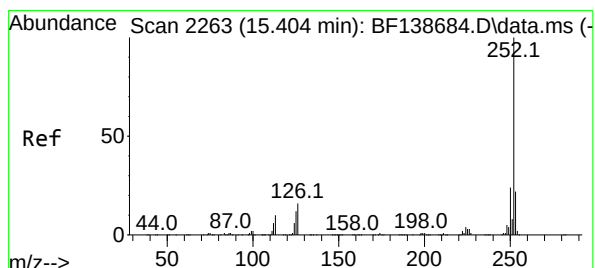
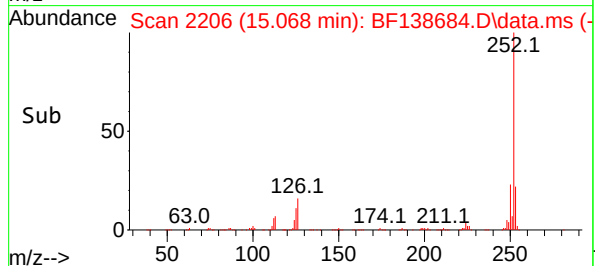
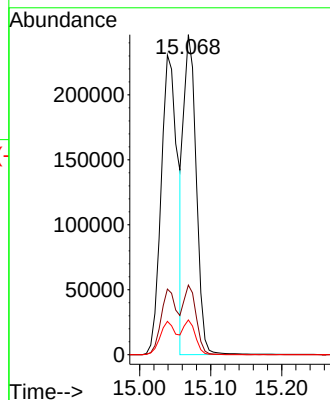
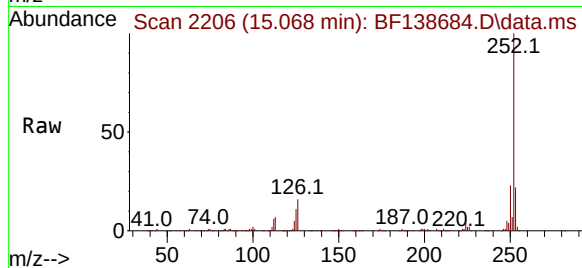
Tgt Ion:252 Resp: 303576

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.8 8.6 13.0



#90

Benzo(a)pyrene

Concen: 39.228 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

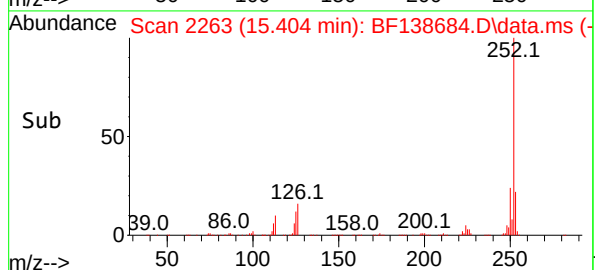
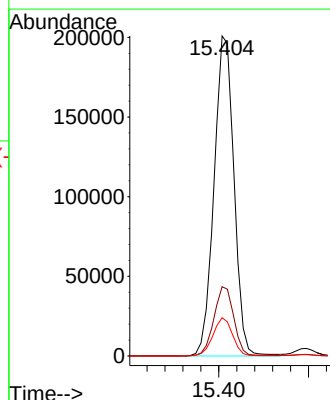
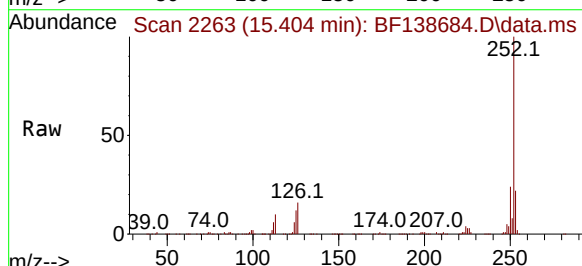
Tgt Ion:252 Resp: 309949

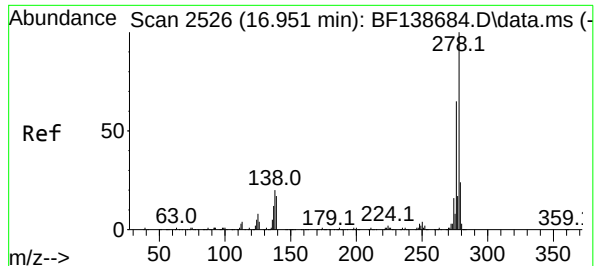
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 11.9 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 38.540 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

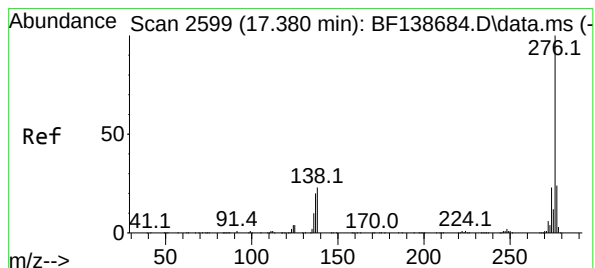
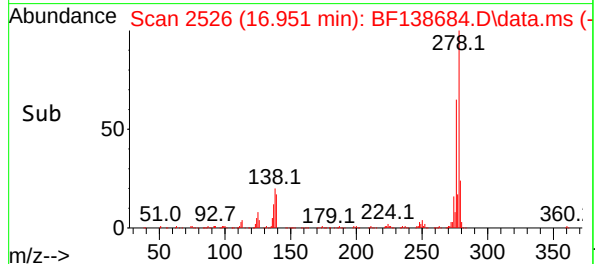
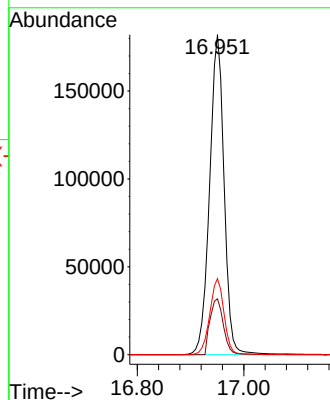
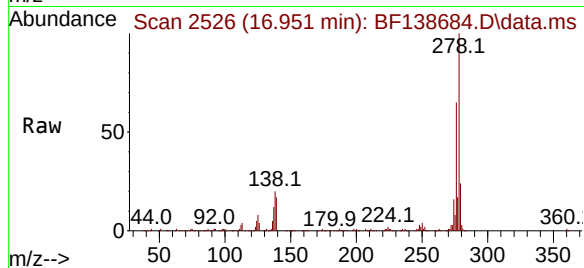
Tgt Ion:278 Resp: 343548

Ion Ratio Lower Upper

278 100

139 17.5 14.0 21.0

279 23.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 39.273 ng

RT: 17.380 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

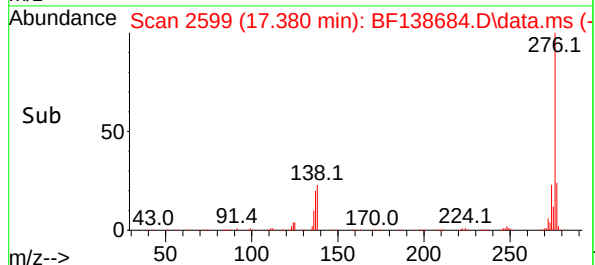
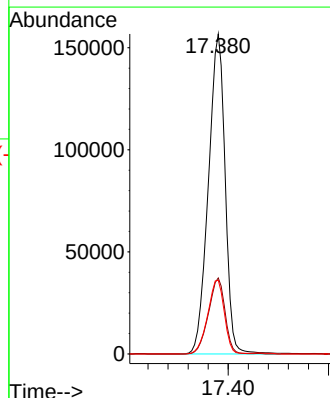
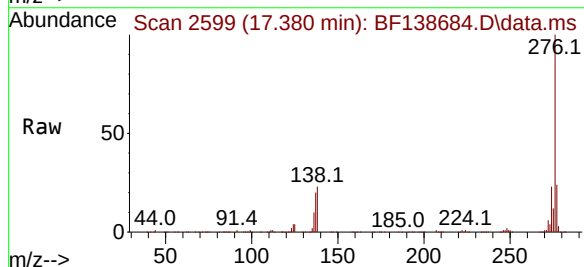
Tgt Ion:276 Resp: 363283

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 23.1 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138685.D
 Acq On : 30 Jul 2024 15:27
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jul 30 17:45:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	74850	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	297858	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	152426	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	237060	20.000	ng	0.00
76) Chrysene-d12	14.004	240	124208	20.000	ng	0.00
86) Perylene-d12	15.468	264	151751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	465439	95.989	ng	0.00
7) Phenol-d6	6.487	99	619012	95.084	ng	0.00
23) Nitrobenzene-d5	7.416	82	585266	96.067	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	119062	95.358	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	960645	94.693	ng	0.00
79) Terphenyl-d14	12.951	244	665833	89.751	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.587	88	104204	49.086	ng	98
3) Pyridine	3.340	79	258280	50.224	ng	98
4) n-Nitrosodimethylamine	3.299	42	150372	49.096	ng	97
6) Aniline	6.510	93	278162	47.911	ng	# 77
8) 2-Chlorophenol	6.634	128	244752	47.976	ng	97
9) Benzaldehyde	6.398	77	161301	41.333	ng	99
10) Phenol	6.504	94	325498	47.487	ng	90
11) bis(2-Chloroethyl)ether	6.587	93	252329	47.838	ng	99
12) 1,3-Dichlorobenzene	6.787	146	270376	47.346	ng	99
13) 1,4-Dichlorobenzene	6.863	146	277374	48.130	ng	99
14) 1,2-Dichlorobenzene	7.016	146	254151	47.188	ng	99
15) Benzyl Alcohol	6.992	79	227061	48.392	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	432504	47.646	ng	96
17) 2-Methylphenol	7.104	107	200680	47.638	ng	99
18) Hexachloroethane	7.357	117	103651	47.780	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	181478	46.154	ng	98
20) 3+4-Methylphenols	7.263	107	248467	45.970	ng	91
22) Acetophenone	7.257	105	340314	46.663	ng	99
24) Nitrobenzene	7.434	77	297595	48.005	ng	97
25) Isophorone	7.669	82	487636	46.876	ng	99
26) 2-Nitrophenol	7.745	139	130074	48.769	ng	99
27) 2,4-Dimethylphenol	7.787	122	154221	48.328	ng	100
28) bis(2-Chloroethoxy)met...	7.881	93	299695	47.308	ng	100
29) 2,4-Dichlorophenol	7.992	162	196641	47.954	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	226165	47.793	ng	98
31) Naphthalene	8.151	128	744393	47.479	ng	100
32) Benzoic acid	7.916	122	123714	49.340	ng	97
33) 4-Chloroaniline	8.204	127	250620	47.621	ng	98
34) Hexachlorobutadiene	8.263	225	138993	48.493	ng	98
35) Caprolactam	8.581	113	56708	46.347	ng	96
36) 4-Chloro-3-methylphenol	8.686	107	216280	46.151	ng	99
37) 2-Methylnaphthalene	8.839	142	461125	46.570	ng	100
38) 1-Methylnaphthalene	8.939	142	450948	46.476	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	206585	48.789	ng	99
41) Hexachlorocyclopentadiene	8.986	237	52700	49.894	ng	97
43) 2,4,6-Trichlorophenol	9.122	196	125832	48.741	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138685.D
 Acq On : 30 Jul 2024 15:27
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

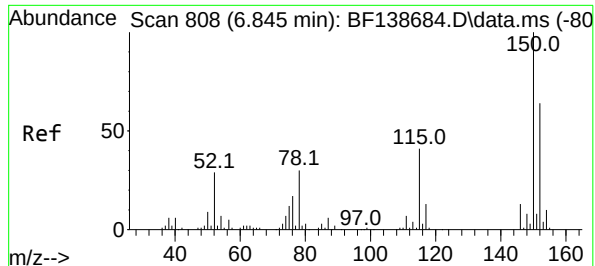
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	137518	48.726	ng	98
46) 1,1'-Biphenyl	9.304	154	574292	48.107	ng	100
47) 2-Chloronaphthalene	9.328	162	426264	48.011	ng	98
48) 2-Nitroaniline	9.428	65	144739	48.087	ng	99
49) Acenaphthylene	9.745	152	599464	47.605	ng	99
50) Dimethylphthalate	9.604	163	460459	47.244	ng	99
51) 2,6-Dinitrotoluene	9.669	165	105483	47.956	ng	96
52) Acenaphthene	9.916	154	399608	47.208	ng	100
53) 3-Nitroaniline	9.839	138	108951	47.915	ng	99
54) 2,4-Dinitrophenol	9.951	184	49980	49.361	ng	96
55) Dibenzofuran	10.086	168	565582	47.333	ng	99
56) 4-Nitrophenol	10.010	139	66924	48.943	ng	94
57) 2,4-Dinitrotoluene	10.075	165	130457	46.487	ng	95
58) Fluorene	10.433	166	444469	46.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	106594	49.402	ng	99
60) Diethylphthalate	10.304	149	424041	45.886	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	220930	47.209	ng	99
62) 4-Nitroaniline	10.451	138	101171	46.819	ng	100
63) Azobenzene	10.580	77	479859	46.818	ng	100
65) 4,6-Dinitro-2-methylph...	10.486	198	72667	50.244	ng	95
66) n-Nitrosodiphenylamine	10.539	169	359408	48.503	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	124874	48.653	ng	99
68) Hexachlorobenzene	10.975	284	126744	47.827	ng	99
69) Atrazine	11.063	200	90580	47.380	ng	98
70) Pentachlorophenol	11.175	266	61385	51.390	ng	99
71) Phenanthrene	11.392	178	575040	47.109	ng	100
72) Anthracene	11.445	178	571666	47.539	ng	99
73) Carbazole	11.598	167	480092	46.275	ng	99
74) Di-n-butylphthalate	11.927	149	559303	47.956	ng	99
75) Fluoranthene	12.580	202	533004	46.772	ng	99
77) Benzidine	12.704	184	145955	49.129	ng	99
78) Pyrene	12.810	202	525950	44.974	ng	99
80) Butylbenzylphthalate	13.421	149	193143	51.575	ng	99
81) Benzo(a)anthracene	13.998	228	419449	49.040	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	107444	49.088	ng	98
83) Chrysene	14.033	228	373417	48.391	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	293490	53.519	ng	99
85) Di-n-octyl phthalate	14.592	149	540838	53.306	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	533298	49.039	ng	99
88) Benzo(b)fluoranthene	15.045	252	447896	47.613	ng	99
89) Benzo(k)fluoranthene	15.074	252	402008	49.358	ng	99
90) Benzo(a)pyrene	15.410	252	389298	49.199	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	432604	48.460	ng	99
92) Benzo(g,h,i)perylene	17.386	276	453886	48.997	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

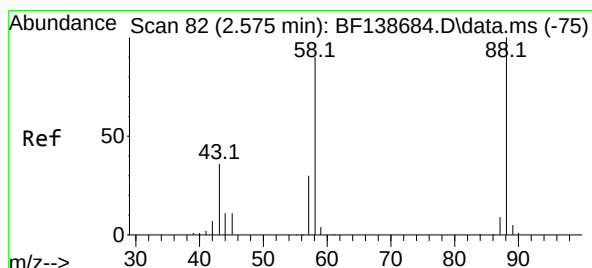
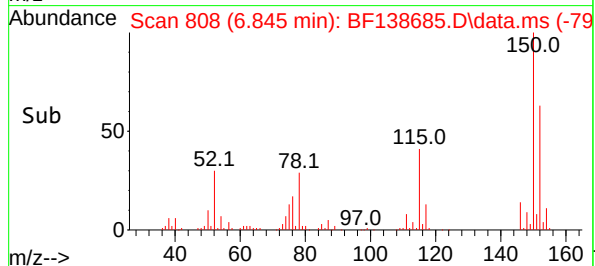
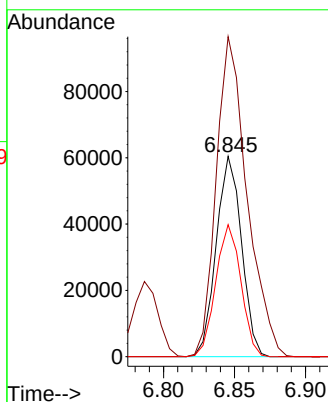
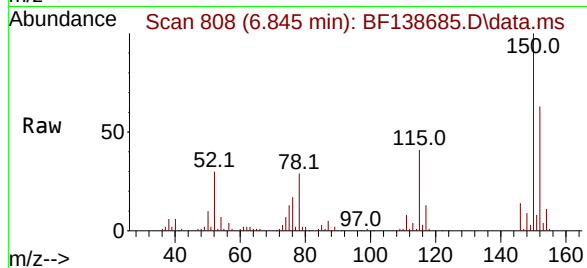
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

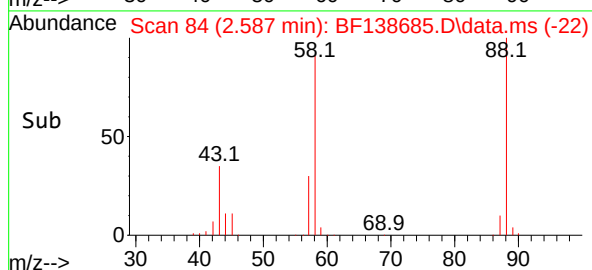
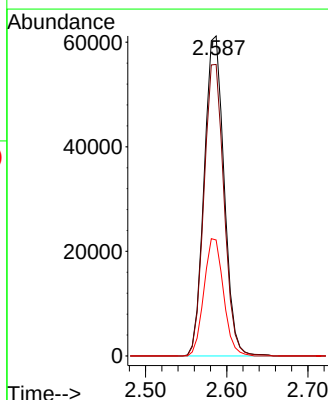
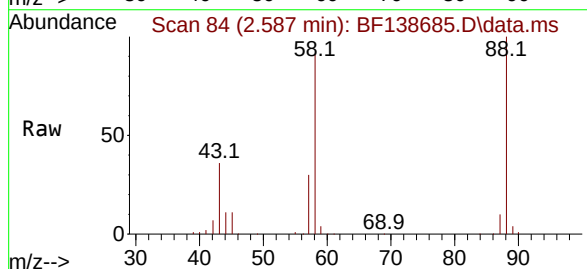
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

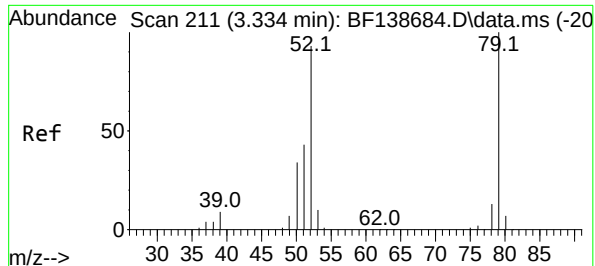
Tgt Ion:152 Resp: 74850
Ion Ratio Lower Upper
152 100
150 159.8 126.0 189.0
115 65.9 51.7 77.5



#2
1,4-Dioxane
Concen: 49.086 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 88 Resp: 104204
Ion Ratio Lower Upper
88 100
58 91.5 71.6 107.4
43 36.1 28.7 43.1





#3

Pyridine

Concen: 50.224 ng

RT: 3.340 min Scan# 211

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

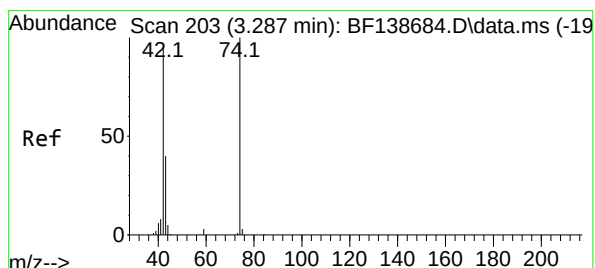
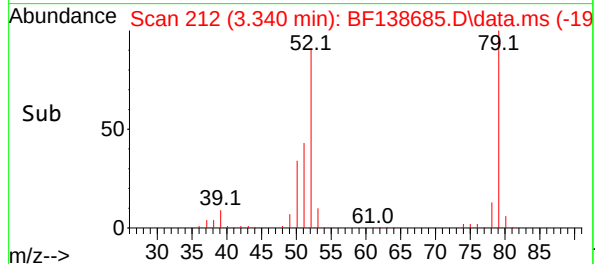
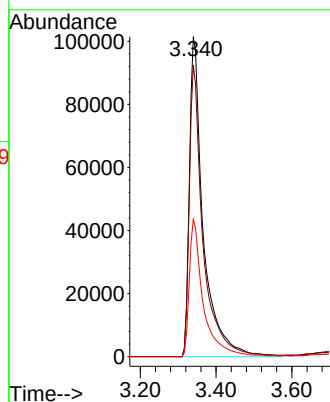
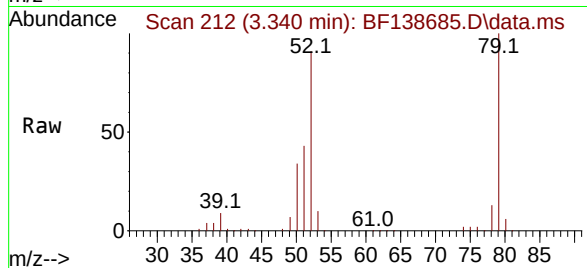
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 258280

Ion	Ratio	Lower	Upper
79	100		
52	91.0	74.7	112.1
51	42.9	34.6	51.8



#4

n-Nitrosodimethylamine

Concen: 49.096 ng

RT: 3.299 min Scan# 205

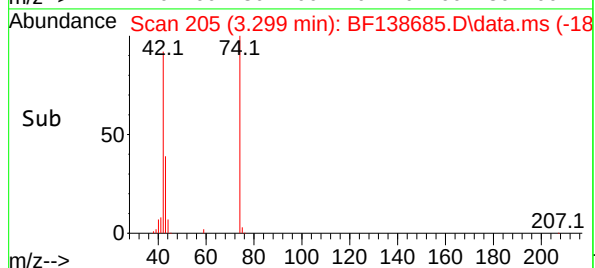
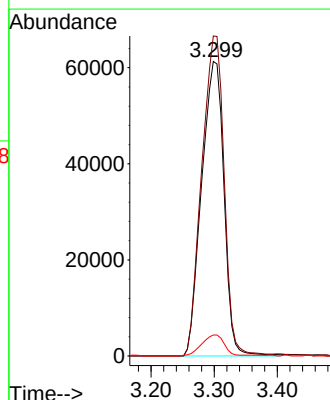
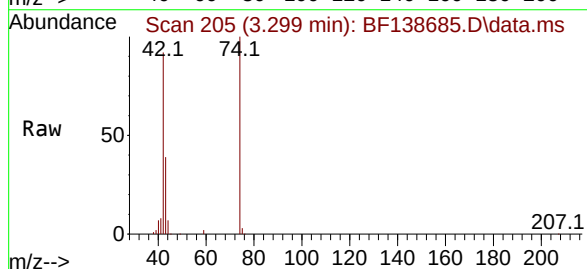
Delta R.T. 0.012 min

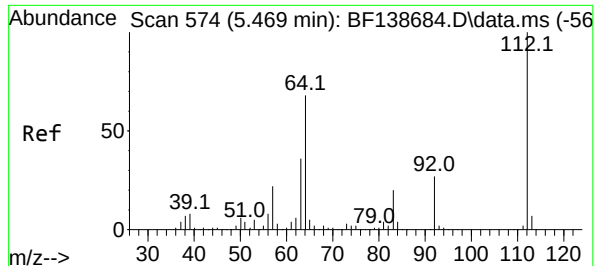
Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Tgt Ion: 42 Resp: 150372

Ion	Ratio	Lower	Upper
42	100		
74	108.7	84.2	126.4
44	7.1	4.9	7.3





#5

2-Fluorophenol

Concen: 95.989 ng

RT: 5.469 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

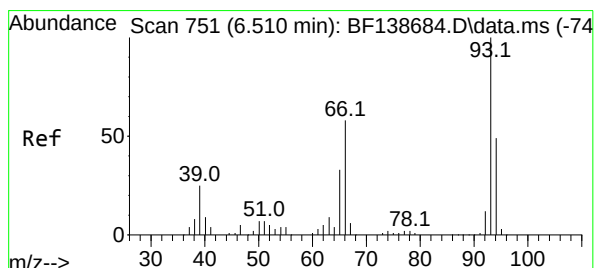
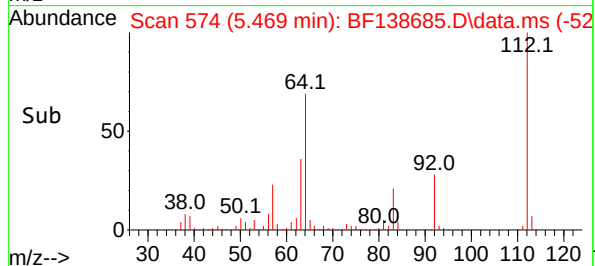
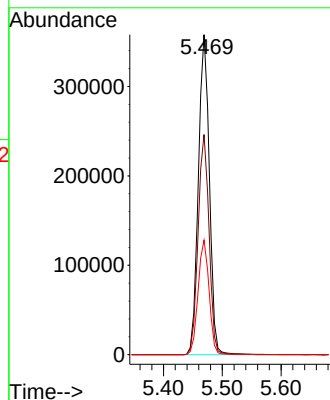
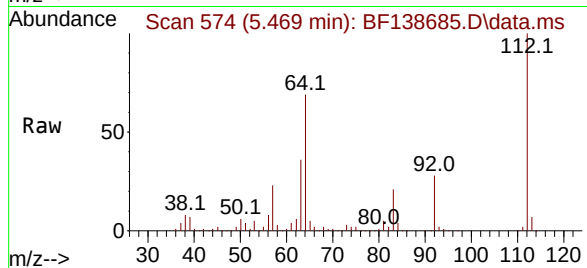
Tgt Ion:112 Resp: 465439

Ion Ratio Lower Upper

112 100

64 68.8 54.2 81.4

63 35.8 28.7 43.1



#6

Aniline

Concen: 47.911 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

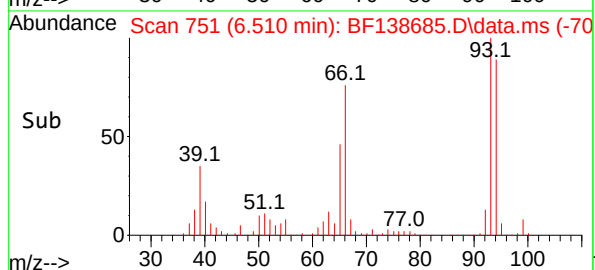
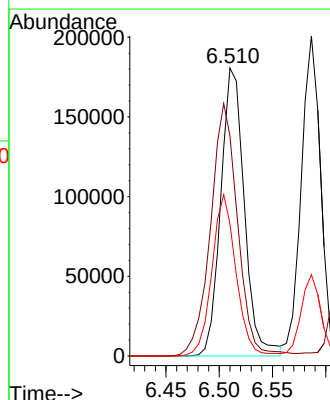
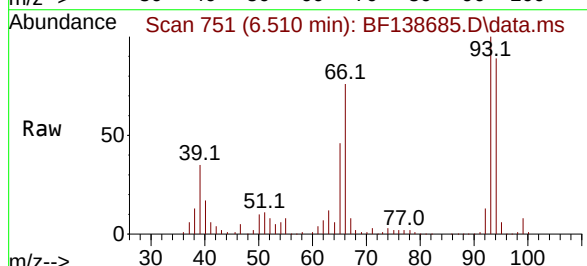
Tgt Ion: 93 Resp: 278162

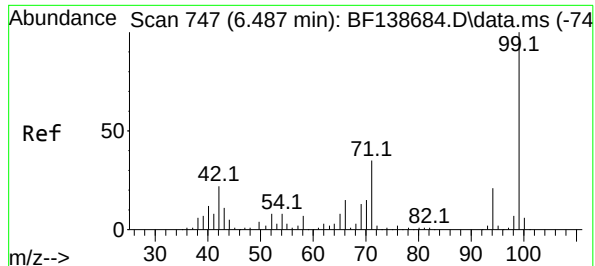
Ion Ratio Lower Upper

93 100

66 76.5 46.9 70.3#

65 45.9 26.5 39.7#





#7

Phenol-d6

Concen: 95.084 ng

RT: 6.487 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

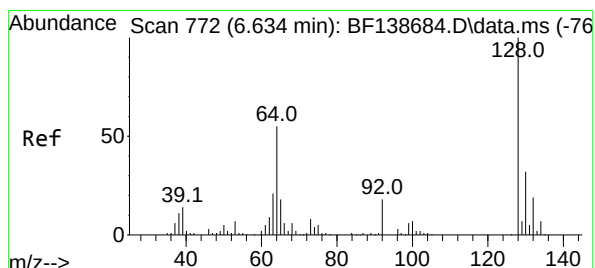
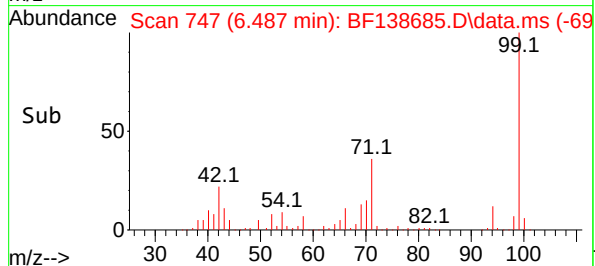
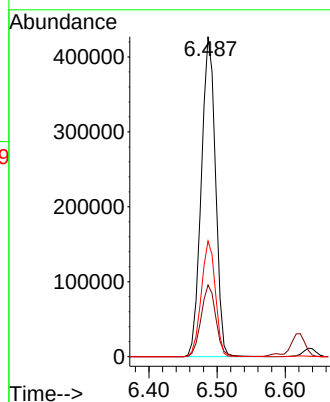
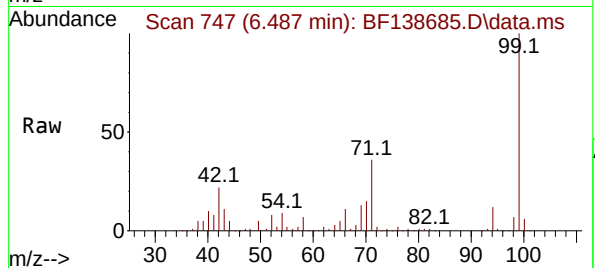
Tgt Ion: 99 Resp: 619012

Ion Ratio Lower Upper

99 100

42 22.4 17.4 26.0

71 36.2 28.1 42.1



#8

2-Chlorophenol

Concen: 47.976 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

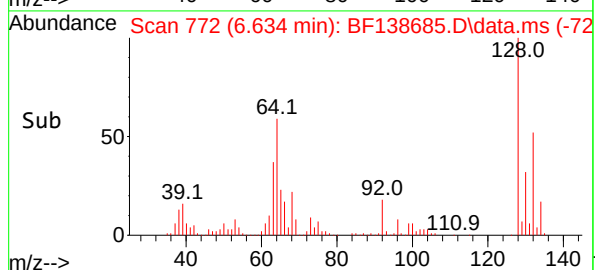
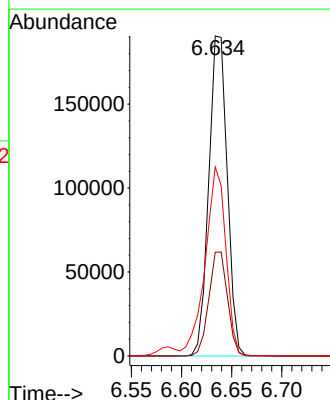
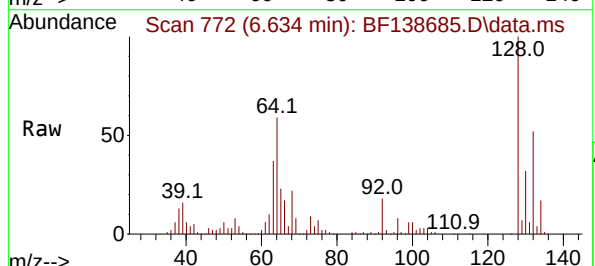
Tgt Ion: 128 Resp: 244752

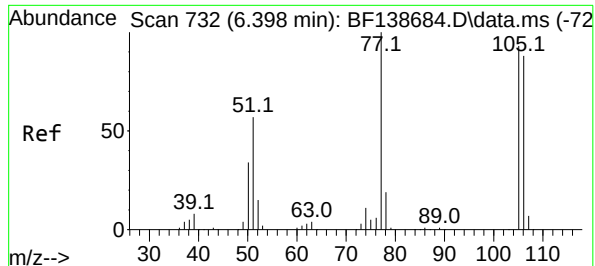
Ion Ratio Lower Upper

128 100

130 32.4 12.0 52.0

64 59.1 36.3 76.3





#9

Benzaldehyde

Concen: 41.333 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

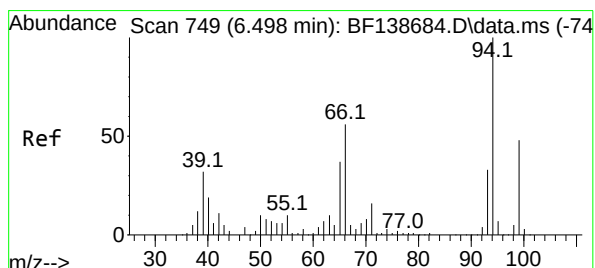
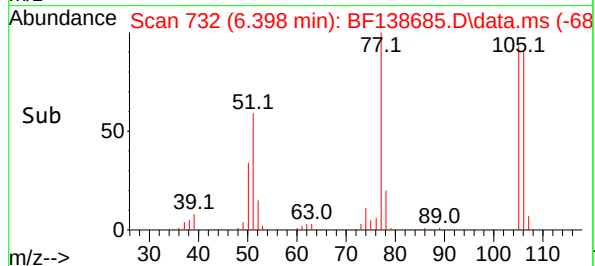
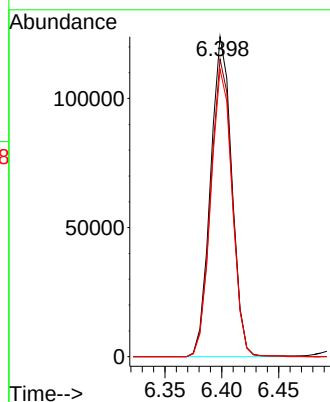
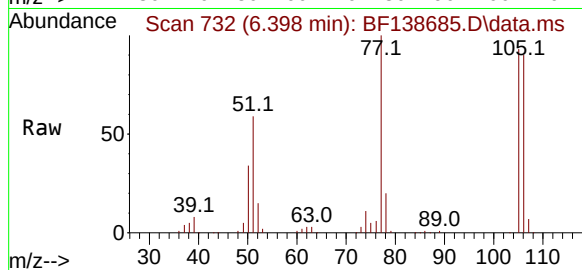
Tgt Ion: 77 Resp: 161301

Ion Ratio Lower Upper

77 100

105 93.0 72.9 112.9

106 89.8 68.4 108.4



#10

Phenol

Concen: 47.487 ng

RT: 6.504 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

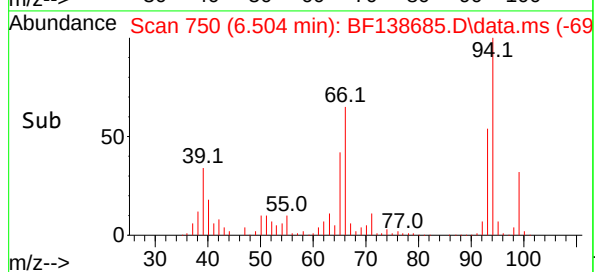
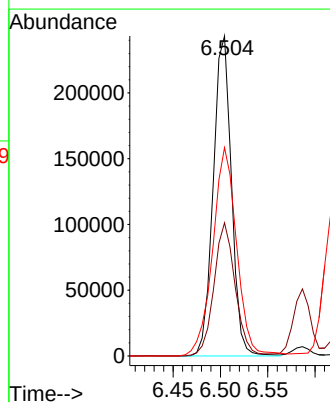
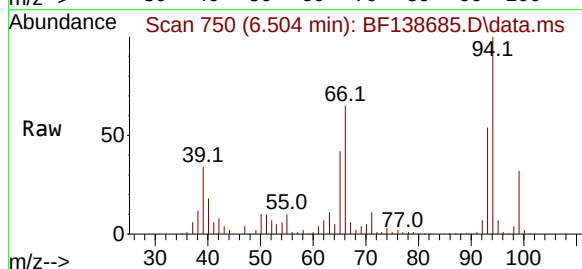
Tgt Ion: 94 Resp: 325498

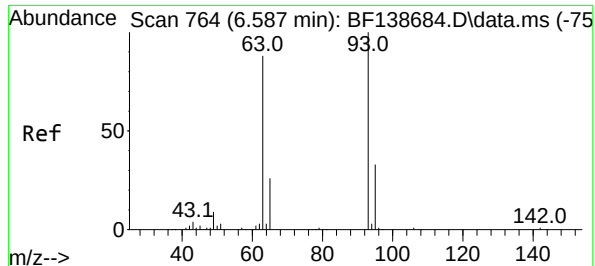
Ion Ratio Lower Upper

94 100

65 41.6 16.9 56.9

66 65.1 36.5 76.5

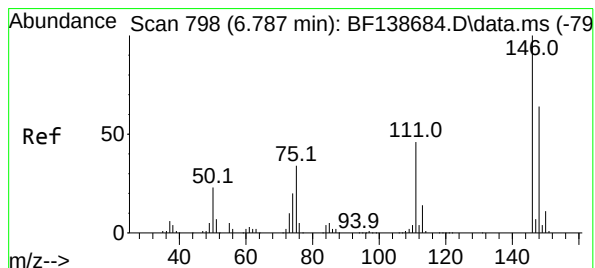
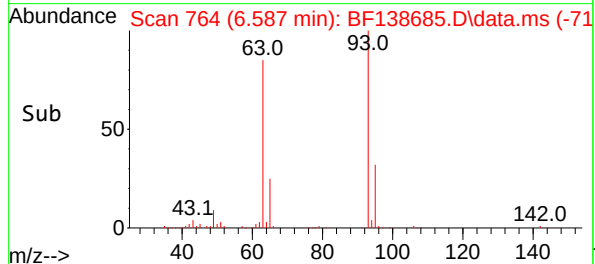
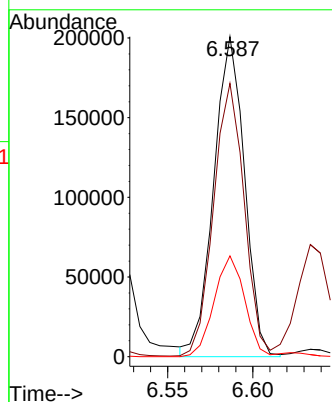
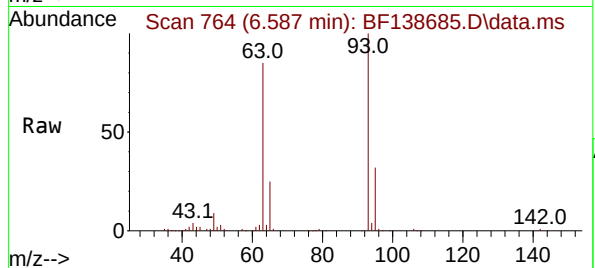




#11
bis(2-Chloroethyl)ether
Concen: 47.838 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

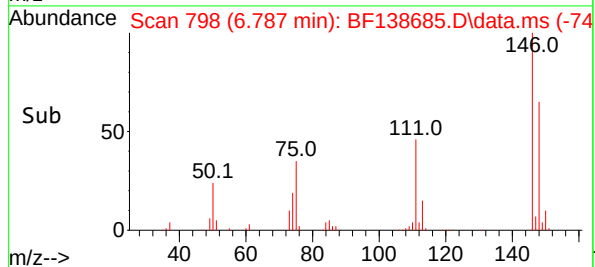
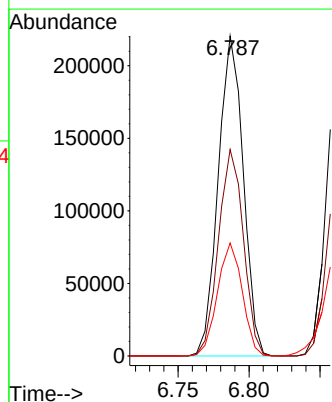
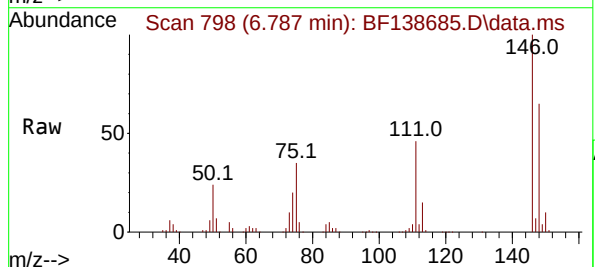
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

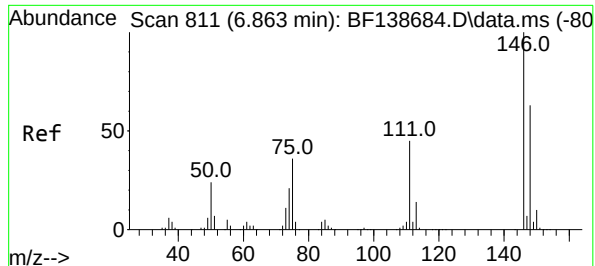
Tgt Ion: 93 Resp: 252329
Ion Ratio Lower Upper
93 100
63 85.4 65.3 105.3
95 31.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 47.346 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 146 Resp: 270376
Ion Ratio Lower Upper
146 100
148 64.5 51.2 76.8
75 35.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 48.130 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

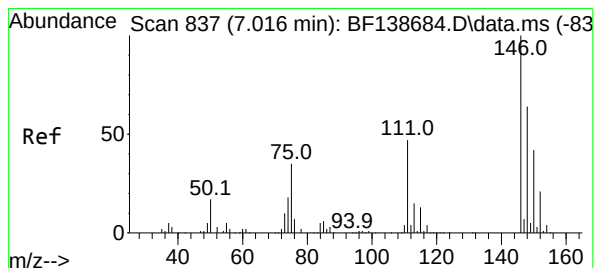
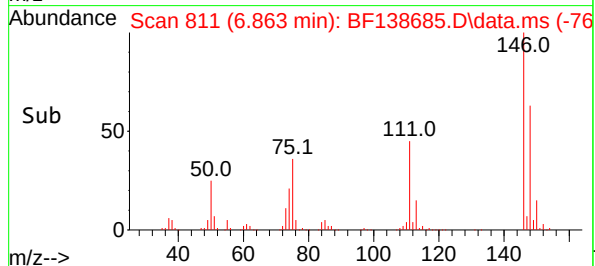
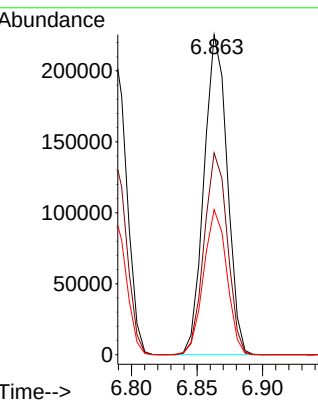
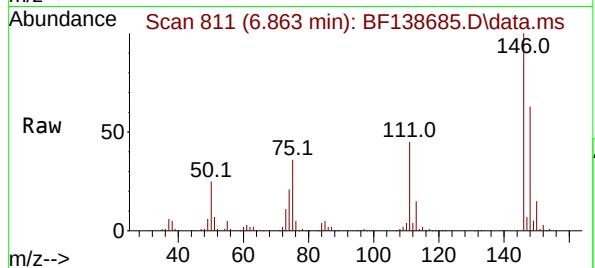
Tgt Ion:146 Resp: 277374

Ion Ratio Lower Upper

146 100

148 63.1 50.2 75.2

111 45.4 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 47.188 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

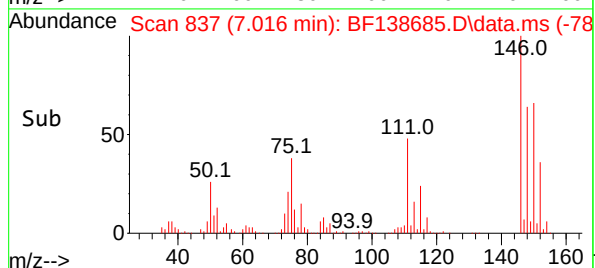
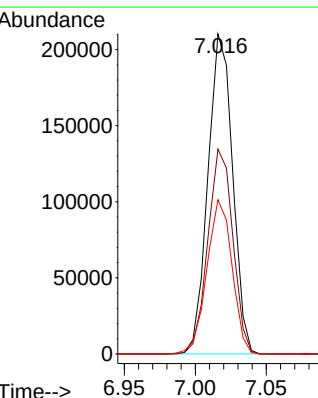
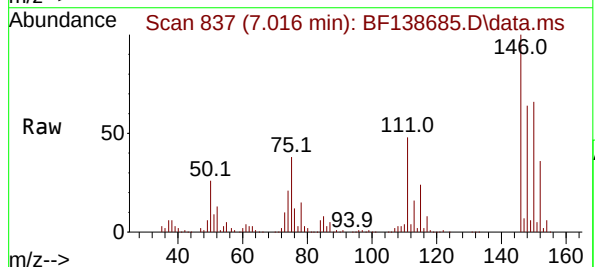
Tgt Ion:146 Resp: 254151

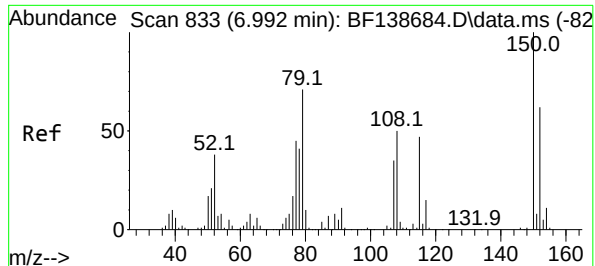
Ion Ratio Lower Upper

146 100

148 64.0 50.8 76.2

111 48.2 37.4 56.2

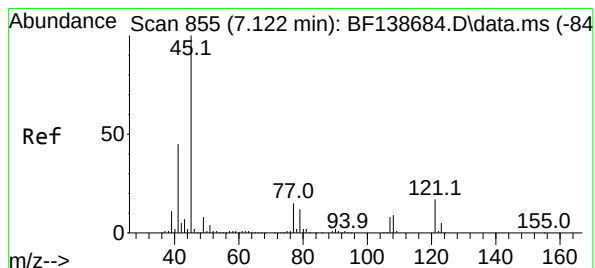
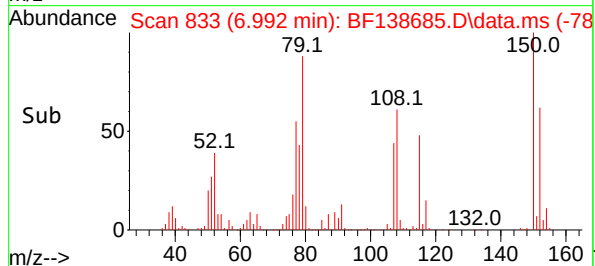
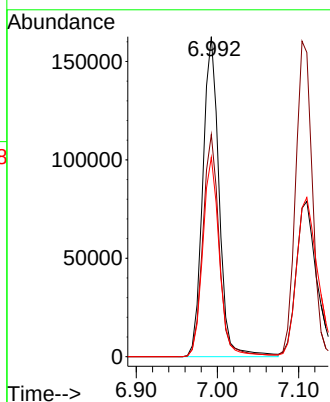
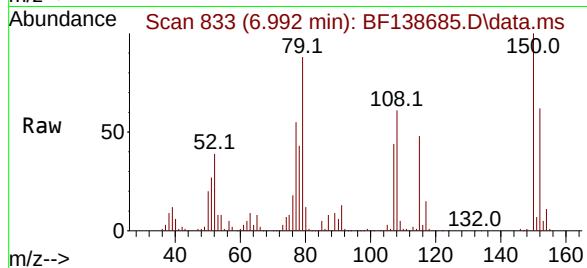




#15
Benzyl Alcohol
Concen: 48.392 ng
RT: 6.992 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

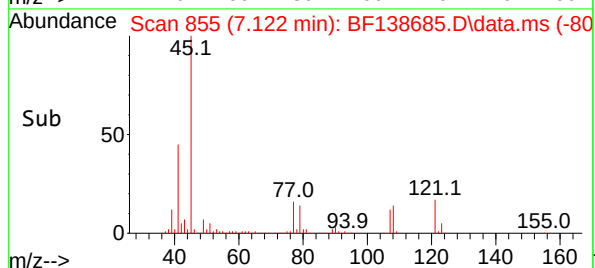
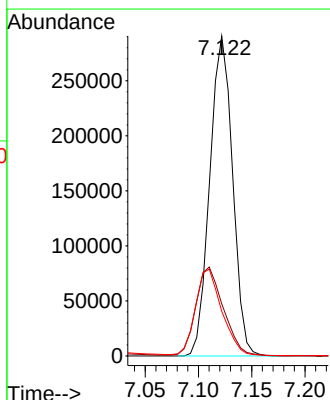
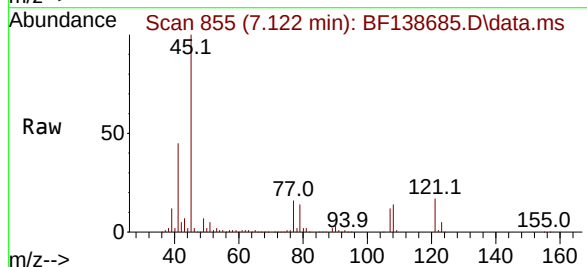
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

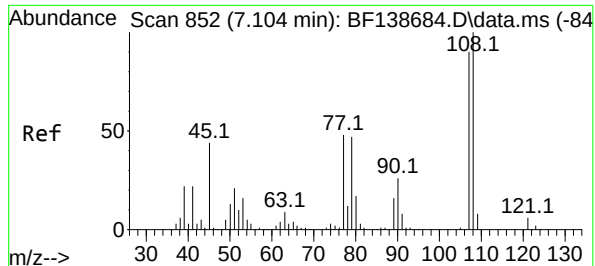
Tgt Ion: 79 Resp: 227061
Ion Ratio Lower Upper
79 100
108 69.4 56.6 85.0
77 62.3 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.646 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 45 Resp: 432504
Ion Ratio Lower Upper
45 100
77 16.3 0.0 34.9
79 13.9 0.0 32.2

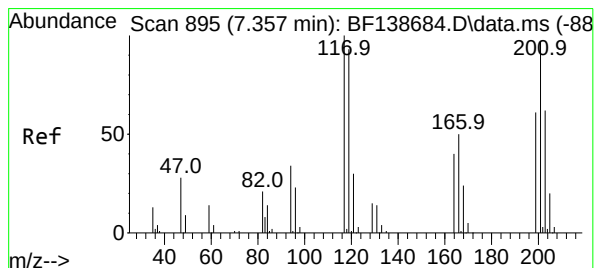
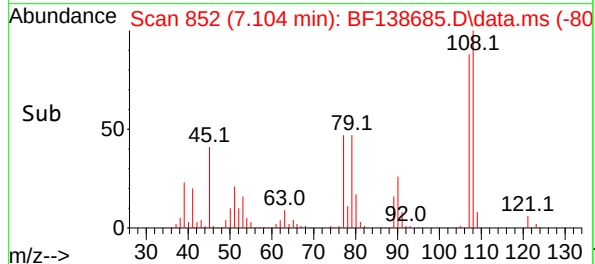
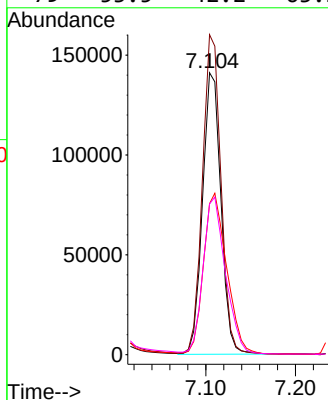
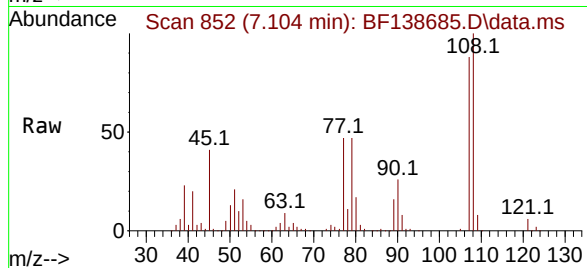




#17
2-Methylphenol
Concen: 47.638 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

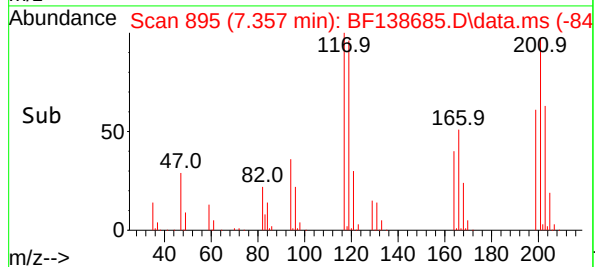
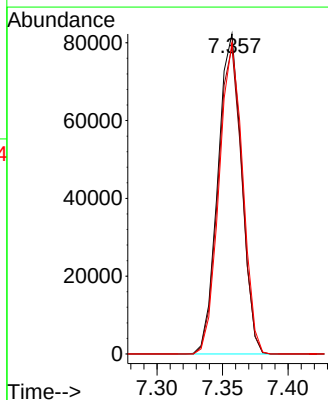
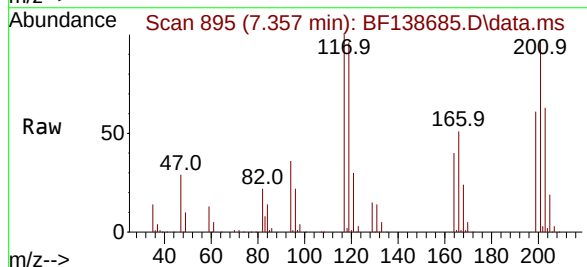
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

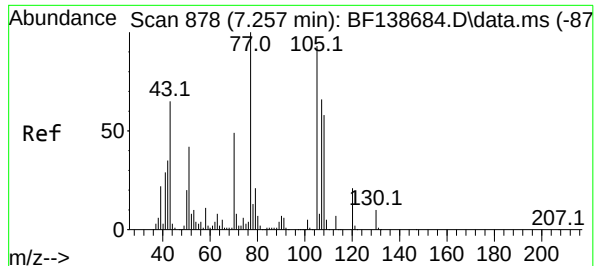
Tgt Ion:107 Resp: 200680
Ion Ratio Lower Upper
107 100
108 113.5 89.2 133.8
77 53.6 43.0 64.4
79 53.5 42.2 63.2



#18
Hexachloroethane
Concen: 47.780 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:117 Resp: 103651
Ion Ratio Lower Upper
117 100
119 96.0 74.6 111.8
201 97.3 77.2 115.8

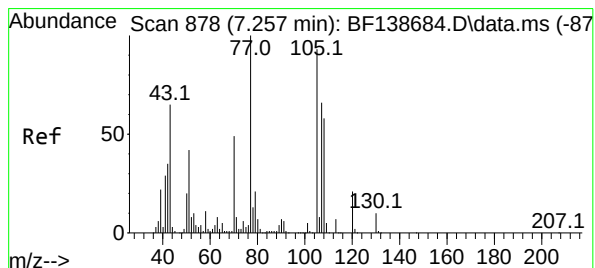
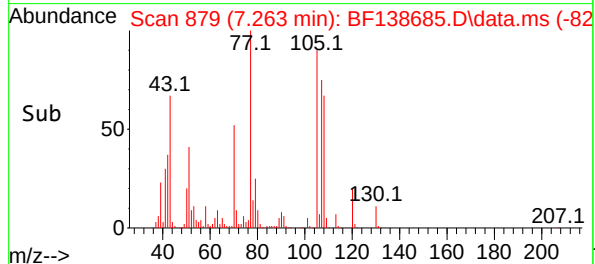
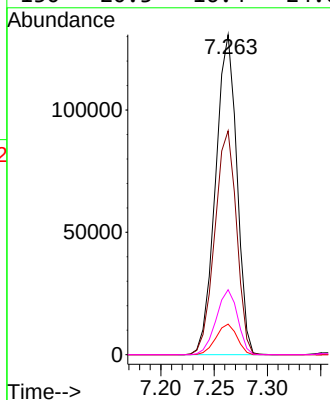
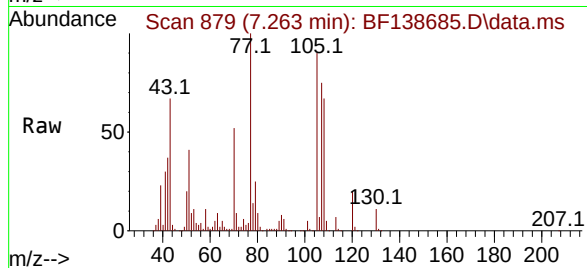




#19
n-Nitroso-di-n-propylamine
Concen: 46.154 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

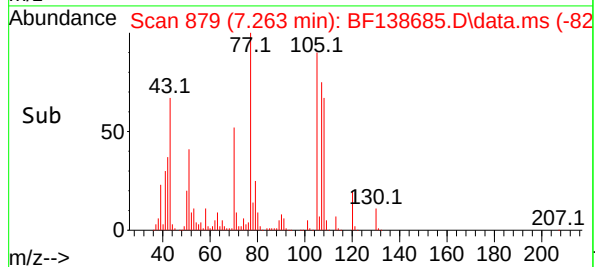
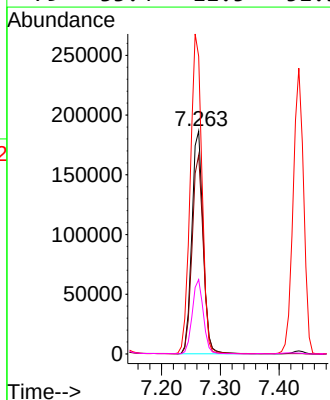
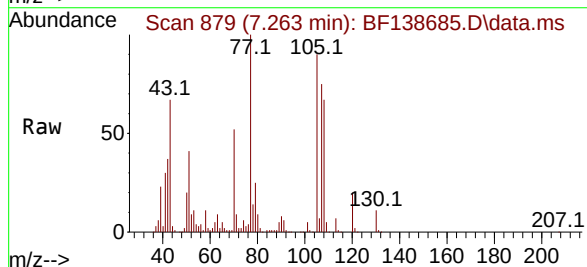
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

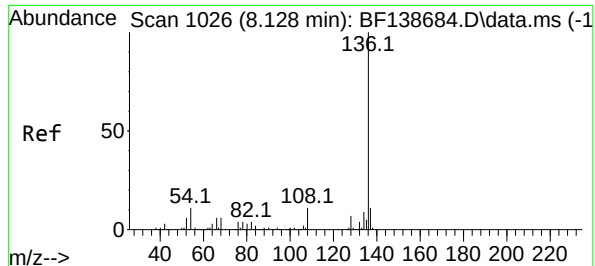
Tgt Ion: 70 Resp: 181478
Ion Ratio Lower Upper
70 100
42 69.9 57.4 86.0
101 9.6 7.5 11.3
130 20.3 16.4 24.6



#20
3+4-Methylphenols
Concen: 45.970 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 107 Resp: 248467
Ion Ratio Lower Upper
107 100
108 89.3 68.2 108.2
77 133.6 132.1 172.1
79 33.4 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 297858

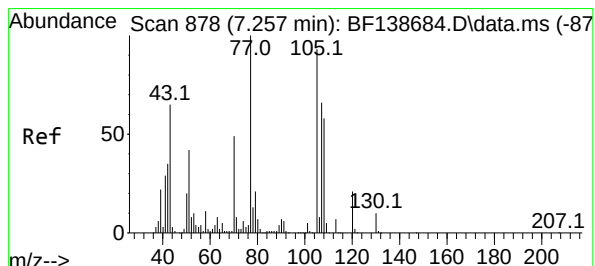
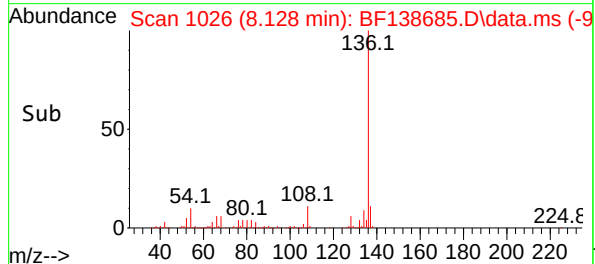
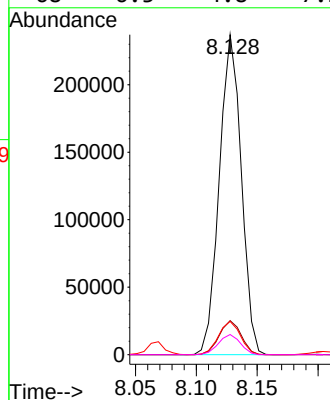
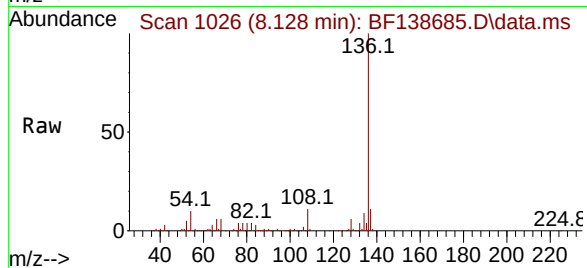
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 10.4 8.6 12.8

68 6.3 4.8 7.2



#22

Acetophenone

Concen: 46.663 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Tgt Ion:105 Resp: 340314

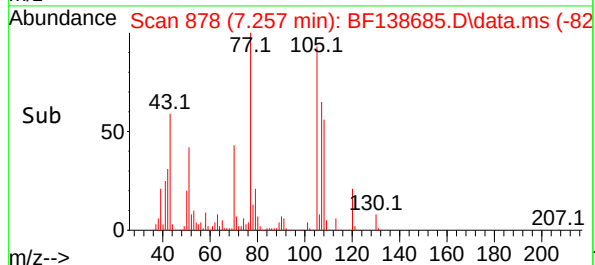
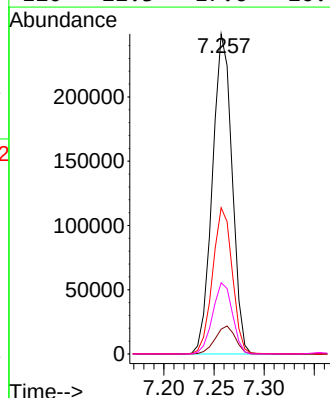
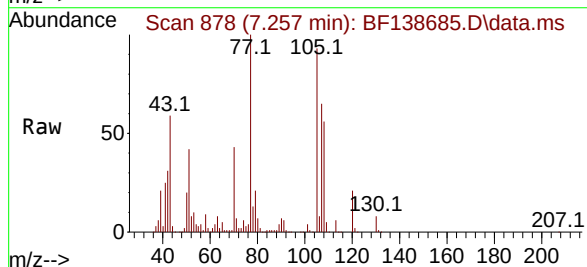
Ion Ratio Lower Upper

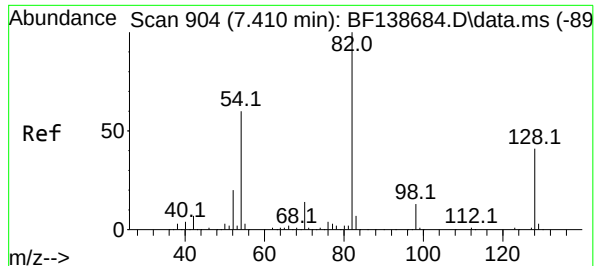
105 100

71 7.7 7.2 10.8

51 45.7 35.9 53.9

120 22.3 17.6 26.4





#23

Nitrobenzene-d5

Concen: 96.067 ng

RT: 7.416 min Scan# 904

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

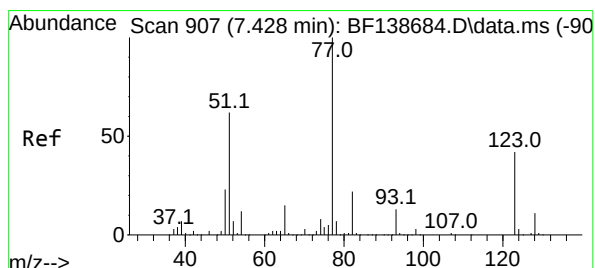
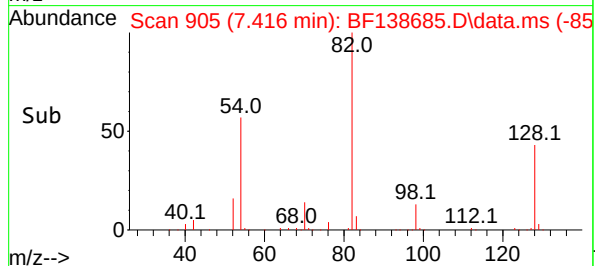
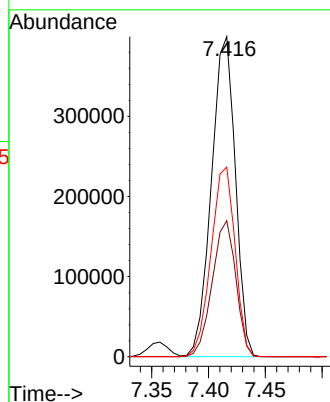
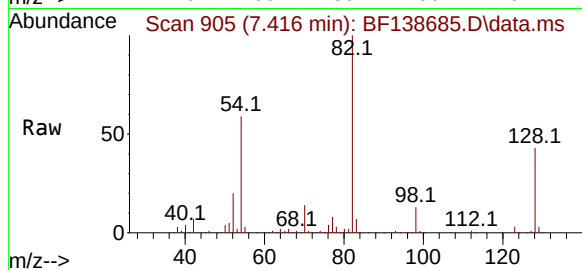
Tgt Ion: 82 Resp: 585266

Ion Ratio Lower Upper

82 100

128 42.5 32.8 49.2

54 59.3 48.3 72.5



#24

Nitrobenzene

Concen: 48.005 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

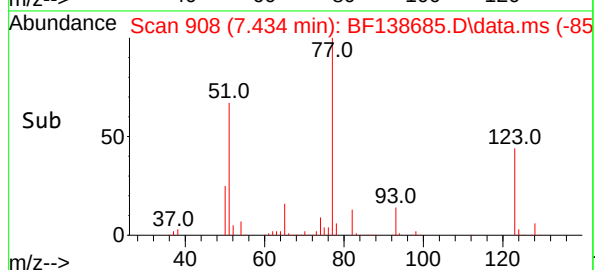
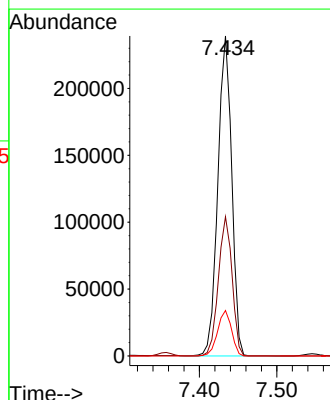
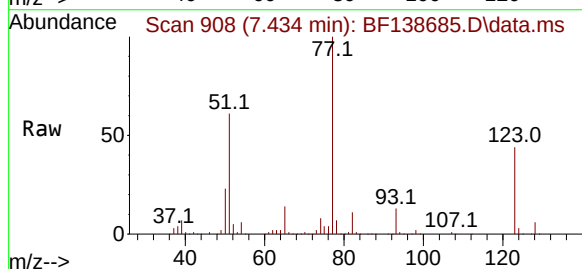
Tgt Ion: 77 Resp: 297595

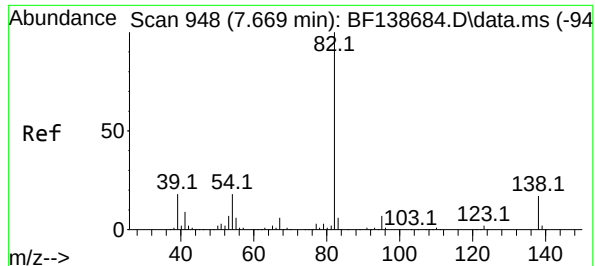
Ion Ratio Lower Upper

77 100

123 43.5 33.3 49.9

65 14.2 11.9 17.9





#25

Isophorone

Concen: 46.876 ng

RT: 7.669 min Scan# 948

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

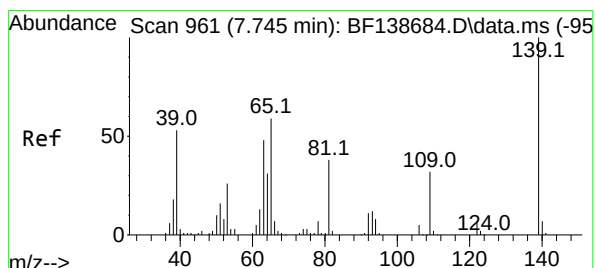
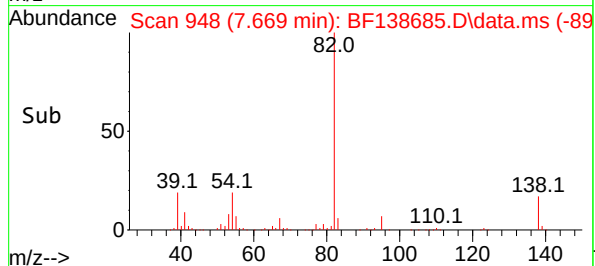
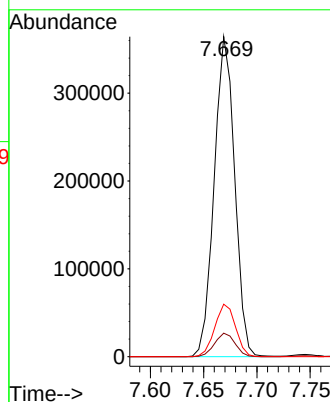
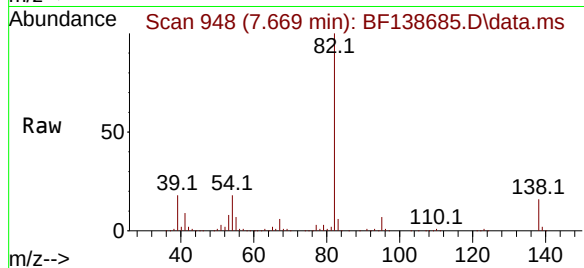
Tgt Ion: 82 Resp: 487636

Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

138 16.4 13.7 20.5



#26

2-Nitrophenol

Concen: 48.769 ng

RT: 7.745 min Scan# 961

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

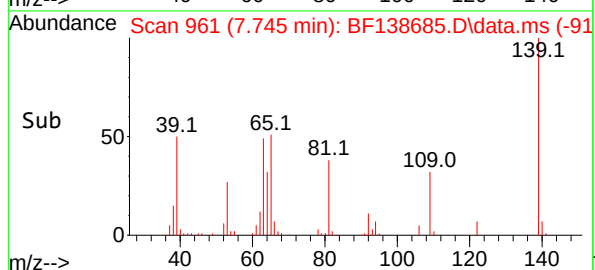
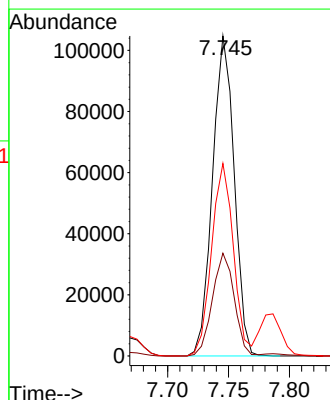
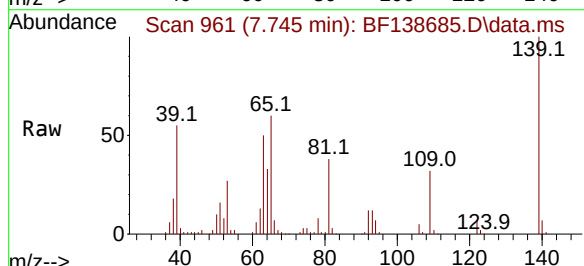
Tgt Ion: 139 Resp: 130074

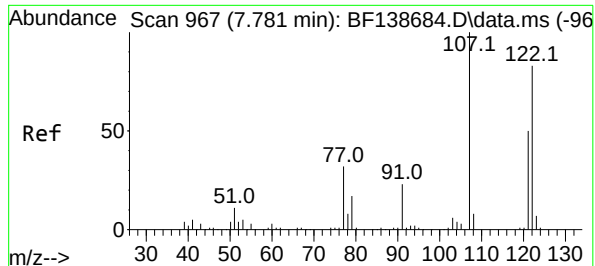
Ion Ratio Lower Upper

139 100

109 32.1 25.9 38.9

65 60.1 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 48.328 ng

RT: 7.787 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

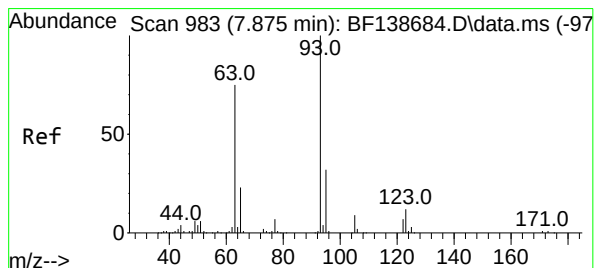
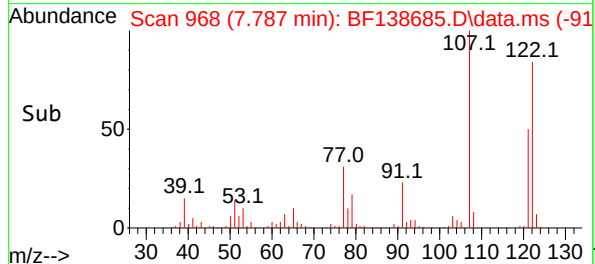
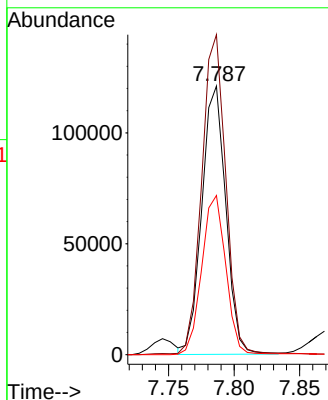
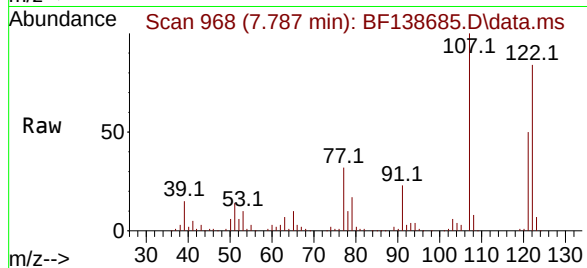
Tgt Ion:122 Resp: 154221

Ion Ratio Lower Upper

122 100

107 119.1 95.0 142.6

121 59.3 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 47.308 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

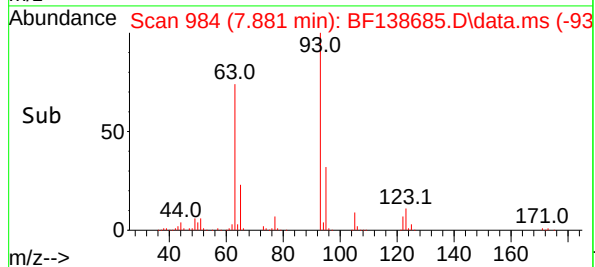
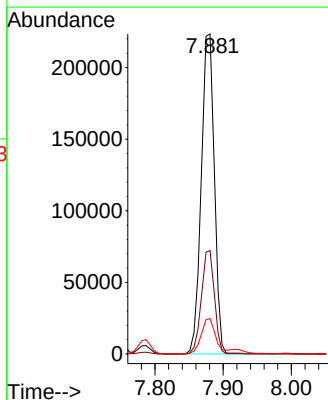
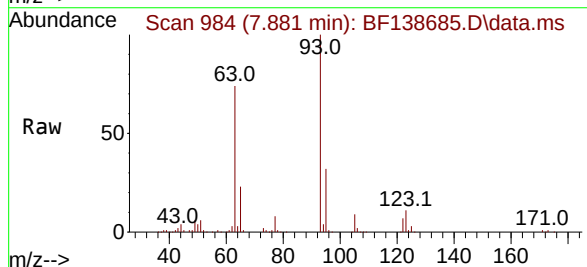
Tgt Ion: 93 Resp: 299695

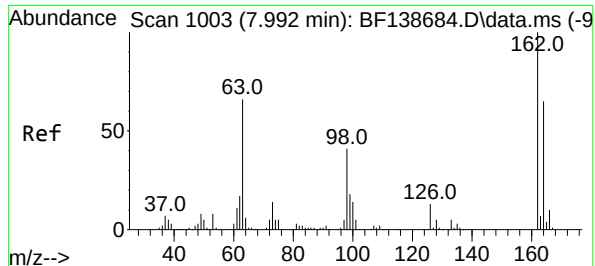
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

123 11.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 47.954 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

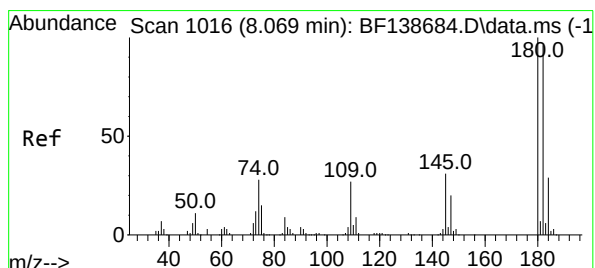
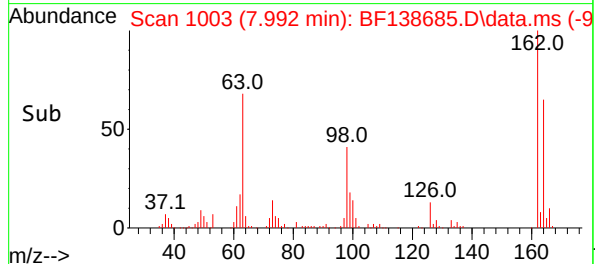
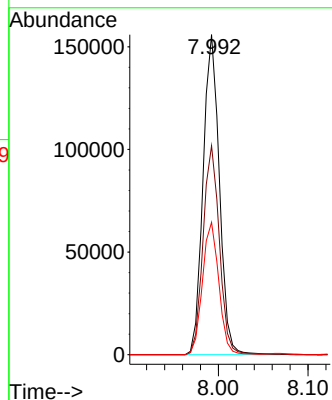
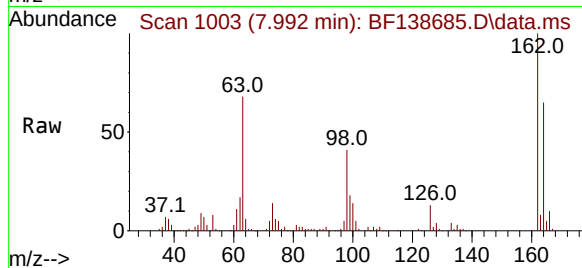
Tgt Ion:162 Resp: 196641

Ion Ratio Lower Upper

162 100

164 65.3 44.7 84.7

98 41.4 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 47.793 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

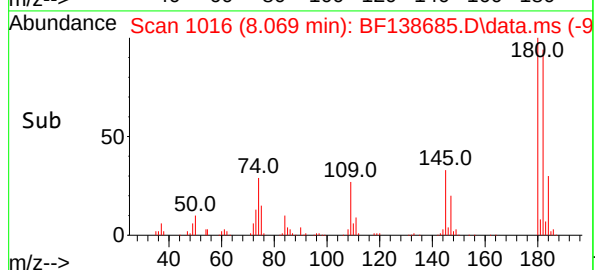
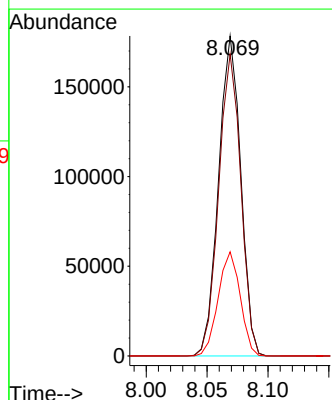
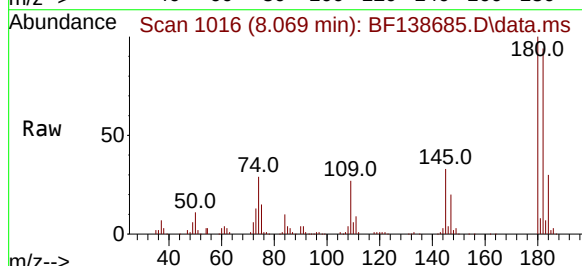
Tgt Ion:180 Resp: 226165

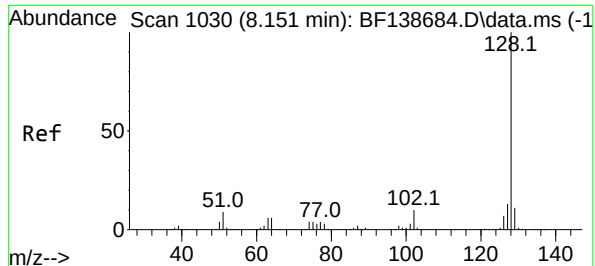
Ion Ratio Lower Upper

180 100

182 94.4 76.9 115.3

145 32.5 25.0 37.4

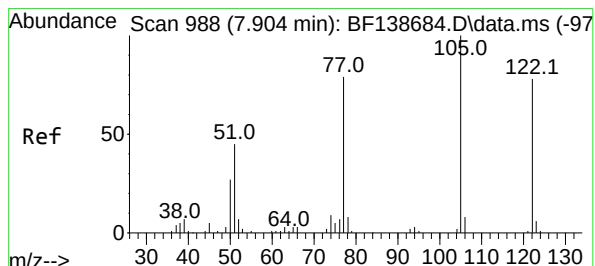
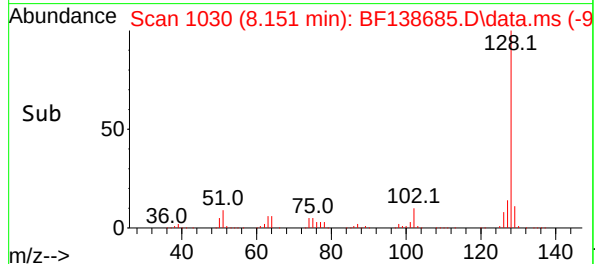
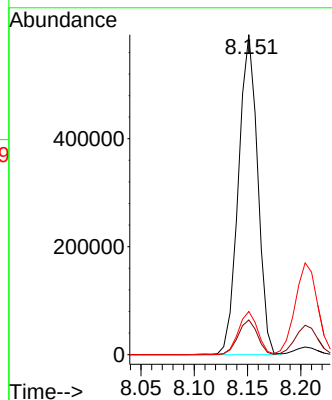
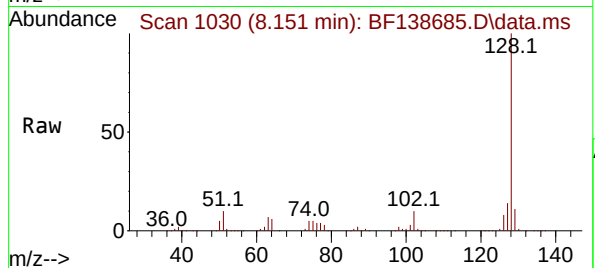




#31
Naphthalene
Concen: 47.479 ng
RT: 8.151 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

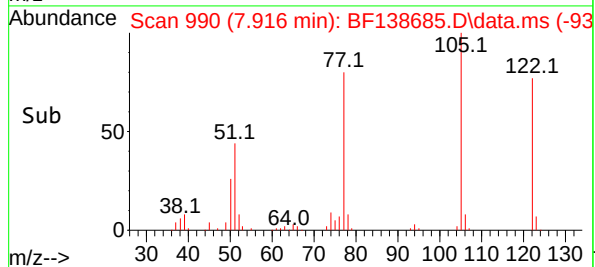
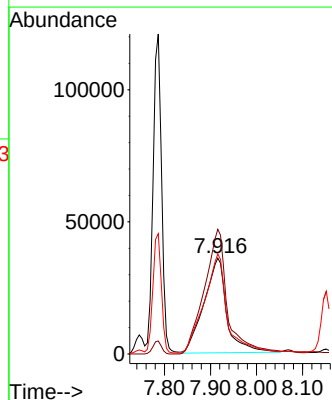
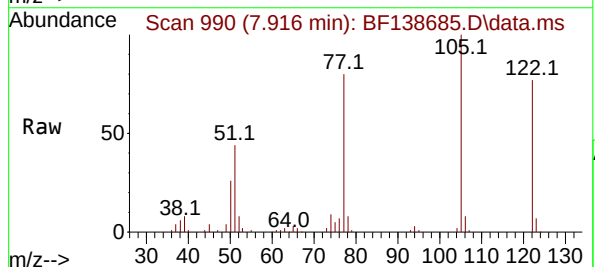
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

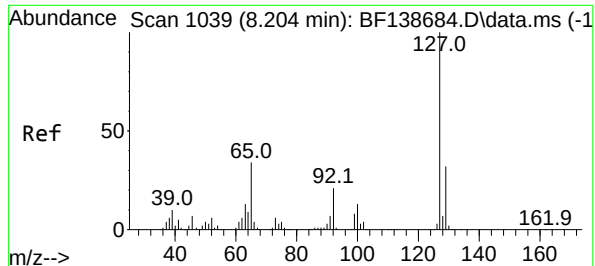
Tgt Ion:128 Resp: 744393
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.5 10.6 16.0



#32
Benzoic acid
Concen: 49.340 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:122 Resp: 123714
Ion Ratio Lower Upper
122 100
105 130.0 106.7 146.7
77 104.4 81.1 121.1





#33

4-Chloroaniline

Concen: 47.621 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 250620

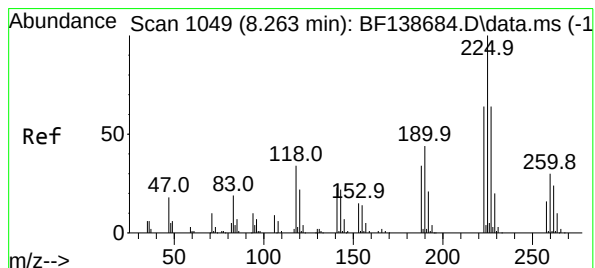
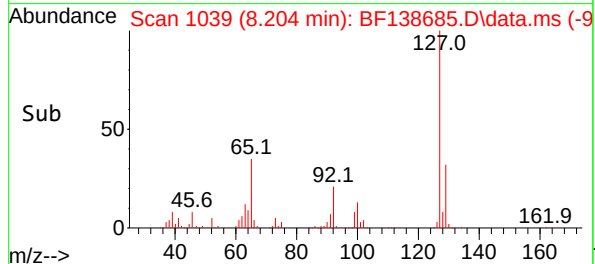
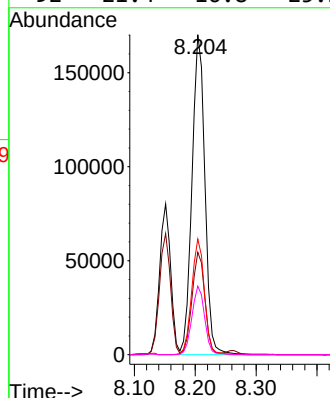
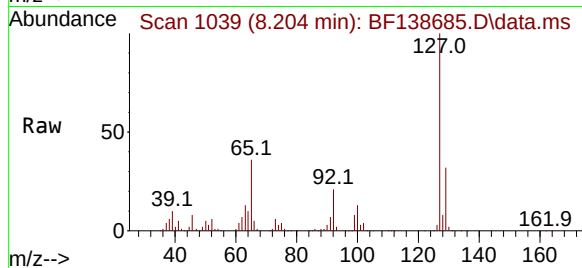
Ion Ratio Lower Upper

127 100

129 32.0 25.9 38.9

65 36.2 27.6 41.4

92 21.4 16.8 25.2



#34

Hexachlorobutadiene

Concen: 48.493 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

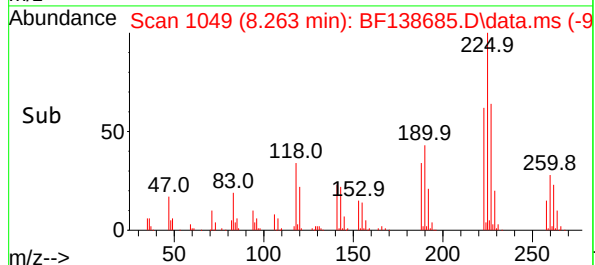
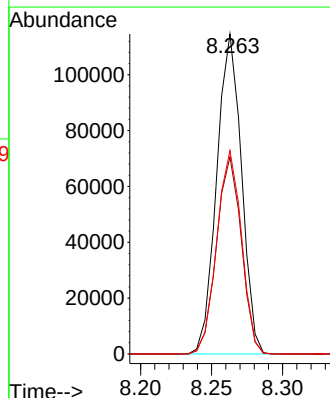
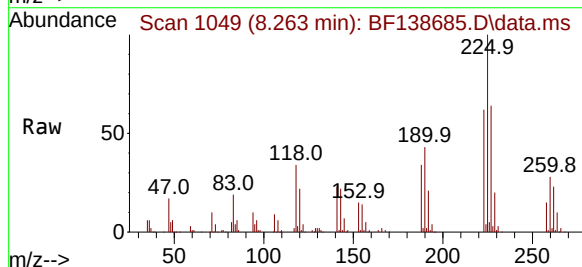
Tgt Ion:225 Resp: 138993

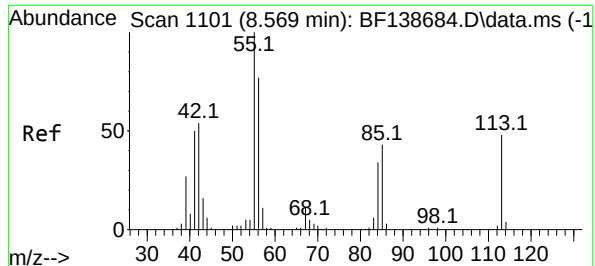
Ion Ratio Lower Upper

225 100

223 61.5 51.2 76.8

227 63.6 51.1 76.7

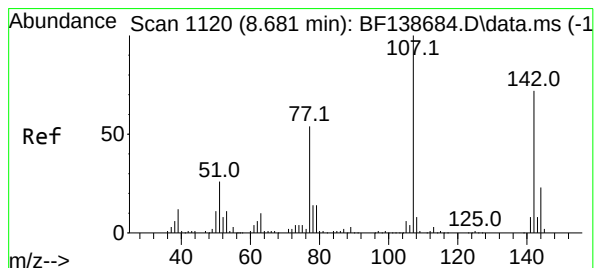
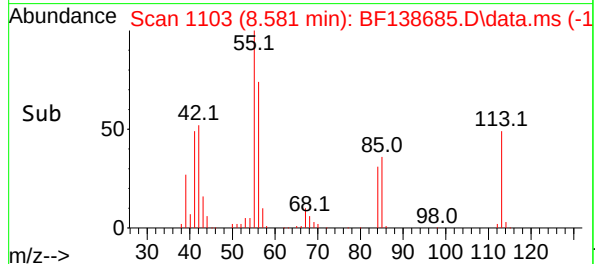
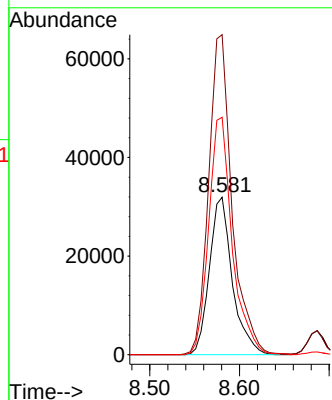
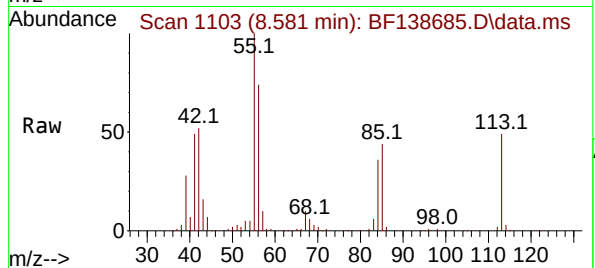




#35
Caprolactam
Concen: 46.347 ng
RT: 8.581 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

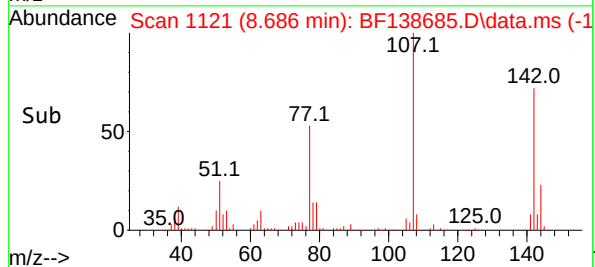
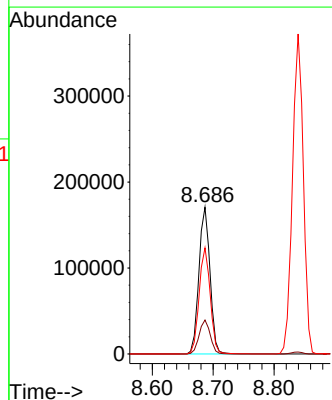
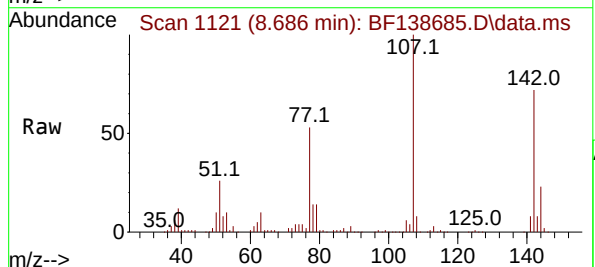
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

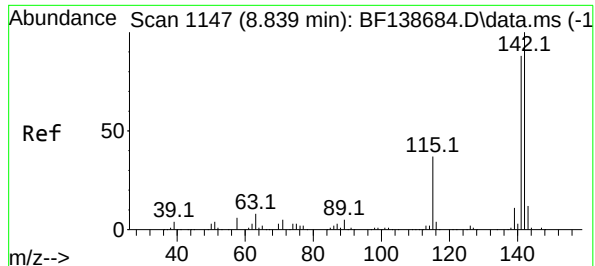
Tgt Ion:113 Resp: 56708
Ion Ratio Lower Upper
113 100
55 203.2 186.7 226.7
56 150.8 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 46.151 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:107 Resp: 216280
Ion Ratio Lower Upper
107 100
144 23.2 18.2 27.2
142 72.3 57.4 86.2





#37

2-Methylnaphthalene

Concen: 46.570 ng

RT: 8.839 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

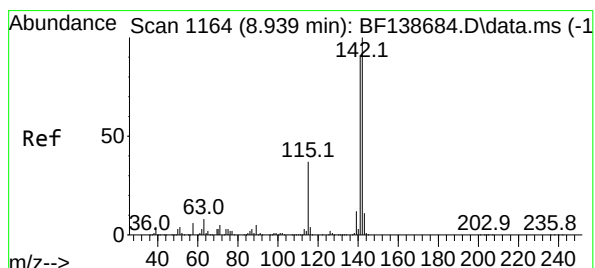
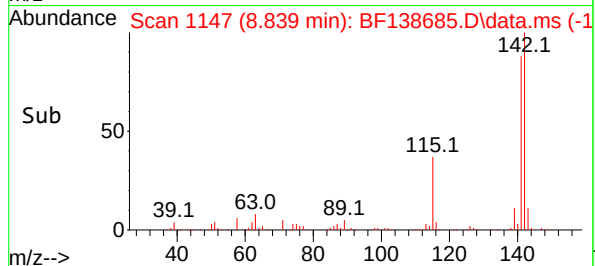
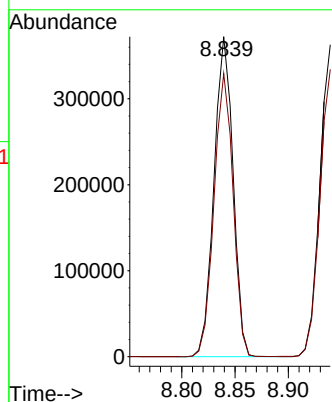
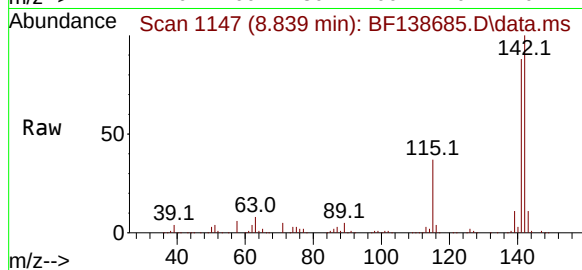
SSTDICC050

Tgt Ion:142 Resp: 461125

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 46.476 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF138685.D

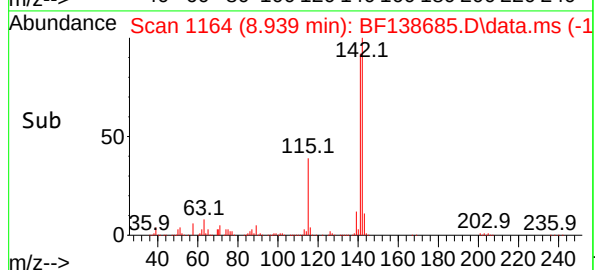
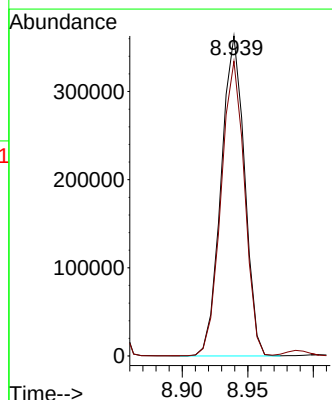
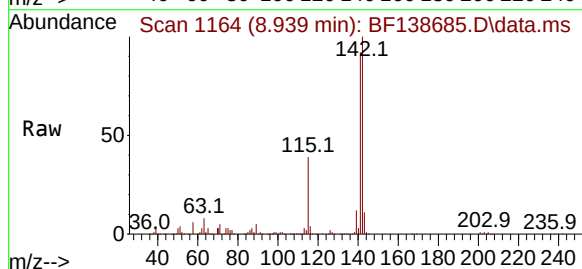
Acq: 30 Jul 2024 15:27

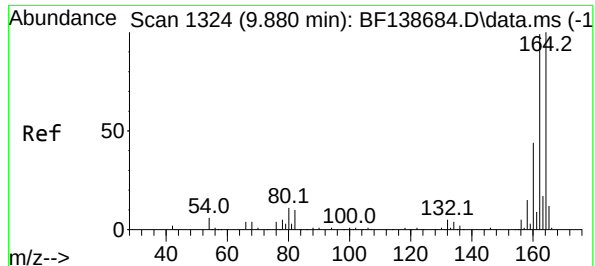
Tgt Ion:142 Resp: 450948

Ion Ratio Lower Upper

142 100

141 92.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

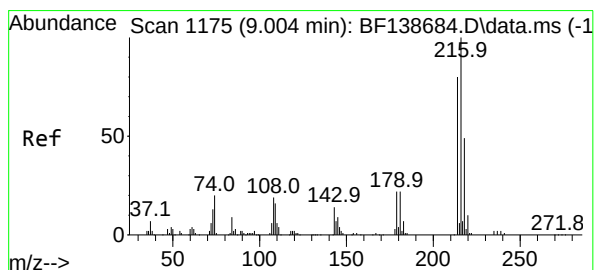
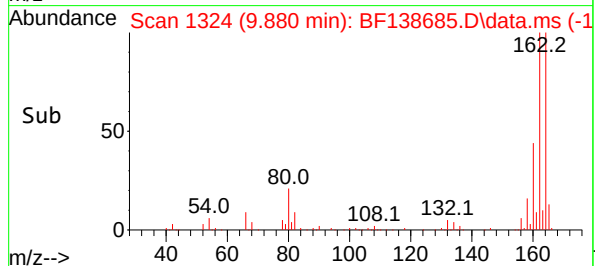
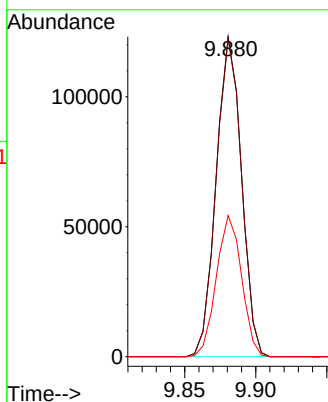
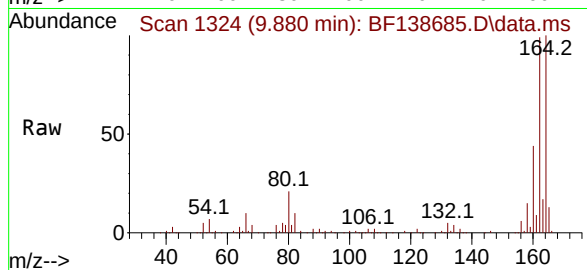
Tgt Ion:164 Resp: 152426

Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.0

160 44.1 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.789 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Tgt Ion:216 Resp: 206585

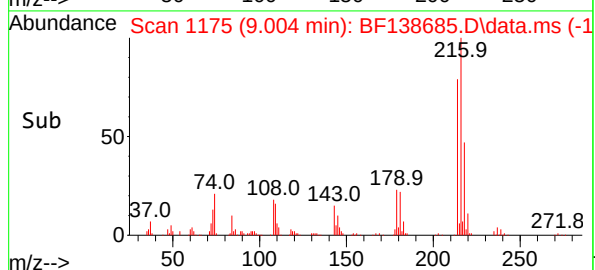
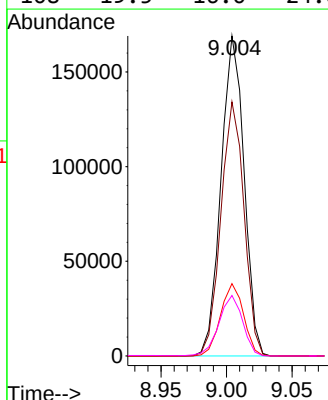
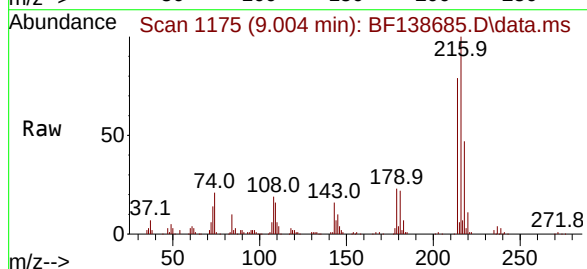
Ion Ratio Lower Upper

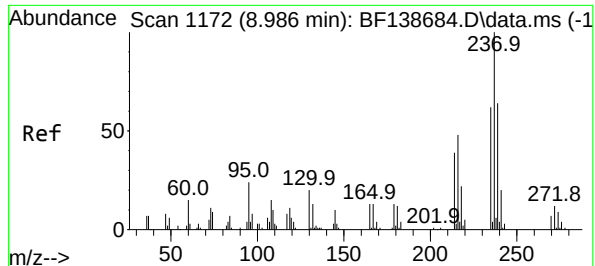
216 100

214 79.5 63.9 95.9

179 22.5 17.8 26.6

108 19.5 16.0 24.0

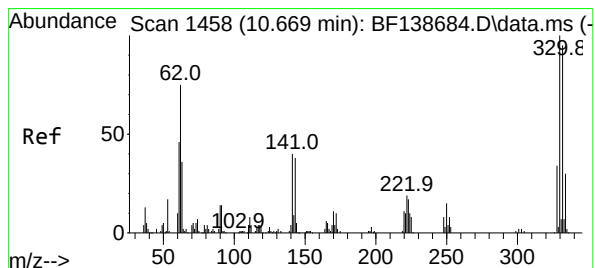
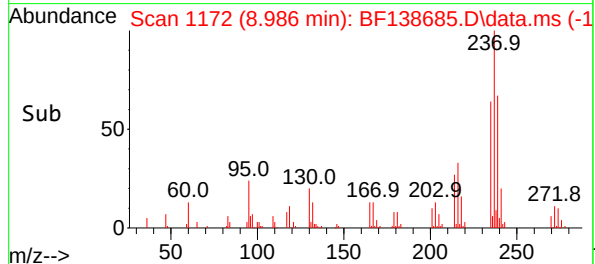
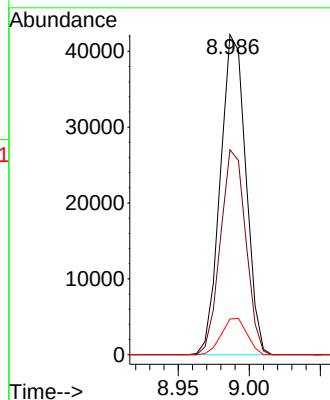
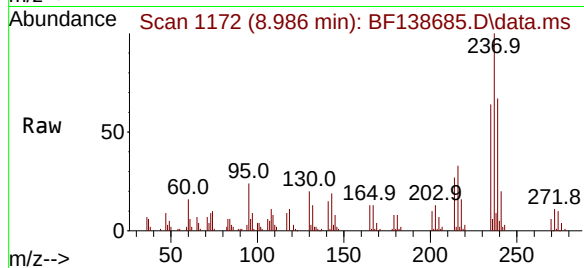




#41
Hexachlorocyclopentadiene
Concen: 49.894 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

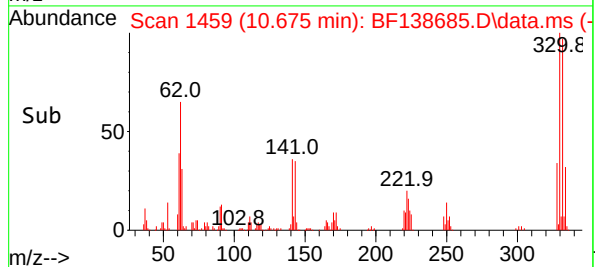
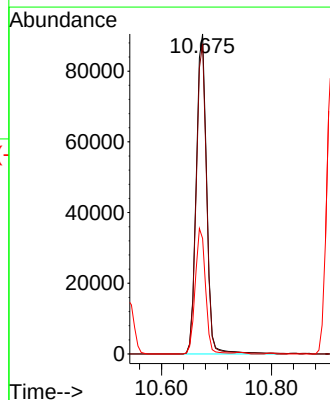
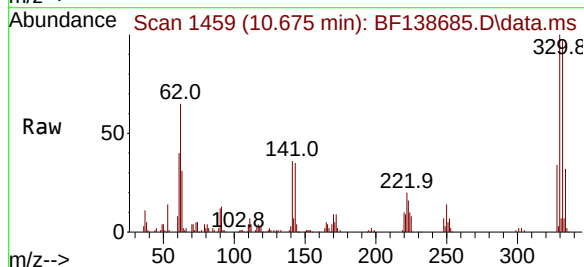
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

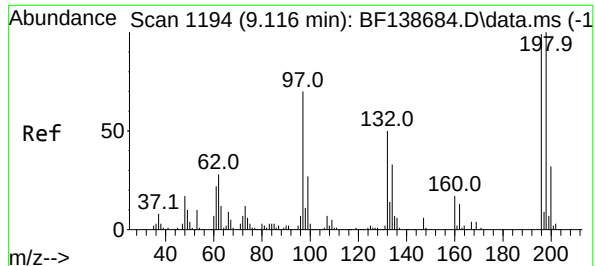
Tgt Ion: 237 Resp: 52700
Ion Ratio Lower Upper
237 100
235 64.1 41.8 81.8
272 11.1 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 95.358 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 330 Resp: 119062
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 38.7 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 48.741 ng

RT: 9.122 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF138685.D

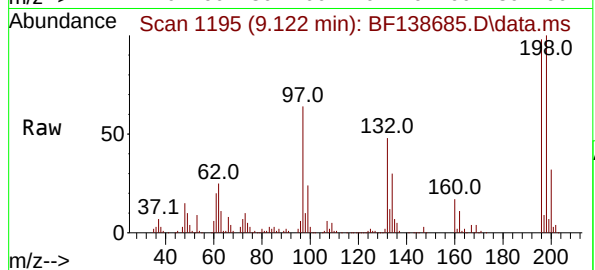
Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



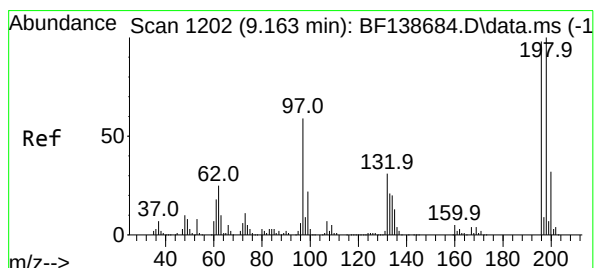
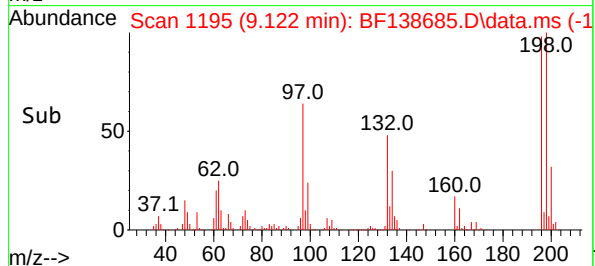
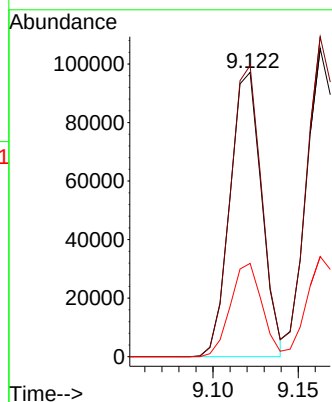
Tgt Ion:196 Resp: 125832

Ion Ratio Lower Upper

196 100

198 102.4 80.5 120.7

200 32.8 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 48.726 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Tgt Ion:196 Resp: 137518

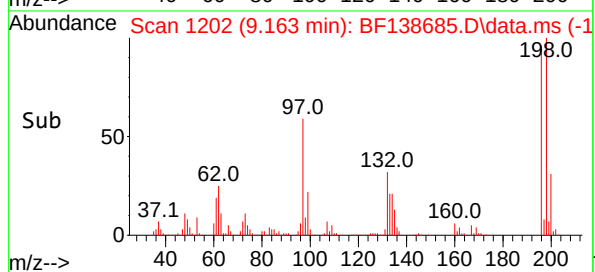
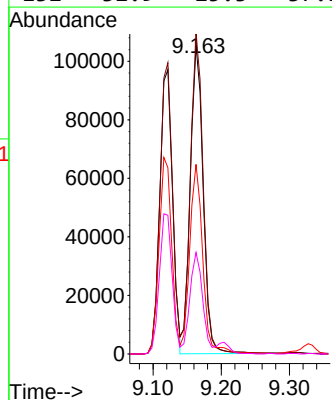
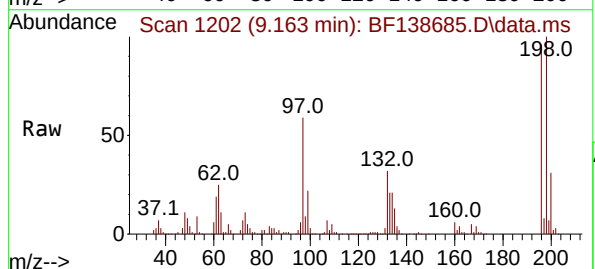
Ion Ratio Lower Upper

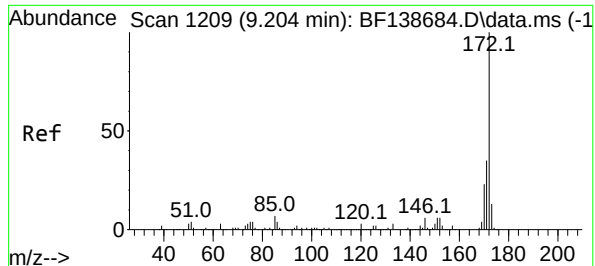
196 100

198 103.8 81.2 121.8

97 61.5 47.8 71.6

132 32.9 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 94.693 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

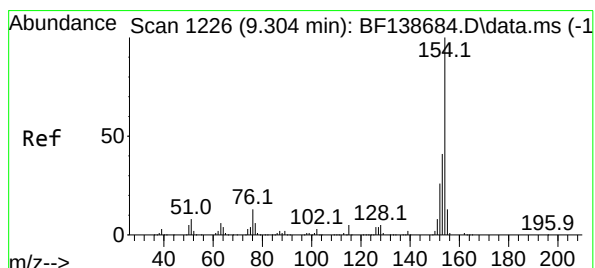
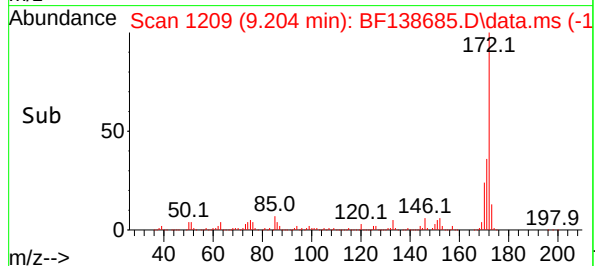
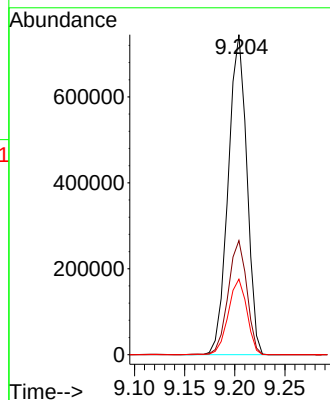
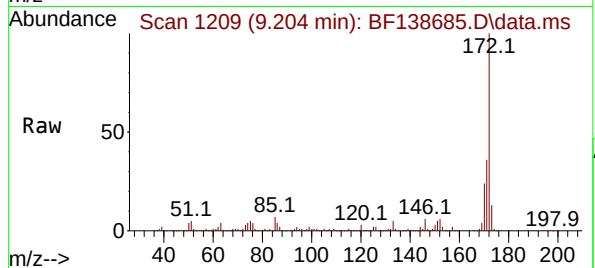
Tgt Ion:172 Resp: 960645

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 48.107 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

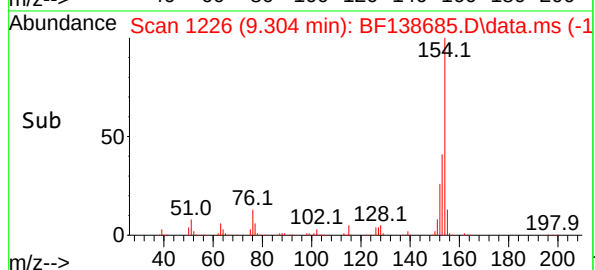
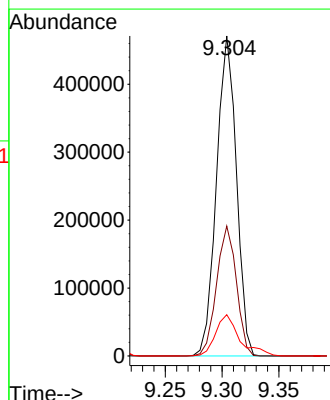
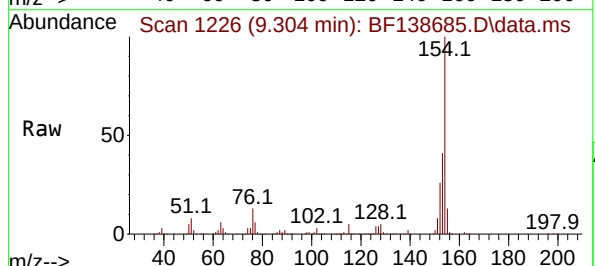
Tgt Ion:154 Resp: 574292

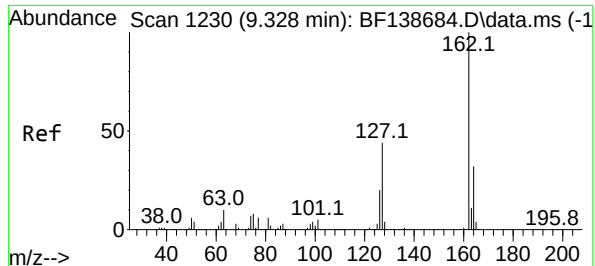
Ion Ratio Lower Upper

154 100

153 40.6 20.8 60.8

76 12.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 48.011 ng

RT: 9.328 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

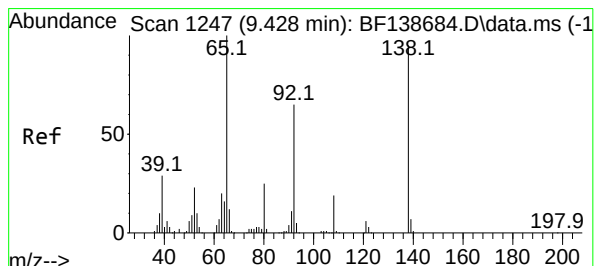
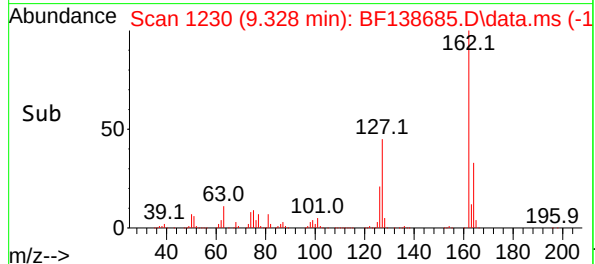
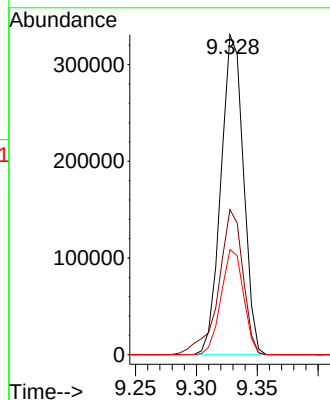
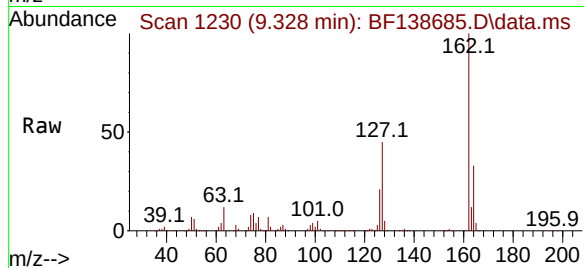
Tgt Ion:162 Resp: 426264

Ion Ratio Lower Upper

162 100

127 45.4 35.4 53.2

164 32.9 25.6 38.4



#48

2-Nitroaniline

Concen: 48.087 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

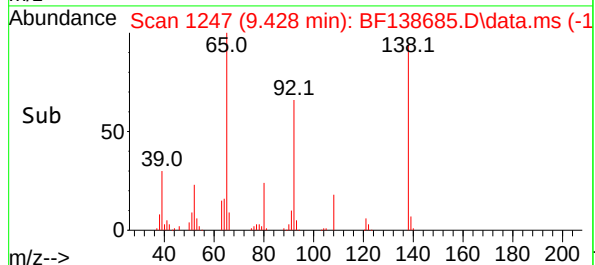
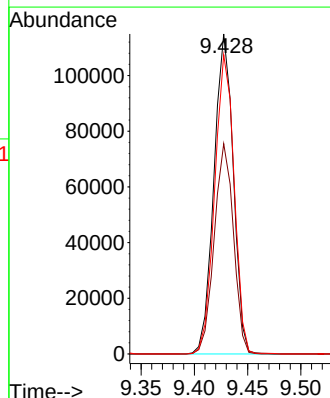
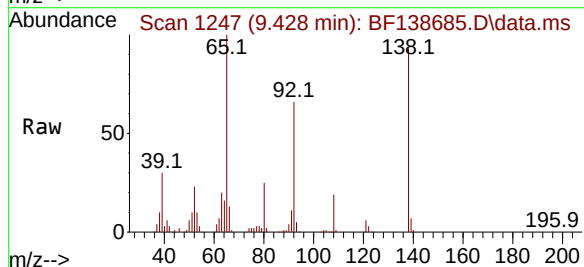
Tgt Ion: 65 Resp: 144739

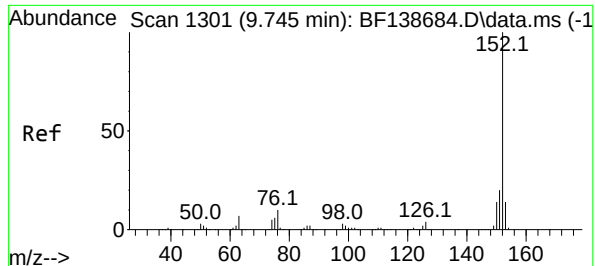
Ion Ratio Lower Upper

65 100

92 65.7 52.0 78.0

138 93.5 76.2 114.4





#49

Acenaphthylene

Concen: 47.605 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138685.D

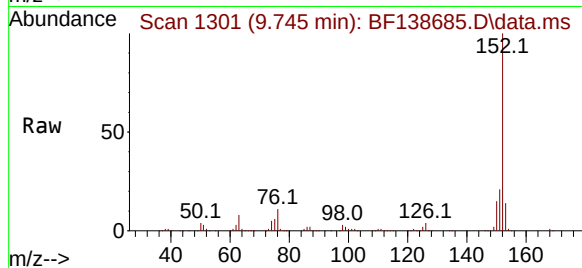
Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



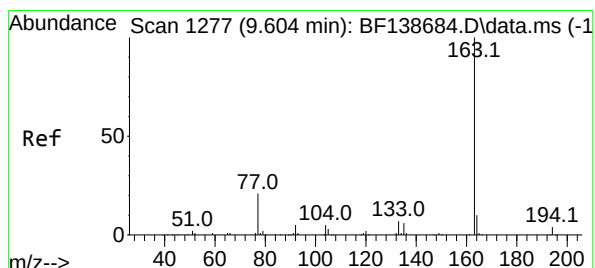
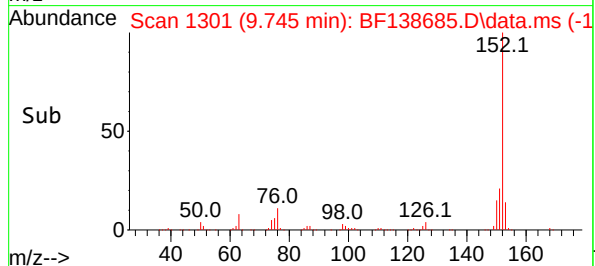
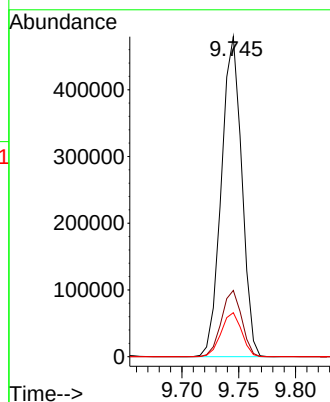
Tgt Ion:152 Resp: 599464

Ion Ratio Lower Upper

152 100

151 20.7 16.0 24.0

153 13.8 11.0 16.4



#50

Dimethylphthalate

Concen: 47.244 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

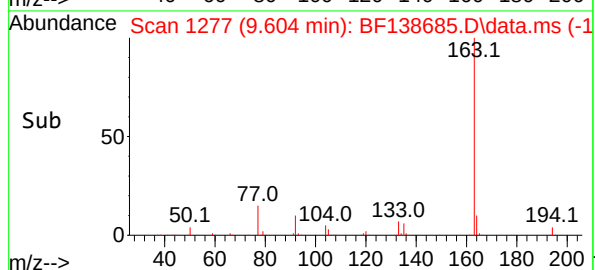
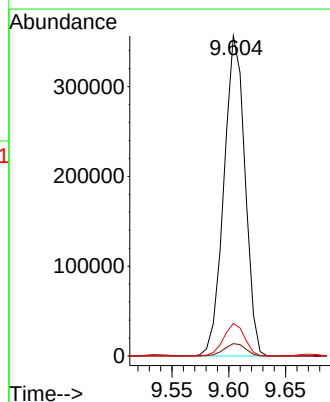
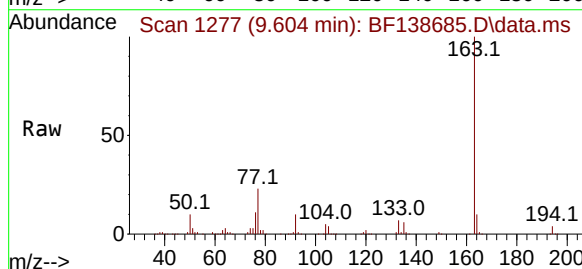
Tgt Ion:163 Resp: 460459

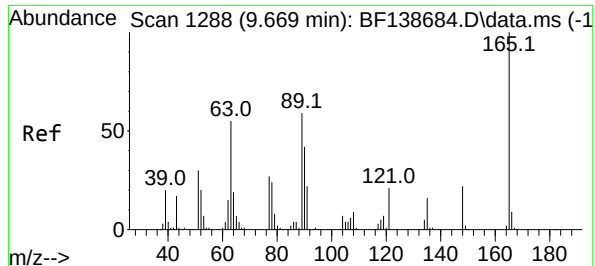
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.2 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 47.956 ng

RT: 9.669 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

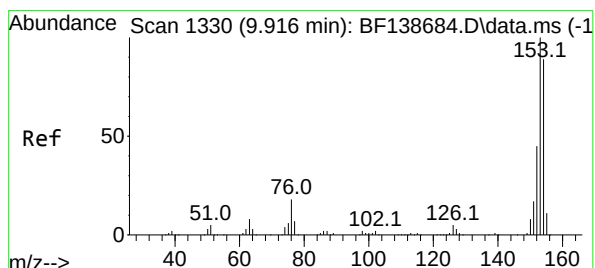
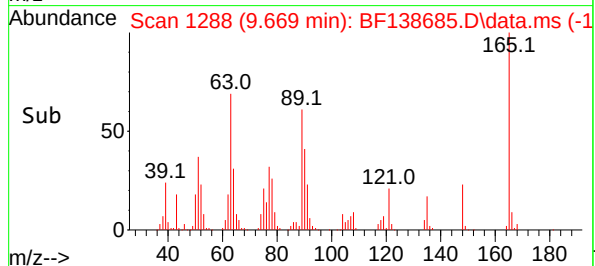
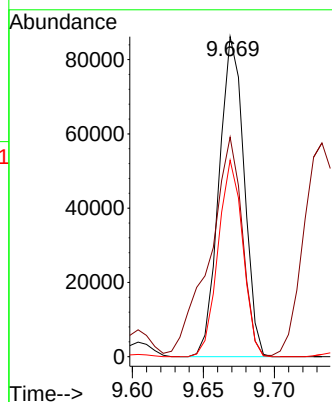
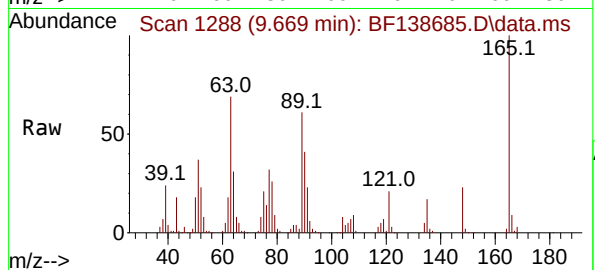
Tgt Ion:165 Resp: 105483

Ion Ratio Lower Upper

165 100

63 68.6 52.0 78.0

89 61.4 47.0 70.6



#52

Acenaphthene

Concen: 47.208 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

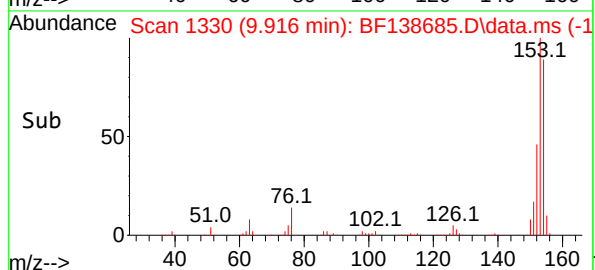
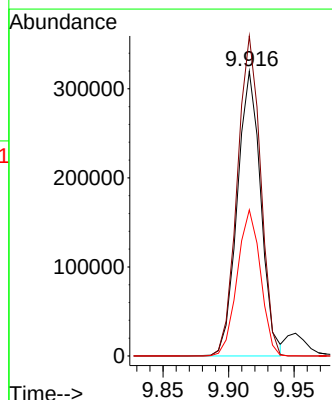
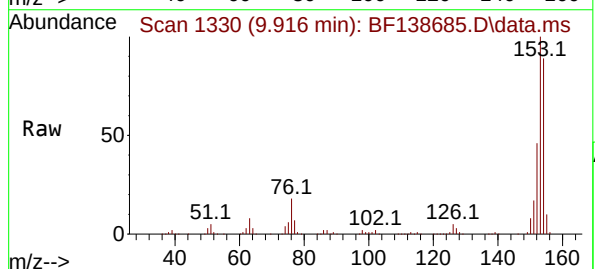
Tgt Ion:154 Resp: 399608

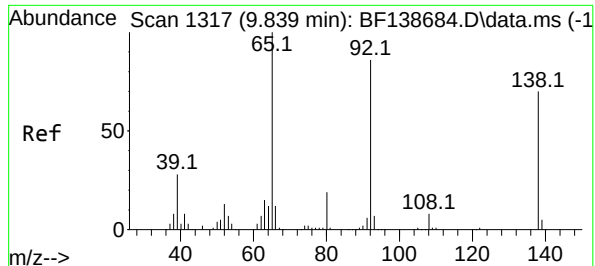
Ion Ratio Lower Upper

154 100

153 112.4 89.9 134.9

152 51.3 40.6 60.8





#53

3-Nitroaniline

Concen: 47.915 ng

RT: 9.839 min Scan# 1317

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

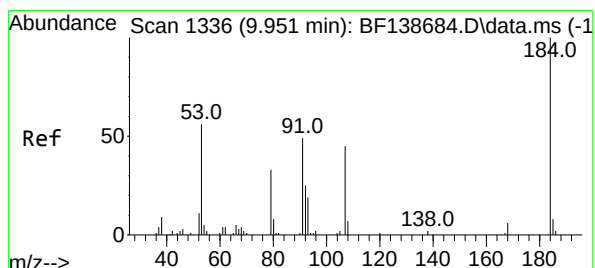
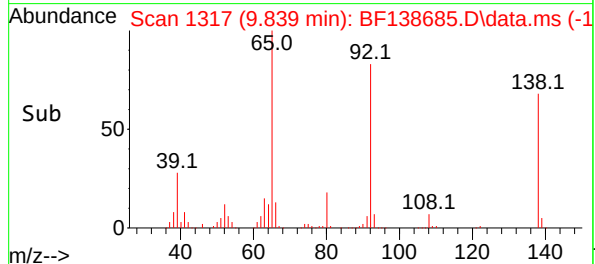
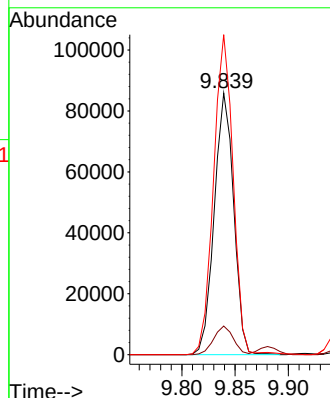
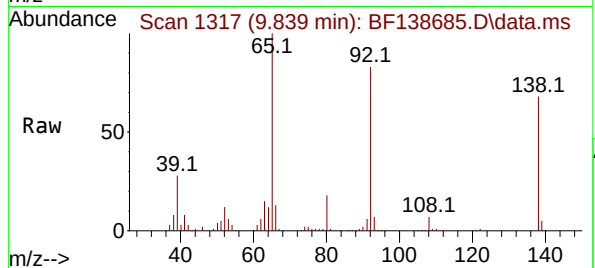
Tgt Ion:138 Resp: 108951

Ion Ratio Lower Upper

138 100

108 11.0 9.1 13.7

92 122.3 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 49.361 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

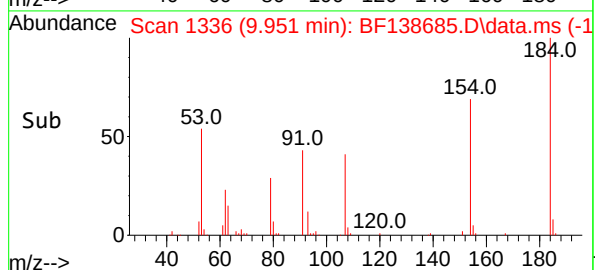
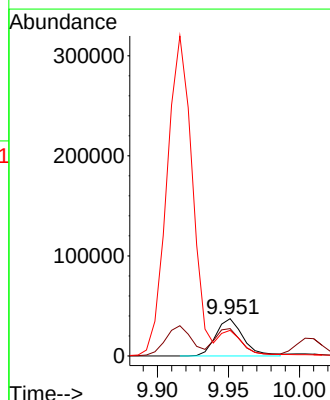
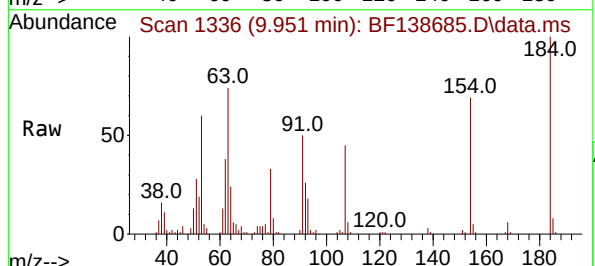
Tgt Ion:184 Resp: 49980

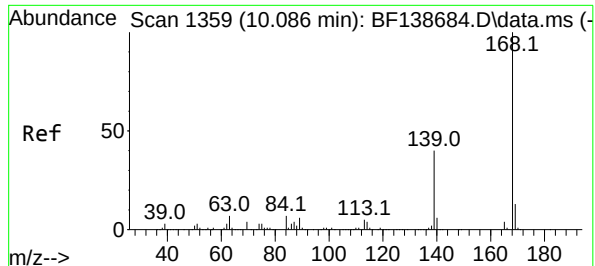
Ion Ratio Lower Upper

184 100

63 73.5 57.5 86.3

154 68.7 51.7 77.5





#55

Dibenzenofuran

Concen: 47.333 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

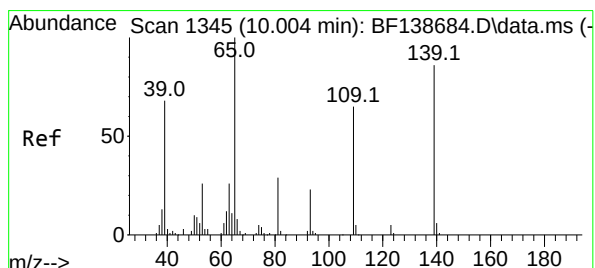
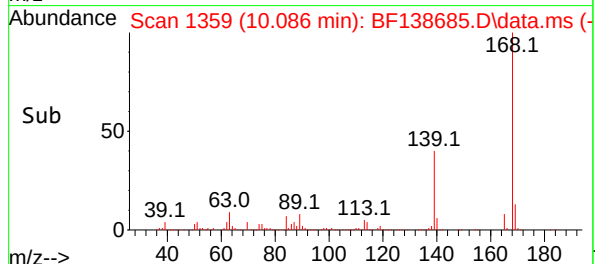
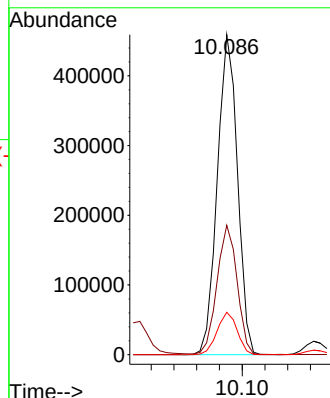
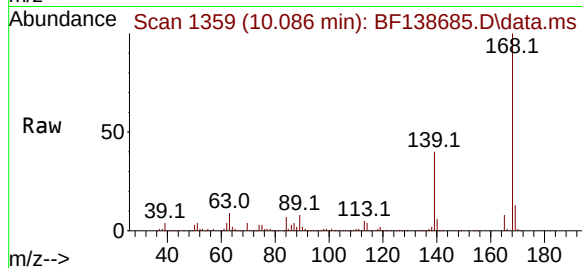
Tgt Ion:168 Resp: 565582

Ion Ratio Lower Upper

168 100

139 40.4 32.6 49.0

169 13.2 10.7 16.1



#56

4-Nitrophenol

Concen: 48.943 ng

RT: 10.010 min Scan# 1346

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

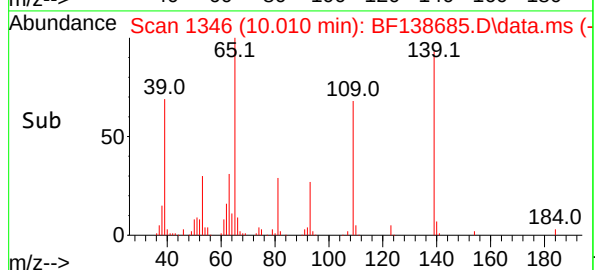
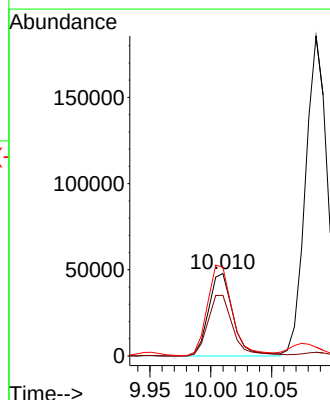
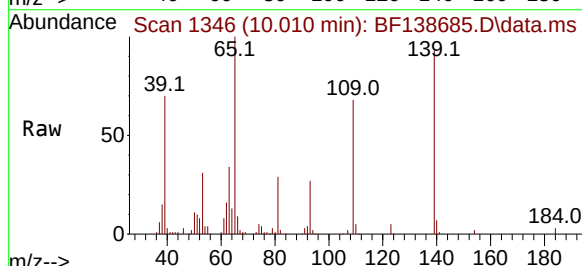
Tgt Ion:139 Resp: 66924

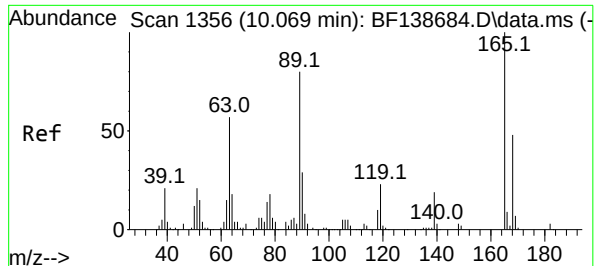
Ion Ratio Lower Upper

139 100

109 73.8 55.5 95.5

65 107.8 96.7 136.7

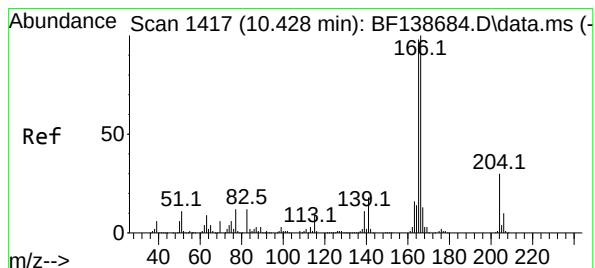
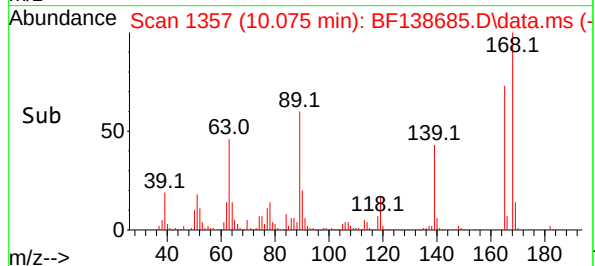
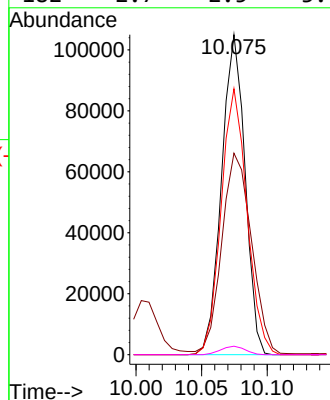
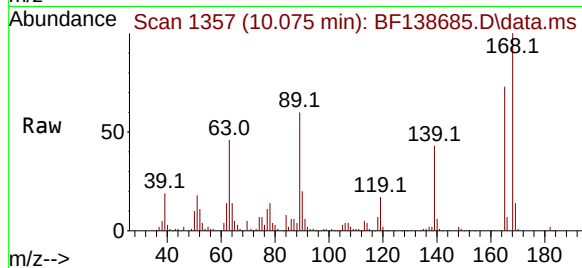




#57
2,4-Dinitrotoluene
Concen: 46.487 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

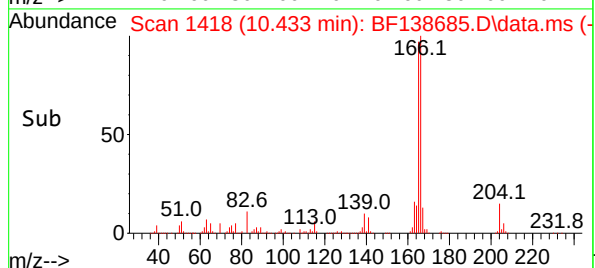
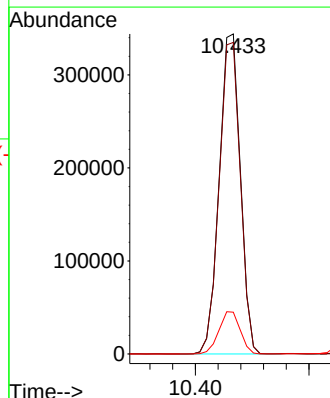
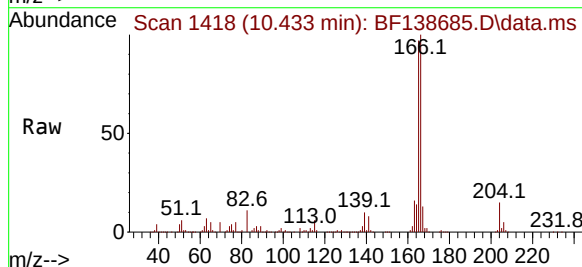
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

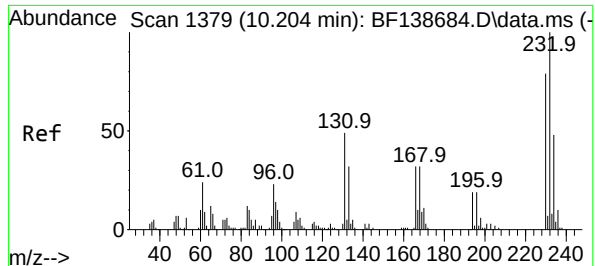
Tgt Ion:165 Resp: 130457
Ion Ratio Lower Upper
165 100
63 63.0 46.3 69.5
89 83.1 64.2 96.4
182 2.7 2.5 3.7



#58
Fluorene
Concen: 46.711 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:166 Resp: 444469
Ion Ratio Lower Upper
166 100
165 97.4 78.4 117.6
167 13.1 10.6 16.0

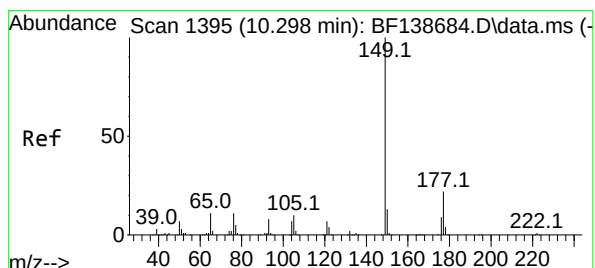
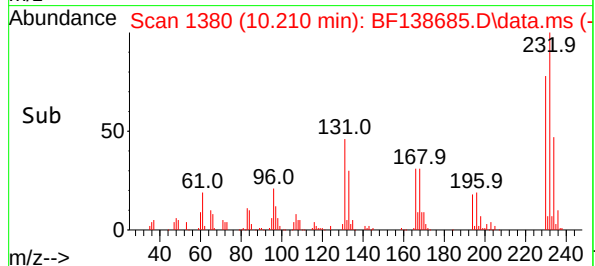
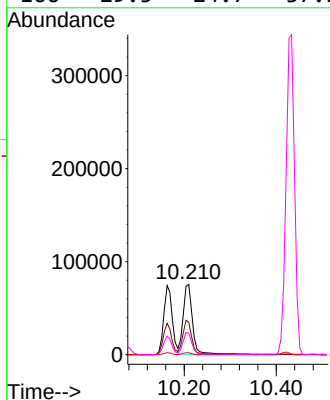
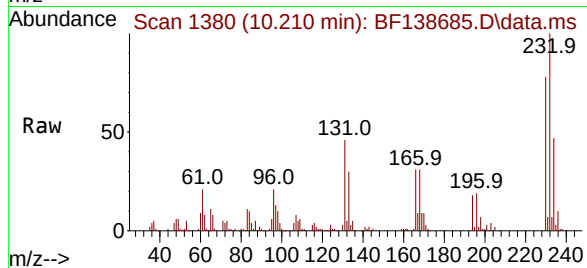




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.402 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

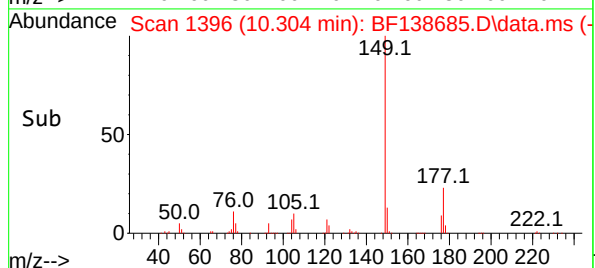
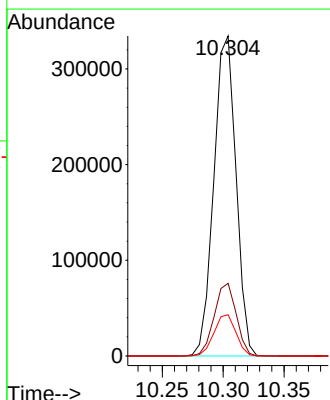
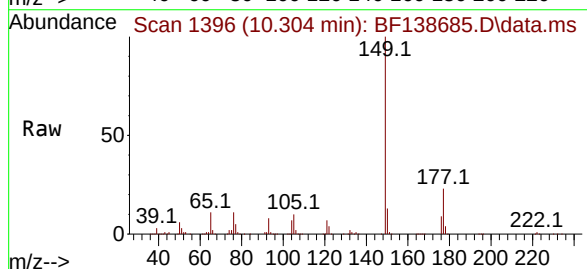
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

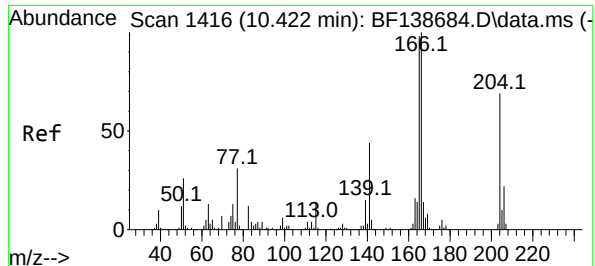
Tgt Ion:232 Resp: 106594
Ion Ratio Lower Upper
232 100
131 46.1 37.0 55.4
130 2.5 2.0 3.0
166 29.5 24.7 37.1



#60
Diethylphthalate
Concen: 45.886 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 424041
Ion Ratio Lower Upper
149 100
177 22.7 17.8 26.8
150 12.9 10.1 15.1

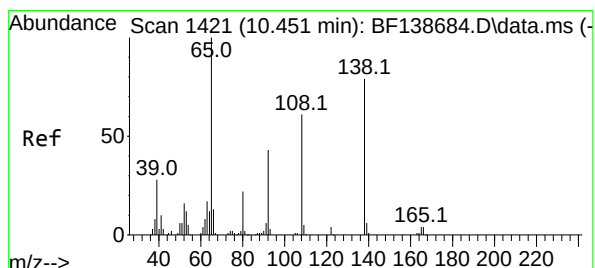
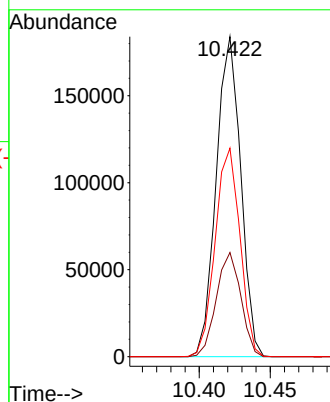
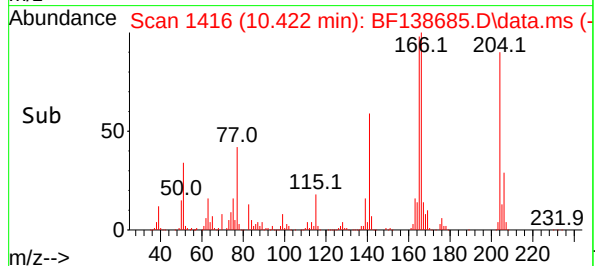
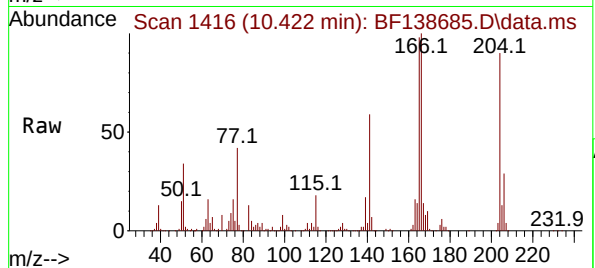




#61
4-Chlorophenyl-phenylether
Concen: 47.209 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

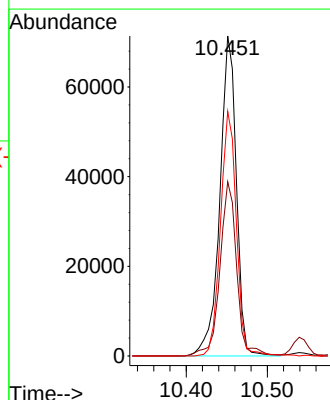
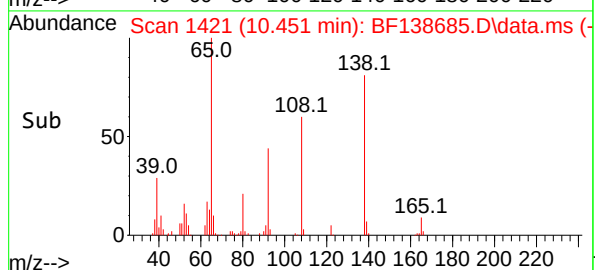
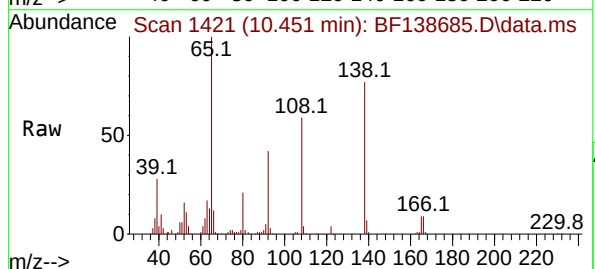
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

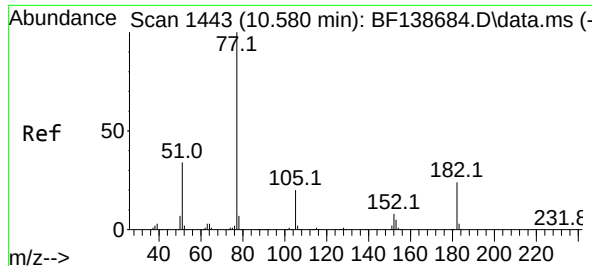
Tgt Ion:204 Resp: 220930
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 65.2 51.4 77.0



#62
4-Nitroaniline
Concen: 46.819 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:138 Resp: 101171
Ion Ratio Lower Upper
138 100
92 54.4 34.2 74.2
108 76.5 56.2 96.2

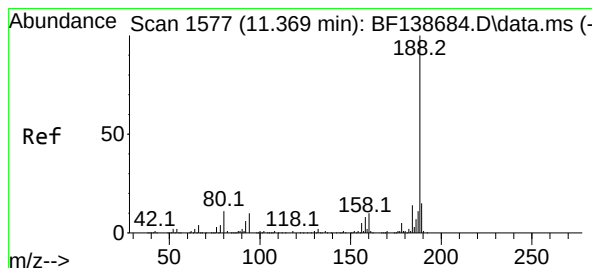
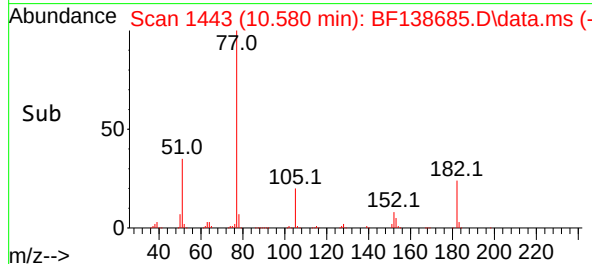
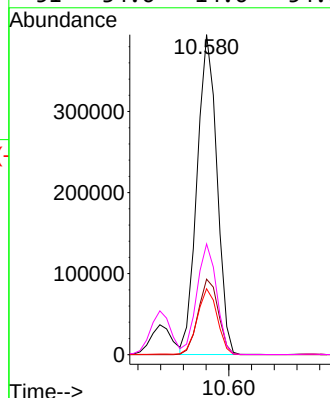
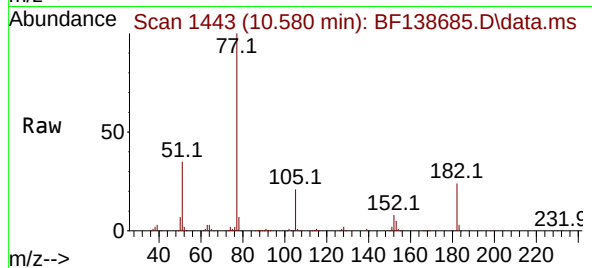




#63
Azobenzene
Concen: 46.818 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

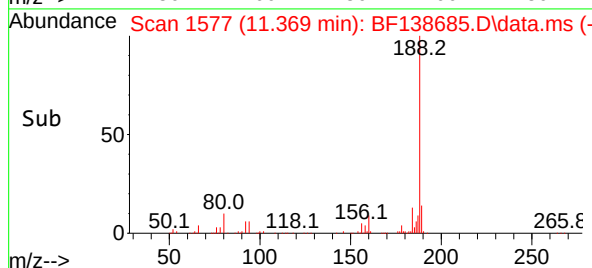
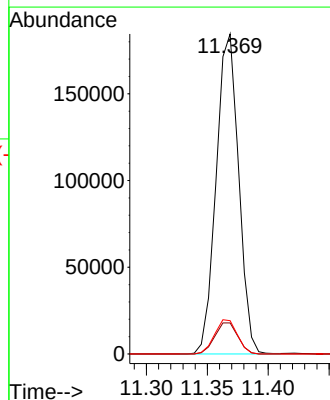
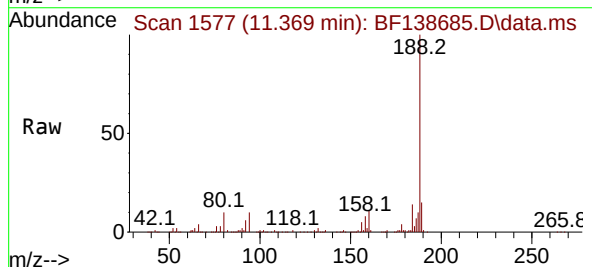
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

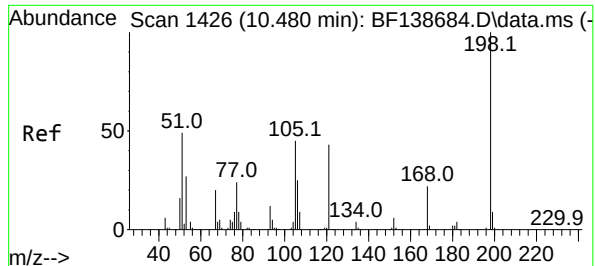
Tgt Ion:	77	Resp:	479859
Ion	Ratio	Lower	Upper
77	100		
182	23.6	3.4	43.4
105	20.6	0.2	40.2
51	34.6	14.6	54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:	188	Resp:	237060
Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.6	11.4
80	10.4	8.6	12.8

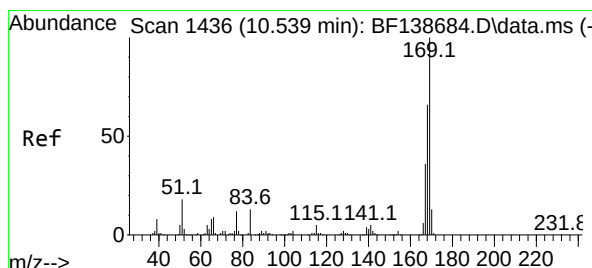
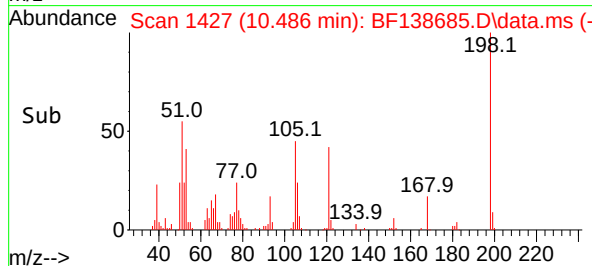
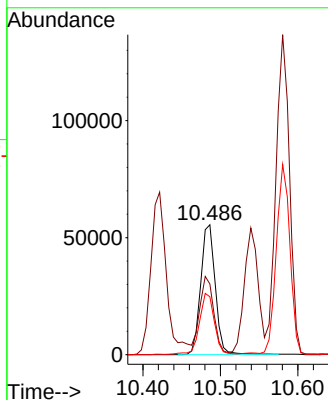
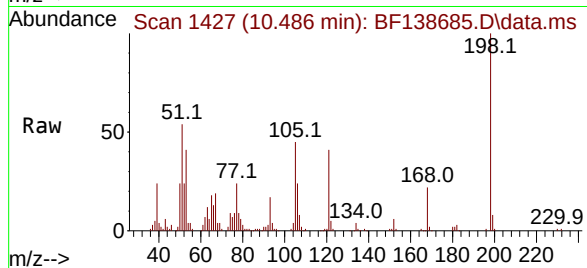




#65
4,6-Dinitro-2-methylphenol
Concen: 50.244 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

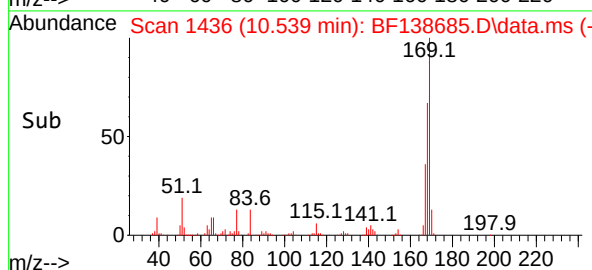
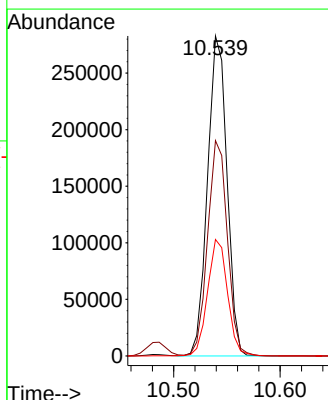
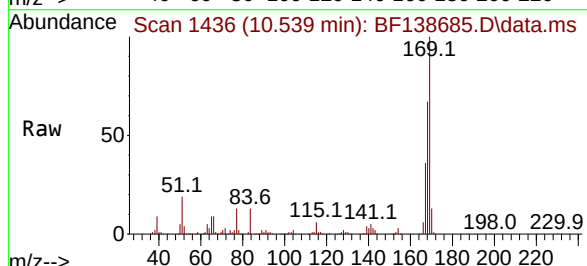
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

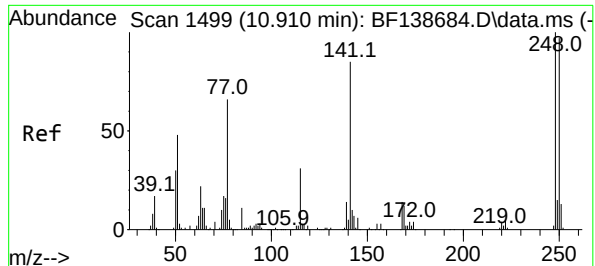
Tgt Ion	Ratio	Lower	Upper
198	100		
51	54.4	39.9	79.9
105	44.7	26.1	66.1



#66
n-Nitrosodiphenylamine
Concen: 48.503 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.4	29.0	43.6

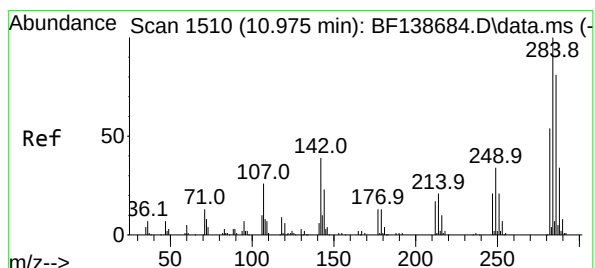
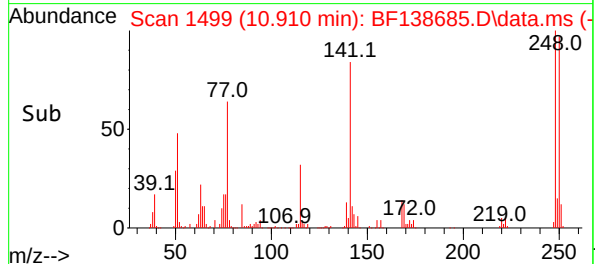
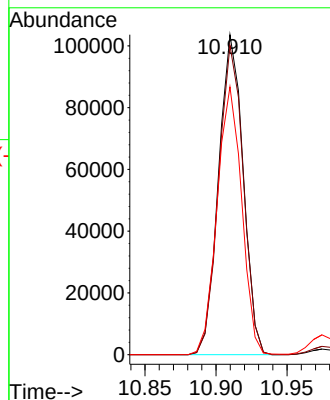
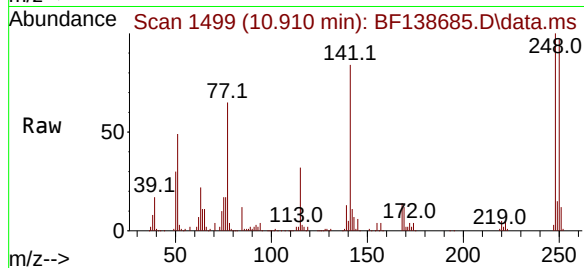




#67
4-Bromophenyl-phenylether
Concen: 48.653 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

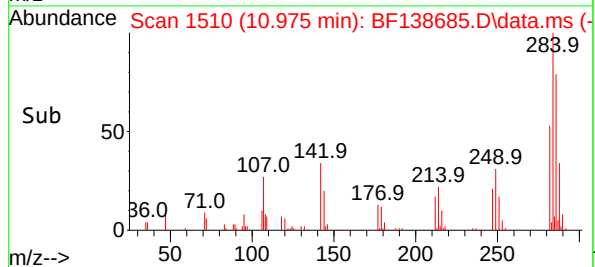
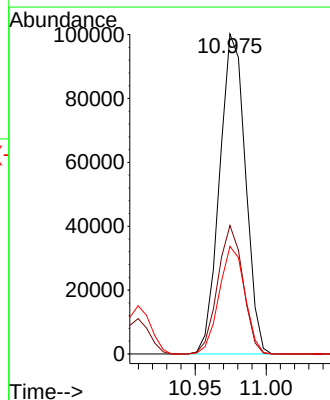
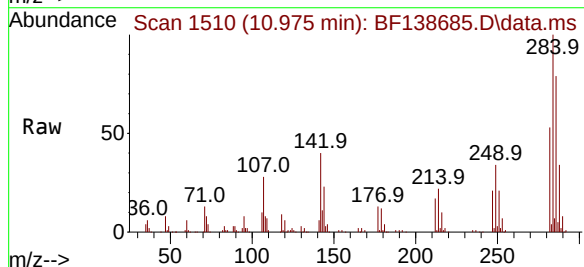
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

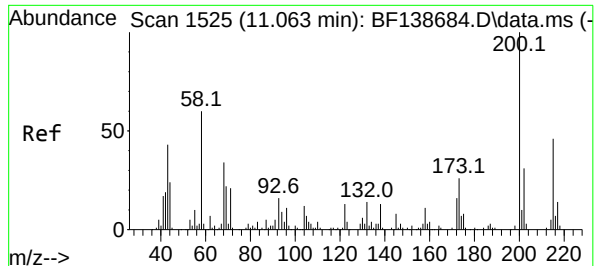
Tgt Ion:248 Resp: 124874
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 83.7 68.0 102.0



#68
Hexachlorobenzene
Concen: 47.827 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:284 Resp: 126744
Ion Ratio Lower Upper
284 100
142 40.2 31.3 46.9
249 33.6 27.2 40.8





#69

Atrazine

Concen: 47.380 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

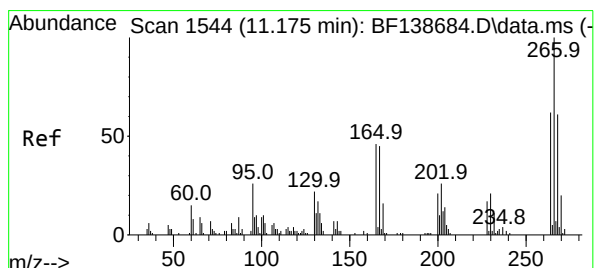
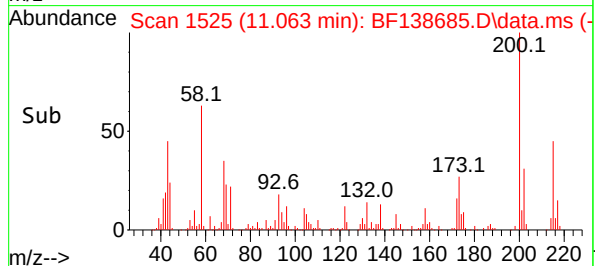
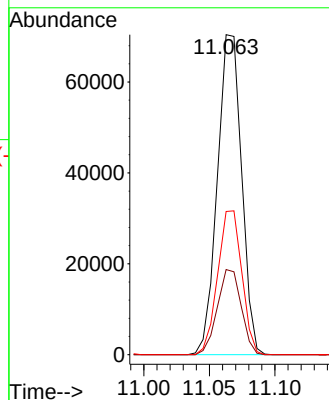
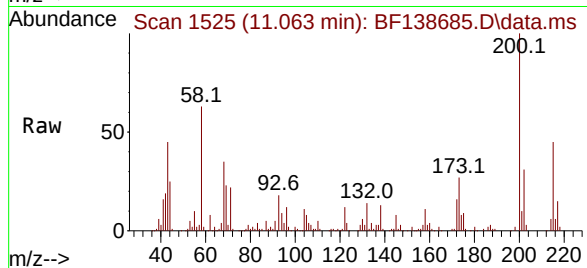
Tgt Ion:200 Resp: 90580

Ion Ratio Lower Upper

200 100

173 26.6 6.0 46.0

215 44.8 26.1 66.1



#70

Pentachlorophenol

Concen: 51.390 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

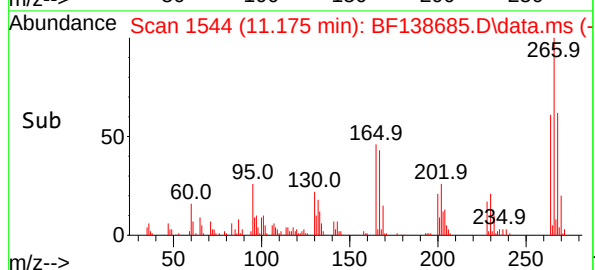
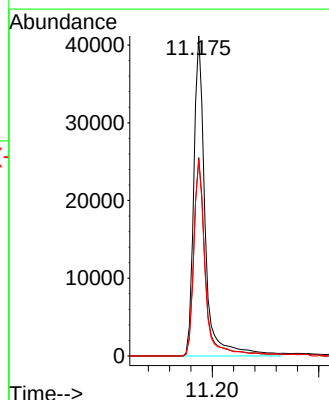
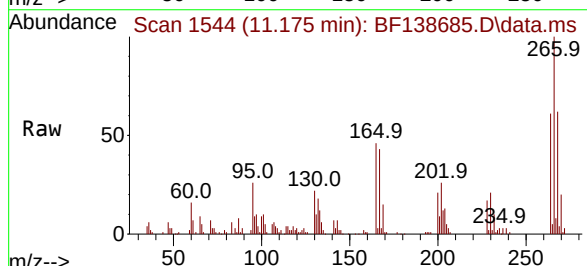
Tgt Ion:266 Resp: 61385

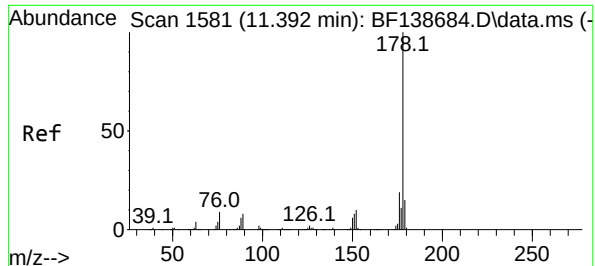
Ion Ratio Lower Upper

266 100

268 61.9 49.2 73.8

264 61.2 49.8 74.6





#71

Phenanthrene

Concen: 47.109 ng

RT: 11.392 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

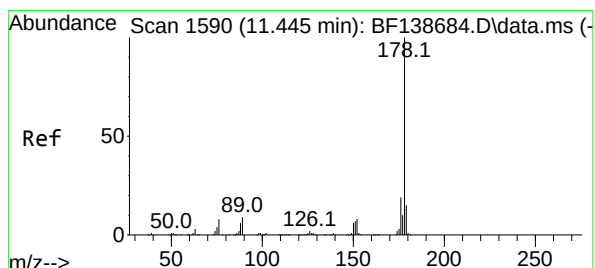
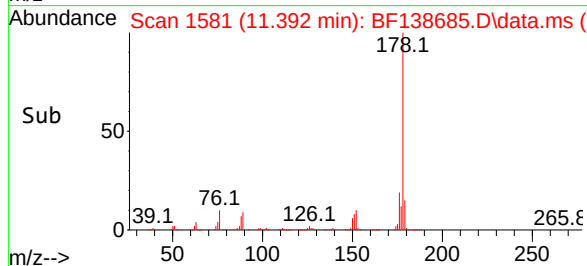
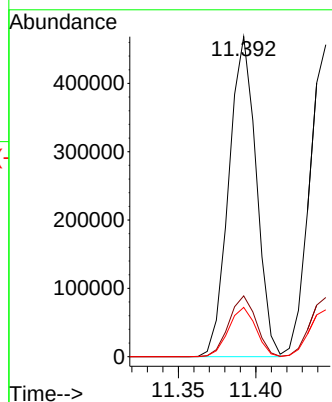
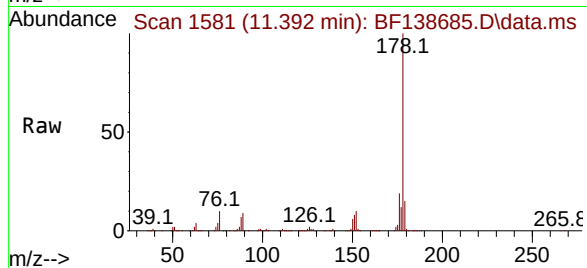
Tgt Ion:178 Resp: 575040

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.4 12.2 18.2



#72

Anthracene

Concen: 47.539 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

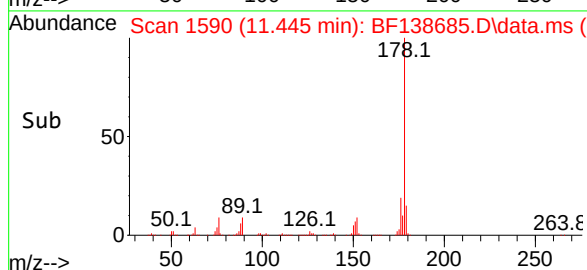
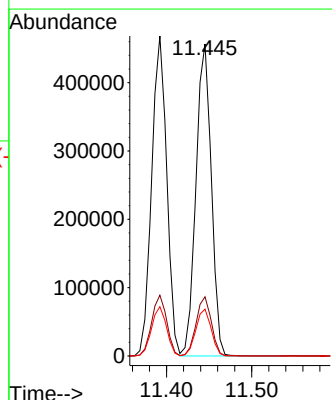
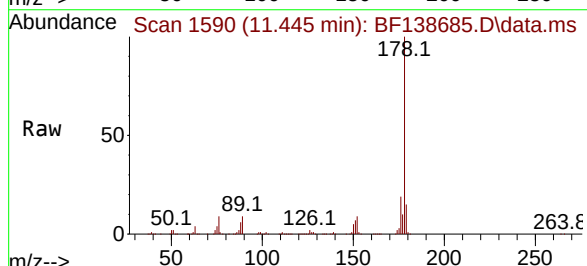
Tgt Ion:178 Resp: 571666

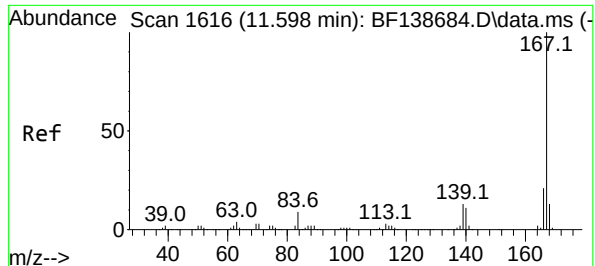
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

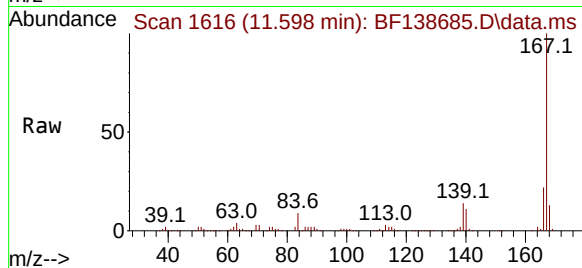
179 15.0 12.4 18.6



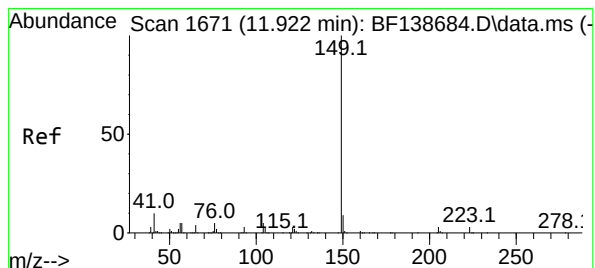
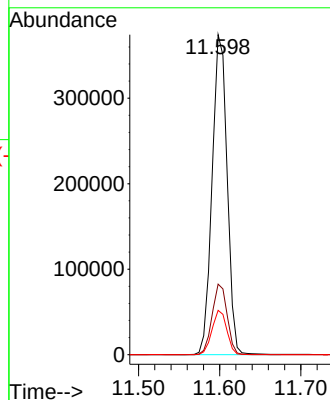


#73
Carbazole
Concen: 46.275 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

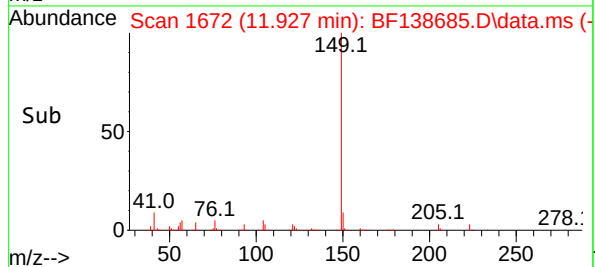
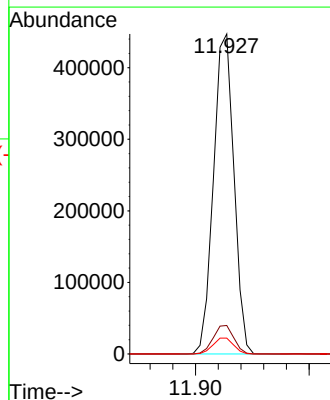
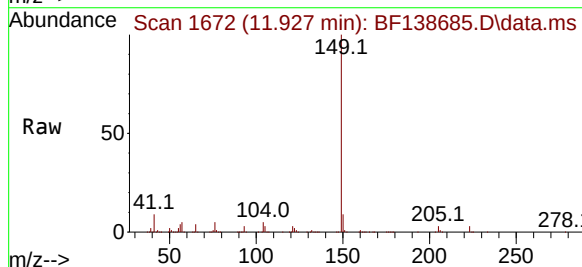


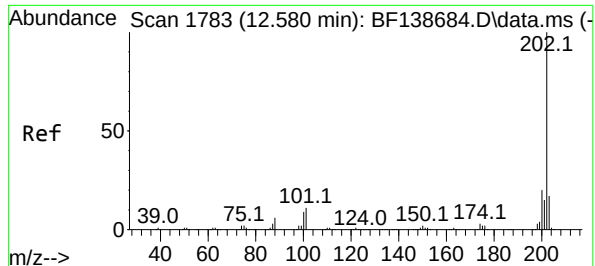
Tgt Ion:167 Resp: 480092
Ion Ratio Lower Upper
167 100
166 22.1 17.2 25.8
139 13.9 10.6 16.0



#74
Di-n-butylphthalate
Concen: 47.956 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 559303
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 5.0 4.1 6.1

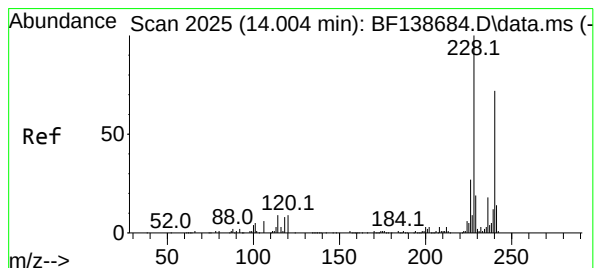
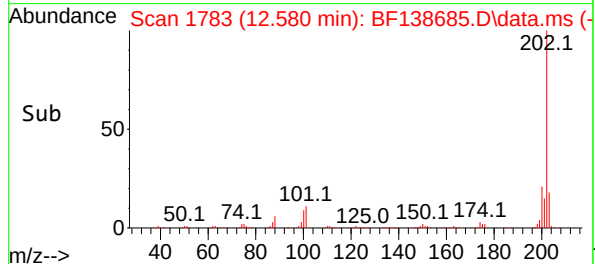
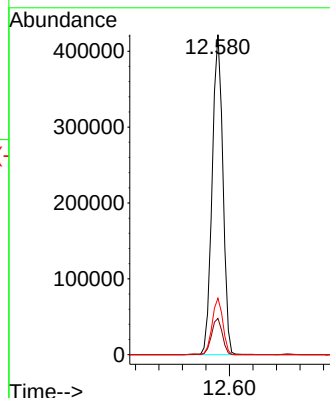
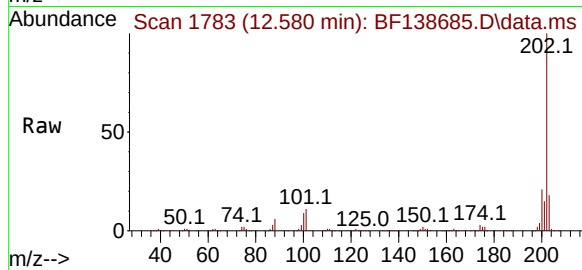




#75
Fluoranthene
Concen: 46.772 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

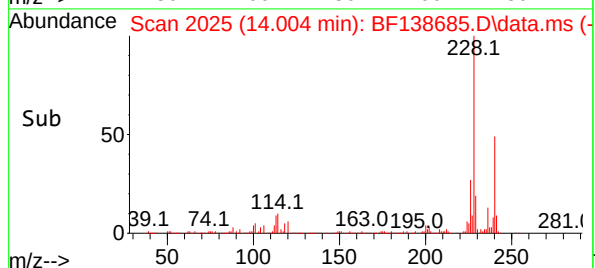
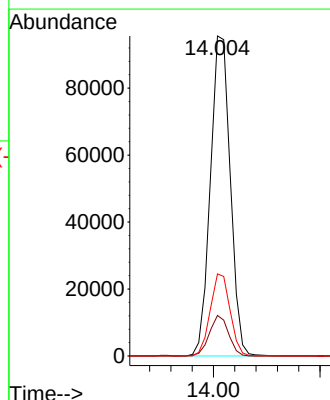
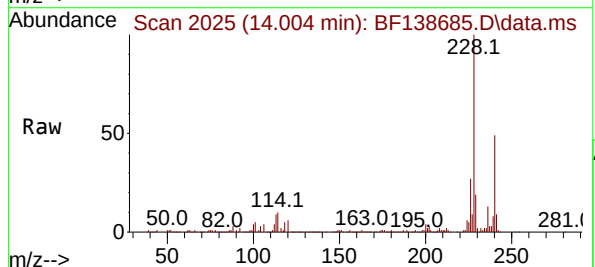
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

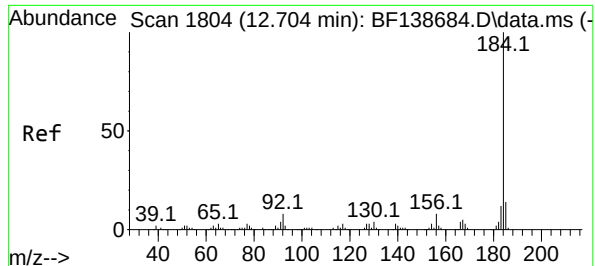
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.2
203	17.7	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.2	15.4
236	25.7	19.8	29.8

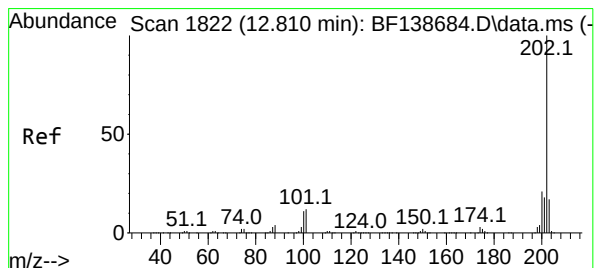
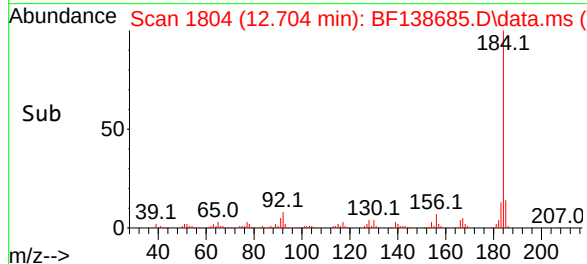
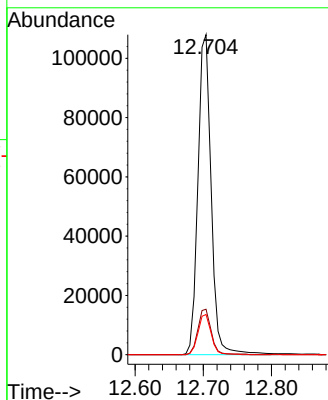
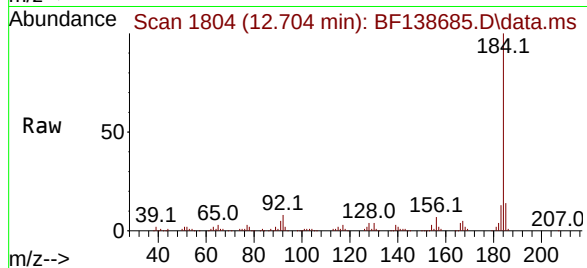




#77
Benzidine
Concen: 49.129 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

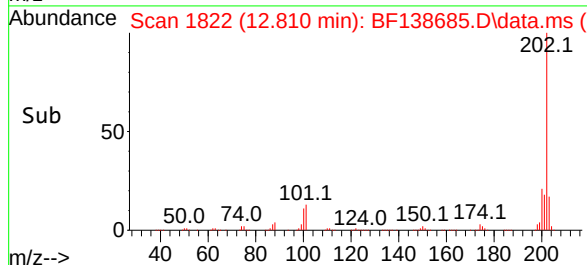
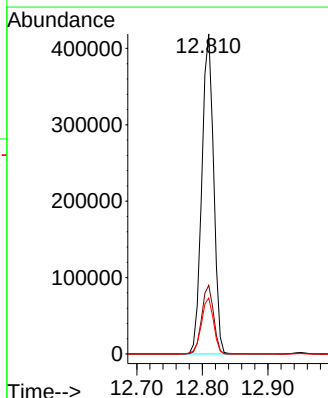
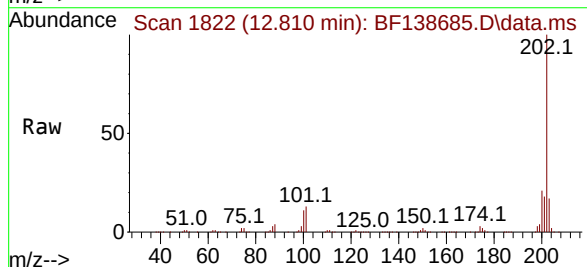
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

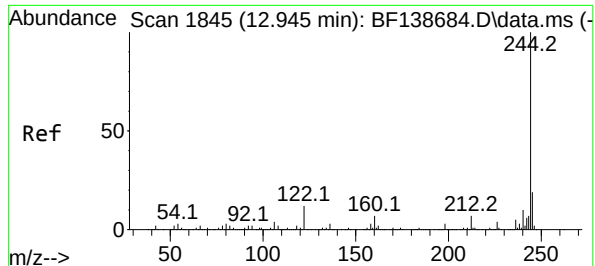
Tgt Ion:184 Resp: 145955
Ion Ratio Lower Upper
184 100
185 14.2 11.1 16.7
183 12.6 9.6 14.4



#78
Pyrene
Concen: 44.974 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

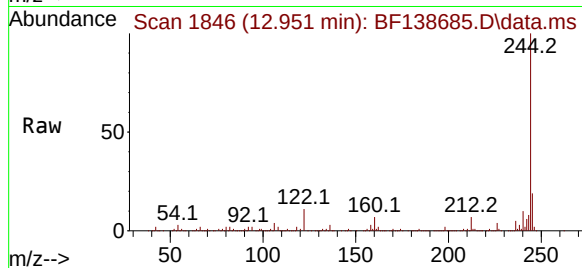
Tgt Ion:202 Resp: 525950
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 17.5 13.8 20.6



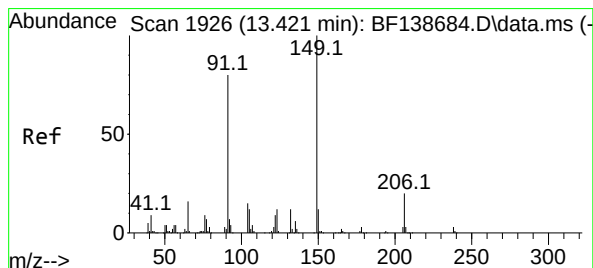
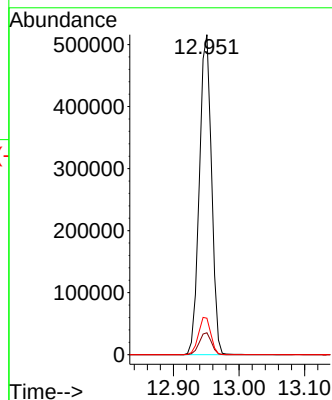
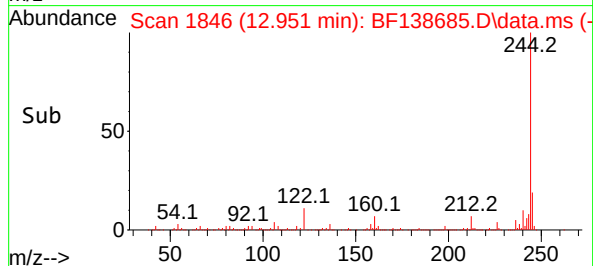


#79
Terphenyl-d14
Concen: 89.751 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

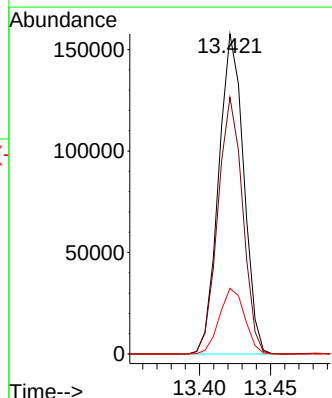
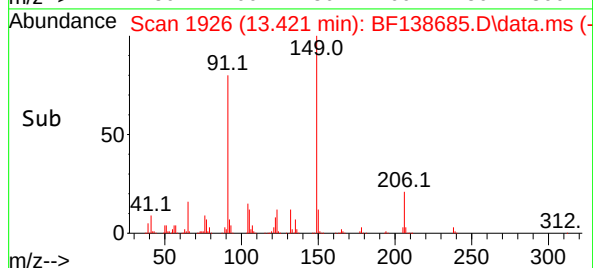
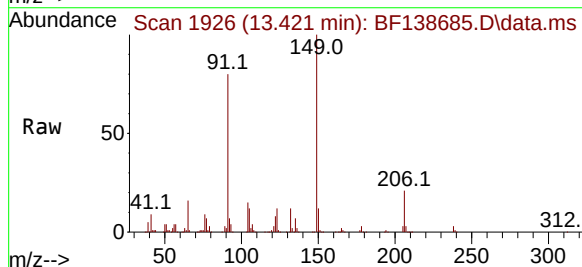


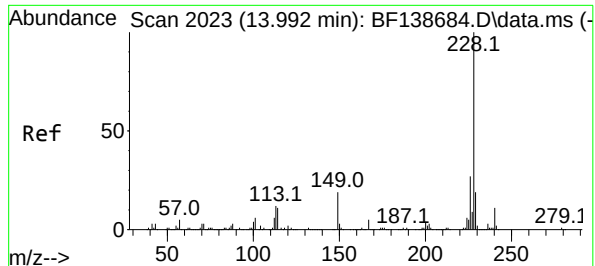
Tgt Ion:244 Resp: 665833
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.4 9.6 14.4



#80
Butylbenzylphthalate
Concen: 51.575 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

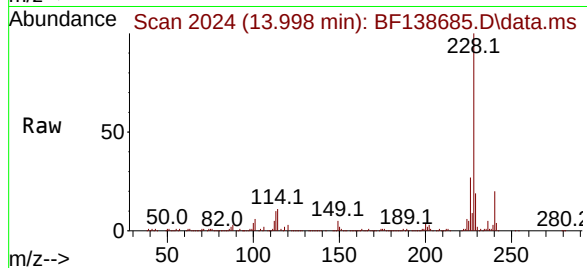
Tgt Ion:149 Resp: 193143
Ion Ratio Lower Upper
149 100
91 80.2 63.7 95.5
206 20.5 16.2 24.2



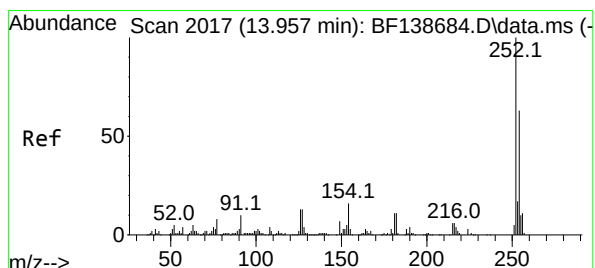
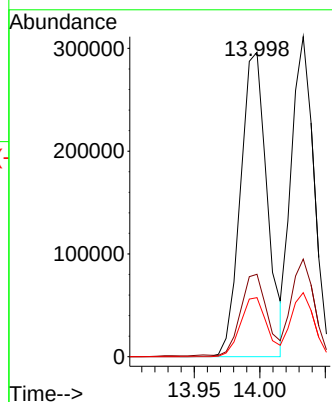
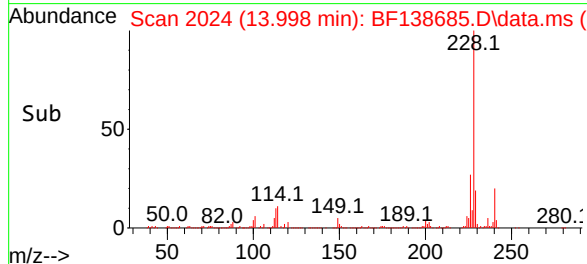


#81
Benzo(a)anthracene
Concen: 49.040 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

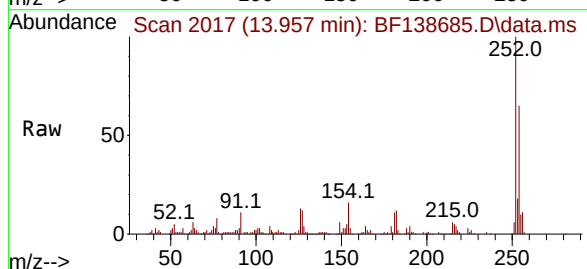
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



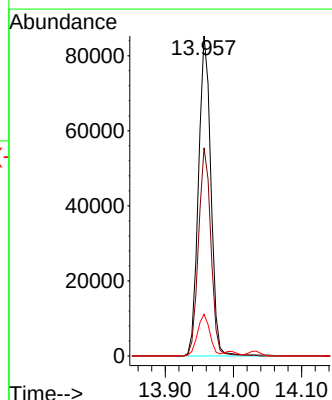
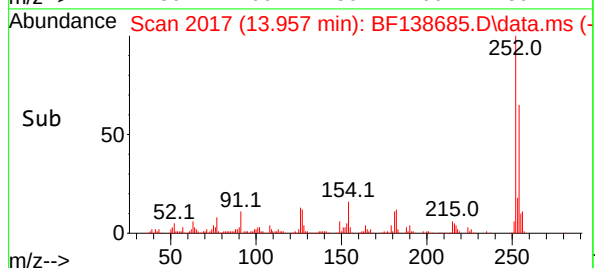
Tgt Ion:228 Resp: 419449
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 19.4 15.4 23.0

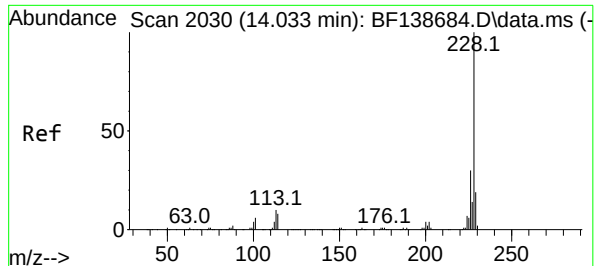


#82
3,3'-Dichlorobenzidine
Concen: 49.088 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27



Tgt Ion:252 Resp: 107444
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 13.1 10.2 15.2

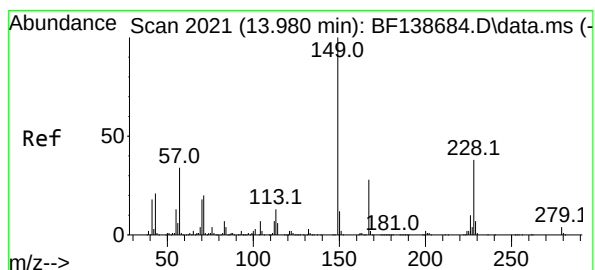
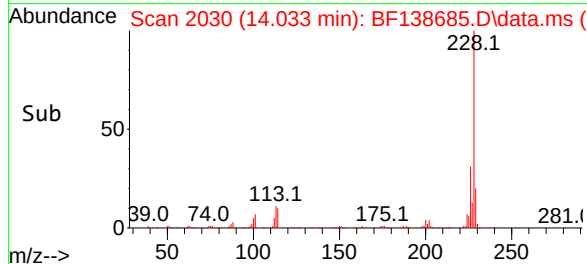
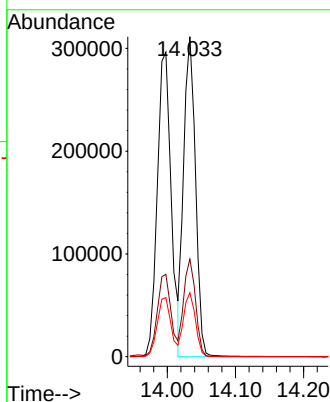
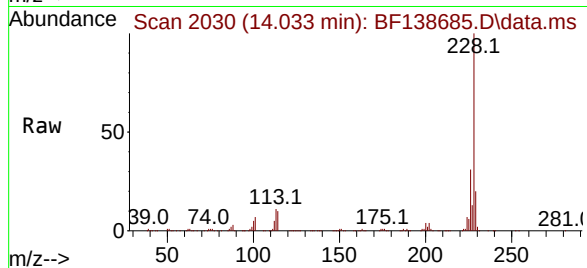




#83
Chrysene
Concen: 48.391 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

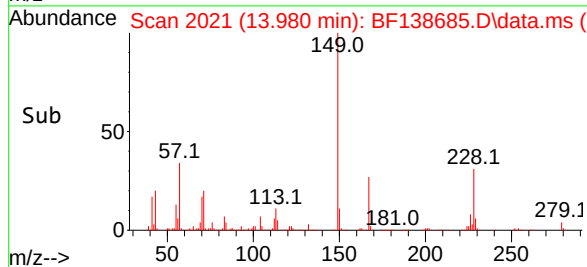
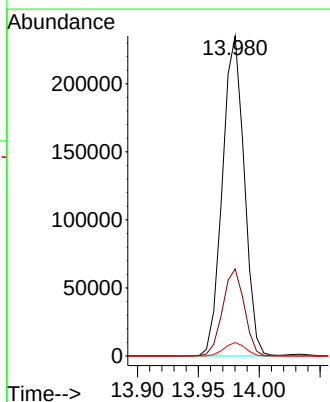
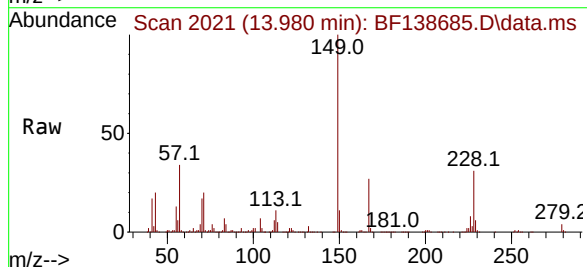
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

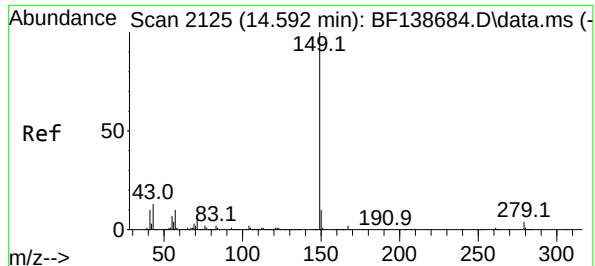
Tgt Ion:228 Resp: 373417
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 20.0 15.0 22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.519 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 293490
Ion Ratio Lower Upper
149 100
167 27.2 22.2 33.4
279 4.2 3.4 5.0

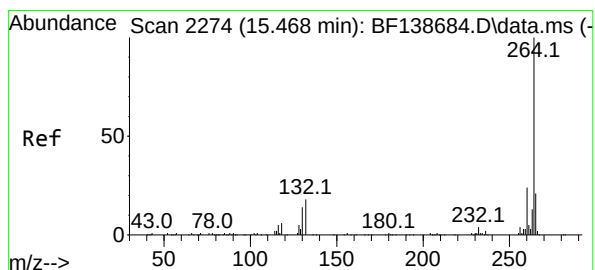
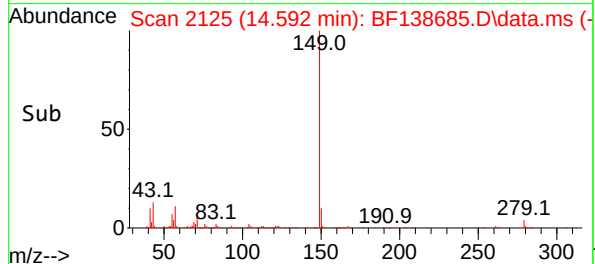
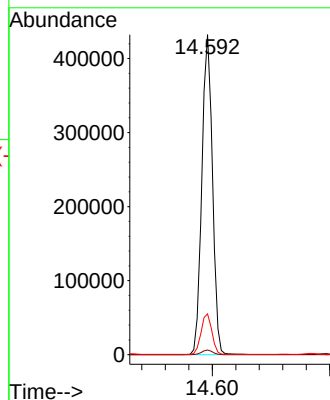
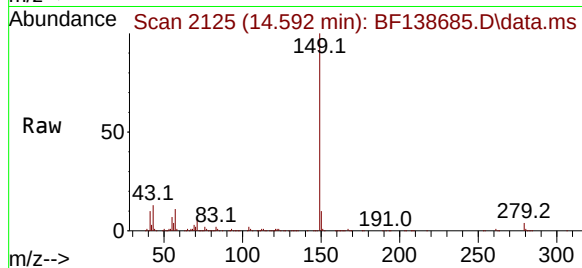




#85
Di-n-octyl phthalate
Concen: 53.306 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

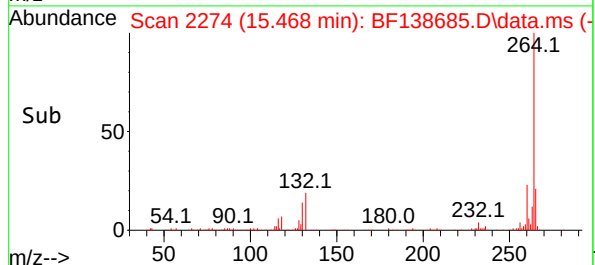
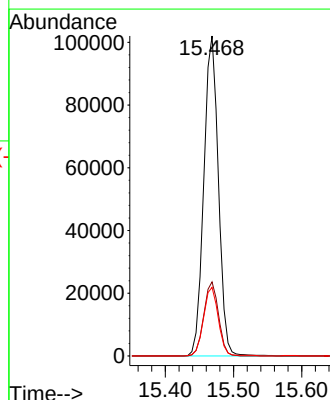
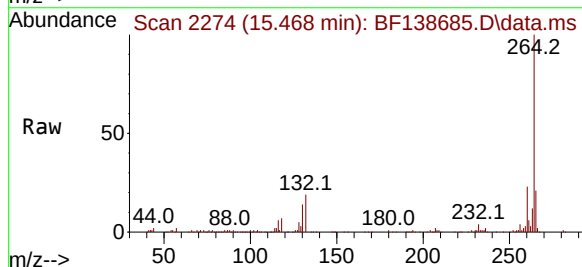
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

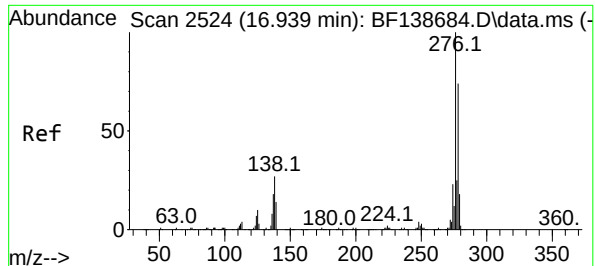
Tgt Ion:149 Resp: 540838
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.0 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:264 Resp: 151751
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 21.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.039 ng

RT: 16.939 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

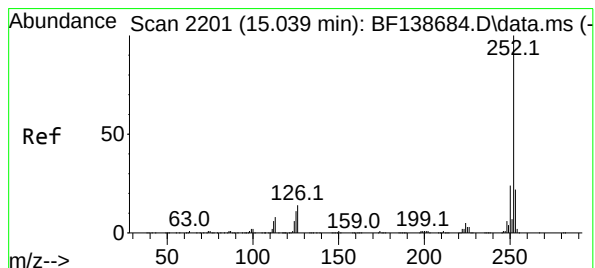
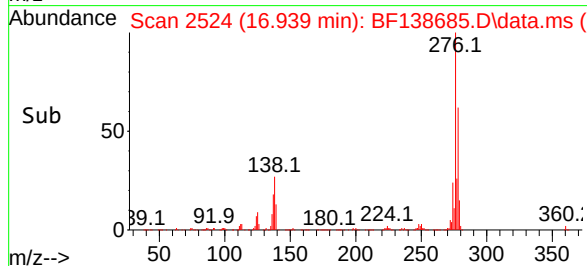
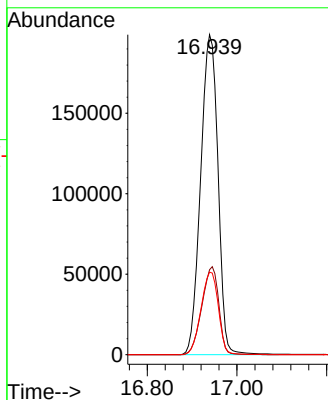
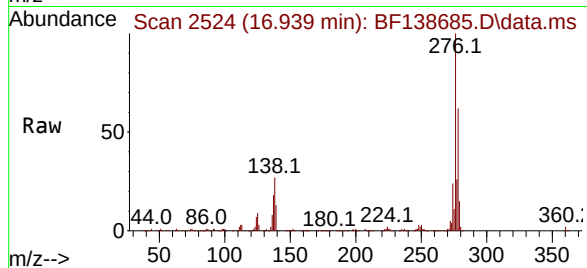
Tgt Ion:276 Resp: 533298

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.8

277 25.8 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 47.613 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

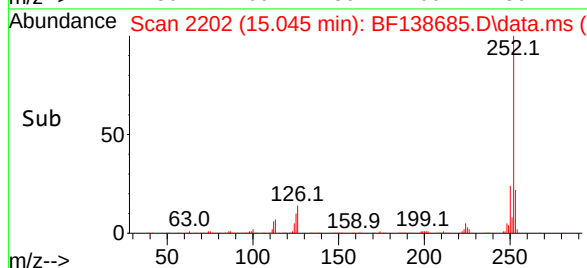
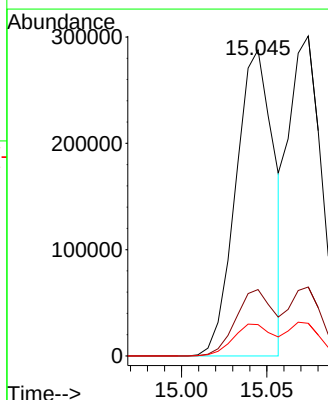
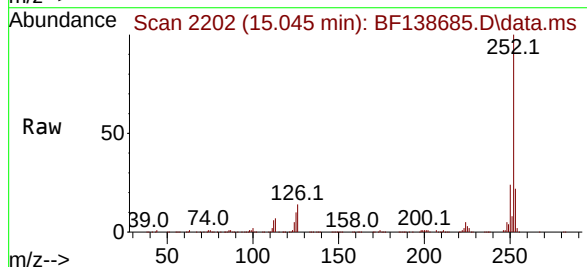
Tgt Ion:252 Resp: 447896

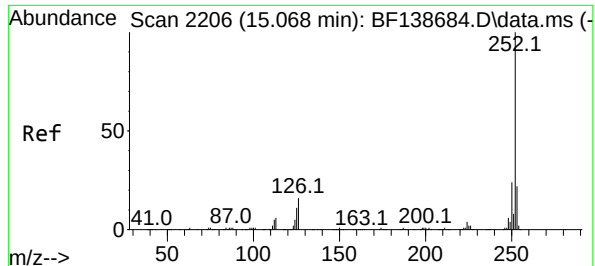
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 49.358 ng

RT: 15.074 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

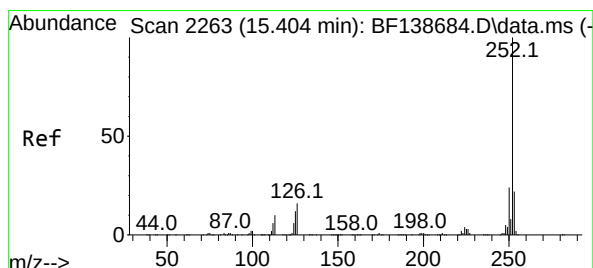
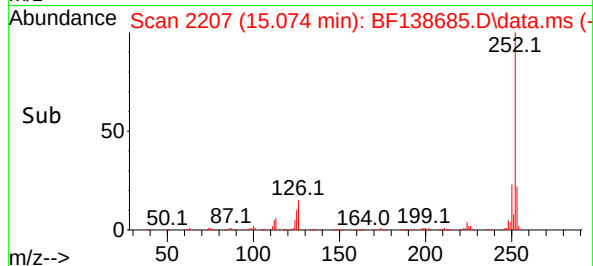
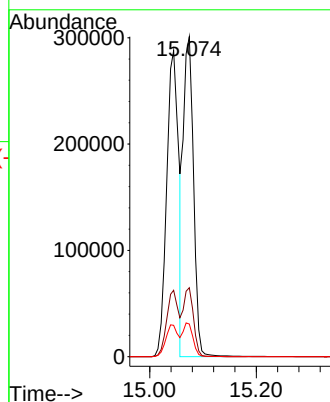
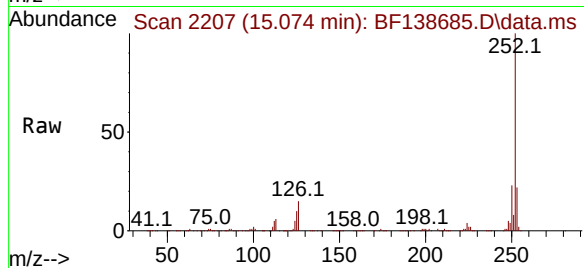
Tgt Ion:252 Resp: 402008

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.2 8.6 13.0



#90

Benzo(a)pyrene

Concen: 49.199 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

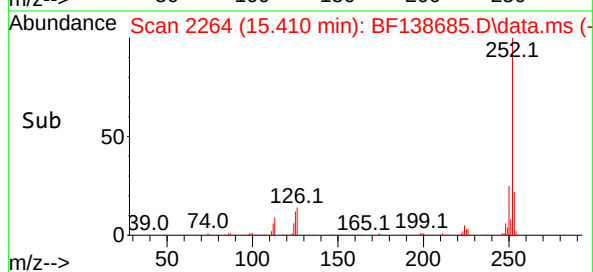
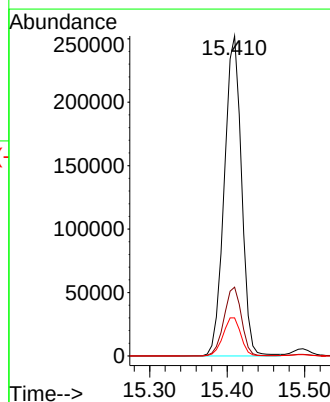
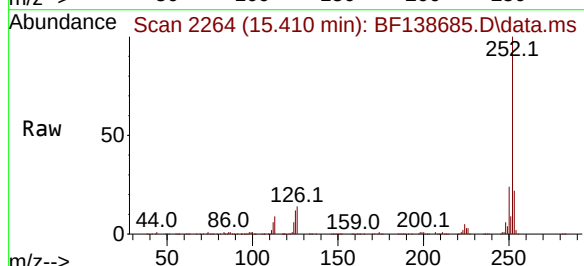
Tgt Ion:252 Resp: 389298

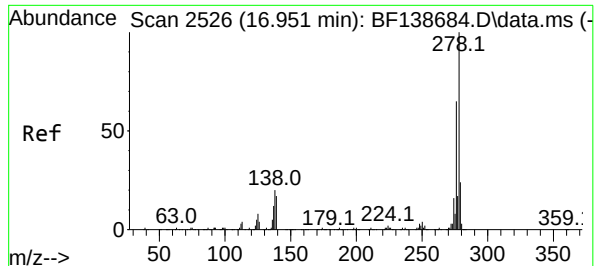
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 11.9 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 48.460 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

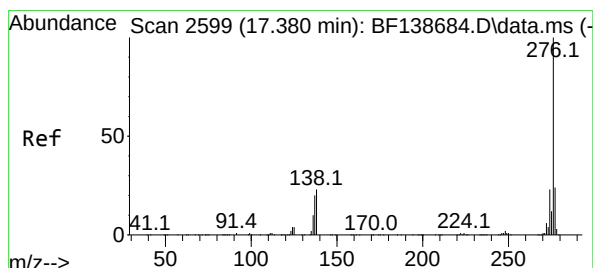
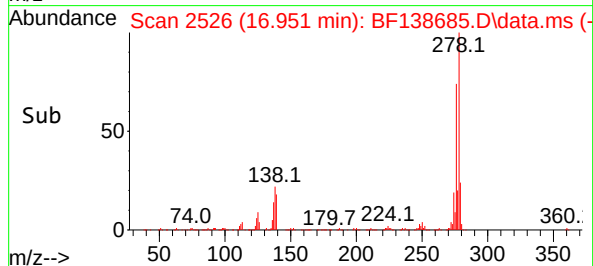
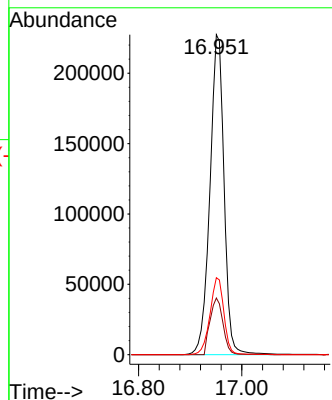
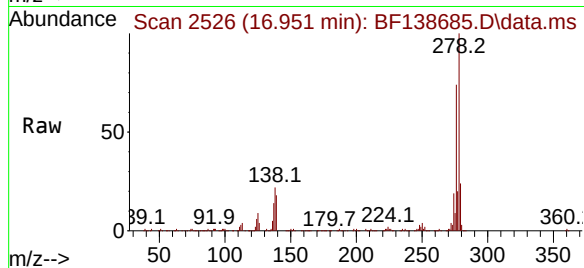
Tgt Ion:278 Resp: 432604

Ion Ratio Lower Upper

278 100

139 17.7 14.0 21.0

279 24.1 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 48.997 ng

RT: 17.386 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF138685.D

Acq: 30 Jul 2024 15:27

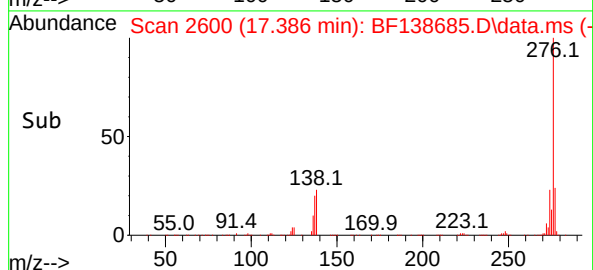
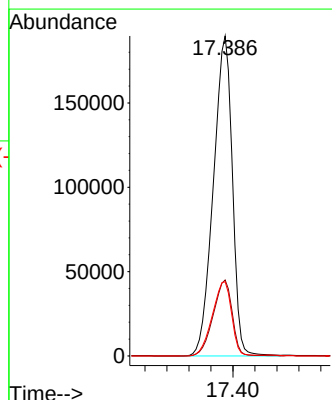
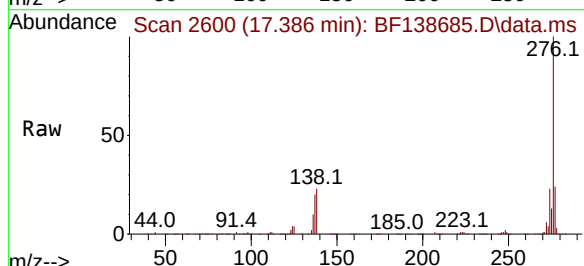
Tgt Ion:276 Resp: 453886

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 23.2 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138686.D
 Acq On : 30 Jul 2024 15:58
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 30 17:46:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	83492	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	334760	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	181338	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	299773	20.000	ng	0.00
76) Chrysene-d12	14.010	240	135234	20.000	ng	0.00
86) Perylene-d12	15.468	264	151051	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	629095	116.311	ng	0.00
7) Phenol-d6	6.492	99	843765	116.193	ng	0.00
23) Nitrobenzene-d5	7.416	82	813835	118.860	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	180537	121.541	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1351342	111.967	ng	0.00
79) Terphenyl-d14	12.951	244	981714	121.541	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.604	88	140904	59.504	ng	99
3) Pyridine	3.357	79	340220	59.310	ng	98
4) n-Nitrosodimethylamine	3.328	42	212531	62.209	ng	99
6) Aniline	6.516	93	370584	57.223	ng	# 79
8) 2-Chlorophenol	6.639	128	331893	58.323	ng	99
10) Phenol	6.510	94	443551	58.012	ng	88
11) bis(2-Chloroethyl)ether	6.587	93	354634	60.274	ng	99
12) 1,3-Dichlorobenzene	6.787	146	367637	57.714	ng	98
13) 1,4-Dichlorobenzene	6.863	146	368108	57.263	ng	99
14) 1,2-Dichlorobenzene	7.022	146	340797	56.726	ng	99
15) Benzyl Alcohol	6.992	79	312171	59.644	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	580475	57.327	ng	84
17) 2-Methylphenol	7.110	107	282986	60.223	ng	97
18) Hexachloroethane	7.357	117	141381	58.427	ng	98
19) n-Nitroso-di-n-propyla...	7.269	70	256740	58.537	ng	98
20) 3+4-Methylphenols	7.263	107	341873	56.705	ng	96
22) Acetophenone	7.263	105	477062	58.203	ng	# 99
24) Nitrobenzene	7.439	77	410640	58.938	ng	98
25) Isophorone	7.675	82	700155	59.885	ng	99
26) 2-Nitrophenol	7.751	139	185196	61.782	ng	98
27) 2,4-Dimethylphenol	7.786	122	216101	60.254	ng	99
28) bis(2-Chloroethoxy)met...	7.881	93	417700	58.667	ng	99
29) 2,4-Dichlorophenol	7.992	162	276792	60.060	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	308922	58.085	ng	98
31) Naphthalene	8.151	128	1018783	57.817	ng	99
32) Benzoic acid	7.939	122	191273	67.875	ng	99
33) 4-Chloroaniline	8.210	127	359031	60.700	ng	99
34) Hexachlorobutadiene	8.263	225	188273	58.445	ng	98
35) Caprolactam	8.592	113	86887	63.184	ng	96
36) 4-Chloro-3-methylphenol	8.692	107	315510	59.904	ng	98
37) 2-Methylnaphthalene	8.839	142	643115	57.790	ng	99
38) 1-Methylnaphthalene	8.939	142	633938	58.134	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	290297	57.629	ng	99
41) Hexachlorocyclopentadiene	8.992	237	79605	61.472	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	185606	60.432	ng	99
44) 2,4,5-Trichlorophenol	9.169	196	200163	59.615	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138686.D
 Acq On : 30 Jul 2024 15:58
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

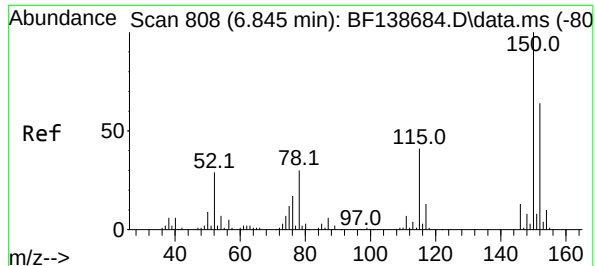
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.310	154	814566	57.355	ng	100
47) 2-Chloronaphthalene	9.333	162	605996	57.372	ng	99
48) 2-Nitroaniline	9.433	65	214695	59.957	ng	100
49) Acenaphthylene	9.745	152	863615	57.648	ng	99
50) Dimethylphthalate	9.610	163	695202	59.957	ng	99
51) 2,6-Dinitrotoluene	9.675	165	163000	62.290	ng	97
52) Acenaphthene	9.922	154	581492	57.743	ng	100
53) 3-Nitroaniline	9.845	138	165034	61.007	ng	98
54) 2,4-Dinitrophenol	9.957	184	82451	68.448	ng	96
55) Dibenzofuran	10.092	168	809534	56.948	ng	99
56) 4-Nitrophenol	10.016	139	107052	65.807	ng	97
57) 2,4-Dinitrotoluene	10.080	165	201610	60.388	ng	93
58) Fluorene	10.433	166	646844	57.140	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	162987	63.494	ng	97
60) Diethylphthalate	10.304	149	661415	60.161	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	321470	57.740	ng	97
62) 4-Nitroaniline	10.463	138	159081	61.881	ng	99
63) Azobenzene	10.586	77	722929	59.288	ng	99
65) 4,6-Dinitro-2-methylph...	10.492	198	115013	62.887	ng	98
66) n-Nitrosodiphenylamine	10.545	169	550299	58.728	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	185589	57.182	ng	98
68) Hexachlorobenzene	10.980	284	197152	58.832	ng	96
69) Atrazine	11.069	200	137932	57.055	ng	99
70) Pentachlorophenol	11.174	266	101863	67.437	ng	98
71) Phenanthrene	11.398	178	867741	56.216	ng	99
72) Anthracene	11.445	178	869464	57.177	ng	99
73) Carbazole	11.604	167	742002	56.558	ng	99
74) Di-n-butylphthalate	11.927	149	891999	60.481	ng	100
75) Fluoranthene	12.580	202	797022	55.309	ng	99
77) Benzidine	12.704	184	165511	51.170	ng	98
78) Pyrene	12.810	202	782403	61.448	ng	99
80) Butylbenzylphthalate	13.421	149	251612	61.709	ng	99
81) Benzo(a)anthracene	13.998	228	548125	58.859	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	129254	54.238	ng	99
83) Chrysene	14.033	228	498766	59.365	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	343468	57.526	ng	100
85) Di-n-octyl phthalate	14.592	149	637055	57.670	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	636857	58.833	ng	100
88) Benzo(b)fluoranthene	15.045	252	514218	54.916	ng	99
89) Benzo(k)fluoranthene	15.074	252	506146	62.431	ng	99
90) Benzo(a)pyrene	15.410	252	469205	59.572	ng	100
91) Dibenzo(a,h)anthracene	16.956	278	519552	58.470	ng	99
92) Benzo(g,h,i)perylene	17.392	276	542952	58.883	ng	99

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

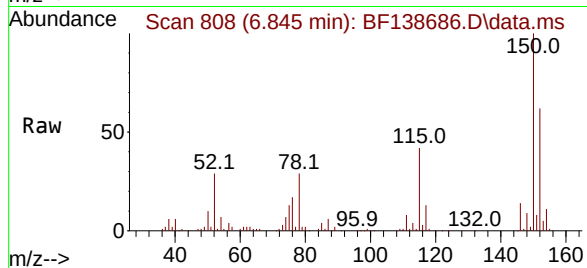
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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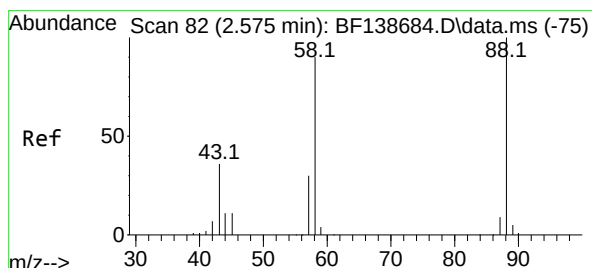
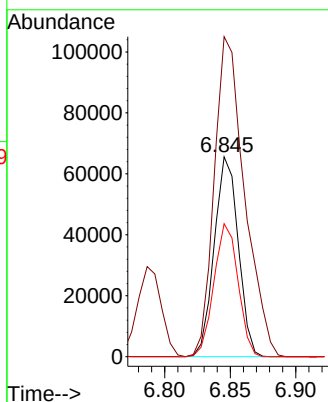
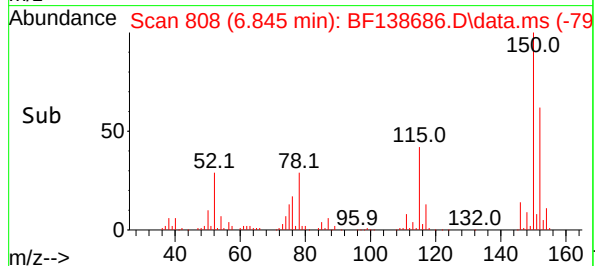


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

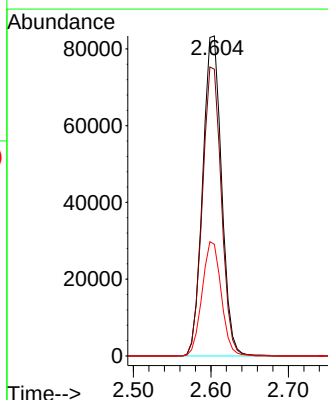
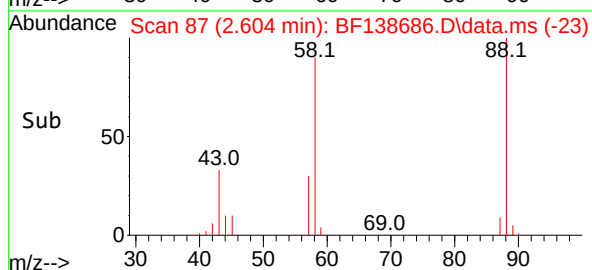
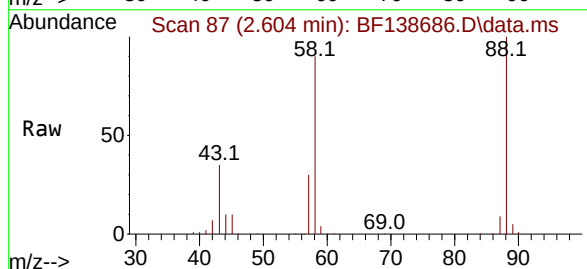


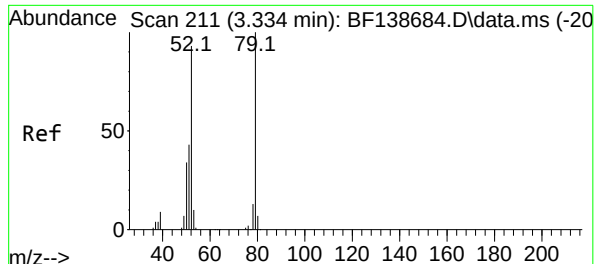
Tgt Ion:152 Resp: 83492
Ion Ratio Lower Upper
152 100
150 160.2 126.0 189.0
115 66.6 51.7 77.5



#2
1,4-Dioxane
Concen: 59.504 ng
RT: 2.604 min Scan# 87
Delta R.T. 0.029 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 88 Resp: 140904
Ion Ratio Lower Upper
88 100
58 90.5 71.6 107.4
43 36.2 28.7 43.1





#3

Pyridine

Concen: 59.310 ng

RT: 3.357 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

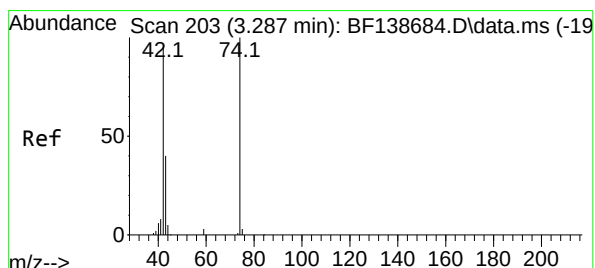
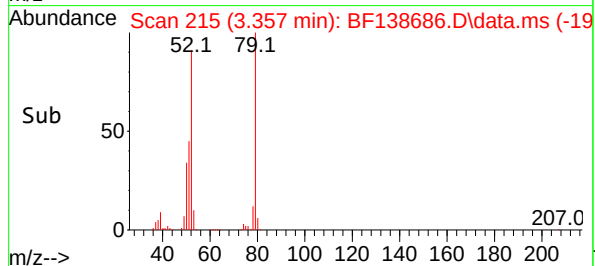
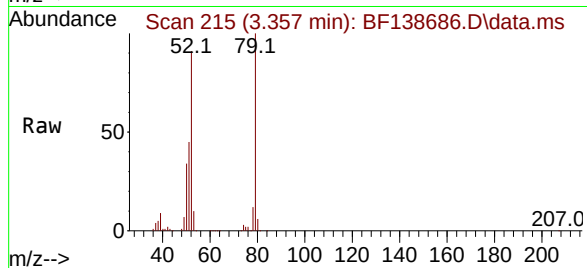
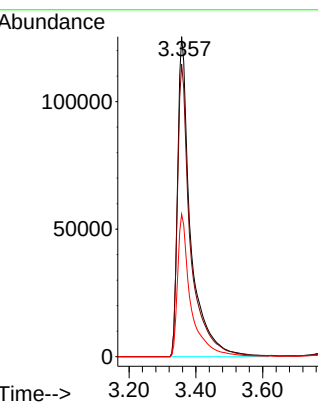
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 340220

Ion	Ratio	Lower	Upper
79	100		
52	91.3	74.7	112.1
51	44.5	34.6	51.8



#4

n-Nitrosodimethylamine

Concen: 62.209 ng

RT: 3.328 min Scan# 210

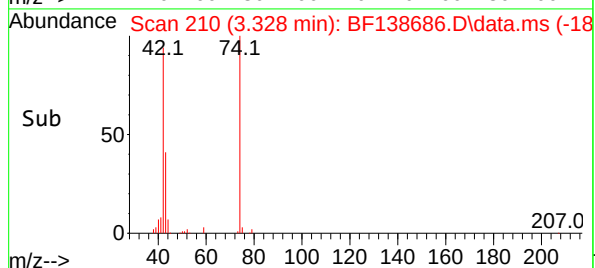
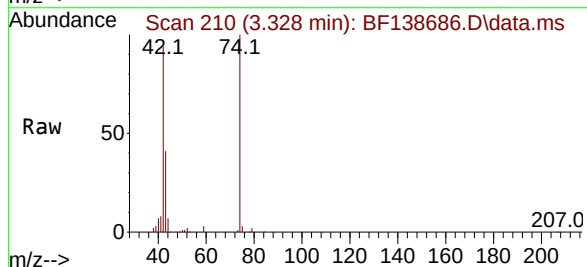
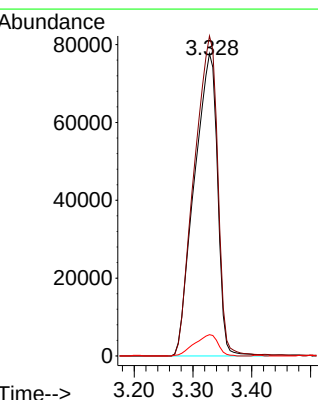
Delta R.T. 0.041 min

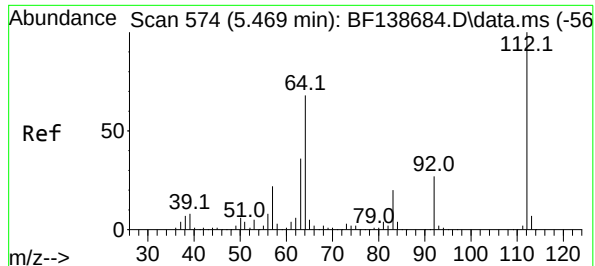
Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Tgt Ion: 42 Resp: 212531

Ion	Ratio	Lower	Upper
42	100		
74	105.8	84.2	126.4
44	7.0	4.9	7.3





#5

2-Fluorophenol

Concen: 116.311 ng

RT: 5.469 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

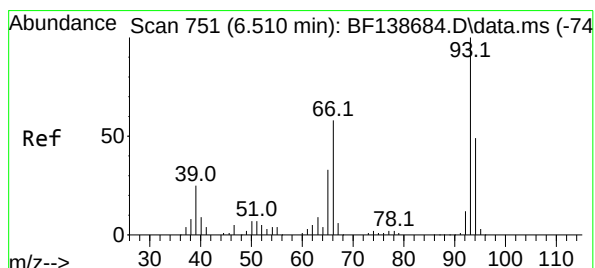
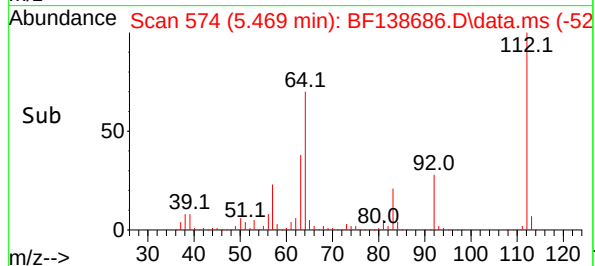
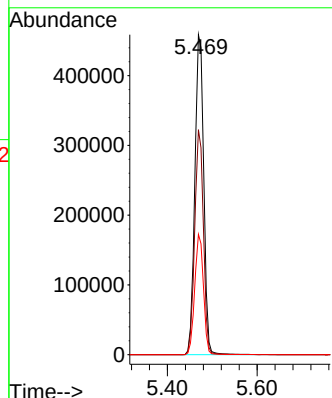
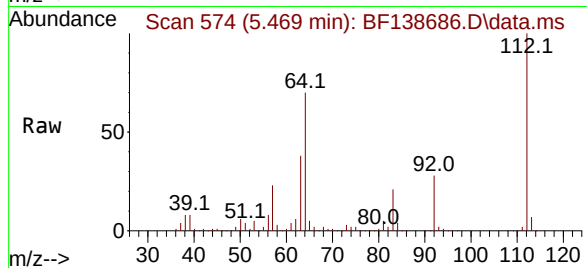
Tgt Ion:112 Resp: 629095

Ion Ratio Lower Upper

112 100

64 70.3 54.2 81.4

63 37.6 28.7 43.1



#6

Aniline

Concen: 57.223 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

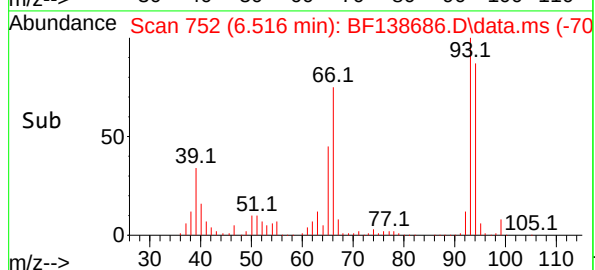
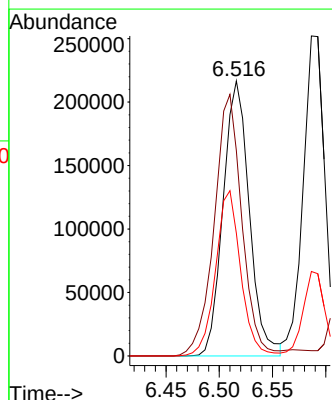
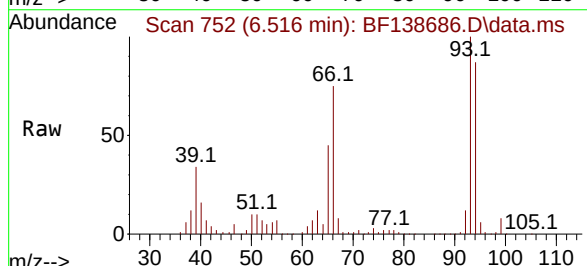
Tgt Ion: 93 Resp: 370584

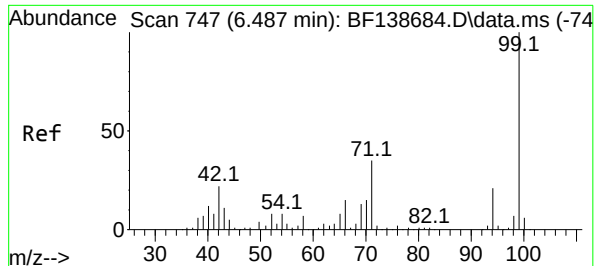
Ion Ratio Lower Upper

93 100

66 74.7 46.9 70.3#

65 44.6 26.5 39.7#

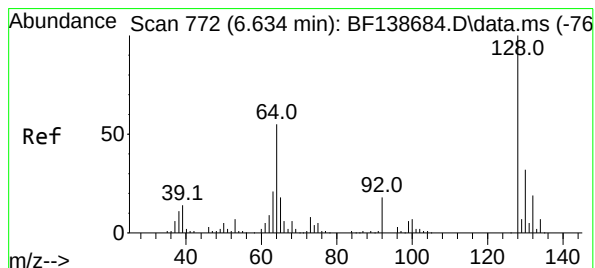
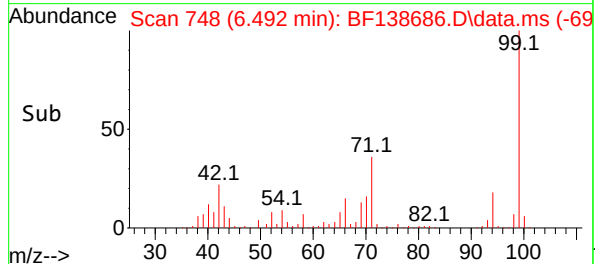
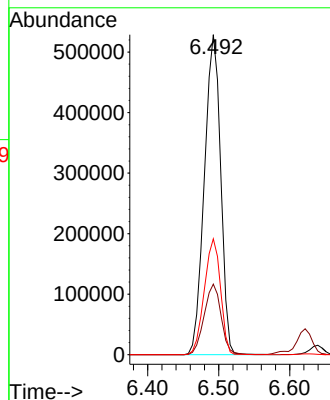
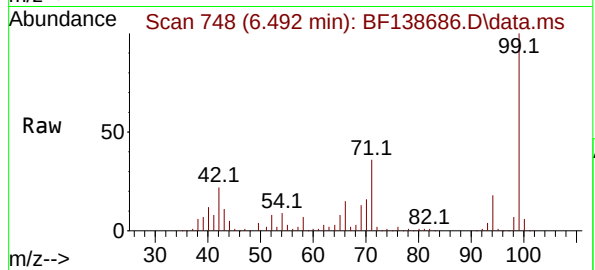




#7
Phenol-d6
Concen: 116.193 ng
RT: 6.492 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

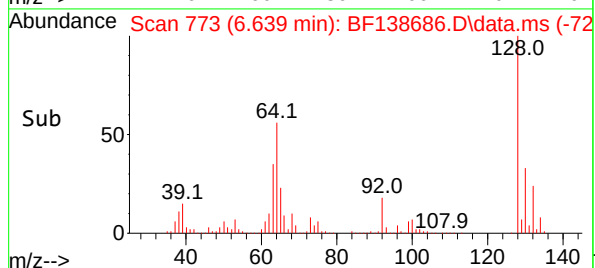
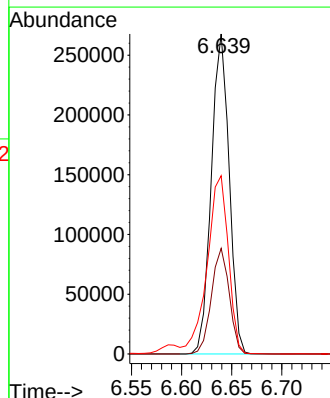
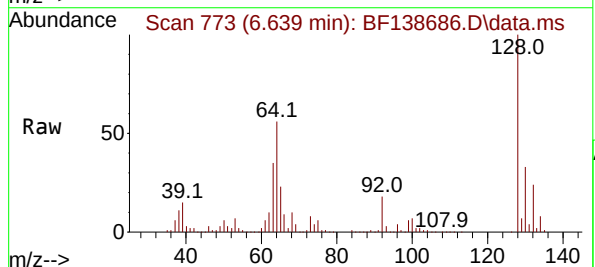
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

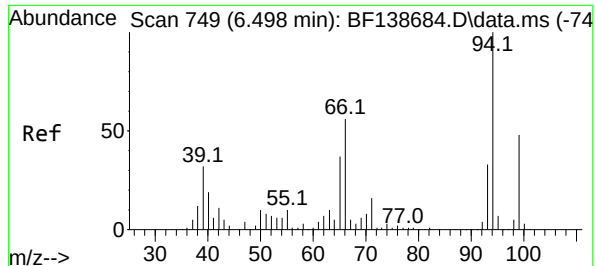
Tgt Ion: 99 Resp: 843765
Ion Ratio Lower Upper
99 100
42 22.0 17.4 26.0
71 36.2 28.1 42.1



#8
2-Chlorophenol
Concen: 58.323 ng
RT: 6.639 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 128 Resp: 331893
Ion Ratio Lower Upper
128 100
130 33.0 12.0 52.0
64 55.7 36.3 76.3





#10

Phenol

Concen: 58.012 ng

RT: 6.510 min Scan# 749

Delta R.T. 0.012 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

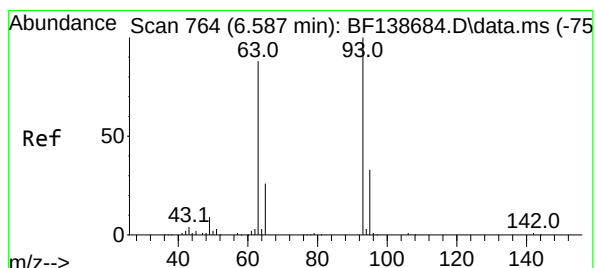
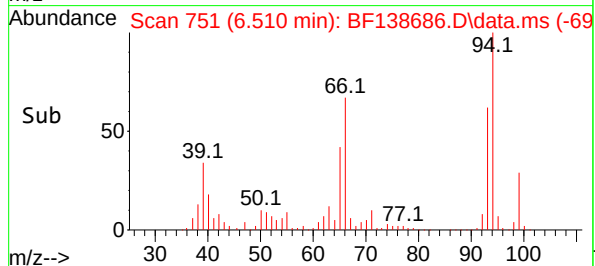
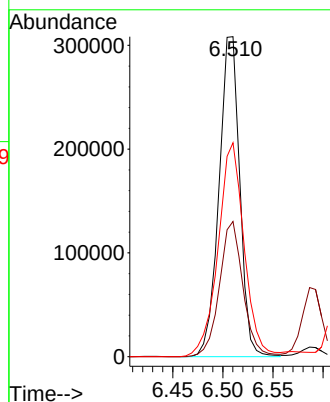
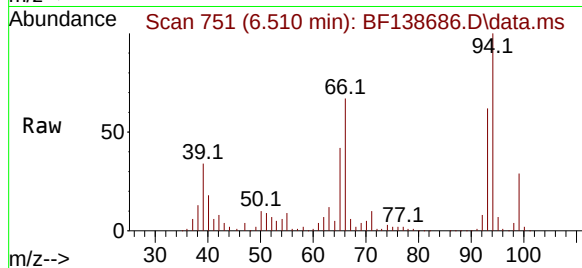
Tgt Ion: 94 Resp: 443551

Ion Ratio Lower Upper

94 100

65 42.2 16.9 56.9

66 66.8 36.5 76.5



#11

bis(2-Chloroethyl)ether

Concen: 60.274 ng

RT: 6.587 min Scan# 764

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

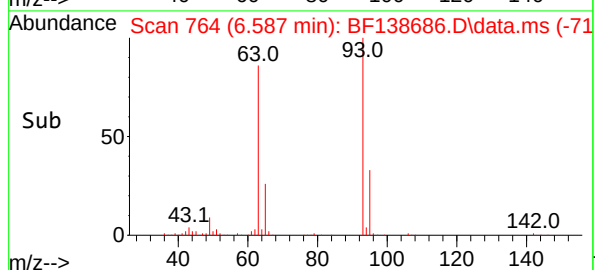
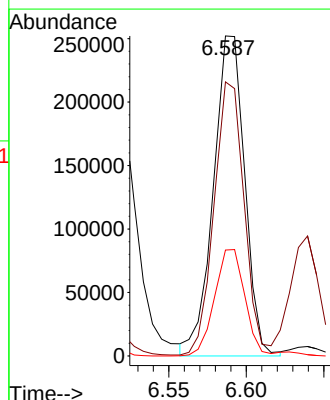
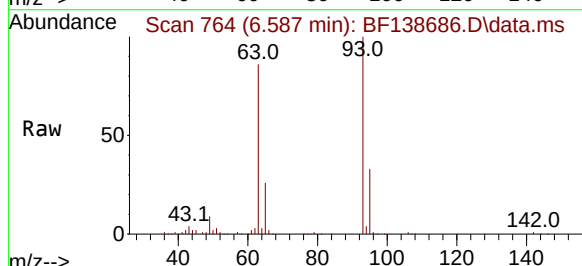
Tgt Ion: 93 Resp: 354634

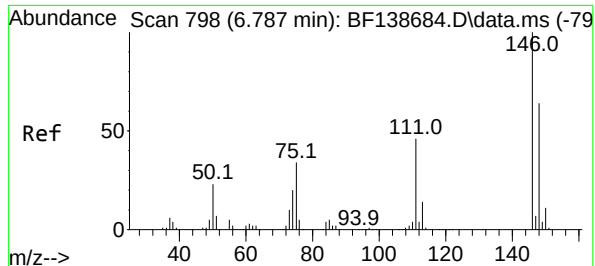
Ion Ratio Lower Upper

93 100

63 85.6 65.3 105.3

95 33.1 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 57.714 ng

RT: 6.787 min Scan# 798

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

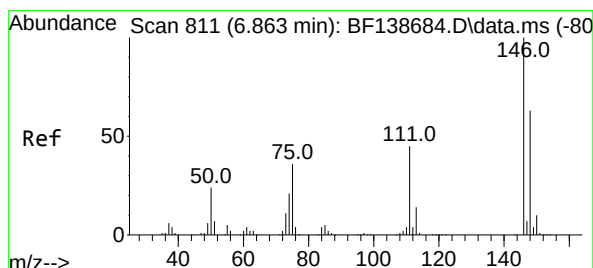
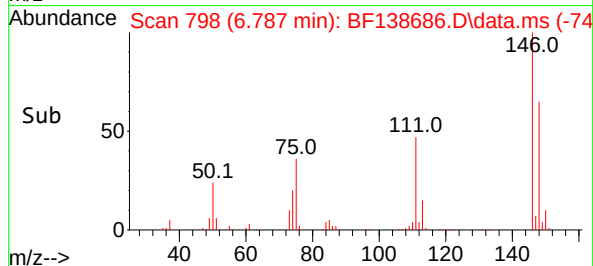
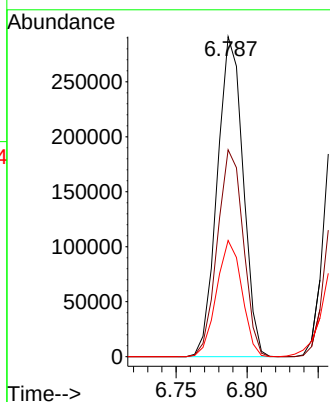
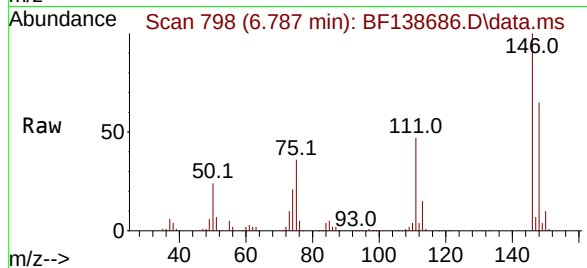
Tgt Ion:146 Resp: 367637

Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

75 36.3 27.4 41.2



#13

1,4-Dichlorobenzene

Concen: 57.263 ng

RT: 6.863 min Scan# 811

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

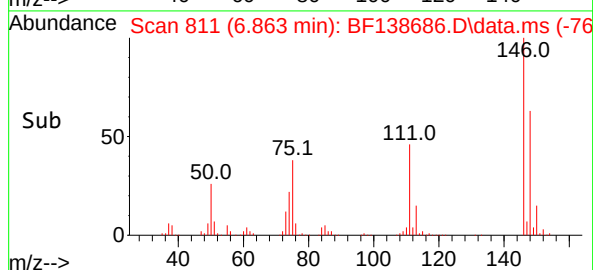
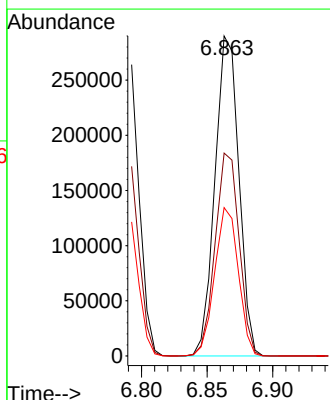
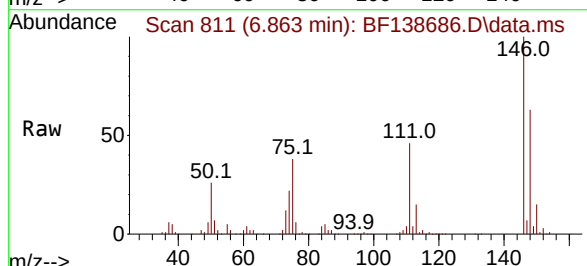
Tgt Ion:146 Resp: 368108

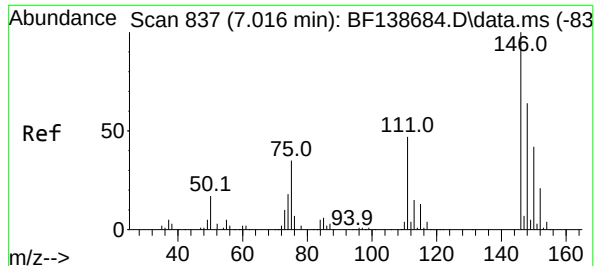
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 46.4 35.9 53.9





#14

1,2-Dichlorobenzene

Concen: 56.726 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

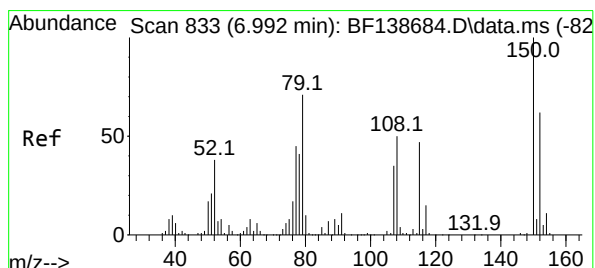
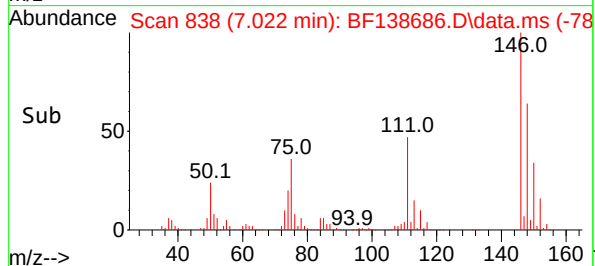
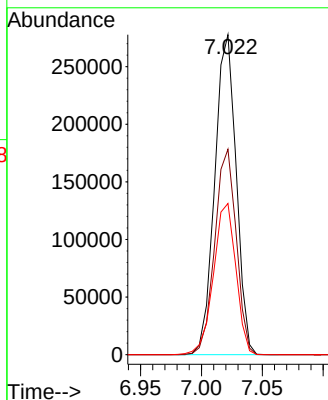
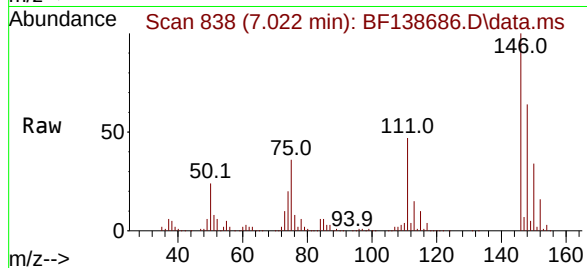
Tgt Ion:146 Resp: 340797

Ion Ratio Lower Upper

146 100

148 64.2 50.8 76.2

111 47.2 37.4 56.2



#15

Benzyl Alcohol

Concen: 59.644 ng

RT: 6.992 min Scan# 833

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

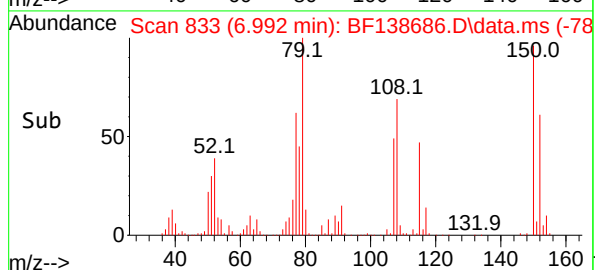
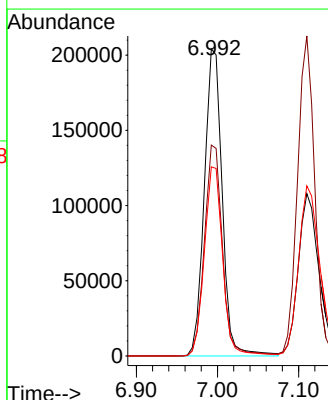
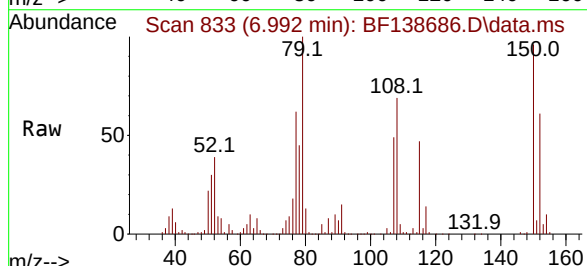
Tgt Ion: 79 Resp: 312171

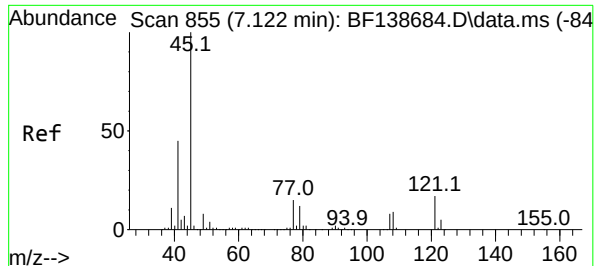
Ion Ratio Lower Upper

79 100

108 68.7 56.6 85.0

77 61.6 50.3 75.5

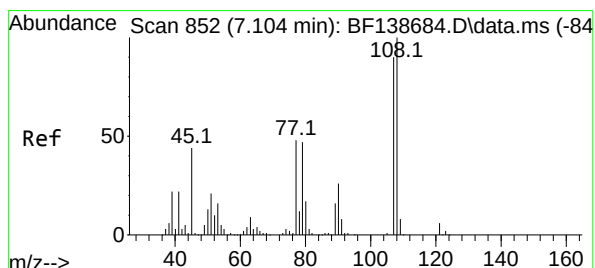
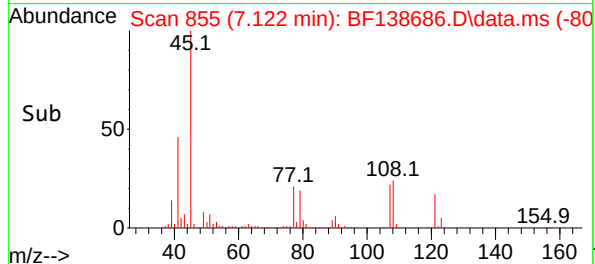
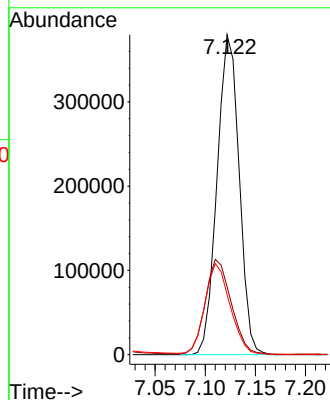
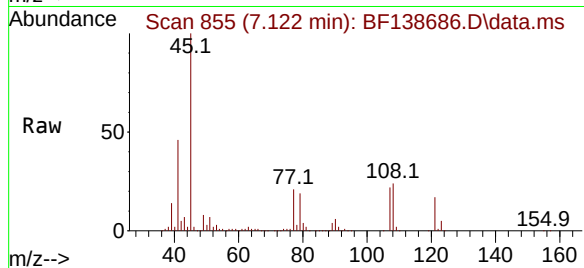




#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.327 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

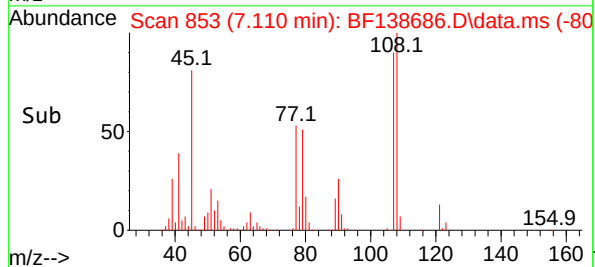
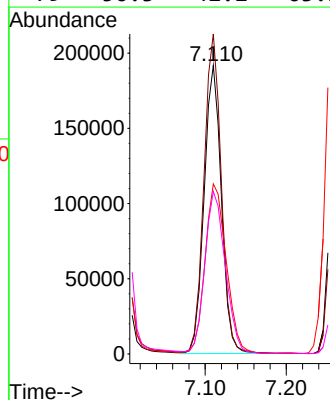
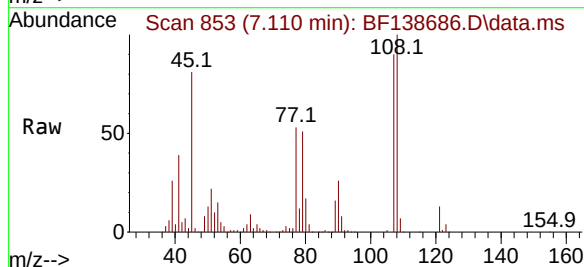
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

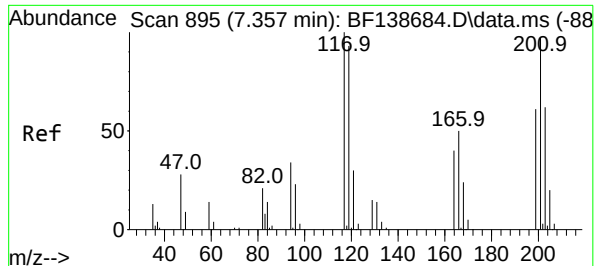
Tgt Ion: 45 Resp: 580475
Ion Ratio Lower Upper
45 100
77 21.2 0.0 34.9
79 18.8 0.0 32.2



#17
2-Methylphenol
Concen: 60.223 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 107 Resp: 282986
Ion Ratio Lower Upper
107 100
108 110.9 89.2 133.8
77 58.9 43.0 64.4
79 56.3 42.2 63.2

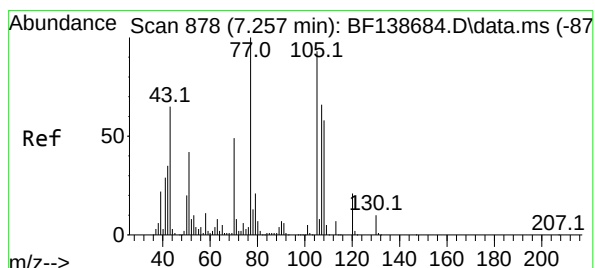
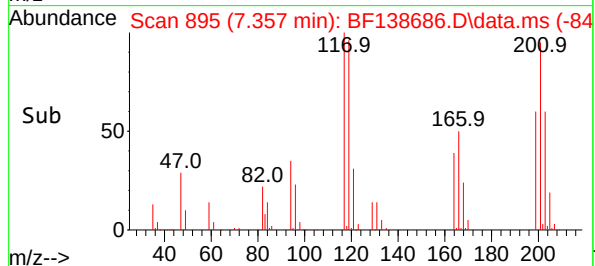
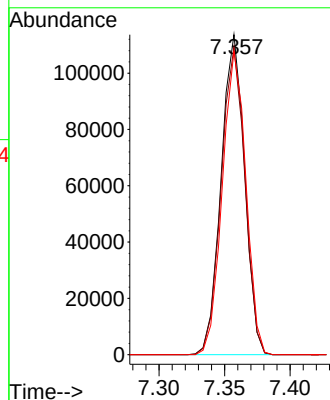
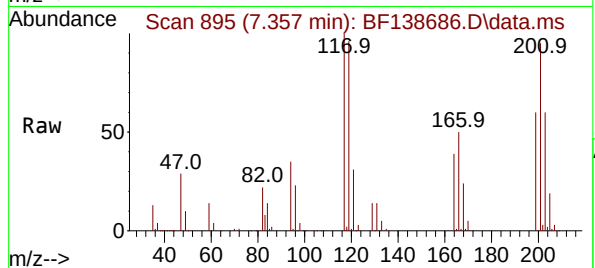




#18
Hexachloroethane
Concen: 58.427 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

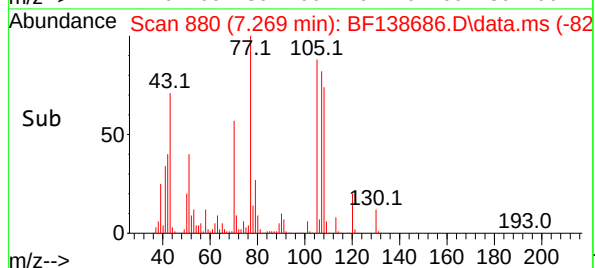
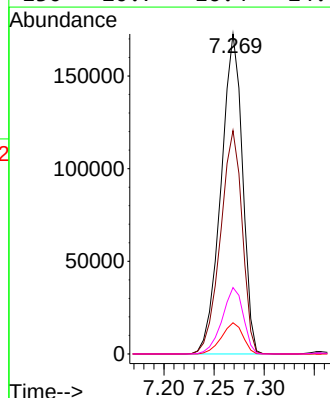
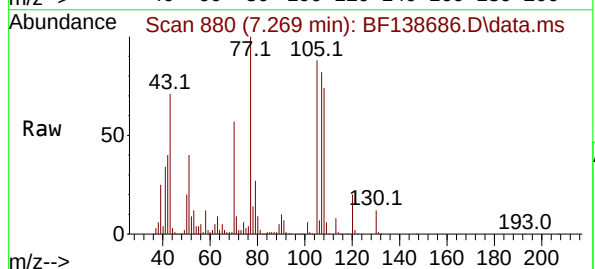
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

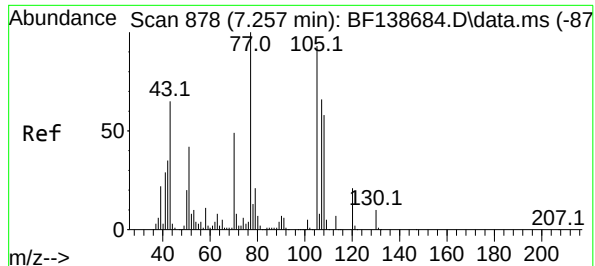
Tgt Ion:117 Resp: 141381
Ion Ratio Lower Upper
117 100
119 96.0 74.6 111.8
201 94.8 77.2 115.8



#19
n-Nitroso-di-n-propylamine
Concen: 58.537 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 70 Resp: 256740
Ion Ratio Lower Upper
70 100
42 69.8 57.4 86.0
101 9.7 7.5 11.3
130 20.7 16.4 24.6





#20

3+4-Methylphenols

Concen: 56.705 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138686.D

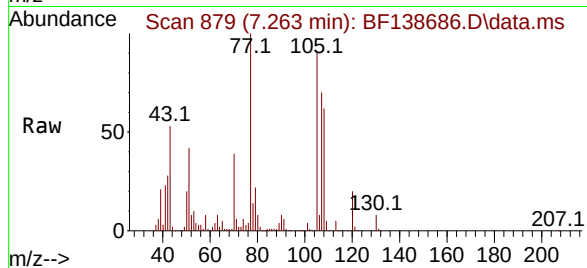
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

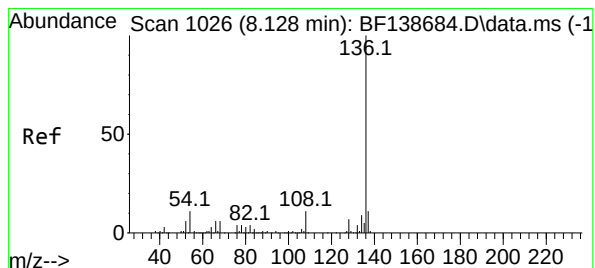
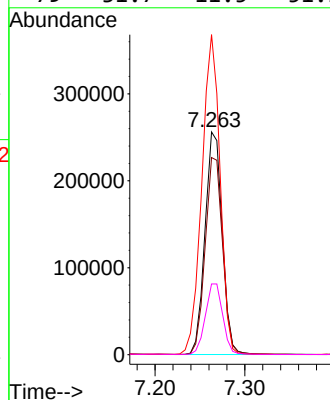
ClientSampleId :

SSTDICC060



Tgt Ion:107 Resp: 341873

Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.2	108.2
77	143.7	132.1	172.1
79	31.7	11.5	51.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

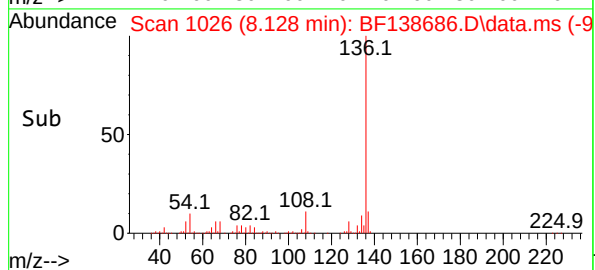
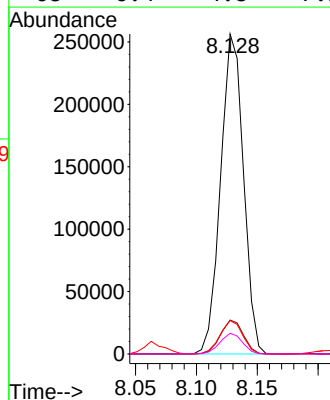
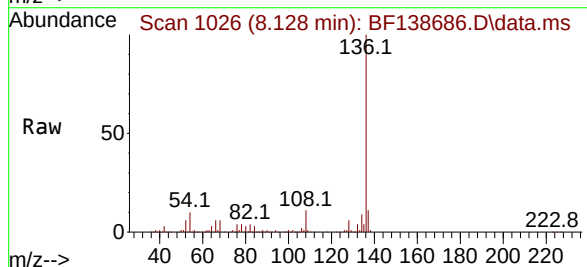
Delta R.T. -0.000 min

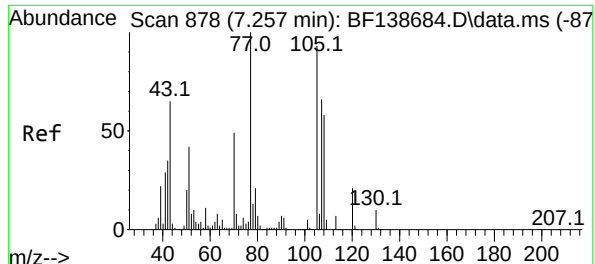
Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Tgt Ion:136 Resp: 334760

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.5	8.6	12.8
68	6.4	4.8	7.2

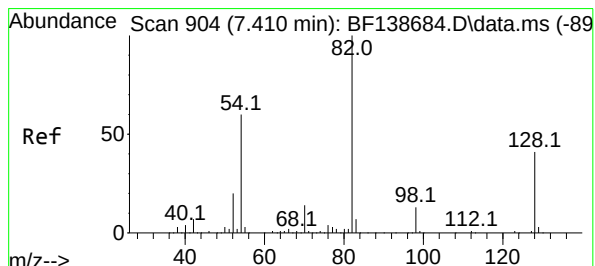
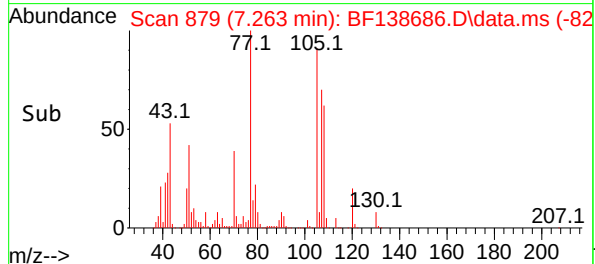
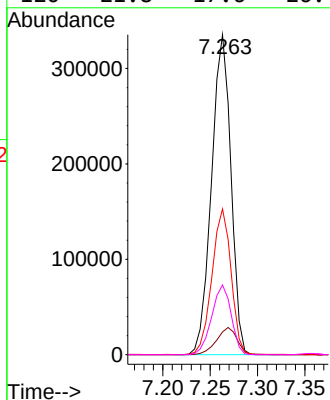
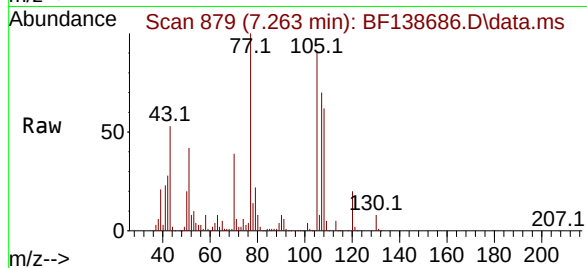




#22
Acetophenone
Concen: 58.203 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

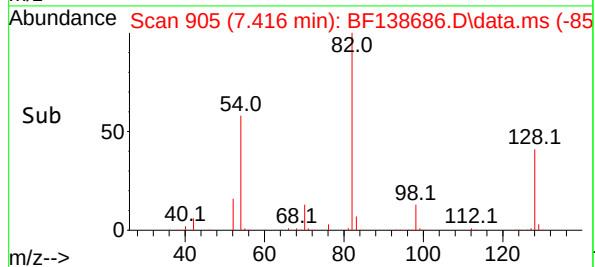
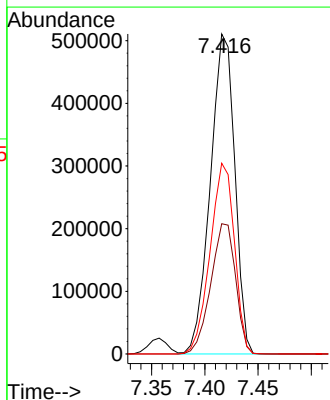
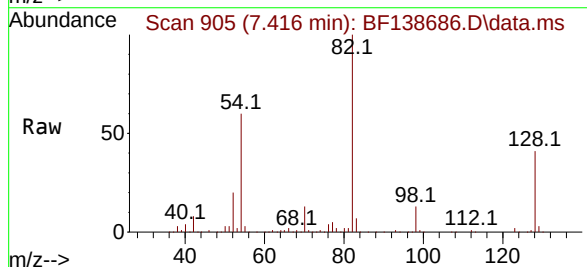
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

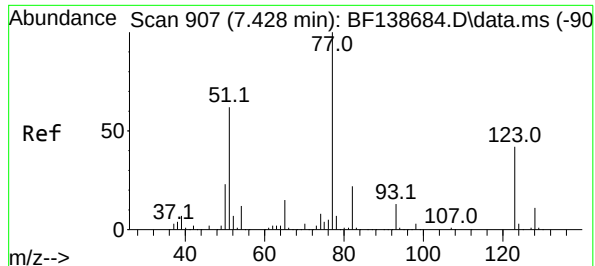
Tgt Ion:105 Resp: 477062
Ion Ratio Lower Upper
105 100
71 7.1 7.2 10.8#
51 45.6 35.9 53.9
120 21.8 17.6 26.4



#23
Nitrobenzene-d5
Concen: 118.860 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 82 Resp: 813835
Ion Ratio Lower Upper
82 100
128 40.7 32.8 49.2
54 59.6 48.3 72.5





#24

Nitrobenzene

Concen: 58.938 ng

RT: 7.439 min Scan# 907

Delta R.T. 0.012 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

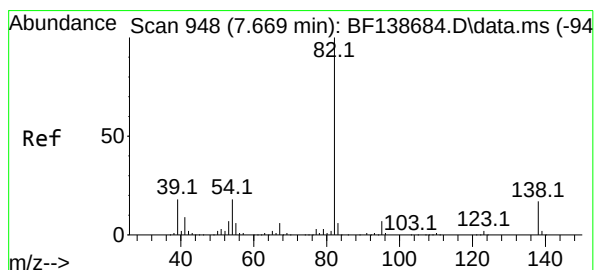
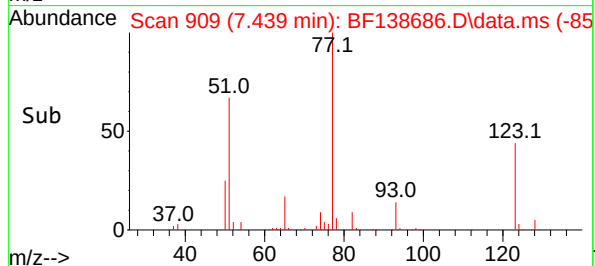
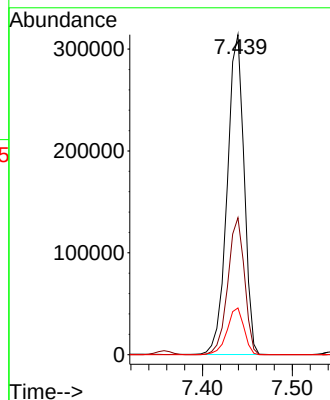
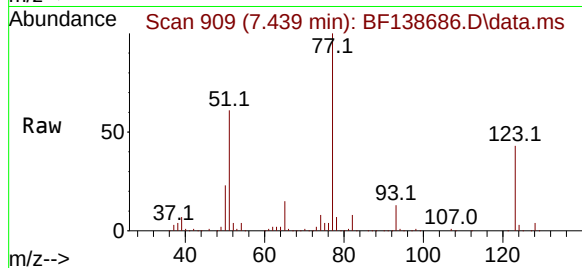
Tgt Ion: 77 Resp: 410640

Ion Ratio Lower Upper

77 100

123 42.8 33.3 49.9

65 14.6 11.9 17.9



#25

Isophorone

Concen: 59.885 ng

RT: 7.675 min Scan# 949

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

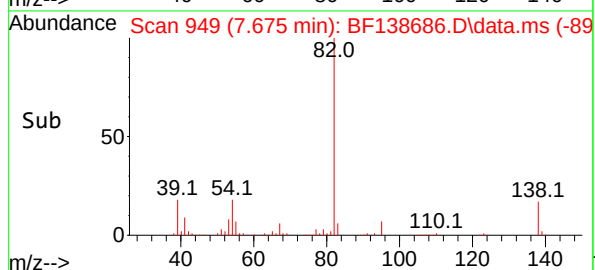
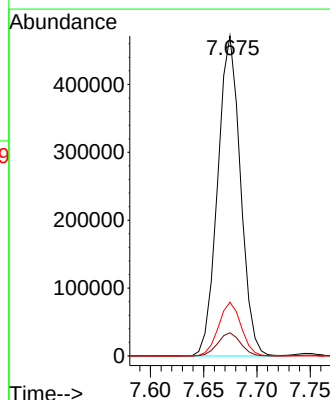
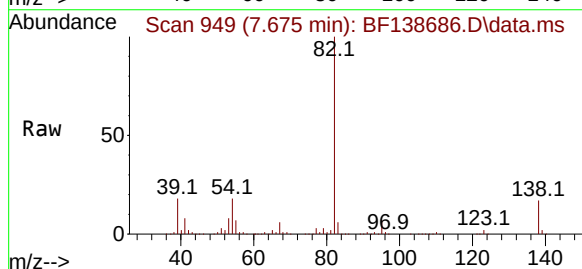
Tgt Ion: 82 Resp: 700155

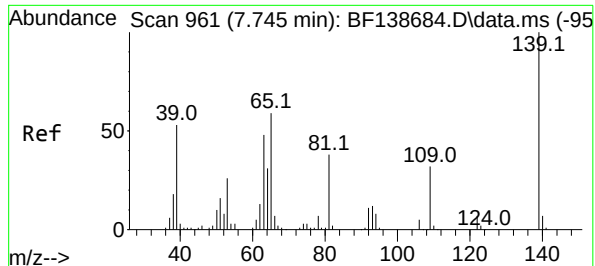
Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

138 16.8 13.7 20.5





#26

2-Nitrophenol

Concen: 61.782 ng

RT: 7.751 min Scan# 961

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

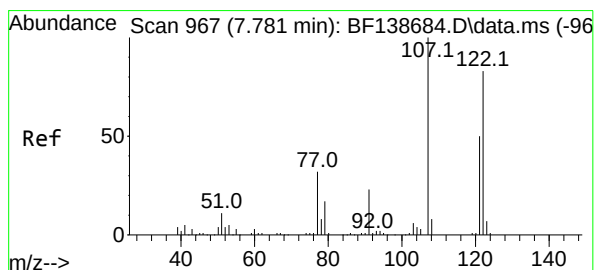
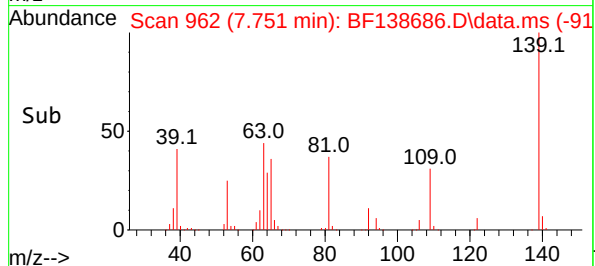
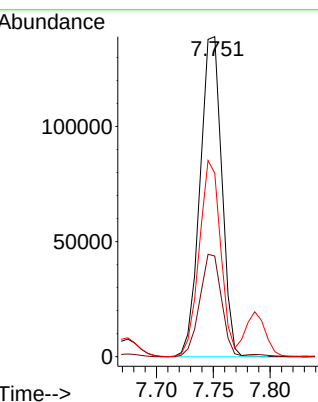
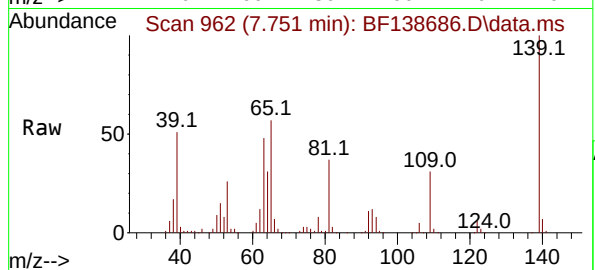
Tgt Ion:139 Resp: 185196

Ion Ratio Lower Upper

139 100

109 31.4 25.9 38.9

65 57.4 47.0 70.6



#27

2,4-Dimethylphenol

Concen: 60.254 ng

RT: 7.786 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

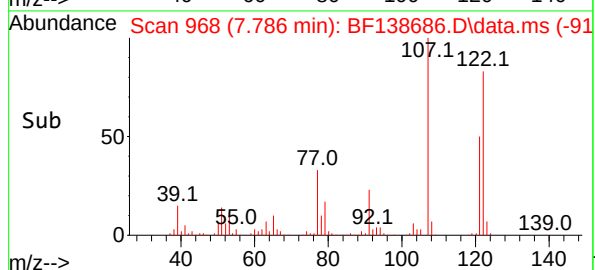
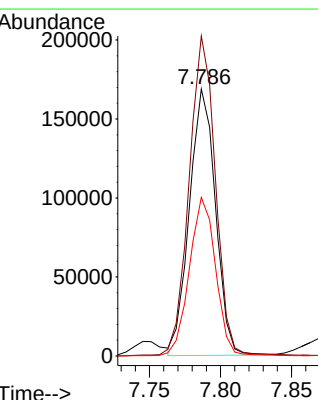
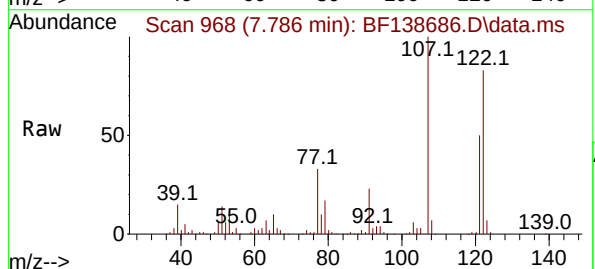
Tgt Ion:122 Resp: 216101

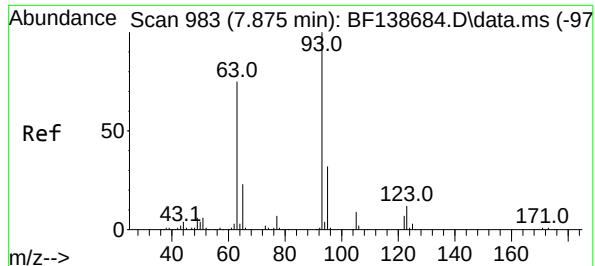
Ion Ratio Lower Upper

122 100

107 119.8 95.0 142.6

121 59.4 47.3 70.9





#28

bis(2-Chloroethoxy)methane

Concen: 58.667 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

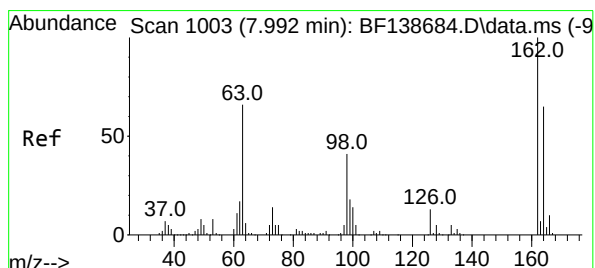
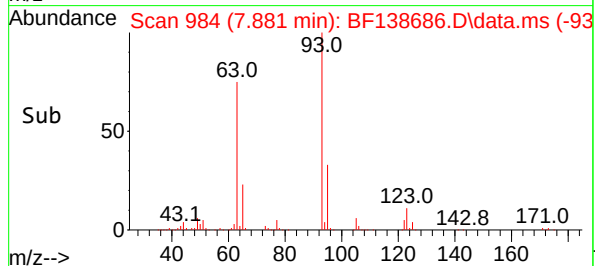
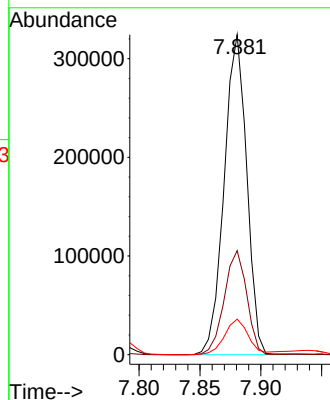
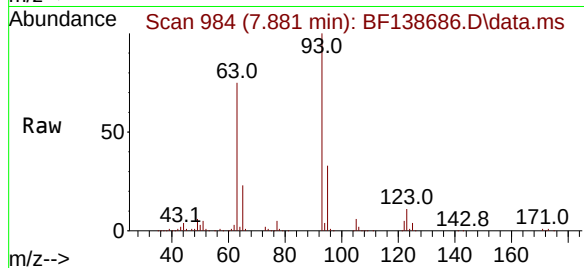
Tgt Ion: 93 Resp: 417700

Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.8

123 11.1 9.4 14.0



#29

2,4-Dichlorophenol

Concen: 60.060 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

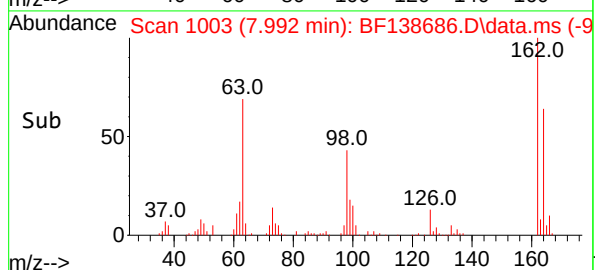
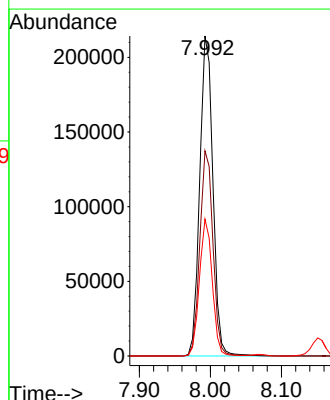
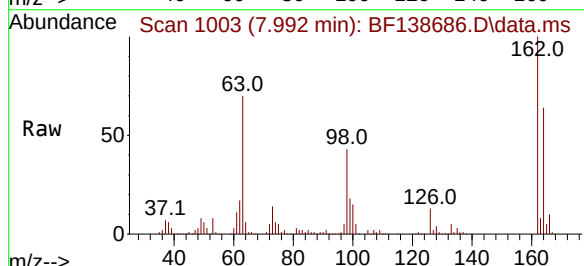
Tgt Ion:162 Resp: 276792

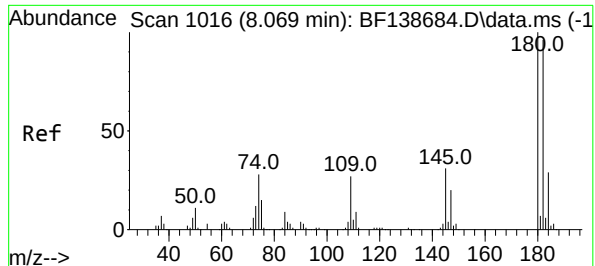
Ion Ratio Lower Upper

162 100

164 64.1 44.7 84.7

98 42.8 20.8 60.8





#30

1,2,4-Trichlorobenzene

Concen: 58.085 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

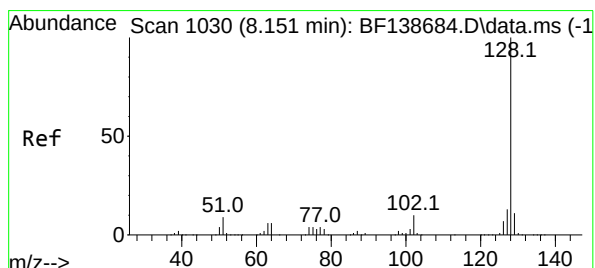
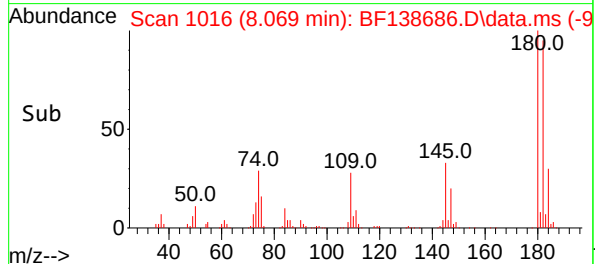
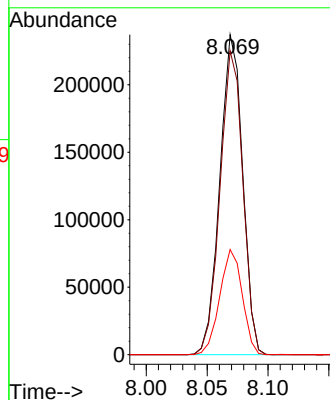
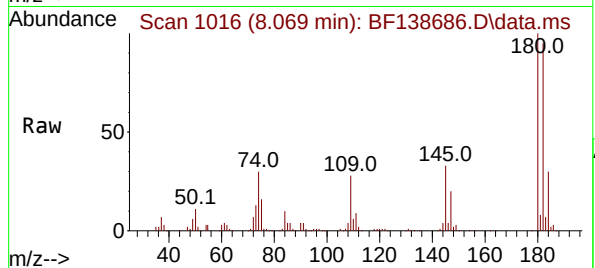
Tgt Ion:180 Resp: 308922

Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 32.9 25.0 37.4



#31

Naphthalene

Concen: 57.817 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

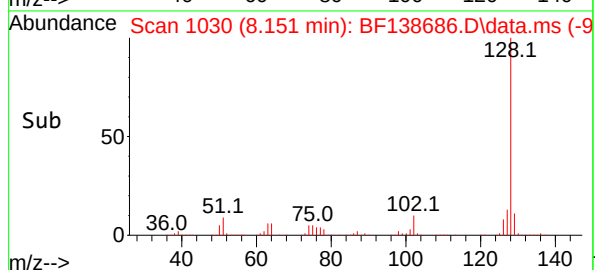
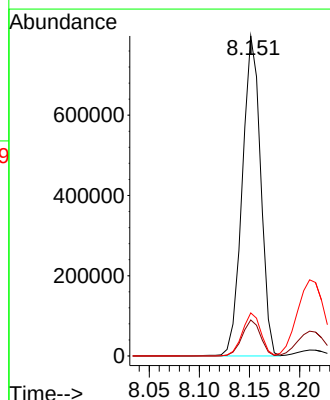
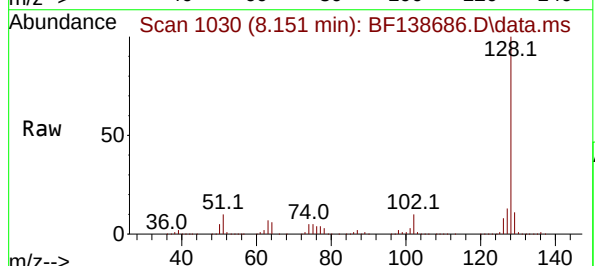
Tgt Ion:128 Resp: 1018783

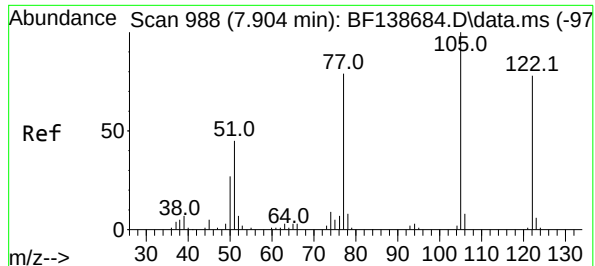
Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.5 10.6 16.0

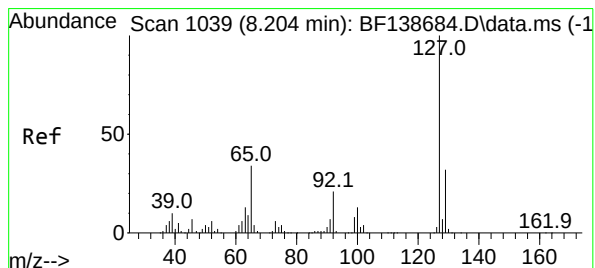
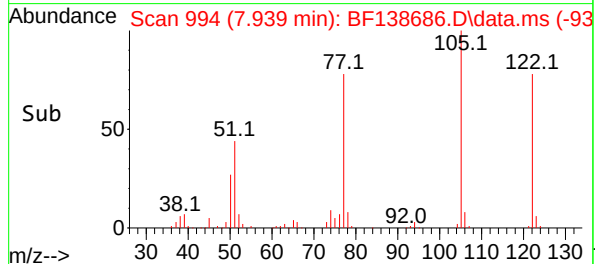
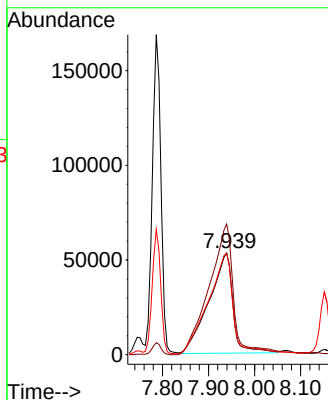
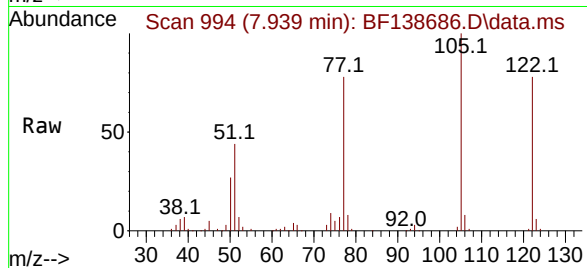




#32
Benzoic acid
Concen: 67.875 ng
RT: 7.939 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

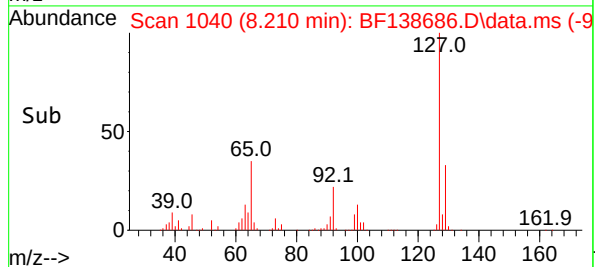
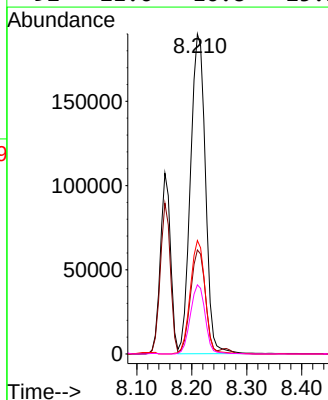
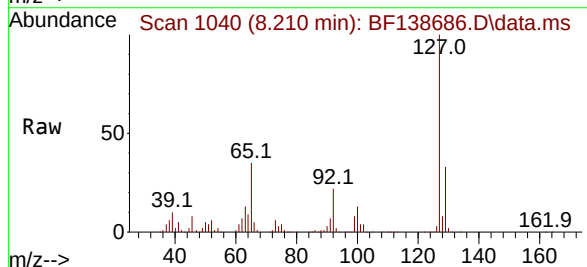
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

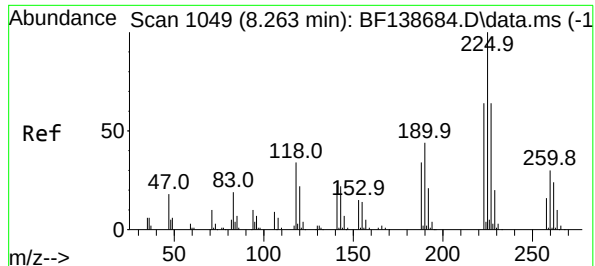
Tgt Ion:122 Resp: 191273
Ion Ratio Lower Upper
122 100
105 128.7 106.7 146.7
77 100.2 81.1 121.1



#33
4-Chloroaniline
Concen: 60.700 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

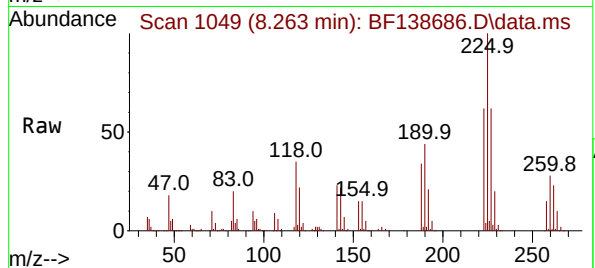
Tgt Ion:127 Resp: 359031
Ion Ratio Lower Upper
127 100
129 32.5 25.9 38.9
65 35.4 27.6 41.4
92 21.6 16.8 25.2



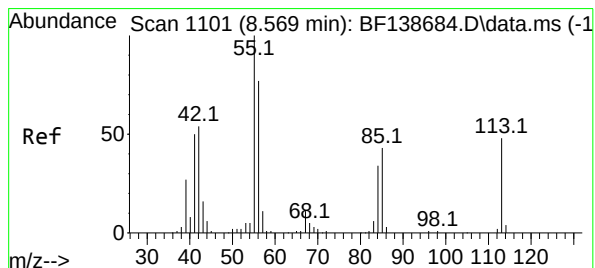
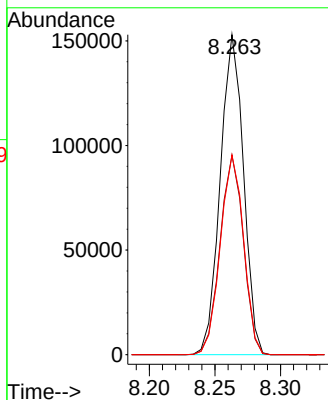
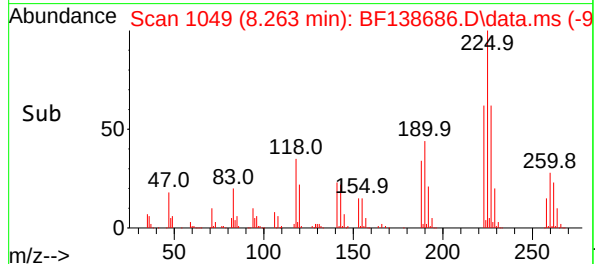


#34
Hexachlorobutadiene
Concen: 58.445 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

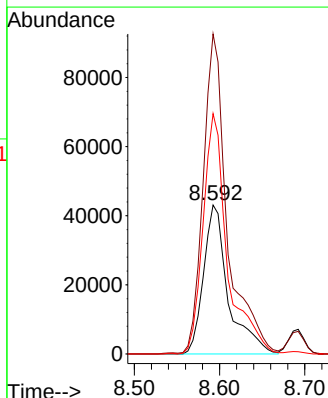
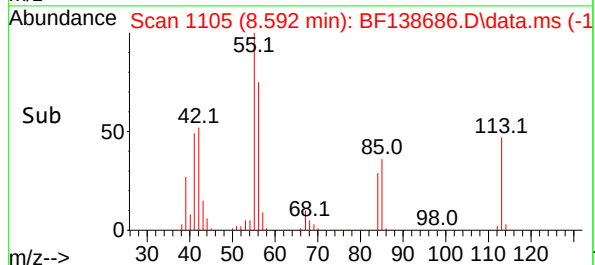
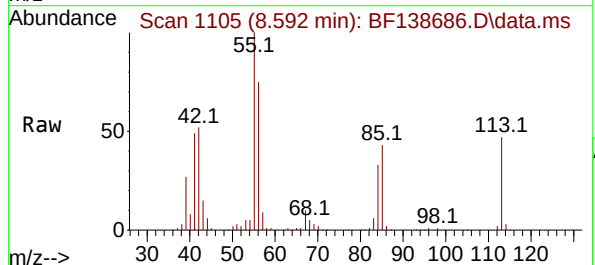


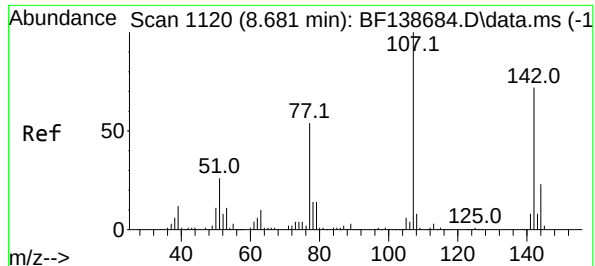
Tgt Ion:225 Resp: 188273
Ion Ratio Lower Upper
225 100
223 62.4 51.2 76.8
227 62.3 51.1 76.7



#35
Caprolactam
Concen: 63.184 ng
RT: 8.592 min Scan# 1105
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:113 Resp: 86887
Ion Ratio Lower Upper
113 100
55 214.9 186.7 226.7
56 161.4 138.9 178.9

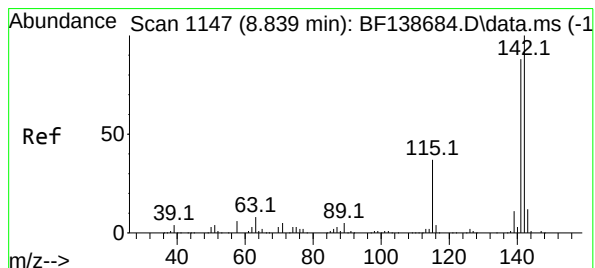
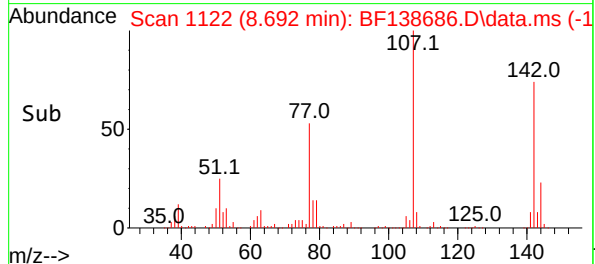
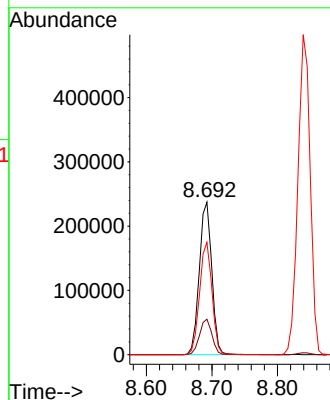
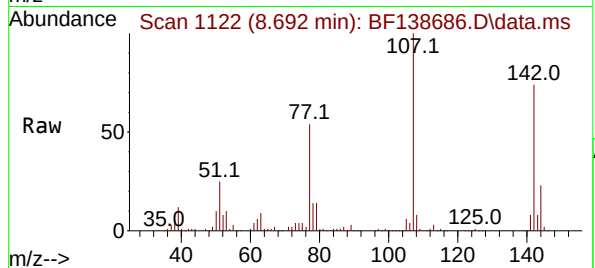




#36
4-Chloro-3-methylphenol
Concen: 59.904 ng
RT: 8.692 min Scan# 1120
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

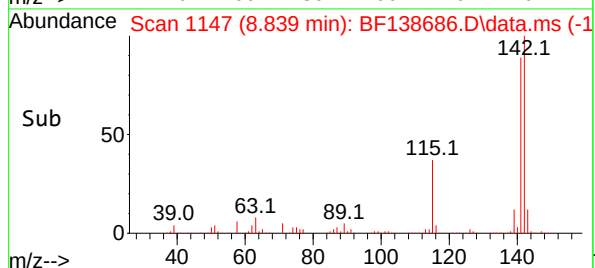
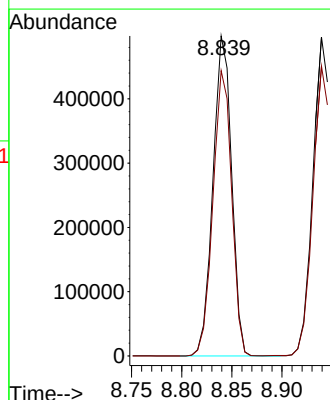
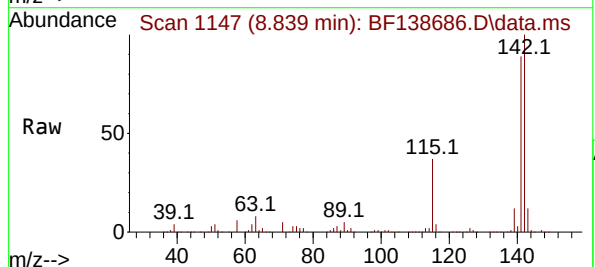
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

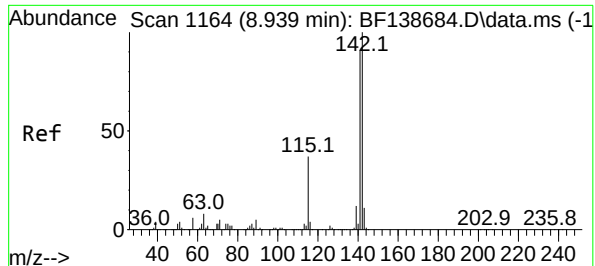
Tgt Ion:107 Resp: 315510
Ion Ratio Lower Upper
107 100
144 23.3 18.2 27.2
142 73.7 57.4 86.2



#37
2-Methylnaphthalene
Concen: 57.790 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:142 Resp: 643115
Ion Ratio Lower Upper
142 100
141 89.2 70.8 106.2





#38

1-Methylnaphthalene

Concen: 58.134 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

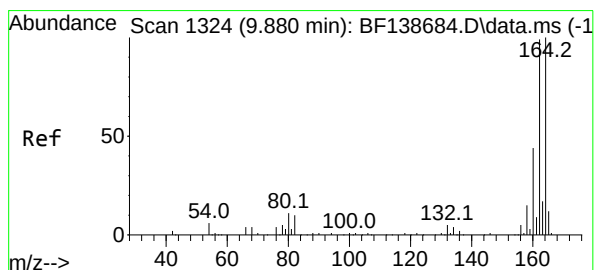
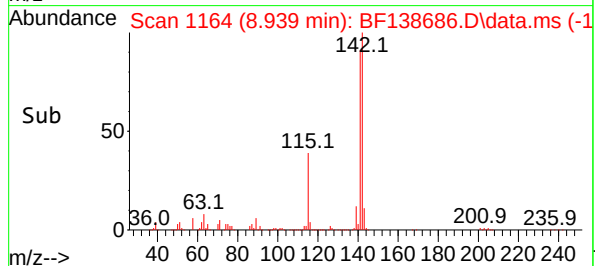
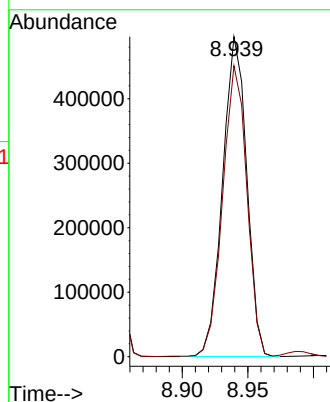
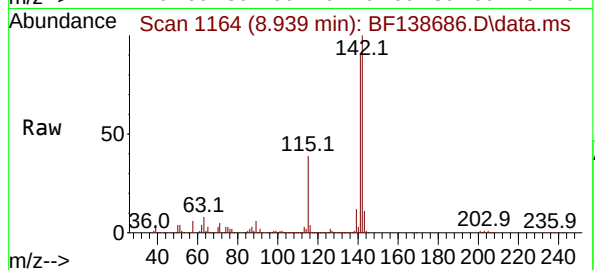
SSTDICC060

Tgt Ion:142 Resp: 633938

Ion Ratio Lower Upper

142 100

141 90.9 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

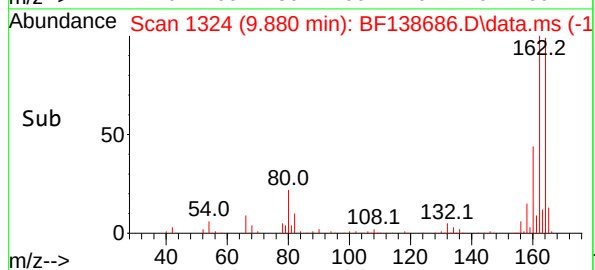
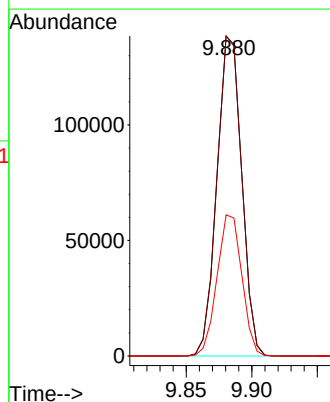
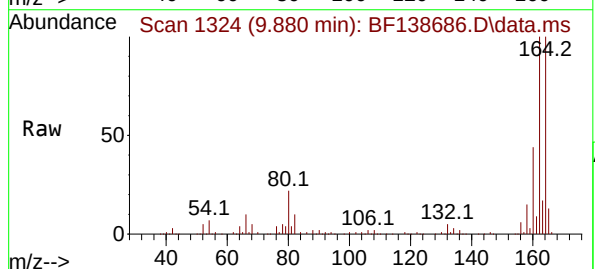
Tgt Ion:164 Resp: 181338

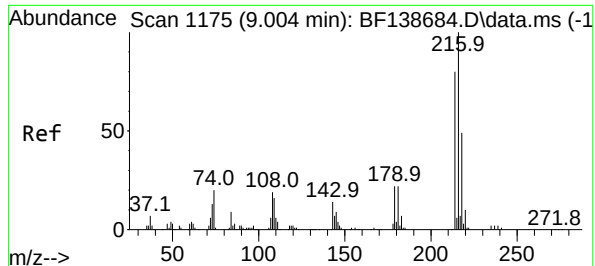
Ion Ratio Lower Upper

164 100

162 100.0 79.4 119.0

160 44.1 35.1 52.7





#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.629 ng

RT: 9.004 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:216 Resp: 290297

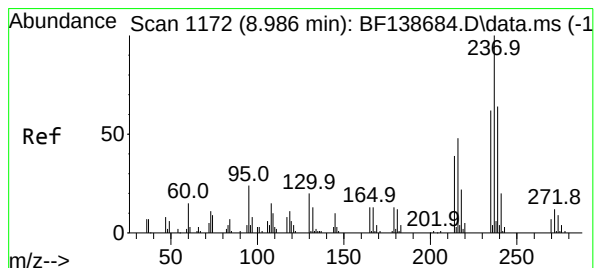
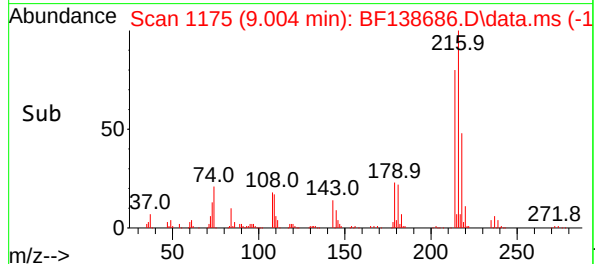
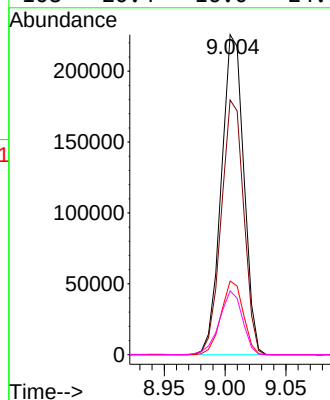
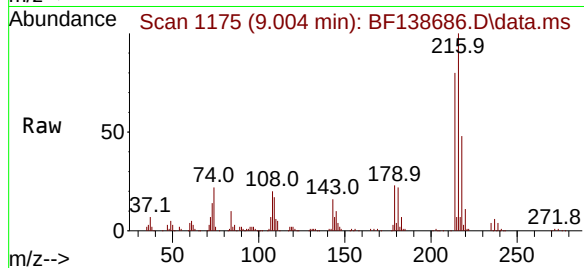
Ion Ratio Lower Upper

216 100

214 79.5 63.9 95.9

179 22.7 17.8 26.6

108 20.4 16.0 24.0



#41

Hexachlorocyclopentadiene

Concen: 61.472 ng

RT: 8.992 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

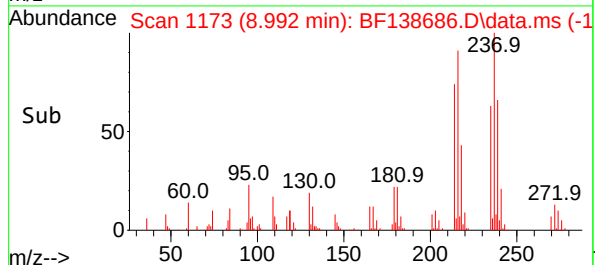
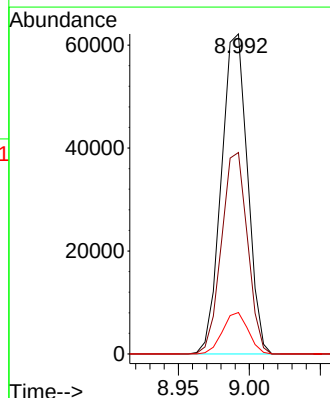
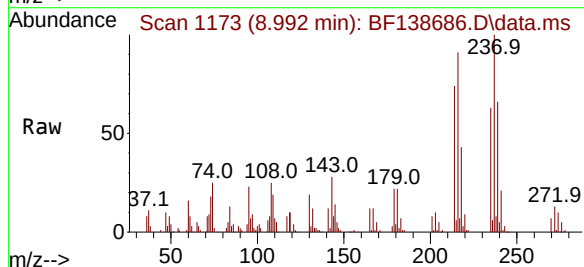
Tgt Ion:237 Resp: 79605

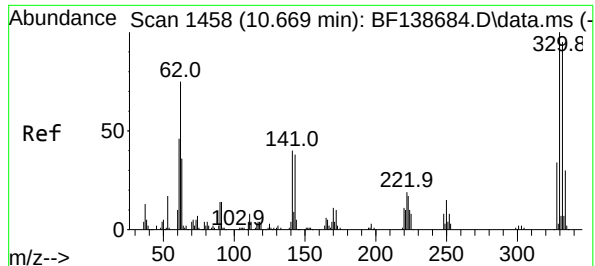
Ion Ratio Lower Upper

237 100

235 63.0 41.8 81.8

272 13.0 0.0 32.2





#42

2,4,6-Tribromophenol

Concen: 121.541 ng

RT: 10.675 min Scan# 1458

Delta R.T. 0.006 min

Lab File: BF138686.D

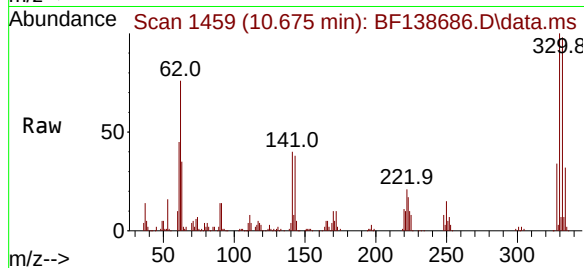
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



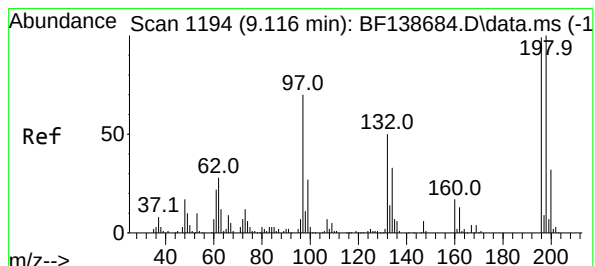
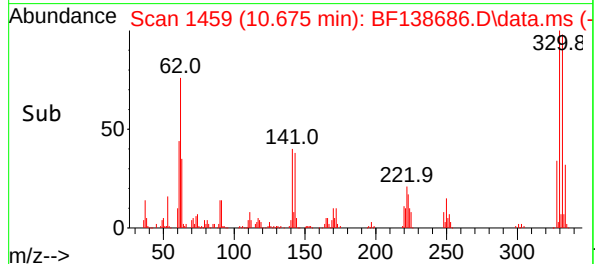
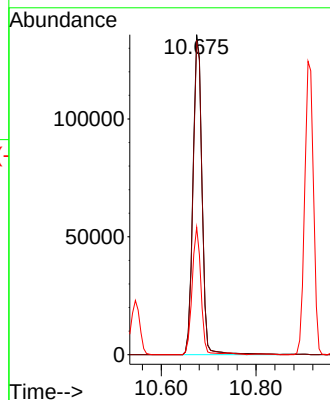
Tgt Ion:330 Resp: 180537

Ion Ratio Lower Upper

330 100

332 97.4 76.4 114.6

141 38.5 31.1 46.7



#43

2,4,6-Trichlorophenol

Concen: 60.432 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

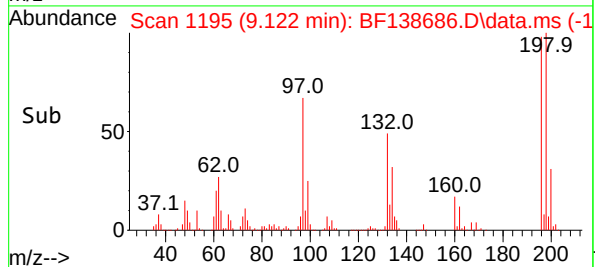
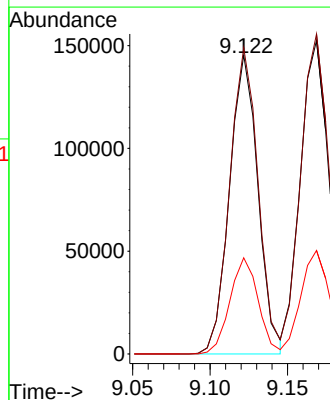
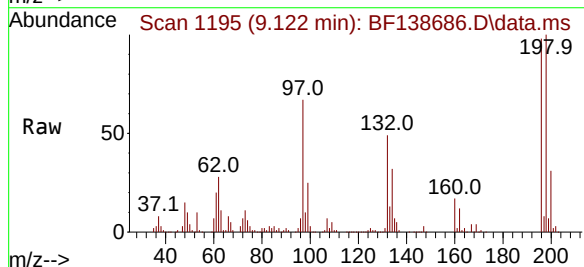
Tgt Ion:196 Resp: 185606

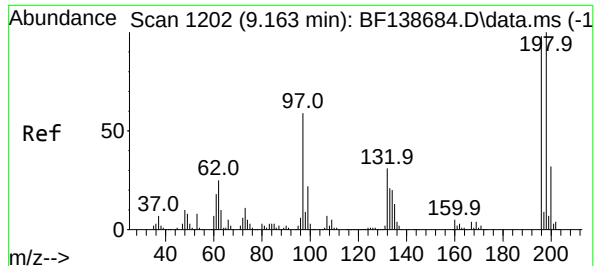
Ion Ratio Lower Upper

196 100

198 102.4 80.5 120.7

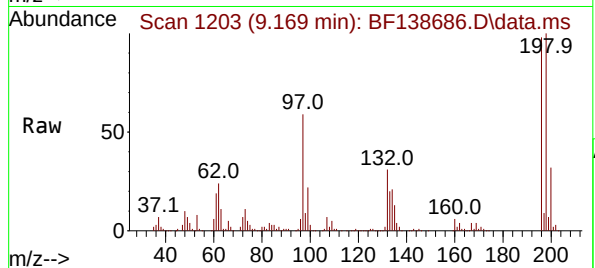
200 32.1 25.9 38.9



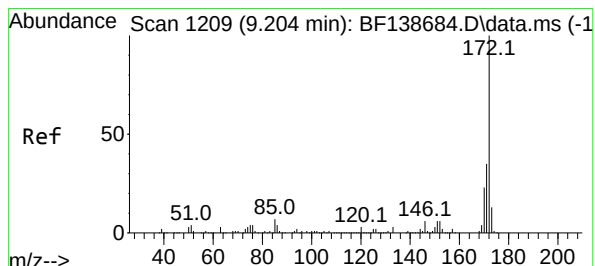
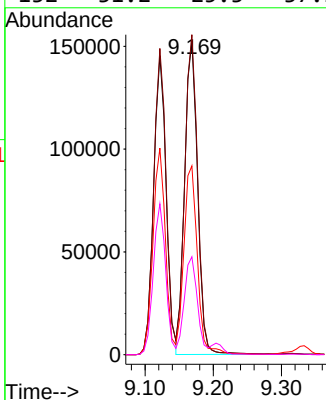
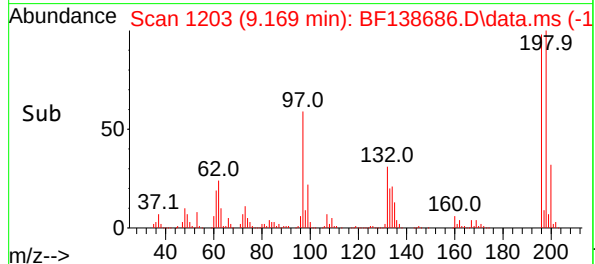


#44
2,4,5-Trichlorophenol
Concen: 59.615 ng
RT: 9.169 min Scan# 1202
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

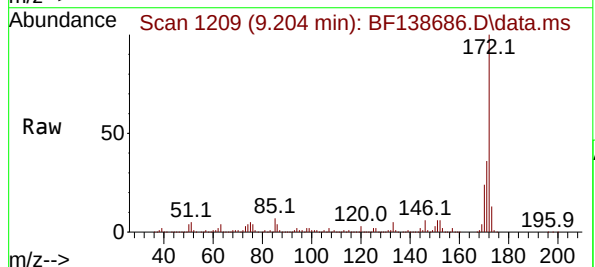
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



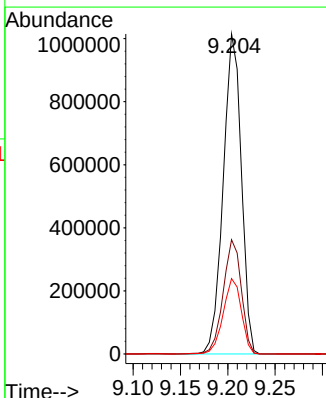
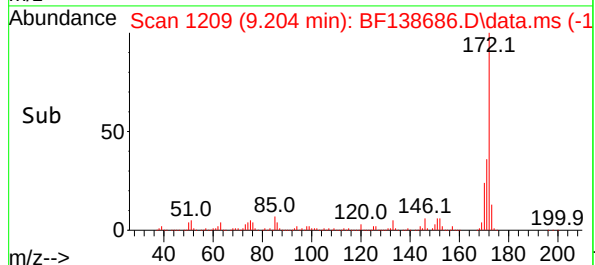
Tgt Ion:196 Resp: 200163
Ion Ratio Lower Upper
196 100
198 102.1 81.2 121.8
97 60.2 47.8 71.6
132 31.2 25.3 37.9

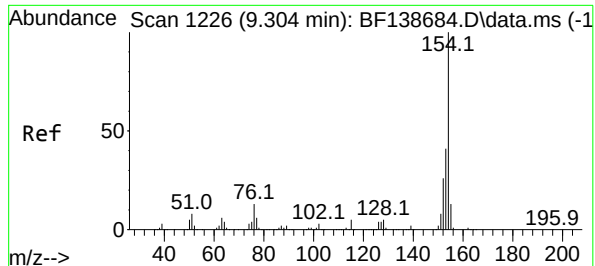


#45
2-Fluorobiphenyl
Concen: 111.967 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58



Tgt Ion:172 Resp: 1351342
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.6 18.8 28.2

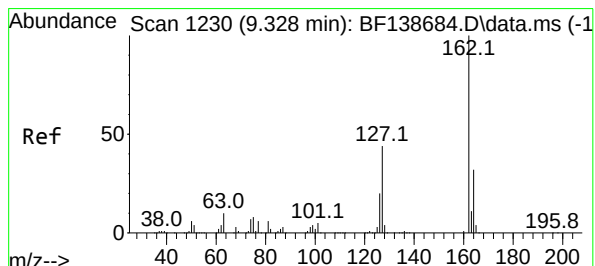
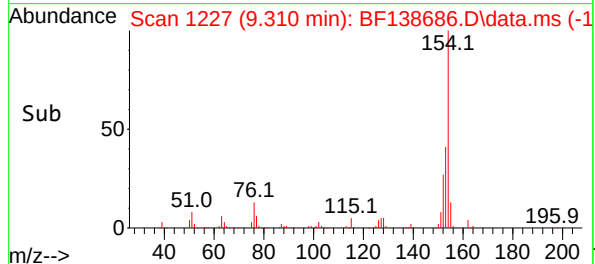
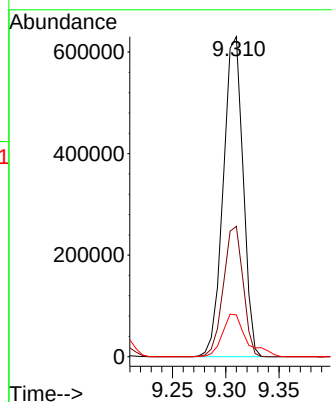
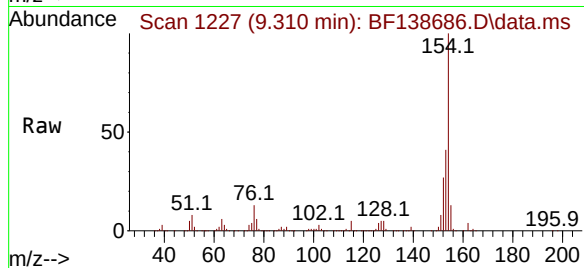




#46
1,1'-Biphenyl
Concen: 57.355 ng
RT: 9.310 min Scan# 1226
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

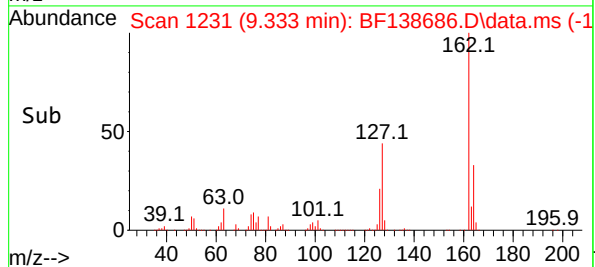
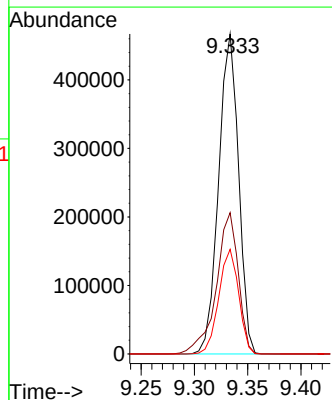
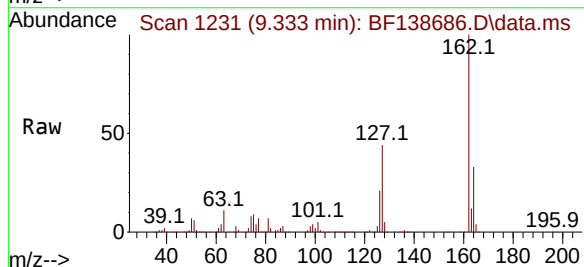
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

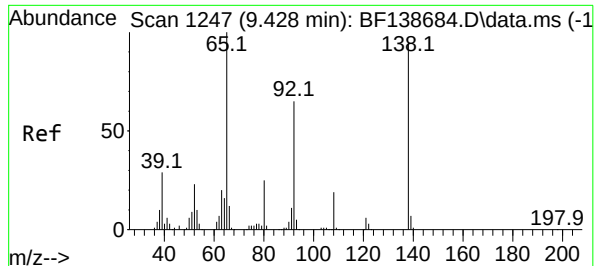
Tgt Ion:154 Resp: 814566
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 13.1 0.0 32.8



#47
2-Chloronaphthalene
Concen: 57.372 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:162 Resp: 605996
Ion Ratio Lower Upper
162 100
127 44.1 35.4 53.2
164 32.7 25.6 38.4





#48

2-Nitroaniline

Concen: 59.957 ng

RT: 9.433 min Scan# 1248

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

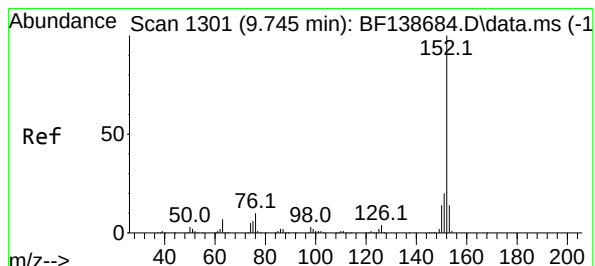
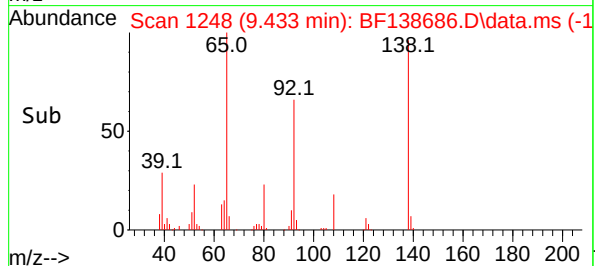
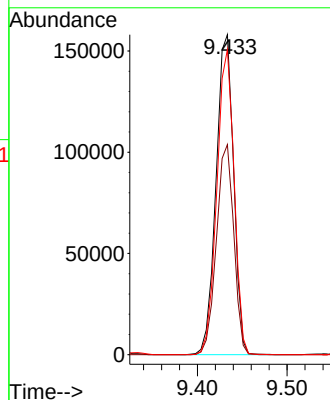
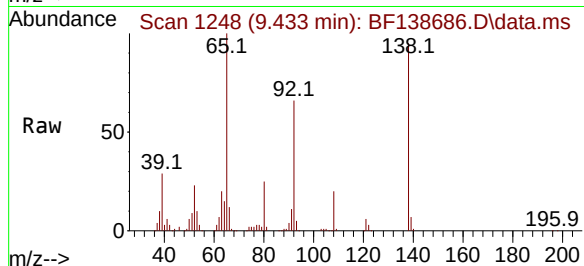
Tgt Ion: 65 Resp: 214695

Ion Ratio Lower Upper

65 100

92 65.7 52.0 78.0

138 95.4 76.2 114.4



#49

Acenaphthylene

Concen: 57.648 ng

RT: 9.745 min Scan# 1301

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

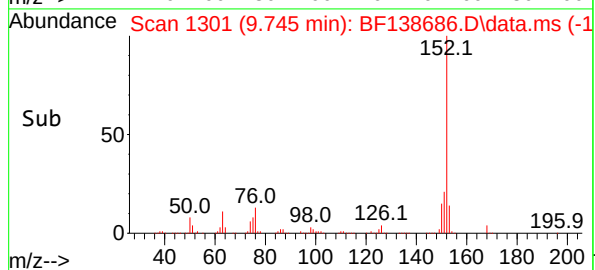
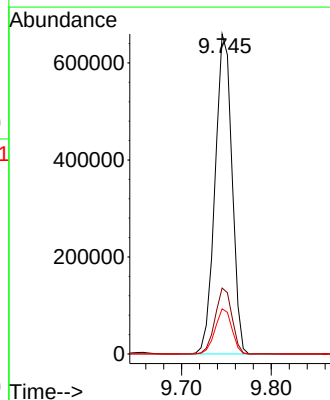
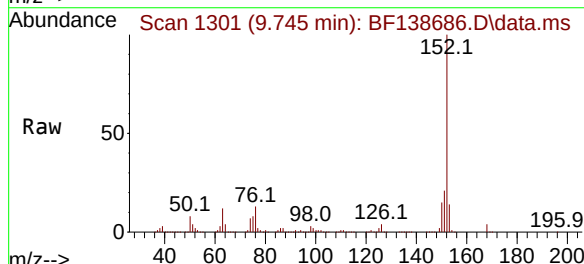
Tgt Ion: 152 Resp: 863615

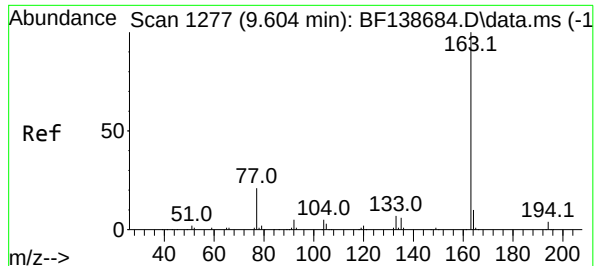
Ion Ratio Lower Upper

152 100

151 20.6 16.0 24.0

153 14.1 11.0 16.4





#50

Dimethylphthalate

Concen: 59.957 ng

RT: 9.610 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

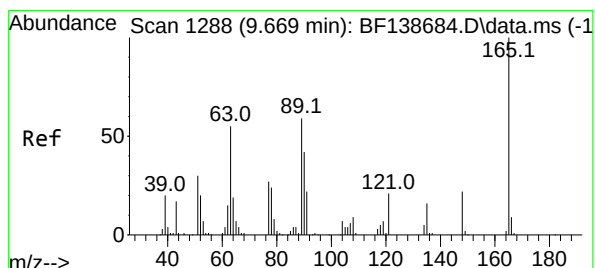
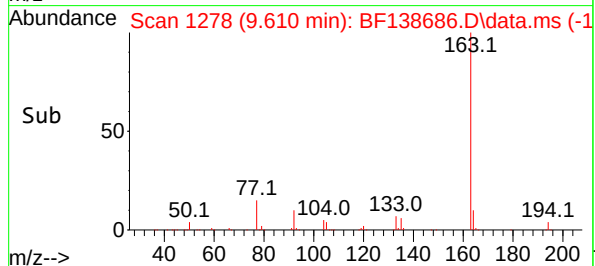
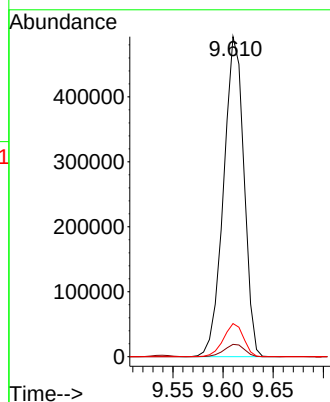
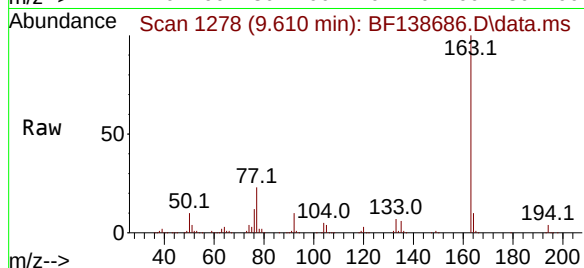
Tgt Ion:163 Resp: 695202

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.3 7.8 11.8



#51

2,6-Dinitrotoluene

Concen: 62.290 ng

RT: 9.675 min Scan# 1289

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

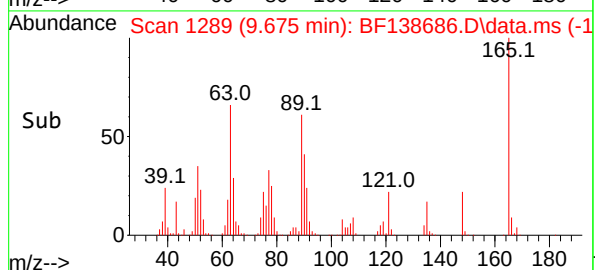
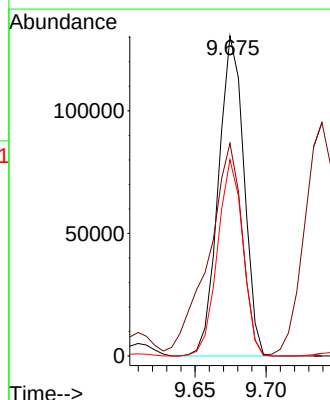
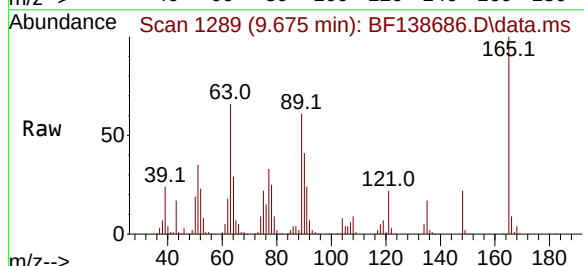
Tgt Ion:165 Resp: 163000

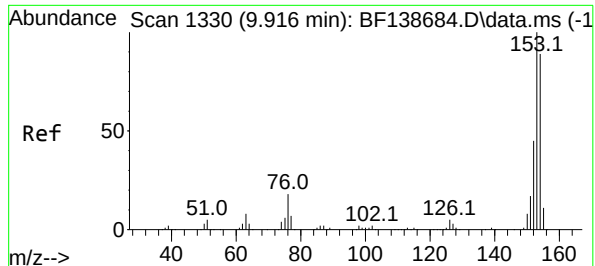
Ion Ratio Lower Upper

165 100

63 66.5 52.0 78.0

89 61.3 47.0 70.6

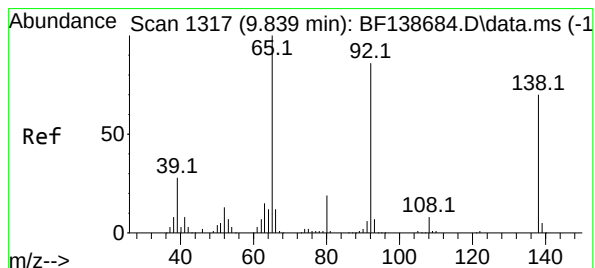
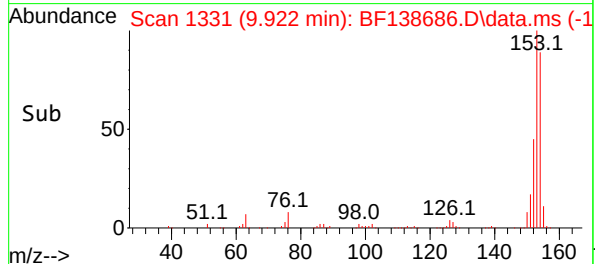
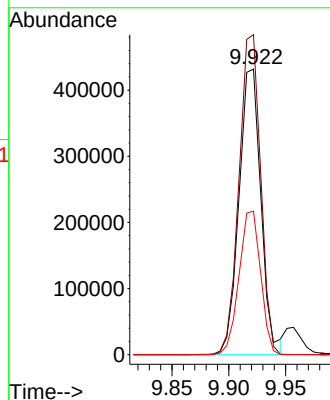
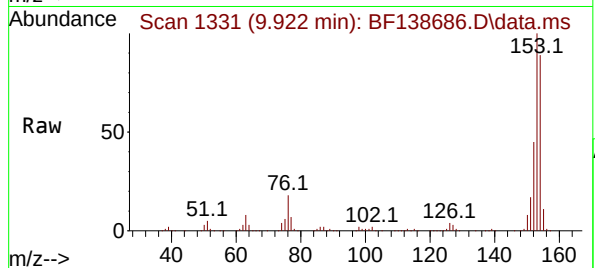




#52
Acenaphthene
Concen: 57.743 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

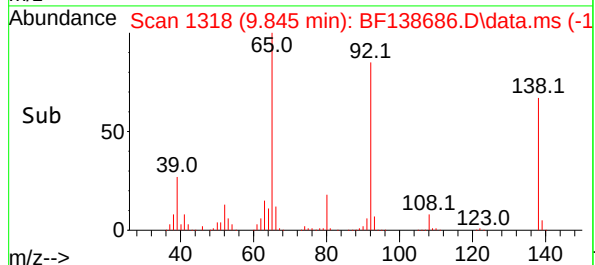
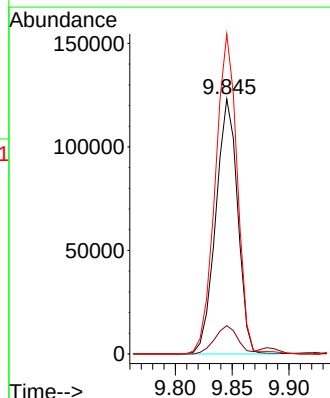
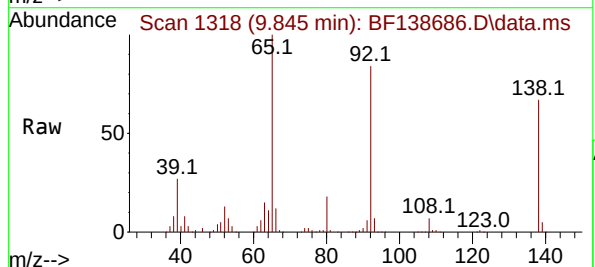
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

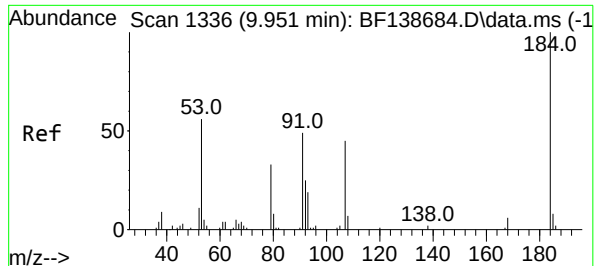
Tgt Ion:154 Resp: 581492
Ion Ratio Lower Upper
154 100
153 112.0 89.9 134.9
152 50.3 40.6 60.8



#53
3-Nitroaniline
Concen: 61.007 ng
RT: 9.845 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:138 Resp: 165034
Ion Ratio Lower Upper
138 100
108 11.1 9.1 13.7
92 125.5 98.7 148.1





#54

2,4-Dinitrophenol

Concen: 68.448 ng

RT: 9.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

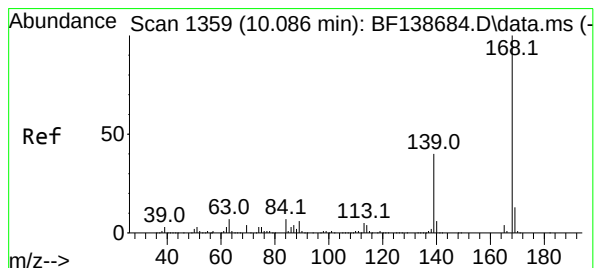
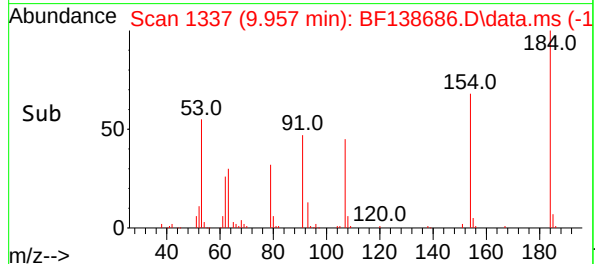
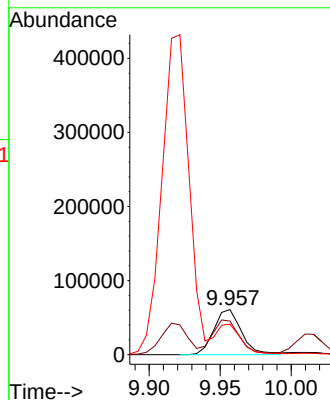
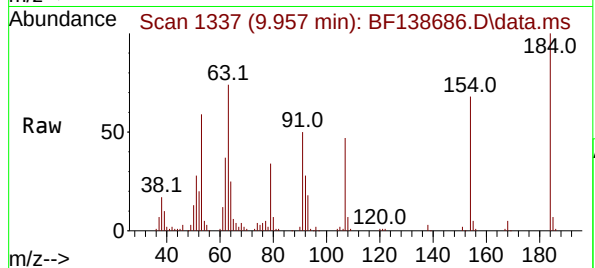
Tgt Ion:184 Resp: 82451

Ion Ratio Lower Upper

184 100

63 74.4 57.5 86.3

154 68.0 51.7 77.5



#55

Dibenzofuran

Concen: 56.948 ng

RT: 10.092 min Scan# 1360

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

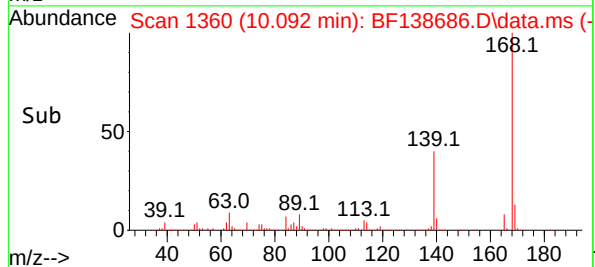
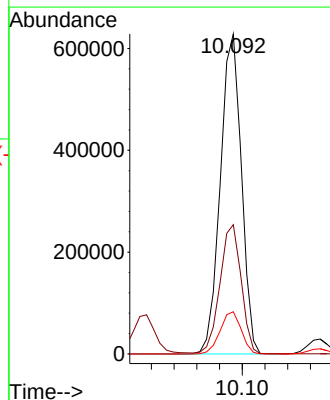
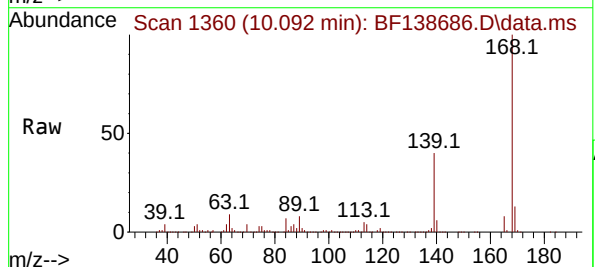
Tgt Ion:168 Resp: 809534

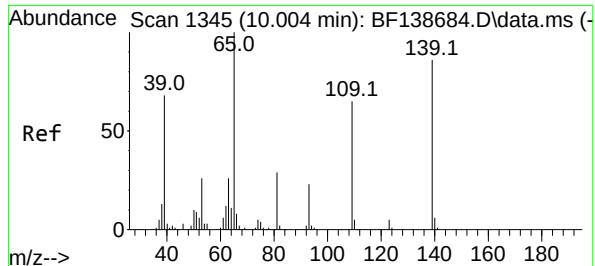
Ion Ratio Lower Upper

168 100

139 40.4 32.6 49.0

169 13.2 10.7 16.1

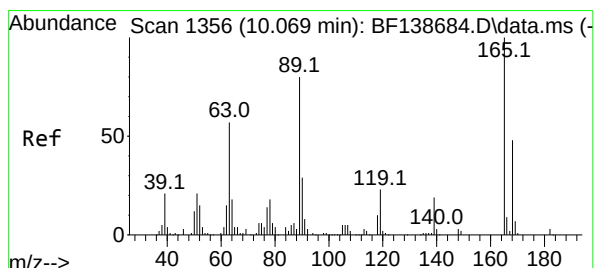
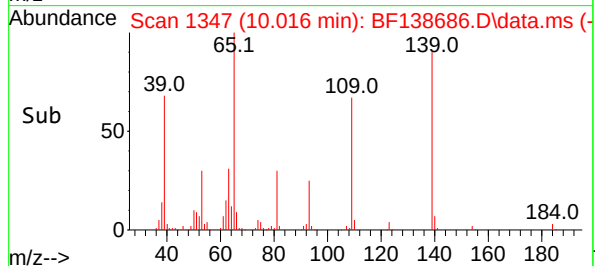
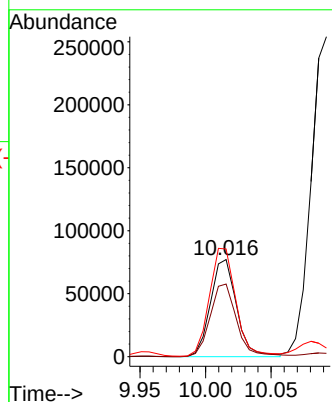
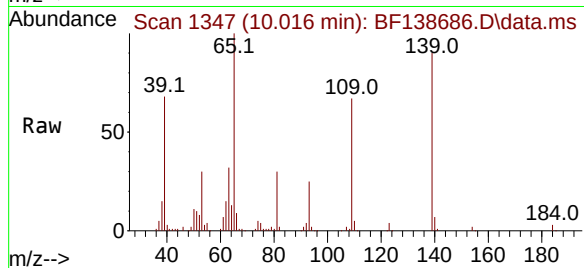




#56
4-Nitrophenol
Concen: 65.807 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

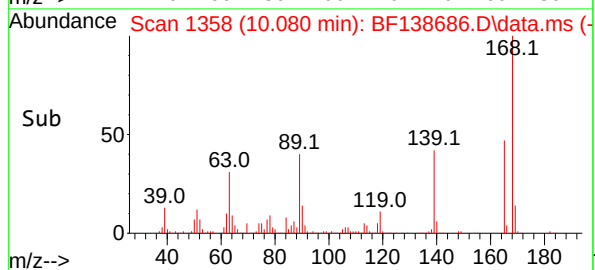
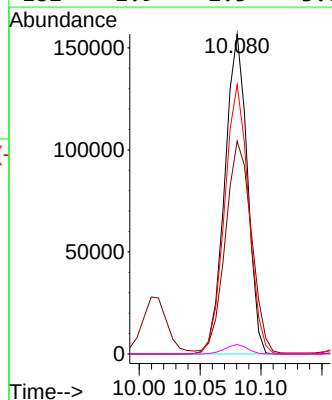
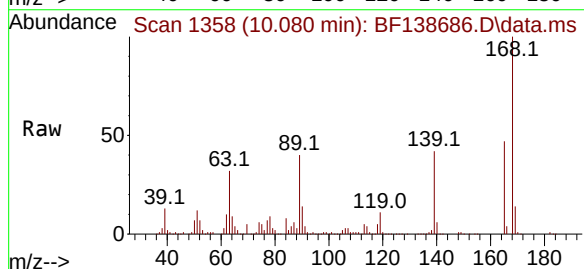
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

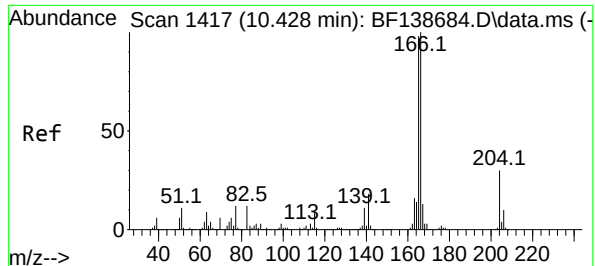
Tgt Ion:139 Resp: 107052
Ion Ratio Lower Upper
139 100
109 74.9 55.5 95.5
65 111.0 96.7 136.7



#57
2,4-Dinitrotoluene
Concen: 60.388 ng
RT: 10.080 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:165 Resp: 201610
Ion Ratio Lower Upper
165 100
63 66.5 46.3 69.5
89 84.2 64.2 96.4
182 2.9 2.5 3.7

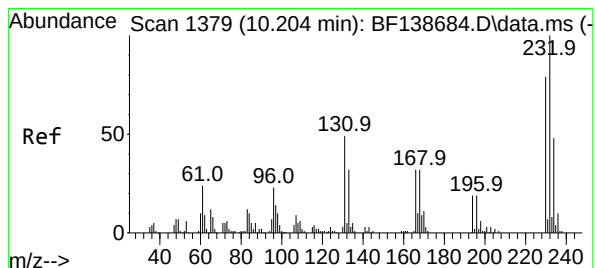
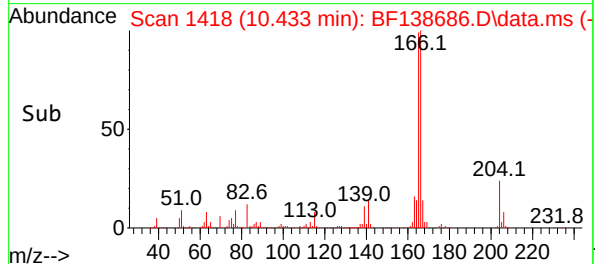
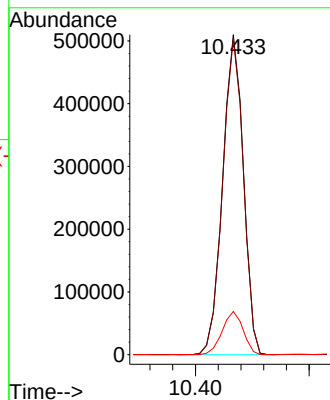
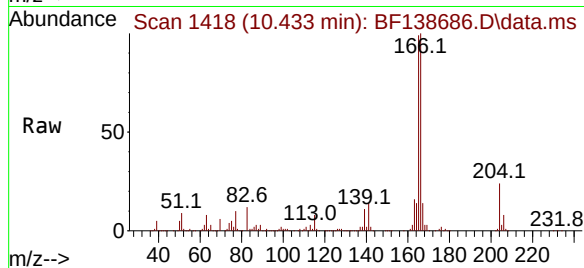




#58
Fluorene
Concen: 57.140 ng
RT: 10.433 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

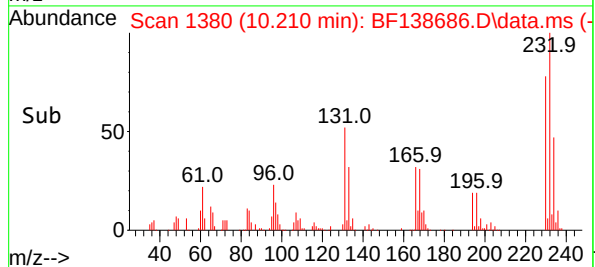
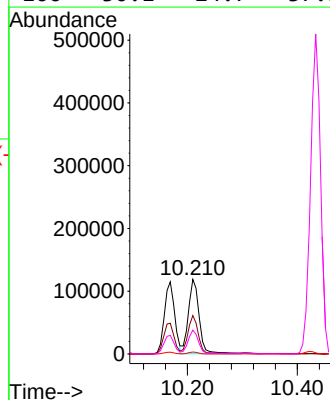
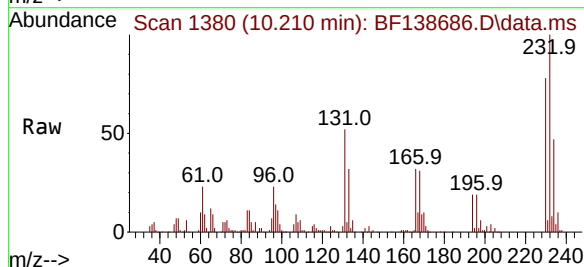
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

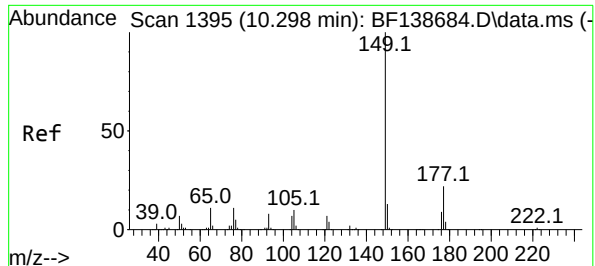
Tgt Ion:166 Resp: 646844
Ion Ratio Lower Upper
166 100
165 98.8 78.4 117.6
167 13.5 10.6 16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 63.494 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:232 Resp: 162987
Ion Ratio Lower Upper
232 100
131 48.9 37.0 55.4
130 2.4 2.0 3.0
166 30.1 24.7 37.1

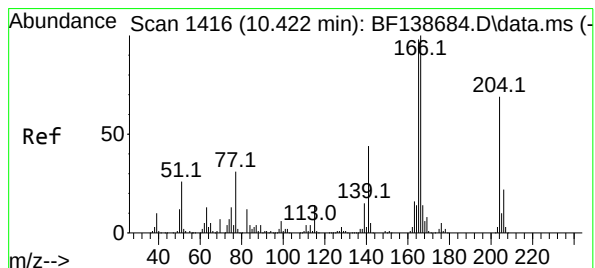
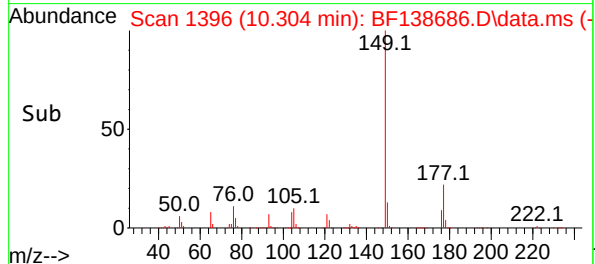
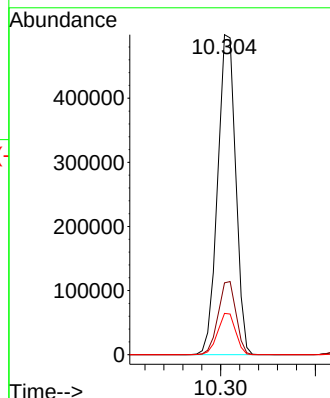
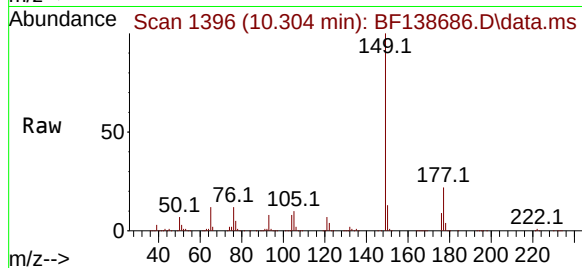




#60
Diethylphthalate
Concen: 60.161 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

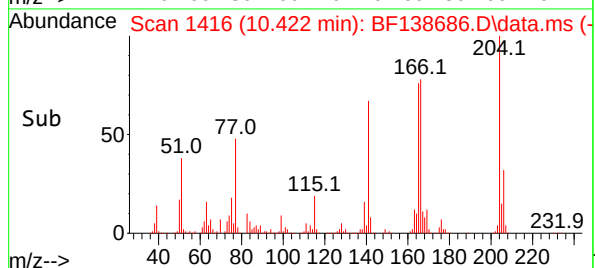
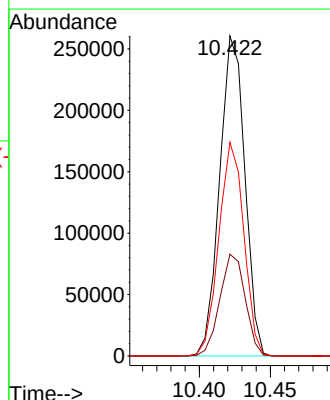
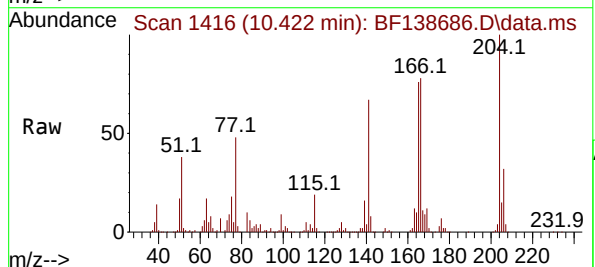
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

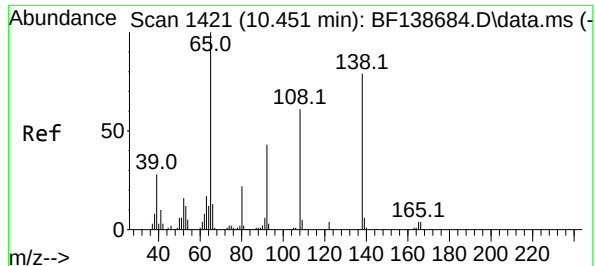
Tgt Ion:149 Resp: 661415
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 12.9 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 57.740 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:204 Resp: 321470
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 66.8 51.4 77.0

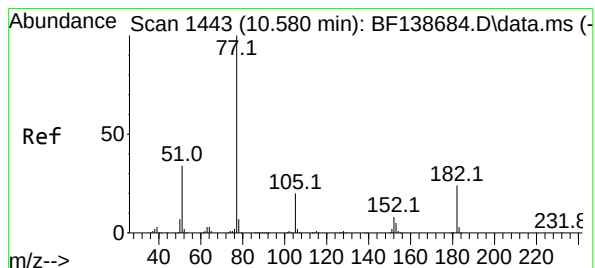
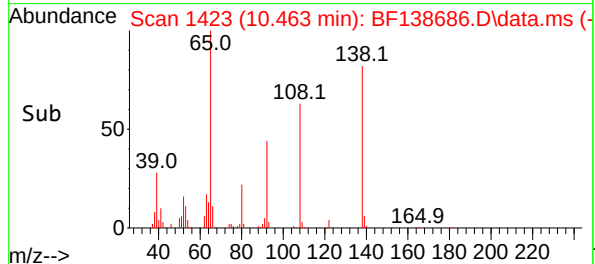
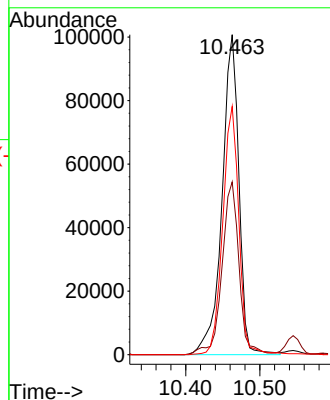
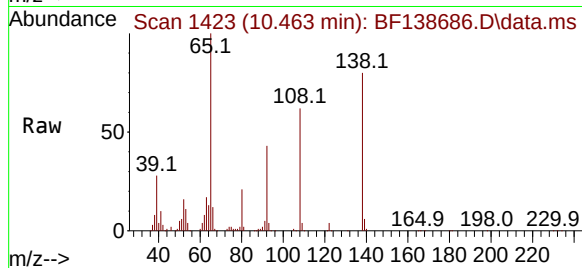




#62
4-Nitroaniline
Concen: 61.881 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

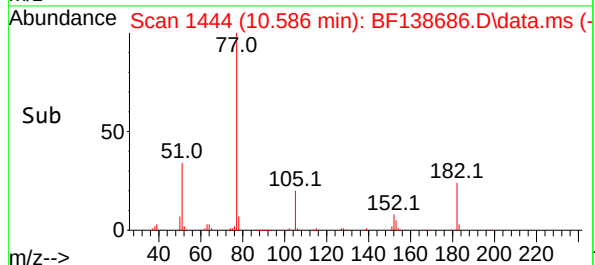
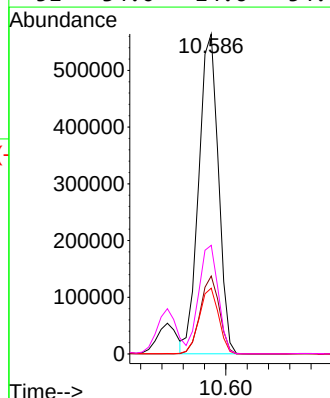
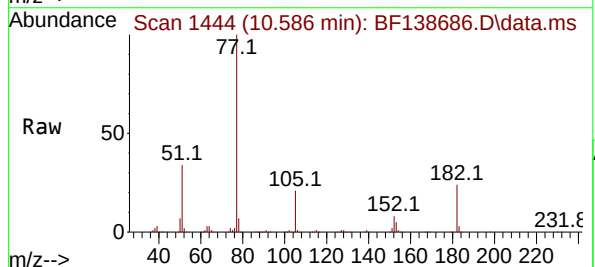
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

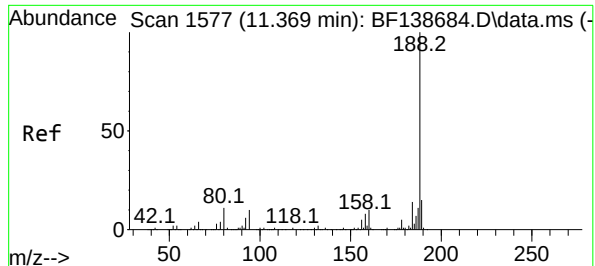
Tgt Ion:138 Resp: 159081
Ion Ratio Lower Upper
138 100
92 54.0 34.2 74.2
108 77.6 56.2 96.2



#63
Azobenzene
Concen: 59.288 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 77 Resp: 722929
Ion Ratio Lower Upper
77 100
182 24.3 3.4 43.4
105 20.5 0.2 40.2
51 34.0 14.6 54.6

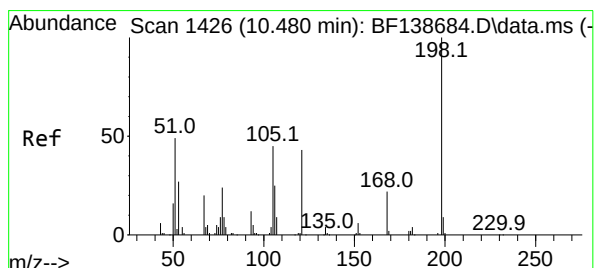
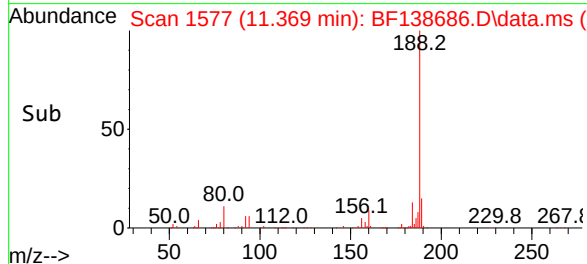
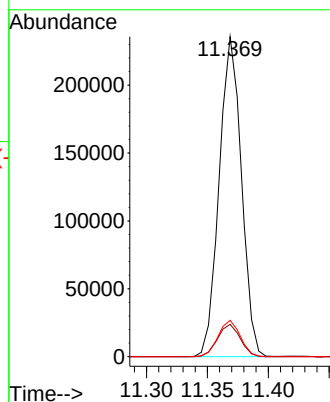
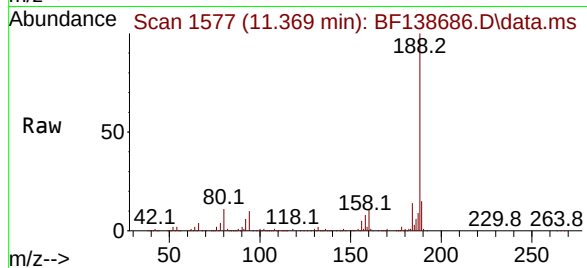




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

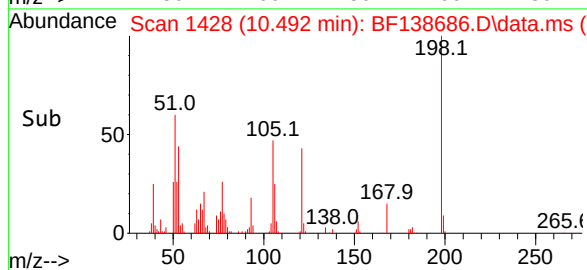
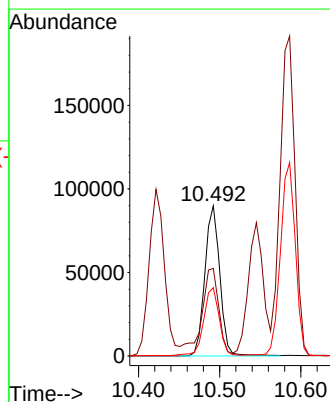
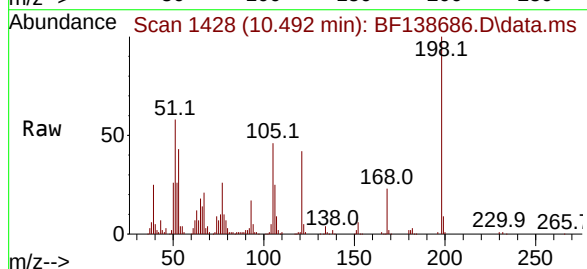
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

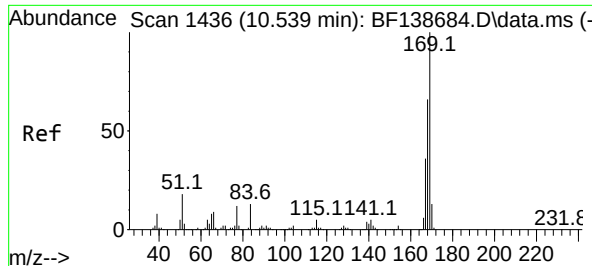
Tgt Ion:188 Resp: 299773
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 11.3 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 62.887 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:198 Resp: 115013
Ion Ratio Lower Upper
198 100
51 58.4 39.9 79.9
105 45.6 26.1 66.1

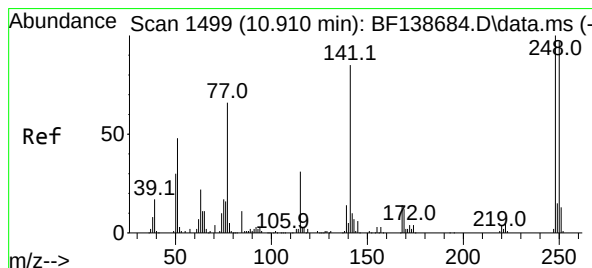
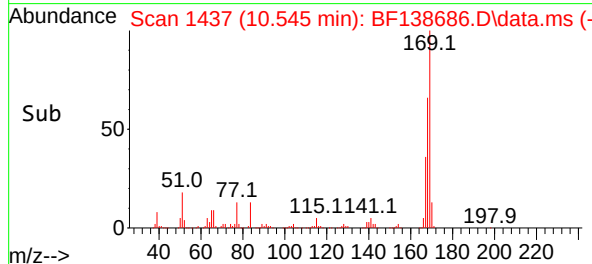
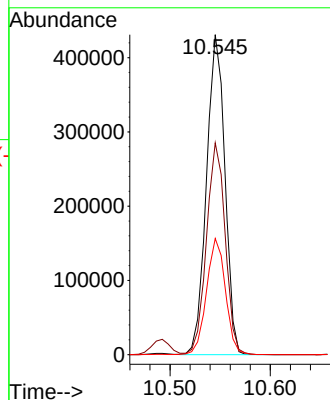
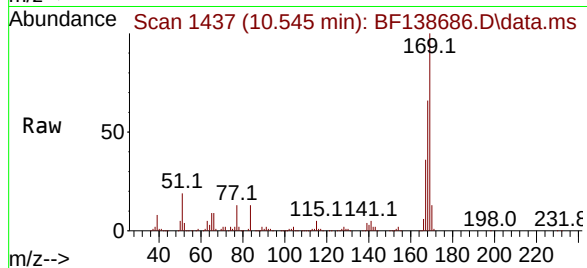




#66
n-Nitrosodiphenylamine
Concen: 58.728 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

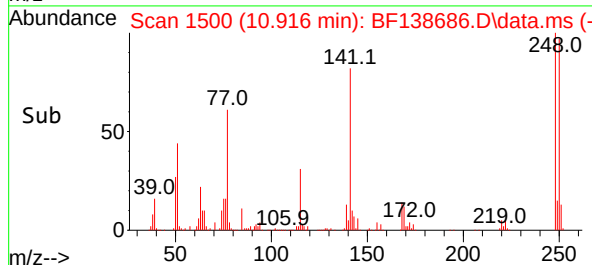
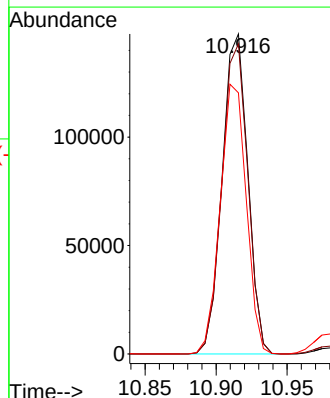
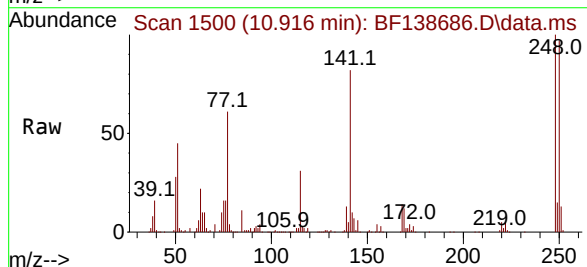
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

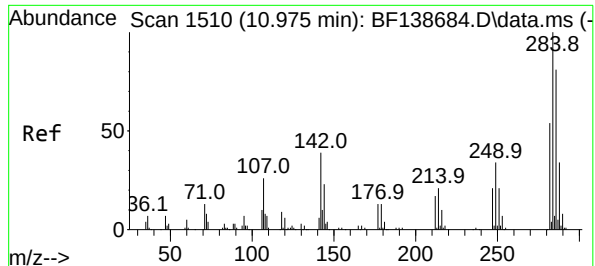
Tgt Ion:169 Resp: 550299
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.6
167 36.3 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 57.182 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:248 Resp: 185589
Ion Ratio Lower Upper
248 100
250 96.9 77.7 116.5
141 81.6 68.0 102.0

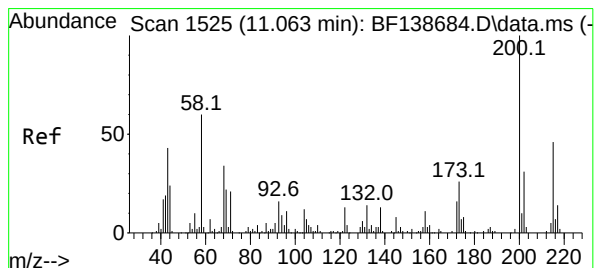
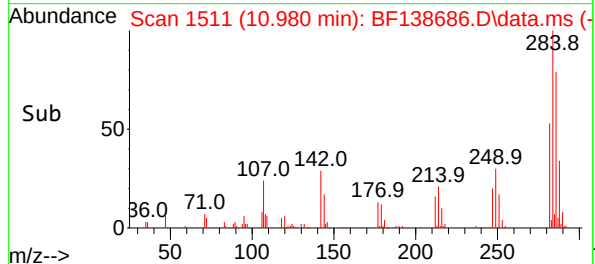
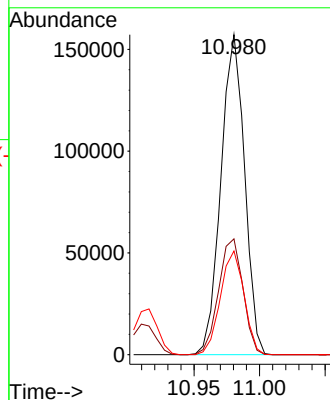
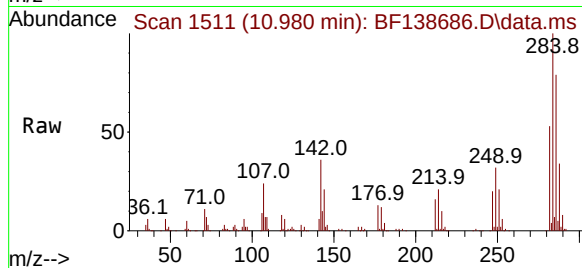




#68
Hexachlorobenzene
Concen: 58.832 ng
RT: 10.980 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

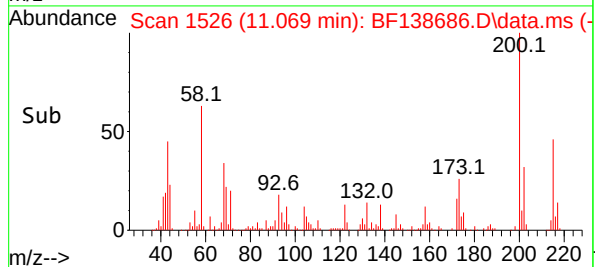
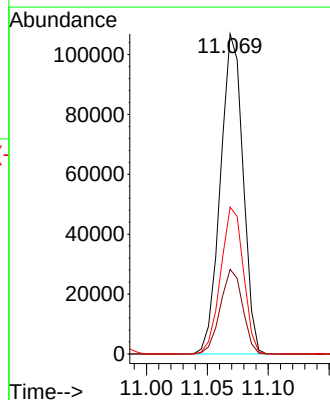
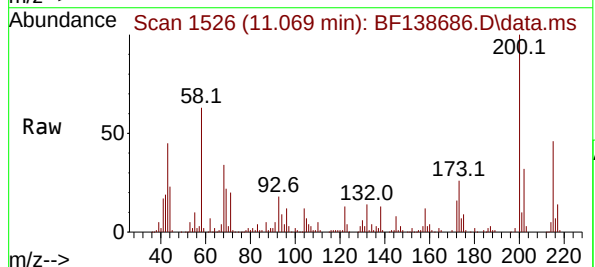
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

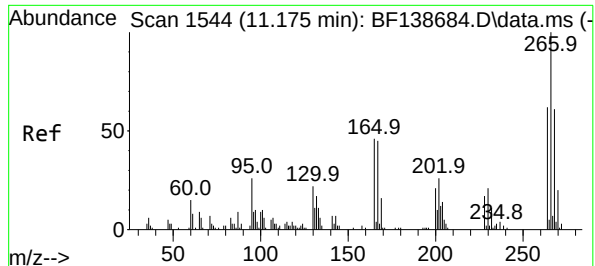
Tgt Ion:284 Resp: 197152
Ion Ratio Lower Upper
284 100
142 36.2 31.3 46.9
249 32.4 27.2 40.8



#69
Atrazine
Concen: 57.055 ng
RT: 11.069 min Scan# 1526
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:200 Resp: 137932
Ion Ratio Lower Upper
200 100
173 26.5 6.0 46.0
215 45.9 26.1 66.1

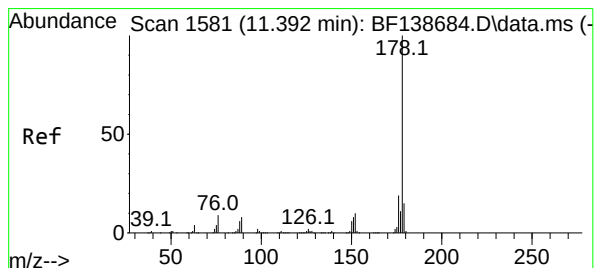
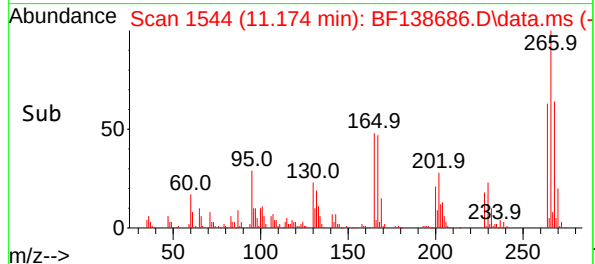
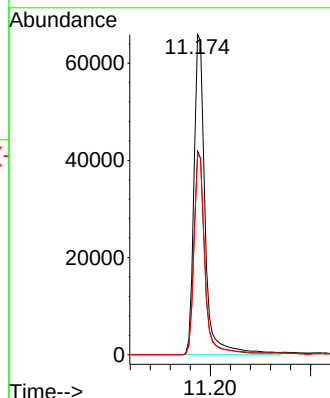
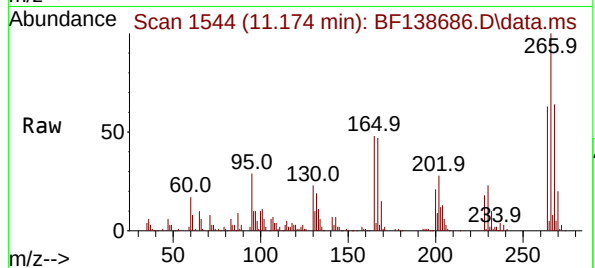




#70
Pentachlorophenol
Concen: 67.437 ng
RT: 11.174 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

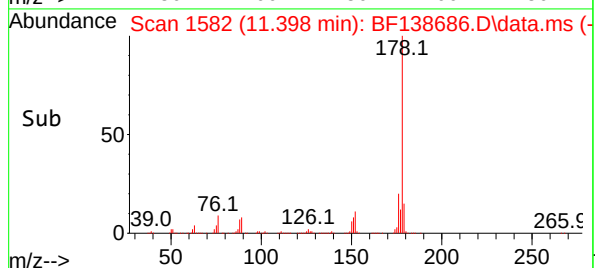
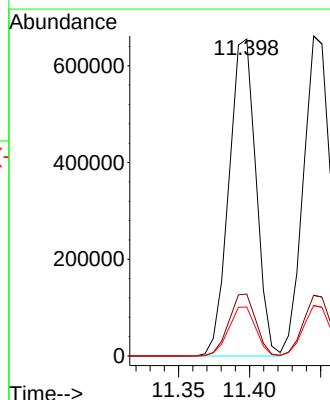
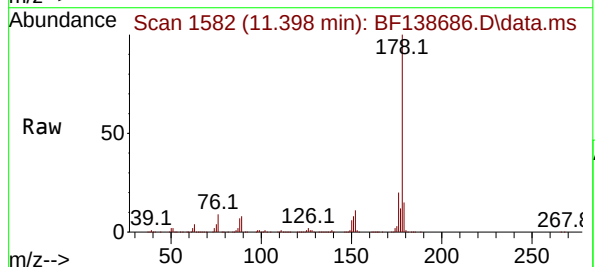
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

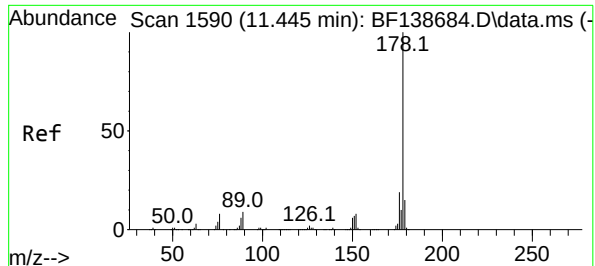
Tgt Ion:266 Resp: 101863
Ion Ratio Lower Upper
266 100
268 63.6 49.2 73.8
264 62.6 49.8 74.6



#71
Phenanthrene
Concen: 56.216 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:178 Resp: 867741
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.4 12.2 18.2

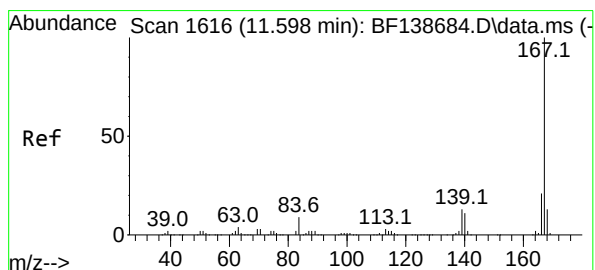
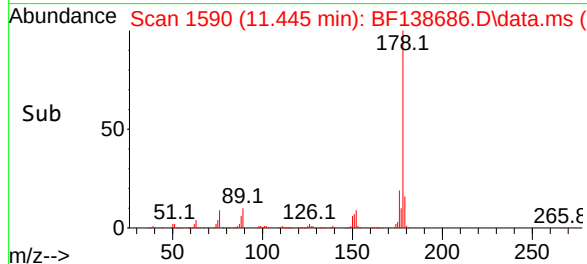
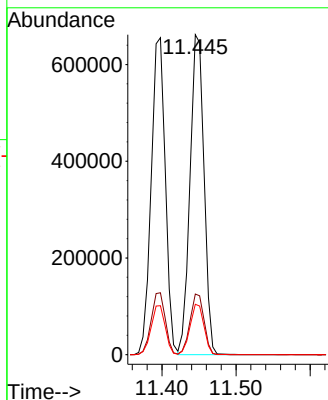
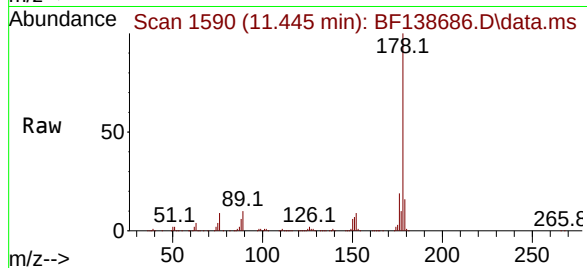




#72
Anthracene
Concen: 57.177 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

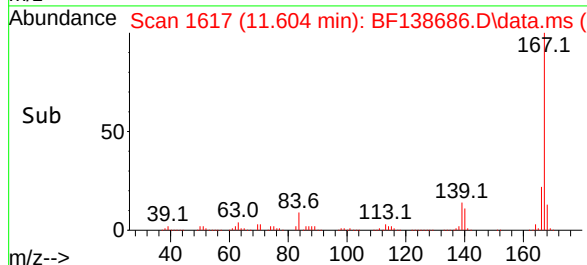
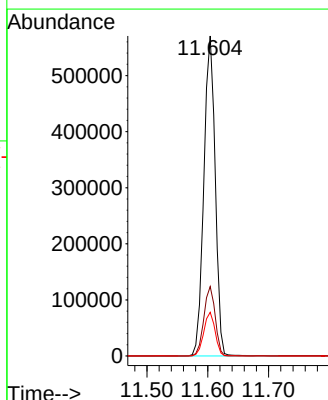
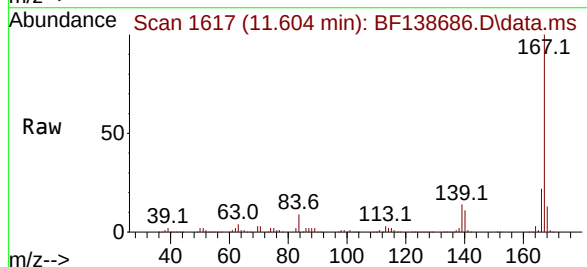
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

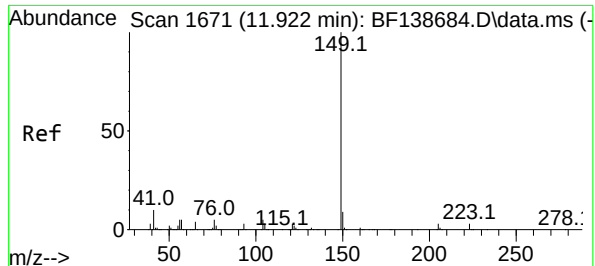
Tgt Ion:178 Resp: 869464
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 15.8 12.4 18.6



#73
Carbazole
Concen: 56.558 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:167 Resp: 742002
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 13.7 10.6 16.0

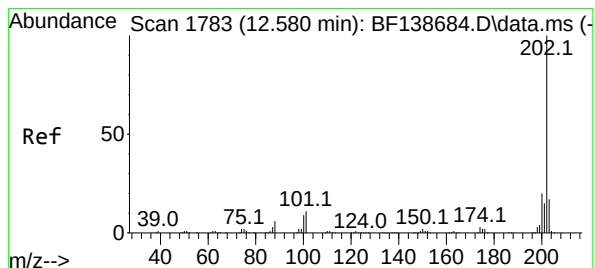
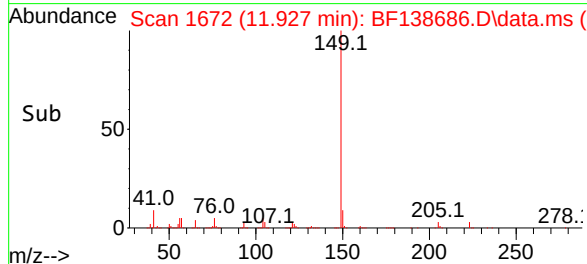
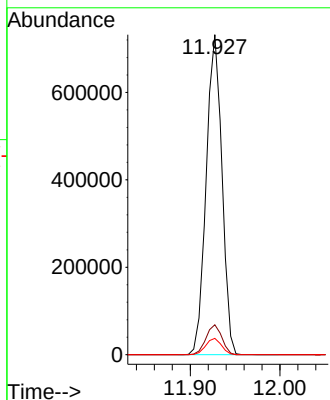
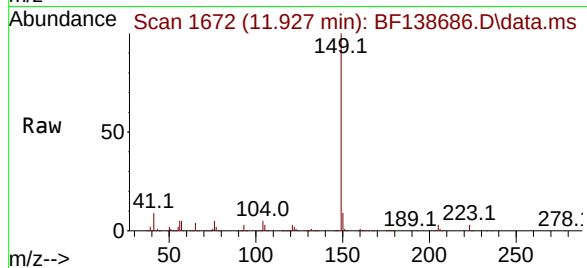




#74
Di-n-butylphthalate
Concen: 60.481 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

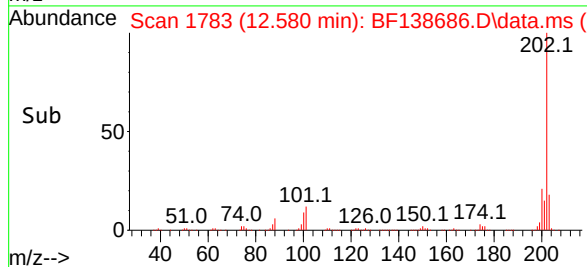
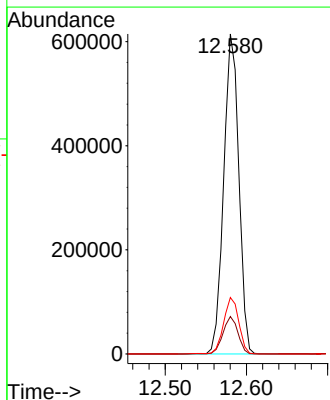
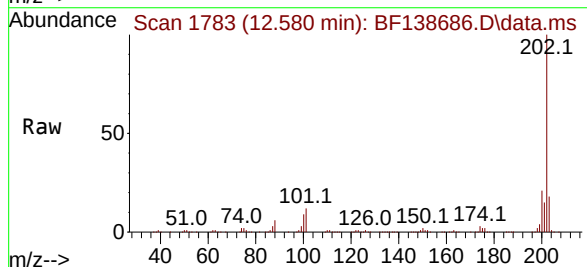
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

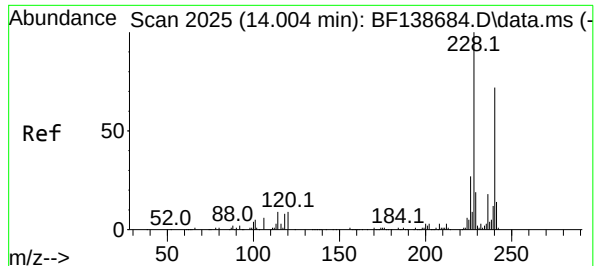
Tgt Ion:149 Resp: 891999
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 5.1 4.1 6.1



#75
Fluoranthene
Concen: 55.309 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:202 Resp: 797022
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.2
203 17.7 0.0 37.3

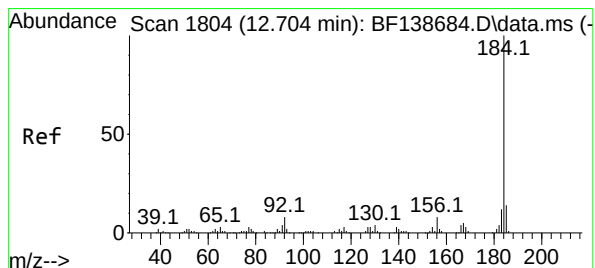
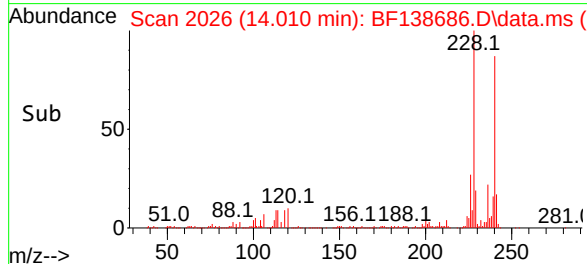
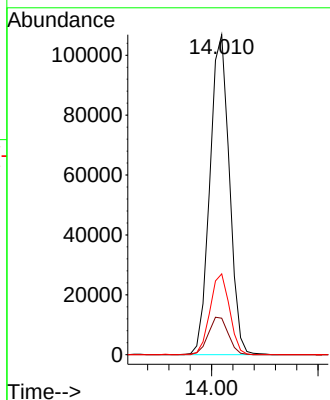
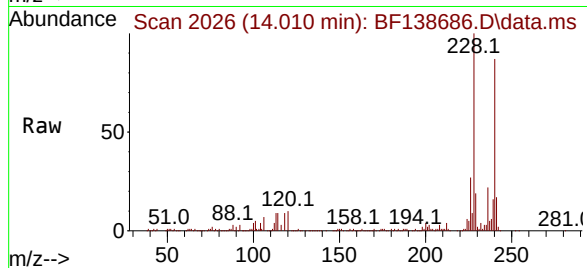




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

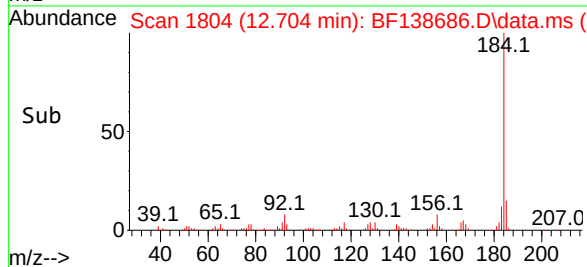
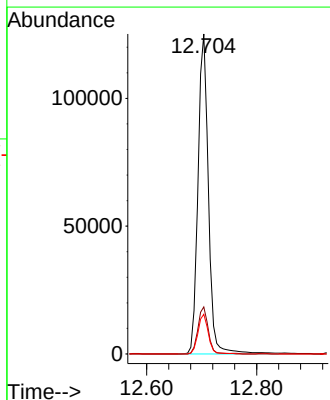
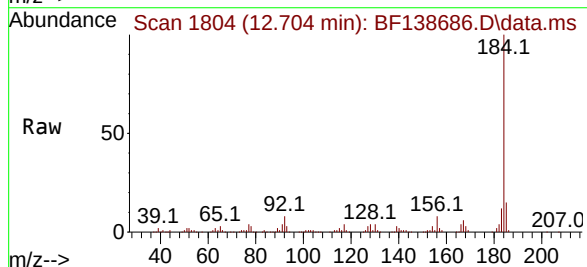
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

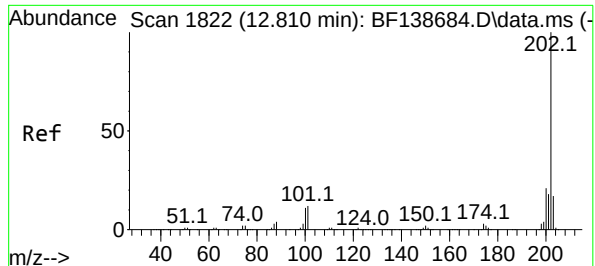
Tgt Ion:240 Resp: 135234
Ion Ratio Lower Upper
240 100
120 11.4 10.2 15.4
236 25.3 19.8 29.8



#77
Benzidine
Concen: 51.170 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:184 Resp: 165511
Ion Ratio Lower Upper
184 100
185 14.7 11.1 16.7
183 12.4 9.6 14.4

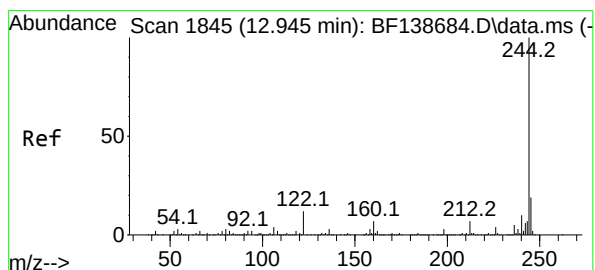
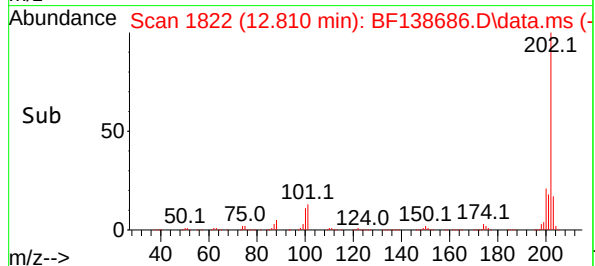
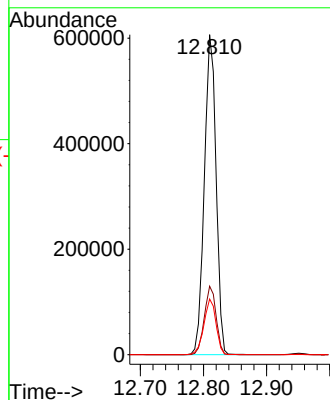
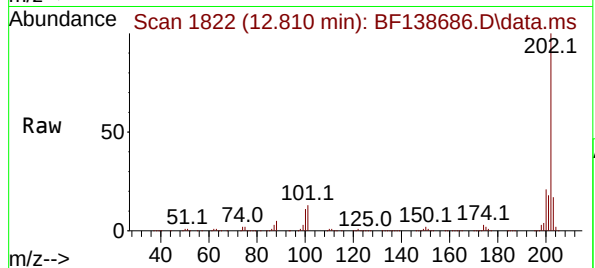




#78
Pyrene
Concen: 61.448 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

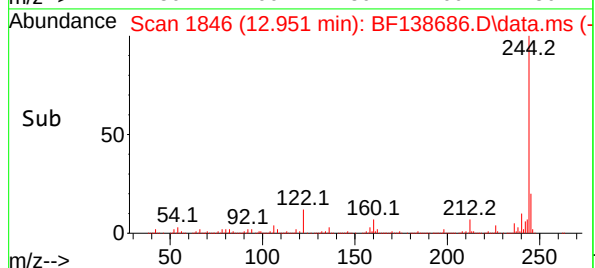
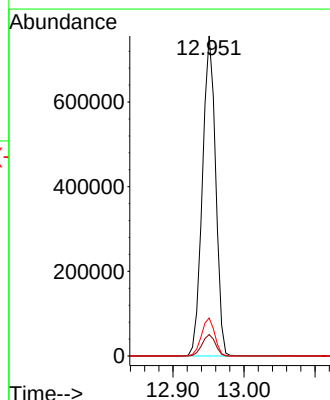
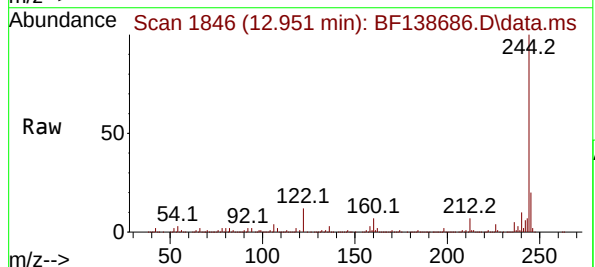
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

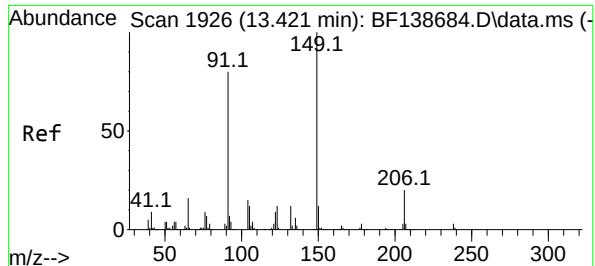
Tgt Ion:202 Resp: 782403
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.4 13.8 20.6



#79
Terphenyl-d14
Concen: 121.541 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:244 Resp: 981714
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 11.9 9.6 14.4





#80

Butylbenzylphthalate

Concen: 61.709 ng

RT: 13.421 min Scan# 1926

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

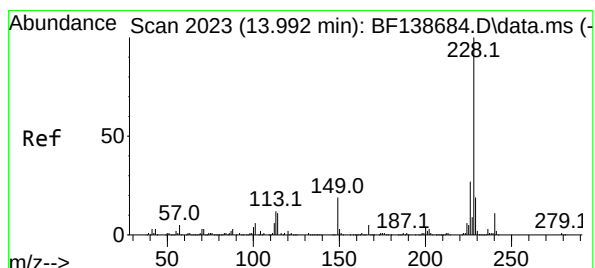
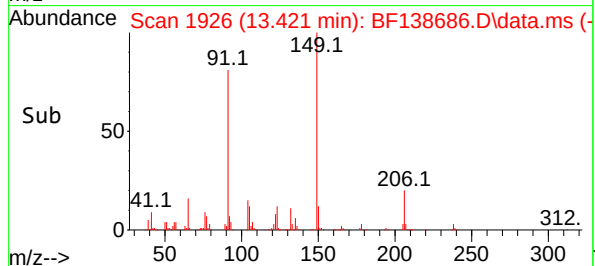
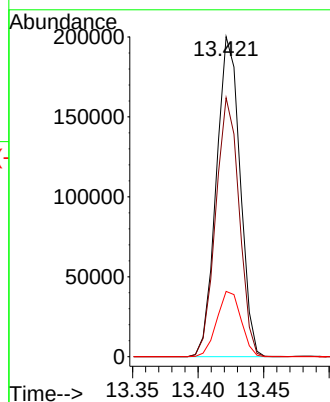
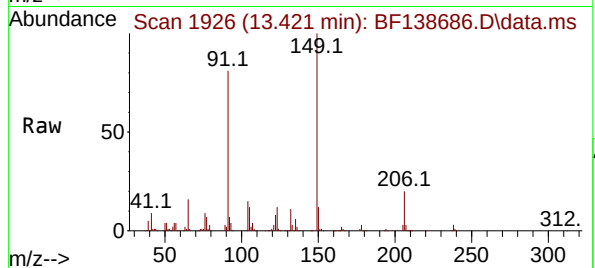
Tgt Ion:149 Resp: 251612

Ion Ratio Lower Upper

149 100

91 80.9 63.7 95.5

206 20.4 16.2 24.2



#81

Benzo(a)anthracene

Concen: 58.859 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

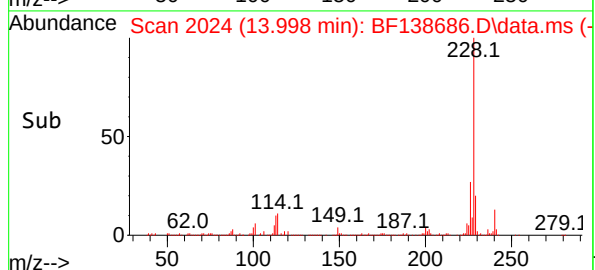
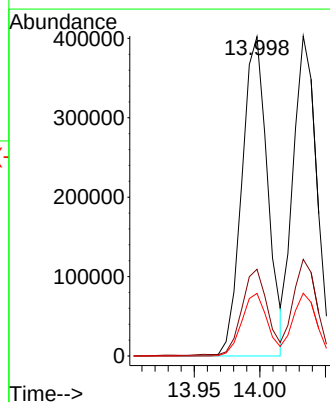
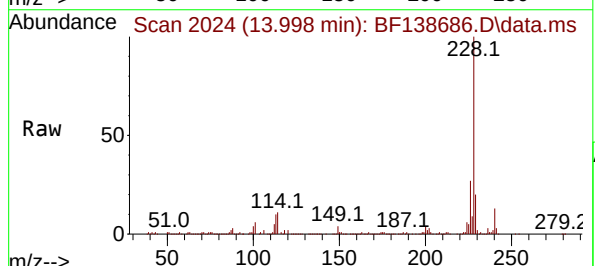
Tgt Ion:228 Resp: 548125

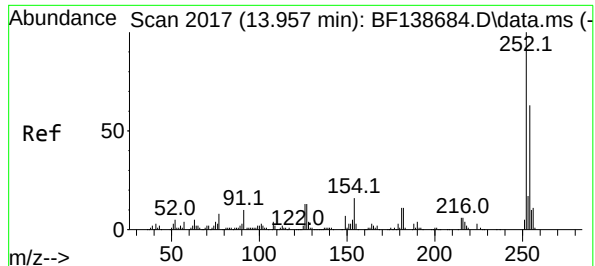
Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

229 19.6 15.4 23.0





#82

3,3'-Dichlorobenzidine

Concen: 54.238 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

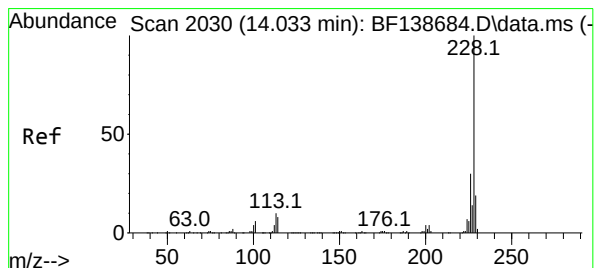
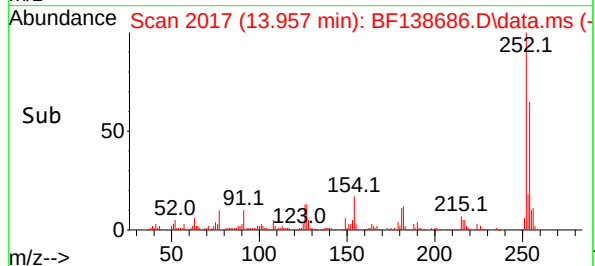
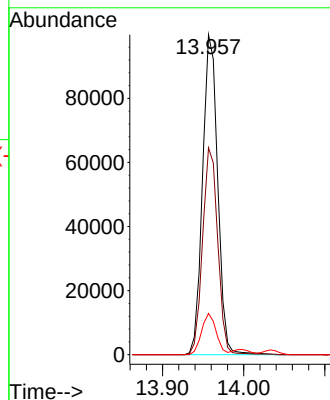
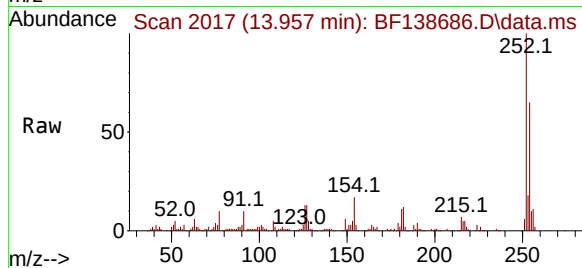
Tgt Ion:252 Resp: 129254

Ion Ratio Lower Upper

252 100

254 64.6 50.8 76.2

126 12.9 10.2 15.2



#83

Chrysene

Concen: 59.365 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

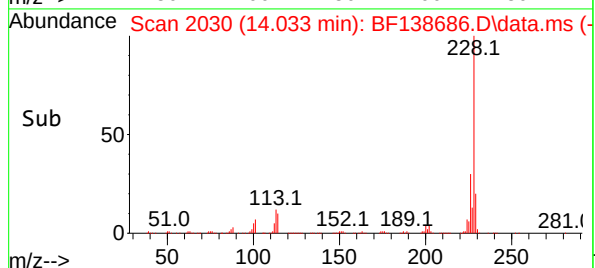
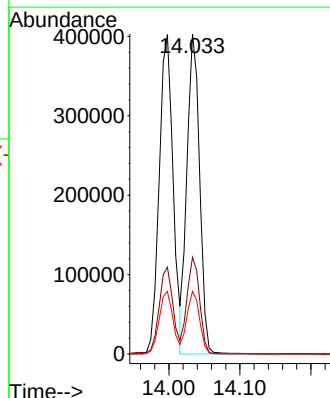
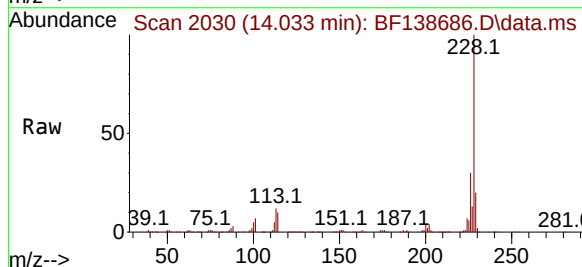
Tgt Ion:228 Resp: 498766

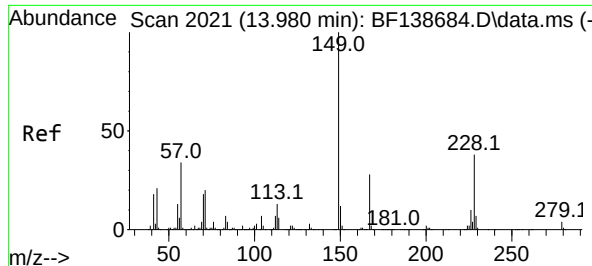
Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 19.6 15.0 22.6

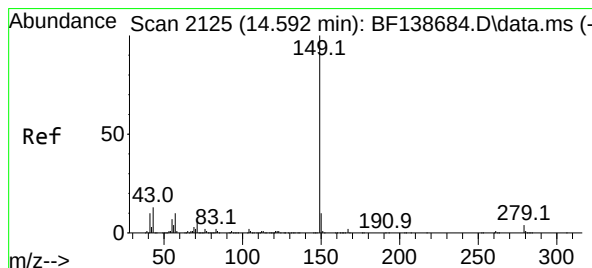
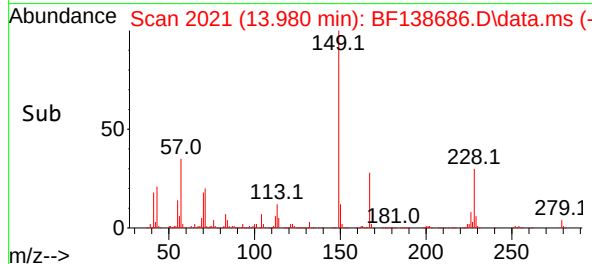
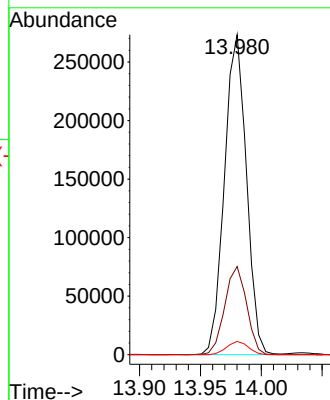
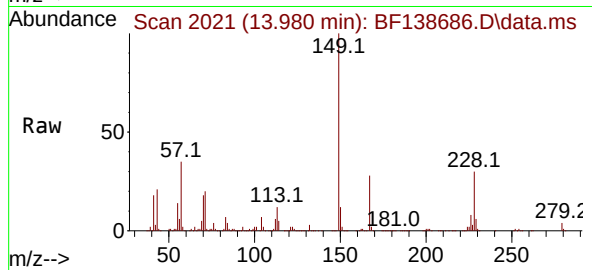




#84
Bis(2-ethylhexyl)phthalate
Concen: 57.526 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

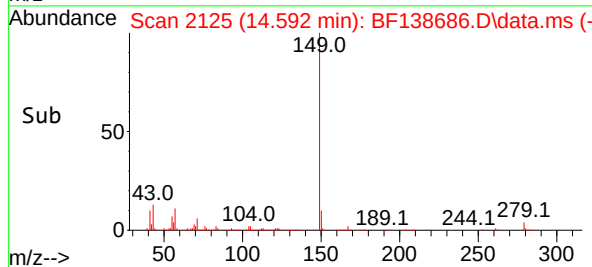
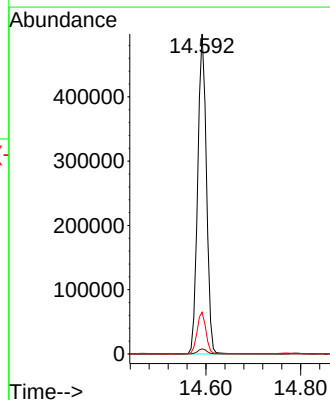
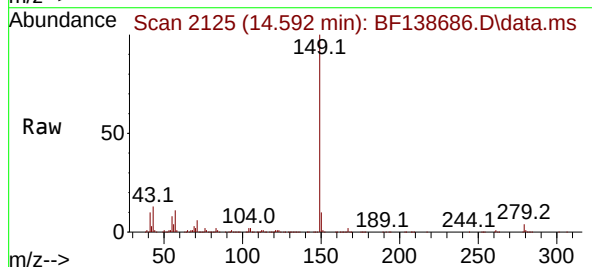
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

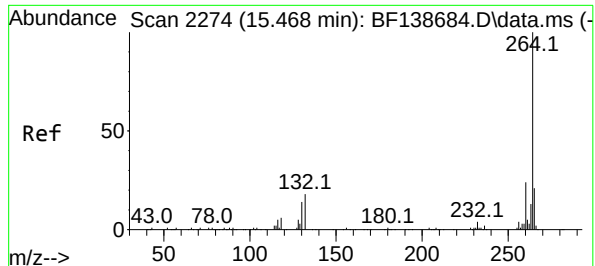
Tgt Ion:149 Resp: 343468
Ion Ratio Lower Upper
149 100
167 27.6 22.2 33.4
279 4.2 3.4 5.0



#85
Di-n-octyl phthalate
Concen: 57.670 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:149 Resp: 637055
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 13.1 10.4 15.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

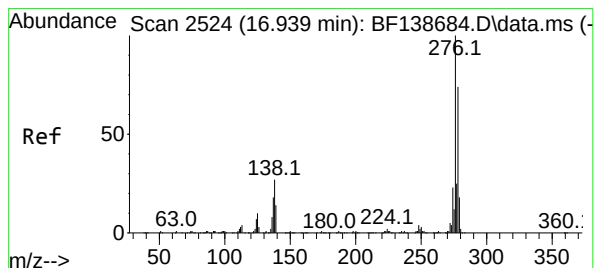
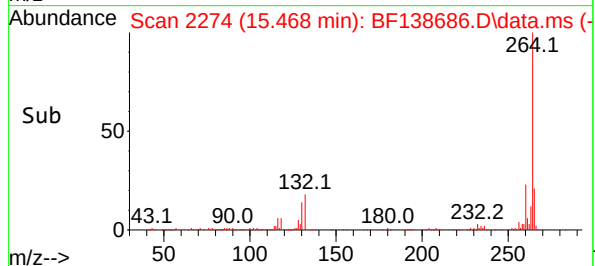
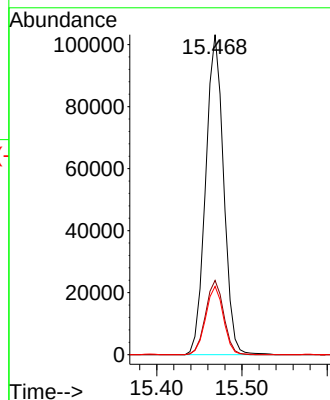
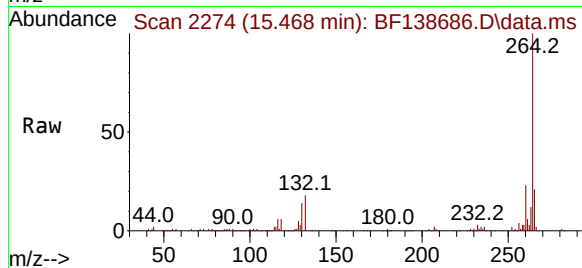
Tgt Ion:264 Resp: 151051

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.3 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 58.833 ng

RT: 16.945 min Scan# 2525

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

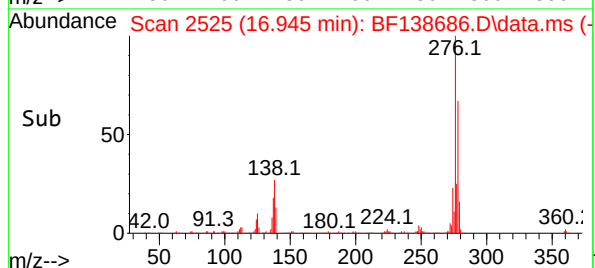
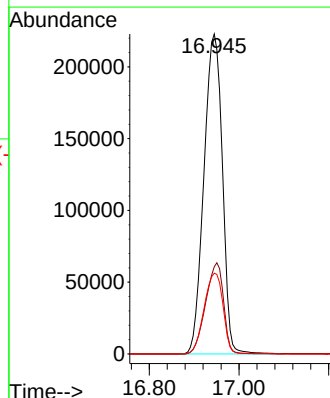
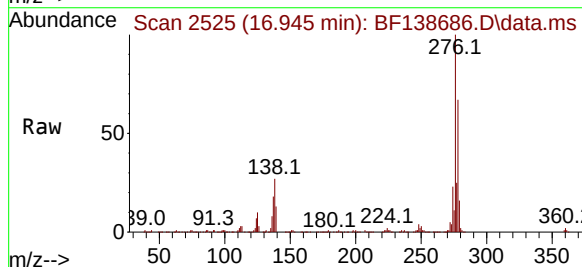
Tgt Ion:276 Resp: 636857

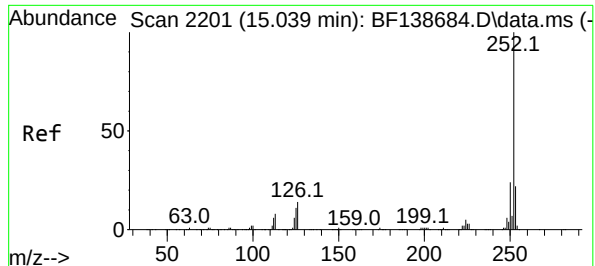
Ion Ratio Lower Upper

276 100

138 27.6 21.8 32.8

277 25.8 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 54.916 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

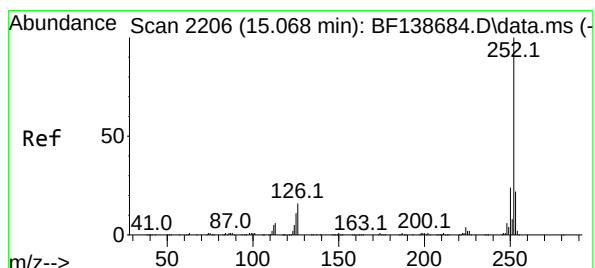
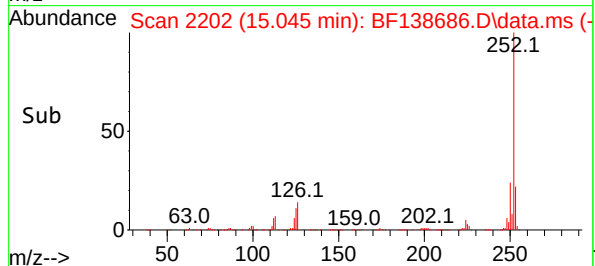
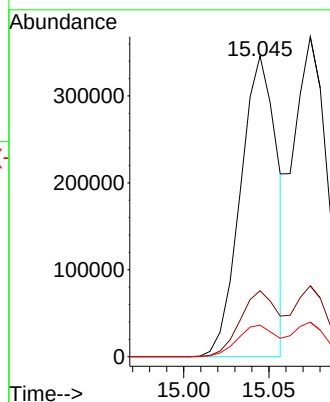
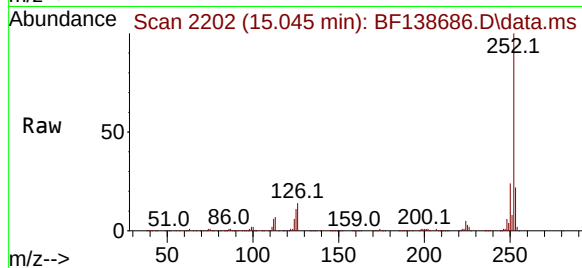
Tgt Ion:252 Resp: 514218

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.5 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 62.431 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

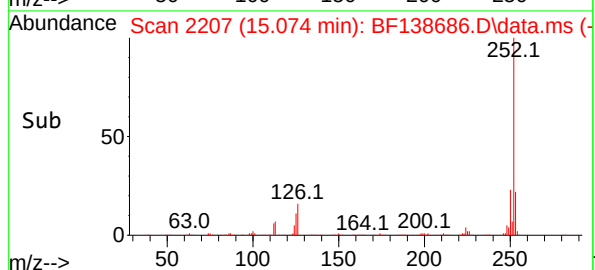
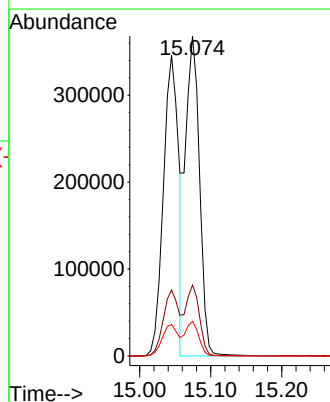
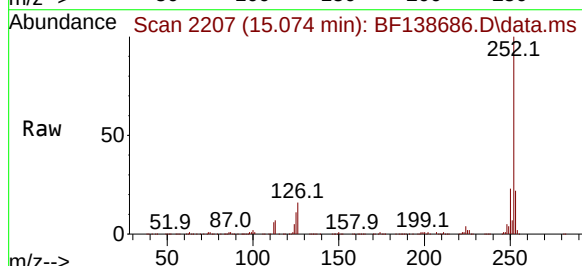
Tgt Ion:252 Resp: 506146

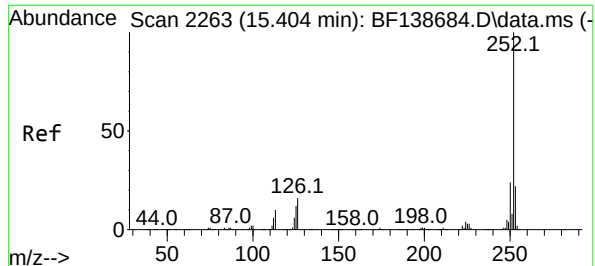
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 10.8 8.6 13.0





#90

Benzo(a)pyrene

Concen: 59.572 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

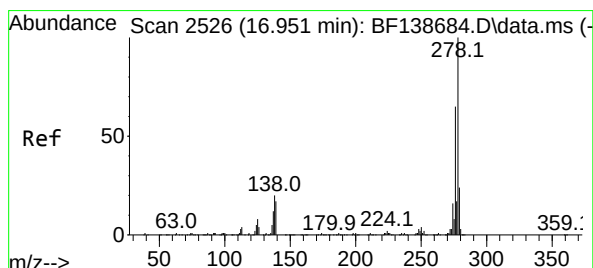
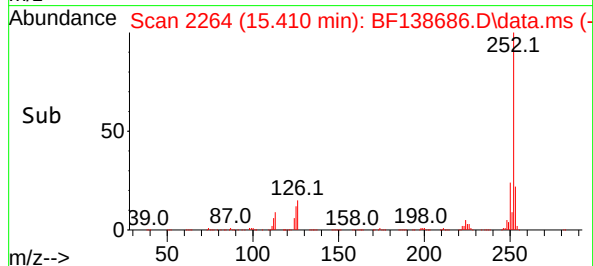
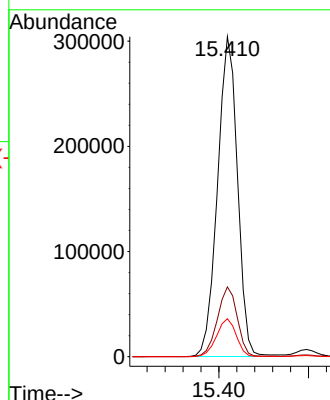
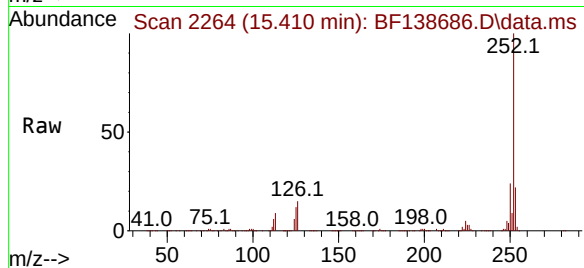
Tgt Ion:252 Resp: 469205

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.9 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 58.470 ng

RT: 16.956 min Scan# 2527

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

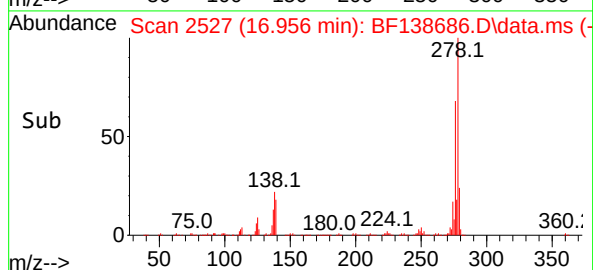
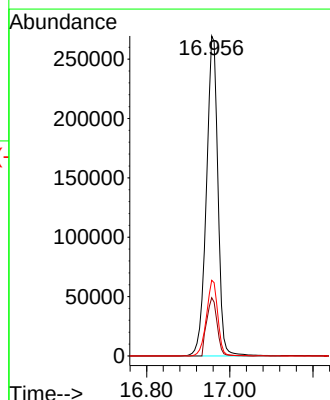
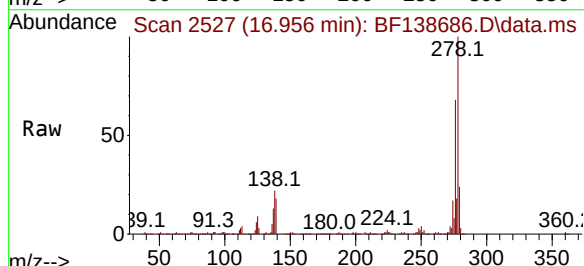
Tgt Ion:278 Resp: 519552

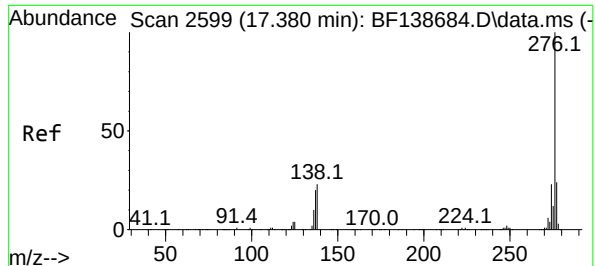
Ion Ratio Lower Upper

278 100

139 18.2 14.0 21.0

279 23.7 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 58.883 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF138686.D

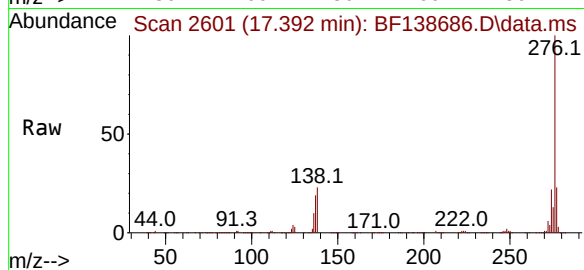
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



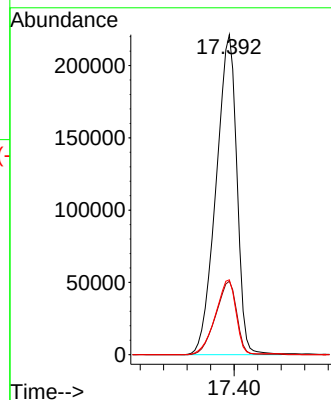
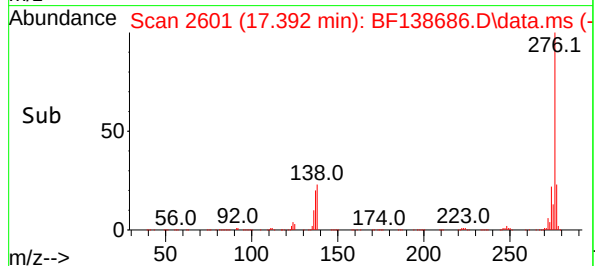
Tgt Ion:276 Resp: 542952

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 23.4 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138687.D
 Acq On : 30 Jul 2024 16:29
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jul 30 17:47:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	82334	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	318281	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	170513	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	270140	20.000	ng	0.00
76) Chrysene-d12	14.010	240	127279	20.000	ng	0.00
86) Perylene-d12	15.468	264	150274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	779516	146.149	ng	0.00
7) Phenol-d6	6.498	99	1037275	144.849	ng	0.01
23) Nitrobenzene-d5	7.422	82	999276	153.499	ng	0.01
42) 2,4,6-Tribromophenol	10.681	330	215316	154.157	ng	0.01
45) 2-Fluorobiphenyl	9.210	172	1598378	140.843	ng	0.00
79) Terphenyl-d14	12.951	244	1102959	145.087	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.599	88	179012	76.661	ng	99
3) Pyridine	3.357	79	430656	76.132	ng	98
4) n-Nitrosodimethylamine	3.334	42	264606	78.541	ng	100
6) Aniline	6.522	93	452908	70.918	ng	# 81
8) 2-Chlorophenol	6.640	128	412290	73.470	ng	99
10) Phenol	6.510	94	548122	72.698	ng	91
11) bis(2-Chloroethyl)ether	6.593	93	439507	75.750	ng	99
12) 1,3-Dichlorobenzene	6.793	146	457584	72.845	ng	100
13) 1,4-Dichlorobenzene	6.869	146	463447	73.107	ng	99
14) 1,2-Dichlorobenzene	7.022	146	422717	71.351	ng	100
15) Benzyl Alcohol	6.998	79	379102	73.451	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.128	45	704056	70.510	ng	91
17) 2-Methylphenol	7.110	107	344171	74.274	ng	97
18) Hexachloroethane	7.357	117	177915	74.559	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	319414	73.850	ng	96
20) 3+4-Methylphenols	7.269	107	420506	70.728	ng	# 90
22) Acetophenone	7.269	105	583306	74.849	ng	98
24) Nitrobenzene	7.440	77	510201	77.019	ng	98
25) Isophorone	7.681	82	862380	77.580	ng	99
26) 2-Nitrophenol	7.751	139	227531	79.835	ng	99
27) 2,4-Dimethylphenol	7.792	122	263469	77.265	ng	99
28) bis(2-Chloroethoxy)met...	7.881	93	522528	77.190	ng	99
29) 2,4-Dichlorophenol	7.998	162	336540	76.805	ng	100
30) 1,2,4-Trichlorobenzene	8.075	180	381296	75.405	ng	99
31) Naphthalene	8.157	128	1242069	74.139	ng	100
32) Benzoic acid	7.957	122	247058	92.209	ng	97
33) 4-Chloroaniline	8.216	127	443424	78.849	ng	99
34) Hexachlorobutadiene	8.263	225	230783	75.351	ng	100
35) Caprolactam	8.604	113	107916	82.539	ng	97
36) 4-Chloro-3-methylphenol	8.692	107	386382	77.158	ng	99
37) 2-Methylnaphthalene	8.839	142	782843	73.988	ng	100
38) 1-Methylnaphthalene	8.945	142	760272	73.328	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	351438	74.196	ng	99
41) Hexachlorocyclopentadiene	8.992	237	99926	79.729	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	227901	78.913	ng	100
44) 2,4,5-Trichlorophenol	9.169	196	245697	77.822	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138687.D
 Acq On : 30 Jul 2024 16:29
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

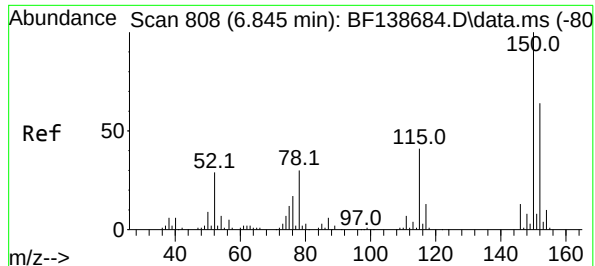
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.310	154	983564	73.651	ng	100
47) 2-Chloronaphthalene	9.334	162	742852	74.793	ng	100
48) 2-Nitroaniline	9.434	65	266220	79.066	ng	98
49) Acenaphthylene	9.751	152	1013441	71.944	ng	99
50) Dimethylphthalate	9.616	163	843645	77.379	ng	99
51) 2,6-Dinitrotoluene	9.681	165	189138	76.868	ng	97
52) Acenaphthene	9.922	154	693130	73.198	ng	100
53) 3-Nitroaniline	9.851	138	194796	76.581	ng	100
54) 2,4-Dinitrophenol	9.957	184	100793	88.986	ng	94
55) Dibenzofuran	10.092	168	963359	72.071	ng	100
56) 4-Nitrophenol	10.016	139	127589	83.411	ng	98
57) 2,4-Dinitrotoluene	10.086	165	237463	75.642	ng	# 88
58) Fluorene	10.433	166	768404	72.188	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	192425	79.721	ng	97
60) Diethylphthalate	10.310	149	788464	76.270	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	376130	71.847	ng	99
62) 4-Nitroaniline	10.469	138	181845	75.227	ng	98
63) Azobenzene	10.586	77	857699	74.806	ng	99
65) 4,6-Dinitro-2-methylph...	10.492	198	137397	83.368	ng	97
66) n-Nitrosodiphenylamine	10.551	169	641930	76.022	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	226137	77.318	ng	99
68) Hexachlorobenzene	10.980	284	233005	77.158	ng	99
69) Atrazine	11.075	200	152765	70.122	ng	99
70) Pentachlorophenol	11.180	266	120403	88.455	ng	98
71) Phenanthrene	11.398	178	1020185	73.341	ng	99
72) Anthracene	11.451	178	1005219	73.356	ng	100
73) Carbazole	11.604	167	836447	70.750	ng	99
74) Di-n-butylphthalate	11.927	149	1016790	76.505	ng	100
75) Fluoranthene	12.586	202	893988	68.843	ng	99
78) Pyrene	12.816	202	882216	73.618	ng	99
80) Butylbenzylphthalate	13.427	149	304470	79.340	ng	99
81) Benzo(a)anthracene	13.998	228	659091	75.198	ng	99
82) 3,3'-Dichlorobenzidine	13.963	252	159678	71.192	ng	99
83) Chrysene	14.039	228	617804	78.129	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	440693	78.423	ng	100
85) Di-n-octyl phthalate	14.592	149	817161	78.597	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	827423	76.833	ng	99
88) Benzo(b)fluoranthene	15.045	252	721224	77.422	ng	99
89) Benzo(k)fluoranthene	15.080	252	596517	73.959	ng	99
90) Benzo(a)pyrene	15.416	252	609452	77.779	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	664634	75.184	ng	100
92) Benzo(g,h,i)perylene	17.398	276	702583	76.589	ng	99

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

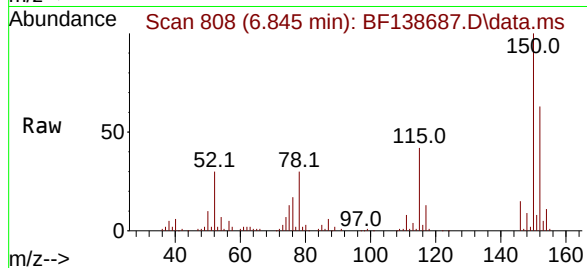
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BNA_F
ClientSampleId :
SSTDICC080

[illegible]

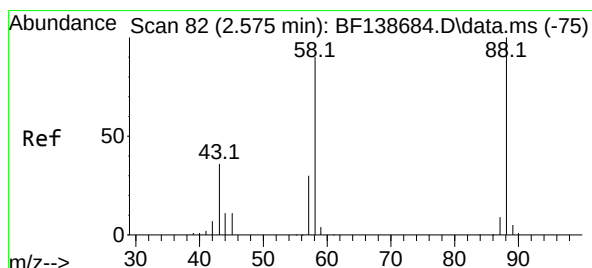
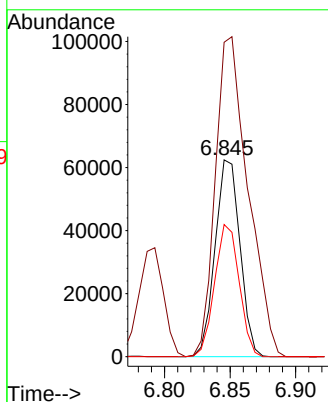
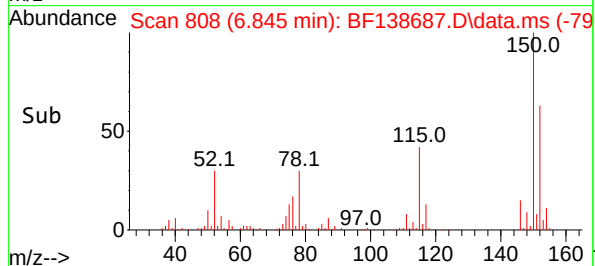


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

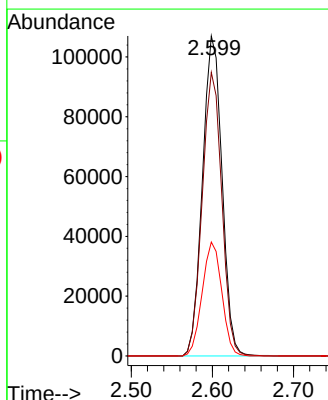
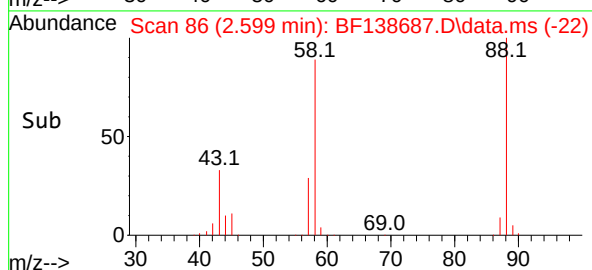
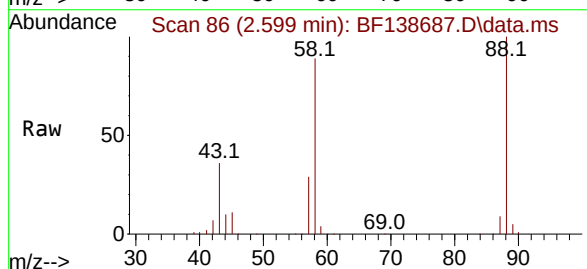


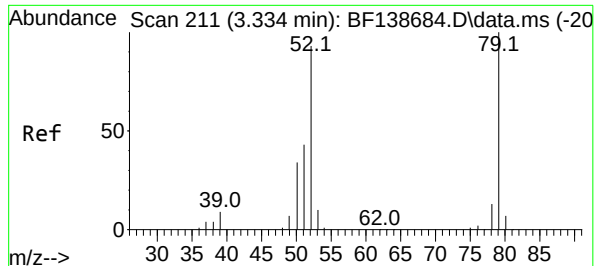
Tgt Ion:152 Resp: 82334
Ion Ratio Lower Upper
152 100
150 159.8 126.0 189.0
115 67.1 51.7 77.5



#2
1,4-Dioxane
Concen: 76.661 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 88 Resp: 179012
Ion Ratio Lower Upper
88 100
58 88.5 71.6 107.4
43 35.7 28.7 43.1





#3

Pyridine

Concen: 76.132 ng

RT: 3.357 min Scan# 211

Delta R.T. 0.024 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

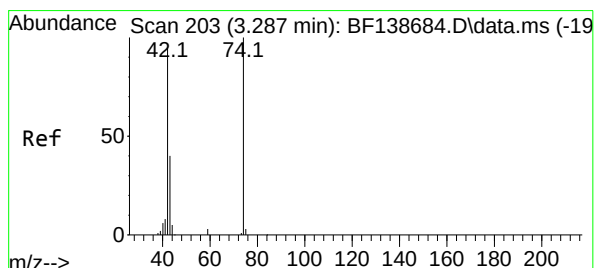
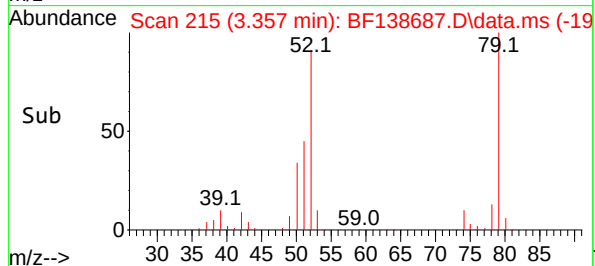
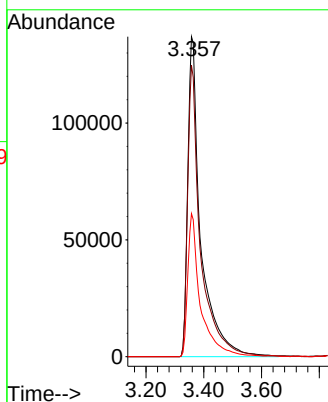
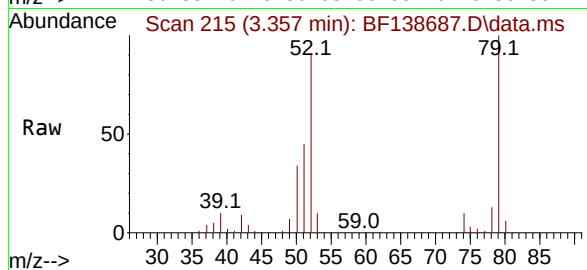
Tgt Ion: 79 Resp: 430656

Ion Ratio Lower Upper

79 100

52 91.0 74.7 112.1

51 44.7 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 78.541 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.047 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

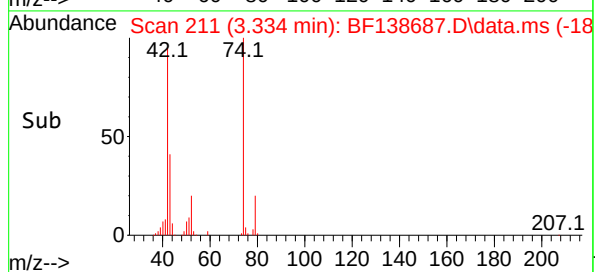
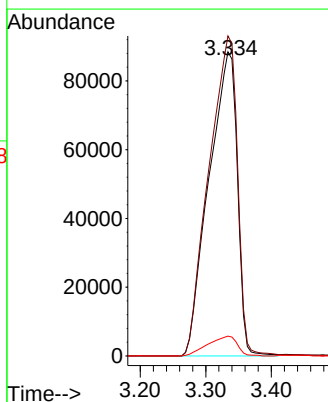
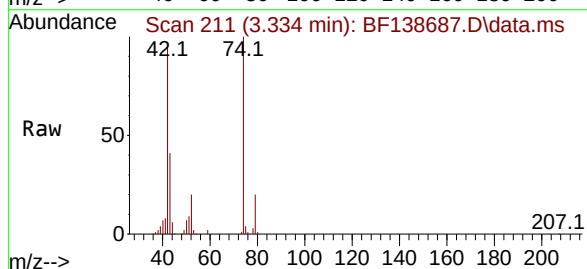
Tgt Ion: 42 Resp: 264606

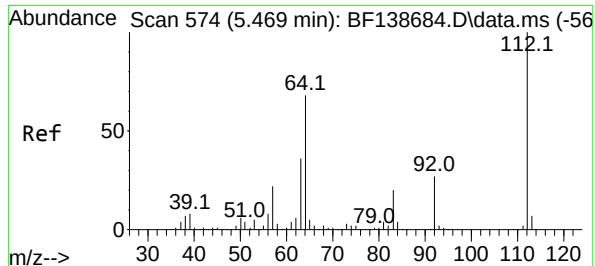
Ion Ratio Lower Upper

42 100

74 105.2 84.2 126.4

44 6.5 4.9 7.3





#5

2-Fluorophenol

Concen: 146.149 ng

RT: 5.475 min Scan# 51

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

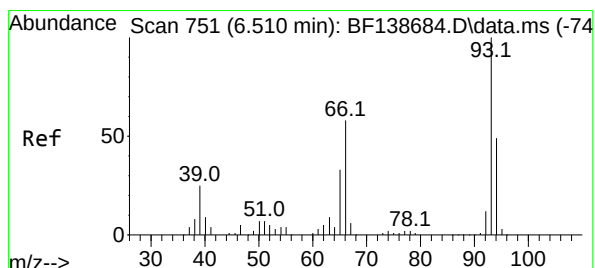
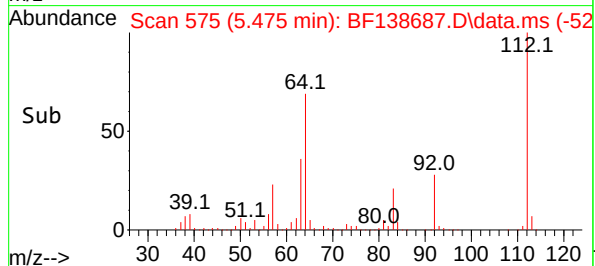
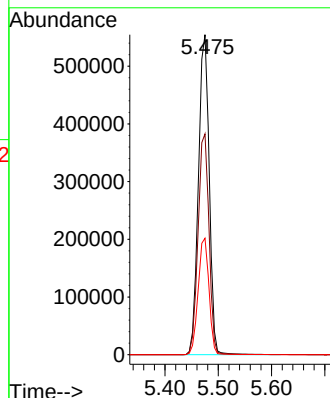
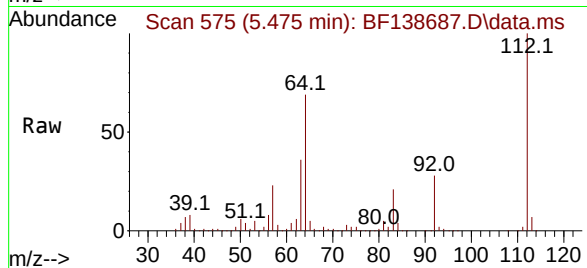
Tgt Ion:112 Resp: 779516

Ion Ratio Lower Upper

112 100

64 69.0 54.2 81.4

63 36.4 28.7 43.1



#6

Aniline

Concen: 70.918 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

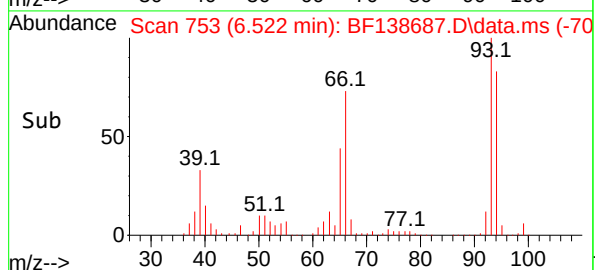
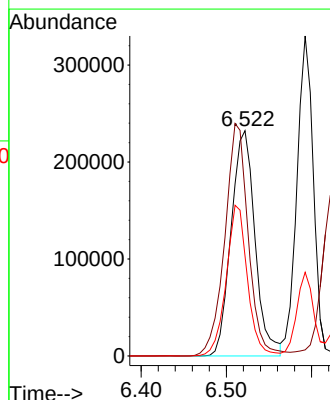
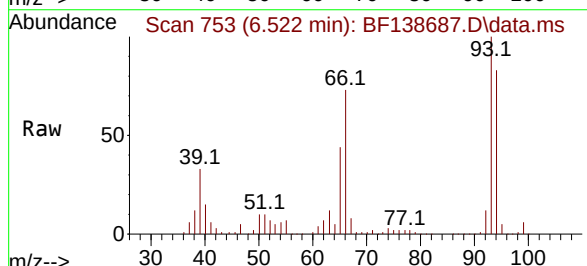
Tgt Ion: 93 Resp: 452908

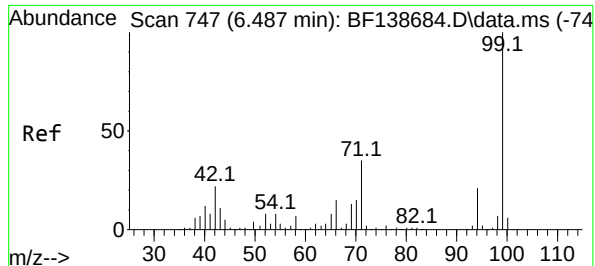
Ion Ratio Lower Upper

93 100

66 72.6 46.9 70.3#

65 44.4 26.5 39.7#





#7

Phenol-d6

Concen: 144.849 ng

RT: 6.498 min Scan# 747

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

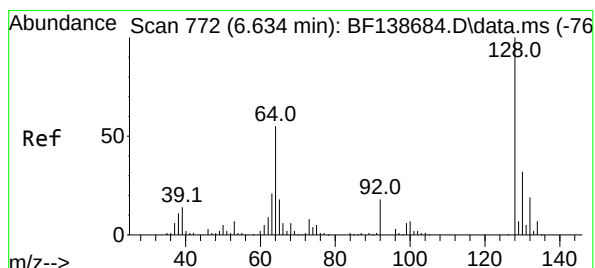
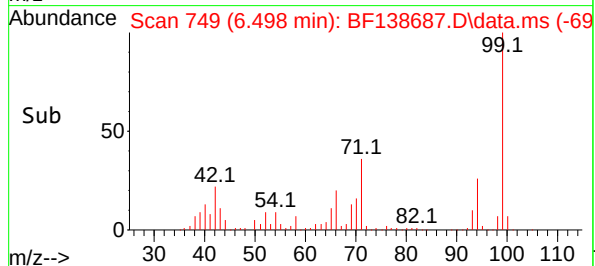
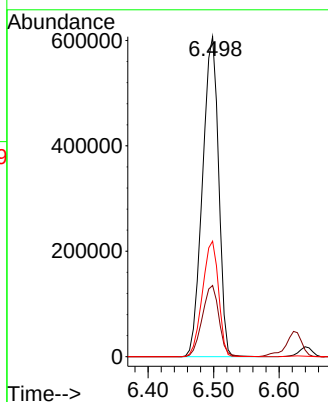
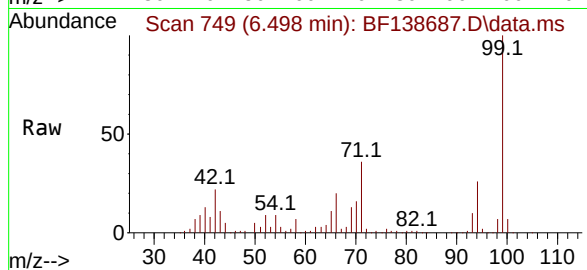
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 1037275

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.4	26.0
71	36.1	28.1	42.1



#8

2-Chlorophenol

Concen: 73.470 ng

RT: 6.640 min Scan# 773

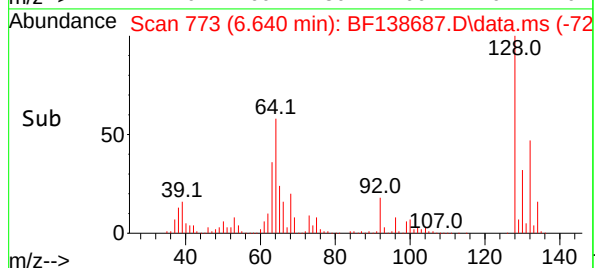
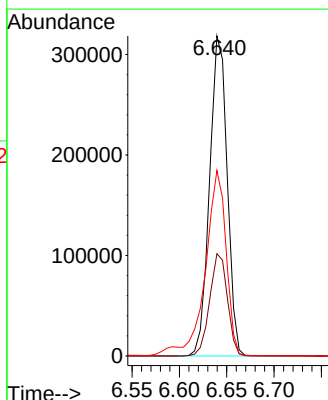
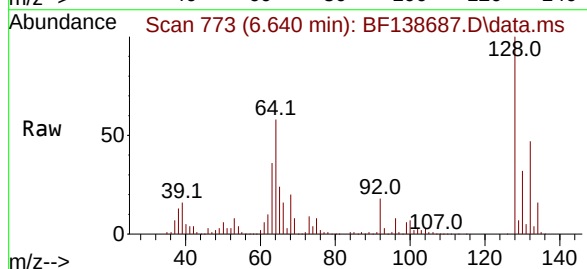
Delta R.T. 0.006 min

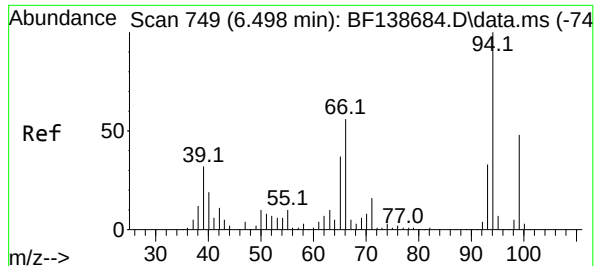
Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Tgt Ion: 128 Resp: 412290

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	57.9	36.3	76.3





#10

Phenol

Concen: 72.698 ng

RT: 6.510 min Scan# 710

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

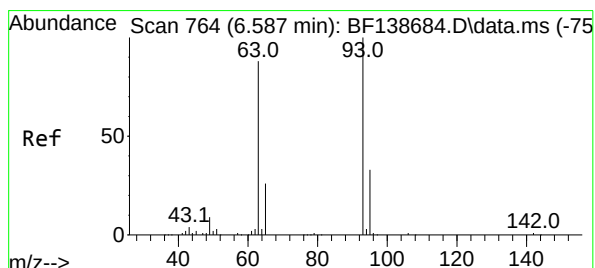
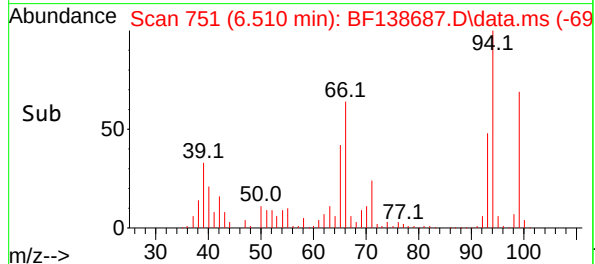
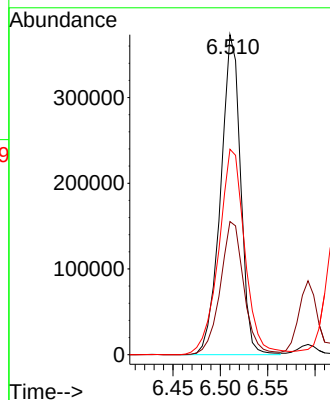
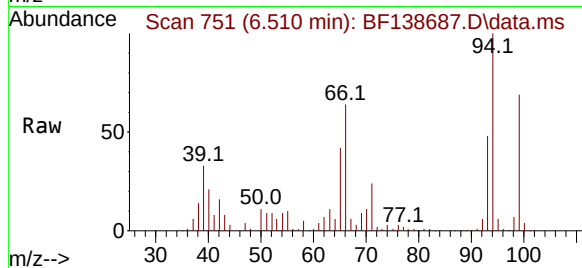
Tgt Ion: 94 Resp: 548122

Ion Ratio Lower Upper

94 100

65 41.6 16.9 56.9

66 64.2 36.5 76.5



#11

bis(2-Chloroethyl)ether

Concen: 75.750 ng

RT: 6.593 min Scan# 765

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

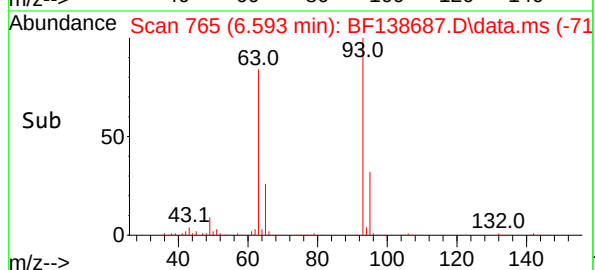
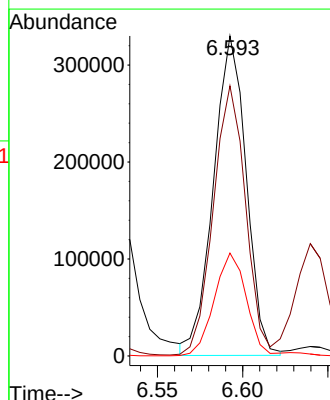
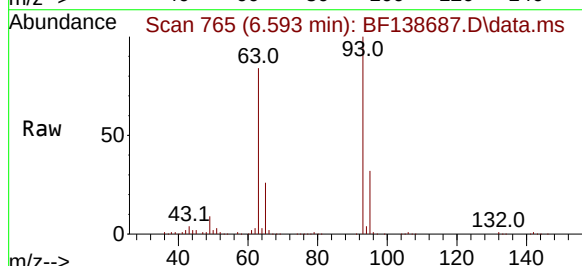
Tgt Ion: 93 Resp: 439507

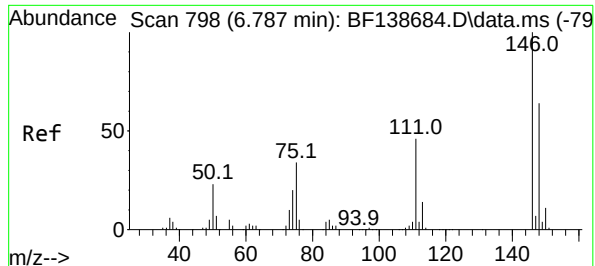
Ion Ratio Lower Upper

93 100

63 84.4 65.3 105.3

95 32.1 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 72.845 ng

RT: 6.793 min Scan# 798

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

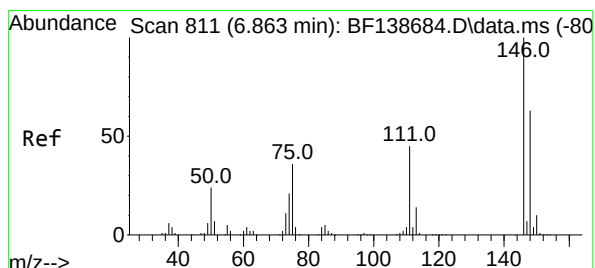
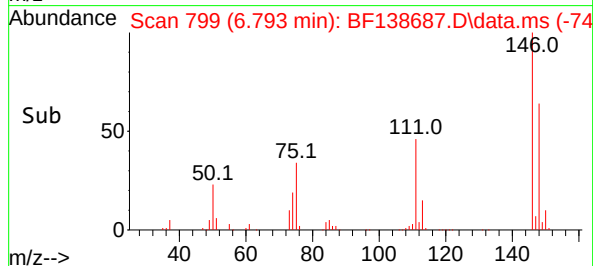
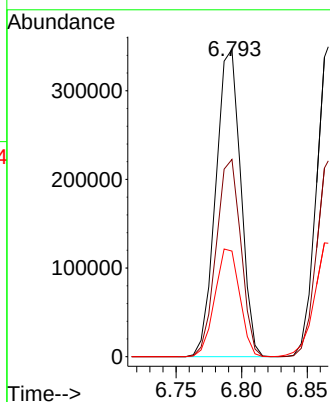
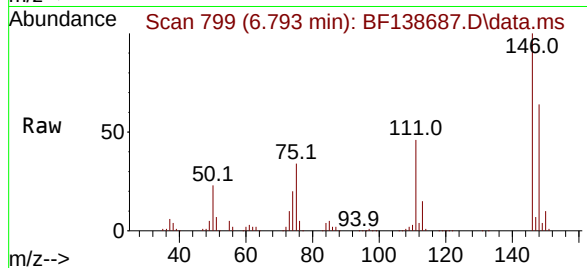
Tgt Ion:146 Resp: 457584

Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

75 34.4 27.4 41.2



#13

1,4-Dichlorobenzene

Concen: 73.107 ng

RT: 6.869 min Scan# 812

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

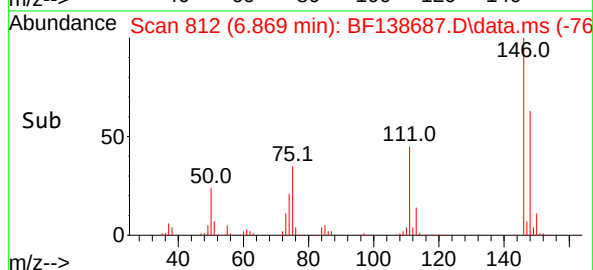
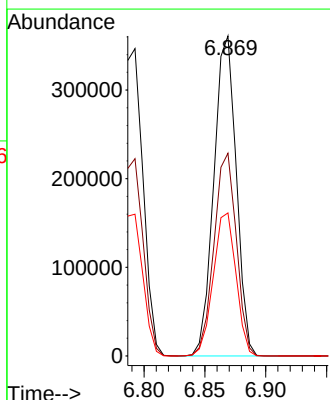
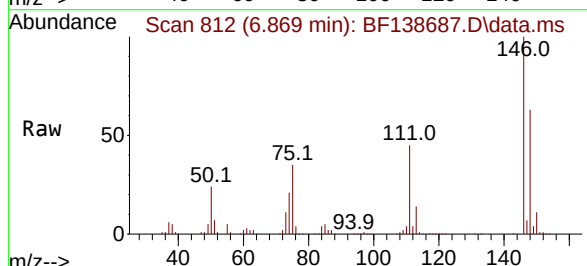
Tgt Ion:146 Resp: 463447

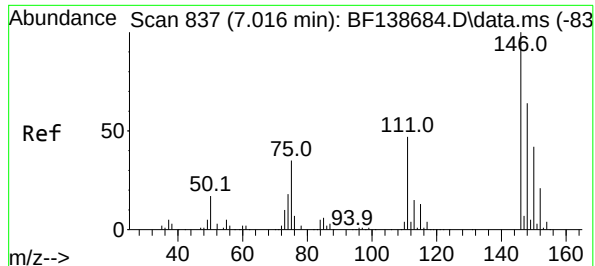
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 44.7 35.9 53.9





#14

1,2-Dichlorobenzene

Concen: 71.351 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

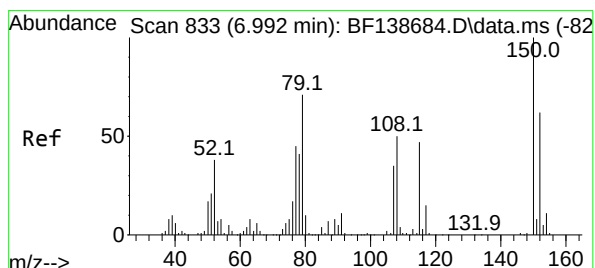
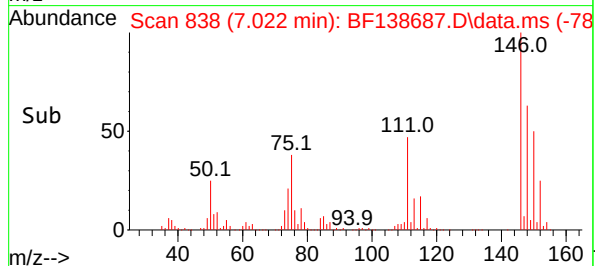
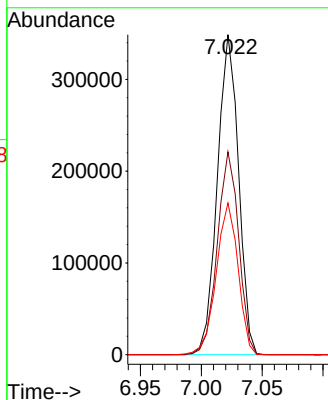
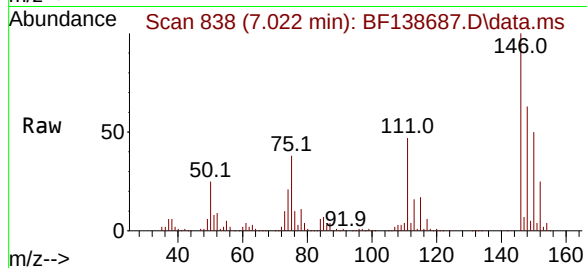
Tgt Ion:146 Resp: 422717

Ion Ratio Lower Upper

146 100

148 63.4 50.8 76.2

111 47.4 37.4 56.2



#15

Benzyl Alcohol

Concen: 73.451 ng

RT: 6.998 min Scan# 834

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

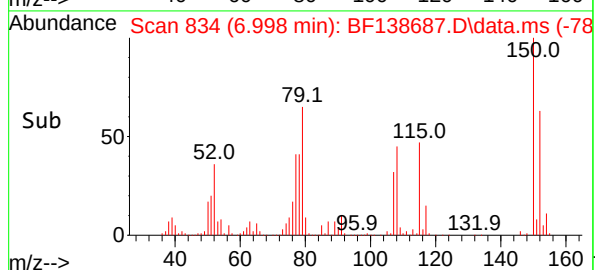
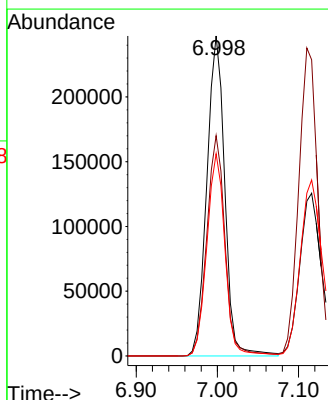
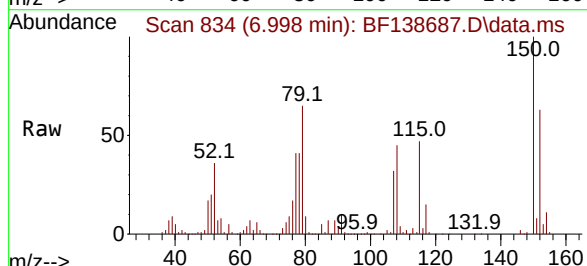
Tgt Ion: 79 Resp: 379102

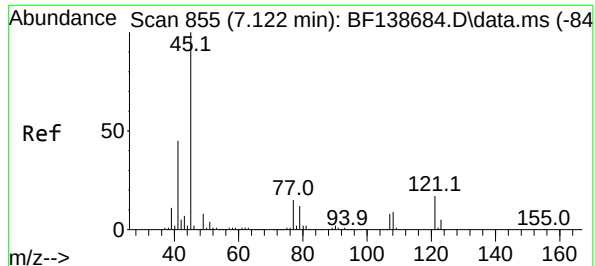
Ion Ratio Lower Upper

79 100

108 68.9 56.6 85.0

77 63.2 50.3 75.5

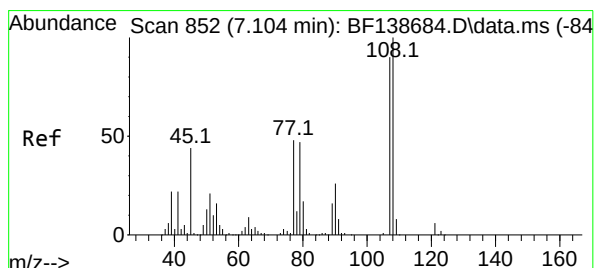
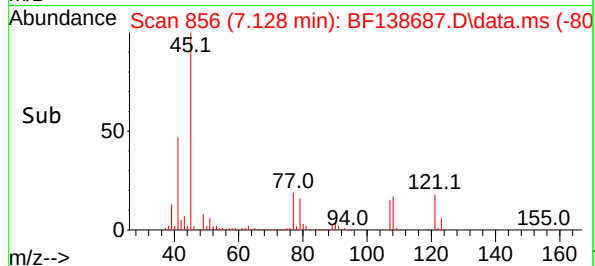
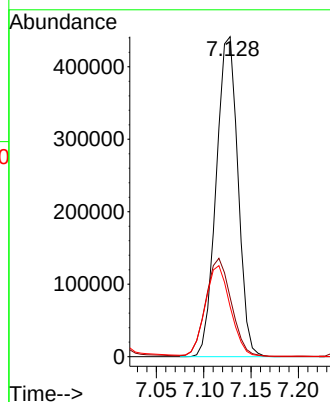
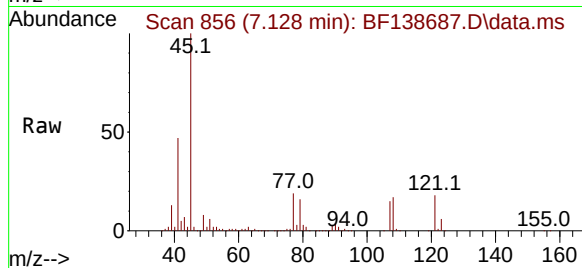




#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.510 ng
RT: 7.128 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

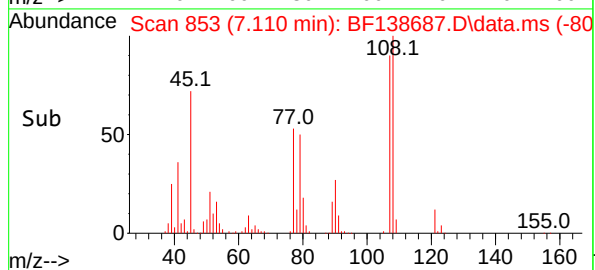
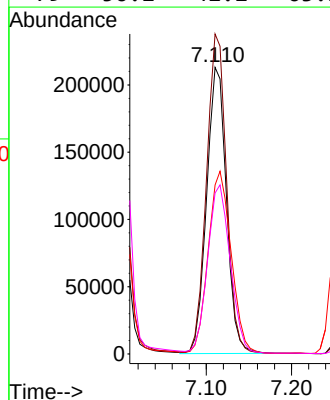
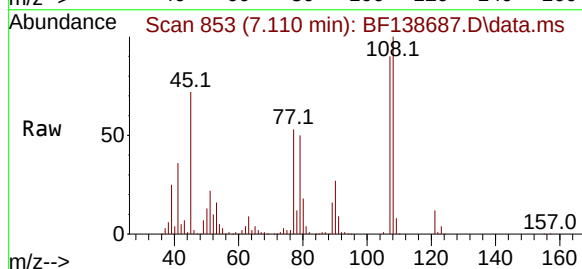
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

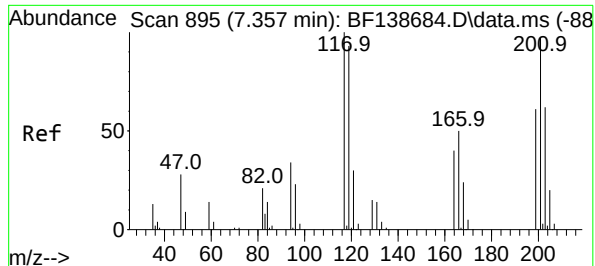
Tgt Ion: 45 Resp: 704056
Ion Ratio Lower Upper
45 100
77 18.5 0.0 34.9
79 15.7 0.0 32.2



#17
2-Methylphenol
Concen: 74.274 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 107 Resp: 344171
Ion Ratio Lower Upper
107 100
108 111.7 89.2 133.8
77 59.0 43.0 64.4
79 56.2 42.2 63.2

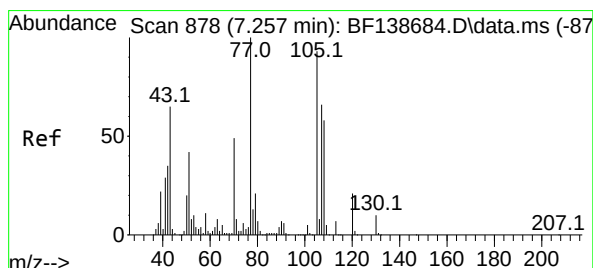
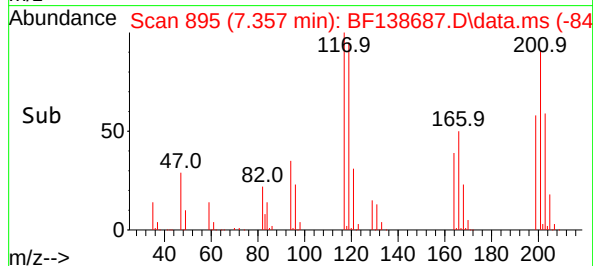
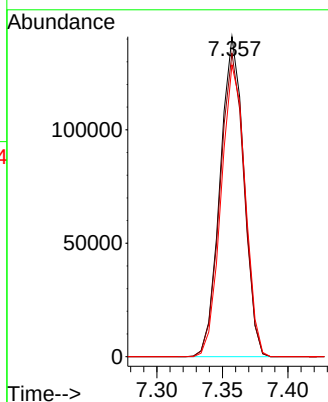
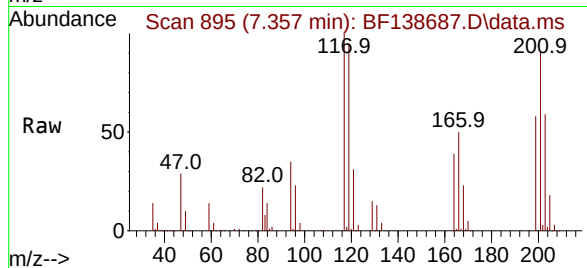




#18
Hexachloroethane
Concen: 74.559 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

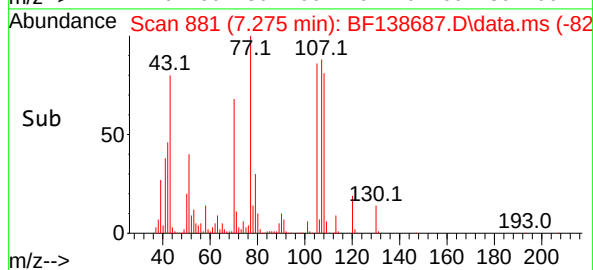
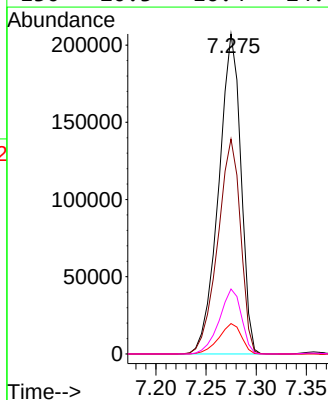
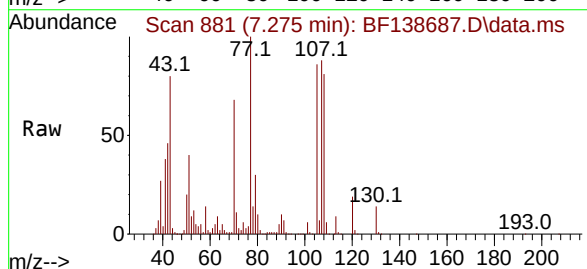
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

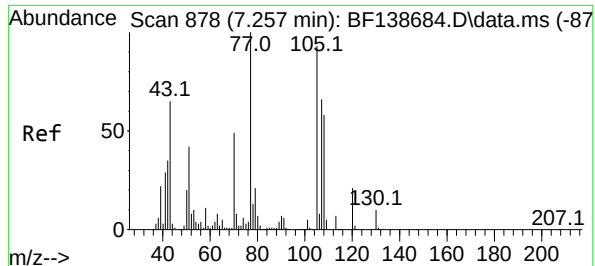
Tgt Ion: 117 Resp: 177915
Ion Ratio Lower Upper
117 100
119 94.8 74.6 111.8
201 91.2 77.2 115.8



#19
n-Nitroso-di-n-propylamine
Concen: 73.850 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 70 Resp: 319414
Ion Ratio Lower Upper
70 100
42 67.1 57.4 86.0
101 9.5 7.5 11.3
130 20.3 16.4 24.6





#20

3+4-Methylphenols

Concen: 70.728 ng

RT: 7.269 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF138687.D

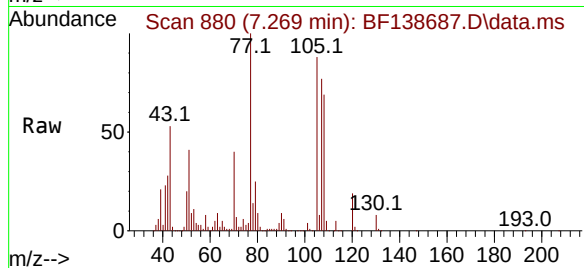
Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:107 Resp: 420506

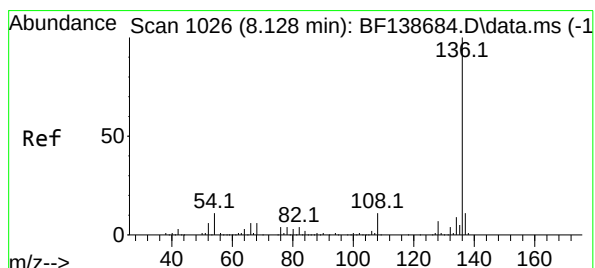
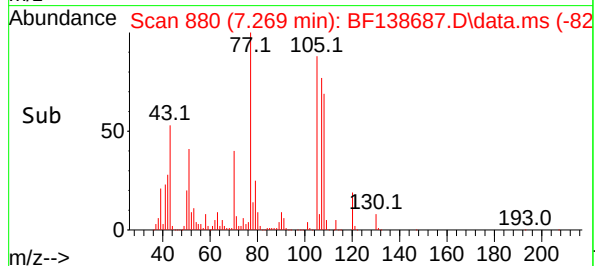
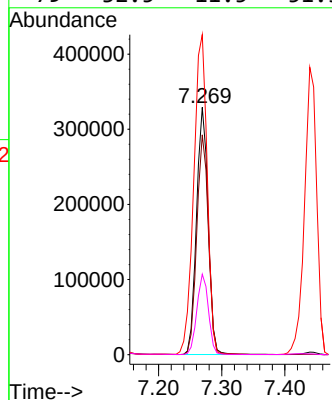
Ion Ratio Lower Upper

107 100

108 88.9 68.2 108.2

77 129.4 132.1 172.1#

79 32.5 11.5 51.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Tgt Ion:136 Resp: 318281

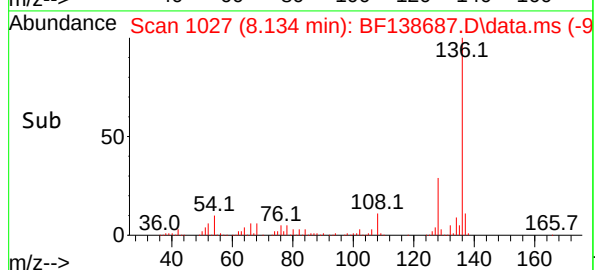
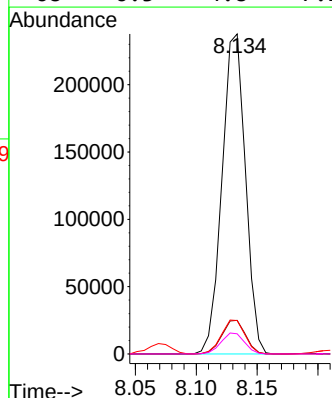
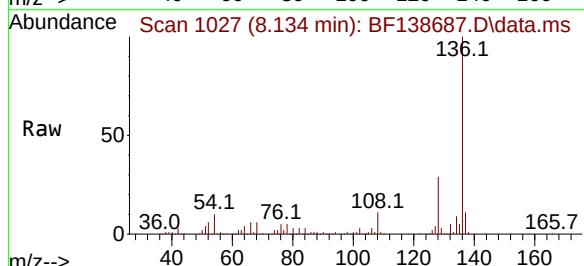
Ion Ratio Lower Upper

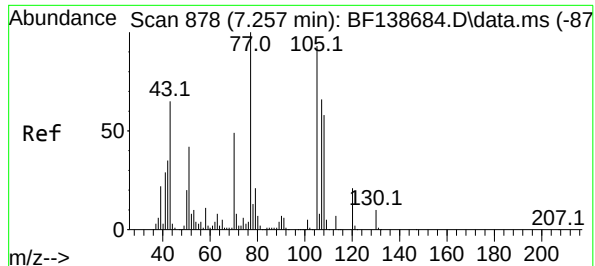
136 100

137 10.5 8.9 13.3

54 10.4 8.6 12.8

68 6.3 4.8 7.2





#22

Acetophenone

Concen: 74.849 ng

RT: 7.269 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:105 Resp: 583306

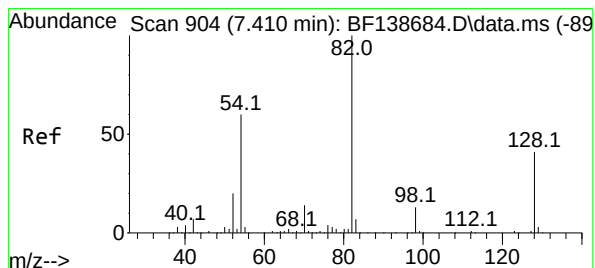
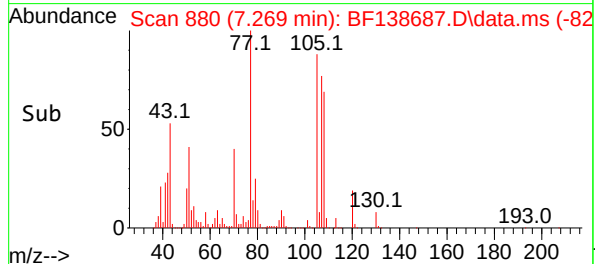
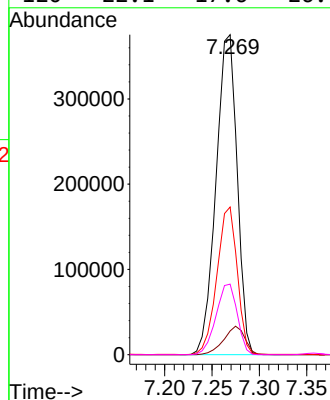
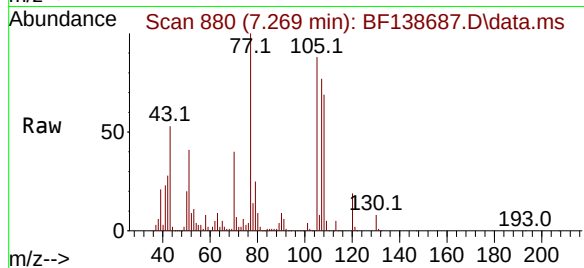
Ion Ratio Lower Upper

105 100

71 7.4 7.2 10.8

51 46.1 35.9 53.9

120 22.1 17.6 26.4



#23

Nitrobenzene-d5

Concen: 153.499 ng

RT: 7.422 min Scan# 906

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

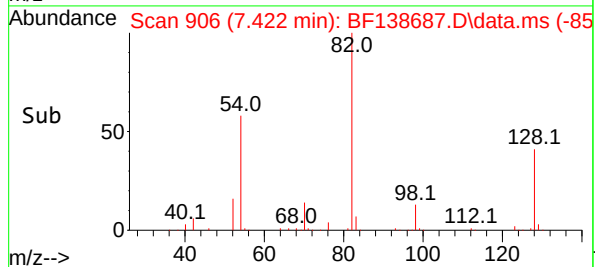
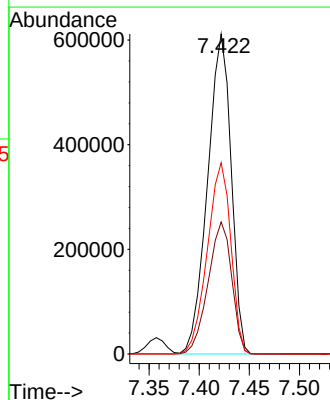
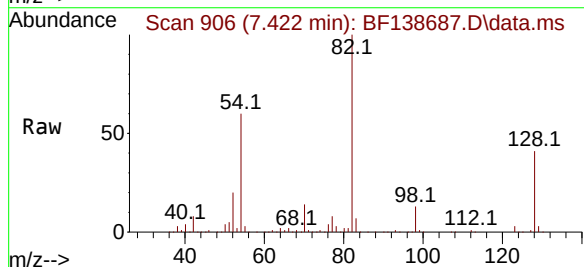
Tgt Ion: 82 Resp: 999276

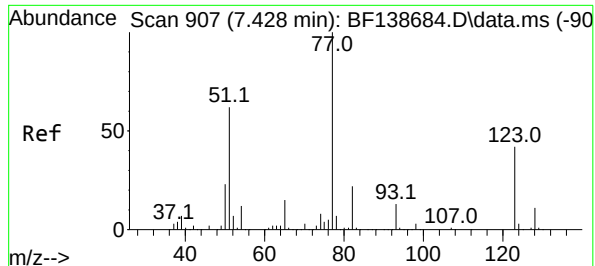
Ion Ratio Lower Upper

82 100

128 41.3 32.8 49.2

54 59.8 48.3 72.5





#24

Nitrobenzene

Concen: 77.019 ng

RT: 7.440 min Scan# 90

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

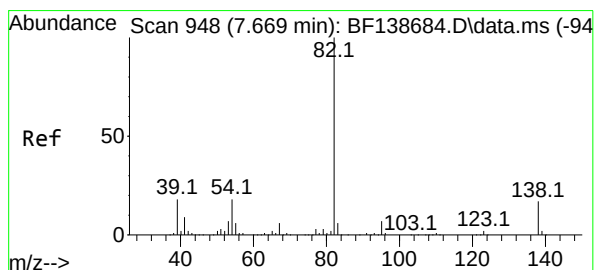
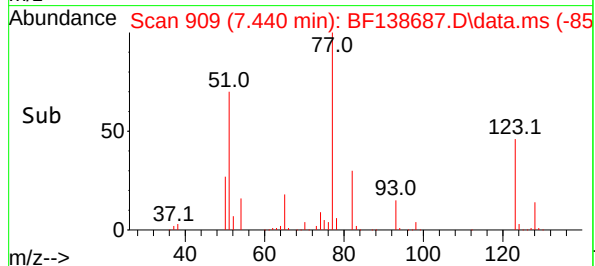
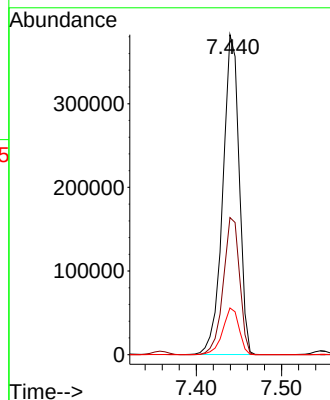
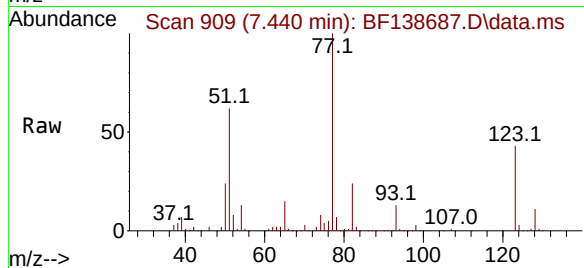
Tgt Ion: 77 Resp: 510201

Ion	Ratio	Lower	Upper
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77	100		
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123	42.8	33.3	49.9
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65	14.6	11.9	17.9
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#25

Isophorone

Concen: 77.580 ng

RT: 7.681 min Scan# 950

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

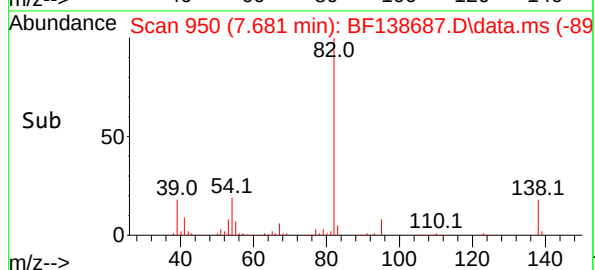
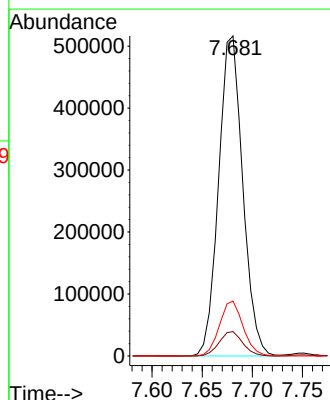
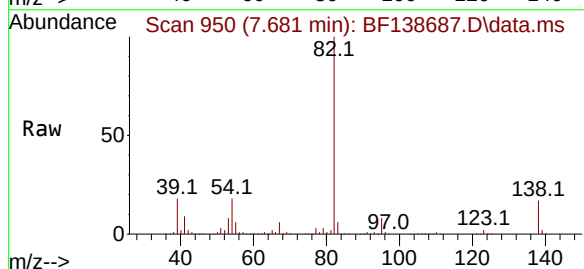
Tgt Ion: 82 Resp: 862380

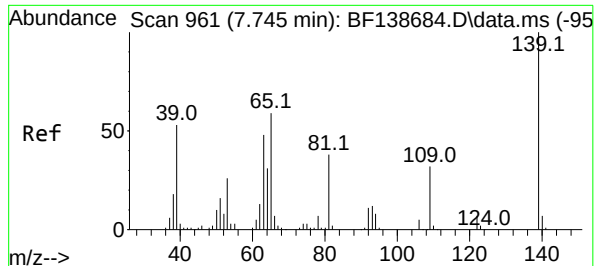
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

82	100		
----	-----	--	--

95	7.6	5.7	8.5
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138	17.2	13.7	20.5
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#26

2-Nitrophenol

Concen: 79.835 ng

RT: 7.751 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

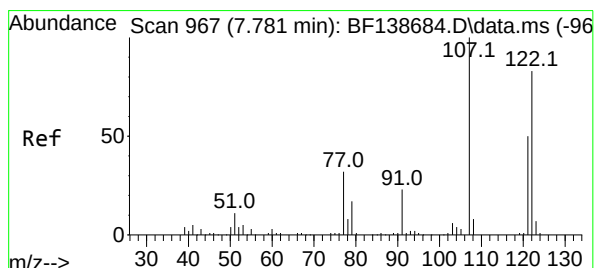
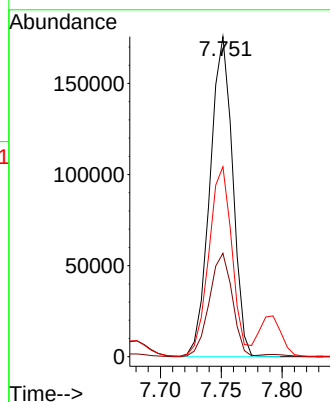
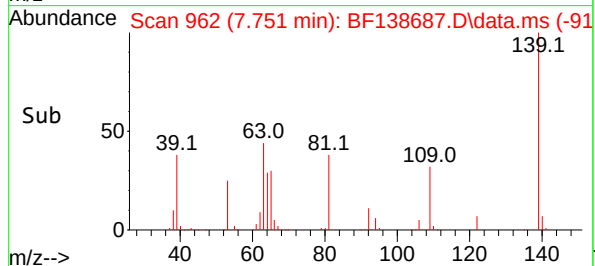
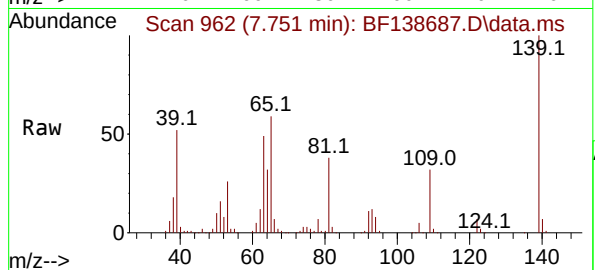
Tgt Ion:139 Resp: 227531

Ion Ratio Lower Upper

139 100

109 32.3 25.9 38.9

65 59.3 47.0 70.6



#27

2,4-Dimethylphenol

Concen: 77.265 ng

RT: 7.792 min Scan# 969

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

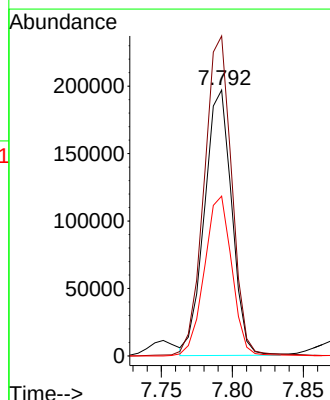
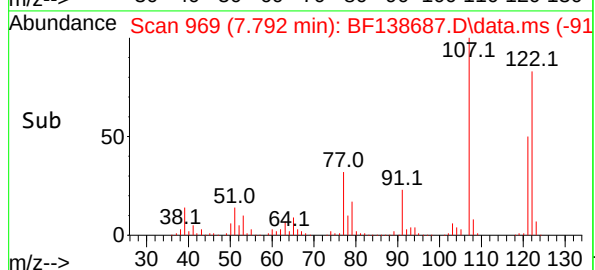
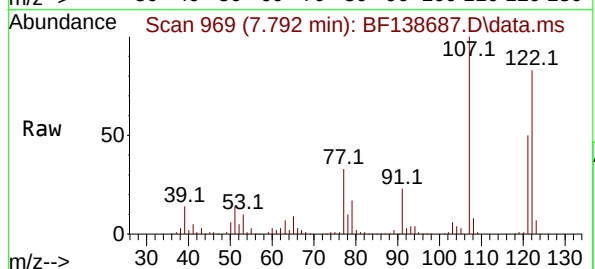
Tgt Ion:122 Resp: 263469

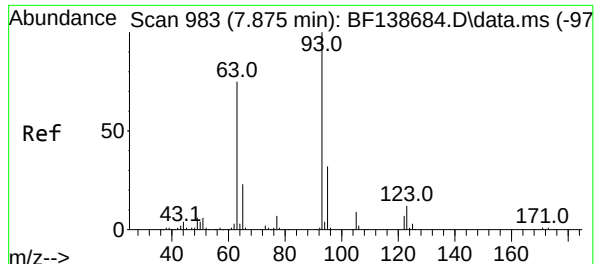
Ion Ratio Lower Upper

122 100

107 120.4 95.0 142.6

121 60.1 47.3 70.9





#28

bis(2-Chloroethoxy)methane

Concen: 77.190 ng

RT: 7.881 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

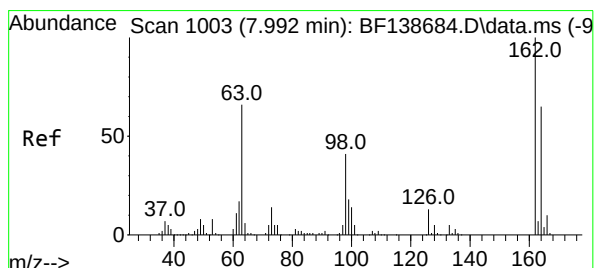
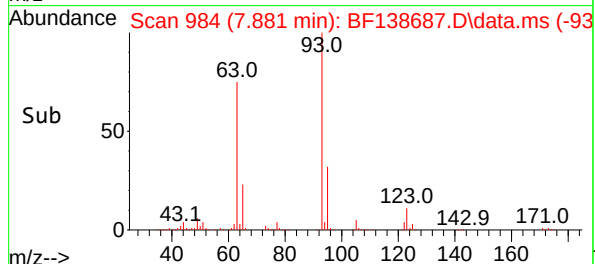
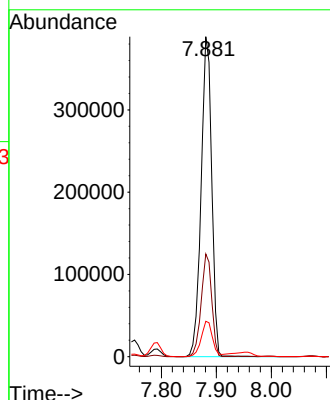
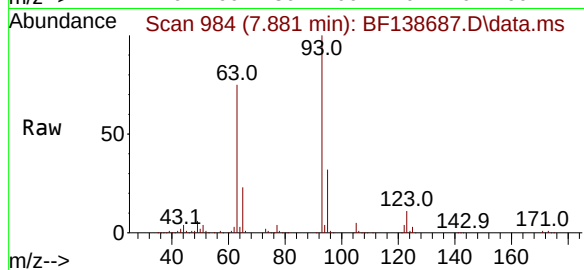
Tgt Ion: 93 Resp: 522528

Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

123 11.1 9.4 14.0



#29

2,4-Dichlorophenol

Concen: 76.805 ng

RT: 7.998 min Scan# 1004

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

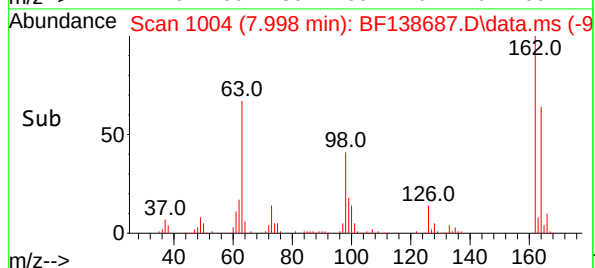
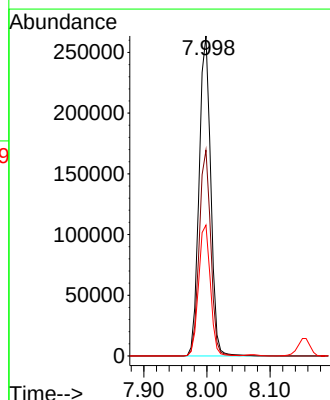
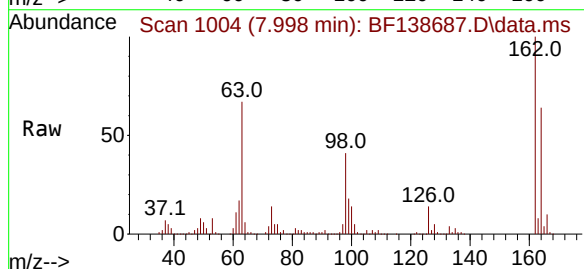
Tgt Ion: 162 Resp: 336540

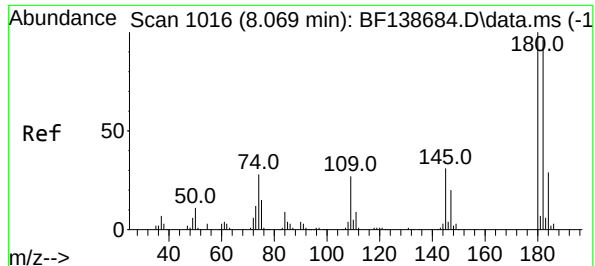
Ion Ratio Lower Upper

162 100

164 64.3 44.7 84.7

98 40.9 20.8 60.8





#30

1,2,4-Trichlorobenzene

Concen: 75.405 ng

RT: 8.075 min Scan# 1016

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

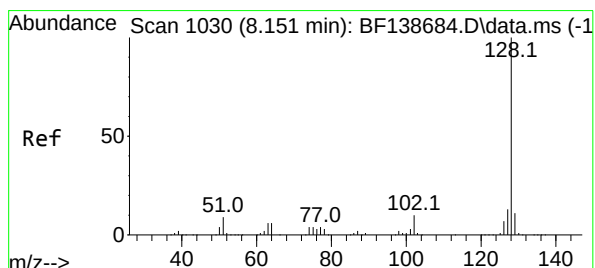
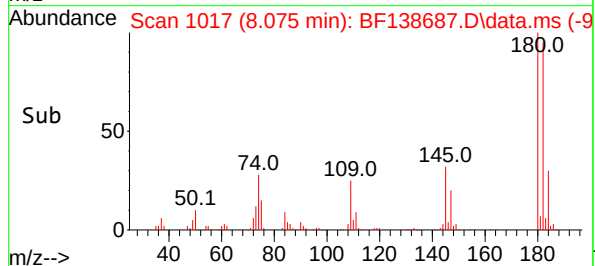
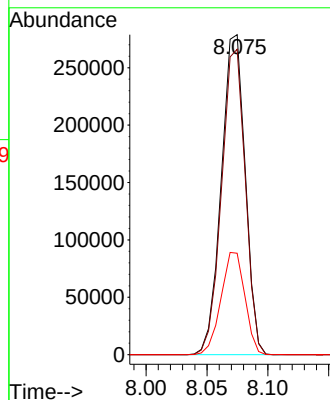
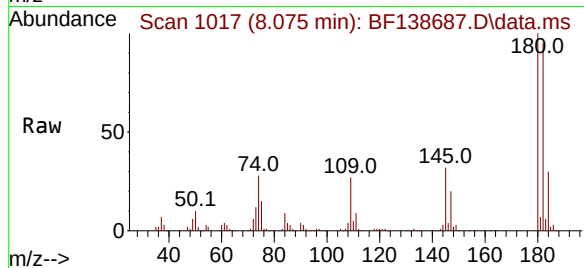
Tgt Ion:180 Resp: 381296

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 31.7 25.0 37.4



#31

Naphthalene

Concen: 74.139 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

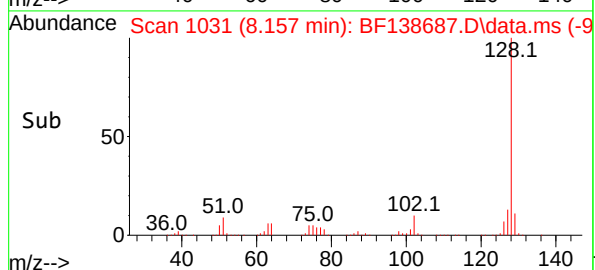
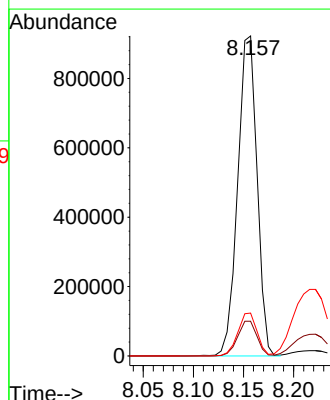
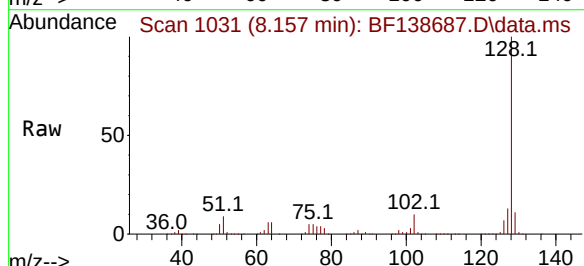
Tgt Ion:128 Resp: 1242069

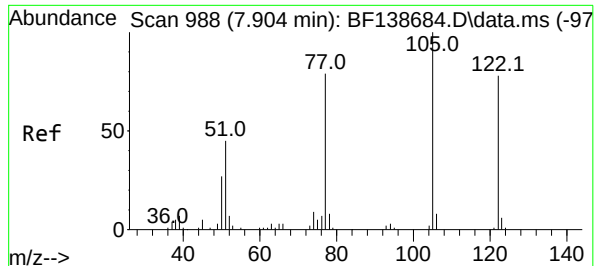
Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.4 10.6 16.0





#32

Benzoic acid

Concen: 92.209 ng

RT: 7.957 min Scan# 91

Delta R.T. 0.053 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

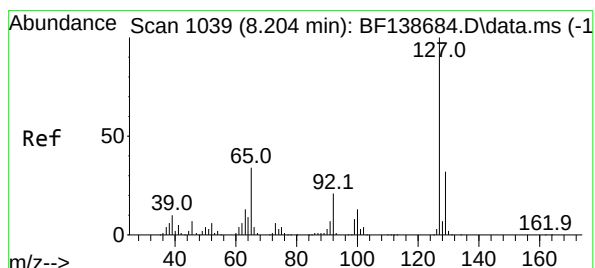
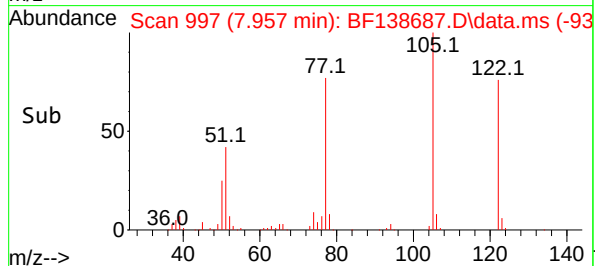
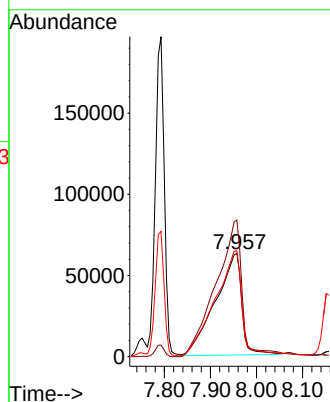
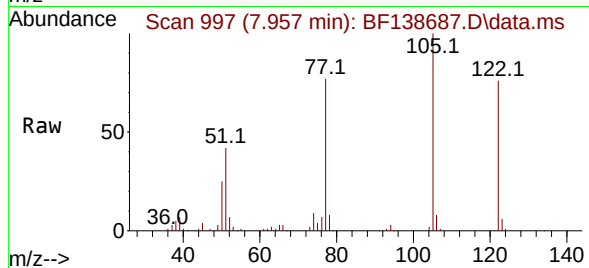
Tgt Ion:122 Resp: 247058

Ion Ratio Lower Upper

122 100

105 132.3 106.7 146.7

77 102.5 81.1 121.1



#33

4-Chloroaniline

Concen: 78.849 ng

RT: 8.216 min Scan# 1041

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Tgt Ion:127 Resp: 443424

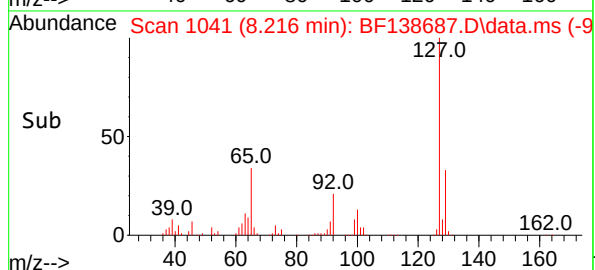
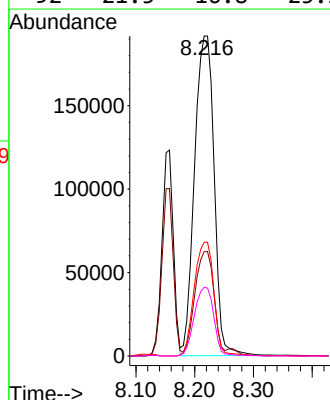
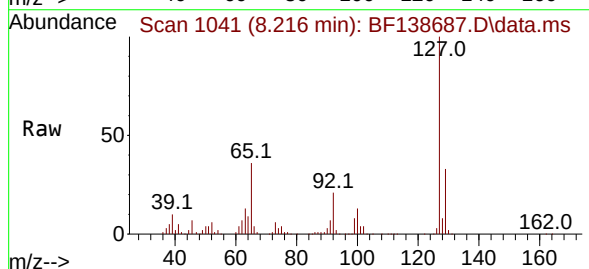
Ion Ratio Lower Upper

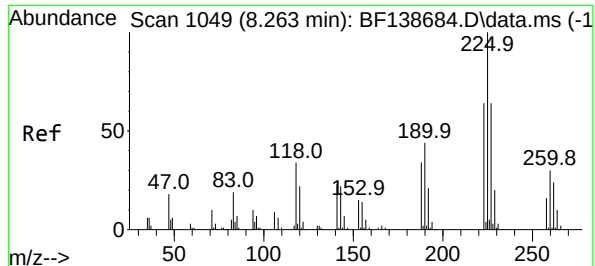
127 100

129 32.6 25.9 38.9

65 35.6 27.6 41.4

92 21.5 16.8 25.2





#34

Hexachlorobutadiene

Concen: 75.351 ng

RT: 8.263 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

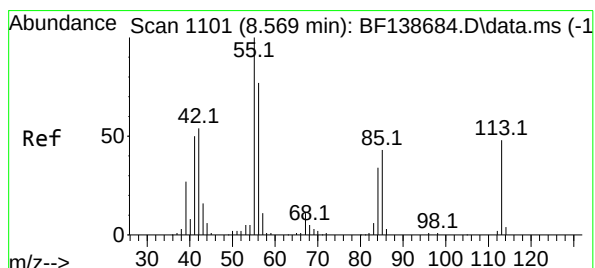
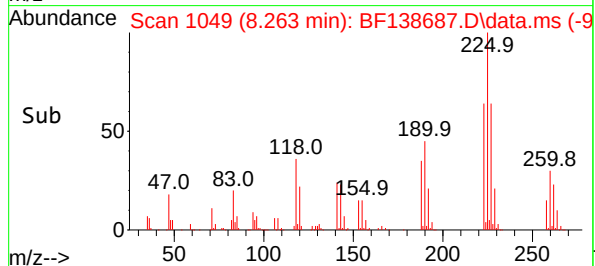
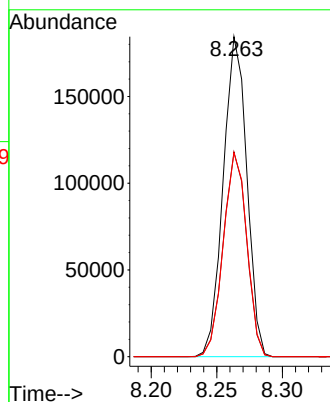
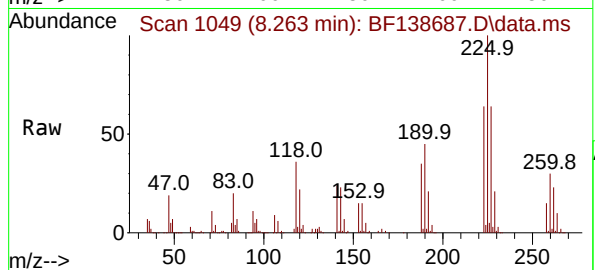
Tgt Ion:225 Resp: 230783

Ion Ratio Lower Upper

225 100

223 64.0 51.2 76.8

227 63.7 51.1 76.7



#35

Caprolactam

Concen: 82.539 ng

RT: 8.604 min Scan# 1107

Delta R.T. 0.035 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

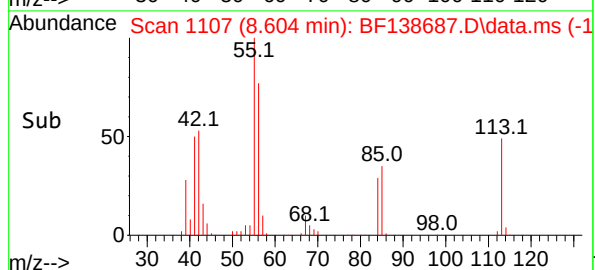
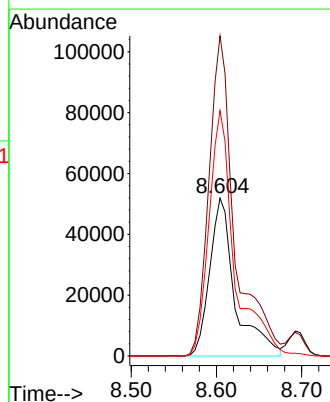
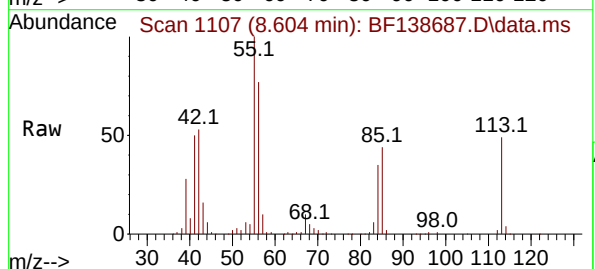
Tgt Ion:113 Resp: 107916

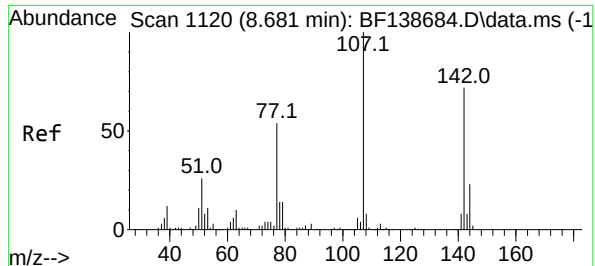
Ion Ratio Lower Upper

113 100

55 202.9 186.7 226.7

56 155.5 138.9 178.9





#36

4-Chloro-3-methylphenol

Concen: 77.158 ng

RT: 8.692 min Scan# 1120

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

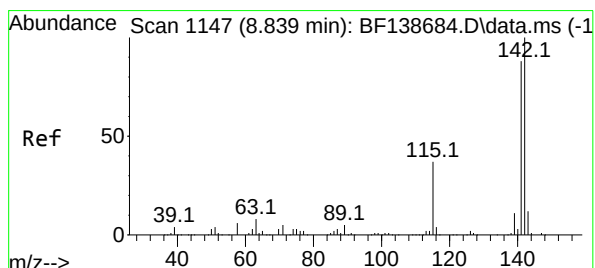
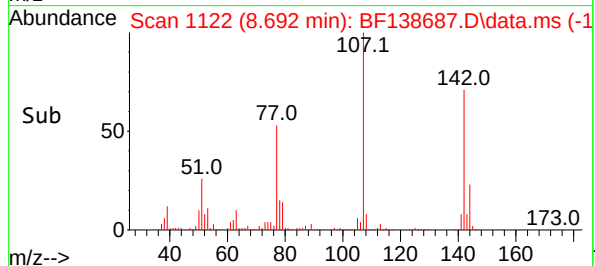
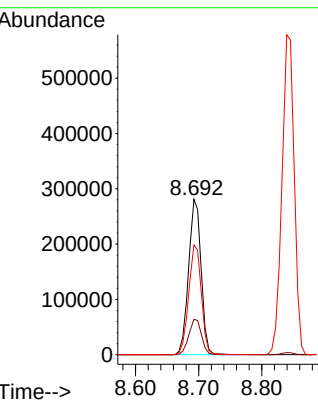
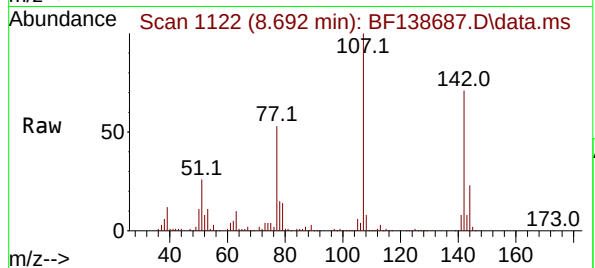
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 386382

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.2	27.2
142	70.7	57.4	86.2



#37

2-Methylnaphthalene

Concen: 73.988 ng

RT: 8.839 min Scan# 1147

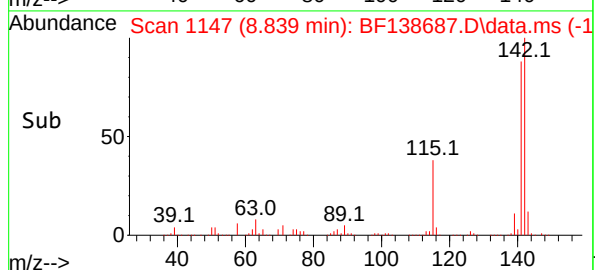
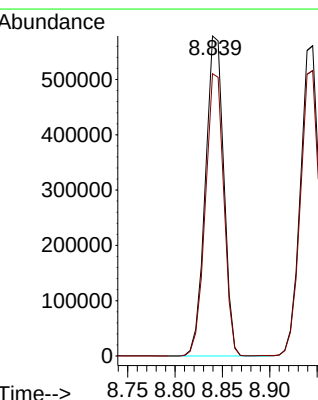
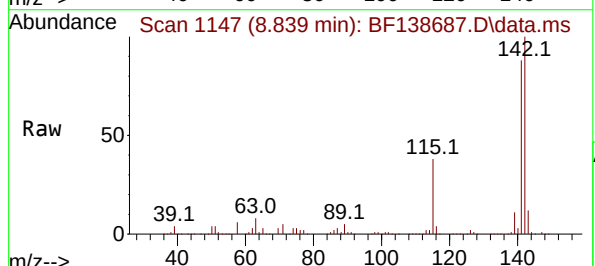
Delta R.T. 0.000 min

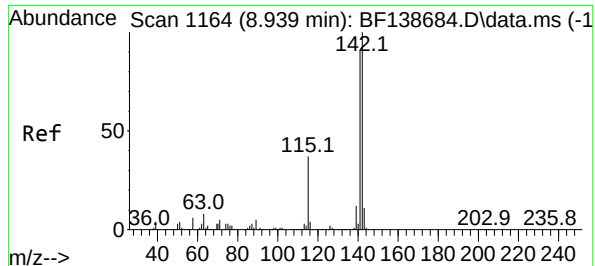
Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Tgt Ion:142 Resp: 782843

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2

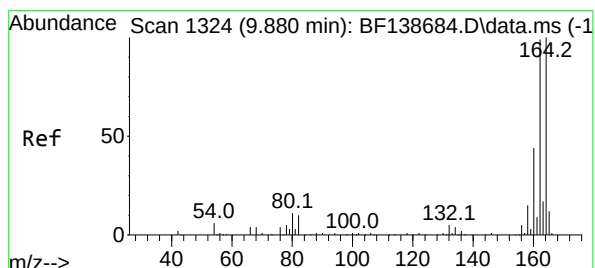
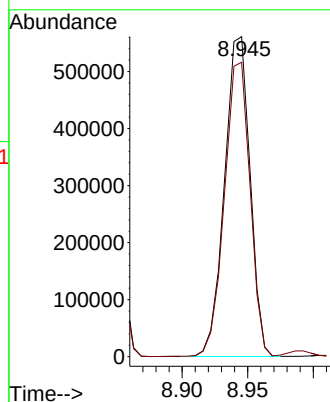
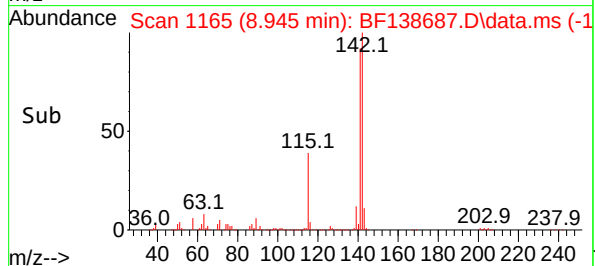
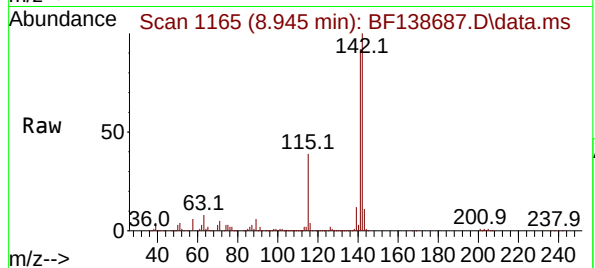




#38
1-Methylnaphthalene
Concen: 73.328 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

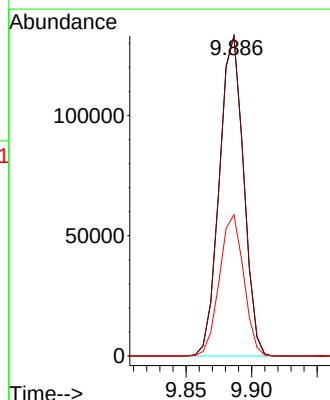
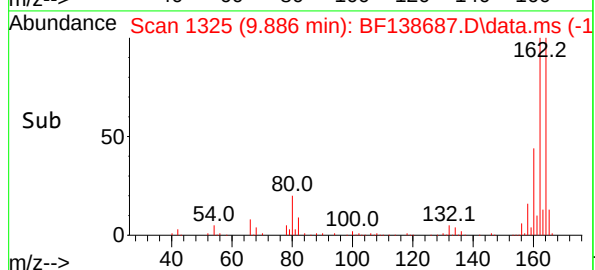
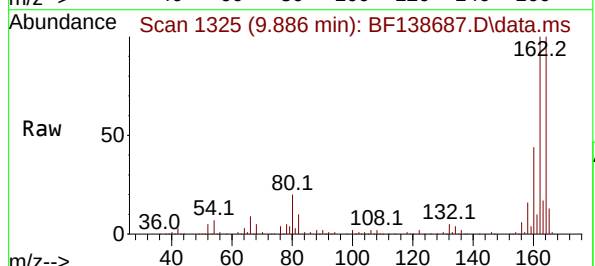
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

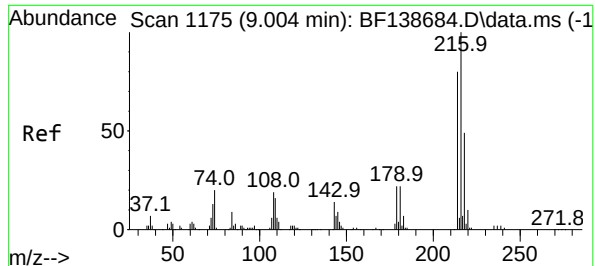
Tgt Ion:142 Resp: 760272
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:164 Resp: 170513
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.2 35.1 52.7





#40

1,2,4,5-Tetrachlorobenzene

Concen: 74.196 ng

RT: 9.010 min Scan# 1175

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:216 Resp: 351438

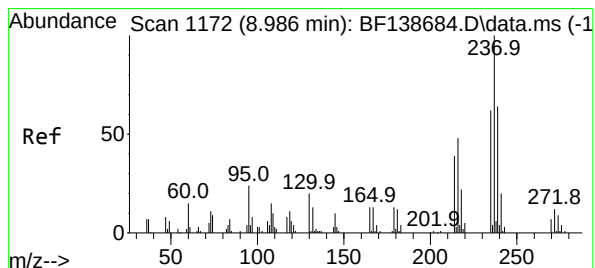
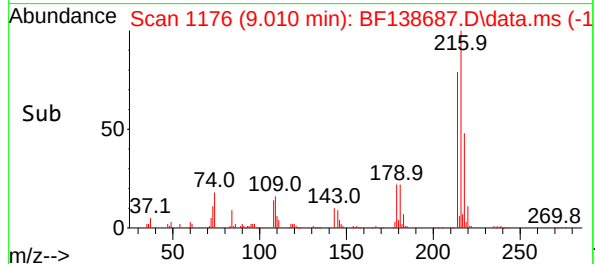
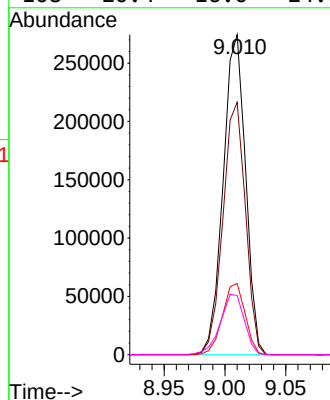
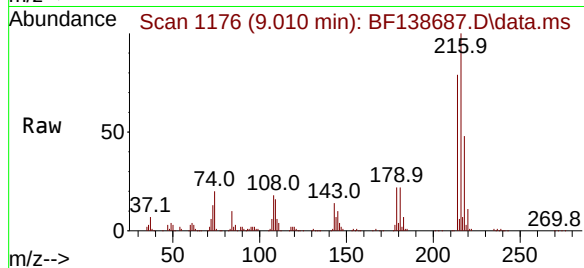
Ion Ratio Lower Upper

216 100

214 79.1 63.9 95.9

179 22.5 17.8 26.6

108 20.4 16.0 24.0



#41

Hexachlorocyclopentadiene

Concen: 79.729 ng

RT: 8.992 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

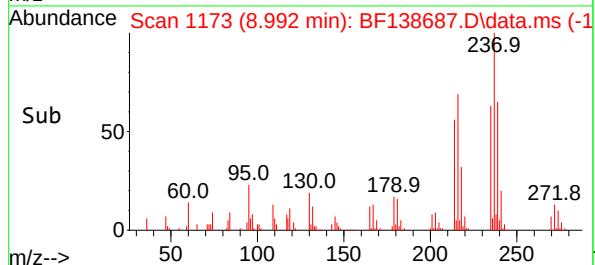
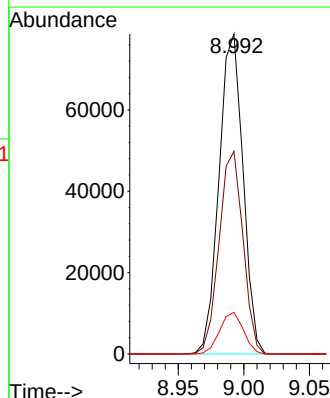
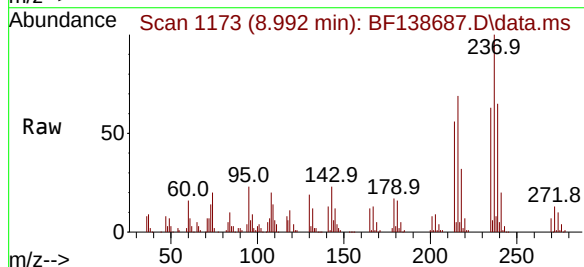
Tgt Ion:237 Resp: 99926

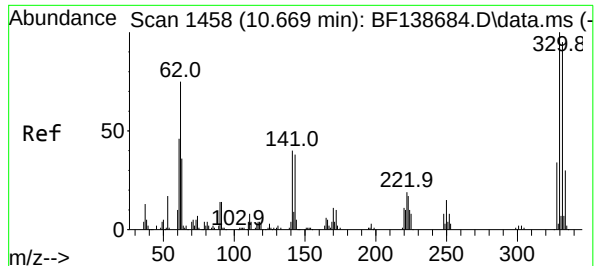
Ion Ratio Lower Upper

237 100

235 63.3 41.8 81.8

272 13.0 0.0 32.2





#42

2,4,6-Tribromophenol

Concen: 154.157 ng

RT: 10.681 min Scan# 1458

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

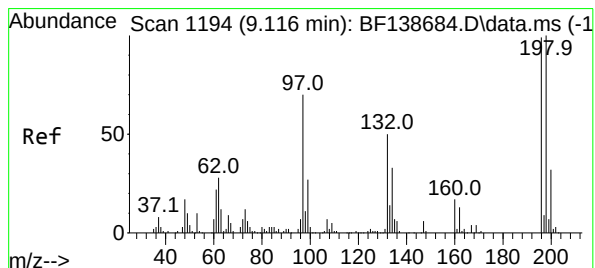
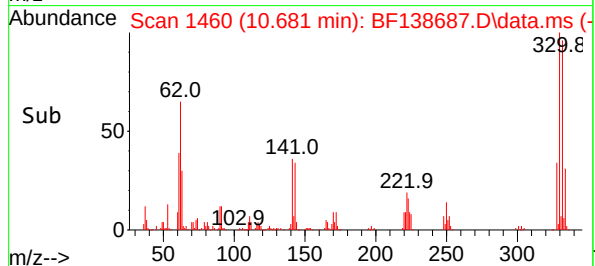
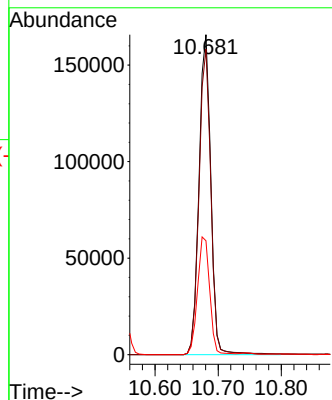
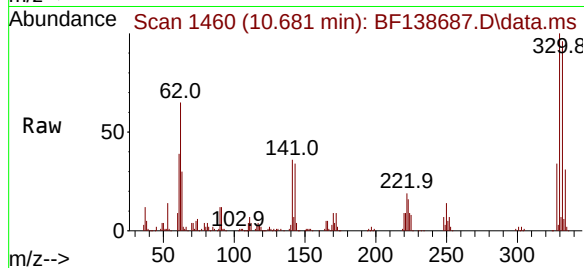
Tgt Ion:330 Resp: 215316

Ion Ratio Lower Upper

330 100

332 95.3 76.4 114.6

141 37.9 31.1 46.7



#43

2,4,6-Trichlorophenol

Concen: 78.913 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

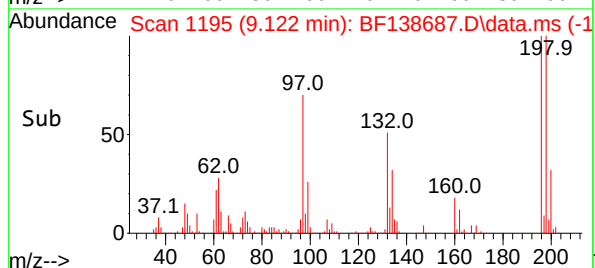
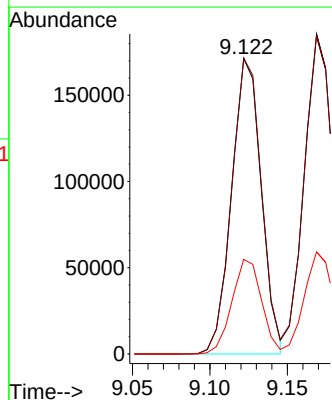
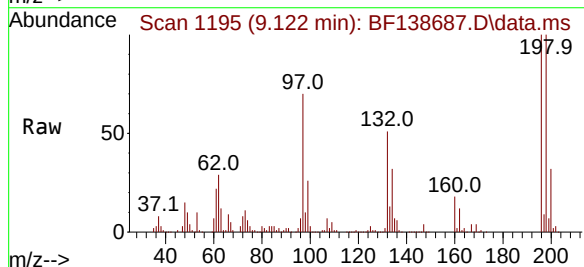
Tgt Ion:196 Resp: 227901

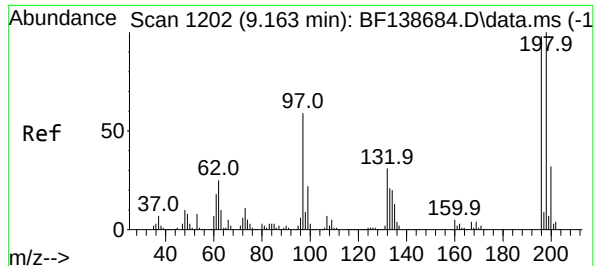
Ion Ratio Lower Upper

196 100

198 100.2 80.5 120.7

200 32.0 25.9 38.9





#44

2,4,5-Trichlorophenol

Concen: 77.822 ng

RT: 9.169 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 245697

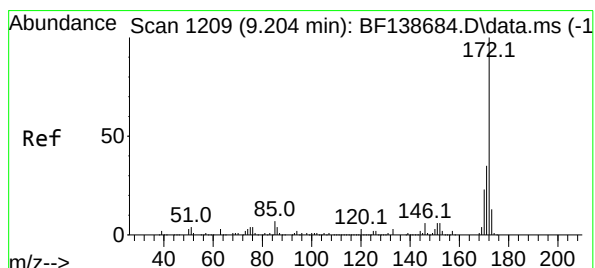
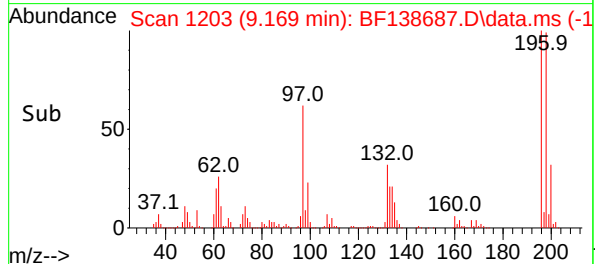
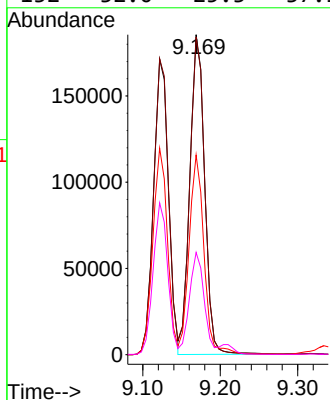
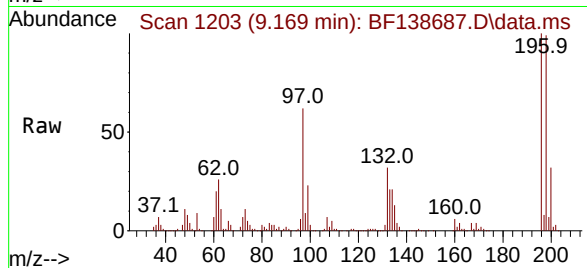
Ion Ratio Lower Upper

196 100

198 99.3 81.2 121.8

97 62.4 47.8 71.6

132 32.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 140.843 ng

RT: 9.210 min Scan# 1210

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

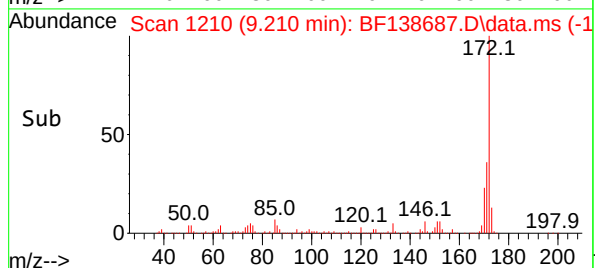
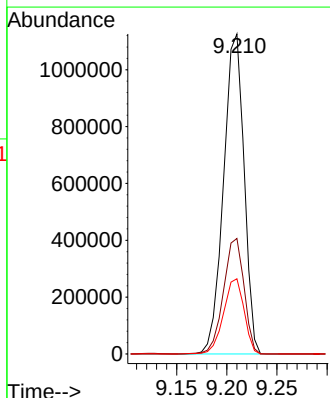
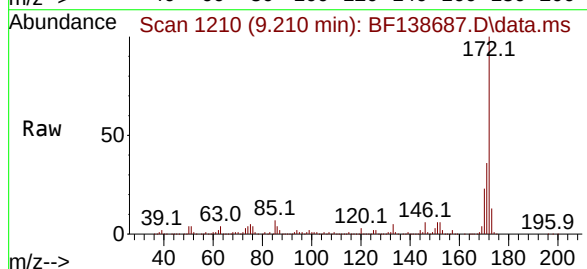
Tgt Ion:172 Resp: 1598378

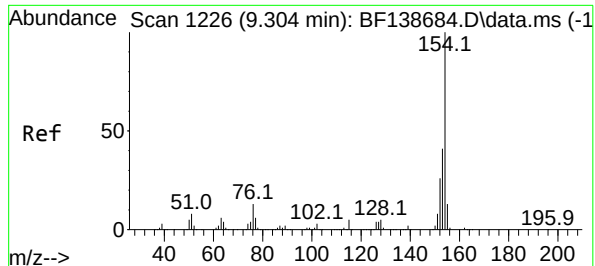
Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.5 18.8 28.2





#46

1,1'-Biphenyl

Concen: 73.651 ng

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

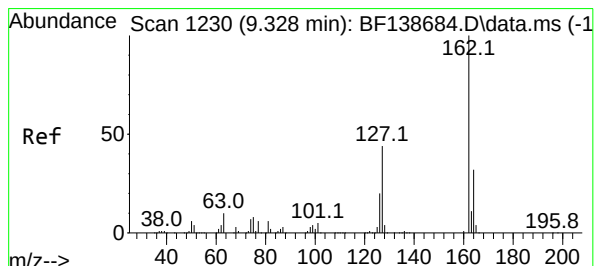
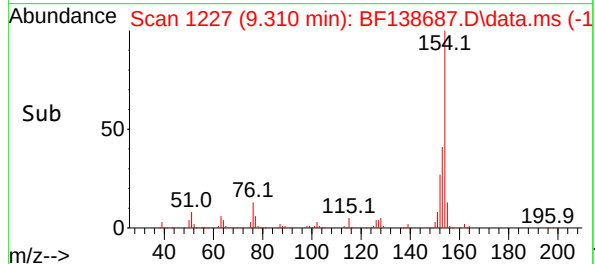
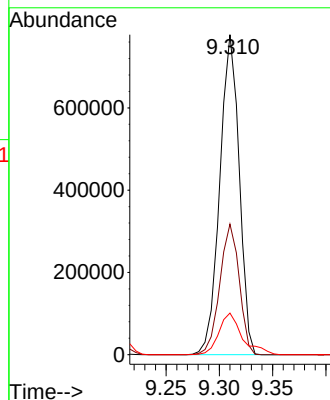
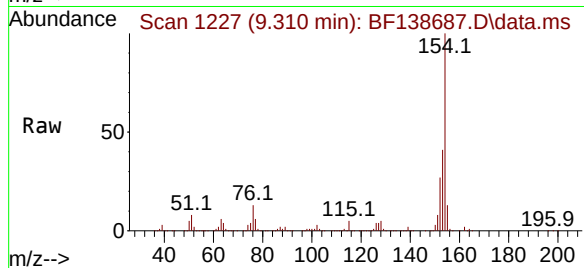
Tgt Ion:154 Resp: 983564

Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

76 13.0 0.0 32.8



#47

2-Chloronaphthalene

Concen: 74.793 ng

RT: 9.334 min Scan# 1231

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

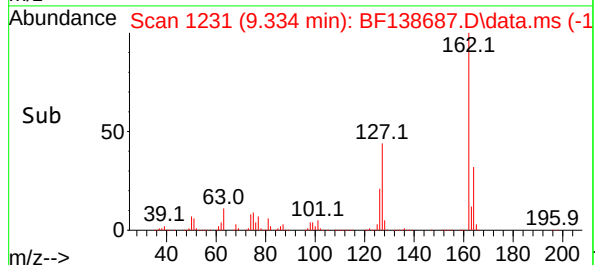
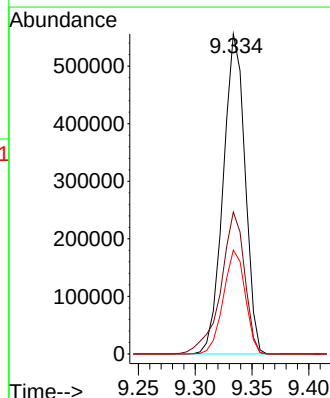
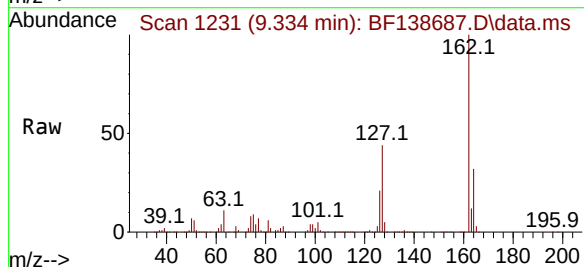
Tgt Ion:162 Resp: 742852

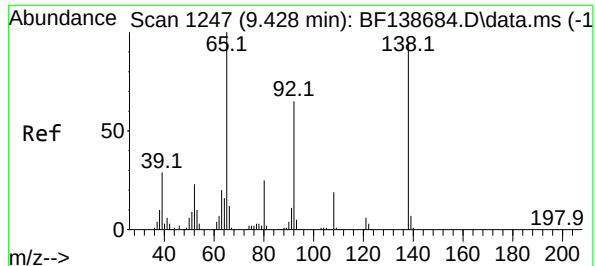
Ion Ratio Lower Upper

162 100

127 44.4 35.4 53.2

164 32.4 25.6 38.4

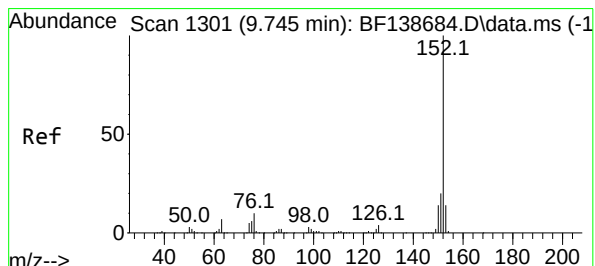
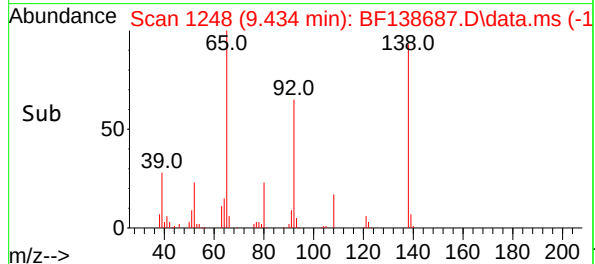
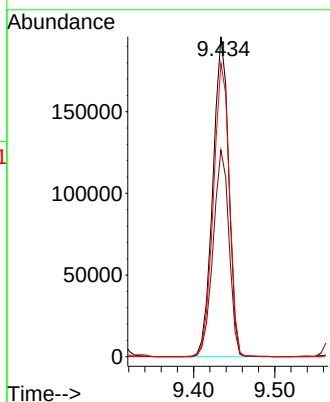
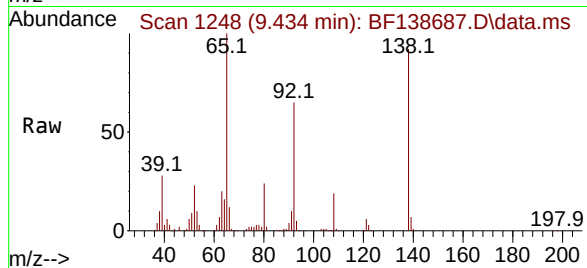




#48
2-Nitroaniline
Concen: 79.066 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

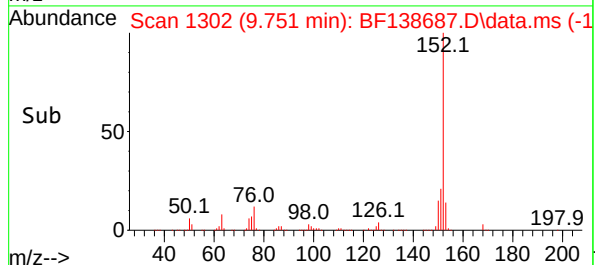
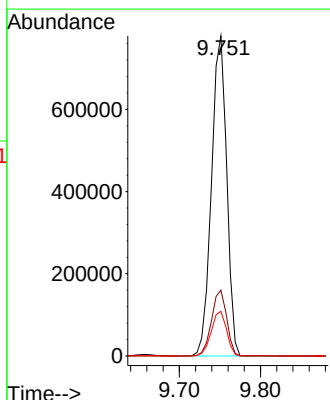
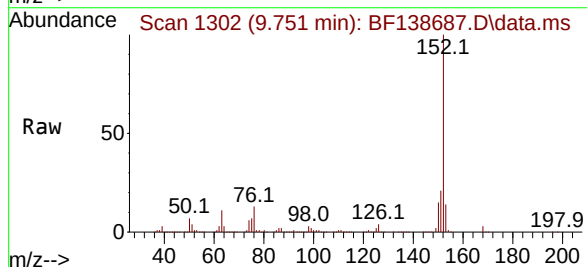
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

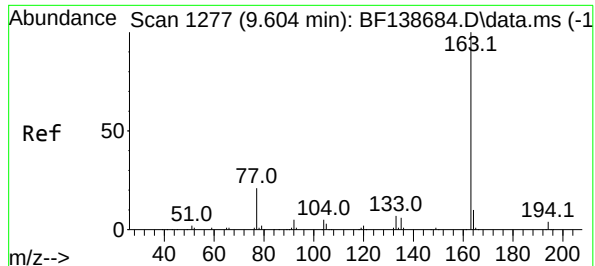
Tgt Ion: 65 Resp: 266220
Ion Ratio Lower Upper
65 100
92 64.6 52.0 78.0
138 91.7 76.2 114.4



#49
Acenaphthylene
Concen: 71.944 ng
RT: 9.751 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 152 Resp: 1013441
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 14.0 11.0 16.4





#50

Dimethylphthalate

Concen: 77.379 ng

RT: 9.616 min Scan# 1279

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

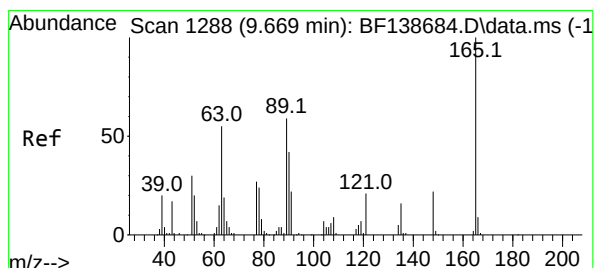
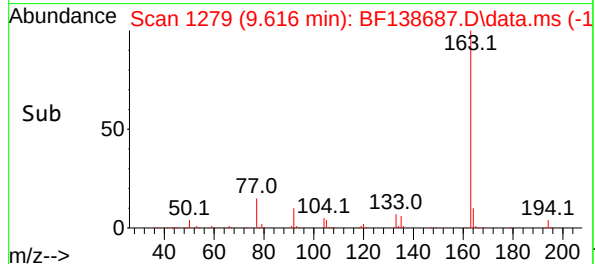
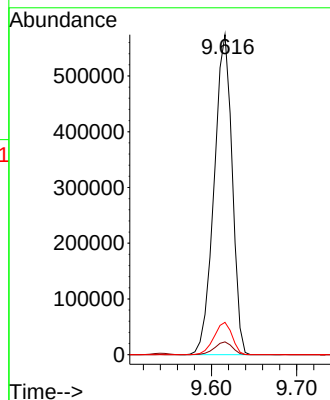
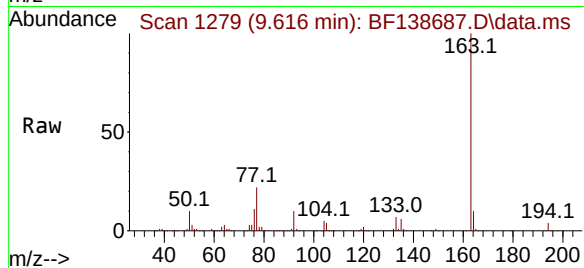
Tgt Ion:163 Resp: 843645

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.1 7.8 11.8



#51

2,6-Dinitrotoluene

Concen: 76.868 ng

RT: 9.681 min Scan# 1290

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

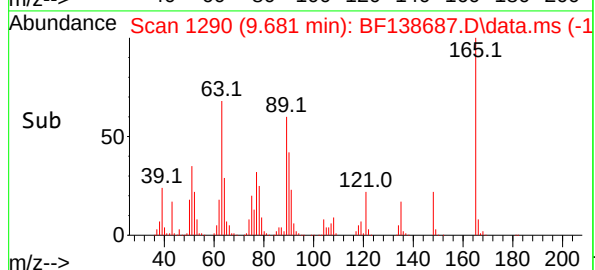
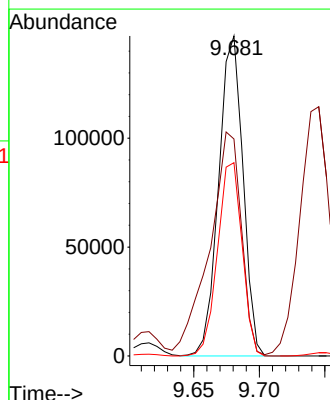
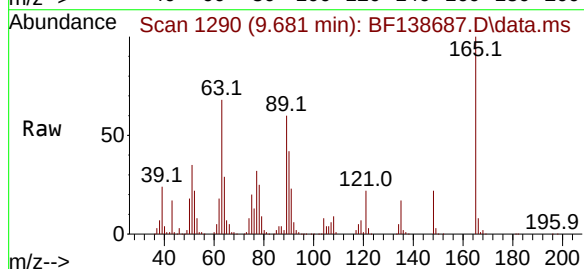
Tgt Ion:165 Resp: 189138

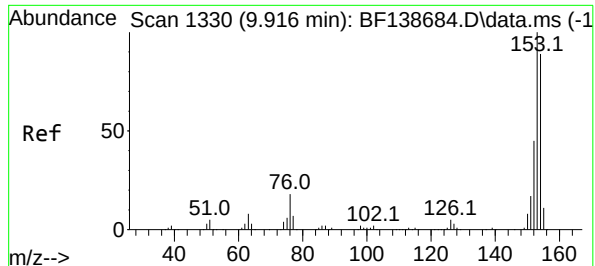
Ion Ratio Lower Upper

165 100

63 67.8 52.0 78.0

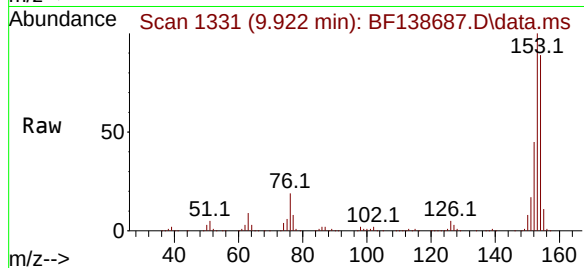
89 60.4 47.0 70.6



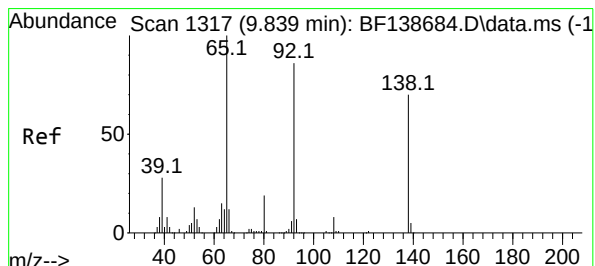
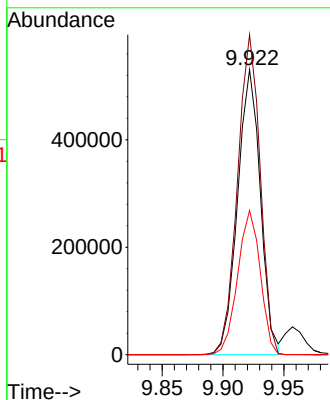
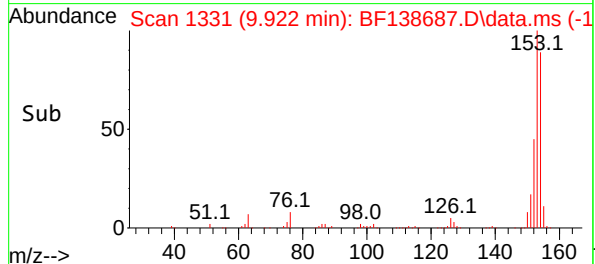


#52
Acenaphthene
Concen: 73.198 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

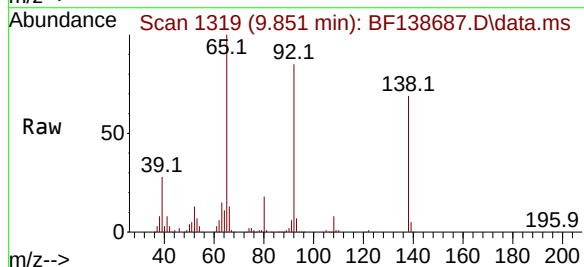
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



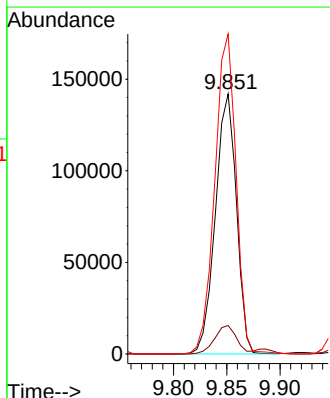
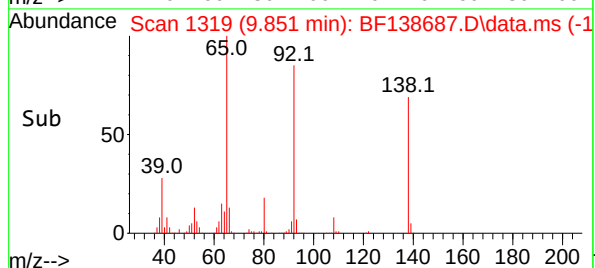
Tgt Ion:154 Resp: 693130
Ion Ratio Lower Upper
154 100
153 112.3 89.9 134.9
152 50.6 40.6 60.8

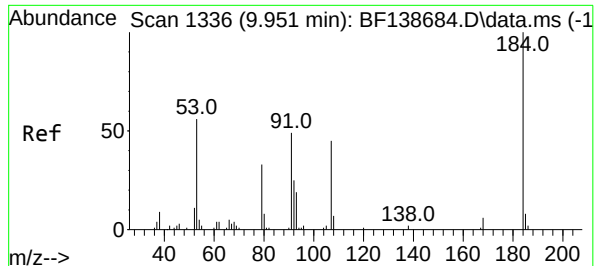


#53
3-Nitroaniline
Concen: 76.581 ng
RT: 9.851 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29



Tgt Ion:138 Resp: 194796
Ion Ratio Lower Upper
138 100
108 11.0 9.1 13.7
92 123.1 98.7 148.1





#54

2,4-Dinitrophenol

Concen: 88.986 ng

RT: 9.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

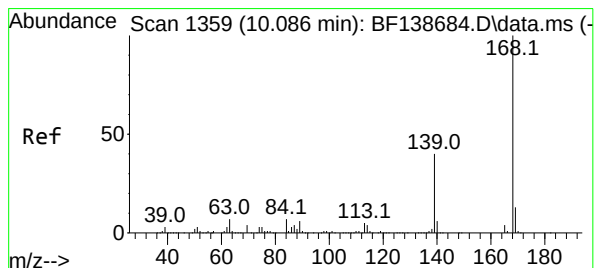
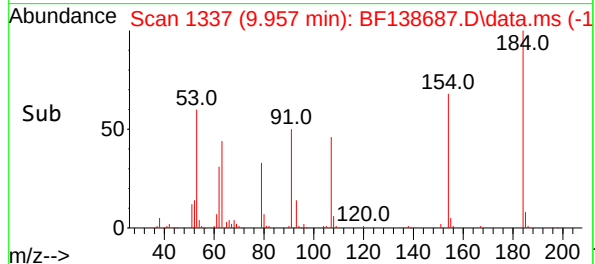
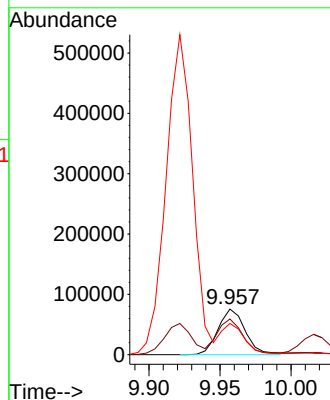
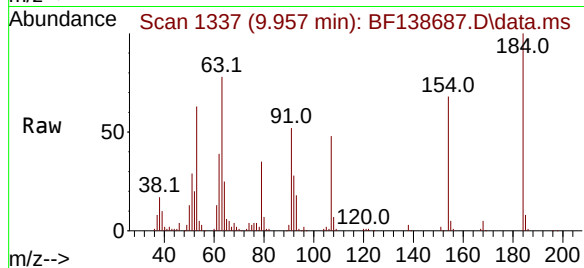
Tgt Ion:184 Resp: 100793

Ion Ratio Lower Upper

184 100

63 78.3 57.5 86.3

154 68.5 51.7 77.5



#55

Dibenzofuran

Concen: 72.071 ng

RT: 10.092 min Scan# 1360

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

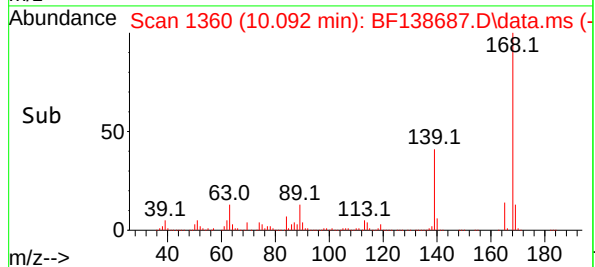
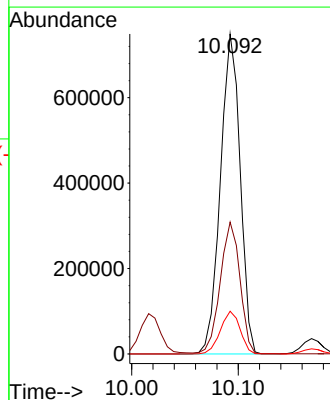
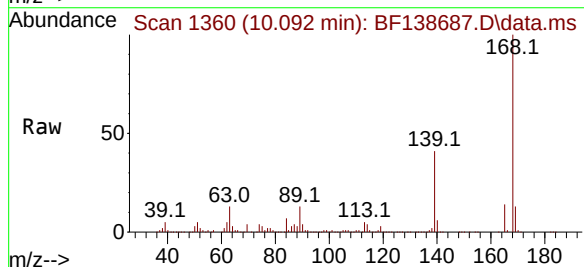
Tgt Ion:168 Resp: 963359

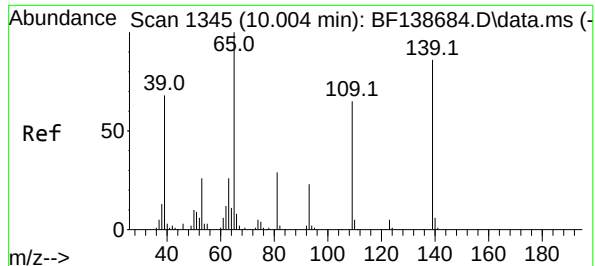
Ion Ratio Lower Upper

168 100

139 41.2 32.6 49.0

169 13.4 10.7 16.1

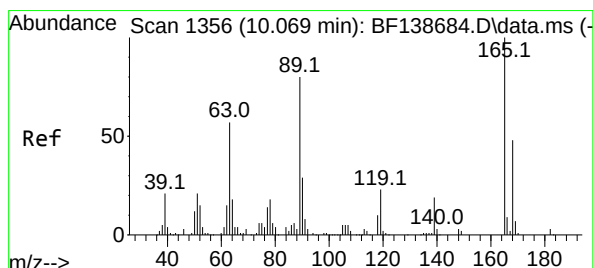
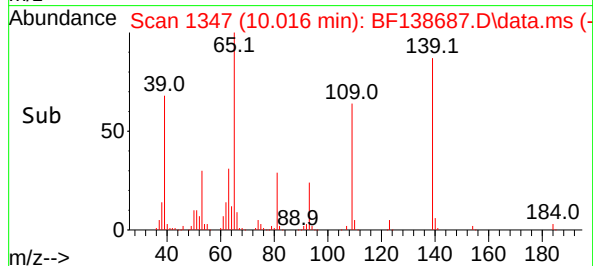
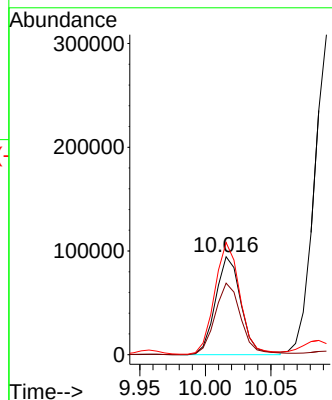
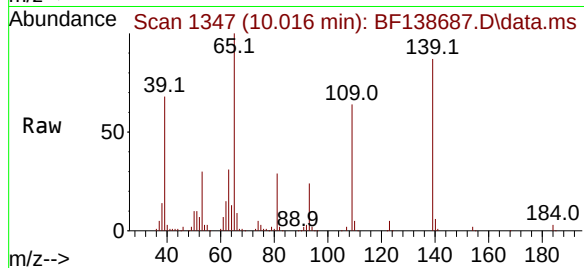




#56
4-Nitrophenol
Concen: 83.411 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

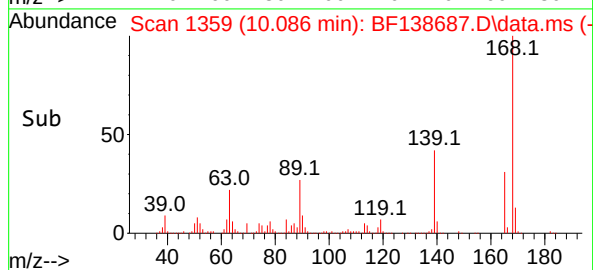
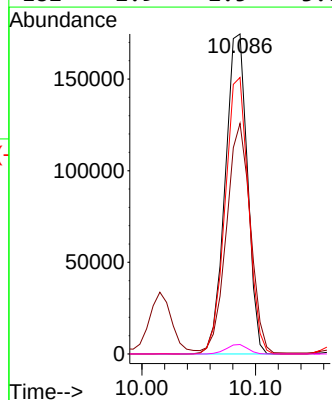
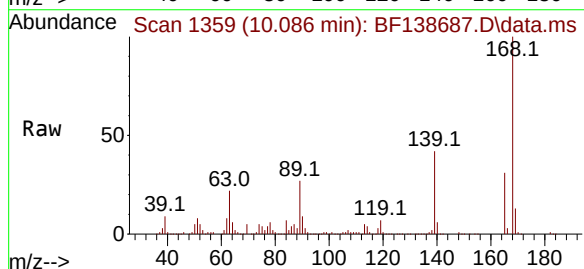
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

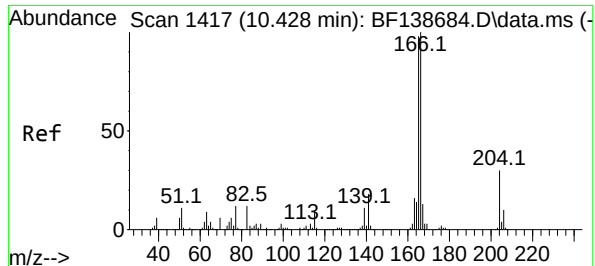
Tgt Ion:139 Resp: 127589
Ion Ratio Lower Upper
139 100
109 73.1 55.5 95.5
65 114.7 96.7 136.7



#57
2,4-Dinitrotoluene
Concen: 75.642 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:165 Resp: 237463
Ion Ratio Lower Upper
165 100
63 72.1 46.3 69.5#
89 86.4 64.2 96.4
182 2.9 2.5 3.7

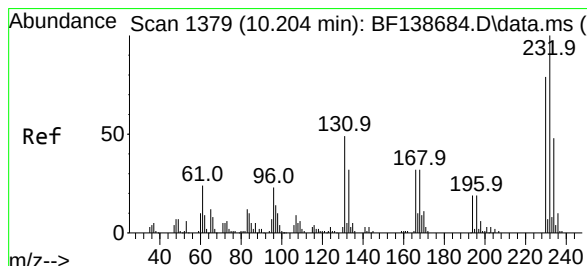
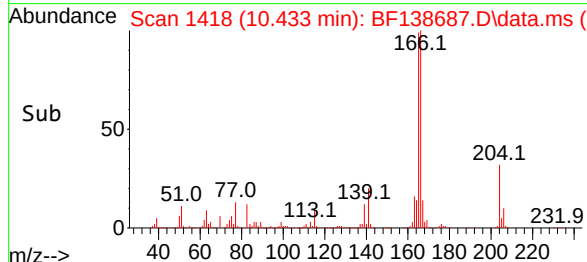
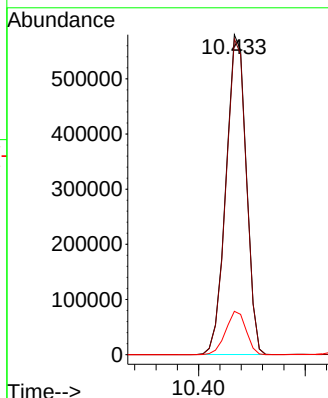
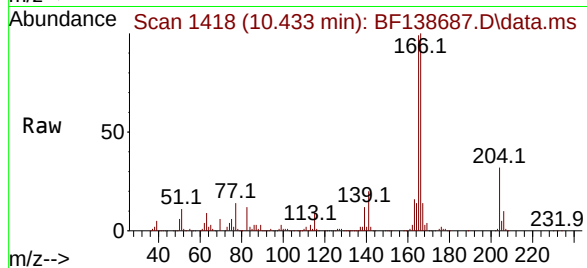




#58
Fluorene
Concen: 72.188 ng
RT: 10.433 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

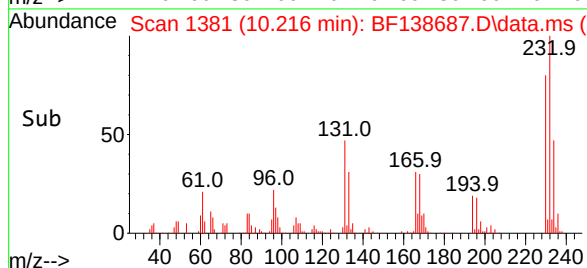
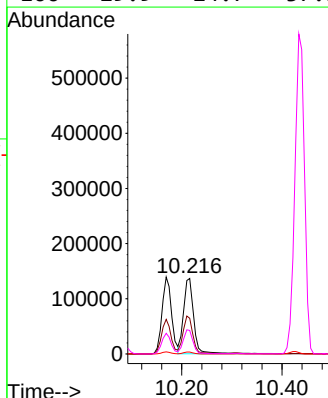
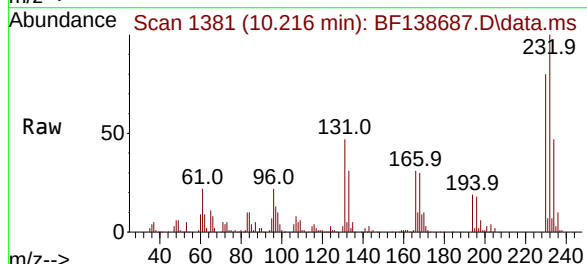
Instrument :
BNA_F
ClientSampleId :
SSTDIC080

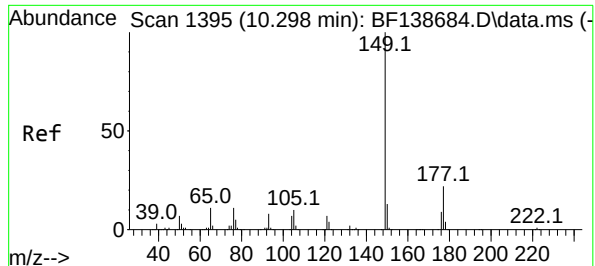
Tgt Ion:166 Resp: 768404
Ion Ratio Lower Upper
166 100
165 98.7 78.4 117.6
167 13.6 10.6 16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 79.721 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:232 Resp: 192425
Ion Ratio Lower Upper
232 100
131 48.4 37.0 55.4
130 2.5 2.0 3.0
166 29.9 24.7 37.1

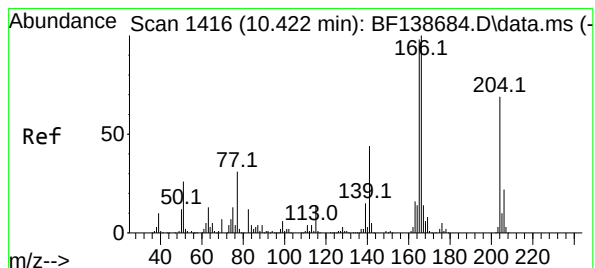
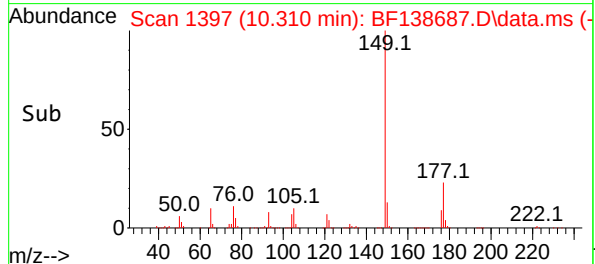
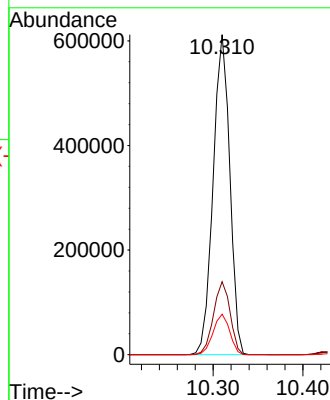
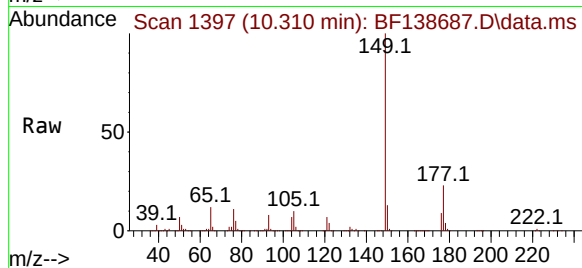




#60
Diethylphthalate
Concen: 76.270 ng
RT: 10.310 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

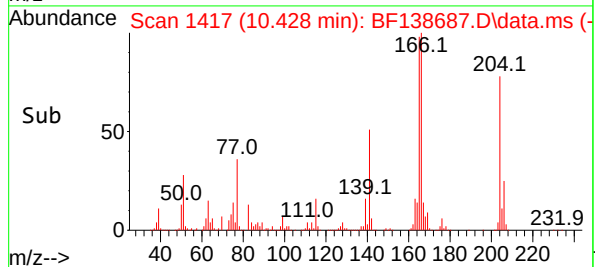
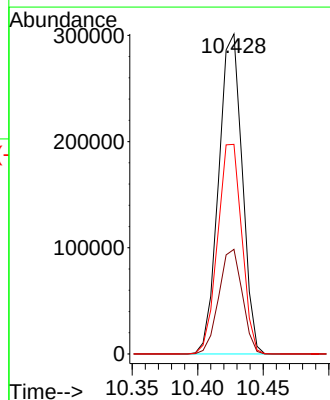
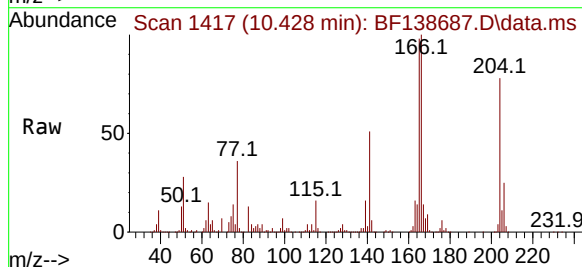
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

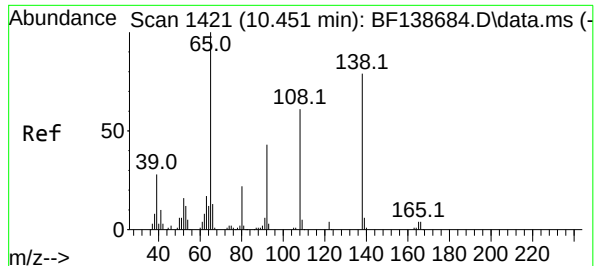
Tgt Ion:149 Resp: 788464
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.8
150 12.7 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 71.847 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:204 Resp: 376130
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 65.5 51.4 77.0

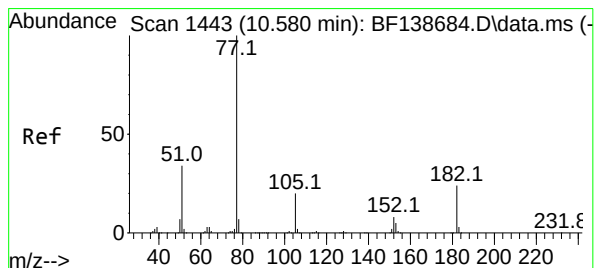
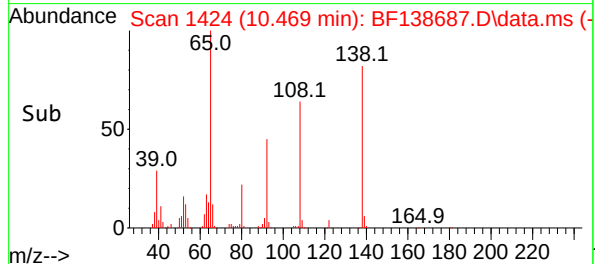
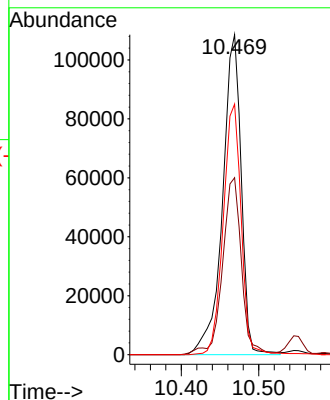
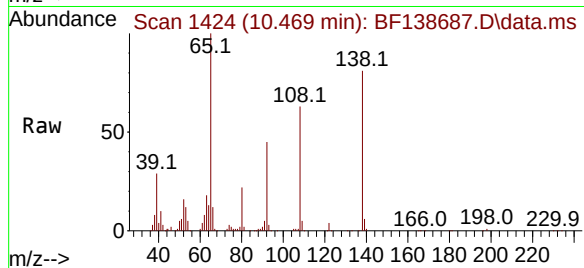




#62
4-Nitroaniline
Concen: 75.227 ng
RT: 10.469 min Scan# 1421
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

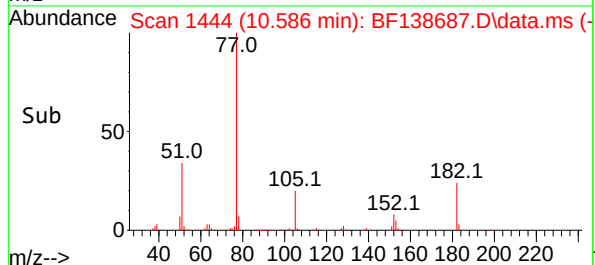
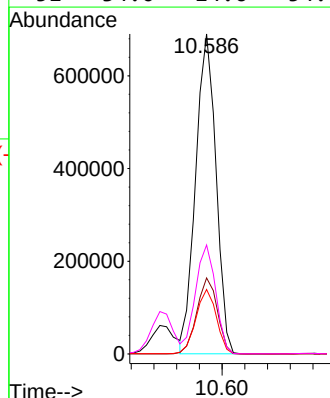
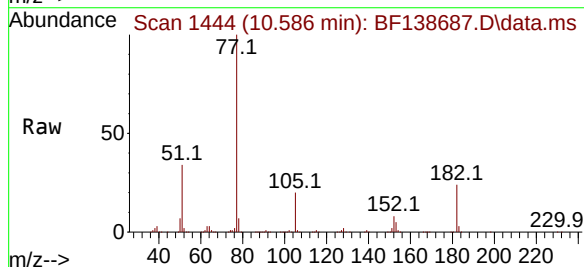
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

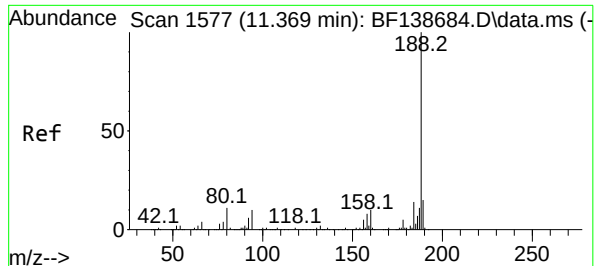
Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.3	34.2	74.2
108	78.3	56.2	96.2



#63
Azobenzene
Concen: 74.806 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.8	3.4	43.4
105	20.1	0.2	40.2
51	34.0	14.6	54.6

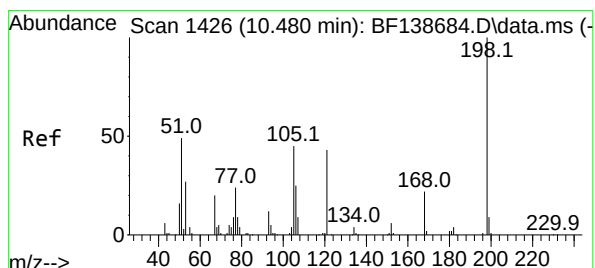
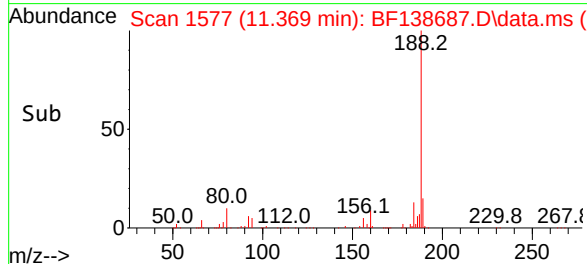
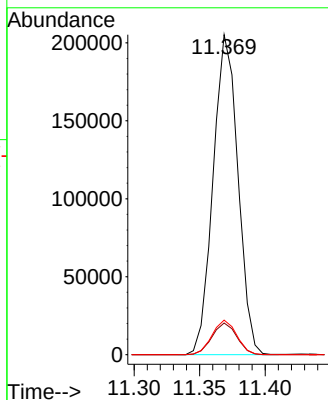
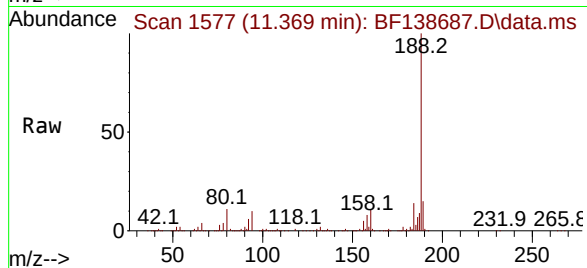




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

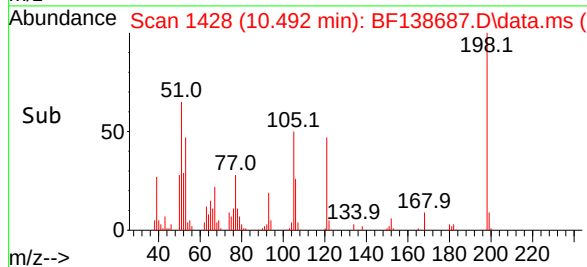
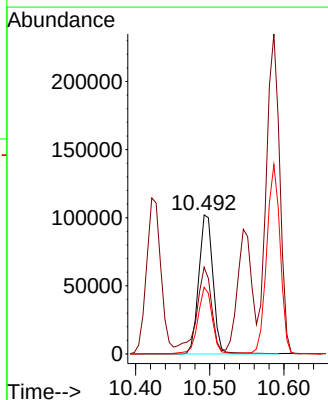
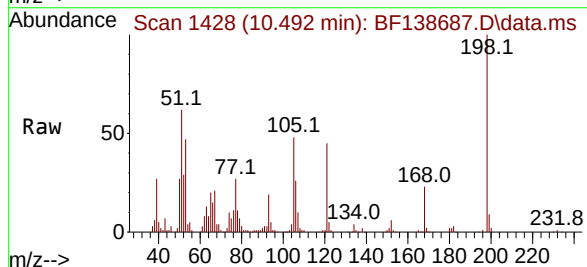
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

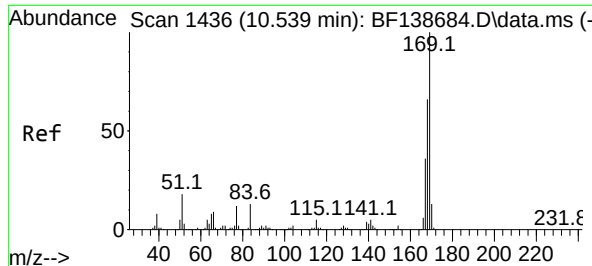
Tgt Ion:188 Resp: 270140
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 10.8 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 83.368 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:198 Resp: 137397
Ion Ratio Lower Upper
198 100
51 62.4 39.9 79.9
105 48.0 26.1 66.1

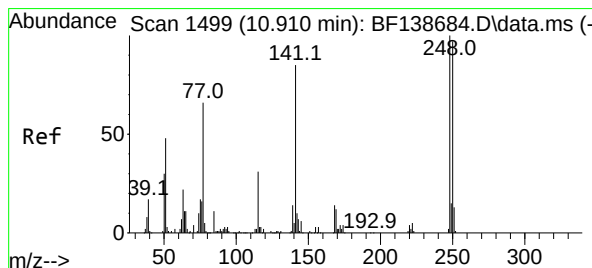
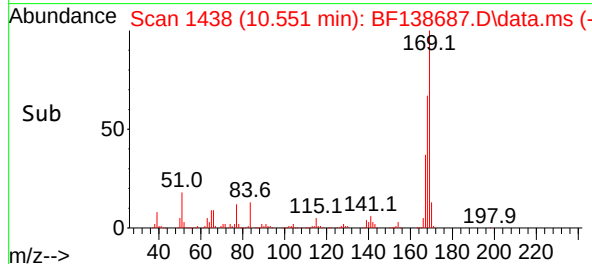
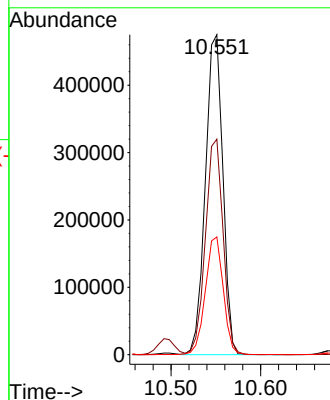
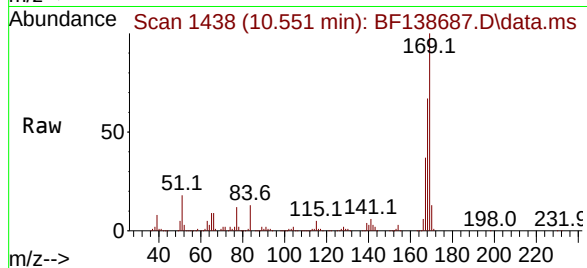




#66
n-Nitrosodiphenylamine
Concen: 76.022 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

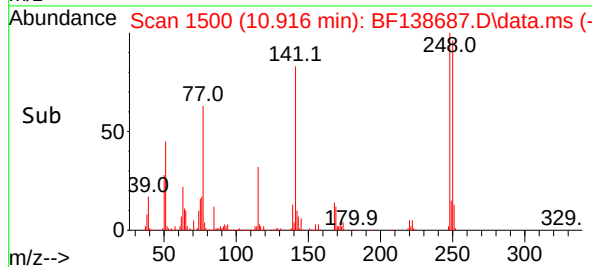
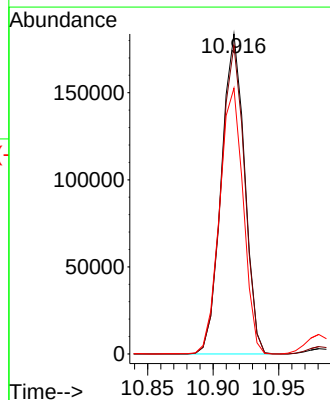
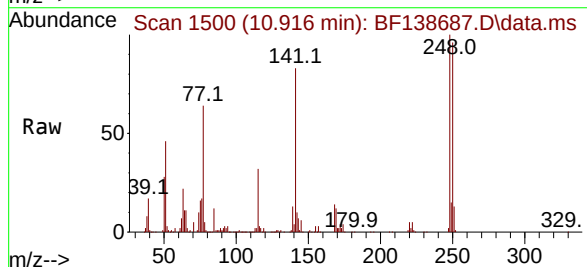
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

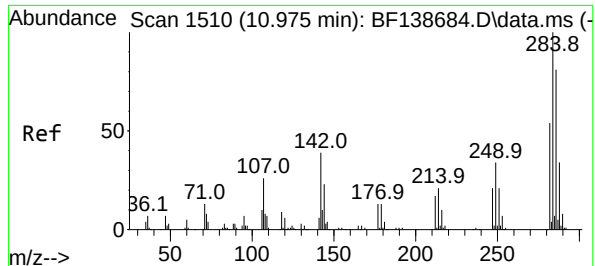
Tgt Ion:169 Resp: 641930
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 36.8 29.0 43.6



#67
4-Bromophenyl-phenylether
Concen: 77.318 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:248 Resp: 226137
Ion Ratio Lower Upper
248 100
250 96.4 77.7 116.5
141 83.0 68.0 102.0

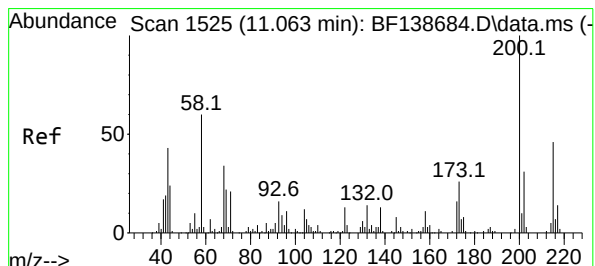
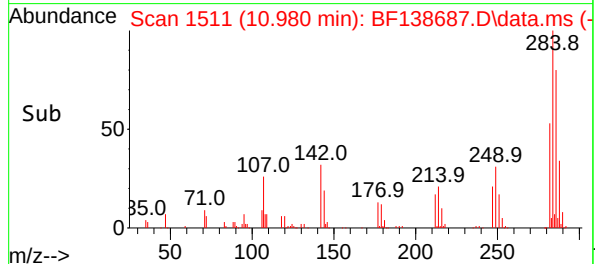
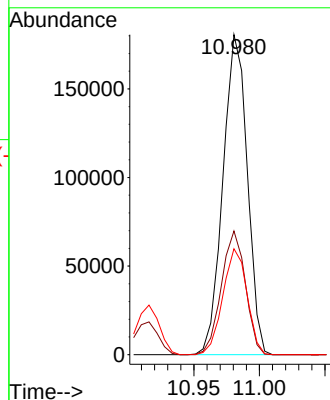
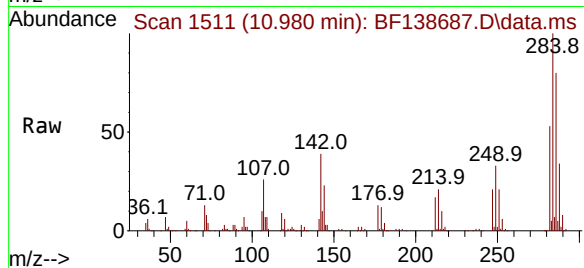




#68
Hexachlorobenzene
Concen: 77.158 ng
RT: 10.980 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

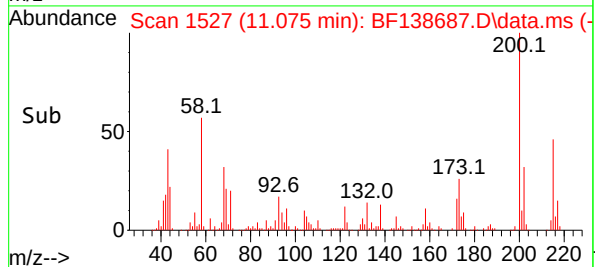
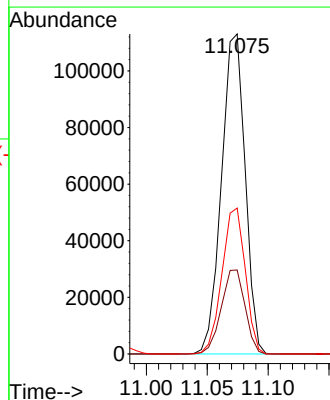
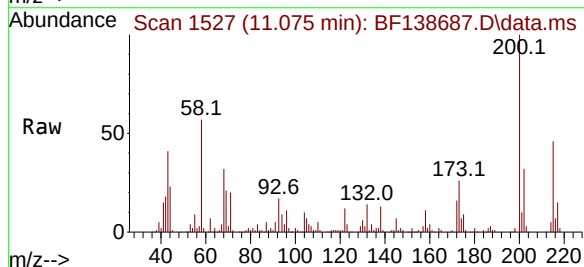
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

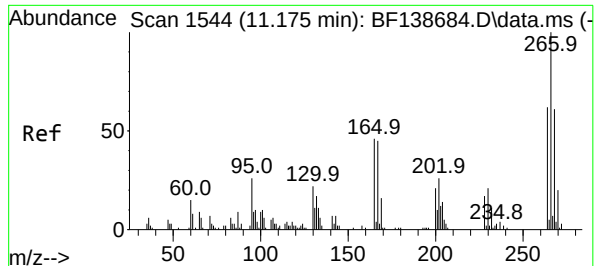
Tgt Ion:284 Resp: 233005
Ion Ratio Lower Upper
284 100
142 38.7 31.3 46.9
249 33.1 27.2 40.8



#69
Atrazine
Concen: 70.122 ng
RT: 11.075 min Scan# 1527
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:200 Resp: 152765
Ion Ratio Lower Upper
200 100
173 26.2 6.0 46.0
215 45.6 26.1 66.1

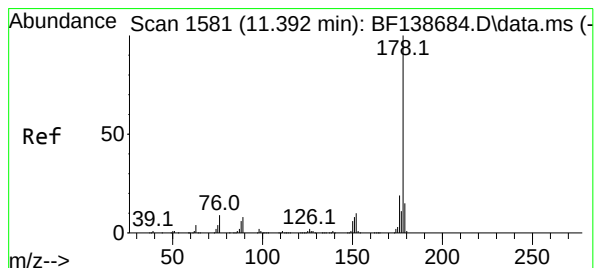
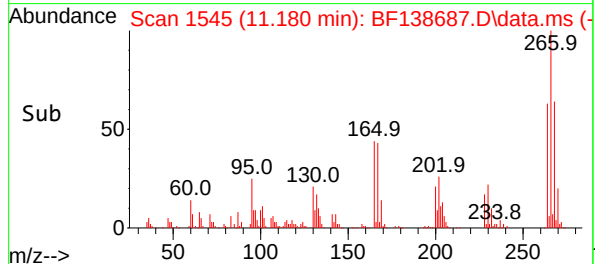
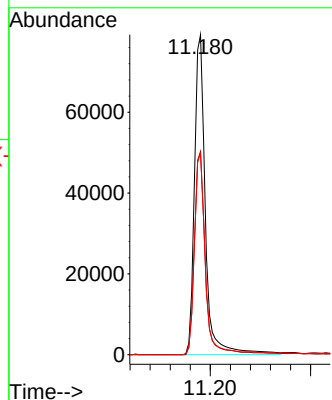
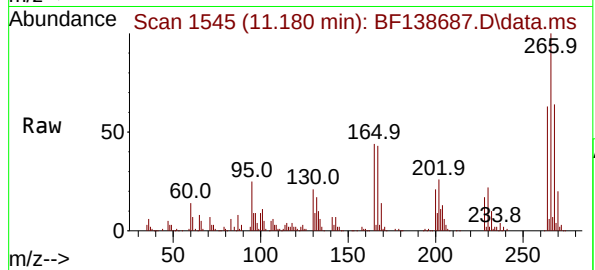




#70
Pentachlorophenol
Concen: 88.455 ng
RT: 11.180 min Scan# 1544
Delta R.T. 0.005 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

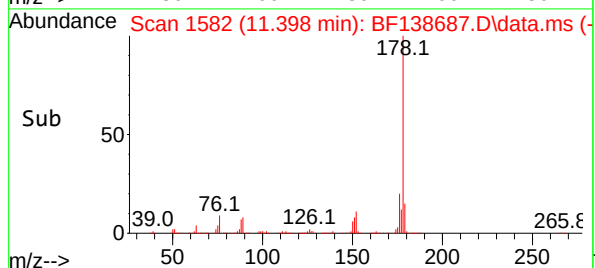
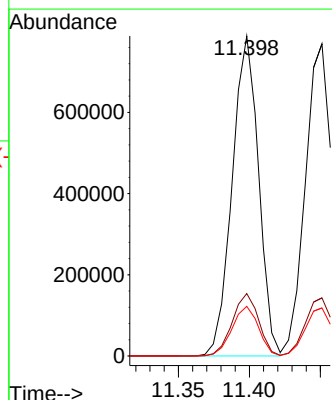
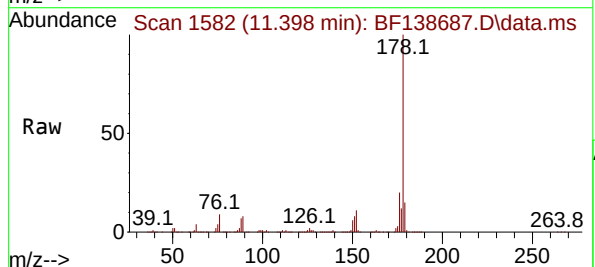
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

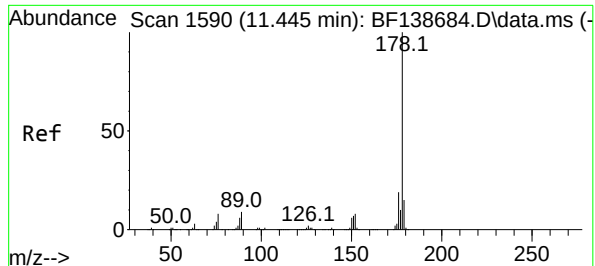
Tgt Ion:266 Resp: 120403
Ion Ratio Lower Upper
266 100
268 63.5 49.2 73.8
264 63.0 49.8 74.6



#71
Phenanthrene
Concen: 73.341 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:178 Resp: 1020185
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.5 12.2 18.2

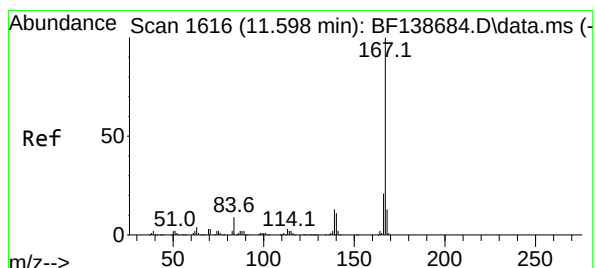
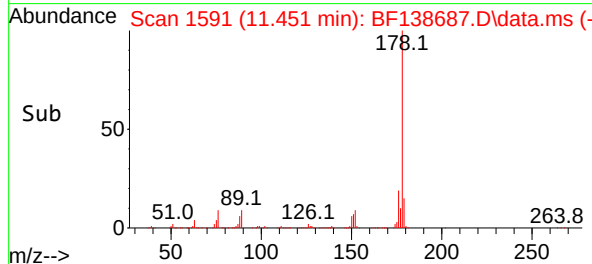
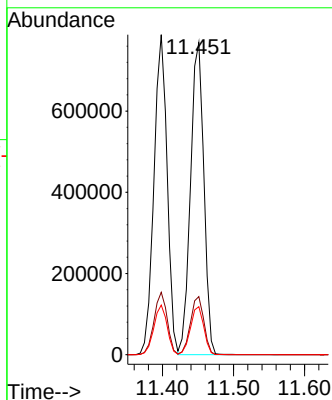
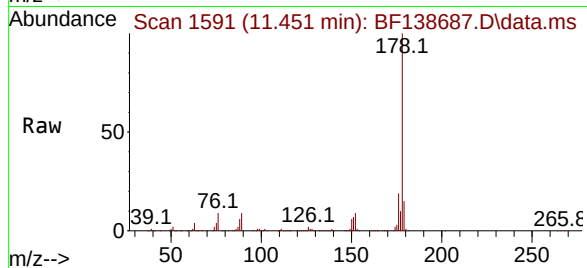




#72
Anthracene
Concen: 73.356 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

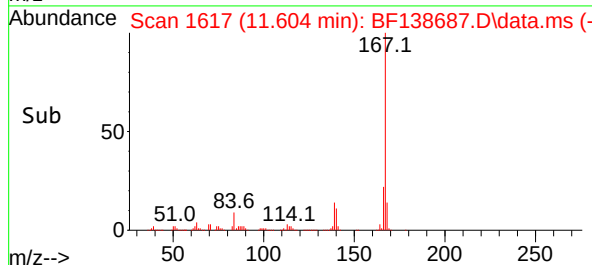
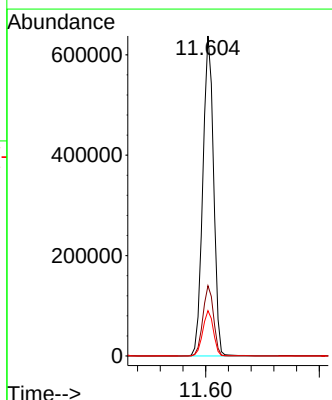
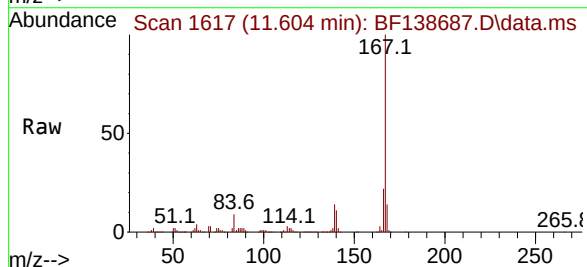
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

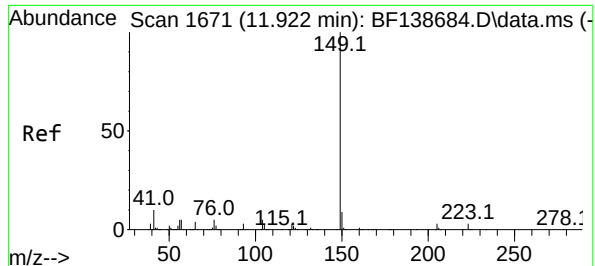
Tgt Ion:178 Resp: 1005219
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.4 12.4 18.6



#73
Carbazole
Concen: 70.750 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:167 Resp: 836447
Ion Ratio Lower Upper
167 100
166 22.0 17.2 25.8
139 14.1 10.6 16.0

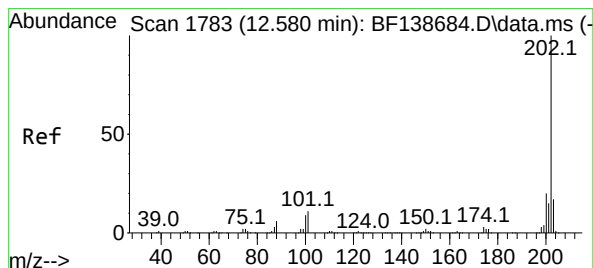
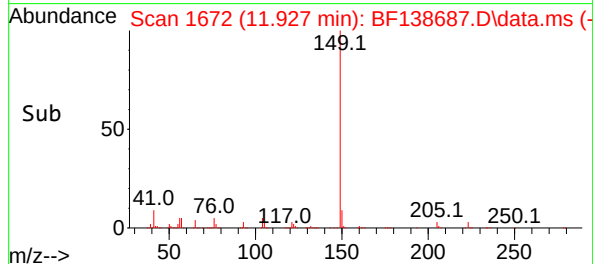
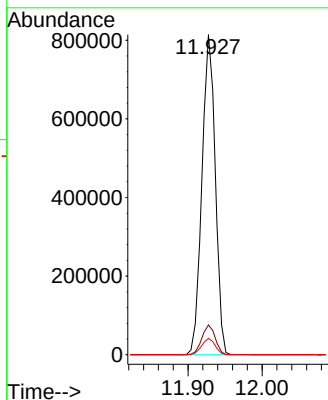
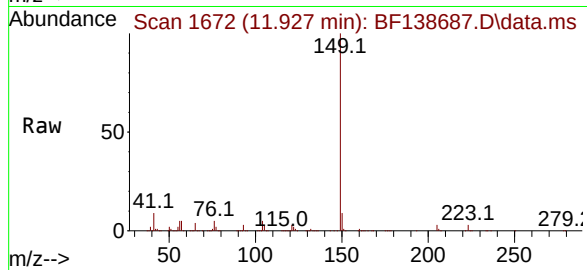




#74
Di-n-butylphthalate
Concen: 76.505 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

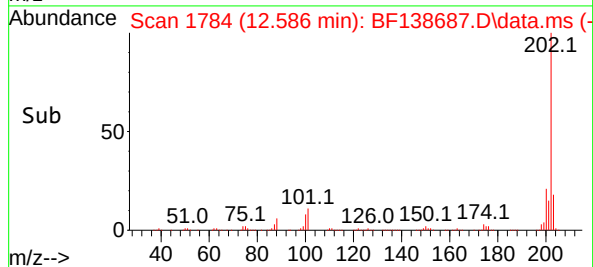
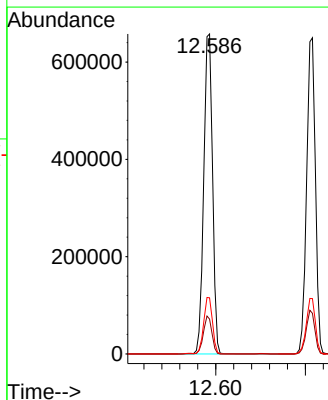
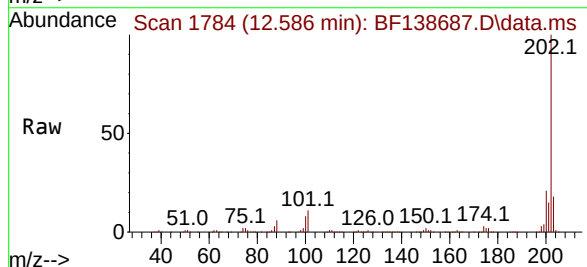
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

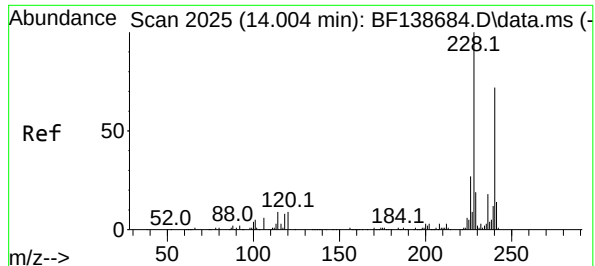
Tgt Ion:149 Resp: 1016790
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.1 4.1 6.1



#75
Fluoranthene
Concen: 68.843 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:202 Resp: 893988
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.2
203 17.6 0.0 37.3

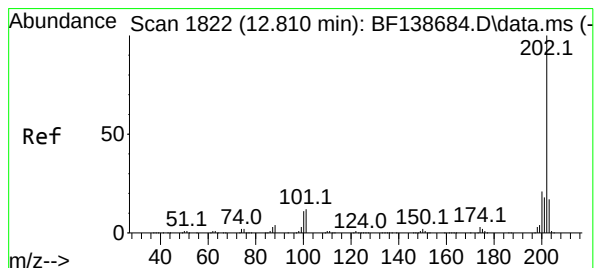
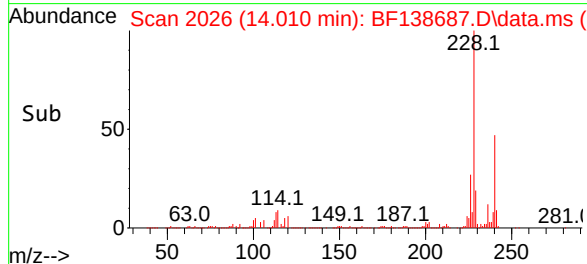
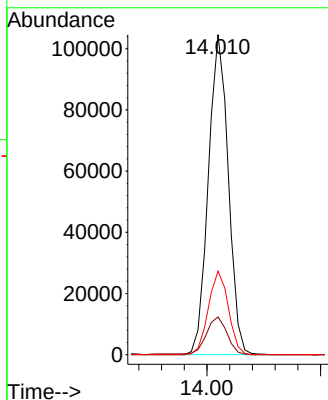
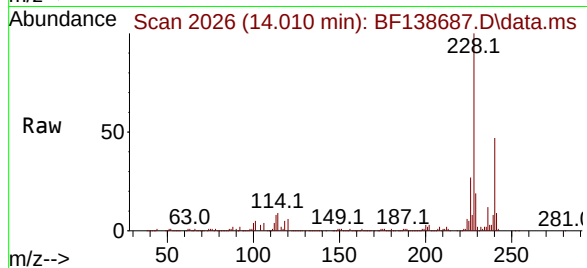




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

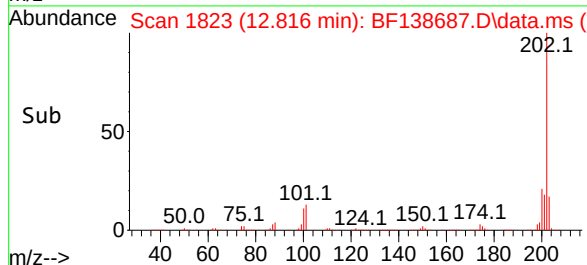
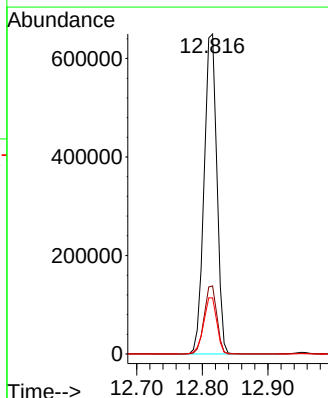
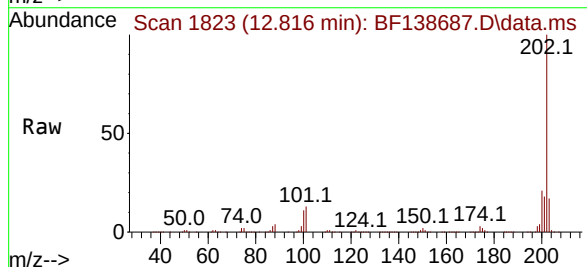
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

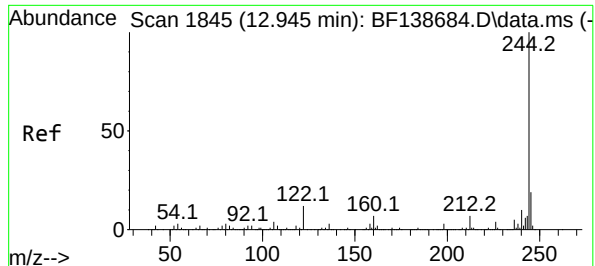
Tgt Ion:240 Resp: 127279
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.4
236 26.1 19.8 29.8



#78
Pyrene
Concen: 73.618 ng
RT: 12.816 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:202 Resp: 882216
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 145.087 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

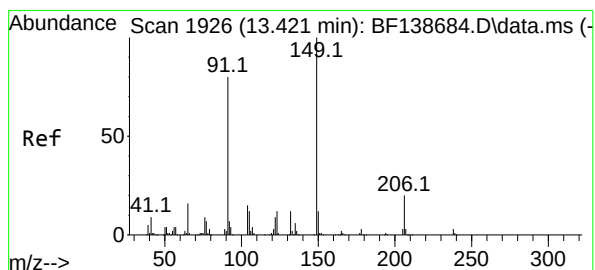
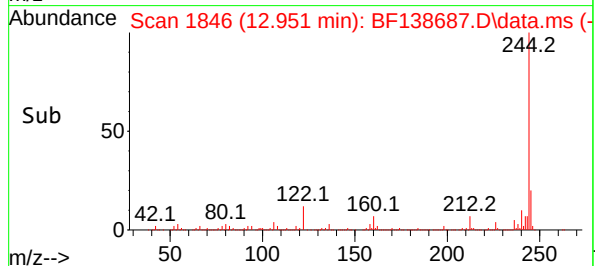
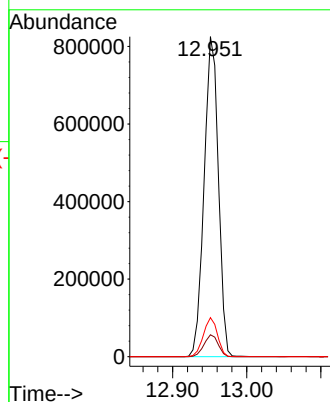
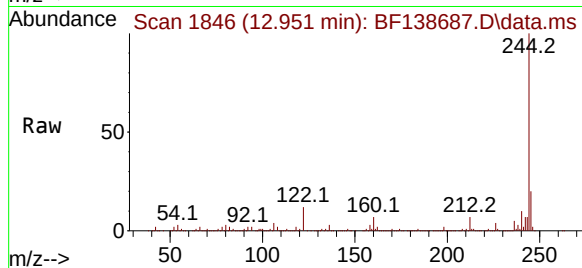
Tgt Ion:244 Resp: 1102959

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 12.2 9.6 14.4



#80

Butylbenzylphthalate

Concen: 79.340 ng

RT: 13.427 min Scan# 1927

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

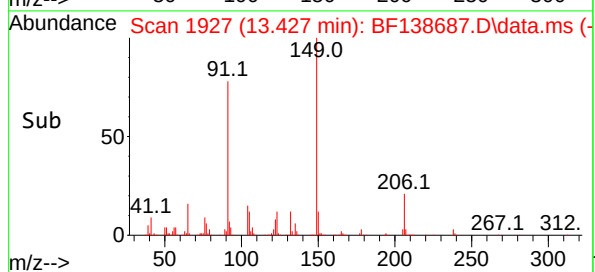
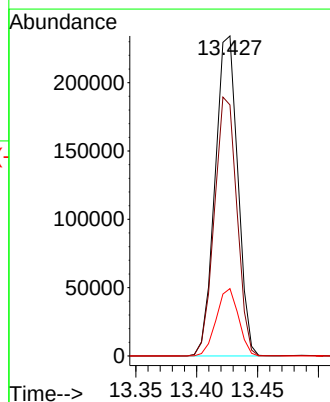
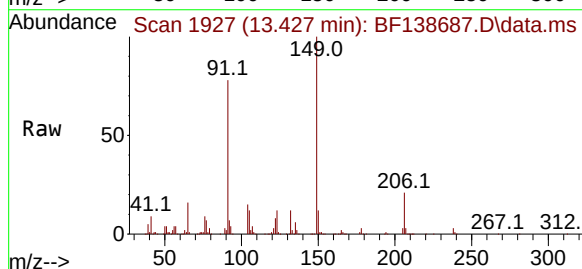
Tgt Ion:149 Resp: 304470

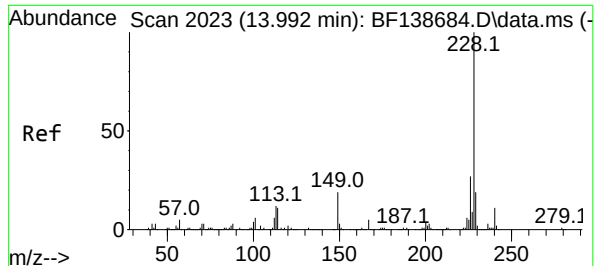
Ion Ratio Lower Upper

149 100

91 78.4 63.7 95.5

206 21.1 16.2 24.2

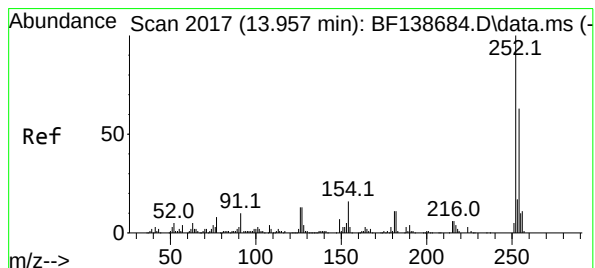
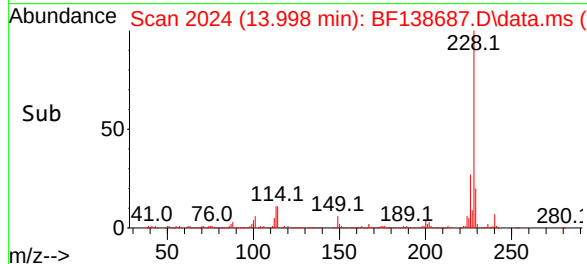
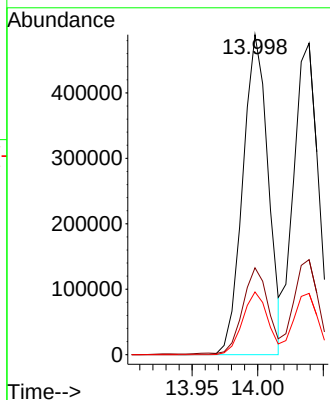
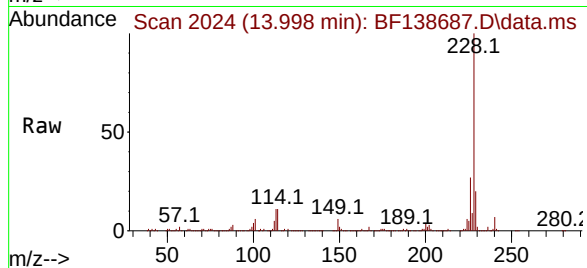




#81
Benzo(a)anthracene
Concen: 75.198 ng
RT: 13.998 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

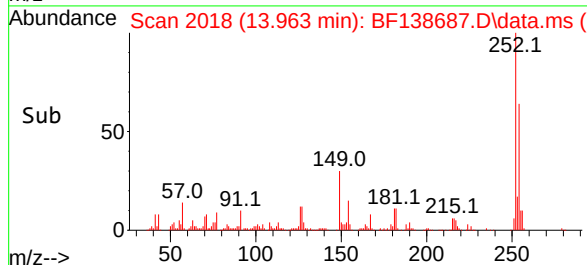
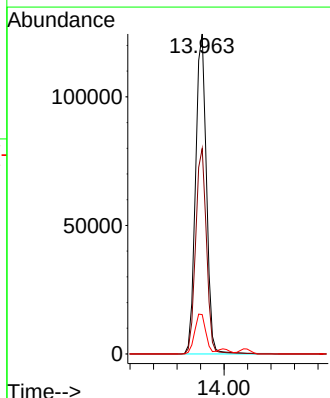
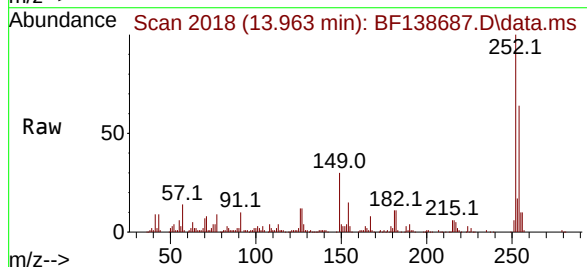
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

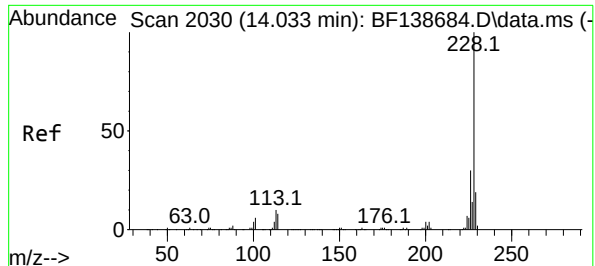
Tgt Ion:228 Resp: 659091
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 19.6 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 71.192 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 159678
Ion Ratio Lower Upper
252 100
254 64.2 50.8 76.2
126 12.3 10.2 15.2





#83

Chrysene

Concen: 78.129 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

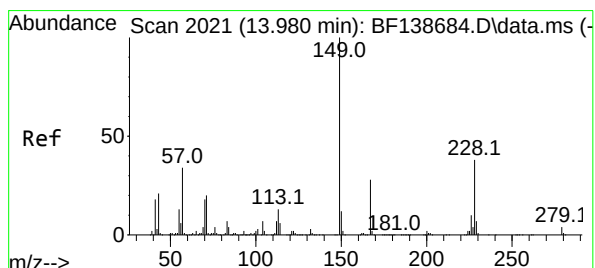
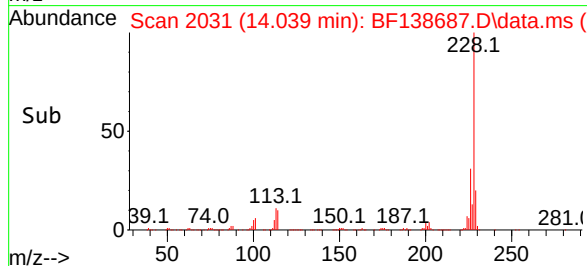
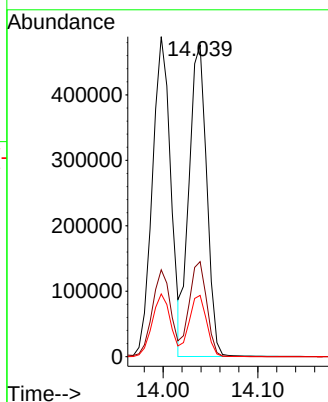
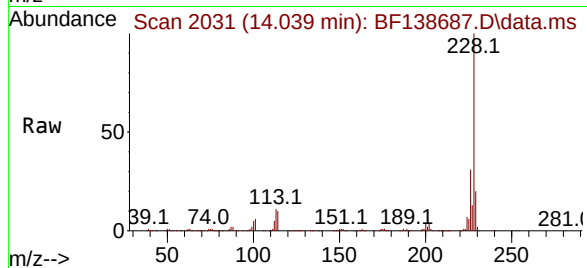
Tgt Ion:228 Resp: 617804

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 19.7 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 78.423 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

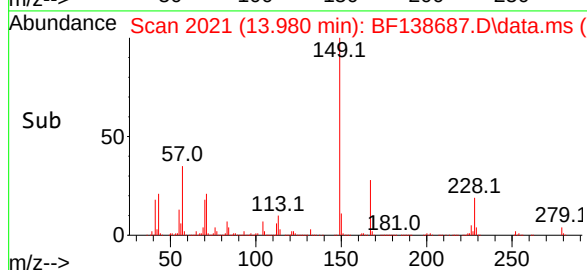
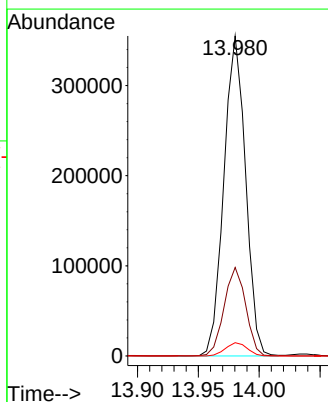
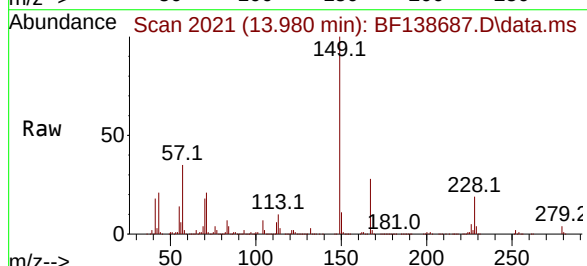
Tgt Ion:149 Resp: 440693

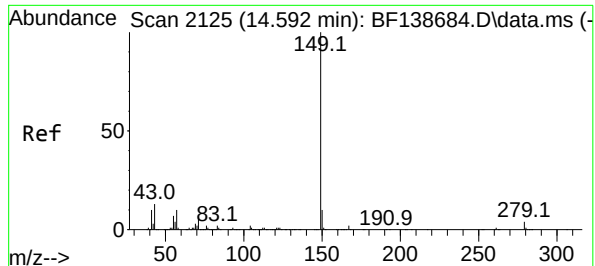
Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

279 4.1 3.4 5.0

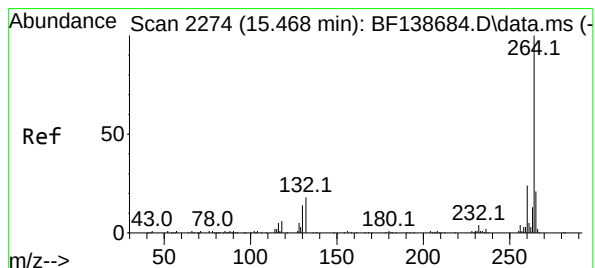
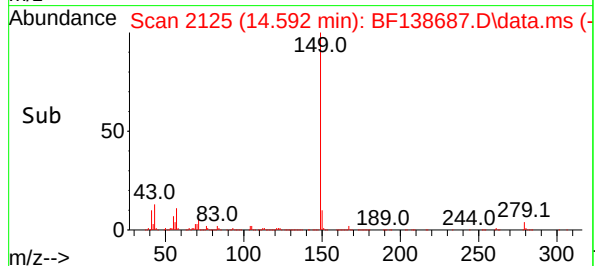
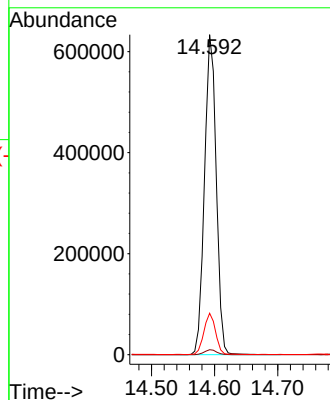
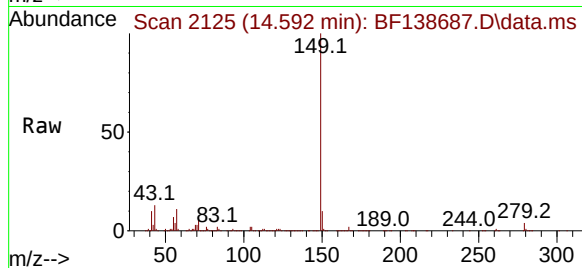




#85
Di-n-octyl phthalate
Concen: 78.597 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

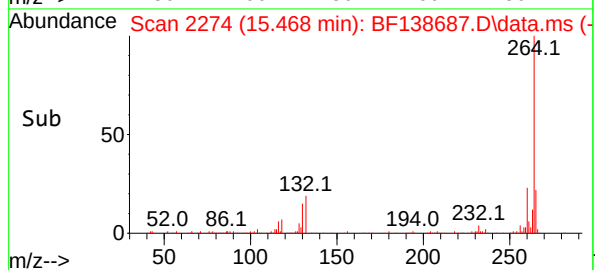
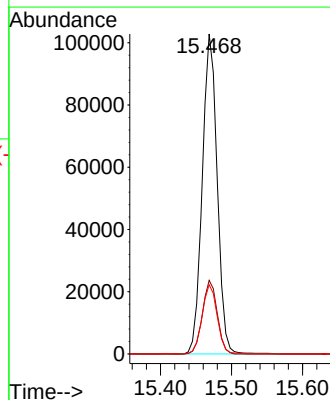
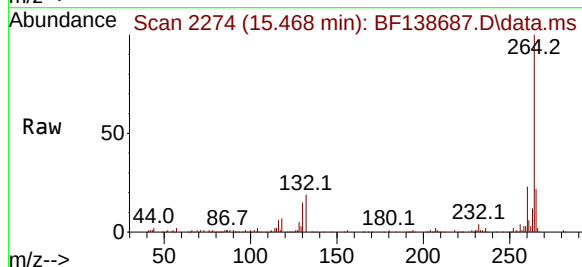
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

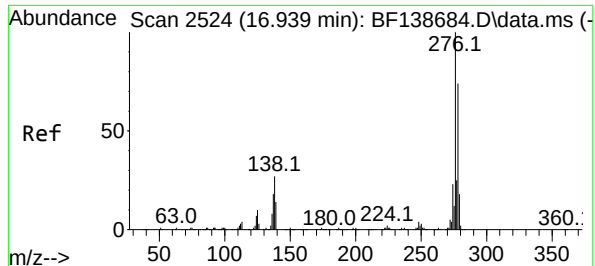
Tgt Ion:149 Resp: 817161
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 12.8 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:264 Resp: 150274
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 21.7 17.0 25.6

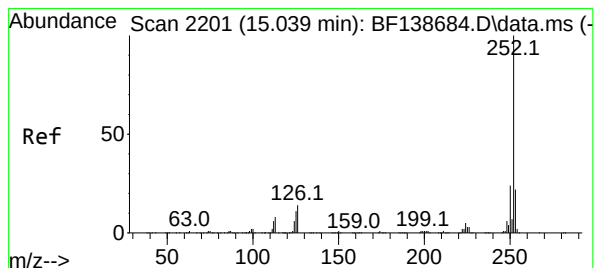
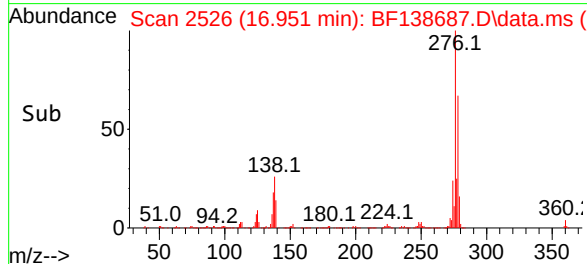
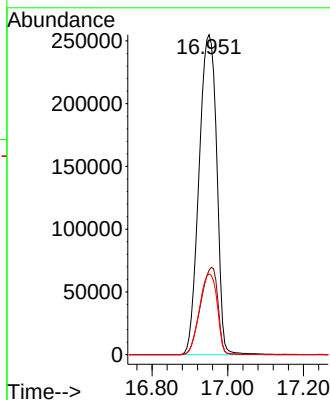
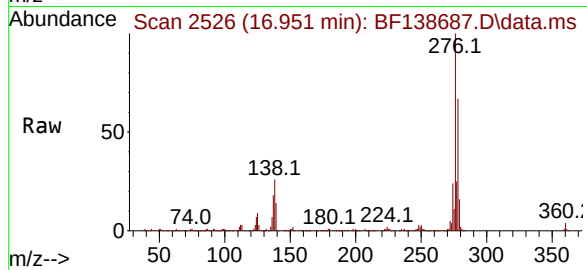




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.833 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

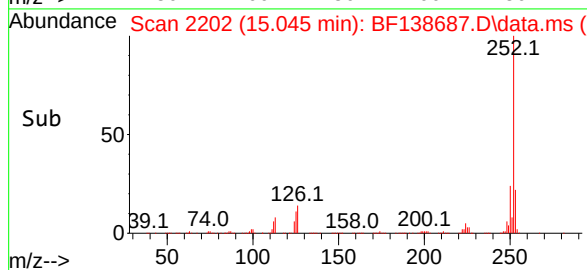
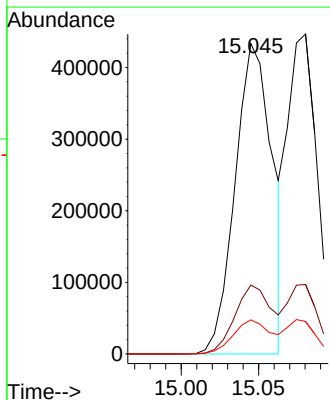
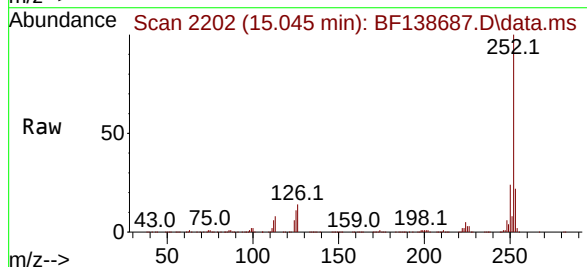
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

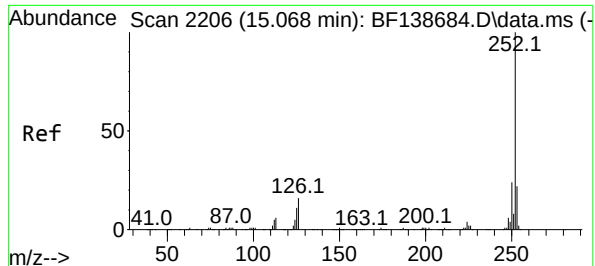
Tgt Ion:276 Resp: 827423
Ion Ratio Lower Upper
276 100
138 26.8 21.8 32.8
277 25.3 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 77.422 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 721224
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.0 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 73.959 ng

RT: 15.080 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

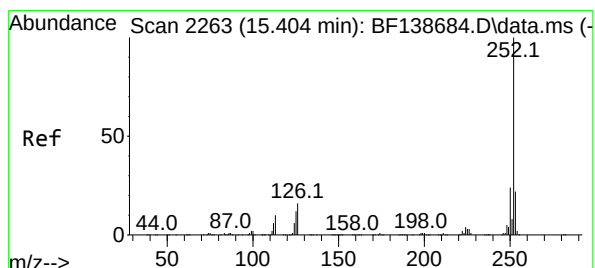
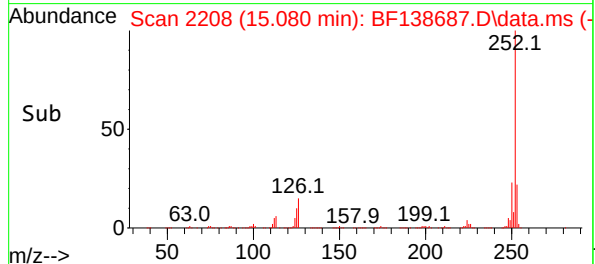
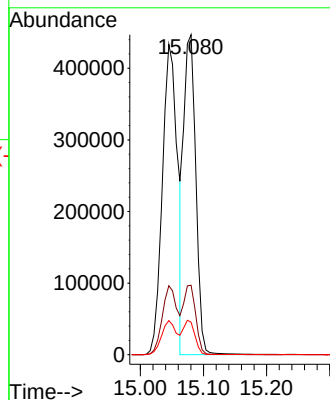
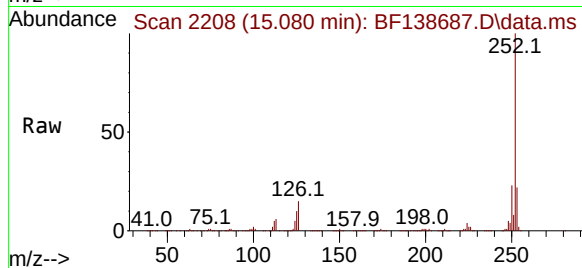
Tgt Ion:252 Resp: 596517

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 10.1 8.6 13.0



#90

Benzo(a)pyrene

Concen: 77.779 ng

RT: 15.416 min Scan# 2265

Delta R.T. 0.012 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

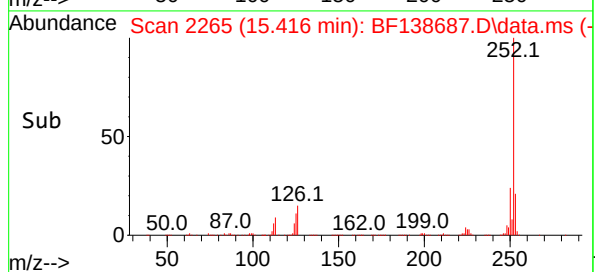
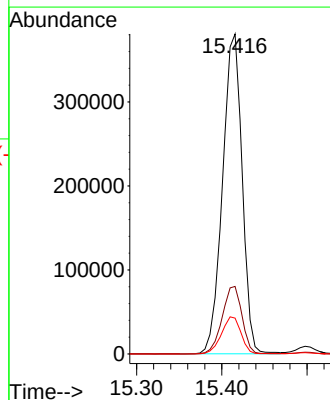
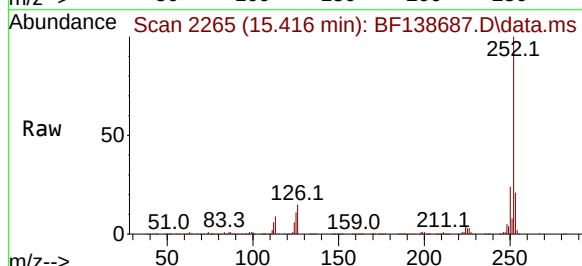
Tgt Ion:252 Resp: 609452

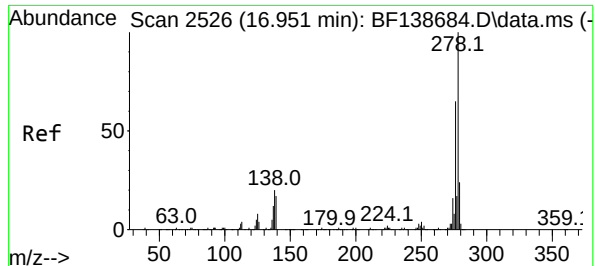
Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

125 11.2 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 75.184 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

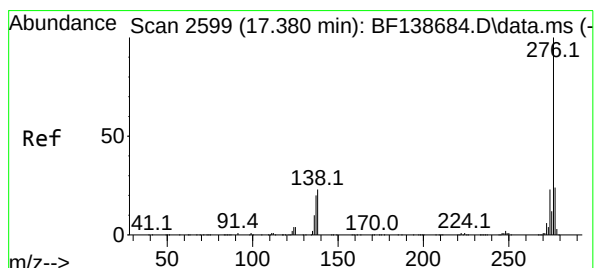
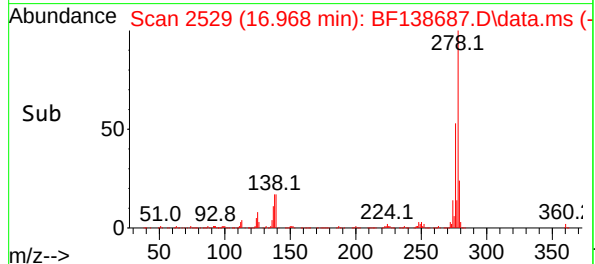
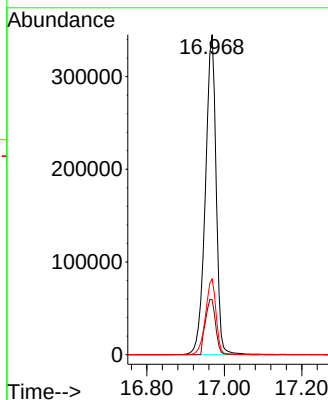
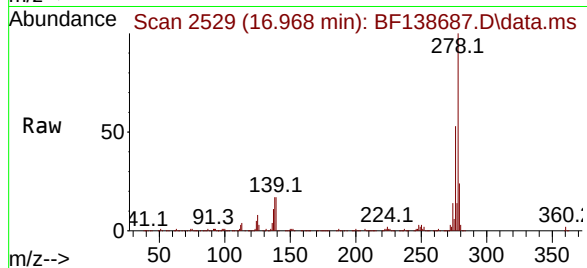
Tgt Ion:278 Resp: 664634

Ion Ratio Lower Upper

278 100

139 17.1 14.0 21.0

279 23.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 76.589 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF138687.D

Acq: 30 Jul 2024 16:29

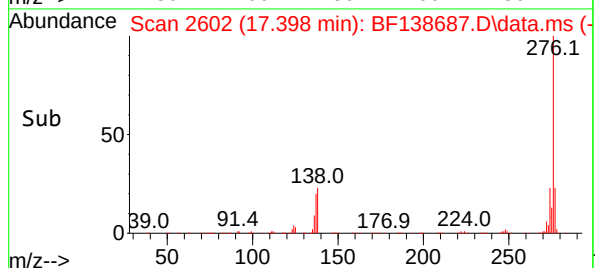
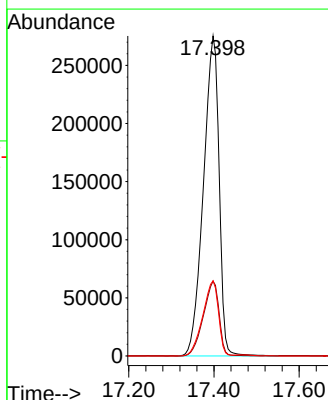
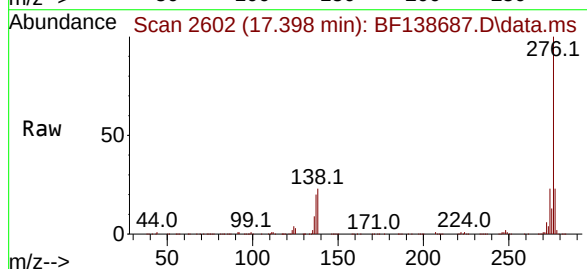
Tgt Ion:276 Resp: 702583

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 23.5 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	81804	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	316107	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	164062	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	252048	20.000	ng	0.00
76) Chrysene-d12	14.004	240	134464	20.000	ng	0.00
86) Perylene-d12	15.468	264	171097	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	414257	78.171	ng	0.00
7) Phenol-d6	6.487	99	551968	77.578	ng	0.00
23) Nitrobenzene-d5	7.410	82	519984	80.424	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	104018	77.401	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	857165	78.500	ng	0.00
79) Terphenyl-d14	12.951	244	589459	73.396	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.581	88	92359	39.808	ng	99
3) Pyridine	3.340	79	227413	40.463	ng	97
4) n-Nitrosodimethylamine	3.299	42	131855	39.391	ng	100
6) Aniline	6.510	93	255062	40.197	ng	90
8) 2-Chlorophenol	6.634	128	216863	38.895	ng	98
9) Benzaldehyde	6.398	77	161636	37.898	ng	99
10) Phenol	6.498	94	286738	38.277	ng	97
11) bis(2-Chloroethyl)ether	6.587	93	221556	38.433	ng	100
12) 1,3-Dichlorobenzene	6.787	146	241485	38.692	ng	99
13) 1,4-Dichlorobenzene	6.863	146	243549	38.668	ng	98
14) 1,2-Dichlorobenzene	7.016	146	226577	38.492	ng	99
15) Benzyl Alcohol	6.992	79	200599	39.118	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	378258	38.127	ng	99
17) 2-Methylphenol	7.104	107	177941	38.649	ng	98
18) Hexachloroethane	7.357	117	93375	39.384	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	160901	37.442	ng	98
20) 3+4-Methylphenols	7.257	107	221138	37.436	ng	97
22) Acetophenone	7.257	105	302593	39.095	ng	99
24) Nitrobenzene	7.434	77	262386	39.882	ng	97
25) Isophorone	7.669	82	433596	39.275	ng	99
26) 2-Nitrophenol	7.745	139	115113	40.668	ng	99
27) 2,4-Dimethylphenol	7.787	122	136249	40.231	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	265943	39.557	ng	99
29) 2,4-Dichlorophenol	7.992	162	176541	40.567	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	199132	39.651	ng	99
31) Naphthalene	8.151	128	652780	39.232	ng	100
32) Benzoic acid	7.916	122	110429	41.481	ng	98
33) 4-Chloroaniline	8.204	127	223787	40.067	ng	99
34) Hexachlorobutadiene	8.263	225	124022	40.772	ng	99
35) Caprolactam	8.575	113	49818	38.365	ng	99
36) 4-Chloro-3-methylphenol	8.686	107	194782	39.164	ng	99
37) 2-Methylnaphthalene	8.839	142	408106	38.836	ng	100
38) 1-Methylnaphthalene	8.939	142	398155	38.666	ng	98
40) 1,2,4,5-Tetrachloroben...	9.004	216	184821	40.554	ng	99
41) Hexachlorocyclopentadiene	8.986	237	46660	42.278	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	112217	40.384	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

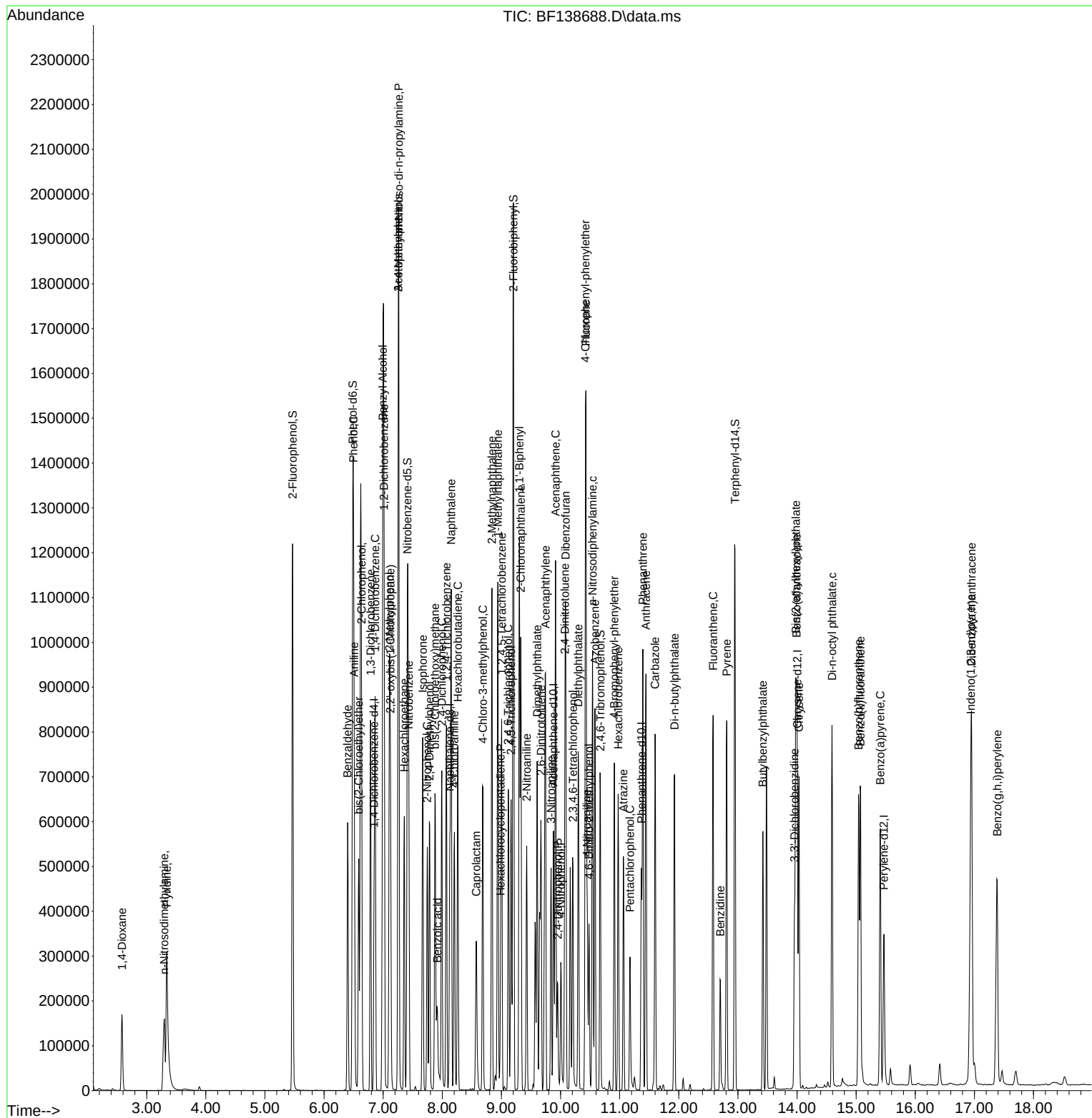
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	124581	41.011	ng	99
46) 1,1'-Biphenyl	9.304	154	515966	40.156	ng	99
47) 2-Chloronaphthalene	9.328	162	381923	39.966	ng	99
48) 2-Nitroaniline	9.428	65	127985	39.505	ng	99
49) Acenaphthylene	9.745	152	535427	39.504	ng	99
50) Dimethylphthalate	9.604	163	403438	38.458	ng	99
51) 2,6-Dinitrotoluene	9.669	165	94451	39.895	ng	98
52) Acenaphthene	9.916	154	359484	39.456	ng	100
53) 3-Nitroaniline	9.839	138	93752	38.306	ng	99
54) 2,4-Dinitrophenol	9.951	184	42619	39.106	ng	97
55) Dibenzofuran	10.086	168	501545	38.997	ng	100
56) 4-Nitrophenol	10.004	139	57893	39.336	ng	98
57) 2,4-Dinitrotoluene	10.075	165	116813	38.673	ng	97
58) Fluorene	10.428	166	395954	38.661	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	89831	38.680	ng	97
60) Diethylphthalate	10.298	149	382418	38.447	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	196905	39.091	ng	99
62) 4-Nitroaniline	10.451	138	89602	38.525	ng	99
63) Azobenzene	10.580	77	426075	38.622	ng	99
65) 4,6-Dinitro-2-methylph...	10.480	198	63542	41.323	ng	97
66) n-Nitrosodiphenylamine	10.539	169	319562	40.561	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	110219	40.390	ng	99
68) Hexachlorobenzene	10.975	284	113117	40.147	ng	99
69) Atrazine	11.063	200	80604	39.654	ng	98
70) Pentachlorophenol	11.175	266	51801	40.788	ng	96
71) Phenanthrene	11.392	178	506626	39.036	ng	100
72) Anthracene	11.445	178	496297	38.817	ng	99
73) Carbazole	11.598	167	425187	38.546	ng	100
74) Di-n-butylphthalate	11.927	149	496140	40.010	ng	100
75) Fluoranthene	12.580	202	463445	38.250	ng	100
77) Benzidine	12.704	184	132396	41.166	ng	98
78) Pyrene	12.810	202	467254	36.907	ng	100
80) Butylbenzylphthalate	13.421	149	171996	42.425	ng	99
81) Benzo(a)anthracene	13.992	228	379585	40.994	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	104638	44.160	ng	100
83) Chrysene	14.033	228	328373	39.308	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	266678	44.921	ng	99
85) Di-n-octyl phthalate	14.592	149	485296	44.183	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	483878	39.463	ng	99
88) Benzo(b)fluoranthene	15.039	252	404868	38.172	ng	99
89) Benzo(k)fluoranthene	15.074	252	352910	38.430	ng	99
90) Benzo(a)pyrene	15.410	252	356148	39.920	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	393430	39.089	ng	99
92) Benzo(g,h,i)perylene	17.386	276	412115	39.457	ng	98

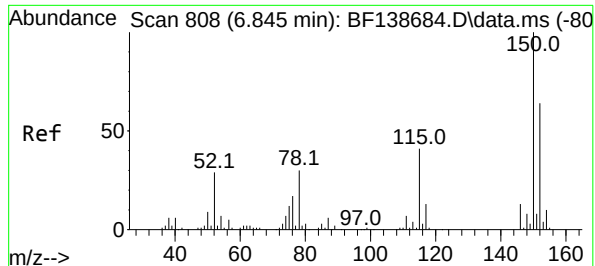
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

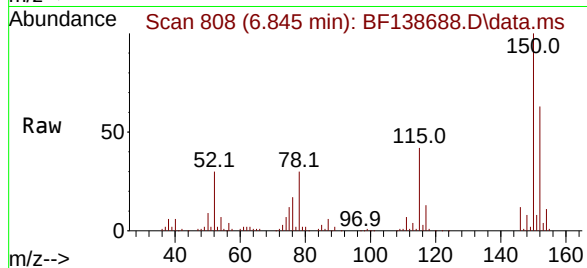
Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration



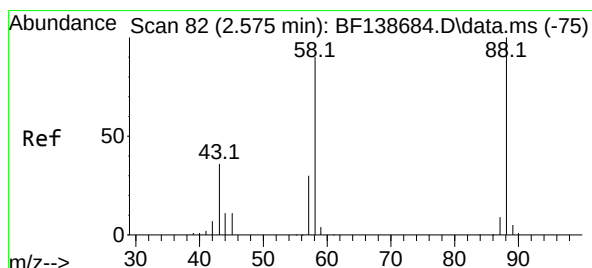
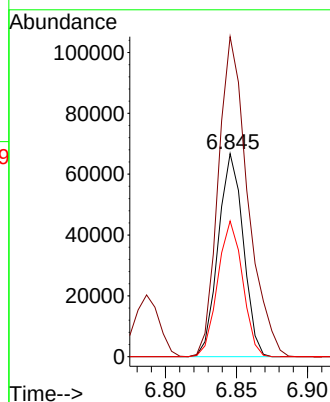
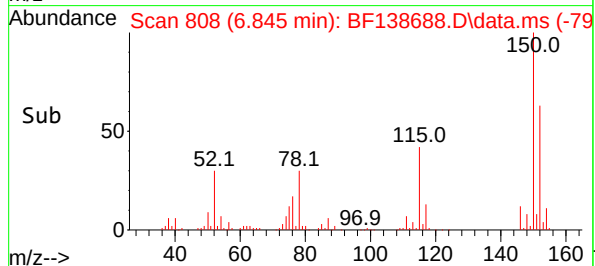


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

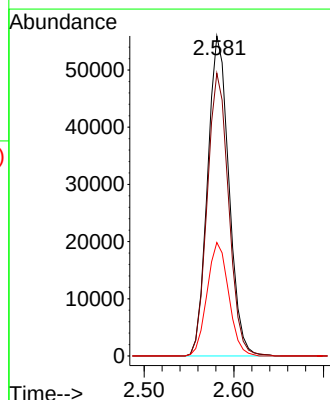
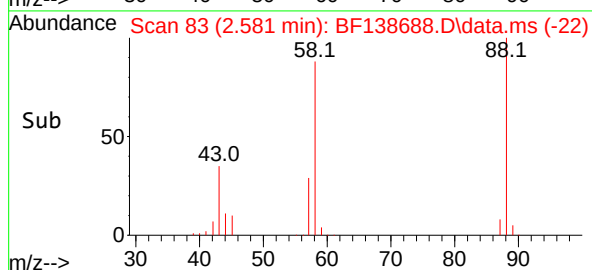
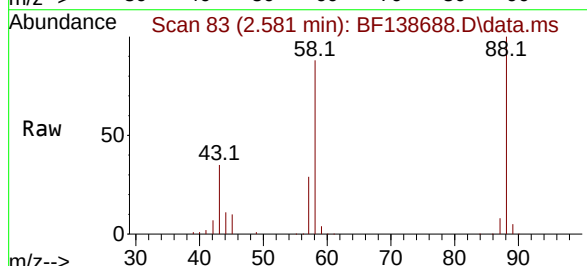


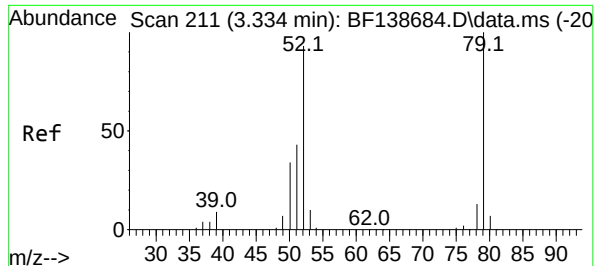
Tgt Ion:152 Resp: 81804
Ion Ratio Lower Upper
152 100
150 157.6 126.0 189.0
115 66.8 51.7 77.5



#2
1,4-Dioxane
Concen: 39.808 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 88 Resp: 92359
Ion Ratio Lower Upper
88 100
58 88.5 71.6 107.4
43 35.9 28.7 43.1





#3

Pyridine

Concen: 40.463 ng

RT: 3.340 min Scan# 211

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

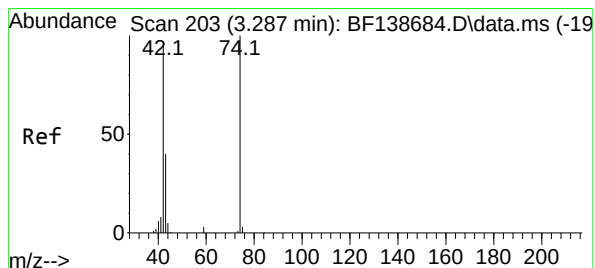
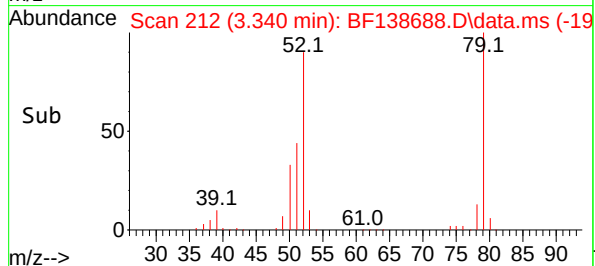
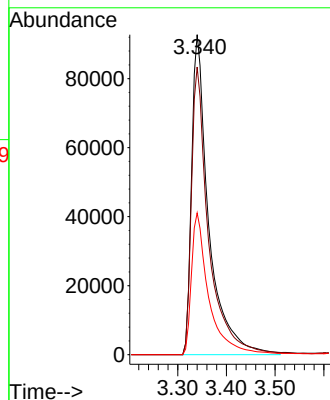
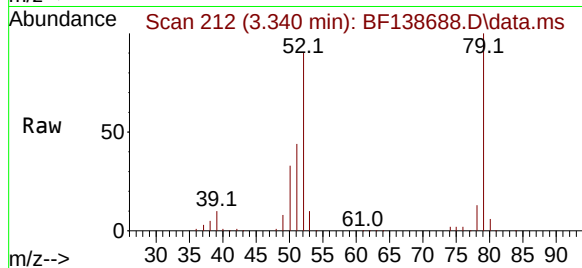
Tgt Ion: 79 Resp: 227413

Ion Ratio Lower Upper

79 100

52 89.9 74.7 112.1

51 44.3 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 39.391 ng

RT: 3.299 min Scan# 205

Delta R.T. 0.012 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

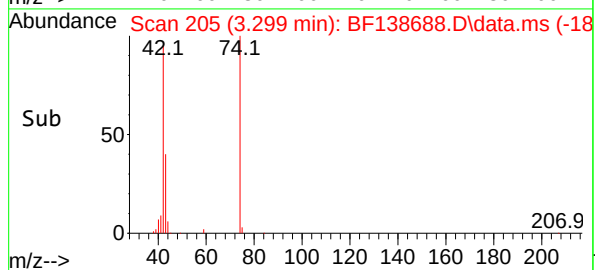
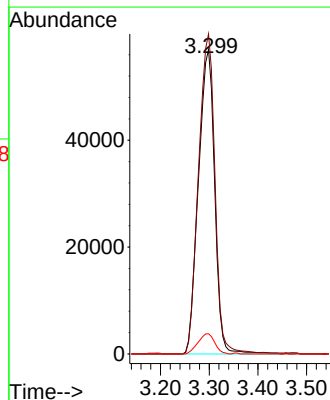
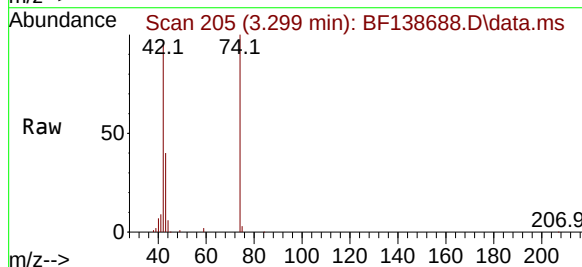
Tgt Ion: 42 Resp: 131855

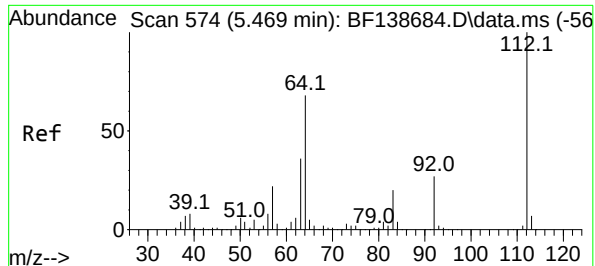
Ion Ratio Lower Upper

42 100

74 105.1 84.2 126.4

44 6.6 4.9 7.3

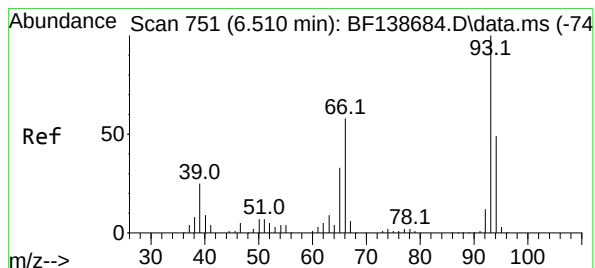
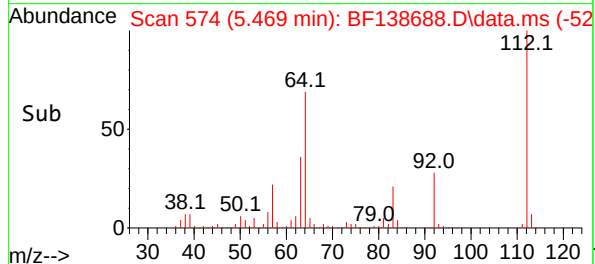
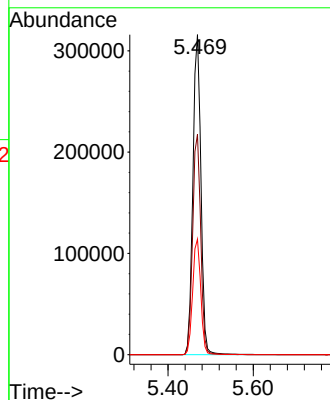
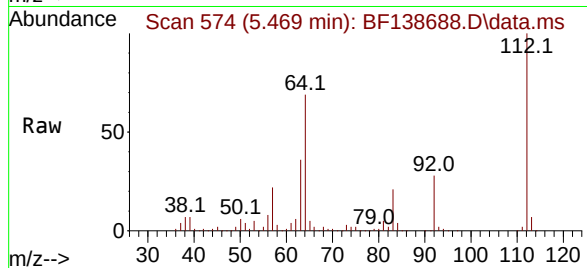




#5
2-Fluorophenol
Concen: 78.171 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

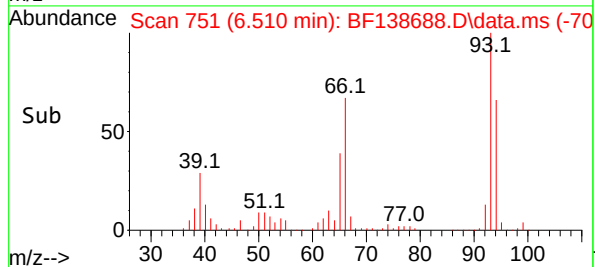
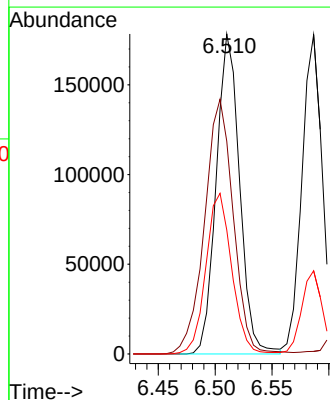
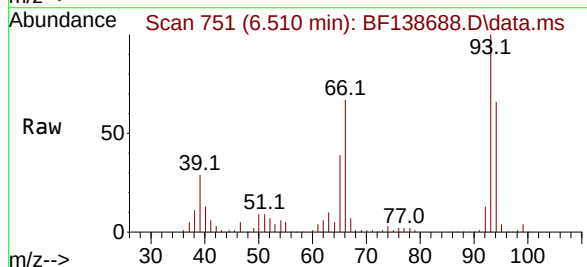
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

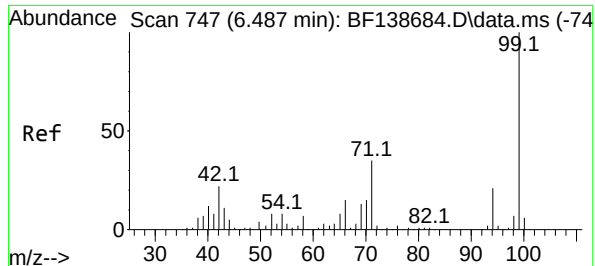
Tgt Ion:112 Resp: 414257
Ion Ratio Lower Upper
112 100
64 68.9 54.2 81.4
63 36.1 28.7 43.1



#6
Aniline
Concen: 40.197 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 93 Resp: 255062
Ion Ratio Lower Upper
93 100
66 66.5 46.9 70.3
65 38.7 26.5 39.7





#7

Phenol-d6

Concen: 77.578 ng

RT: 6.487 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

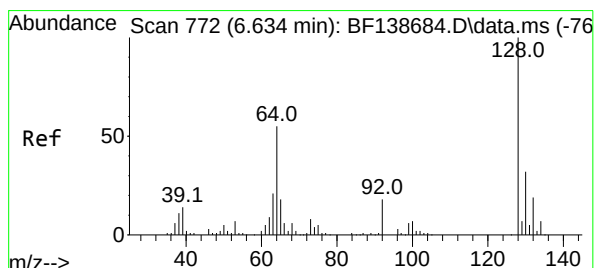
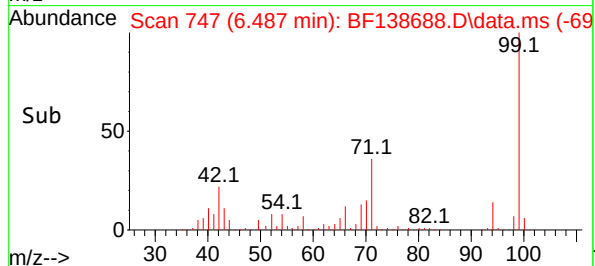
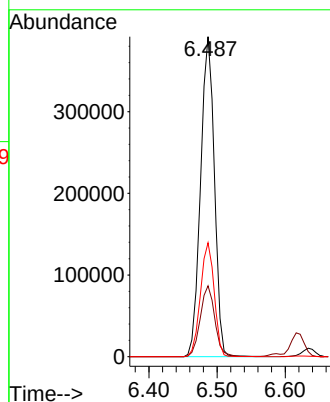
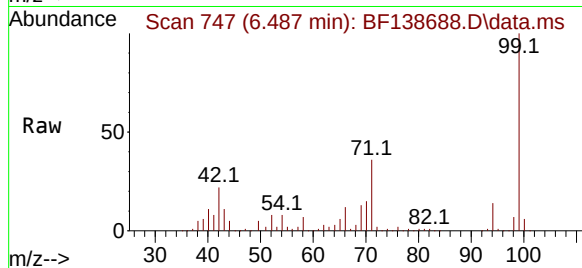
Tgt Ion: 99 Resp: 551968

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

71 35.6 28.1 42.1



#8

2-Chlorophenol

Concen: 38.895 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

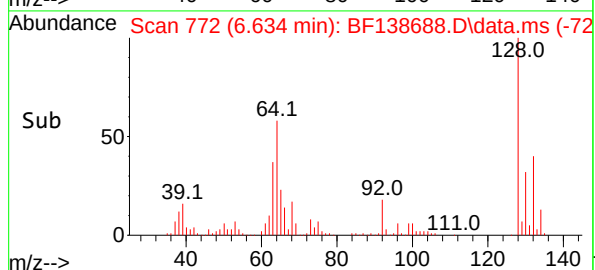
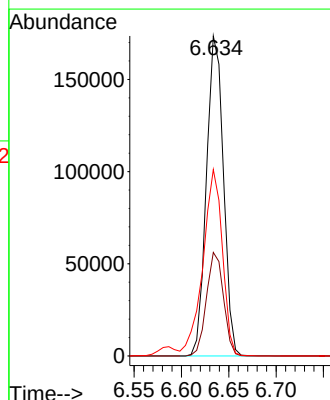
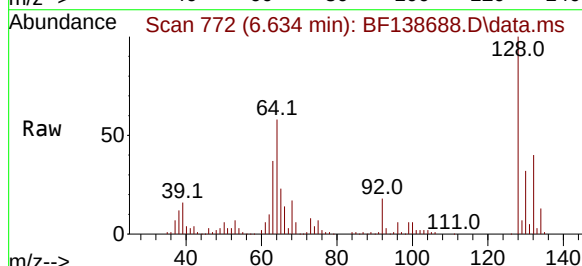
Tgt Ion: 128 Resp: 216863

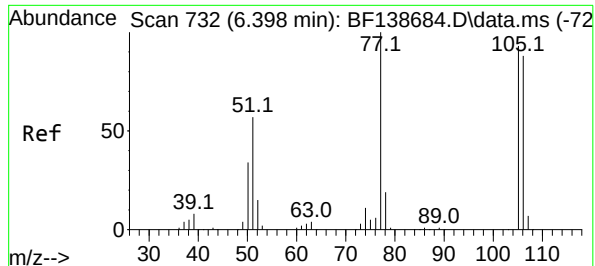
Ion Ratio Lower Upper

128 100

130 32.4 12.0 52.0

64 58.3 36.3 76.3





#9

Benzaldehyde

Concen: 37.898 ng

RT: 6.398 min Scan# 732

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

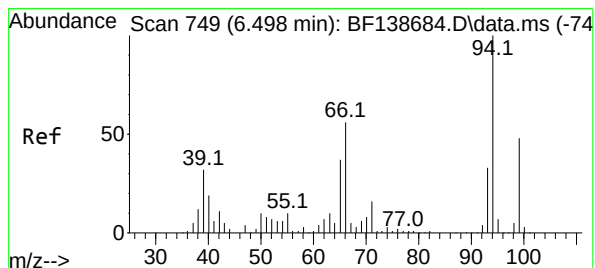
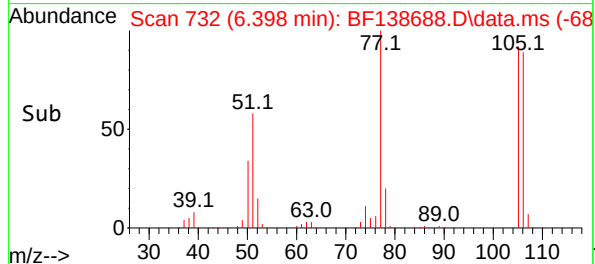
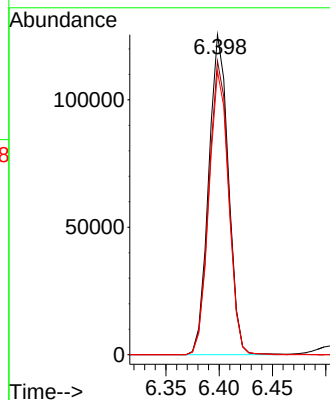
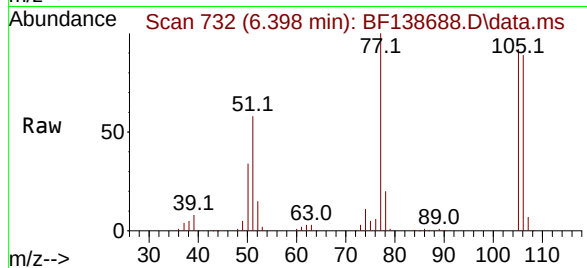
Tgt Ion: 77 Resp: 161636

Ion Ratio Lower Upper

77 100

105 91.7 72.9 112.9

106 88.6 68.4 108.4



#10

Phenol

Concen: 38.277 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

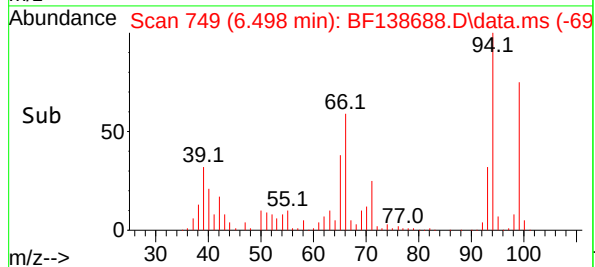
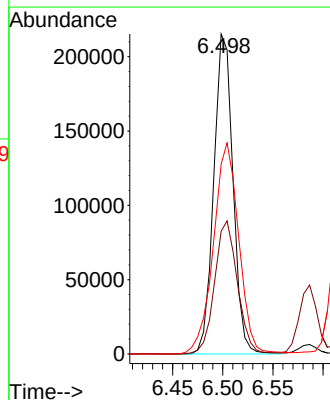
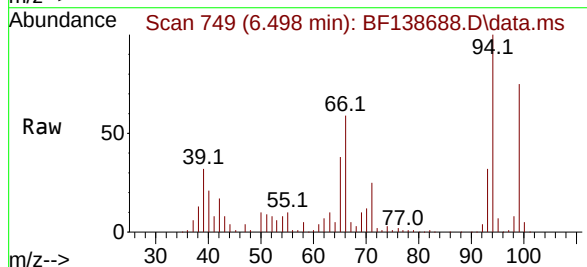
Tgt Ion: 94 Resp: 286738

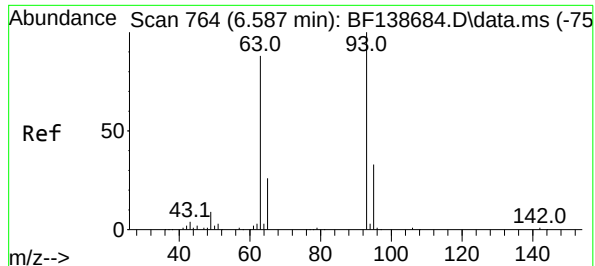
Ion Ratio Lower Upper

94 100

65 38.4 16.9 56.9

66 59.3 36.5 76.5





#11

bis(2-Chloroethyl)ether

Concen: 38.433 ng

RT: 6.587 min Scan# 764

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

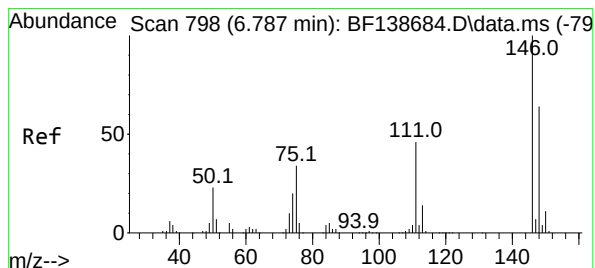
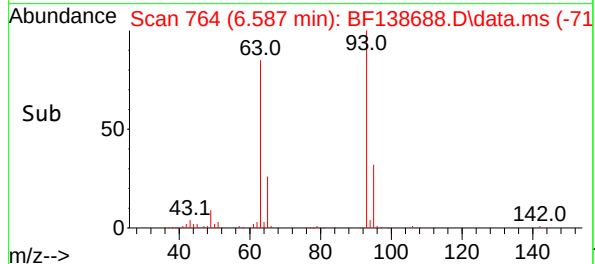
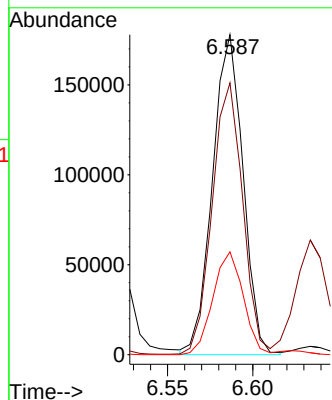
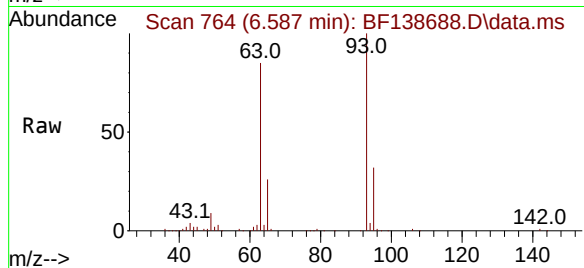
Tgt Ion: 93 Resp: 221556

Ion Ratio Lower Upper

93 100

63 85.0 65.3 105.3

95 32.2 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 38.692 ng

RT: 6.787 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

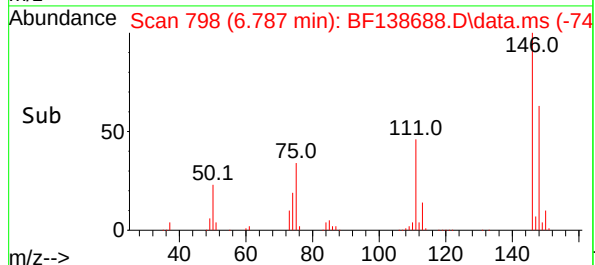
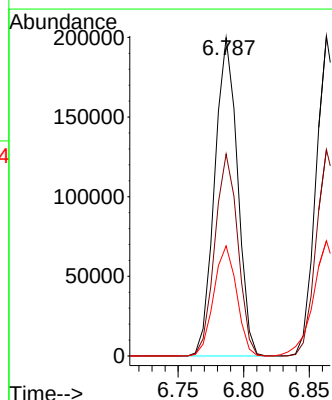
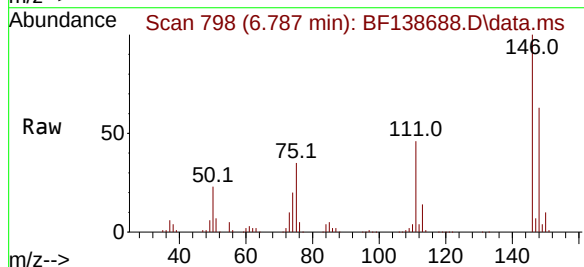
Tgt Ion: 146 Resp: 241485

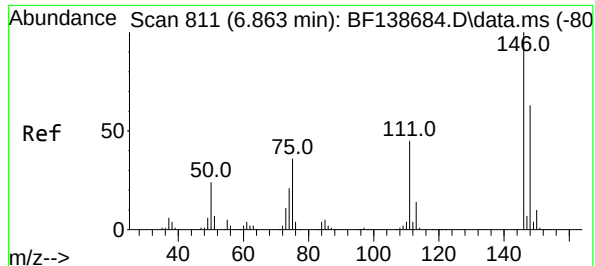
Ion Ratio Lower Upper

146 100

148 63.5 51.2 76.8

75 34.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 38.668 ng

RT: 6.863 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

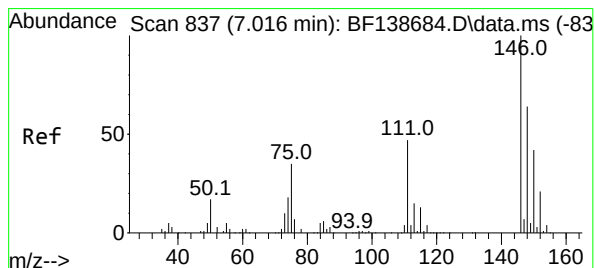
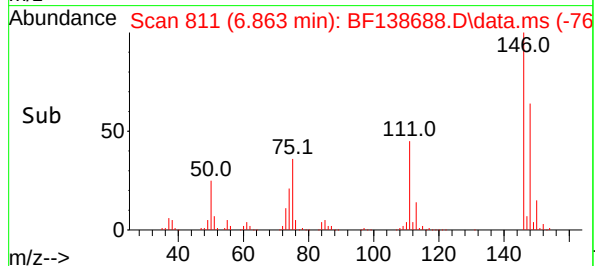
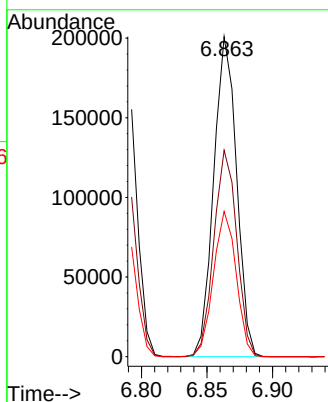
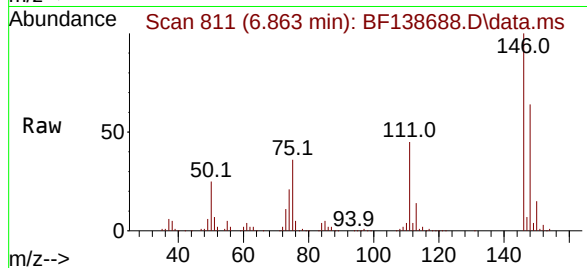
Tgt Ion:146 Resp: 243549

Ion Ratio Lower Upper

146 100

148 64.5 50.2 75.2

111 45.4 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 38.492 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

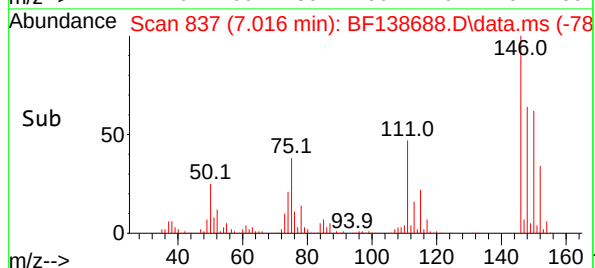
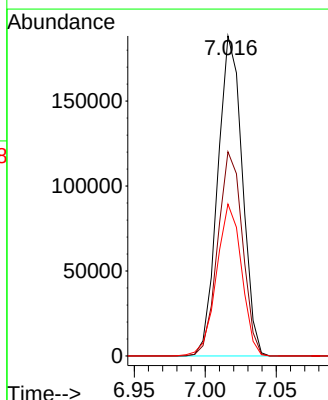
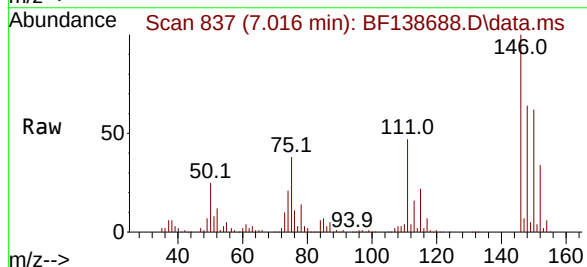
Tgt Ion:146 Resp: 226577

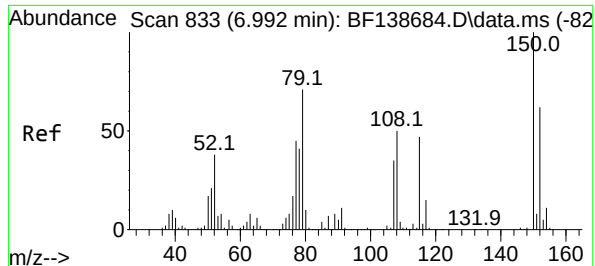
Ion Ratio Lower Upper

146 100

148 63.8 50.8 76.2

111 47.4 37.4 56.2





#15

Benzyl Alcohol

Concen: 39.118 ng

RT: 6.992 min Scan# 833

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

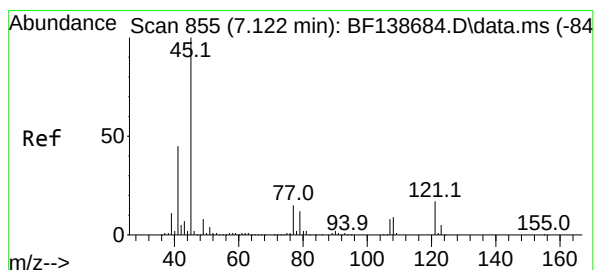
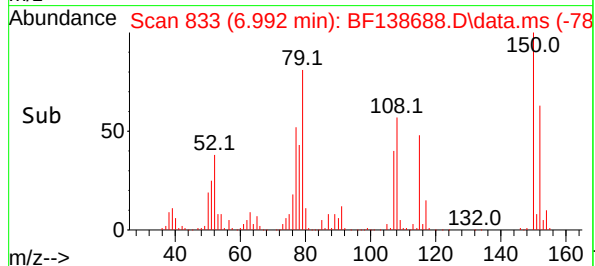
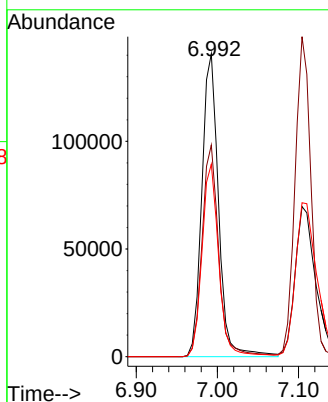
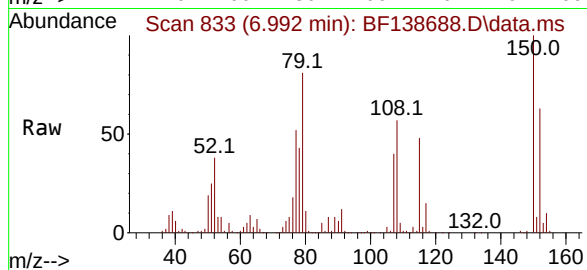
Tgt Ion: 79 Resp: 200599

Ion Ratio Lower Upper

79 100

108 69.9 56.6 85.0

77 63.6 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.127 ng

RT: 7.122 min Scan# 855

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

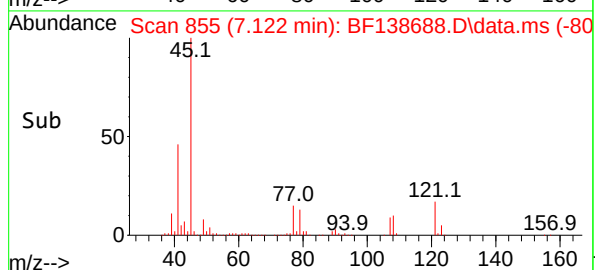
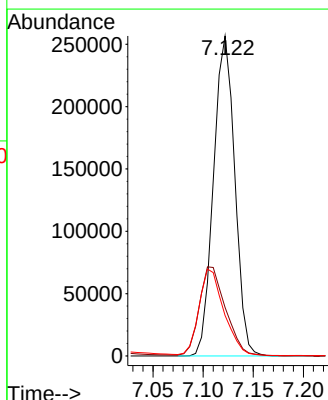
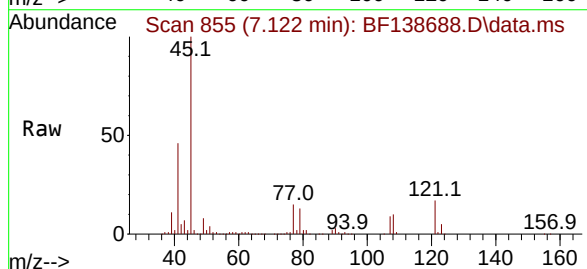
Tgt Ion: 45 Resp: 378258

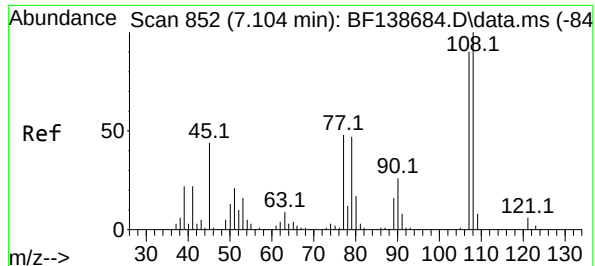
Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.9

79 12.7 0.0 32.2

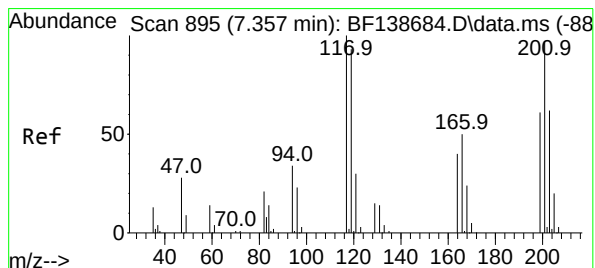
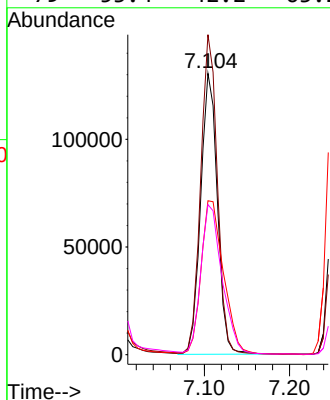
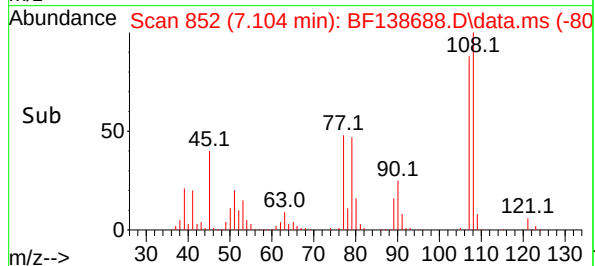
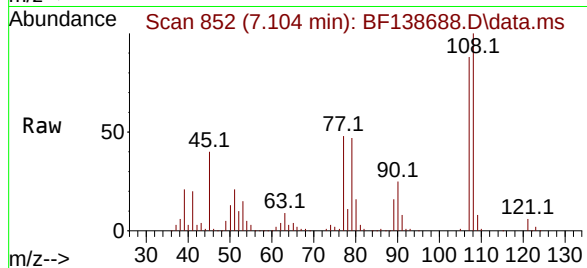




#17
2-Methylphenol
Concen: 38.649 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

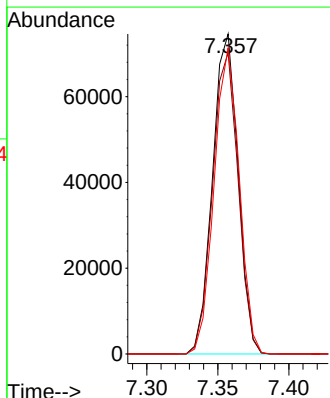
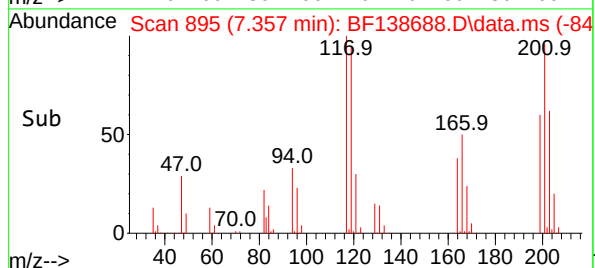
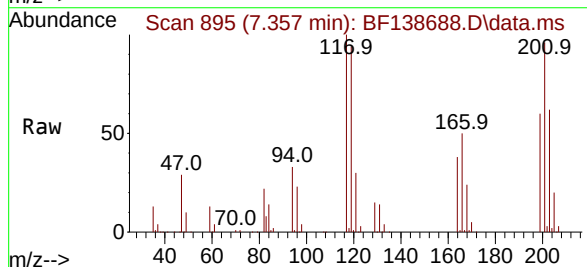
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

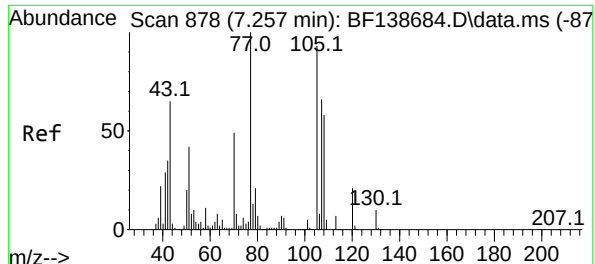
Tgt Ion:107 Resp: 177941
Ion Ratio Lower Upper
107 100
108 113.7 89.2 133.8
77 54.7 43.0 64.4
79 53.4 42.2 63.2



#18
Hexachloroethane
Concen: 39.384 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:117 Resp: 93375
Ion Ratio Lower Upper
117 100
119 94.1 74.6 111.8
201 95.7 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 37.442 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

Tgt Ion: 70 Resp: 160901

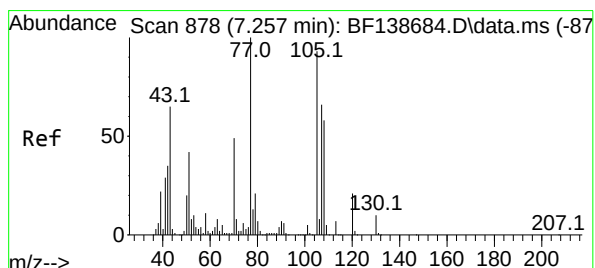
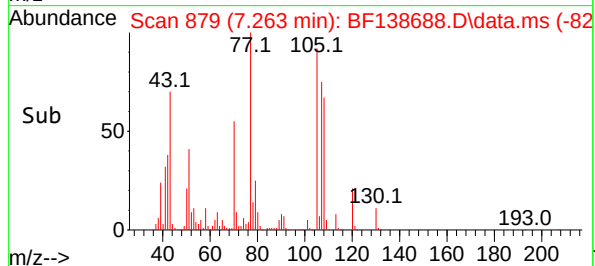
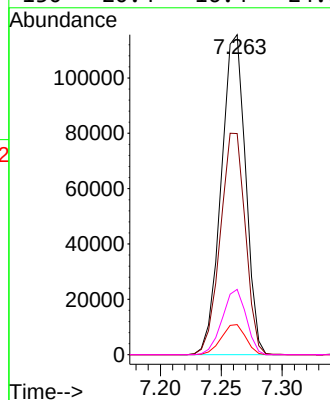
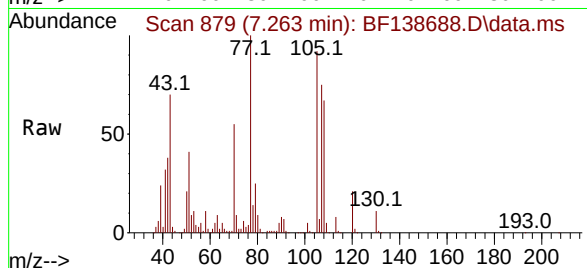
Ion Ratio Lower Upper

70 100

42 69.1 57.4 86.0

101 9.4 7.5 11.3

130 20.4 16.4 24.6



#20

3+4-Methylphenols

Concen: 37.436 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Tgt Ion: 107 Resp: 221138

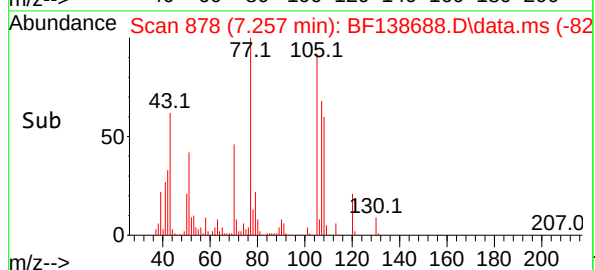
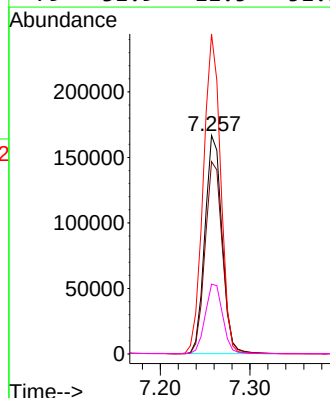
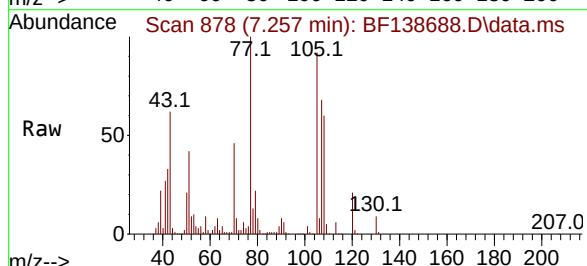
Ion Ratio Lower Upper

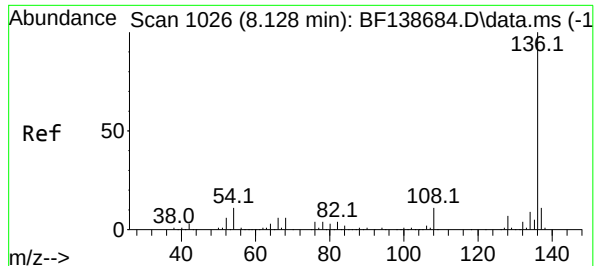
107 100

108 88.0 68.2 108.2

77 146.4 132.1 172.1

79 31.9 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138688.D

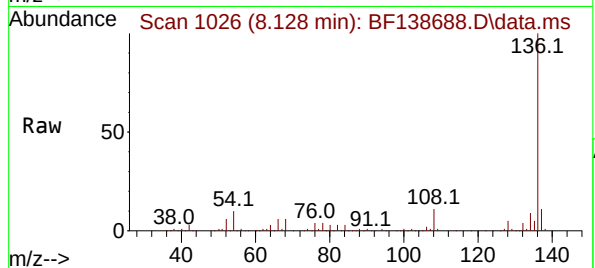
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



Tgt Ion:136 Resp: 316107

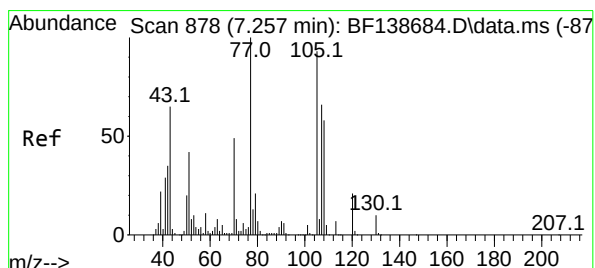
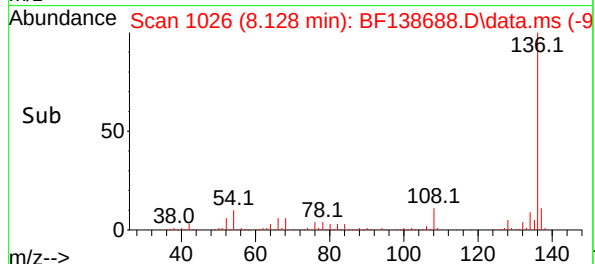
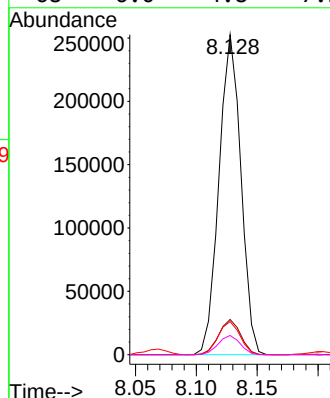
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.4 8.6 12.8

68 6.0 4.8 7.2



#22

Acetophenone

Concen: 39.095 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Tgt Ion:105 Resp: 302593

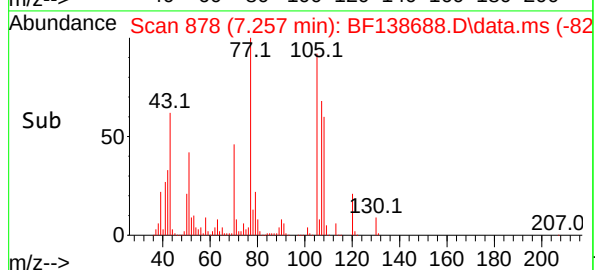
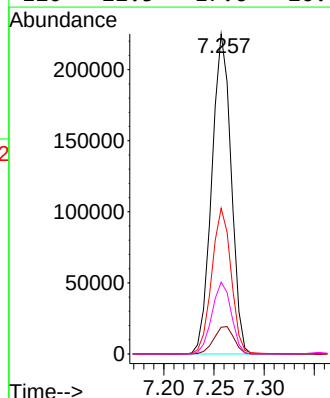
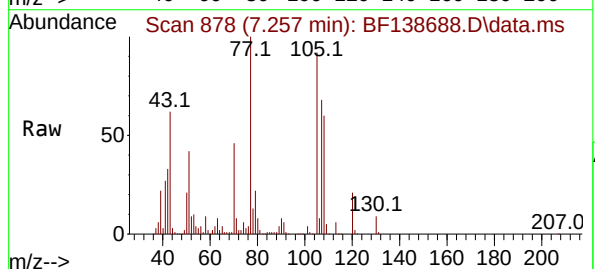
Ion Ratio Lower Upper

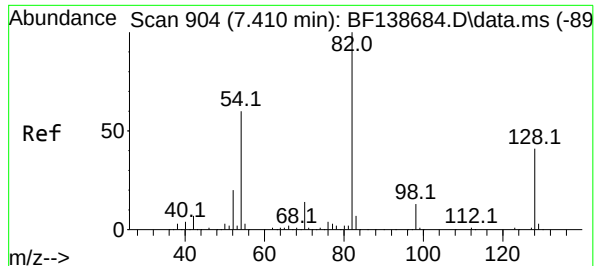
105 100

71 8.3 7.2 10.8

51 45.6 35.9 53.9

120 22.5 17.6 26.4





#23

Nitrobenzene-d5

Concen: 80.424 ng

RT: 7.410 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

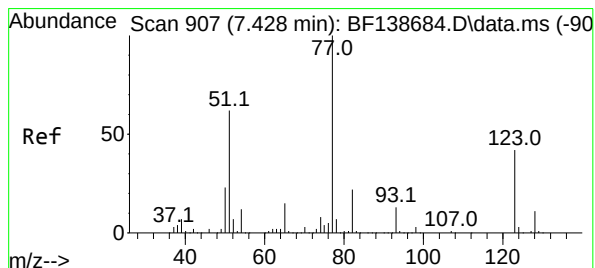
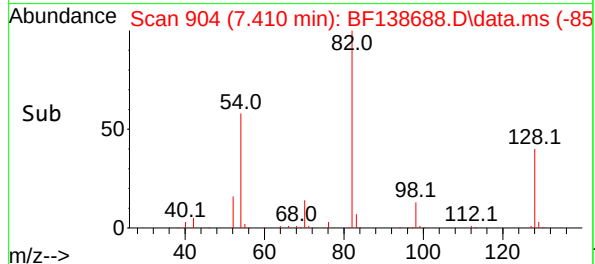
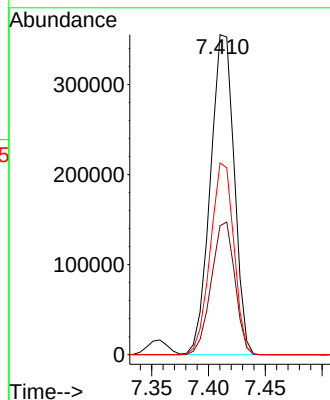
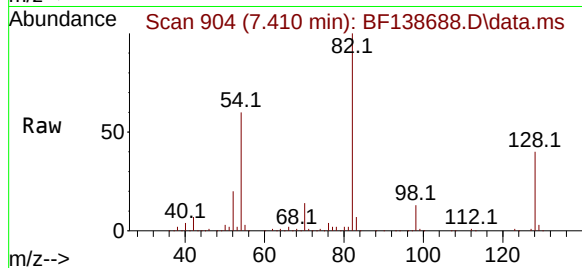
Tgt Ion: 82 Resp: 519984

Ion Ratio Lower Upper

82 100

128 40.3 32.8 49.2

54 59.9 48.3 72.5



#24

Nitrobenzene

Concen: 39.882 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

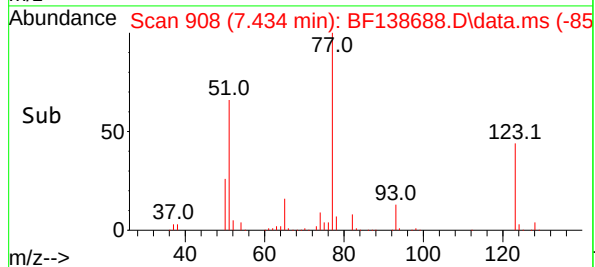
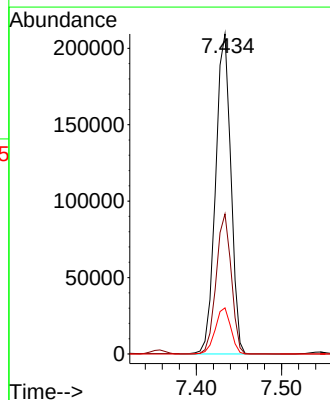
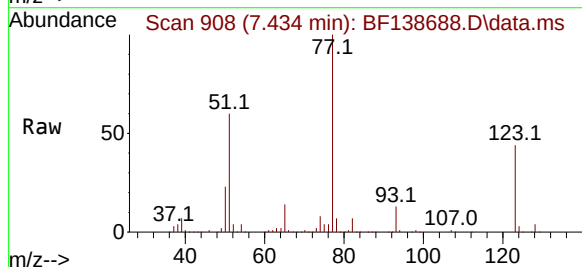
Tgt Ion: 77 Resp: 262386

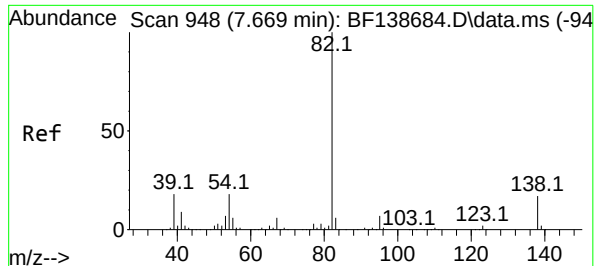
Ion Ratio Lower Upper

77 100

123 43.7 33.3 49.9

65 14.4 11.9 17.9





#25

Isophorone

Concen: 39.275 ng

RT: 7.669 min Scan# 948

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

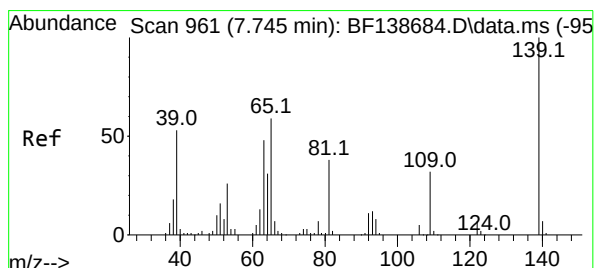
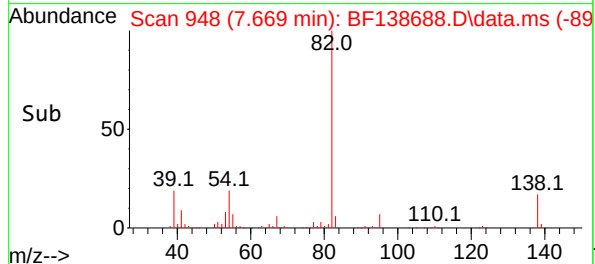
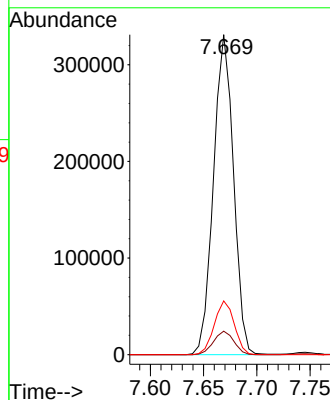
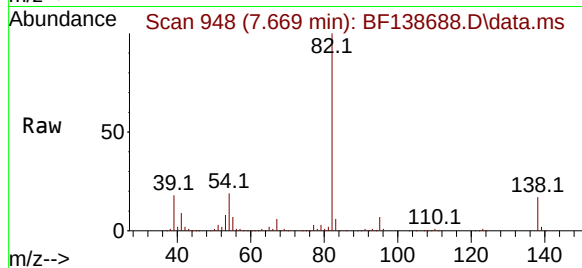
BNA_F

ClientSampleId :

ICVBF073024

Tgt Ion: 82 Resp: 433596

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.7	8.5
138	16.8	13.7	20.5



#26

2-Nitrophenol

Concen: 40.668 ng

RT: 7.745 min Scan# 961

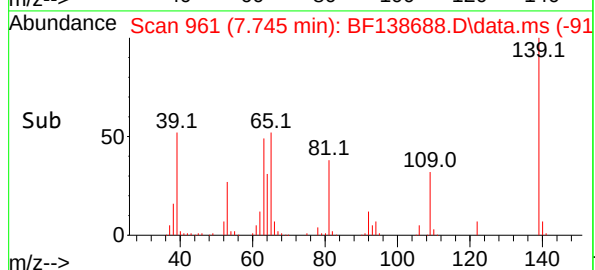
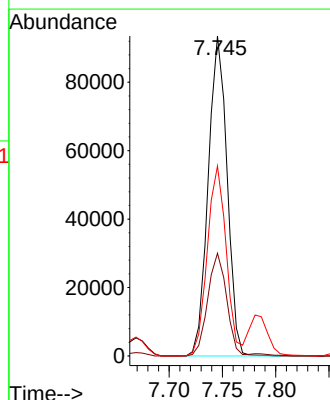
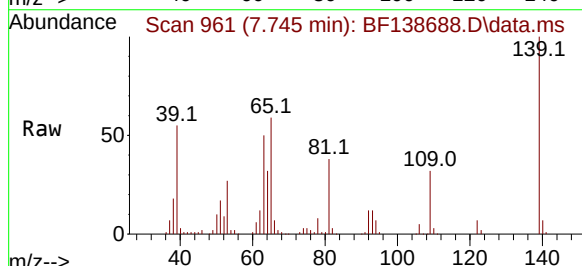
Delta R.T. 0.000 min

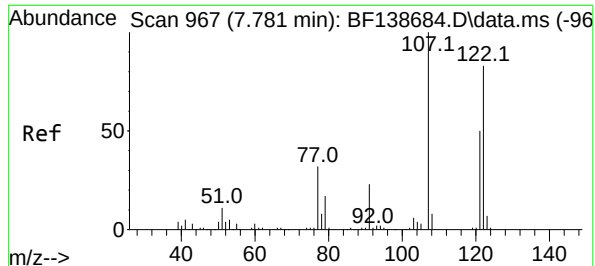
Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Tgt Ion: 139 Resp: 115113

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.9	38.9
65	59.3	47.0	70.6





#27

2,4-Dimethylphenol

Concen: 40.231 ng

RT: 7.787 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

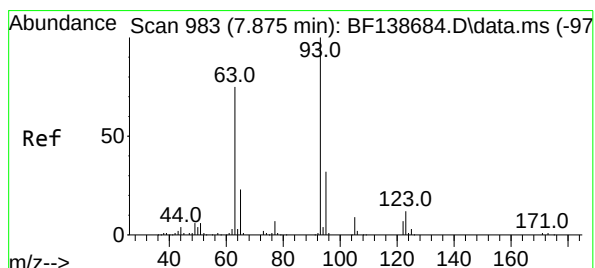
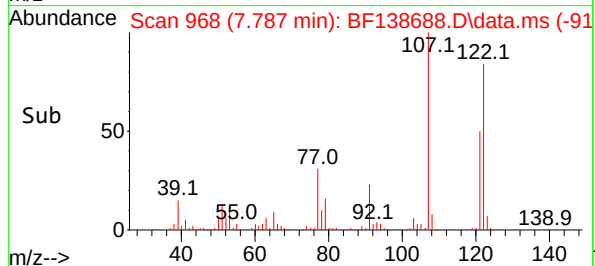
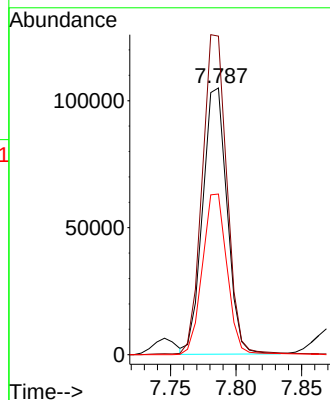
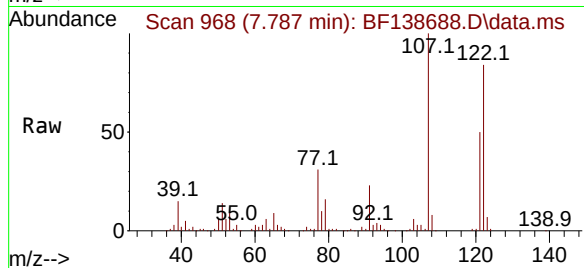
Tgt Ion:122 Resp: 136249

Ion Ratio Lower Upper

122 100

107 119.4 95.0 142.6

121 60.2 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 39.557 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

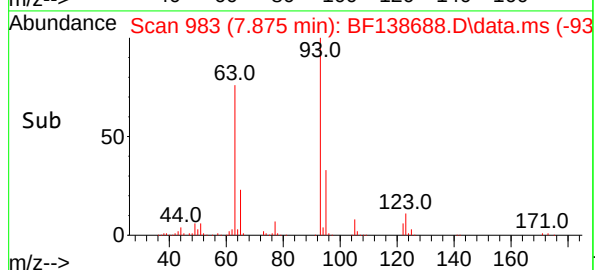
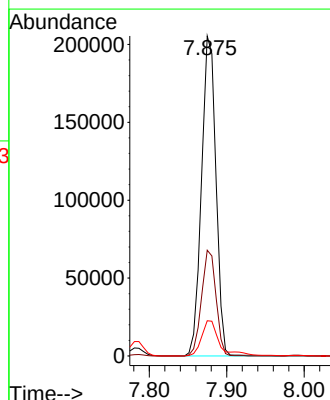
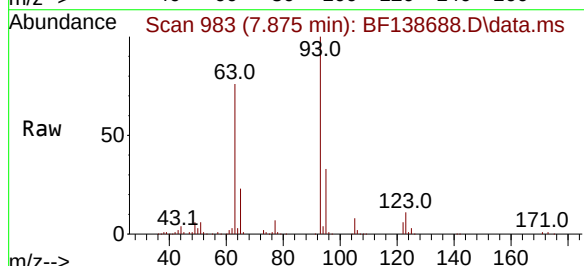
Tgt Ion: 93 Resp: 265943

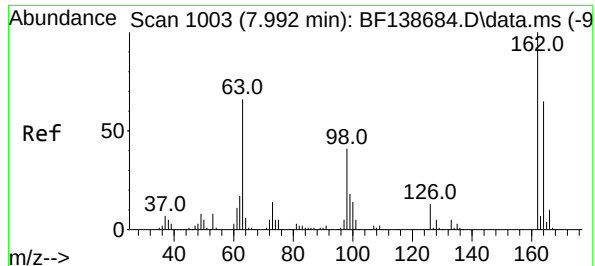
Ion Ratio Lower Upper

93 100

95 33.1 25.8 38.8

123 11.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.567 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

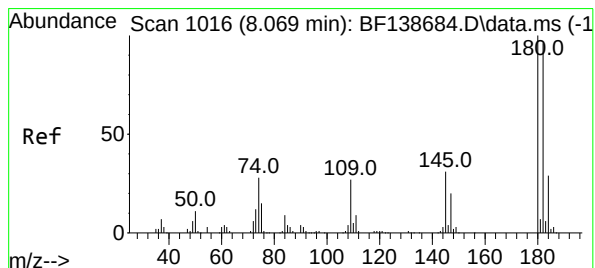
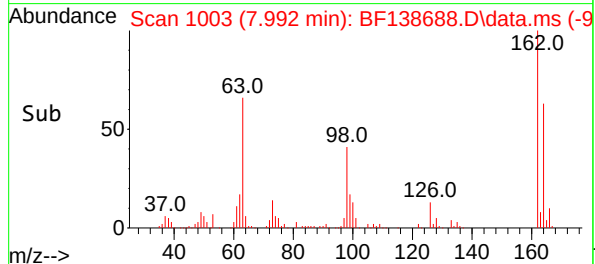
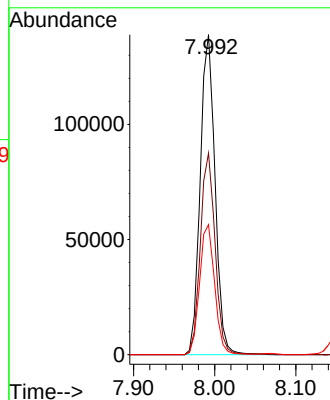
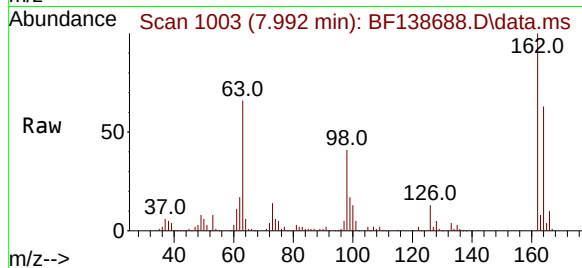
Tgt Ion:162 Resp: 176541

Ion Ratio Lower Upper

162 100

164 63.0 44.7 84.7

98 40.7 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 39.651 ng

RT: 8.069 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

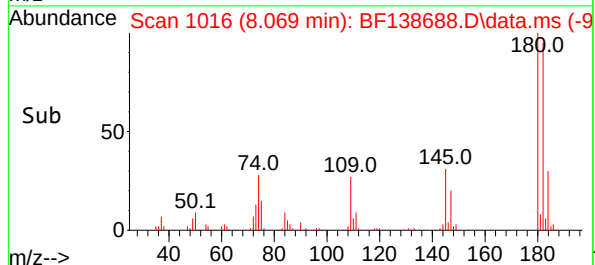
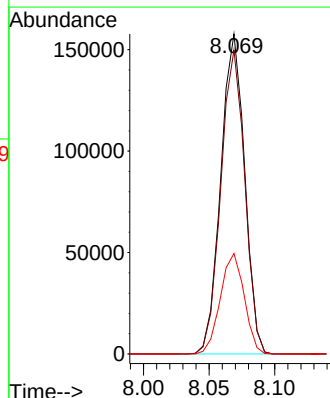
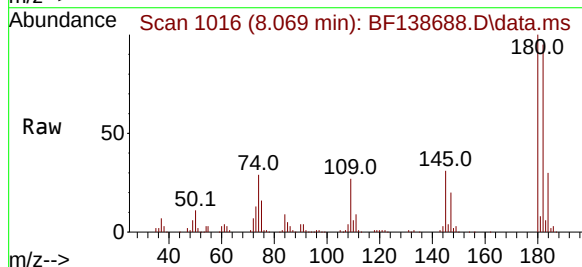
Tgt Ion:180 Resp: 199132

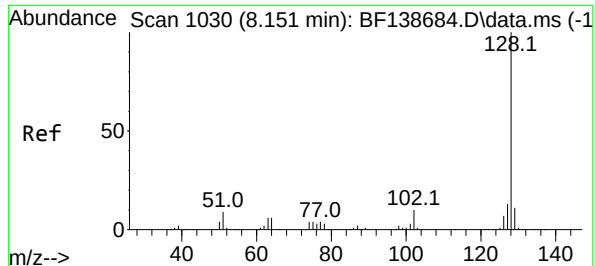
Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 31.4 25.0 37.4





#31

Naphthalene

Concen: 39.232 ng

RT: 8.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

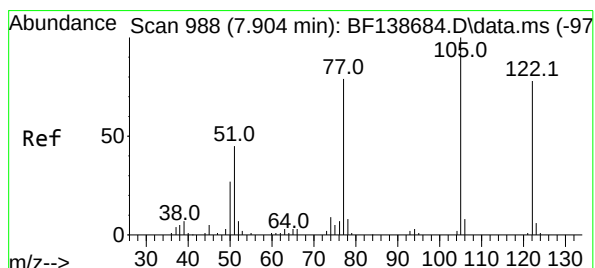
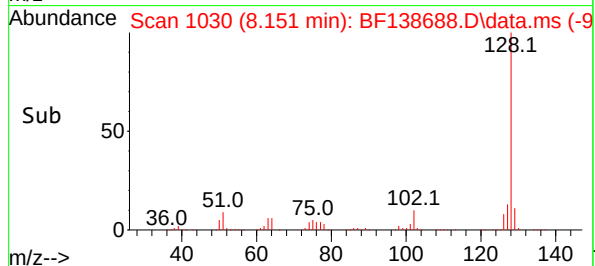
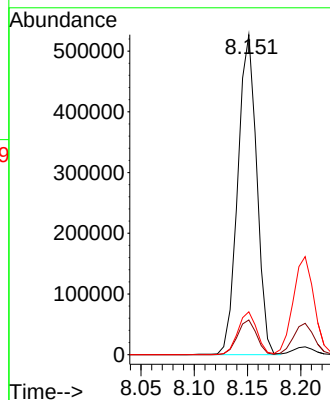
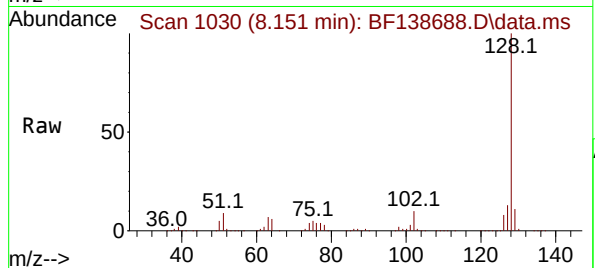
Tgt Ion:128 Resp: 652780

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 41.481 ng

RT: 7.916 min Scan# 990

Delta R.T. 0.012 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

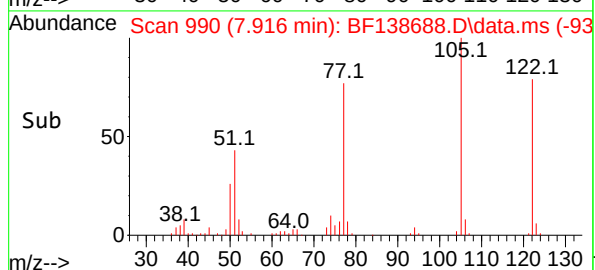
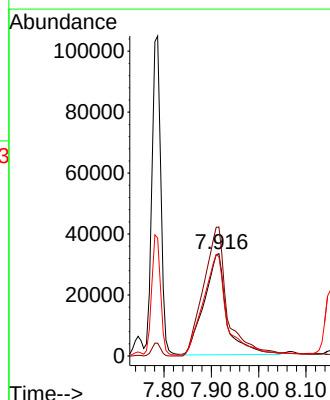
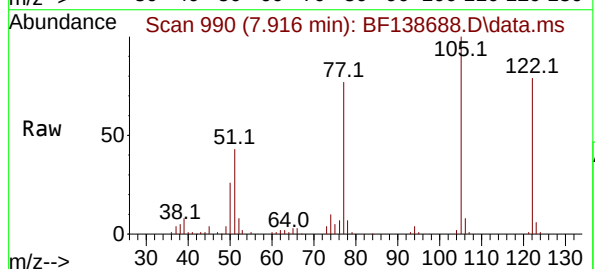
Tgt Ion:122 Resp: 110429

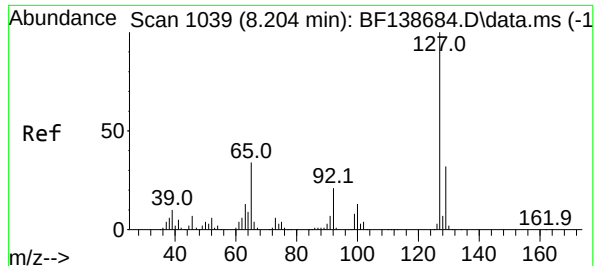
Ion Ratio Lower Upper

122 100

105 126.2 106.7 146.7

77 97.2 81.1 121.1





#33

4-Chloroaniline

Concen: 40.067 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

Tgt Ion:127 Resp: 223787

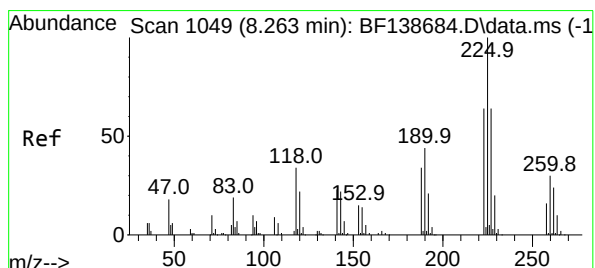
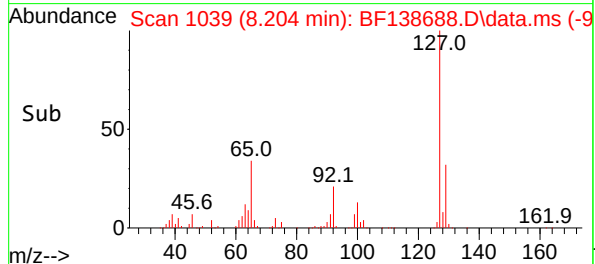
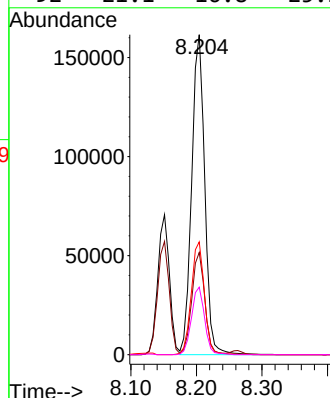
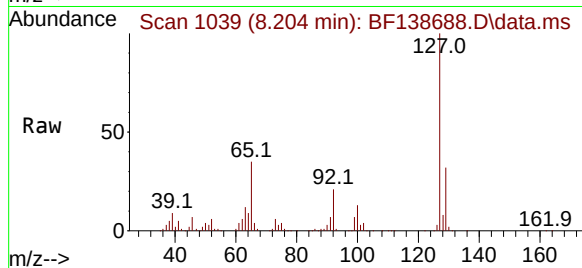
Ion Ratio Lower Upper

127 100

129 32.0 25.9 38.9

65 35.2 27.6 41.4

92 21.1 16.8 25.2



#34

Hexachlorobutadiene

Concen: 40.772 ng

RT: 8.263 min Scan# 1049

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

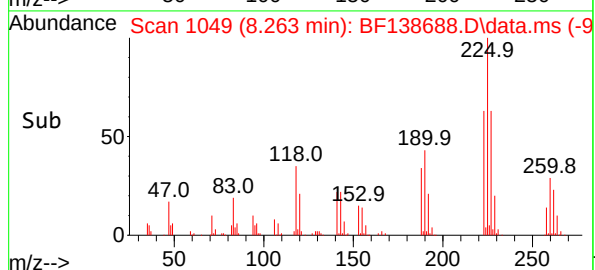
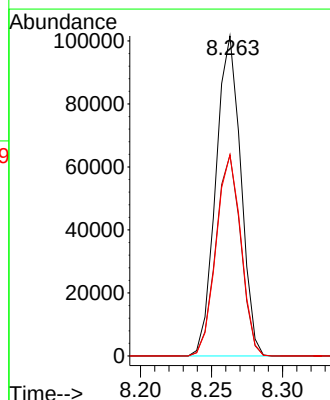
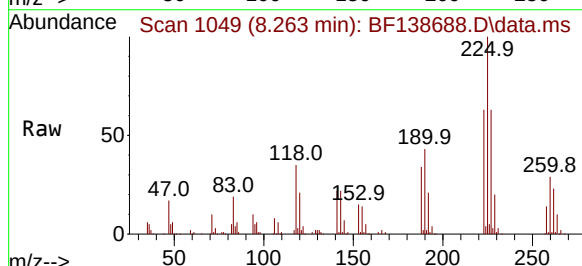
Tgt Ion:225 Resp: 124022

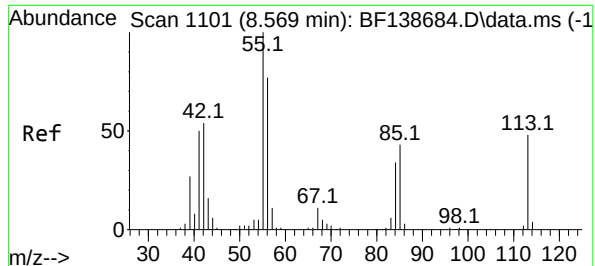
Ion Ratio Lower Upper

225 100

223 62.8 51.2 76.8

227 62.9 51.1 76.7

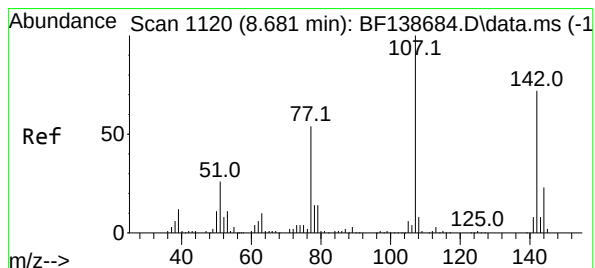
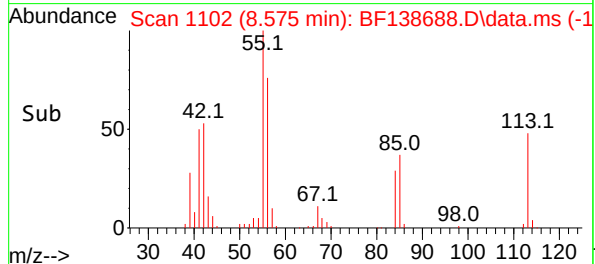
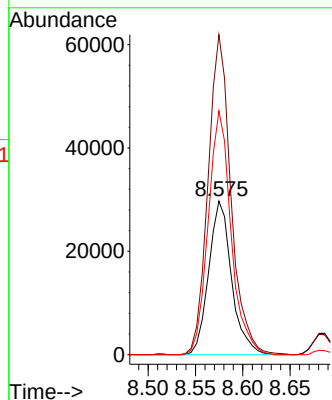
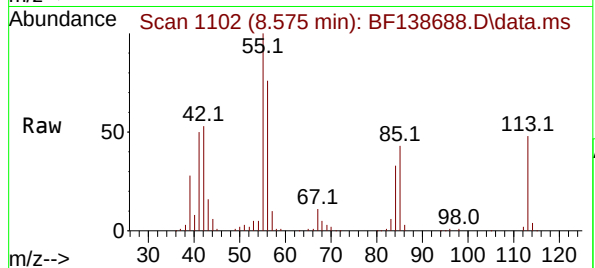




#35
Caprolactam
Concen: 38.365 ng
RT: 8.575 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

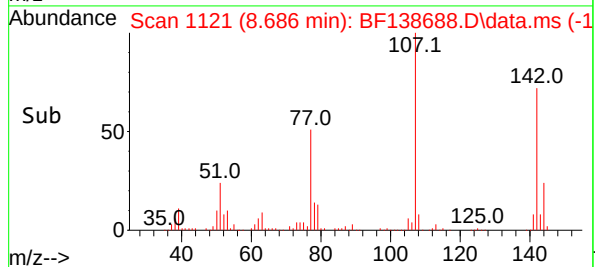
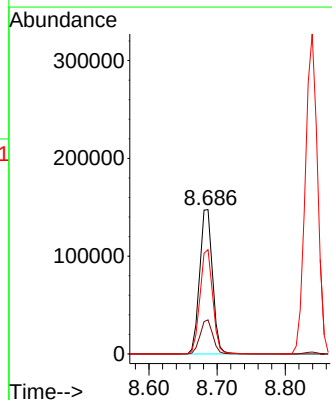
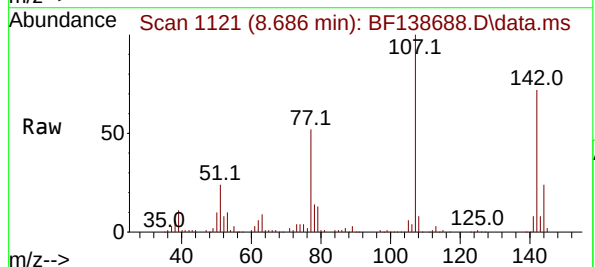
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

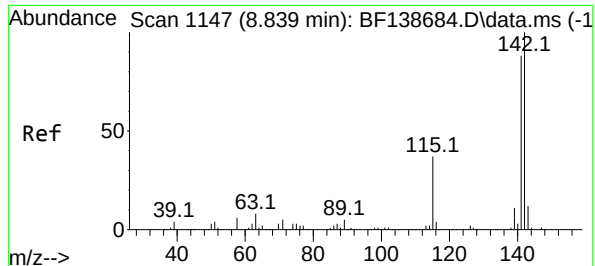
Tgt Ion:113 Resp: 49818
Ion Ratio Lower Upper
113 100
55 208.2 186.7 226.7
56 158.6 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 39.164 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:107 Resp: 194782
Ion Ratio Lower Upper
107 100
144 23.6 18.2 27.2
142 72.3 57.4 86.2





#37

2-Methylnaphthalene

Concen: 38.836 ng

RT: 8.839 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

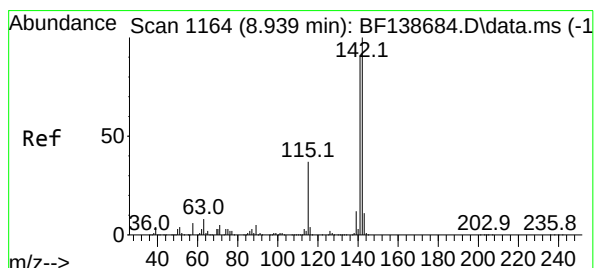
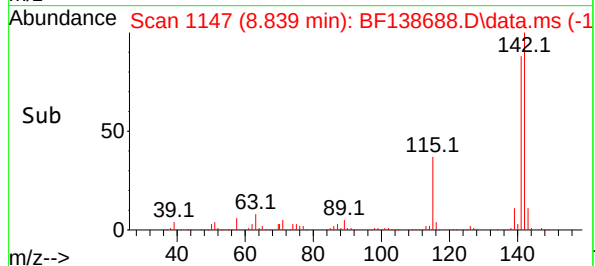
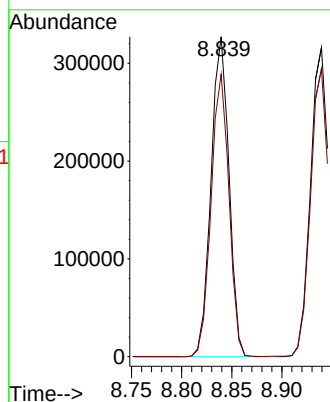
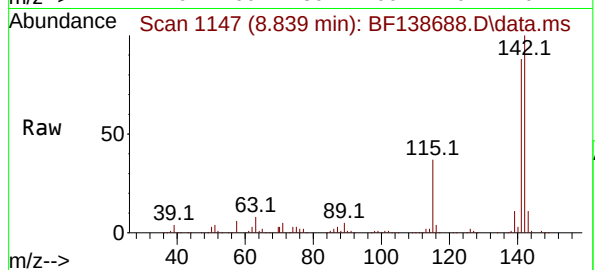
ICVBF073024

Tgt Ion:142 Resp: 408106

Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2



#38

1-Methylnaphthalene

Concen: 38.666 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF138688.D

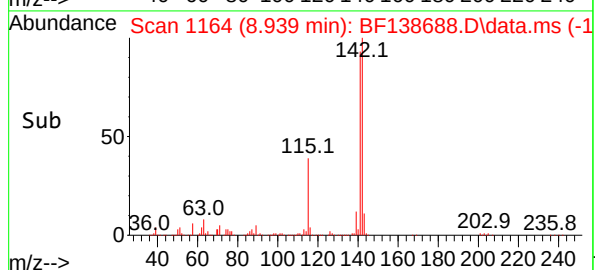
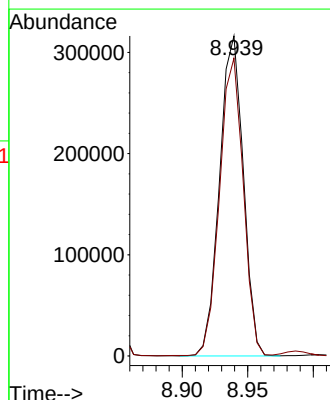
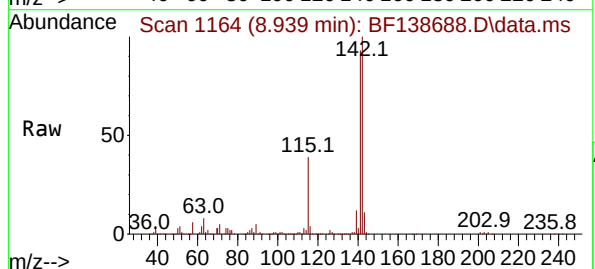
Acq: 30 Jul 2024 17:55

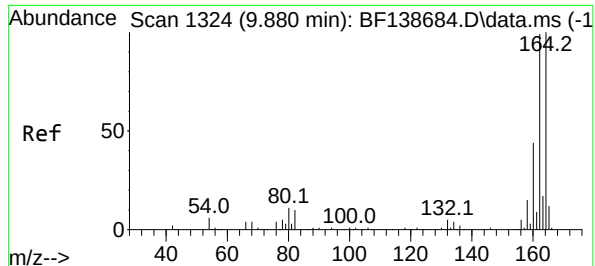
Tgt Ion:142 Resp: 398155

Ion Ratio Lower Upper

142 100

141 93.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

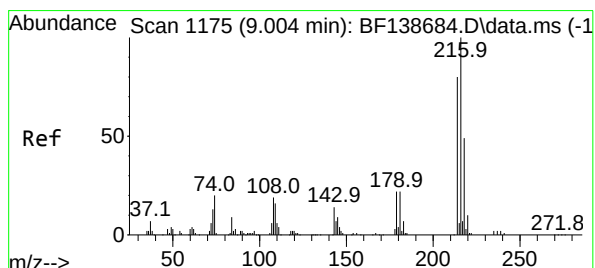
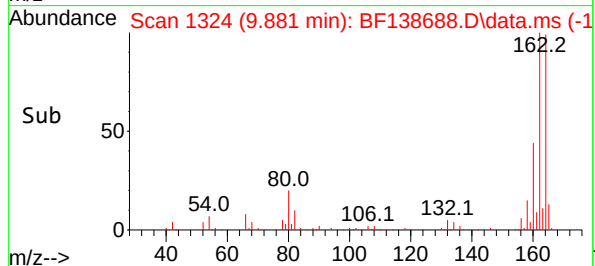
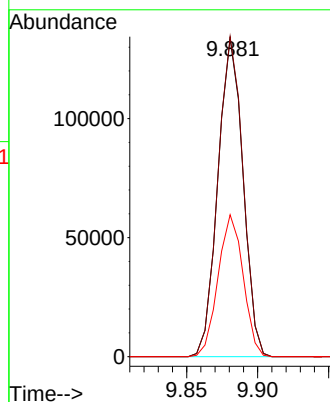
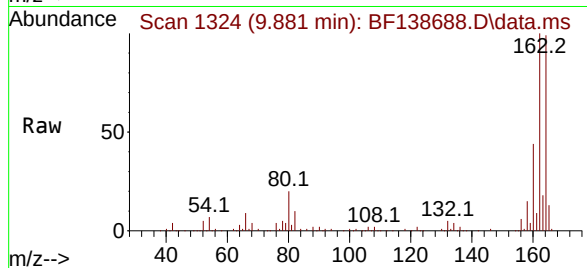
Tgt Ion:164 Resp: 164062

Ion Ratio Lower Upper

164 100

162 100.6 79.4 119.0

160 44.6 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.554 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Tgt Ion:216 Resp: 184821

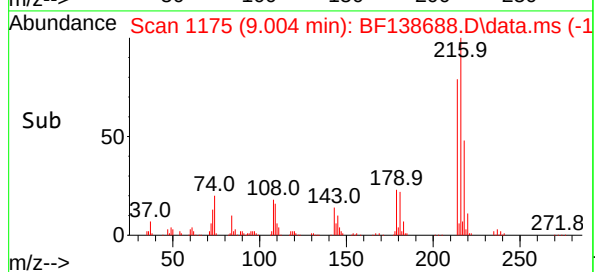
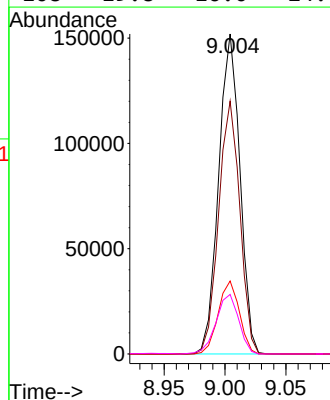
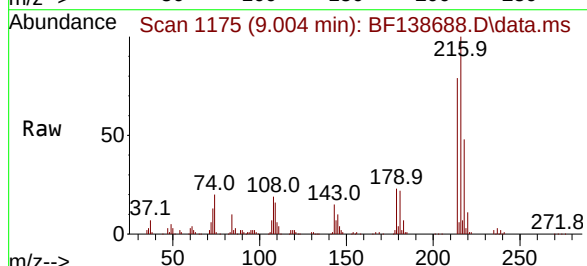
Ion Ratio Lower Upper

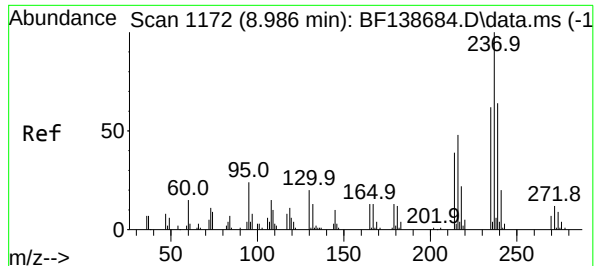
216 100

214 78.7 63.9 95.9

179 22.6 17.8 26.6

108 19.8 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 42.278 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

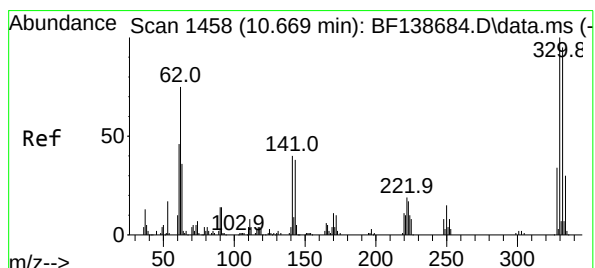
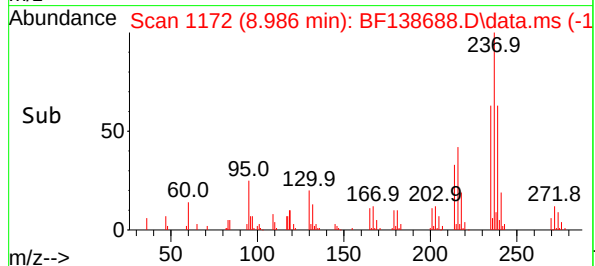
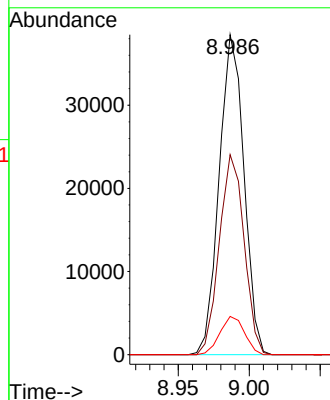
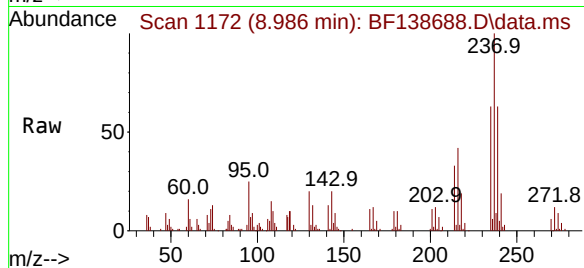
Tgt Ion:237 Resp: 46660

Ion Ratio Lower Upper

237 100

235 62.5 41.8 81.8

272 11.9 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 77.401 ng

RT: 10.675 min Scan# 1459

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

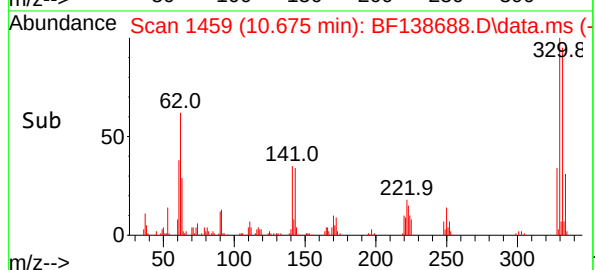
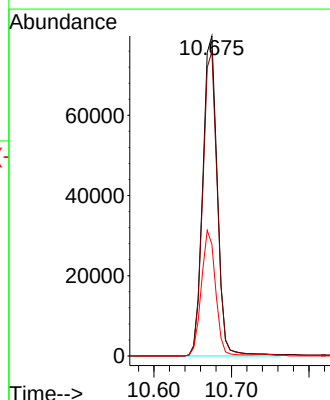
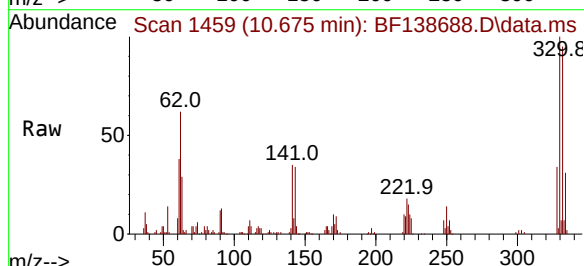
Tgt Ion:330 Resp: 104018

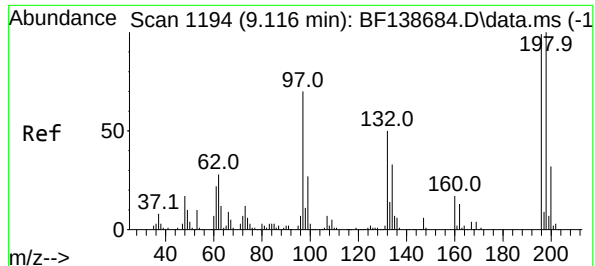
Ion Ratio Lower Upper

330 100

332 96.6 76.4 114.6

141 38.5 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 40.384 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF138688.D

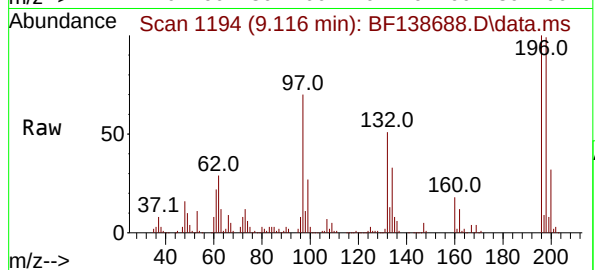
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



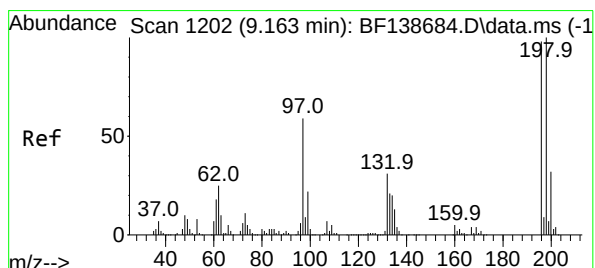
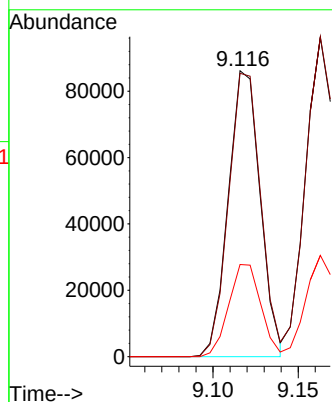
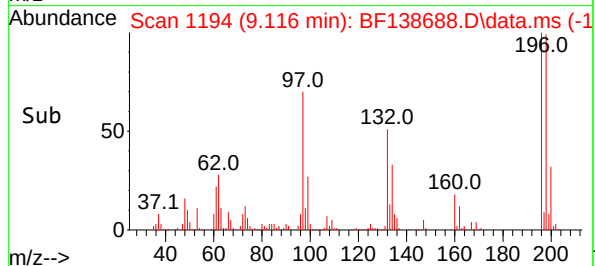
Tgt Ion:196 Resp: 112217

Ion Ratio Lower Upper

196 100

198 99.1 80.5 120.7

200 32.2 25.9 38.9



#44

2,4,5-Trichlorophenol

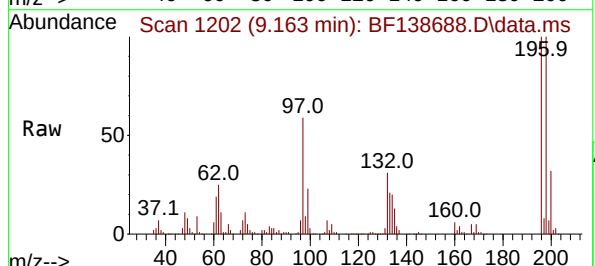
Concen: 41.011 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55



Tgt Ion:196 Resp: 124581

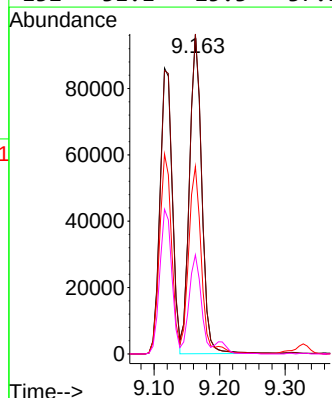
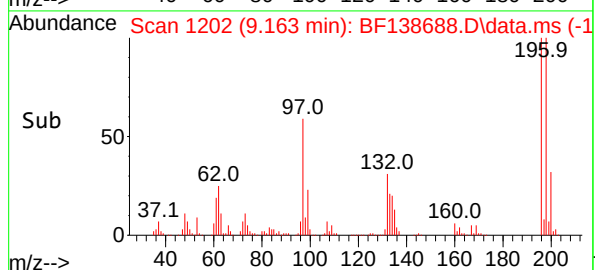
Ion Ratio Lower Upper

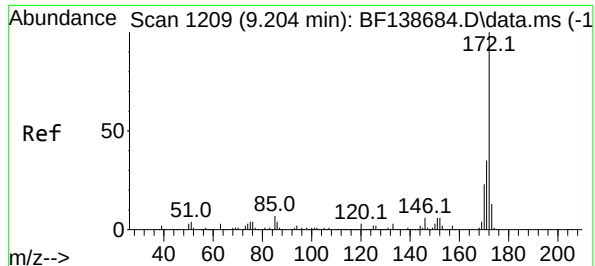
196 100

198 100.3 81.2 121.8

97 58.7 47.8 71.6

132 31.1 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 78.500 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

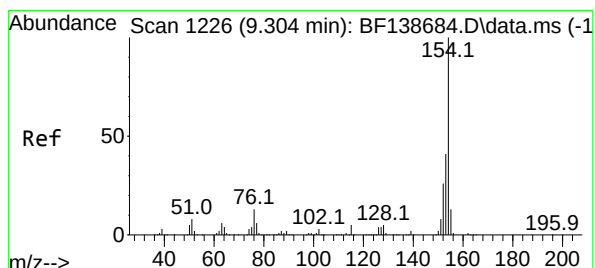
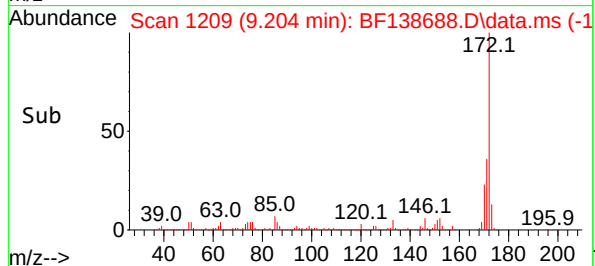
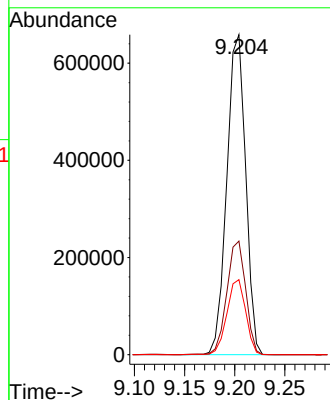
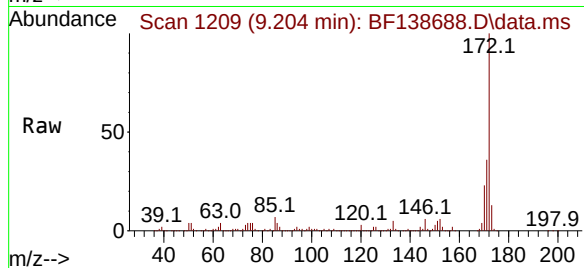
Tgt Ion:172 Resp: 857165

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 40.156 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

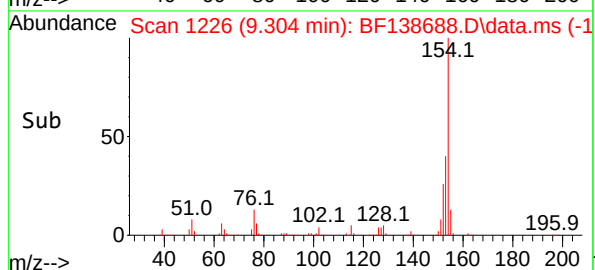
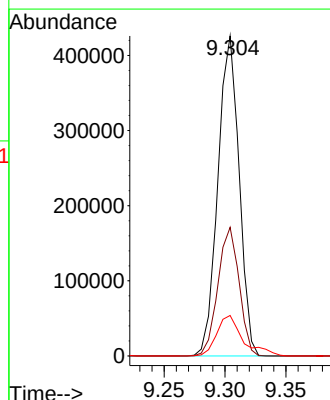
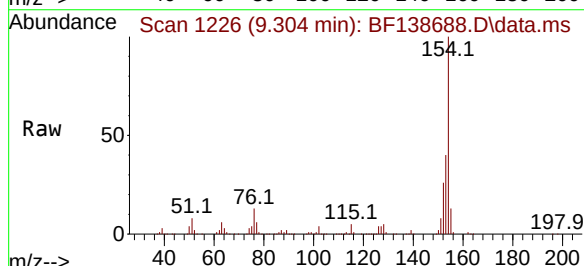
Tgt Ion:154 Resp: 515966

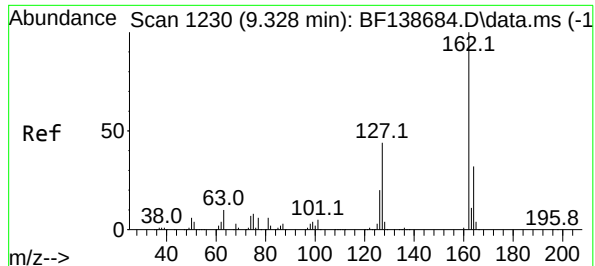
Ion Ratio Lower Upper

154 100

153 40.2 20.8 60.8

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 39.966 ng

RT: 9.328 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

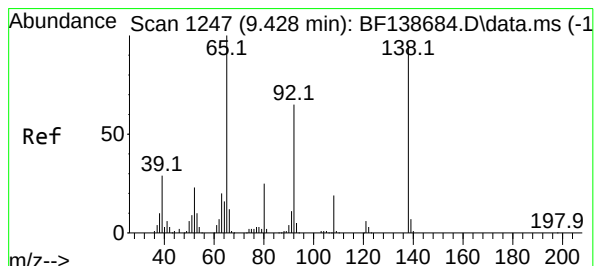
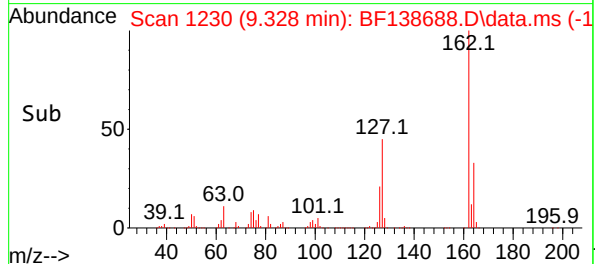
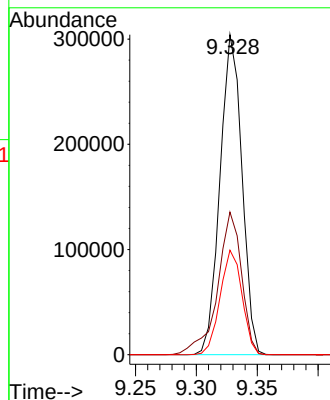
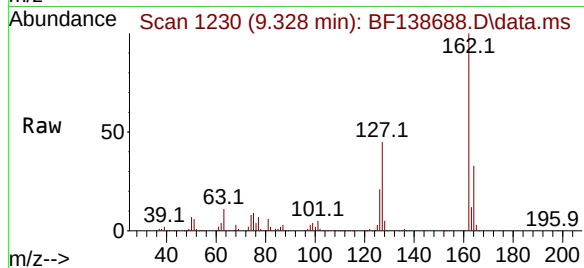
Tgt Ion:162 Resp: 381923

Ion Ratio Lower Upper

162 100

127 44.5 35.4 53.2

164 32.6 25.6 38.4



#48

2-Nitroaniline

Concen: 39.505 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

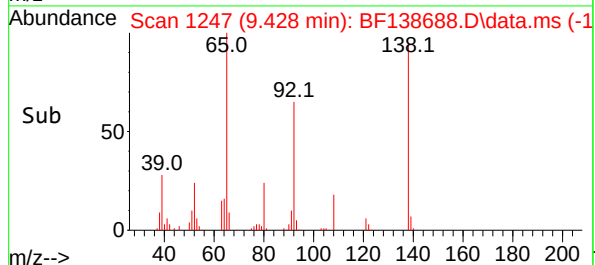
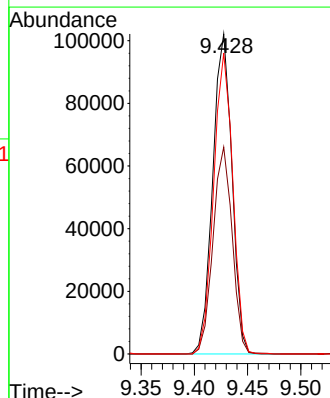
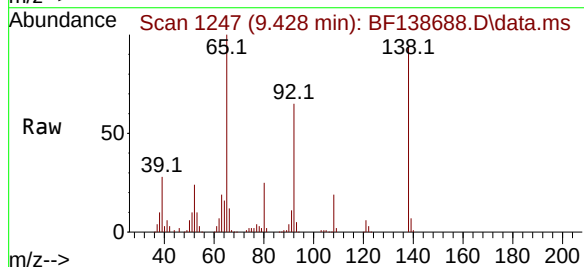
Tgt Ion: 65 Resp: 127985

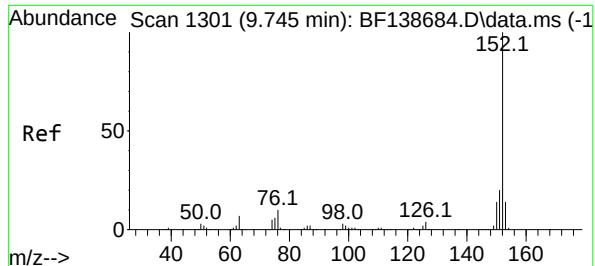
Ion Ratio Lower Upper

65 100

92 64.6 52.0 78.0

138 94.1 76.2 114.4





#49

Acenaphthylene

Concen: 39.504 ng

RT: 9.745 min Scan# 1301

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

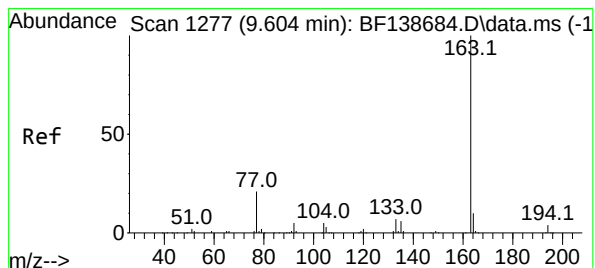
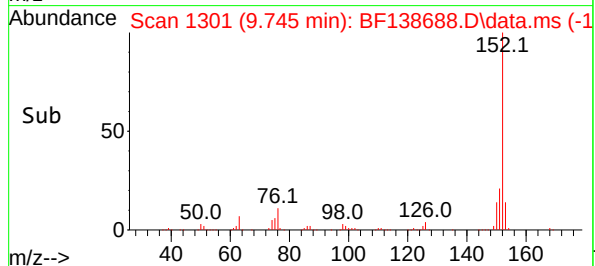
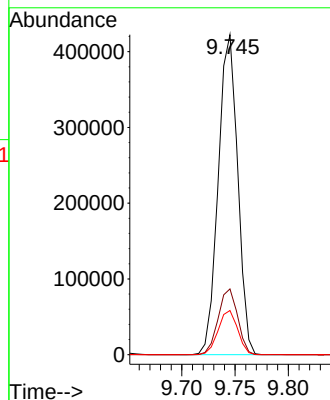
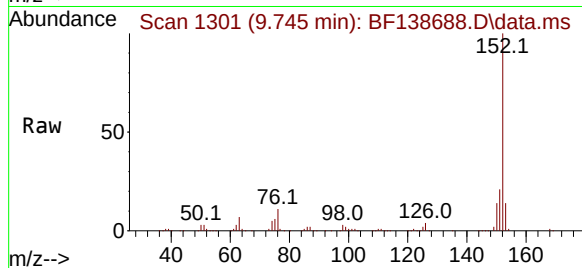
Tgt Ion:152 Resp: 535427

Ion Ratio Lower Upper

152 100

151 20.6 16.0 24.0

153 13.8 11.0 16.4



#50

Dimethylphthalate

Concen: 38.458 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

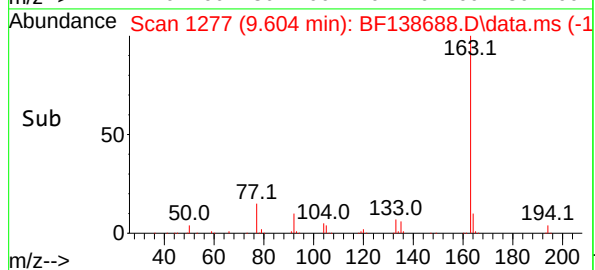
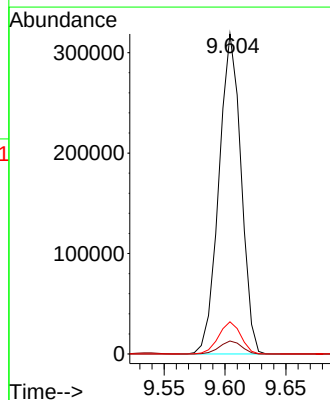
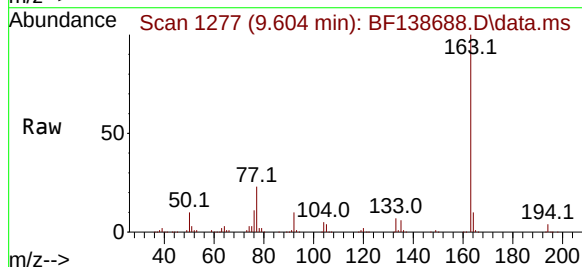
Tgt Ion:163 Resp: 403438

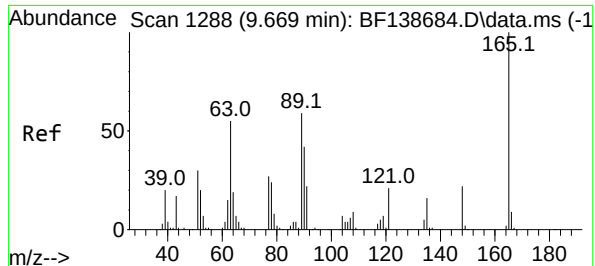
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.1 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 39.895 ng

RT: 9.669 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

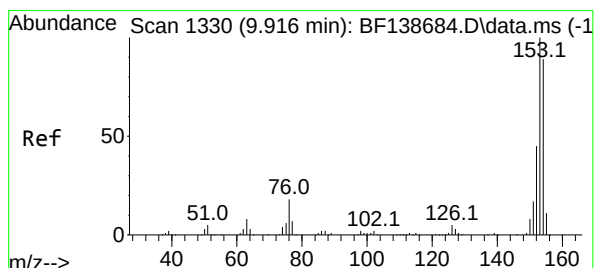
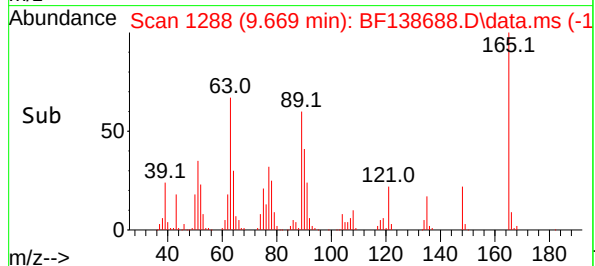
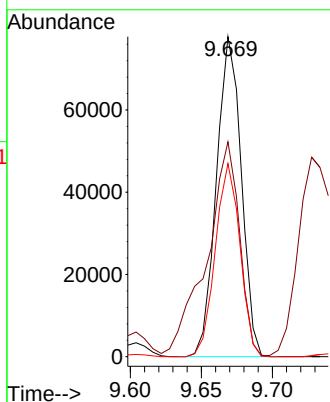
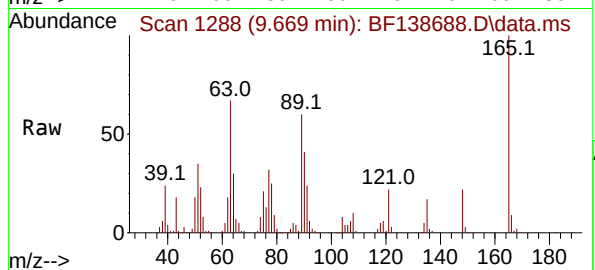
Tgt Ion:165 Resp: 94451

Ion Ratio Lower Upper

165 100

63 67.1 52.0 78.0

89 60.3 47.0 70.6



#52

Acenaphthene

Concen: 39.456 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

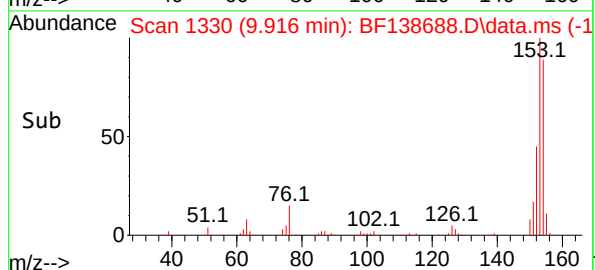
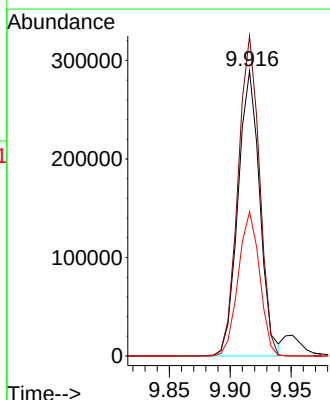
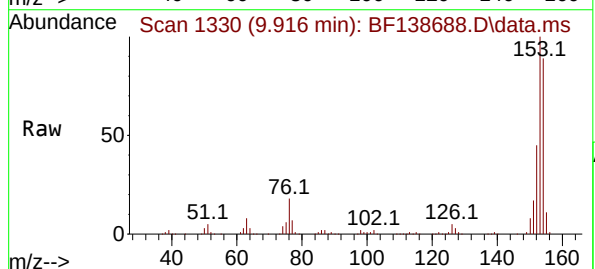
Tgt Ion:154 Resp: 359484

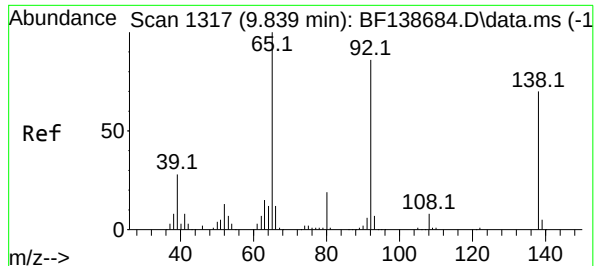
Ion Ratio Lower Upper

154 100

153 112.2 89.9 134.9

152 50.6 40.6 60.8





#53

3-Nitroaniline

Concen: 38.306 ng

RT: 9.839 min Scan# 1317

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

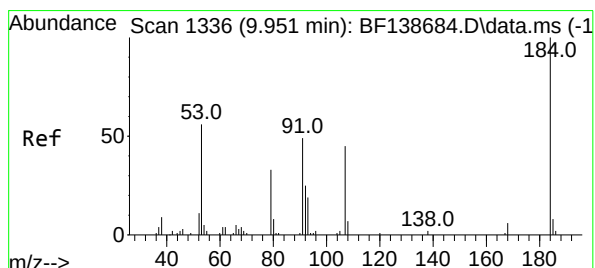
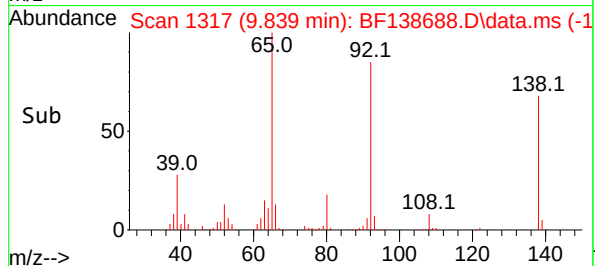
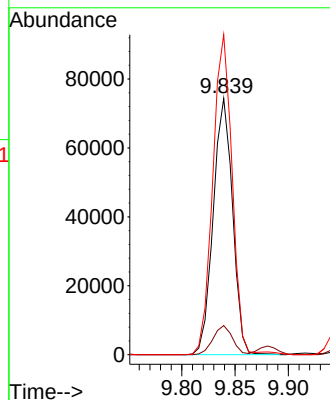
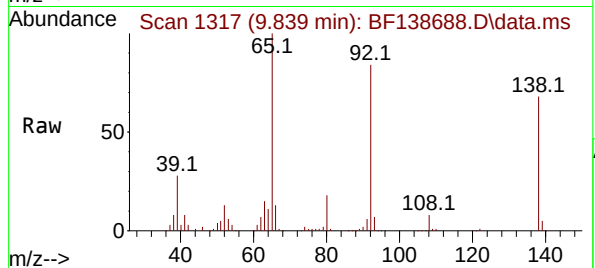
Tgt Ion:138 Resp: 93752

Ion Ratio Lower Upper

138 100

108 11.3 9.1 13.7

92 124.8 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 39.106 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

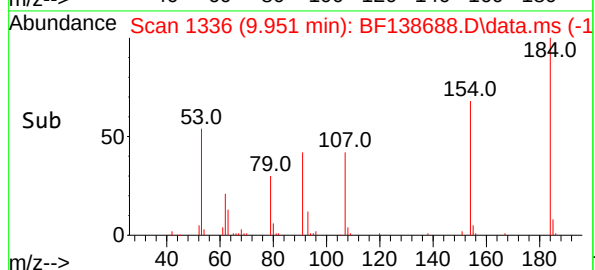
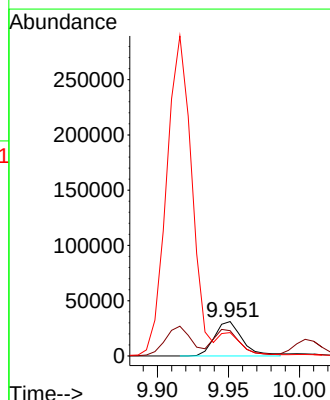
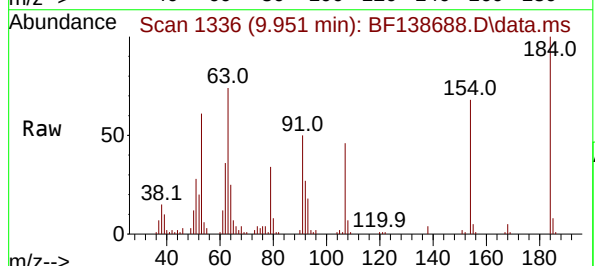
Tgt Ion:184 Resp: 42619

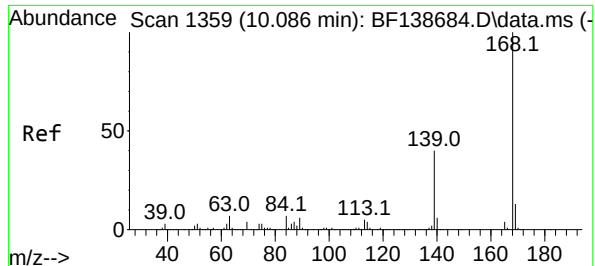
Ion Ratio Lower Upper

184 100

63 73.7 57.5 86.3

154 67.8 51.7 77.5





#55

Dibenzenofuran

Concen: 38.997 ng

RT: 10.086 min Scan# 1359

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

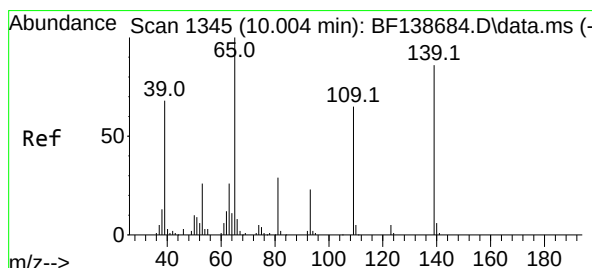
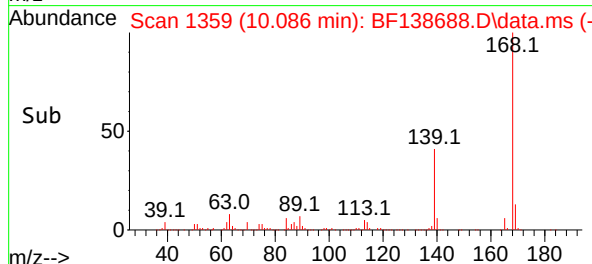
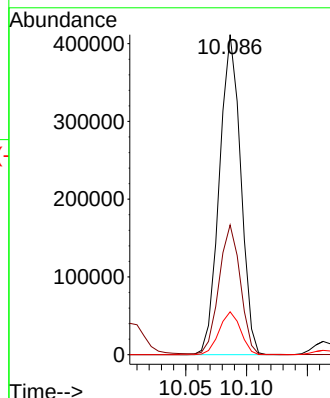
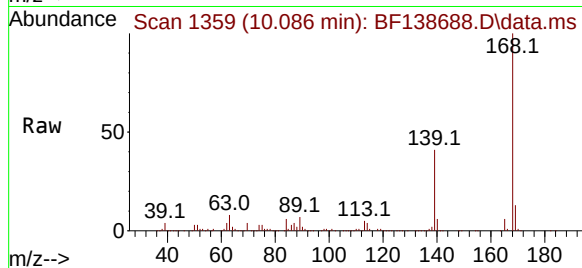
Tgt Ion:168 Resp: 501545

Ion Ratio Lower Upper

168 100

139 40.5 32.6 49.0

169 13.4 10.7 16.1



#56

4-Nitrophenol

Concen: 39.336 ng

RT: 10.004 min Scan# 1345

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

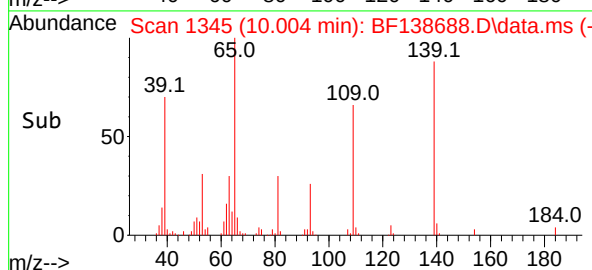
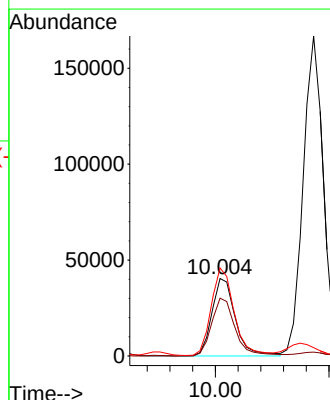
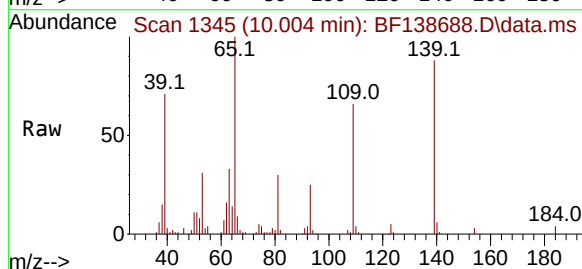
Tgt Ion:139 Resp: 57893

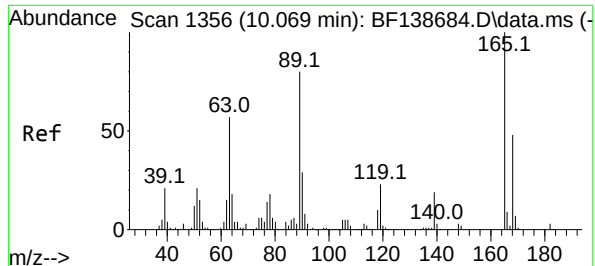
Ion Ratio Lower Upper

139 100

109 74.6 55.5 95.5

65 113.6 96.7 136.7

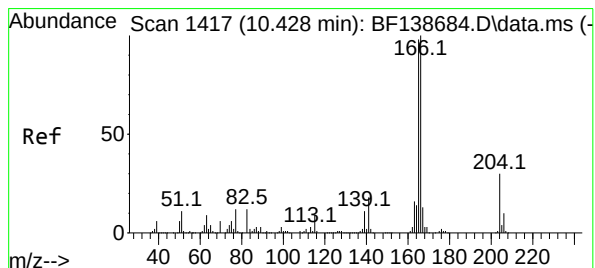
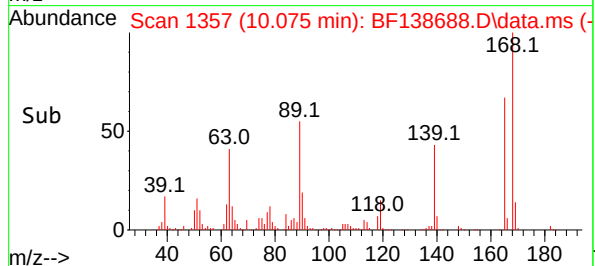
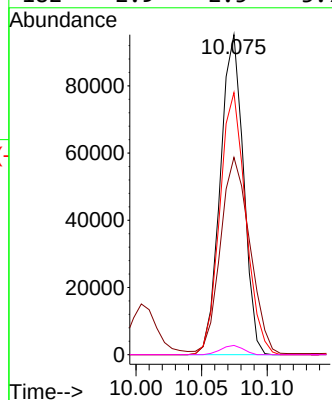
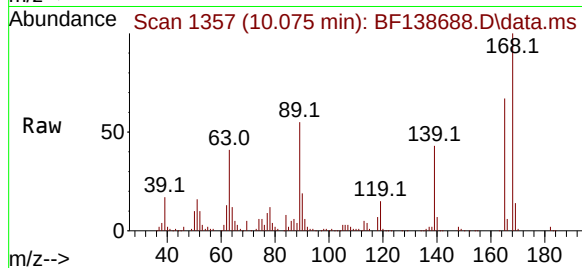




#57
2,4-Dinitrotoluene
Concen: 38.673 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

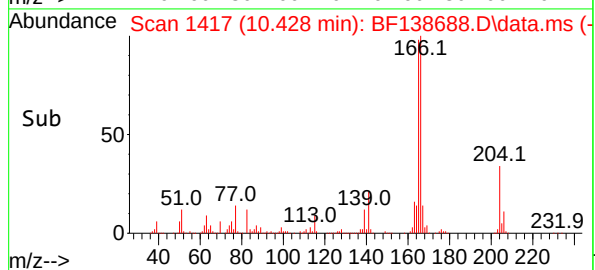
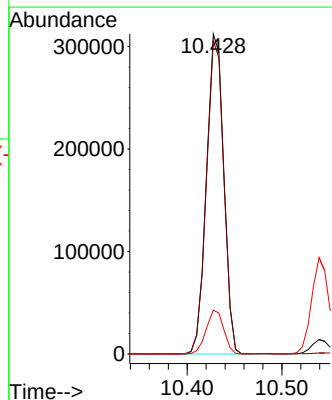
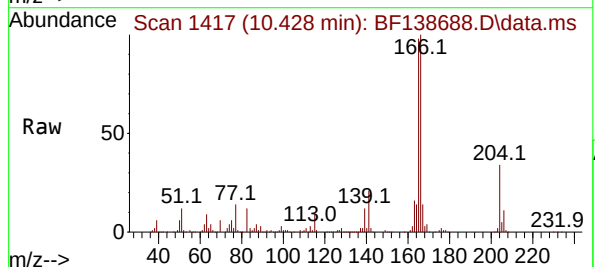
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

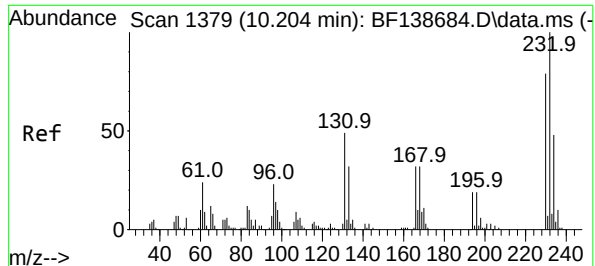
Tgt Ion:165 Resp: 116813
Ion Ratio Lower Upper
165 100
63 61.6 46.3 69.5
89 81.9 64.2 96.4
182 2.9 2.5 3.7



#58
Fluorene
Concen: 38.661 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:166 Resp: 395954
Ion Ratio Lower Upper
166 100
165 98.0 78.4 117.6
167 13.7 10.6 16.0

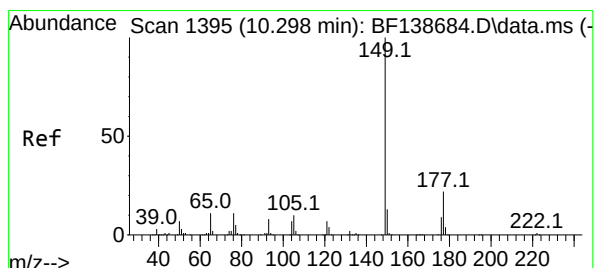
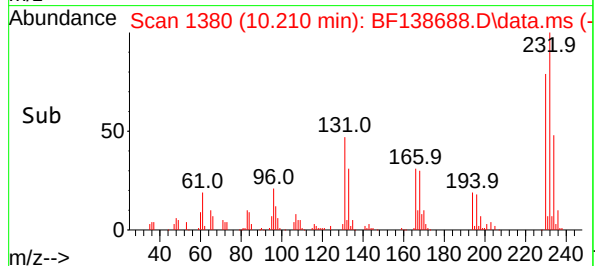
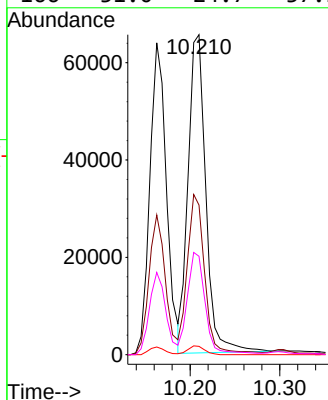
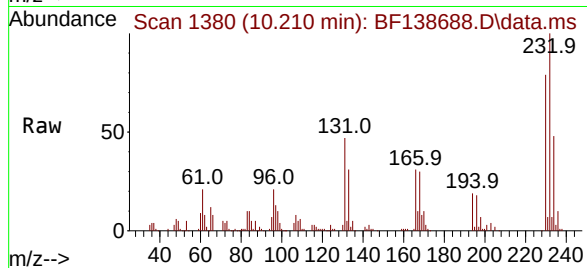




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.680 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

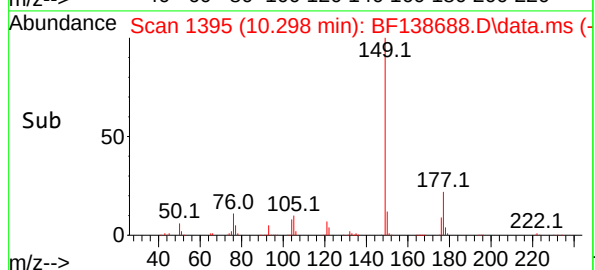
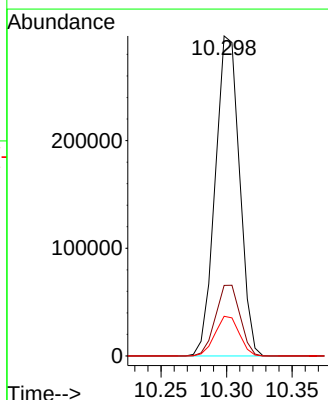
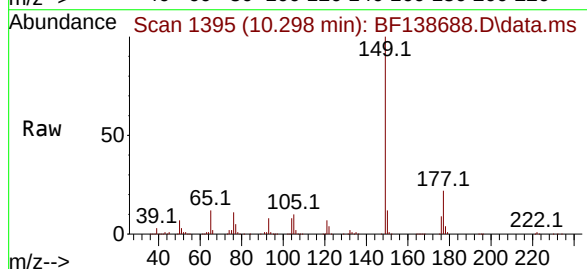
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

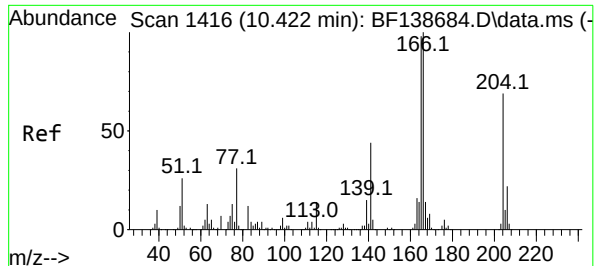
Tgt Ion:232 Resp: 89831
Ion Ratio Lower Upper
232 100
131 49.2 37.0 55.4
130 2.6 2.0 3.0
166 31.0 24.7 37.1



#60
Diethylphthalate
Concen: 38.447 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 382418
Ion Ratio Lower Upper
149 100
177 22.0 17.8 26.8
150 12.4 10.1 15.1

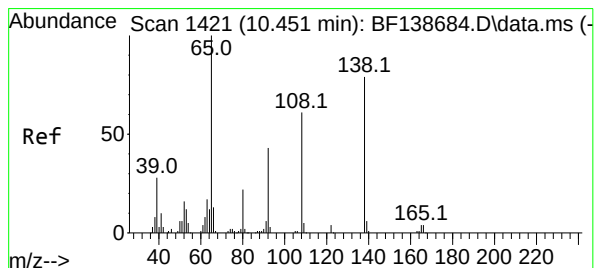
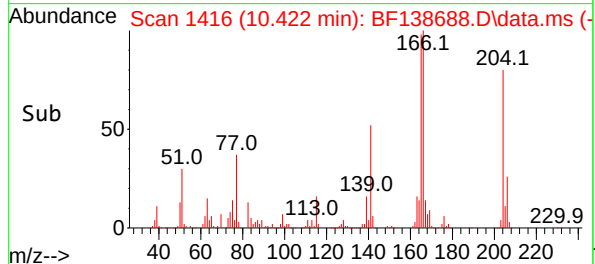
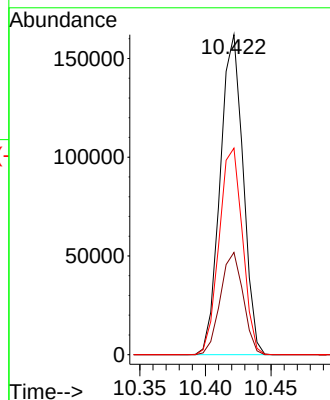
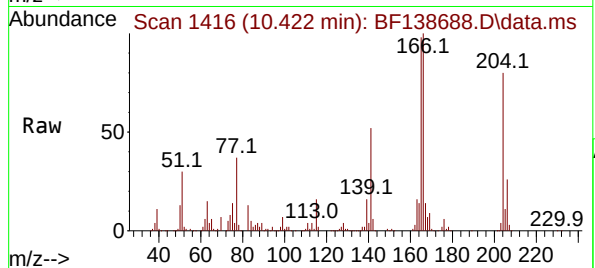




#61
4-Chlorophenyl-phenylether
Concen: 39.091 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

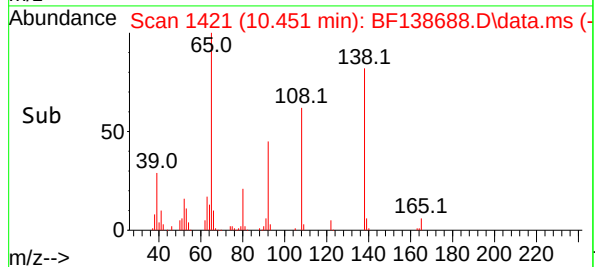
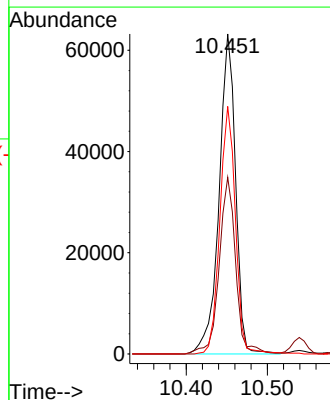
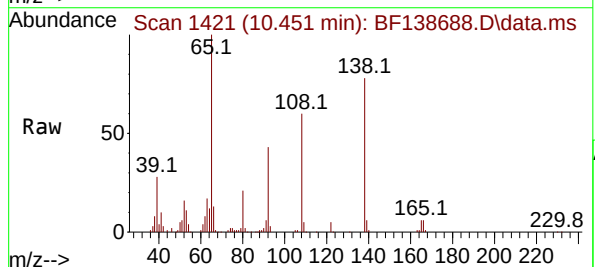
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

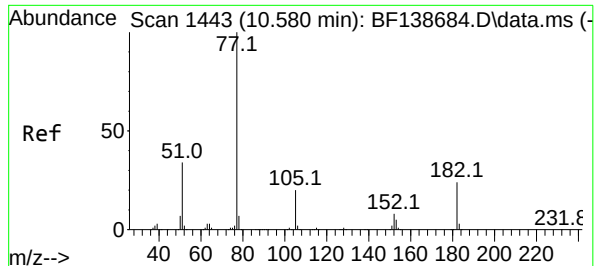
Tgt Ion:204 Resp: 196905
Ion Ratio Lower Upper
204 100
206 31.9 26.1 39.1
141 64.5 51.4 77.0



#62
4-Nitroaniline
Concen: 38.525 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:138 Resp: 89602
Ion Ratio Lower Upper
138 100
92 55.2 34.2 74.2
108 77.4 56.2 96.2

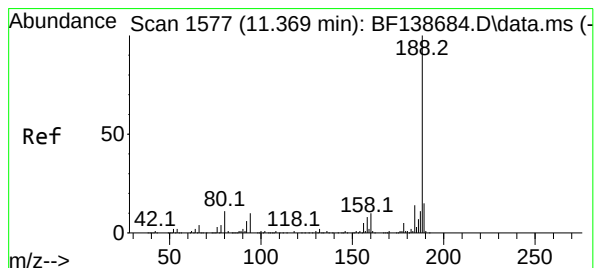
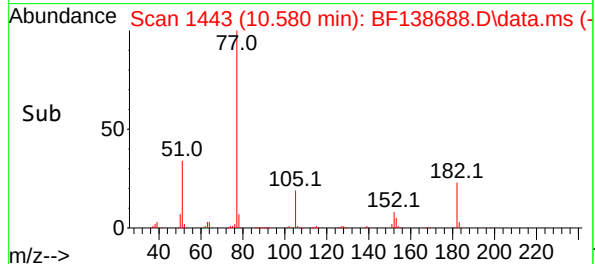
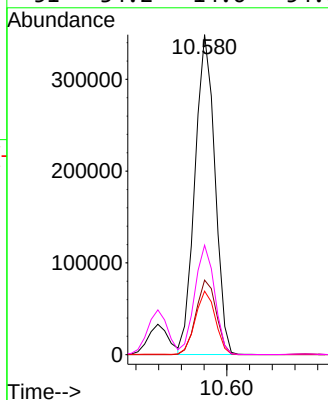
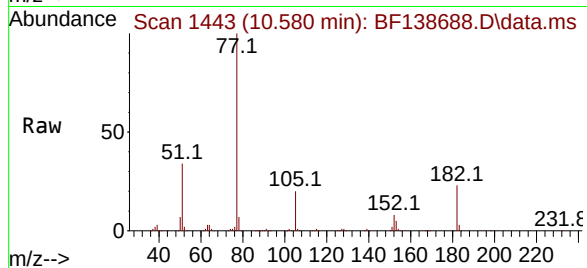




#63
Azobenzene
Concen: 38.622 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

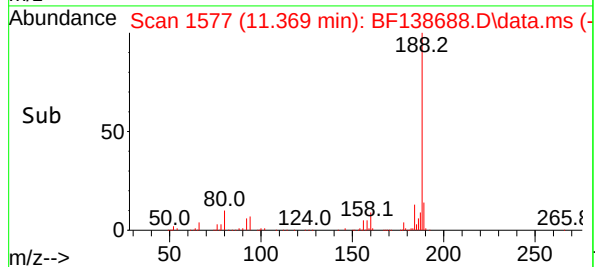
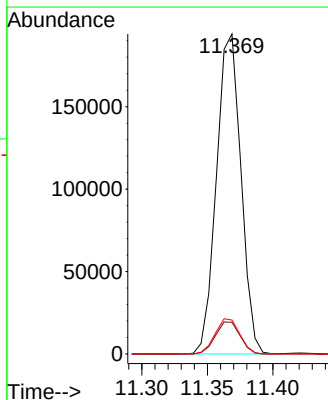
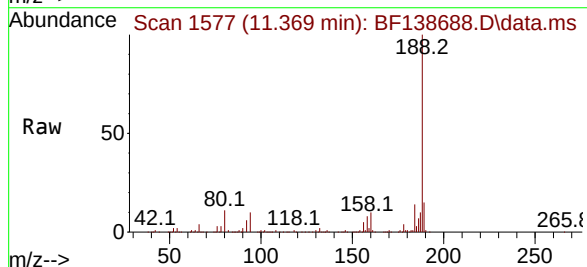
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

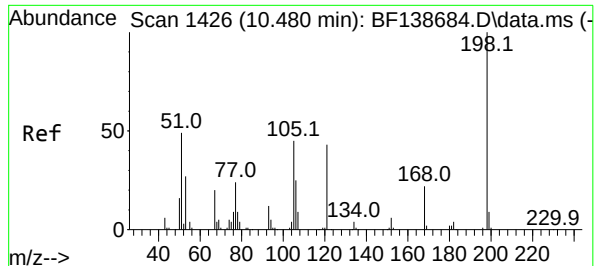
Tgt Ion:	77	Resp:	426075
Ion	Ratio	Lower	Upper
77	100		
182	23.3	3.4	43.4
105	19.9	0.2	40.2
51	34.2	14.6	54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:	188	Resp:	252048
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.6	8.6	12.8

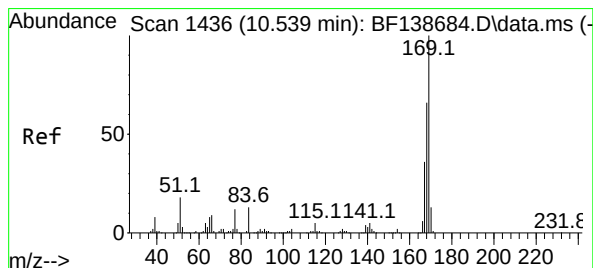
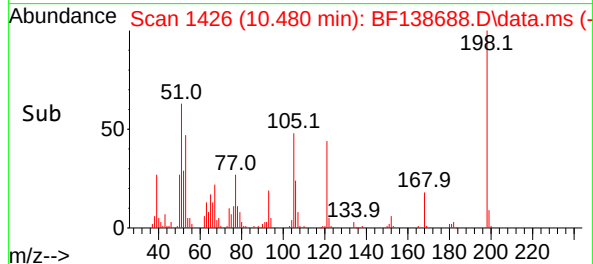
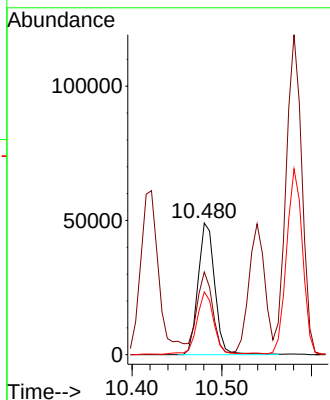
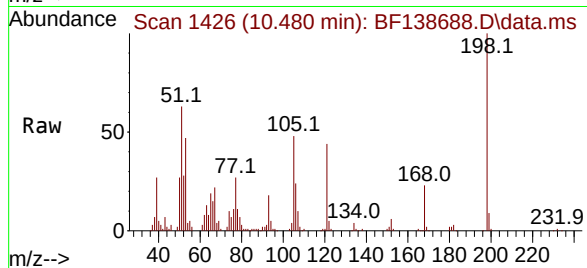




#65
4,6-Dinitro-2-methylphenol
Concen: 41.323 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

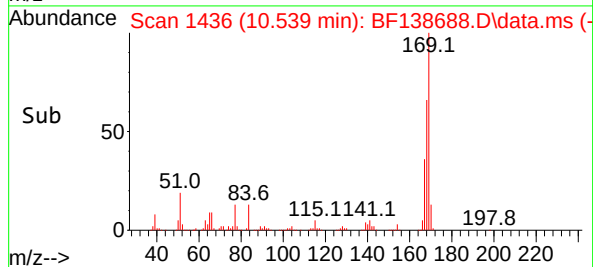
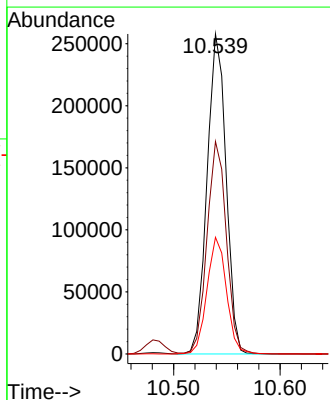
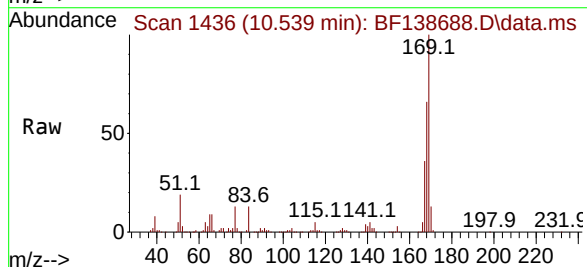
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

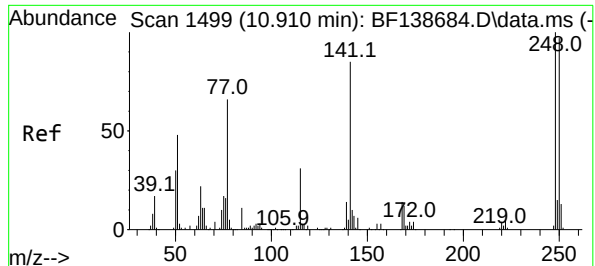
Tgt Ion:198 Resp: 63542
Ion Ratio Lower Upper
198 100
51 62.8 39.9 79.9
105 47.6 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 40.561 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:169 Resp: 319562
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 36.5 29.0 43.6

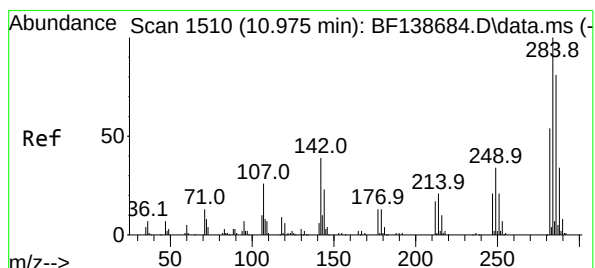
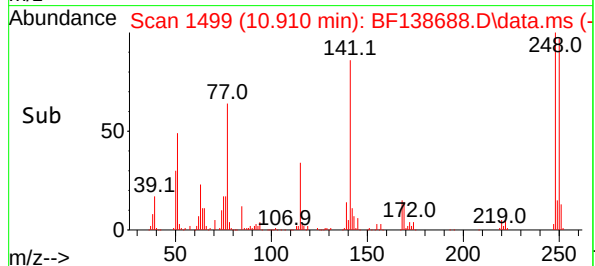
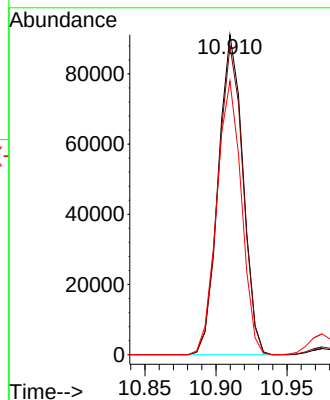
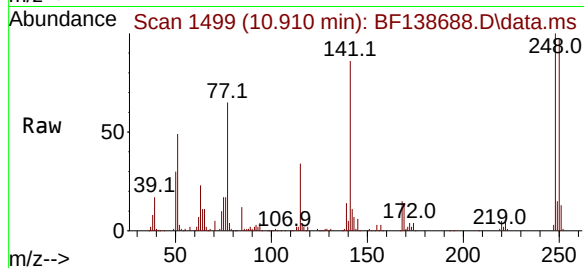




#67
4-Bromophenyl-phenylether
Concen: 40.390 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

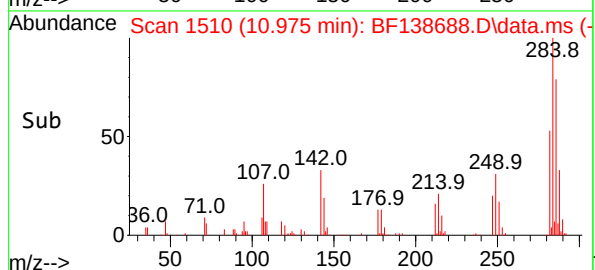
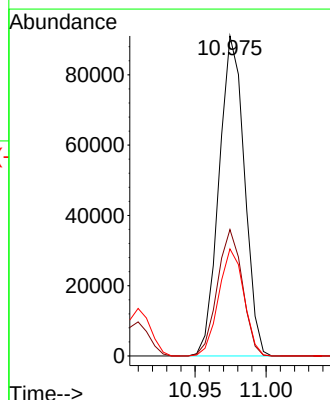
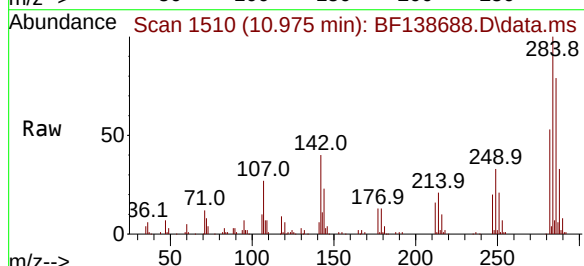
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

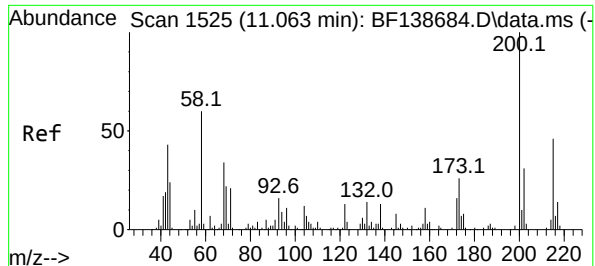
Tgt Ion:248 Resp: 110219
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 85.6 68.0 102.0



#68
Hexachlorobenzene
Concen: 40.147 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:284 Resp: 113117
Ion Ratio Lower Upper
284 100
142 39.5 31.3 46.9
249 33.5 27.2 40.8





#69

Atrazine

Concen: 39.654 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

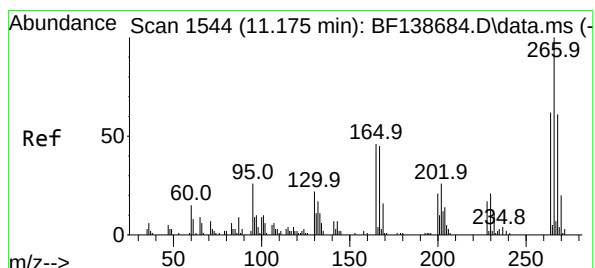
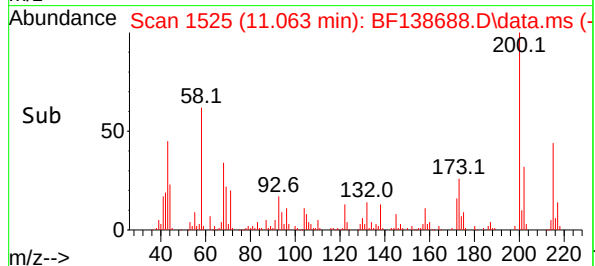
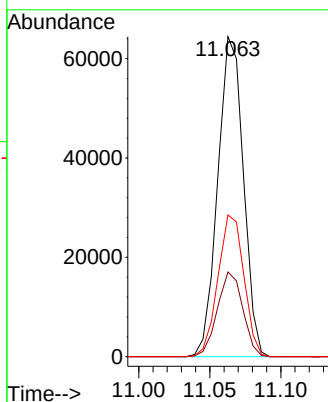
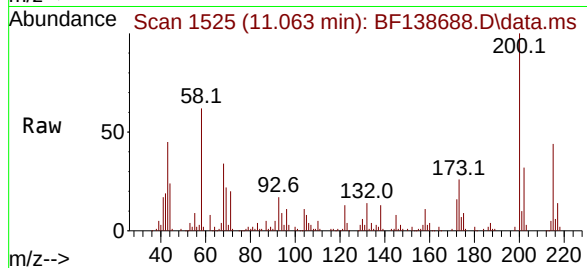
Tgt Ion:200 Resp: 80604

Ion Ratio Lower Upper

200 100

173 26.5 6.0 46.0

215 44.3 26.1 66.1



#70

Pentachlorophenol

Concen: 40.788 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

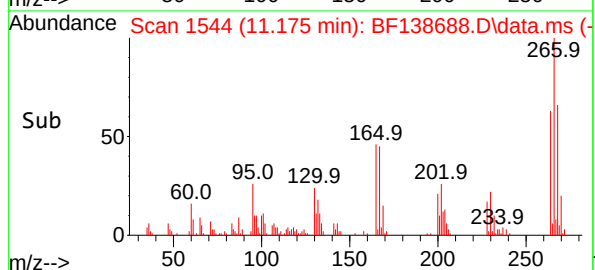
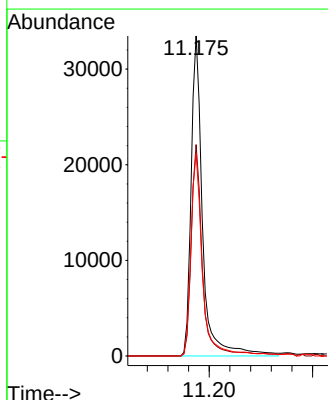
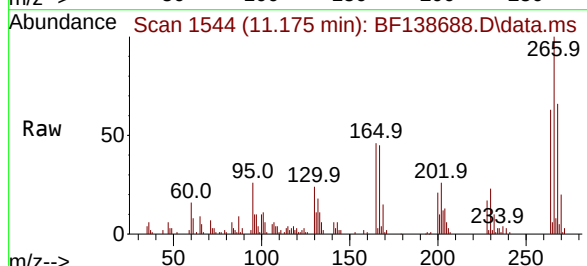
Tgt Ion:266 Resp: 51801

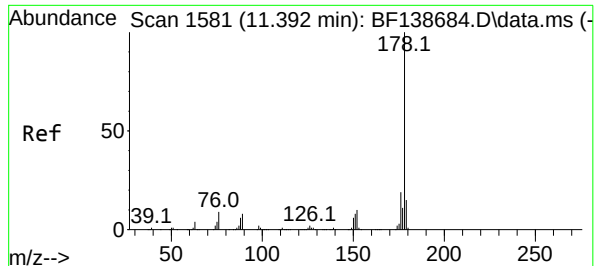
Ion Ratio Lower Upper

266 100

268 66.0 49.2 73.8

264 63.4 49.8 74.6

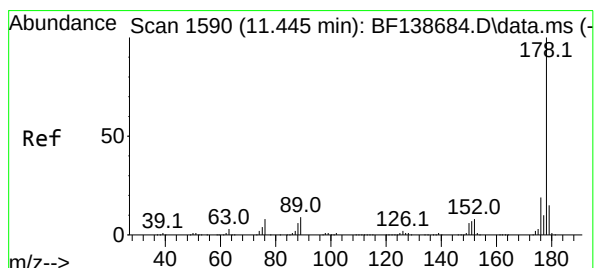
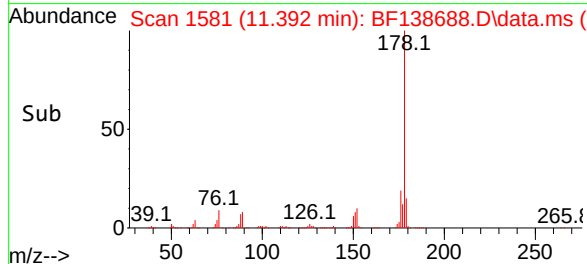
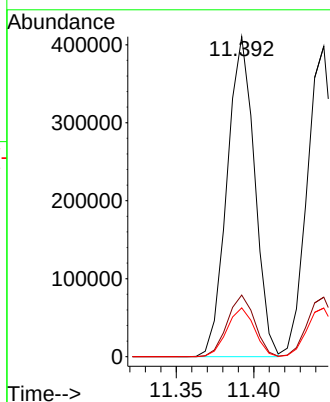
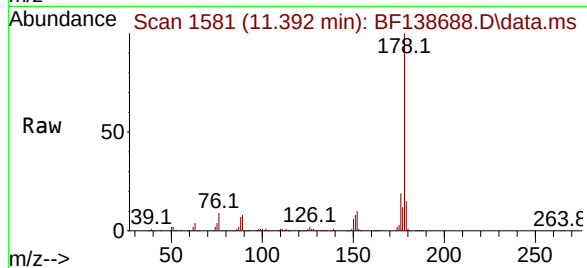




#71
Phenanthrene
Concen: 39.036 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

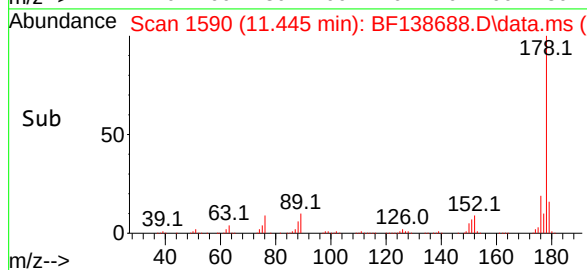
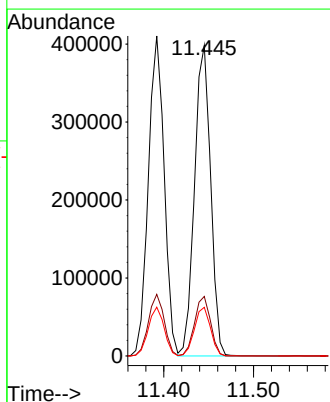
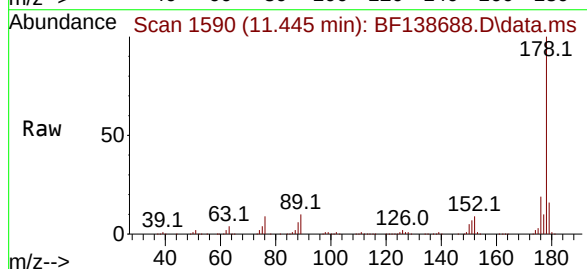
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

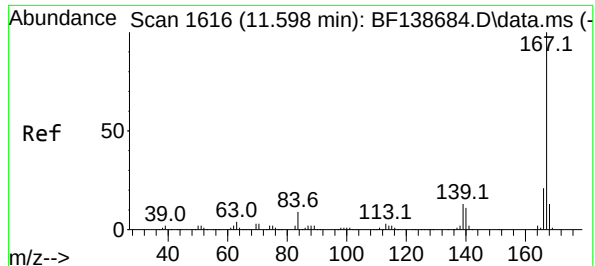
Tgt Ion:178 Resp: 506626
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.2



#72
Anthracene
Concen: 38.817 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

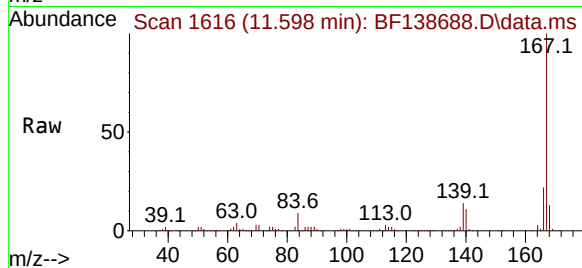
Tgt Ion:178 Resp: 496297
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.7 12.4 18.6



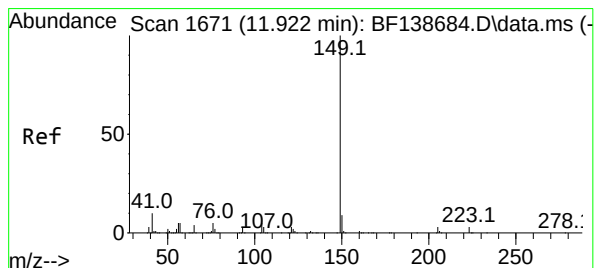
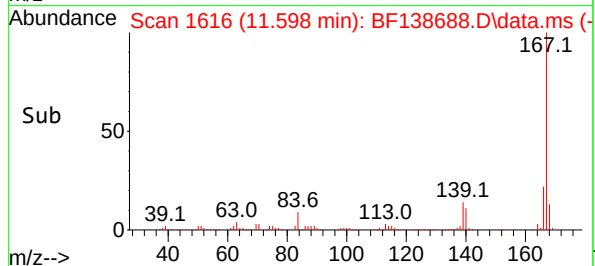
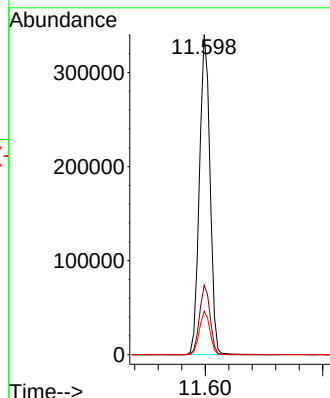


#73
Carbazole
Concen: 38.546 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

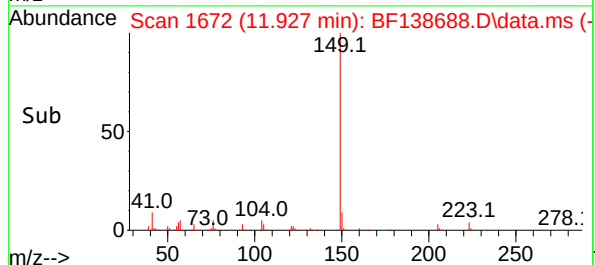
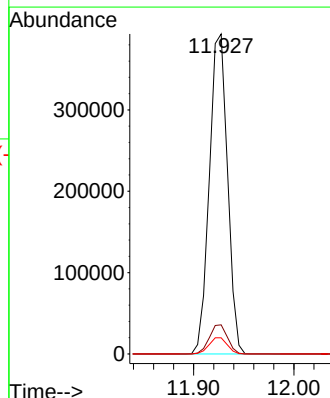
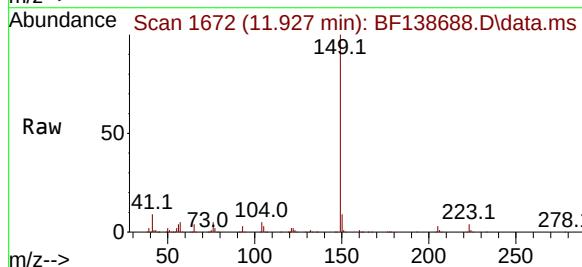


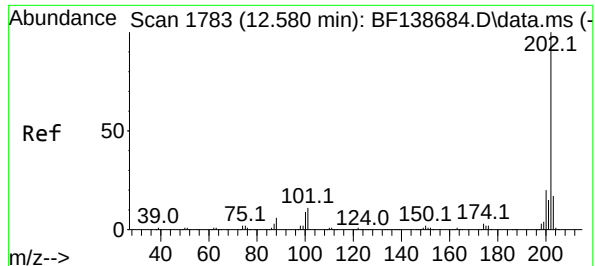
Tgt Ion:167 Resp: 425187
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 40.010 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 496140
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.0 4.1 6.1

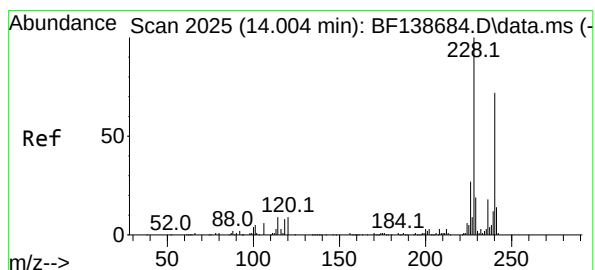
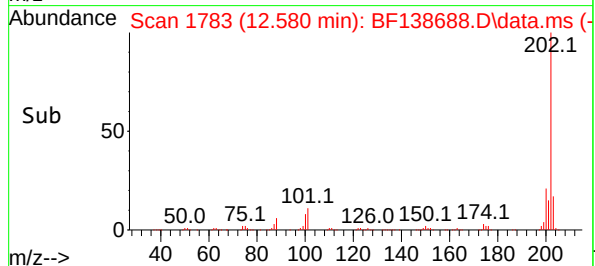
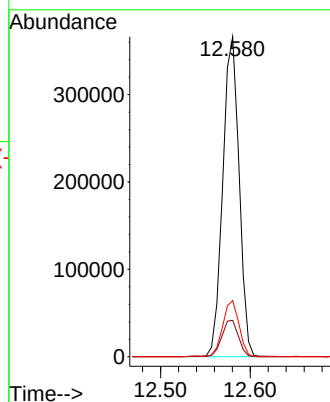
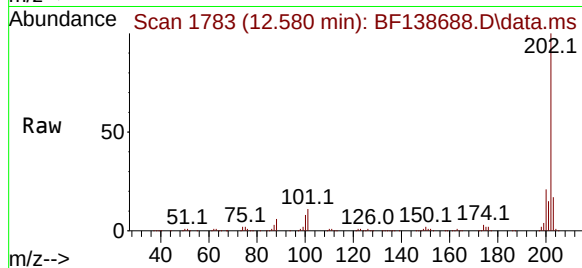




#75
Fluoranthene
Concen: 38.250 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

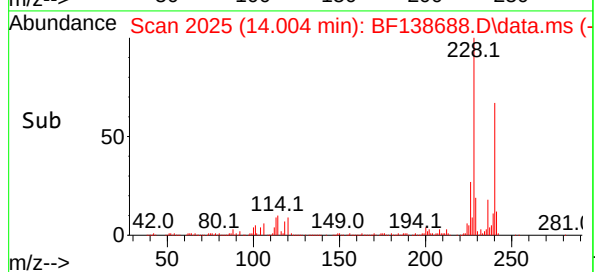
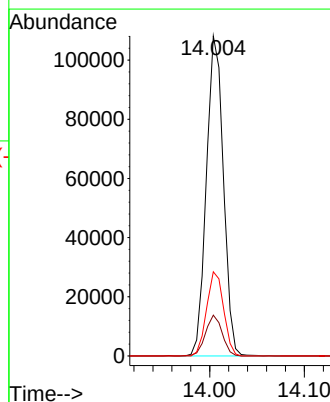
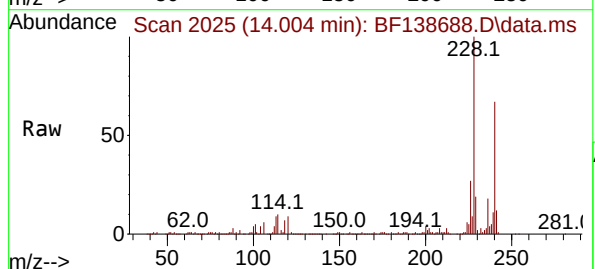
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

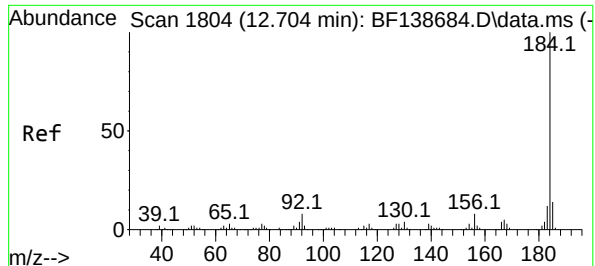
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.2
203	17.5	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.2	15.4
236	26.3	19.8	29.8

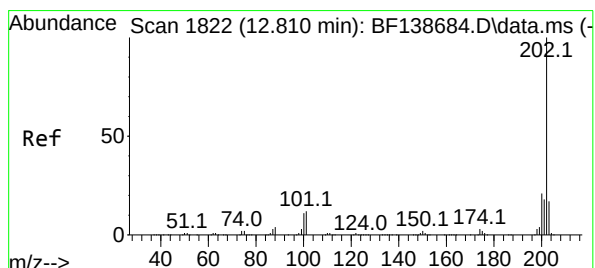
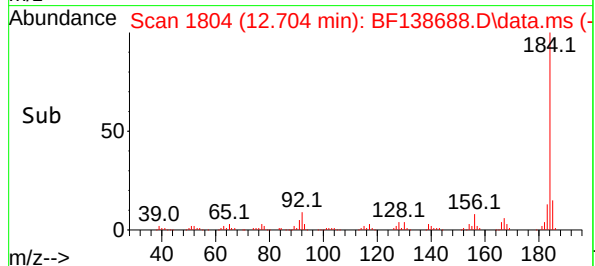
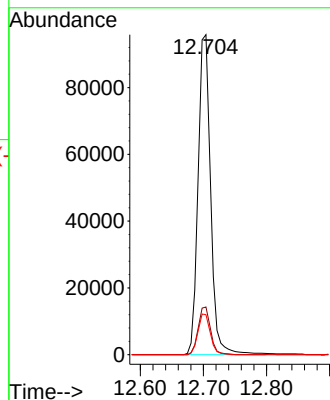
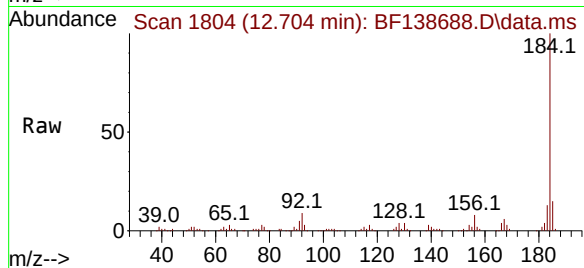




#77
Benzidine
Concen: 41.166 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

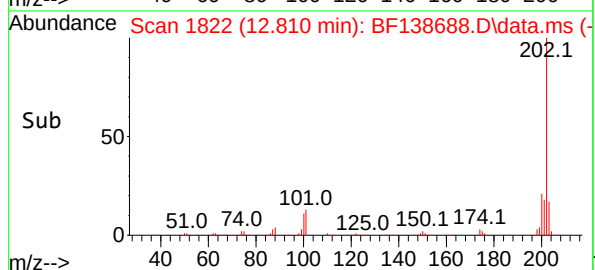
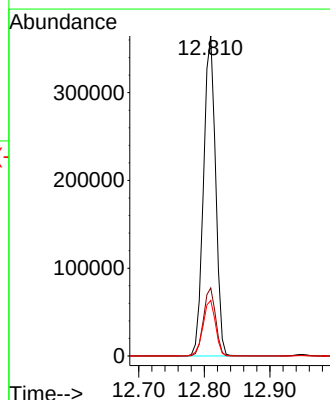
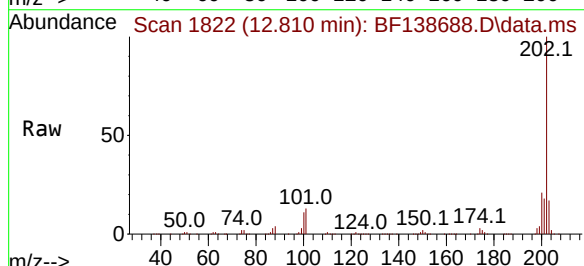
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

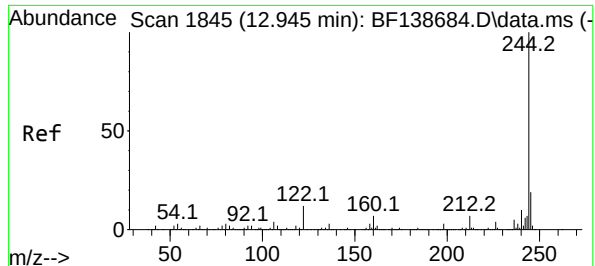
Tgt Ion:184 Resp: 132396
Ion Ratio Lower Upper
184 100
185 14.9 11.1 16.7
183 12.5 9.6 14.4



#78
Pyrene
Concen: 36.907 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:202 Resp: 467254
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 73.396 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138688.D

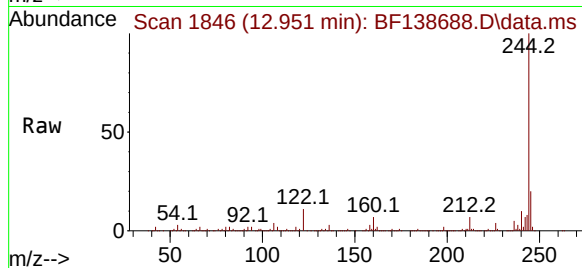
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



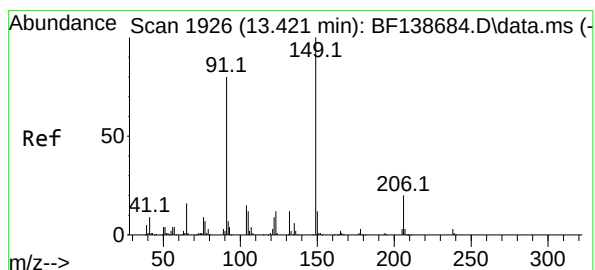
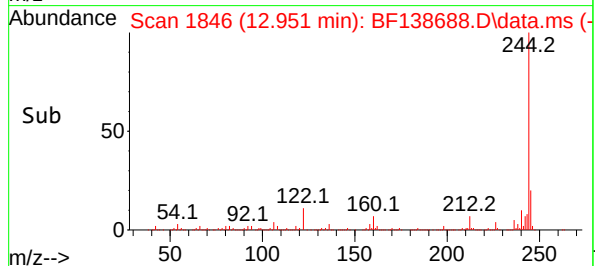
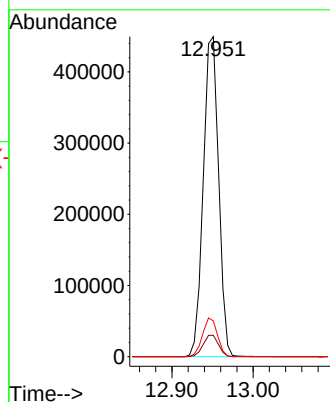
Tgt Ion:244 Resp: 589459

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.2 9.6 14.4



#80

Butylbenzylphthalate

Concen: 42.425 ng

RT: 13.421 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

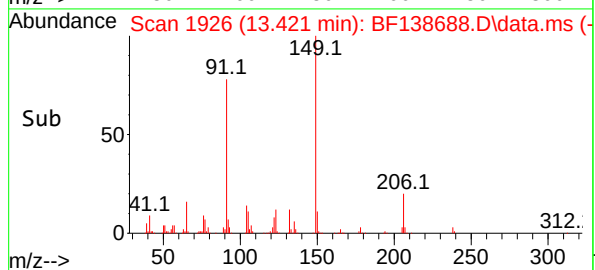
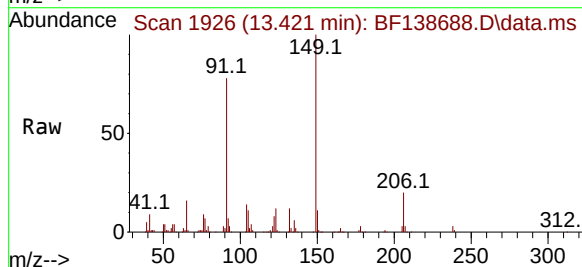
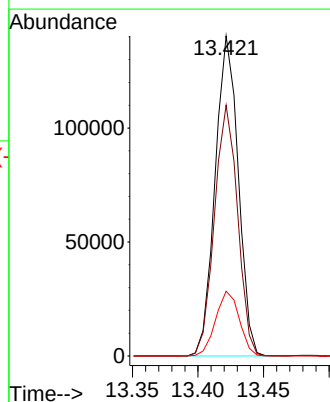
Tgt Ion:149 Resp: 171996

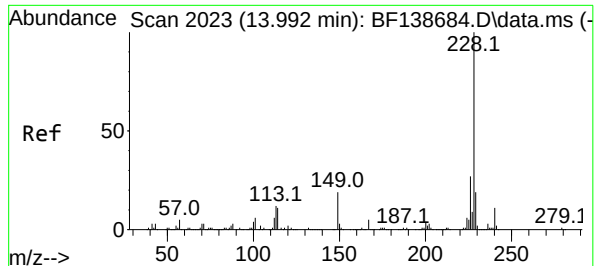
Ion Ratio Lower Upper

149 100

91 78.3 63.7 95.5

206 20.3 16.2 24.2

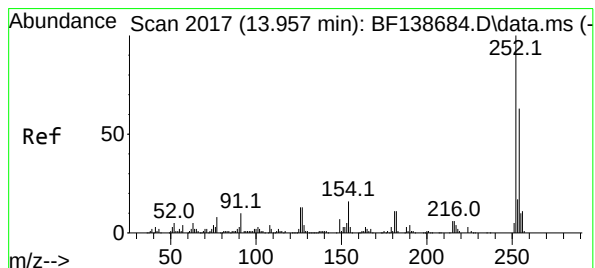
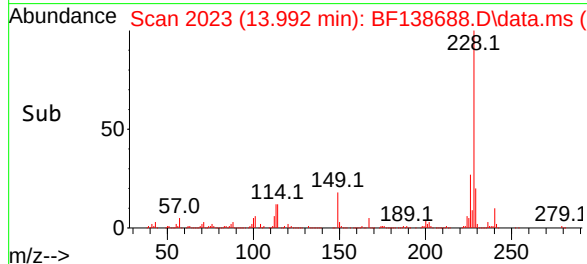
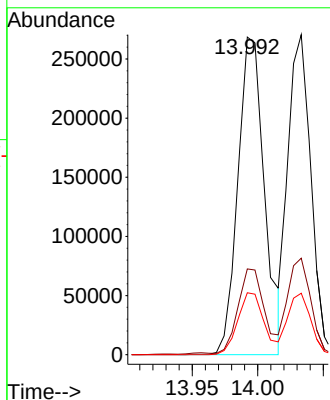
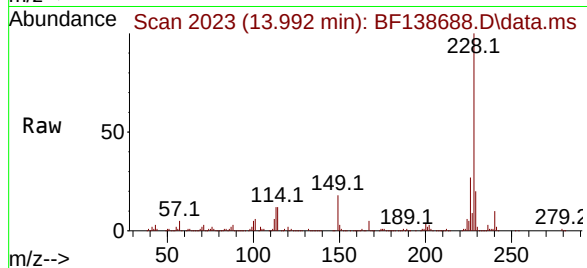




#81
Benzo(a)anthracene
Concen: 40.994 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

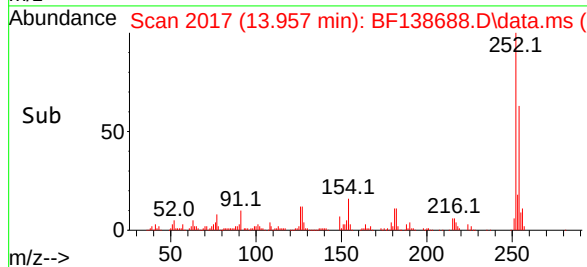
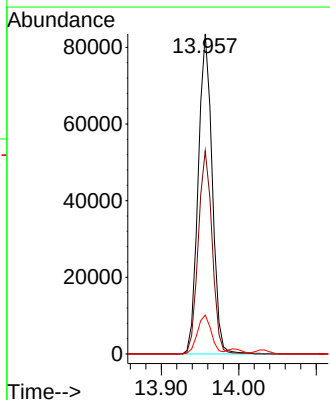
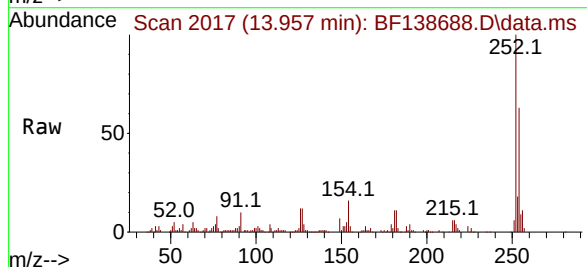
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

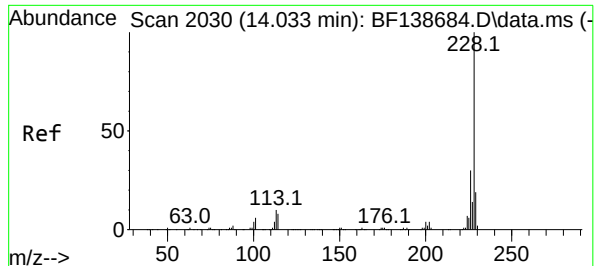
Tgt Ion:228 Resp: 379585
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.5 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 44.160 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:252 Resp: 104638
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 12.1 10.2 15.2

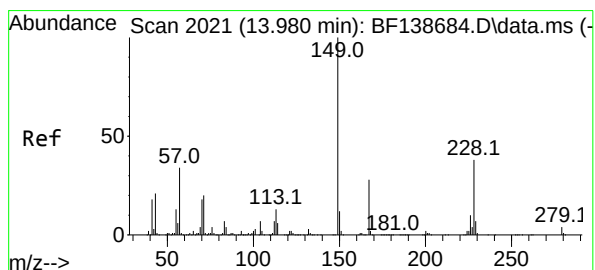
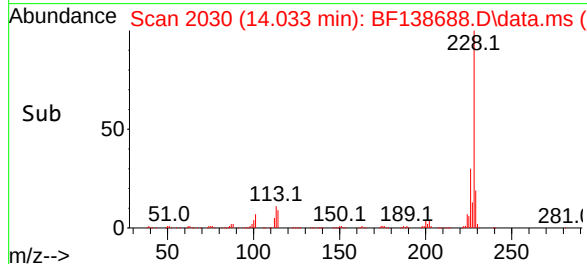
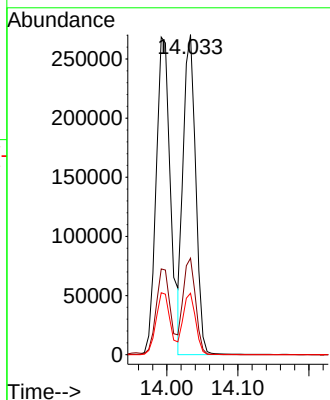
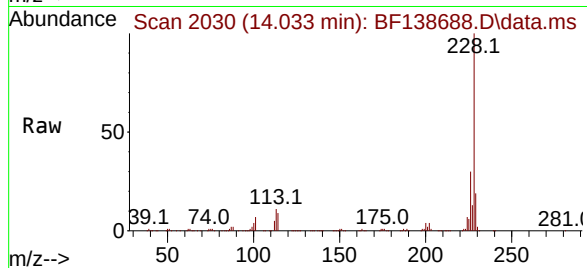




#83
Chrysene
Concen: 39.308 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

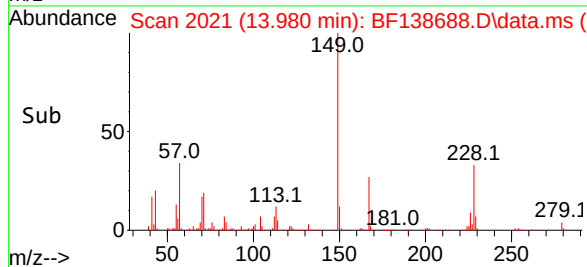
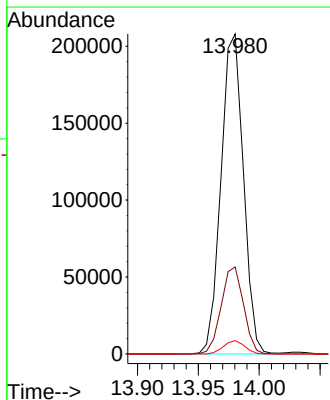
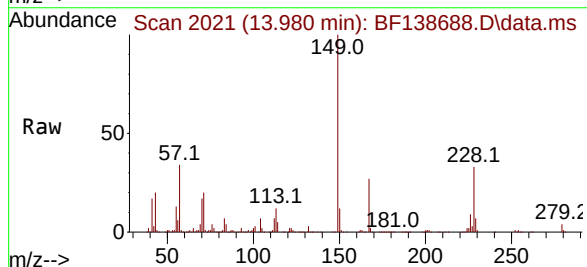
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

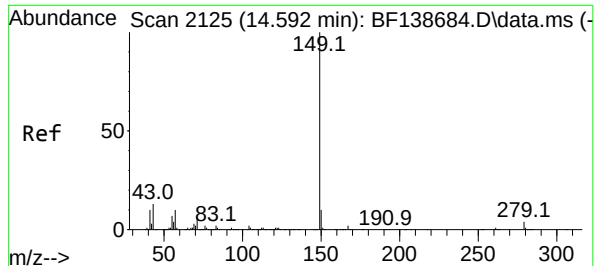
Tgt Ion:228 Resp: 328373
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.2 15.0 22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.921 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 266678
Ion Ratio Lower Upper
149 100
167 27.2 22.2 33.4
279 4.2 3.4 5.0

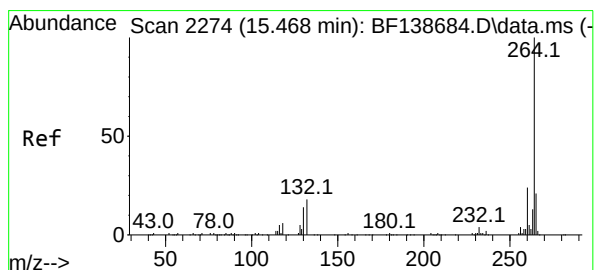
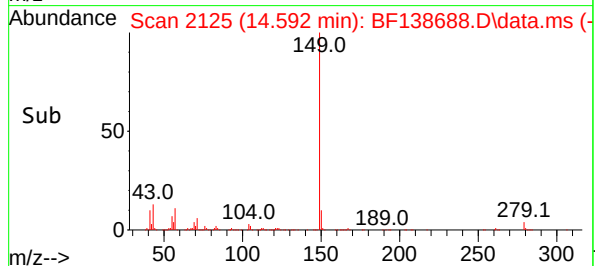
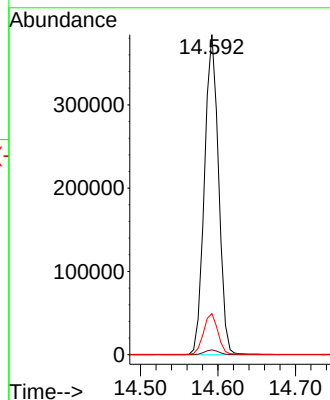
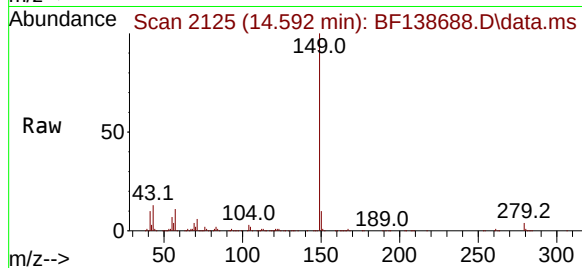




#85
Di-n-octyl phthalate
Concen: 44.183 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

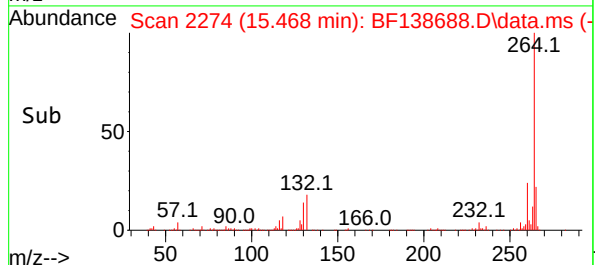
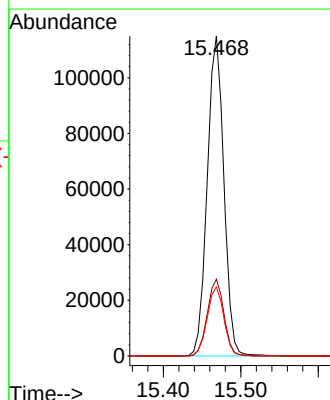
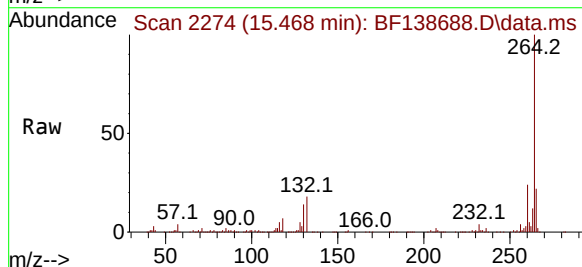
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

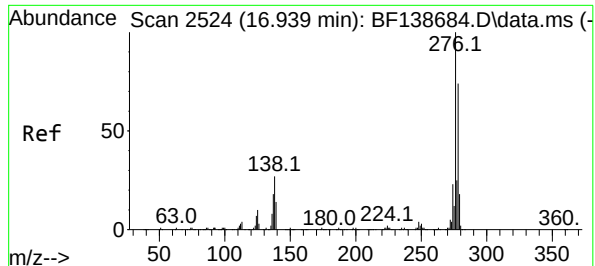
Tgt Ion:149 Resp: 485296
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.0 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:264 Resp: 171097
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 21.6 17.0 25.6

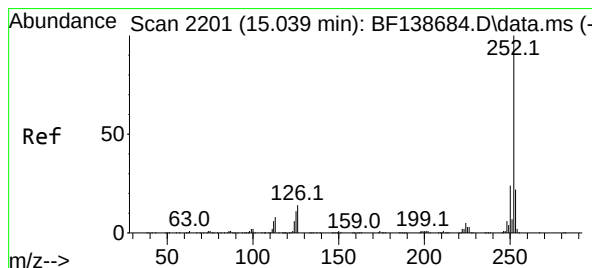
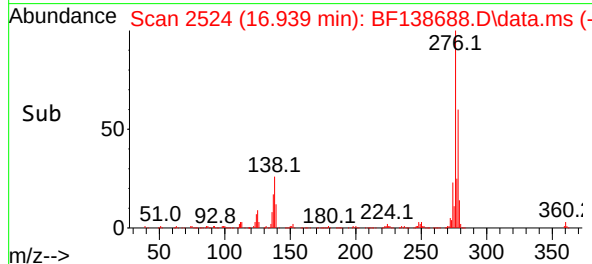
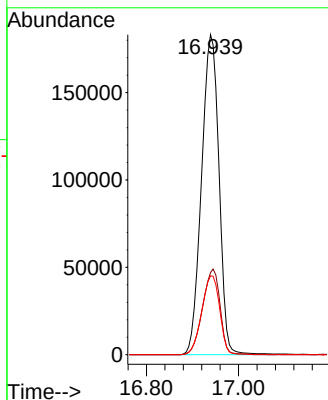
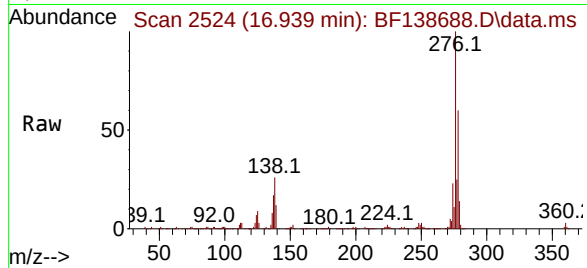




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.463 ng
RT: 16.939 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

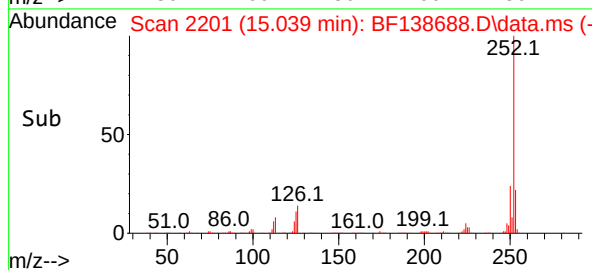
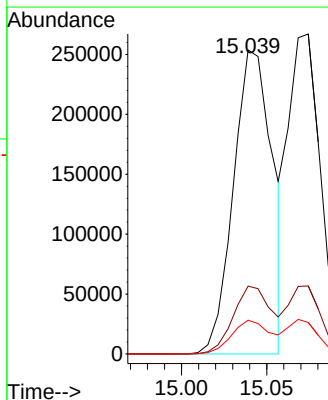
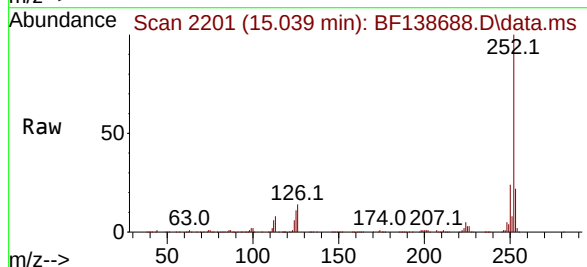
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

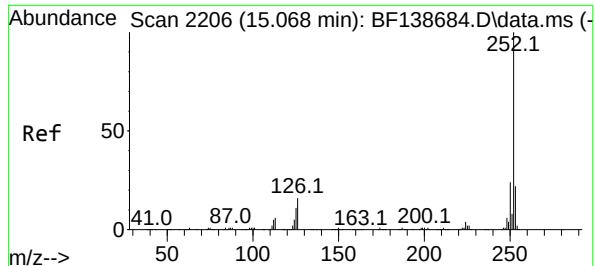
Tgt Ion	276	Resp	483878
Ion Ratio	100	Lower	Upper
276	100		
138	26.8	21.8	32.8
277	25.2	20.6	30.8



#88
Benzo(b)fluoranthene
Concen: 38.172 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion	252	Resp	404868
Ion Ratio	100	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.1	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 38.430 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

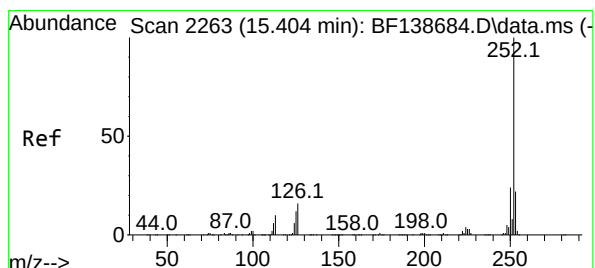
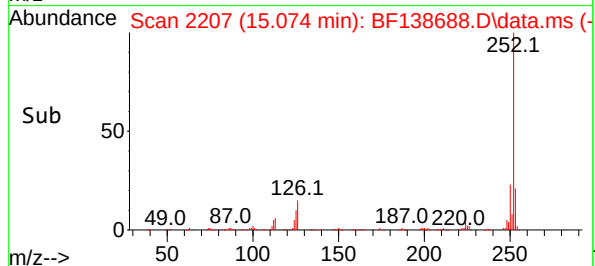
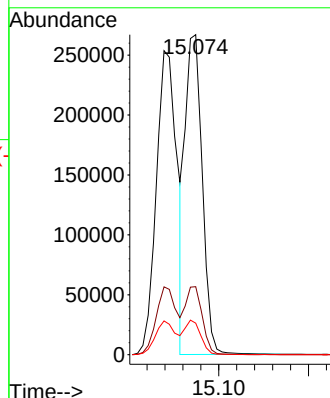
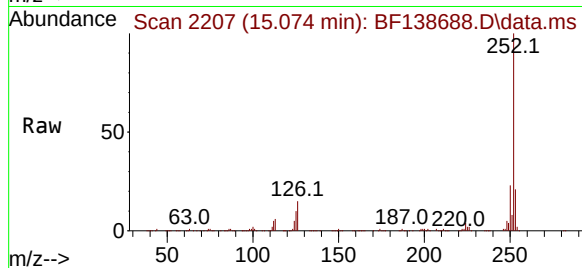
Tgt Ion:252 Resp: 352910

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.0

125 9.9 8.6 13.0



#90

Benzo(a)pyrene

Concen: 39.920 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

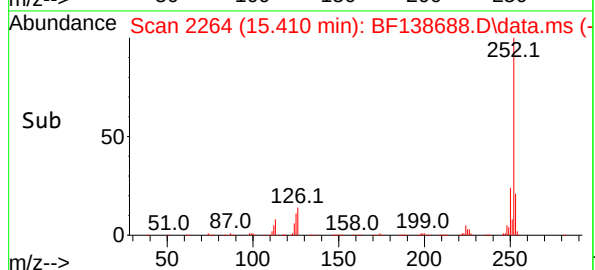
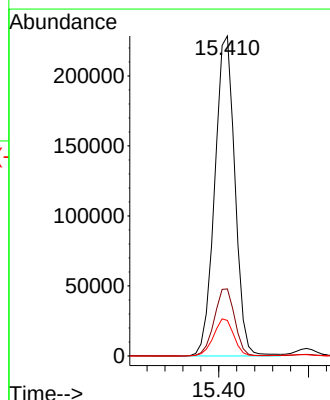
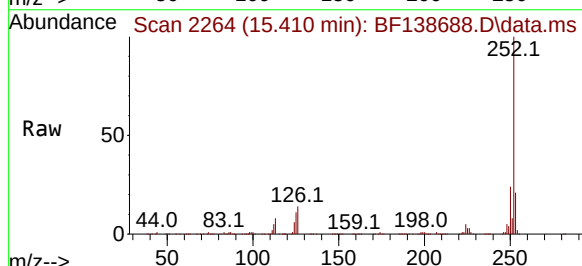
Tgt Ion:252 Resp: 356148

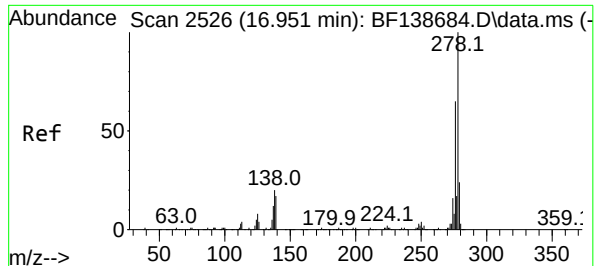
Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 11.1 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 39.089 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

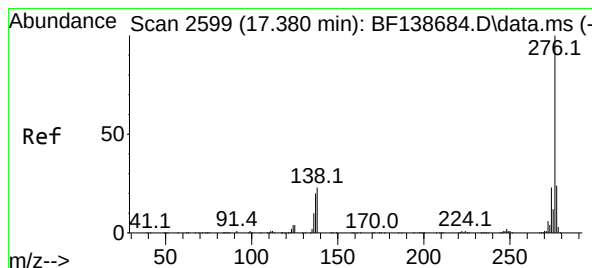
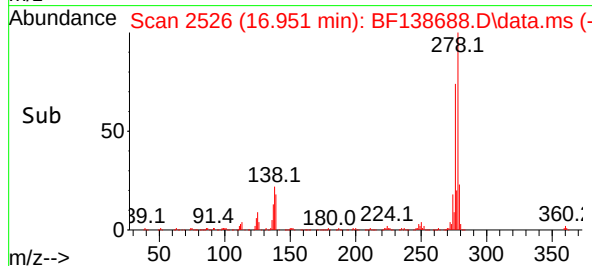
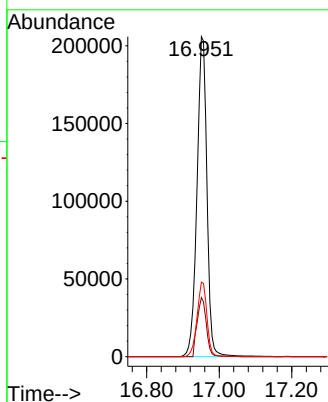
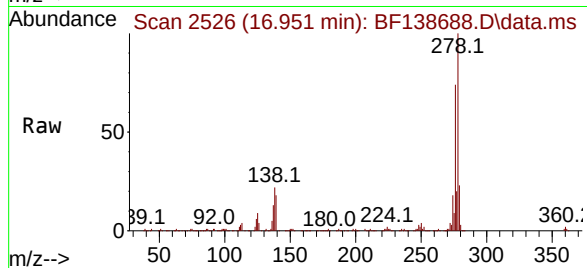
Tgt Ion:278 Resp: 393430

Ion Ratio Lower Upper

278 100

139 18.4 14.0 21.0

279 23.3 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 39.457 ng

RT: 17.386 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

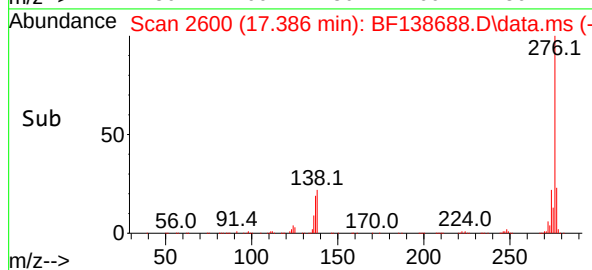
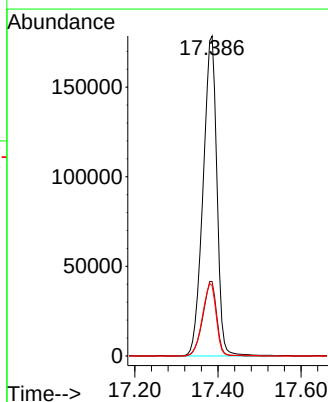
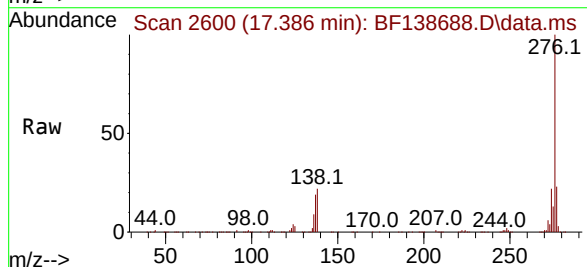
Tgt Ion:276 Resp: 412115

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 22.0 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	113	0.00
2	1,4-Dioxane	0.567	0.565	0.4	111	0.00
3	Pyridine	1.374	1.390	-1.2	113	0.00
4	n-Nitrosodimethylamine	0.818	0.806	1.5	112	0.01
5 S	2-Fluorophenol	1.296	1.266	2.3	112	0.00
6	Aniline	1.551	1.559	-0.5	115	0.00
7 S	Phenol-d6	1.740	1.687	3.0	113	0.00
8	2-Chlorophenol	1.363	1.326	2.7	113	0.00
9	Benzaldehyde	1.043	0.988	5.3	123	0.00
10 C	Phenol	1.832	1.753	4.3	111	0.00
11	bis(2-Chloroethyl)ether	1.409	1.354	3.9	112	0.00
12	1,3-Dichlorobenzene	1.526	1.476	3.3	113	0.00
13 C	1,4-Dichlorobenzene	1.540	1.489	3.3	112	0.00
14	1,2-Dichlorobenzene	1.439	1.385	3.8	111	0.00
15	Benzyl Alcohol	1.254	1.226	2.2	114	0.00
16	2,2'-oxybis(1-Chloropropane	2.426	2.312	4.7	111	0.00
17	2-Methylphenol	1.126	1.088	3.4	111	0.00
18	Hexachloroethane	0.580	0.571	1.6	113	0.00
19 P	n-Nitroso-di-n-propylamine	1.051	0.983	6.5	112	0.00
20	3+4-Methylphenols	1.444	1.352	6.4	112	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	112	0.00
22	Acetophenone	0.490	0.479	2.2	112	0.00
23 S	Nitrobenzene-d5	0.409	0.411	-0.5	114	0.00
24	Nitrobenzene	0.416	0.415	0.2	112	0.00
25	Isophorone	0.699	0.686	1.9	113	0.00
26 C	2-Nitrophenol	0.179	0.182	-1.7	111	0.00
27	2,4-Dimethylphenol	0.214	0.216	-0.9	113	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.421	0.9	113	0.00
29 C	2,4-Dichlorophenol	0.275	0.279	-1.5	114	0.00
30	1,2,4-Trichlorobenzene	0.318	0.315	0.9	112	0.00
31	Naphthalene	1.053	1.033	1.9	111	0.00
32	Benzoic acid	0.168	0.175	-4.2	118	0.01
33	4-Chloroaniline	0.353	0.354	-0.3	115	0.00
34 C	Hexachlorobutadiene	0.192	0.196	-2.1	116	0.00
35	Caprolactam	0.082	0.079	3.7	113	0.00
36 C	4-Chloro-3-methylphenol	0.315	0.308	2.2	113	0.00
37	2-Methylnaphthalene	0.665	0.646	2.9	112	0.00
38	1-Methylnaphthalene	0.652	0.630	3.4	111	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40	1,2,4,5-Tetrachlorobenzene	0.556	0.563	-1.3	114	0.00
41 P	Hexachlorocyclopentadiene	0.120	0.142	-18.3	125	0.00
42 S	2,4,6-Tribromophenol	0.164	0.159	3.0	111	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.342	-0.9	114	0.00
44	2,4,5-Trichlorophenol	0.370	0.380	-2.7	115	0.00
45 S	2-Fluorobiphenyl	1.331	1.306	1.9	112	0.00
46	1,1'-Biphenyl	1.566	1.572	-0.4	114	0.00
47	2-Chloronaphthalene	1.165	1.164	0.1	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	0.395	0.390	1.3	112	0.00
49	Acenaphthylene	1.652	1.632	1.2	111	0.00
50	Dimethylphthalate	1.279	1.230	3.8	112	0.00
51	2,6-Dinitrotoluene	0.289	0.288	0.3	112	0.00
52 C	Acenaphthene	1.111	1.096	1.4	113	0.00
53	3-Nitroaniline	0.298	0.286	4.0	111	0.00
54 P	2,4-Dinitrophenol	0.133	0.130	2.3	114	0.00
55	Dibenzofuran	1.568	1.529	2.5	113	0.00
56 P	4-Nitrophenol	0.179	0.176	1.7	113	0.00
57	2,4-Dinitrotoluene	0.368	0.356	3.3	110	0.00
58	Fluorene	1.249	1.207	3.4	112	0.00
59	2,3,4,6-Tetrachlorophenol	0.283	0.274	3.2	112	0.00
60	Diethylphthalate	1.213	1.165	4.0	113	0.00
61	4-Chlorophenyl-phenylether	0.614	0.600	2.3	114	0.00
62	4-Nitroaniline	0.284	0.273	3.9	112	0.00
63	Azobenzene	1.345	1.299	3.4	112	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65	4,6-Dinitro-2-methylphenol	0.122	0.126	-3.3	112	0.00
66 c	n-Nitrosodiphenylamine	0.625	0.634	-1.4	111	0.00
67	4-Bromophenyl-phenylether	0.217	0.219	-0.9	112	0.00
68	Hexachlorobenzene	0.224	0.224	0.0	113	0.00
69	Atrazine	0.161	0.160	0.6	109	0.00
70 C	Pentachlorophenol	0.101	0.103	-2.0	111	0.00
71	Phenanthrene	1.030	1.005	2.4	109	0.00
72	Anthracene	1.015	0.985	3.0	109	0.00
73	Carbazole	0.875	0.843	3.7	107	0.00
74	Di-n-butylphthalate	0.984	0.984	0.0	110	0.00
75 C	Fluoranthene	0.961	0.919	4.4	106	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77	Benzydine	0.478	0.492	-2.9	98	0.00
78	Pyrene	1.883	1.737	7.8	106	0.00
79 S	Terphenyl-d14	1.195	1.096	8.3	106	0.00
80	Butylbenzylphthalate	0.603	0.640	-6.1	109	0.00
81	Benzo(a)anthracene	1.377	1.411	-2.5	108	0.00
82	3,3'-Dichlorobenzidine	0.352	0.389	-10.5	116	0.00
83	Chrysene	1.243	1.221	1.8	107	0.00
84	Bis(2-ethylhexyl)phthalate	0.883	0.992	-12.3	112	0.00
85 c	Di-n-octyl phthalate	1.634	1.805	-10.5	111	0.00
86 I	Perylene-d12	1.000	1.000	0.0	113	0.00
87	Indeno(1,2,3-cd)pyrene	1.433	1.414	1.3	114	0.00
88	Benzo(b)fluoranthene	1.240	1.183	4.6	109	0.00
89	Benzo(k)fluoranthene	1.073	1.031	3.9	116	0.00
90 C	Benzo(a)pyrene	1.043	1.041	0.2	115	0.00
91	Dibenzo(a,h)anthracene	1.177	1.150	2.3	115	0.00
92	Benzo(g,h,i)perylene	1.221	1.204	1.4	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	113	0.00
2	1,4-Dioxane	40.000	39.808	0.5	111	0.00
3	Pyridine	40.000	40.463	-1.2	113	0.00
4	n-Nitrosodimethylamine	40.000	39.391	1.5	112	0.01
5 S	2-Fluorophenol	80.000	78.171	2.3	112	0.00
6	Aniline	40.000	40.197	-0.5	115	0.00
7 S	Phenol-d6	80.000	77.578	3.0	113	0.00
8	2-Chlorophenol	40.000	38.895	2.8	113	0.00
9	Benzaldehyde	40.000	37.898	5.3	123	0.00
10 C	Phenol	40.000	38.277	4.3	111	0.00
11	bis(2-Chloroethyl)ether	40.000	38.433	3.9	112	0.00
12	1,3-Dichlorobenzene	40.000	38.692	3.3	113	0.00
13 C	1,4-Dichlorobenzene	40.000	38.668	3.3	112	0.00
14	1,2-Dichlorobenzene	40.000	38.492	3.8	111	0.00
15	Benzyl Alcohol	40.000	39.118	2.2	114	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.127	4.7	111	0.00
17	2-Methylphenol	40.000	38.649	3.4	111	0.00
18	Hexachloroethane	40.000	39.384	1.5	113	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.442	6.4	112	0.00
20	3+4-Methylphenols	40.000	37.436	6.4	112	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	112	0.00
22	Acetophenone	40.000	39.095	2.3	112	0.00
23 S	Nitrobenzene-d5	80.000	80.424	-0.5	114	0.00
24	Nitrobenzene	40.000	39.882	0.3	112	0.00
25	Isophorone	40.000	39.275	1.8	113	0.00
26 C	2-Nitrophenol	40.000	40.668	-1.7	111	0.00
27	2,4-Dimethylphenol	40.000	40.231	-0.6	113	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.557	1.1	113	0.00
29 C	2,4-Dichlorophenol	40.000	40.567	-1.4	114	0.00
30	1,2,4-Trichlorobenzene	40.000	39.651	0.9	112	0.00
31	Naphthalene	40.000	39.232	1.9	111	0.00
32	Benzoic acid	40.000	41.481	-3.7	118	0.01
33	4-Chloroaniline	40.000	40.067	-0.2	115	0.00
34 C	Hexachlorobutadiene	40.000	40.772	-1.9	116	0.00
35	Caprolactam	40.000	38.365	4.1	113	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.164	2.1	113	0.00
37	2-Methylnaphthalene	40.000	38.836	2.9	112	0.00
38	1-Methylnaphthalene	40.000	38.666	3.3	111	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.554	-1.4	114	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.278	-5.7	125	0.00
42 S	2,4,6-Tribromophenol	80.000	77.401	3.2	111	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.384	-1.0	114	0.00
44	2,4,5-Trichlorophenol	40.000	41.011	-2.5	115	0.00
45 S	2-Fluorobiphenyl	80.000	78.500	1.9	112	0.00
46	1,1'-Biphenyl	40.000	40.156	-0.4	114	0.00
47	2-Chloronaphthalene	40.000	39.966	0.1	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
 Data File : BF138688.D
 Acq On : 30 Jul 2024 17:55
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF073024

Quant Time: Jul 30 18:15:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	39.505	1.2	112	0.00
49	Acenaphthylene	40.000	39.504	1.2	111	0.00
50	Dimethylphthalate	40.000	38.458	3.9	112	0.00
51	2,6-Dinitrotoluene	40.000	39.895	0.3	112	0.00
52 C	Acenaphthene	40.000	39.456	1.4	113	0.00
53	3-Nitroaniline	40.000	38.306	4.2	111	0.00
54 P	2,4-Dinitrophenol	40.000	39.106	2.2	114	0.00
55	Dibenzofuran	40.000	38.997	2.5	113	0.00
56 P	4-Nitrophenol	40.000	39.336	1.7	113	0.00
57	2,4-Dinitrotoluene	40.000	38.673	3.3	110	0.00
58	Fluorene	40.000	38.661	3.3	112	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.680	3.3	112	0.00
60	Diethylphthalate	40.000	38.447	3.9	113	0.00
61	4-Chlorophenyl-phenylether	40.000	39.091	2.3	114	0.00
62	4-Nitroaniline	40.000	38.525	3.7	112	0.00
63	Azobenzene	40.000	38.622	3.4	112	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.323	-3.3	112	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.561	-1.4	111	0.00
67	4-Bromophenyl-phenylether	40.000	40.390	-1.0	112	0.00
68	Hexachlorobenzene	40.000	40.147	-0.4	113	0.00
69	Atrazine	40.000	39.654	0.9	109	0.00
70 C	Pentachlorophenol	40.000	40.788	-2.0	111	0.00
71	Phenanthrene	40.000	39.036	2.4	109	0.00
72	Anthracene	40.000	38.817	3.0	109	0.00
73	Carbazole	40.000	38.546	3.6	107	0.00
74	Di-n-butylphthalate	40.000	40.010	-0.0	110	0.00
75 C	Fluoranthene	40.000	38.250	4.4	106	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77	Benzydine	40.000	41.166	-2.9	98	0.00
78	Pyrene	40.000	36.907	7.7	106	0.00
79 S	Terphenyl-d14	80.000	73.396	8.3	106	0.00
80	Butylbenzylphthalate	40.000	42.425	-6.1	109	0.00
81	Benzo(a)anthracene	40.000	40.994	-2.5	108	0.00
82	3,3'-Dichlorobenzidine	40.000	44.160	-10.4	116	0.00
83	Chrysene	40.000	39.308	1.7	107	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.921	-12.3	112	0.00
85 c	Di-n-octyl phthalate	40.000	44.183	-10.5	111	0.00
86 I	Perylene-d12	20.000	20.000	0.0	113	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.463	1.3	114	0.00
88	Benzo(b)fluoranthene	40.000	38.172	4.6	109	0.00
89	Benzo(k)fluoranthene	40.000	38.430	3.9	116	0.00
90 C	Benzo(a)pyrene	40.000	39.920	0.2	115	0.00
91	Dibenzo(a,h)anthracene	40.000	39.089	2.3	115	0.00
92	Benzo(g,h,i)perylene	40.000	39.457	1.4	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = 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: JAC005

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/07/2024 11:00

Lab File ID: BF138834.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.374	1.257		-8.5	
2-Fluorophenol	1.296	1.272		-1.9	
Benzaldehyde	1.043	0.918		-12.0	
Phenol-d6	1.740	1.684		-3.2	
2-Methylphenol	1.126	1.110		-1.4	
3+4-Methylphenols	1.444	1.468		1.7	
Nitrobenzene-d5	0.409	0.418		2.2	
Hexachloroethane	0.580	0.594		2.4	
Nitrobenzene	0.416	0.412		-1.0	
Naphthalene	1.053	1.058		0.5	
Hexachlorobutadiene	0.192	0.203		5.7	20.0
2-Methylnaphthalene	0.665	0.683		2.7	
2,4,6-Trichlorophenol	0.339	0.343		1.2	20.0
2-Fluorobiphenyl	1.331	1.404		5.5	
2,4,5-Trichlorophenol	0.370	0.377		1.9	
Acenaphthylene	1.652	1.655		0.2	
Acenaphthene	1.111	1.115		0.4	20.0
Dibenzofuran	1.568	1.609		2.6	
2,4-Dinitrotoluene	0.368	0.397		7.9	
Fluorene	1.249	1.312		5.0	
2,4,6-Tribromophenol	0.164	0.177		7.9	
Hexachlorobenzene	0.224	0.234		4.5	
Pentachlorophenol	0.101	0.127		25.7	20.0
Phenanthrene	1.030	1.044		1.4	
Anthracene	1.015	1.049		3.3	
Carbazole	0.875	0.887		1.4	
Di-n-butylphthalate	0.984	1.093		11.1	
Fluoranthene	0.961	0.977		1.7	20.0
Pyrene	1.883	2.155		14.4	
Terphenyl-d14	1.195	1.339		12.1	
Benzo (a) anthracene	1.377	1.344		-2.4	
Chrysene	1.243	1.252		0.7	
Bis (2-ethylhexyl) phthalate	0.883	0.798		-9.6	
Benzo (b) fluoranthene	1.240	1.150		-7.3	
Benzo (k) fluoranthene	1.073	1.165		8.6	
Benzo (a) pyrene	1.043	1.056		1.2	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.414		-1.3	
Dibenzo (a,h) anthracene	1.177	1.165		-1.0	
Benzo (g,h,i) perylene	1.221	1.171		-4.1	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005
Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429
Instrument ID: BNA_F Calibration Date/Time: 08/07/2024 11:00
Lab File ID: BF138834.D Init. Calib. Date(s): 07/30/2024 07/30/2024
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	<u>RRF</u>	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.567	0.514		-9.3	20.0
1-Methylnaphthalene	0.652	0.670		2.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138834.D
 Acq On : 07 Aug 2024 11:00
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	53283	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	211206	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	116265	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	196393	20.000	ng	0.00
76) Chrysene-d12	14.004	240	90664	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	98369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	271192	78.567	ng	0.00
7) Phenol-d6	6.487	99	358863	77.436	ng	0.00
23) Nitrobenzene-d5	7.410	82	353320	81.789	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	82303	86.419	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	652974	84.384	ng	0.00
79) Terphenyl-d14	12.945	244	485722	89.697	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.593	88	54728	36.215	ng	98
3) Pyridine	3.352	79	133982	36.599	ng	96
4) n-Nitrosodimethylamine	3.316	42	87986	40.355	ng	90
6) Aniline	6.510	93	160393	38.808	ng	# 71
8) 2-Chlorophenol	6.634	128	146600	40.368	ng	98
9) Benzaldehyde	6.398	77	97780	35.197	ng	99
10) Phenol	6.504	94	189069	38.748	ng	81
11) bis(2-Chloroethyl)ether	6.581	93	138480	36.880	ng	99
12) 1,3-Dichlorobenzene	6.781	146	162912	40.075	ng	99
13) 1,4-Dichlorobenzene	6.857	146	163152	39.769	ng	98
14) 1,2-Dichlorobenzene	7.016	146	155794	40.634	ng	100
15) Benzyl Alcohol	6.992	79	138988	41.611	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	223108	34.526	ng	66
17) 2-Methylphenol	7.104	107	118323	39.457	ng	95
18) Hexachloroethane	7.351	117	63333	41.012	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	111841	39.957	ng	97
20) 3+4-Methylphenols	7.263	107	156464	40.665	ng	# 85
22) Acetophenone	7.257	105	215713	41.713	ng	99
24) Nitrobenzene	7.434	77	174039	39.592	ng	98
25) Isophorone	7.669	82	288890	39.164	ng	99
26) 2-Nitrophenol	7.745	139	76416	40.406	ng	96
27) 2,4-Dimethylphenol	7.787	122	90849	40.149	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	173671	38.662	ng	99
29) 2,4-Dichlorophenol	7.992	162	120062	41.292	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	138252	41.202	ng	100
31) Naphthalene	8.145	128	447056	40.213	ng	99
32) Benzoic acid	7.934	122	61171	34.391	ng	96
33) 4-Chloroaniline	8.204	127	151162	40.507	ng	99
34) Hexachlorobutadiene	8.257	225	85814	42.223	ng	98
35) Caprolactam	8.581	113	35289	40.674	ng	96
36) 4-Chloro-3-methylphenol	8.686	107	139253	41.906	ng	99
37) 2-Methylnaphthalene	8.834	142	288482	41.088	ng	100
38) 1-Methylnaphthalene	8.934	142	282811	41.106	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	133281	41.267	ng	98
41) Hexachlorocyclopentadiene	8.981	237	21969	30.427	ng	100
43) 2,4,6-Trichlorophenol	9.122	196	79839	40.544	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138834.D
 Acq On : 07 Aug 2024 11:00
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

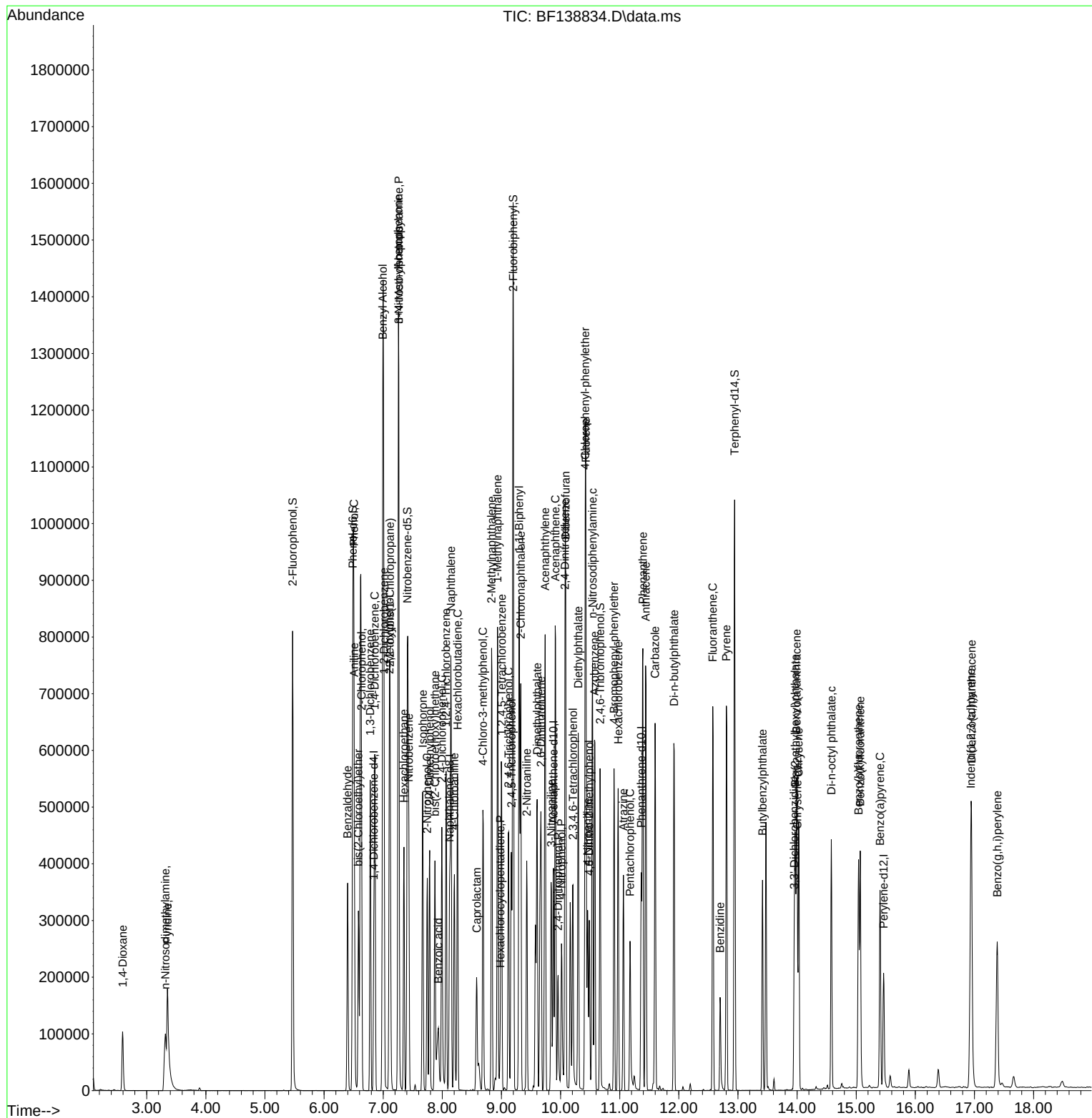
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	87559	40.673	ng	98
46) 1,1'-Biphenyl	9.298	154	370626	40.703	ng	99
47) 2-Chloronaphthalene	9.328	162	273493	40.385	ng	99
48) 2-Nitroaniline	9.428	65	93816	40.863	ng	99
49) Acenaphthylene	9.739	152	384800	40.062	ng	99
50) Dimethylphthalate	9.604	163	308827	41.542	ng	100
51) 2,6-Dinitrotoluene	9.669	165	70309	41.907	ng	91
52) Acenaphthene	9.910	154	259205	40.146	ng	99
53) 3-Nitroaniline	9.845	138	70962	40.914	ng	100
54) 2,4-Dinitrophenol	9.957	184	37607	48.693	ng	91
55) Dibenzofuran	10.086	168	374050	41.040	ng	100
56) 4-Nitrophenol	10.016	139	49386	47.350	ng	93
57) 2,4-Dinitrotoluene	10.075	165	92280	43.111	ng	# 88
58) Fluorene	10.428	166	305046	42.029	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	66253	40.256	ng	95
60) Diethylphthalate	10.298	149	306088	43.424	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	149196	41.796	ng	96
62) 4-Nitroaniline	10.457	138	69745	42.315	ng	91
63) Azobenzene	10.575	77	315548	40.362	ng	98
65) 4,6-Dinitro-2-methylph...	10.486	198	50159	41.863	ng	95
66) n-Nitrosodiphenylamine	10.539	169	248120	40.418	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	86712	40.780	ng	97
68) Hexachlorobenzene	10.975	284	92031	41.919	ng	97
69) Atrazine	11.063	200	59075	37.299	ng	99
70) Pentachlorophenol	11.175	266	49870	50.395	ng	97
71) Phenanthrene	11.392	178	410078	40.551	ng	99
72) Anthracene	11.439	178	412183	41.374	ng	100
73) Carbazole	11.598	167	348504	40.547	ng	98
74) Di-n-butylphthalate	11.922	149	429382	44.439	ng	100
75) Fluoranthene	12.574	202	383912	40.665	ng	99
77) Benzidine	12.698	184	95687	44.125	ng	99
78) Pyrene	12.804	202	390753	45.775	ng	99
80) Butylbenzylphthalate	13.416	149	111817	40.905	ng	94
81) Benzo(a)anthracene	13.992	228	243765	39.044	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	67251	42.093	ng	98
83) Chrysene	14.027	228	227091	40.317	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	144689	36.147	ng	99
85) Di-n-octyl phthalate	14.580	149	267993	36.186	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	278145	39.456	ng	96
88) Benzo(b)fluoranthene	15.039	252	226312	37.113	ng	98
89) Benzo(k)fluoranthene	15.068	252	229269	43.425	ng	98
90) Benzo(a)pyrene	15.404	252	207673	40.488	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	229198	39.608	ng	96
92) Benzo(g,h,i)perylene	17.386	276	230392	38.367	ng	97

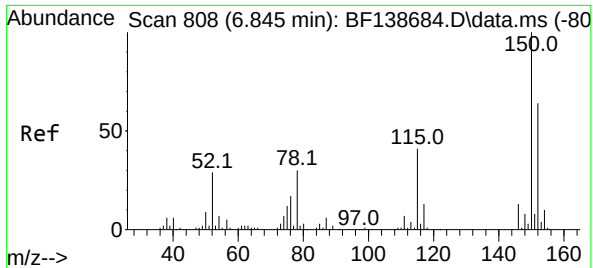
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

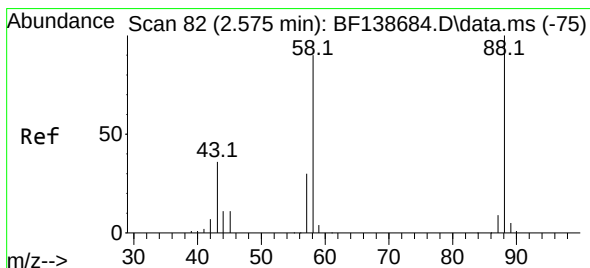
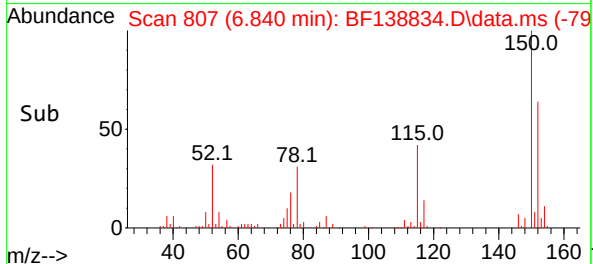
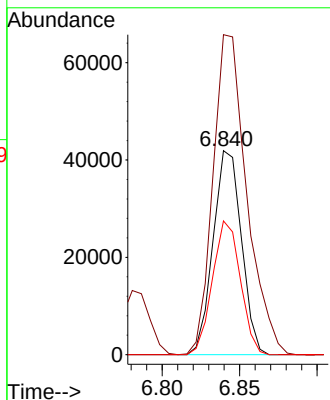
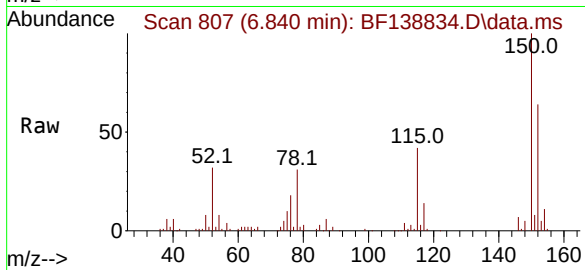




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

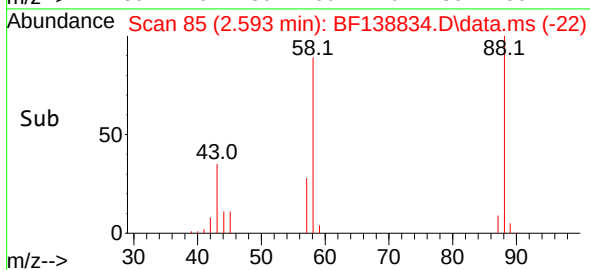
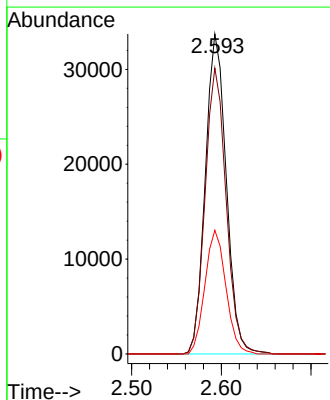
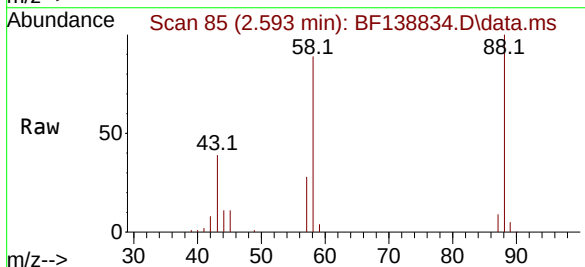
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

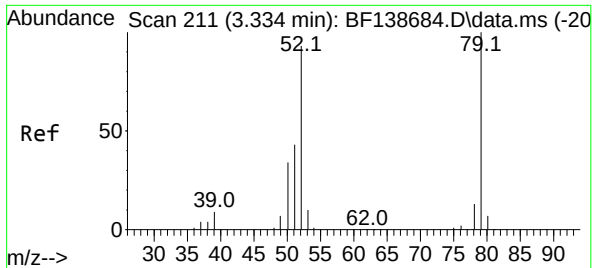
Tgt Ion:152 Resp: 53283
Ion Ratio Lower Upper
152 100
150 156.9 126.0 189.0
115 65.5 51.7 77.5



#2
1,4-Dioxane
Concen: 36.215 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 88 Resp: 54728
Ion Ratio Lower Upper
88 100
58 90.0 71.6 107.4
43 38.7 28.7 43.1

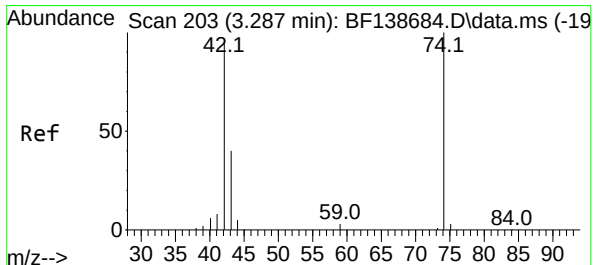
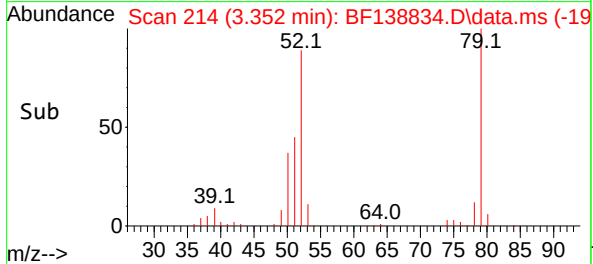
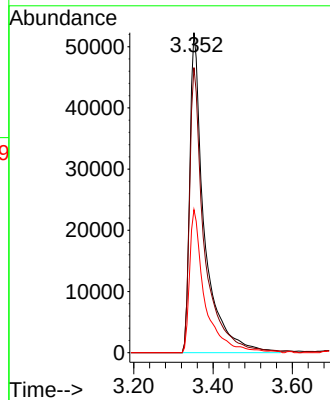
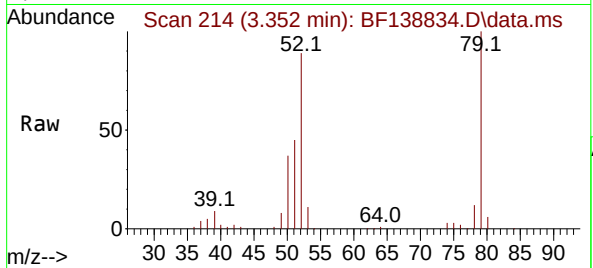




#3
Pyridine
Concen: 36.599 ng
RT: 3.352 min Scan# 211
Delta R.T. 0.018 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

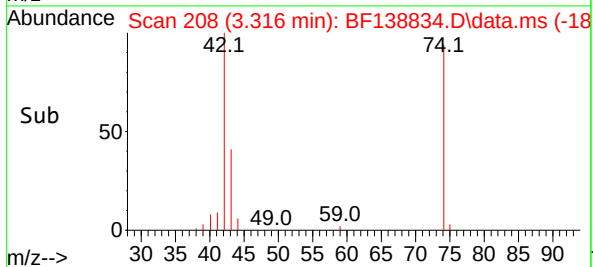
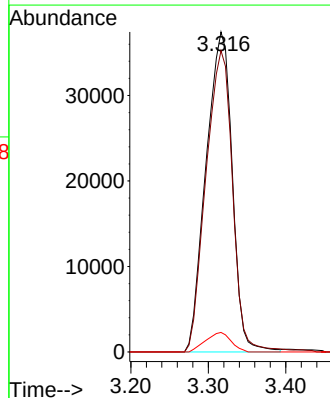
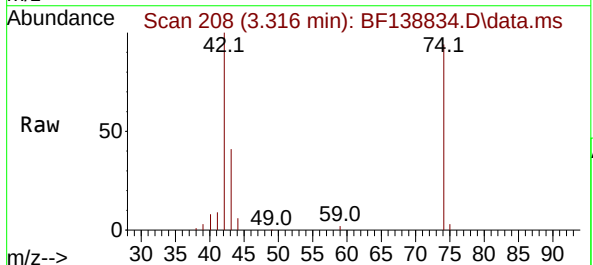
Instrument :
BNA_F
ClientSampleId :
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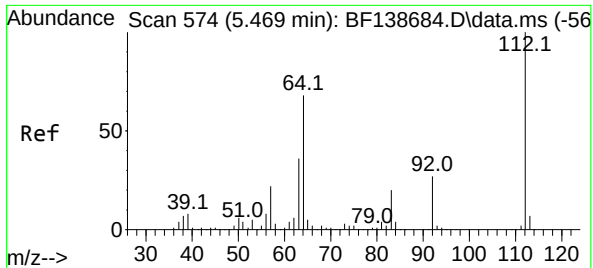
Tgt Ion: 79 Resp: 133982
Ion Ratio Lower Upper
79 100
52 89.1 74.7 112.1
51 44.7 34.6 51.8



#4
n-Nitrosodimethylamine
Concen: 40.355 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.029 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 42 Resp: 87986
Ion Ratio Lower Upper
42 100
74 94.1 84.2 126.4
44 6.1 4.9 7.3

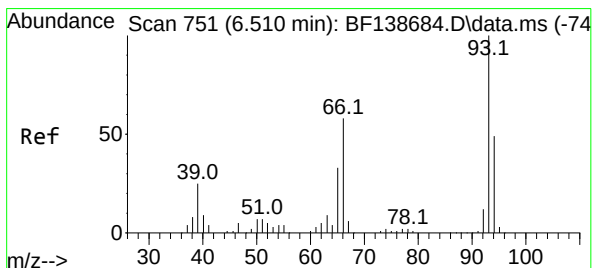
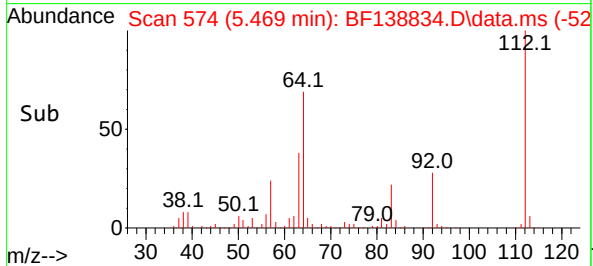
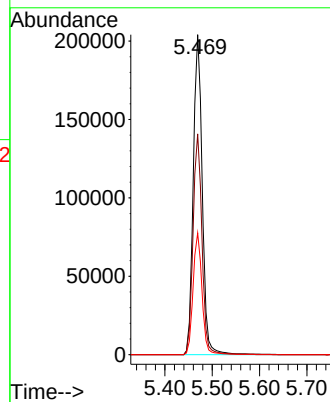
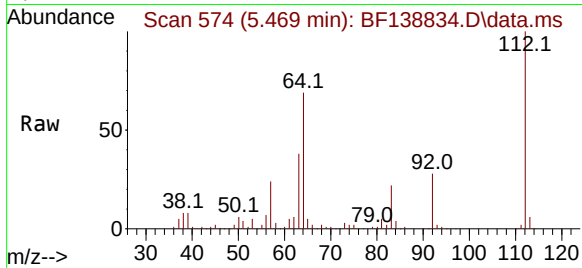




#5
2-Fluorophenol
Concen: 78.567 ng
RT: 5.469 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

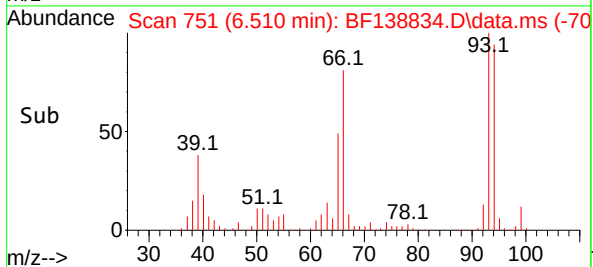
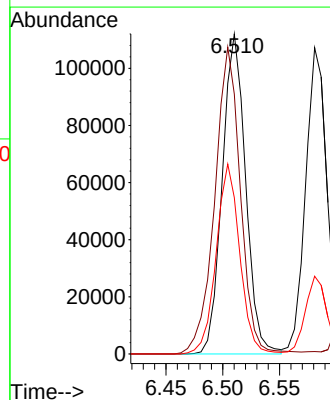
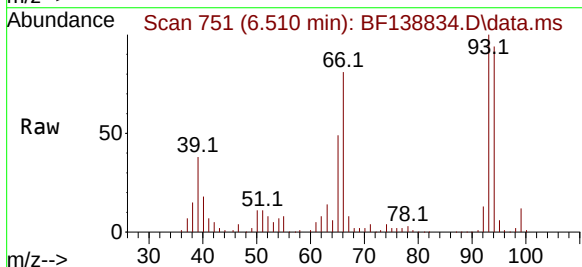
Instrument :
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ClientSampleId :
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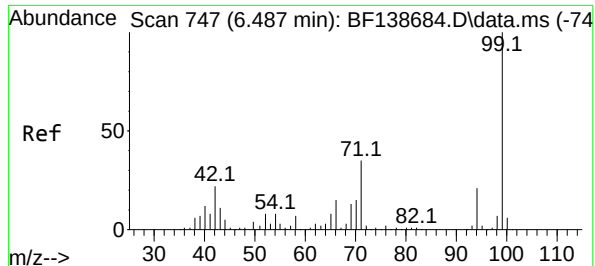
Tgt Ion:112 Resp: 271192
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.4
63 38.1 28.7 43.1



#6
Aniline
Concen: 38.808 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 93 Resp: 160393
Ion Ratio Lower Upper
93 100
66 81.2 46.9 70.3#
65 48.8 26.5 39.7#

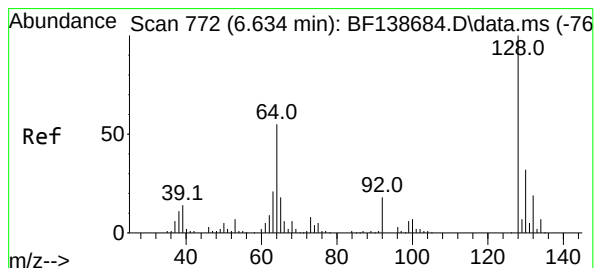
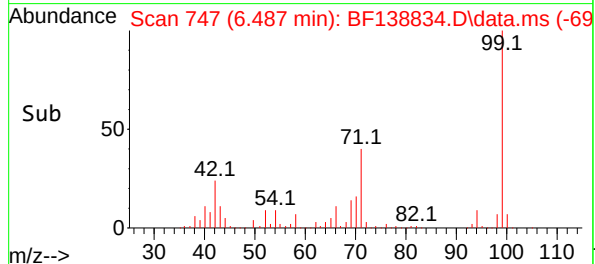
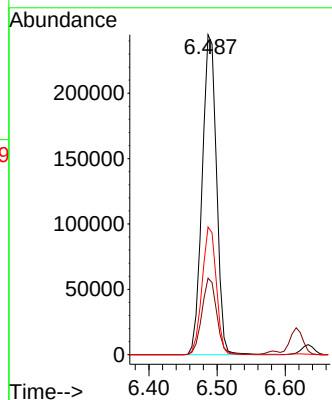
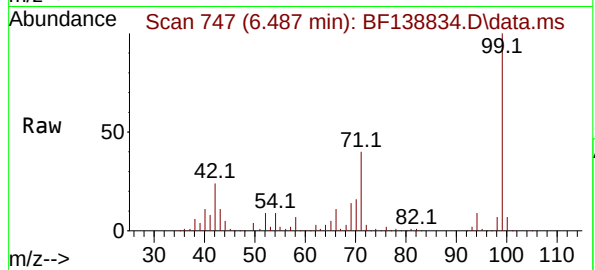




#7
Phenol-d6
Concen: 77.436 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

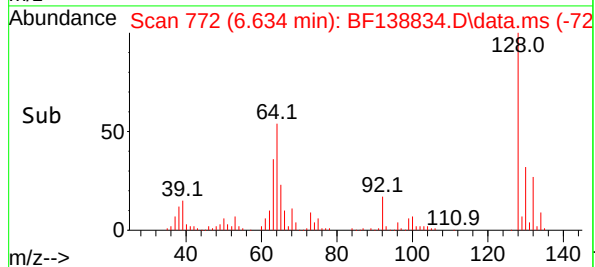
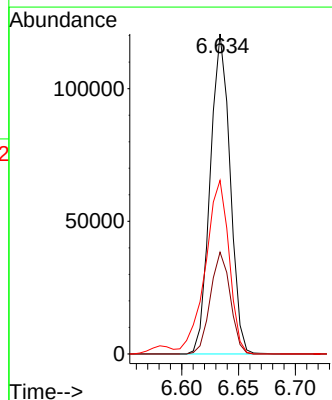
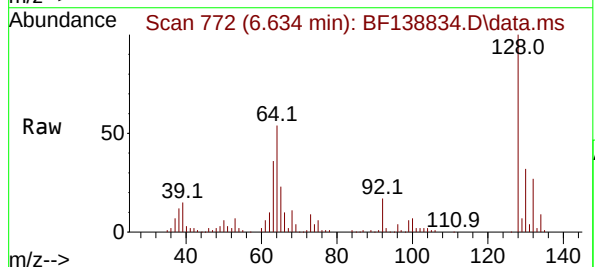
Instrument :
BNA_F
ClientSampleId :
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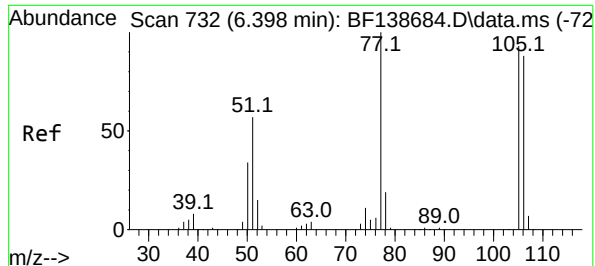
Tgt Ion: 99 Resp: 358863
Ion Ratio Lower Upper
99 100
42 23.9 17.4 26.0
71 39.9 28.1 42.1



#8
2-Chlorophenol
Concen: 40.368 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 128 Resp: 146600
Ion Ratio Lower Upper
128 100
130 31.8 12.0 52.0
64 54.2 36.3 76.3

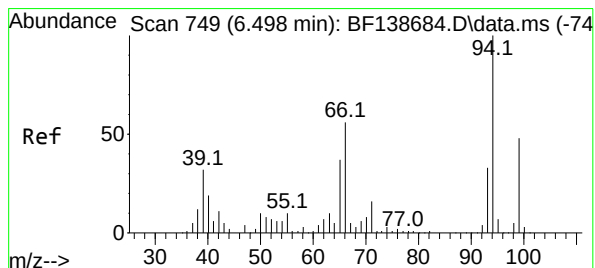
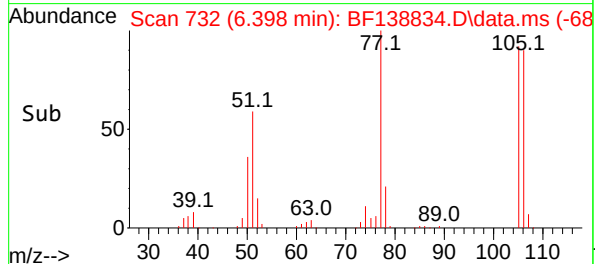
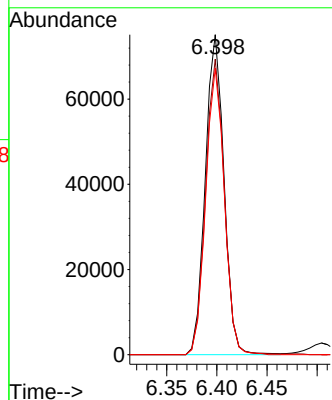
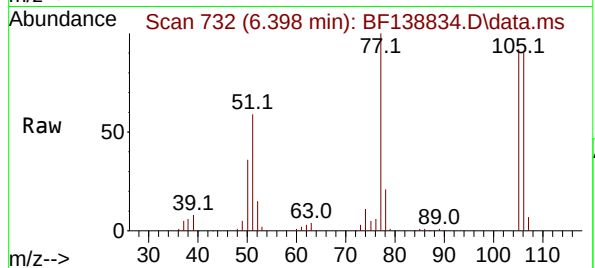




#9
Benzaldehyde
Concen: 35.197 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

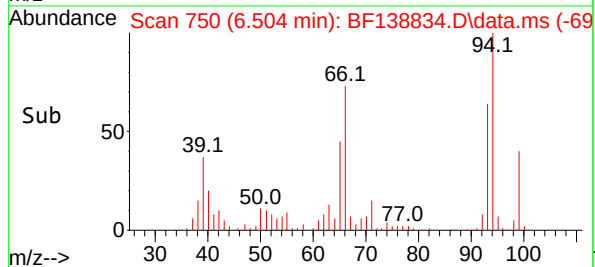
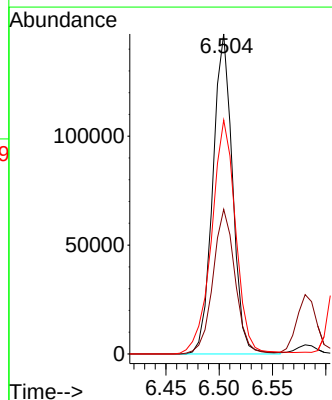
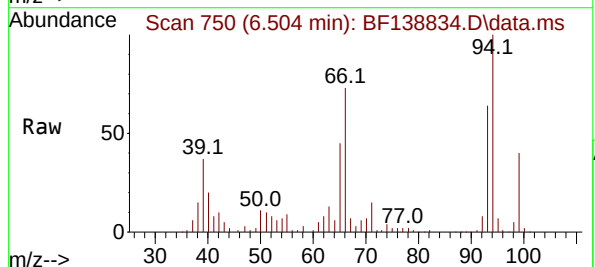
Instrument :
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ClientSampleId :
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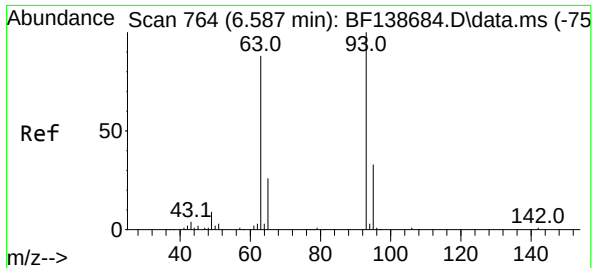
Tgt Ion: 77 Resp: 97780
Ion Ratio Lower Upper
77 100
105 92.4 72.9 112.9
106 89.5 68.4 108.4



#10
Phenol
Concen: 38.748 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 94 Resp: 189069
Ion Ratio Lower Upper
94 100
65 45.2 16.9 56.9
66 73.1 36.5 76.5

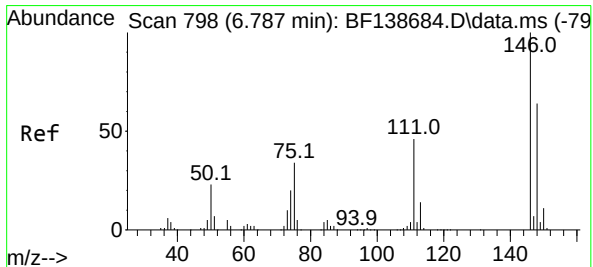
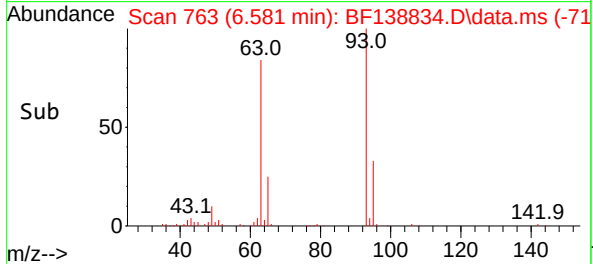
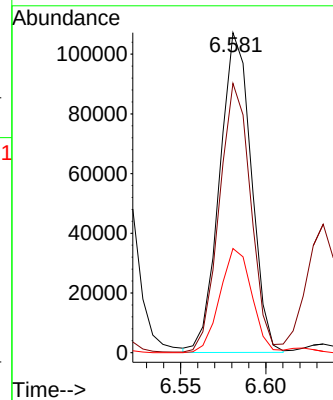
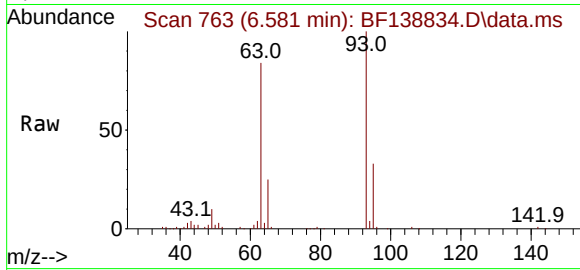




#11
bis(2-Chloroethyl)ether
Concen: 36.880 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

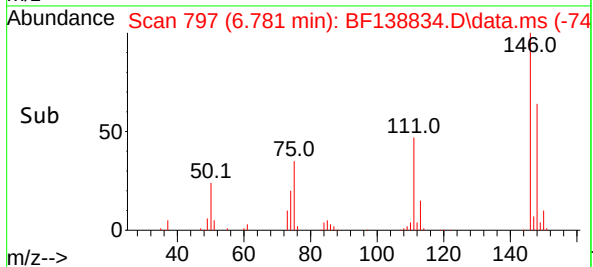
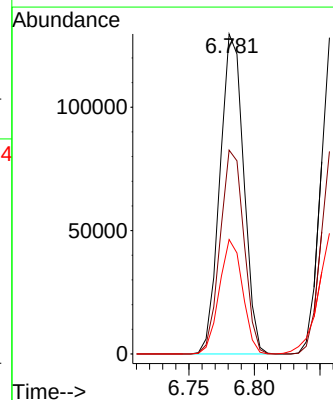
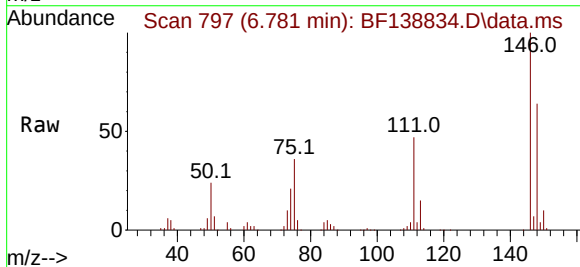
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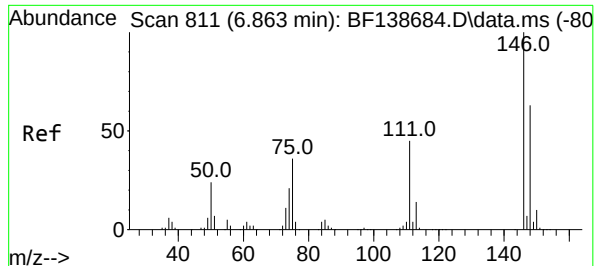
Tgt Ion: 93 Resp: 138480
Ion Ratio Lower Upper
93 100
63 84.2 65.3 105.3
95 32.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 40.075 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 146 Resp: 162912
Ion Ratio Lower Upper
146 100
148 63.7 51.2 76.8
75 35.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.769 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

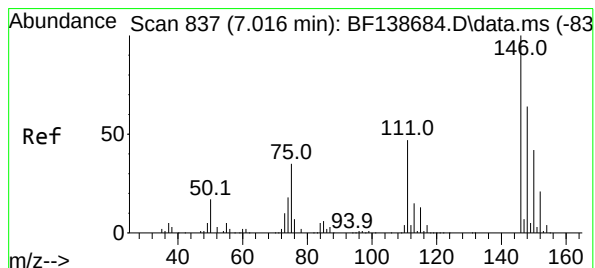
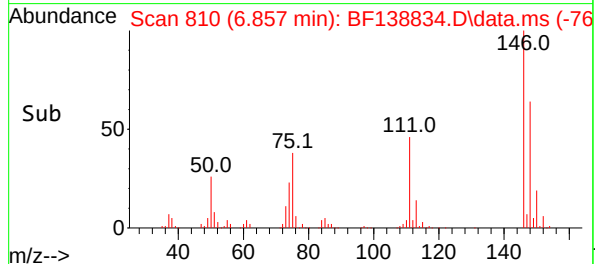
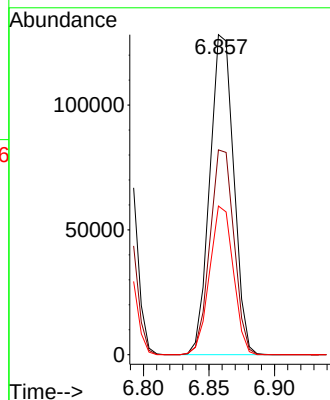
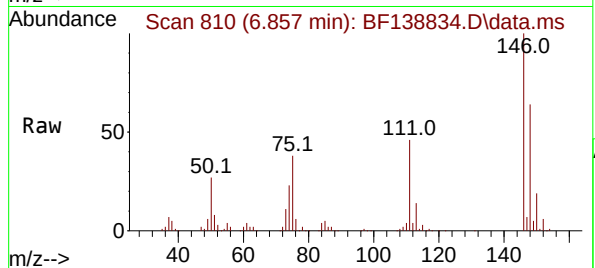
Tgt Ion:146 Resp: 163152

Ion Ratio Lower Upper

146 100

148 64.0 50.2 75.2

111 46.5 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 40.634 ng

RT: 7.016 min Scan# 837

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

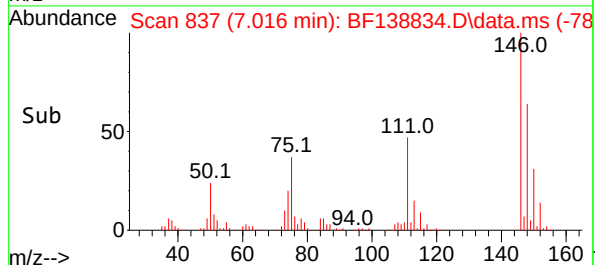
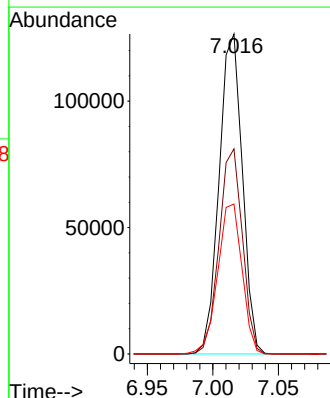
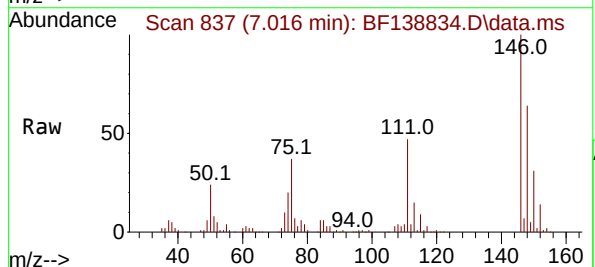
Tgt Ion:146 Resp: 155794

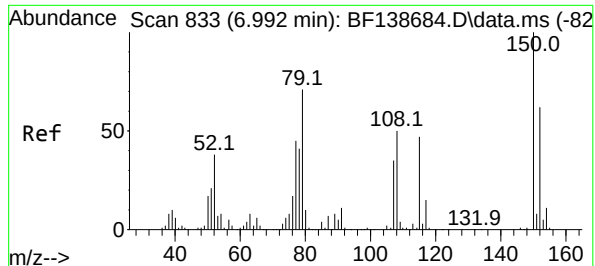
Ion Ratio Lower Upper

146 100

148 64.1 50.8 76.2

111 46.8 37.4 56.2





#15

Benzyl Alcohol

Concen: 41.611 ng

RT: 6.992 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

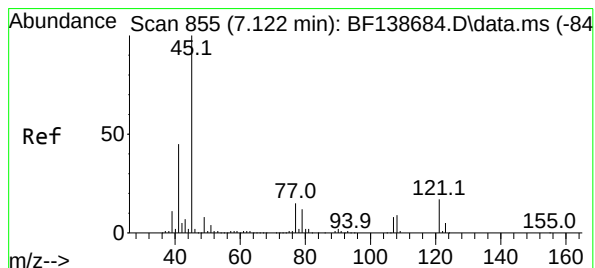
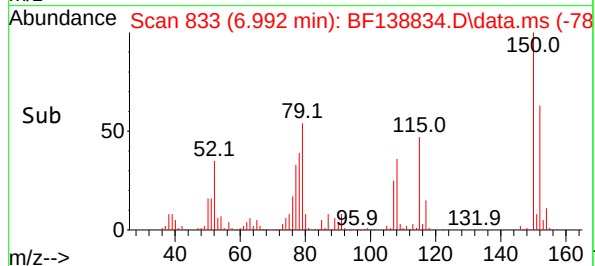
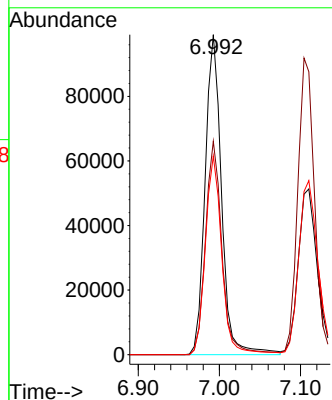
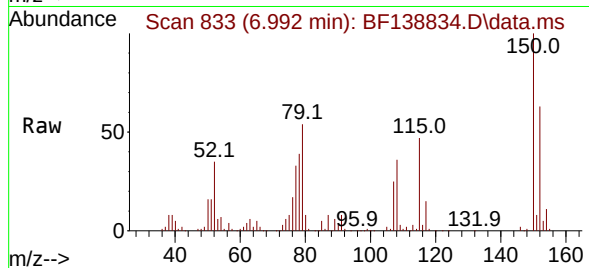
Tgt Ion: 79 Resp: 138988

Ion Ratio Lower Upper

79 100

108 66.7 56.6 85.0

77 62.1 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.526 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

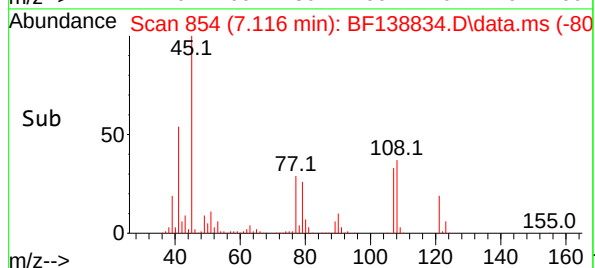
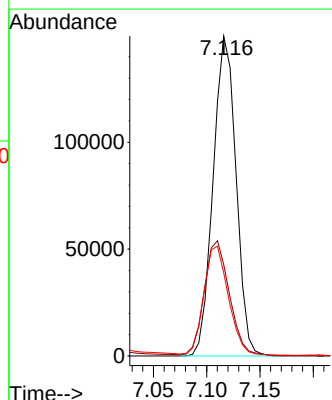
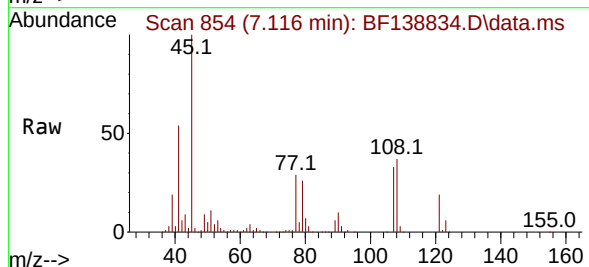
Tgt Ion: 45 Resp: 223108

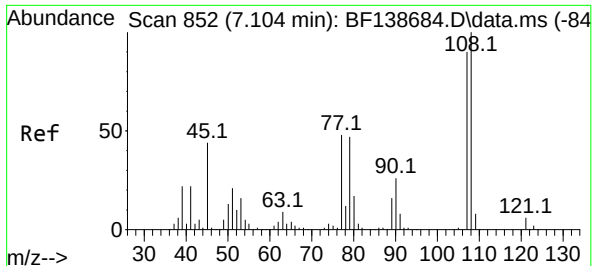
Ion Ratio Lower Upper

45 100

77 28.5 0.0 34.9

79 25.9 0.0 32.2

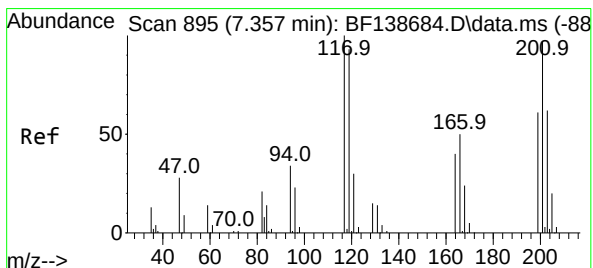
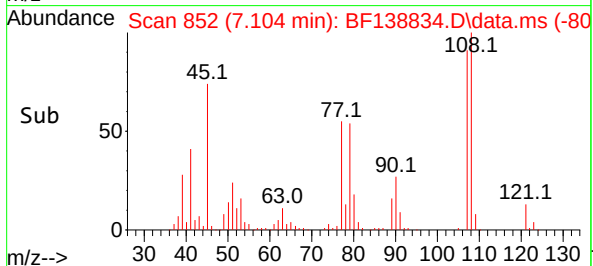
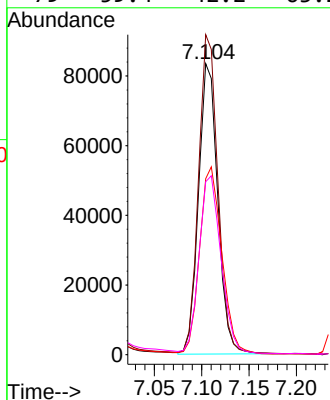
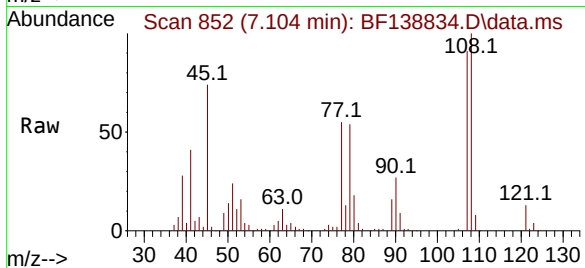




#17
2-Methylphenol
Concen: 39.457 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

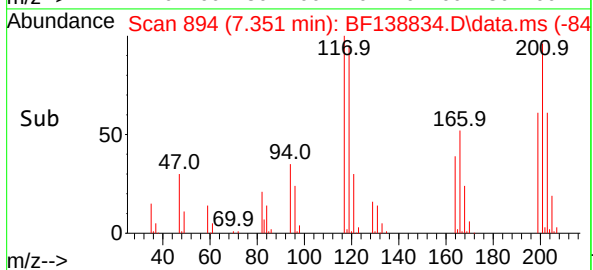
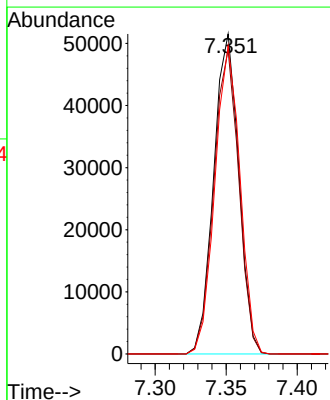
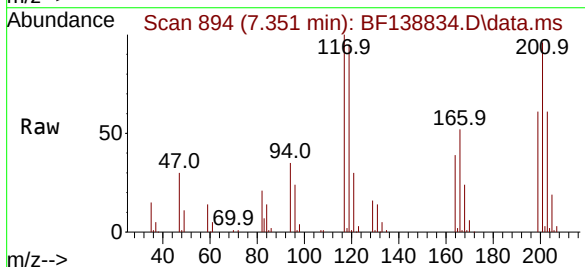
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

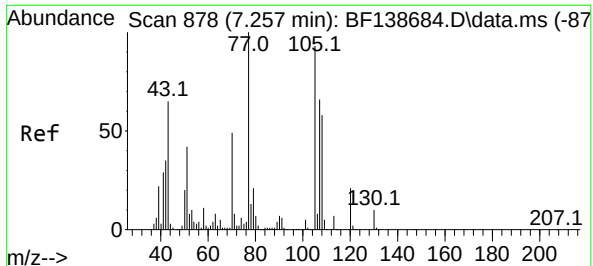
Tgt Ion:107 Resp: 118323
Ion Ratio Lower Upper
107 100
108 109.9 89.2 133.8
77 60.5 43.0 64.4
79 59.4 42.2 63.2



#18
Hexachloroethane
Concen: 41.012 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:117 Resp: 63333
Ion Ratio Lower Upper
117 100
119 95.0 74.6 111.8
201 96.3 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 39.957 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 111841

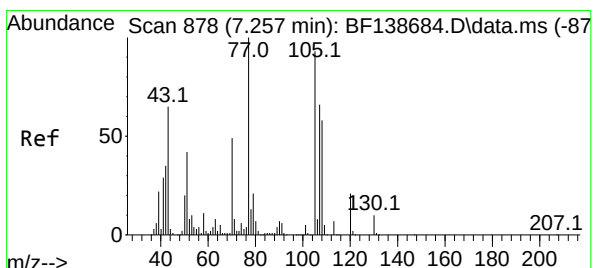
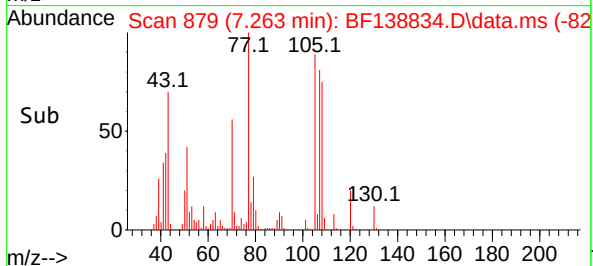
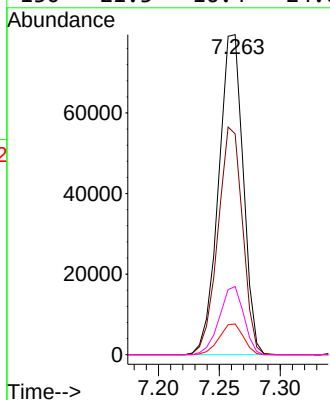
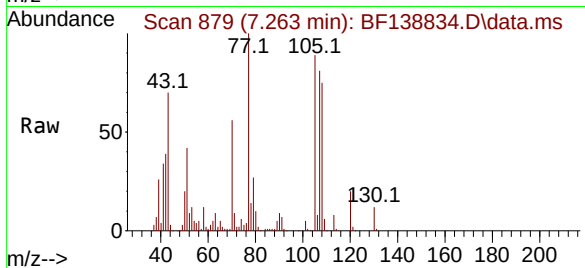
Ion Ratio Lower Upper

70 100

42 69.0 57.4 86.0

101 9.6 7.5 11.3

130 21.3 16.4 24.6



#20

3+4-Methylphenols

Concen: 40.665 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Tgt Ion:107 Resp: 156464

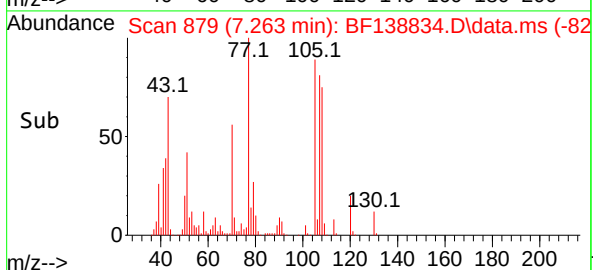
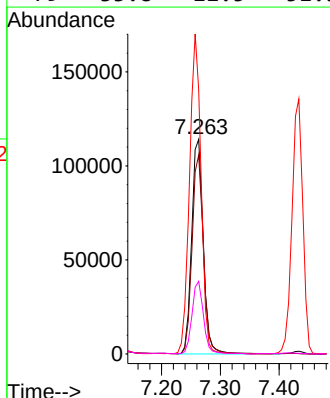
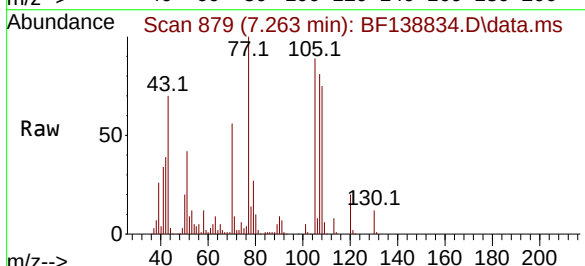
Ion Ratio Lower Upper

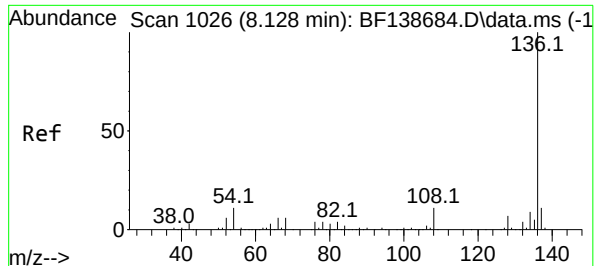
107 100

108 92.7 68.2 108.2

77 123.3 132.1 172.1#

79 33.8 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 211206

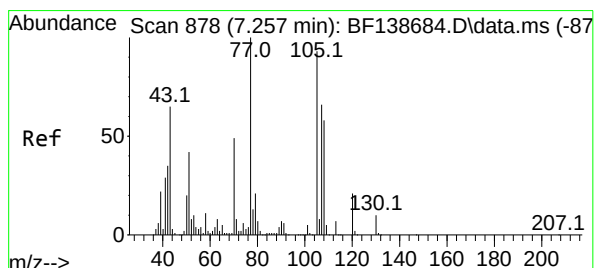
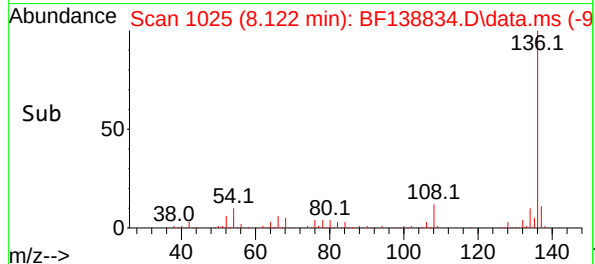
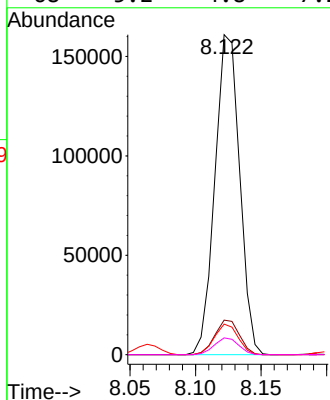
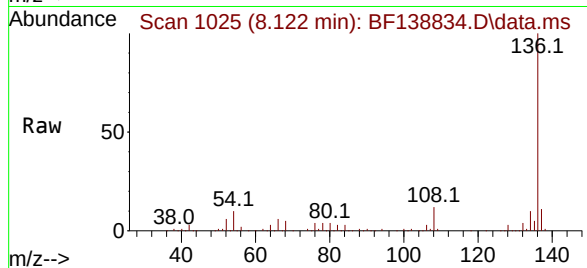
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.5 8.6 12.8

68 5.2 4.8 7.2



#22

Acetophenone

Concen: 41.713 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Tgt Ion:105 Resp: 215713

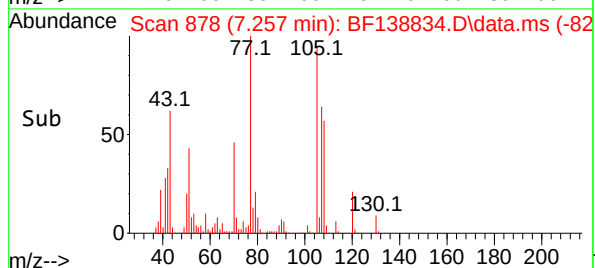
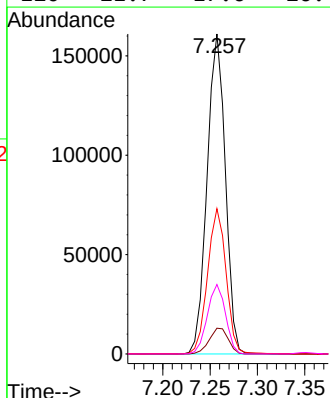
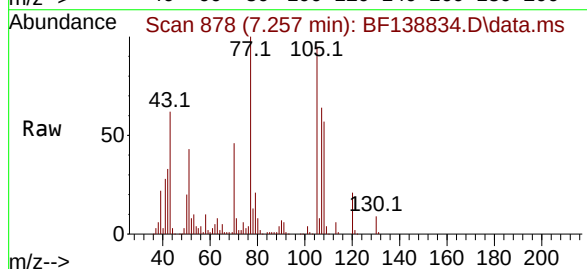
Ion Ratio Lower Upper

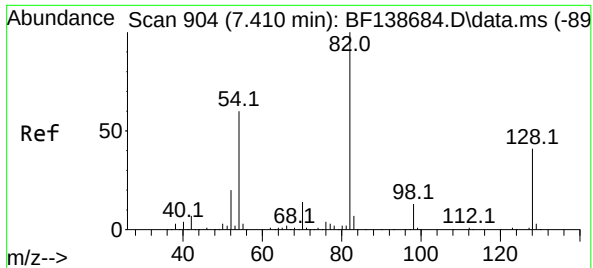
105 100

71 8.0 7.2 10.8

51 45.4 35.9 53.9

120 21.7 17.6 26.4





#23

Nitrobenzene-d5

Concen: 81.789 ng

RT: 7.410 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

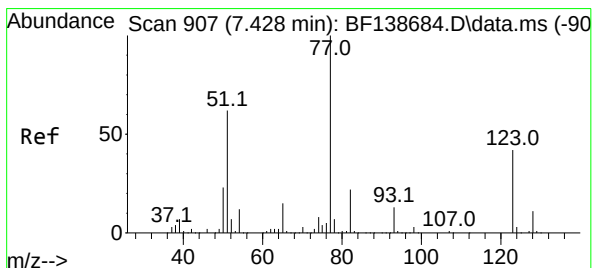
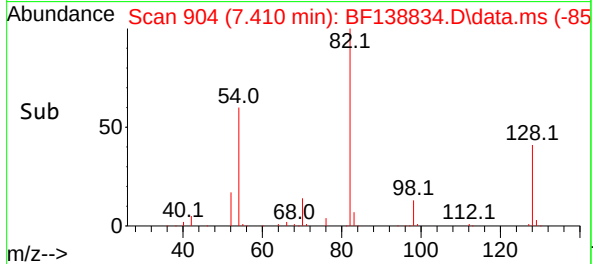
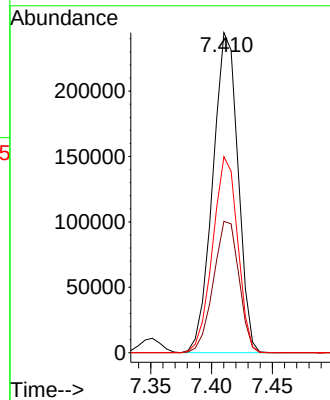
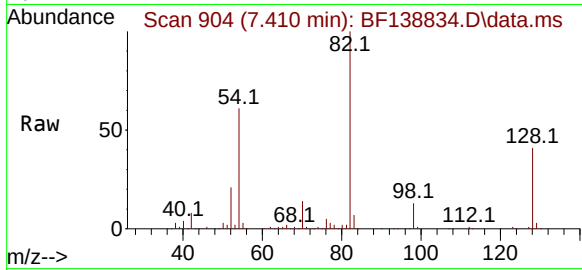
Tgt Ion: 82 Resp: 353320

Ion Ratio Lower Upper

82 100

128 41.1 32.8 49.2

54 61.3 48.3 72.5



#24

Nitrobenzene

Concen: 39.592 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

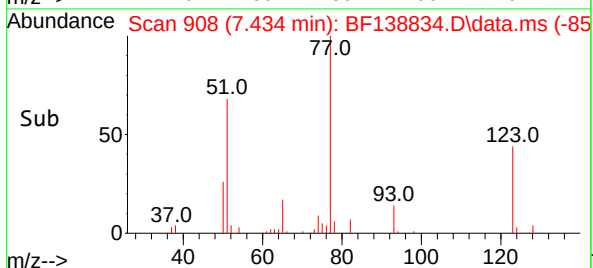
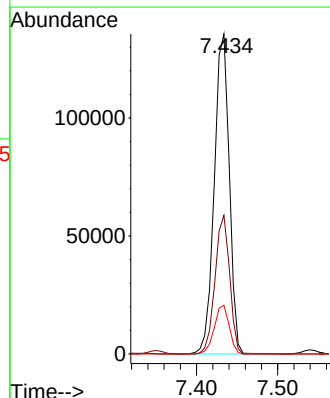
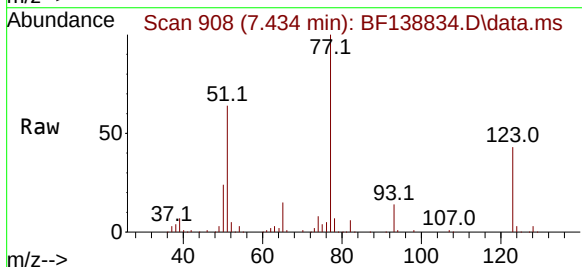
Tgt Ion: 77 Resp: 174039

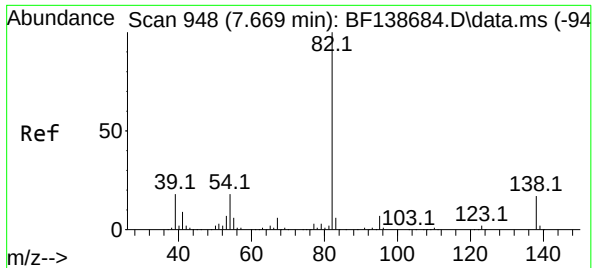
Ion Ratio Lower Upper

77 100

123 43.3 33.3 49.9

65 15.2 11.9 17.9





#25

Isophorone

Concen: 39.164 ng

RT: 7.669 min Scan# 948

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

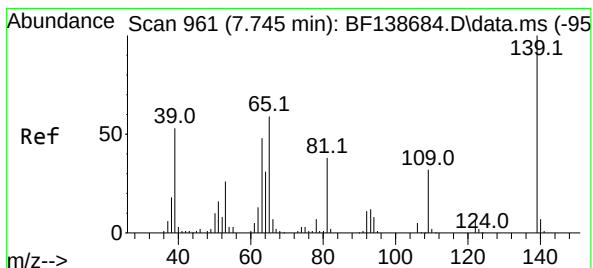
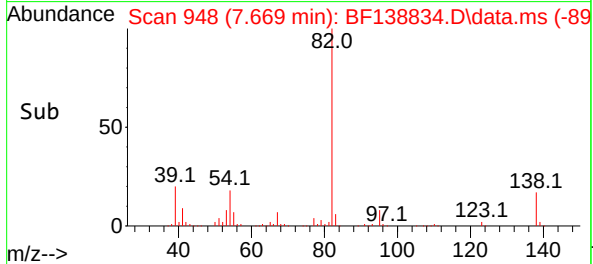
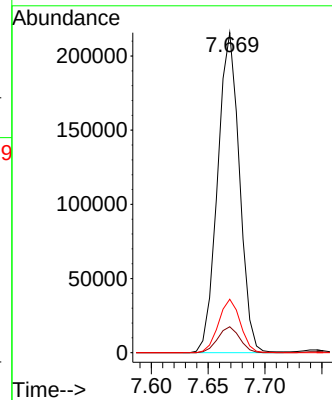
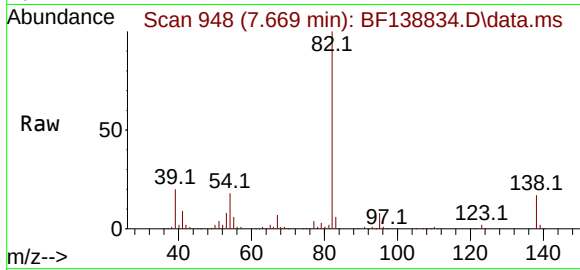
Tgt Ion: 82 Resp: 288890

Ion Ratio Lower Upper

82 100

95 8.1 5.7 8.5

138 16.7 13.7 20.5



#26

2-Nitrophenol

Concen: 40.406 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

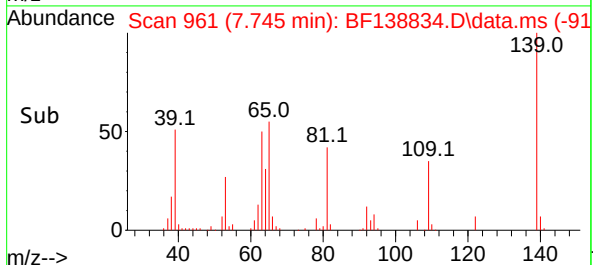
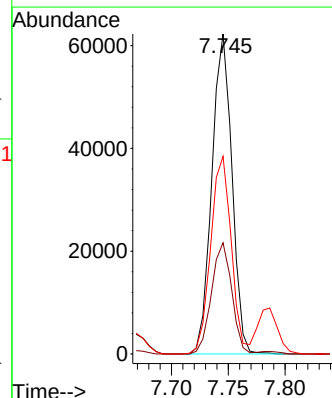
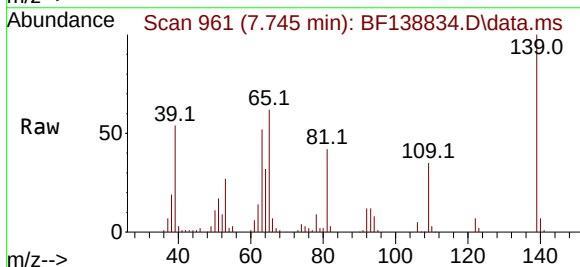
Tgt Ion:139 Resp: 76416

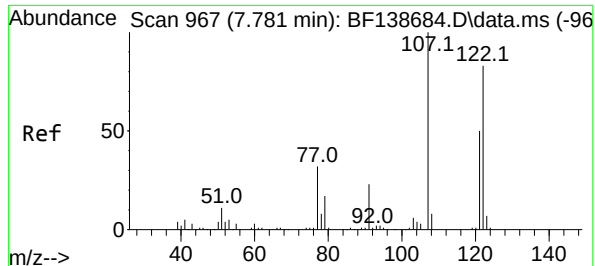
Ion Ratio Lower Upper

139 100

109 34.8 25.9 38.9

65 61.8 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 40.149 ng

RT: 7.787 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

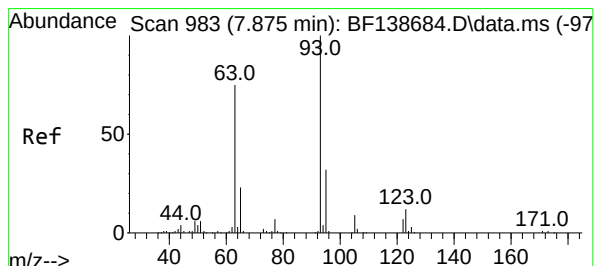
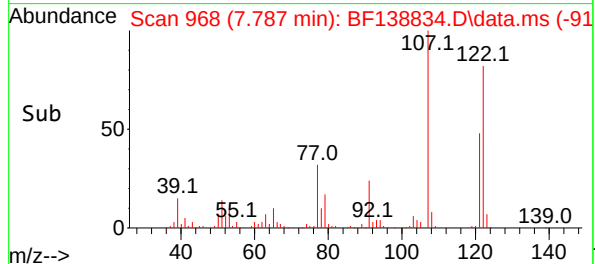
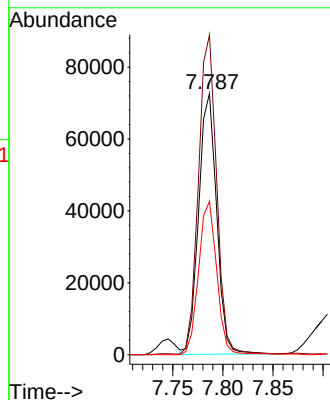
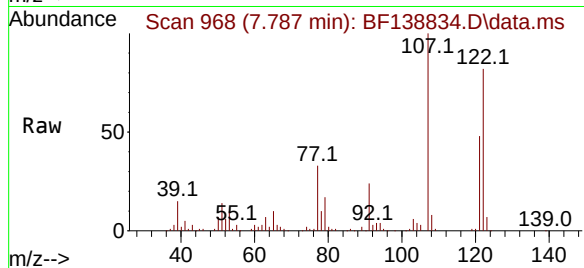
Tgt Ion:122 Resp: 90849

Ion Ratio Lower Upper

122 100

107 122.5 95.0 142.6

121 58.7 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 38.662 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

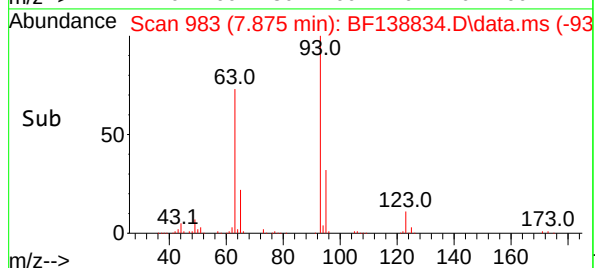
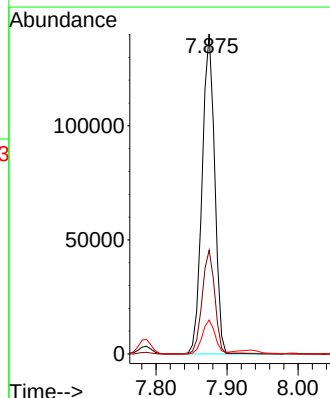
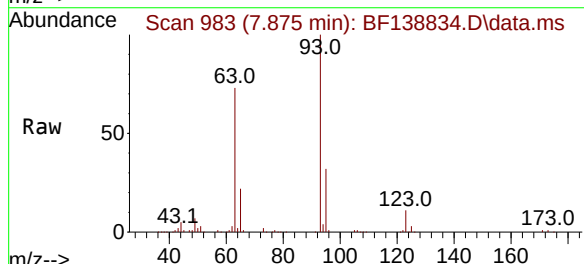
Tgt Ion: 93 Resp: 173671

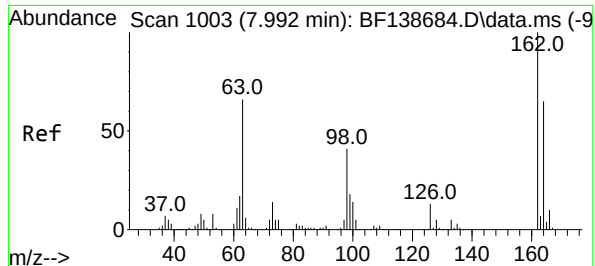
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.8

123 10.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 41.292 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

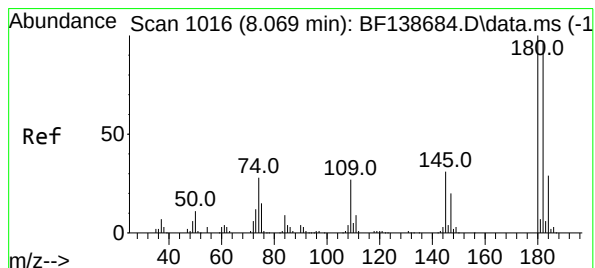
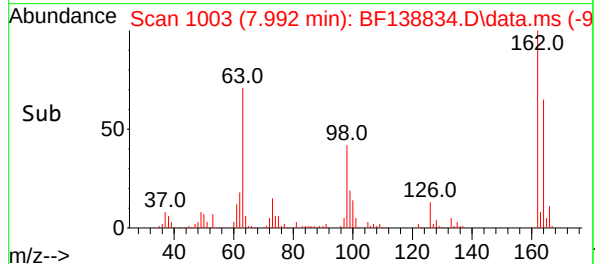
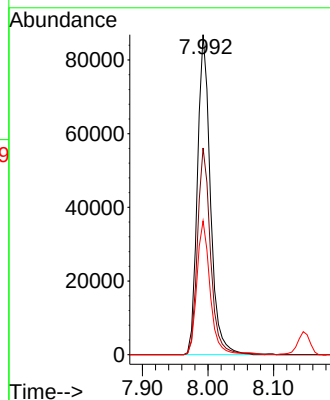
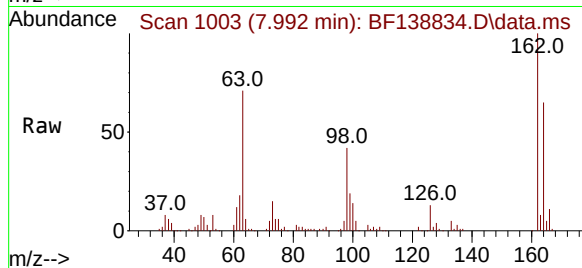
Tgt Ion:162 Resp: 120062

Ion Ratio Lower Upper

162 100

164 64.6 44.7 84.7

98 41.8 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 41.202 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

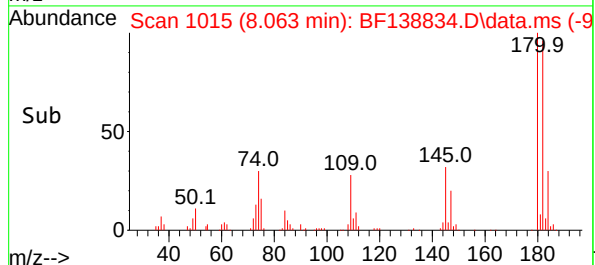
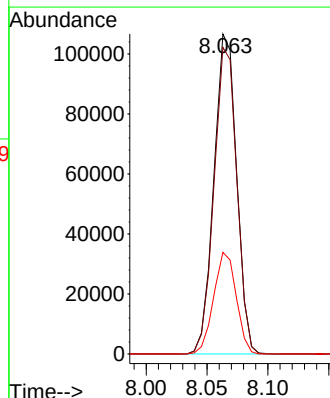
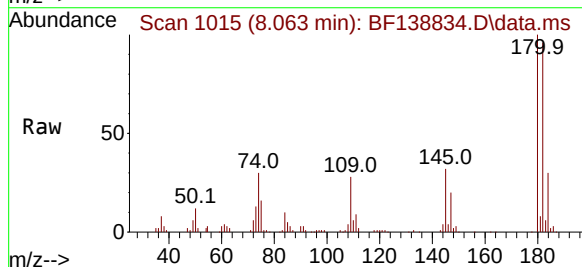
Tgt Ion:180 Resp: 138252

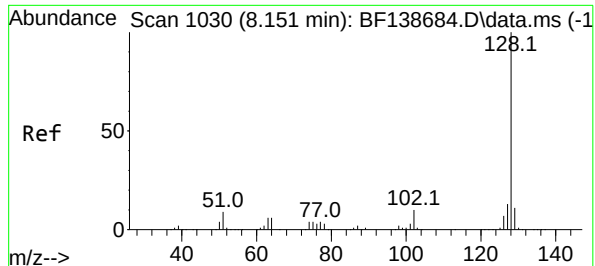
Ion Ratio Lower Upper

180 100

182 95.8 76.9 115.3

145 31.8 25.0 37.4





#31

Naphthalene

Concen: 40.213 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

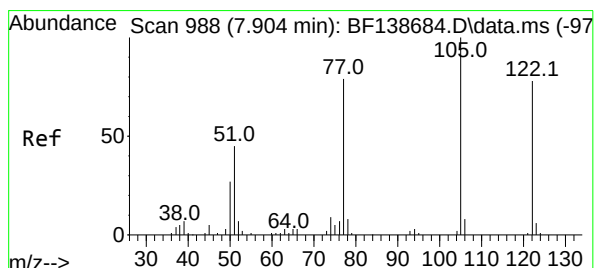
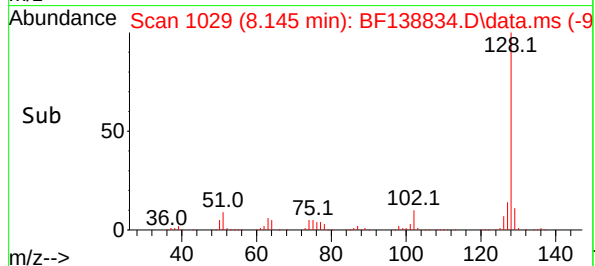
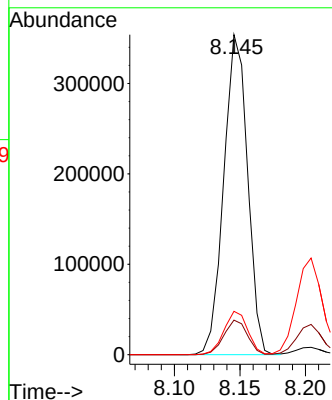
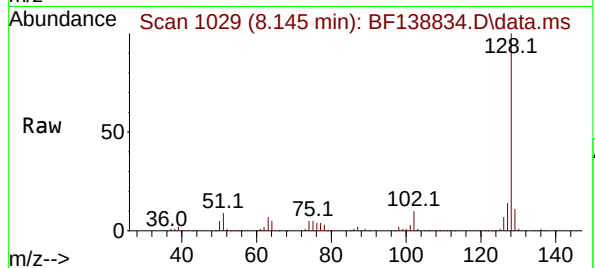
Tgt Ion:128 Resp: 447056

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.6 10.6 16.0



#32

Benzoic acid

Concen: 34.391 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.030 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

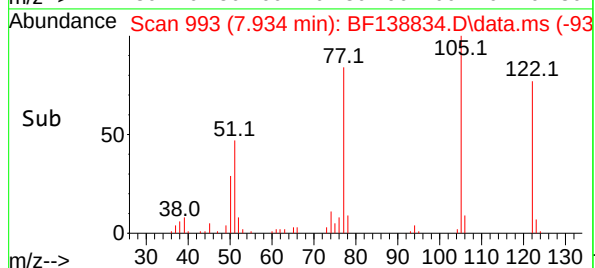
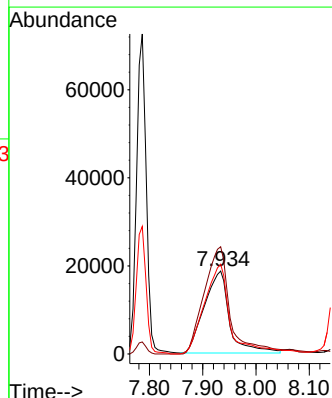
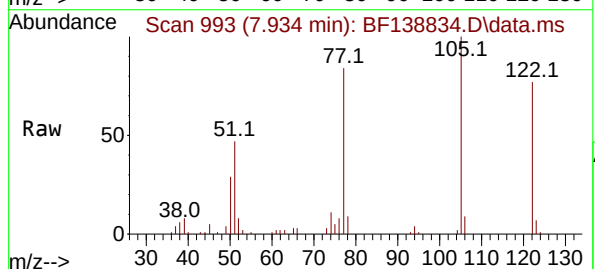
Tgt Ion:122 Resp: 61171

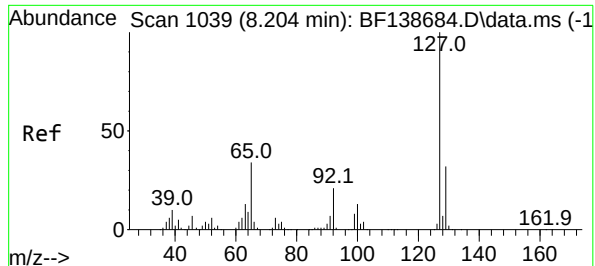
Ion Ratio Lower Upper

122 100

105 129.5 106.7 146.7

77 108.2 81.1 121.1





#33

4-Chloroaniline

Concen: 40.507 ng

RT: 8.204 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 151162

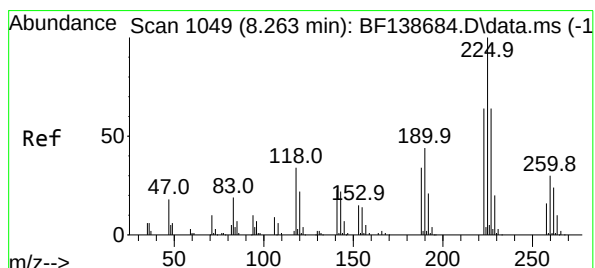
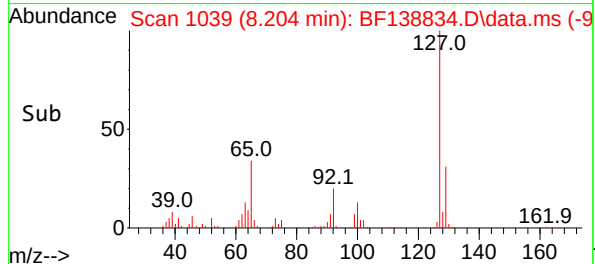
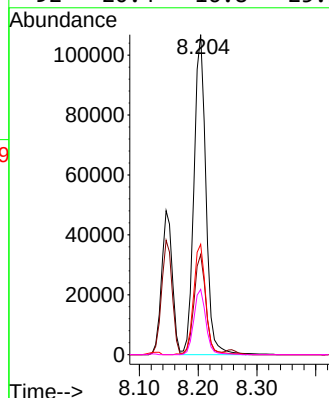
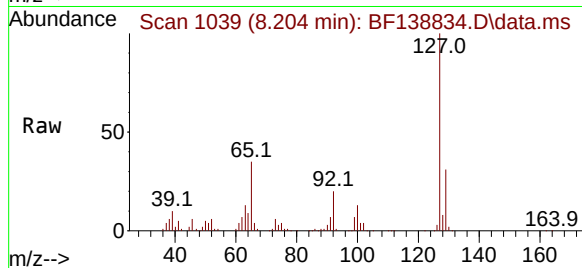
Ion Ratio Lower Upper

127 100

129 31.2 25.9 38.9

65 34.5 27.6 41.4

92 20.4 16.8 25.2



#34

Hexachlorobutadiene

Concen: 42.223 ng

RT: 8.257 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

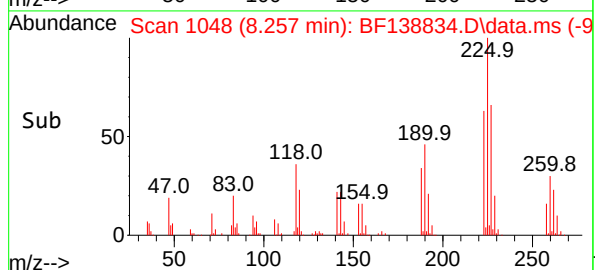
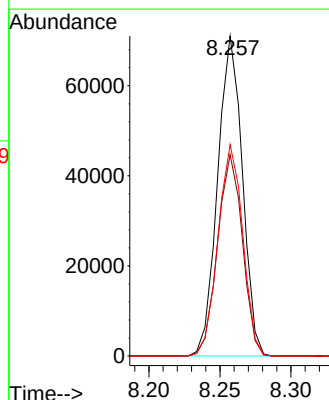
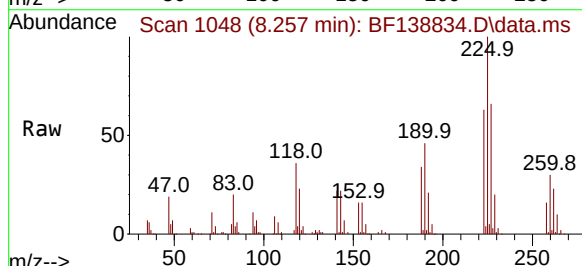
Tgt Ion:225 Resp: 85814

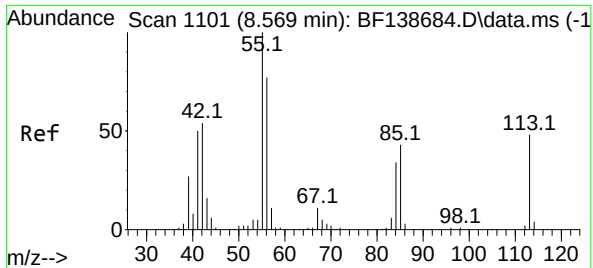
Ion Ratio Lower Upper

225 100

223 62.9 51.2 76.8

227 66.0 51.1 76.7

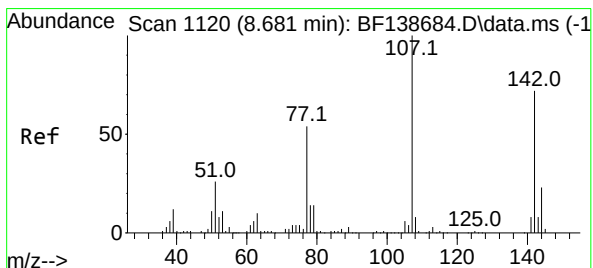
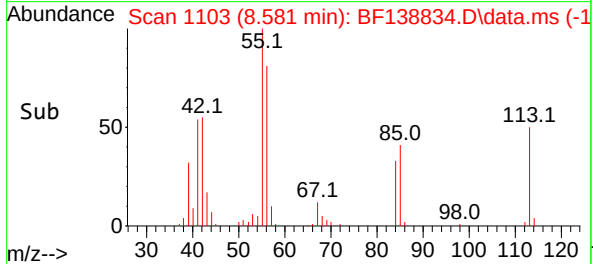
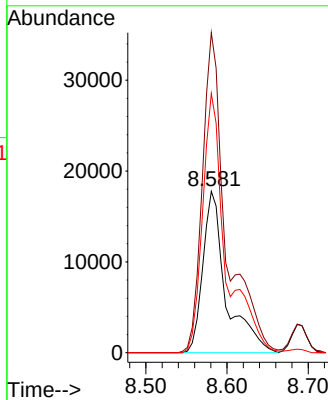
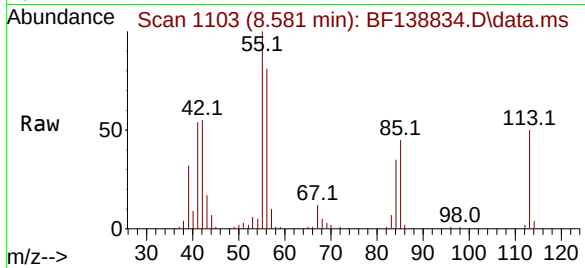




#35
Caprolactam
Concen: 40.674 ng
RT: 8.581 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

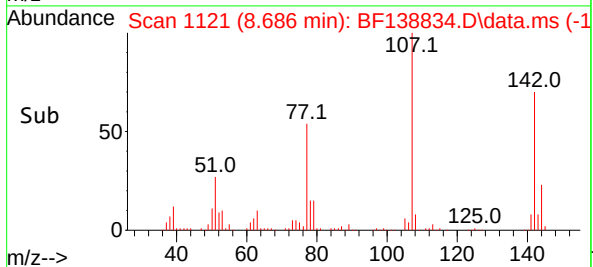
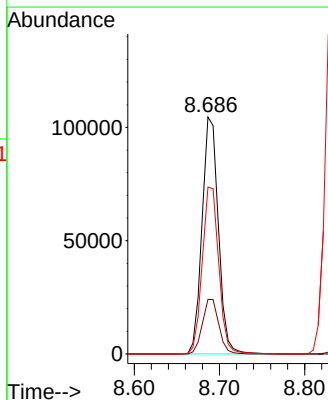
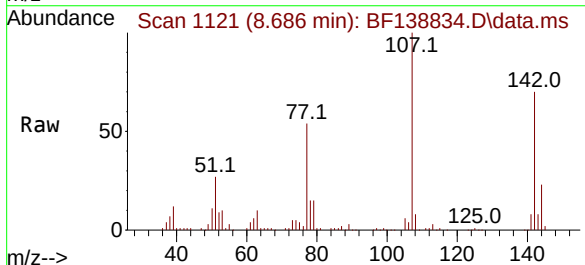
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

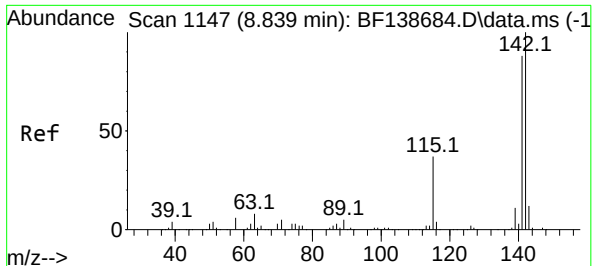
Tgt Ion:113 Resp: 35289
Ion Ratio Lower Upper
113 100
55 198.3 186.7 226.7
56 160.7 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 41.906 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:107 Resp: 139253
Ion Ratio Lower Upper
107 100
144 23.0 18.2 27.2
142 70.4 57.4 86.2





#37

2-Methylnaphthalene

Concen: 41.088 ng

RT: 8.834 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

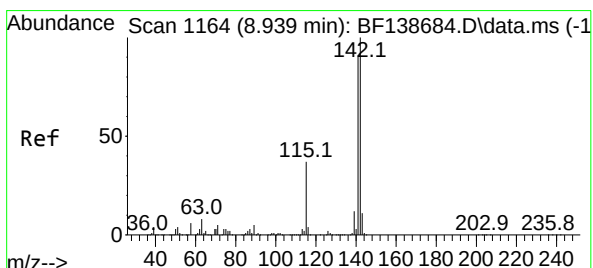
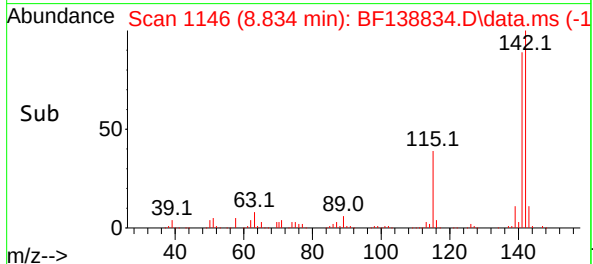
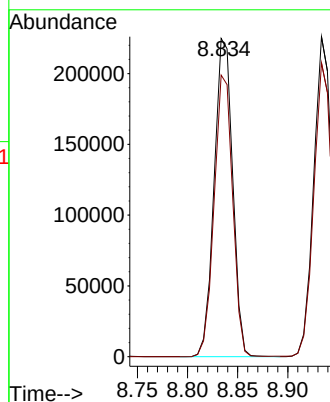
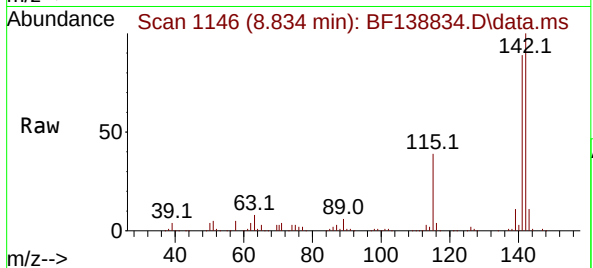
SSTDCCC040

Tgt Ion:142 Resp: 288482

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 41.106 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138834.D

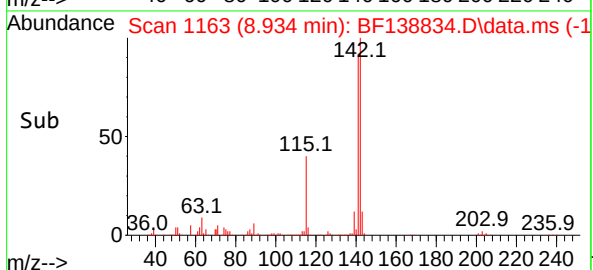
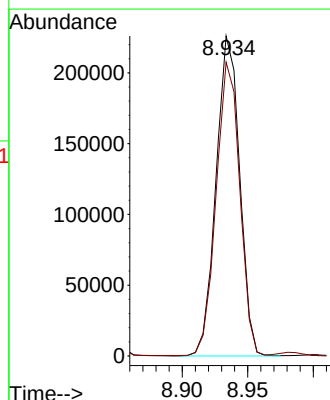
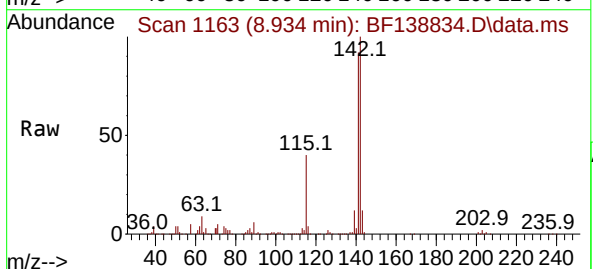
Acq: 07 Aug 2024 11:00

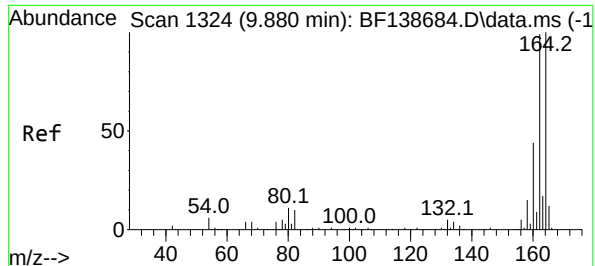
Tgt Ion:142 Resp: 282811

Ion Ratio Lower Upper

142 100

141 91.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1175

Delta R.T. 0.001 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

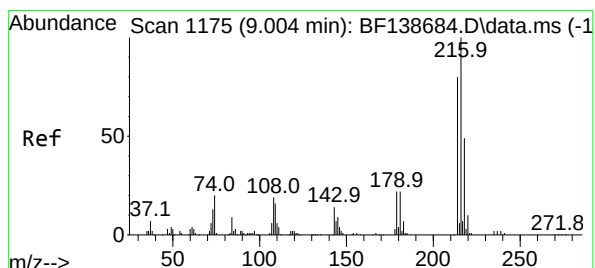
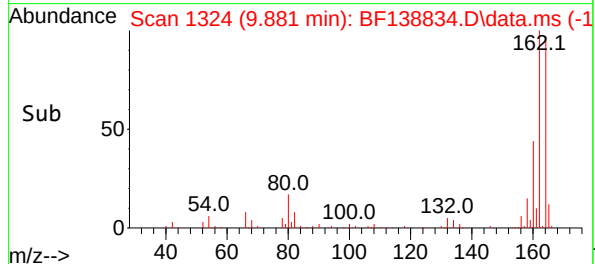
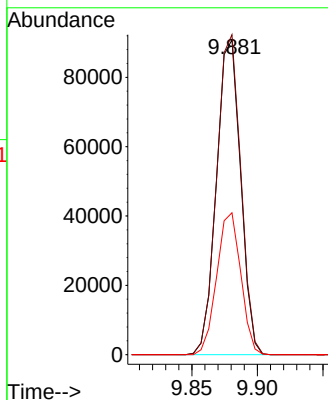
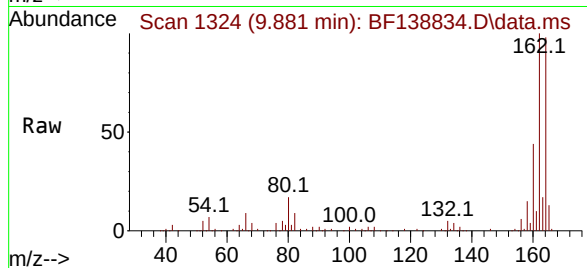
Tgt Ion:164 Resp: 116265

Ion Ratio Lower Upper

164 100

162 101.6 79.4 119.0

160 45.1 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.267 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Tgt Ion:216 Resp: 133281

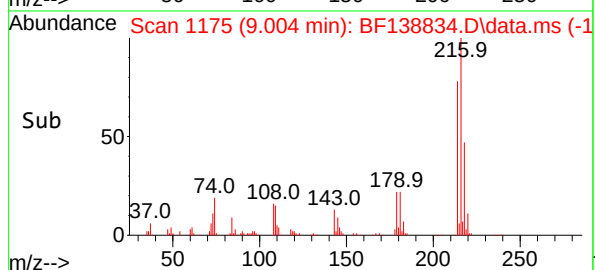
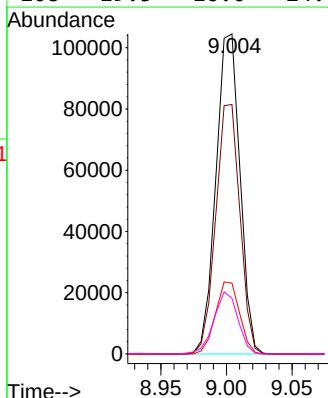
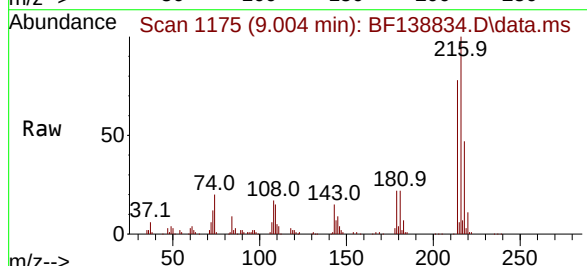
Ion Ratio Lower Upper

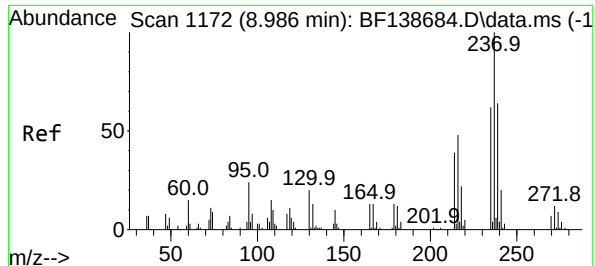
216 100

214 78.1 63.9 95.9

179 22.5 17.8 26.6

108 19.5 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 30.427 ng

RT: 8.981 min Scan# 1172

Delta R.T. -0.005 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

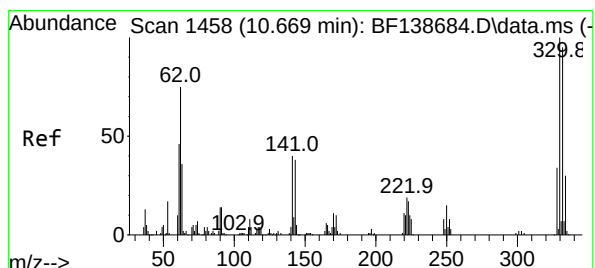
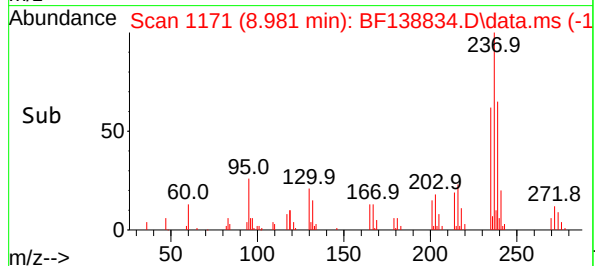
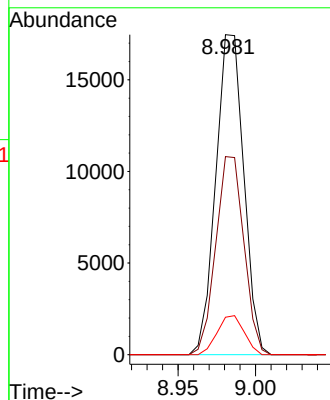
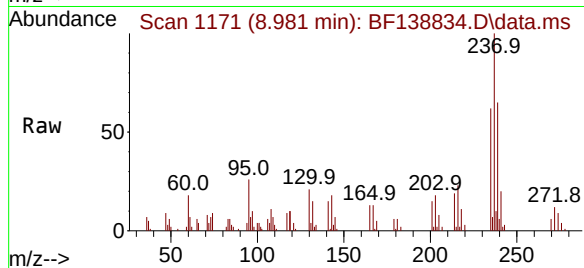
Tgt Ion:237 Resp: 21969

Ion Ratio Lower Upper

237 100

235 61.9 41.8 81.8

272 11.7 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 86.419 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

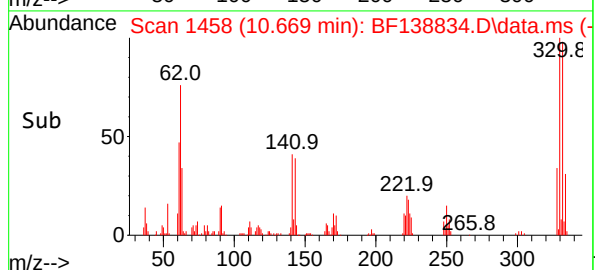
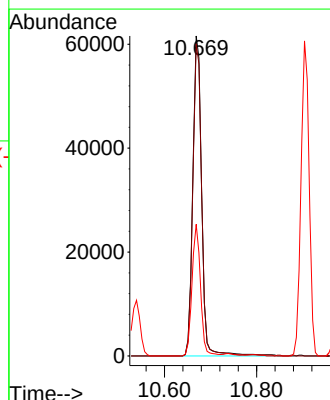
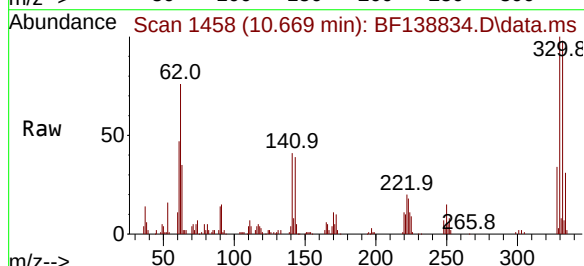
Tgt Ion:330 Resp: 82303

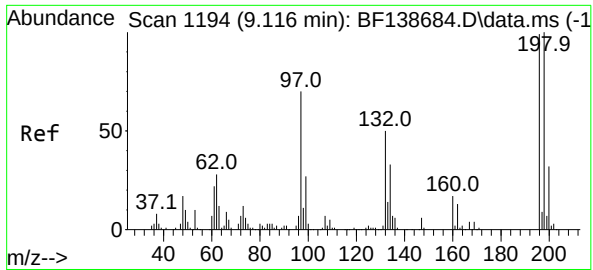
Ion Ratio Lower Upper

330 100

332 96.2 76.4 114.6

141 39.4 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 40.544 ng

RT: 9.122 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

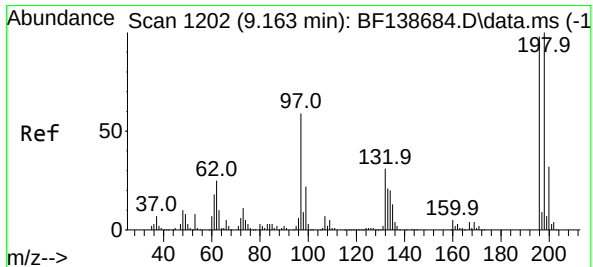
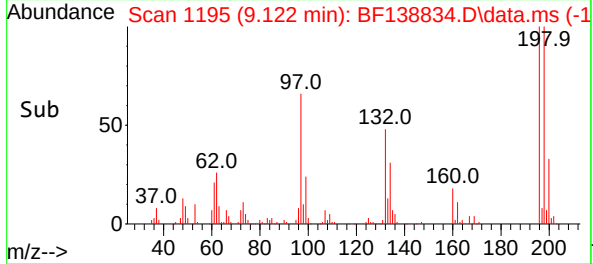
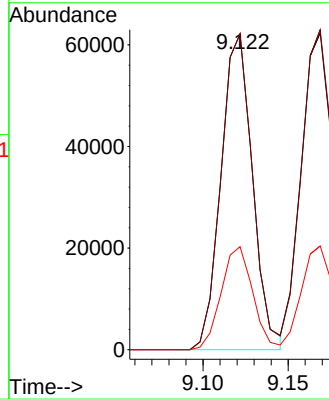
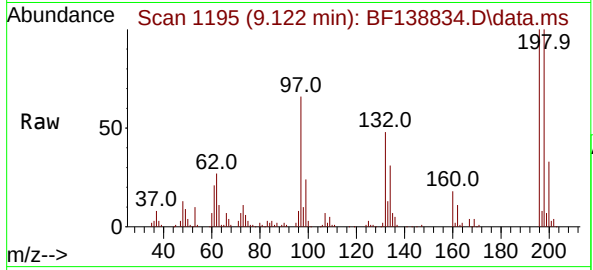
Tgt Ion:196 Resp: 79839

Ion Ratio Lower Upper

196 100

198 100.1 80.5 120.7

200 32.6 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 40.673 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Tgt Ion:196 Resp: 87559

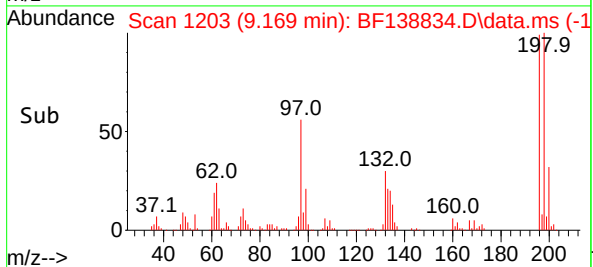
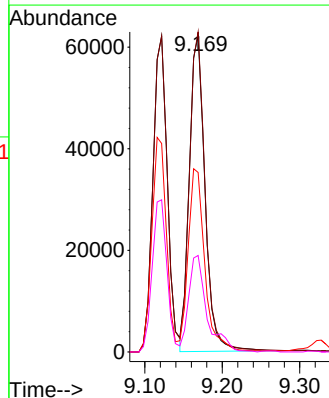
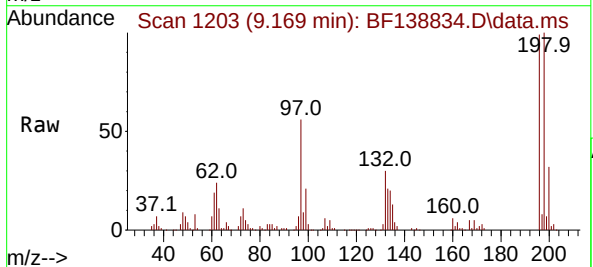
Ion Ratio Lower Upper

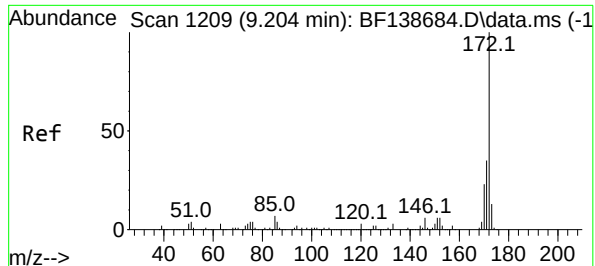
196 100

198 101.0 81.2 121.8

97 56.7 47.8 71.6

132 30.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 84.384 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

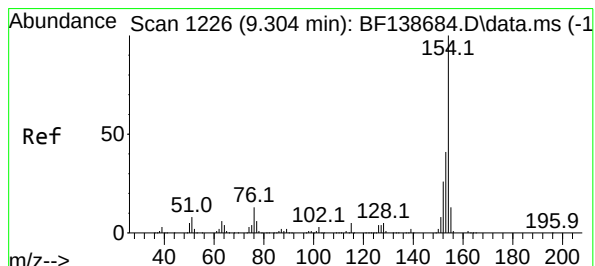
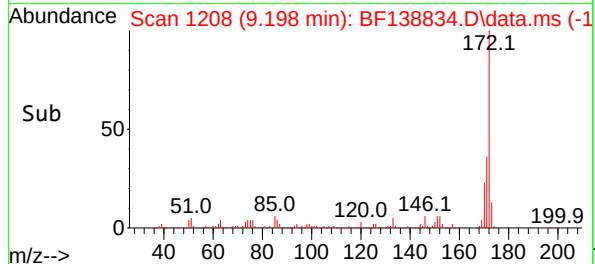
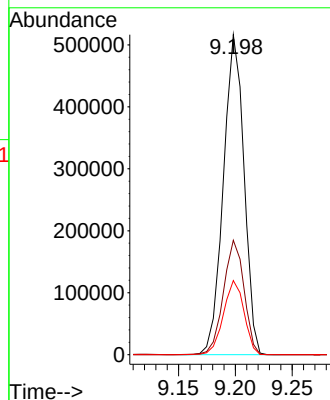
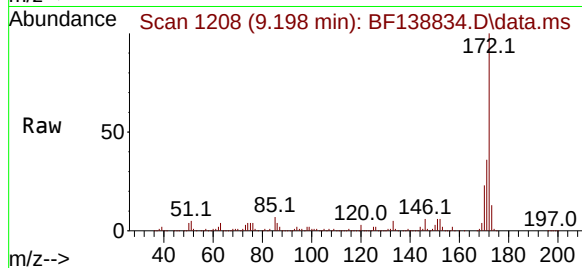
Tgt Ion:172 Resp: 652974

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 40.703 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

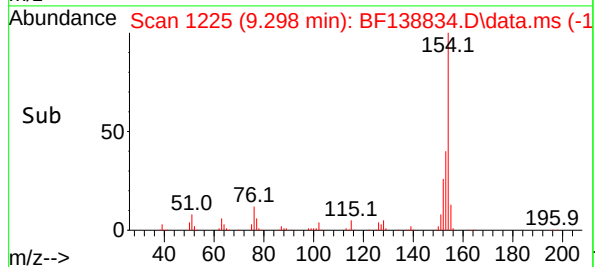
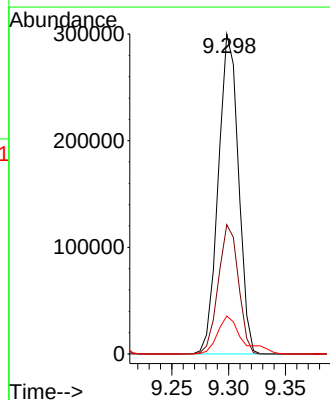
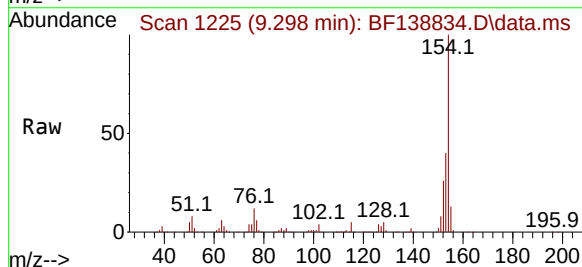
Tgt Ion:154 Resp: 370626

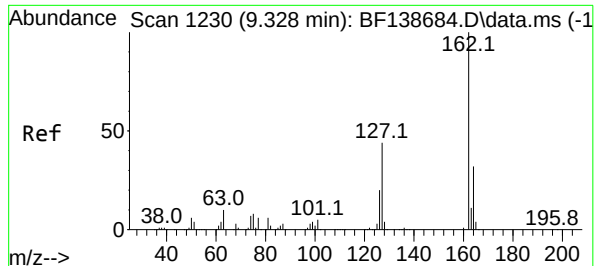
Ion Ratio Lower Upper

154 100

153 40.4 20.8 60.8

76 11.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.385 ng

RT: 9.328 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

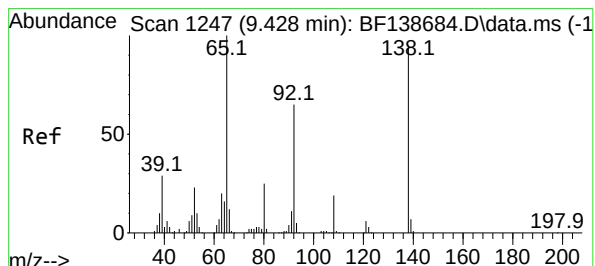
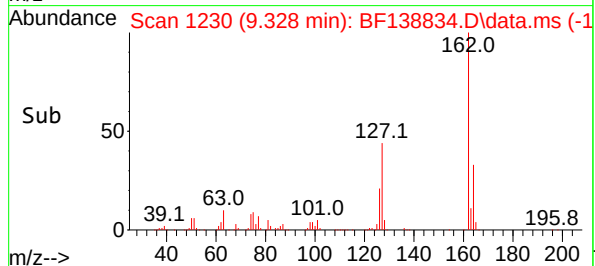
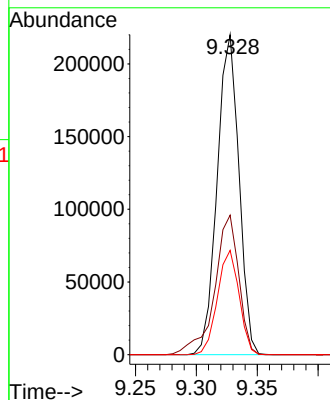
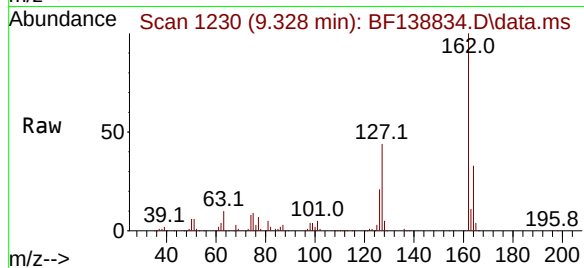
Tgt Ion:162 Resp: 273493

Ion Ratio Lower Upper

162 100

127 43.6 35.4 53.2

164 32.6 25.6 38.4



#48

2-Nitroaniline

Concen: 40.863 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

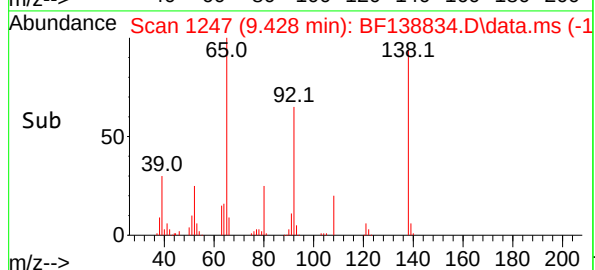
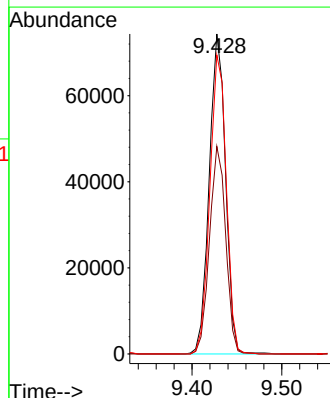
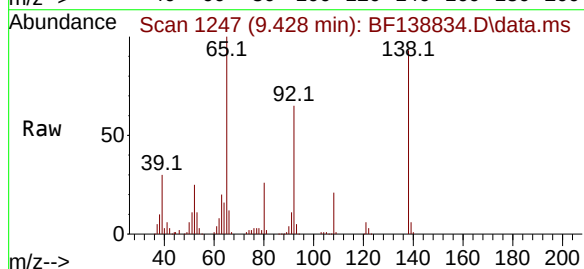
Tgt Ion: 65 Resp: 93816

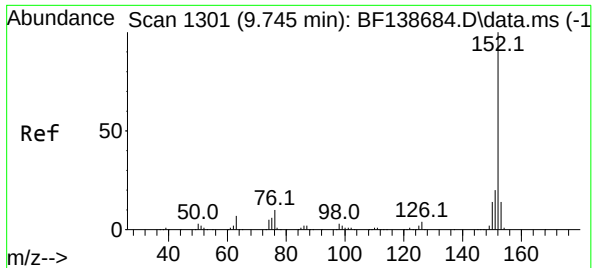
Ion Ratio Lower Upper

65 100

92 64.9 52.0 78.0

138 93.4 76.2 114.4

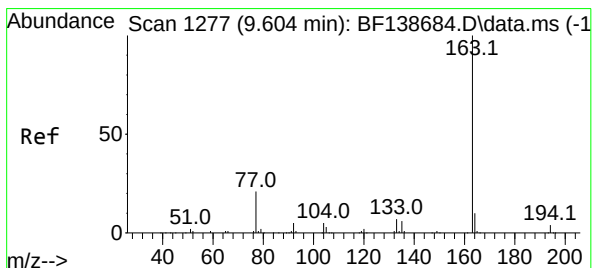
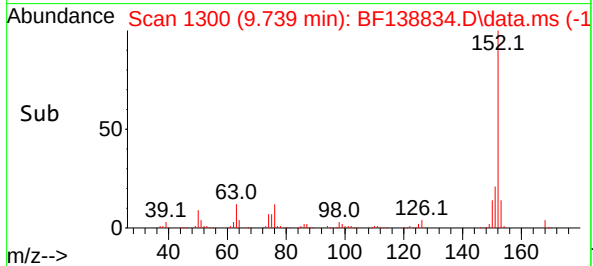
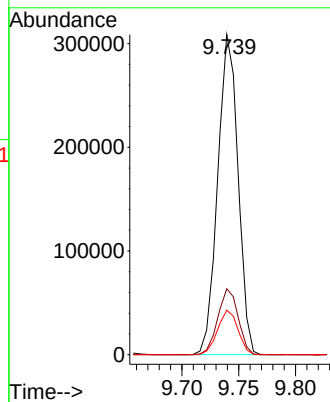
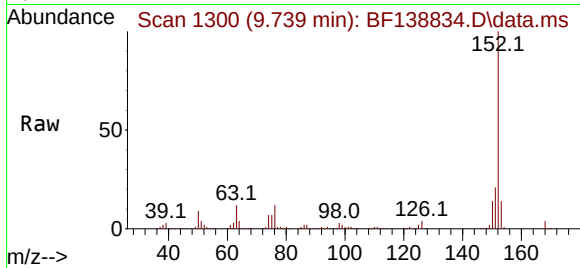




#49
Acenaphthylene
Concen: 40.062 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

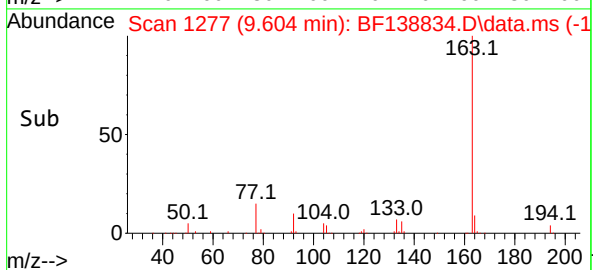
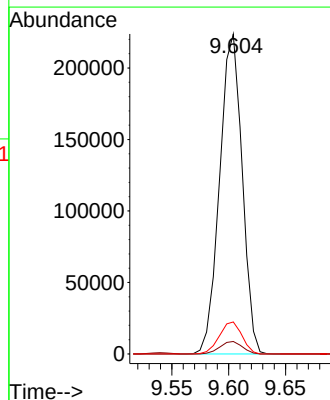
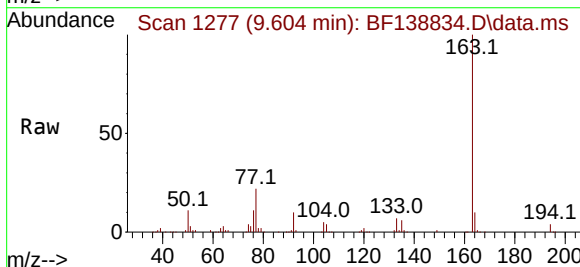
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

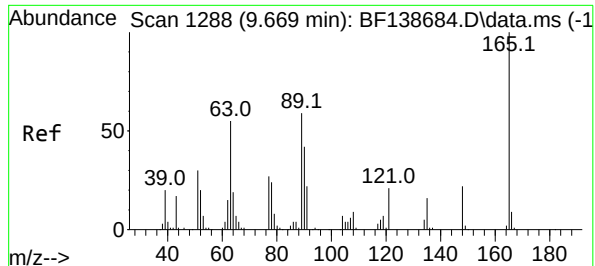
Tgt Ion:152 Resp: 384800
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 13.9 11.0 16.4



#50
Dimethylphthalate
Concen: 41.542 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:163 Resp: 308827
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 7.8 11.8

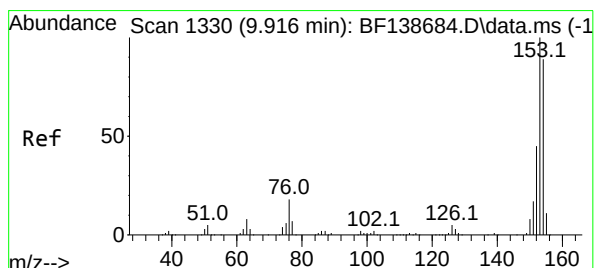
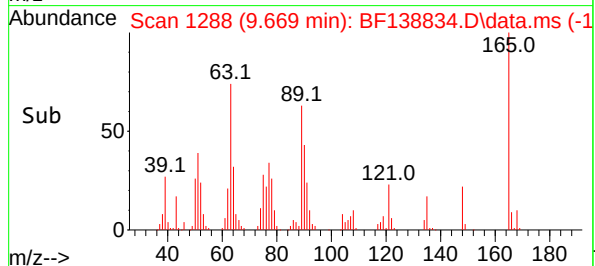
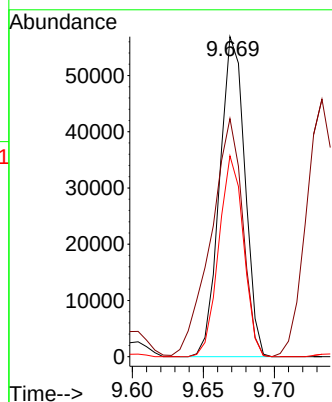
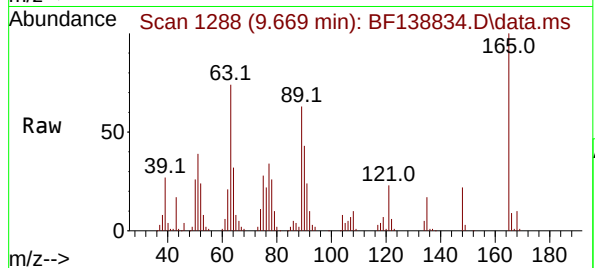




#51
2,6-Dinitrotoluene
Concen: 41.907 ng
RT: 9.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

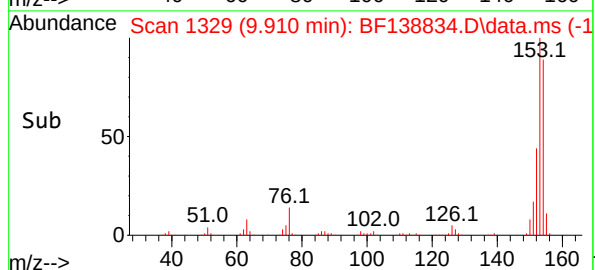
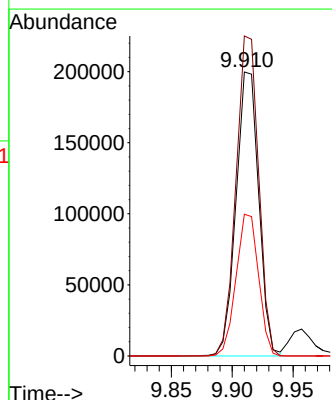
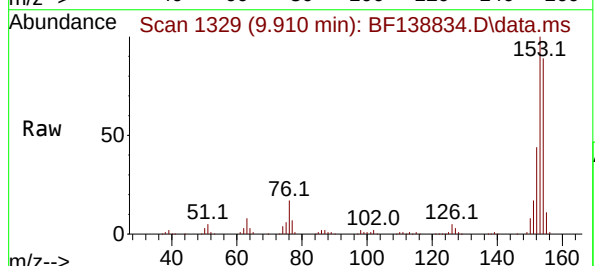
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

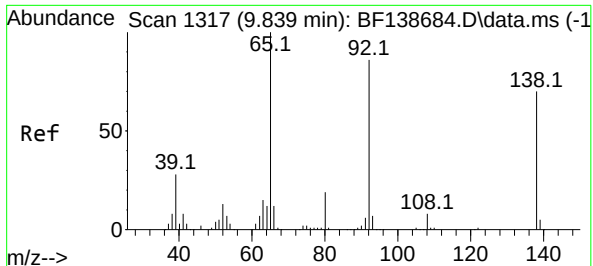
Tgt Ion:165 Resp: 70309
Ion Ratio Lower Upper
165 100
63 74.4 52.0 78.0
89 62.7 47.0 70.6



#52
Acenaphthene
Concen: 40.146 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:154 Resp: 259205
Ion Ratio Lower Upper
154 100
153 112.7 89.9 134.9
152 49.9 40.6 60.8

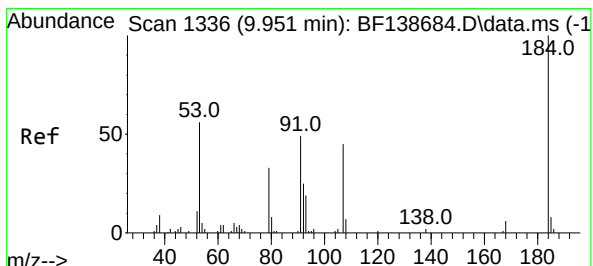
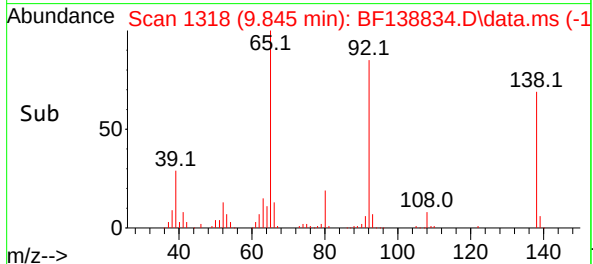
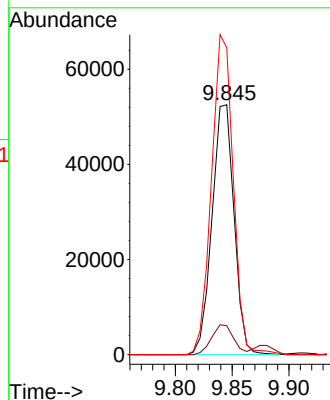
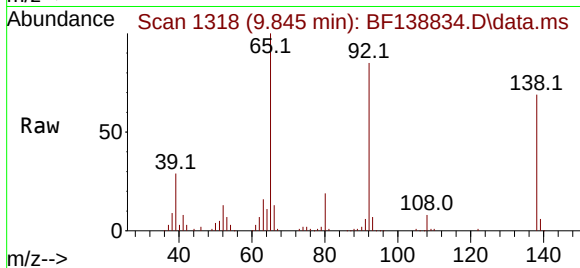




#53
3-Nitroaniline
Concen: 40.914 ng
RT: 9.845 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

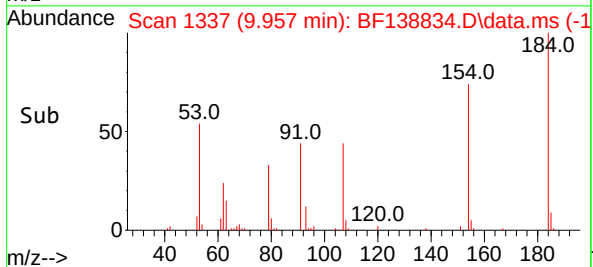
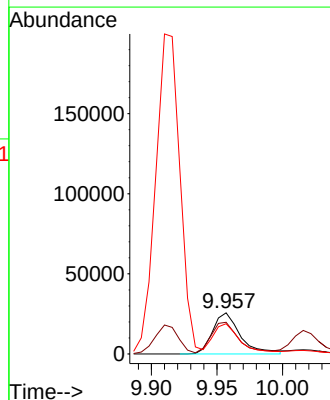
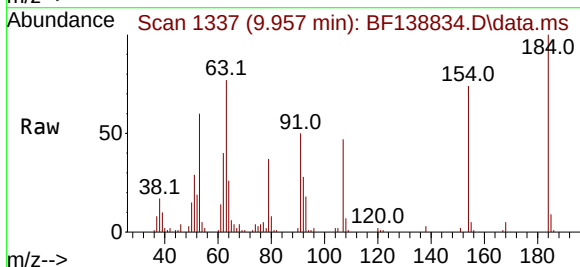
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

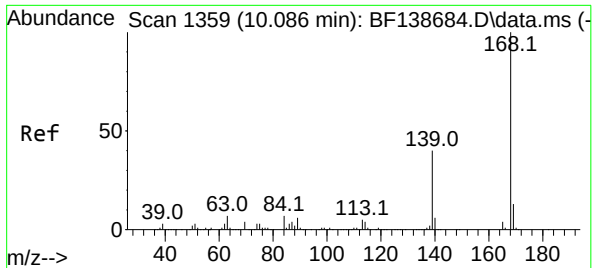
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.1	13.7
92	122.9	98.7	148.1



#54
2,4-Dinitrophenol
Concen: 48.693 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	77.1	57.5	86.3
154	73.6	51.7	77.5





#55

Dibenzenofuran

Concen: 41.040 ng

RT: 10.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

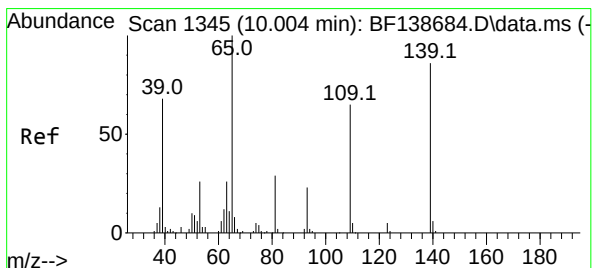
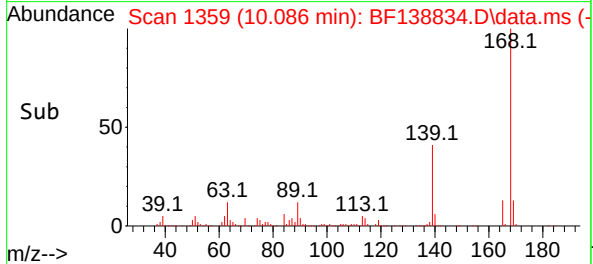
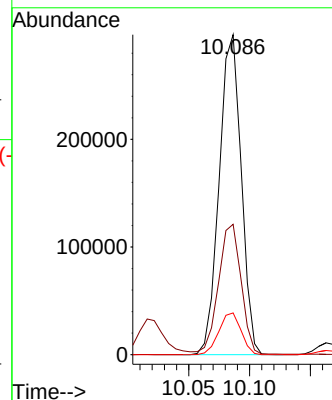
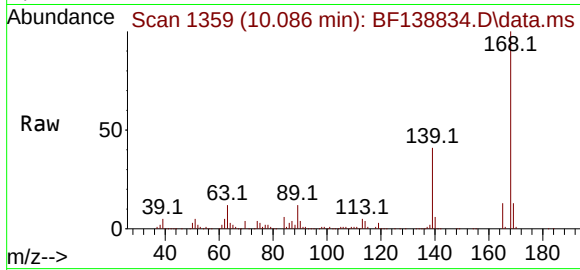
Tgt Ion:168 Resp: 374050

Ion Ratio Lower Upper

168 100

139 40.7 32.6 49.0

169 13.0 10.7 16.1



#56

4-Nitrophenol

Concen: 47.350 ng

RT: 10.016 min Scan# 1347

Delta R.T. 0.012 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

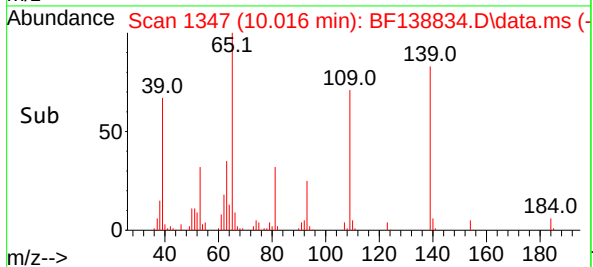
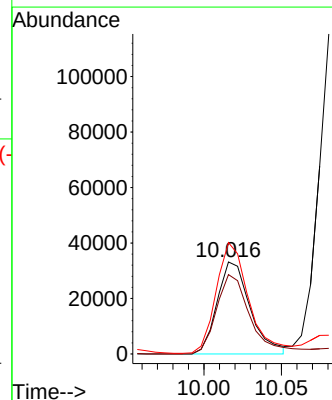
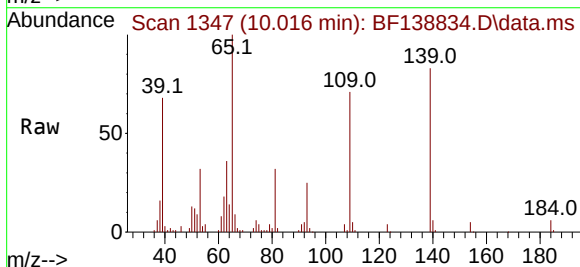
Tgt Ion:139 Resp: 49386

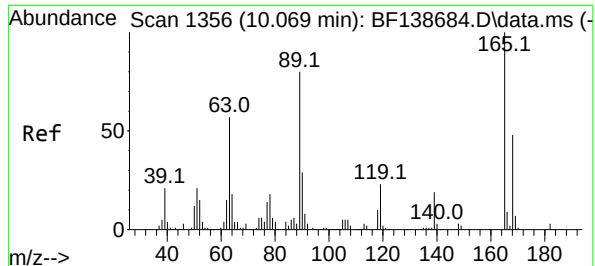
Ion Ratio Lower Upper

139 100

109 86.3 55.5 95.5

65 121.0 96.7 136.7

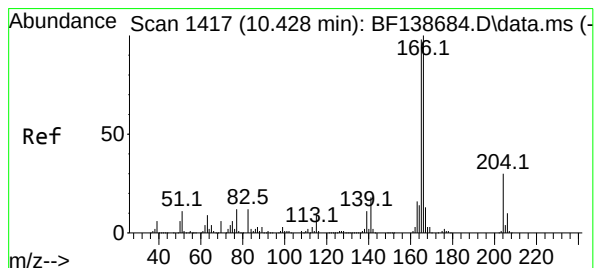
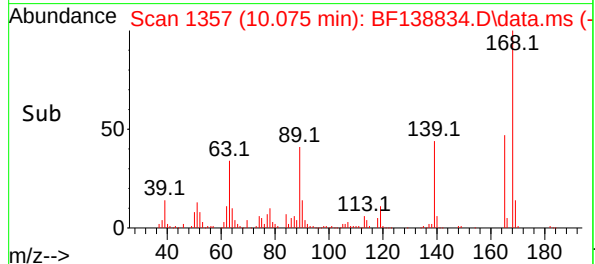
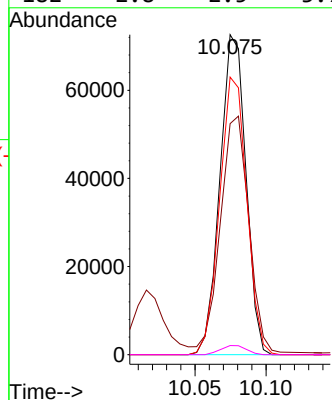
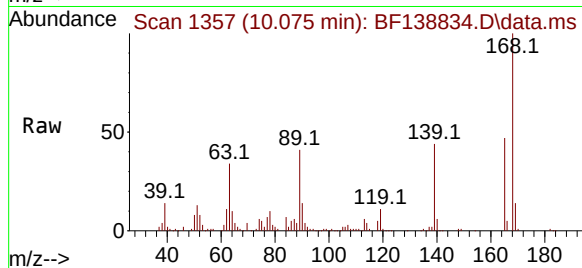




#57
2,4-Dinitrotoluene
Concen: 43.111 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

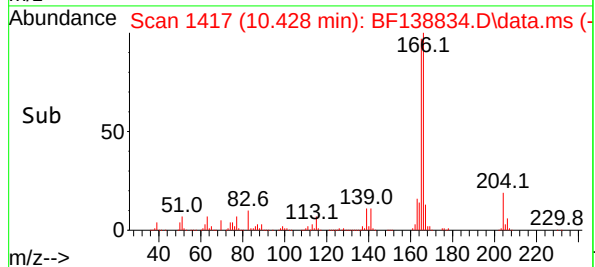
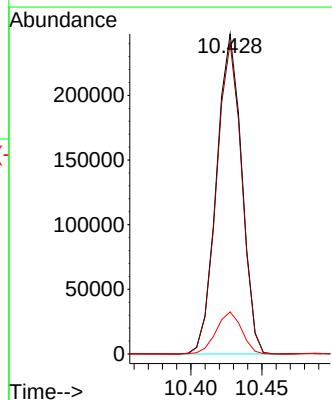
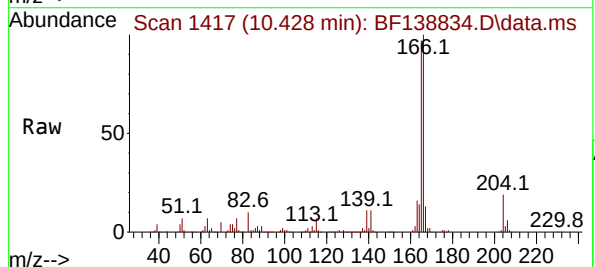
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

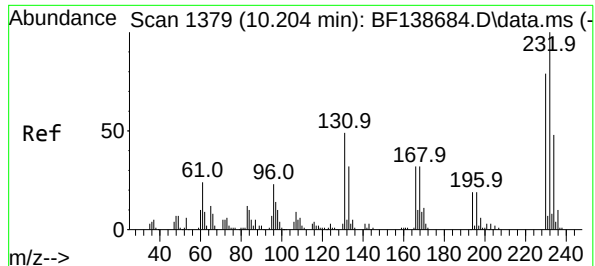
Tgt Ion:165 Resp: 92280
Ion Ratio Lower Upper
165 100
63 72.2 46.3 69.5#
89 86.8 64.2 96.4
182 2.8 2.5 3.7



#58
Fluorene
Concen: 42.029 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:166 Resp: 305046
Ion Ratio Lower Upper
166 100
165 97.3 78.4 117.6
167 13.1 10.6 16.0

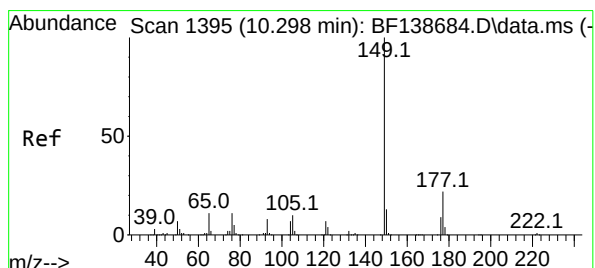
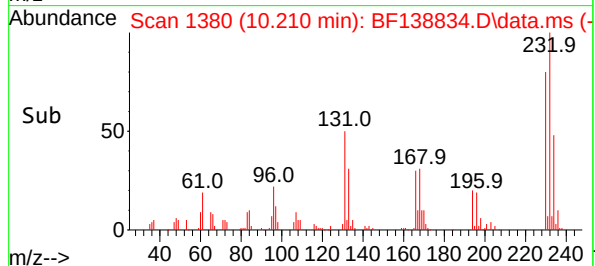
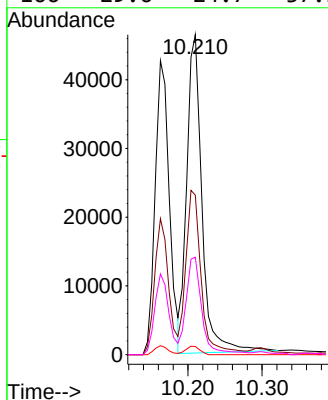
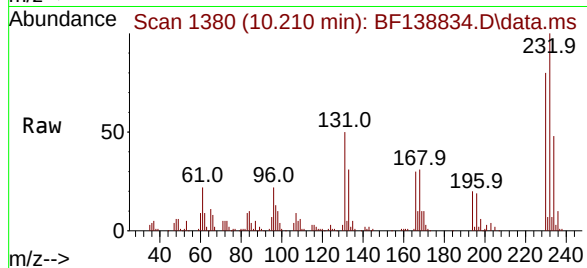




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.256 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

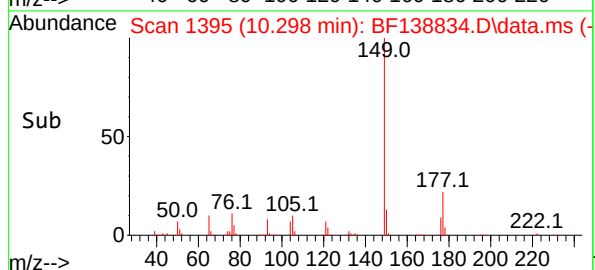
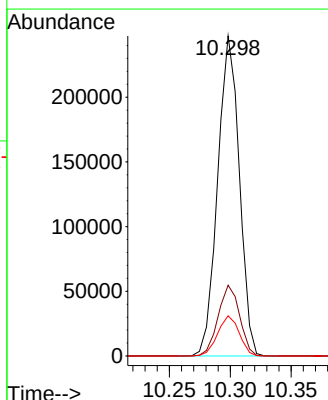
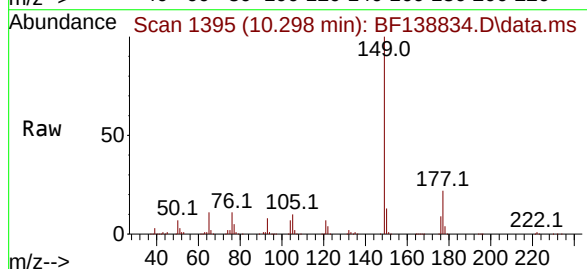
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

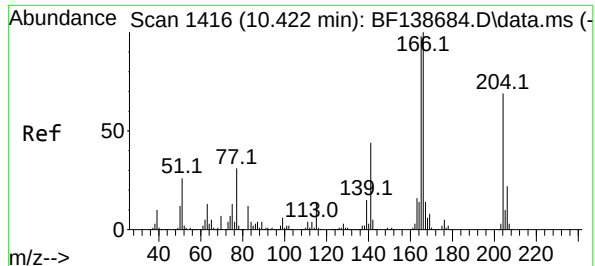
Tgt Ion:232 Resp: 66253
Ion Ratio Lower Upper
232 100
131 51.4 37.0 55.4
130 2.4 2.0 3.0
166 29.6 24.7 37.1



#60
Diethylphthalate
Concen: 43.424 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 306088
Ion Ratio Lower Upper
149 100
177 22.1 17.8 26.8
150 12.6 10.1 15.1

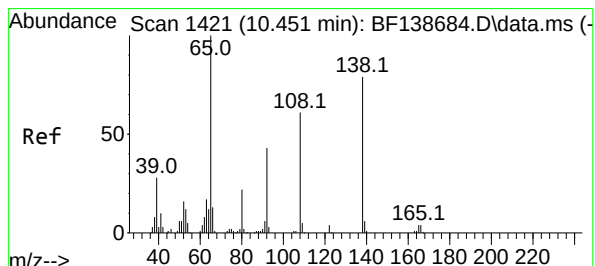
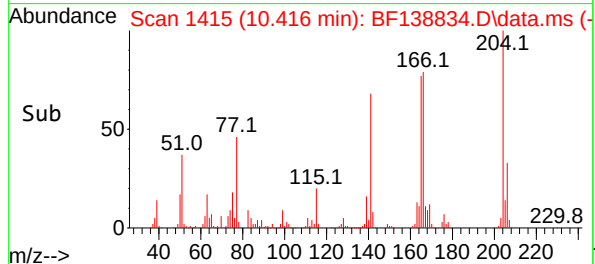
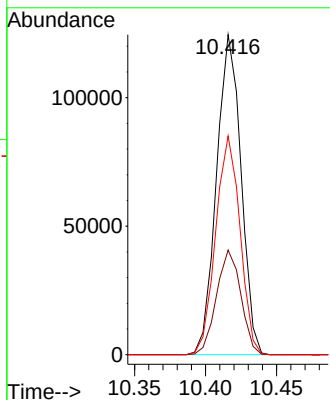
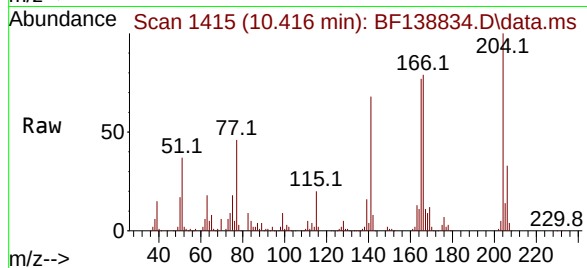




#61
4-Chlorophenyl-phenylether
Concen: 41.796 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

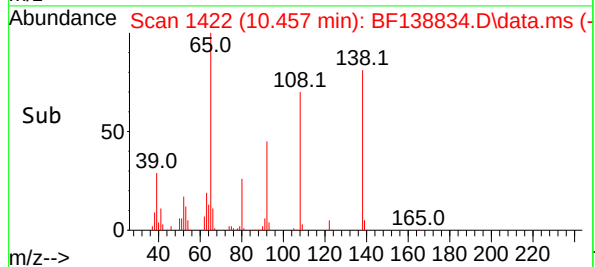
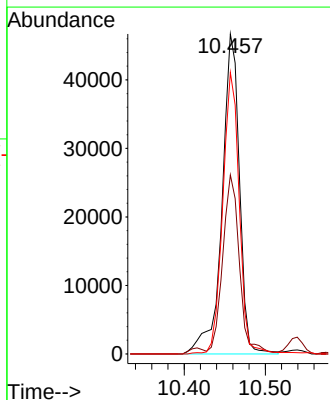
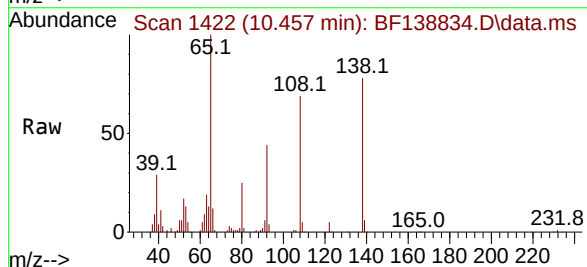
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

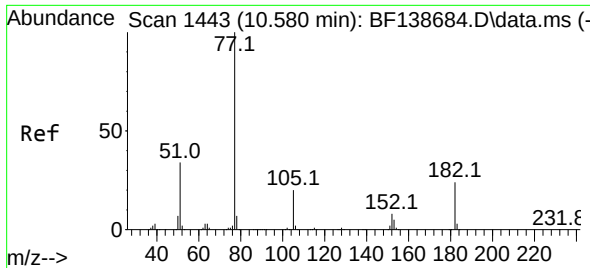
Tgt Ion:204 Resp: 149196
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 68.3 51.4 77.0



#62
4-Nitroaniline
Concen: 42.315 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:138 Resp: 69745
Ion Ratio Lower Upper
138 100
92 55.9 34.2 74.2
108 88.0 56.2 96.2

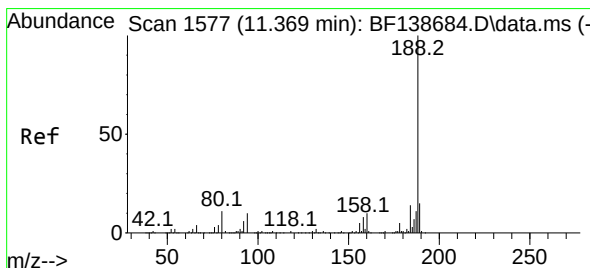
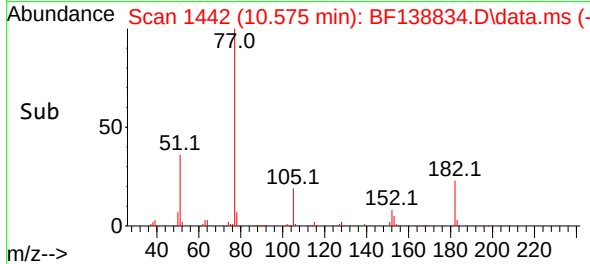
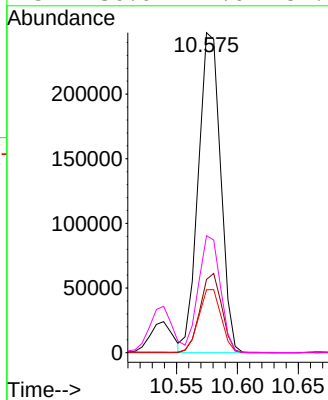
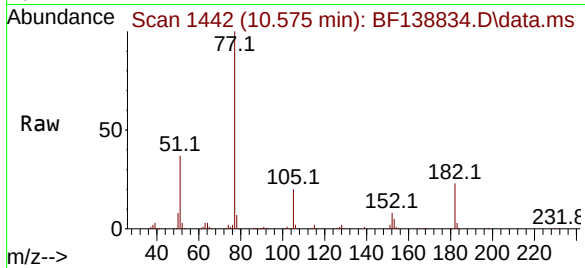




#63
Azobenzene
Concen: 40.362 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

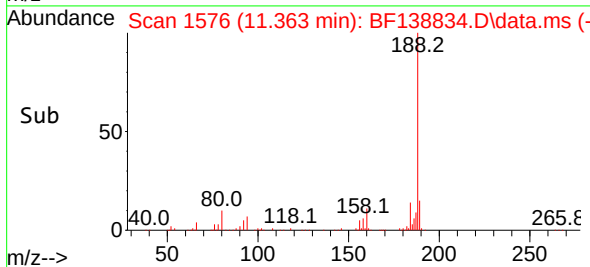
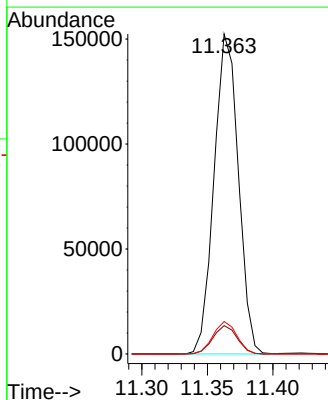
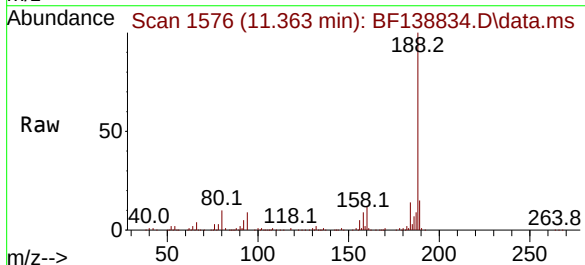
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

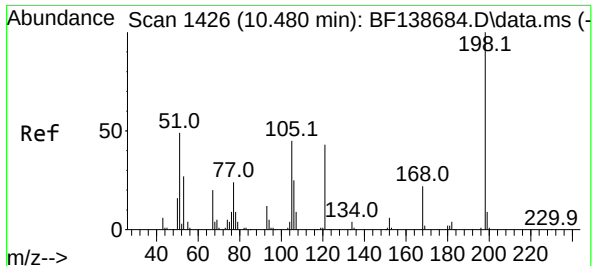
Tgt Ion: 77 Resp: 315548
Ion Ratio Lower Upper
77 100
182 22.9 3.4 43.4
105 19.6 0.2 40.2
51 36.6 14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion: 188 Resp: 196393
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 10.1 8.6 12.8

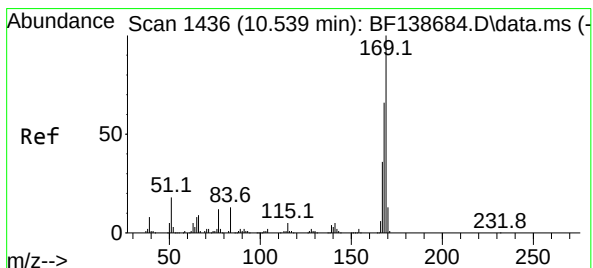
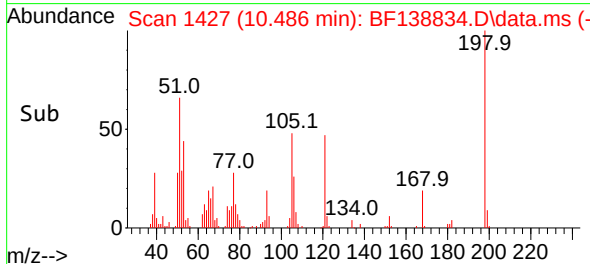
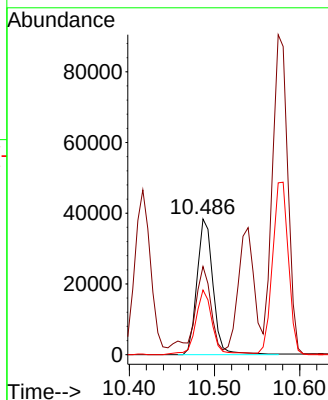
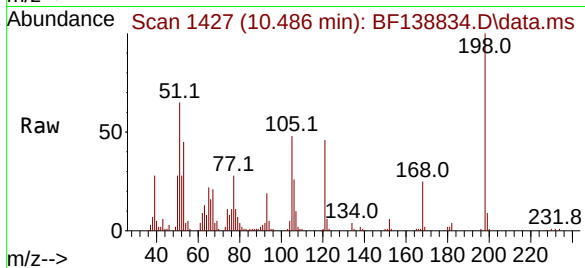




#65
4,6-Dinitro-2-methylphenol
Concen: 41.863 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

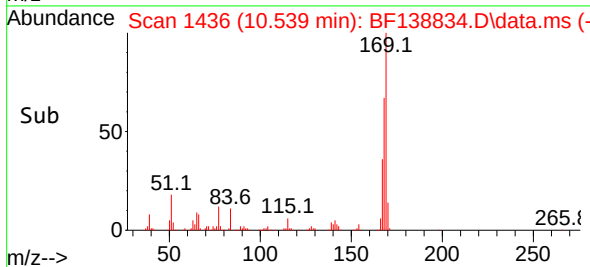
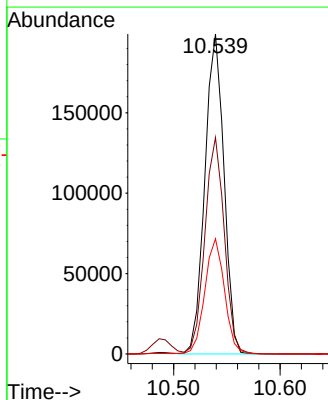
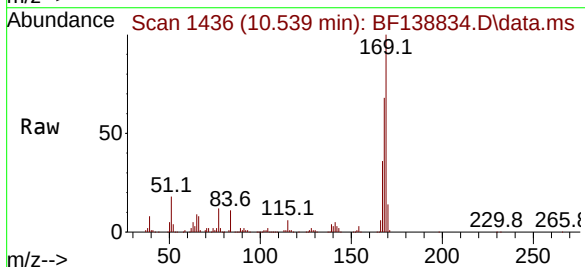
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

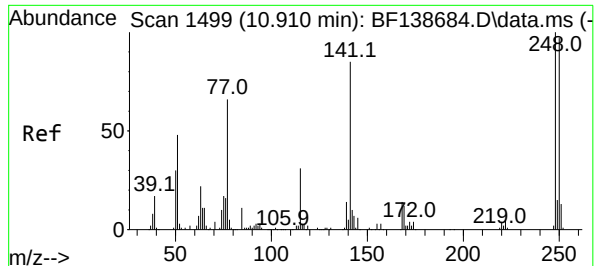
Tgt Ion	Ratio	Lower	Upper
198	100		
51	64.9	39.9	79.9
105	47.6	26.1	66.1



#66
n-Nitrosodiphenylamine
Concen: 40.418 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	53.0	79.6
167	36.0	29.0	43.6

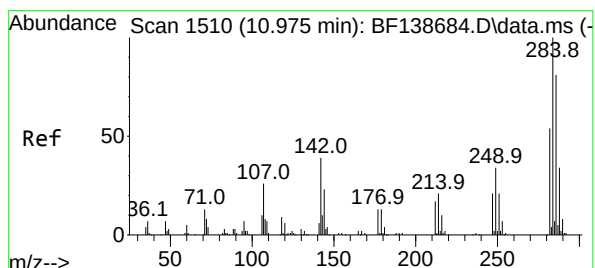
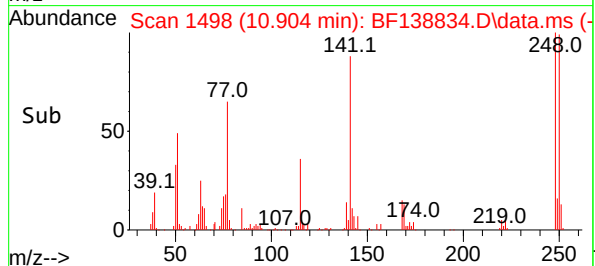
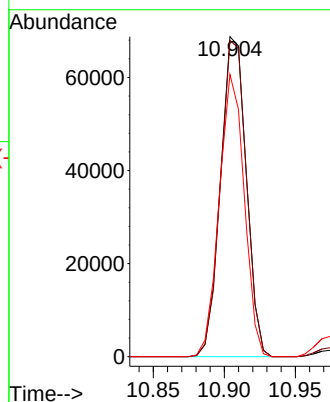
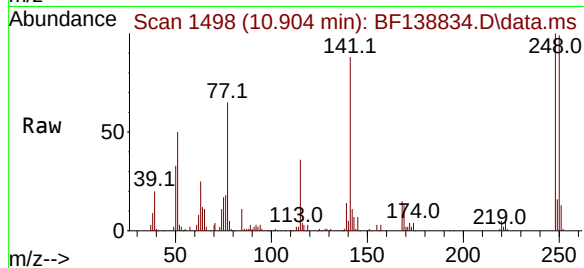




#67
4-Bromophenyl-phenylether
Concen: 40.780 ng
RT: 10.904 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

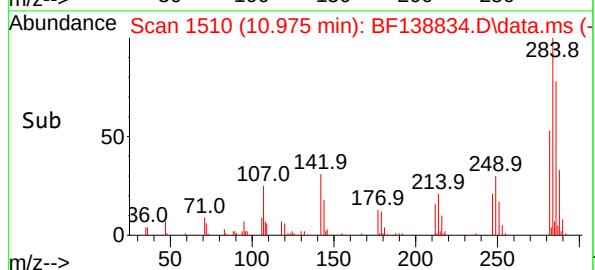
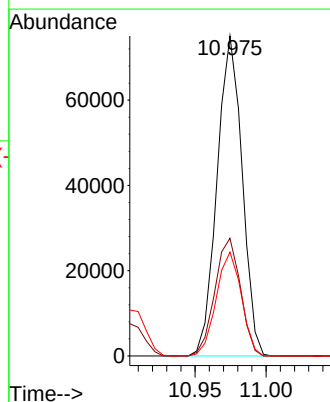
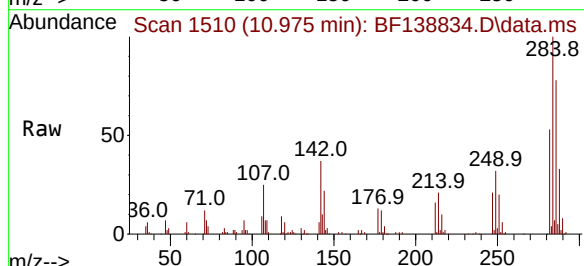
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

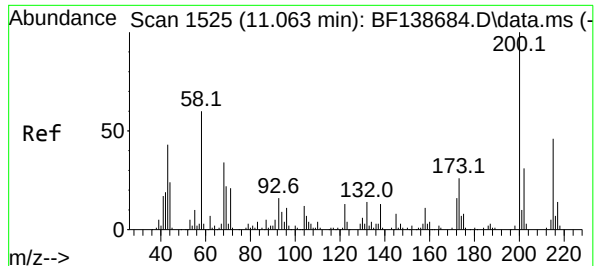
Tgt Ion:248 Resp: 86712
Ion Ratio Lower Upper
248 100
250 98.8 77.7 116.5
141 88.2 68.0 102.0



#68
Hexachlorobenzene
Concen: 41.919 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:284 Resp: 92031
Ion Ratio Lower Upper
284 100
142 36.8 31.3 46.9
249 32.5 27.2 40.8





#69

Atrazine

Concen: 37.299 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

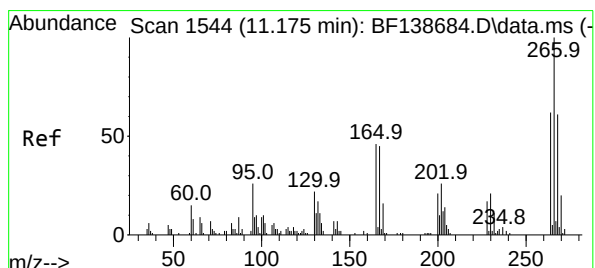
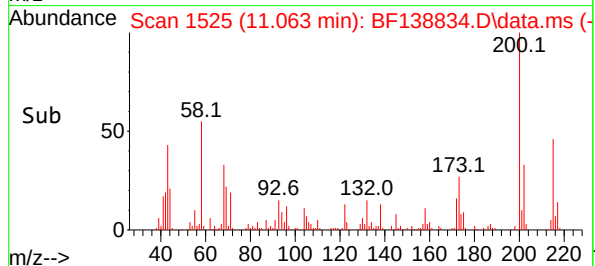
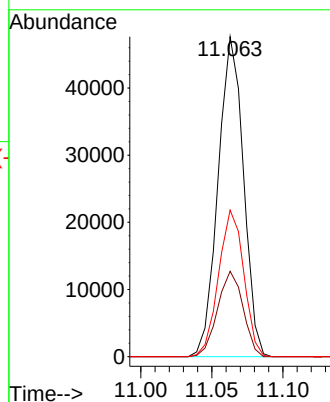
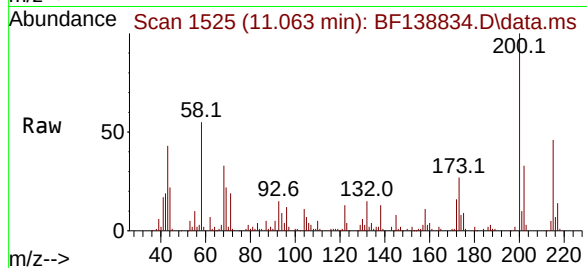
Tgt Ion:200 Resp: 59075

Ion Ratio Lower Upper

200 100

173 26.7 6.0 46.0

215 45.8 26.1 66.1



#70

Pentachlorophenol

Concen: 50.395 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

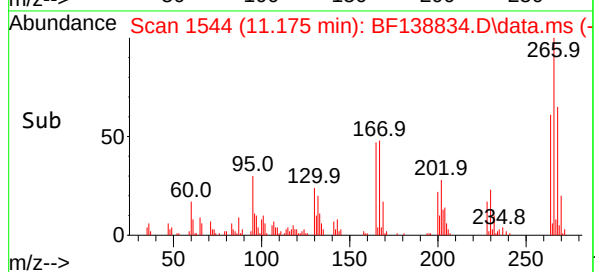
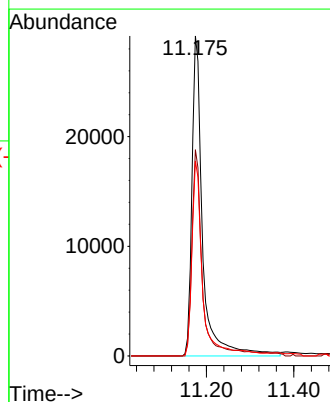
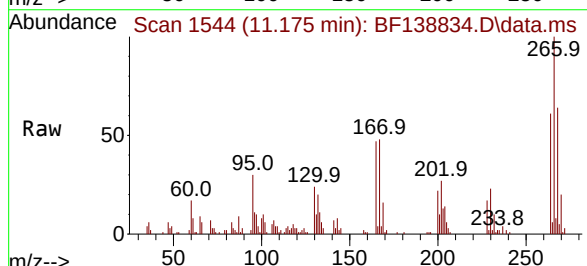
Tgt Ion:266 Resp: 49870

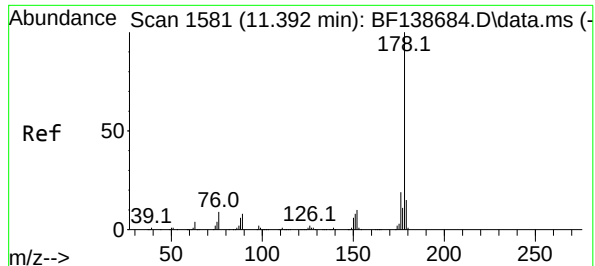
Ion Ratio Lower Upper

266 100

268 64.5 49.2 73.8

264 61.0 49.8 74.6

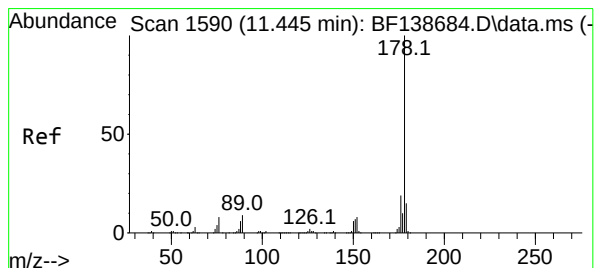
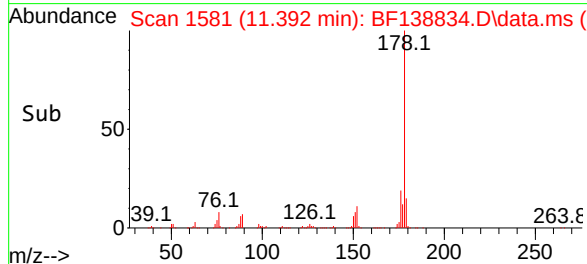
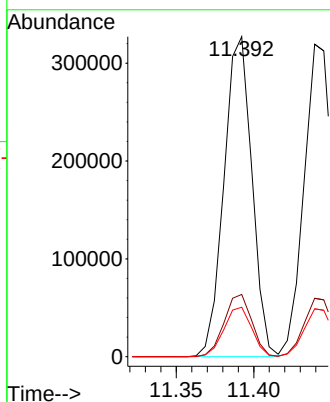
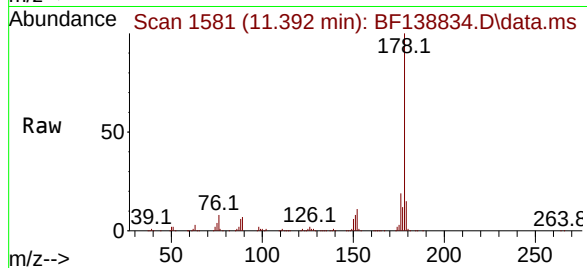




#71
Phenanthrene
Concen: 40.551 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

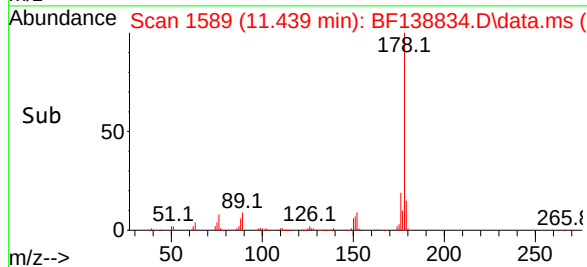
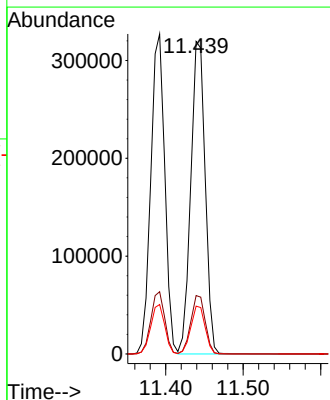
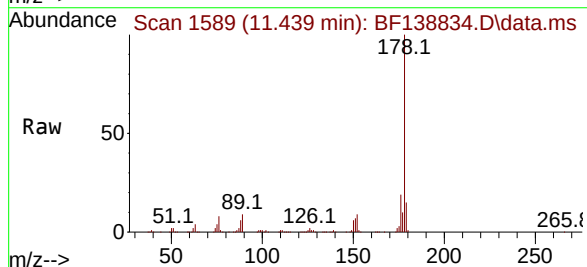
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

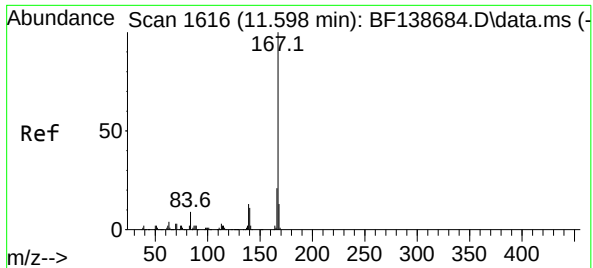
Tgt Ion:178 Resp: 410078
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.2 18.2



#72
Anthracene
Concen: 41.374 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:178 Resp: 412183
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.3 12.4 18.6

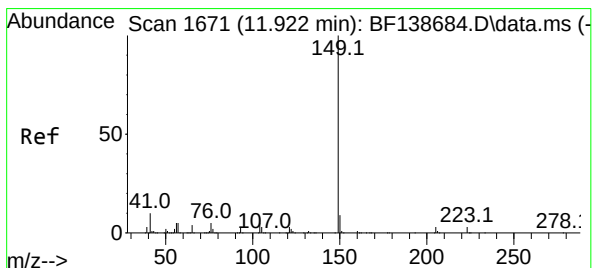
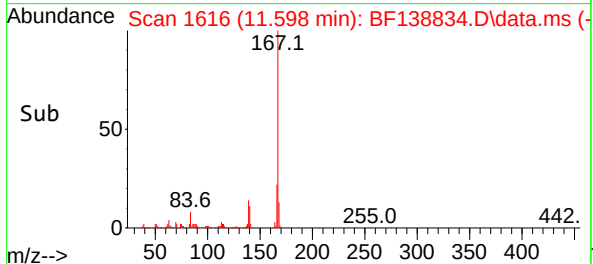
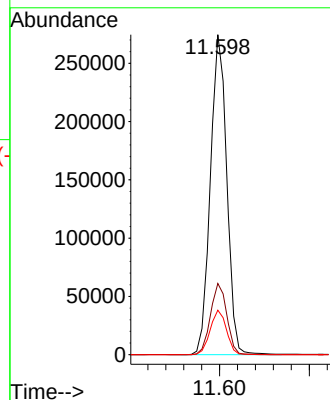
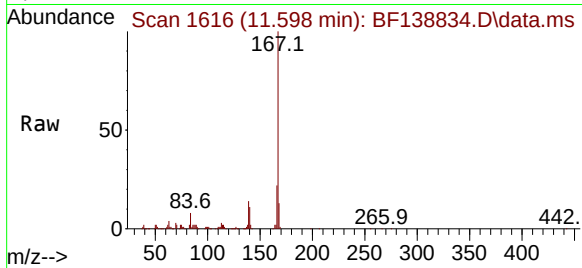




#73
Carbazole
Concen: 40.547 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

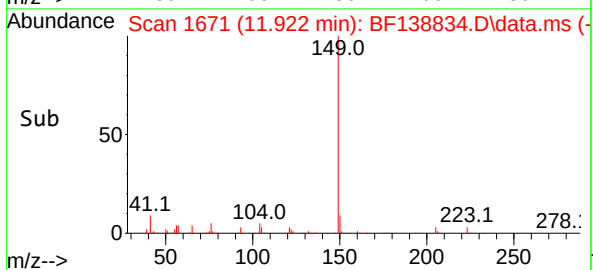
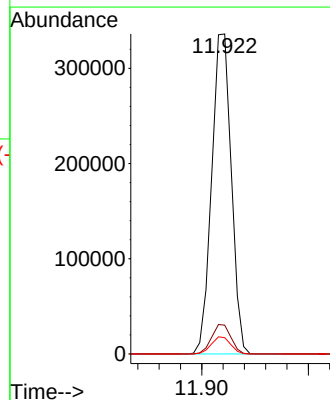
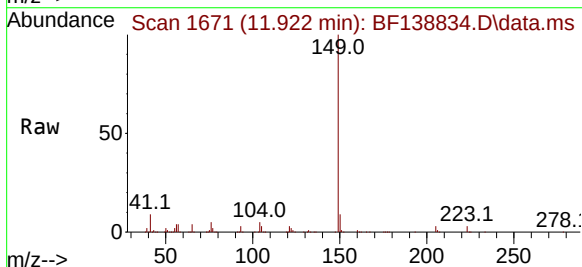
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

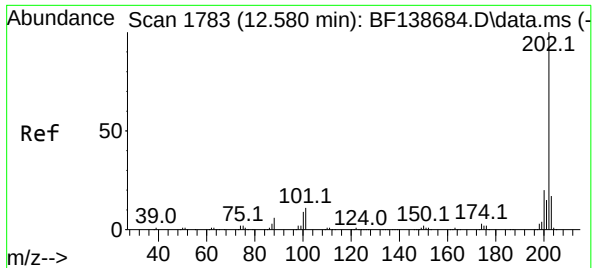
Tgt Ion:167 Resp: 348504
Ion Ratio Lower Upper
167 100
166 22.2 17.2 25.8
139 13.9 10.6 16.0



#74
Di-n-butylphthalate
Concen: 44.439 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 429382
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 5.1 4.1 6.1

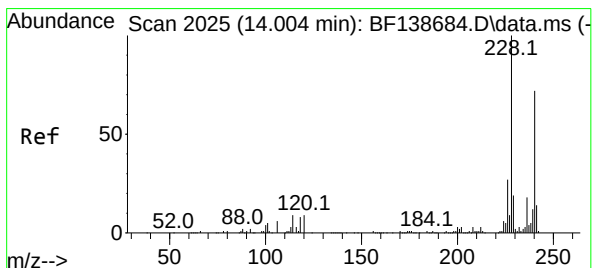
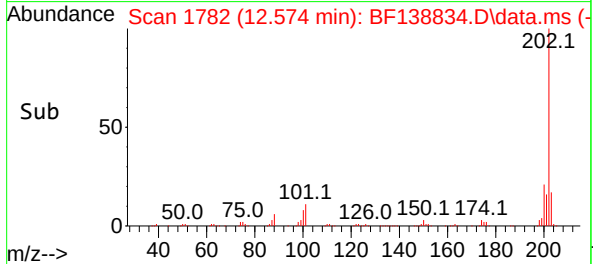
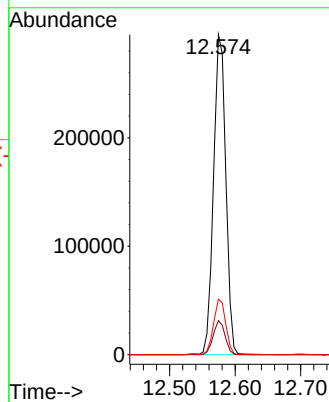
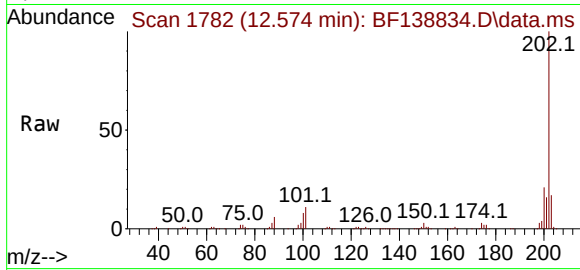




#75
Fluoranthene
Concen: 40.665 ng
RT: 12.574 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

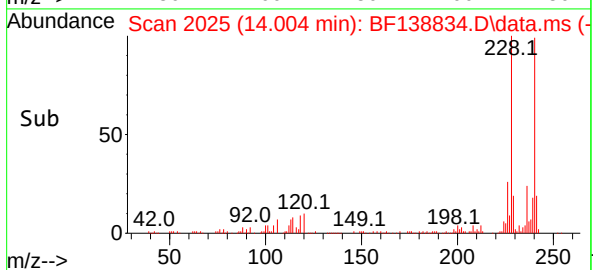
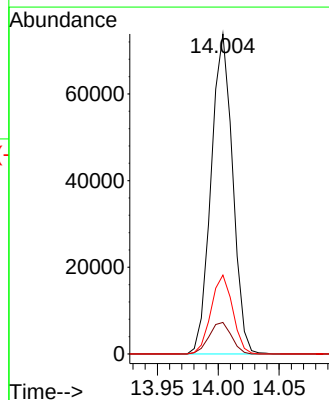
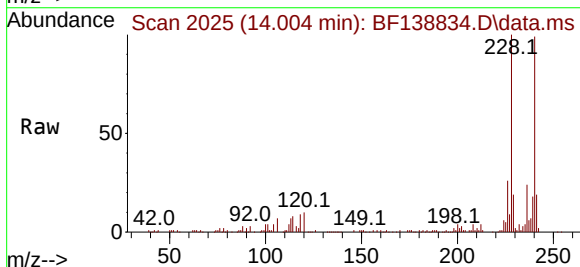
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

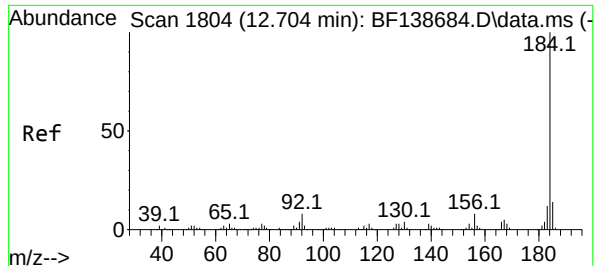
Tgt Ion:202 Resp: 383912
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.2
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:240 Resp: 90664
Ion Ratio Lower Upper
240 100
120 9.9 10.2 15.4#
236 24.7 19.8 29.8





#77

Benzidine

Concen: 44.125 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

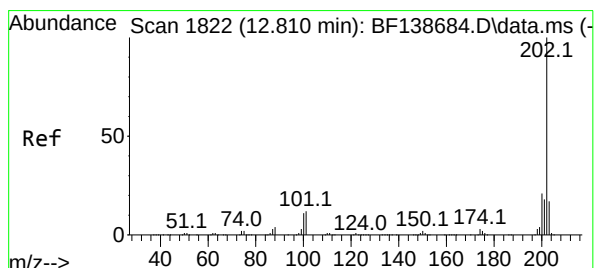
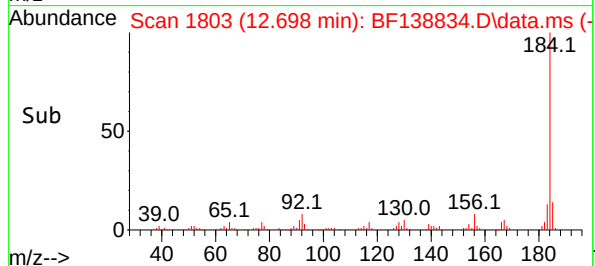
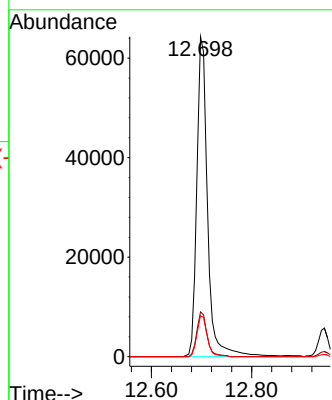
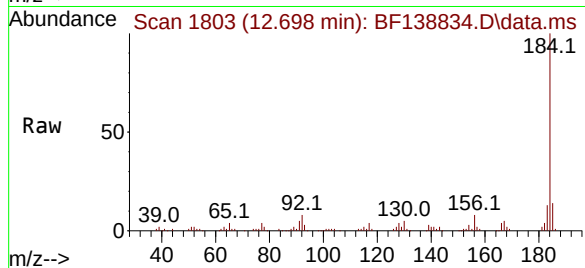
Tgt Ion:184 Resp: 95687

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

183 12.8 9.6 14.4



#78

Pyrene

Concen: 45.775 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

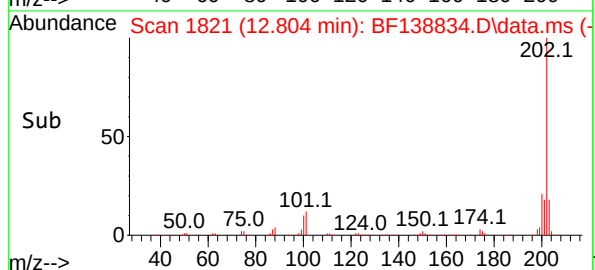
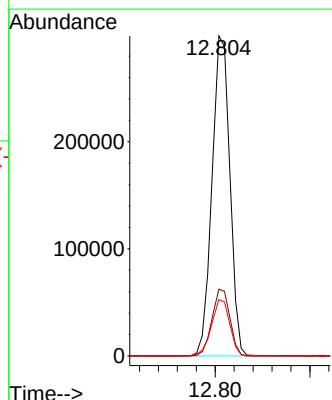
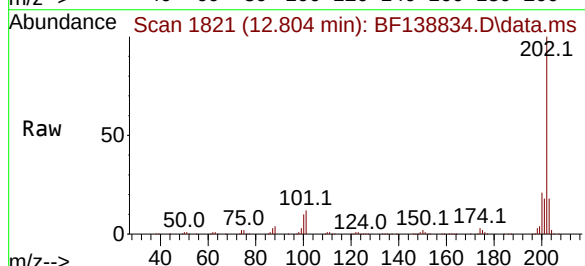
Tgt Ion:202 Resp: 390753

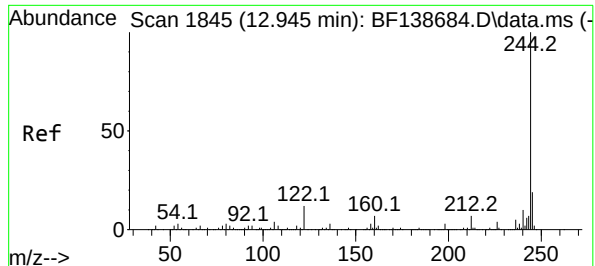
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 89.697 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

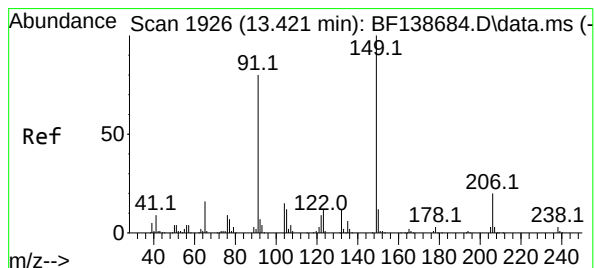
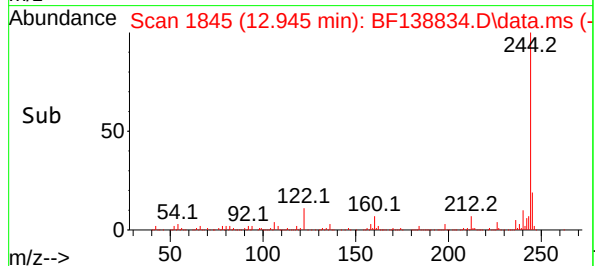
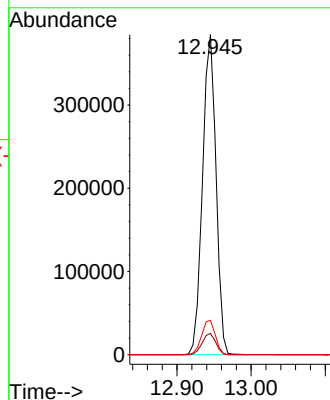
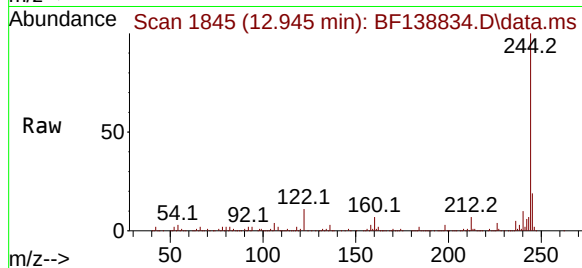
Tgt Ion:244 Resp: 485722

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.8 9.6 14.4



#80

Butylbenzylphthalate

Concen: 40.905 ng

RT: 13.416 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

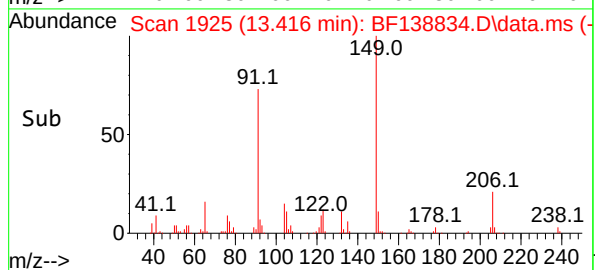
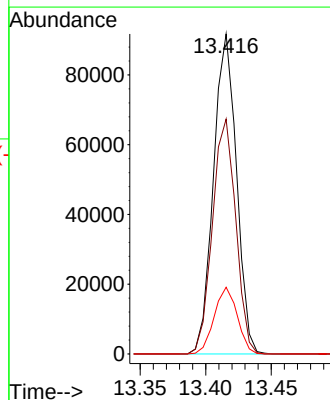
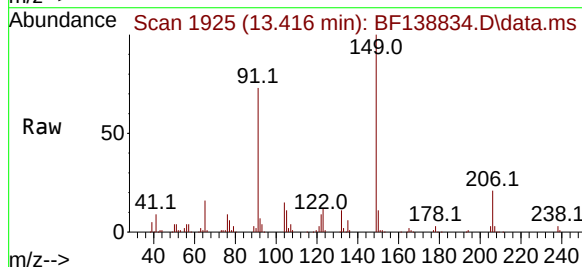
Tgt Ion:149 Resp: 111817

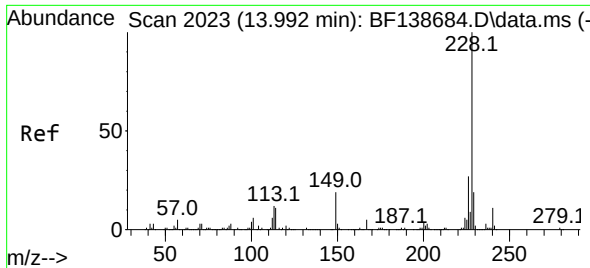
Ion Ratio Lower Upper

149 100

91 73.4 63.7 95.5

206 20.9 16.2 24.2

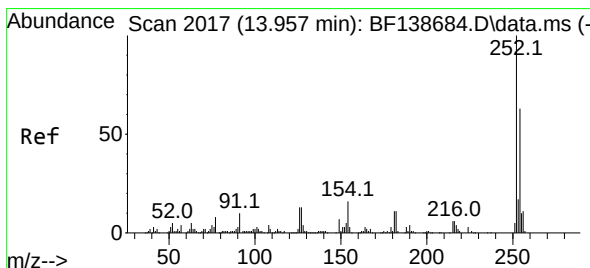
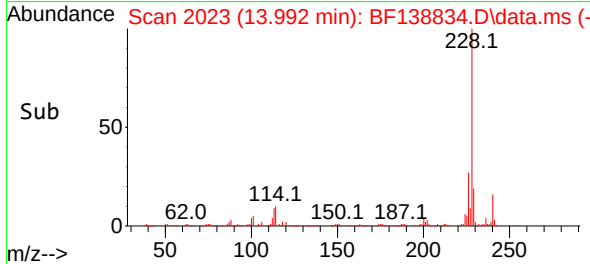
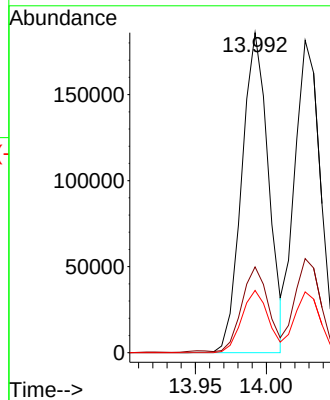
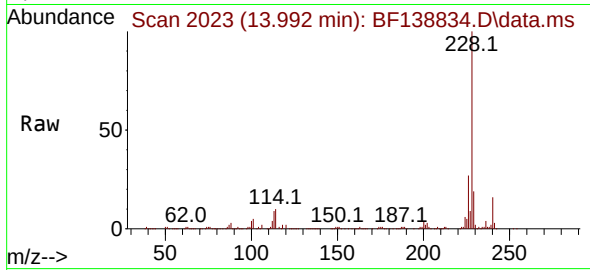




#81
Benzo(a)anthracene
Concen: 39.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

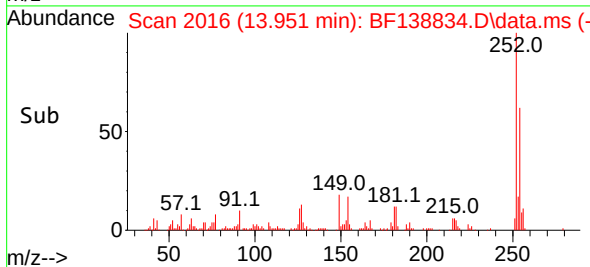
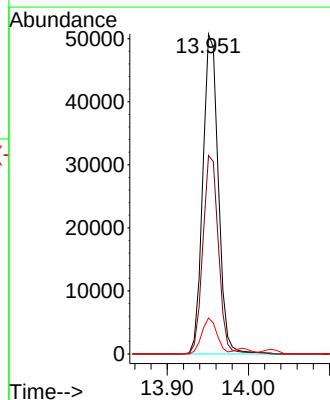
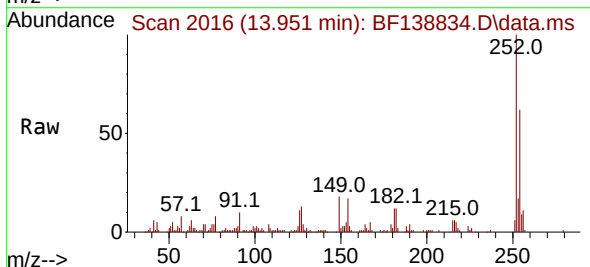
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

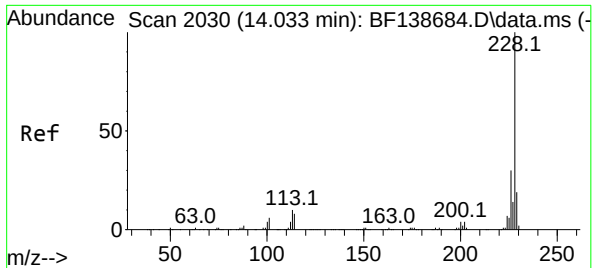
Tgt Ion:228 Resp: 243765
Ion Ratio Lower Upper
228 100
226 26.8 22.1 33.1
229 19.4 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 42.093 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:252 Resp: 67251
Ion Ratio Lower Upper
252 100
254 62.0 50.8 76.2
126 11.3 10.2 15.2

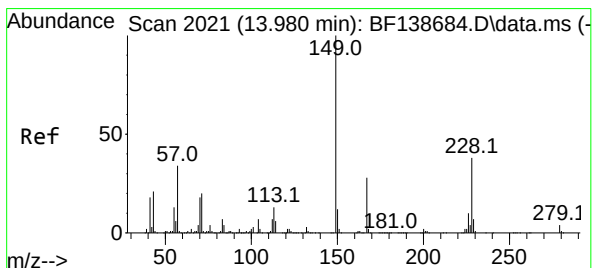
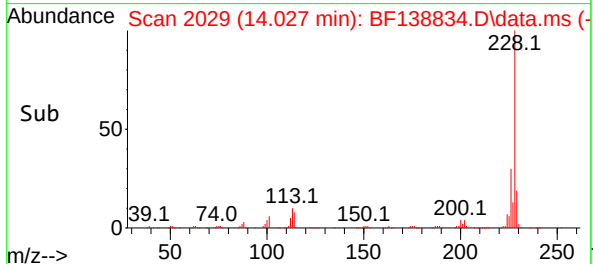
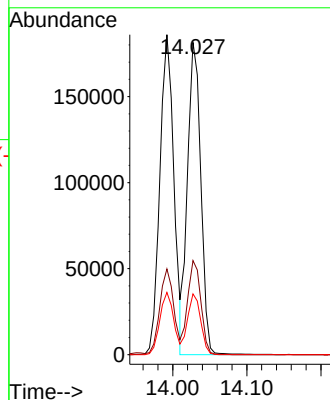
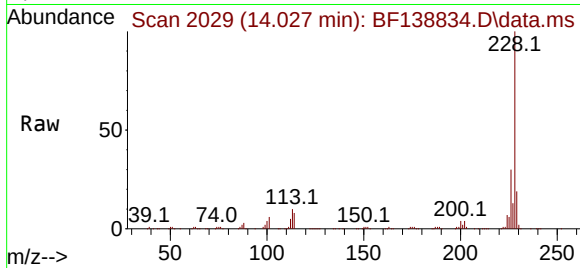




#83
Chrysene
Concen: 40.317 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

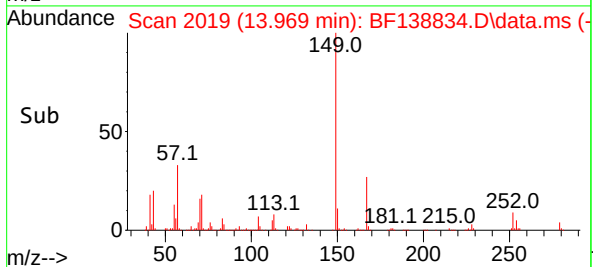
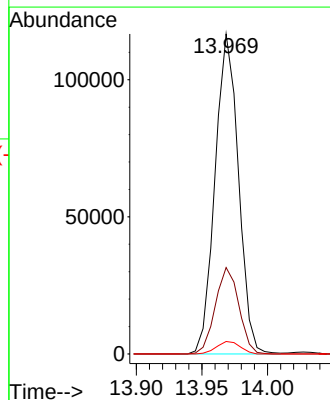
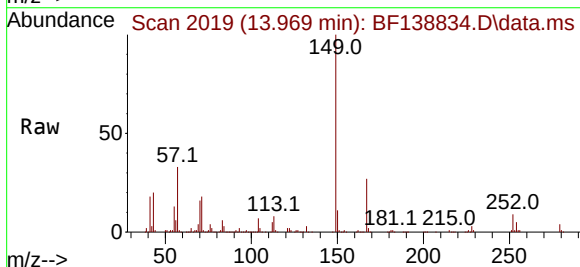
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

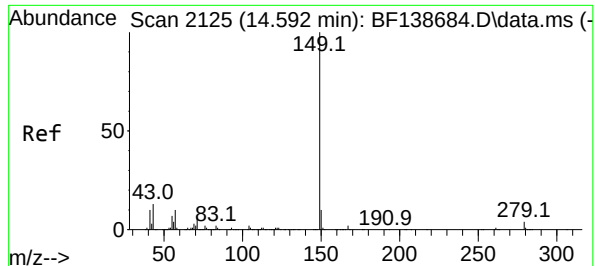
Tgt Ion:228 Resp: 227091
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.5 15.0 22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.147 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:149 Resp: 144689
Ion Ratio Lower Upper
149 100
167 27.0 22.2 33.4
279 3.9 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 36.186 ng

RT: 14.580 min Scan# 2123

Delta R.T. -0.012 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

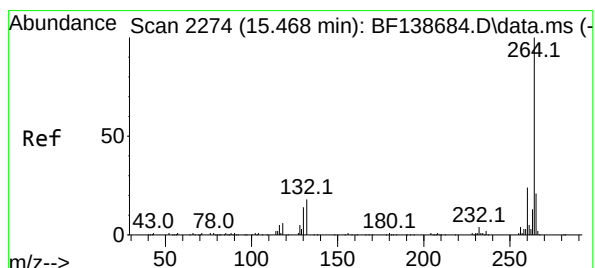
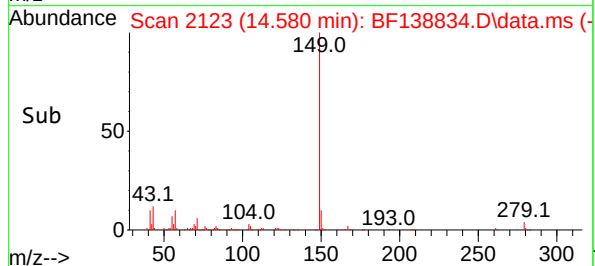
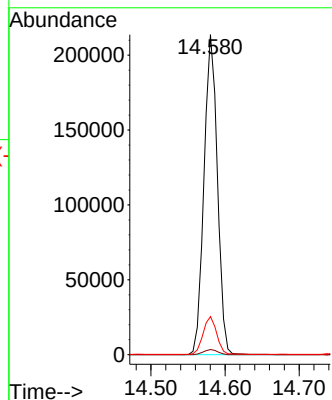
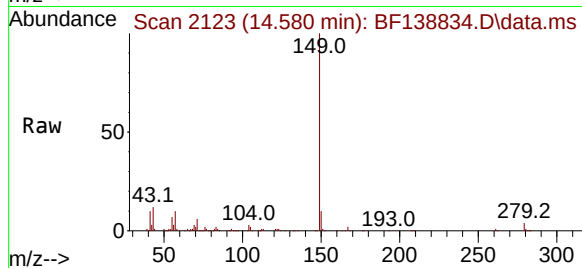
Tgt Ion:149 Resp: 267993

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

43 12.0 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

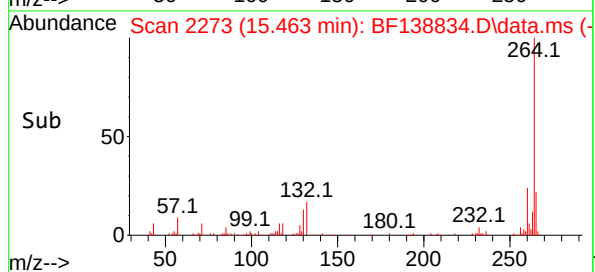
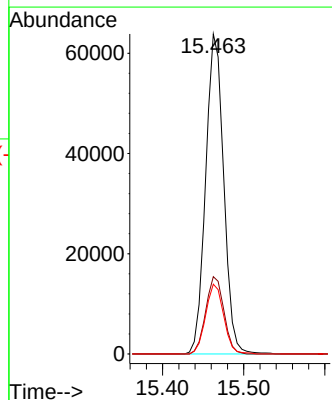
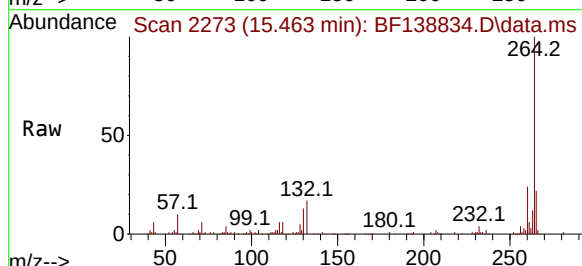
Tgt Ion:264 Resp: 98369

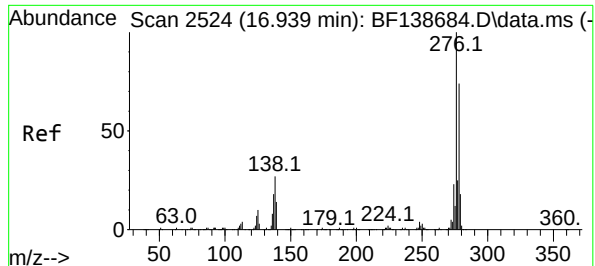
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 21.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.456 ng

RT: 16.939 min Scan# 2524

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

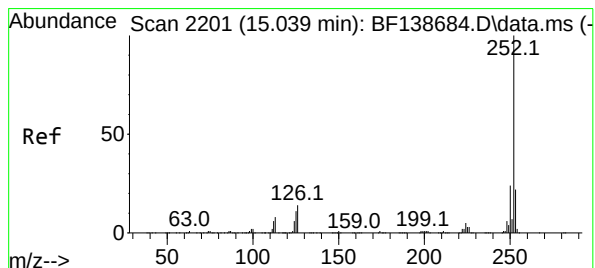
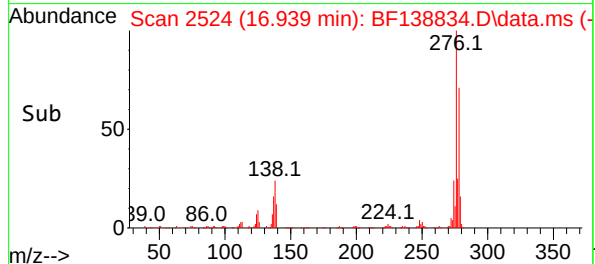
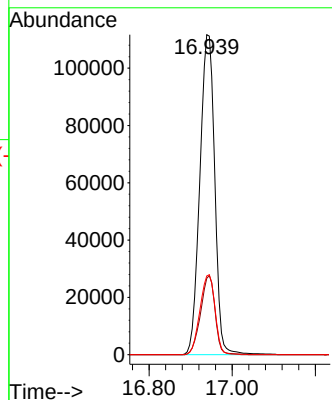
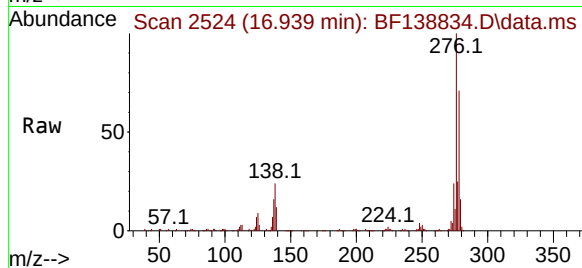
Tgt Ion:276 Resp: 278145

Ion Ratio Lower Upper

276 100

138 23.9 21.8 32.8

277 25.2 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 37.113 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

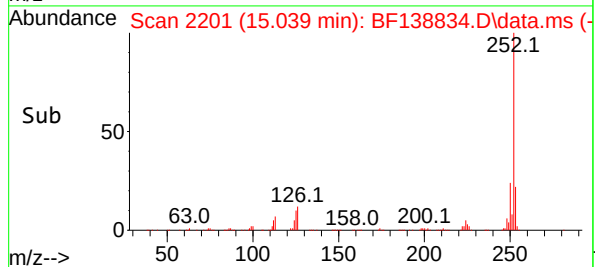
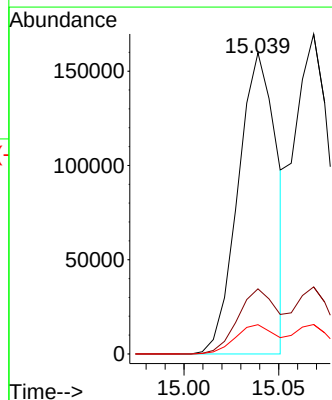
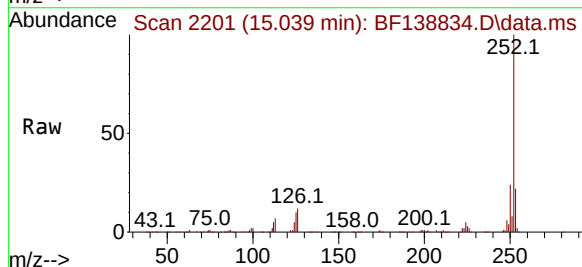
Tgt Ion:252 Resp: 226312

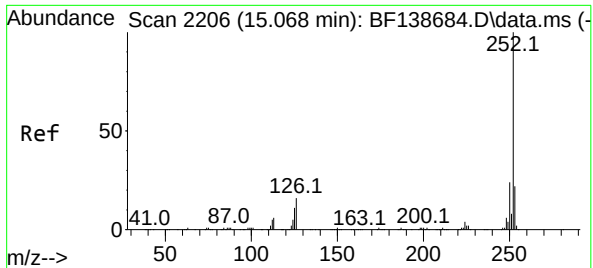
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 9.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 43.425 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

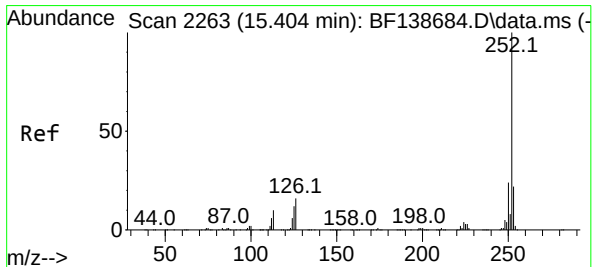
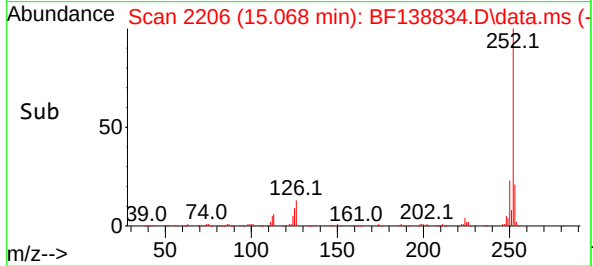
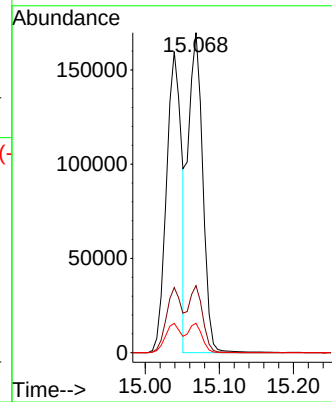
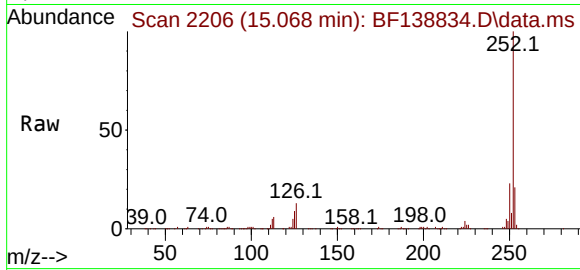
Tgt Ion:252 Resp: 229269

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

125 9.2 8.6 13.0



#90

Benzo(a)pyrene

Concen: 40.488 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

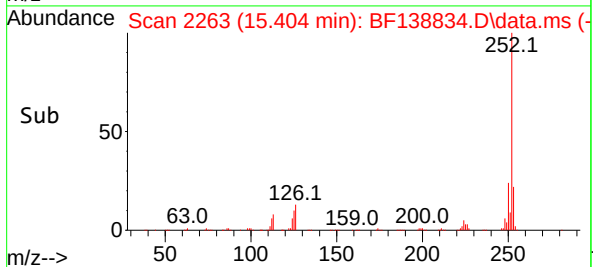
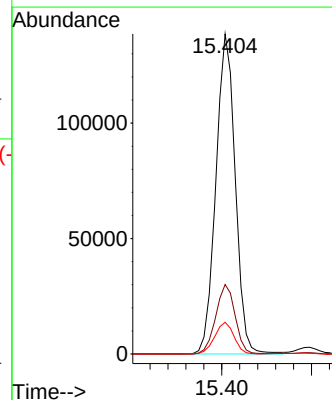
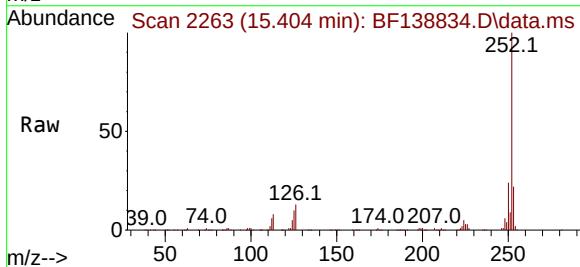
Tgt Ion:252 Resp: 207673

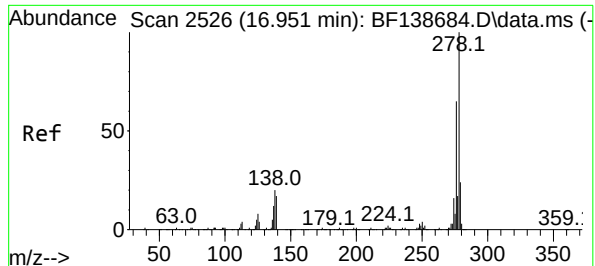
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 9.9 9.5 14.3

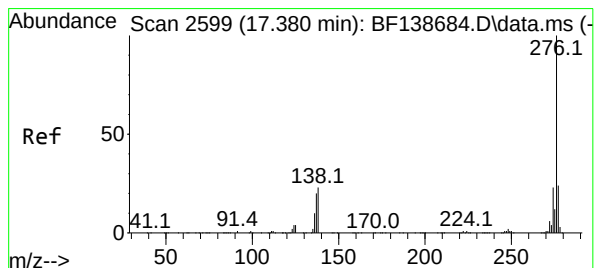
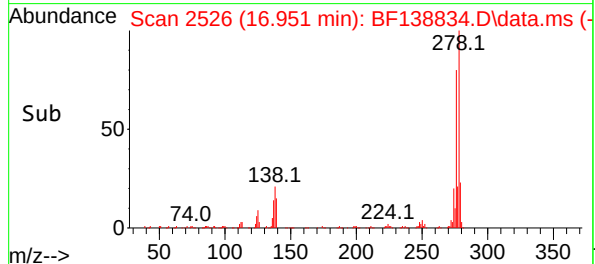
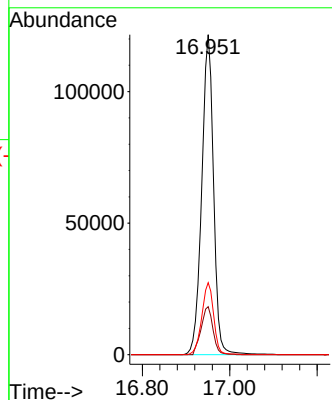
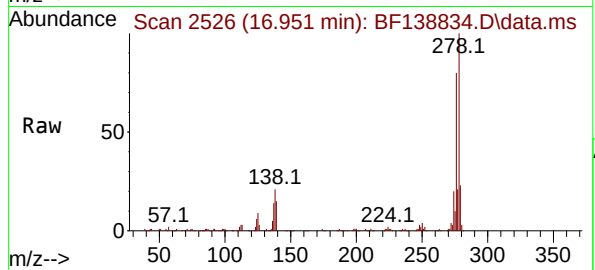




#91
Dibenzo(a,h)anthracene
Concen: 39.608 ng
RT: 16.951 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

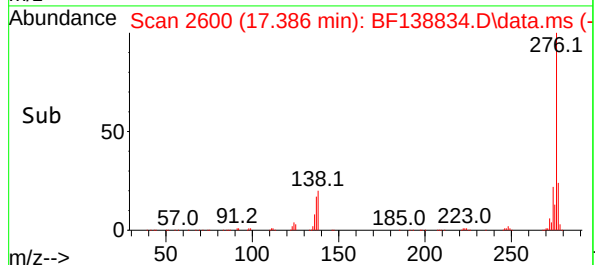
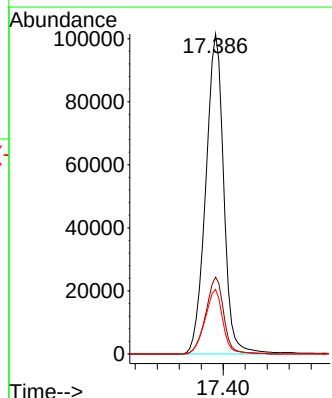
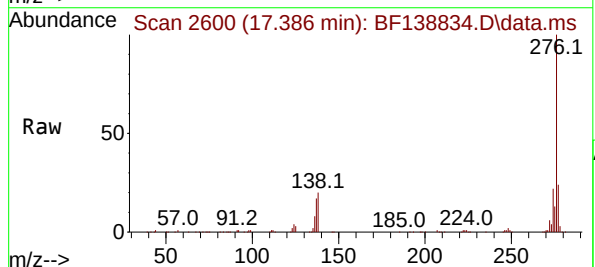
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 229198
Ion Ratio Lower Upper
278 100
139 15.0 14.0 21.0
279 22.5 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 38.367 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

Tgt Ion:276 Resp: 230392
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 20.2 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138834.D
 Acq On : 07 Aug 2024 11:00
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	73	0.00
2	1,4-Dioxane	0.567	0.514	9.3	66	0.02
3	Pyridine	1.374	1.257	8.5	67	0.02
4	n-Nitrosodimethylamine	0.818	0.826	-1.0	74	0.03
5 S	2-Fluorophenol	1.296	1.272	1.9	73	0.00
6	Aniline	1.551	1.505	3.0	72	0.00
7 S	Phenol-d6	1.740	1.684	3.2	74	0.00
8	2-Chlorophenol	1.363	1.376	-1.0	76	0.00
9	Benzaldehyde	1.043	0.918	12.0	75	0.00
10 C	Phenol	1.832	1.774	3.2	73	0.00
11	bis(2-Chloroethyl)ether	1.409	1.299	7.8	70	0.00
12	1,3-Dichlorobenzene	1.526	1.529	-0.2	76	0.00
13 C	1,4-Dichlorobenzene	1.540	1.531	0.6	75	0.00
14	1,2-Dichlorobenzene	1.439	1.462	-1.6	76	0.00
15	Benzyl Alcohol	1.254	1.304	-4.0	79	0.00
16	2,2'-oxybis(1-Chloropropane	2.426	2.094	13.7	65	0.00
17	2-Methylphenol	1.126	1.110	1.4	74	0.00
18	Hexachloroethane	0.580	0.594	-2.4	77	0.00
19 P	n-Nitroso-di-n-propylamine	1.051	1.049	0.2	78	0.00
20	3+4-Methylphenols	1.444	1.468	-1.7	79	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	75	0.00
22	Acetophenone	0.490	0.511	-4.3	80	0.00
23 S	Nitrobenzene-d5	0.409	0.418	-2.2	77	0.00
24	Nitrobenzene	0.416	0.412	1.0	74	0.00
25	Isophorone	0.699	0.684	2.1	75	0.00
26 C	2-Nitrophenol	0.179	0.181	-1.1	74	0.00
27	2,4-Dimethylphenol	0.214	0.215	-0.5	76	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.411	3.3	74	0.00
29 C	2,4-Dichlorophenol	0.275	0.284	-3.3	77	0.00
30	1,2,4-Trichlorobenzene	0.318	0.327	-2.8	78	0.00
31	Naphthalene	1.053	1.058	-0.5	76	0.00
32	Benzoic acid	0.168	0.145	13.7	66	0.03
33	4-Chloroaniline	0.353	0.358	-1.4	78	0.00
34 C	Hexachlorobutadiene	0.192	0.203	-5.7	80	0.00
35	Caprolactam	0.082	0.084	-2.4	80	0.01
36 C	4-Chloro-3-methylphenol	0.315	0.330	-4.8	81	0.00
37	2-Methylnaphthalene	0.665	0.683	-2.7	79	0.00
38	1-Methylnaphthalene	0.652	0.670	-2.8	79	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	0.556	0.573	-3.1	82	0.00
41 P	Hexachlorocyclopentadiene	0.120	0.094	21.7	59	0.00
42 S	2,4,6-Tribromophenol	0.164	0.177	-7.9	88	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.343	-1.2	81	0.00
44	2,4,5-Trichlorophenol	0.370	0.377	-1.9	81	0.00
45 S	2-Fluorobiphenyl	1.331	1.404	-5.5	85	0.00
46	1,1'-Biphenyl	1.566	1.594	-1.8	82	0.00
47	2-Chloronaphthalene	1.165	1.176	-0.9	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138834.D
 Acq On : 07 Aug 2024 11:00
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	0.395	0.403	-2.0	82	0.00
49	Acenaphthylene	1.652	1.655	-0.2	80	0.00
50	Dimethylphthalate	1.279	1.328	-3.8	85	0.00
51	2,6-Dinitrotoluene	0.289	0.302	-4.5	83	0.00
52 C	Acenaphthene	1.111	1.115	-0.4	82	0.00
53	3-Nitroaniline	0.298	0.305	-2.3	84	0.00
54 P	2,4-Dinitrophenol	0.133	0.162	-21.8	101	0.00
55	Dibenzofuran	1.568	1.609	-2.6	84	0.00
56 P	4-Nitrophenol	0.179	0.212	-18.4	96	0.01
57	2,4-Dinitrotoluene	0.368	0.397	-7.9	87	0.00
58	Fluorene	1.249	1.312	-5.0	86	0.00
59	2,3,4,6-Tetrachlorophenol	0.283	0.285	-0.7	82	0.00
60	Diethylphthalate	1.213	1.316	-8.5	90	0.00
61	4-Chlorophenyl-phenylether	0.614	0.642	-4.6	86	0.00
62	4-Nitroaniline	0.284	0.300	-5.6	87	0.00
63	Azobenzene	1.345	1.357	-0.9	83	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
65	4,6-Dinitro-2-methylphenol	0.122	0.128	-4.9	88	0.00
66 c	n-Nitrosodiphenylamine	0.625	0.632	-1.1	86	0.00
67	4-Bromophenyl-phenylether	0.217	0.221	-1.8	88	0.00
68	Hexachlorobenzene	0.224	0.234	-4.5	92	0.00
69	Atrazine	0.161	0.150	6.8	80	0.00
70 C	Pentachlorophenol	0.101	0.127	-25.7#	107	0.00
71	Phenanthrene	1.030	1.044	-1.4	88	0.00
72	Anthracene	1.015	1.049	-3.3	90	0.00
73	Carbazole	0.875	0.887	-1.4	88	0.00
74	Di-n-butylphthalate	0.984	1.093	-11.1	95	0.00
75 C	Fluoranthene	0.961	0.977	-1.7	87	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	72	0.00
77	Benzydine	0.478	0.528	-10.5	71	0.00
78	Pyrene	1.883	2.155	-14.4	89	0.00
79 S	Terphenyl-d14	1.195	1.339	-12.1	87	0.00
80	Butylbenzylphthalate	0.603	0.617	-2.3	71	0.00
81	Benzo(a)anthracene	1.377	1.344	2.4	69	0.00
82	3,3'-Dichlorobenzidine	0.352	0.371	-5.4	74	0.00
83	Chrysene	1.243	1.252	-0.7	74	0.00
84	Bis(2-ethylhexyl)phthalate	0.883	0.798	9.6	61	-0.01
85 c	Di-n-octyl phthalate	1.634	1.478	9.5	61	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	65	0.00
87	Indeno(1,2,3-cd)pyrene	1.433	1.414	1.3	66	0.00
88	Benzo(b)fluoranthene	1.240	1.150	7.3	61	0.00
89	Benzo(k)fluoranthene	1.073	1.165	-8.6	76	0.00
90 C	Benzo(a)pyrene	1.043	1.056	-1.2	67	0.00
91	Dibenzo(a,h)anthracene	1.177	1.165	1.0	67	0.00
92	Benzo(g,h,i)perylene	1.221	1.171	4.1	63	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138834.D
 Acq On : 07 Aug 2024 11:00
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
 BNA_F
 LabSampleId :
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Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	73	0.00
2	1,4-Dioxane	40.000	36.215	9.5	66	0.02
3	Pyridine	40.000	36.599	8.5	67	0.02
4	n-Nitrosodimethylamine	40.000	40.355	-0.9	74	0.03
5 S	2-Fluorophenol	80.000	78.567	1.8	73	0.00
6	Aniline	40.000	38.808	3.0	72	0.00
7 S	Phenol-d6	80.000	77.436	3.2	74	0.00
8	2-Chlorophenol	40.000	40.368	-0.9	76	0.00
9	Benzaldehyde	40.000	35.197	12.0	75	0.00
10 C	Phenol	40.000	38.748	3.1	73	0.00
11	bis(2-Chloroethyl)ether	40.000	36.880	7.8	70	0.00
12	1,3-Dichlorobenzene	40.000	40.075	-0.2	76	0.00
13 C	1,4-Dichlorobenzene	40.000	39.769	0.6	75	0.00
14	1,2-Dichlorobenzene	40.000	40.634	-1.6	76	0.00
15	Benzyl Alcohol	40.000	41.611	-4.0	79	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	34.526	13.7	65	0.00
17	2-Methylphenol	40.000	39.457	1.4	74	0.00
18	Hexachloroethane	40.000	41.012	-2.5	77	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.957	0.1	78	0.00
20	3+4-Methylphenols	40.000	40.665	-1.7	79	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	75	0.00
22	Acetophenone	40.000	41.713	-4.3	80	0.00
23 S	Nitrobenzene-d5	80.000	81.789	-2.2	77	0.00
24	Nitrobenzene	40.000	39.592	1.0	74	0.00
25	Isophorone	40.000	39.164	2.1	75	0.00
26 C	2-Nitrophenol	40.000	40.406	-1.0	74	0.00
27	2,4-Dimethylphenol	40.000	40.149	-0.4	76	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.662	3.3	74	0.00
29 C	2,4-Dichlorophenol	40.000	41.292	-3.2	77	0.00
30	1,2,4-Trichlorobenzene	40.000	41.202	-3.0	78	0.00
31	Naphthalene	40.000	40.213	-0.5	76	0.00
32	Benzoic acid	40.000	34.391	14.0	66	0.03
33	4-Chloroaniline	40.000	40.507	-1.3	78	0.00
34 C	Hexachlorobutadiene	40.000	42.223	-5.6	80	0.00
35	Caprolactam	40.000	40.674	-1.7	80	0.01
36 C	4-Chloro-3-methylphenol	40.000	41.906	-4.8	81	0.00
37	2-Methylnaphthalene	40.000	41.088	-2.7	79	0.00
38	1-Methylnaphthalene	40.000	41.106	-2.8	79	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.267	-3.2	82	0.00
41 P	Hexachlorocyclopentadiene	40.000	30.427	23.9	59	0.00
42 S	2,4,6-Tribromophenol	80.000	86.419	-8.0	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.544	-1.4	81	0.00
44	2,4,5-Trichlorophenol	40.000	40.673	-1.7	81	0.00
45 S	2-Fluorobiphenyl	80.000	84.384	-5.5	85	0.00
46	1,1'-Biphenyl	40.000	40.703	-1.8	82	0.00
47	2-Chloronaphthalene	40.000	40.385	-1.0	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138834.D
 Acq On : 07 Aug 2024 11:00
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.863	-2.2	82	0.00
49	Acenaphthylene	40.000	40.062	-0.2	80	0.00
50	Dimethylphthalate	40.000	41.542	-3.9	85	0.00
51	2,6-Dinitrotoluene	40.000	41.907	-4.8	83	0.00
52 C	Acenaphthene	40.000	40.146	-0.4	82	0.00
53	3-Nitroaniline	40.000	40.914	-2.3	84	0.00
54 P	2,4-Dinitrophenol	40.000	48.693	-21.7	101	0.00
55	Dibenzofuran	40.000	41.040	-2.6	84	0.00
56 P	4-Nitrophenol	40.000	47.350	-18.4	96	0.01
57	2,4-Dinitrotoluene	40.000	43.111	-7.8	87	0.00
58	Fluorene	40.000	42.029	-5.1	86	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.256	-0.6	82	0.00
60	Diethylphthalate	40.000	43.424	-8.6	90	0.00
61	4-Chlorophenyl-phenylether	40.000	41.796	-4.5	86	0.00
62	4-Nitroaniline	40.000	42.315	-5.8	87	0.00
63	Azobenzene	40.000	40.362	-0.9	83	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	86	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.863	-4.7	88	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.418	-1.0	86	0.00
67	4-Bromophenyl-phenylether	40.000	40.780	-2.0	88	0.00
68	Hexachlorobenzene	40.000	41.919	-4.8	92	0.00
69	Atrazine	40.000	37.299	6.8	80	0.00
70 C	Pentachlorophenol	40.000	50.395	-26.0#	107	0.00
71	Phenanthrene	40.000	40.551	-1.4	88	0.00
72	Anthracene	40.000	41.374	-3.4	90	0.00
73	Carbazole	40.000	40.547	-1.4	88	0.00
74	Di-n-butylphthalate	40.000	44.439	-11.1	95	0.00
75 C	Fluoranthene	40.000	40.665	-1.7	87	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	72	0.00
77	Benzydine	40.000	44.125	-10.3	71	0.00
78	Pyrene	40.000	45.775	-14.4	89	0.00
79 S	Terphenyl-d14	80.000	89.697	-12.1	87	0.00
80	Butylbenzylphthalate	40.000	40.905	-2.3	71	0.00
81	Benzo(a)anthracene	40.000	39.044	2.4	69	0.00
82	3,3'-Dichlorobenzidine	40.000	42.093	-5.2	74	0.00
83	Chrysene	40.000	40.317	-0.8	74	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.147	9.6	61	-0.01
85 c	Di-n-octyl phthalate	40.000	36.186	9.5	61	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	65	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.456	1.4	66	0.00
88	Benzo(b)fluoranthene	40.000	37.113	7.2	61	0.00
89	Benzo(k)fluoranthene	40.000	43.425	-8.6	76	0.00
90 C	Benzo(a)pyrene	40.000	40.488	-1.2	67	0.00
91	Dibenzo(a,h)anthracene	40.000	39.608	1.0	67	0.00
92	Benzo(g,h,i)perylene	40.000	38.367	4.1	63	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138834.D
Acq On : 07 Aug 2024 11:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 07 11:26:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/09/2024 09:48

Lab File ID: BF138879.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.374	1.192		-13.2	
2-Fluorophenol	1.296	1.253		-3.3	
Benzaldehyde	1.043	0.831		-20.3	
Phenol-d6	1.740	1.688		-3.0	
2-Methylphenol	1.126	1.087		-3.5	
3+4-Methylphenols	1.444	1.469		1.7	
Nitrobenzene-d5	0.409	0.415		1.5	
Hexachloroethane	0.580	0.586		1.0	
Nitrobenzene	0.416	0.419		0.7	
Naphthalene	1.053	1.044		-0.9	
Hexachlorobutadiene	0.192	0.201		4.7	20.0
2-Methylnaphthalene	0.665	0.685		3.0	
2,4,6-Trichlorophenol	0.339	0.331		-2.4	20.0
2-Fluorobiphenyl	1.331	1.366		2.6	
2,4,5-Trichlorophenol	0.370	0.367		-0.8	
Acenaphthylene	1.652	1.623		-1.8	
Acenaphthene	1.111	1.081		-2.7	20.0
Dibenzofuran	1.568	1.578		0.6	
2,4-Dinitrotoluene	0.368	0.397		7.9	
Fluorene	1.249	1.298		3.9	
2,4,6-Tribromophenol	0.164	0.175		6.7	
Hexachlorobenzene	0.224	0.225		0.4	
Pentachlorophenol	0.101	0.114		12.9	20.0
Phenanthrene	1.030	1.033		0.3	
Anthracene	1.015	1.020		0.5	
Carbazole	0.875	0.907		3.7	
Di-n-butylphthalate	0.984	1.177		19.6	
Fluoranthene	0.961	1.015		5.6	20.0
Pyrene	1.883	2.164		14.9	
Terphenyl-d14	1.195	1.398		17.0	
Benzo (a) anthracene	1.377	1.353		-1.7	
Chrysene	1.243	1.242		-0.1	
Bis (2-ethylhexyl) phthalate	0.883	0.836		-5.3	
Benzo (b) fluoranthene	1.240	1.263		1.9	
Benzo (k) fluoranthene	1.073	1.156		7.7	
Benzo (a) pyrene	1.043	1.059		1.5	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.357		-5.3	
Dibenzo (a,h) anthracene	1.177	1.120		-4.8	
Benzo (g,h,i) perylene	1.221	1.111		-9.0	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429
Instrument ID: BNA_F Calibration Date/Time: 08/09/2024 09:48
Lab File ID: BF138879.D Init. Calib. Date(s): 07/30/2024 07/30/2024
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	<u>RRF</u>	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.567	0.467		-17.6	20.0
1-Methylnaphthalene	0.652	0.663		1.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138879.D
 Acq On : 09 Aug 2024 09:48
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024

Quant Time: Aug 09 10:52:44 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 30 17:50:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	65310	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	265298	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	151080	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	254940	20.000	ng	0.00
76) Chrysene-d12	14.004	240	120643	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	111360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	327221	77.341	ng	0.00
7) Phenol-d6	6.492	99	441036	77.642	ng	0.00
23) Nitrobenzene-d5	7.416	82	440205	81.125	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	105999	85.652	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	825374	82.084	ng	0.00
79) Terphenyl-d14	12.945	244	674631	93.624	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.599	88	61050	32.959	ng	96
3) Pyridine	3.357	79	155693	34.698	ng	97
4) n-Nitrosodimethylamine	3.334	42	110982	41.529	ng	85
6) Aniline	6.510	93	195305	38.553	ng	# 42
8) 2-Chlorophenol	6.634	128	177941	39.975	ng	99
9) Benzaldehyde	6.398	77	108515	31.868	ng	100
10) Phenol	6.510	94	230807	38.591	ng	78
11) bis(2-Chloroethyl)ether	6.587	93	172259	37.428	ng	98
12) 1,3-Dichlorobenzene	6.787	146	195964	39.328	ng	99
13) 1,4-Dichlorobenzene	6.863	146	198050	39.385	ng	99
14) 1,2-Dichlorobenzene	7.016	146	191541	40.758	ng	100
15) Benzyl Alcohol	6.992	79	174054	42.513	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	278655	35.181	ng	54
17) 2-Methylphenol	7.110	107	142043	38.644	ng	# 89
18) Hexachloroethane	7.351	117	76517	40.424	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	141939	41.371	ng	98
20) 3+4-Methylphenols	7.263	107	191899	40.691	ng	# 90
22) Acetophenone	7.257	105	265553	40.881	ng	# 98
24) Nitrobenzene	7.434	77	222112	40.226	ng	99
25) Isophorone	7.669	82	365563	39.454	ng	98
26) 2-Nitrophenol	7.745	139	97900	41.211	ng	95
27) 2,4-Dimethylphenol	7.786	122	111210	39.127	ng	97
28) bis(2-Chloroethoxy)met...	7.875	93	218905	38.796	ng	99
29) 2,4-Dichlorophenol	7.992	162	150623	41.240	ng	100
30) 1,2,4-Trichlorobenzene	8.063	180	168914	40.076	ng	99
31) Naphthalene	8.145	128	553926	39.667	ng	100
32) Benzoic acid	7.945	122	79011	35.363	ng	93
33) 4-Chloroaniline	8.204	127	173813	37.080	ng	98
34) Hexachlorobutadiene	8.257	225	106581	41.748	ng	99
35) Caprolactam	8.598	113	45794m	42.020	ng	
36) 4-Chloro-3-methylphenol	8.692	107	175226	41.980	ng	99
37) 2-Methylnaphthalene	8.833	142	363449	41.211	ng	99
38) 1-Methylnaphthalene	8.933	142	351793	40.707	ng	98
40) 1,2,4,5-Tetrachloroben...	9.004	216	168508	40.151	ng	99
41) Hexachlorocyclopentadiene	8.980	237	51121	48.979	ng	99
43) 2,4,6-Trichlorophenol	9.122	196	99909	39.044	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138879.D
 Acq On : 09 Aug 2024 09:48
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2024
 Supervised By :mohammad ahmed 08/12/2024

Quant Time: Aug 09 10:52:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	110978	39.672	ng	100
46) 1,1'-Biphenyl	9.304	154	461730	39.023	ng	99
47) 2-Chloronaphthalene	9.328	162	343772	39.064	ng	99
48) 2-Nitroaniline	9.433	65	120246	40.306	ng	99
49) Acenaphthylene	9.739	152	490451	39.295	ng	100
50) Dimethylphthalate	9.604	163	397073	41.104	ng	100
51) 2,6-Dinitrotoluene	9.675	165	89744	41.164	ng	91
52) Acenaphthene	9.916	154	326651	38.933	ng	100
53) 3-Nitroaniline	9.845	138	89775	39.833	ng	97
54) 2,4-Dinitrophenol	9.957	184	45402	45.240	ng	# 83
55) Dibenzofuran	10.086	168	476936	40.270	ng	99
56) 4-Nitrophenol	10.022	139	57826	42.666	ng	91
57) 2,4-Dinitrotoluene	10.080	165	120107	43.181	ng	# 83
58) Fluorene	10.427	166	392206	41.585	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	87762m	41.037	ng	
60) Diethylphthalate	10.298	149	402355	43.927	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	193596	41.737	ng	97
62) 4-Nitroaniline	10.463	138	88058	41.114	ng	89
63) Azobenzene	10.580	77	412159	40.571	ng	98
65) 4,6-Dinitro-2-methylph...	10.492	198	64538	41.494	ng	94
66) n-Nitrosodiphenylamine	10.539	169	321358	40.327	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	111018	40.221	ng	96
68) Hexachlorobenzene	10.974	284	114946	40.333	ng	99
69) Atrazine	11.063	200	79675	38.753	ng	96
70) Pentachlorophenol	11.174	266	58263	45.355	ng	98
71) Phenanthrene	11.392	178	526719	40.124	ng	100
72) Anthracene	11.445	178	519957	40.206	ng	100
73) Carbazole	11.598	167	462567	41.459	ng	99
74) Di-n-butylphthalate	11.916	149	599976	47.835	ng	99
75) Fluoranthene	12.574	202	517334	42.213	ng	99
77) Benzidine	12.698	184	114954	39.838	ng	99
78) Pyrene	12.804	202	522241	45.976	ng	99
80) Butylbenzylphthalate	13.415	149	169955	46.724	ng	97
81) Benzo(a)anthracene	13.992	228	326447	39.294	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	83780	39.408	ng	98
83) Chrysene	14.027	228	299773	39.995	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	201833	37.893	ng	99
85) Di-n-octyl phthalate	14.580	149	337677	34.265	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	302261	37.875	ng	96
88) Benzo(b)fluoranthene	15.039	252	281311	40.751	ng	98
89) Benzo(k)fluoranthene	15.068	252	257413	43.068	ng	98
90) Benzo(a)pyrene	15.404	252	235833	40.615	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	249401	38.071	ng	97
92) Benzo(g,h,i)perylene	17.380	276	247476	36.405	ng	96

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

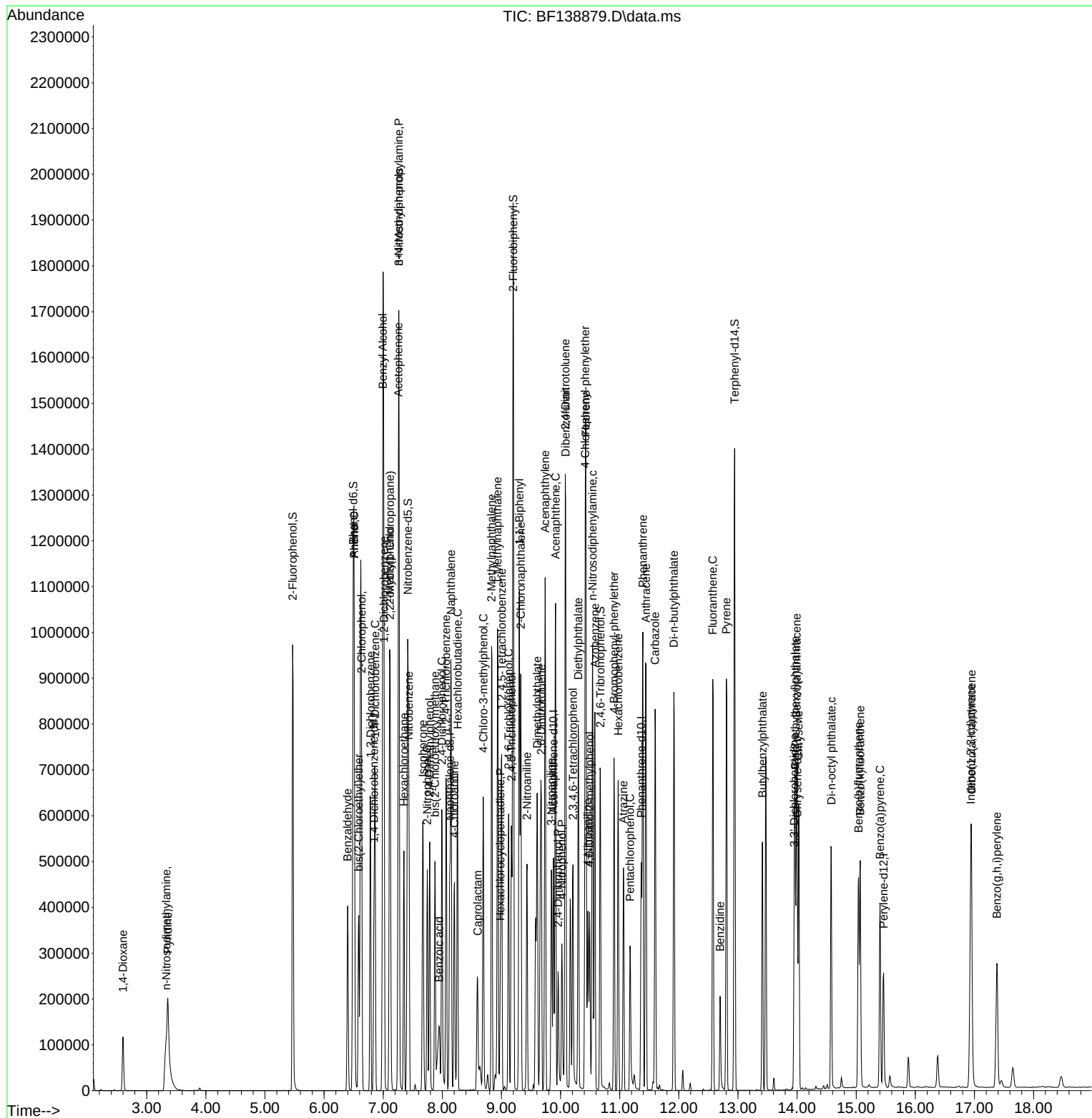
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

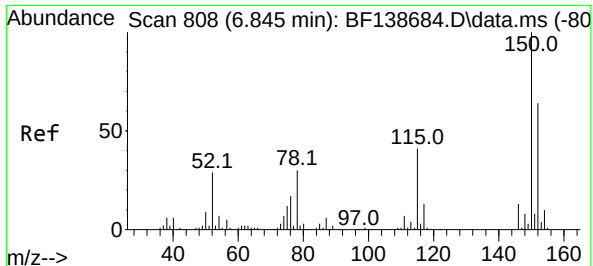
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

Quant Time: Aug 09 10:52:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





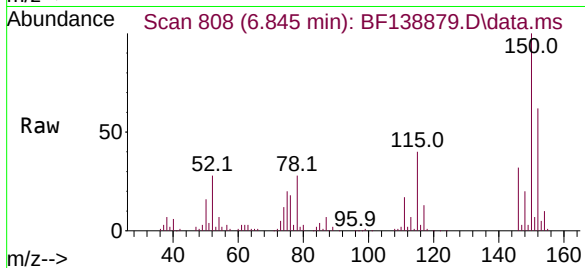
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

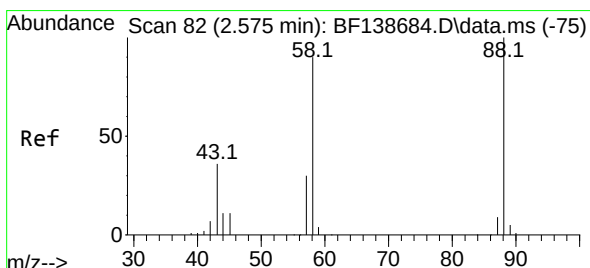
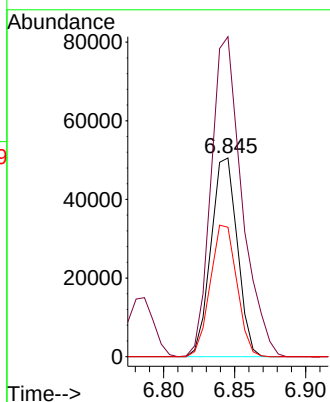
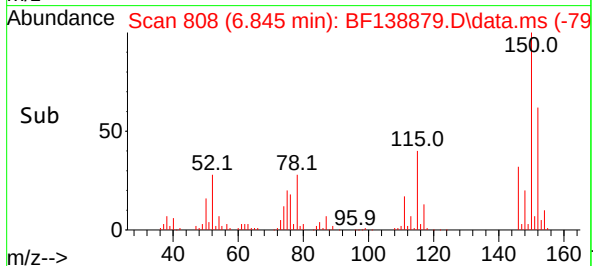


Tgt Ion:152 Resp: 65310
Ion Ratio Lower Upper
152 100
150 161.1 126.0 189.0
115 65.2 51.7 77.5

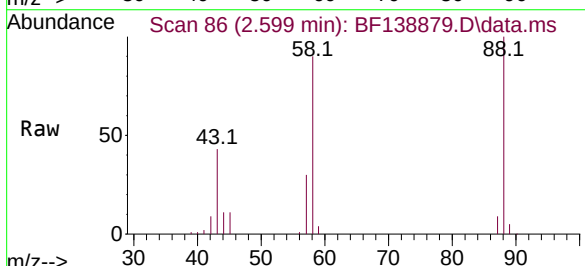
Manual Integrations

APPROVED

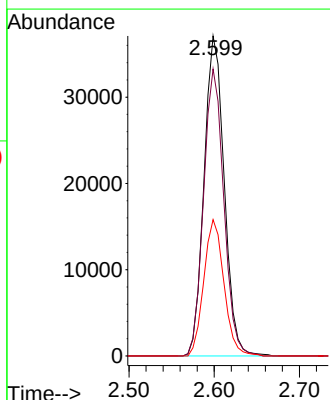
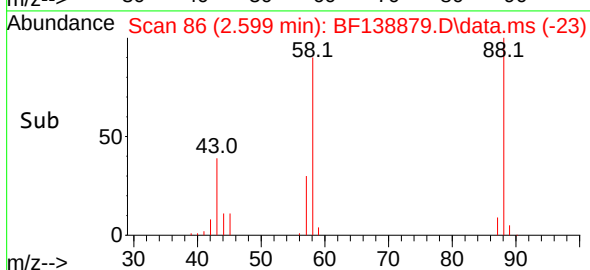
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

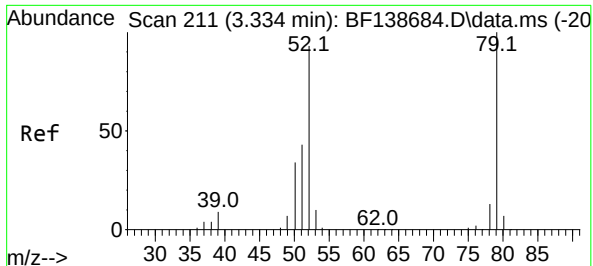


#2
1,4-Dioxane
Concen: 32.959 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.023 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



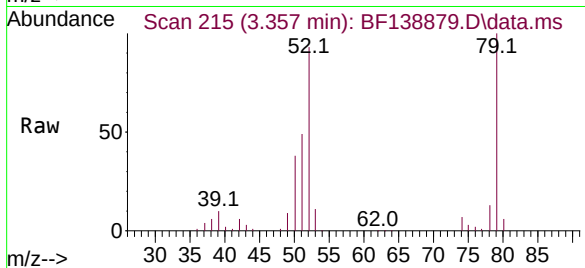
Tgt Ion: 88 Resp: 61050
Ion Ratio Lower Upper
88 100
58 89.9 71.6 107.4
43 42.6 28.7 43.1





#3
Pyridine
Concen: 34.698 ng
RT: 3.357 min Scan# 211
Delta R.T. 0.023 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

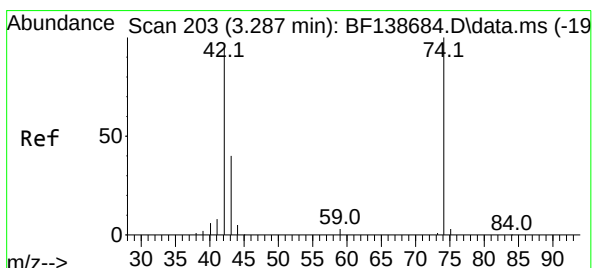
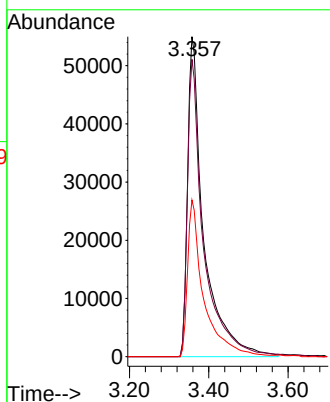
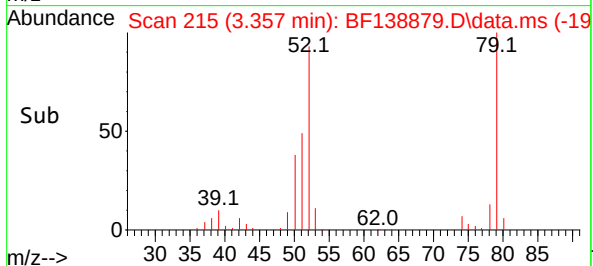
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 15569
Ion Ratio Lower Upper
79 100
52 93.0 74.7 112.1
51 48.9 34.6 51.8

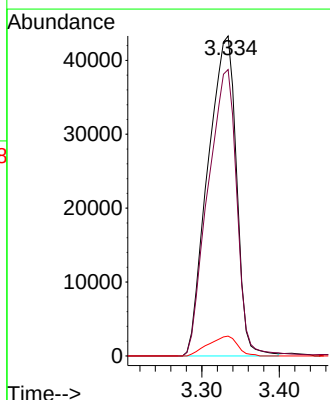
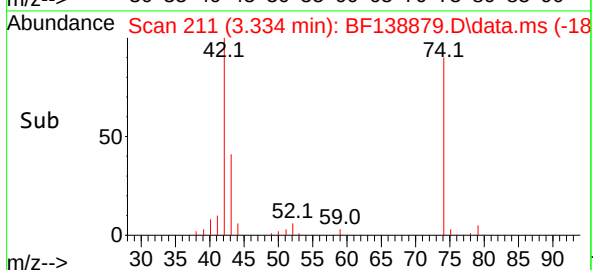
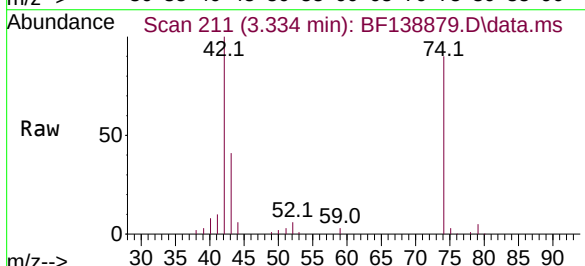
Manual Integrations
APPROVED

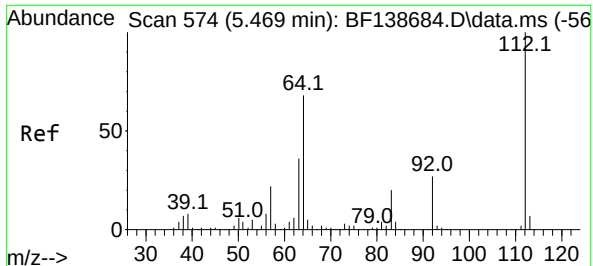
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#4
n-Nitrosodimethylamine
Concen: 41.529 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 42 Resp: 110982
Ion Ratio Lower Upper
42 100
74 89.5 84.2 126.4
44 6.2 4.9 7.3





#5
2-Fluorophenol
Concen: 77.341 ng
RT: 5.469 min Scan# 512
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

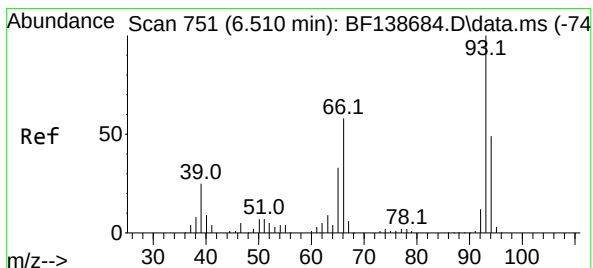
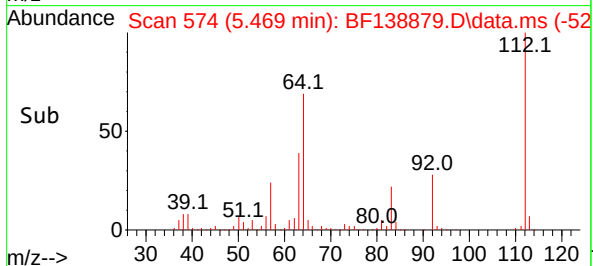
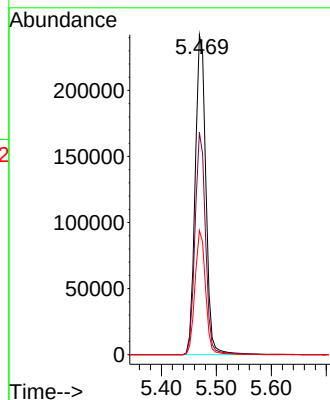
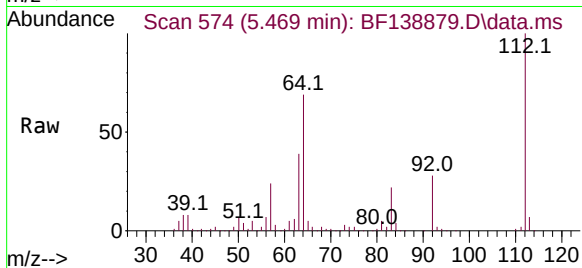
ClientSampleId :

SSTDCCC040

Tgt Ion:112 Resp: 32722
Ion Ratio Lower Upper
112 100
64 69.5 54.2 81.4
63 38.8 28.7 43.1

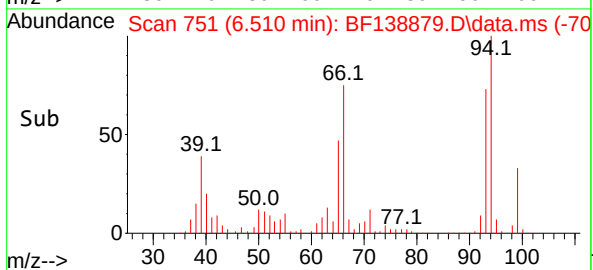
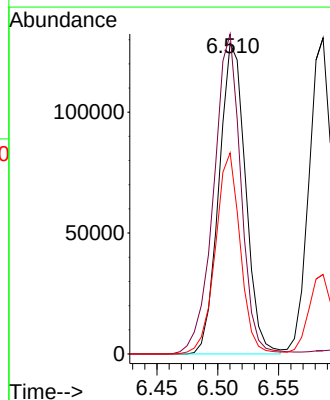
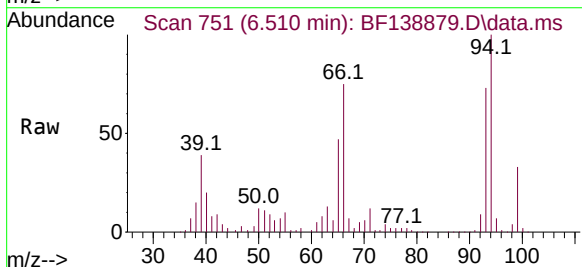
Manual Integrations
APPROVED

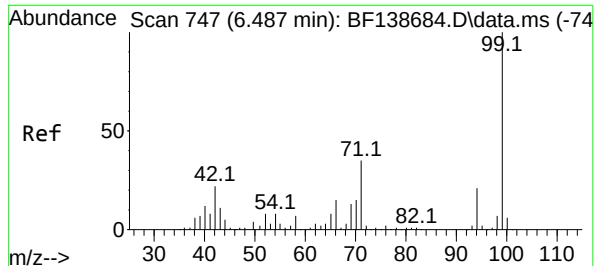
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#6
Aniline
Concen: 38.553 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

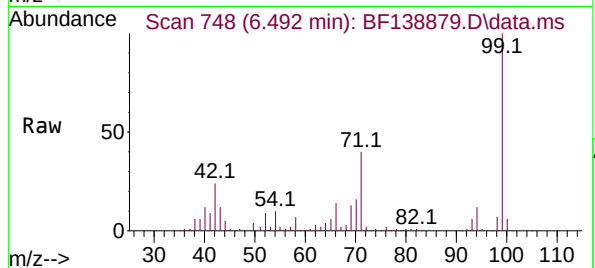
Tgt Ion: 93 Resp: 195305
Ion Ratio Lower Upper
93 100
66 103.0 46.9 70.3#
65 64.7 26.5 39.7#





#7
Phenol-d6
Concen: 77.642 ng
RT: 6.492 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

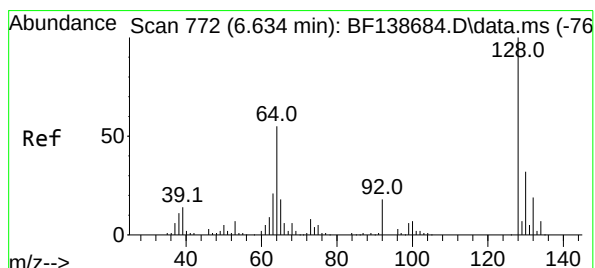
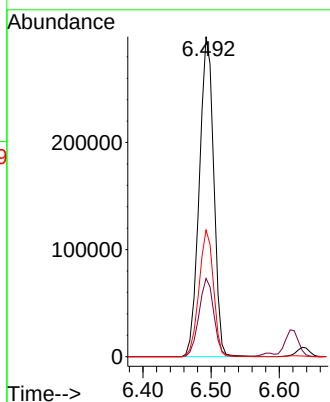
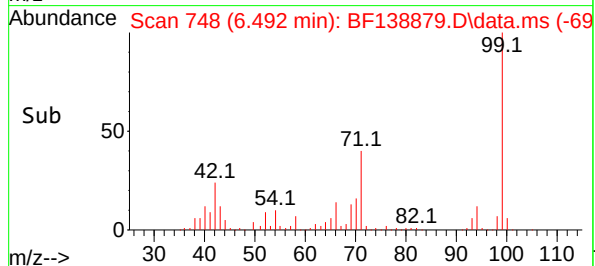
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 441030
Ion Ratio Lower Upper
99 100
42 24.5 17.4 26.0
71 39.6 28.1 42.1

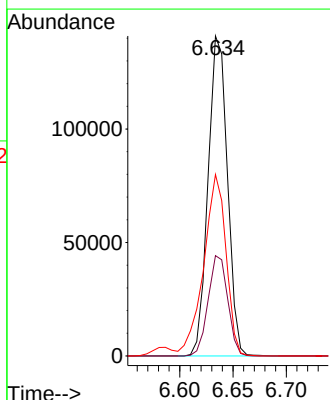
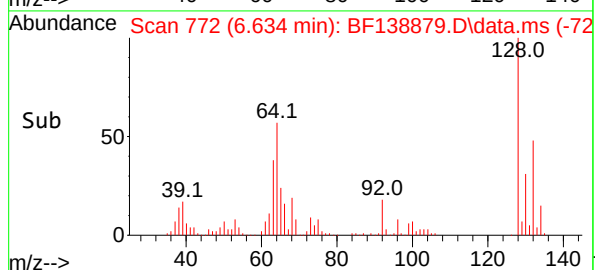
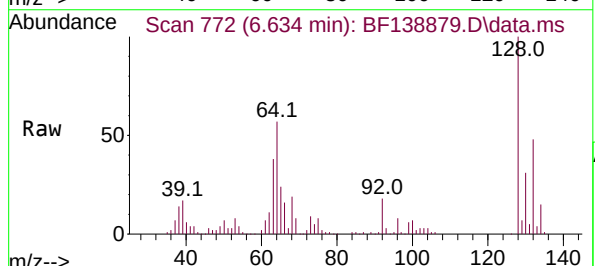
Manual Integrations
APPROVED

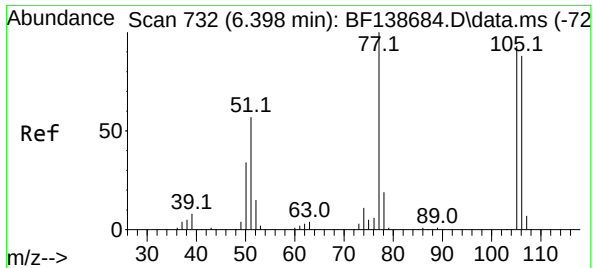
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#8
2-Chlorophenol
Concen: 39.975 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:128 Resp: 177941
Ion Ratio Lower Upper
128 100
130 31.4 12.0 52.0
64 56.7 36.3 76.3





#9

Benzaldehyde

Concen: 31.868 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138879.D

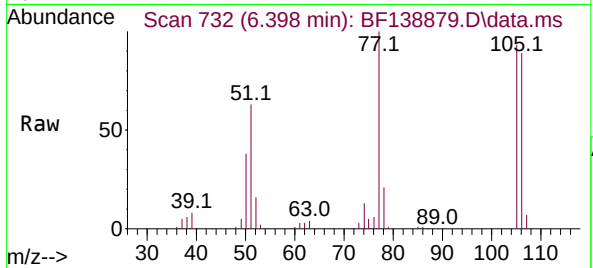
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



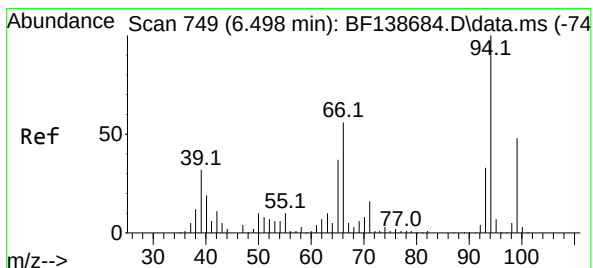
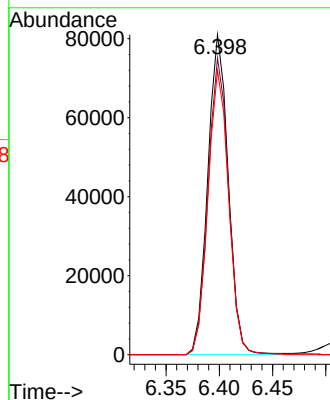
Tgt Ion: 77	Resp: 10851
Ion Ratio	Lower Upper
77	100
105	92.7 72.9 112.9
106	88.8 68.4 108.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#10

Phenol

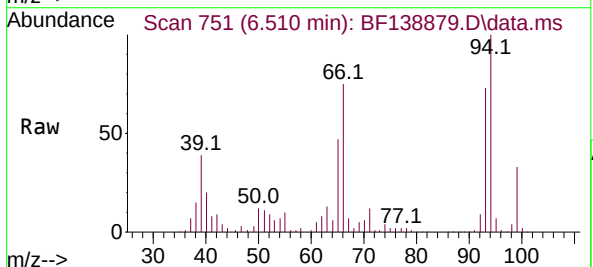
Concen: 38.591 ng

RT: 6.510 min Scan# 751

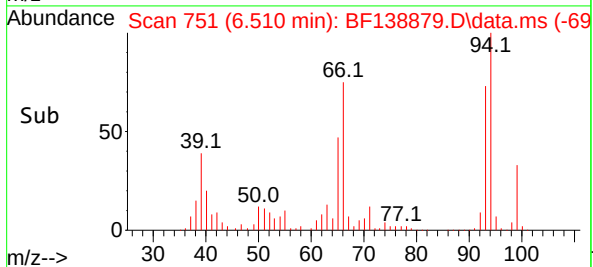
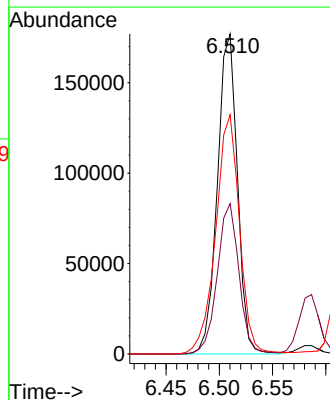
Delta R.T. 0.012 min

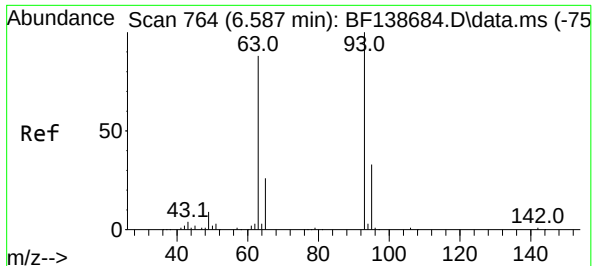
Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



Tgt Ion: 94	Resp: 230807
Ion Ratio	Lower Upper
94	100
65	47.0 16.9 56.9
66	74.8 36.5 76.5





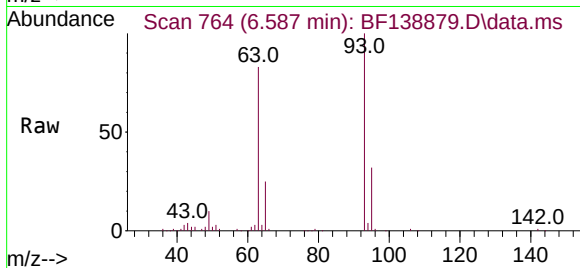
#11
bis(2-Chloroethyl)ether
Concen: 37.428 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

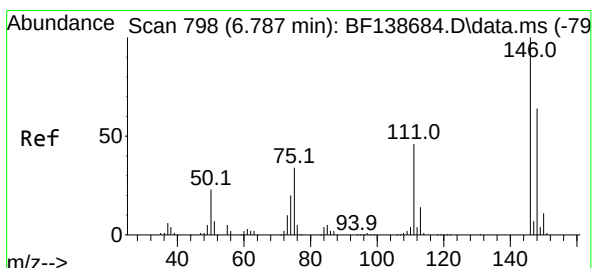
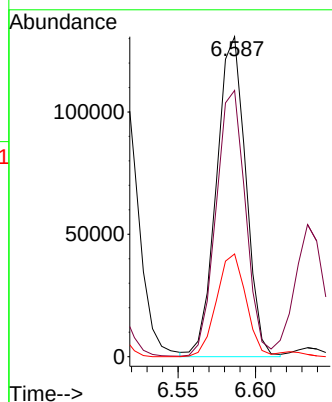
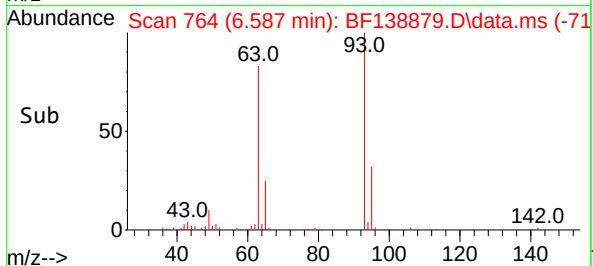


Tgt Ion: 93 Resp: 172259
Ion Ratio Lower Upper
93 100
63 83.2 65.3 105.3
95 32.1 12.4 52.4

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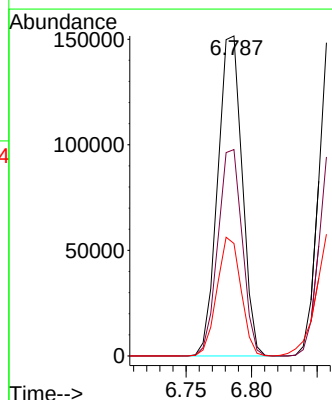
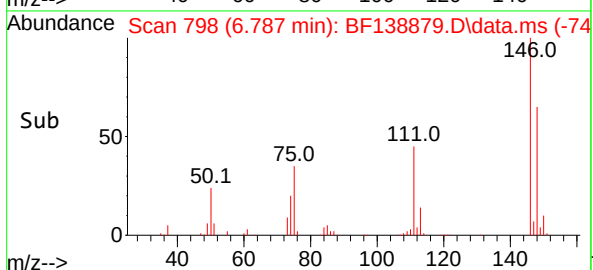
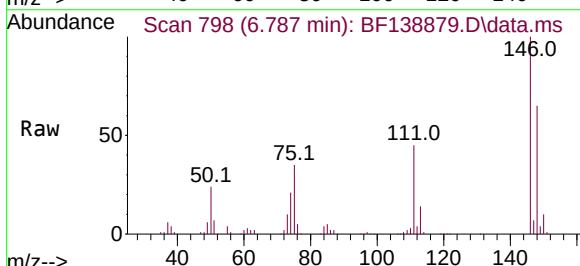
APPROVED

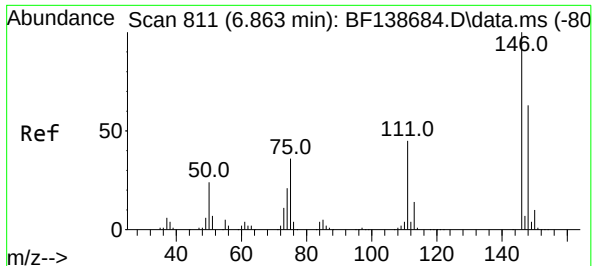
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#12
1,3-Dichlorobenzene
Concen: 39.328 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:146 Resp: 195964
Ion Ratio Lower Upper
146 100
148 64.5 51.2 76.8
75 35.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.385 ng

RT: 6.863 min Scan# 811

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 198050

Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.2

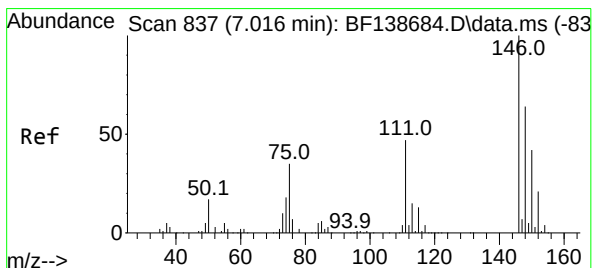
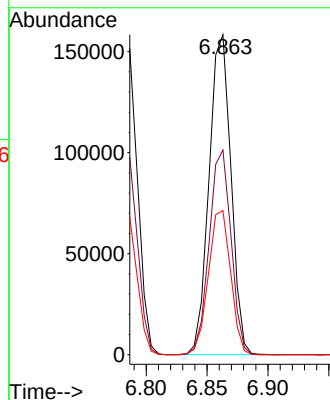
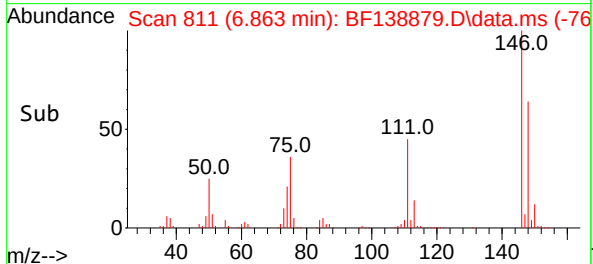
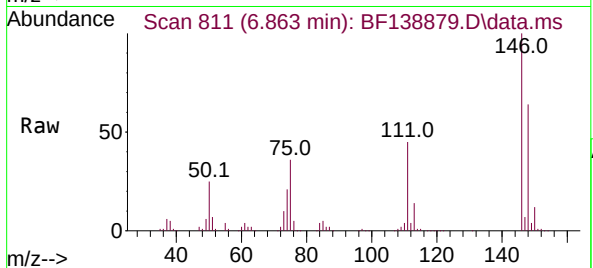
111 45.1 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#14

1,2-Dichlorobenzene

Concen: 40.758 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

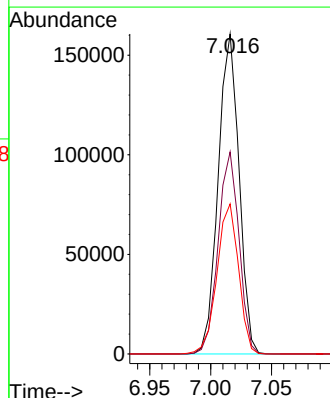
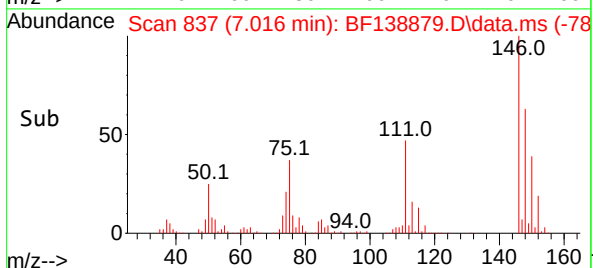
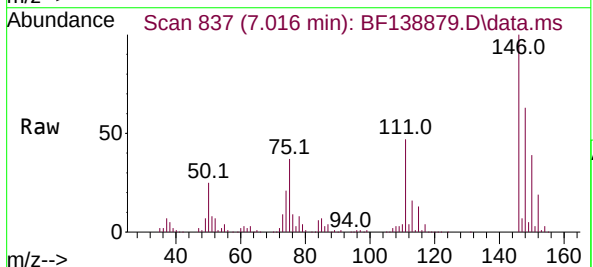
Tgt Ion:146 Resp: 191541

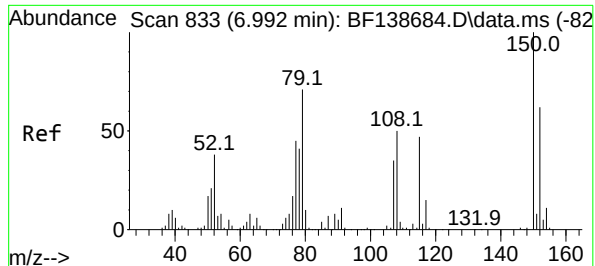
Ion Ratio Lower Upper

146 100

148 63.2 50.8 76.2

111 46.9 37.4 56.2





#15

Benzyl Alcohol

Concen: 42.513 ng

RT: 6.992 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 174054

Ion Ratio Lower Upper

79 100

108 67.8 56.6 85.0

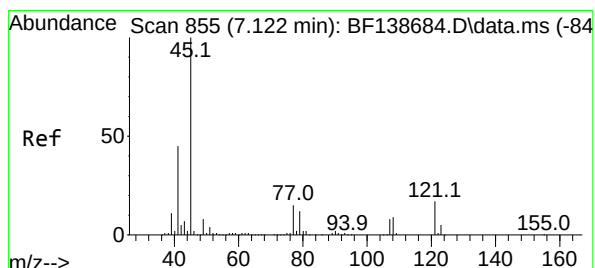
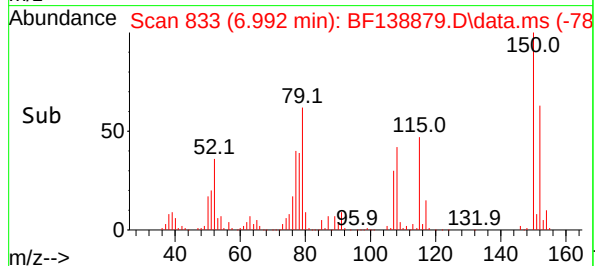
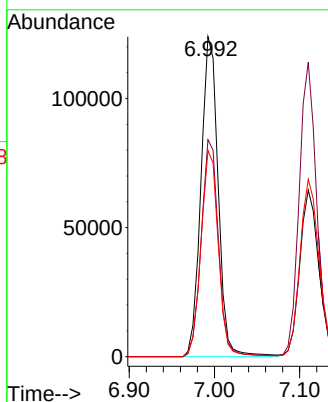
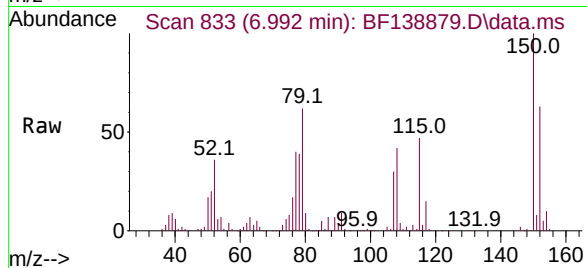
77 64.5 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.181 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

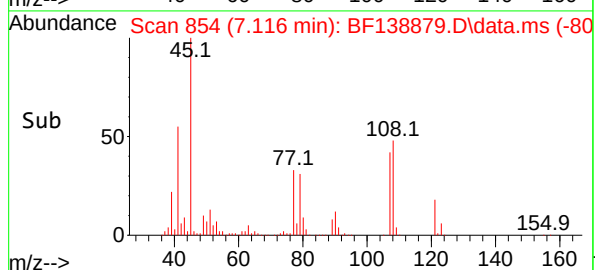
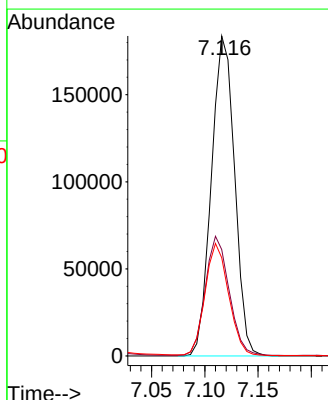
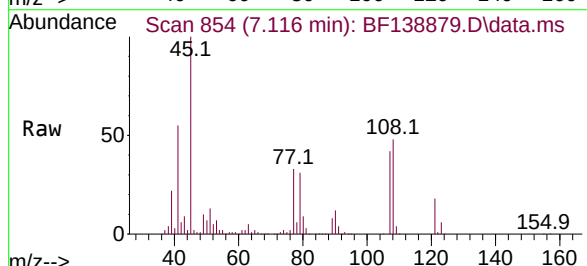
Tgt Ion: 45 Resp: 278655

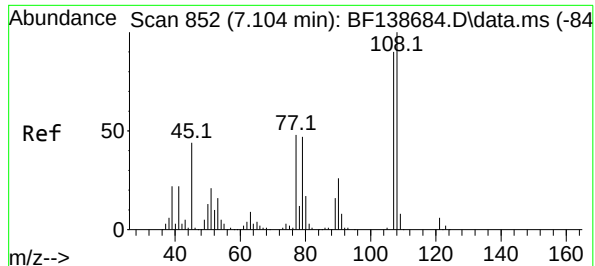
Ion Ratio Lower Upper

45 100

77 33.2 0.0 34.9

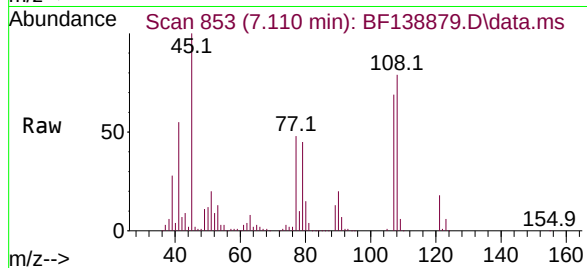
79 30.7 0.0 32.2





#17
2-Methylphenol
Concen: 38.644 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

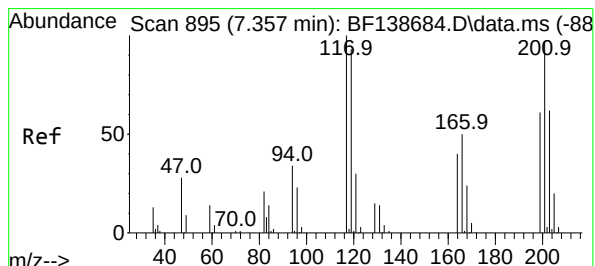
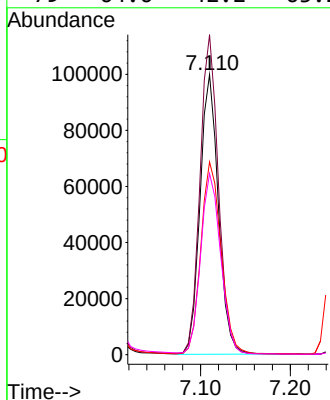
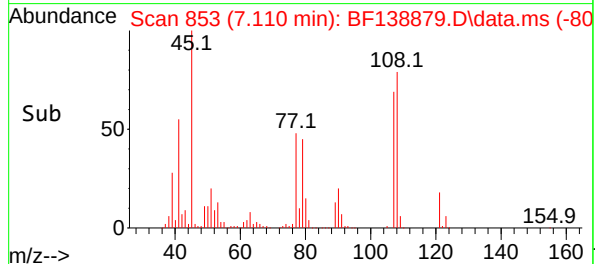
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:107 Resp: 142043
Ion Ratio Lower Upper
107 100
108 114.2 89.2 133.8
77 68.8 43.0 64.4
79 64.6 42.2 63.2

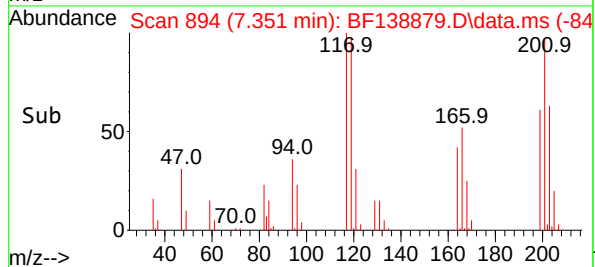
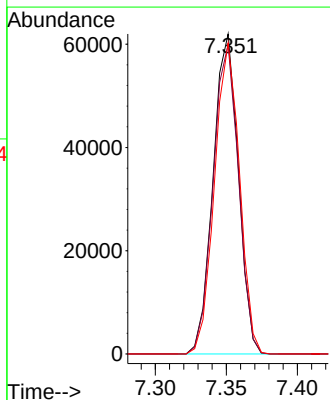
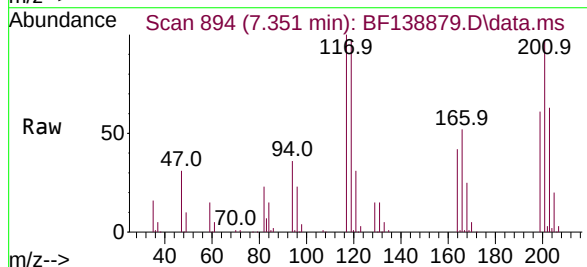
Manual Integrations
APPROVED

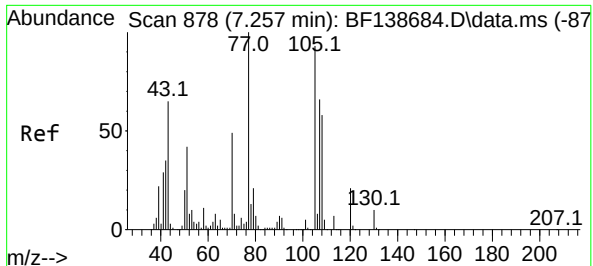
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#18
Hexachloroethane
Concen: 40.424 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:117 Resp: 76517
Ion Ratio Lower Upper
117 100
119 96.7 74.6 111.8
201 97.2 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 41.371 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF138879.D

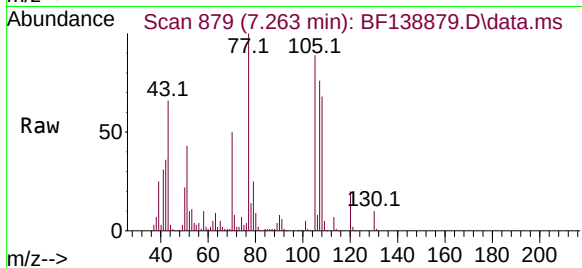
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 141939

Ion Ratio Lower Upper

70 100

42 73.4 57.4 86.0

101 9.9 7.5 11.3

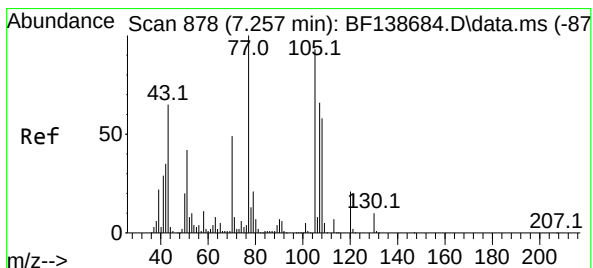
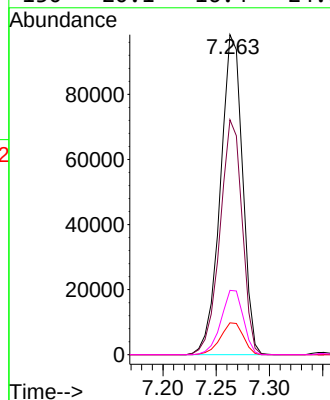
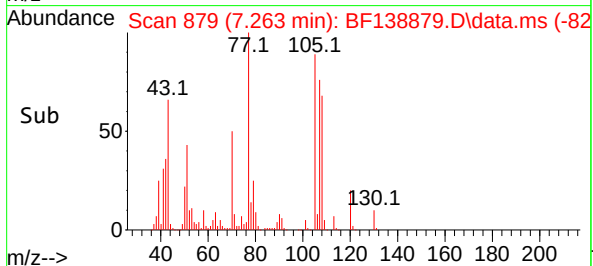
130 20.1 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#20

3+4-Methylphenols

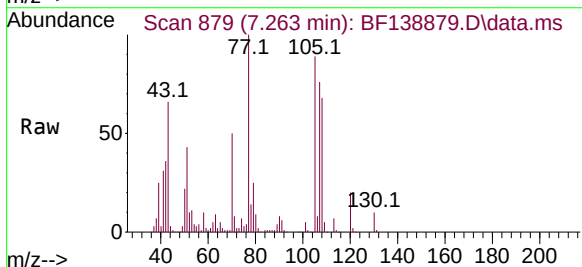
Concen: 40.691 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



Tgt Ion:107 Resp: 191899

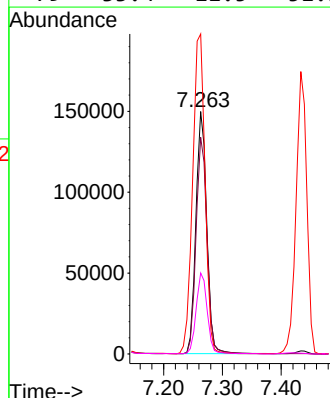
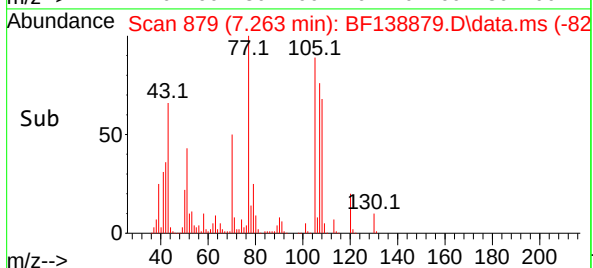
Ion Ratio Lower Upper

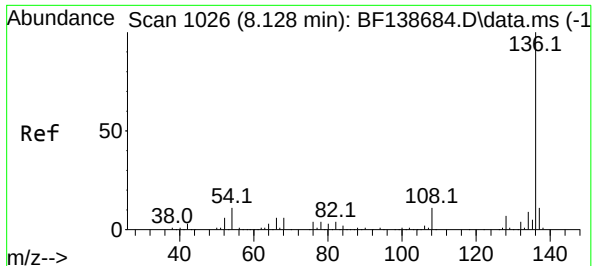
107 100

108 89.3 68.2 108.2

77 132.0 132.1 172.1#

79 33.4 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF138879.D

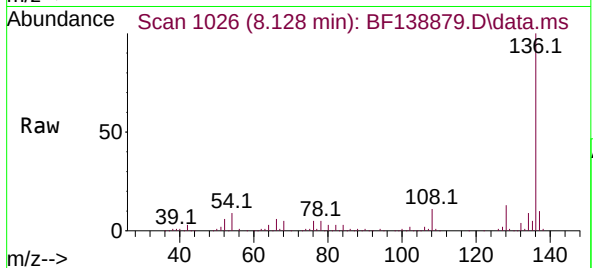
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 265298

Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 9.2 8.6 12.8

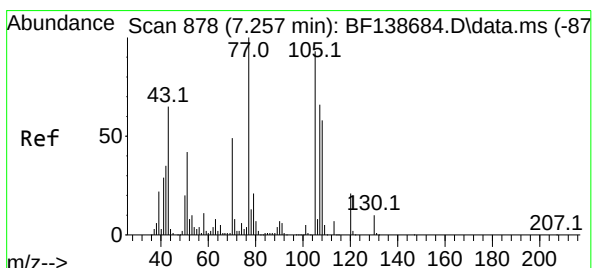
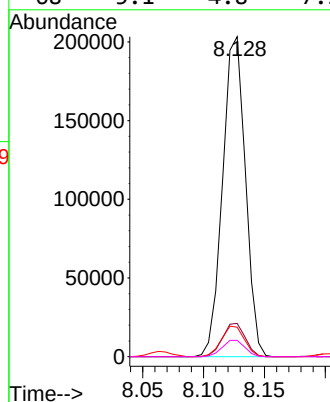
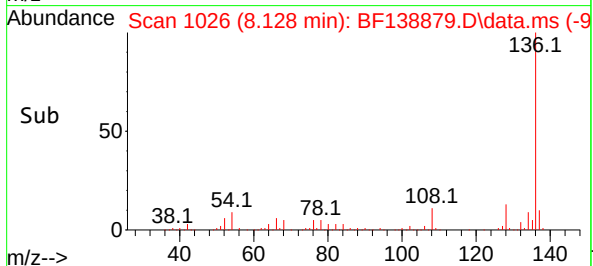
68 5.1 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#22

Acetophenone

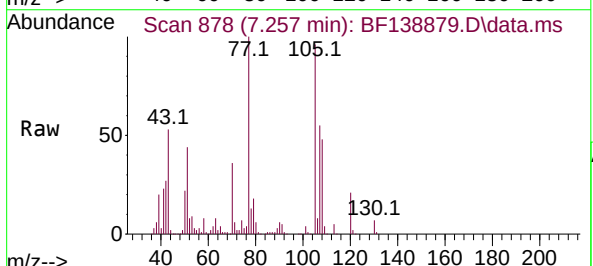
Concen: 40.881 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



Tgt Ion:105 Resp: 265553

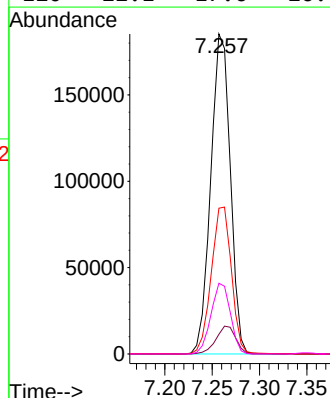
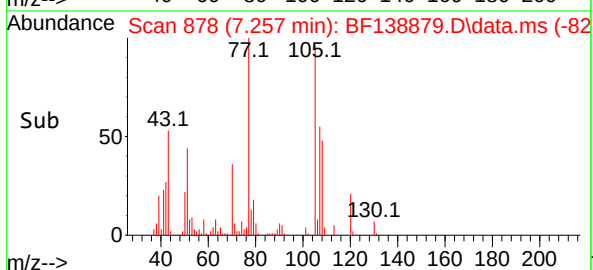
Ion Ratio Lower Upper

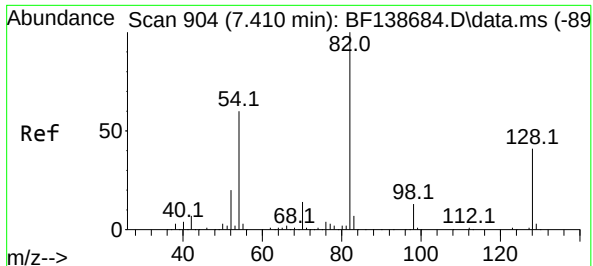
105 100

71 6.2 7.2 10.8#

51 45.5 35.9 53.9

120 22.1 17.6 26.4





#23

Nitrobenzene-d5

Concen: 81.125 ng

RT: 7.416 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 44020

Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

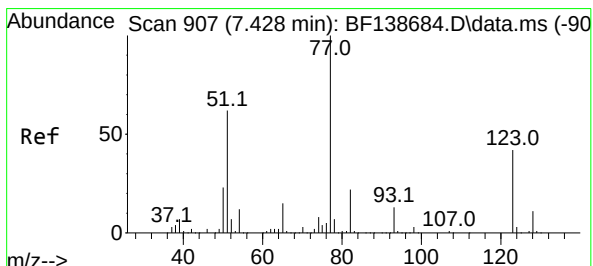
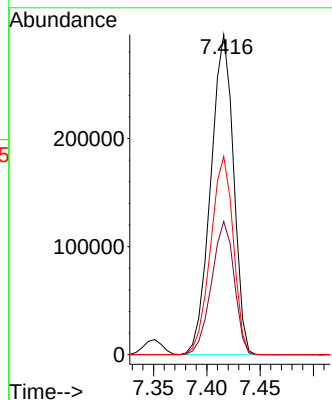
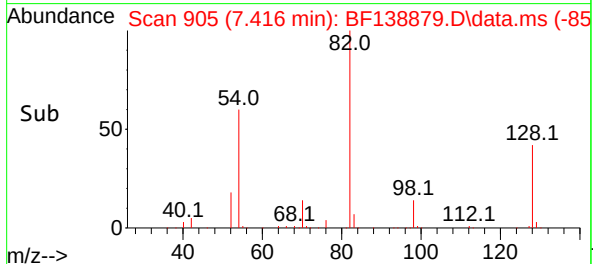
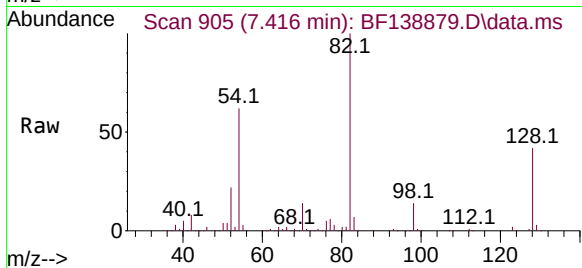
54 61.9 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#24

Nitrobenzene

Concen: 40.226 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

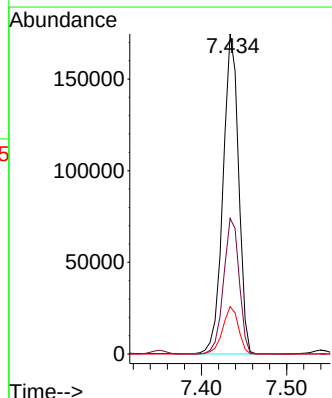
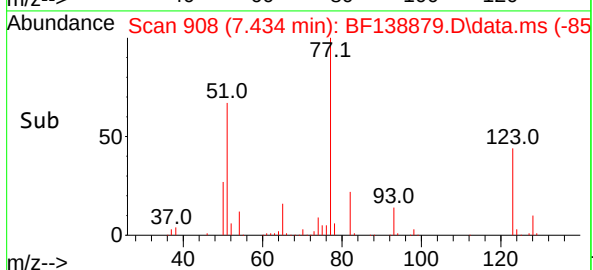
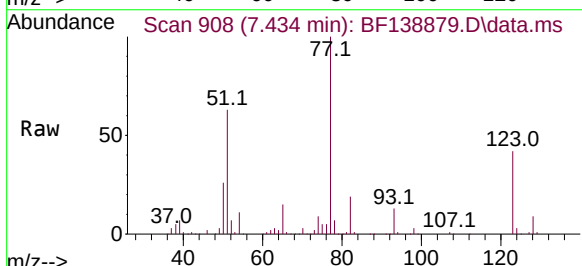
Tgt Ion: 77 Resp: 222112

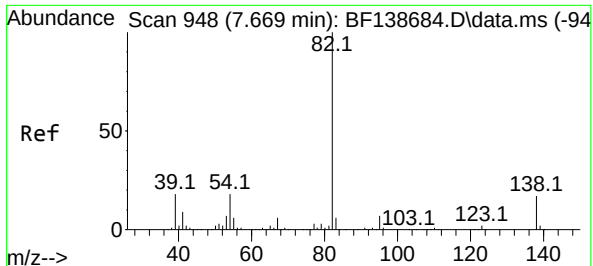
Ion Ratio Lower Upper

77 100

123 42.3 33.3 49.9

65 14.8 11.9 17.9





#25

Isophorone

Concen: 39.454 ng

RT: 7.669 min Scan# 948

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 36556

Ion Ratio Lower Upper

82 100

95 8.2 5.7 8.5

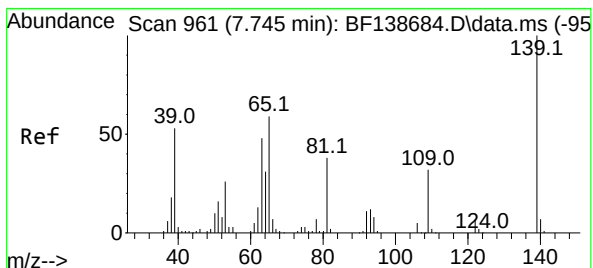
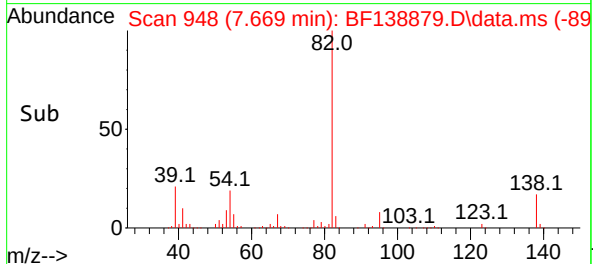
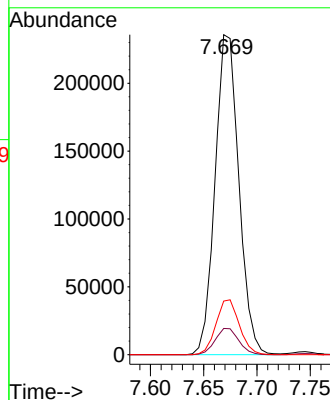
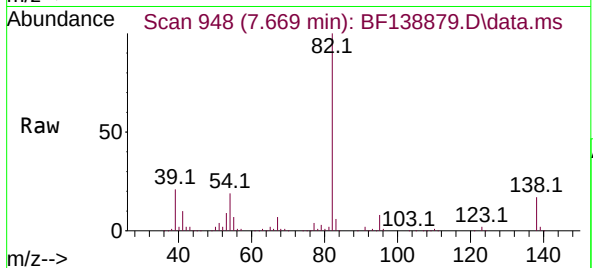
138 16.8 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#26

2-Nitrophenol

Concen: 41.211 ng

RT: 7.745 min Scan# 961

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

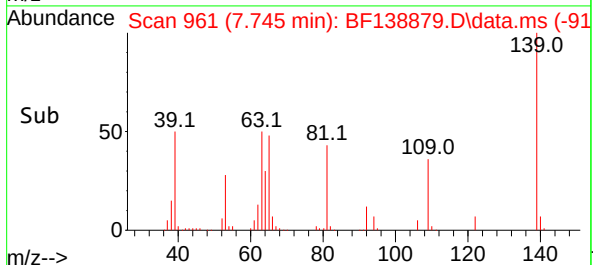
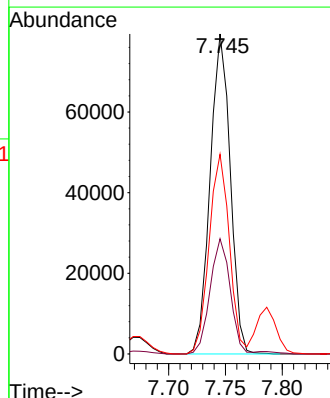
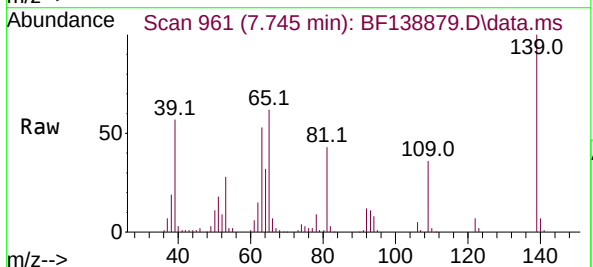
Tgt Ion:139 Resp: 97900

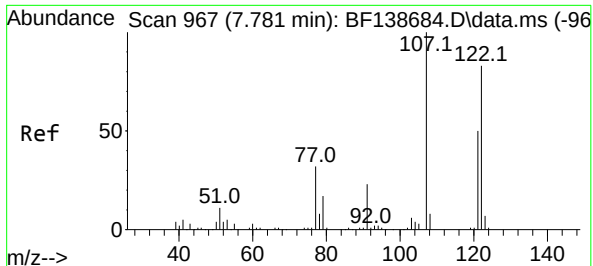
Ion Ratio Lower Upper

139 100

109 36.0 25.9 38.9

65 62.4 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 39.127 ng

RT: 7.786 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138879.D

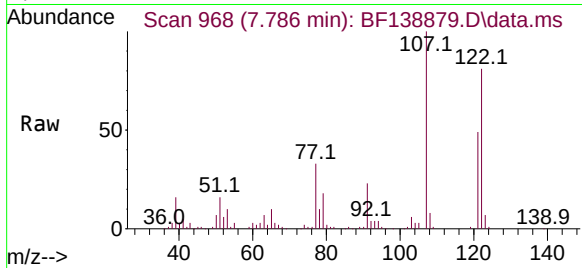
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



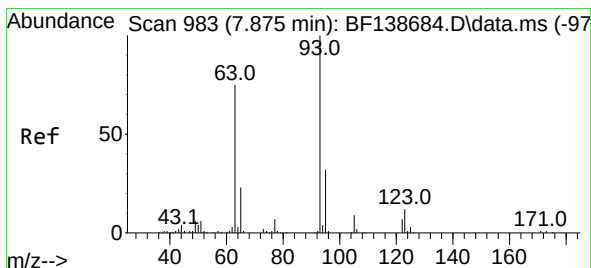
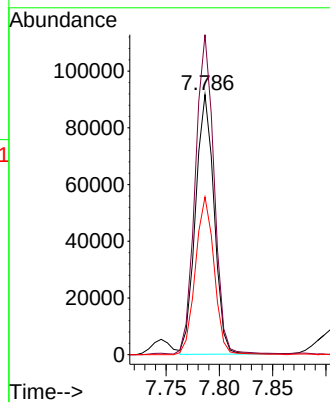
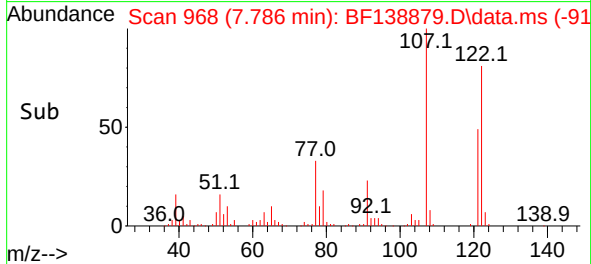
Tgt Ion:	122	Resp:	111210
Ion	Ratio	Lower	Upper
122	100		
107	123.0	95.0	142.6
121	60.6	47.3	70.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#28

bis(2-Chloroethoxy)methane

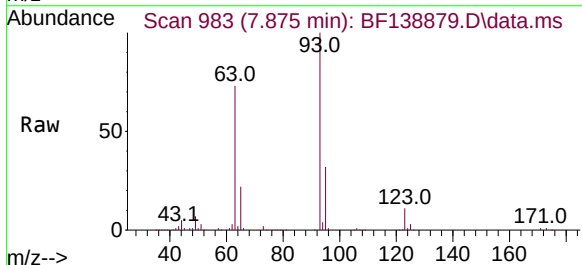
Concen: 38.796 ng

RT: 7.875 min Scan# 983

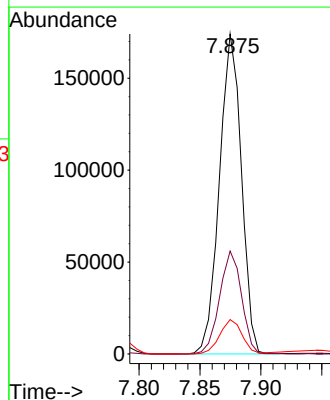
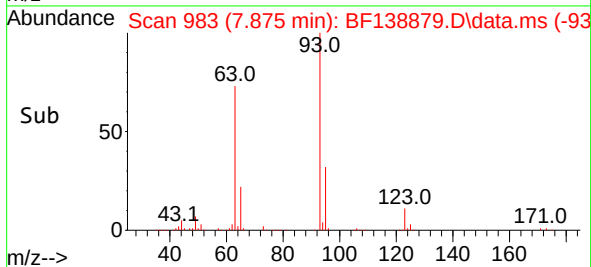
Delta R.T. -0.000 min

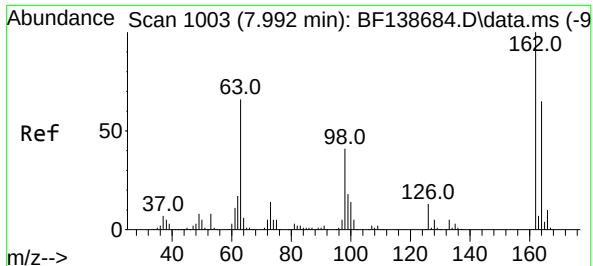
Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



Tgt Ion:	93	Resp:	218905
Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.8	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 41.240 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 15062

Ion Ratio Lower Upper

162 100

164 64.4 44.7 84.7

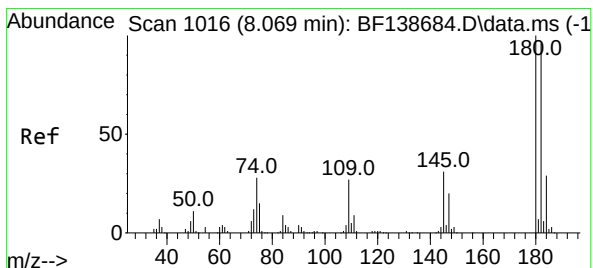
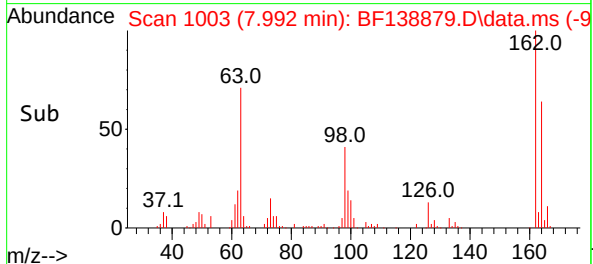
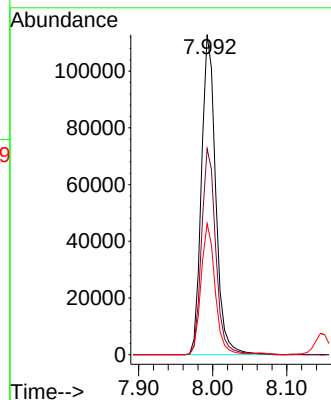
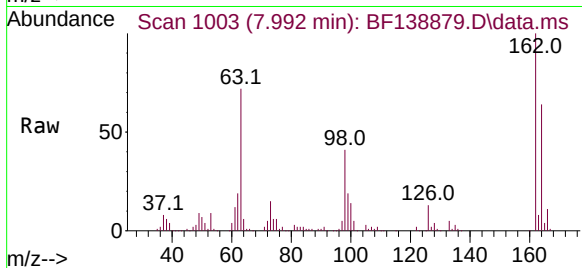
98 41.0 20.8 60.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.076 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

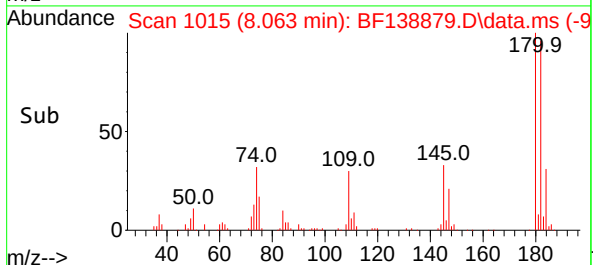
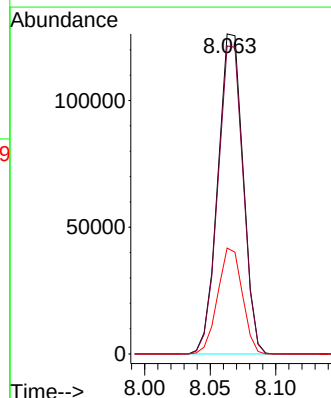
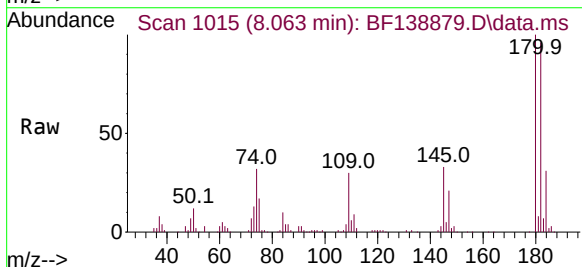
Tgt Ion:180 Resp: 168914

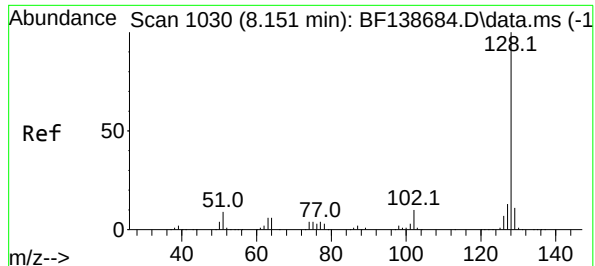
Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

145 33.1 25.0 37.4





#31

Naphthalene

Concen: 39.667 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 553920

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

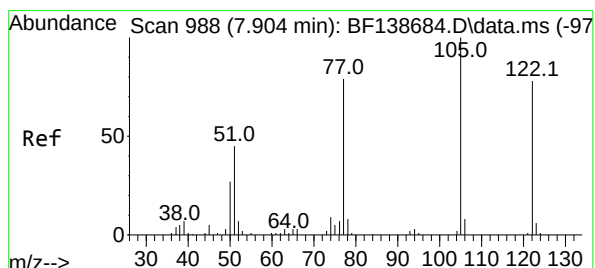
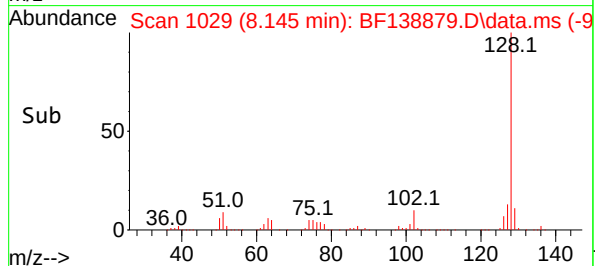
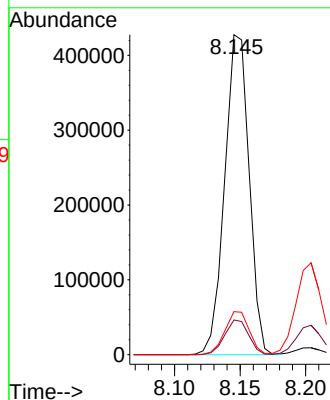
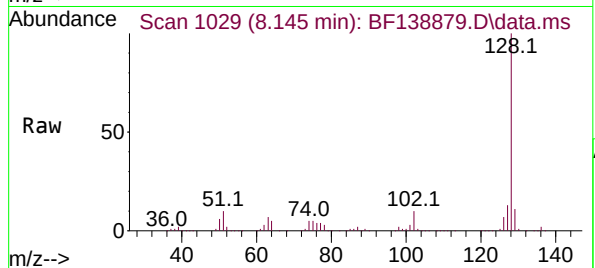
127 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#32

Benzoic acid

Concen: 35.363 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.041 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

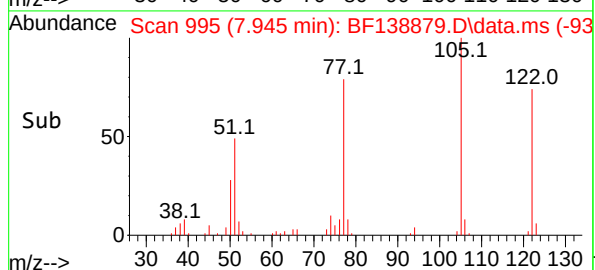
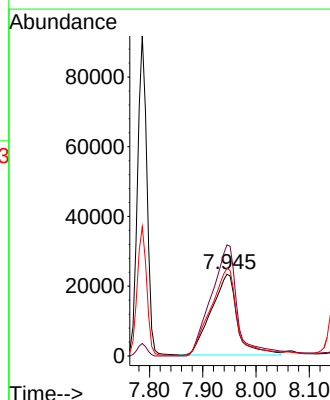
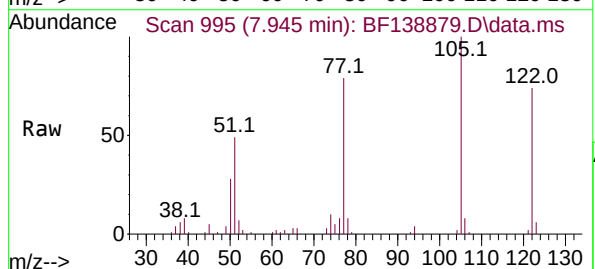
Tgt Ion:122 Resp: 79011

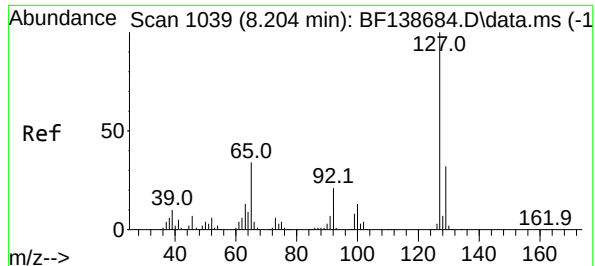
Ion Ratio Lower Upper

122 100

105 135.9 106.7 146.7

77 107.2 81.1 121.1





#33
4-Chloroaniline
Concen: 37.080 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

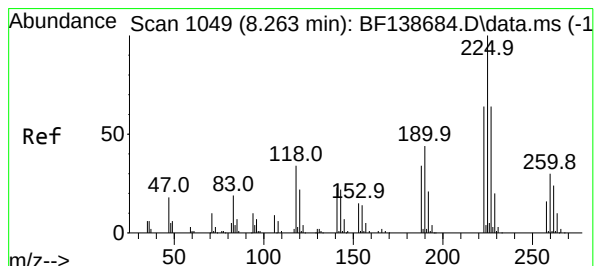
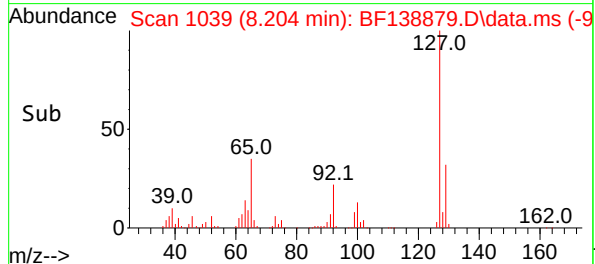
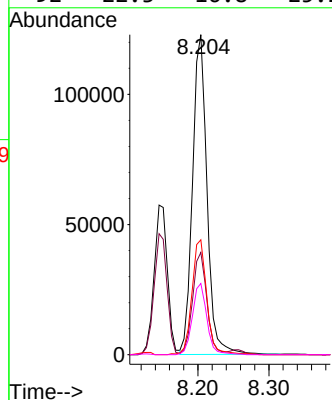
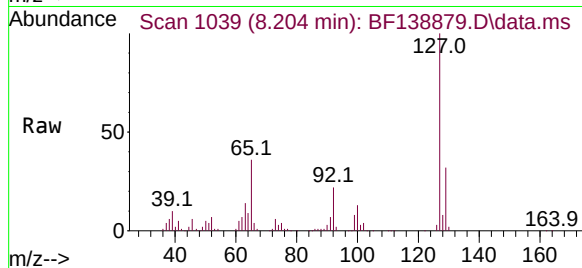
SSTDCCC040

Tgt Ion:127 Resp: 17381
Ion Ratio Lower Upper
127 100
129 31.9 25.9 38.9
65 35.9 27.6 41.4
92 22.3 16.8 25.2

Manual Integrations

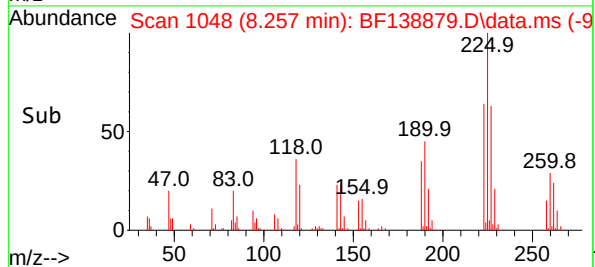
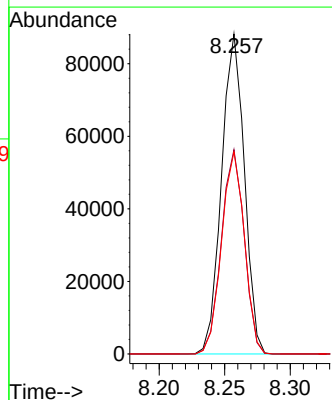
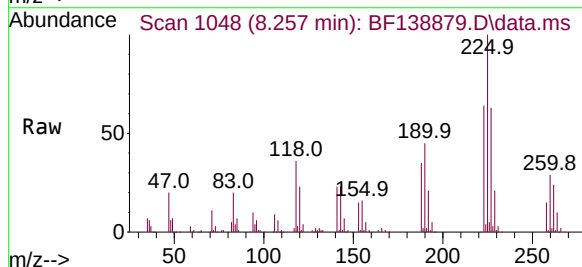
APPROVED

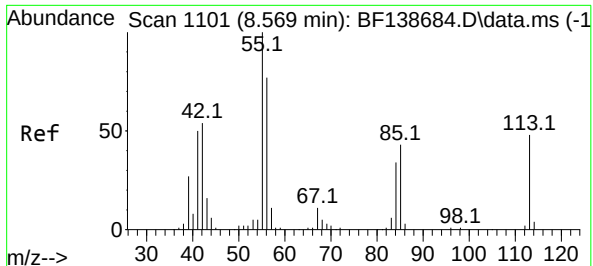
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#34
Hexachlorobutadiene
Concen: 41.748 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:225 Resp: 106581
Ion Ratio Lower Upper
225 100
223 63.9 51.2 76.8
227 63.2 51.1 76.7





#35

Caprolactam

Concen: 42.020 ng m

RT: 8.598 min Scan# 1101

Delta R.T. 0.029 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 45794

Ion Ratio Lower Upper

113 100

55 201.3 186.7 226.7

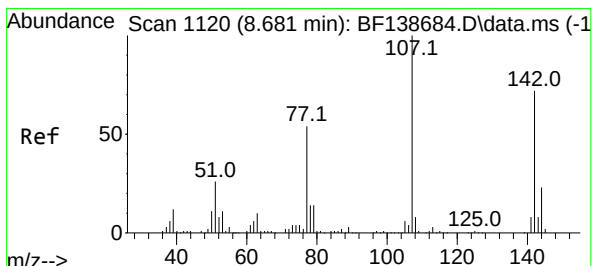
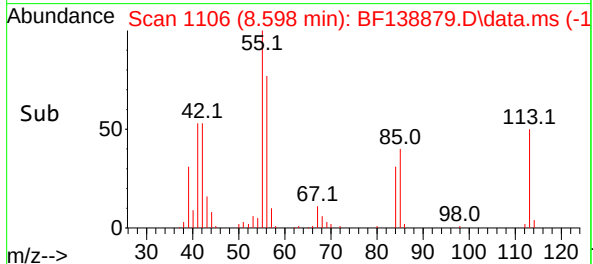
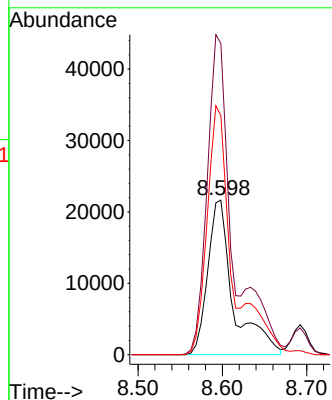
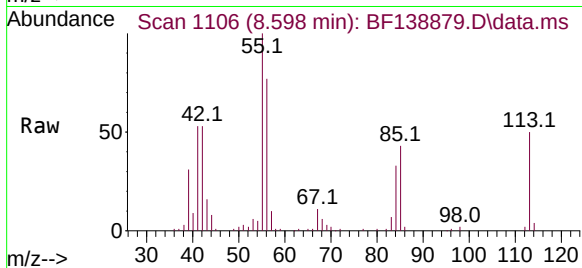
56 154.6 138.9 178.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#36

4-Chloro-3-methylphenol

Concen: 41.980 ng

RT: 8.692 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

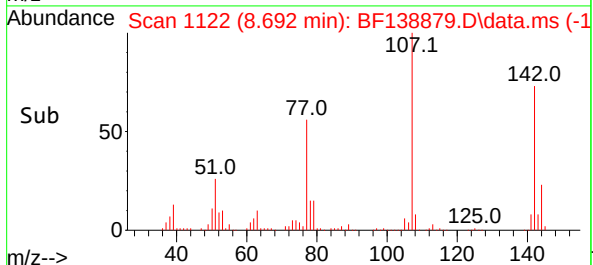
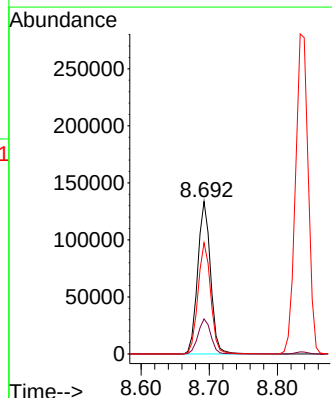
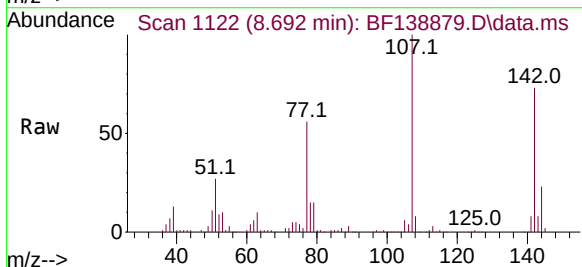
Tgt Ion:107 Resp: 175226

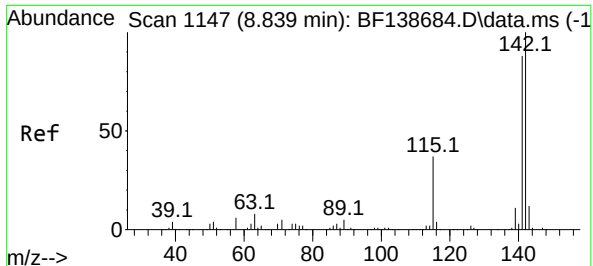
Ion Ratio Lower Upper

107 100

144 23.0 18.2 27.2

142 72.9 57.4 86.2





#37
2-Methylnaphthalene
Concen: 41.211 ng
RT: 8.833 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

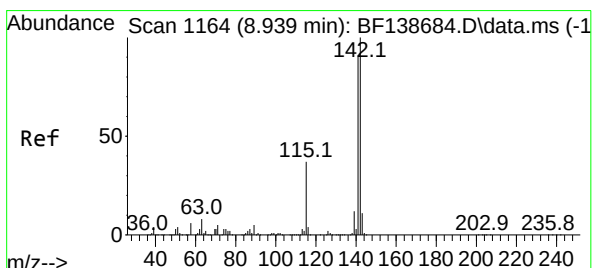
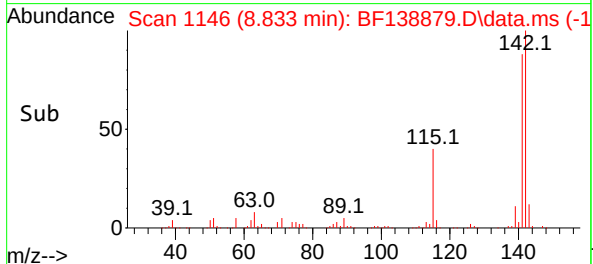
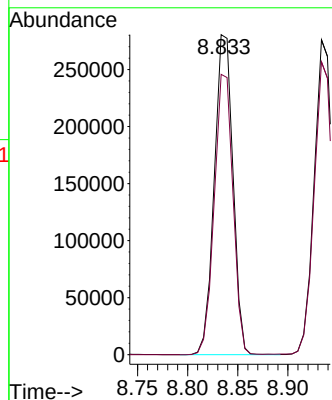
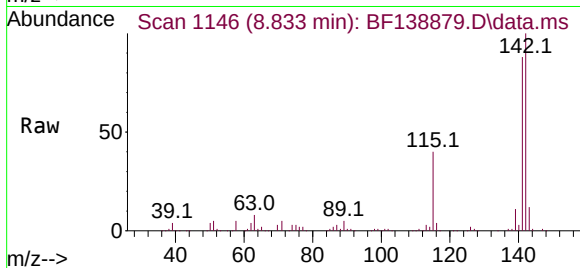
SSTDCCC040

Tgt Ion:142 Resp: 363449
Ion Ratio Lower Upper
142 100
141 87.6 70.8 106.2

Manual Integrations

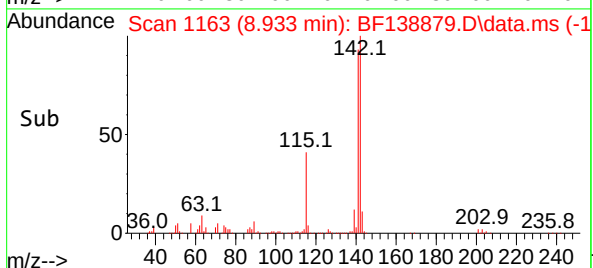
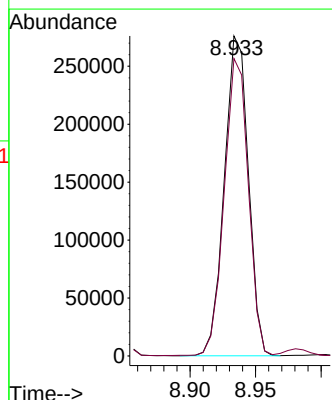
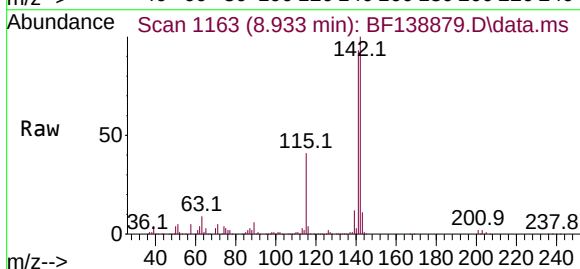
APPROVED

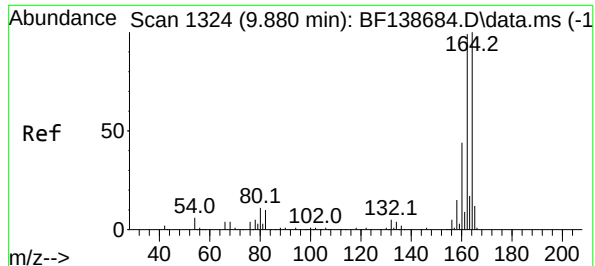
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#38
1-Methylnaphthalene
Concen: 40.707 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:142 Resp: 351793
Ion Ratio Lower Upper
142 100
141 93.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138879.D

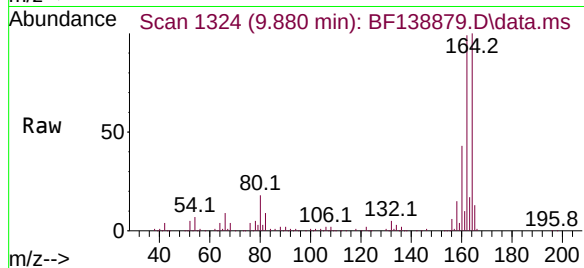
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 151080

Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.0

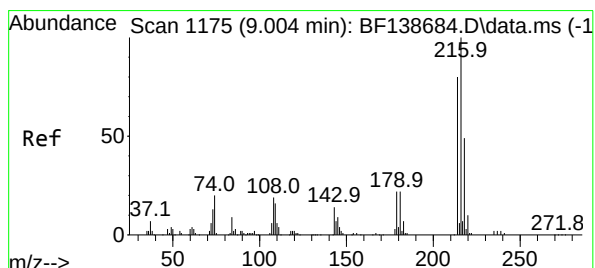
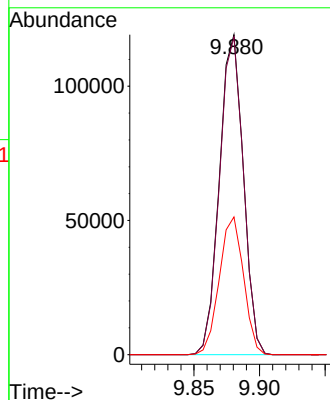
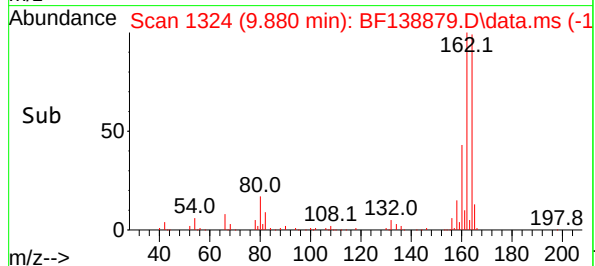
160 43.1 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#40

1,2,4,5-Tetrachlorobenzene

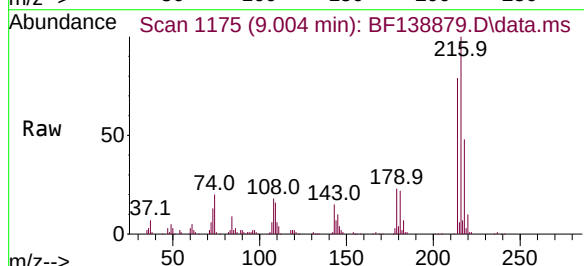
Concen: 40.151 ng

RT: 9.004 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



Tgt Ion:216 Resp: 168508

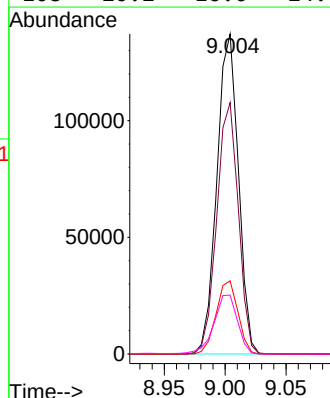
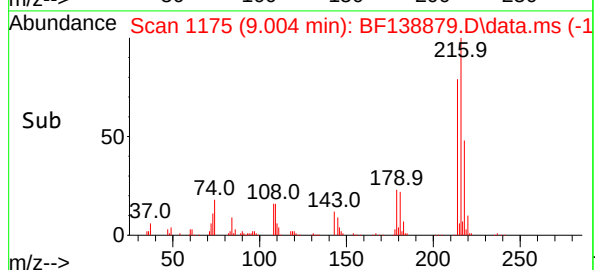
Ion Ratio Lower Upper

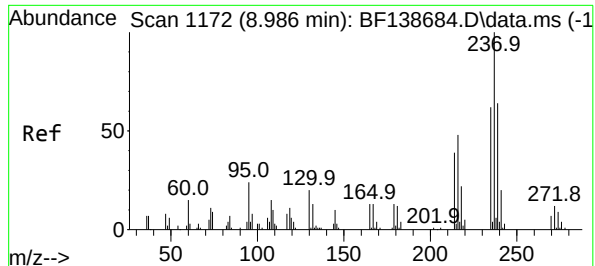
216 100

214 78.6 63.9 95.9

179 23.2 17.8 26.6

108 20.2 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 48.979 ng

RT: 8.980 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

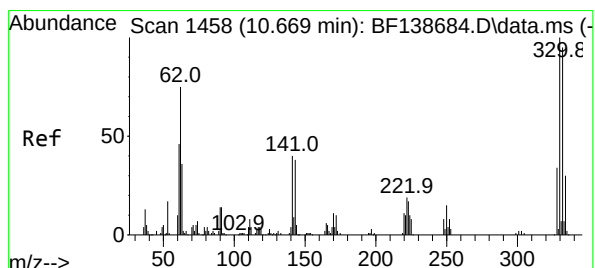
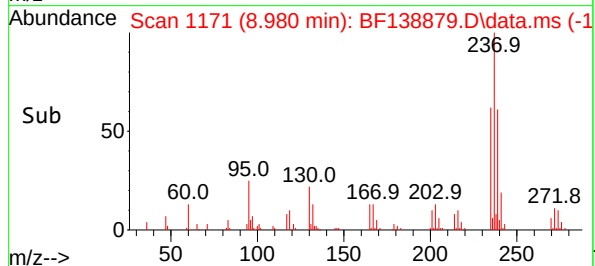
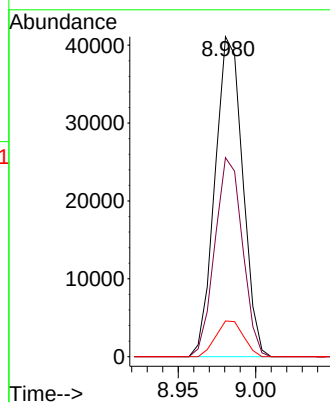
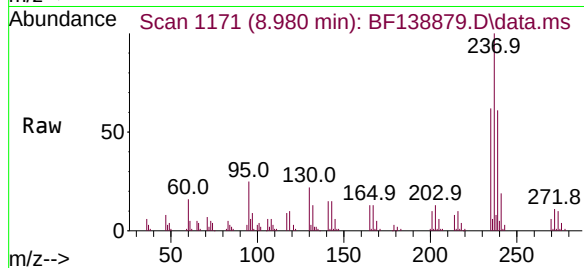
SSTDCCC040

Tgt Ion:	237	Resp:	5112
Ion Ratio	Lower	Upper	
237	100		
235	62.2	41.8	81.8
272	11.1	0.0	32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#42

2,4,6-Tribromophenol

Concen: 85.652 ng

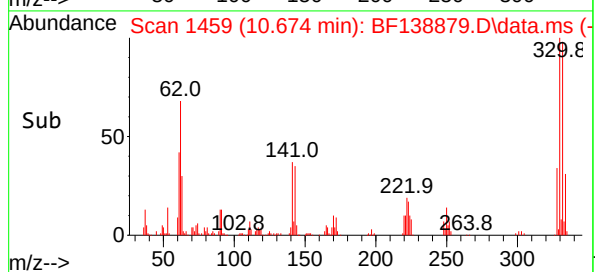
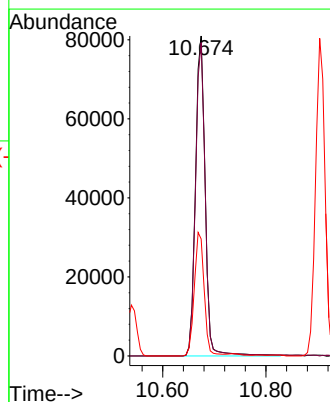
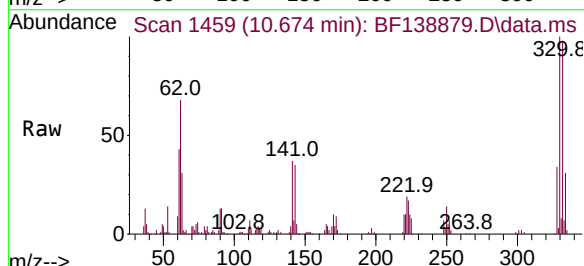
RT: 10.674 min Scan# 1459

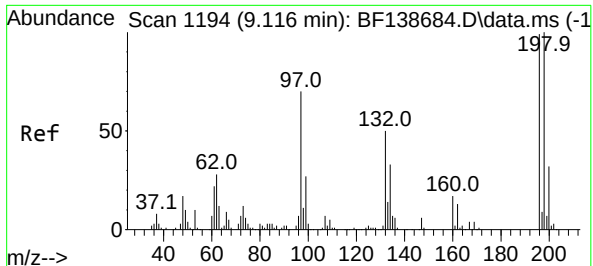
Delta R.T. 0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

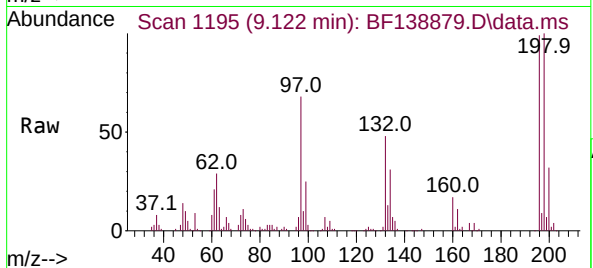
Tgt Ion:	330	Resp:	105999
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.4	114.6
141	39.3	31.1	46.7





#43
2,4,6-Trichlorophenol
Concen: 39.044 ng
RT: 9.122 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

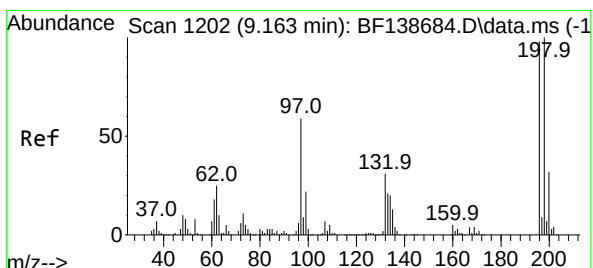
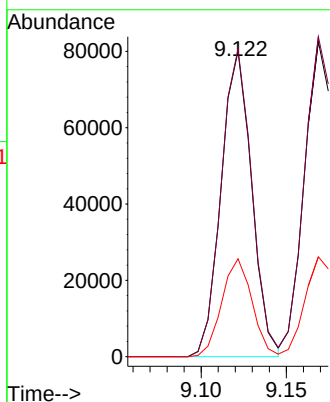
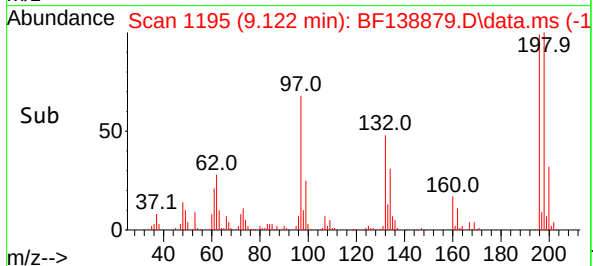
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



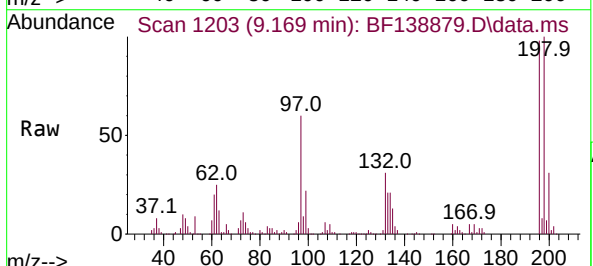
Tgt Ion:196 Resp: 99909
Ion Ratio Lower Upper
196 100
198 100.8 80.5 120.7
200 32.1 25.9 38.9

Manual Integrations
APPROVED

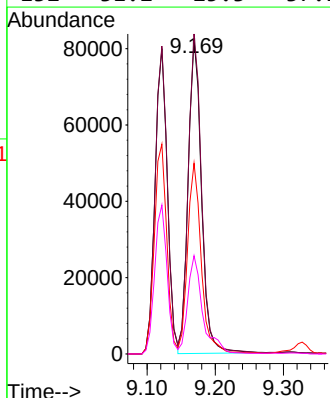
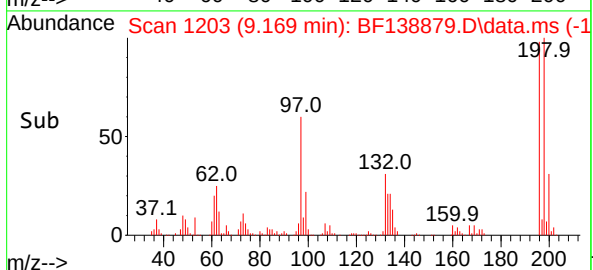
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

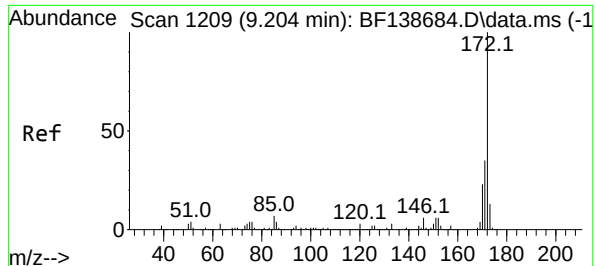


#44
2,4,5-Trichlorophenol
Concen: 39.672 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



Tgt Ion:196 Resp: 110978
Ion Ratio Lower Upper
196 100
198 101.5 81.2 121.8
97 60.5 47.8 71.6
132 31.2 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 82.084 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 825374

Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

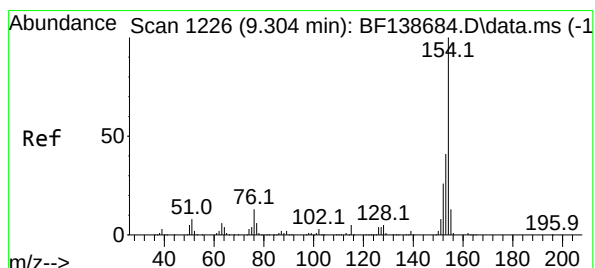
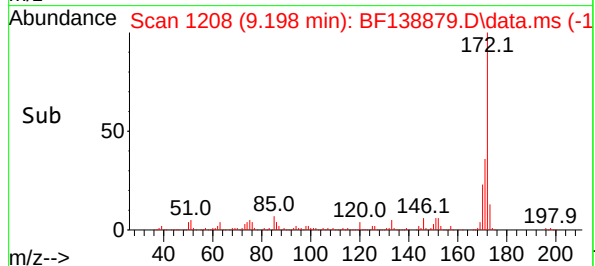
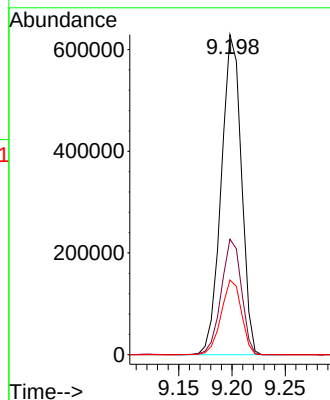
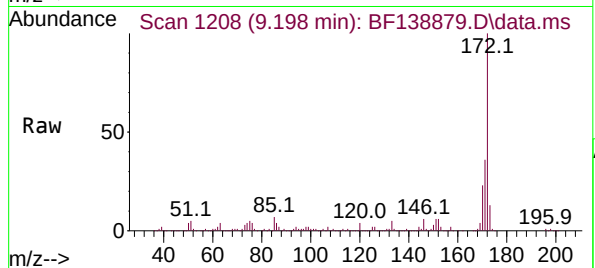
170 23.4 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#46

1,1'-Biphenyl

Concen: 39.023 ng

RT: 9.304 min Scan# 1226

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

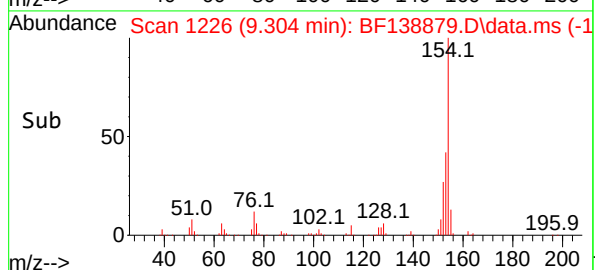
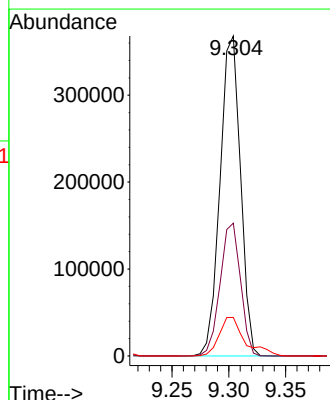
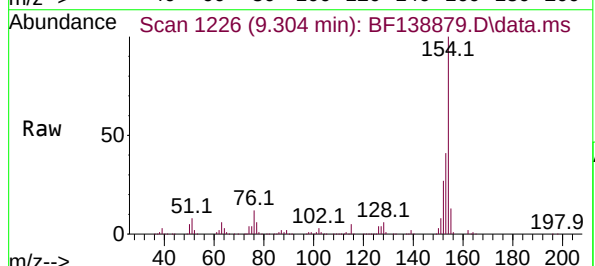
Tgt Ion:154 Resp: 461730

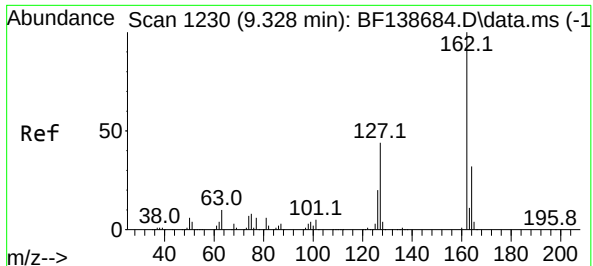
Ion Ratio Lower Upper

154 100

153 41.5 20.8 60.8

76 12.0 0.0 32.8





#47
2-Chloronaphthalene
Concen: 39.064 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

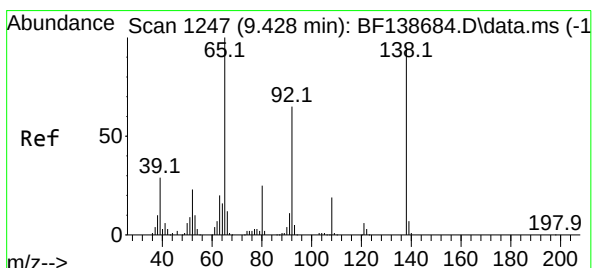
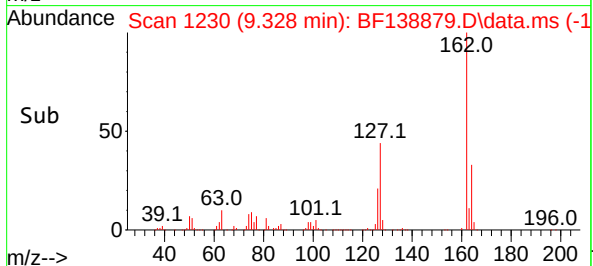
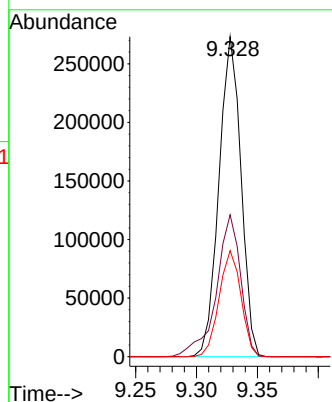
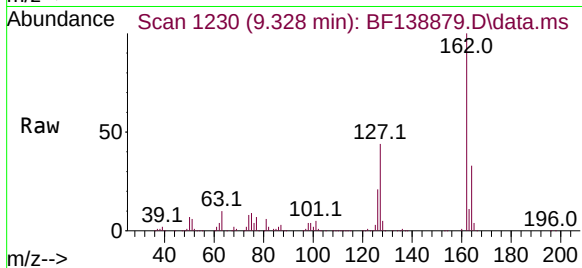
ClientSampleId :

SSTDCCC040

Tgt Ion: 162 Resp: 343772
Ion Ratio Lower Upper
162 100
127 44.4 35.4 53.2
164 33.1 25.6 38.4

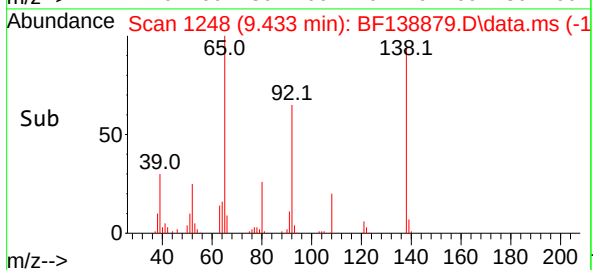
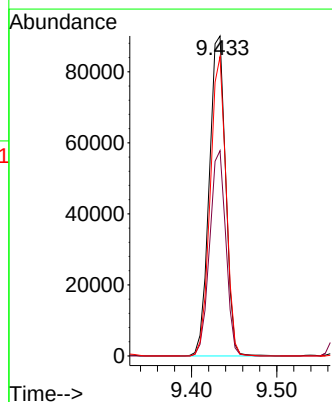
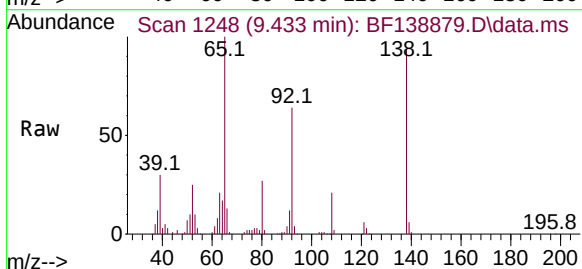
Manual Integrations
APPROVED

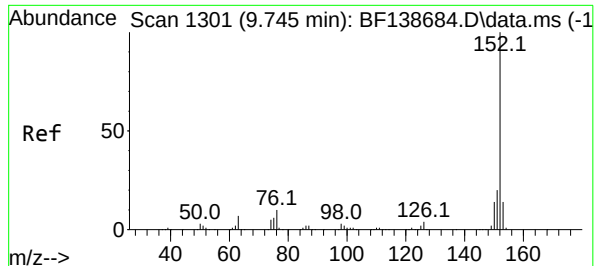
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#48
2-Nitroaniline
Concen: 40.306 ng
RT: 9.433 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 65 Resp: 120246
Ion Ratio Lower Upper
65 100
92 64.2 52.0 78.0
138 93.6 76.2 114.4





#49

Acenaphthylene

Concen: 39.295 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 49045

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

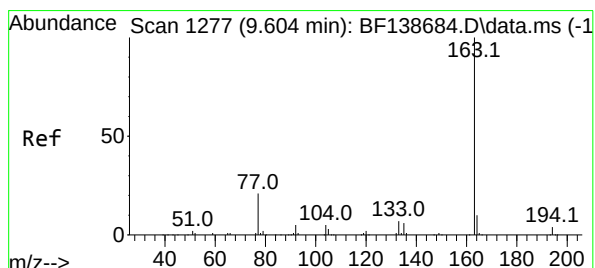
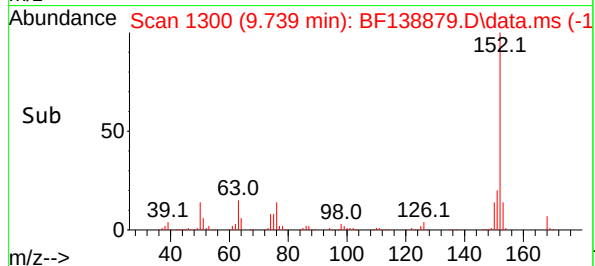
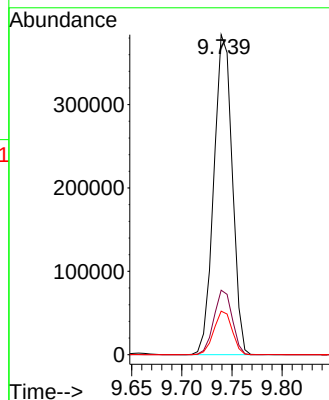
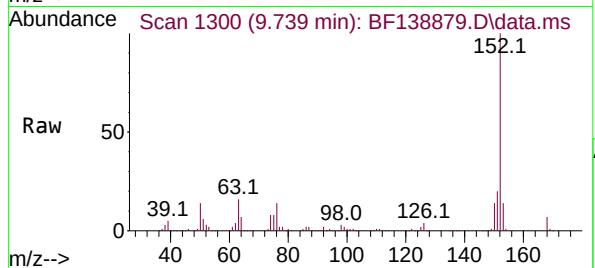
153 13.6 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#50

Dimethylphthalate

Concen: 41.104 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

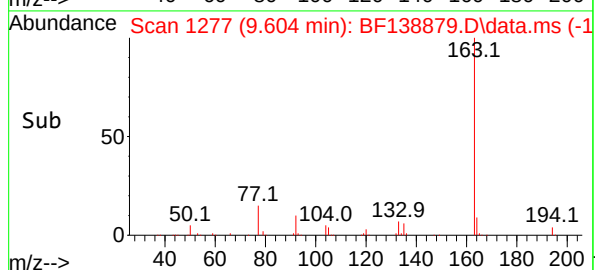
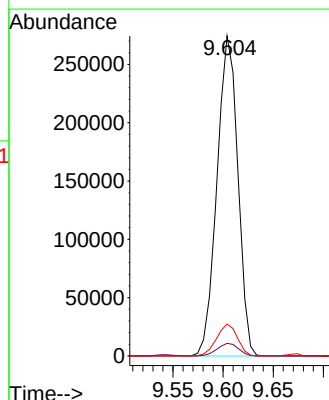
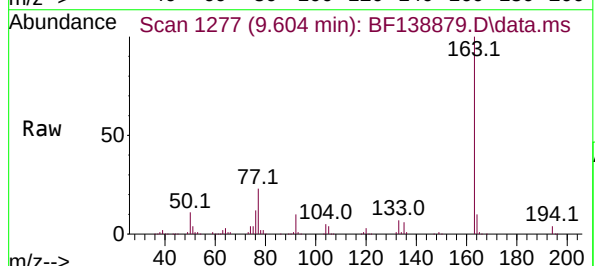
Tgt Ion:163 Resp: 397073

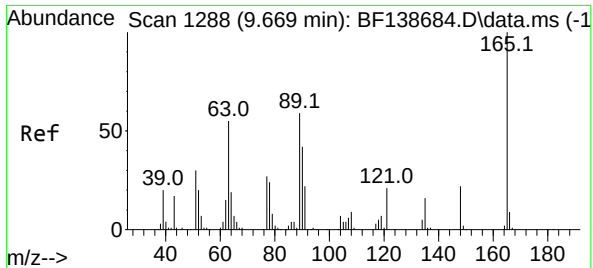
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.9 7.8 11.8





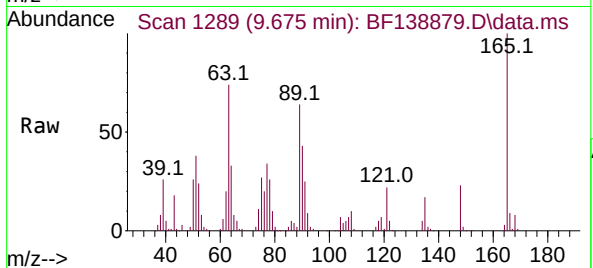
#51
2,6-Dinitrotoluene
Concen: 41.164 ng
RT: 9.675 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

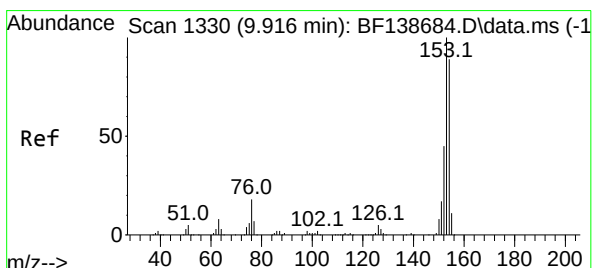
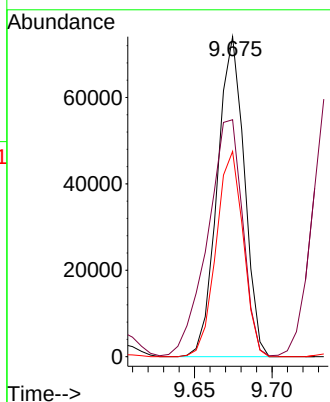
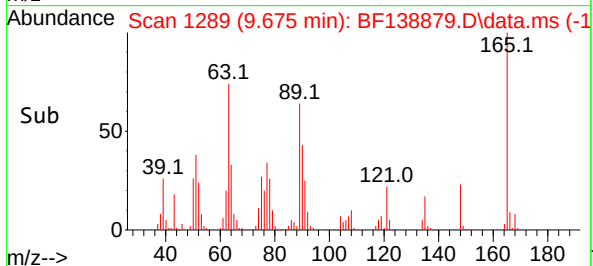


Tgt Ion:165 Resp: 89744
Ion Ratio Lower Upper
165 100
63 74.1 52.0 78.0
89 64.2 47.0 70.6

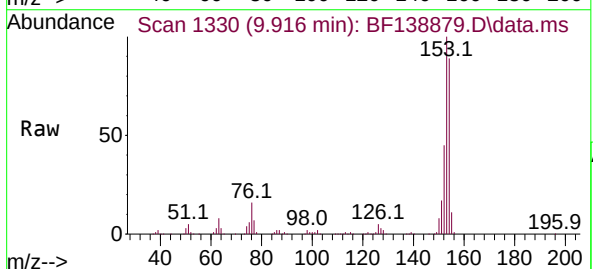
Manual Integrations

APPROVED

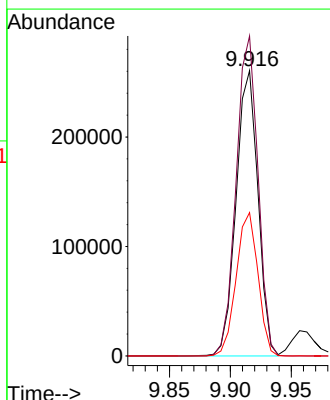
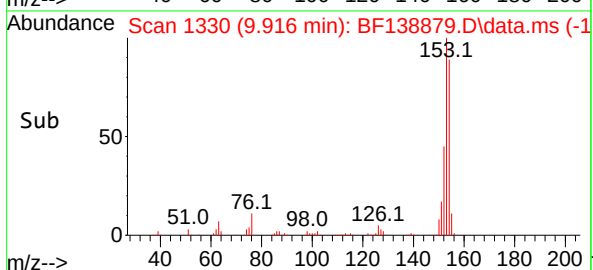
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

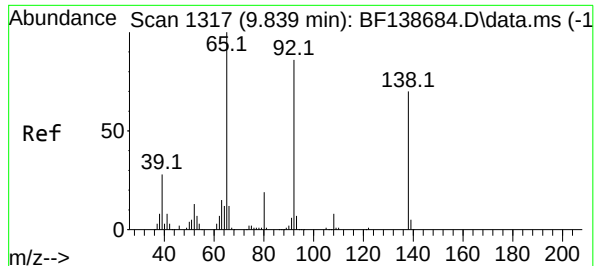


#52
Acenaphthene
Concen: 38.933 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



Tgt Ion:154 Resp: 326651
Ion Ratio Lower Upper
154 100
153 112.2 89.9 134.9
152 50.3 40.6 60.8





#53
3-Nitroaniline
Concen: 39.833 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

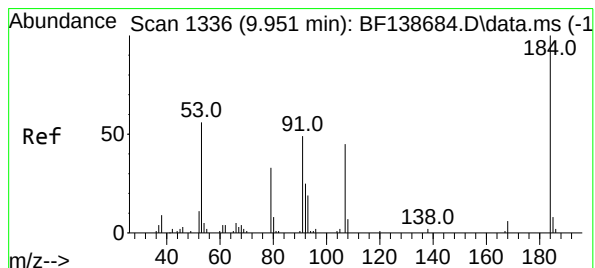
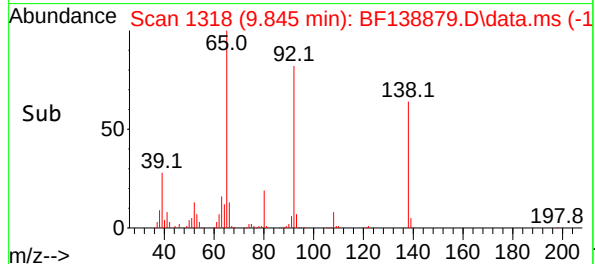
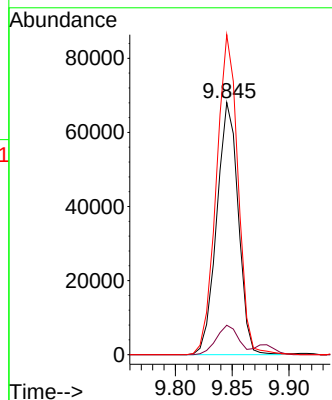
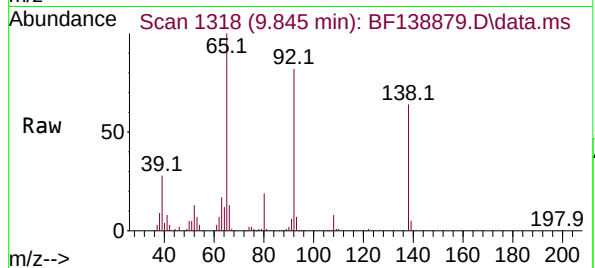
SSTDCCC040

Tgt Ion:138 Resp: 89775
Ion Ratio Lower Upper
138 100
108 11.7 9.1 13.7
92 126.9 98.7 148.1

Manual Integrations

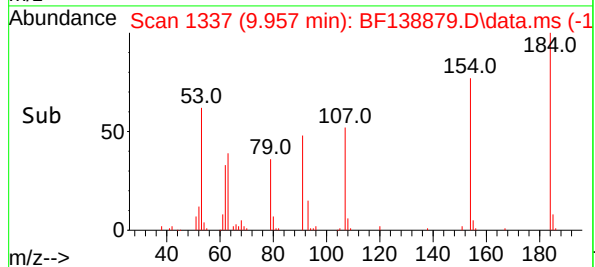
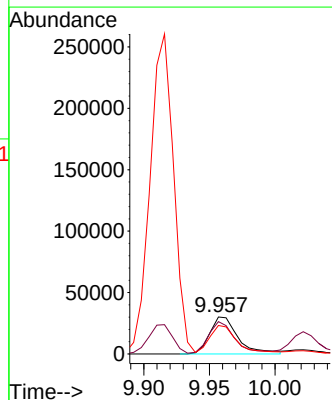
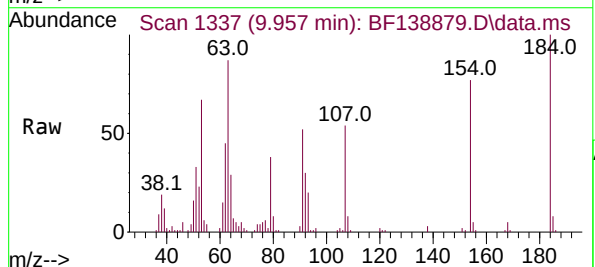
APPROVED

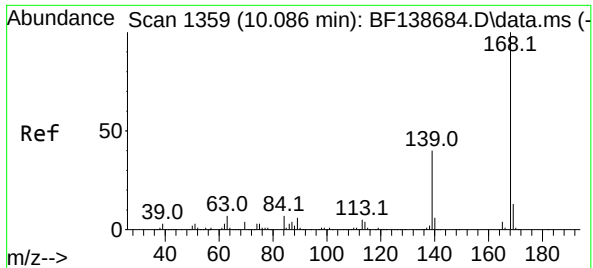
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

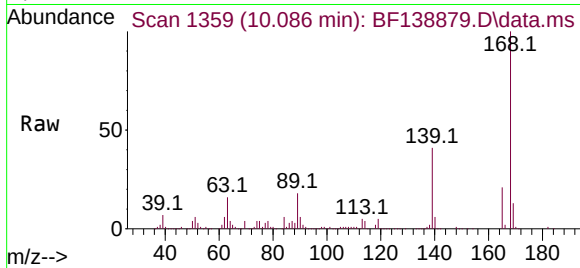
Tgt Ion:184 Resp: 45402
Ion Ratio Lower Upper
184 100
63 87.4 57.5 86.3#
154 77.0 51.7 77.5





#55
Dibenzofuran
Concen: 40.270 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

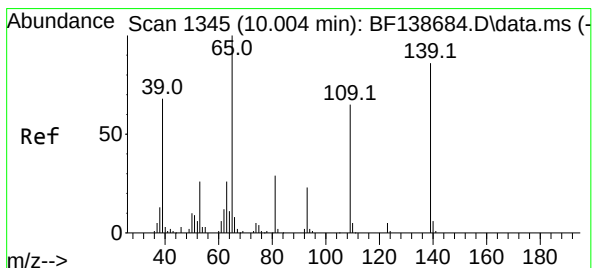
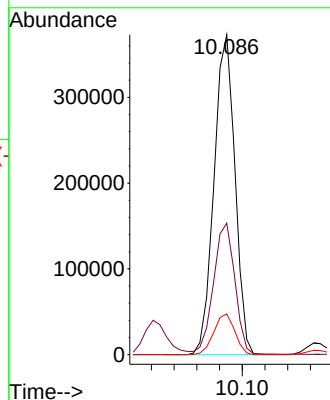
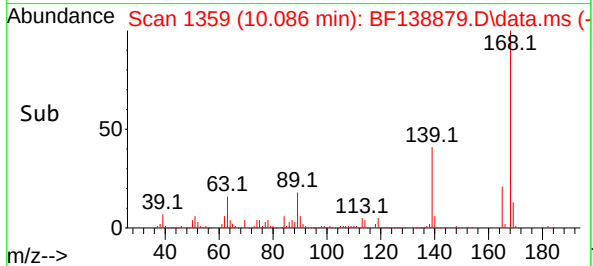
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 476930
Ion Ratio Lower Upper
168 100
139 41.1 32.6 49.0
169 12.7 10.7 16.1

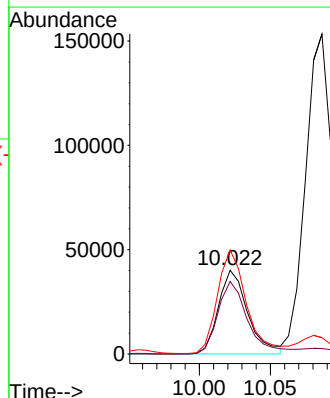
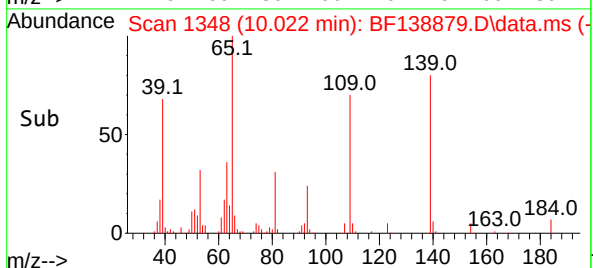
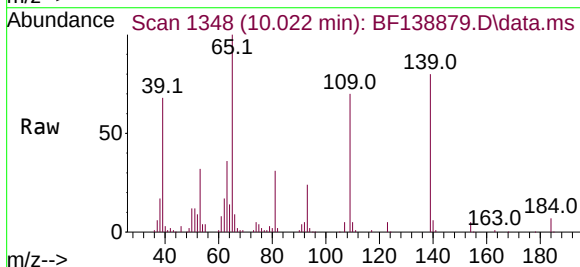
Manual Integrations
APPROVED

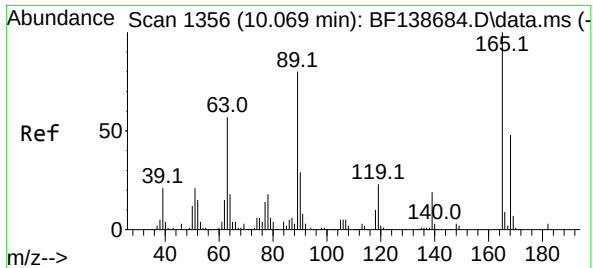
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#56
4-Nitrophenol
Concen: 42.666 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

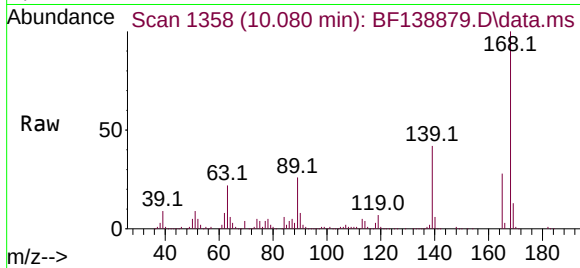
Tgt Ion:139 Resp: 57826
Ion Ratio Lower Upper
139 100
109 86.6 55.5 95.5
65 124.3 96.7 136.7





#57
2,4-Dinitrotoluene
Concen: 43.181 ng
RT: 10.080 min Scan# 1356
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

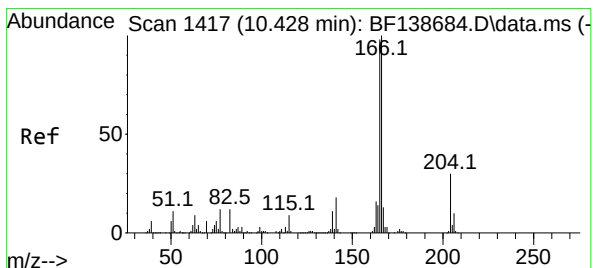
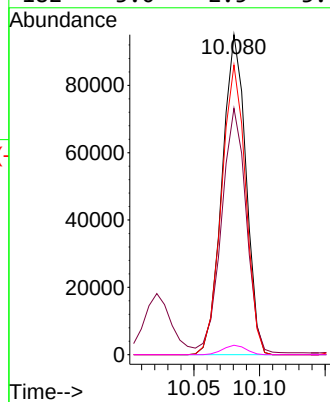
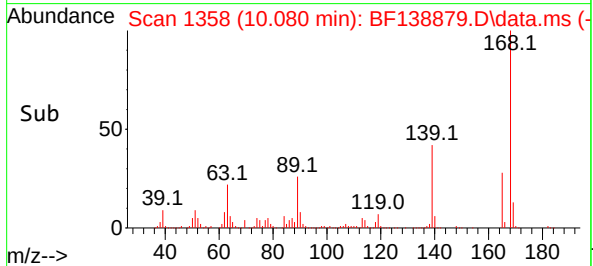
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 120107
Ion Ratio Lower Upper
165 100
63 77.0 46.3 69.5
89 90.5 64.2 96.4
182 3.0 2.5 3.7

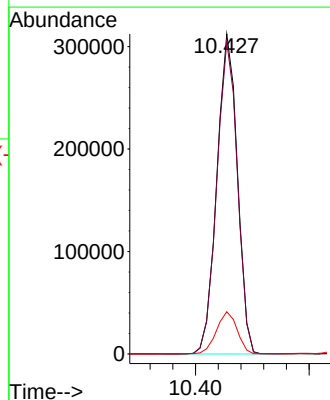
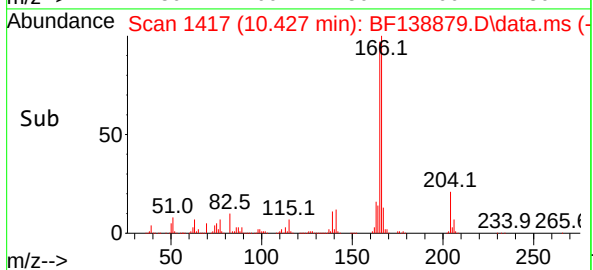
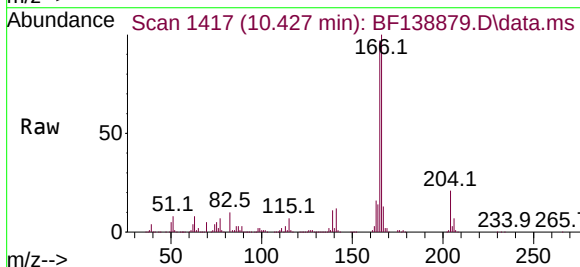
Manual Integrations
APPROVED

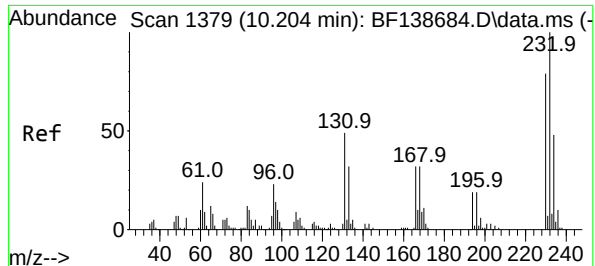
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#58
Fluorene
Concen: 41.585 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

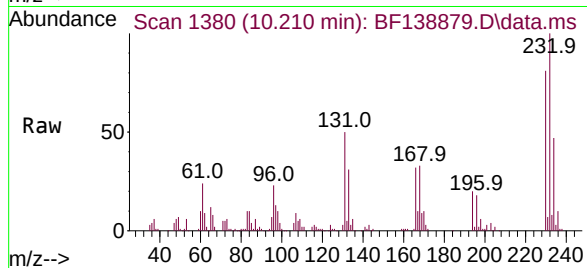
Tgt Ion:166 Resp: 392206
Ion Ratio Lower Upper
166 100
165 97.5 78.4 117.6
167 13.2 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.037 ng m
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

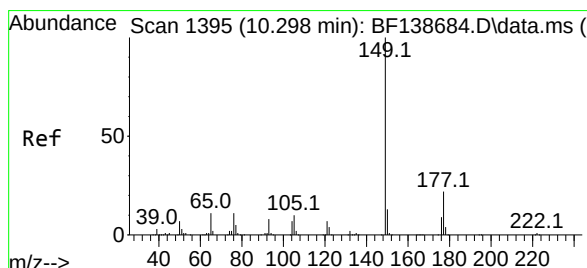
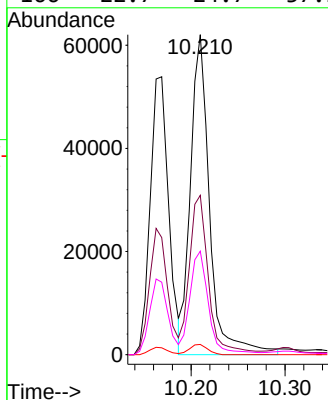
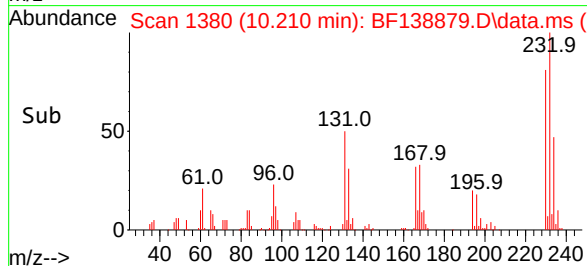
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



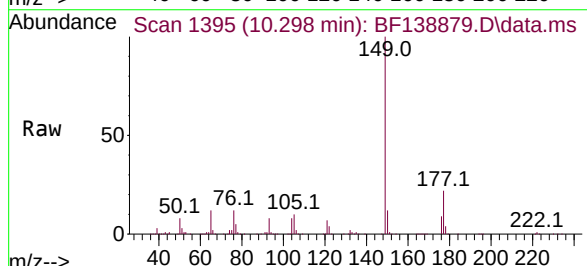
Tgt Ion:232 Resp: 87762
Ion Ratio Lower Upper
232 100
131 37.2 37.0 55.4
130 2.2 2.0 3.0
166 22.7 24.7 37.1#

Manual Integrations
APPROVED

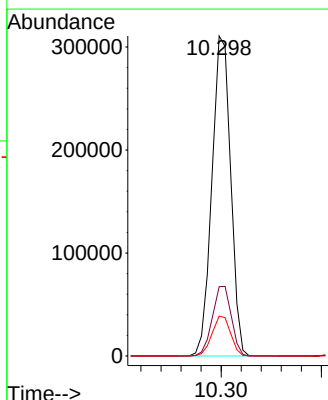
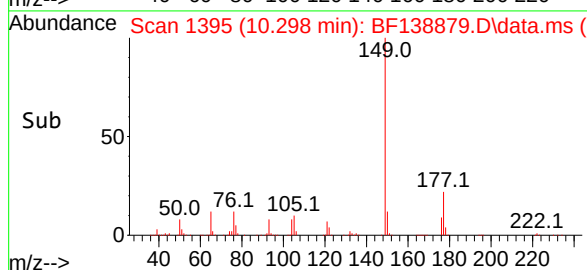
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

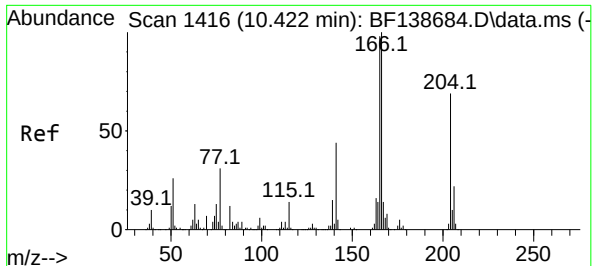


#60
Diethylphthalate
Concen: 43.927 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



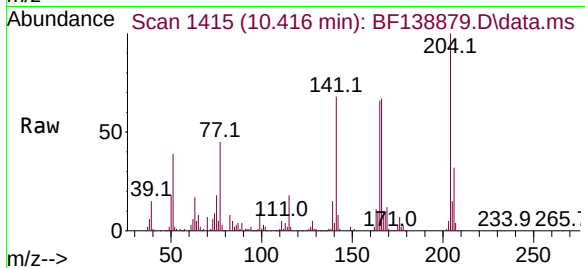
Tgt Ion:149 Resp: 402355
Ion Ratio Lower Upper
149 100
177 21.6 17.8 26.8
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.737 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

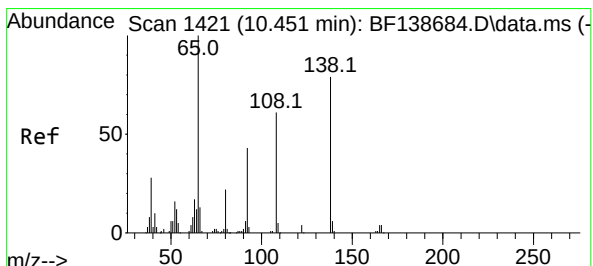
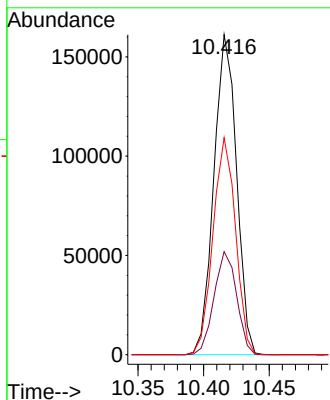
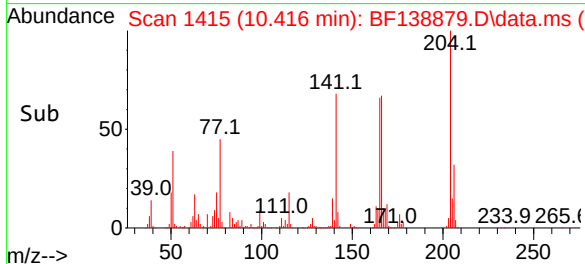
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 193590
Ion Ratio Lower Upper
204 100
206 32.2 26.1 39.1
141 67.8 51.4 77.0

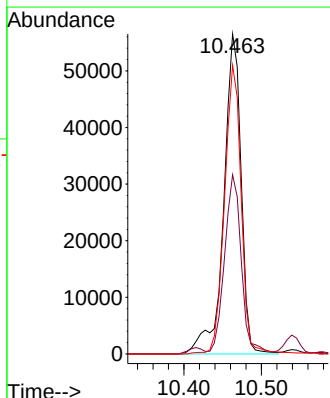
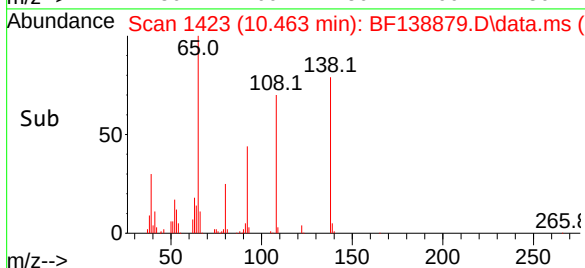
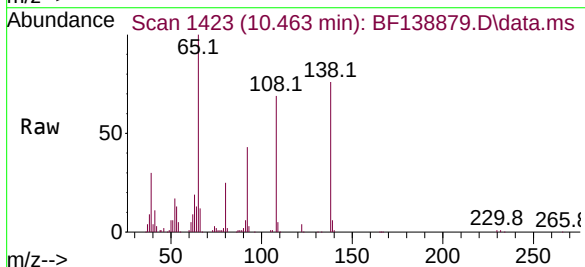
Manual Integrations
APPROVED

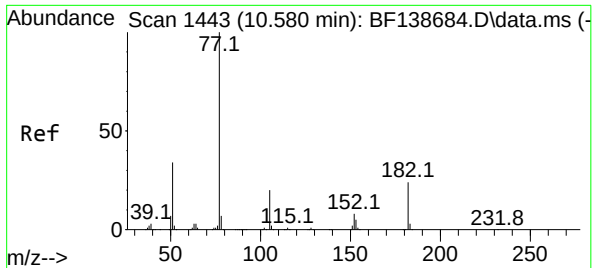
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#62
4-Nitroaniline
Concen: 41.114 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:138 Resp: 88058
Ion Ratio Lower Upper
138 100
92 56.0 34.2 74.2
108 90.2 56.2 96.2





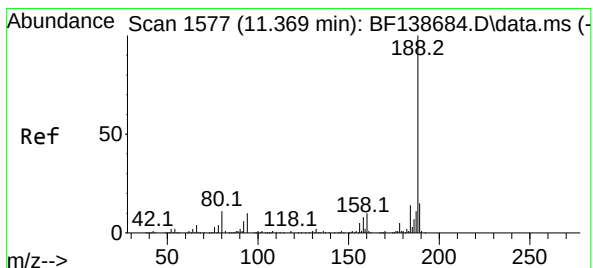
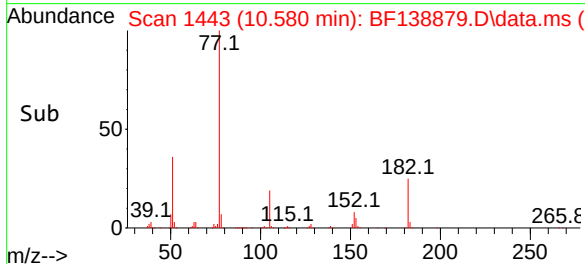
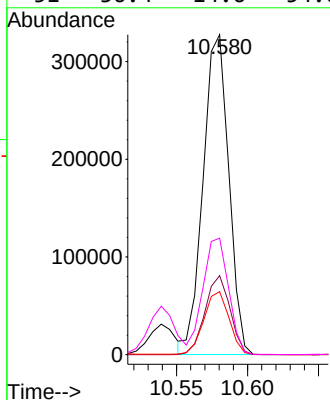
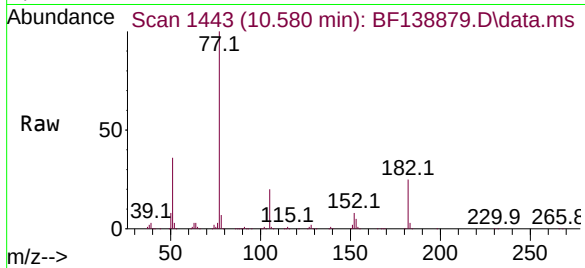
#63
Azobenzene
Concen: 40.571 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 412159
Ion Ratio Lower Upper
77 100
182 24.7 3.4 43.4
105 19.7 0.2 40.2
51 36.4 14.6 54.6

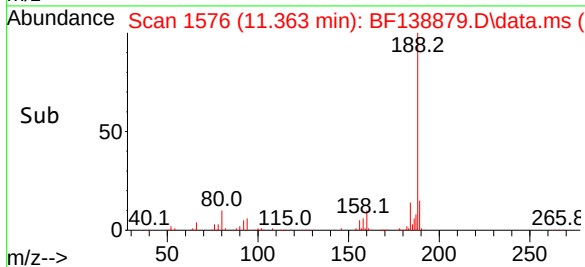
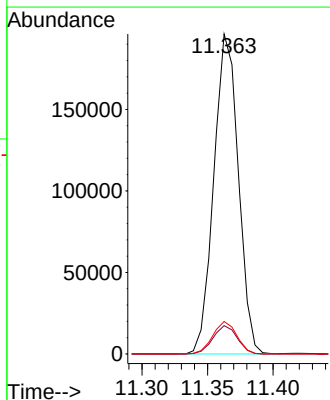
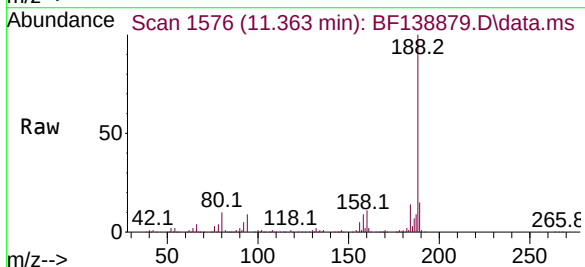
Manual Integrations
APPROVED

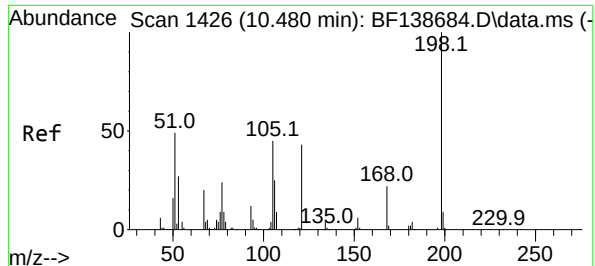
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:188 Resp: 254940
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 10.2 8.6 12.8





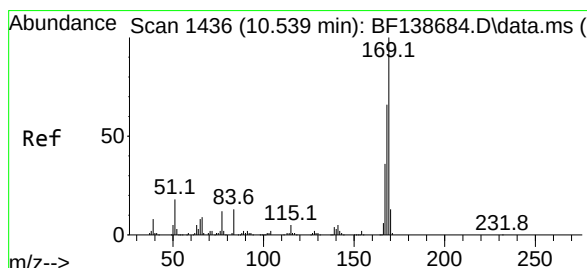
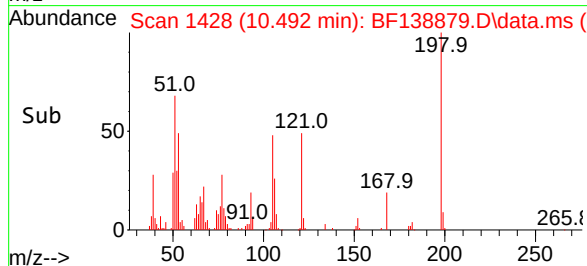
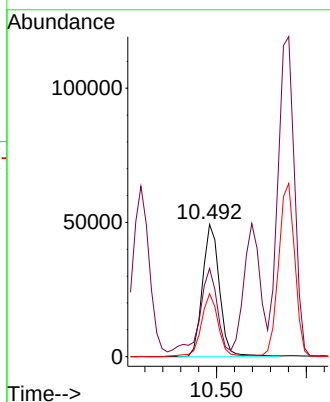
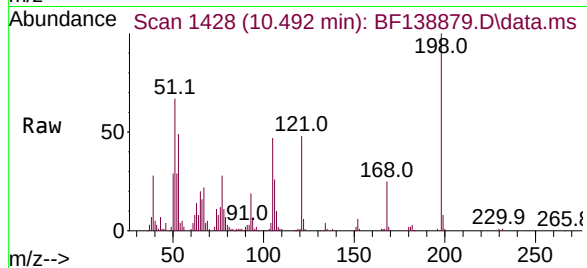
#65
4,6-Dinitro-2-methylphenol
Concen: 41.494 ng
RT: 10.492 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 64538
Ion Ratio Lower Upper
198 100
51 66.7 39.9 79.9
105 47.4 26.1 66.1

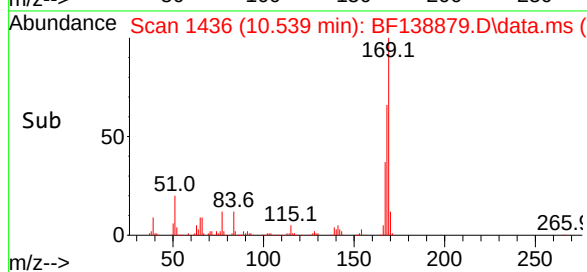
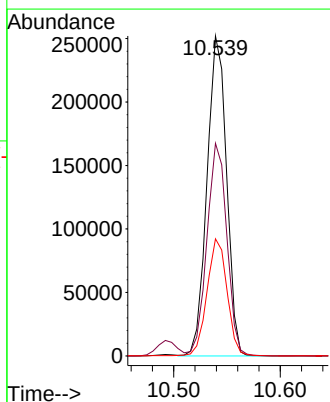
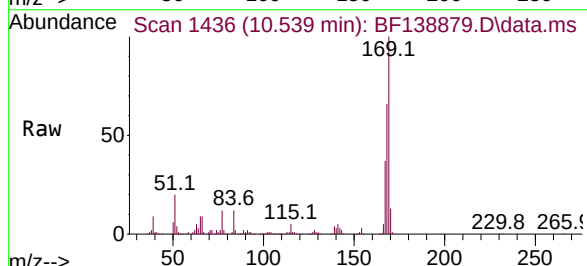
Manual Integrations
APPROVED

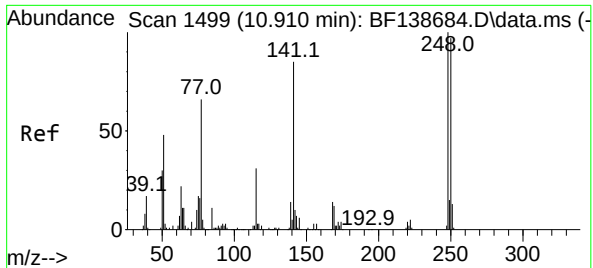
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#66
n-Nitrosodiphenylamine
Concen: 40.327 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

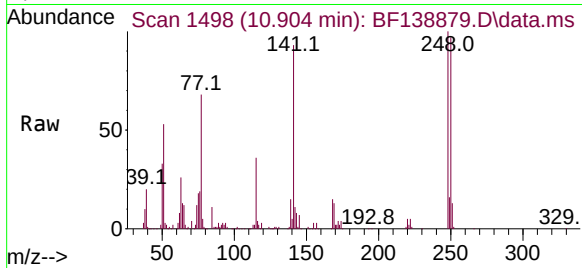
Tgt Ion:169 Resp: 321358
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 36.6 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 40.221 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

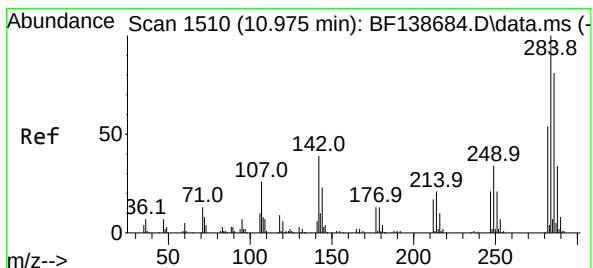
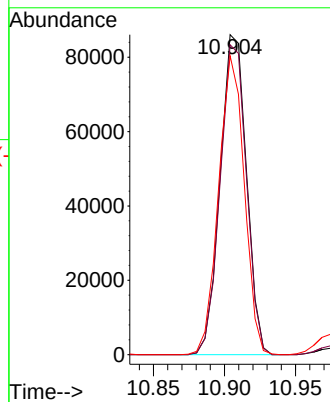
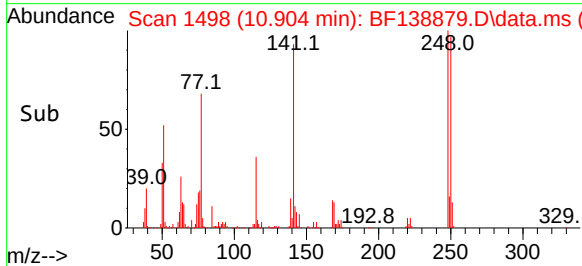
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



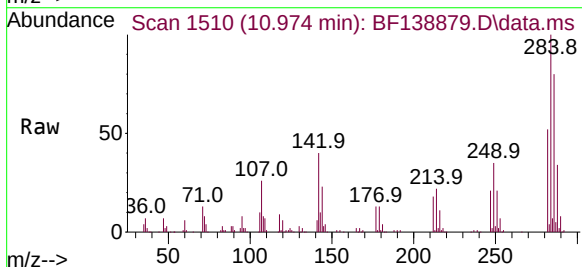
Tgt Ion:248 Resp: 111018
Ion Ratio Lower Upper
248 100
250 96.9 77.7 116.5
141 93.4 68.0 102.0

Manual Integrations
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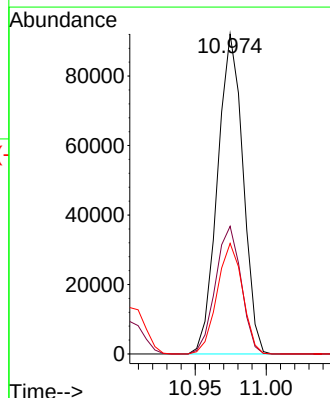
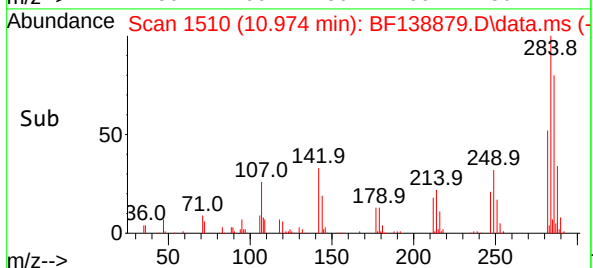
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

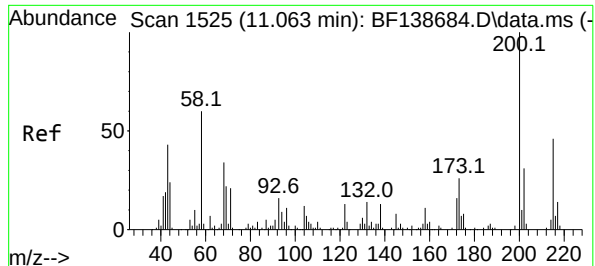


#68
Hexachlorobenzene
Concen: 40.333 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



Tgt Ion:284 Resp: 114946
Ion Ratio Lower Upper
284 100
142 39.9 31.3 46.9
249 34.5 27.2 40.8





#69

Atrazine

Concen: 38.753 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 7967

Ion Ratio Lower Upper

200 100

173 24.6 6.0 46.0

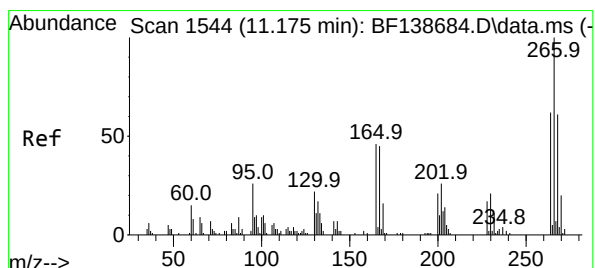
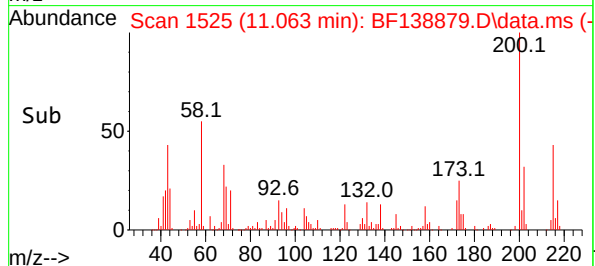
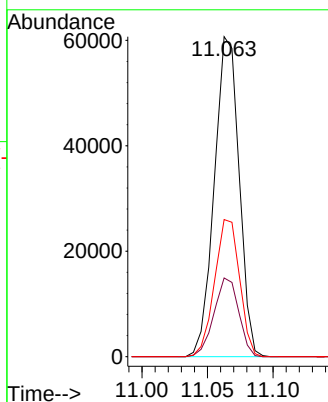
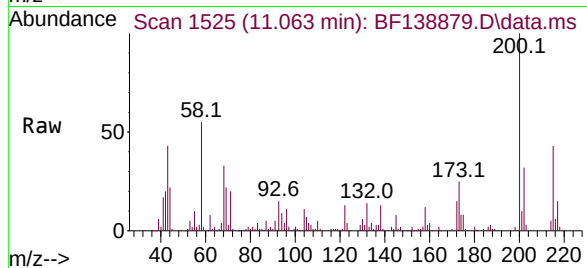
215 42.8 26.1 66.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#70

Pentachlorophenol

Concen: 45.355 ng

RT: 11.174 min Scan# 1544

Delta R.T. -0.001 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

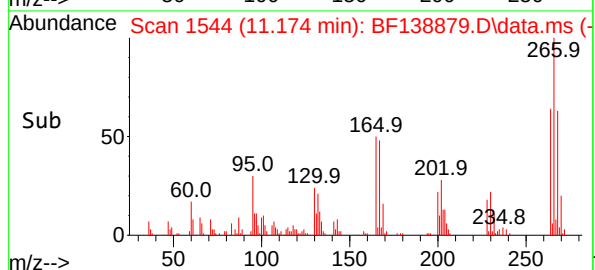
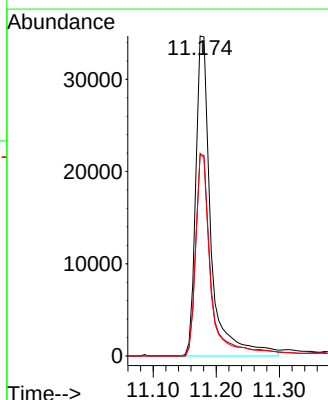
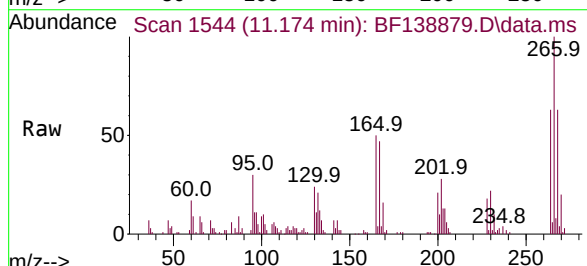
Tgt Ion:266 Resp: 58263

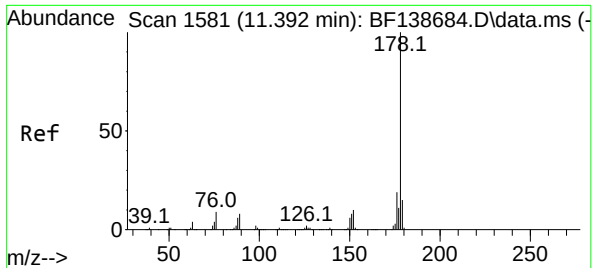
Ion Ratio Lower Upper

266 100

268 62.9 49.2 73.8

264 63.3 49.8 74.6





#71

Phenanthrene

Concen: 40.124 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 526719

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

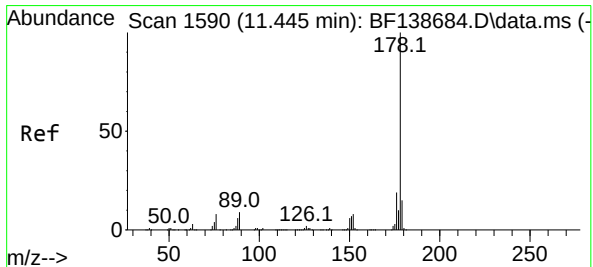
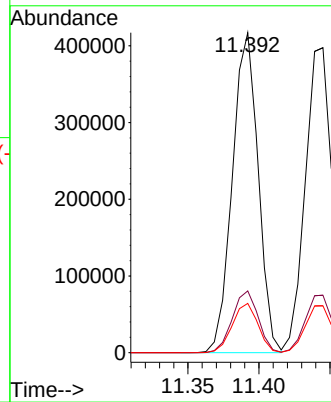
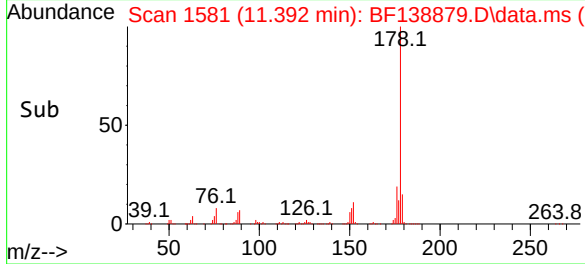
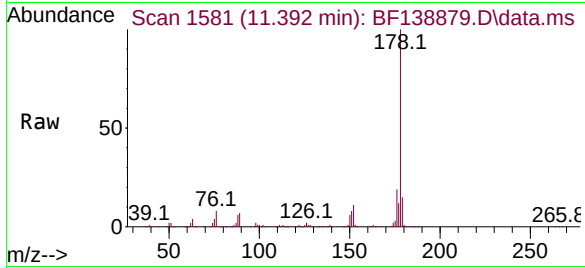
179 15.4 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#72

Anthracene

Concen: 40.206 ng

RT: 11.445 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

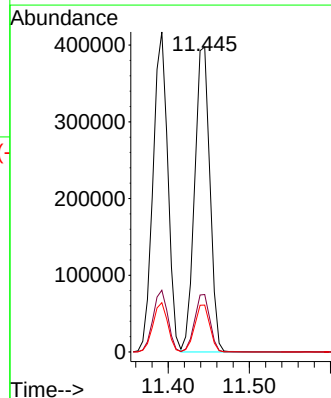
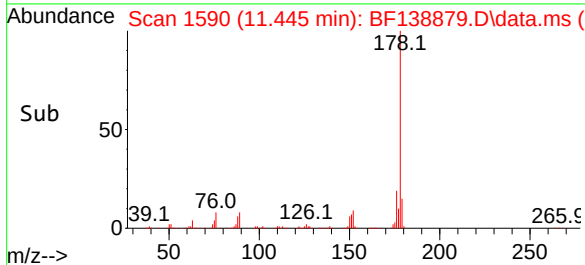
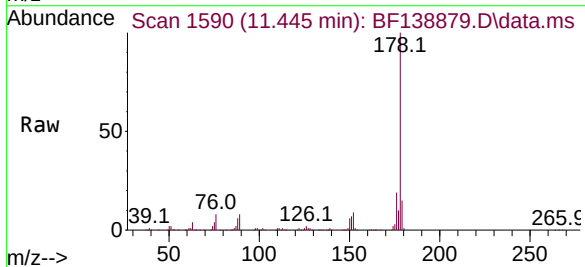
Tgt Ion:178 Resp: 519957

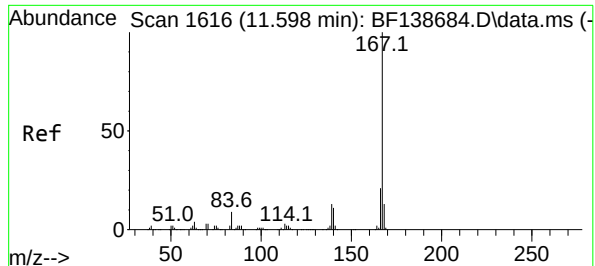
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

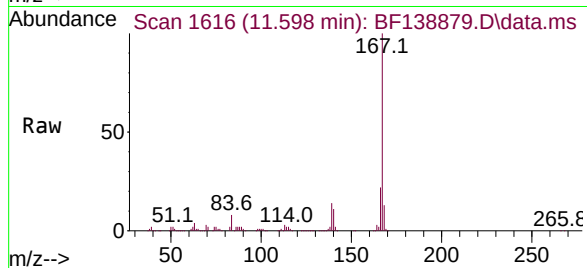
179 15.4 12.4 18.6





#73
Carbazole
Concen: 41.459 ng
RT: 11.598 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

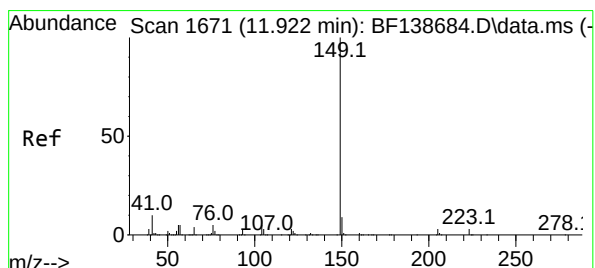
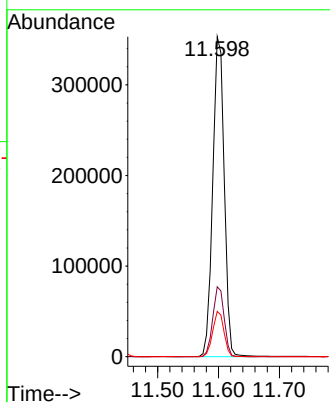
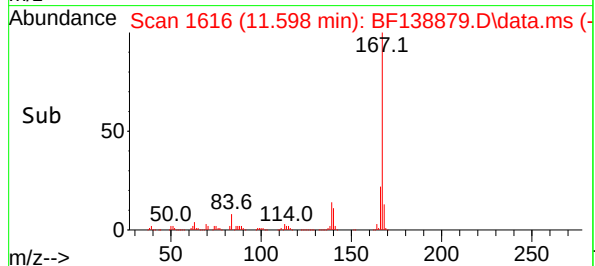
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



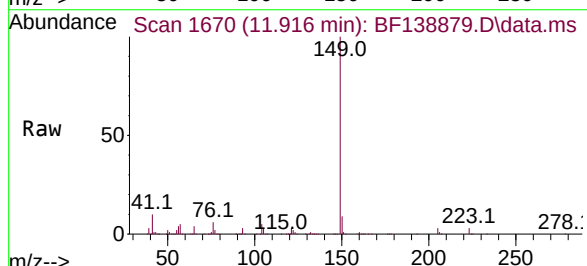
Tgt Ion:167 Resp: 46256
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 14.1 10.6 16.0

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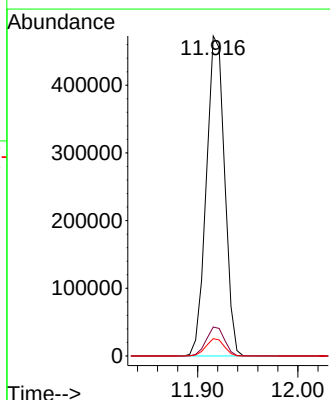
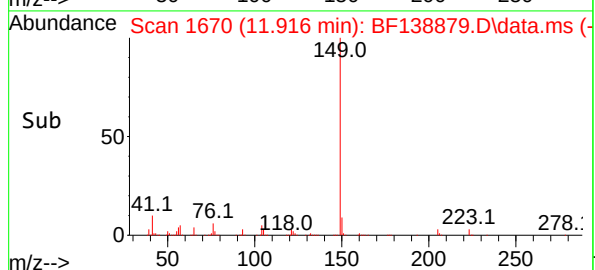
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

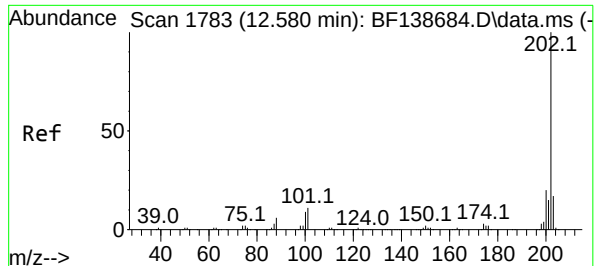


#74
Di-n-butylphthalate
Concen: 47.835 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



Tgt Ion:149 Resp: 599976
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 5.4 4.1 6.1





#75

Fluoranthene

Concen: 42.213 ng

RT: 12.574 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 517334

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.2

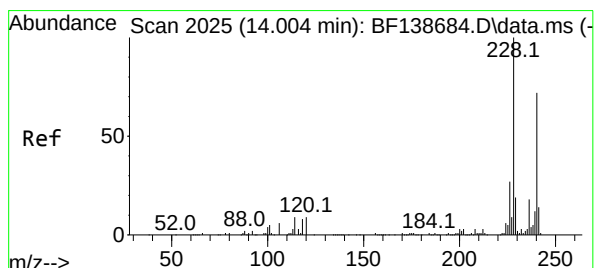
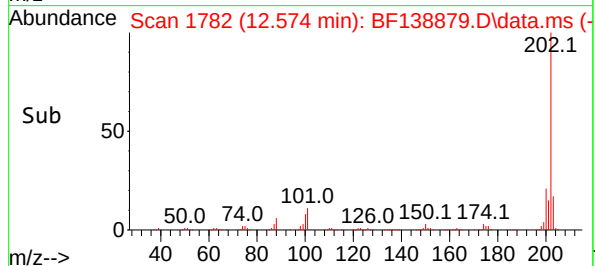
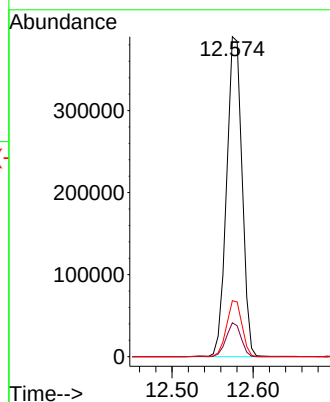
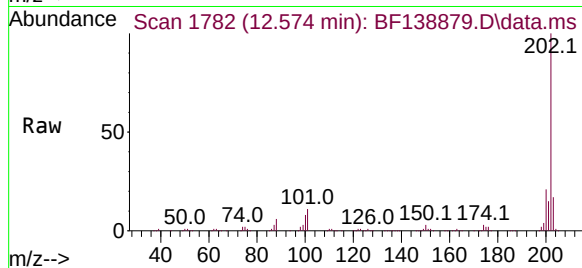
203 17.5 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

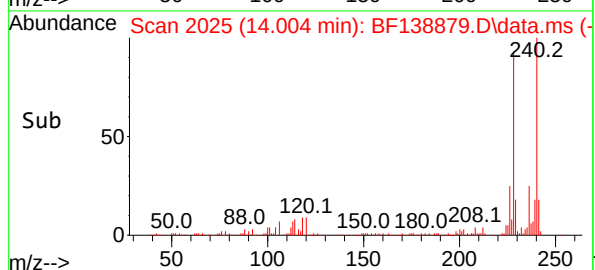
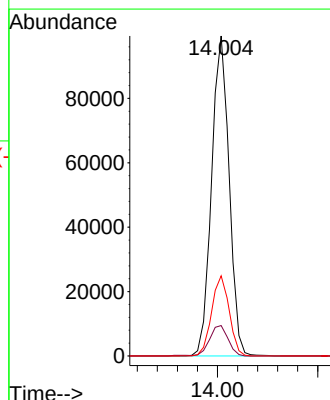
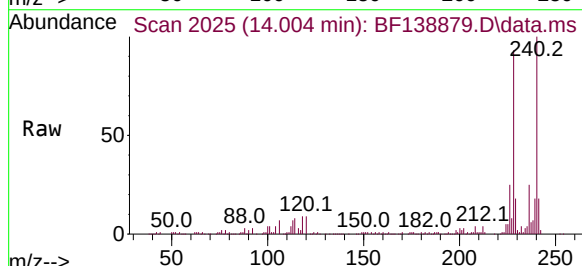
Tgt Ion:240 Resp: 120643

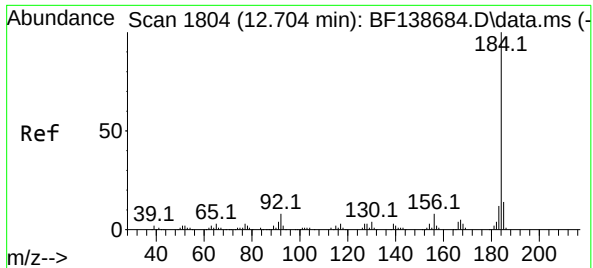
Ion Ratio Lower Upper

240 100

120 9.5 10.2 15.4#

236 25.1 19.8 29.8





#77

Benzidine

Concen: 39.838 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF138879.D

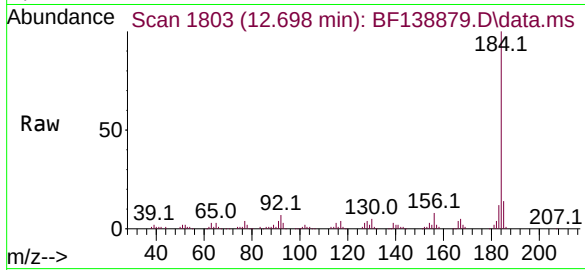
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:184 Resp: 114954

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

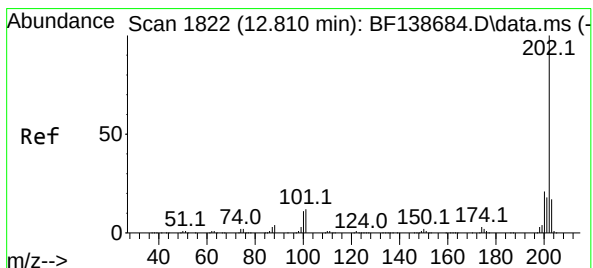
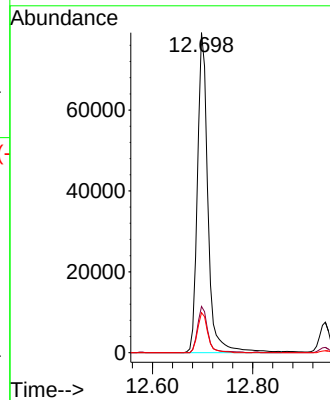
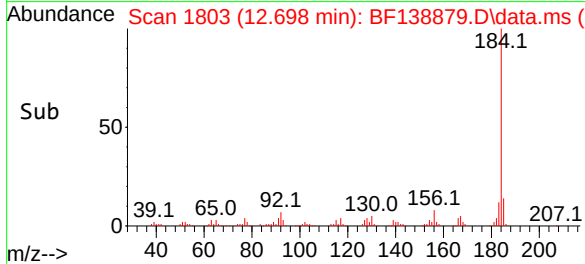
183 12.5 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#78

Pyrene

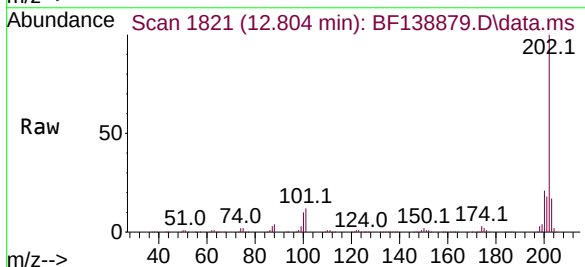
Concen: 45.976 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



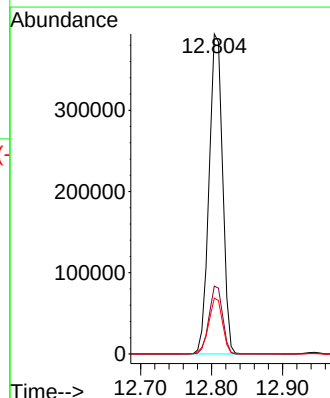
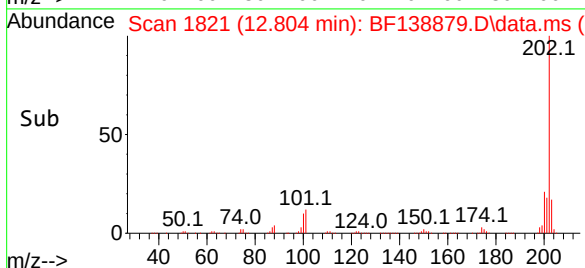
Tgt Ion:202 Resp: 522241

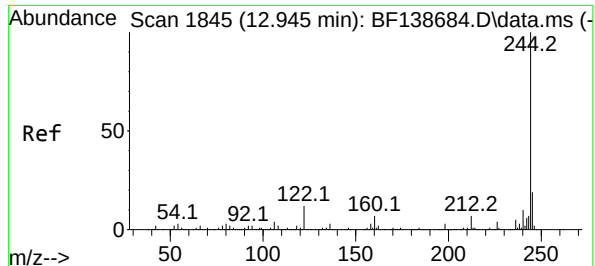
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 93.624 ng

RT: 12.945 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF138879.D

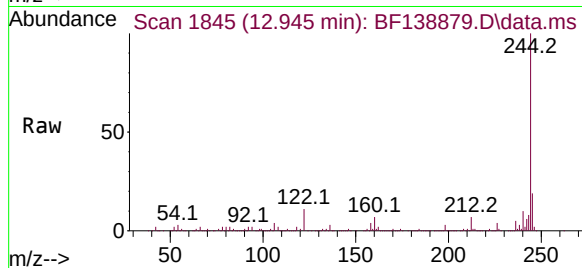
Acq: 09 Aug 2024 09:48

Instrument :

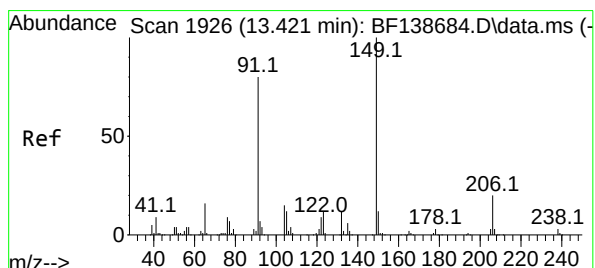
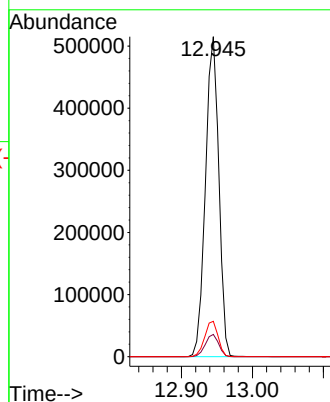
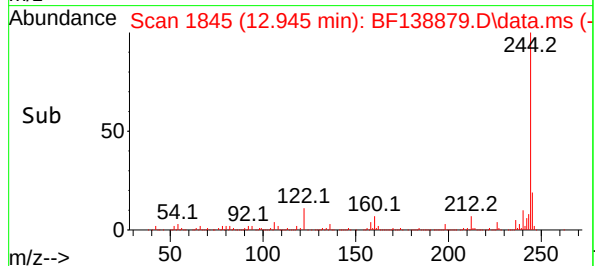
BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:	244	Resp:	67463
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	11.0	9.6	14.4

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

#80

Butylbenzylphthalate

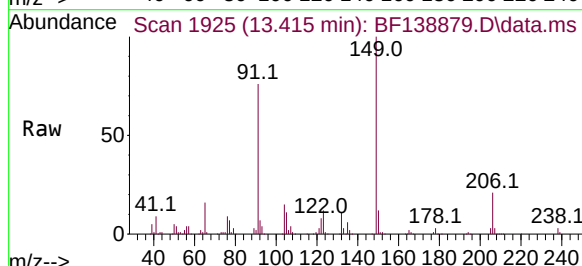
Concen: 46.724 ng

RT: 13.415 min Scan# 1925

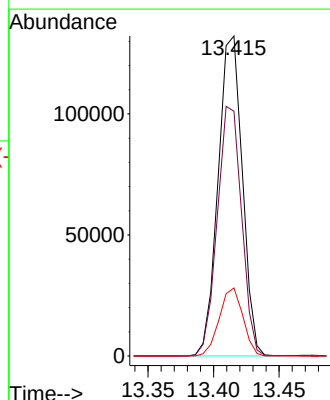
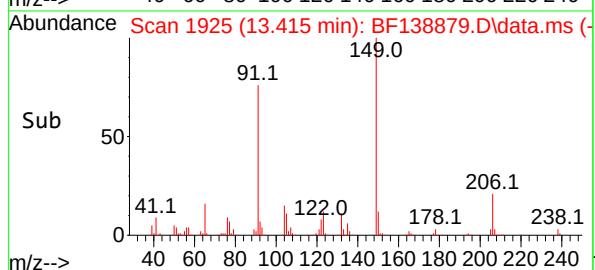
Delta R.T. -0.006 min

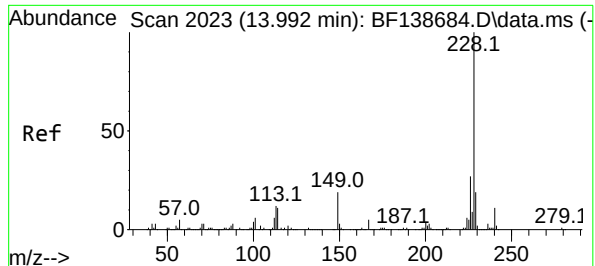
Lab File: BF138879.D

Acq: 09 Aug 2024 09:48



Tgt Ion:	149	Resp:	169955
Ion Ratio	Lower	Upper	
149	100		
91	76.5	63.7	95.5
206	21.3	16.2	24.2





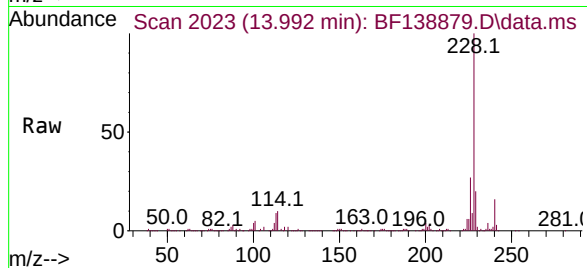
#81
Benzo(a)anthracene
Concen: 39.294 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

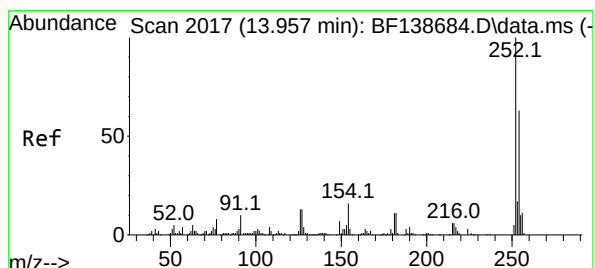
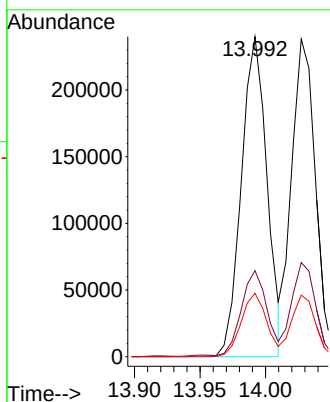
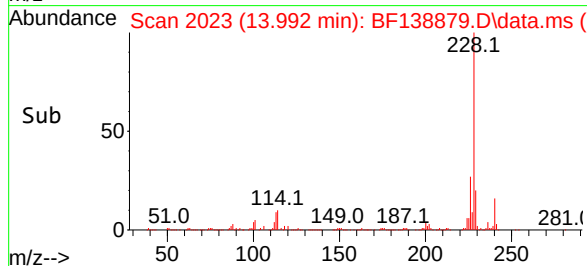


Tgt Ion:228 Resp: 32644
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 19.8 15.4 23.0

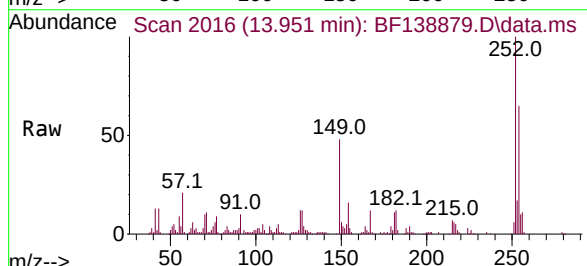
Manual Integrations

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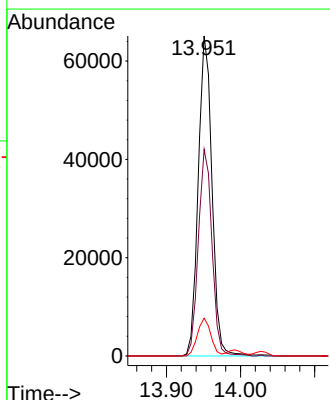
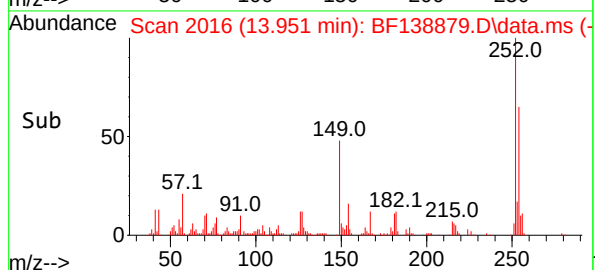
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

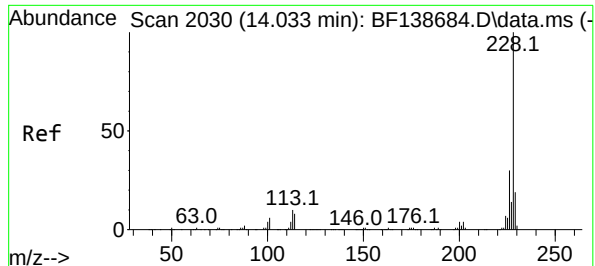


#82
3,3'-Dichlorobenzidine
Concen: 39.408 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48



Tgt Ion:252 Resp: 83780
Ion Ratio Lower Upper
252 100
254 64.6 50.8 76.2
126 11.8 10.2 15.2





#83

Chrysene

Concen: 39.995 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 29977

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

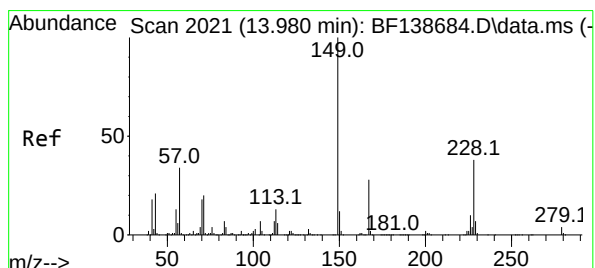
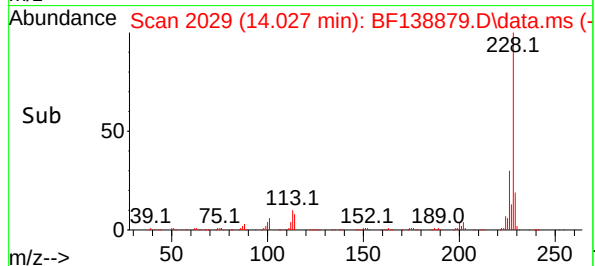
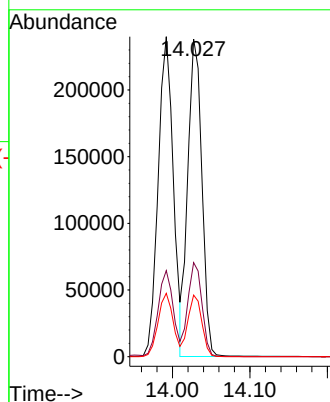
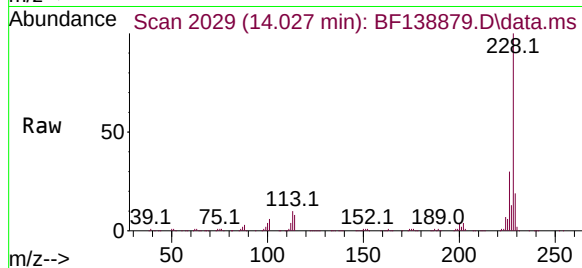
229 19.4 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.893 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

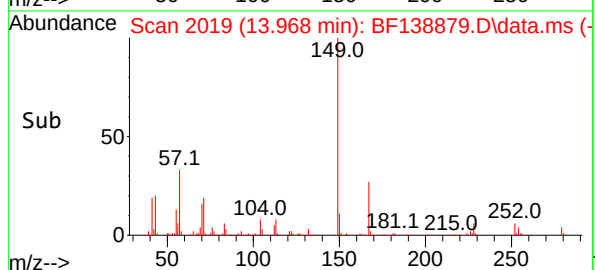
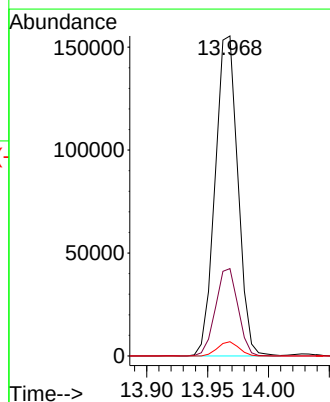
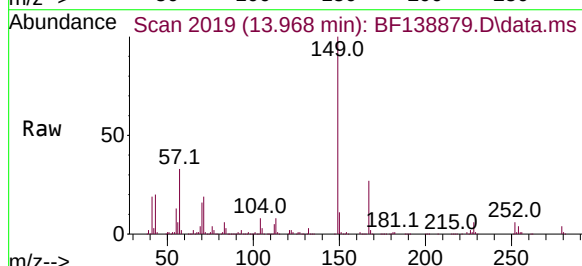
Tgt Ion:149 Resp: 201833

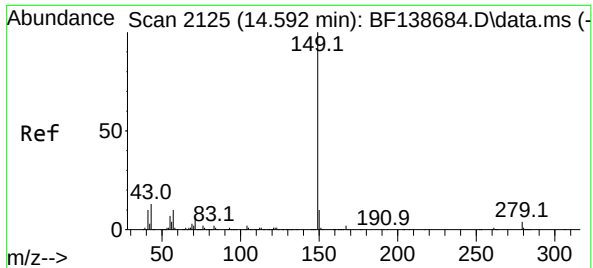
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

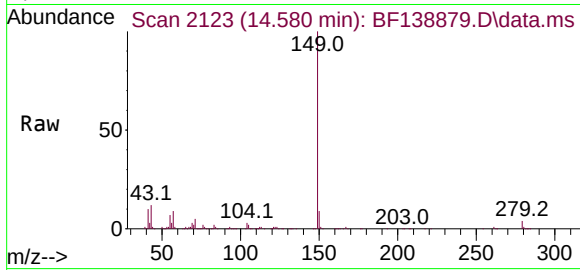
279 4.5 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 34.265 ng
RT: 14.580 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

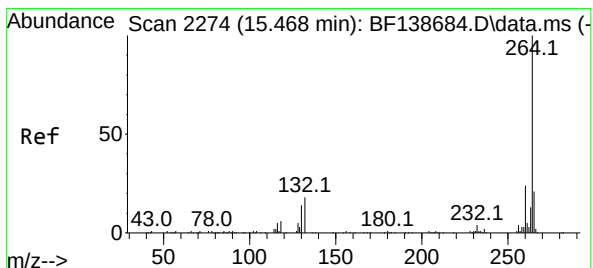
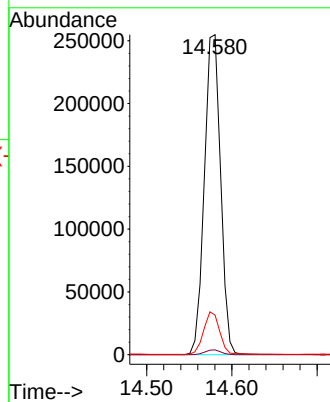
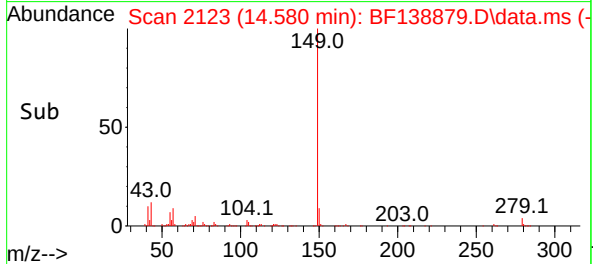
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 33767
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.1 10.4 15.6

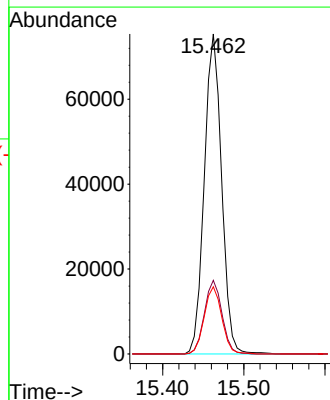
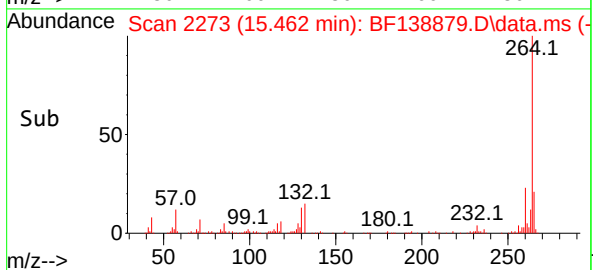
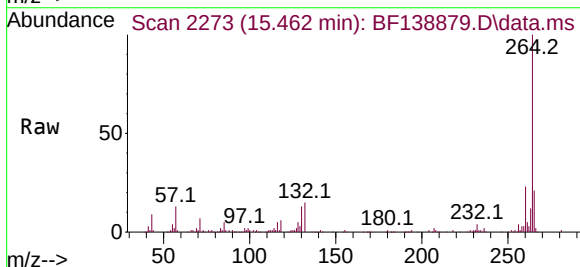
Manual Integrations
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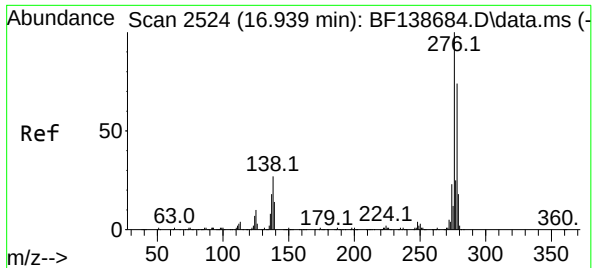
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion:264 Resp: 111360
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 21.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.875 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 30226

Ion Ratio Lower Upper

276 100

138 24.1 21.8 32.8

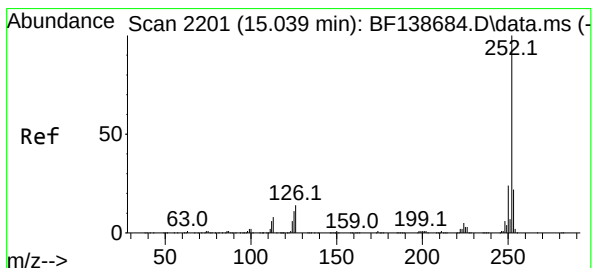
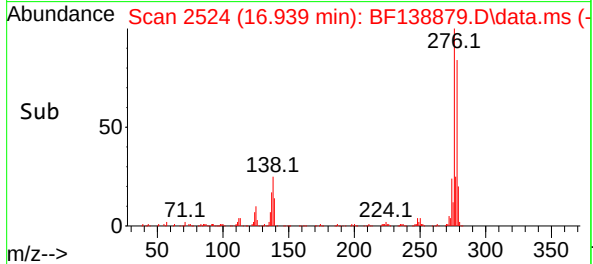
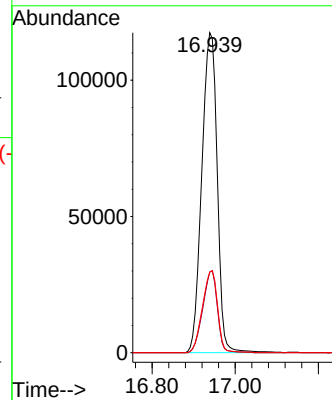
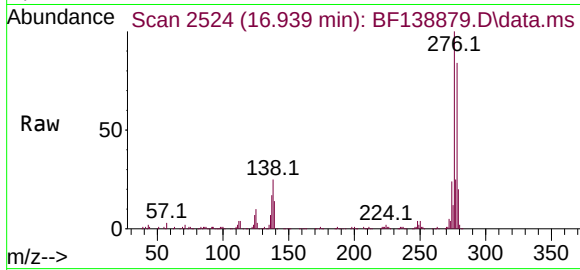
277 25.2 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#88

Benzo(b)fluoranthene

Concen: 40.751 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

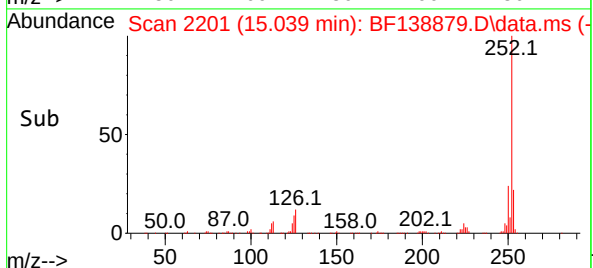
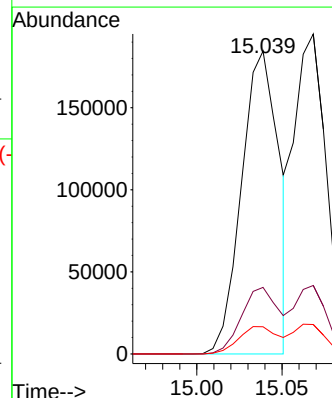
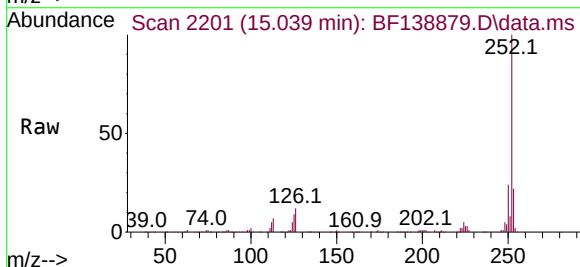
Tgt Ion:252 Resp: 281311

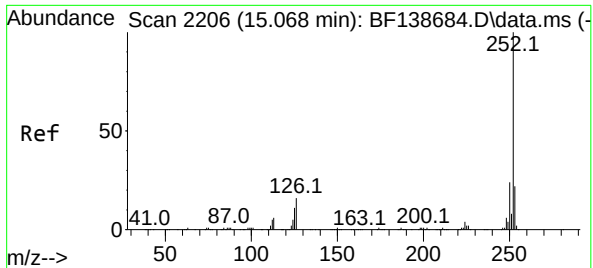
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.0 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 43.068 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

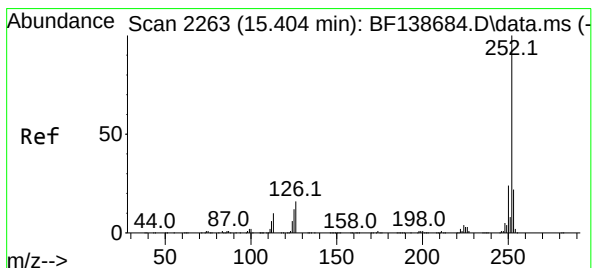
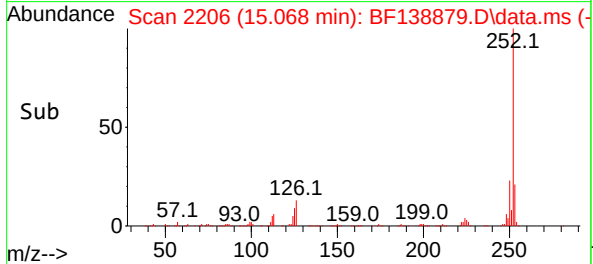
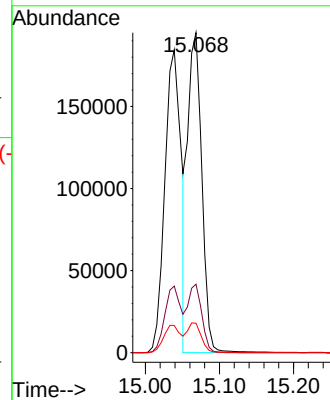
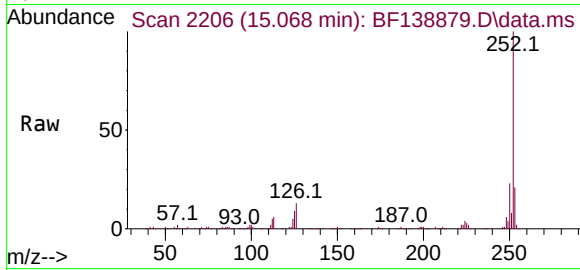
Tgt Ion:252	Resp:	25741
Ion Ratio	Lower	Upper
252	100	
253	21.4	17.4 26.0
125	9.2	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#90

Benzo(a)pyrene

Concen: 40.615 ng

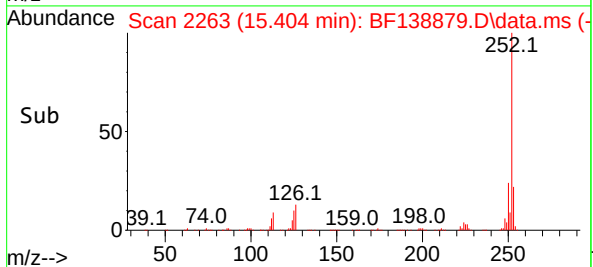
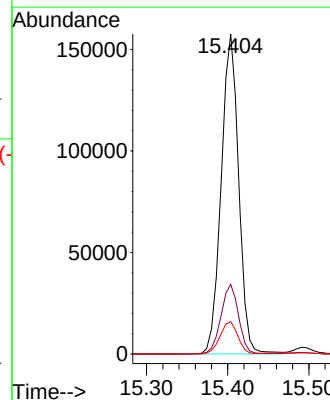
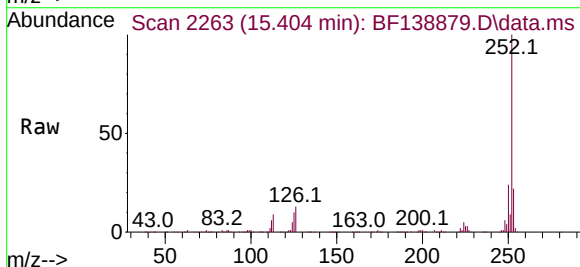
RT: 15.404 min Scan# 2263

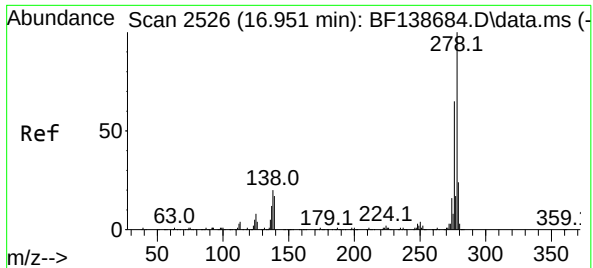
Delta R.T. -0.000 min

Lab File: BF138879.D

Acq: 09 Aug 2024 09:48

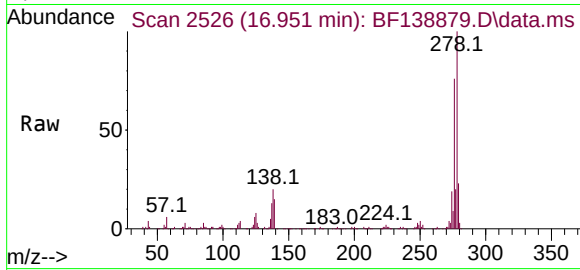
Tgt Ion:252	Resp:	235833
Ion Ratio	Lower	Upper
252	100	
253	21.7	17.3 25.9
125	10.1	9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 38.071 ng
RT: 16.951 min Scan# 2526
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

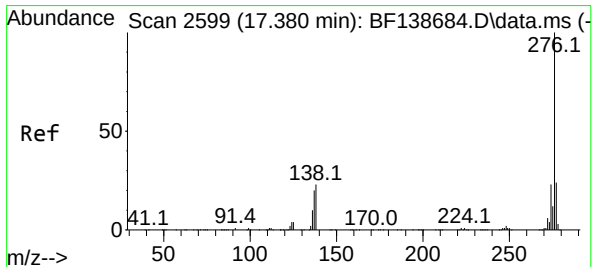
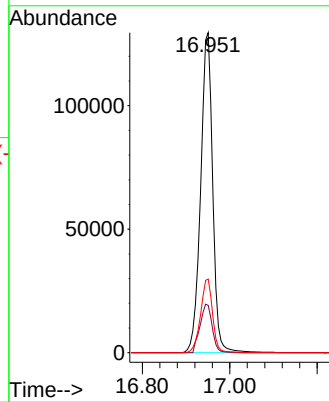
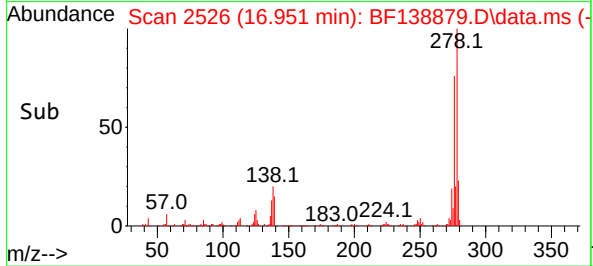
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 278 Resp: 24940
Ion Ratio Lower Upper
278 100
139 14.8 14.0 21.0
279 23.0 19.0 28.4

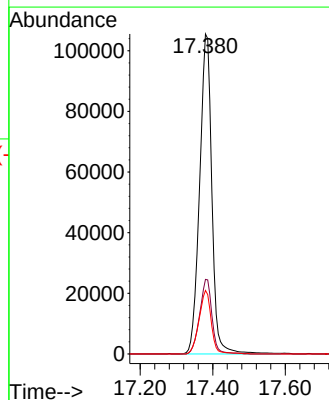
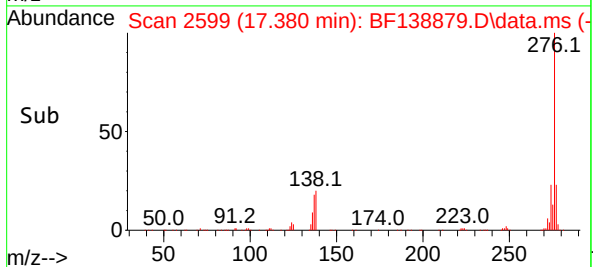
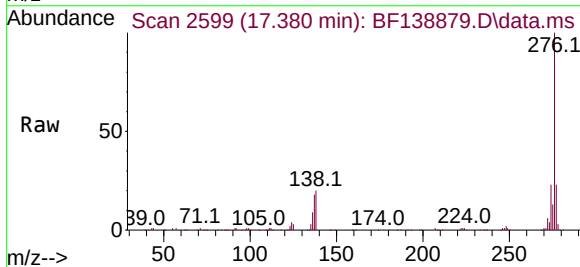
Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/10/2024
Supervised By : mohammad ahmed 08/12/2024



#92
Benzo(g,h,i)perylene
Concen: 36.405 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF138879.D
Acq: 09 Aug 2024 09:48

Tgt Ion: 276 Resp: 247476
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.4
138 19.8 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138879.D
 Acq On : 09 Aug 2024 09:48
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 09 10:52:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
2	1,4-Dioxane	0.567	0.467	17.6	73	0.02
3	Pyridine	1.374	1.192	13.2	78	0.02
4	n-Nitrosodimethylamine	0.818	0.850	-3.9	94	0.05
5 S	2-Fluorophenol	1.296	1.253	3.3	89	0.00
6	Aniline	1.551	1.495	3.6	88	0.00
7 S	Phenol-d6	1.740	1.688	3.0	90	0.00
8	2-Chlorophenol	1.363	1.362	0.1	93	0.00
9	Benzaldehyde	1.043	0.831	20.3	83	0.00
10 C	Phenol	1.832	1.767	3.5	90	0.01
11	bis(2-Chloroethyl)ether	1.409	1.319	6.4	87	0.00
12	1,3-Dichlorobenzene	1.526	1.500	1.7	92	0.00
13 C	1,4-Dichlorobenzene	1.540	1.516	1.6	91	0.00
14	1,2-Dichlorobenzene	1.439	1.466	-1.9	94	0.00
15	Benzyl Alcohol	1.254	1.333	-6.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	2.426	2.133	12.1	82	0.00
17	2-Methylphenol	1.126	1.087	3.5	89	0.00
18	Hexachloroethane	0.580	0.586	-1.0	93	0.00
19 P	n-Nitroso-di-n-propylamine	1.051	1.087	-3.4	99	0.00
20	3+4-Methylphenols	1.444	1.469	-1.7	97	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22	Acetophenone	0.490	0.500	-2.0	98	0.00
23 S	Nitrobenzene-d5	0.409	0.415	-1.5	96	0.00
24	Nitrobenzene	0.416	0.419	-0.7	95	0.00
25	Isophorone	0.699	0.689	1.4	95	0.00
26 C	2-Nitrophenol	0.179	0.185	-3.4	95	0.00
27	2,4-Dimethylphenol	0.214	0.210	1.9	93	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.413	2.8	93	0.00
29 C	2,4-Dichlorophenol	0.275	0.284	-3.3	97	0.00
30	1,2,4-Trichlorobenzene	0.318	0.318	0.0	95	0.00
31	Naphthalene	1.053	1.044	0.9	94	0.00
32	Benzoic acid	0.168	0.149	11.3	85	0.04
33	4-Chloroaniline	0.353	0.328	7.1	89	0.00
34 C	Hexachlorobutadiene	0.192	0.201	-4.7	100	0.00
35	Caprolactam	0.082	0.086	-4.9	104	0.03
36 C	4-Chloro-3-methylphenol	0.315	0.330	-4.8	102	0.01
37	2-Methylnaphthalene	0.665	0.685	-3.0	100	0.00
38	1-Methylnaphthalene	0.652	0.663	-1.7	98	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	0.556	0.558	-0.4	104	0.00
41 P	Hexachlorocyclopentadiene	0.120	0.169	-40.8#	137	0.00
42 S	2,4,6-Tribromophenol	0.164	0.175	-6.7	113	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.331	2.4	101	0.00
44	2,4,5-Trichlorophenol	0.370	0.367	0.8	103	0.00
45 S	2-Fluorobiphenyl	1.331	1.366	-2.6	108	0.00
46	1,1'-Biphenyl	1.566	1.528	2.4	102	0.00
47	2-Chloronaphthalene	1.165	1.138	2.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138879.D
 Acq On : 09 Aug 2024 09:48
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 09 10:52:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	0.395	0.398	-0.8	105	0.00
49	Acenaphthylene	1.652	1.623	1.8	102	0.00
50	Dimethylphthalate	1.279	1.314	-2.7	110	0.00
51	2,6-Dinitrotoluene	0.289	0.297	-2.8	106	0.00
52 C	Acenaphthene	1.111	1.081	2.7	103	0.00
53	3-Nitroaniline	0.298	0.297	0.3	106	0.00
54 P	2,4-Dinitrophenol	0.133	0.150	-12.8	121	0.00
55	Dibenzofuran	1.568	1.578	-0.6	107	0.00
56 P	4-Nitrophenol	0.179	0.191	-6.7	112	0.02
57	2,4-Dinitrotoluene	0.368	0.397	-7.9	113	0.01
58	Fluorene	1.249	1.298	-3.9	111	0.00
59	2,3,4,6-Tetrachlorophenol	0.283	0.290	-2.5	109	0.00
60	Diethylphthalate	1.213	1.332	-9.8	118	0.00
61	4-Chlorophenyl-phenylether	0.614	0.641	-4.4	112	0.00
62	4-Nitroaniline	0.284	0.291	-2.5	110	0.01
63	Azobenzene	1.345	1.364	-1.4	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
65	4,6-Dinitro-2-methylphenol	0.122	0.127	-4.1	114	0.01
66 c	n-Nitrosodiphenylamine	0.625	0.630	-0.8	112	0.00
67	4-Bromophenyl-phenylether	0.217	0.218	-0.5	113	0.00
68	Hexachlorobenzene	0.224	0.225	-0.4	115	0.00
69	Atrazine	0.161	0.156	3.1	108	0.00
70 C	Pentachlorophenol	0.101	0.114	-12.9	125	0.00
71	Phenanthrene	1.030	1.033	-0.3	113	0.00
72	Anthracene	1.015	1.020	-0.5	114	0.00
73	Carbazole	0.875	0.907	-3.7	117	0.00
74	Di-n-butylphthalate	0.984	1.177	-19.6	133	0.00
75 C	Fluoranthene	0.961	1.015	-5.6	118	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	96	0.00
77	Benzydine	0.478	0.476	0.4	85	0.00
78	Pyrene	1.883	2.164	-14.9	119	0.00
79 S	Terphenyl-d14	1.195	1.398	-17.0	121	0.00
80	Butylbenzylphthalate	0.603	0.704	-16.7	108	0.00
81	Benzo(a)anthracene	1.377	1.353	1.7	93	0.00
82	3,3'-Dichlorobenzidine	0.352	0.347	1.4	92	0.00
83	Chrysene	1.243	1.242	0.1	97	0.00
84	Bis(2-ethylhexyl)phthalate	0.883	0.836	5.3	85	-0.01
85 c	Di-n-octyl phthalate	1.634	1.399	14.4	77	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	73	0.00
87	Indeno(1,2,3-cd)pyrene	1.433	1.357	5.3	72	0.00
88	Benzo(b)fluoranthene	1.240	1.263	-1.9	76	0.00
89	Benzo(k)fluoranthene	1.073	1.156	-7.7	85	0.00
90 C	Benzo(a)pyrene	1.043	1.059	-1.5	76	0.00
91	Dibenzo(a,h)anthracene	1.177	1.120	4.8	73	0.00
92	Benzo(g,h,i)perylene	1.221	1.111	9.0	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138879.D
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	90	0.00
2	1,4-Dioxane	40.000	32.959	17.6	73	0.02
3	Pyridine	40.000	34.698	13.3	78	0.02
4	n-Nitrosodimethylamine	40.000	41.529	-3.8	94	0.05
5 S	2-Fluorophenol	80.000	77.341	3.3	89	0.00
6	Aniline	40.000	38.553	3.6	88	0.00
7 S	Phenol-d6	80.000	77.642	2.9	90	0.00
8	2-Chlorophenol	40.000	39.975	0.1	93	0.00
9	Benzaldehyde	40.000	31.868	20.3	83	0.00
10 C	Phenol	40.000	38.591	3.5	90	0.01
11	bis(2-Chloroethyl)ether	40.000	37.428	6.4	87	0.00
12	1,3-Dichlorobenzene	40.000	39.328	1.7	92	0.00
13 C	1,4-Dichlorobenzene	40.000	39.385	1.5	91	0.00
14	1,2-Dichlorobenzene	40.000	40.758	-1.9	94	0.00
15	Benzyl Alcohol	40.000	42.513	-6.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.181	12.0	82	0.00
17	2-Methylphenol	40.000	38.644	3.4	89	0.00
18	Hexachloroethane	40.000	40.424	-1.1	93	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.371	-3.4	99	0.00
20	3+4-Methylphenols	40.000	40.691	-1.7	97	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22	Acetophenone	40.000	40.881	-2.2	98	0.00
23 S	Nitrobenzene-d5	80.000	81.125	-1.4	96	0.00
24	Nitrobenzene	40.000	40.226	-0.6	95	0.00
25	Isophorone	40.000	39.454	1.4	95	0.00
26 C	2-Nitrophenol	40.000	41.211	-3.0	95	0.00
27	2,4-Dimethylphenol	40.000	39.127	2.2	93	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.796	3.0	93	0.00
29 C	2,4-Dichlorophenol	40.000	41.240	-3.1	97	0.00
30	1,2,4-Trichlorobenzene	40.000	40.076	-0.2	95	0.00
31	Naphthalene	40.000	39.667	0.8	94	0.00
32	Benzoic acid	40.000	35.363	11.6	85	0.04
33	4-Chloroaniline	40.000	37.080	7.3	89	0.00
34 C	Hexachlorobutadiene	40.000	41.748	-4.4	100	0.00
35	Caprolactam	40.000	42.020	-5.1	104	0.03
36 C	4-Chloro-3-methylphenol	40.000	41.980	-4.9	102	0.01
37	2-Methylnaphthalene	40.000	41.211	-3.0	100	0.00
38	1-Methylnaphthalene	40.000	40.707	-1.8	98	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.151	-0.4	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	48.979	-22.4	137	0.00
42 S	2,4,6-Tribromophenol	80.000	85.652	-7.1	113	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.044	2.4	101	0.00
44	2,4,5-Trichlorophenol	40.000	39.672	0.8	103	0.00
45 S	2-Fluorobiphenyl	80.000	82.084	-2.6	108	0.00
46	1,1'-Biphenyl	40.000	39.023	2.4	102	0.00
47	2-Chloronaphthalene	40.000	39.064	2.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138879.D
 Acq On : 09 Aug 2024 09:48
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
 SSTDCCC040

Quant Time: Aug 09 10:52:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.306	-0.8	105	0.00
49	Acenaphthylene	40.000	39.295	1.8	102	0.00
50	Dimethylphthalate	40.000	41.104	-2.8	110	0.00
51	2,6-Dinitrotoluene	40.000	41.164	-2.9	106	0.00
52 C	Acenaphthene	40.000	38.933	2.7	103	0.00
53	3-Nitroaniline	40.000	39.833	0.4	106	0.00
54 P	2,4-Dinitrophenol	40.000	45.240	-13.1	121	0.00
55	Dibenzofuran	40.000	40.270	-0.7	107	0.00
56 P	4-Nitrophenol	40.000	42.666	-6.7	112	0.02
57	2,4-Dinitrotoluene	40.000	43.181	-8.0	113	0.01
58	Fluorene	40.000	41.585	-4.0	111	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.037	-2.6	109	0.00
60	Diethylphthalate	40.000	43.927	-9.8	118	0.00
61	4-Chlorophenyl-phenylether	40.000	41.737	-4.3	112	0.00
62	4-Nitroaniline	40.000	41.114	-2.8	110	0.01
63	Azobenzene	40.000	40.571	-1.4	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	112	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.494	-3.7	114	0.01
66 c	n-Nitrosodiphenylamine	40.000	40.327	-0.8	112	0.00
67	4-Bromophenyl-phenylether	40.000	40.221	-0.6	113	0.00
68	Hexachlorobenzene	40.000	40.333	-0.8	115	0.00
69	Atrazine	40.000	38.753	3.1	108	0.00
70 C	Pentachlorophenol	40.000	45.355	-13.4	125	0.00
71	Phenanthrene	40.000	40.124	-0.3	113	0.00
72	Anthracene	40.000	40.206	-0.5	114	0.00
73	Carbazole	40.000	41.459	-3.6	117	0.00
74	Di-n-butylphthalate	40.000	47.835	-19.6	133	0.00
75 C	Fluoranthene	40.000	42.213	-5.5	118	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	96	0.00
77	Benzydine	40.000	39.838	0.4	85	0.00
78	Pyrene	40.000	45.976	-14.9	119	0.00
79 S	Terphenyl-d14	80.000	93.624	-17.0	121	0.00
80	Butylbenzylphthalate	40.000	46.724	-16.8	108	0.00
81	Benzo(a)anthracene	40.000	39.294	1.8	93	0.00
82	3,3'-Dichlorobenzidine	40.000	39.408	1.5	92	0.00
83	Chrysene	40.000	39.995	0.0	97	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.893	5.3	85	-0.01
85 c	Di-n-octyl phthalate	40.000	34.265	14.3	77	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	73	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.875	5.3	72	0.00
88	Benzo(b)fluoranthene	40.000	40.751	-1.9	76	0.00
89	Benzo(k)fluoranthene	40.000	43.068	-7.7	85	0.00
90 C	Benzo(a)pyrene	40.000	40.615	-1.5	76	0.00
91	Dibenzo(a,h)anthracene	40.000	38.071	4.8	73	0.00
92	Benzo(g,h,i)perylene	40.000	36.405	9.0	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138879.D
Acq On : 09 Aug 2024 09:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 09 10:52:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = 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: JAC005

Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429

Instrument ID: BNA_F Calibration Date/Time: 08/10/2024 10:41

Lab File ID: BF138901.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.374	1.245		-9.4	
2-Fluorophenol	1.296	1.267		-2.2	
Benzaldehyde	1.043	0.916		-12.2	
Phenol-d6	1.740	1.736		-0.2	
2-Methylphenol	1.126	1.130		0.4	
3+4-Methylphenols	1.444	1.532		6.1	
Nitrobenzene-d5	0.409	0.425		3.9	
Hexachloroethane	0.580	0.601		3.6	
Nitrobenzene	0.416	0.425		2.2	
Naphthalene	1.053	1.059		0.6	
Hexachlorobutadiene	0.192	0.208		8.3	20.0
2-Methylnaphthalene	0.665	0.691		3.9	
2,4,6-Trichlorophenol	0.339	0.337		-0.6	20.0
2-Fluorobiphenyl	1.331	1.376		3.4	
2,4,5-Trichlorophenol	0.370	0.377		1.9	
Acenaphthylene	1.652	1.642		-0.6	
Acenaphthene	1.111	1.104		-0.6	20.0
Dibenzofuran	1.568	1.590		1.4	
2,4-Dinitrotoluene	0.368	0.405		10.1	
Fluorene	1.249	1.309		4.8	
2,4,6-Tribromophenol	0.164	0.177		7.9	
Hexachlorobenzene	0.224	0.229		2.2	
Pentachlorophenol	0.101	0.121		19.8	20.0
Phenanthrene	1.030	1.051		2.0	
Anthracene	1.015	1.029		1.4	
Carbazole	0.875	0.883		0.9	
Di-n-butylphthalate	0.984	1.131		14.9	
Fluoranthene	0.961	0.969		0.8	20.0
Pyrene	1.883	2.088		10.9	
Terphenyl-d14	1.195	1.360		13.8	
Benzo (a) anthracene	1.377	1.402		1.8	
Chrysene	1.243	1.236		-0.6	
Bis (2-ethylhexyl) phthalate	0.883	0.871		-1.4	
Benzo (b) fluoranthene	1.240	1.227		-1.0	
Benzo (k) fluoranthene	1.073	1.114		3.8	
Benzo (a) pyrene	1.043	1.061		1.7	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.363		-4.9	
Dibenzo (a,h) anthracene	1.177	1.113		-5.4	
Benzo (g,h,i) perylene	1.221	1.134		-7.1	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429
Instrument ID: BNA_F Calibration Date/Time: 08/10/2024 10:41
Lab File ID: BF138901.D Init. Calib. Date(s): 07/30/2024 07/30/2024
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	<u>RRF</u>	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.567	0.483		-14.8	20.0
1-Methylnaphthalene	0.652	0.672		3.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138901.D
 Acq On : 10 Aug 2024 10:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 12 01:11:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	63234	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	258541	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	146261	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	247933	20.000	ng	0.00
76) Chrysene-d12	14.004	240	115525	20.000	ng	0.00
86) Perylene-d12	15.468	264	117822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	320465	78.231	ng	0.00
7) Phenol-d6	6.492	99	439099	79.839	ng	0.00
23) Nitrobenzene-d5	7.416	82	439920	83.191	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	103699	86.555	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	804889	82.684	ng	0.00
79) Terphenyl-d14	12.945	244	628672	91.112	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.599	88	61103	34.071	ng	97
3) Pyridine	3.357	79	157484	36.250	ng	97
4) n-Nitrosodimethylamine	3.334	42	112433	43.453	ng	83
6) Aniline	6.510	93	194296	39.613	ng	# 41
8) 2-Chlorophenol	6.639	128	175639	40.753	ng	96
9) Benzaldehyde	6.398	77	115786	35.120	ng	99
10) Phenol	6.510	94	230139	39.743	ng	79
11) bis(2-Chloroethyl)ether	6.587	93	167809	37.658	ng	99
12) 1,3-Dichlorobenzene	6.787	146	192215	39.842	ng	98
13) 1,4-Dichlorobenzene	6.863	146	196478	40.356	ng	100
14) 1,2-Dichlorobenzene	7.016	146	188564	41.442	ng	98
15) Benzyl Alcohol	6.992	79	171483	43.260	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	276455	36.049	ng	# 50
17) 2-Methylphenol	7.110	107	142935	40.163	ng	# 91
18) Hexachloroethane	7.351	117	76031	41.486	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	140425	42.274	ng	99
20) 3+4-Methylphenols	7.263	107	193788	42.440	ng	93
22) Acetophenone	7.257	105	264253	41.744	ng	# 98
24) Nitrobenzene	7.434	77	219665	40.822	ng	99
25) Isophorone	7.675	82	363094	40.211	ng	99
26) 2-Nitrophenol	7.745	139	95229	41.134	ng	92
27) 2,4-Dimethylphenol	7.786	122	111520	40.261	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	215348	39.163	ng	99
29) 2,4-Dichlorophenol	7.992	162	148177	41.631	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	169785	41.335	ng	97
31) Naphthalene	8.151	128	547469	40.229	ng	100
32) Benzoic acid	7.951	122	73794	33.892	ng	88
33) 4-Chloroaniline	8.204	127	168871	36.967	ng	98
34) Hexachlorobutadiene	8.257	225	107615	43.255	ng	100
35) Caprolactam	8.598	113	45469m	42.813	ng	
36) 4-Chloro-3-methylphenol	8.692	107	174210	42.827	ng	98
37) 2-Methylnaphthalene	8.839	142	357386	41.582	ng	99
38) 1-Methylnaphthalene	8.939	142	347514	41.263	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	166654	41.018	ng	98
41) Hexachlorocyclopentadiene	8.986	237	47919	47.645	ng	99
43) 2,4,6-Trichlorophenol	9.122	196	98461	39.746	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138901.D
 Acq On : 10 Aug 2024 10:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 12 01:11:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	110160	40.677	ng	98
46) 1,1'-Biphenyl	9.304	154	456093	39.816	ng	99
47) 2-Chloronaphthalene	9.328	162	341460	40.080	ng	100
48) 2-Nitroaniline	9.433	65	119216	41.277	ng	97
49) Acenaphthylene	9.745	152	480233	39.744	ng	99
50) Dimethylphthalate	9.604	163	396316	42.377	ng	100
51) 2,6-Dinitrotoluene	9.675	165	90405	42.834	ng	90
52) Acenaphthene	9.916	154	323021	39.769	ng	100
53) 3-Nitroaniline	9.845	138	87074	39.908	ng	94
54) 2,4-Dinitrophenol	9.963	184	44762	46.071	ng	87
55) Dibenzofuran	10.086	168	465060	40.561	ng	98
56) 4-Nitrophenol	10.028	139	56447	43.021	ng	93
57) 2,4-Dinitrotoluene	10.080	165	118576	44.035	ng	# 83
58) Fluorene	10.427	166	383007	41.948	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	85030	41.069	ng	96
60) Diethylphthalate	10.304	149	392422	44.254	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	192635	42.898	ng	95
62) 4-Nitroaniline	10.469	138	86663	41.796	ng	90
63) Azobenzene	10.580	77	398845	40.554	ng	97
65) 4,6-Dinitro-2-methylph...	10.498	198	63626	42.064	ng	98
66) n-Nitrosodiphenylamine	10.545	169	315882	40.760	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	111751	41.631	ng	98
68) Hexachlorobenzene	10.975	284	113668	41.012	ng	97
69) Atrazine	11.069	200	73548	36.784	ng	98
70) Pentachlorophenol	11.180	266	60194	48.183	ng	98
71) Phenanthrene	11.392	178	521085	40.816	ng	100
72) Anthracene	11.445	178	510139	40.562	ng	100
73) Carbazole	11.604	167	437899	40.357	ng	99
74) Di-n-butylphthalate	11.922	149	560651	45.963	ng	99
75) Fluoranthene	12.580	202	480391	40.307	ng	99
77) Benzidine	12.704	184	119714	43.325	ng	99
78) Pyrene	12.810	202	482435	44.353	ng	100
80) Butylbenzylphthalate	13.416	149	154344	44.312	ng	99
81) Benzo(a)anthracene	13.998	228	323951	40.721	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	86086	42.286	ng	99
83) Chrysene	14.033	228	285552	39.786	ng	100
84) Bis(2-ethylhexyl)phtha...	13.968	149	201163	39.440	ng	98
85) Di-n-octyl phthalate	14.580	149	351563	37.255	ng	100
87) Indeno(1,2,3-cd)pyrene	16.956	276	321131	38.033	ng	96
88) Benzo(b)fluoranthene	15.045	252	289097	39.582	ng	98
89) Benzo(k)fluoranthene	15.074	252	262435	41.500	ng	98
90) Benzo(a)pyrene	15.410	252	250070	40.704	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	262197	37.829	ng	98
92) Benzo(g,h,i)perylene	17.398	276	267113	37.138	ng	96

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

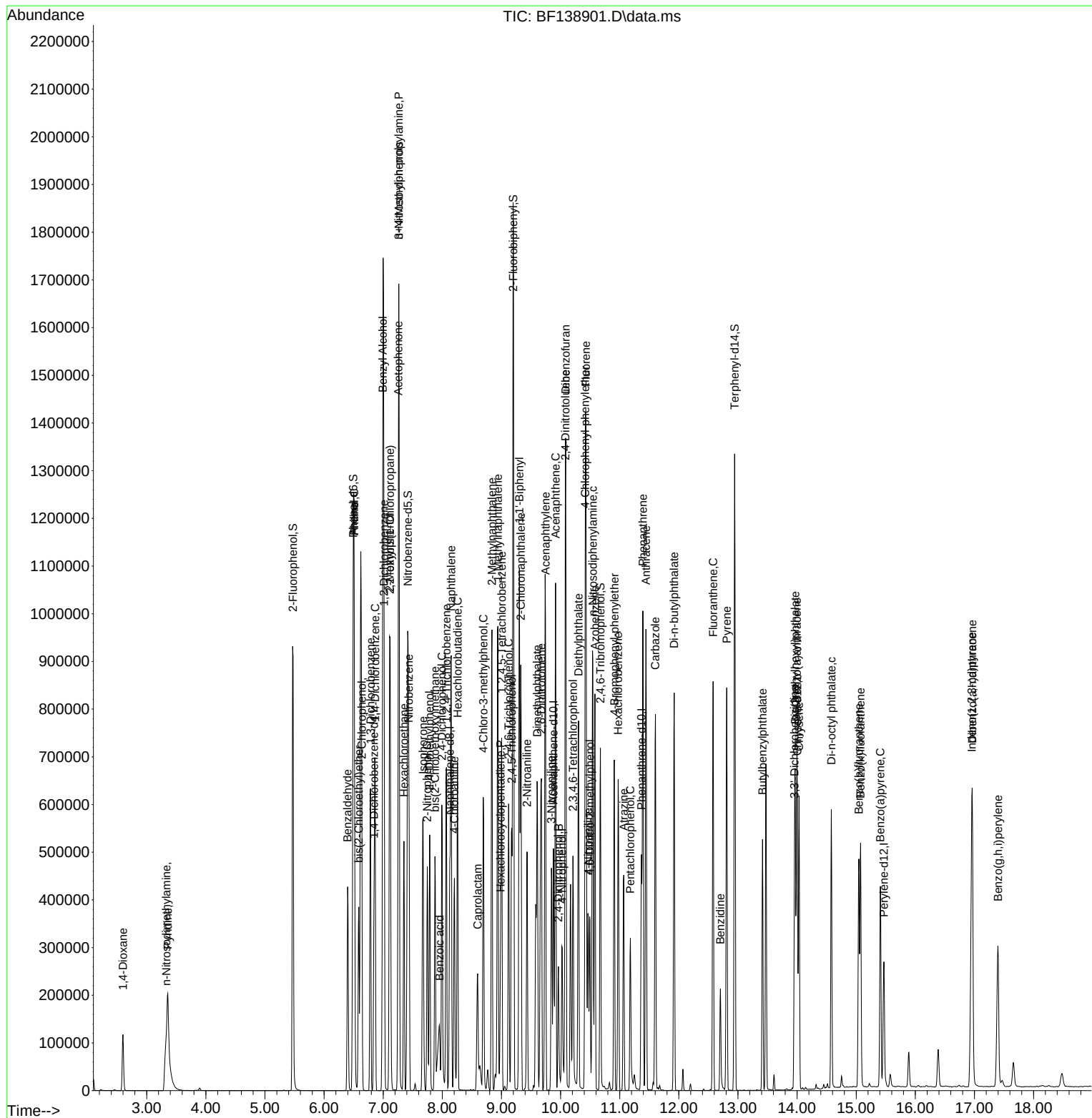
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Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

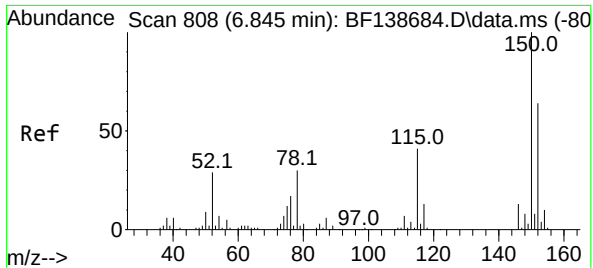
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 12 01:11:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





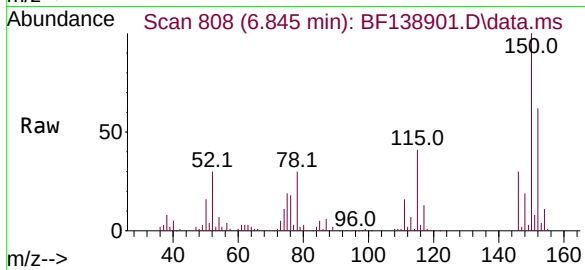
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

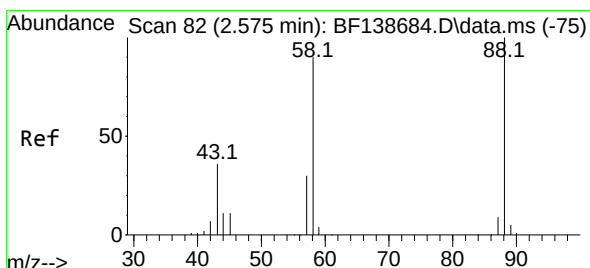
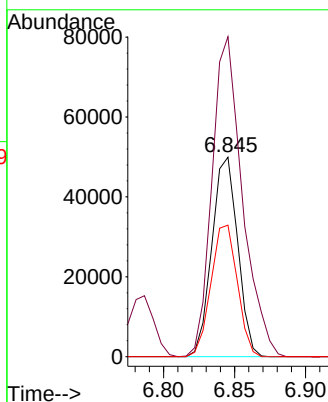
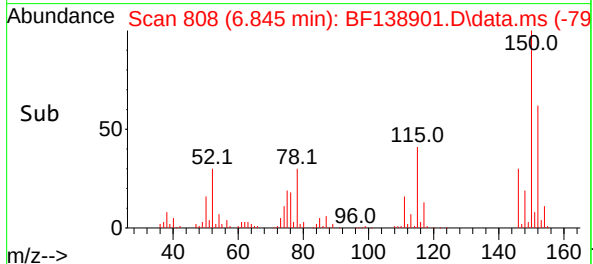


Tgt Ion:152 Resp: 63234
Ion Ratio Lower Upper
152 100
150 160.4 126.0 189.0
115 65.9 51.7 77.5

Manual Integrations

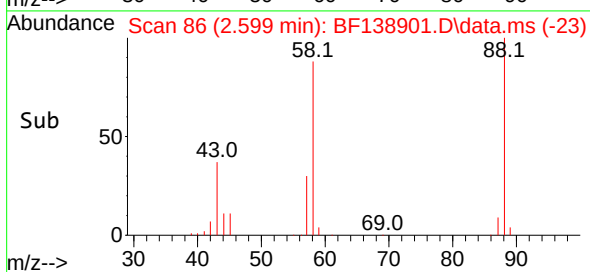
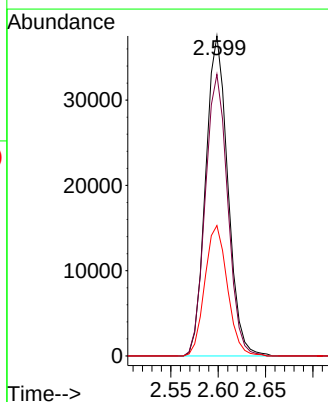
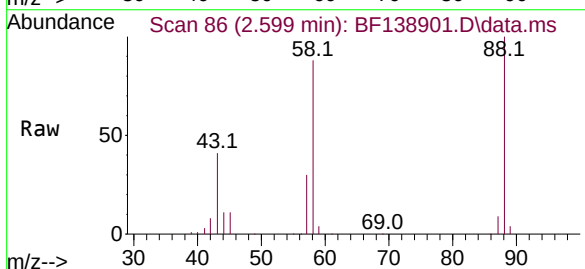
APPROVED

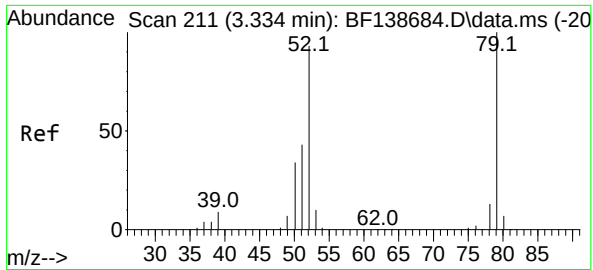
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#2
1,4-Dioxane
Concen: 34.071 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.023 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

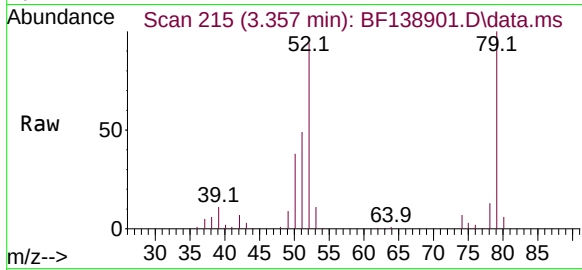
Tgt Ion: 88 Resp: 61103
Ion Ratio Lower Upper
88 100
58 89.1 71.6 107.4
43 41.5 28.7 43.1





#3
Pyridine
Concen: 36.250 ng
RT: 3.357 min Scan# 211
Delta R.T. 0.023 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

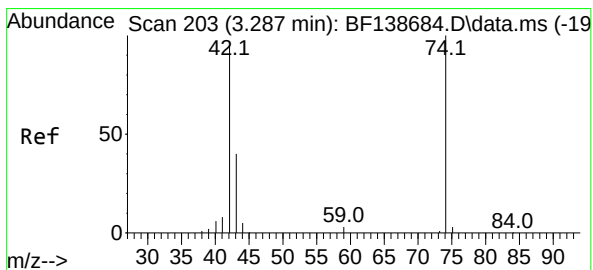
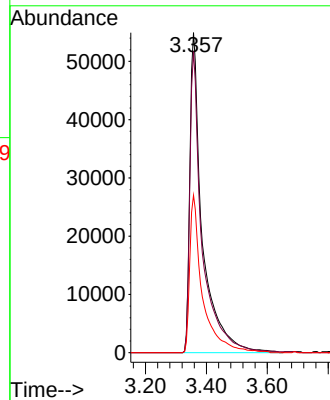
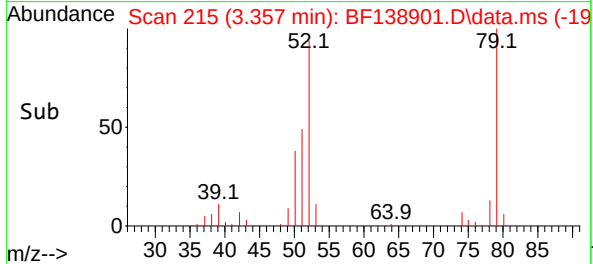
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



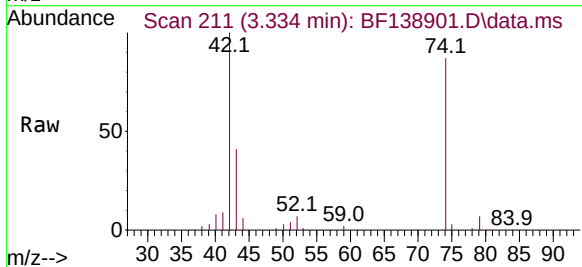
Tgt Ion: 79 Resp: 157484
Ion Ratio Lower Upper
79 100
52 94.0 74.7 112.1
51 49.2 34.6 51.8

Manual Integrations
APPROVED

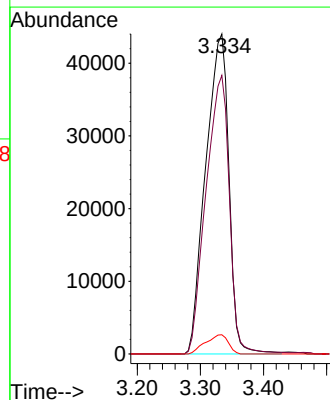
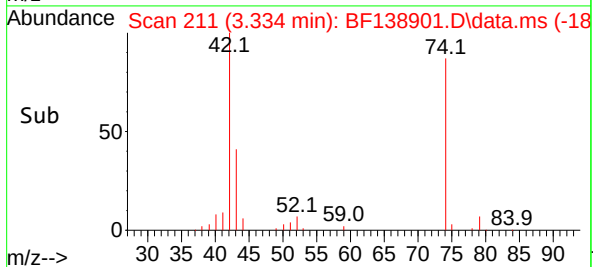
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

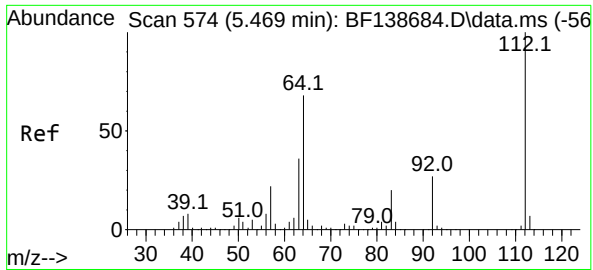


#4
n-Nitrosodimethylamine
Concen: 43.453 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



Tgt Ion: 42 Resp: 112433
Ion Ratio Lower Upper
42 100
74 87.0 84.2 126.4
44 6.0 4.9 7.3





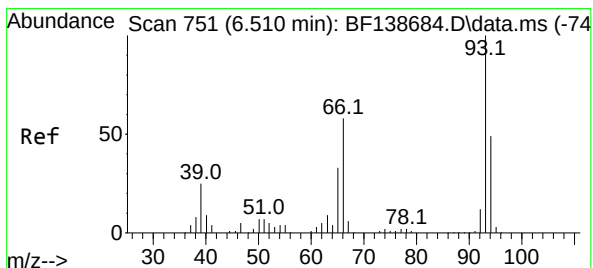
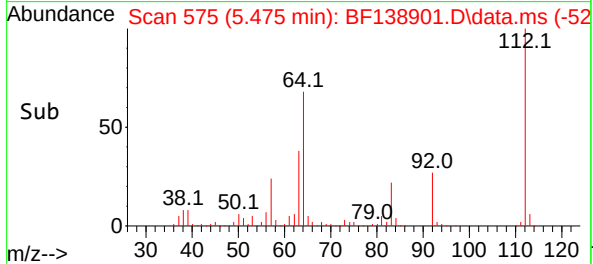
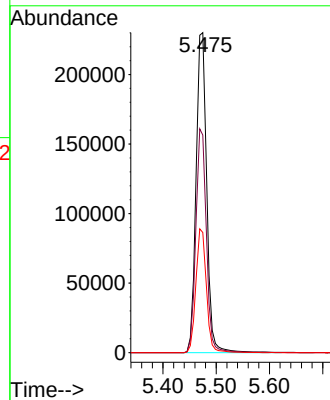
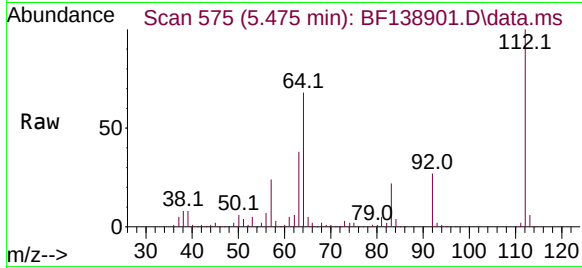
#5
2-Fluorophenol
Concen: 78.231 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 32046
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 37.5 28.7 43.1

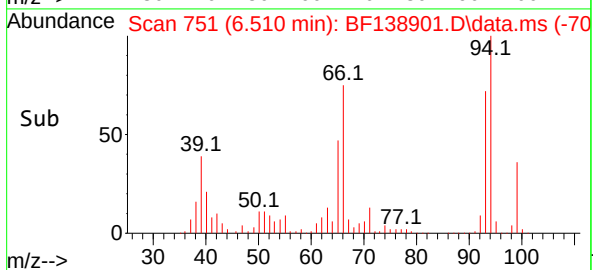
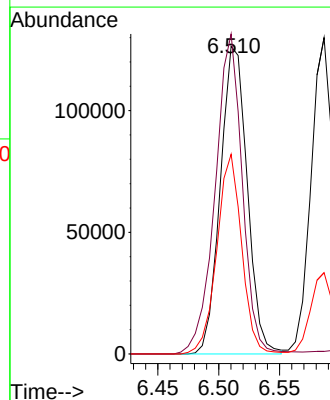
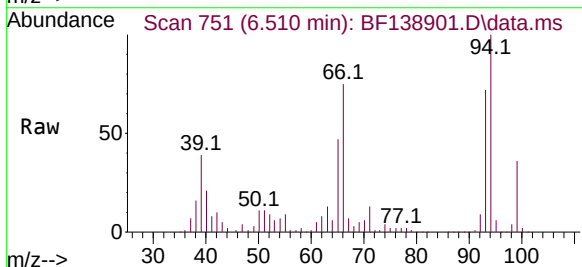
Manual Integrations
APPROVED

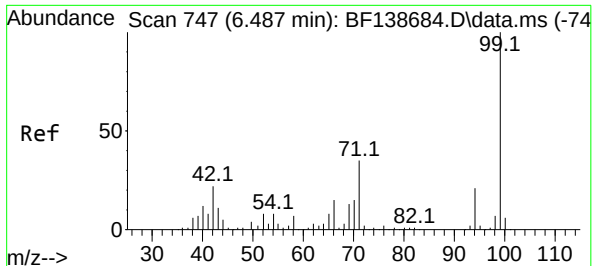
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#6
Aniline
Concen: 39.613 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

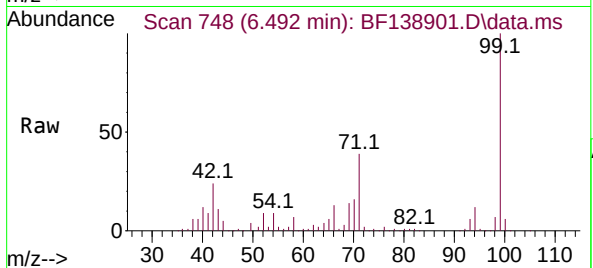
Tgt Ion: 93 Resp: 194296
Ion Ratio Lower Upper
93 100
66 104.0 46.9 70.3#
65 64.9 26.5 39.7#





#7
Phenol-d6
Concen: 79.839 ng
RT: 6.492 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

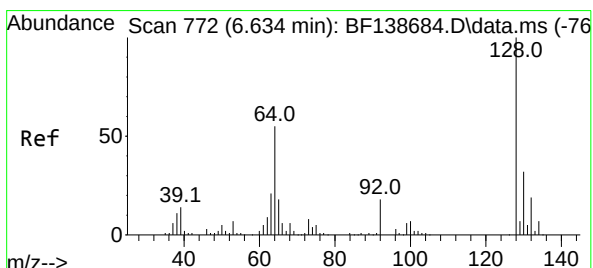
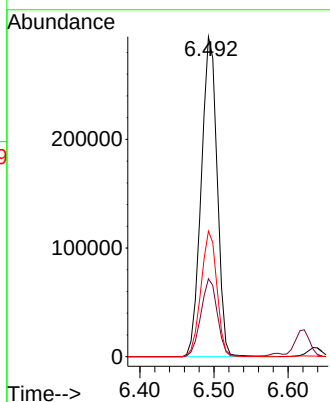
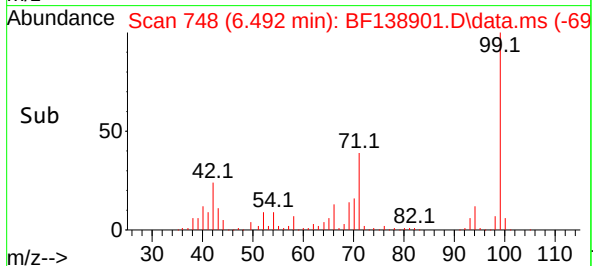
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



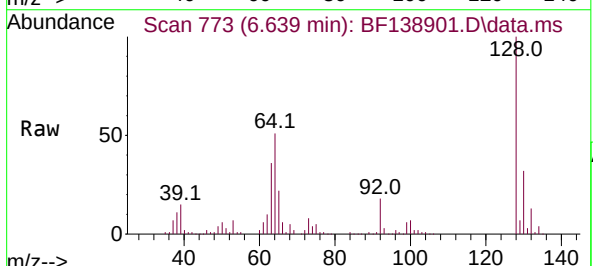
Tgt Ion: 99 Resp: 439099
Ion Ratio Lower Upper
99 100
42 24.3 17.4 26.0
71 39.3 28.1 42.1

Manual Integrations
APPROVED

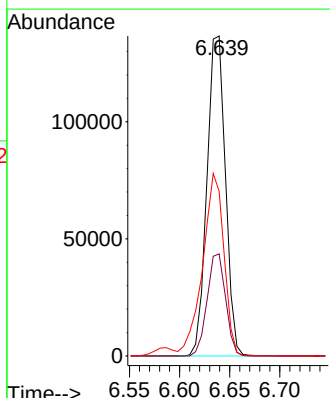
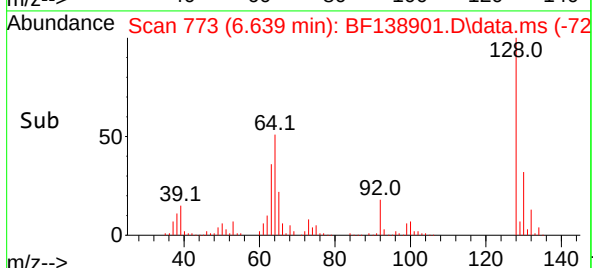
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

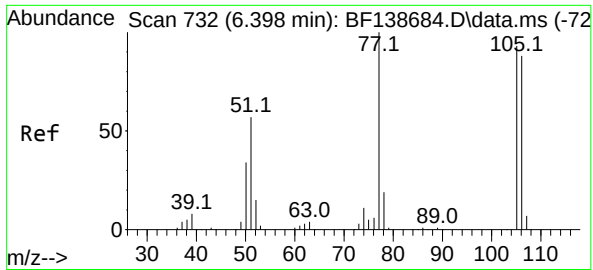


#8
2-Chlorophenol
Concen: 40.753 ng
RT: 6.639 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



Tgt Ion:128 Resp: 175639
Ion Ratio Lower Upper
128 100
130 31.9 12.0 52.0
64 51.4 36.3 76.3





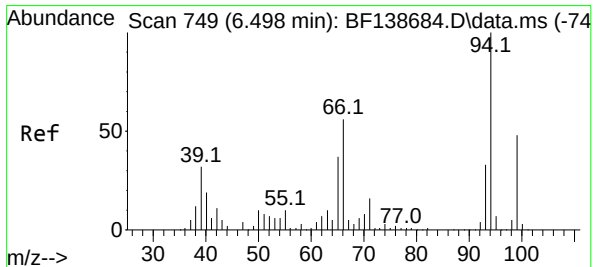
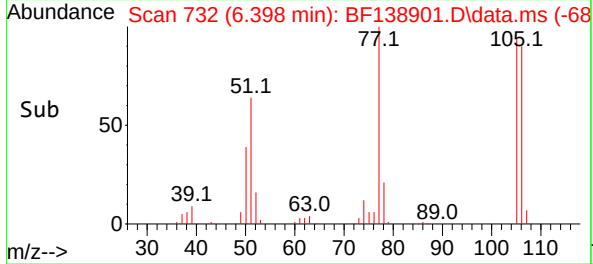
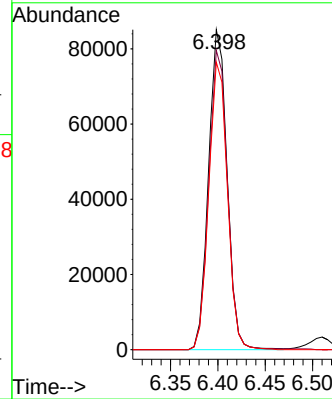
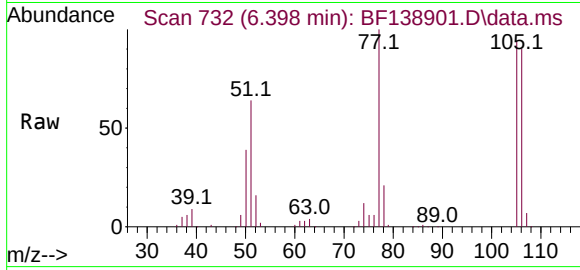
#9
Benzaldehyde
Concen: 35.120 ng
RT: 6.398 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 115780
Ion Ratio Lower Upper
77 100
105 93.5 72.9 112.9
106 89.9 68.4 108.4

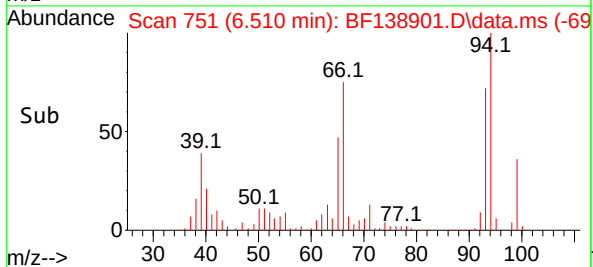
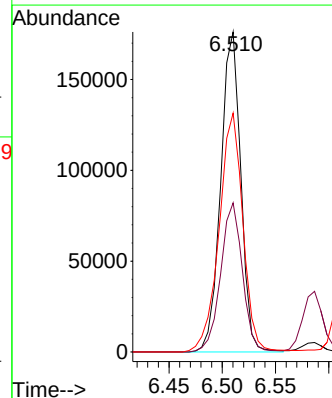
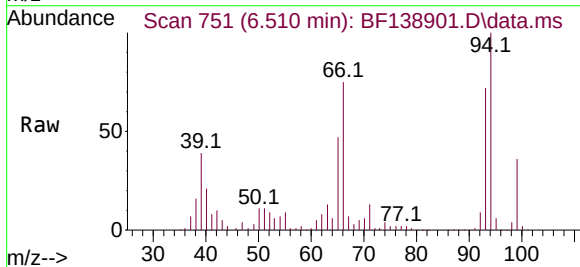
Manual Integrations
APPROVED

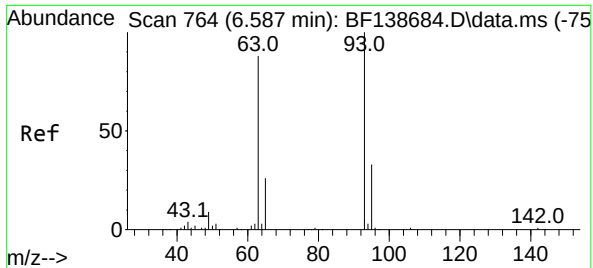
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#10
Phenol
Concen: 39.743 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion: 94 Resp: 230139
Ion Ratio Lower Upper
94 100
65 46.6 16.9 56.9
66 74.6 36.5 76.5





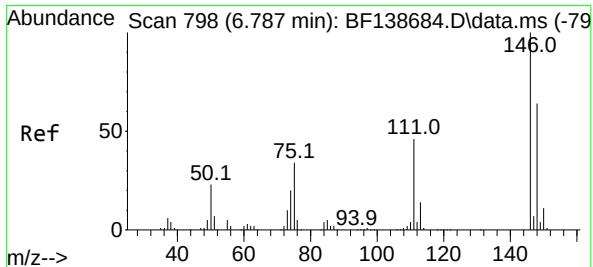
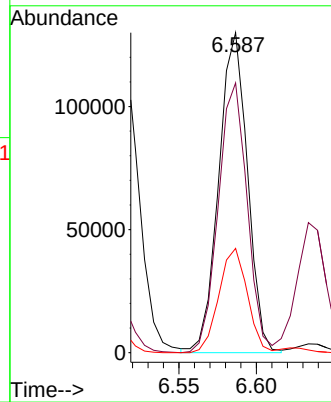
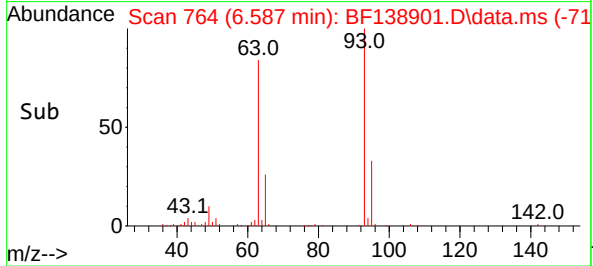
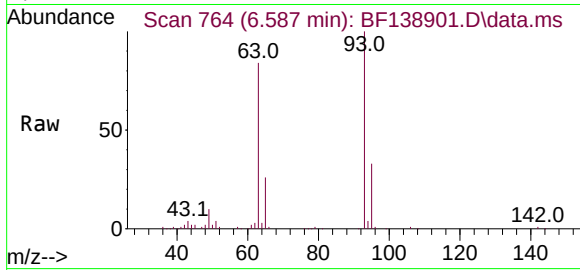
#11
bis(2-Chloroethyl)ether
Concen: 37.658 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 167809
Ion Ratio Lower Upper
93 100
63 84.3 65.3 105.3
95 32.6 12.4 52.4

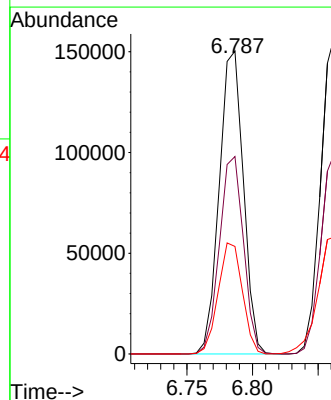
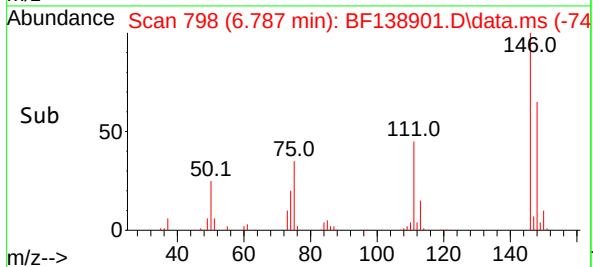
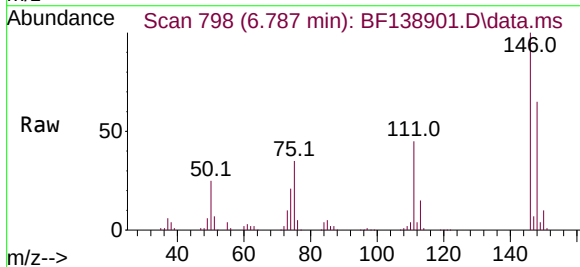
Manual Integrations
APPROVED

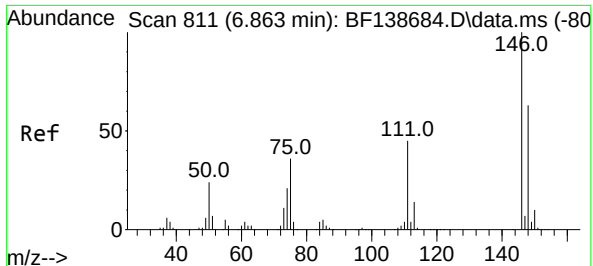
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#12
1,3-Dichlorobenzene
Concen: 39.842 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:146 Resp: 192215
Ion Ratio Lower Upper
146 100
148 65.2 51.2 76.8
75 35.5 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.356 ng

RT: 6.863 min Scan# 811

Delta R.T. -0.000 min

Lab File: BF138901.D

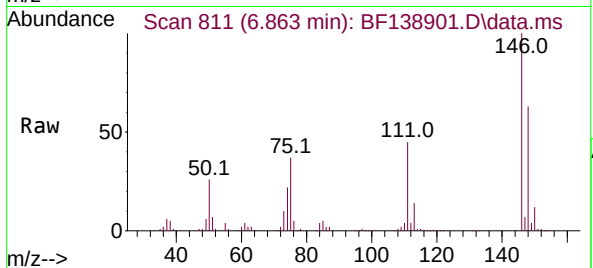
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:146 Resp: 196478

Ion Ratio Lower Upper

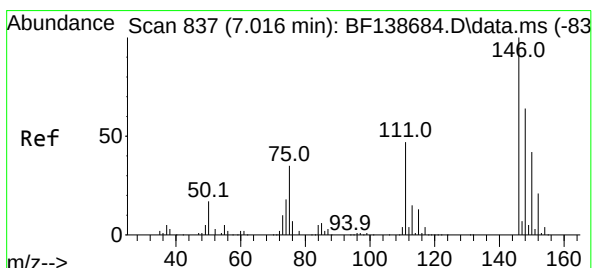
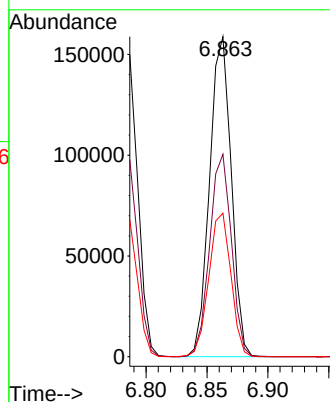
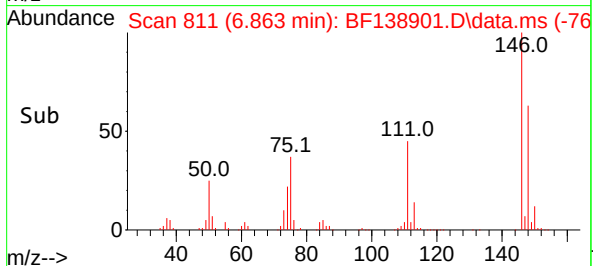
146 100

148 63.2 50.2 75.2

111 44.9 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#14

1,2-Dichlorobenzene

Concen: 41.442 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

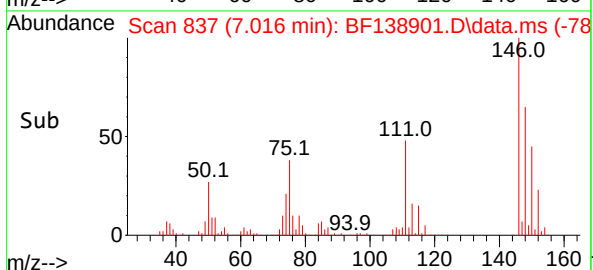
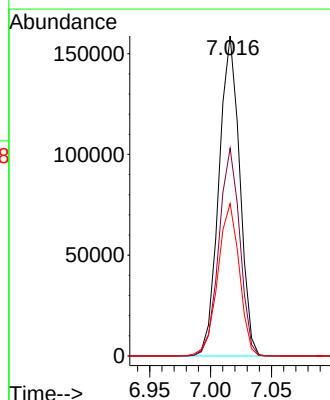
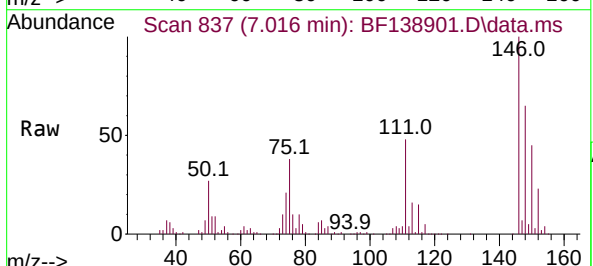
Tgt Ion:146 Resp: 188564

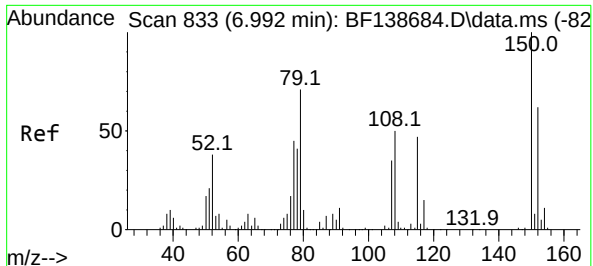
Ion Ratio Lower Upper

146 100

148 64.9 50.8 76.2

111 47.6 37.4 56.2





#15

Benzyl Alcohol

Concen: 43.260 ng

RT: 6.992 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 17148

Ion Ratio Lower Upper

79 100

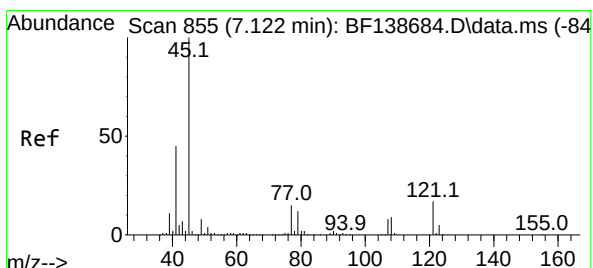
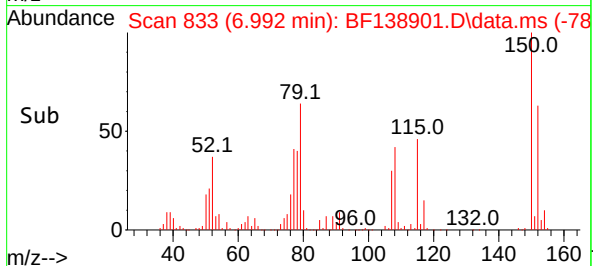
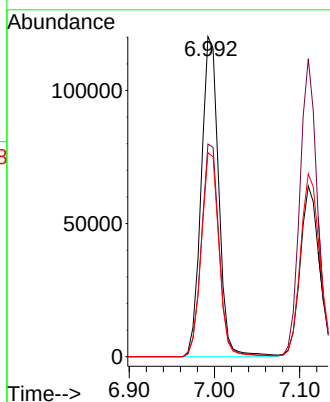
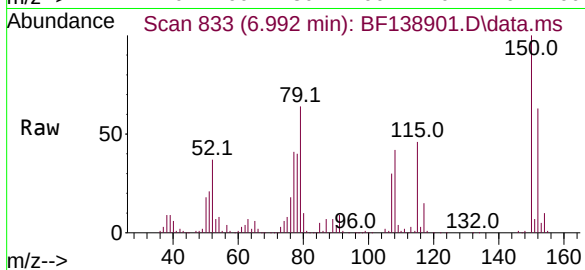
108 66.5 56.6 85.0

77 63.7 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.049 ng

RT: 7.116 min Scan# 854

Delta R.T. -0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

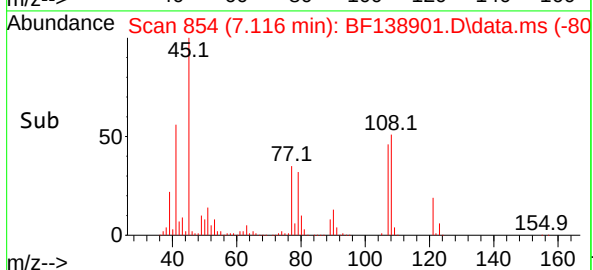
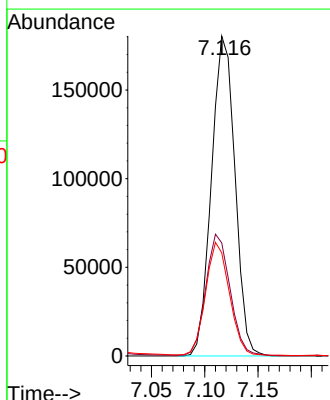
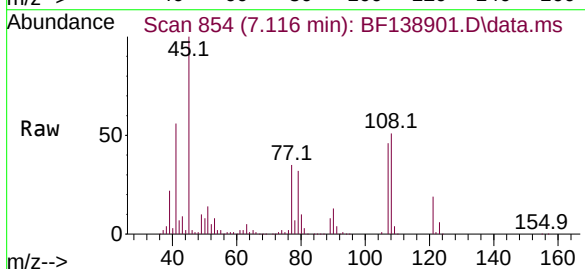
Tgt Ion: 45 Resp: 276455

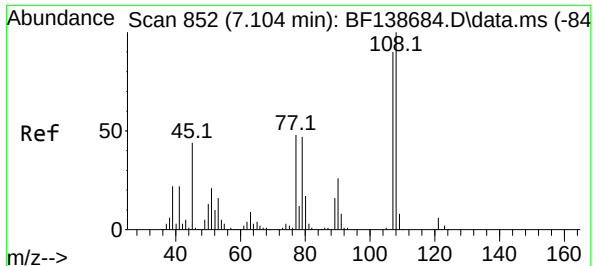
Ion Ratio Lower Upper

45 100

77 35.4 0.0 34.9#

79 32.2 0.0 32.2#





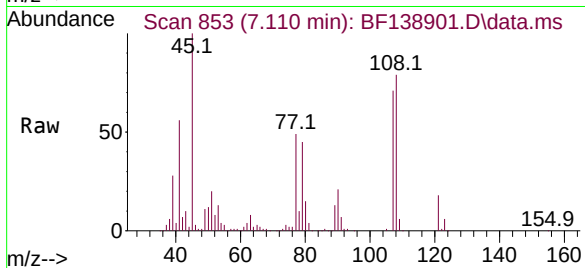
#17
2-Methylphenol
Concen: 40.163 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

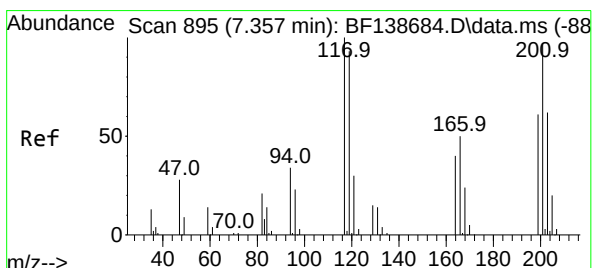
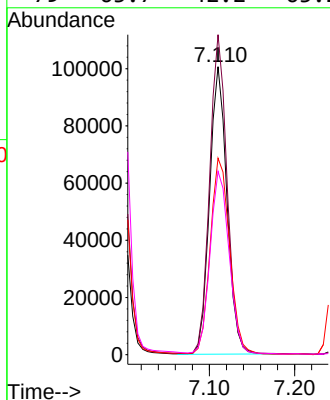
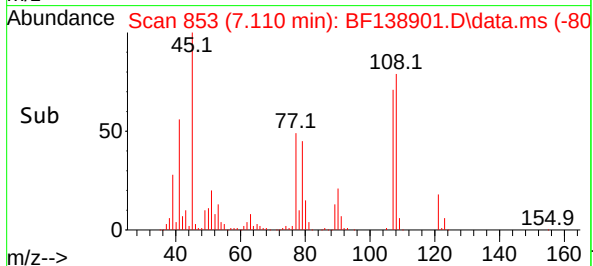


Tgt Ion:107 Resp: 142935
Ion Ratio Lower Upper
107 100
108 111.1 89.2 133.8
77 68.2 43.0 64.4
79 63.7 42.2 63.2#

Manual Integrations

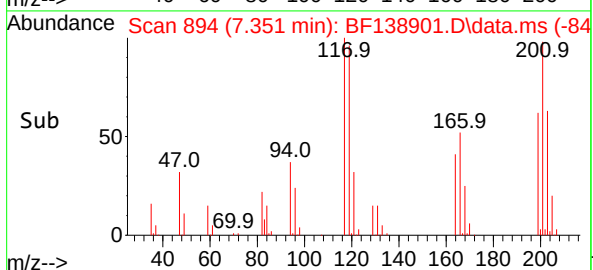
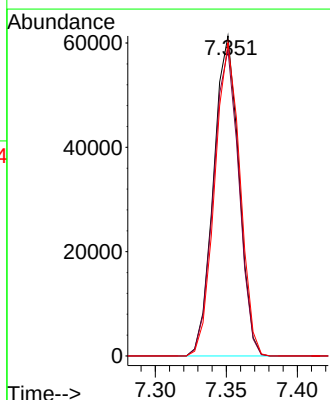
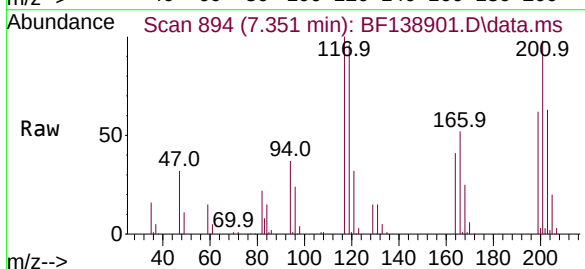
APPROVED

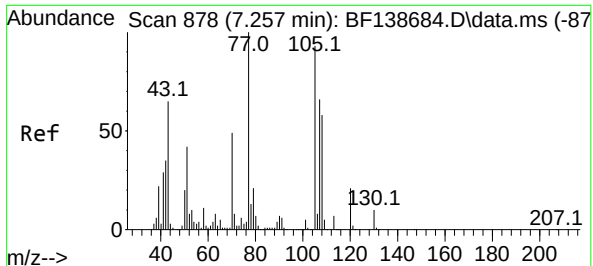
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#18
Hexachloroethane
Concen: 41.486 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:117 Resp: 76031
Ion Ratio Lower Upper
117 100
119 95.8 74.6 111.8
201 97.9 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 42.274 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 140429

Ion Ratio Lower Upper

70 100

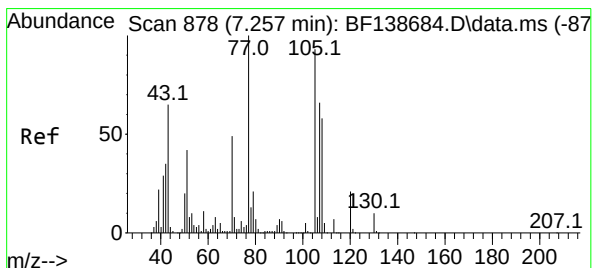
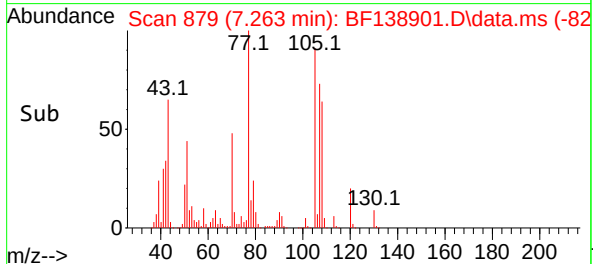
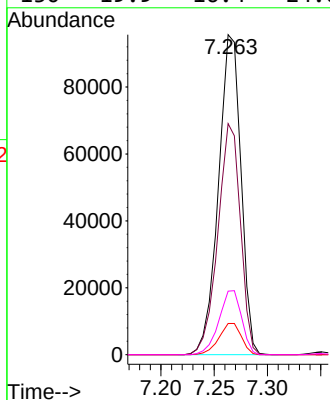
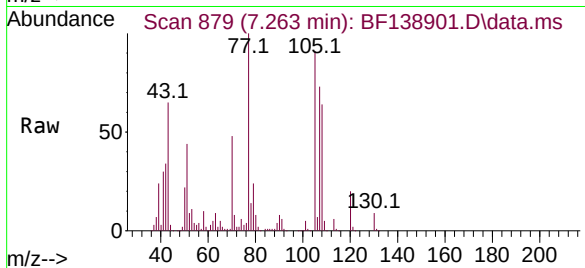
42 72.2 57.4 86.0

101 9.7 7.5 11.3

130 19.9 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#20

3+4-Methylphenols

Concen: 42.440 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Tgt Ion:107 Resp: 193788

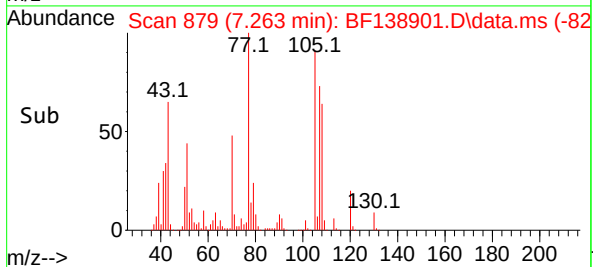
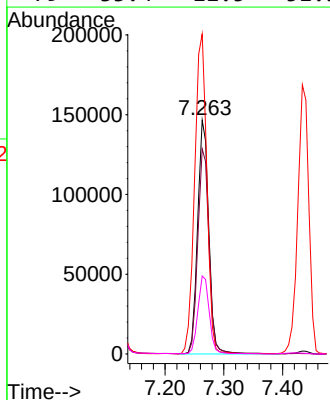
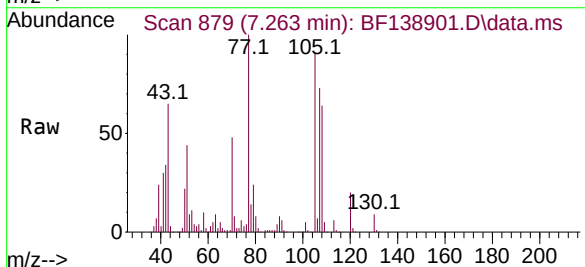
Ion Ratio Lower Upper

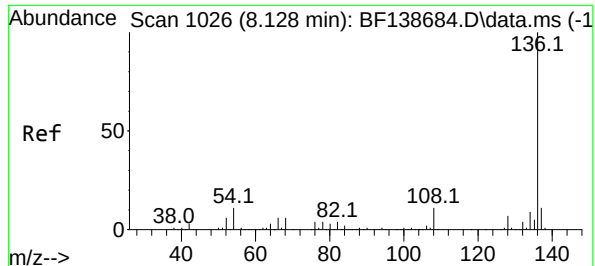
107 100

108 87.8 68.2 108.2

77 136.9 132.1 172.1

79 33.4 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF138901.D

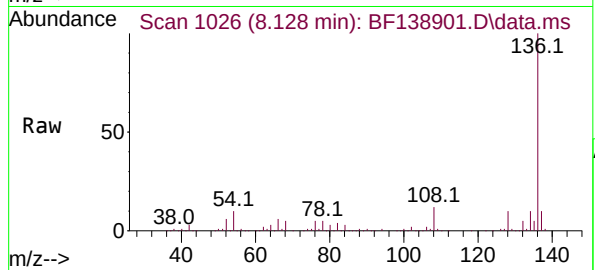
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 25854

Ion Ratio Lower Upper

136 100

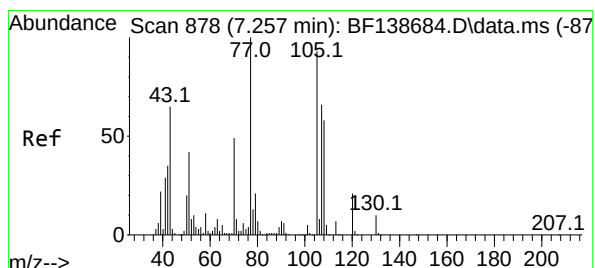
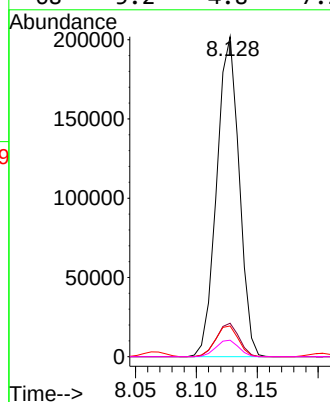
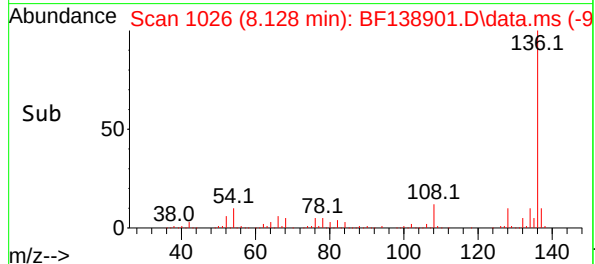
137 10.4 8.9 13.3

54 9.6 8.6 12.8

68 5.2 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#22

Acetophenone

Concen: 41.744 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Tgt Ion:105 Resp: 264253

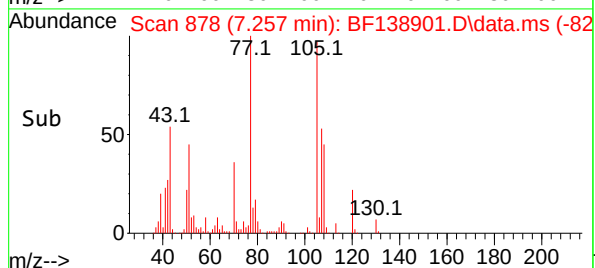
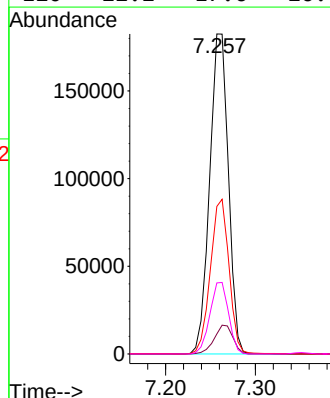
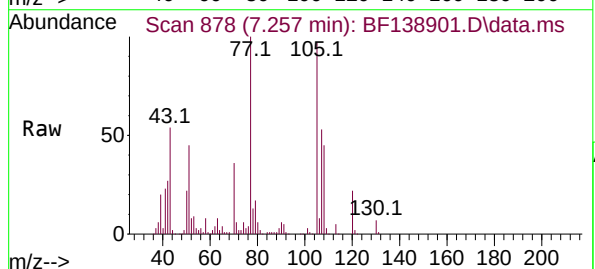
Ion Ratio Lower Upper

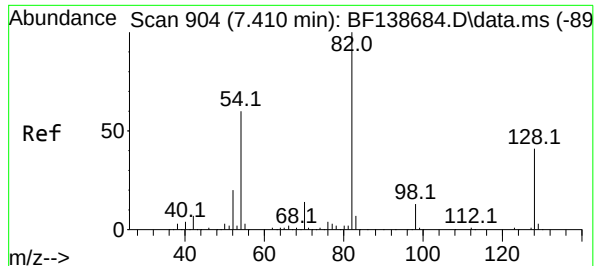
105 100

71 6.3 7.2 10.8

51 46.1 35.9 53.9

120 22.2 17.6 26.4





#23

Nitrobenzene-d5

Concen: 83.191 ng

RT: 7.416 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 439920

Ion Ratio Lower Upper

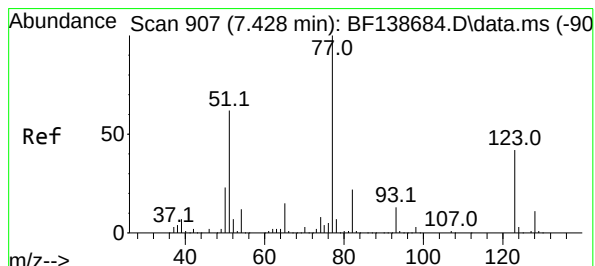
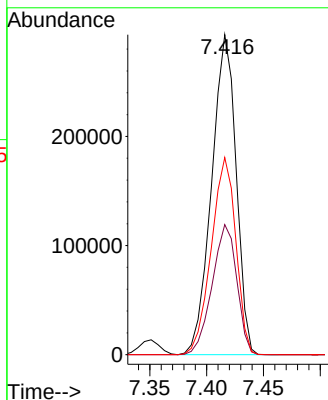
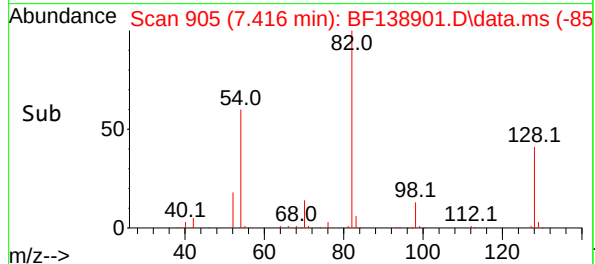
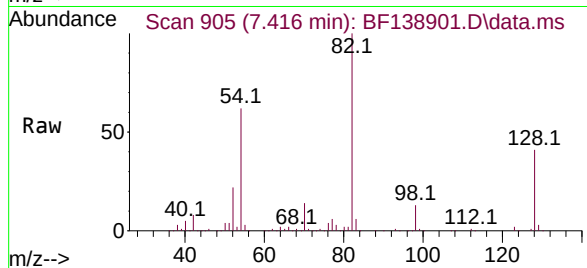
82 100

128 40.7 32.8 49.2

54 61.6 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#24

Nitrobenzene

Concen: 40.822 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

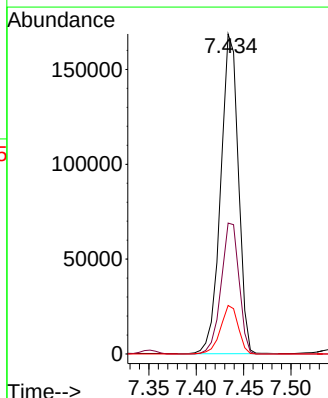
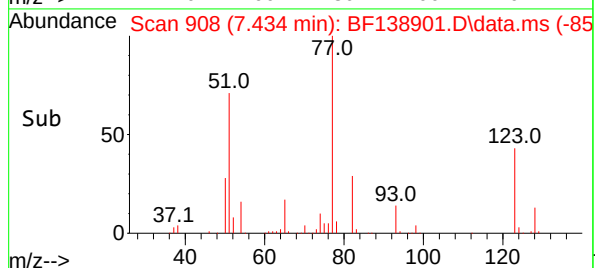
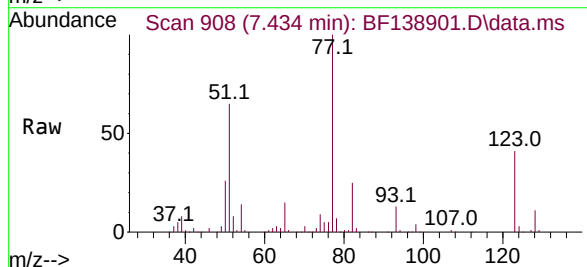
Tgt Ion: 77 Resp: 219665

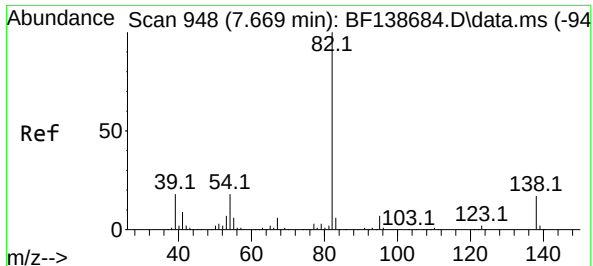
Ion Ratio Lower Upper

77 100

123 40.9 33.3 49.9

65 15.1 11.9 17.9





#25

Isophorone

Concen: 40.211 ng

RT: 7.675 min Scan# 948

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

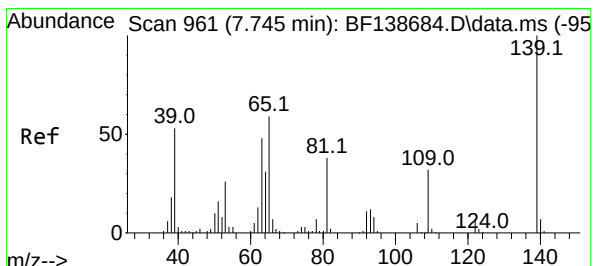
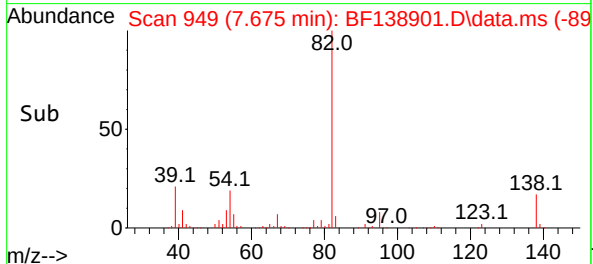
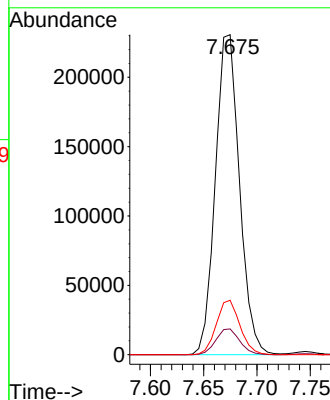
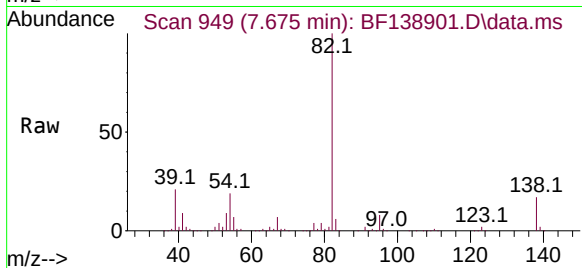
Tgt Ion: 82 Resp: 363094

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.7	8.5
138	17.0	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#26

2-Nitrophenol

Concen: 41.134 ng

RT: 7.745 min Scan# 961

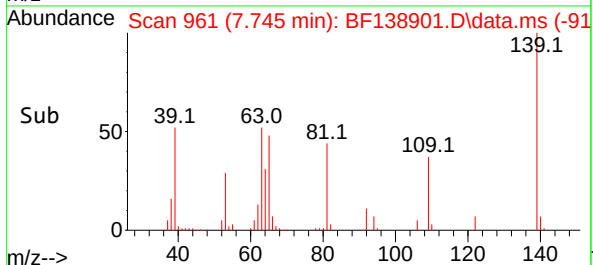
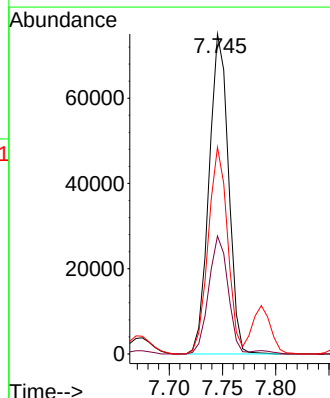
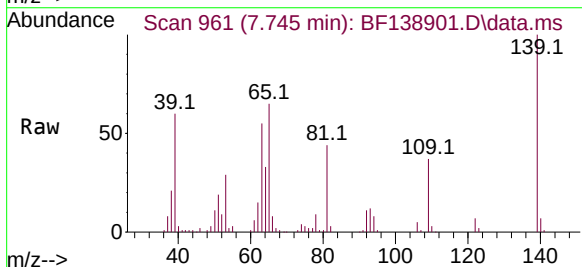
Delta R.T. -0.000 min

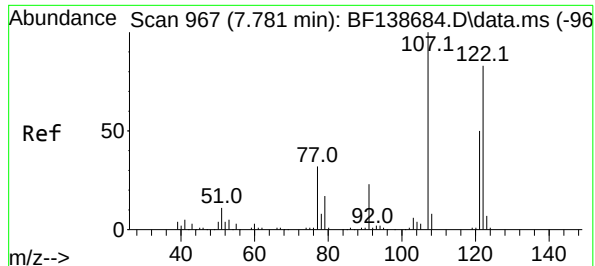
Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Tgt Ion:139 Resp: 95229

Ion	Ratio	Lower	Upper
139	100		
109	36.9	25.9	38.9
65	64.6	47.0	70.6





#27

2,4-Dimethylphenol

Concen: 40.261 ng

RT: 7.786 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 111520

Ion Ratio Lower Upper

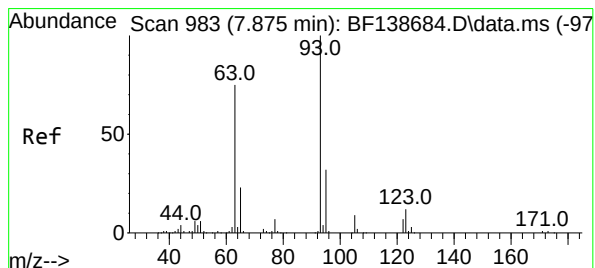
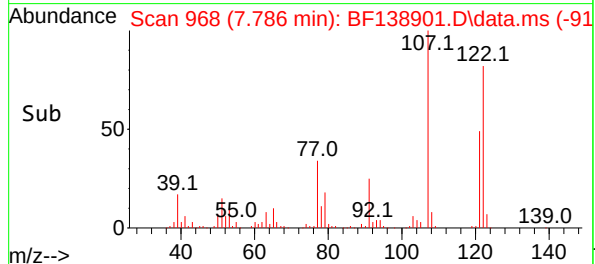
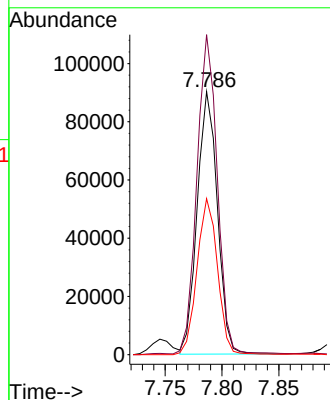
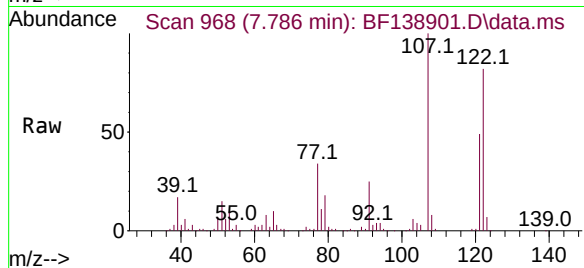
122 100

107 121.6 95.0 142.6

121 59.3 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#28

bis(2-Chloroethoxy)methane

Concen: 39.163 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

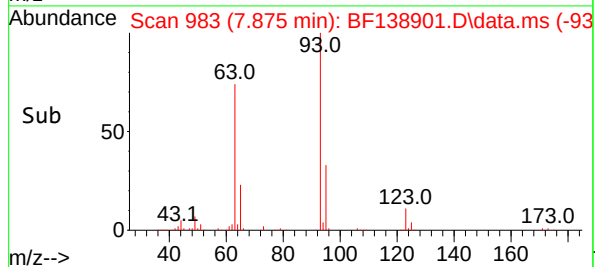
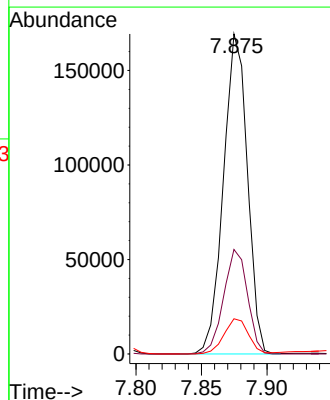
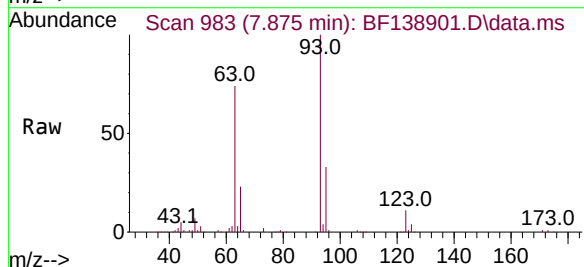
Tgt Ion: 93 Resp: 215348

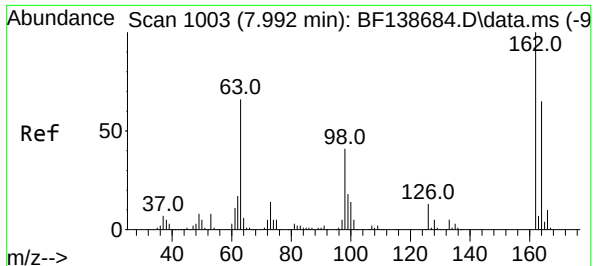
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.8

123 11.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 41.631 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 14817

Ion Ratio Lower Upper

162 100

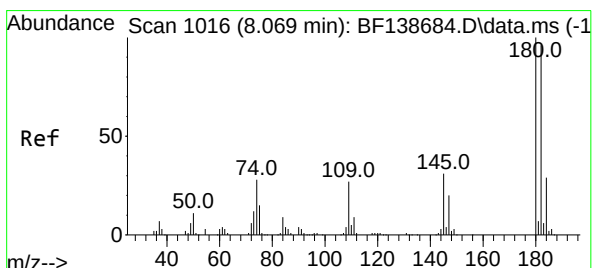
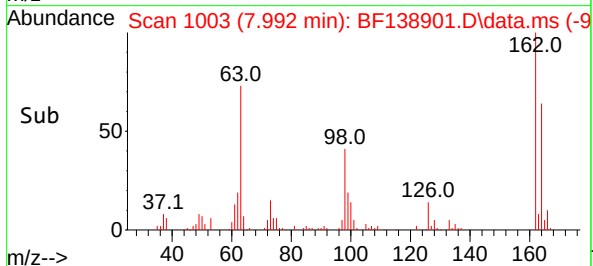
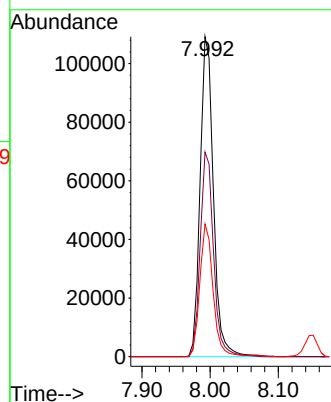
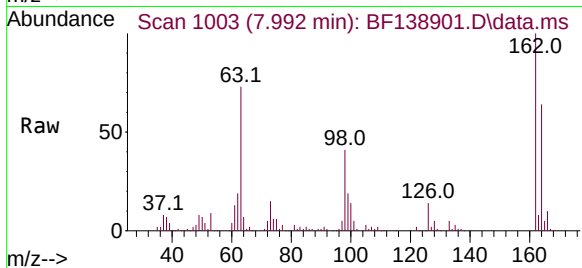
164 64.0 44.7 84.7

98 41.5 20.8 60.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#30

1,2,4-Trichlorobenzene

Concen: 41.335 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

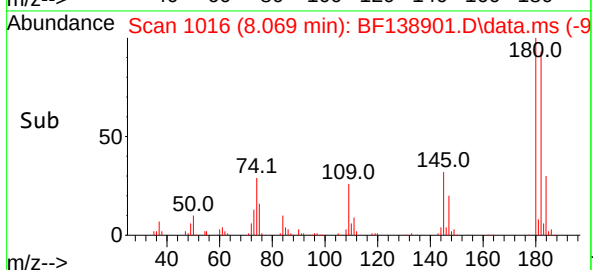
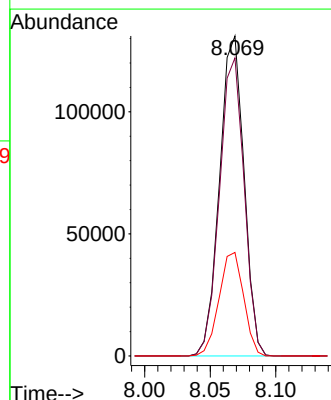
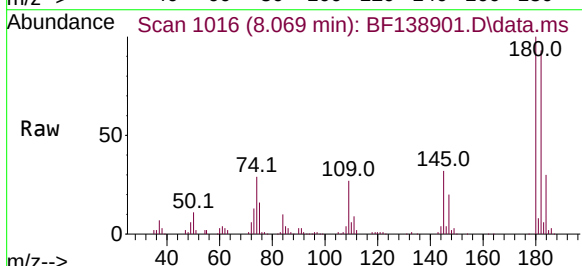
Tgt Ion:180 Resp: 169785

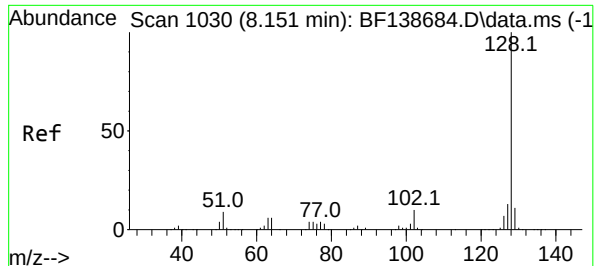
Ion Ratio Lower Upper

180 100

182 93.2 76.9 115.3

145 32.4 25.0 37.4





#31

Naphthalene

Concen: 40.229 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 547469

Ion Ratio Lower Upper

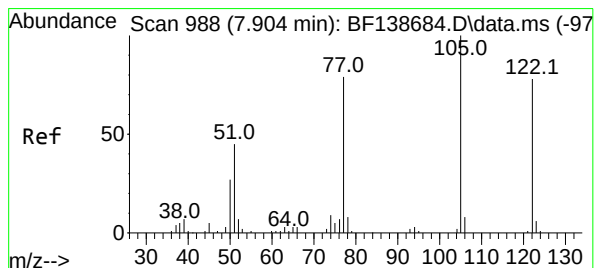
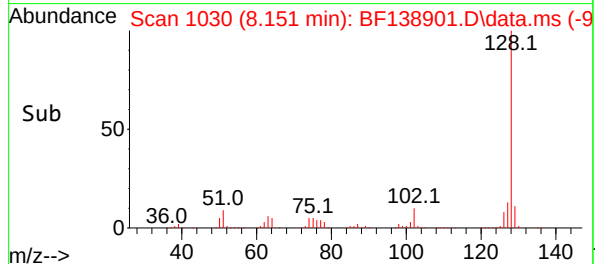
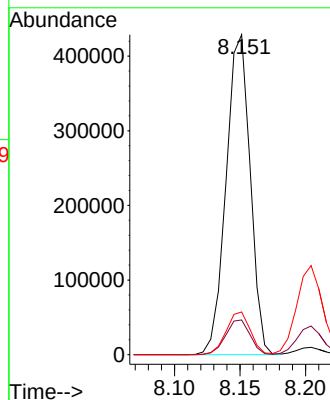
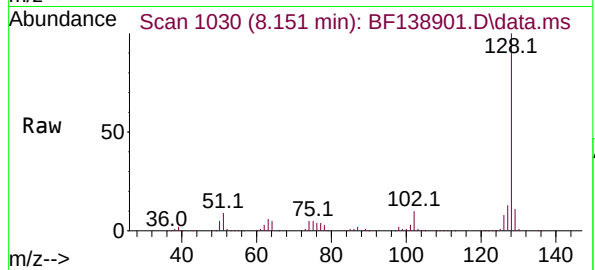
128 100

129 10.8 8.7 13.1

127 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#32

Benzoic acid

Concen: 33.892 ng

RT: 7.951 min Scan# 996

Delta R.T. 0.047 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

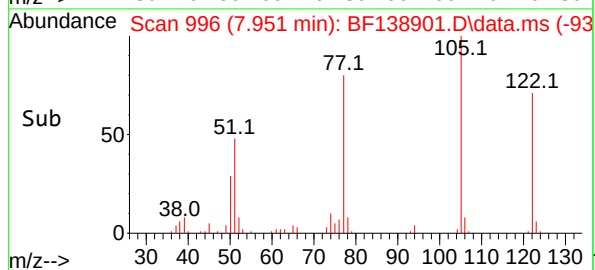
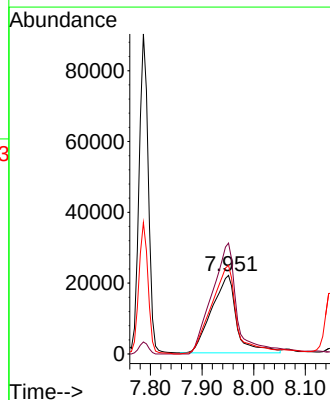
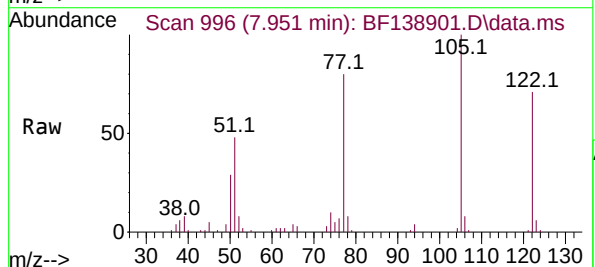
Tgt Ion:122 Resp: 73794

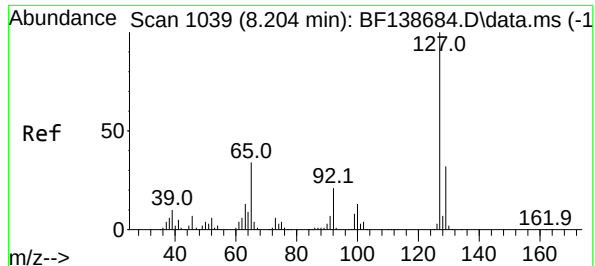
Ion Ratio Lower Upper

122 100

105 141.4 106.7 146.7

77 113.0 81.1 121.1





#33
4-Chloroaniline
Concen: 36.967 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

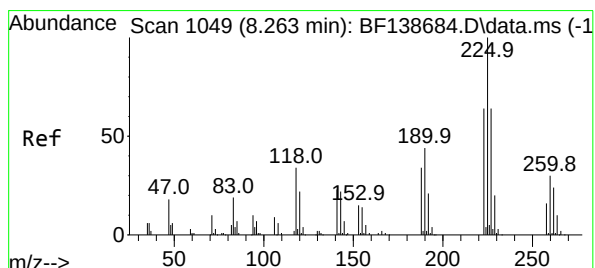
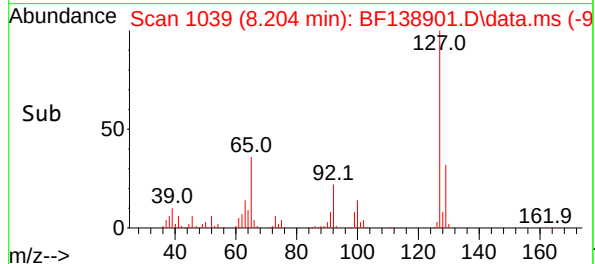
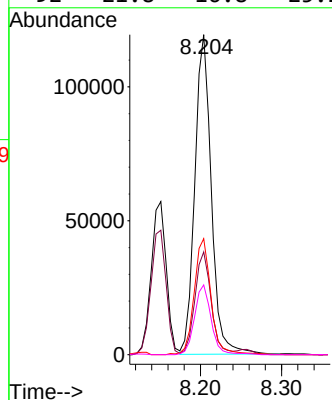
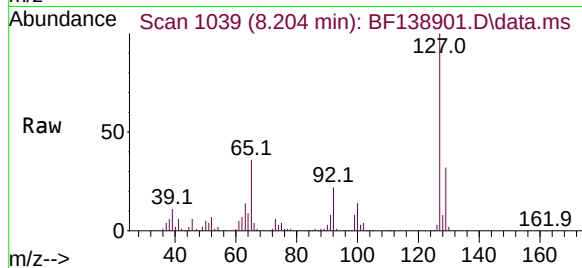
SSTDCCC040

Tgt Ion:127 Resp: 16887
Ion Ratio Lower Upper
127 100
129 32.1 25.9 38.9
65 36.2 27.6 41.4
92 21.8 16.8 25.2

Manual Integrations

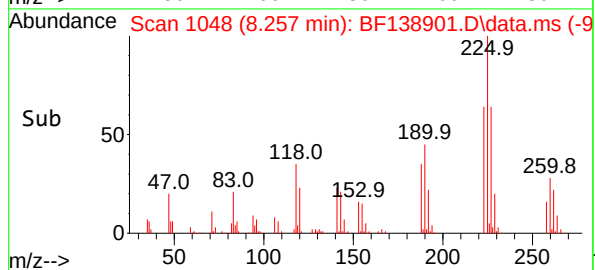
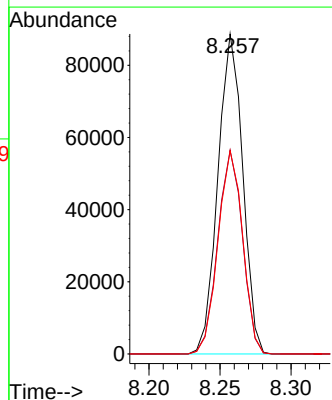
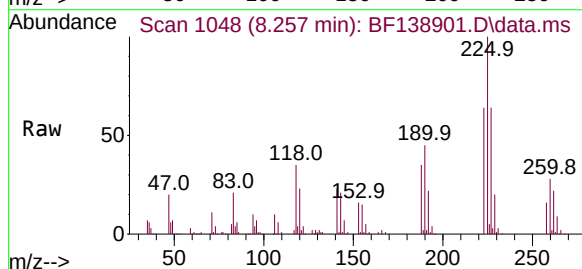
APPROVED

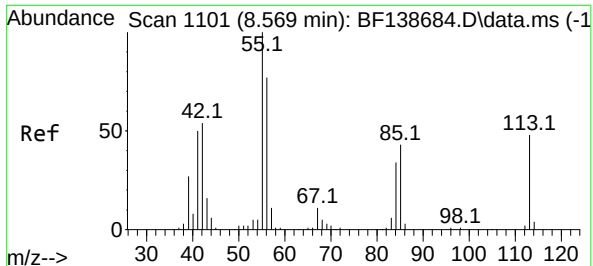
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#34
Hexachlorobutadiene
Concen: 43.255 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:225 Resp: 107615
Ion Ratio Lower Upper
225 100
223 63.7 51.2 76.8
227 63.5 51.1 76.7





#35

Caprolactam

Concen: 42.813 ng m

RT: 8.598 min Scan# 1106

Delta R.T. 0.029 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 45469

Ion Ratio Lower Upper

113 100

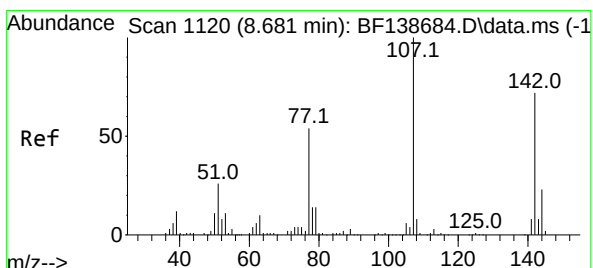
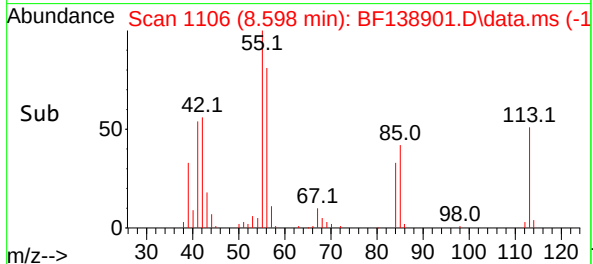
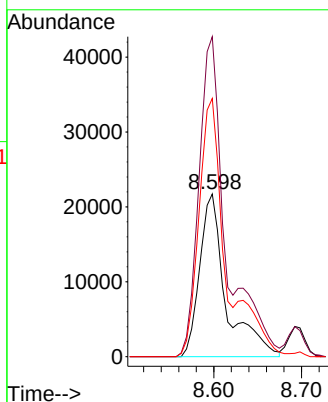
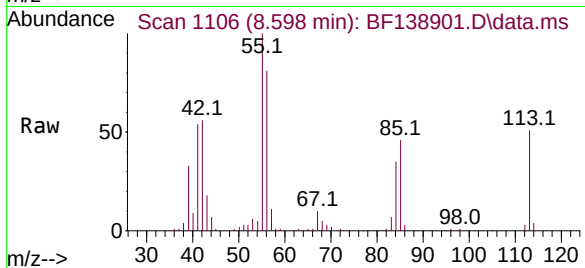
55 196.6 186.7 226.7

56 158.6 138.9 178.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#36

4-Chloro-3-methylphenol

Concen: 42.827 ng

RT: 8.692 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

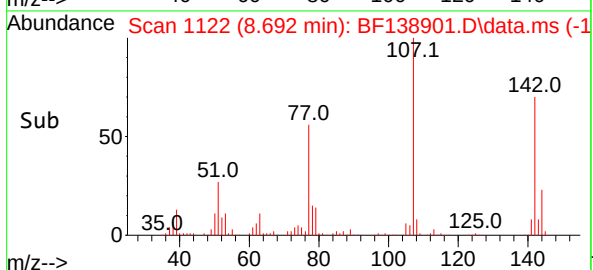
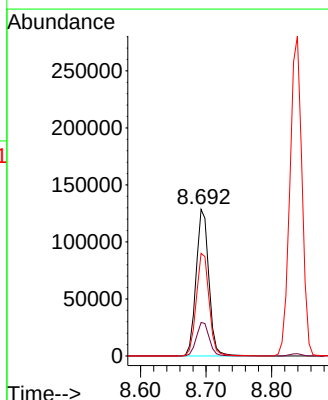
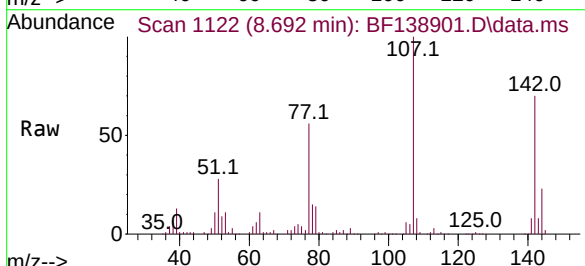
Tgt Ion:107 Resp: 174210

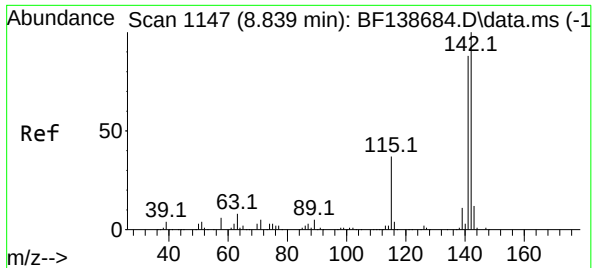
Ion Ratio Lower Upper

107 100

144 22.8 18.2 27.2

142 69.9 57.4 86.2





#37
2-Methylnaphthalene
Concen: 41.582 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

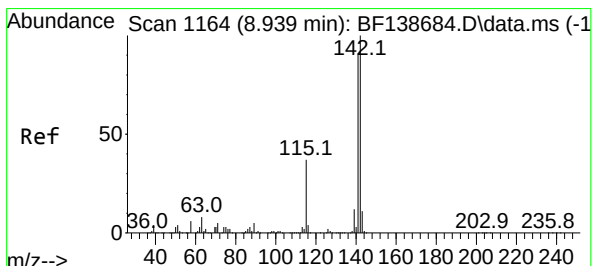
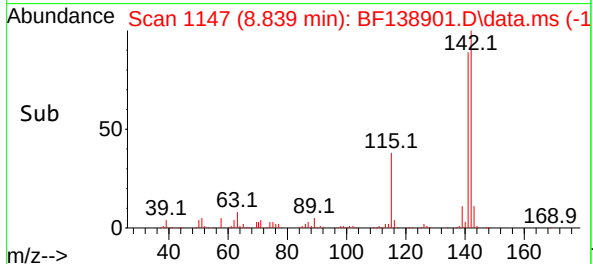
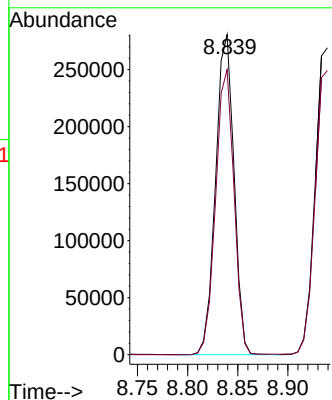
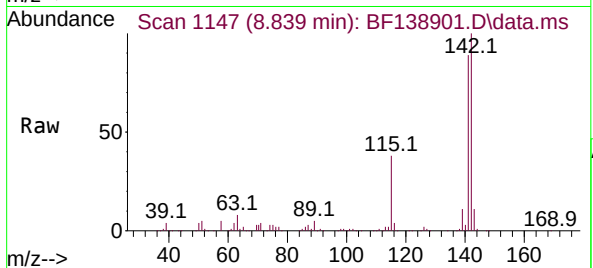
SSTDCCC040

Tgt Ion:142 Resp: 357380
Ion Ratio Lower Upper
142 100
141 89.0 70.8 106.2

Manual Integrations

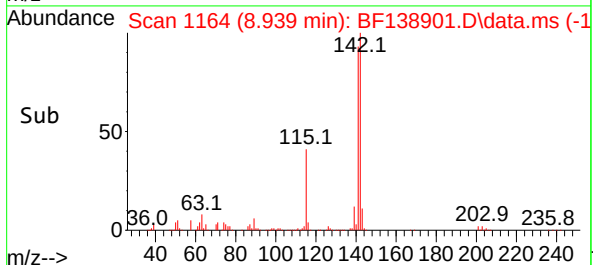
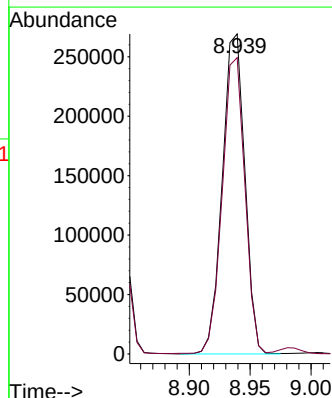
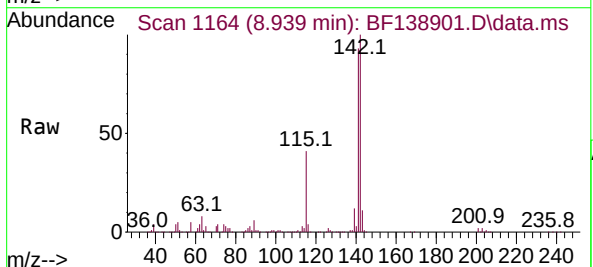
APPROVED

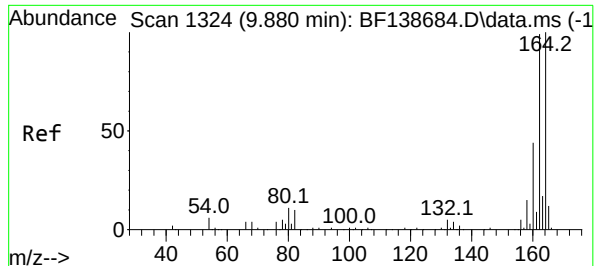
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#38
1-Methylnaphthalene
Concen: 41.263 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:142 Resp: 347514
Ion Ratio Lower Upper
142 100
141 92.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138901.D

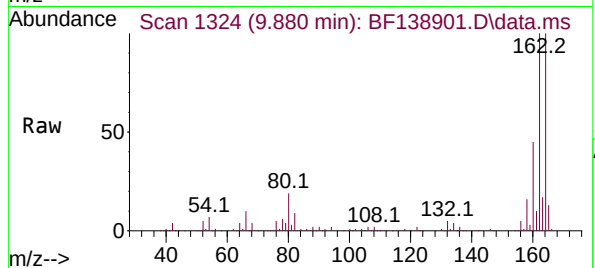
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 14626

Ion Ratio Lower Upper

164 100

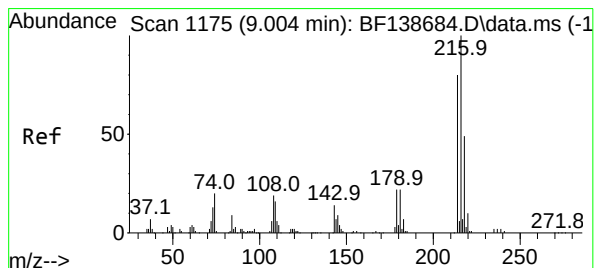
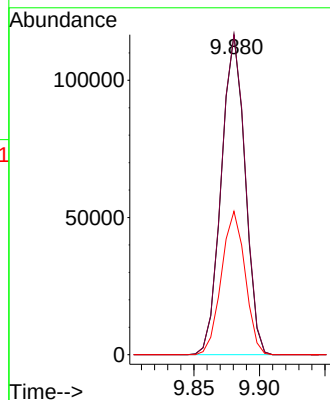
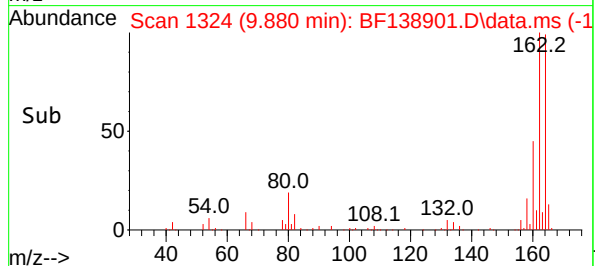
162 100.1 79.4 119.0

160 44.9 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#40

1,2,4,5-Tetrachlorobenzene

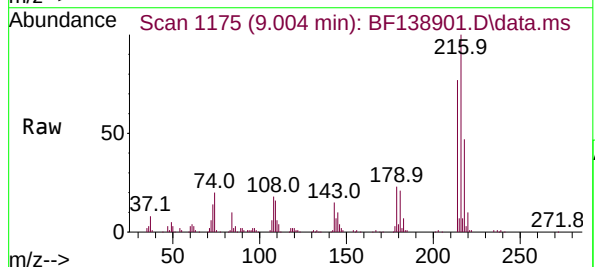
Concen: 41.018 ng

RT: 9.004 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41



Tgt Ion:216 Resp: 166654

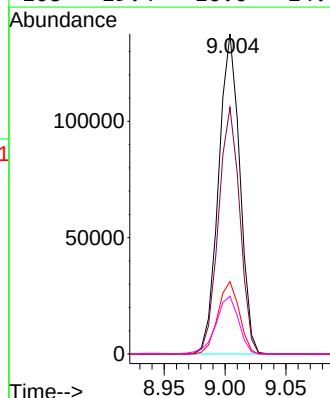
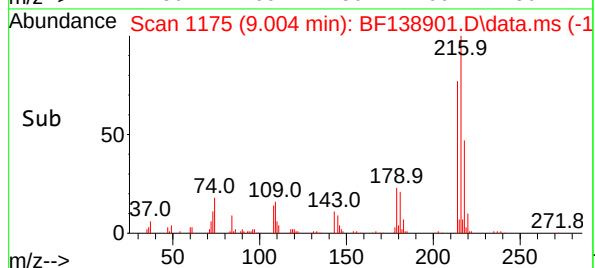
Ion Ratio Lower Upper

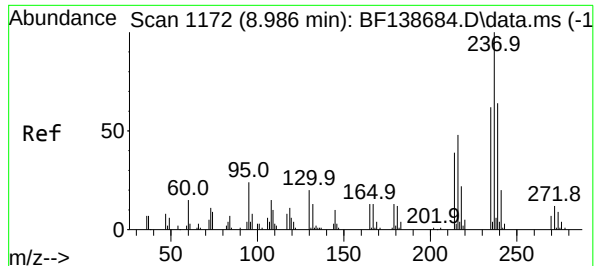
216 100

214 77.4 63.9 95.9

179 22.8 17.8 26.6

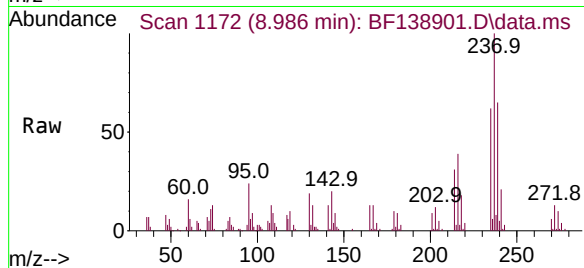
108 19.4 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 47.645 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

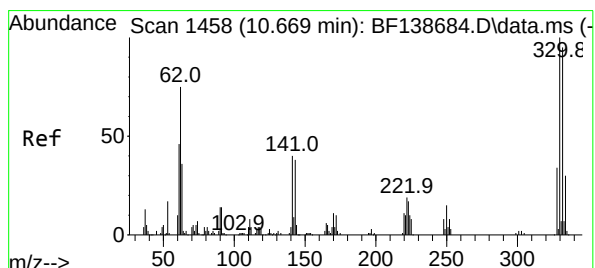
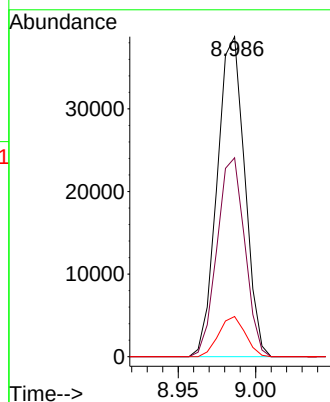
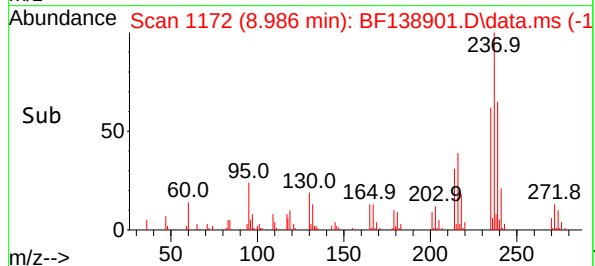
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



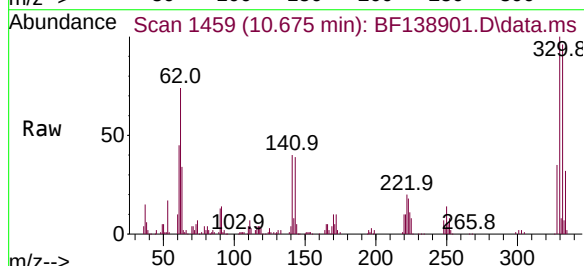
Tgt Ion: 237 Resp: 47919
Ion Ratio Lower Upper
237 100
235 62.2 41.8 81.8
272 12.5 0.0 32.2

Manual Integrations
APPROVED

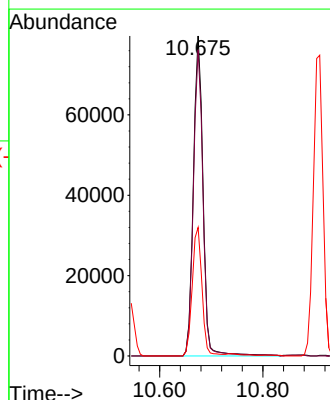
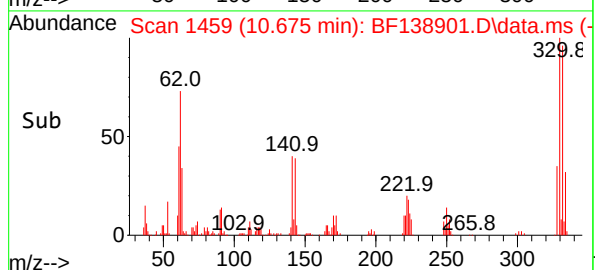
Reviewed By : Jagrut Upadhyay 08/12/2024
Supervised By : mohammad ahmed 08/13/2024

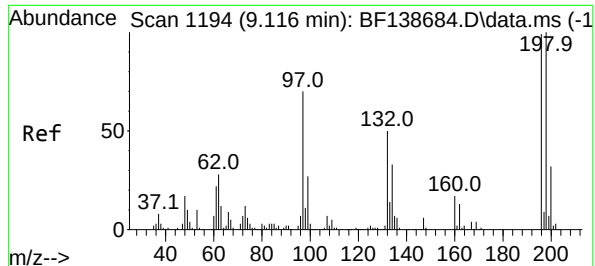


#42
2,4,6-Tribromophenol
Concen: 86.555 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



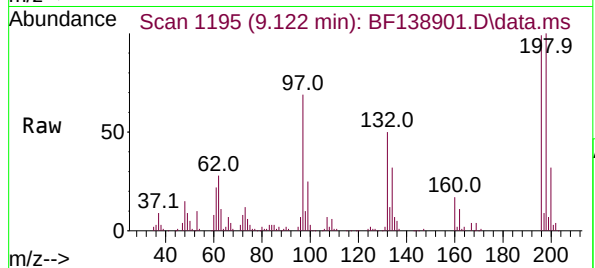
Tgt Ion: 330 Resp: 103699
Ion Ratio Lower Upper
330 100
332 94.8 76.4 114.6
141 40.4 31.1 46.7





#43
2,4,6-Trichlorophenol
Concen: 39.746 ng
RT: 9.122 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

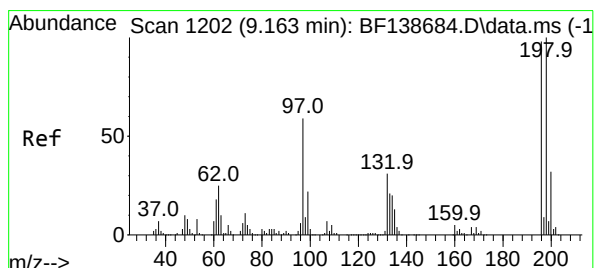
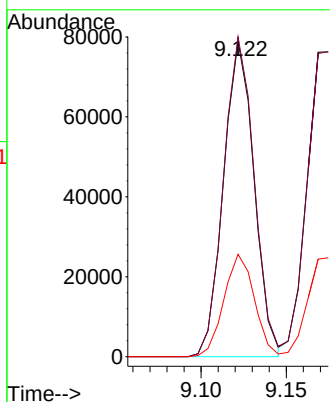
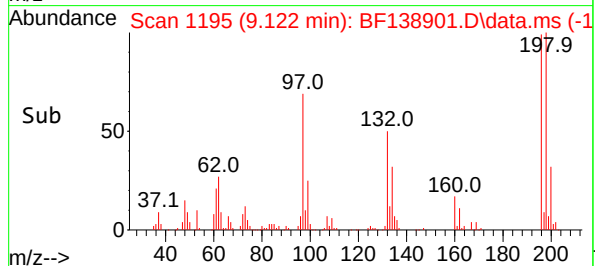
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



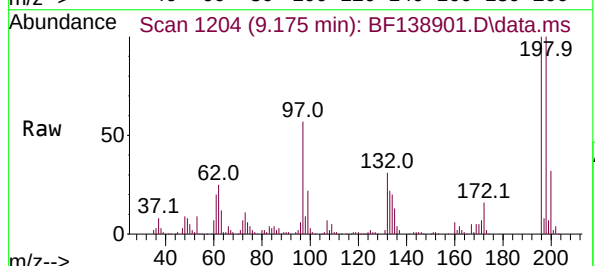
Tgt Ion:196 Resp: 9846
Ion Ratio Lower Upper
196 100
198 101.4 80.5 120.7
200 32.4 25.9 38.9

Manual Integrations
APPROVED

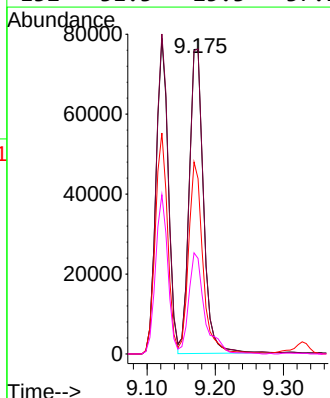
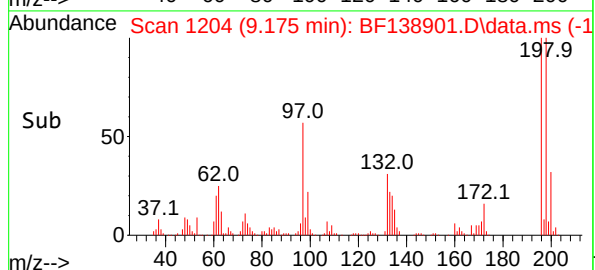
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

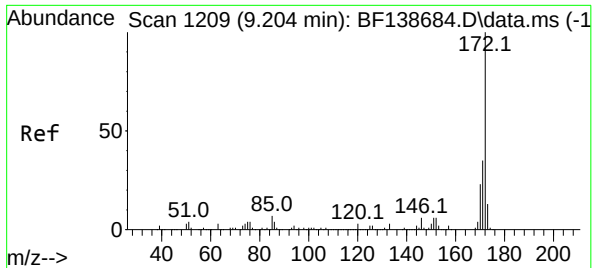


#44
2,4,5-Trichlorophenol
Concen: 40.677 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



Tgt Ion:196 Resp: 110160
Ion Ratio Lower Upper
196 100
198 100.0 81.2 121.8
97 57.5 47.8 71.6
132 31.3 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 82.684 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 804889

Ion Ratio Lower Upper

172 100

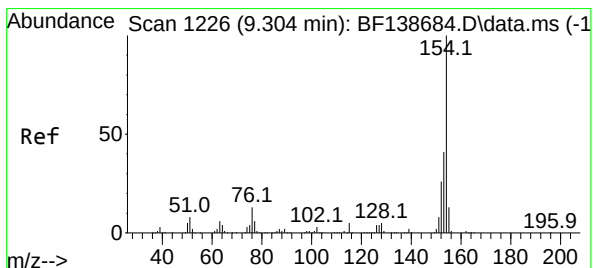
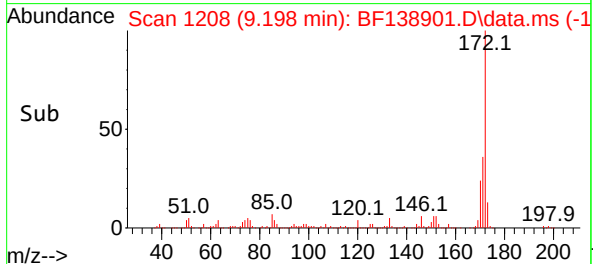
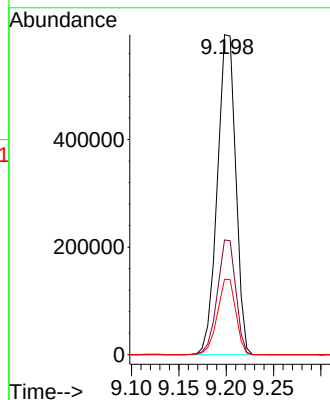
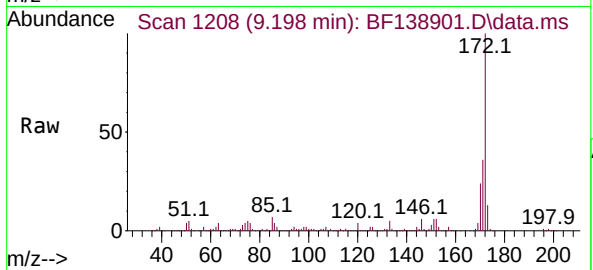
171 35.8 28.3 42.5

170 23.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#46

1,1'-Biphenyl

Concen: 39.816 ng

RT: 9.304 min Scan# 1226

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

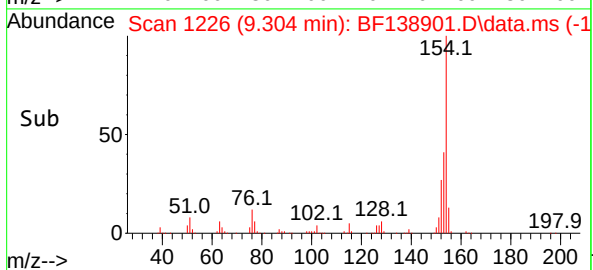
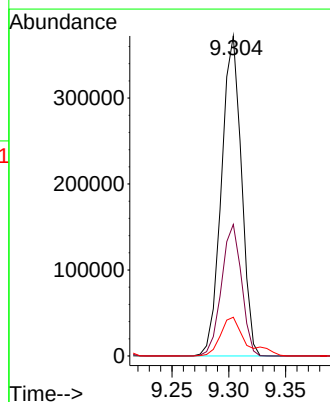
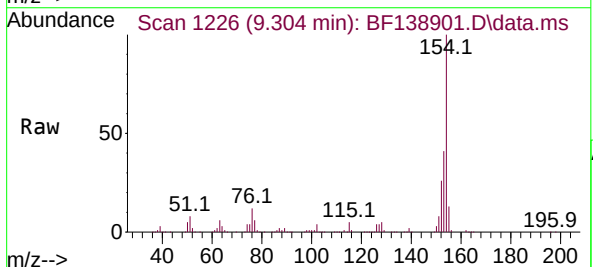
Tgt Ion:154 Resp: 456093

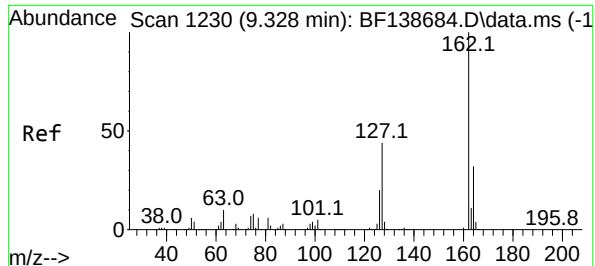
Ion Ratio Lower Upper

154 100

153 41.1 20.8 60.8

76 12.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.080 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 341460

Ion Ratio Lower Upper

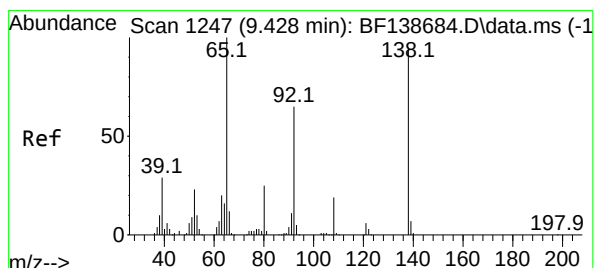
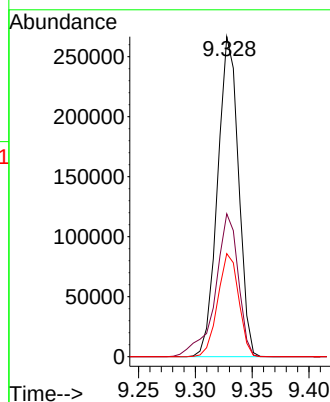
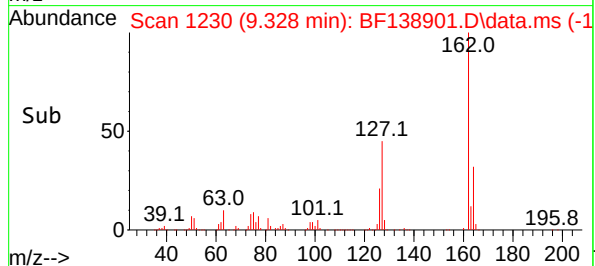
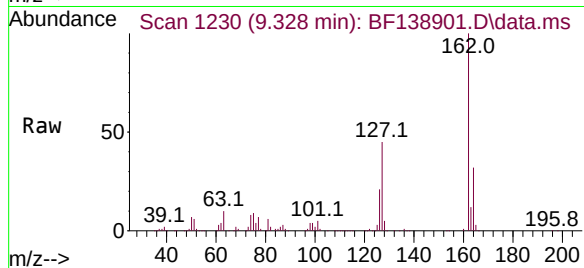
162 100

127 44.7 35.4 53.2

164 32.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#48

2-Nitroaniline

Concen: 41.277 ng

RT: 9.433 min Scan# 1248

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

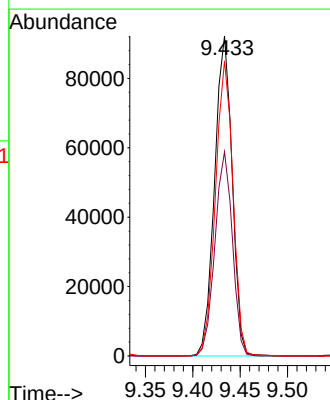
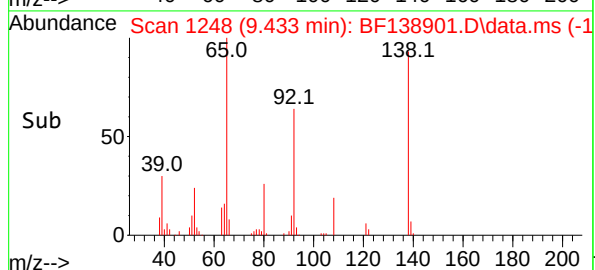
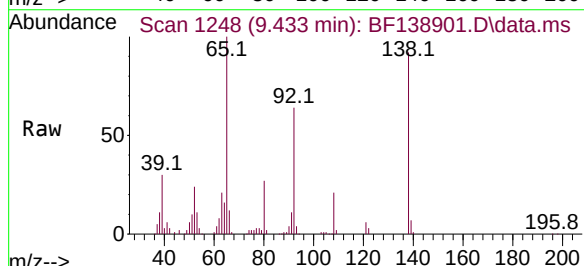
Tgt Ion: 65 Resp: 119216

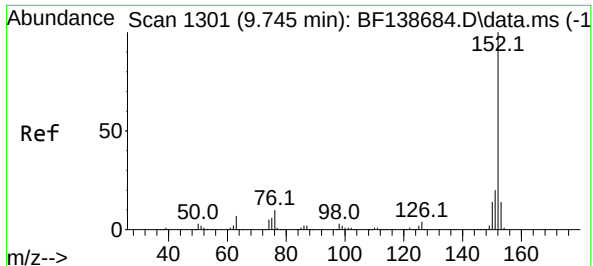
Ion Ratio Lower Upper

65 100

92 63.8 52.0 78.0

138 92.2 76.2 114.4





#49

Acenaphthylene

Concen: 39.744 ng

RT: 9.745 min Scan# 1301

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 48023

Ion Ratio Lower Upper

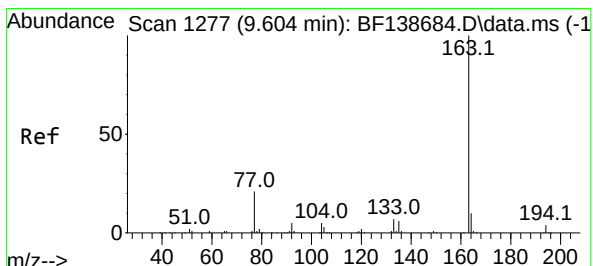
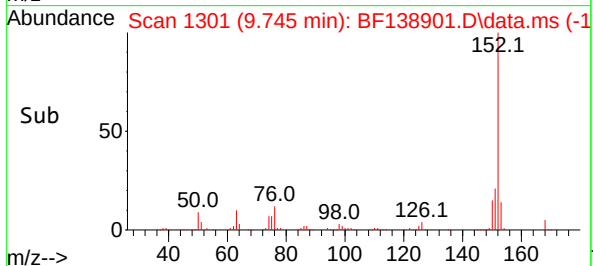
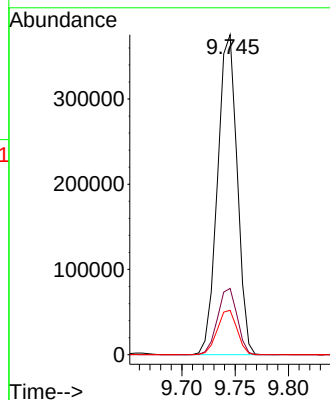
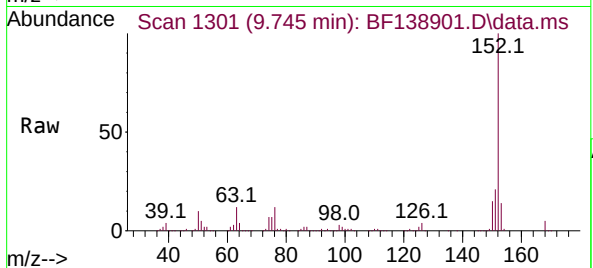
152 100

151 20.7 16.0 24.0

153 13.9 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#50

Dimethylphthalate

Concen: 42.377 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

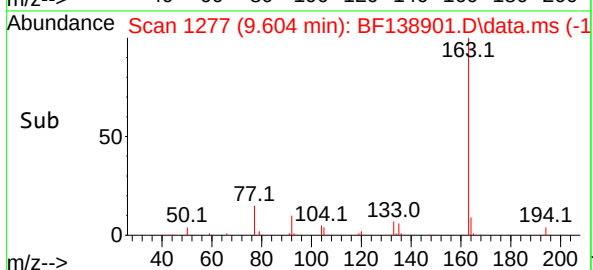
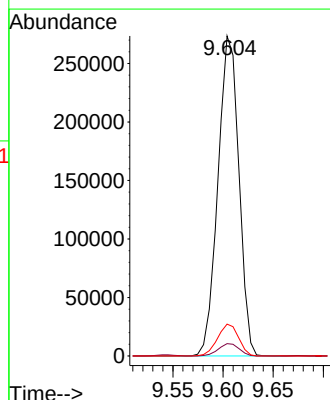
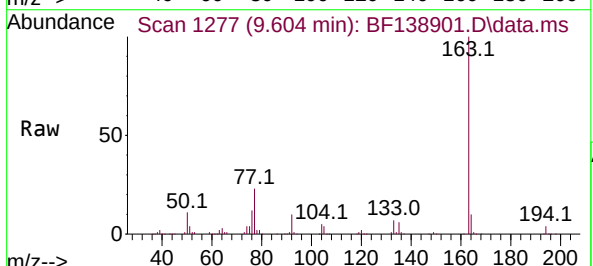
Tgt Ion:163 Resp: 396316

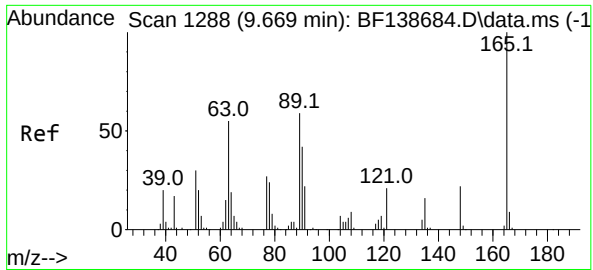
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.0 7.8 11.8





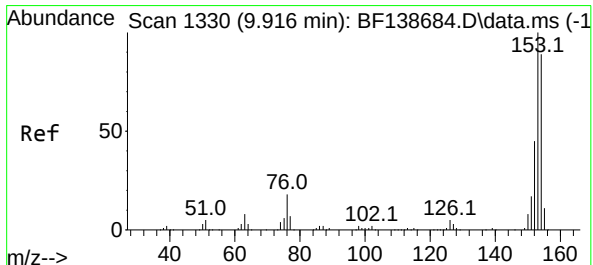
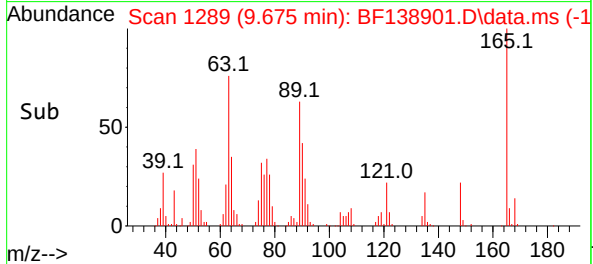
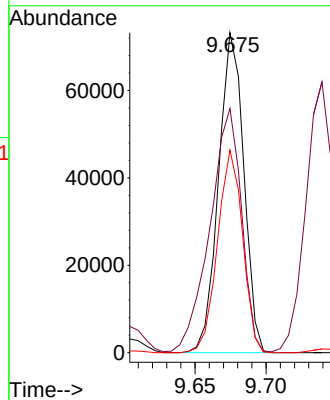
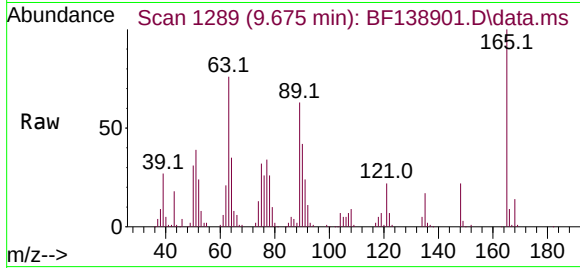
#51
2,6-Dinitrotoluene
Concen: 42.834 ng
RT: 9.675 min Scan# 1288
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 90409
Ion Ratio Lower Upper
165 100
63 76.3 52.0 78.0
89 63.3 47.0 70.6

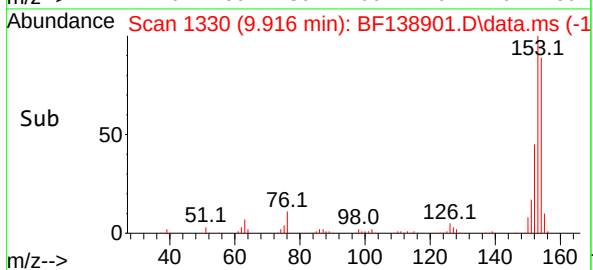
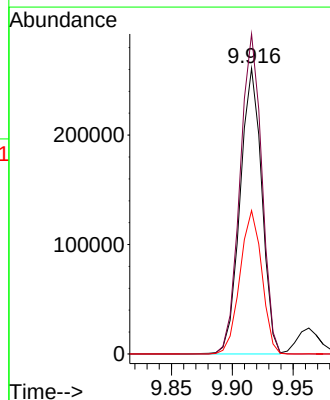
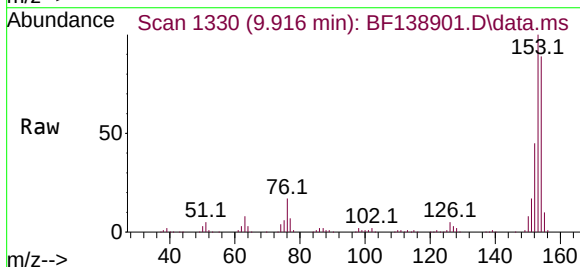
Manual Integrations
APPROVED

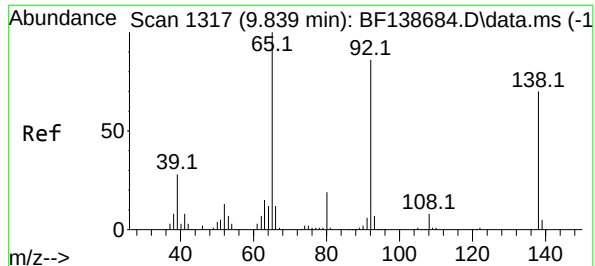
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#52
Acenaphthene
Concen: 39.769 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:154 Resp: 323021
Ion Ratio Lower Upper
154 100
153 112.0 89.9 134.9
152 50.2 40.6 60.8





#53

3-Nitroaniline

Concen: 39.908 ng

RT: 9.845 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 87074

Ion Ratio Lower Upper

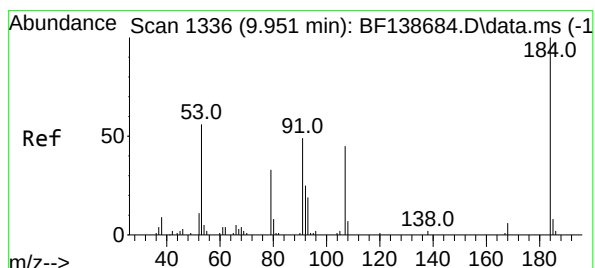
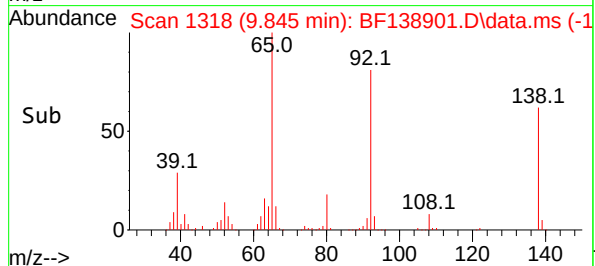
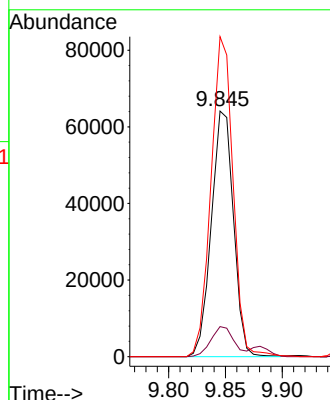
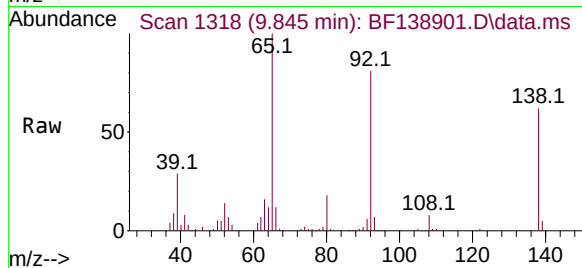
138 100

108 12.2 9.1 13.7

92 130.3 98.7 148.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#54

2,4-Dinitrophenol

Concen: 46.071 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.012 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

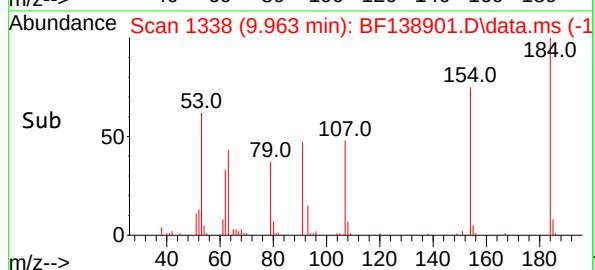
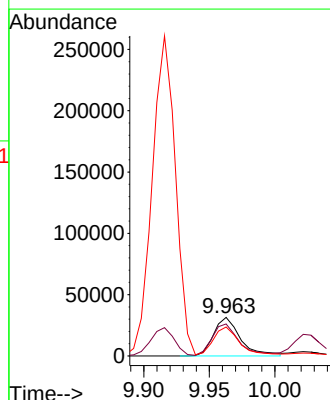
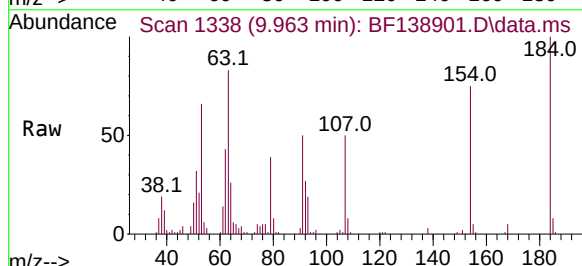
Tgt Ion:184 Resp: 44762

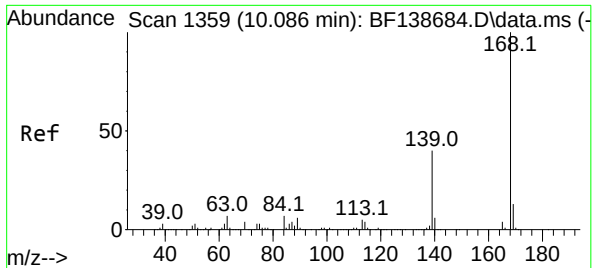
Ion Ratio Lower Upper

184 100

63 83.0 57.5 86.3

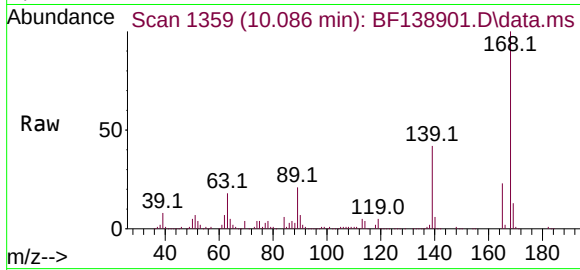
154 75.3 51.7 77.5





#55
Dibenzofuran
Concen: 40.561 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

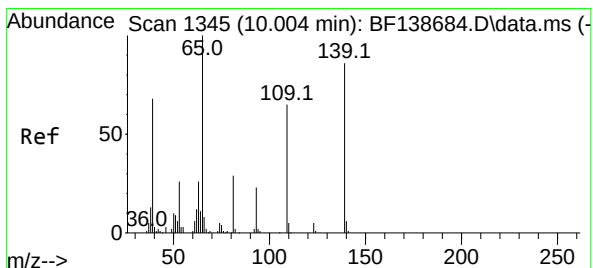
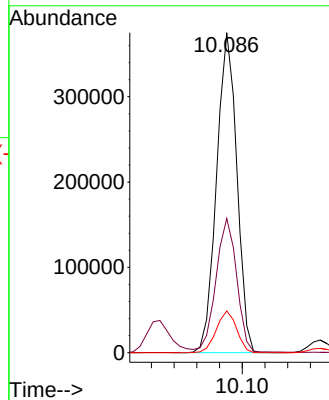
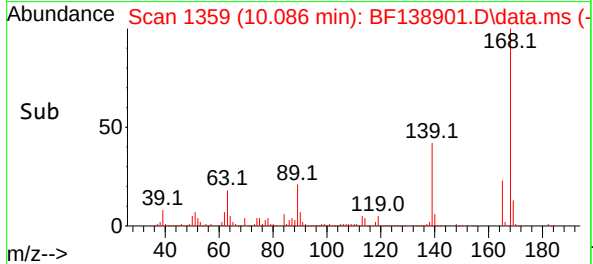
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 465060
Ion Ratio Lower Upper
168 100
139 42.0 32.6 49.0
169 13.0 10.7 16.1

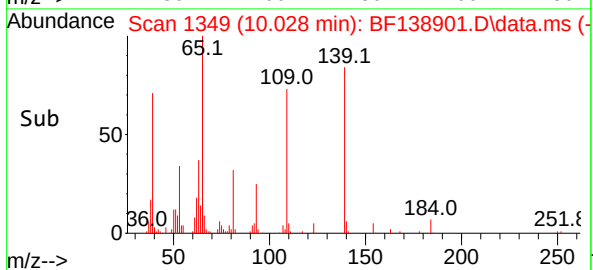
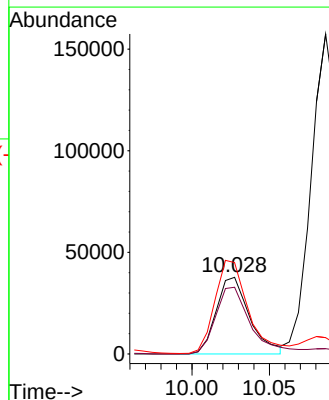
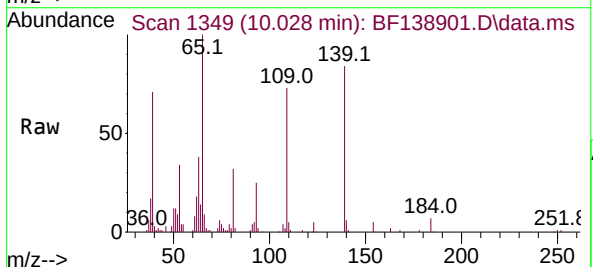
Manual Integrations
APPROVED

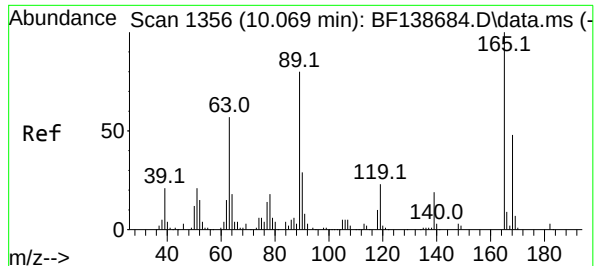
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#56
4-Nitrophenol
Concen: 43.021 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:139 Resp: 56447
Ion Ratio Lower Upper
139 100
109 87.1 55.5 95.5
65 119.2 96.7 136.7





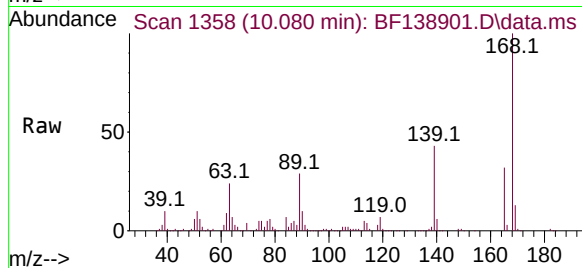
#57
2,4-Dinitrotoluene
Concen: 44.035 ng
RT: 10.080 min Scan# 1356
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

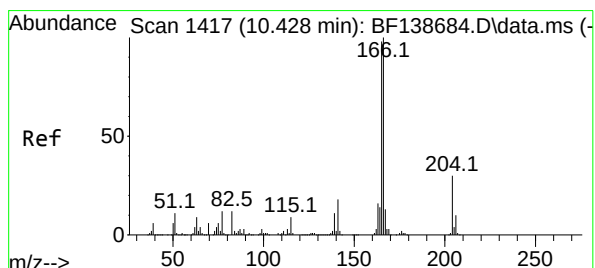
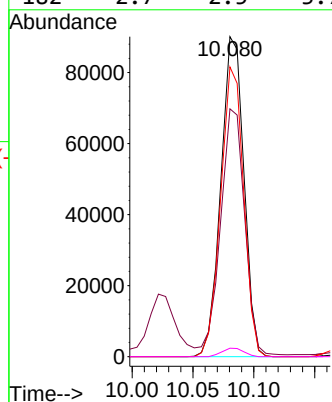
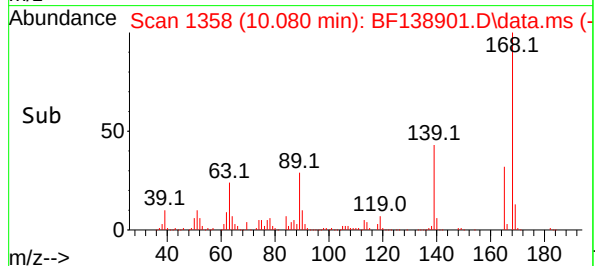


Tgt Ion:165 Resp: 118570
Ion Ratio Lower Upper
165 100
63 77.5 46.3 69.5
89 90.6 64.2 96.4
182 2.7 2.5 3.7

Manual Integrations

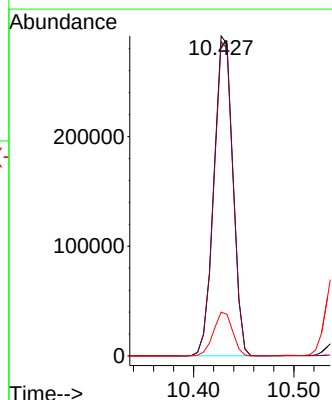
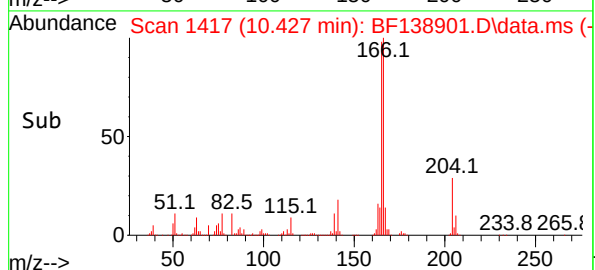
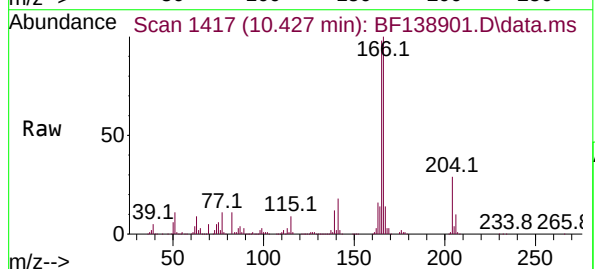
APPROVED

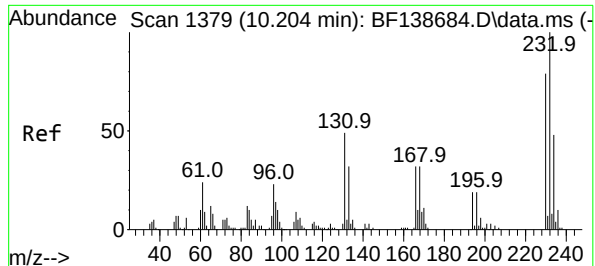
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#58
Fluorene
Concen: 41.948 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

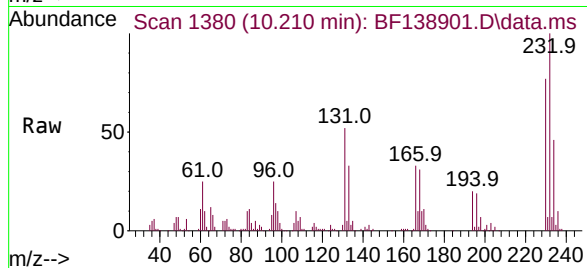
Tgt Ion:166 Resp: 383007
Ion Ratio Lower Upper
166 100
165 98.2 78.4 117.6
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.069 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

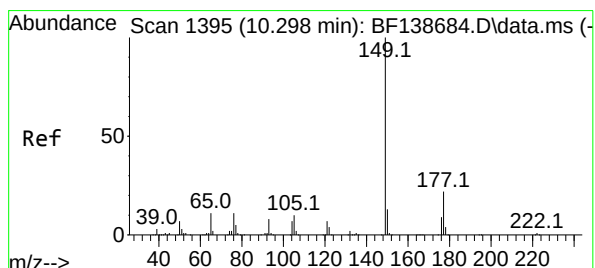
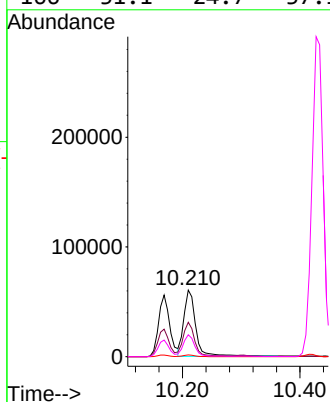
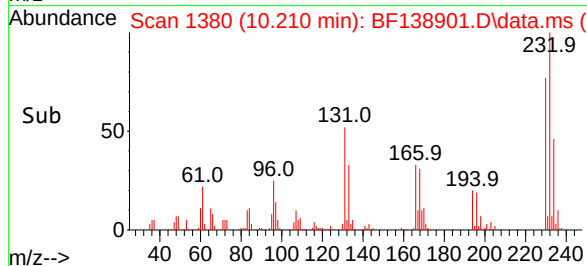
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 85030
Ion Ratio Lower Upper
232 100
131 50.9 37.0 55.4
130 2.7 2.0 3.0
166 31.1 24.7 37.1

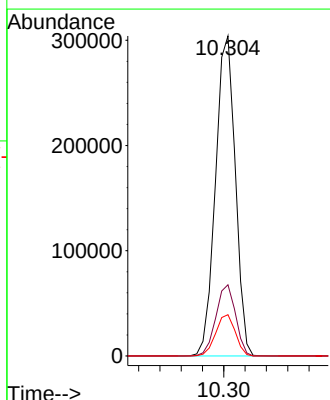
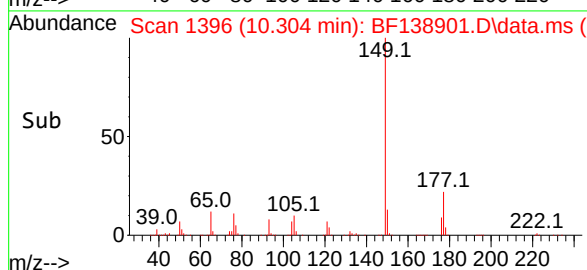
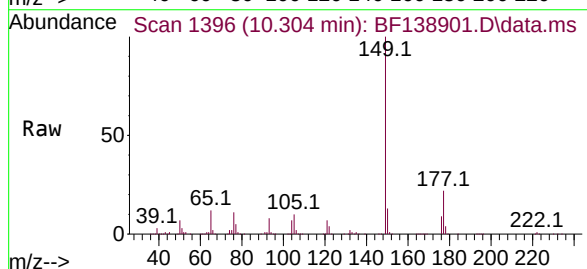
Manual Integrations
APPROVED

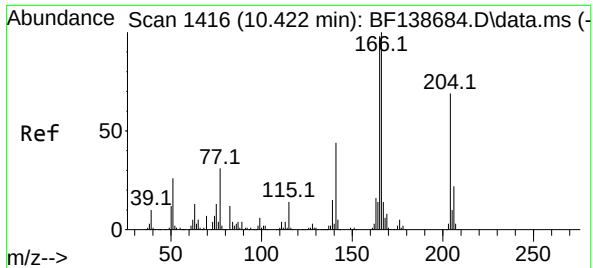
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#60
Diethylphthalate
Concen: 44.254 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

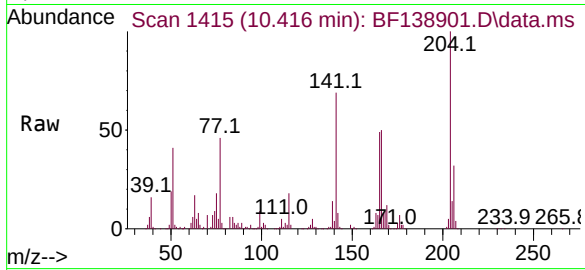
Tgt Ion:149 Resp: 392422
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.8
150 12.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.898 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

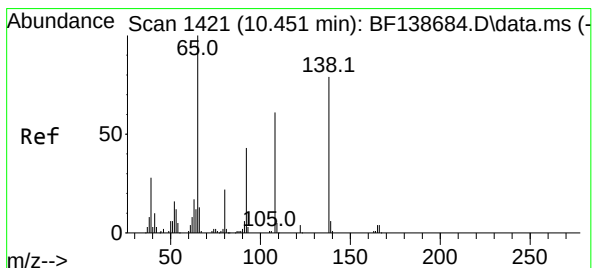
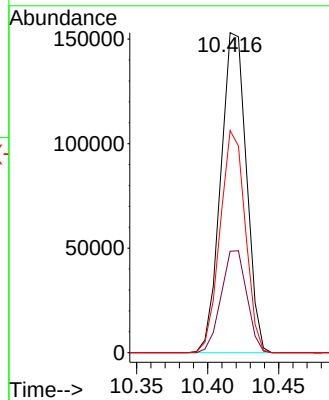
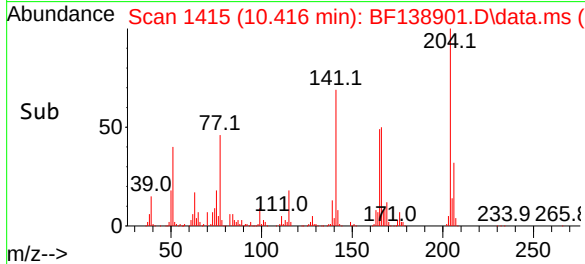
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 19263
Ion Ratio Lower Upper
204 100
206 31.7 26.1 39.1
141 69.4 51.4 77.0

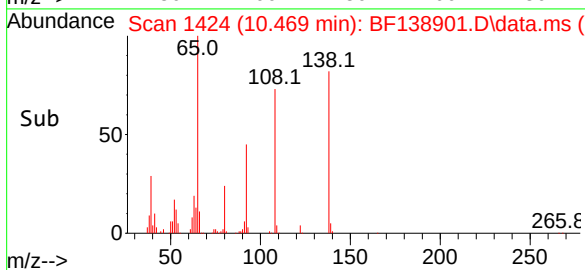
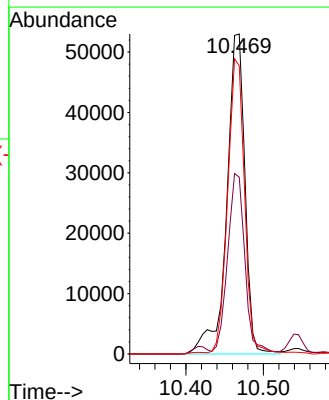
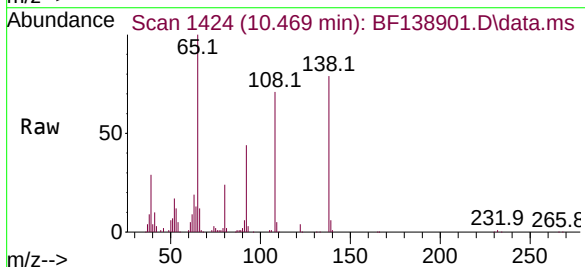
Manual Integrations
APPROVED

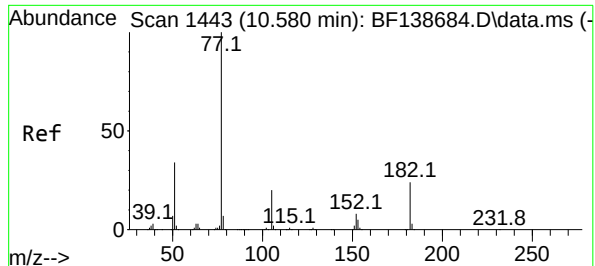
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#62
4-Nitroaniline
Concen: 41.796 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

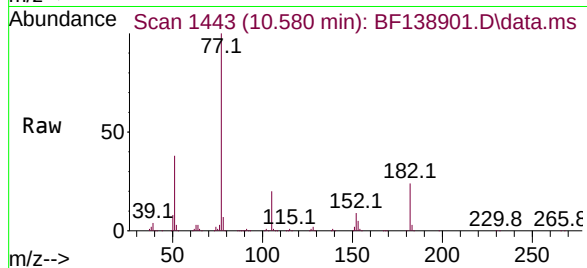
Tgt Ion:138 Resp: 86663
Ion Ratio Lower Upper
138 100
92 55.3 34.2 74.2
108 90.0 56.2 96.2





#63
Azobenzene
Concen: 40.554 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

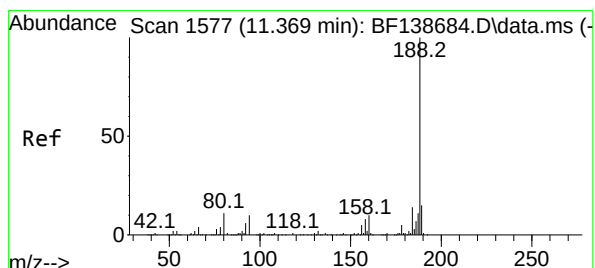
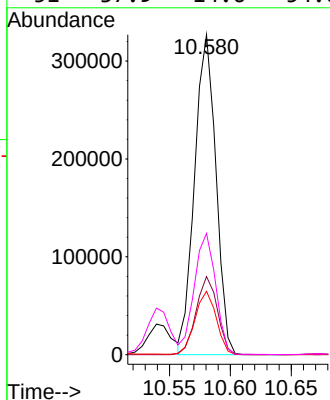
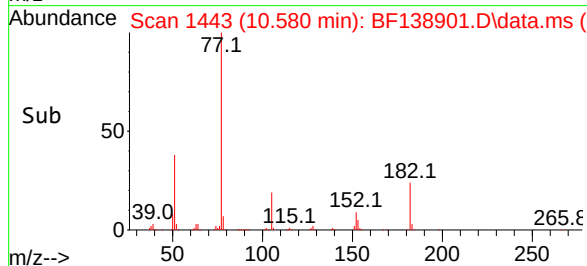
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 398845
Ion Ratio Lower Upper
77 100
182 24.4 3.4 43.4
105 19.8 0.2 40.2
51 37.9 14.6 54.6

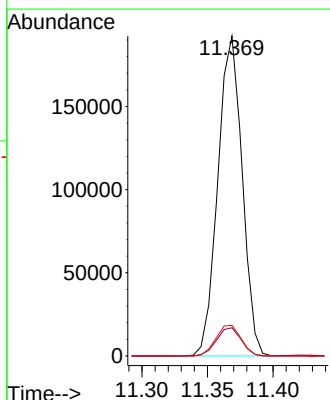
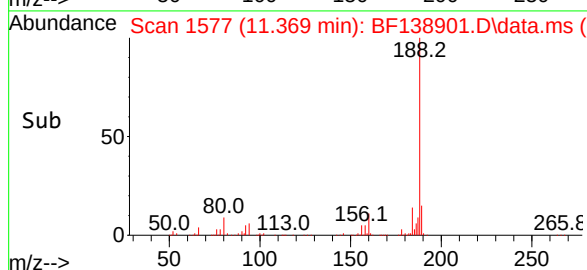
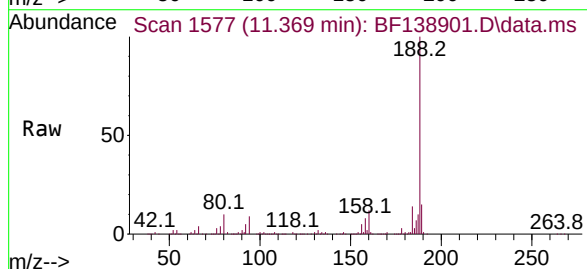
Manual Integrations
APPROVED

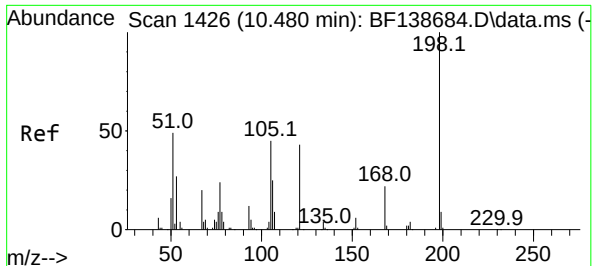
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

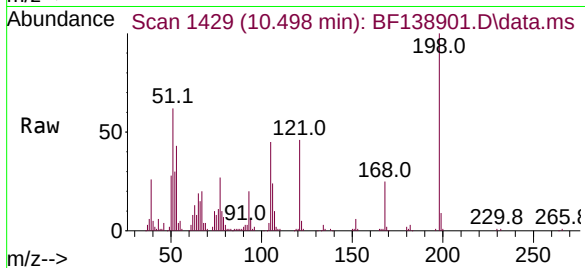
Tgt Ion:188 Resp: 247933
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 9.6 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 42.064 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

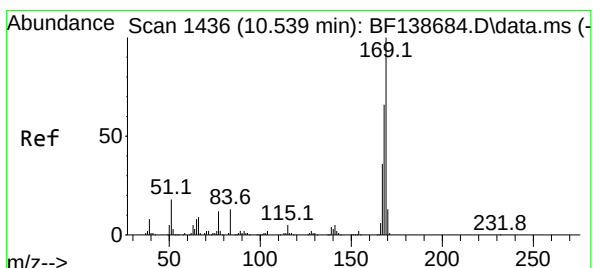
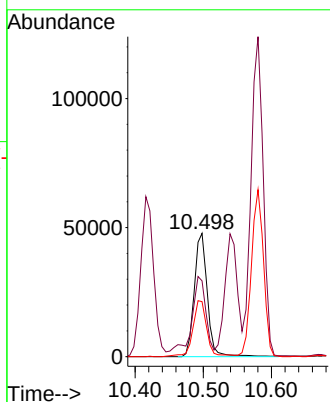
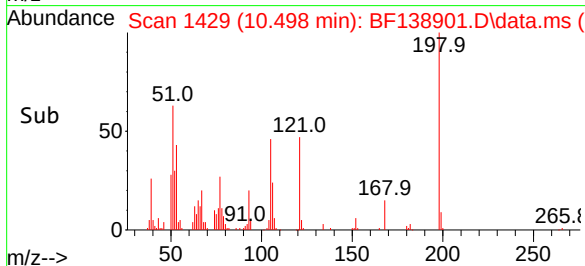
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:198 Resp: 63620
Ion Ratio Lower Upper
198 100
51 61.5 39.9 79.9
105 44.6 26.1 66.1

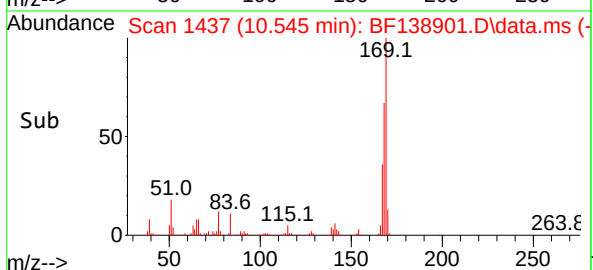
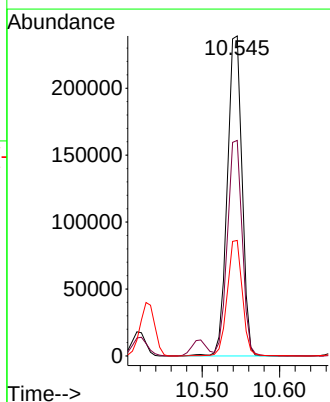
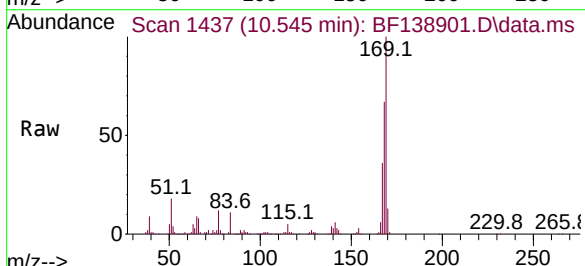
Manual Integrations
APPROVED

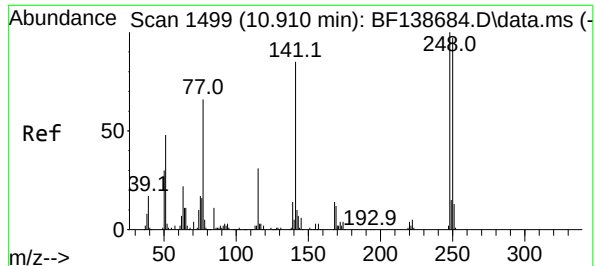
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#66
n-Nitrosodiphenylamine
Concen: 40.760 ng
RT: 10.545 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

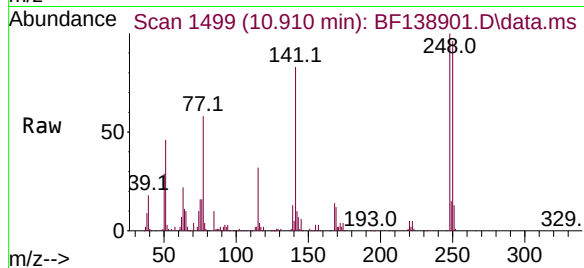
Tgt Ion:169 Resp: 315882
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 36.1 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 41.631 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

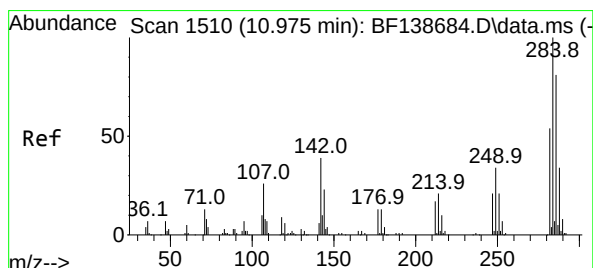
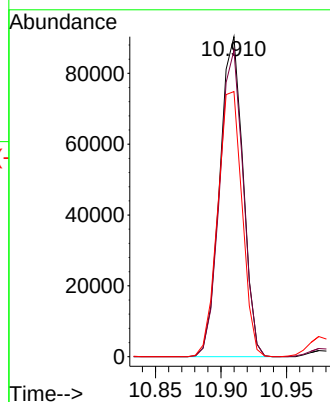
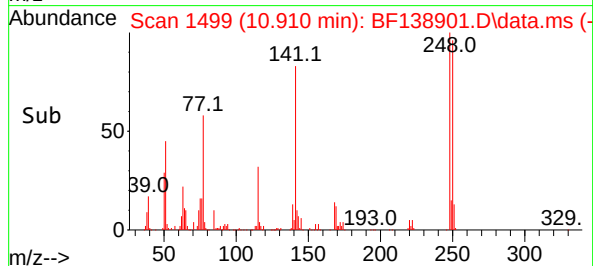
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



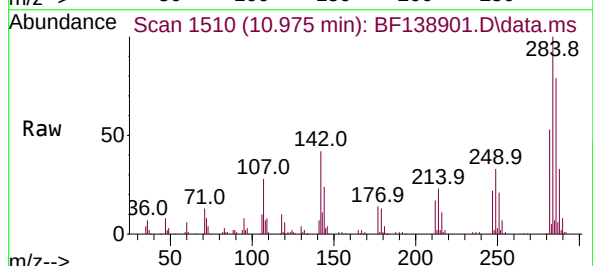
Tgt Ion:248 Resp: 11175
Ion Ratio Lower Upper
248 100
250 95.8 77.7 116.5
141 82.8 68.0 102.0

Manual Integrations
APPROVED

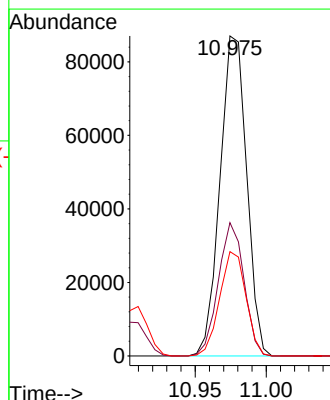
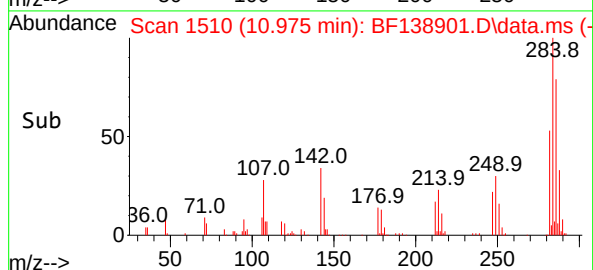
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

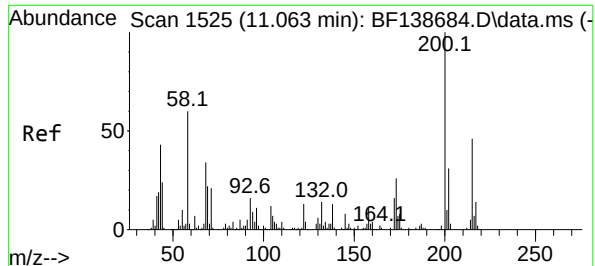


#68
Hexachlorobenzene
Concen: 41.012 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



Tgt Ion:284 Resp: 113668
Ion Ratio Lower Upper
284 100
142 41.6 31.3 46.9
249 32.6 27.2 40.8





#69

Atrazine

Concen: 36.784 ng

RT: 11.069 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 7354

Ion Ratio Lower Upper

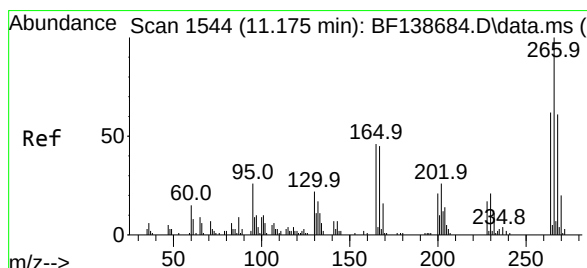
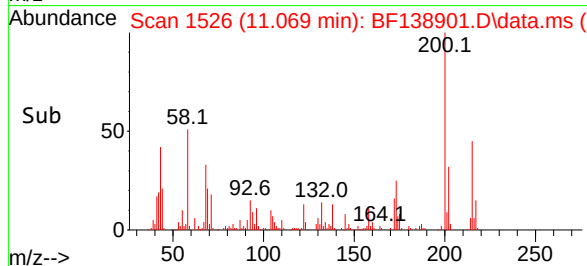
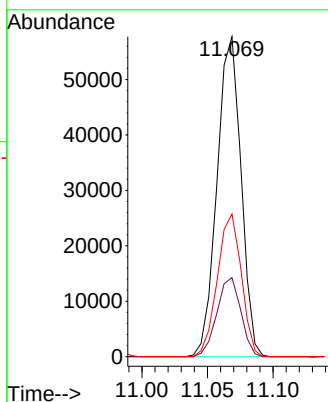
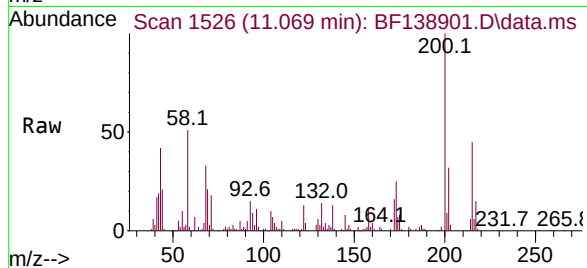
200 100

173 24.7 6.0 46.0

215 44.6 26.1 66.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#70

Pentachlorophenol

Concen: 48.183 ng

RT: 11.180 min Scan# 1545

Delta R.T. 0.005 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

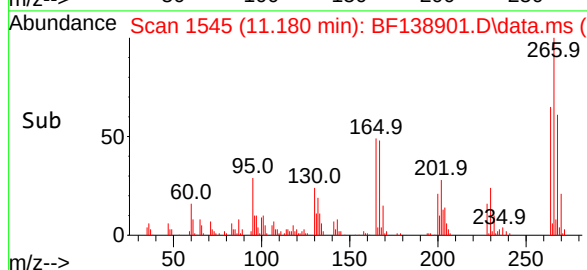
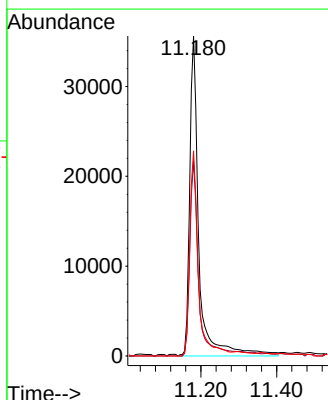
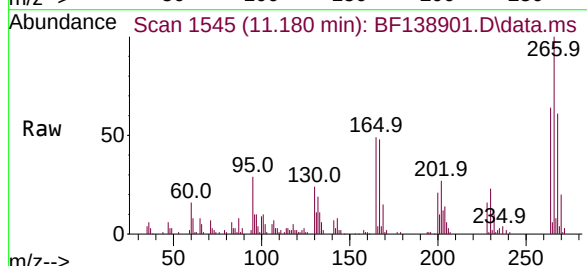
Tgt Ion:266 Resp: 60194

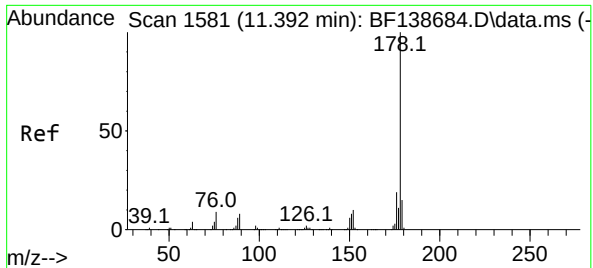
Ion Ratio Lower Upper

266 100

268 60.9 49.2 73.8

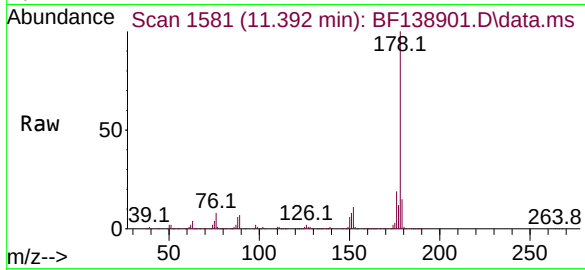
264 64.1 49.8 74.6





#71
Phenanthrene
Concen: 40.816 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

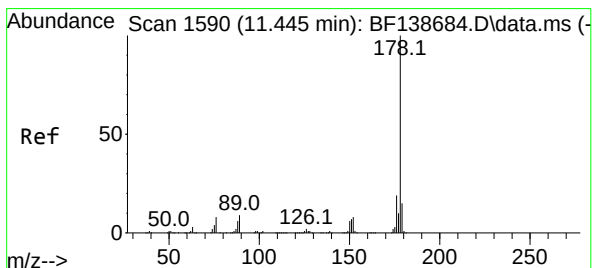
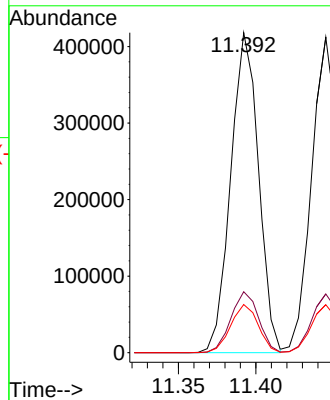
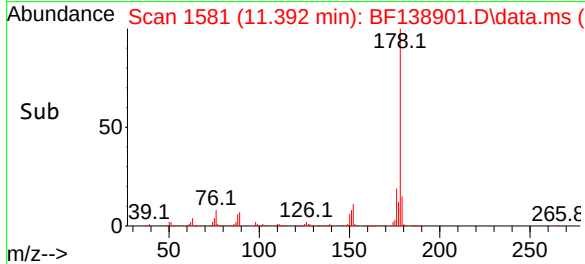
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 521085
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.1 12.2 18.2

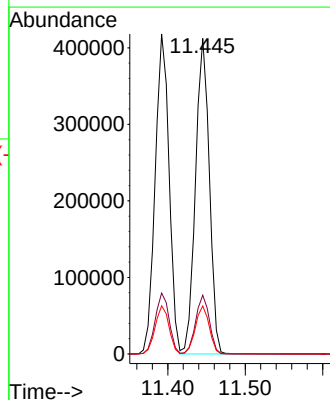
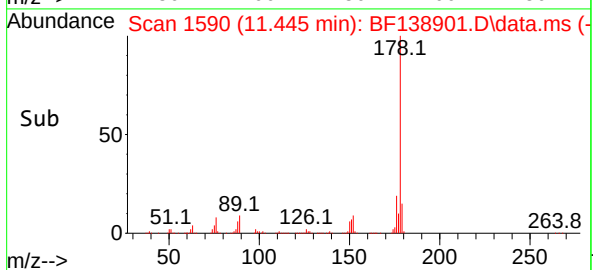
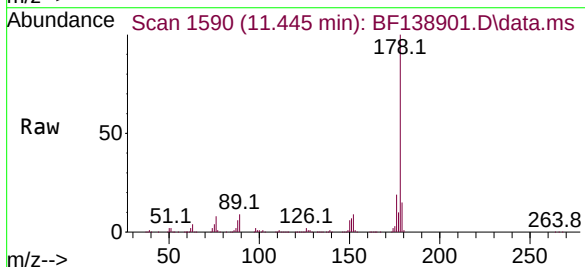
Manual Integrations
APPROVED

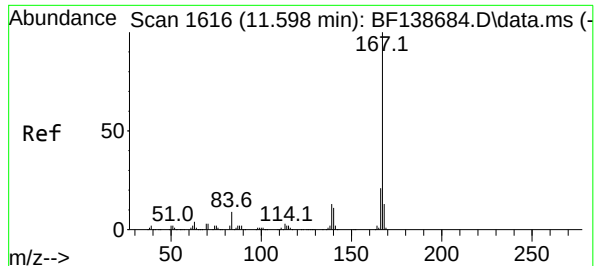
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#72
Anthracene
Concen: 40.562 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

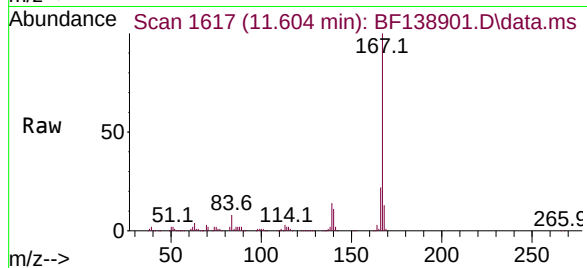
Tgt Ion:178 Resp: 510139
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 12.4 18.6





#73
Carbazole
Concen: 40.357 ng
RT: 11.604 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

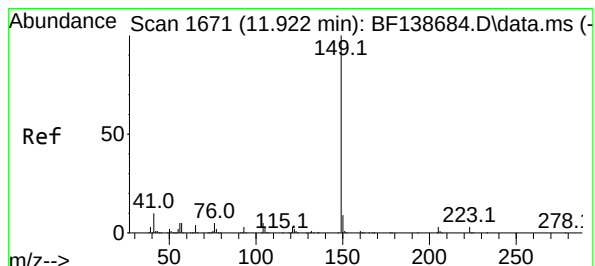
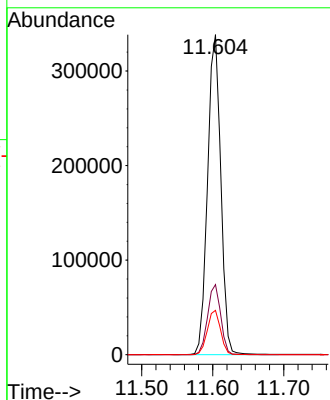
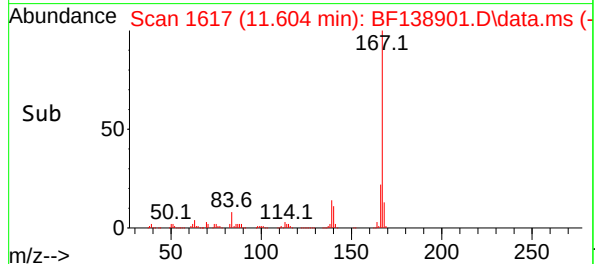
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:167 Resp: 437899
Ion Ratio Lower Upper
167 100
166 21.9 17.2 25.8
139 13.8 10.6 16.0

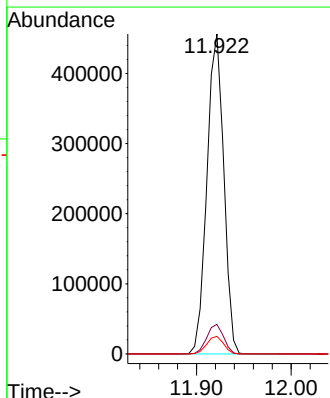
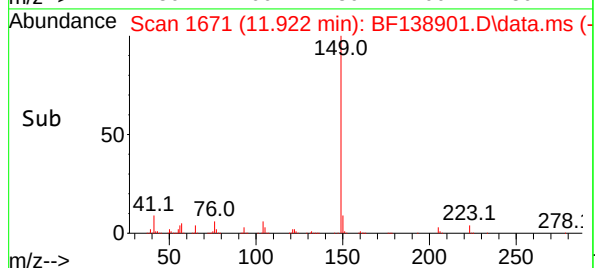
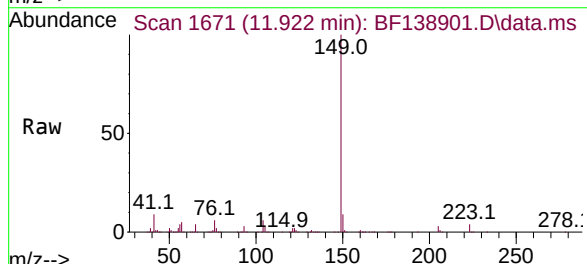
Manual Integrations
APPROVED

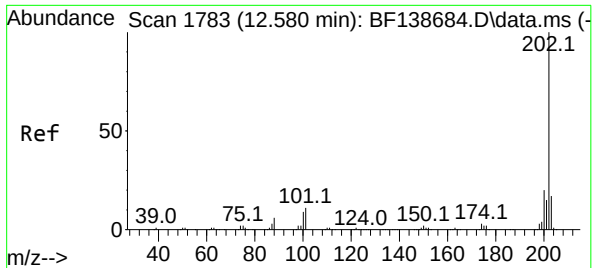
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#74
Di-n-butylphthalate
Concen: 45.963 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

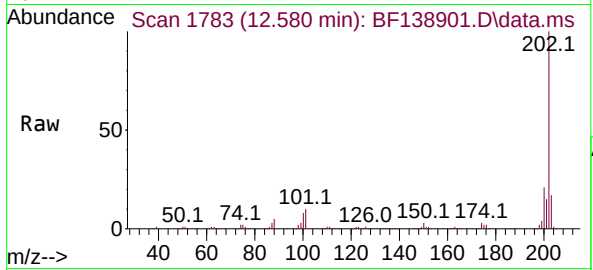
Tgt Ion:149 Resp: 560651
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 40.307 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

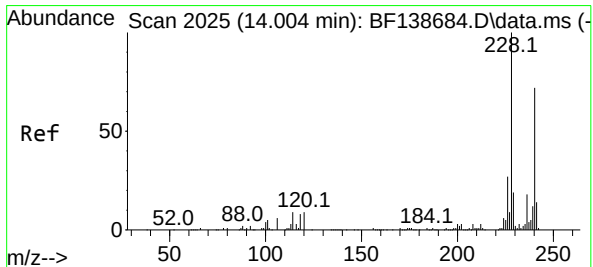
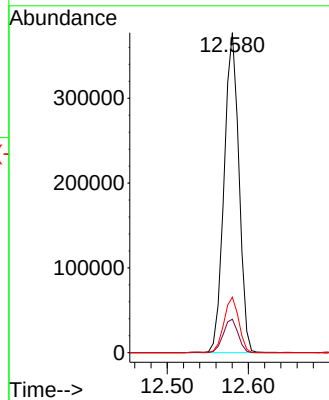
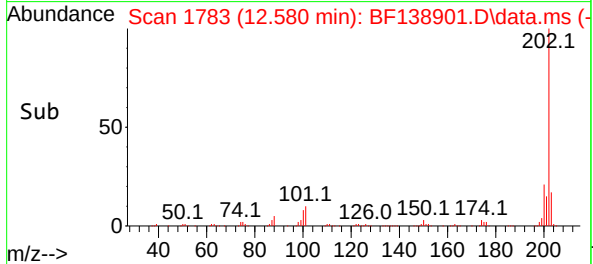
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 48039
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.2
203 17.3 0.0 37.3

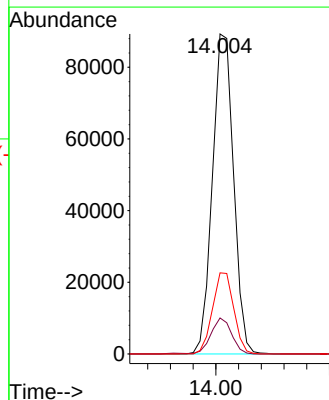
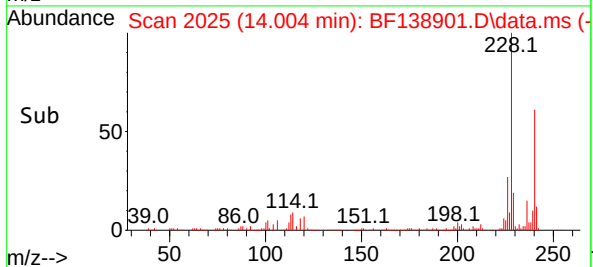
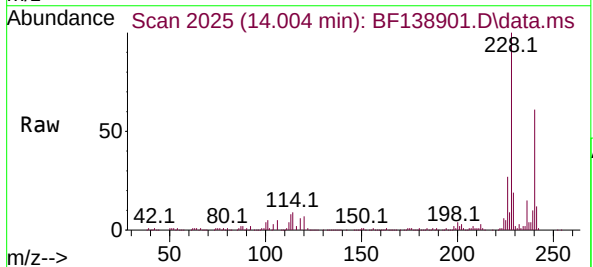
Manual Integrations
APPROVED

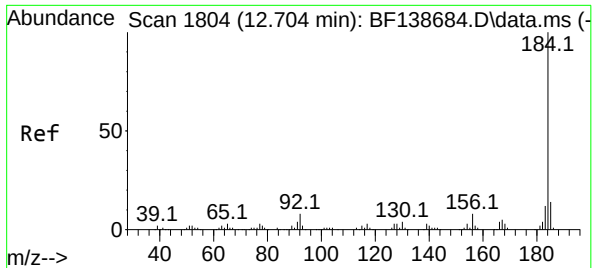
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

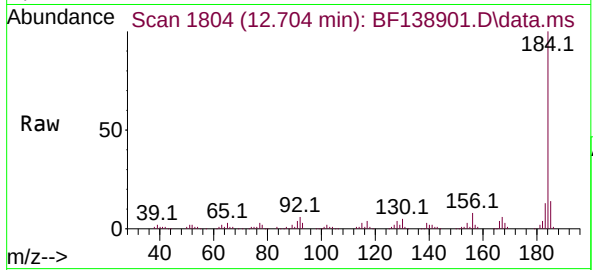
Tgt Ion:240 Resp: 115525
Ion Ratio Lower Upper
240 100
120 11.3 10.2 15.4
236 25.3 19.8 29.8





#77
Benzidine
Concen: 43.325 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

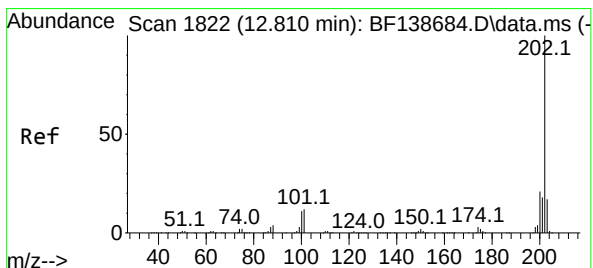
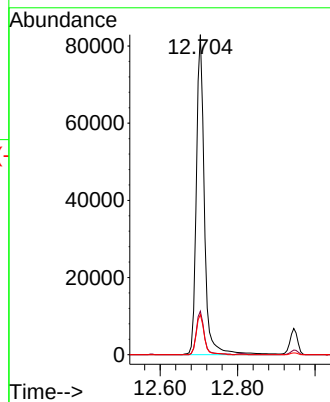
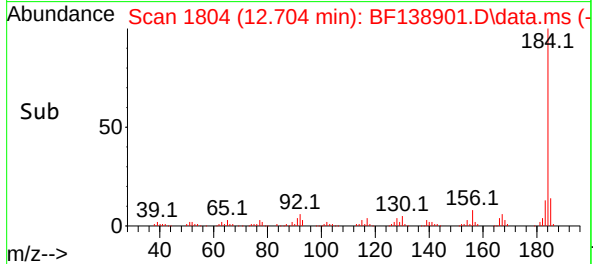
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:184 Resp: 119714
Ion Ratio Lower Upper
184 100
185 13.6 11.1 16.7
183 12.5 9.6 14.4

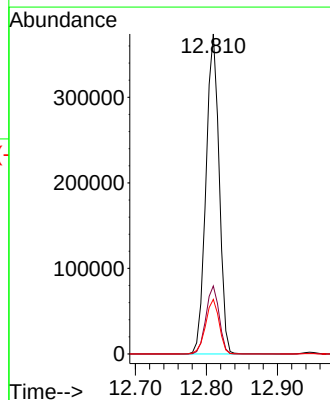
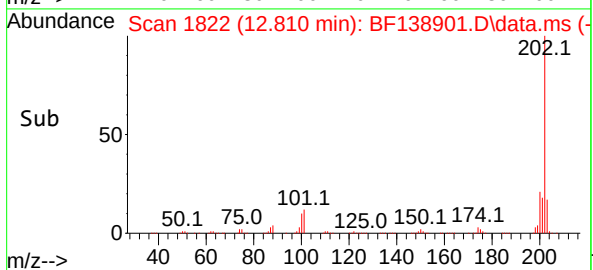
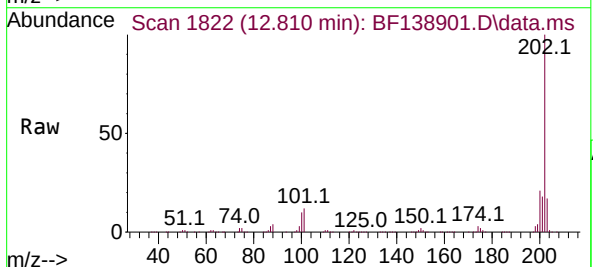
Manual Integrations
APPROVED

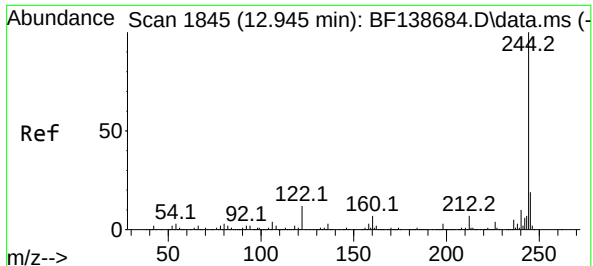
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#78
Pyrene
Concen: 44.353 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:202 Resp: 482435
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.1 13.8 20.6





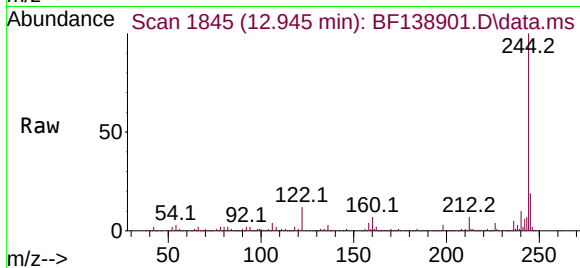
#79
Terphenyl-d14
Concen: 91.112 ng
RT: 12.945 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

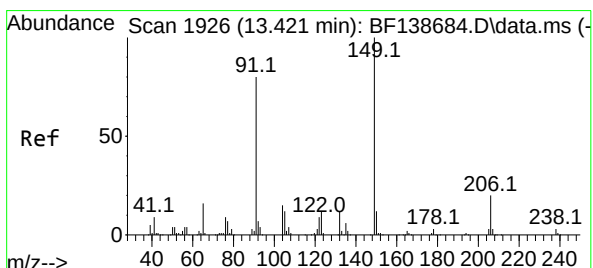
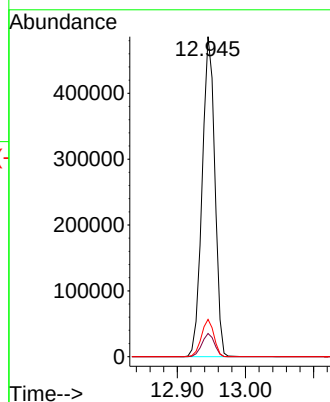
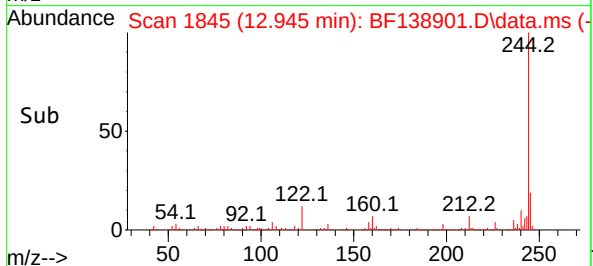


Tgt Ion:244 Resp: 628672
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 11.6 9.6 14.4

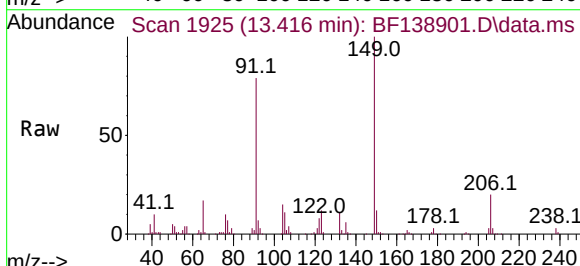
Manual Integrations

APPROVED

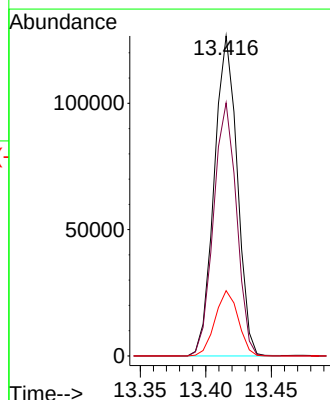
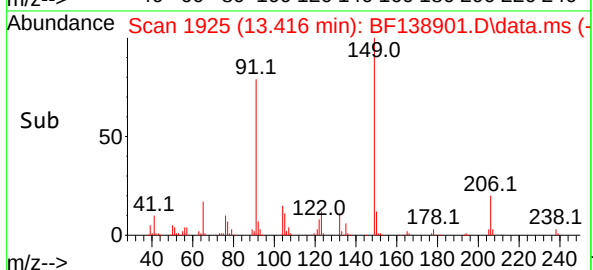
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

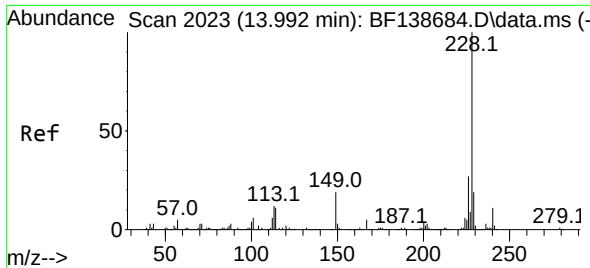


#80
Butylbenzylphthalate
Concen: 44.312 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



Tgt Ion:149 Resp: 154344
Ion Ratio Lower Upper
149 100
91 79.1 63.7 95.5
206 20.4 16.2 24.2





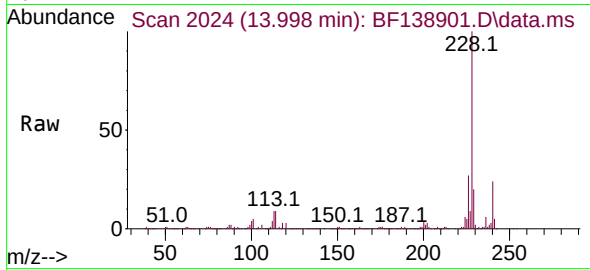
#81
Benzo(a)anthracene
Concen: 40.721 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

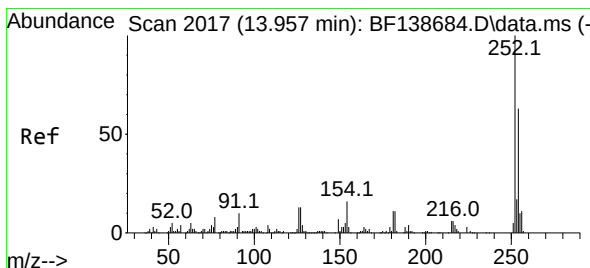
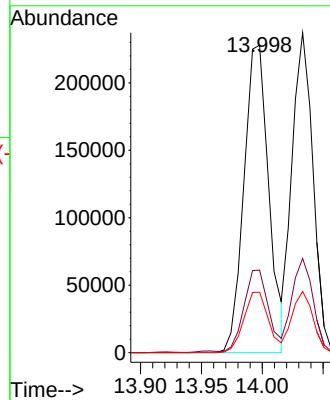
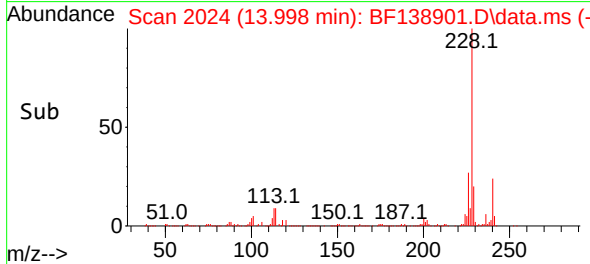


Tgt Ion:228 Resp: 32395
Ion Ratio Lower Upper
228 100
226 26.8 22.1 33.1
229 19.7 15.4 23.0

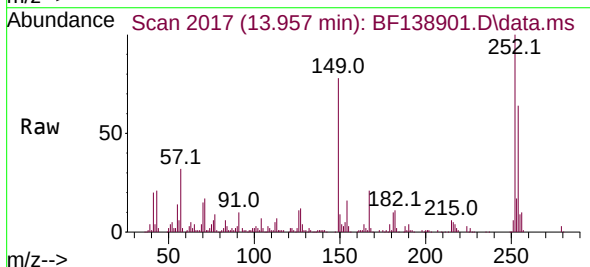
Manual Integrations

APPROVED

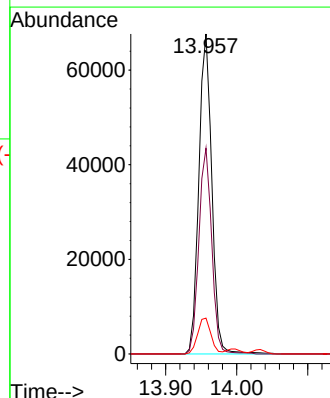
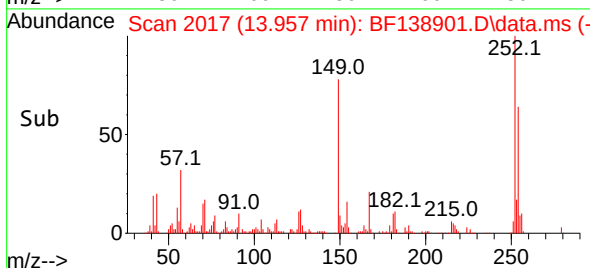
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

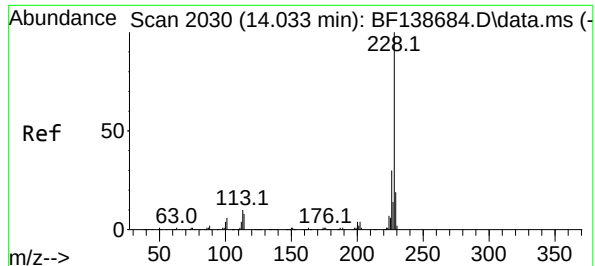


#82
3,3'-Dichlorobenzidine
Concen: 42.286 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41



Tgt Ion:252 Resp: 86086
Ion Ratio Lower Upper
252 100
254 64.3 50.8 76.2
126 11.2 10.2 15.2





#83

Chrysene

Concen: 39.786 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 28555

Ion Ratio Lower Upper

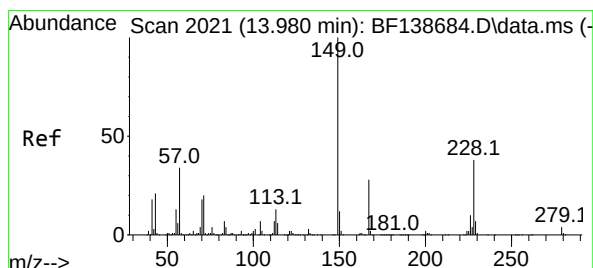
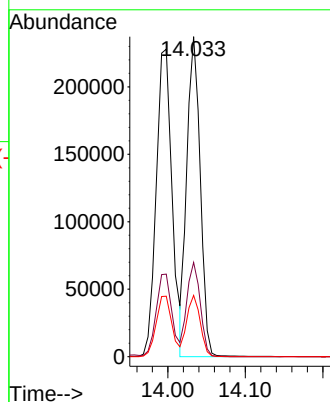
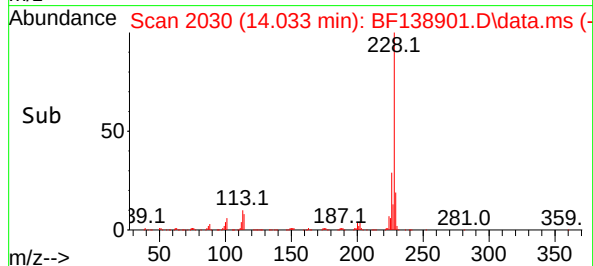
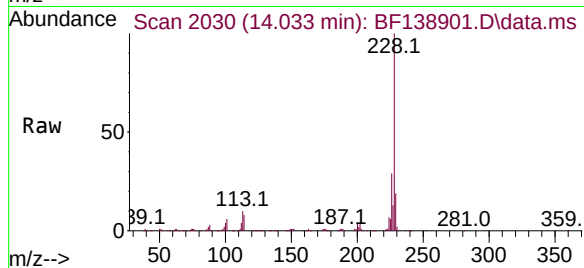
228 100

226 29.4 23.7 35.5

229 19.2 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#84

Bis(2-ethylhexyl)phthalate

Concen: 39.440 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

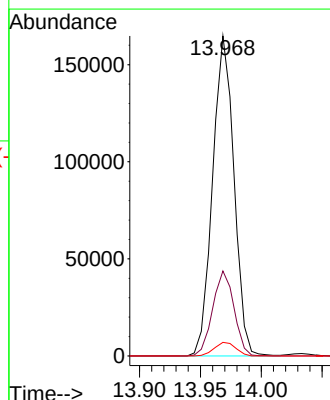
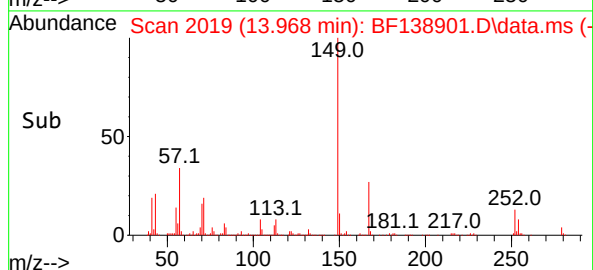
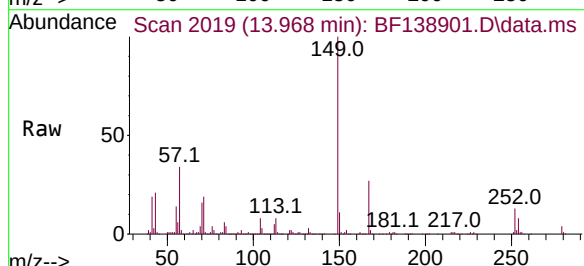
Tgt Ion:149 Resp: 201163

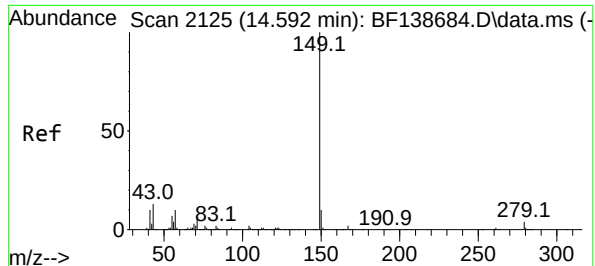
Ion Ratio Lower Upper

149 100

167 26.6 22.2 33.4

279 4.2 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 37.255 ng

RT: 14.580 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:149 Resp: 35156

Ion Ratio Lower Upper

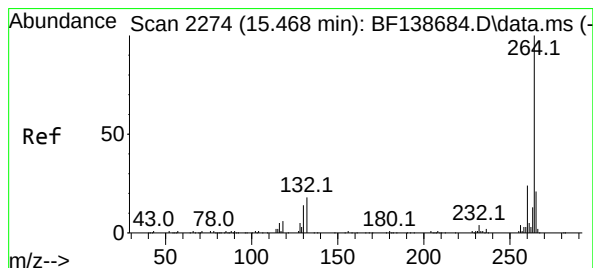
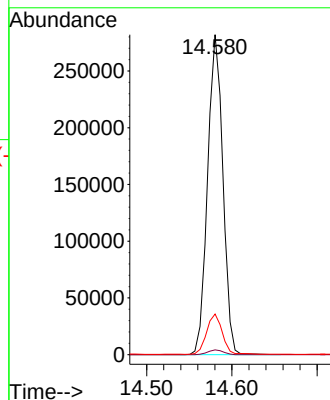
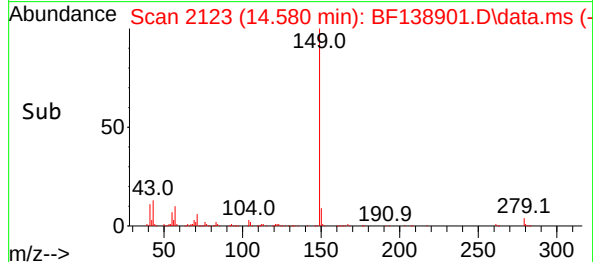
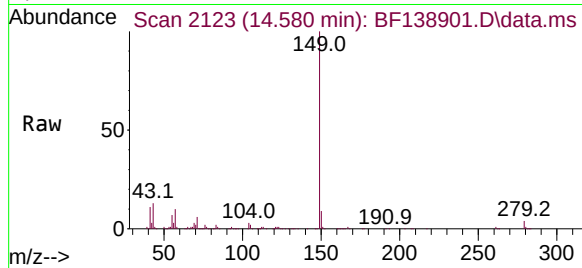
149 100

167 1.5 1.4 2.0

43 12.9 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

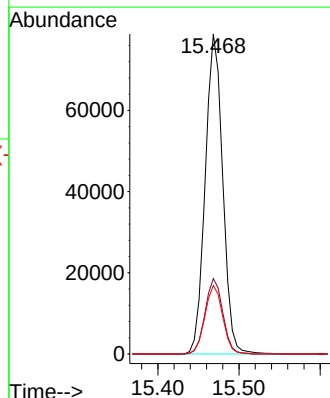
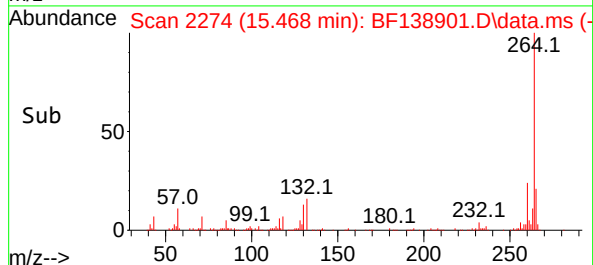
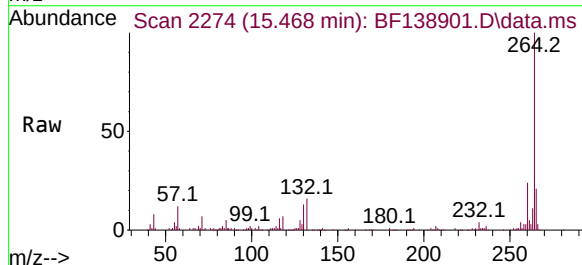
Tgt Ion:264 Resp: 117822

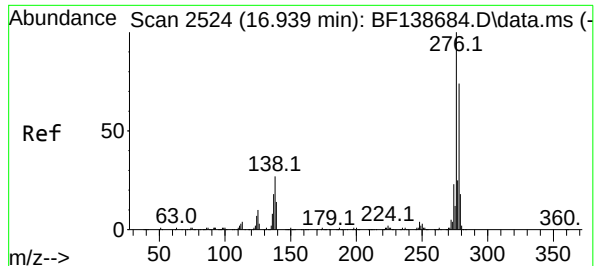
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.033 ng

RT: 16.956 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 32113

Ion Ratio Lower Upper

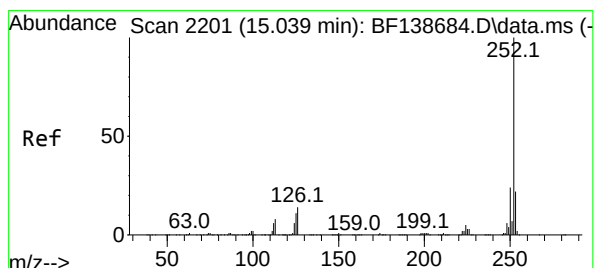
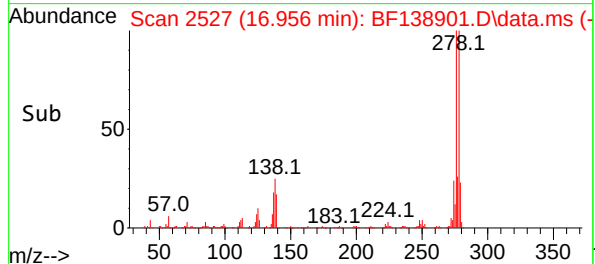
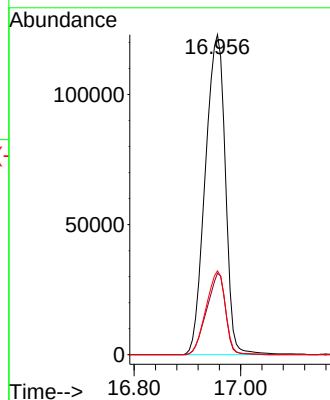
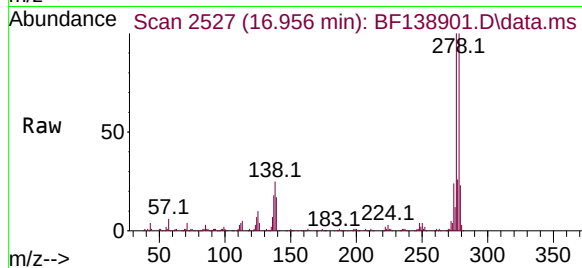
276 100

138 24.0 21.8 32.8

277 25.2 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

#88

Benzo(b)fluoranthene

Concen: 39.582 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

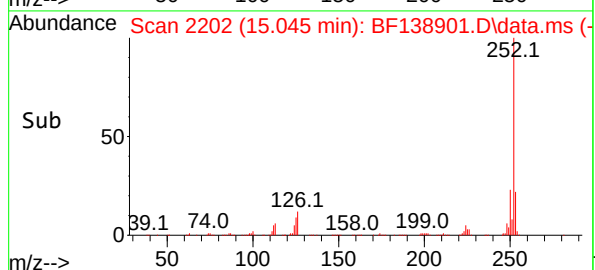
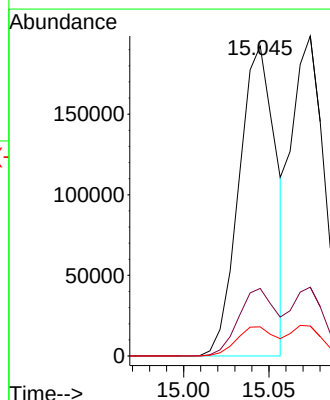
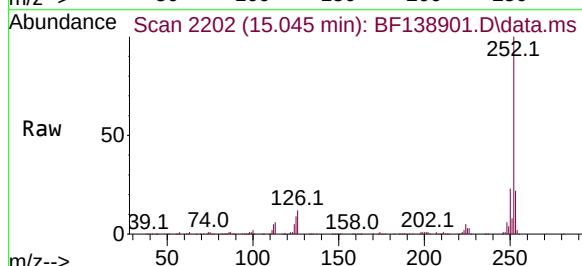
Tgt Ion:252 Resp: 289097

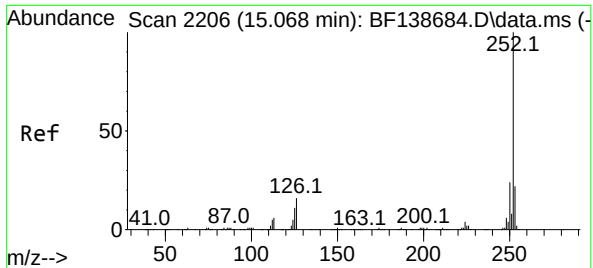
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.4 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 41.500 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 262435

Ion Ratio Lower Upper

252 100

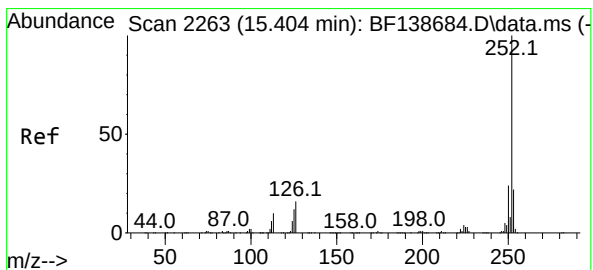
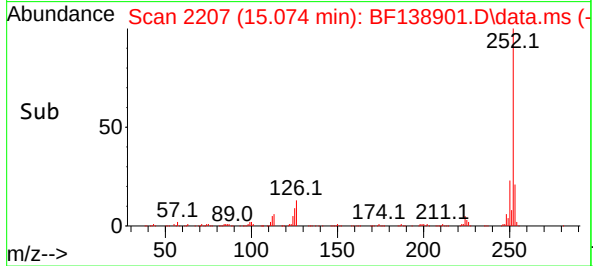
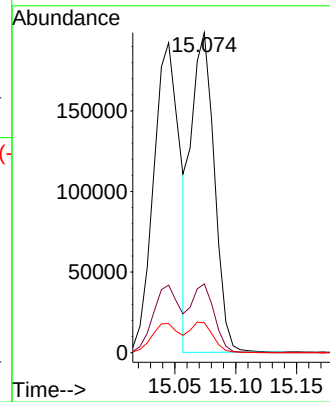
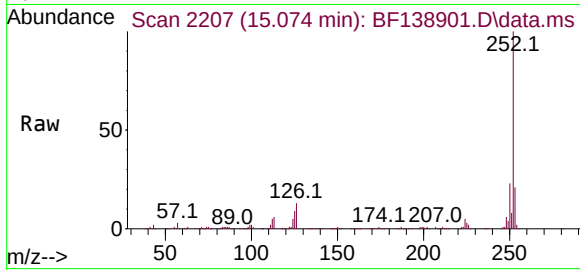
253 21.5 17.4 26.0

125 9.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#90

Benzo(a)pyrene

Concen: 40.704 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF138901.D

Acq: 10 Aug 2024 10:41

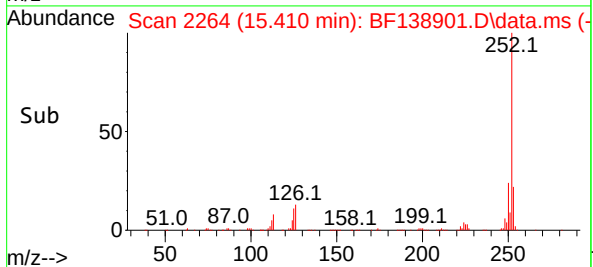
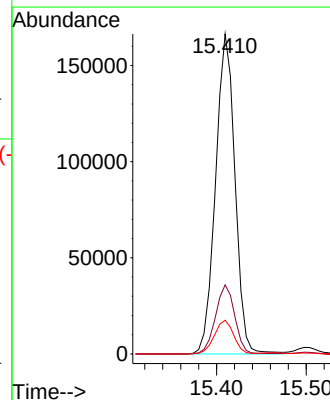
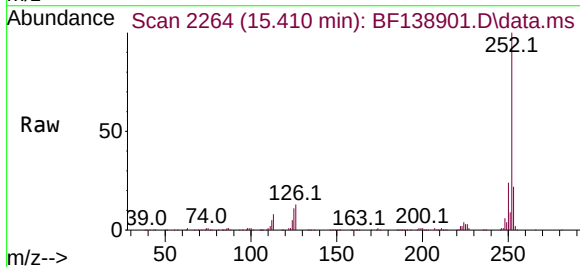
Tgt Ion:252 Resp: 250070

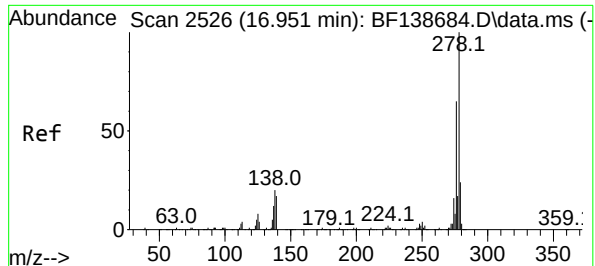
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.6 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 37.829 ng
RT: 16.962 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Instrument :

BNA_F

ClientSampleId :

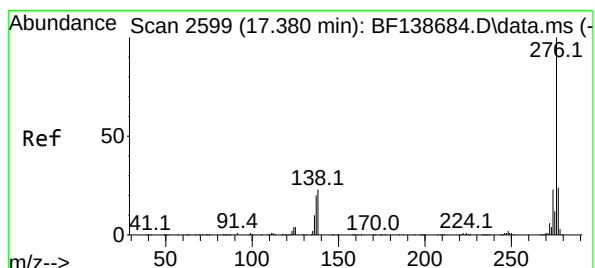
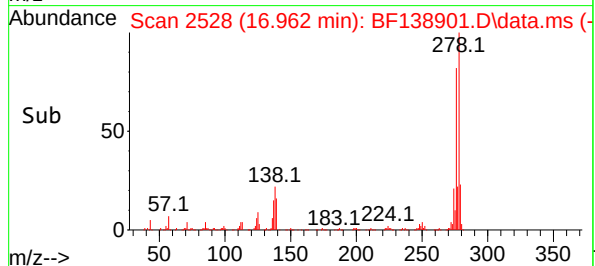
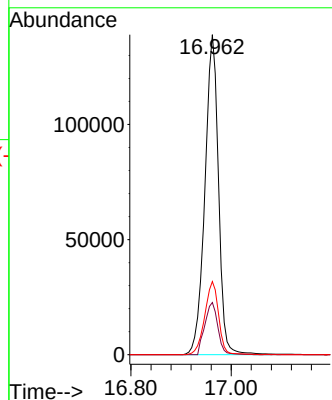
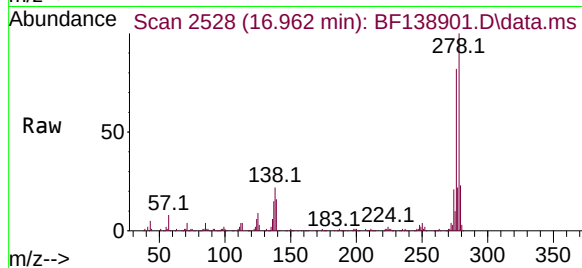
SSTDCCC040

Tgt Ion:278 Resp: 26219
Ion Ratio Lower Upper
278 100
139 16.3 14.0 21.0
279 22.8 19.0 28.4

Manual Integrations

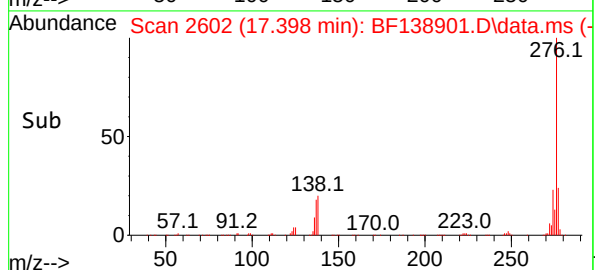
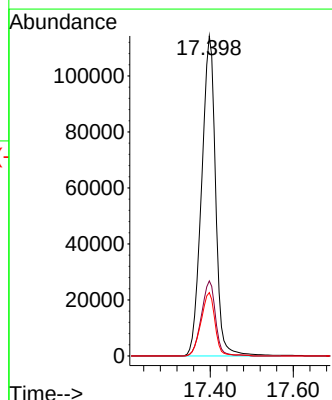
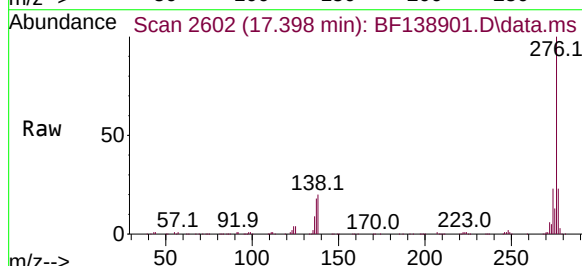
APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#92
Benzo(g,h,i)perylene
Concen: 37.138 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138901.D
Acq: 10 Aug 2024 10:41

Tgt Ion:276 Resp: 267113
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.4
138 19.8 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138901.D
 Acq On : 10 Aug 2024 10:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 12 01:11:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	87	0.00
2	1,4-Dioxane	0.567	0.483	14.8	73	0.02
3	Pyridine	1.374	1.245	9.4	79	0.02
4	n-Nitrosodimethylamine	0.818	0.889	-8.7	95	0.05
5 S	2-Fluorophenol	1.296	1.267	2.2	87	0.00
6	Aniline	1.551	1.536	1.0	87	0.00
7 S	Phenol-d6	1.740	1.736	0.2	90	0.00
8	2-Chlorophenol	1.363	1.389	-1.9	91	0.00
9	Benzaldehyde	1.043	0.916	12.2	88	0.00
10 C	Phenol	1.832	1.820	0.7	89	0.01
11	bis(2-Chloroethyl)ether	1.409	1.327	5.8	85	0.00
12	1,3-Dichlorobenzene	1.526	1.520	0.4	90	0.00
13 C	1,4-Dichlorobenzene	1.540	1.554	-0.9	91	0.00
14	1,2-Dichlorobenzene	1.439	1.491	-3.6	92	0.00
15	Benzyl Alcohol	1.254	1.356	-8.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	2.426	2.186	9.9	81	0.00
17	2-Methylphenol	1.126	1.130	-0.4	89	0.00
18	Hexachloroethane	0.580	0.601	-3.6	92	0.00
19 P	n-Nitroso-di-n-propylamine	1.051	1.110	-5.6	98	0.00
20	3+4-Methylphenols	1.444	1.532	-6.1	98	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22	Acetophenone	0.490	0.511	-4.3	97	0.00
23 S	Nitrobenzene-d5	0.409	0.425	-3.9	96	0.00
24	Nitrobenzene	0.416	0.425	-2.2	94	0.00
25	Isophorone	0.699	0.702	-0.4	95	0.00
26 C	2-Nitrophenol	0.179	0.184	-2.8	92	0.00
27	2,4-Dimethylphenol	0.214	0.216	-0.9	93	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.416	2.1	91	0.00
29 C	2,4-Dichlorophenol	0.275	0.287	-4.4	96	0.00
30	1,2,4-Trichlorobenzene	0.318	0.328	-3.1	95	0.00
31	Naphthalene	1.053	1.059	-0.6	93	0.00
32	Benzoic acid	0.168	0.143	14.9	79	0.05
33	4-Chloroaniline	0.353	0.327	7.4	87	0.00
34 C	Hexachlorobutadiene	0.192	0.208	-8.3	101	0.00
35	Caprolactam	0.082	0.088	-7.3	104	0.03
36 C	4-Chloro-3-methylphenol	0.315	0.337	-7.0	101	0.01
37	2-Methylnaphthalene	0.665	0.691	-3.9	98	0.00
38	1-Methylnaphthalene	0.652	0.672	-3.1	97	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40	1,2,4,5-Tetrachlorobenzene	0.556	0.570	-2.5	103	0.00
41 P	Hexachlorocyclopentadiene	0.120	0.164	-36.7#	128	0.00
42 S	2,4,6-Tribromophenol	0.164	0.177	-7.9	111	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.337	0.6	100	0.00
44	2,4,5-Trichlorophenol	0.370	0.377	-1.9	102	0.01
45 S	2-Fluorobiphenyl	1.331	1.376	-3.4	105	0.00
46	1,1'-Biphenyl	1.566	1.559	0.4	101	0.00
47	2-Chloronaphthalene	1.165	1.167	-0.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138901.D
 Acq On : 10 Aug 2024 10:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 12 01:11:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	0.395	0.408	-3.3	104	0.00
49	Acenaphthylene	1.652	1.642	0.6	100	0.00
50	Dimethylphthalate	1.279	1.355	-5.9	110	0.00
51	2,6-Dinitrotoluene	0.289	0.309	-6.9	107	0.00
52 C	Acenaphthene	1.111	1.104	0.6	102	0.00
53	3-Nitroaniline	0.298	0.298	0.0	103	0.00
54 P	2,4-Dinitrophenol	0.133	0.153	-15.0	120	0.01
55	Dibenzofuran	1.568	1.590	-1.4	104	0.00
56 P	4-Nitrophenol	0.179	0.193	-7.8	110	0.02
57	2,4-Dinitrotoluene	0.368	0.405	-10.1	111	0.01
58	Fluorene	1.249	1.309	-4.8	108	0.00
59	2,3,4,6-Tetrachlorophenol	0.283	0.291	-2.8	106	0.00
60	Diethylphthalate	1.213	1.342	-10.6	116	0.00
61	4-Chlorophenyl-phenylether	0.614	0.659	-7.3	111	0.00
62	4-Nitroaniline	0.284	0.296	-4.2	108	0.02
63	Azobenzene	1.345	1.363	-1.3	104	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65	4,6-Dinitro-2-methylphenol	0.122	0.128	-4.9	112	0.02
66 c	n-Nitrosodiphenylamine	0.625	0.637	-1.9	110	0.00
67	4-Bromophenyl-phenylether	0.217	0.225	-3.7	113	0.00
68	Hexachlorobenzene	0.224	0.229	-2.2	114	0.00
69	Atrazine	0.161	0.148	8.1	99	0.00
70 C	Pentachlorophenol	0.101	0.121	-19.8	130	0.00
71	Phenanthrene	1.030	1.051	-2.0	112	0.00
72	Anthracene	1.015	1.029	-1.4	112	0.00
73	Carbazole	0.875	0.883	-0.9	111	0.00
74	Di-n-butylphthalate	0.984	1.131	-14.9	124	0.00
75 C	Fluoranthene	0.961	0.969	-0.8	109	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77	Benzydine	0.478	0.518	-8.4	89	0.00
78	Pyrene	1.883	2.088	-10.9	109	0.00
79 S	Terphenyl-d14	1.195	1.360	-13.8	113	0.00
80	Butylbenzylphthalate	0.603	0.668	-10.8	98	0.00
81	Benzo(a)anthracene	1.377	1.402	-1.8	92	0.00
82	3,3'-Dichlorobenzidine	0.352	0.373	-6.0	95	0.00
83	Chrysene	1.243	1.236	0.6	93	0.00
84	Bis(2-ethylhexyl)phthalate	0.883	0.871	1.4	84	-0.01
85 c	Di-n-octyl phthalate	1.634	1.522	6.9	80	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	78	0.00
87	Indeno(1,2,3-cd)pyrene	1.433	1.363	4.9	76	0.02
88	Benzo(b)fluoranthene	1.240	1.227	1.0	78	0.00
89	Benzo(k)fluoranthene	1.073	1.114	-3.8	86	0.00
90 C	Benzo(a)pyrene	1.043	1.061	-1.7	81	0.00
91	Dibenzo(a,h)anthracene	1.177	1.113	5.4	76	0.01
92	Benzo(g,h,i)perylene	1.221	1.134	7.1	74	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138901.D
 Acq On : 10 Aug 2024 10:41
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 12 01:11:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	87	0.00
2	1,4-Dioxane	40.000	34.071	14.8	73	0.02
3	Pyridine	40.000	36.250	9.4	79	0.02
4	n-Nitrosodimethylamine	40.000	43.453	-8.6	95	0.05
5 S	2-Fluorophenol	80.000	78.231	2.2	87	0.00
6	Aniline	40.000	39.613	1.0	87	0.00
7 S	Phenol-d6	80.000	79.839	0.2	90	0.00
8	2-Chlorophenol	40.000	40.753	-1.9	91	0.00
9	Benzaldehyde	40.000	35.120	12.2	88	0.00
10 C	Phenol	40.000	39.743	0.6	89	0.01
11	bis(2-Chloroethyl)ether	40.000	37.658	5.9	85	0.00
12	1,3-Dichlorobenzene	40.000	39.842	0.4	90	0.00
13 C	1,4-Dichlorobenzene	40.000	40.356	-0.9	91	0.00
14	1,2-Dichlorobenzene	40.000	41.442	-3.6	92	0.00
15	Benzyl Alcohol	40.000	43.260	-8.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.049	9.9	81	0.00
17	2-Methylphenol	40.000	40.163	-0.4	89	0.00
18	Hexachloroethane	40.000	41.486	-3.7	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	42.274	-5.7	98	0.00
20	3+4-Methylphenols	40.000	42.440	-6.1	98	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	92	0.00
22	Acetophenone	40.000	41.744	-4.4	97	0.00
23 S	Nitrobenzene-d5	80.000	83.191	-4.0	96	0.00
24	Nitrobenzene	40.000	40.822	-2.1	94	0.00
25	Isophorone	40.000	40.211	-0.5	95	0.00
26 C	2-Nitrophenol	40.000	41.134	-2.8	92	0.00
27	2,4-Dimethylphenol	40.000	40.261	-0.7	93	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.163	2.1	91	0.00
29 C	2,4-Dichlorophenol	40.000	41.631	-4.1	96	0.00
30	1,2,4-Trichlorobenzene	40.000	41.335	-3.3	95	0.00
31	Naphthalene	40.000	40.229	-0.6	93	0.00
32	Benzoic acid	40.000	33.892	15.3	79	0.05
33	4-Chloroaniline	40.000	36.967	7.6	87	0.00
34 C	Hexachlorobutadiene	40.000	43.255	-8.1	101	0.00
35	Caprolactam	40.000	42.813	-7.0	104	0.03
36 C	4-Chloro-3-methylphenol	40.000	42.827	-7.1	101	0.01
37	2-Methylnaphthalene	40.000	41.582	-4.0	98	0.00
38	1-Methylnaphthalene	40.000	41.263	-3.2	97	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.018	-2.5	103	0.00
41 P	Hexachlorocyclopentadiene	40.000	47.645	-19.1	128	0.00
42 S	2,4,6-Tribromophenol	80.000	86.555	-8.2	111	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.746	0.6	100	0.00
44	2,4,5-Trichlorophenol	40.000	40.677	-1.7	102	0.01
45 S	2-Fluorobiphenyl	80.000	82.684	-3.4	105	0.00
46	1,1'-Biphenyl	40.000	39.816	0.5	101	0.00
47	2-Chloronaphthalene	40.000	40.080	-0.2	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138901.D
 Acq On : 10 Aug 2024 10:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 12 01:11:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 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	41.277	-3.2	104	0.00
49	Acenaphthylene	40.000	39.744	0.6	100	0.00
50	Dimethylphthalate	40.000	42.377	-5.9	110	0.00
51	2,6-Dinitrotoluene	40.000	42.834	-7.1	107	0.00
52 C	Acenaphthene	40.000	39.769	0.6	102	0.00
53	3-Nitroaniline	40.000	39.908	0.2	103	0.00
54 P	2,4-Dinitrophenol	40.000	46.071	-15.2	120	0.01
55	Dibenzofuran	40.000	40.561	-1.4	104	0.00
56 P	4-Nitrophenol	40.000	43.021	-7.6	110	0.02
57	2,4-Dinitrotoluene	40.000	44.035	-10.1	111	0.01
58	Fluorene	40.000	41.948	-4.9	108	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.069	-2.7	106	0.00
60	Diethylphthalate	40.000	44.254	-10.6	116	0.00
61	4-Chlorophenyl-phenylether	40.000	42.898	-7.2	111	0.00
62	4-Nitroaniline	40.000	41.796	-4.5	108	0.02
63	Azobenzene	40.000	40.554	-1.4	104	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.064	-5.2	112	0.02
66 c	n-Nitrosodiphenylamine	40.000	40.760	-1.9	110	0.00
67	4-Bromophenyl-phenylether	40.000	41.631	-4.1	113	0.00
68	Hexachlorobenzene	40.000	41.012	-2.5	114	0.00
69	Atrazine	40.000	36.784	8.0	99	0.00
70 C	Pentachlorophenol	40.000	48.183	-20.5#	130	0.00
71	Phenanthrene	40.000	40.816	-2.0	112	0.00
72	Anthracene	40.000	40.562	-1.4	112	0.00
73	Carbazole	40.000	40.357	-0.9	111	0.00
74	Di-n-butylphthalate	40.000	45.963	-14.9	124	0.00
75 C	Fluoranthene	40.000	40.307	-0.8	109	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77	Benzydine	40.000	43.325	-8.3	89	0.00
78	Pyrene	40.000	44.353	-10.9	109	0.00
79 S	Terphenyl-d14	80.000	91.112	-13.9	113	0.00
80	Butylbenzylphthalate	40.000	44.312	-10.8	98	0.00
81	Benzo(a)anthracene	40.000	40.721	-1.8	92	0.00
82	3,3'-Dichlorobenzidine	40.000	42.286	-5.7	95	0.00
83	Chrysene	40.000	39.786	0.5	93	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.440	1.4	84	-0.01
85 c	Di-n-octyl phthalate	40.000	37.255	6.9	80	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	78	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.033	4.9	76	0.02
88	Benzo(b)fluoranthene	40.000	39.582	1.0	78	0.00
89	Benzo(k)fluoranthene	40.000	41.500	-3.8	86	0.00
90 C	Benzo(a)pyrene	40.000	40.704	-1.8	81	0.00
91	Dibenzo(a,h)anthracene	40.000	37.829	5.4	76	0.01
92	Benzo(g,h,i)perylene	40.000	37.138	7.2	74	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138901.D
Acq On : 10 Aug 2024 10:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 01:11:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1



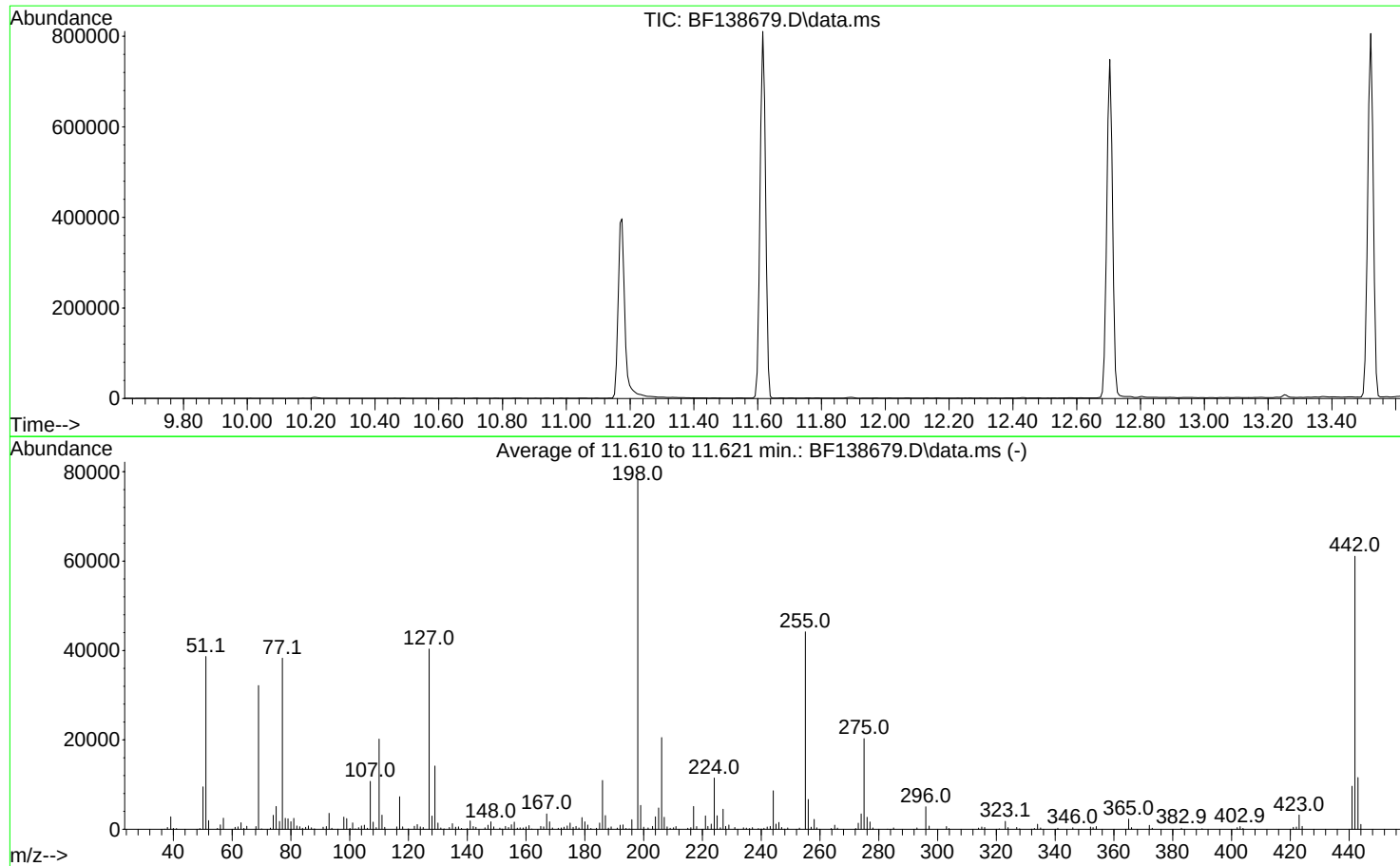
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



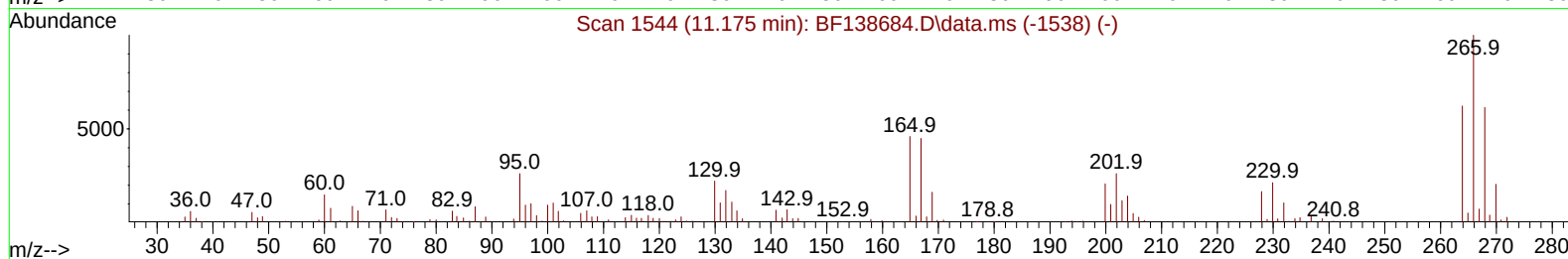
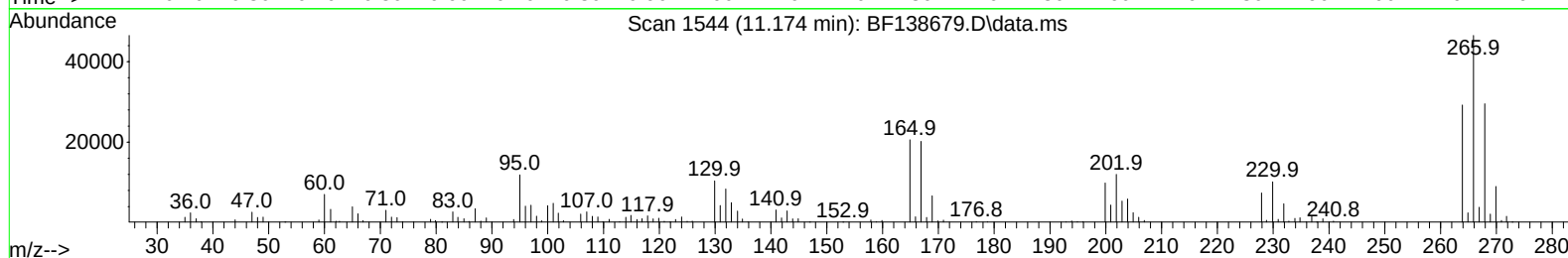
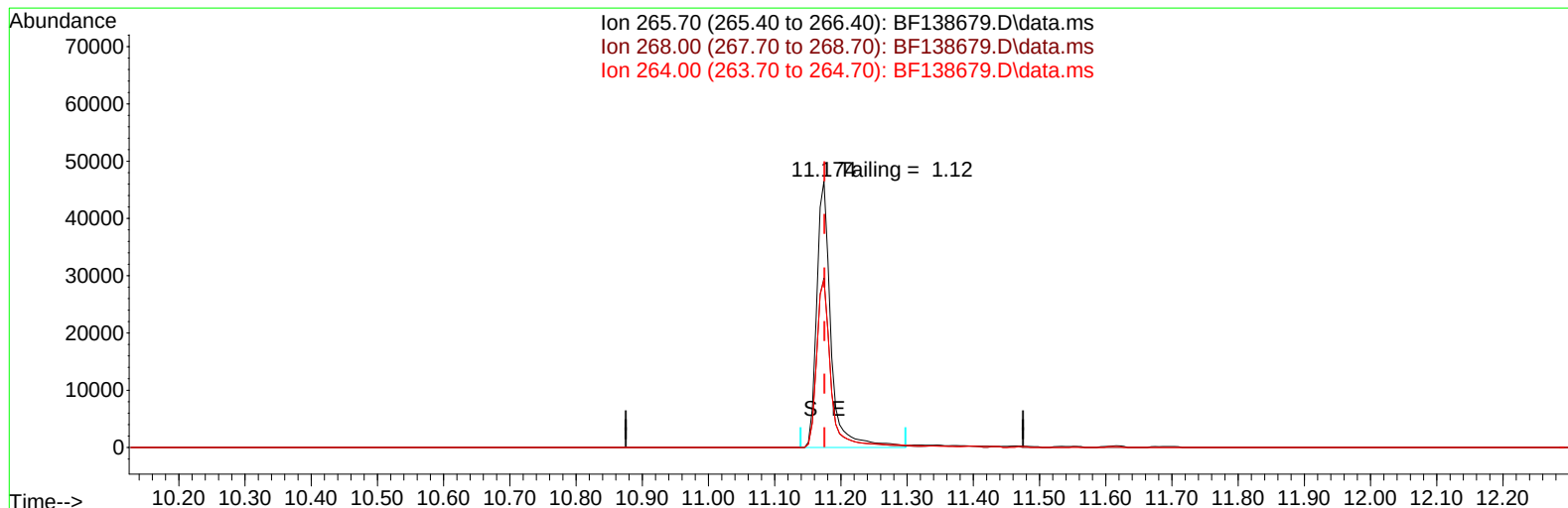
AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.4	38677	PASS
68	69	0.00	2	1.9	605	PASS
69	198	0.00	100	41.1	32171	PASS
70	69	0.00	2	0.4	120	PASS
127	198	10	80	51.5	40312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	78240	PASS
199	198	5	9	6.8	5335	PASS
275	198	10	60	25.9	20277	PASS
365	198	1	100	2.9	2288	PASS
441	198	0.01	100	12.3	9630	PASS
442	442	50	100	100.0	61072	PASS
443	442	15	24	18.9	11558	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 30 18:29:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138679.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 37845.67 ng

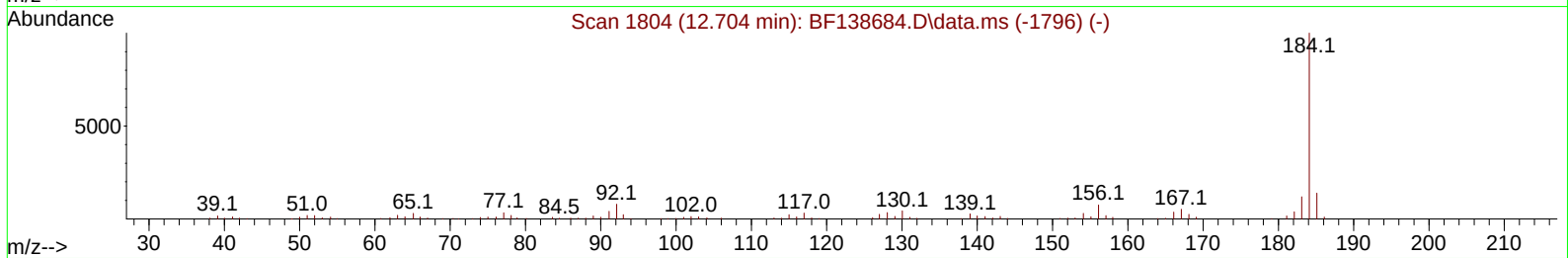
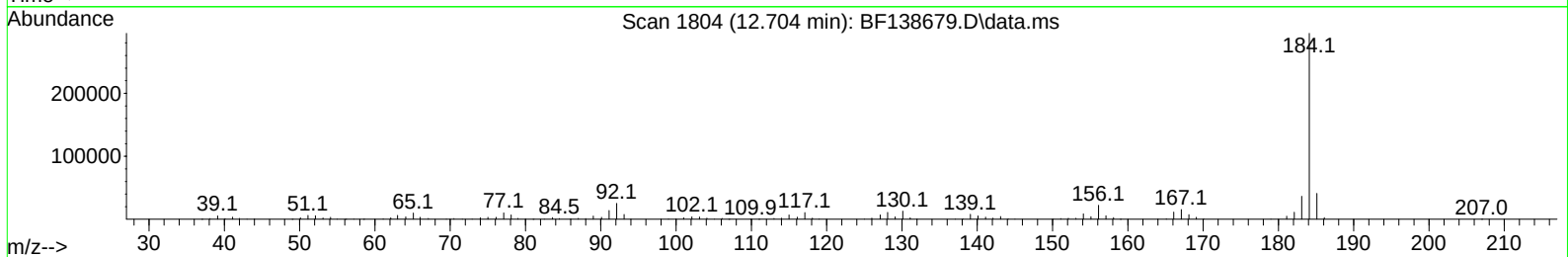
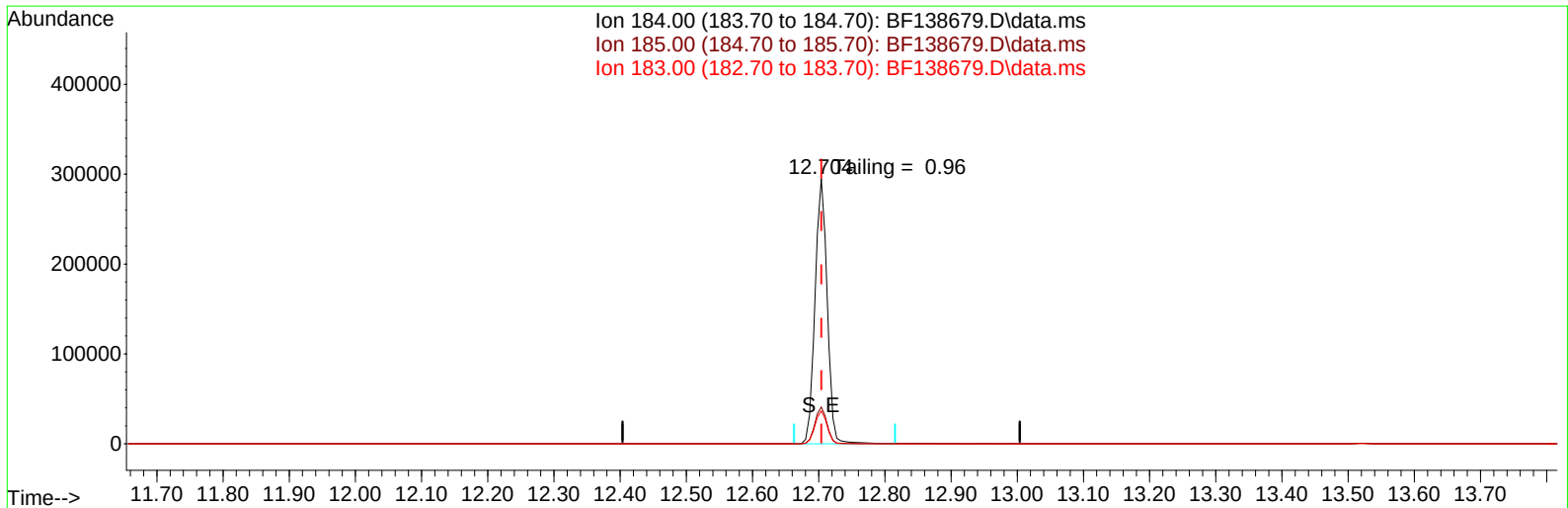
response 69604

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.56
264.00	62.20	62.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 30 18:29:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138679.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 376863

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.91
183.00	12.00	12.39
0.00	0.00	0.00

Instrument :

BNA_F

ClientSampleId :

DFTPP

DDT Breakdown

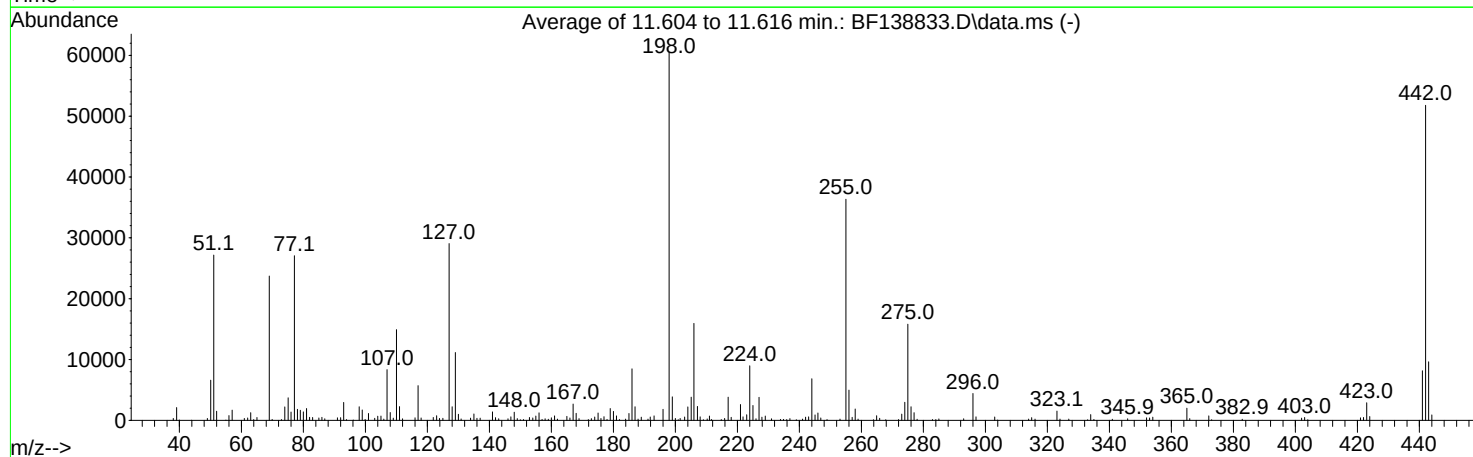
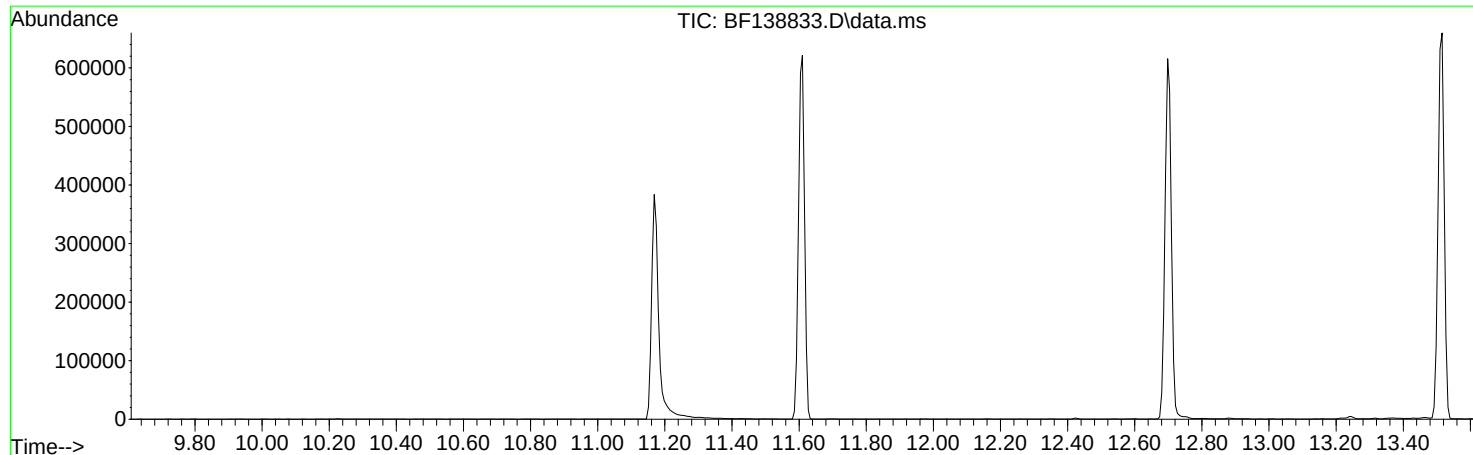
Date	Instrument Name	DFTPP Data File
7/30/2024	BNA_F	<u>BF138679.D</u>
Compound Name	Response	Retention Time
DDT	187682	13.521
DDD	3715	13.251
DDE	369	12.886
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4084	191766	2.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138833.D
Acq On : 07 Aug 2024 10:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



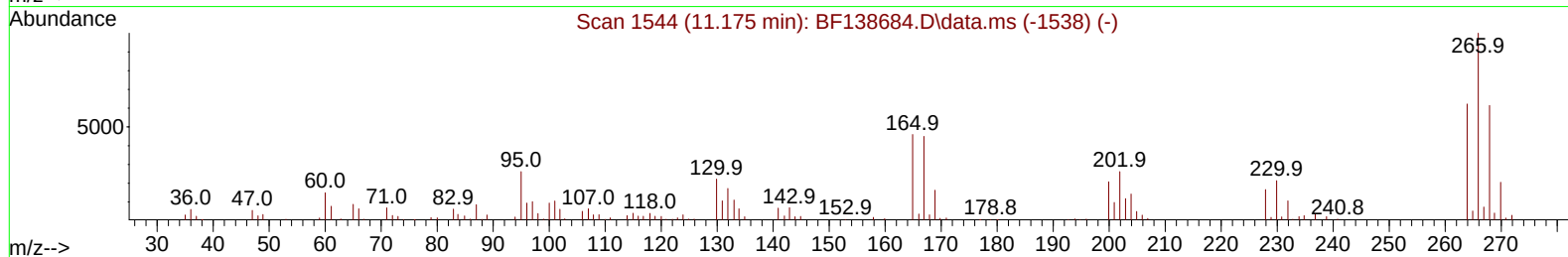
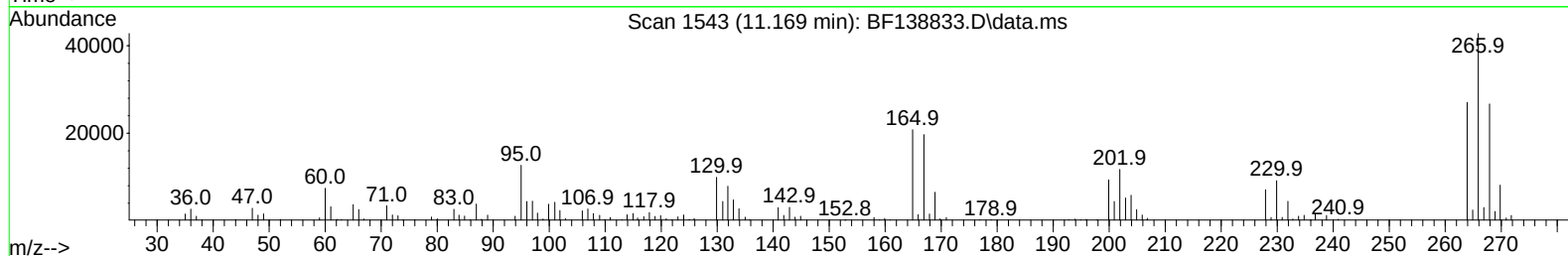
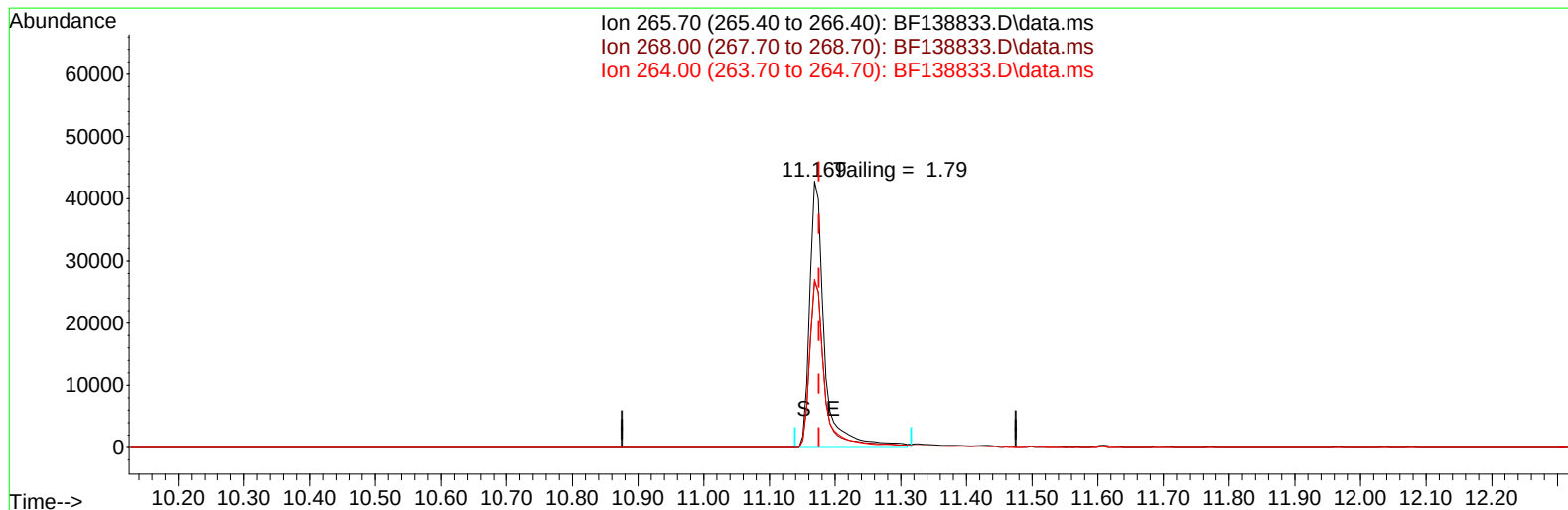
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1611

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	27181	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	39.2	23713	PASS
70	69	0.00	2	0.6	146	PASS
127	198	10	80	48.0	29053	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	60469	PASS
199	198	5	9	6.4	3864	PASS
275	198	10	60	26.2	15814	PASS
365	198	1	100	3.3	2002	PASS
441	198	0.01	100	13.5	8148	PASS
442	442	50	100	100.0	51789	PASS
443	442	15	24	18.6	9641	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138833.D
Acq On : 07 Aug 2024 10:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 07 11:59:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138833.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 57532.53 ng

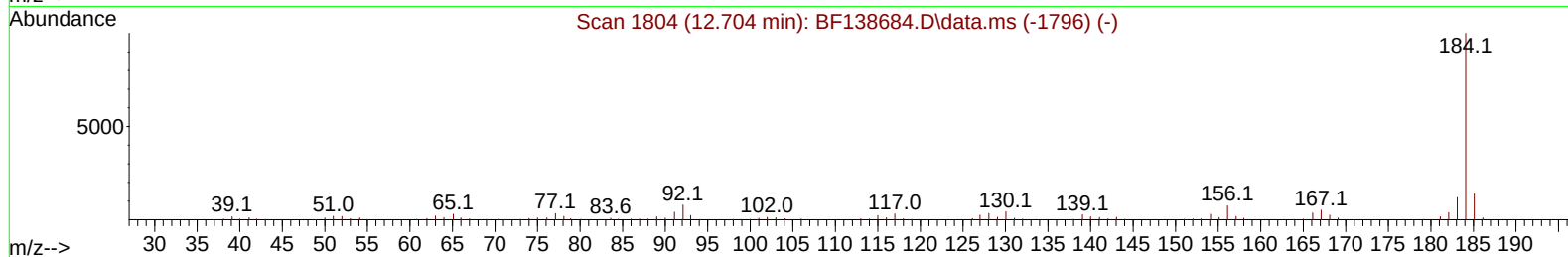
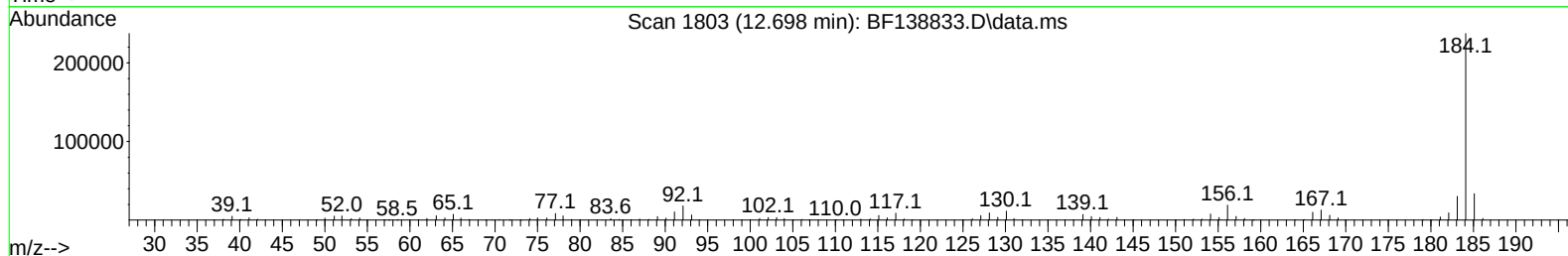
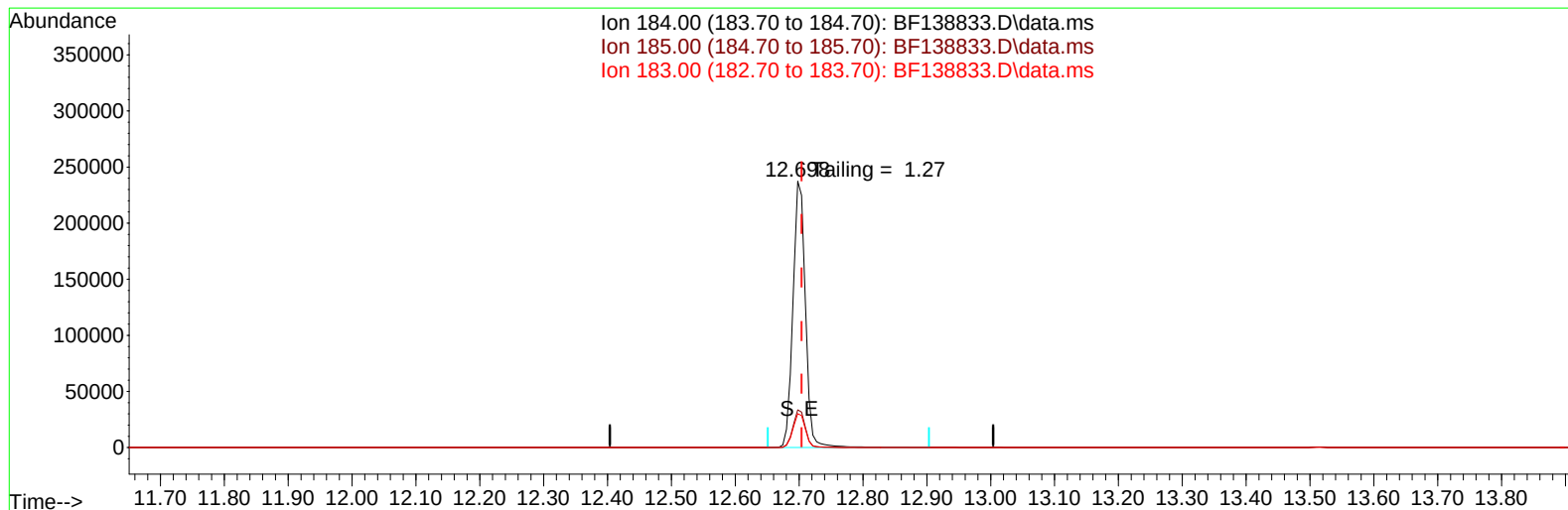
response 68125

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	62.36
264.00	62.20	63.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138833.D
Acq On : 07 Aug 2024 10:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 07 11:59:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138833.D\data.ms

(77) Benzidine

12.698min (-0.006) 0.00 ng

response 323216

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	14.17
183.00	12.00	12.73
0.00	0.00	0.00

Instrument :

BNA_F

ClientSampleId :

DFTPP

DDT Breakdown

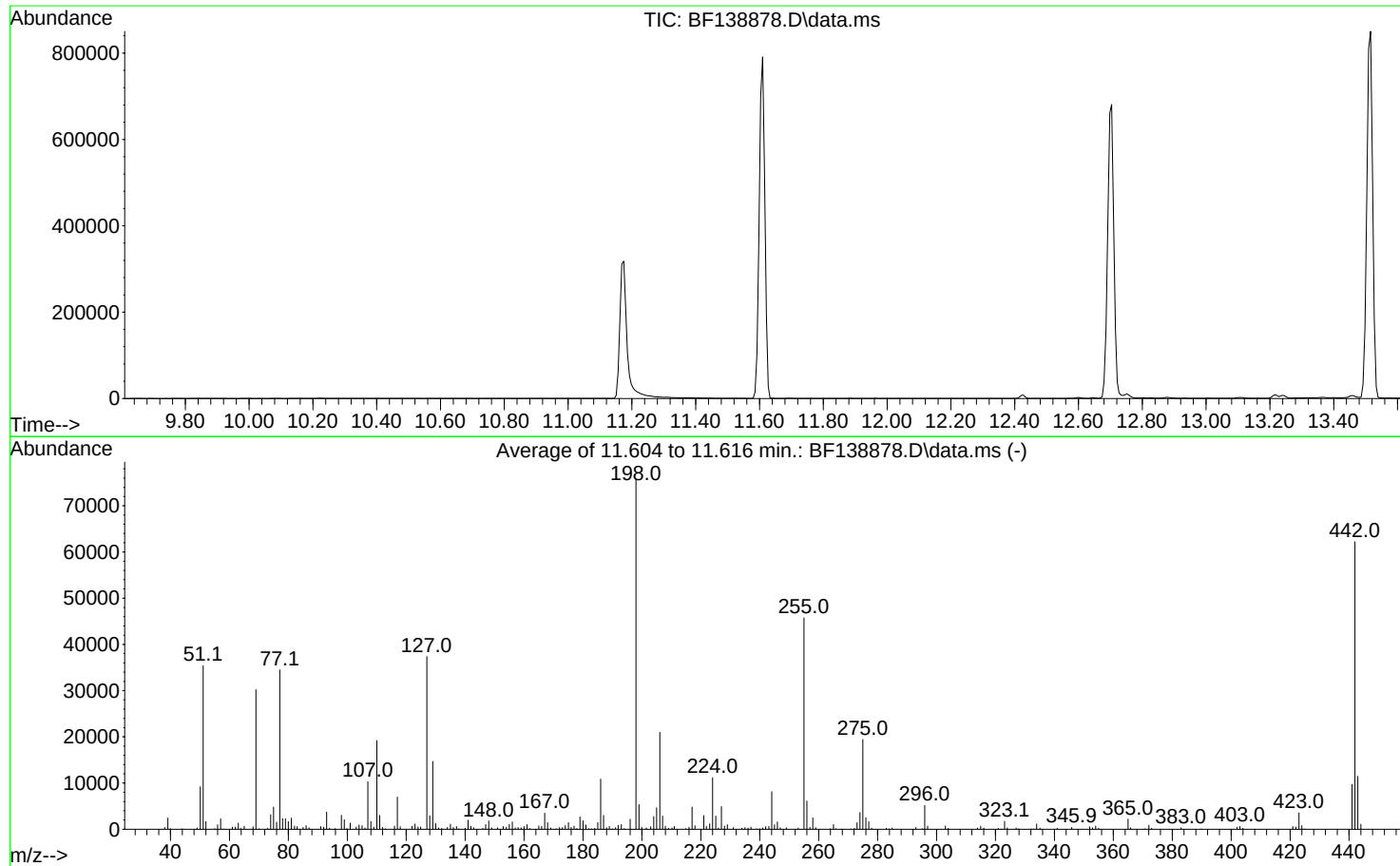
Date	Instrument Name	DFTPP Data File
8/7/2024	BNA_F	<u>BF138833.D</u>
Compound Name	Response	Retention Time
DDT	163406	13.516
DDD	2660	13.245
DDE	908	12.88
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3568	166974	2.14

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138878.D
Acq On : 09 Aug 2024 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	46.8	35389	PASS
68	69	0.00	2	1.9	576	PASS
69	198	0.00	100	39.9	30211	PASS
70	69	0.00	2	0.4	118	PASS
127	198	10	80	49.4	37373	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	75667	PASS
199	198	5	9	7.1	5335	PASS
275	198	10	60	25.7	19429	PASS
365	198	1	100	2.9	2201	PASS
441	198	0.01	100	12.8	9714	PASS
442	442	50	100	100.0	62237	PASS
443	442	15	24	18.4	11446	PASS

Instrument :

BNA_F

ClientSampleId :

DFTPP

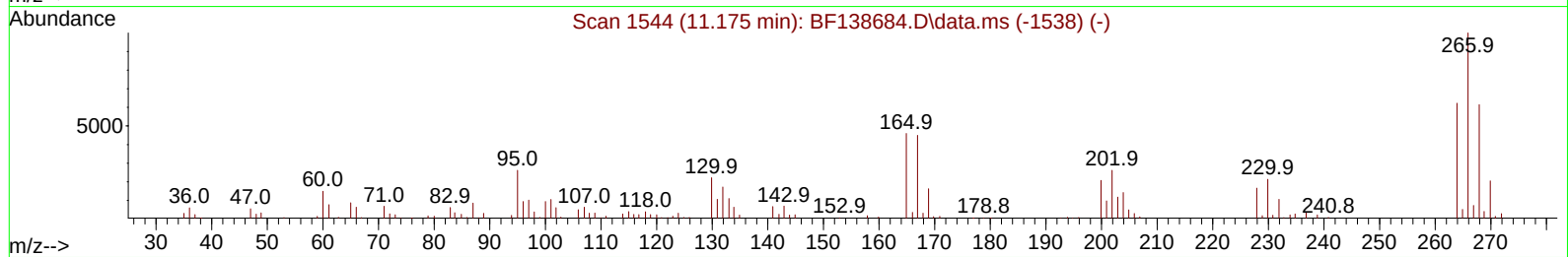
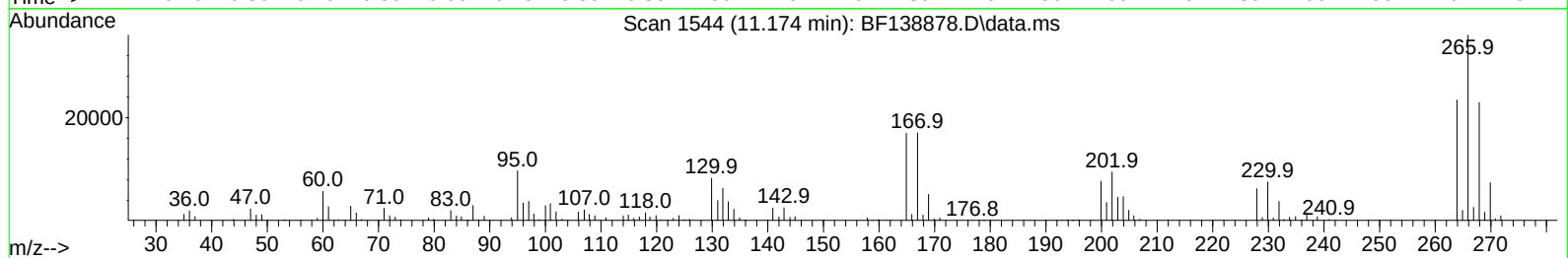
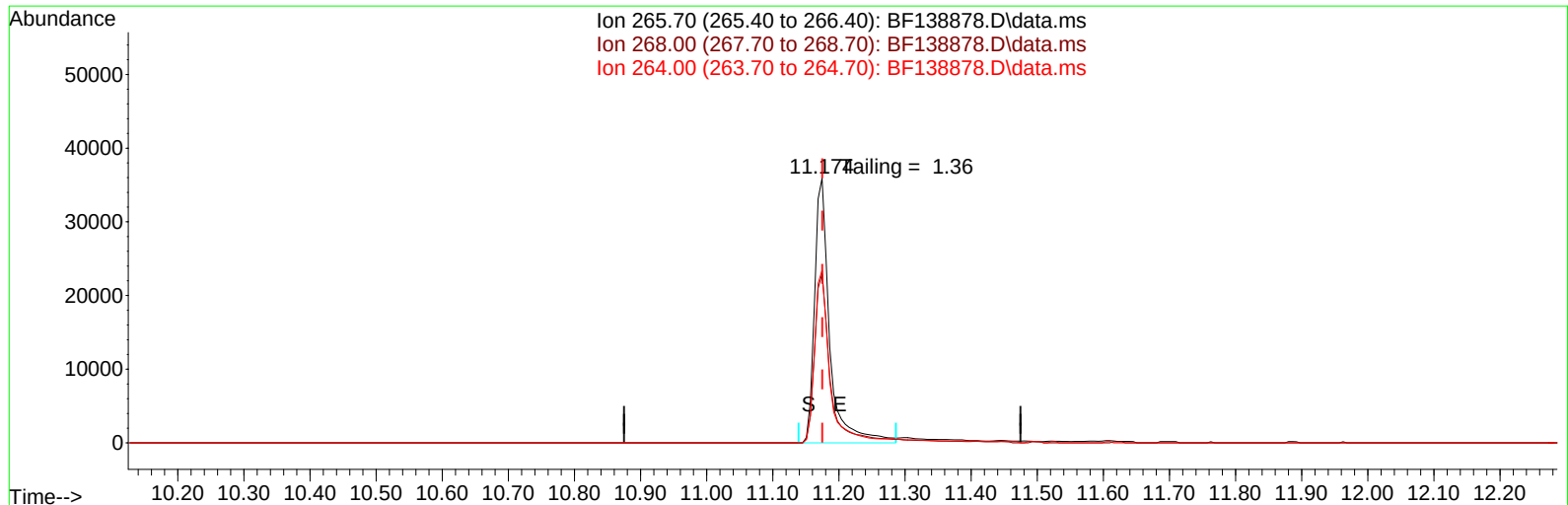
DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/9/2024	BNA_F	<u>BF138878.D</u>
Compound Name	Response	Retention Time
DDT	209857	13.515
DDD	5443	13.215
DDE	1045	12.88
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6488	216345	3.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138878.D
Acq On : 09 Aug 2024 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 09 10:51:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138878.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 26324.57 ng

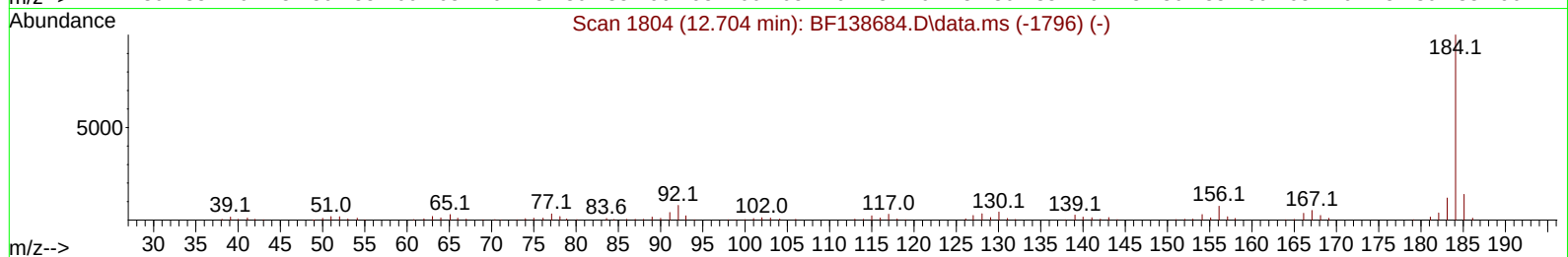
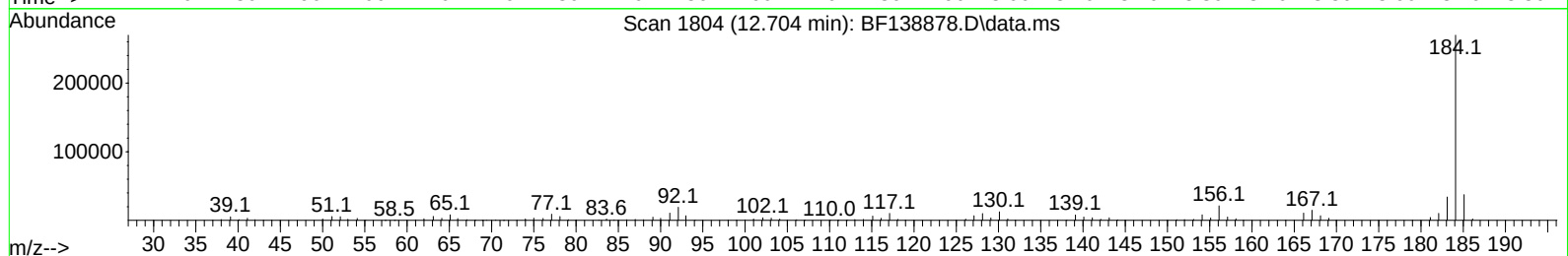
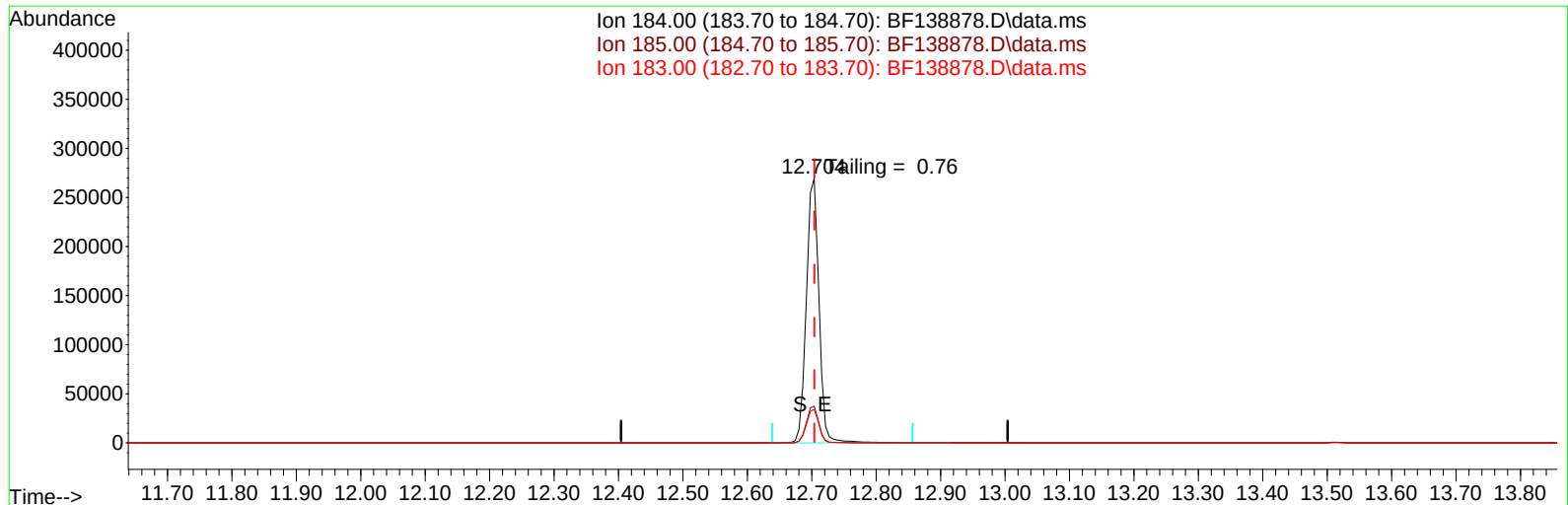
response 57700

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.86
264.00	62.20	65.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138878.D
Acq On : 09 Aug 2024 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 09 10:51:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138878.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 368946

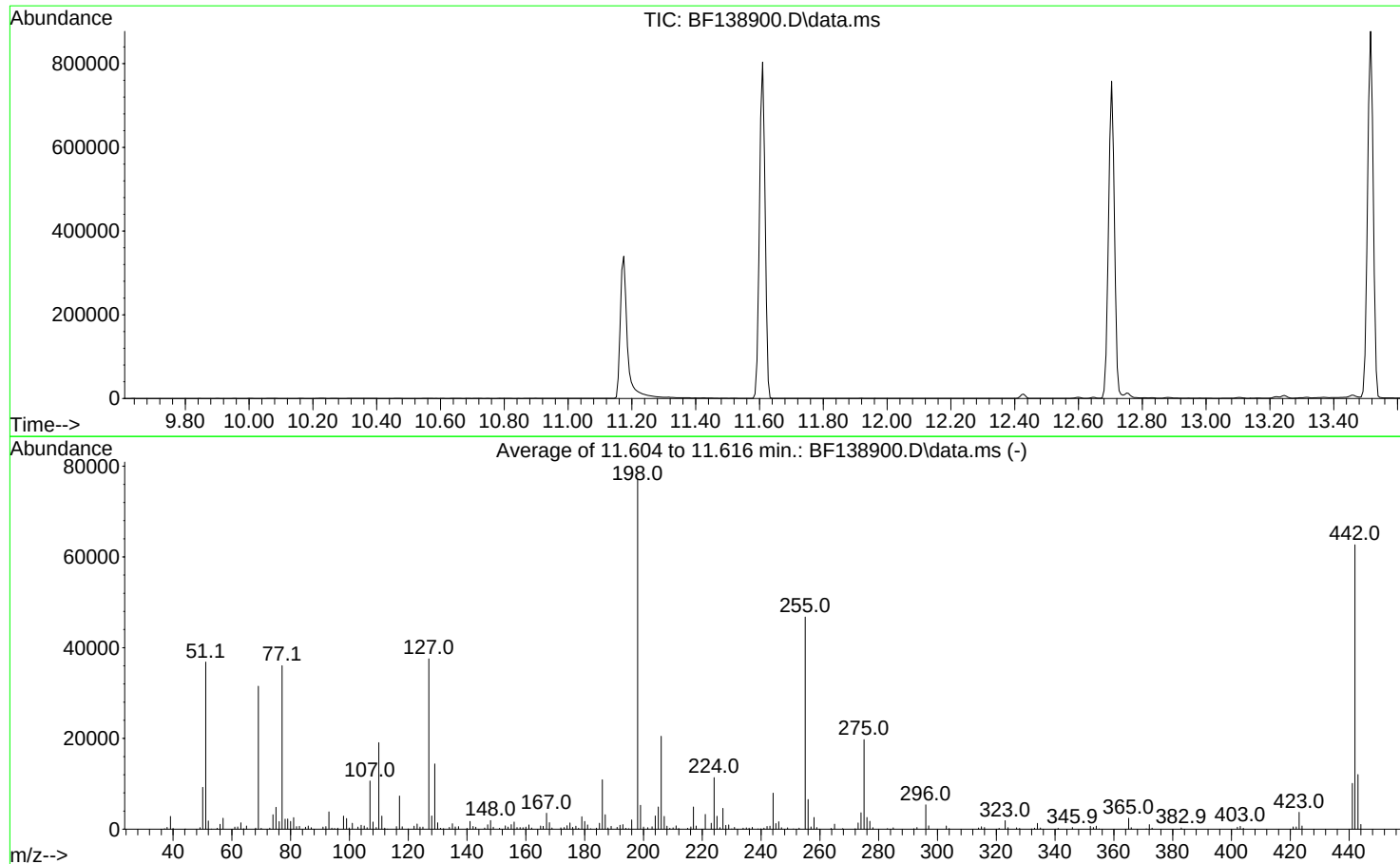
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.92
183.00	12.00	12.68
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138900.D
Acq On : 10 Aug 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1611

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	47.8	36840	PASS
68	69	0.00	2	0.8	242	PASS
69	198	0.00	100	40.9	31507	PASS
70	69	0.00	2	0.6	200	PASS
127	198	10	80	48.7	37536	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	77061	PASS
199	198	5	9	6.8	5274	PASS
275	198	10	60	25.6	19728	PASS
365	198	1	100	3.1	2410	PASS
441	198	0.01	100	13.1	10083	PASS
442	442	50	100	100.0	62667	PASS
443	442	15	24	19.2	12045	PASS

Instrument :

BNA_F

ClientSampleId :

DFTPP

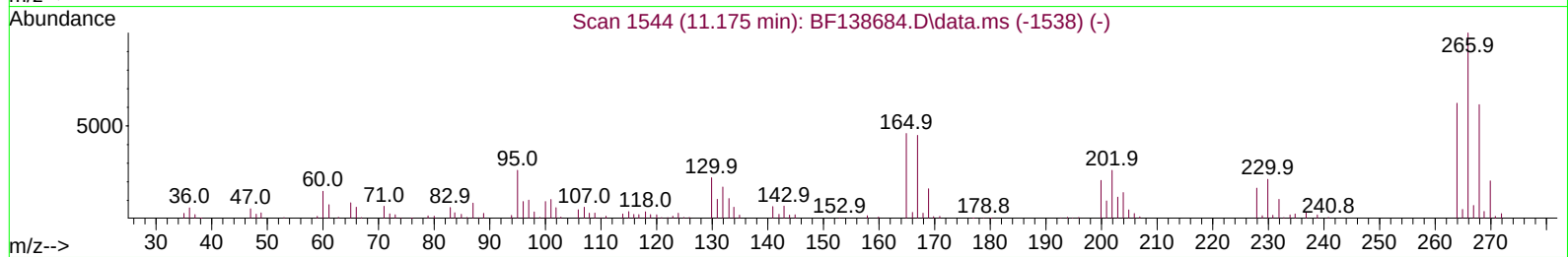
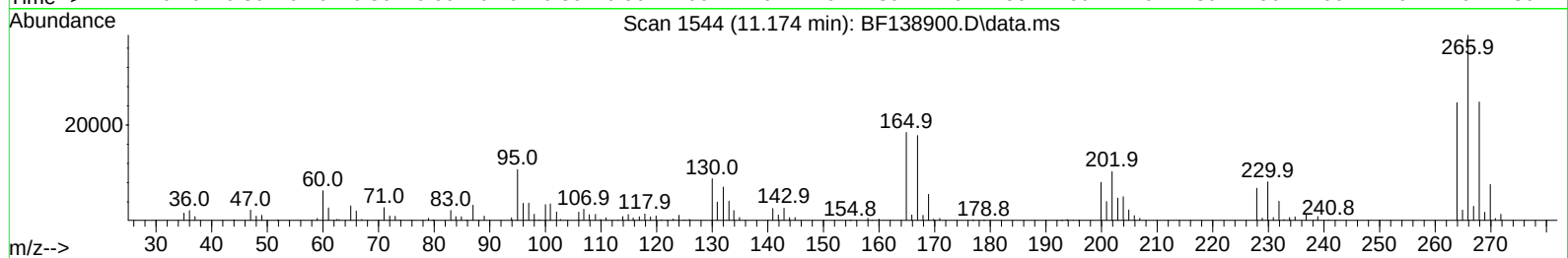
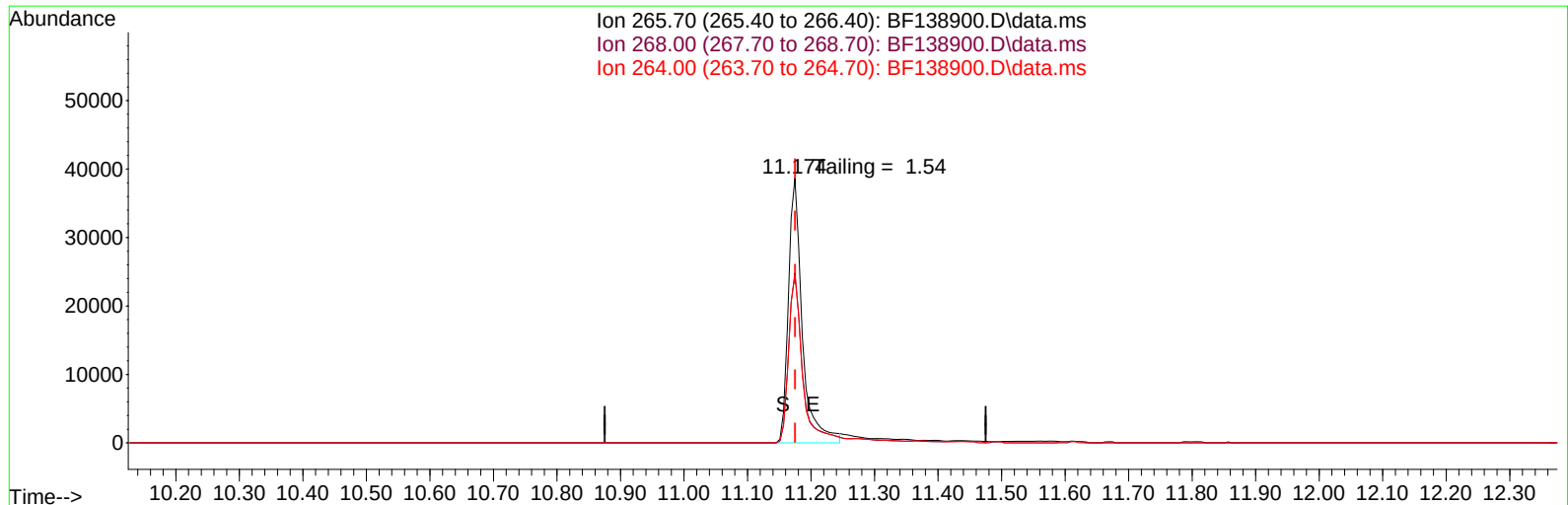
DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/10/2024	BNA_F	<u>BF138900.D</u>
Compound Name	Response	Retention Time
DDT	206441	13.515
DDD	4194	13.245
DDE	1167	12.88
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5361	211802	2.53

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138900.D
Acq On : 10 Aug 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 00:49:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138900.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 42180.16 ng

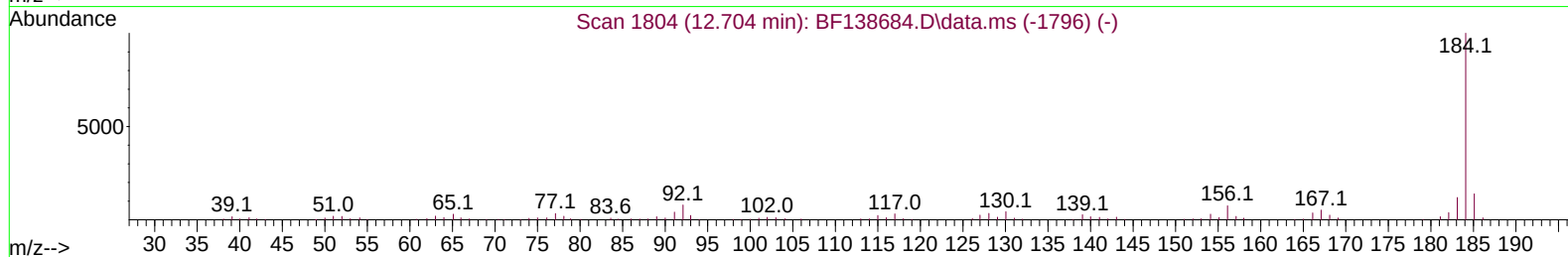
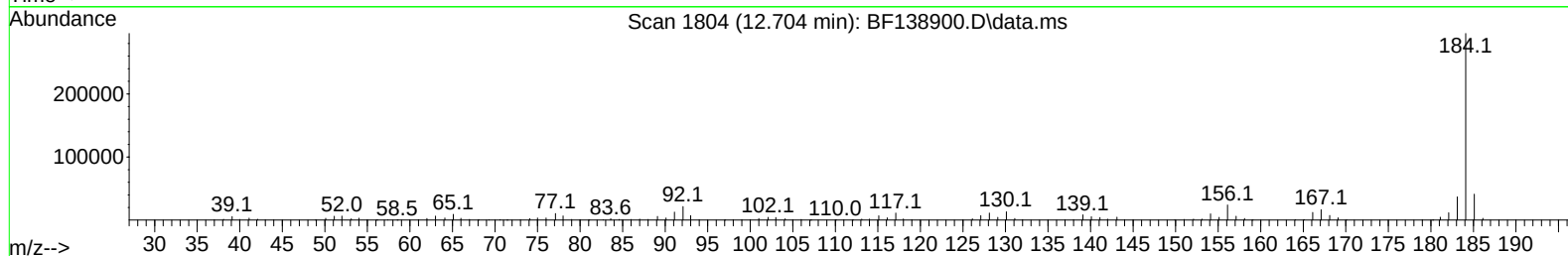
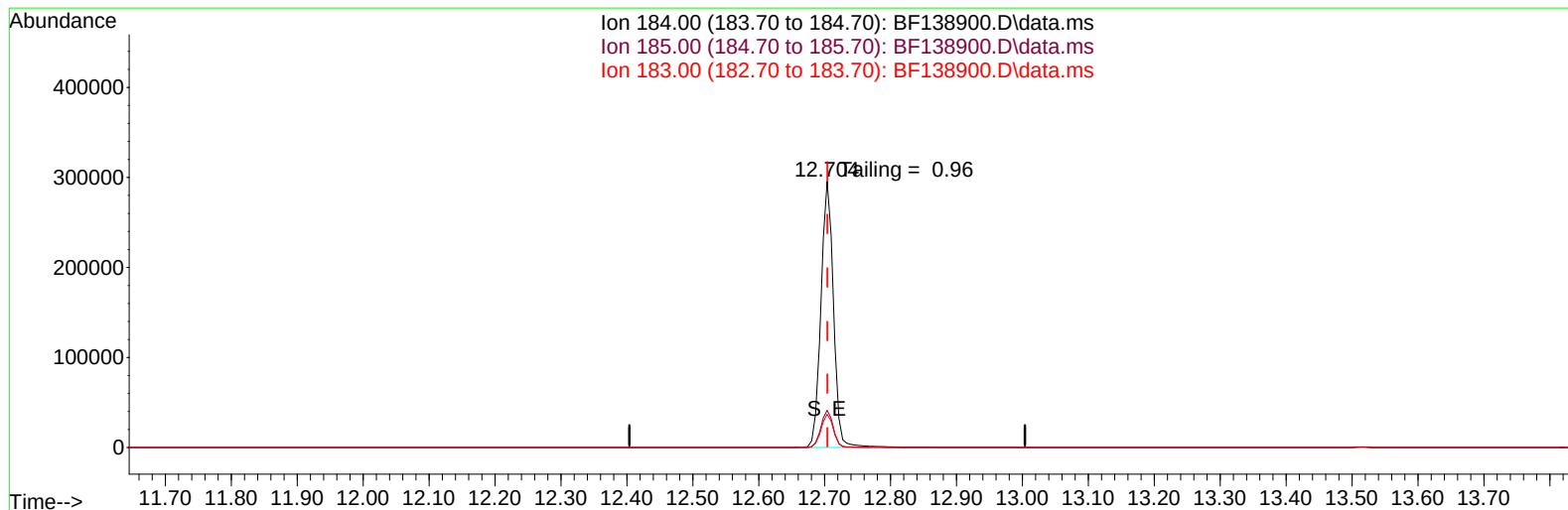
response 64186

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	64.11
264.00	62.20	63.74
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
Data File : BF138900.D
Acq On : 10 Aug 2024 10:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 00:49:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



TIC: BF138900.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 391893

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.95
183.00	12.00	12.47
0.00	0.00	0.00

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162423BL	SDG No.:	P3429
Lab Sample ID:	PB162423BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138883.D	1	08/01/24 08:20	08/09/24 11:52	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162423BL	SDG No.:	P3429
Lab Sample ID:	PB162423BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138883.D	1	08/01/24 08:20	08/09/24 11:52	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	161		15 (10) - 110 (139)	107%	SPK: 150
13127-88-3	Phenol-d6	161		15 (10) - 110 (134)	107%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		30 (49) - 130 (133)	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179	*	15 (44) - 110 (137)	120%	SPK: 150
1718-51-0	Terphenyl-d14	129		30 (48) - 130 (125)	129%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	40900	6.84
1146-65-2	Naphthalene-d8	169000	8.122
15067-26-2	Acenaphthene-d10	101000	9.875
1517-22-2	Phenanthrene-d10	196000	11.357
1719-03-5	Chrysene-d12	117000	13.998
1520-96-3	Perylene-d12	79000	15.463

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_F\Data\BF080924\
Data File : BF138883.D
Acq On : 09 Aug 2024 11:52
Operator : RC/JU
Sample : PB162423BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162423BL

Quant Time: Aug 09 12:30:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	40879	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	169292	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	101270	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	195894	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	116610	20.000	ng	0.00
86) Perylene-d12	15.463	264	79046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	425919	160.833	ng	0.01
7) Phenol-d6	6.487	99	571773	160.814	ng	0.00
23) Nitrobenzene-d5	7.404	82	372319	107.525	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	148717	179.277	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	713549	105.866	ng	-0.01
79) Terphenyl-d14	12.945	244	896366	128.699	ng	0.00

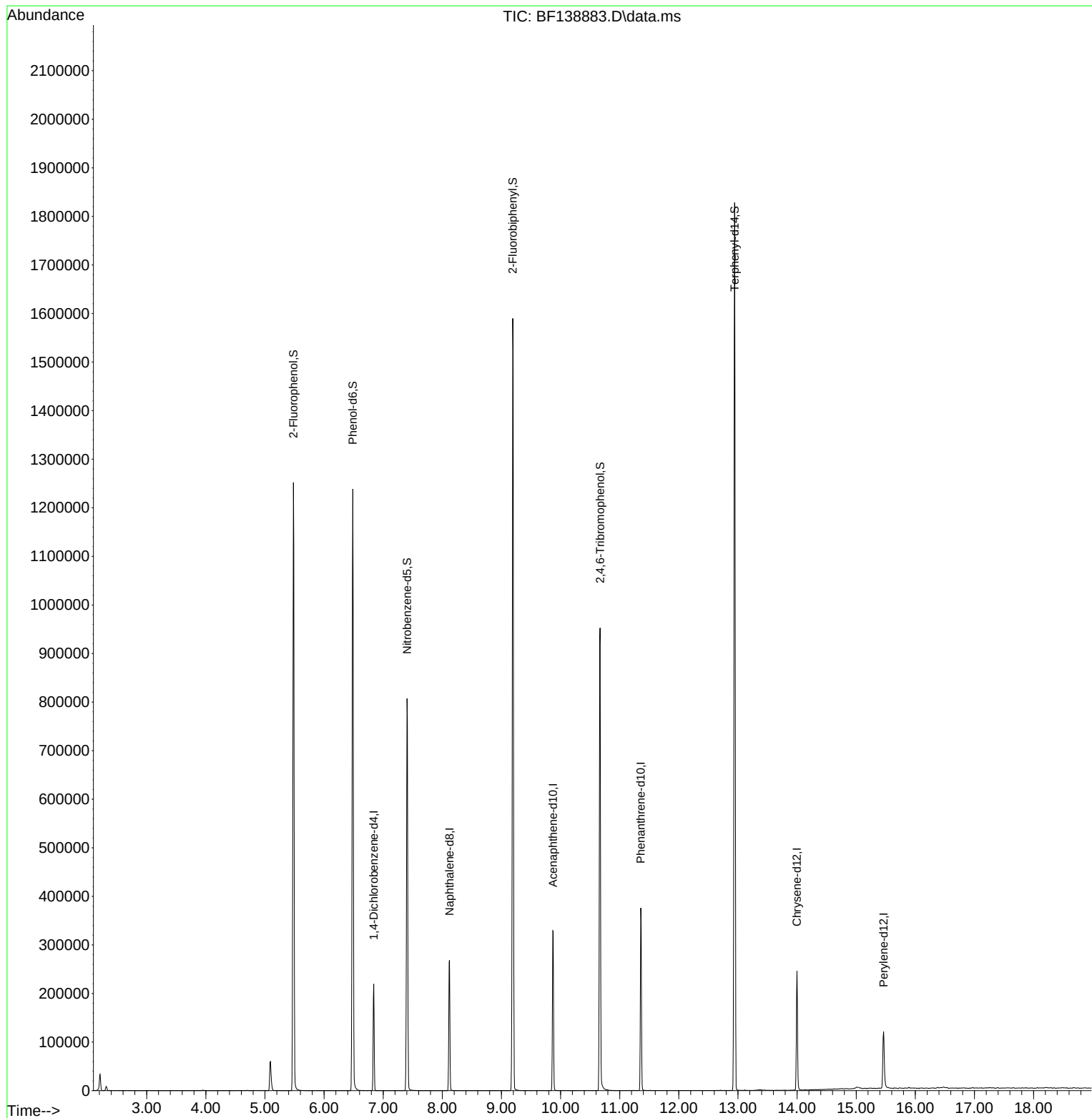
Target Compounds	Qvalue

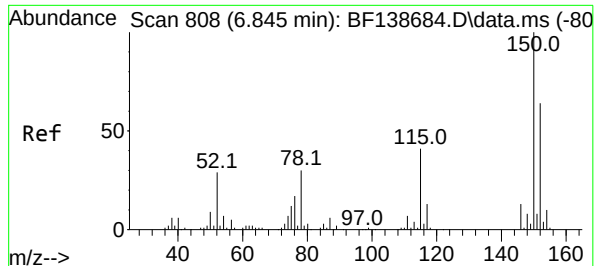
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
Data File : BF138883.D
Acq On : 09 Aug 2024 11:52
Operator : RC/JU
Sample : PB162423BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162423BL

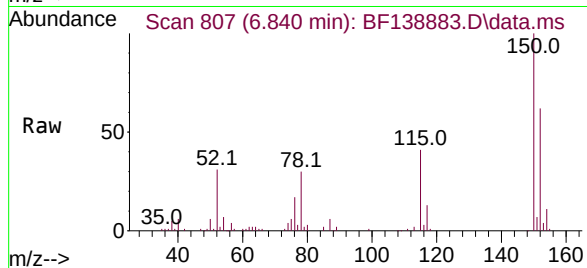
Quant Time: Aug 09 12:30:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



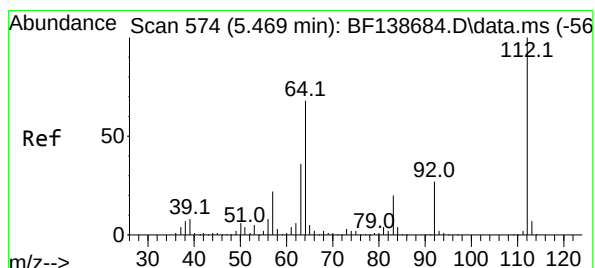
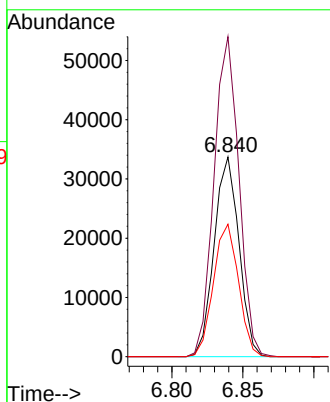
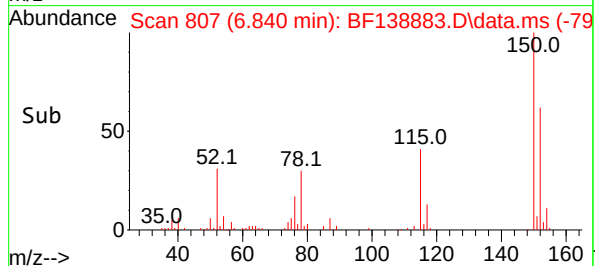


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

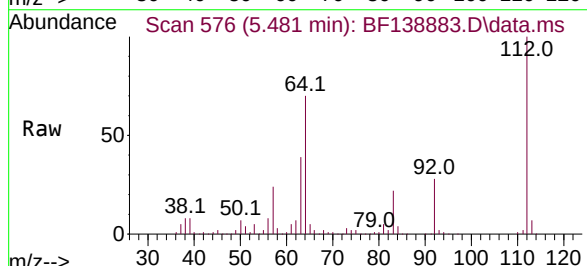
Instrument :
BNA_F
ClientSampleId :
PB162423BL



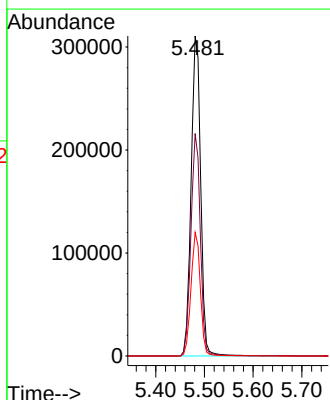
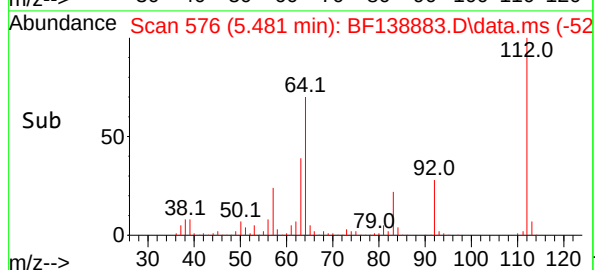
Tgt Ion:152 Resp: 40879
Ion Ratio Lower Upper
152 100
150 160.3 126.0 189.0
115 66.4 51.7 77.5

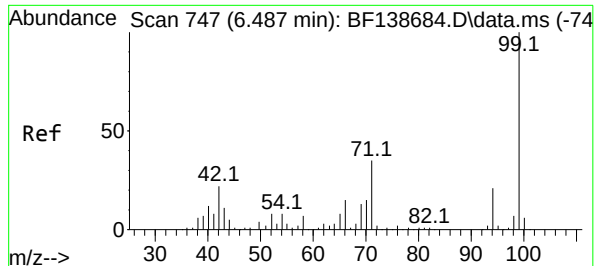


#5
2-Fluorophenol
Concen: 160.833 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52



Tgt Ion:112 Resp: 425919
Ion Ratio Lower Upper
112 100
64 69.5 54.2 81.4
63 38.6 28.7 43.1





#7

Phenol-d6

Concen: 160.814 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF138883.D

Acq: 09 Aug 2024 11:52

Instrument :

BNA_F

ClientSampleId :

PB162423BL

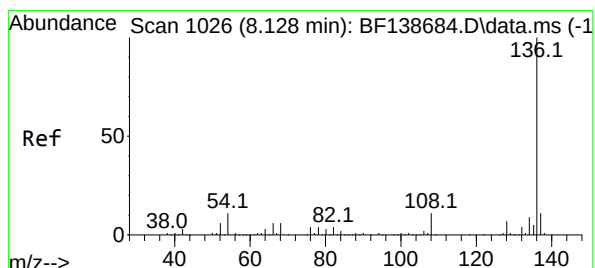
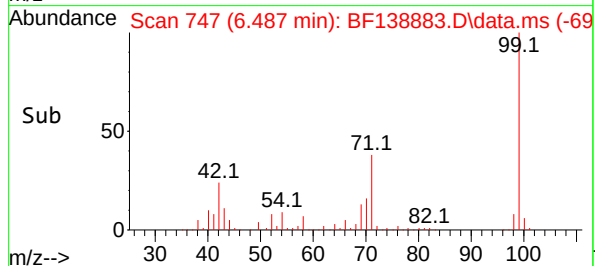
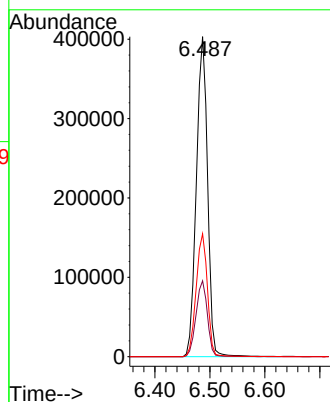
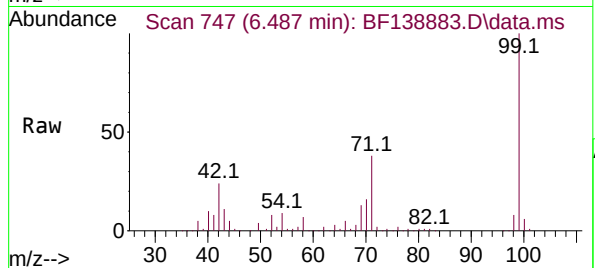
Tgt Ion: 99 Resp: 571773

Ion Ratio Lower Upper

99 100

42 23.7 17.4 26.0

71 38.4 28.1 42.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF138883.D

Acq: 09 Aug 2024 11:52

Tgt Ion: 136 Resp: 169292

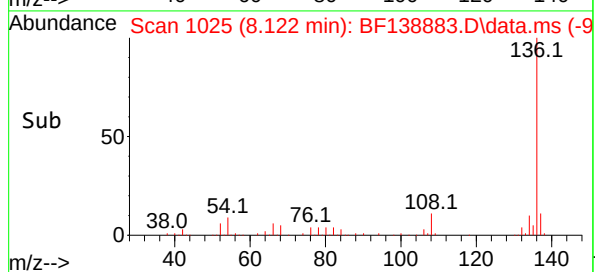
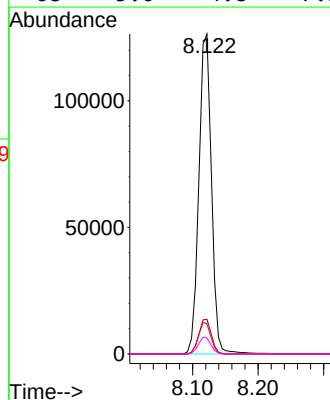
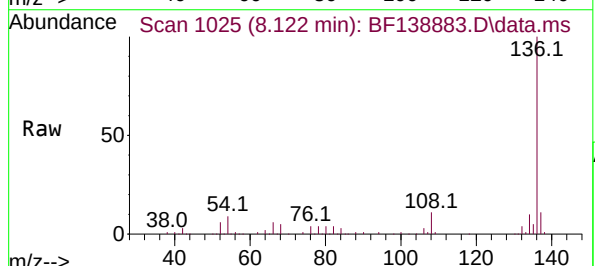
Ion Ratio Lower Upper

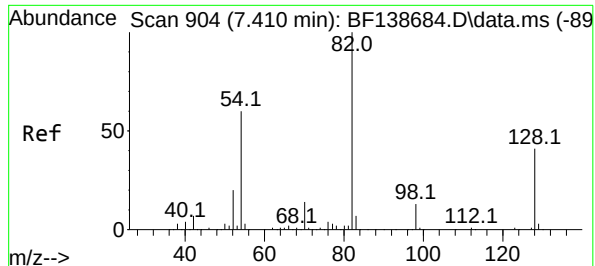
136 100

137 10.9 8.9 13.3

54 9.5 8.6 12.8

68 5.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 107.525 ng

RT: 7.404 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF138883.D

Acq: 09 Aug 2024 11:52

Instrument :

BNA_F

ClientSampleId :

PB162423BL

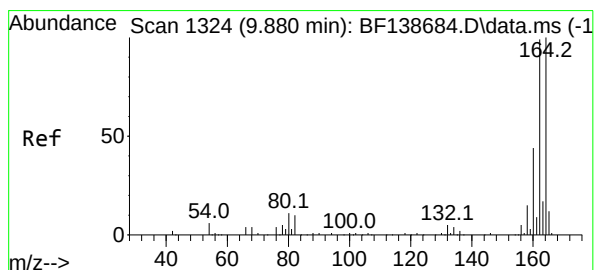
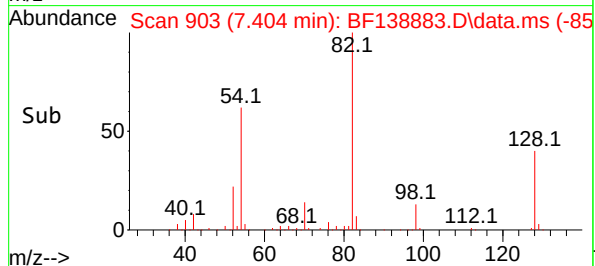
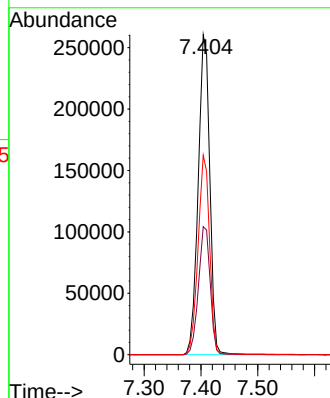
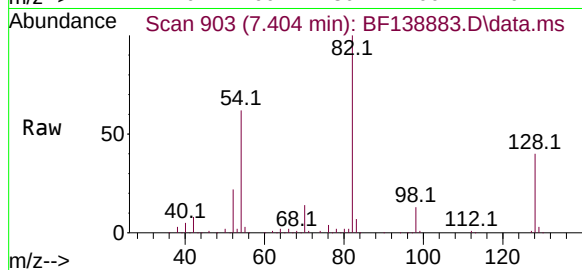
Tgt Ion: 82 Resp: 372319

Ion Ratio Lower Upper

82 100

128 40.0 32.8 49.2

54 62.4 48.3 72.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1323

Delta R.T. -0.005 min

Lab File: BF138883.D

Acq: 09 Aug 2024 11:52

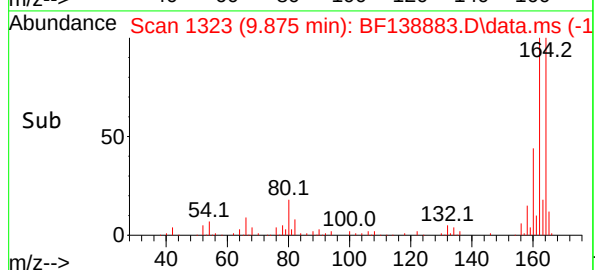
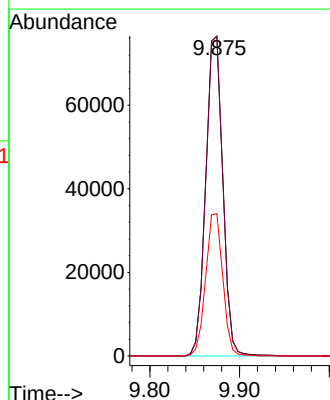
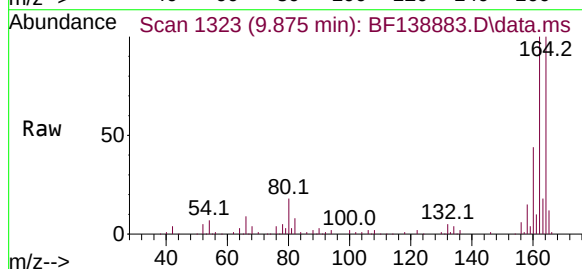
Tgt Ion: 164 Resp: 101270

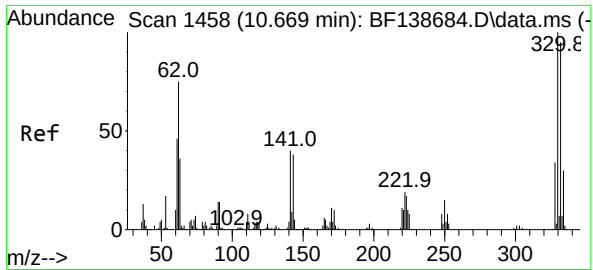
Ion Ratio Lower Upper

164 100

162 100.2 79.4 119.0

160 44.5 35.1 52.7

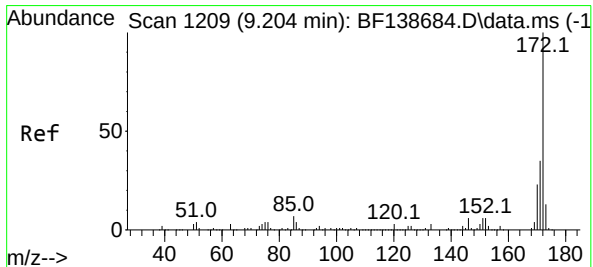
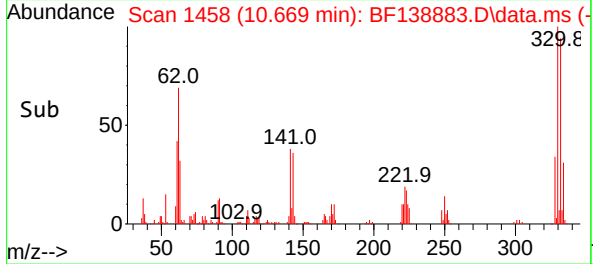
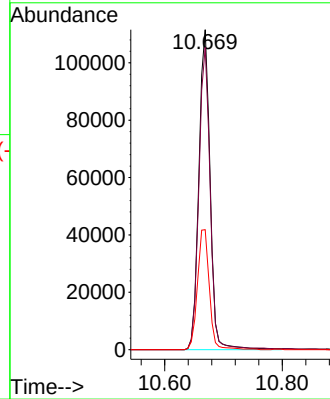
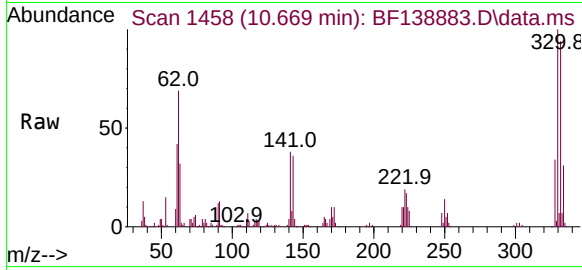




#42
2,4,6-Tribromophenol
Concen: 179.277 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

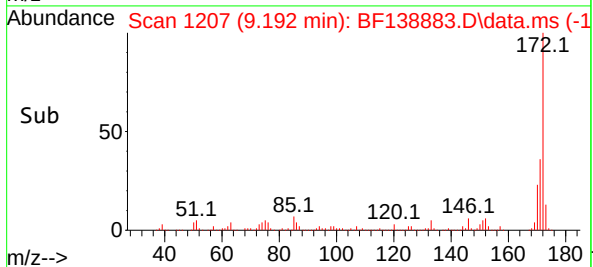
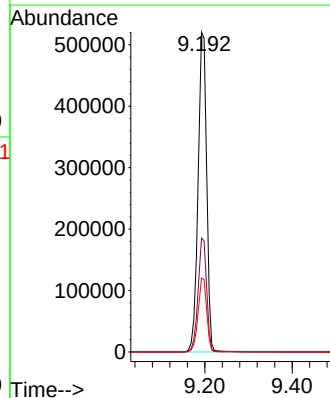
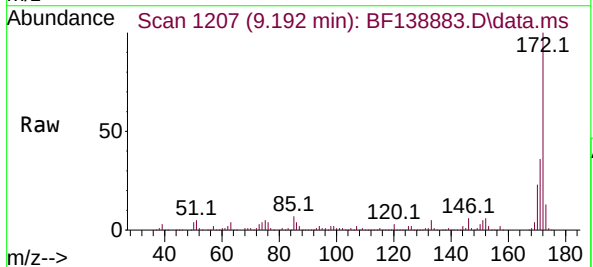
Instrument :
BNA_F
ClientSampleId :
PB162423BL

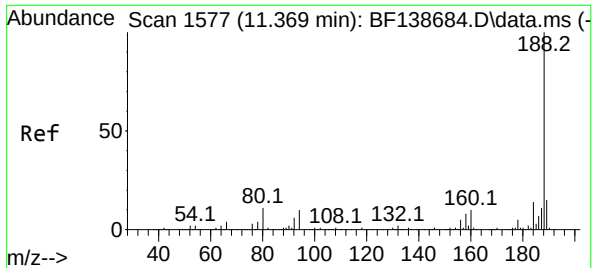
Tgt Ion:330 Resp: 148717
Ion Ratio Lower Upper
330 100
332 94.2 76.4 114.6
141 39.5 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 105.866 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

Tgt Ion:172 Resp: 713549
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.1 18.8 28.2

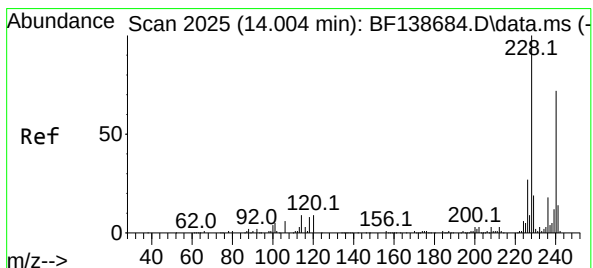
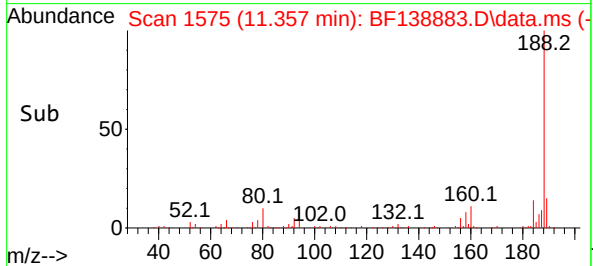
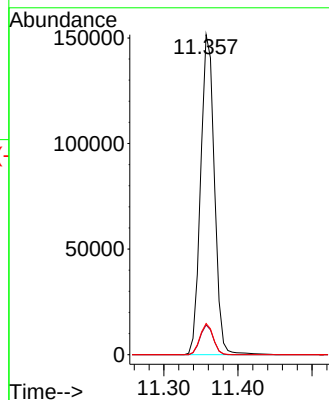
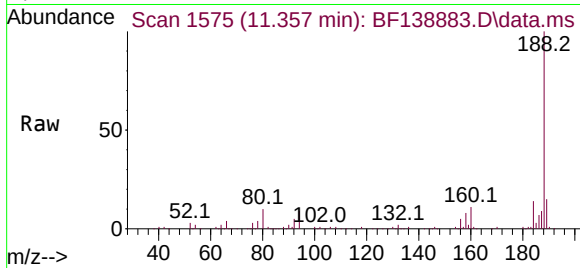




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

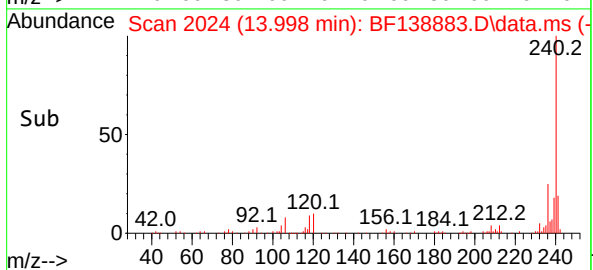
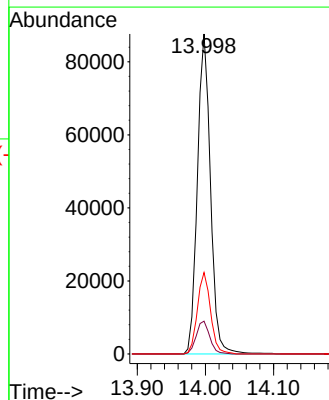
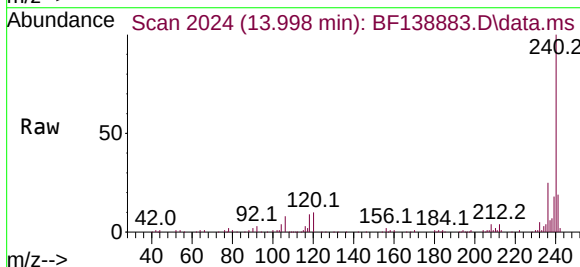
Instrument :
BNA_F
ClientSampleId :
PB162423BL

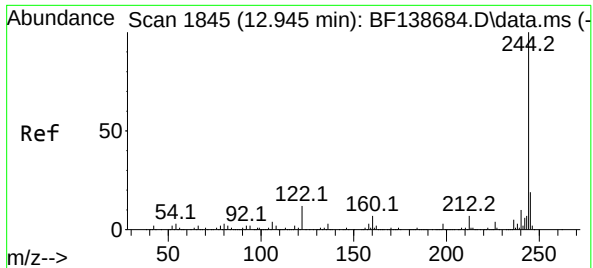
Tgt Ion:188 Resp: 195894
Ion Ratio Lower Upper
188 100
94 9.3 7.6 11.4
80 9.8 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

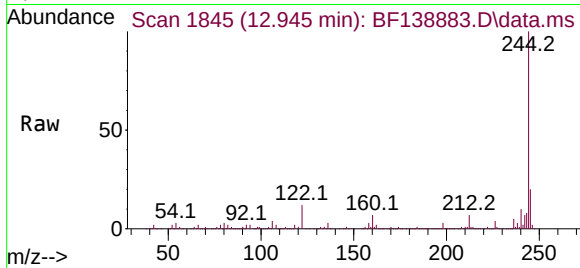
Tgt Ion:240 Resp: 116610
Ion Ratio Lower Upper
240 100
120 10.3 10.2 15.4
236 25.4 19.8 29.8



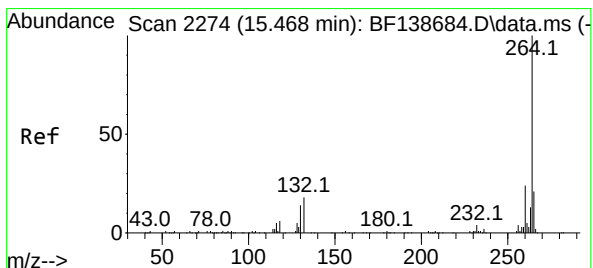
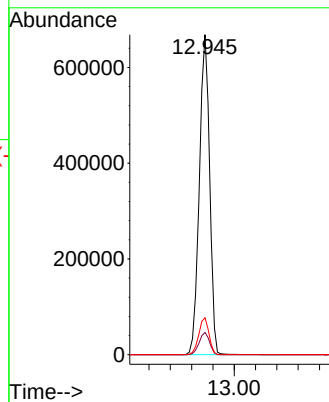
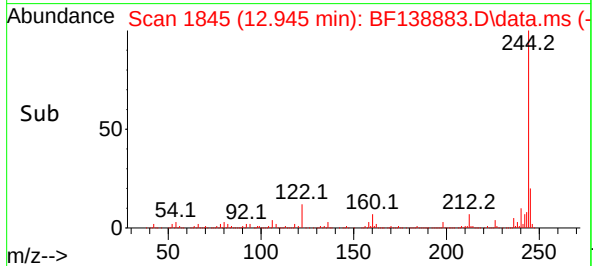


#79
Terphenyl-d14
Concen: 128.699 ng
RT: 12.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52

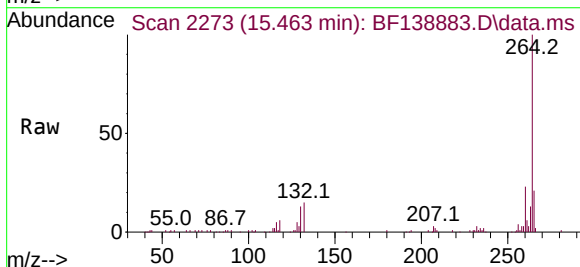
Instrument :
BNA_F
ClientSampleId :
PB162423BL



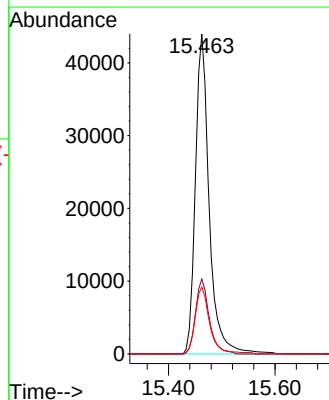
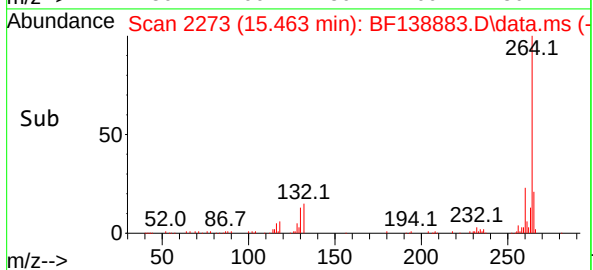
Tgt Ion:244 Resp: 896366
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.5 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138883.D
Acq: 09 Aug 2024 11:52



Tgt Ion:264 Resp: 79046
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 20.9 17.0 25.6



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162423BS	SDG No.:	P3429
Lab Sample ID:	PB162423BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138884.D	1	08/01/24 08:20	08/09/24 12:23	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	33.5		1.60	5.00	ug/L
100-52-7	Benzaldehyde	40.0		4.00	10.0	ug/L
95-48-7	2-Methylphenol	48.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	51.0		1.20	10.0	ug/L
67-72-1	Hexachloroethane	46.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	43.2		1.30	5.00	ug/L
91-20-3	Naphthalene	44.7		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.4		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	47.5		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	45.6		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.7		1.00	5.00	ug/L
208-96-8	Acenaphthylene	48.8		1.00	5.00	ug/L
83-32-9	Acenaphthene	44.3		0.81	5.00	ug/L
132-64-9	Dibenzofuran	47.1		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.2		1.50	5.00	ug/L
86-73-7	Fluorene	47.6		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	45.2		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	79.7		1.90	10.0	ug/L
85-01-8	Phenanthrene	46.8		0.89	5.00	ug/L
120-12-7	Anthracene	48.3		1.10	5.00	ug/L
86-74-8	Carbazole	46.3		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	55.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	48.3		1.30	5.00	ug/L
129-00-0	Pyrene	50.3		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	46.8		0.94	5.00	ug/L
218-01-9	Chrysene	47.5		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.6		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	48.2		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	53.2		1.20	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162423BS	SDG No.:	P3429
Lab Sample ID:	PB162423BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138884.D	1	08/01/24 08:20	08/09/24 12:23	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	52.4		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.6		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	30.1		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	44.0		0.86	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	135		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	133		15 (10) - 110 (134)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.7		30 (49) - 130 (133)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.0		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		15 (44) - 110 (137)	91%	SPK: 150
1718-51-0	Terphenyl-d14	118		30 (48) - 130 (125)	118%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	54700	6.84
1146-65-2	Naphthalene-d8	240000	8.122
15067-26-2	Acenaphthene-d10	137000	9.881
1517-22-2	Phenanthrene-d10	238000	11.363
1719-03-5	Chrysene-d12	115000	14.004
1520-96-3	Perylene-d12	99100	15.463

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_F\Data\BF080924\
 Data File : BF138884.D
 Acq On : 09 Aug 2024 12:23
 Operator : RC/JU
 Sample : PB162423BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024

Quant Time: Aug 09 12:54:42 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 30 17:50:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	54661	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	239610	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	137458	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	237762	20.000	ng	0.00
76) Chrysene-d12	14.004	240	114847	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	99135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	477615	134.881	ng	0.02
7) Phenol-d6	6.493	99	631214	132.770	ng	0.00
23) Nitrobenzene-d5	7.410	82	415059	84.691	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	152861	135.760	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	795512	86.954	ng	0.00
79) Terphenyl-d14	12.945	244	806212	117.532	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	46677	30.109	ng	95
3) Pyridine	3.469	79	125908	33.527	ng	94
4) n-Nitrosodimethylamine	3.434	42	114066	50.998	ng	86
6) Aniline	6.510	93	147325	34.748	ng	# 14
8) 2-Chlorophenol	6.634	128	189614	50.896	ng	97
9) Benzaldehyde	6.398	77	114103	40.037	ng	99
10) Phenol	6.510	94	241114	48.169	ng	84
11) bis(2-Chloroethyl)ether	6.581	93	176233	45.752	ng	99
12) 1,3-Dichlorobenzene	6.781	146	187684	45.005	ng	98
13) 1,4-Dichlorobenzene	6.857	146	191826	45.580	ng	98
14) 1,2-Dichlorobenzene	7.010	146	185073	47.054	ng	100
15) Benzyl Alcohol	6.992	79	180837	52.775	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	292552	44.132	ng	# 46
17) 2-Methylphenol	7.110	107	150245	48.839	ng	# 85
18) Hexachloroethane	7.345	117	72794	45.950	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	148488	51.712	ng	98
20) 3+4-Methylphenols	7.263	107	201368	51.017	ng	# 79
22) Acetophenone	7.257	105	255561	43.560	ng	97
24) Nitrobenzene	7.434	77	215643	43.241	ng	99
25) Isophorone	7.669	82	383568	45.835	ng	98
26) 2-Nitrophenol	7.745	139	99896	46.559	ng	95
27) 2,4-Dimethylphenol	7.787	122	129851	50.583	ng	97
28) bis(2-Chloroethoxy)met...	7.875	93	227649	44.671	ng	99
29) 2,4-Dichlorophenol	7.992	162	157483	47.741	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	167955	44.120	ng	98
31) Naphthalene	8.145	128	563190	44.654	ng	100
32) Benzoic acid	7.945	122	74199	36.770	ng	97
33) 4-Chloroaniline	8.198	127	97837	23.109	ng	99
34) Hexachlorobutadiene	8.257	225	102412	44.416	ng	99
35) Caprolactam	8.592	113	42993m	43.680	ng	
36) 4-Chloro-3-methylphenol	8.692	107	182831	48.498	ng	99
37) 2-Methylnaphthalene	8.834	142	378251	47.487	ng	99
38) 1-Methylnaphthalene	8.934	142	343784	44.045	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	160044	41.914	ng	99
41) Hexachlorocyclopentadiene	8.981	237	108617	105.078	ng	99
43) 2,4,6-Trichlorophenol	9.122	196	106239	45.633	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138884.D
 Acq On : 09 Aug 2024 12:23
 Operator : RC/JU
 Sample : PB162423BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162423BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/10/2024
 Supervised By :mohammad ahmed 08/12/2024

Quant Time: Aug 09 12:54:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	113656	44.656	ng	99
46) 1,1'-Biphenyl	9.304	154	445508	41.383	ng	99
47) 2-Chloronaphthalene	9.328	162	350048	43.720	ng	99
48) 2-Nitroaniline	9.434	65	126588	46.637	ng	98
49) Acenaphthylene	9.739	152	553811	48.769	ng	100
50) Dimethylphthalate	9.604	163	428780	48.785	ng	100
51) 2,6-Dinitrotoluene	9.675	165	90633	45.692	ng	92
52) Acenaphthene	9.916	154	338264	44.313	ng	99
53) 3-Nitroaniline	9.845	138	61549	30.016	ng	98
54) 2,4-Dinitrophenol	9.963	184	85713	93.870	ng	89
55) Dibenzofuran	10.086	168	507209	47.070	ng	99
56) 4-Nitrophenol	10.028	139	98124	79.575	ng	92
57) 2,4-Dinitrotoluene	10.081	165	124396	49.154	ng	# 81
58) Fluorene	10.428	166	408201	47.570	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	98411	50.576	ng	97
60) Diethylphthalate	10.304	149	423903	50.866	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	202449	47.970	ng	97
62) 4-Nitroaniline	10.469	138	83056	42.622	ng	87
63) Azobenzene	10.581	77	440756	47.686	ng	97
65) 4,6-Dinitro-2-methylph...	10.492	198	69032	47.590	ng	93
66) n-Nitrosodiphenylamine	10.539	169	350266	47.130	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	115981	45.055	ng	95
68) Hexachlorobenzene	10.975	284	120090	45.182	ng	99
69) Atrazine	11.069	200	105046	54.784	ng	98
70) Pentachlorophenol	11.180	266	95431	79.657	ng	98
71) Phenanthrene	11.392	178	572920	46.796	ng	99
72) Anthracene	11.445	178	582679	48.311	ng	99
73) Carbazole	11.598	167	482080	46.329	ng	98
74) Di-n-butylphthalate	11.916	149	650691	55.627	ng	99
75) Fluoranthene	12.575	202	551788	48.278	ng	99
77) Benzidine	12.698	184	35832	13.044	ng	100
78) Pyrene	12.804	202	543880	50.298	ng	99
80) Butylbenzylphthalate	13.416	149	198317	57.273	ng	97
81) Benzo(a)anthracene	13.992	228	369948	46.778	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	67070	33.140	ng	99
83) Chrysene	14.027	228	339194	47.539	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	231124	45.582	ng	100
85) Di-n-octyl phthalate	14.574	149	361521	38.536	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	331590	46.674	ng	96
88) Benzo(b)fluoranthene	15.039	252	296222	48.202	ng	98
89) Benzo(k)fluoranthene	15.068	252	283055	53.198	ng	98
90) Benzo(a)pyrene	15.404	252	270607	52.350	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	269583	46.226	ng	97
92) Benzo(g,h,i)perylene	17.386	276	251836	41.614	ng	96

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

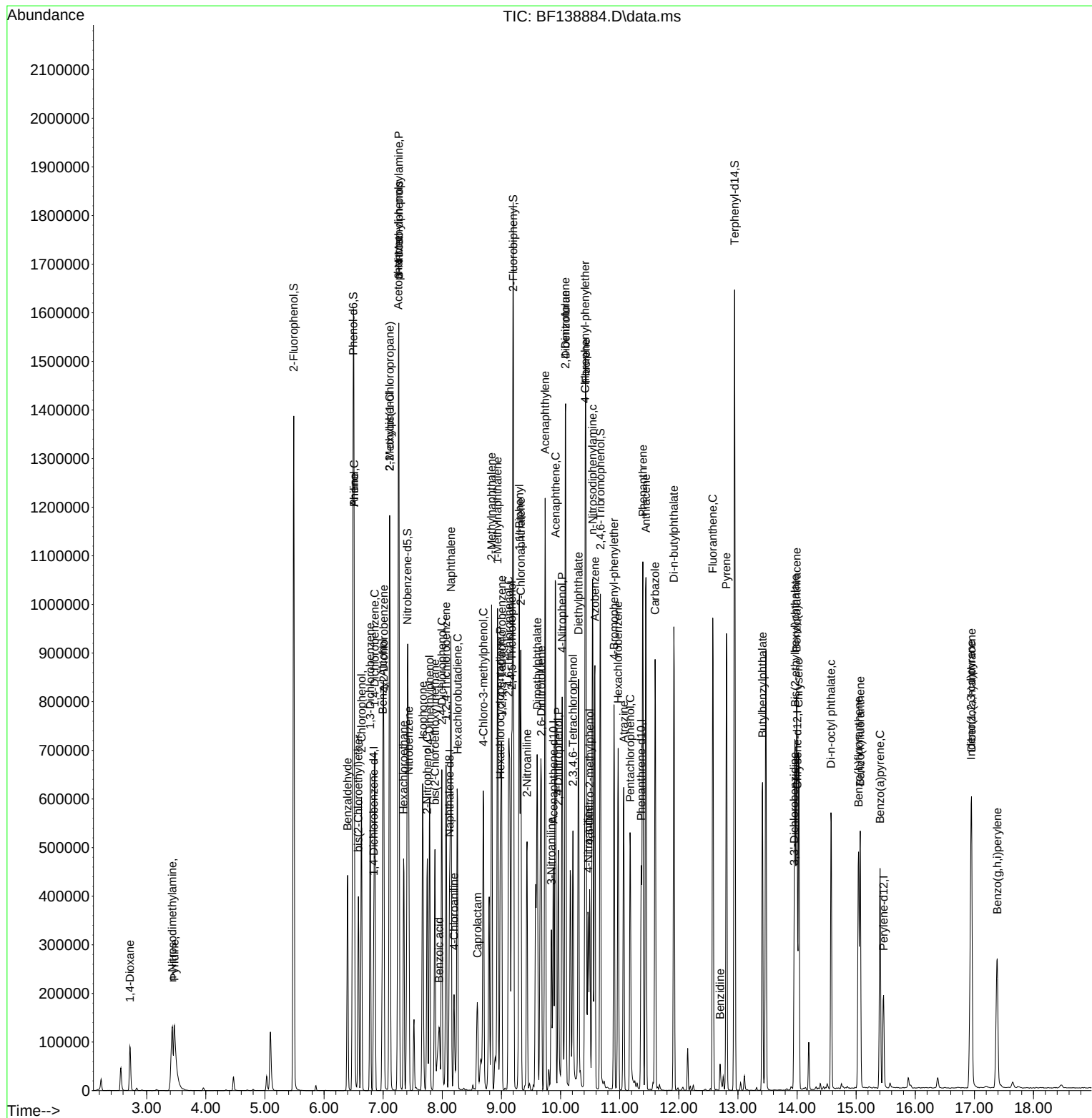
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Acq On : 09 Aug 2024 12:23
Operator : RC/JU
Sample : PB162423BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

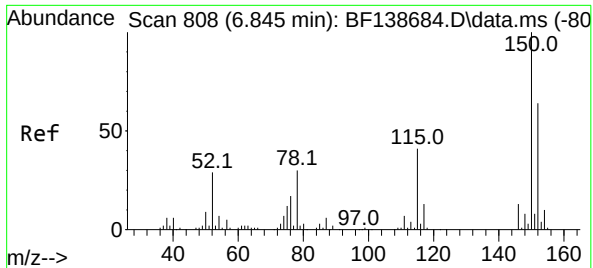
Instrument :
BNA_F
ClientSampleId :
PB162423BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

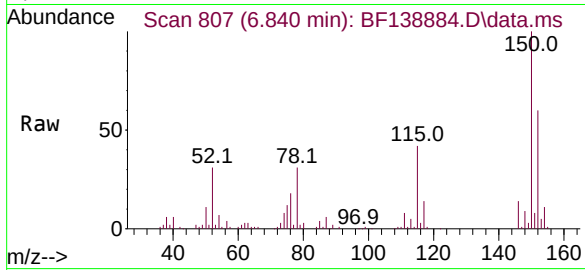
Quant Time: Aug 09 12:54:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

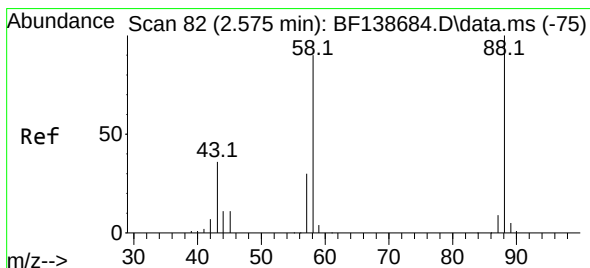
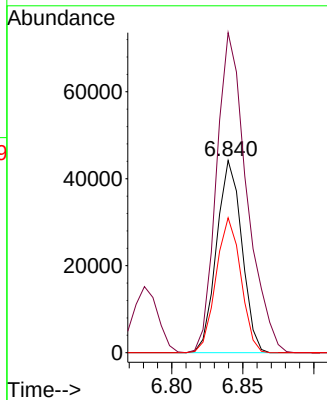
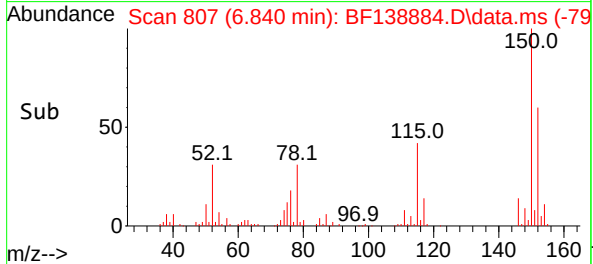
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:152 Resp: 5466
Ion Ratio Lower Upper
152 100
150 166.5 126.0 189.0
115 70.2 51.7 77.5

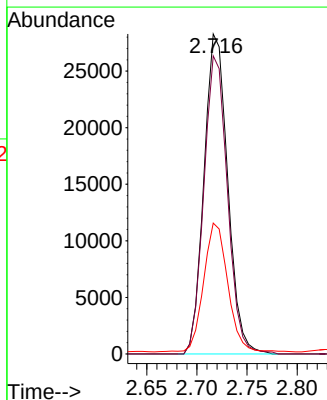
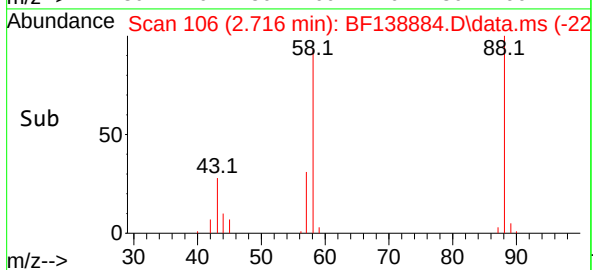
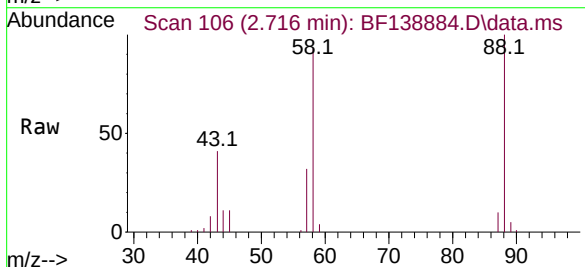
Manual Integrations
APPROVED

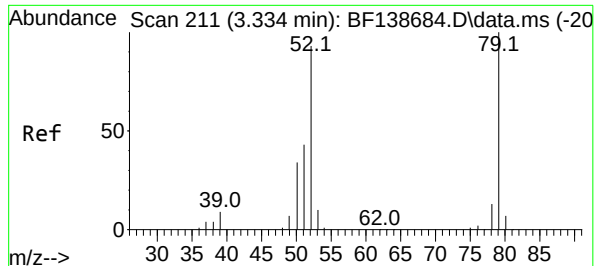
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#2
1,4-Dioxane
Concen: 30.109 ng
RT: 2.716 min Scan# 106
Delta R.T. 0.141 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 88 Resp: 46677
Ion Ratio Lower Upper
88 100
58 92.6 71.6 107.4
43 41.0 28.7 43.1





#3
Pyridine
Concen: 33.527 ng
RT: 3.469 min Scan# 211
Delta R.T. 0.135 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

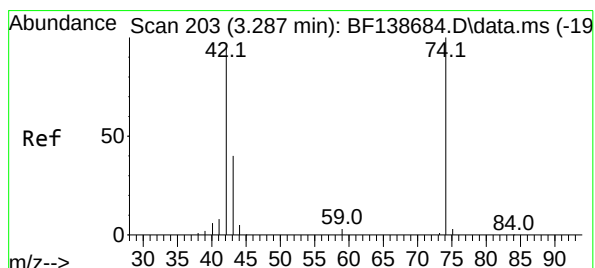
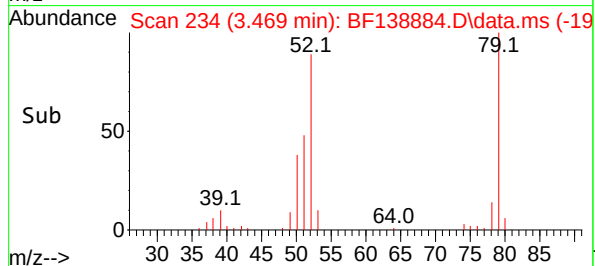
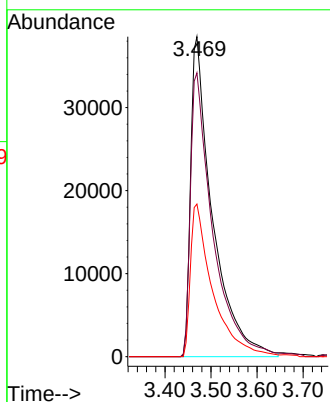
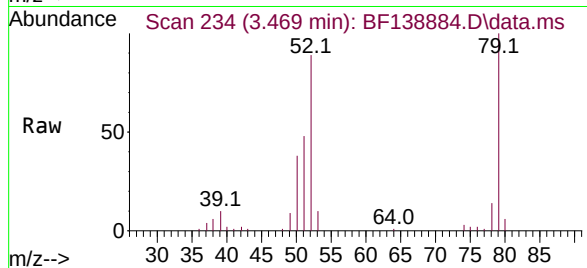
PB162423BS

Tgt Ion	Ratio	Lower	Upper
79	100		
52	88.7	74.7	112.1
51	47.7	34.6	51.8

Manual Integrations

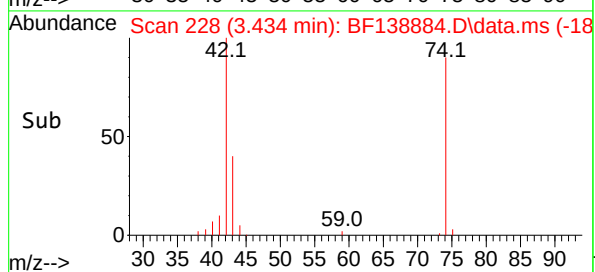
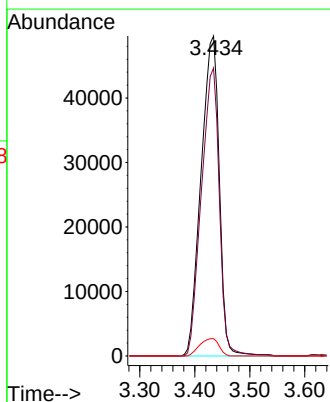
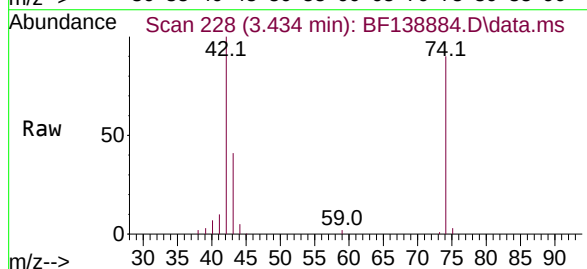
APPROVED

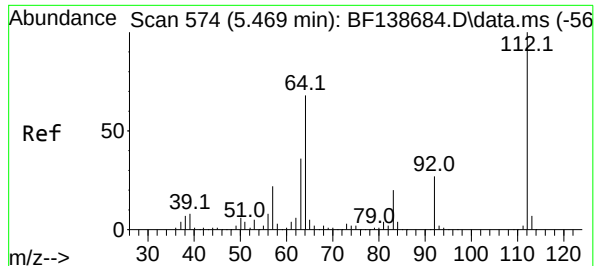
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#4
n-Nitrosodimethylamine
Concen: 50.998 ng
RT: 3.434 min Scan# 228
Delta R.T. 0.147 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion	Ratio	Lower	Upper
42	100		
74	90.0	84.2	126.4
44	5.4	4.9	7.3





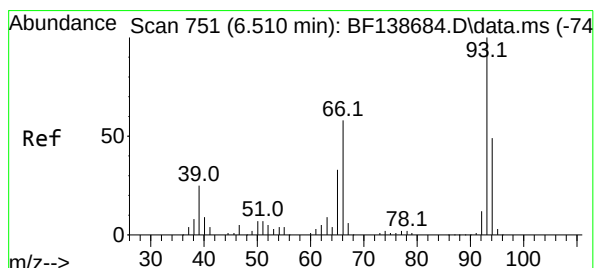
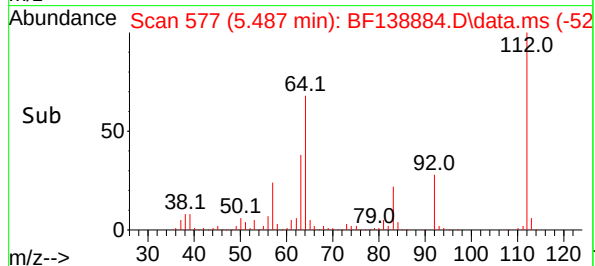
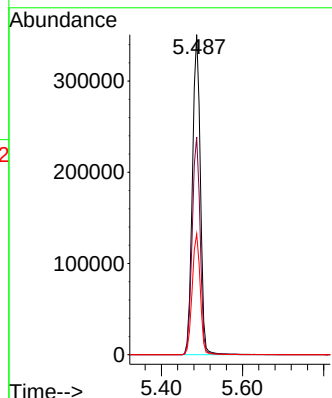
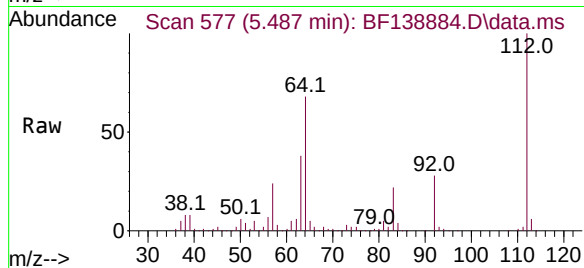
#5
2-Fluorophenol
Concen: 134.881 ng
RT: 5.487 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Tgt Ion:112 Resp: 477615
Ion Ratio Lower Upper
112 100
64 68.0 54.2 81.4
63 37.8 28.7 43.1

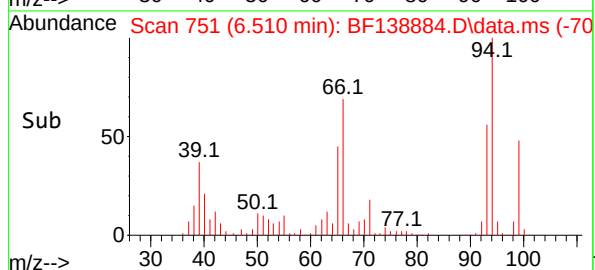
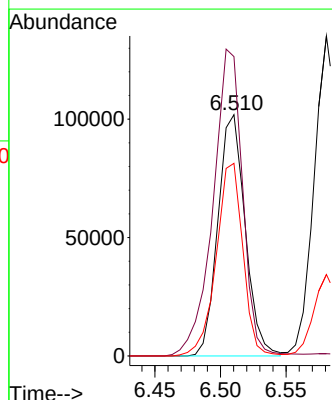
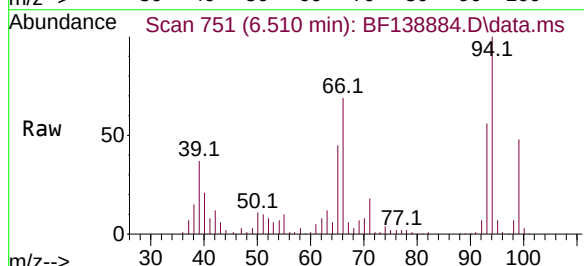
Manual Integrations
APPROVED

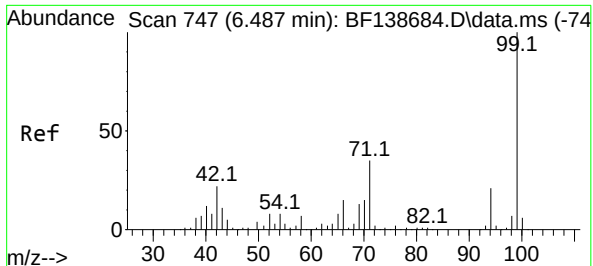
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#6
Aniline
Concen: 34.748 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

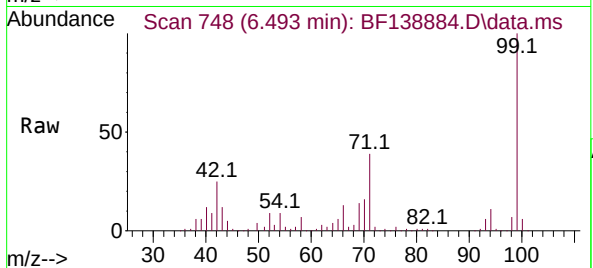
Tgt Ion: 93 Resp: 147325
Ion Ratio Lower Upper
93 100
66 124.0 46.9 70.3#
65 79.8 26.5 39.7#





#7
Phenol-d6
Concen: 132.770 ng
RT: 6.493 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

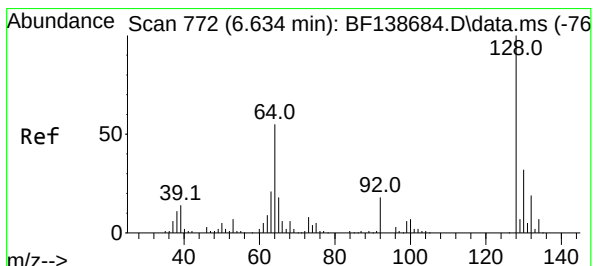
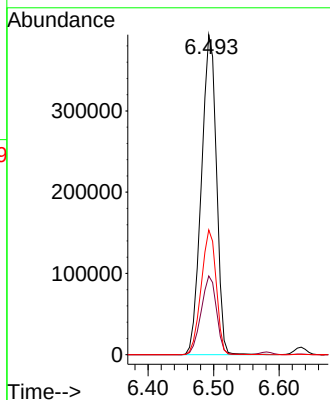
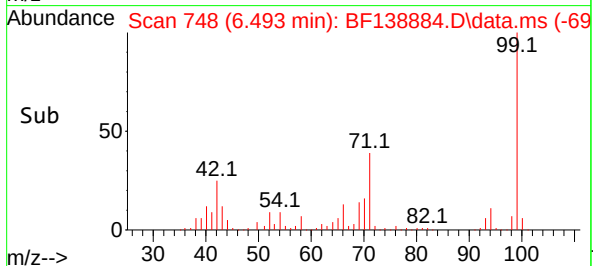
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion: 99 Resp: 631214
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 39.0 28.1 42.1

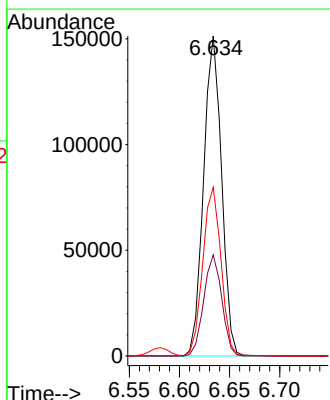
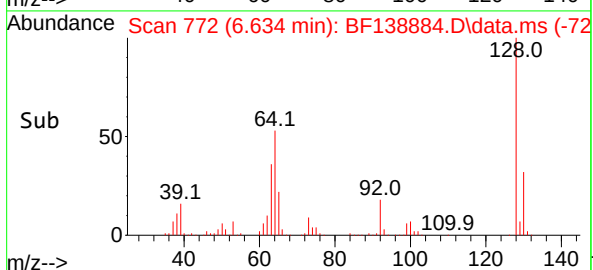
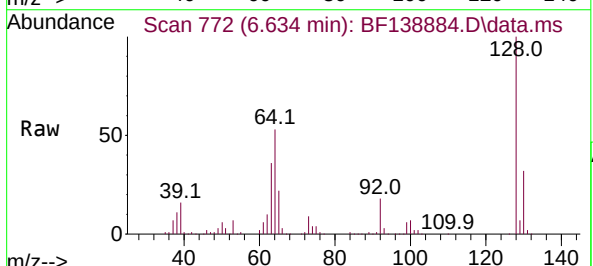
Manual Integrations
APPROVED

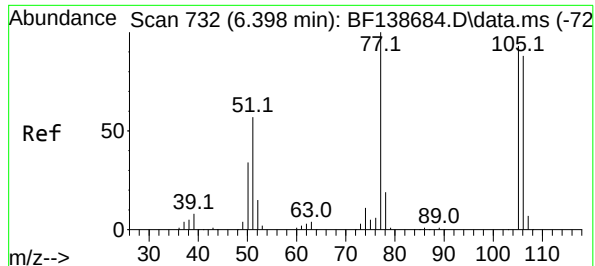
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#8
2-Chlorophenol
Concen: 50.896 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:128 Resp: 189614
Ion Ratio Lower Upper
128 100
130 31.6 12.0 52.0
64 52.7 36.3 76.3





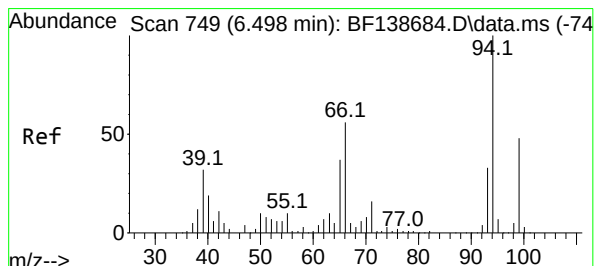
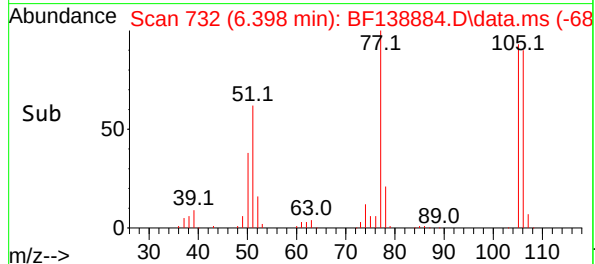
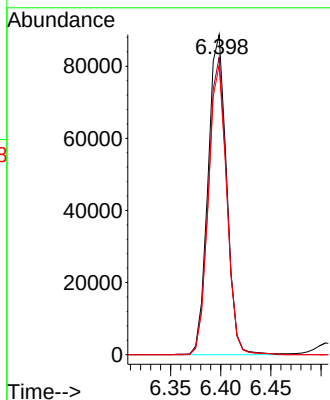
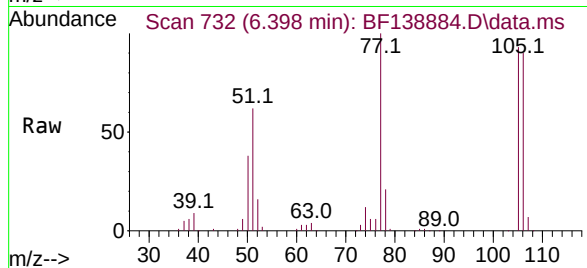
#9
Benzaldehyde
Concen: 40.037 ng
RT: 6.398 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Tgt Ion: 77 Resp: 11410
Ion Ratio Lower Upper
77 100
105 92.9 72.9 112.9
106 90.4 68.4 108.4

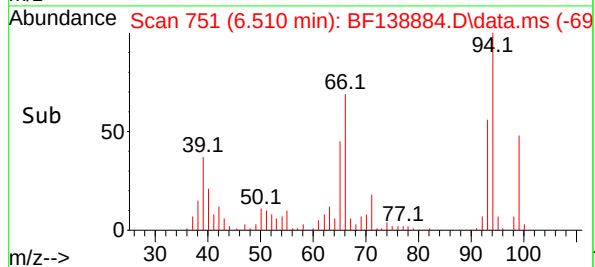
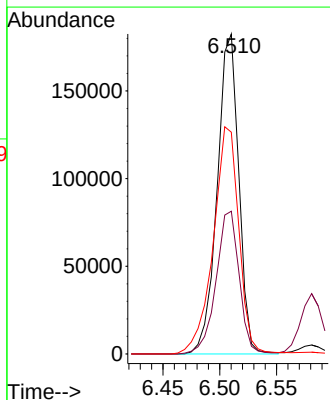
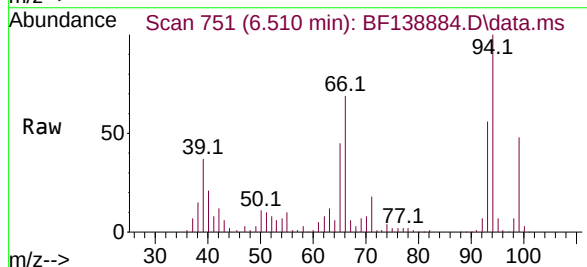
Manual Integrations
APPROVED

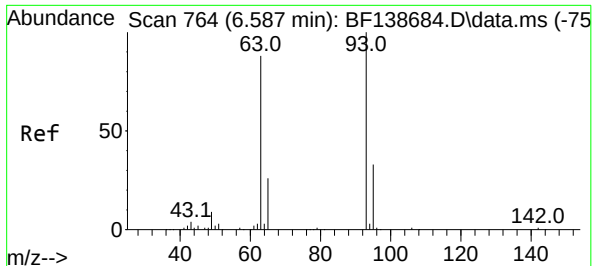
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#10
Phenol
Concen: 48.169 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 94 Resp: 241114
Ion Ratio Lower Upper
94 100
65 44.6 16.9 56.9
66 69.3 36.5 76.5





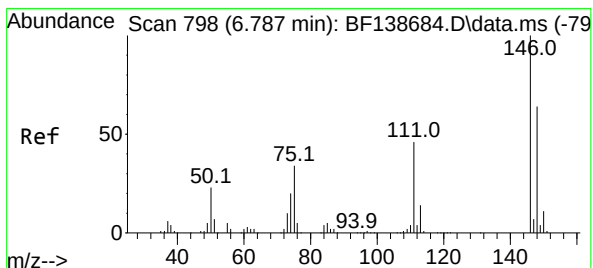
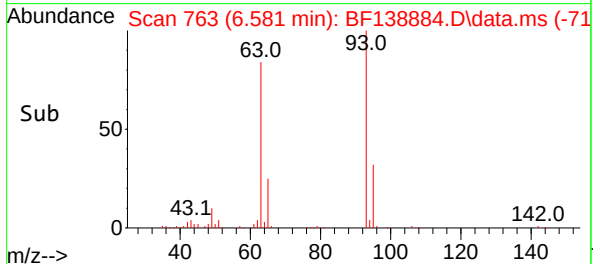
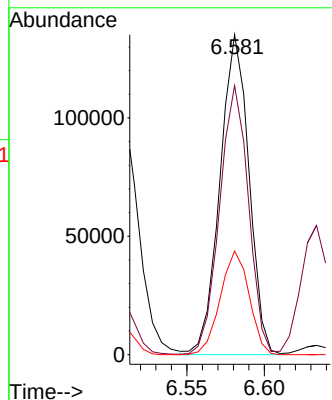
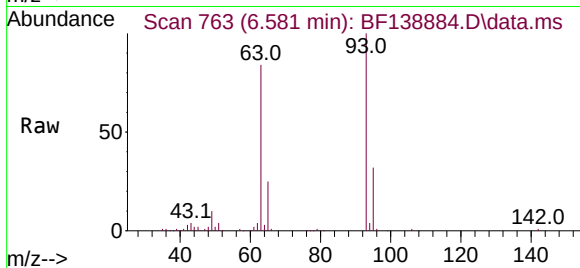
#11
bis(2-Chloroethyl)ether
Concen: 45.752 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Tgt Ion: 93 Resp: 17623
Ion Ratio Lower Upper
93 100
63 84.1 65.3 105.3
95 32.4 12.4 52.4

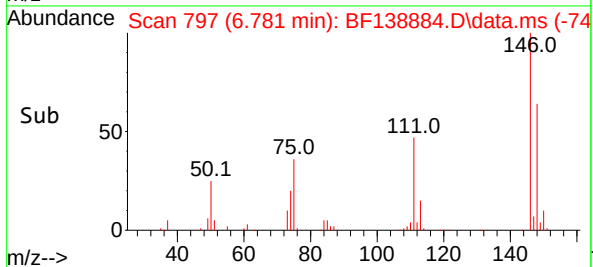
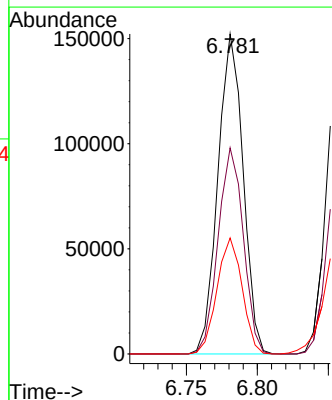
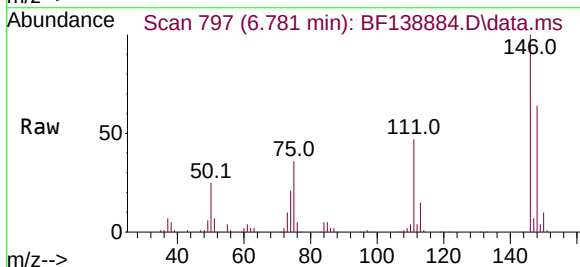
Manual Integrations
APPROVED

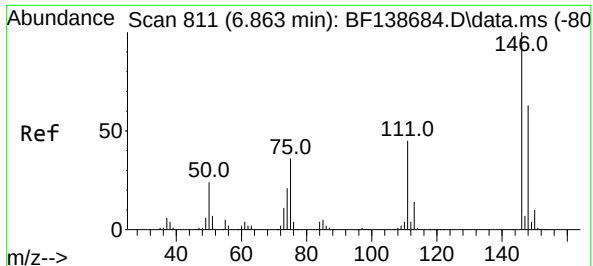
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#12
1,3-Dichlorobenzene
Concen: 45.005 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:146 Resp: 187684
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 36.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 45.580 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:146 Resp: 191820

Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

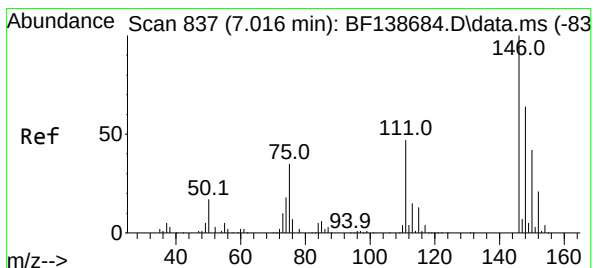
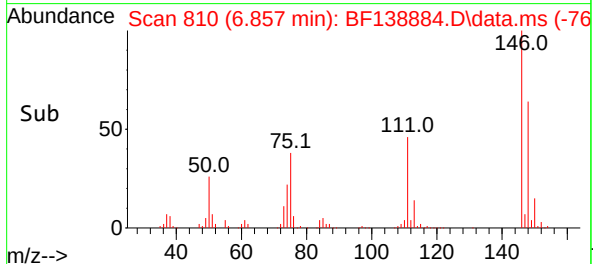
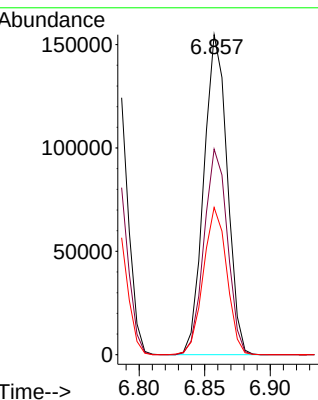
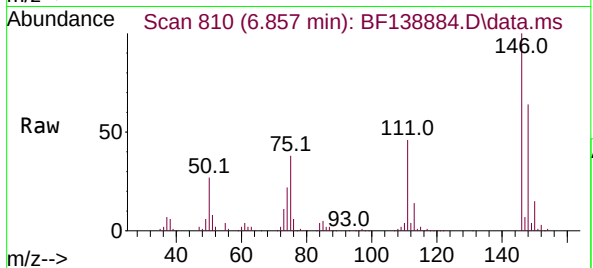
111 46.0 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#14

1,2-Dichlorobenzene

Concen: 47.054 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

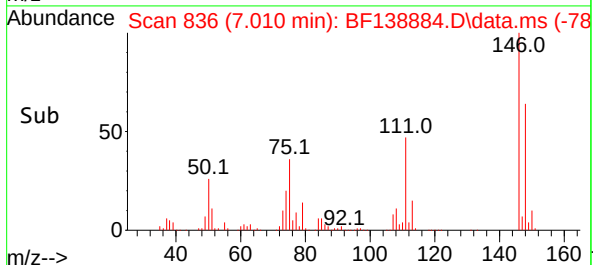
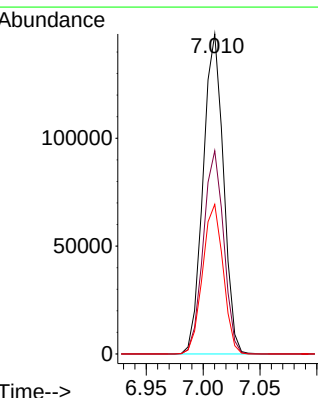
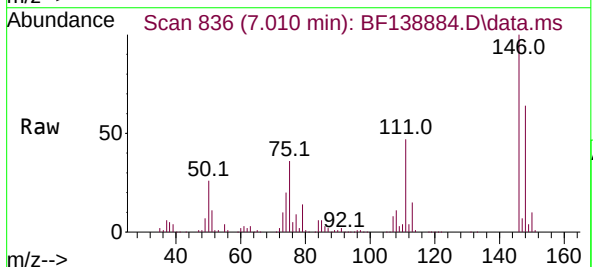
Tgt Ion:146 Resp: 185073

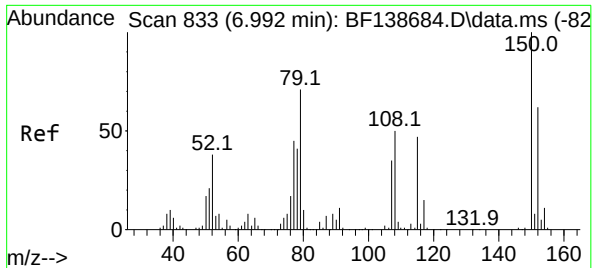
Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

111 46.7 37.4 56.2





#15

Benzyl Alcohol

Concen: 52.775 ng

RT: 6.992 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion: 79 Resp: 18083

Ion Ratio Lower Upper

79 100

108 69.1 56.6 85.0

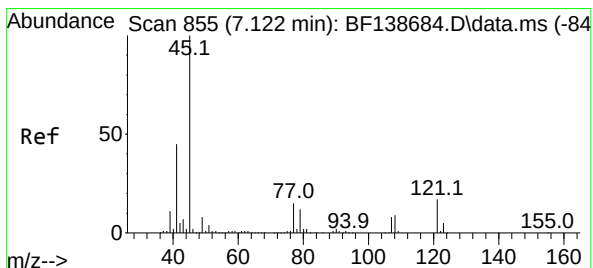
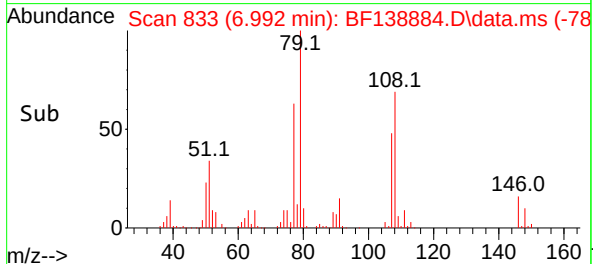
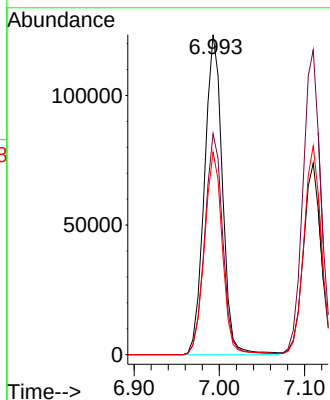
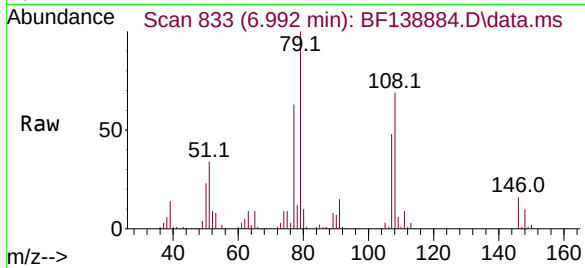
77 63.3 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.132 ng

RT: 7.110 min Scan# 853

Delta R.T. -0.012 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

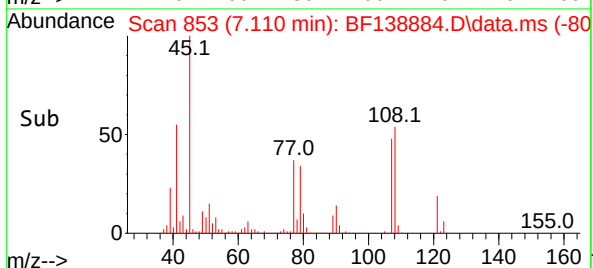
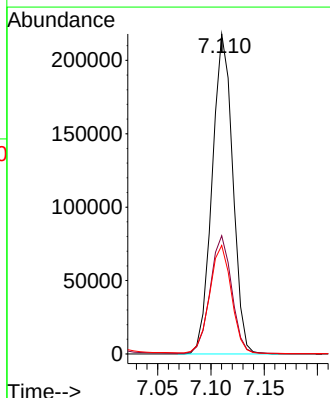
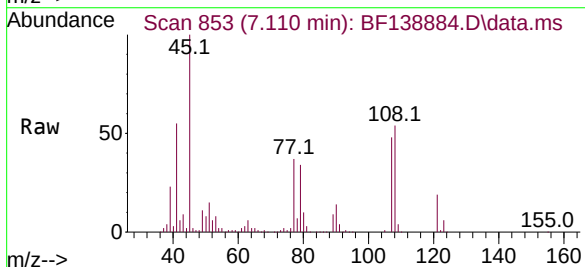
Tgt Ion: 45 Resp: 292552

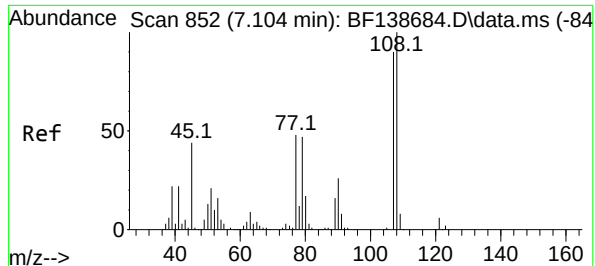
Ion Ratio Lower Upper

45 100

77 37.0 0.0 34.9#

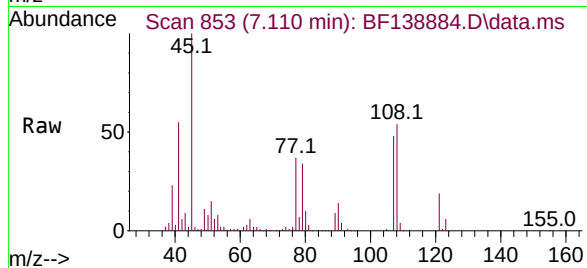
79 33.9 0.0 32.2#





#17
2-Methylphenol
Concen: 48.839 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

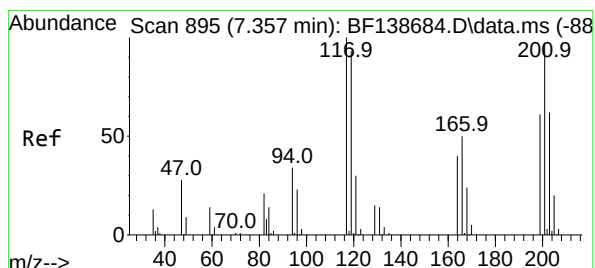
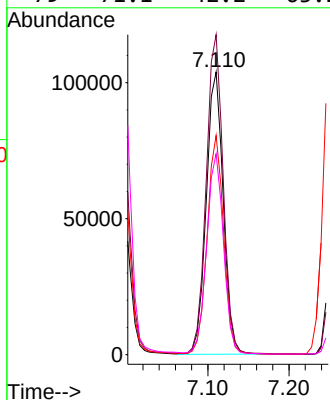
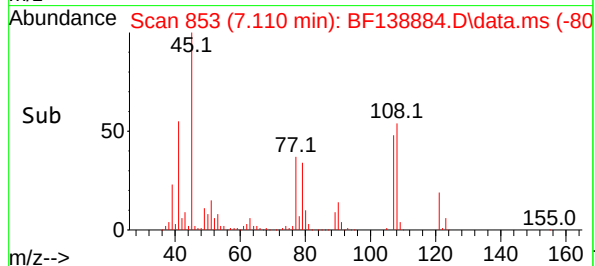
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:107 Resp: 150245
Ion Ratio Lower Upper
107 100
108 113.2 89.2 133.8
77 77.5 43.0 64.4
79 71.1 42.2 63.2

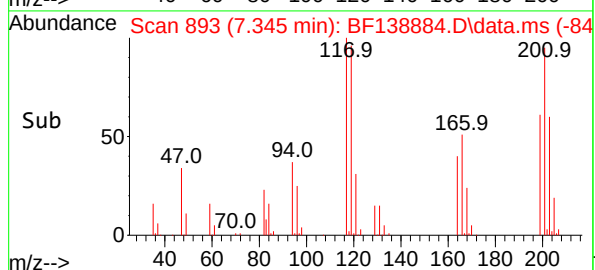
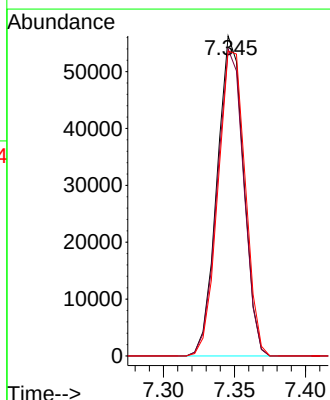
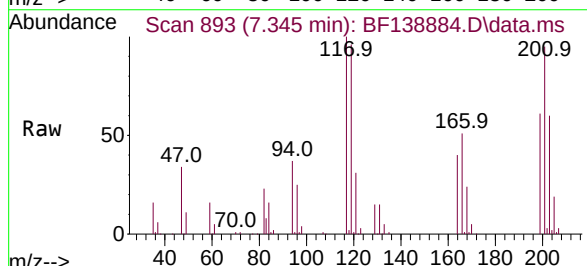
Manual Integrations
APPROVED

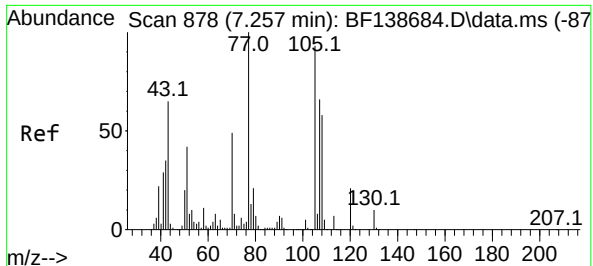
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#18
Hexachloroethane
Concen: 45.950 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:117 Resp: 72794
Ion Ratio Lower Upper
117 100
119 95.9 74.6 111.8
201 95.3 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 51.712 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion: 70 Resp: 14848

Ion Ratio Lower Upper

70 100

42 73.2 57.4 86.0

101 10.0 7.5 11.3

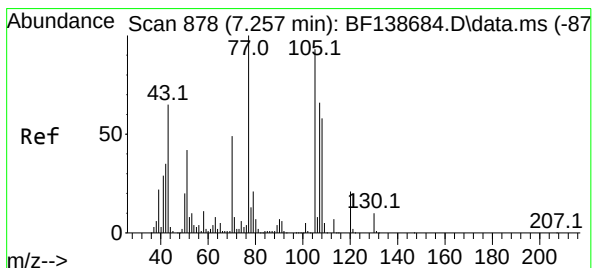
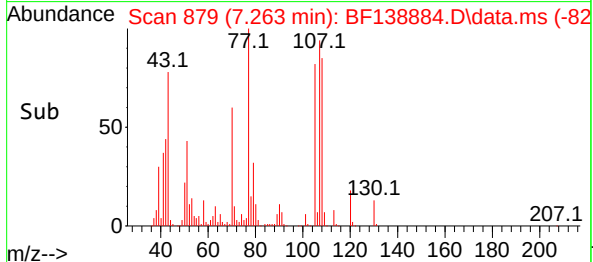
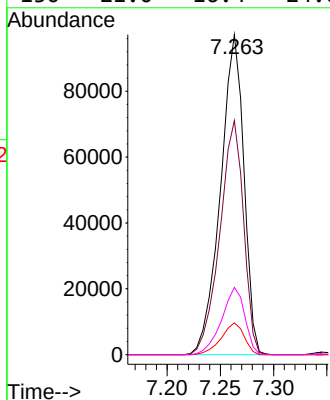
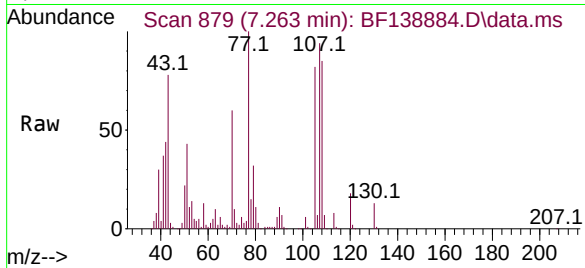
130 21.0 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#20

3+4-Methylphenols

Concen: 51.017 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Tgt Ion:107 Resp: 201368

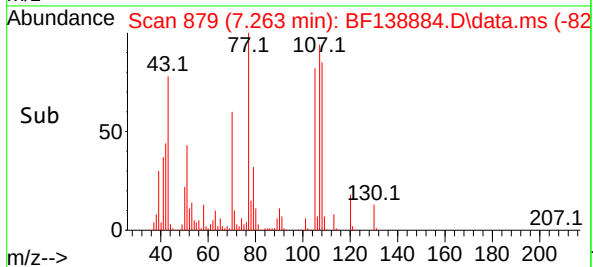
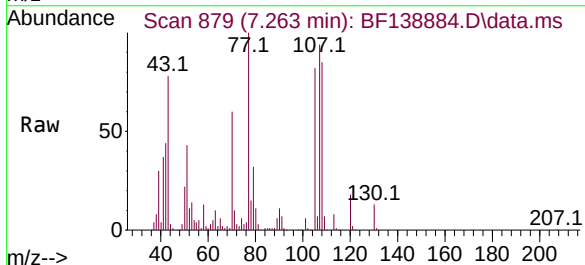
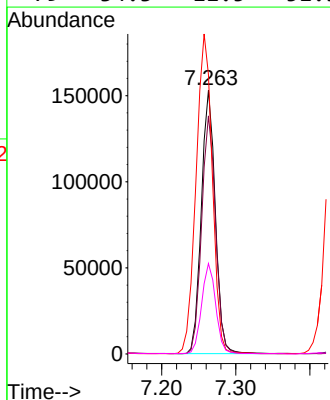
Ion Ratio Lower Upper

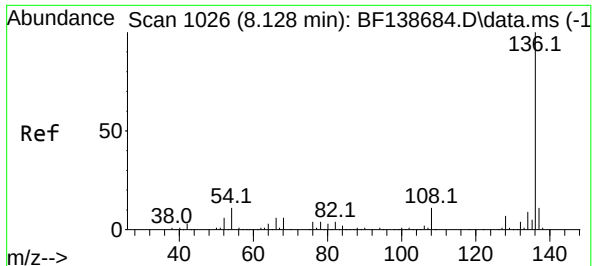
107 100

108 90.3 68.2 108.2

77 106.0 132.1 172.1#

79 34.3 11.5 51.5





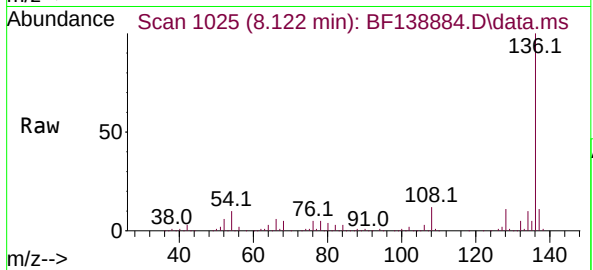
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

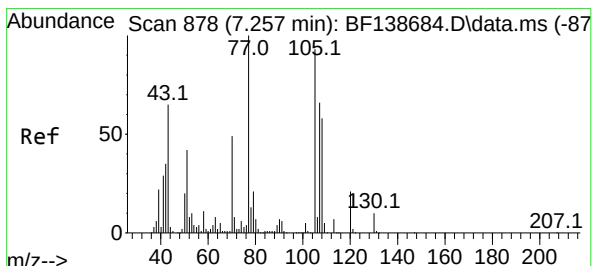
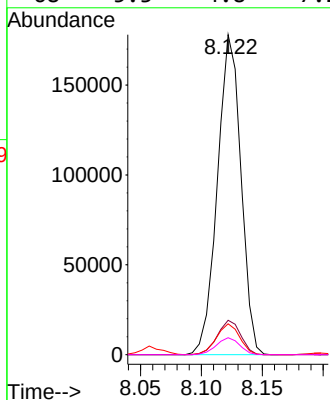
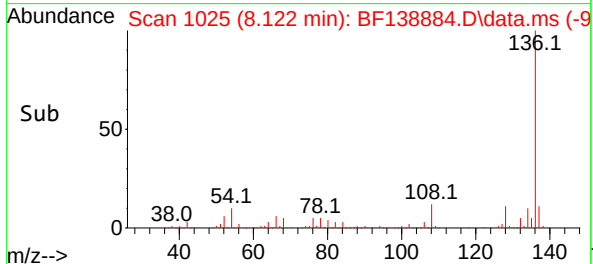


Tgt Ion:136 Resp: 239610
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.6 8.6 12.8
68 5.3 4.8 7.2

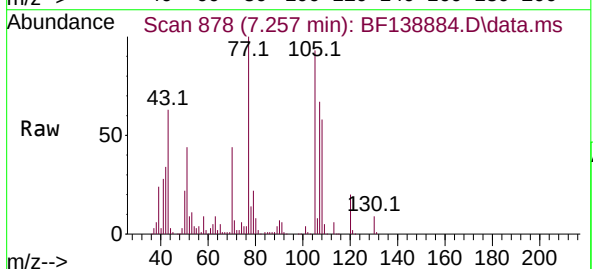
Manual Integrations

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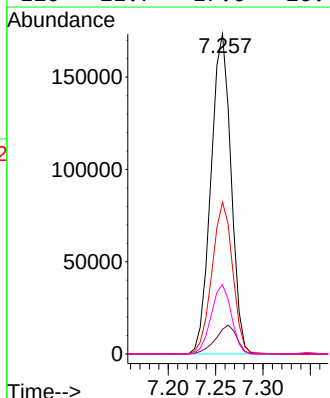
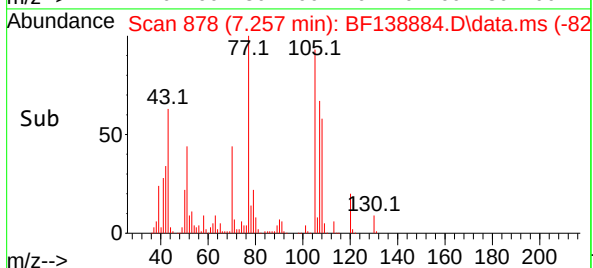
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

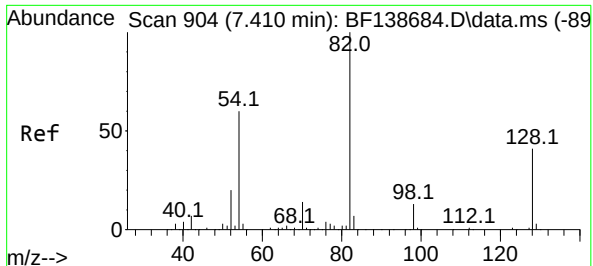


#22
Acetophenone
Concen: 43.560 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23



Tgt Ion:105 Resp: 255561
Ion Ratio Lower Upper
105 100
71 7.7 7.2 10.8
51 47.4 35.9 53.9
120 21.7 17.6 26.4





#23

Nitrobenzene-d5

Concen: 84.691 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion: 82 Resp: 415059

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

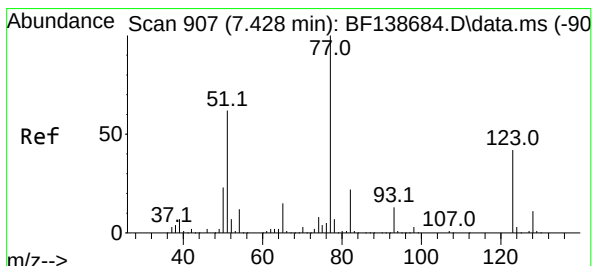
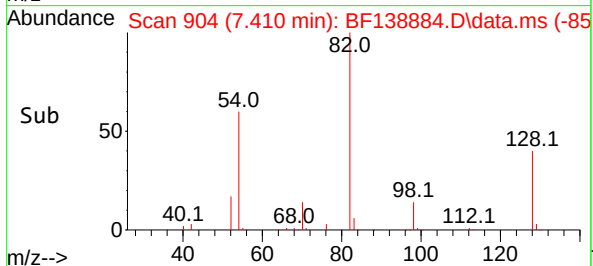
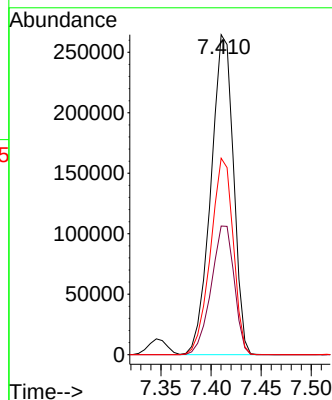
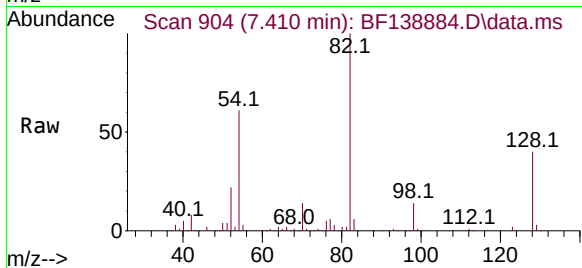
54 61.4 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#24

Nitrobenzene

Concen: 43.241 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

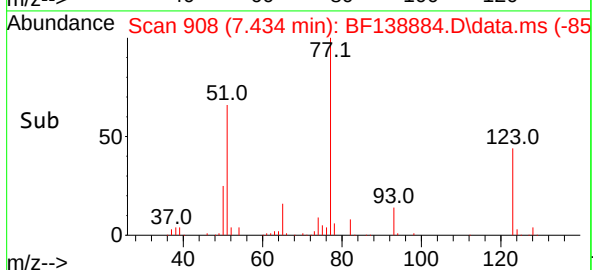
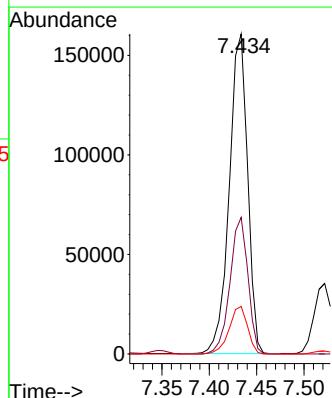
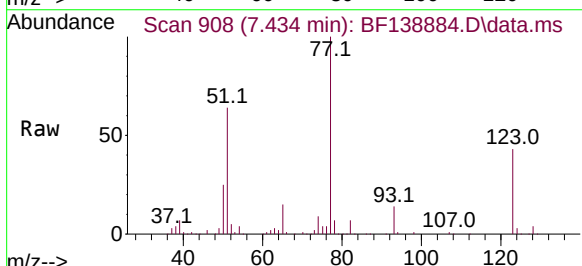
Tgt Ion: 77 Resp: 215643

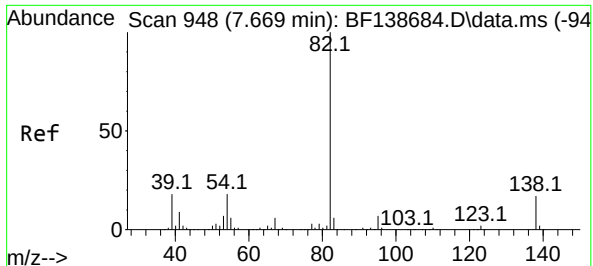
Ion Ratio Lower Upper

77 100

123 42.7 33.3 49.9

65 14.8 11.9 17.9





#25

Isophorone

Concen: 45.835 ng

RT: 7.669 min Scan# 948

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion: 82 Resp: 38356

Ion Ratio Lower Upper

82 100

95 8.2 5.7 8.5

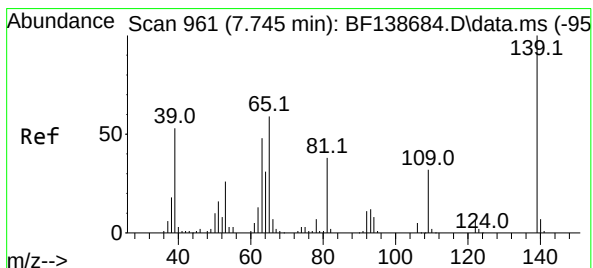
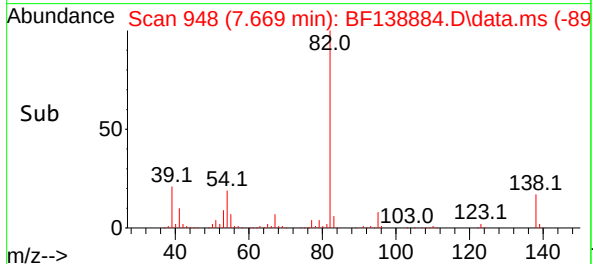
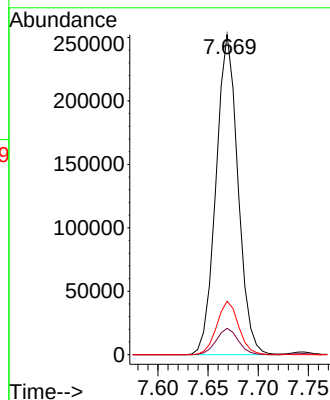
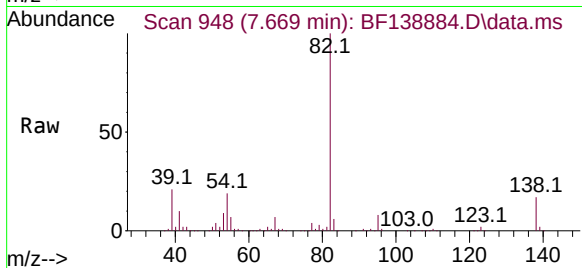
138 16.7 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#26

2-Nitrophenol

Concen: 46.559 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

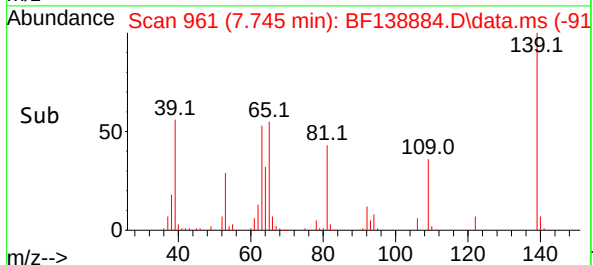
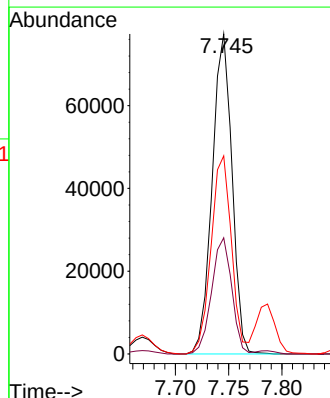
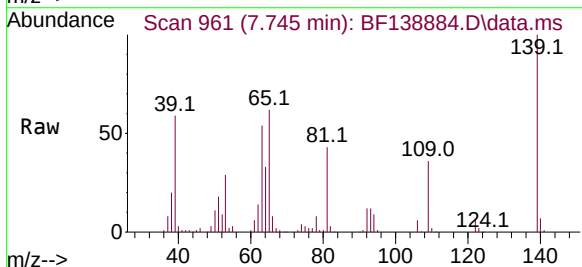
Tgt Ion:139 Resp: 99896

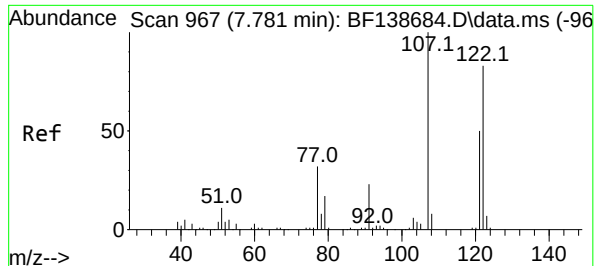
Ion Ratio Lower Upper

139 100

109 36.3 25.9 38.9

65 61.9 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 50.583 ng

RT: 7.787 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:122 Resp: 12985

Ion Ratio Lower Upper

122 100

107 122.7 95.0 142.6

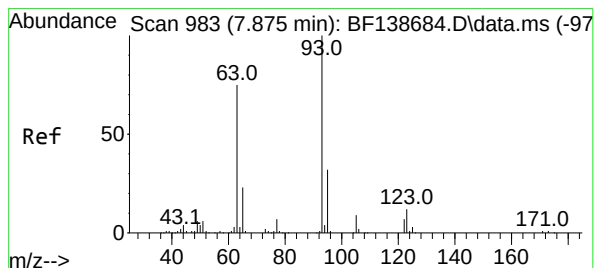
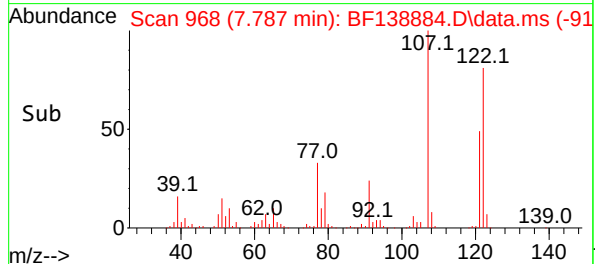
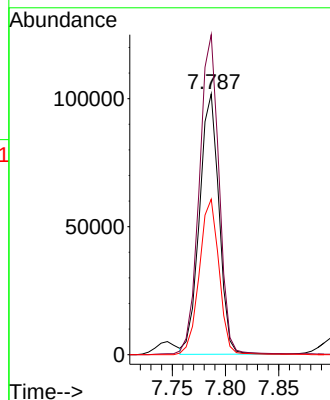
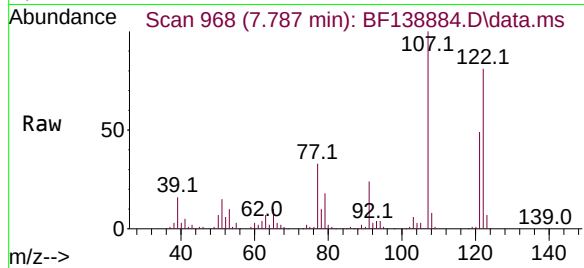
121 59.7 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#28

bis(2-Chloroethoxy)methane

Concen: 44.671 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

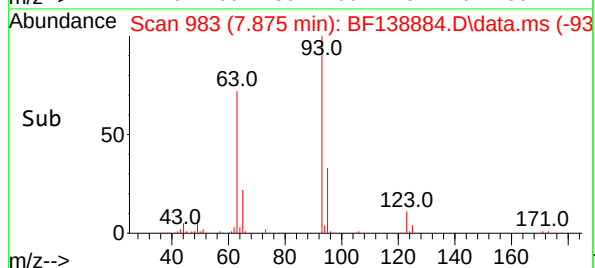
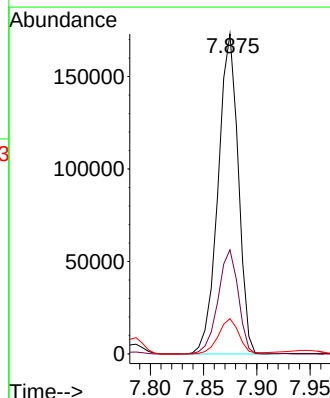
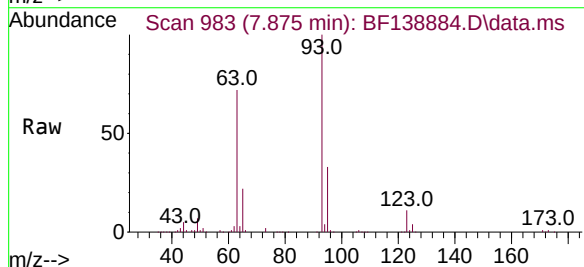
Tgt Ion: 93 Resp: 227649

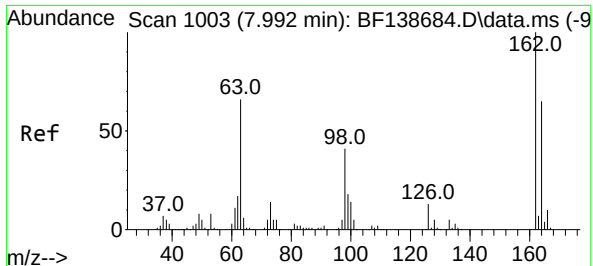
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.8

123 11.0 9.4 14.0





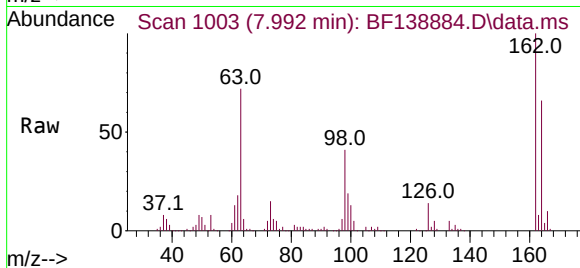
#29
2,4-Dichlorophenol
Concen: 47.741 ng
RT: 7.992 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

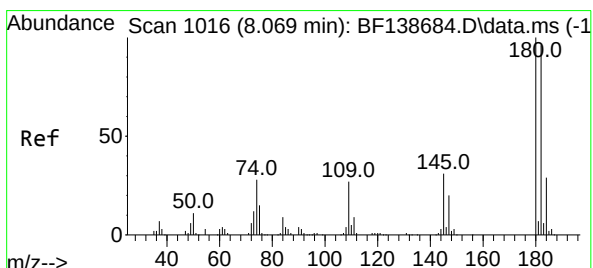
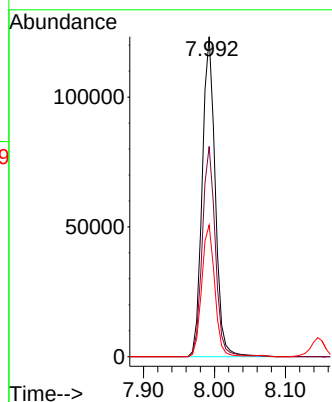
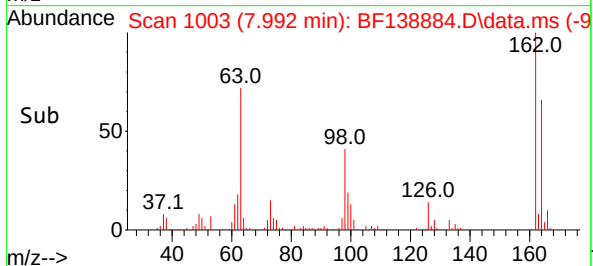


Tgt Ion:162 Resp: 15748
Ion Ratio Lower Upper
162 100
164 65.7 44.7 84.7
98 41.2 20.8 60.8

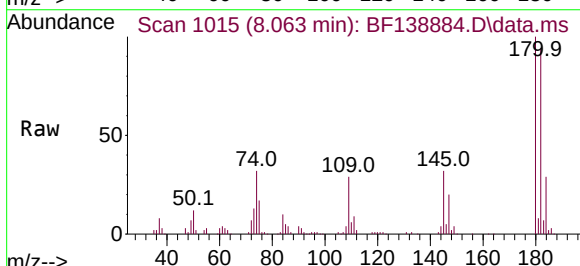
Manual Integrations

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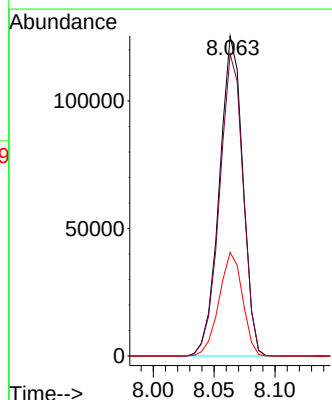
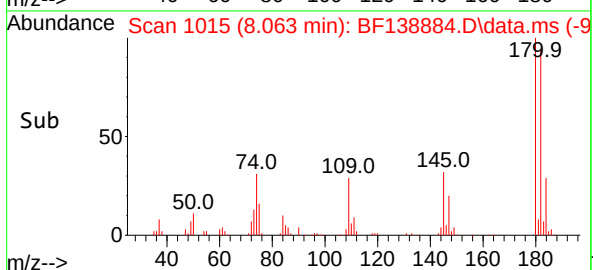
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

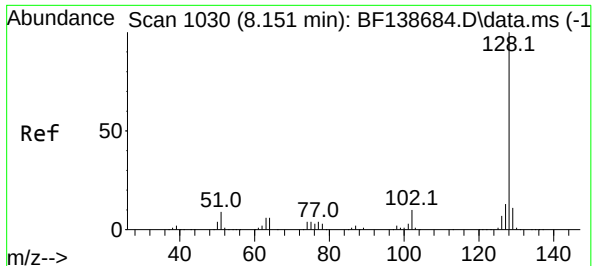


#30
1,2,4-Trichlorobenzene
Concen: 44.120 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23



Tgt Ion:180 Resp: 167955
Ion Ratio Lower Upper
180 100
182 94.4 76.9 115.3
145 32.4 25.0 37.4





#31

Naphthalene

Concen: 44.654 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:128 Resp: 563190

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

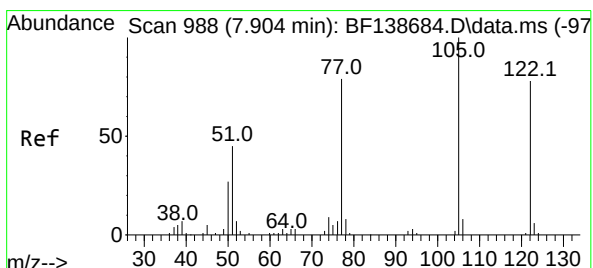
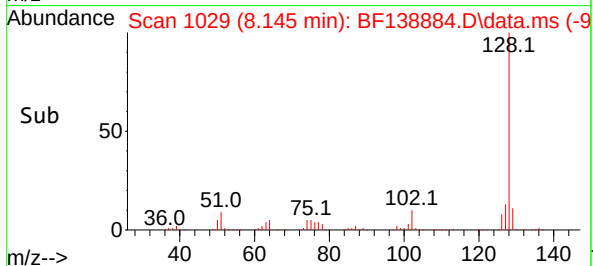
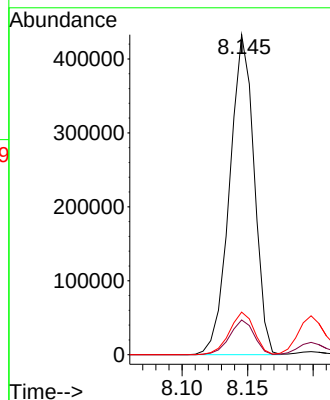
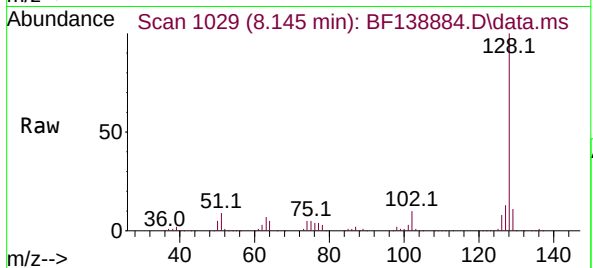
127 13.3 10.6 16.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#32

Benzoic acid

Concen: 36.770 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.041 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

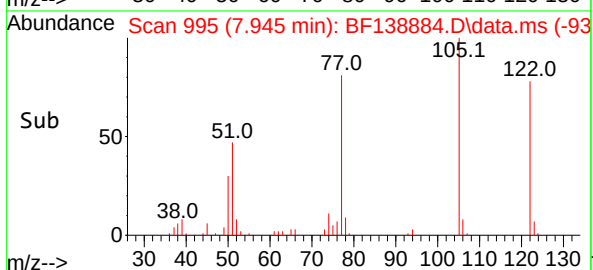
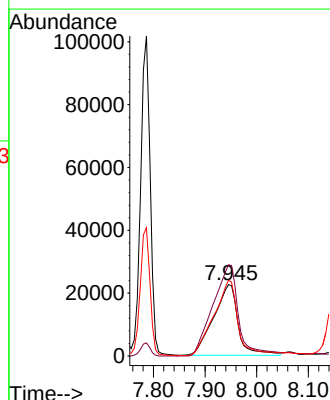
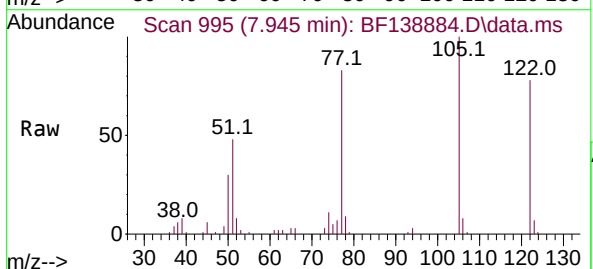
Tgt Ion:122 Resp: 74199

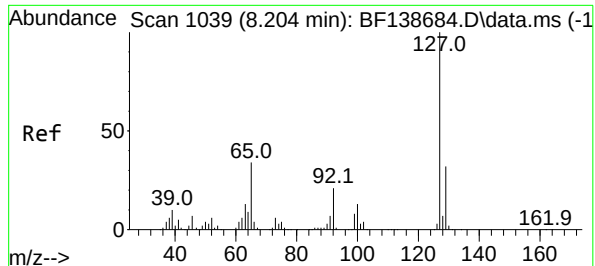
Ion Ratio Lower Upper

122 100

105 127.8 106.7 146.7

77 106.1 81.1 121.1





#33
4-Chloroaniline
Concen: 23.109 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

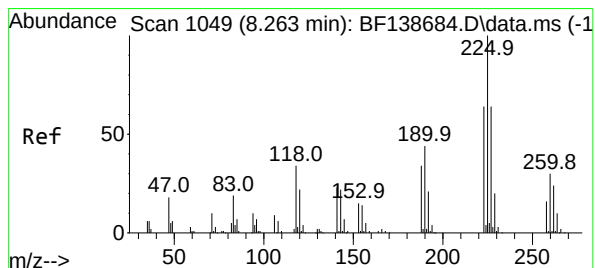
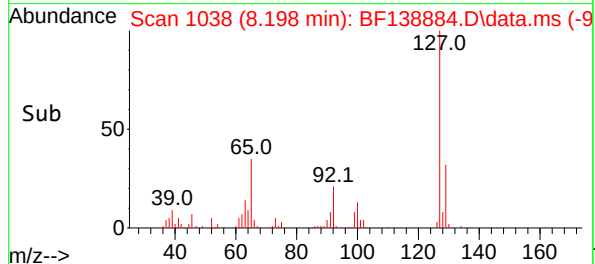
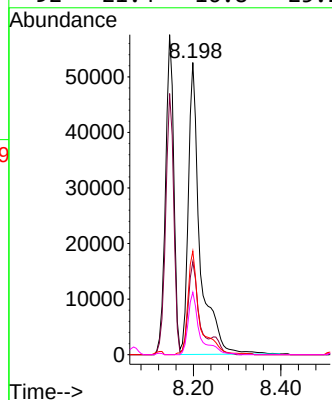
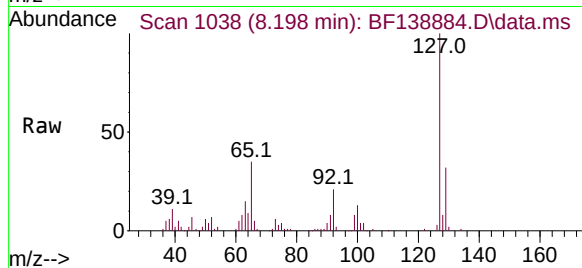
ClientSampleId :

PB162423BS

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	35.4	27.6	41.4
92	21.4	16.8	25.2

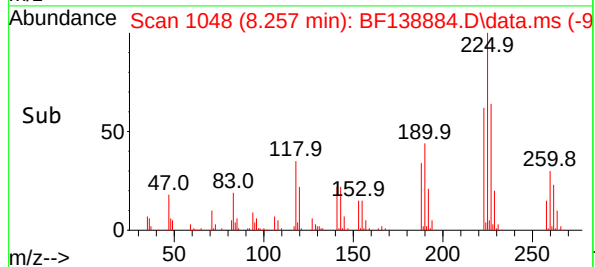
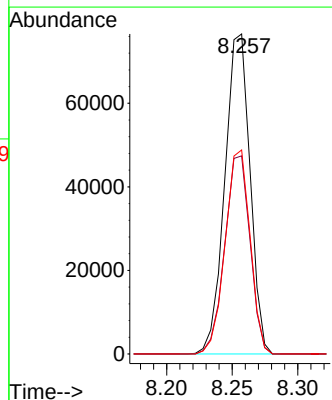
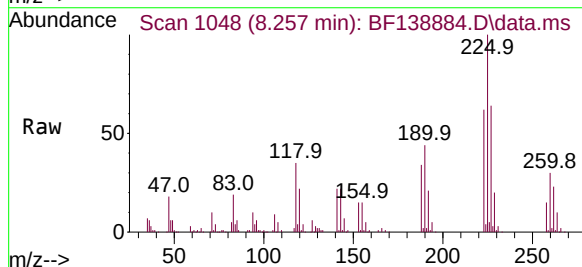
Manual Integrations
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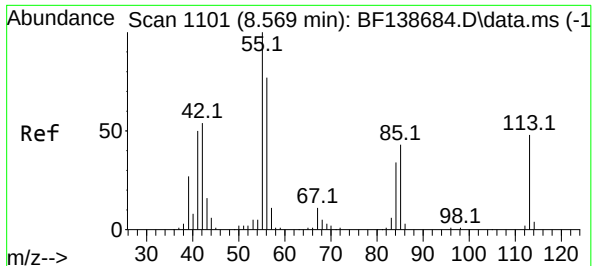
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#34
Hexachlorobutadiene
Concen: 44.416 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.2	76.8
227	63.7	51.1	76.7





#35

Caprolactam

Concen: 43.680 ng m

RT: 8.592 min Scan# 1105

Delta R.T. 0.024 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:113 Resp: 4299

Ion Ratio Lower Upper

113 100

55 202.2 186.7 226.7

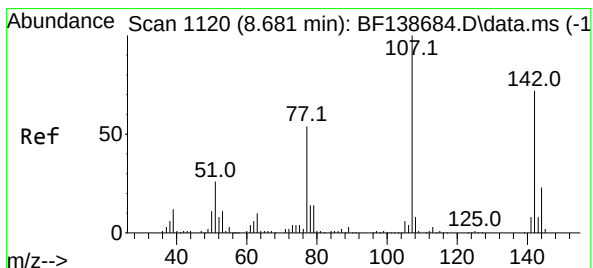
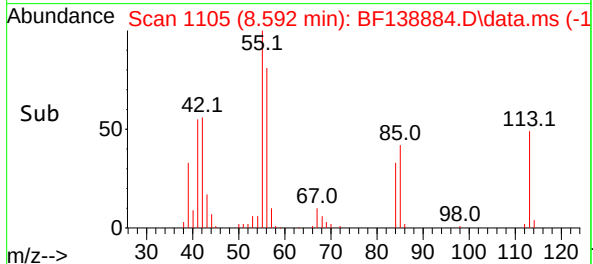
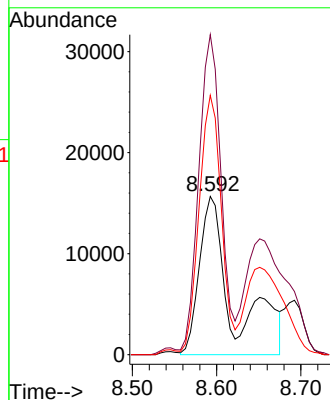
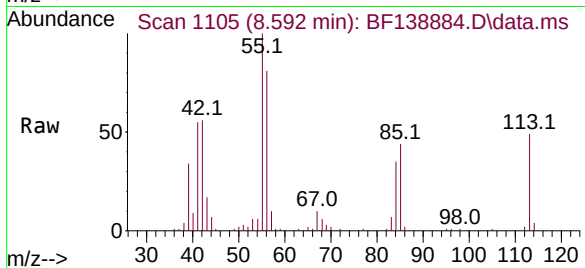
56 163.9 138.9 178.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#36

4-Chloro-3-methylphenol

Concen: 48.498 ng

RT: 8.692 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

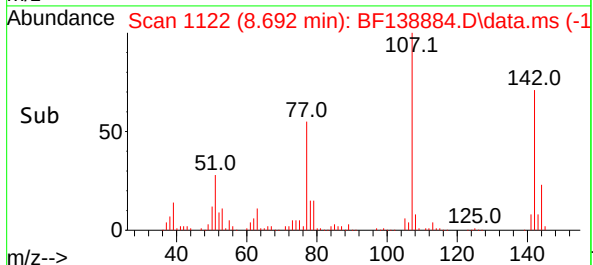
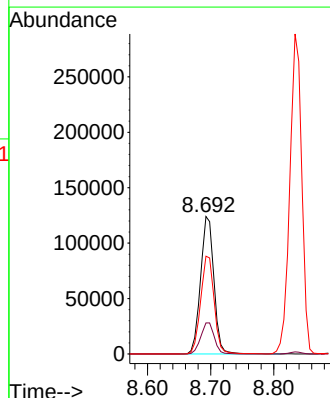
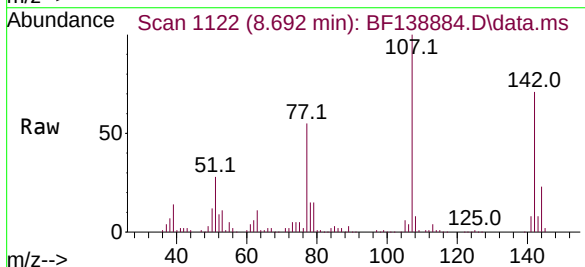
Tgt Ion:107 Resp: 182831

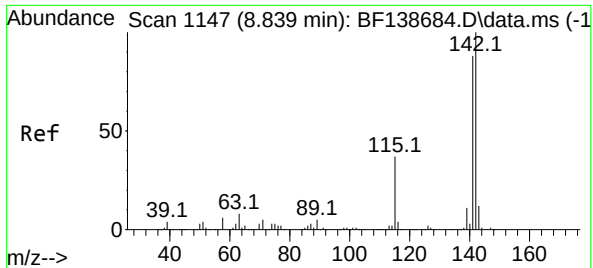
Ion Ratio Lower Upper

107 100

144 22.6 18.2 27.2

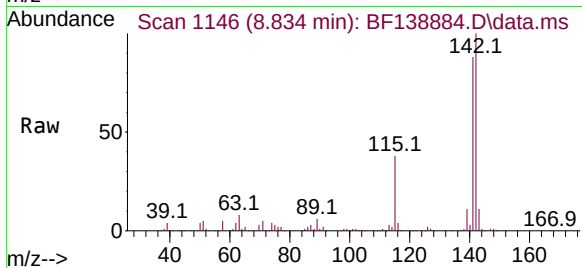
142 71.1 57.4 86.2





#37
2-Methylnaphthalene
Concen: 47.487 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

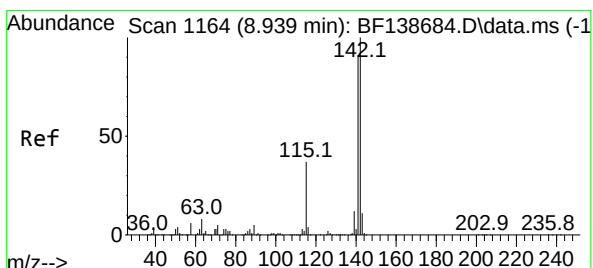
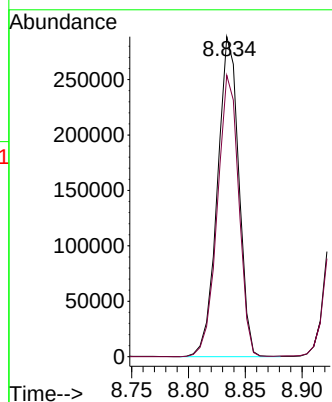
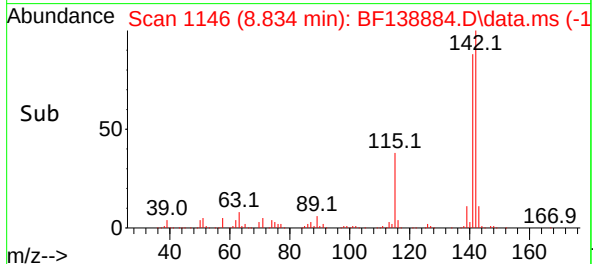
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:142 Resp: 37825
Ion Ratio Lower Upper
142 100
141 87.9 70.8 106.2

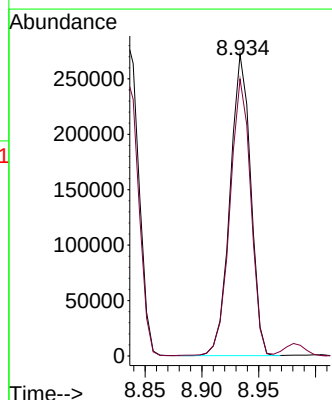
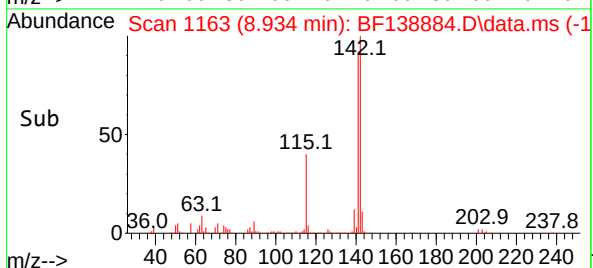
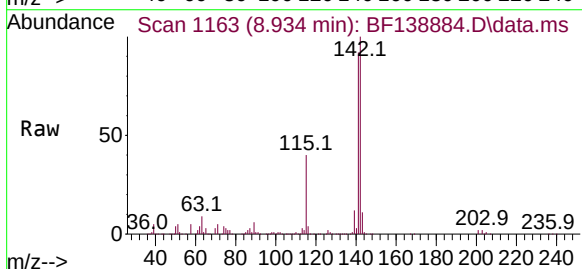
Manual Integrations
APPROVED

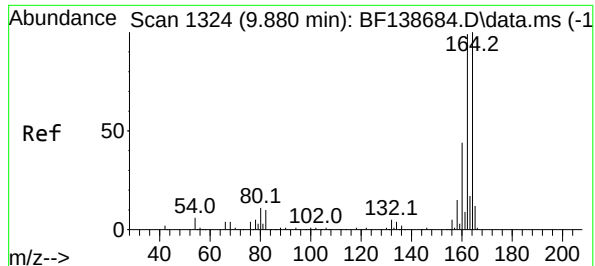
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#38
1-Methylnaphthalene
Concen: 44.045 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:142 Resp: 343784
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:164 Resp: 137458

Ion Ratio Lower Upper

164 100

162 101.7 79.4 119.0

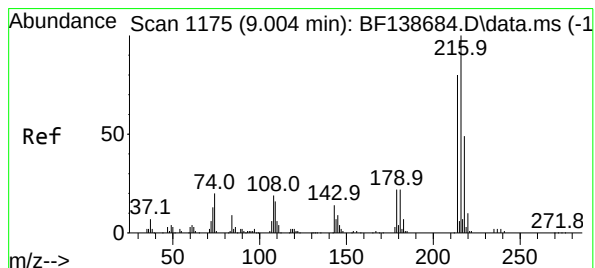
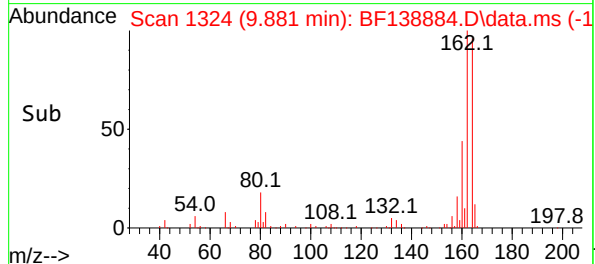
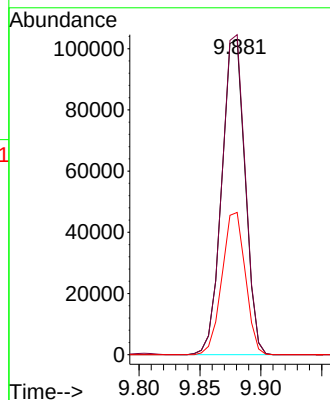
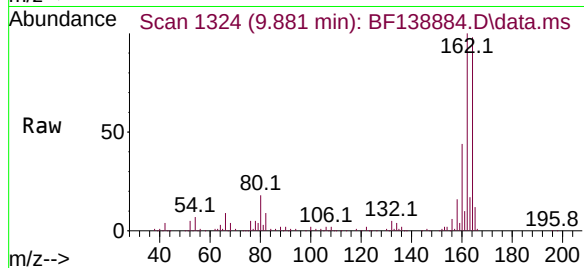
160 45.2 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.914 ng

RT: 9.004 min Scan# 1175

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Tgt Ion:216 Resp: 160044

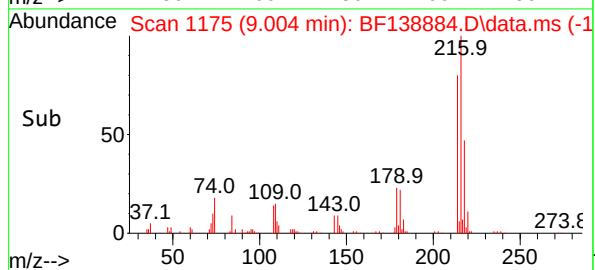
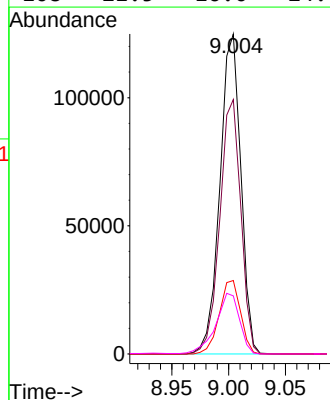
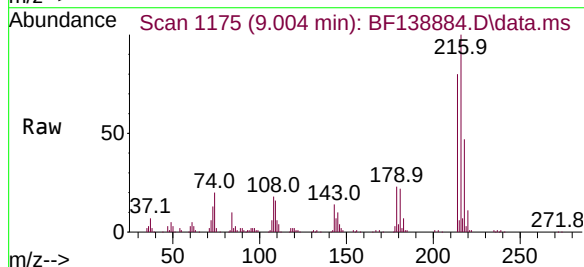
Ion Ratio Lower Upper

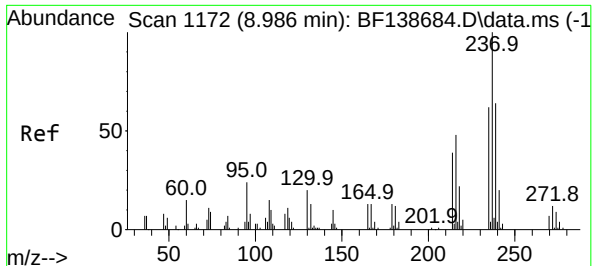
216 100

214 79.7 63.9 95.9

179 23.4 17.8 26.6

108 21.5 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 105.078 ng

RT: 8.981 min Scan# 1172

Delta R.T. -0.005 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:237 Resp: 10861

Ion Ratio Lower Upper

237 100

235 62.4 41.8 81.8

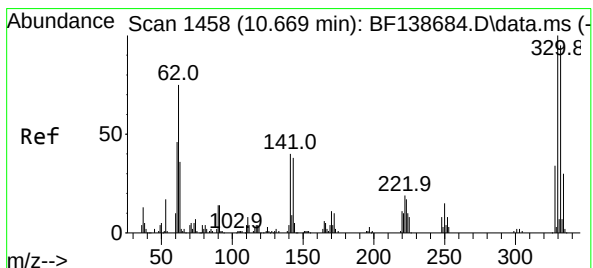
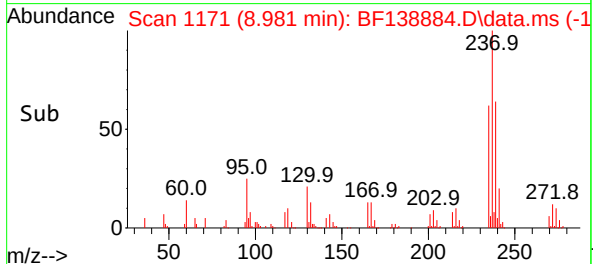
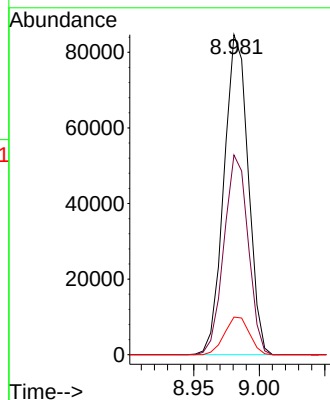
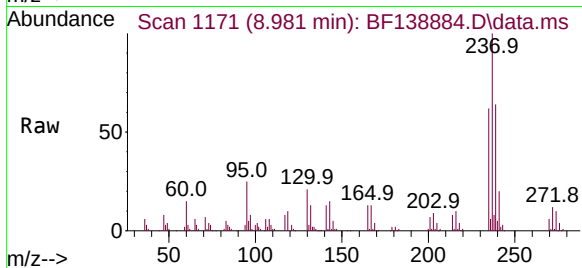
272 11.8 0.0 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#42

2,4,6-Tribromophenol

Concen: 135.760 ng

RT: 10.675 min Scan# 1459

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

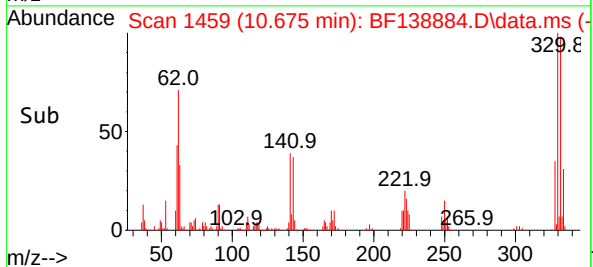
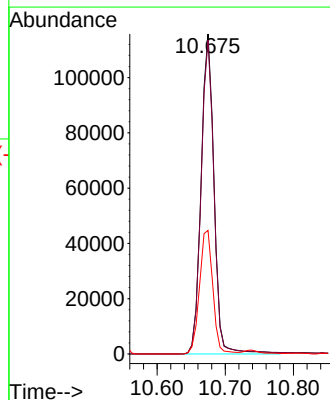
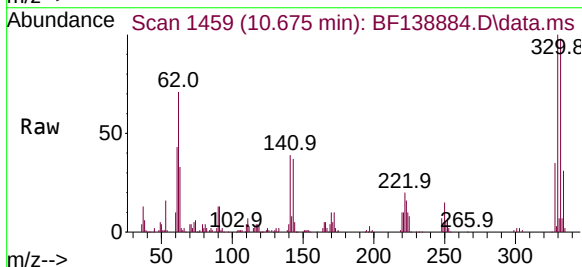
Tgt Ion:330 Resp: 152861

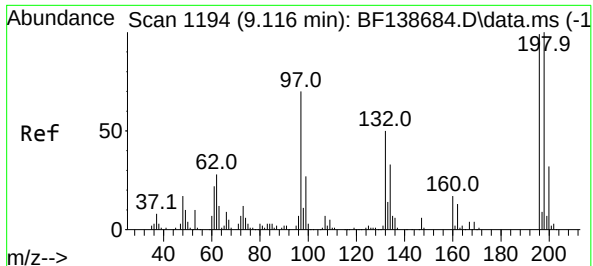
Ion Ratio Lower Upper

330 100

332 98.7 76.4 114.6

141 39.8 31.1 46.7





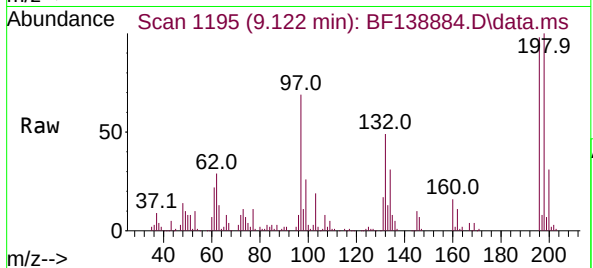
#43
2,4,6-Trichlorophenol
Concen: 45.633 ng
RT: 9.122 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

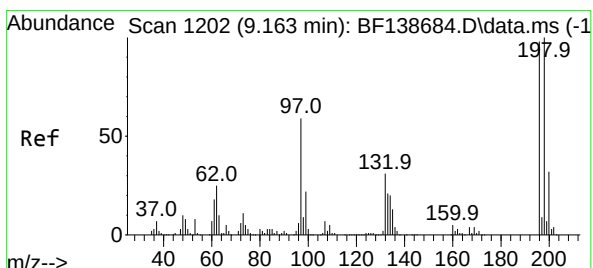
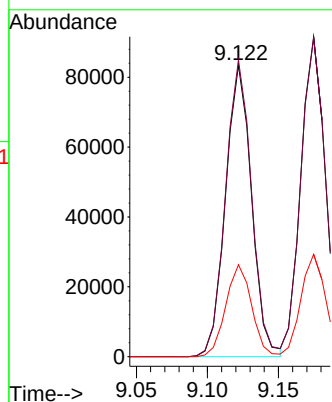


Tgt Ion:196 Resp: 106239
Ion Ratio Lower Upper
196 100
198 101.9 80.5 120.7
200 31.6 25.9 38.9

Manual Integrations

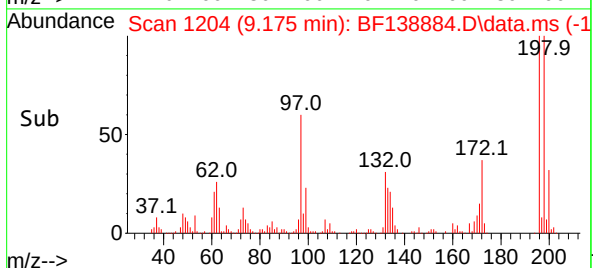
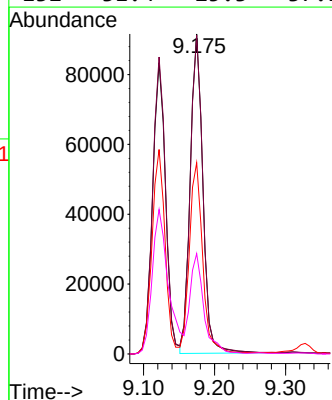
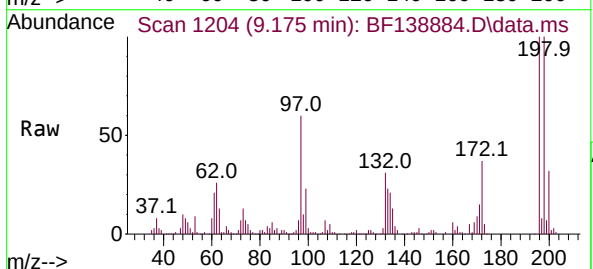
APPROVED

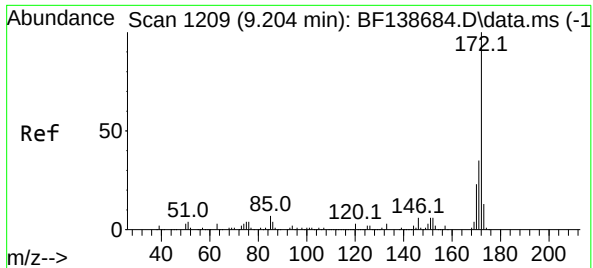
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#44
2,4,5-Trichlorophenol
Concen: 44.656 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

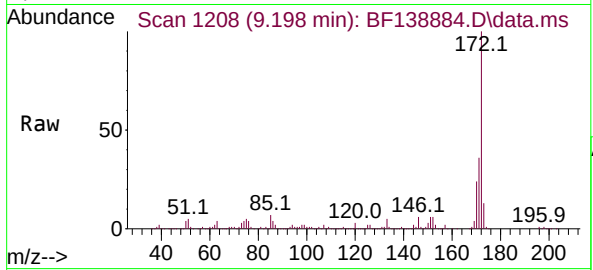
Tgt Ion:196 Resp: 113656
Ion Ratio Lower Upper
196 100
198 99.6 81.2 121.8
97 59.8 47.8 71.6
132 31.4 25.3 37.9





#45
2-Fluorobiphenyl
Concen: 86.954 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

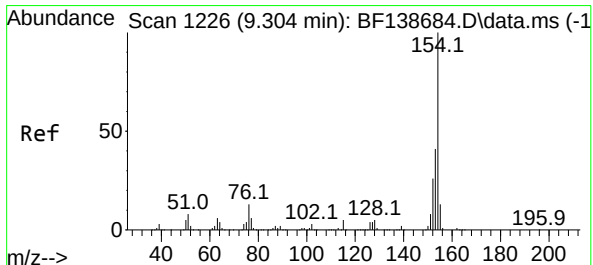
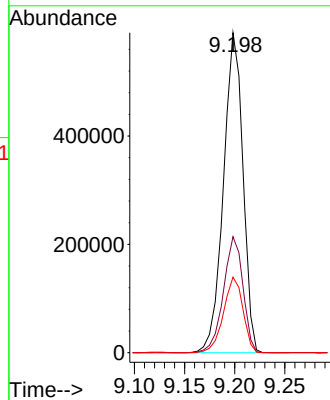
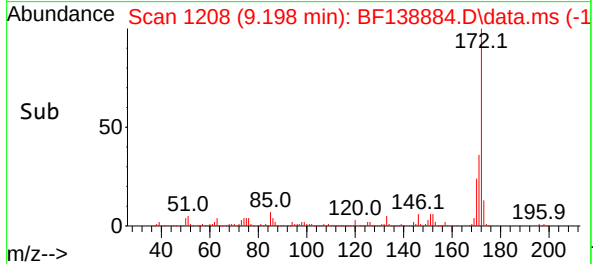
Instrument :
BNA_F
ClientSampleId :
PB162423BS



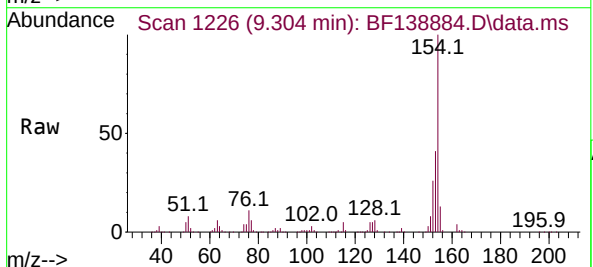
Tgt Ion:172 Resp: 795512
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 23.6 18.8 28.2

Manual Integrations
APPROVED

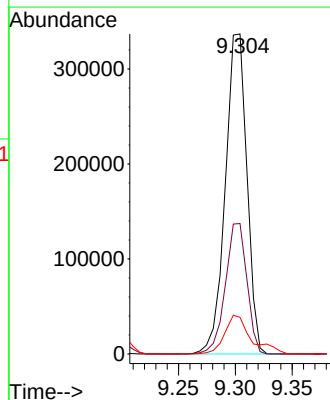
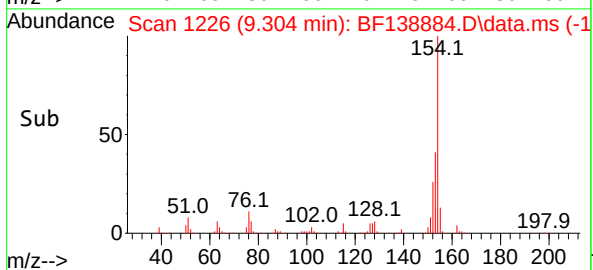
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

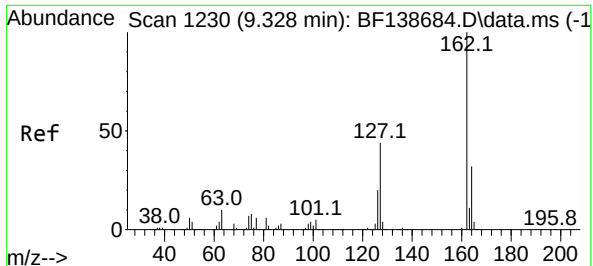


#46
1,1'-Biphenyl
Concen: 41.383 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23



Tgt Ion:154 Resp: 445508
Ion Ratio Lower Upper
154 100
153 40.7 20.8 60.8
76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 43.720 ng

RT: 9.328 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:162 Resp: 35004

Ion Ratio Lower Upper

162 100

127 44.5 35.4 53.2

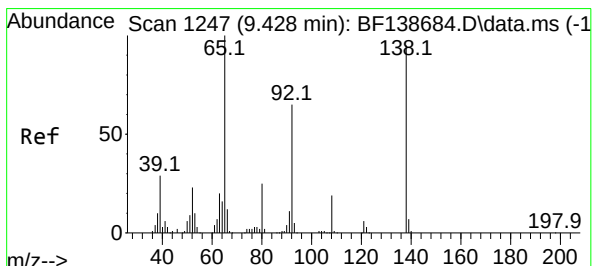
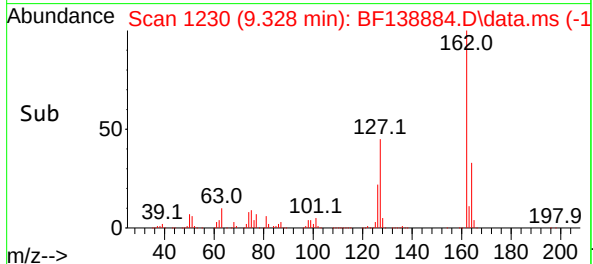
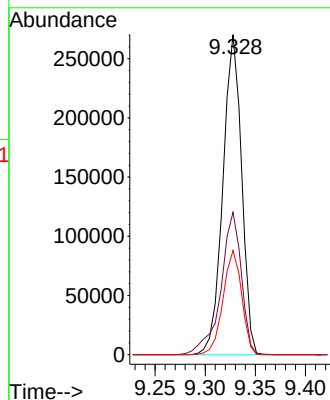
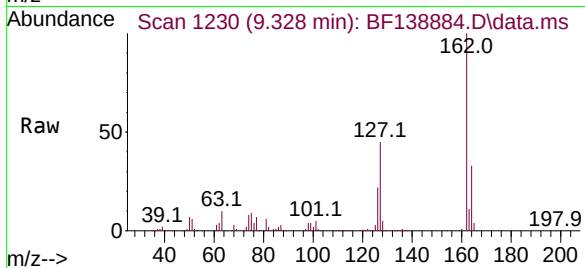
164 32.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#48

2-Nitroaniline

Concen: 46.637 ng

RT: 9.434 min Scan# 1248

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

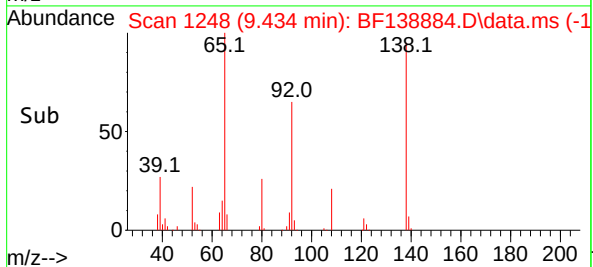
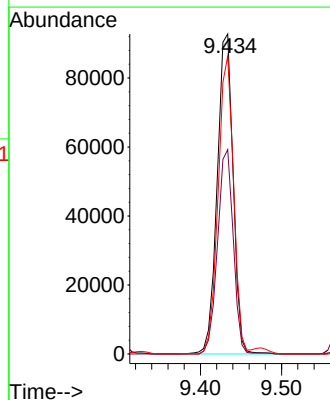
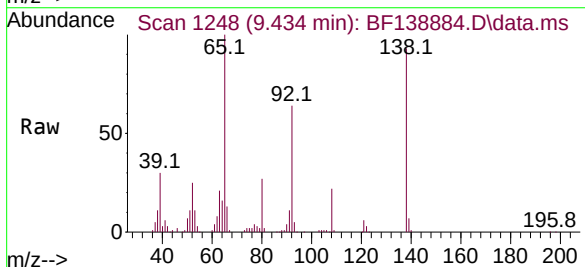
Tgt Ion: 65 Resp: 126588

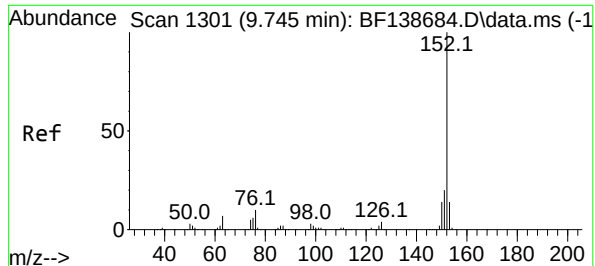
Ion Ratio Lower Upper

65 100

92 63.8 52.0 78.0

138 93.1 76.2 114.4





#49

Acenaphthylene

Concen: 48.769 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:152 Resp: 55381

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

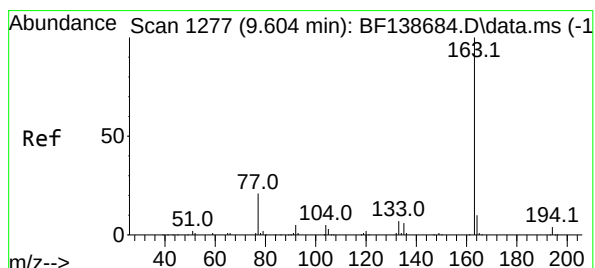
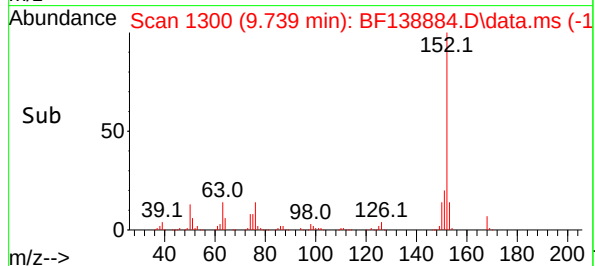
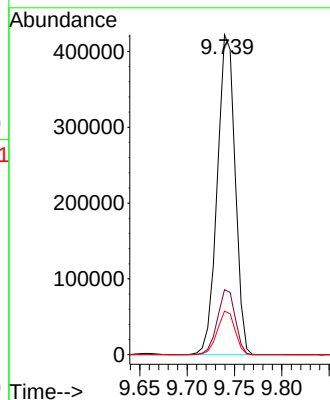
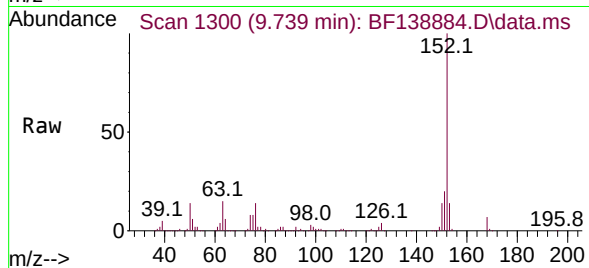
153 13.6 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#50

Dimethylphthalate

Concen: 48.785 ng

RT: 9.604 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

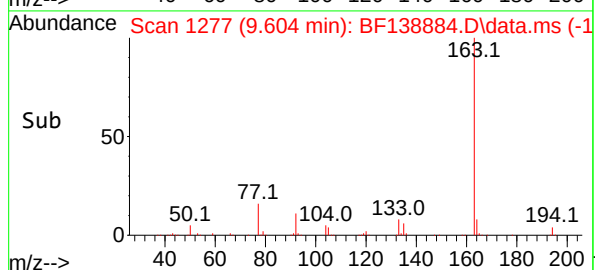
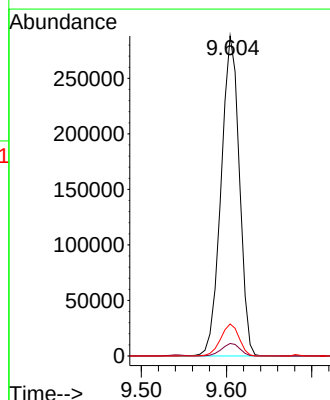
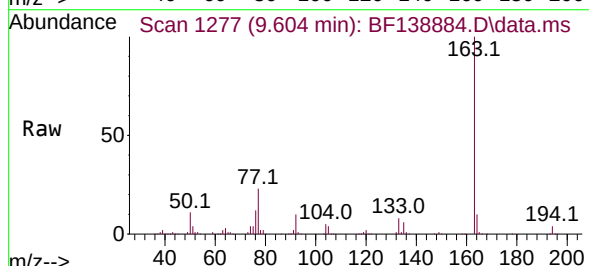
Tgt Ion:163 Resp: 428780

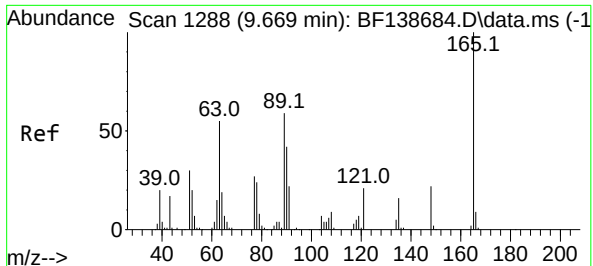
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.0 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 45.692 ng
RT: 9.675 min Scan# 1288
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

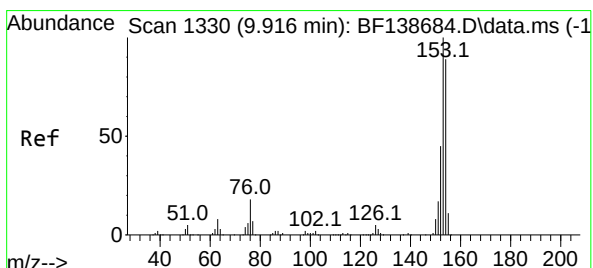
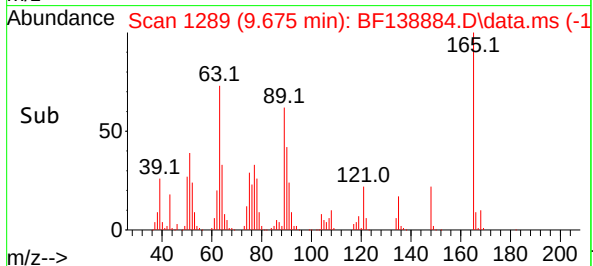
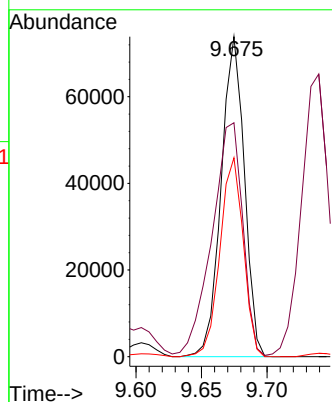
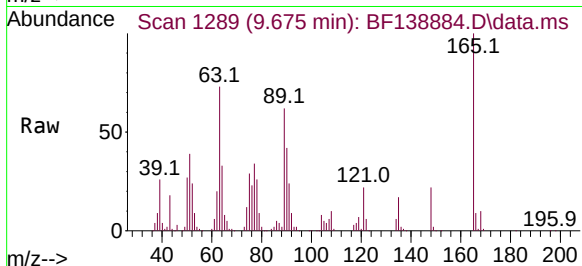
ClientSampleId :

PB162423BS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	73.1	52.0	78.0
89	62.2	47.0	70.6

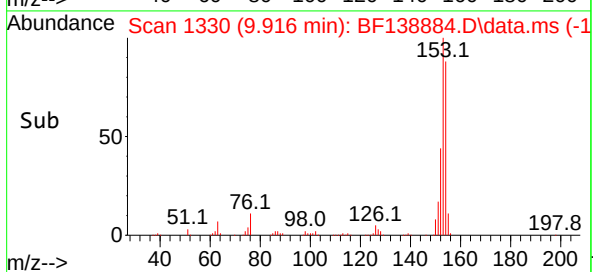
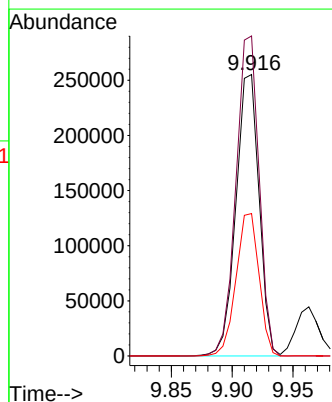
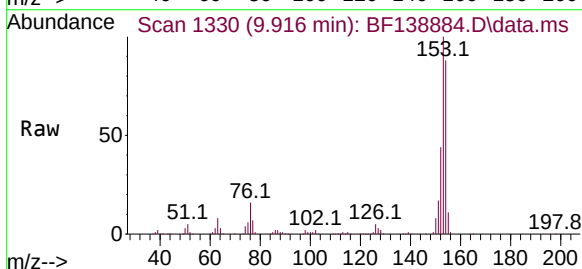
Manual Integrations
APPROVED

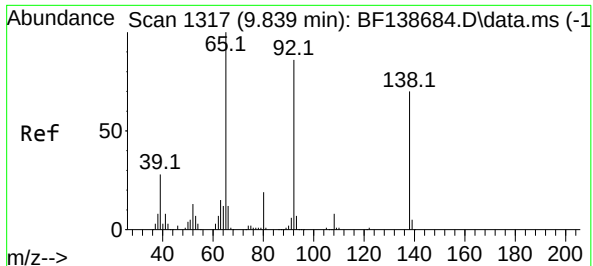
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#52
Acenaphthene
Concen: 44.313 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.9	134.9
152	50.6	40.6	60.8





#53
3-Nitroaniline
Concen: 30.016 ng
RT: 9.845 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

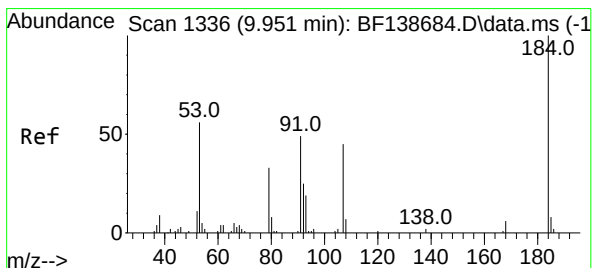
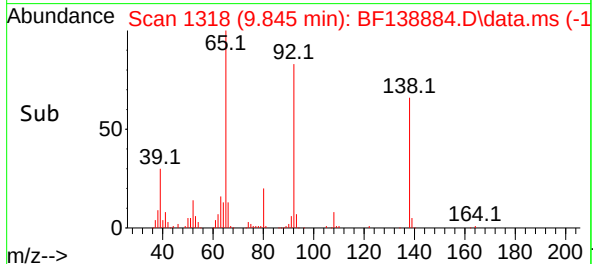
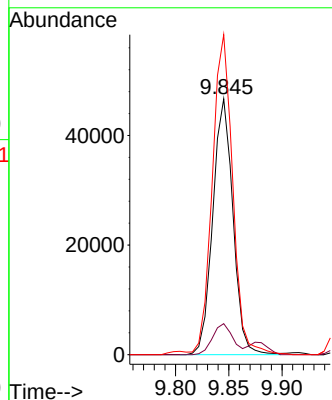
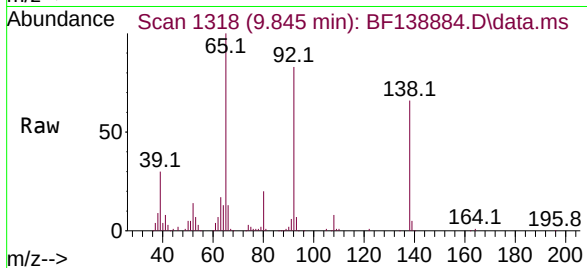
PB162423BS

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.1	9.1	13.7
92	125.1	98.7	148.1

Manual Integrations

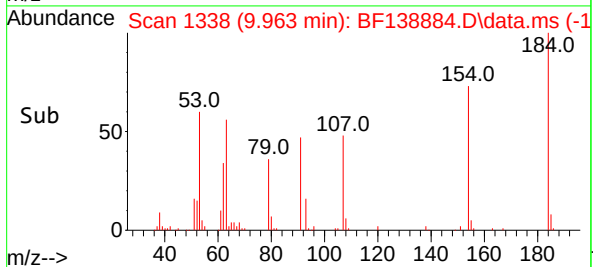
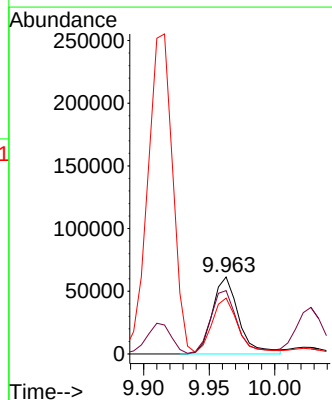
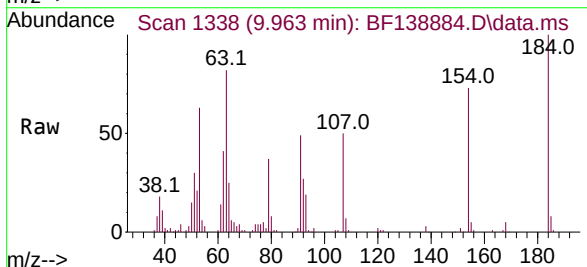
APPROVED

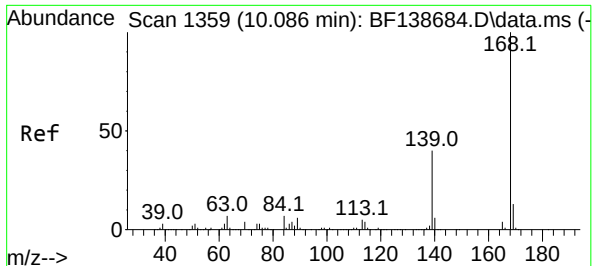
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#54
2,4-Dinitrophenol
Concen: 93.870 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

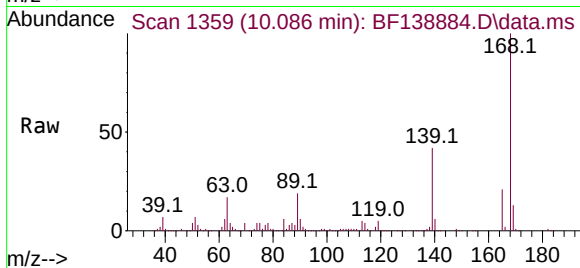
Tgt Ion	Ratio	Lower	Upper
184	100		
63	82.3	57.5	86.3
154	72.5	51.7	77.5





#55
Dibenzenofuran
Concen: 47.070 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

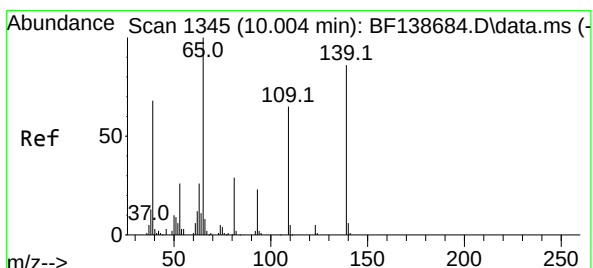
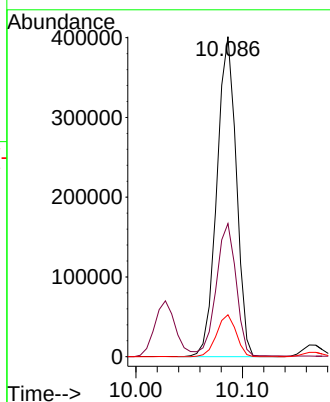
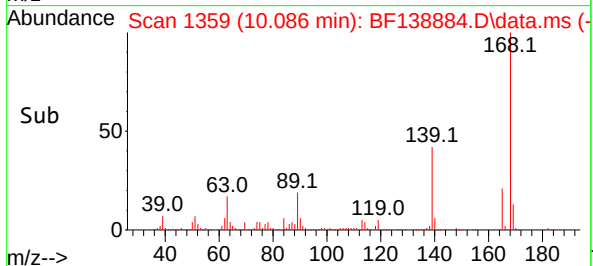
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:168 Resp: 507209
Ion Ratio Lower Upper
168 100
139 41.6 32.6 49.0
169 13.1 10.7 16.1

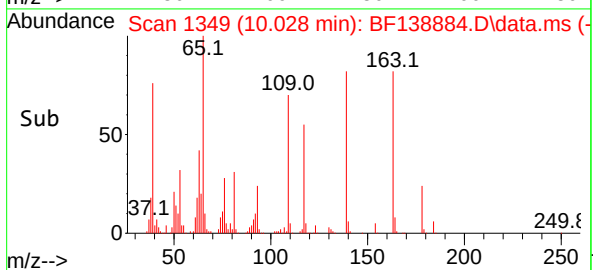
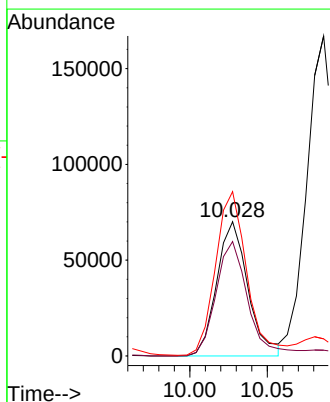
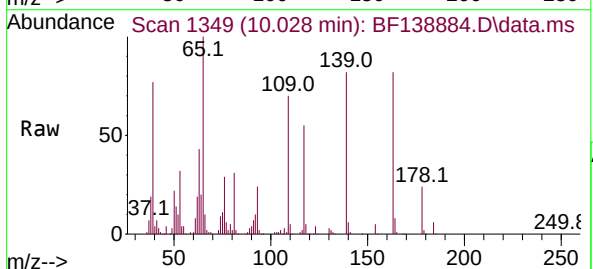
Manual Integrations
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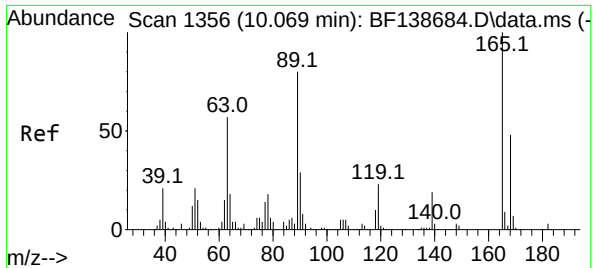
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#56
4-Nitrophenol
Concen: 79.575 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

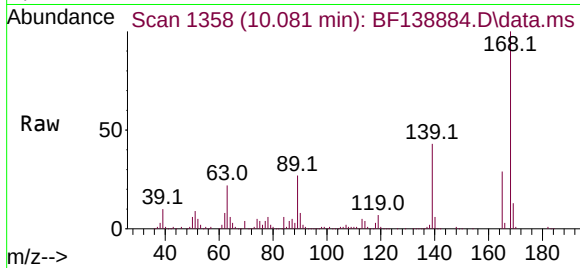
Tgt Ion:139 Resp: 98124
Ion Ratio Lower Upper
139 100
109 85.2 55.5 95.5
65 122.4 96.7 136.7





#57
2,4-Dinitrotoluene
Concen: 49.154 ng
RT: 10.081 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

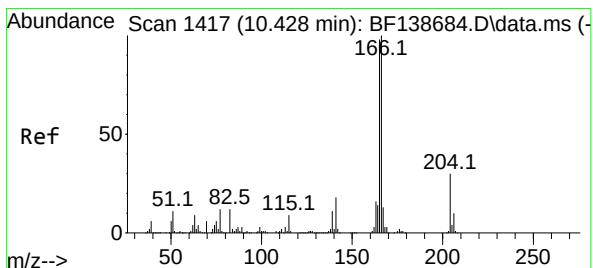
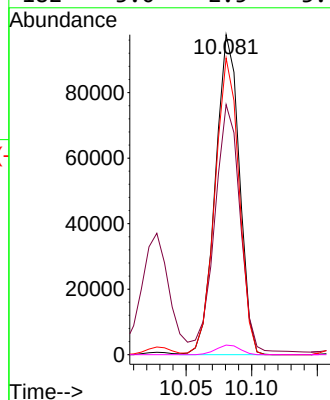
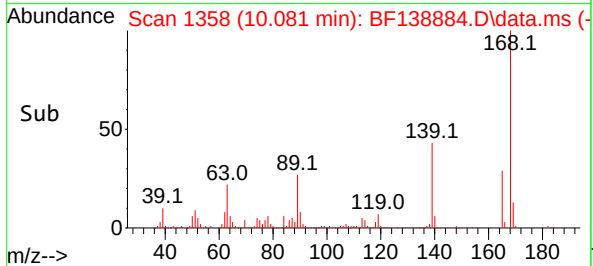
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:165 Resp: 124390
Ion Ratio Lower Upper
165 100
63 78.2 46.3 69.5
89 92.7 64.2 96.4
182 3.0 2.5 3.7

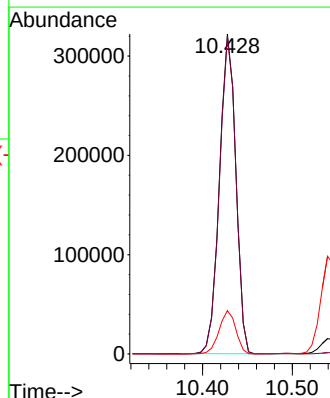
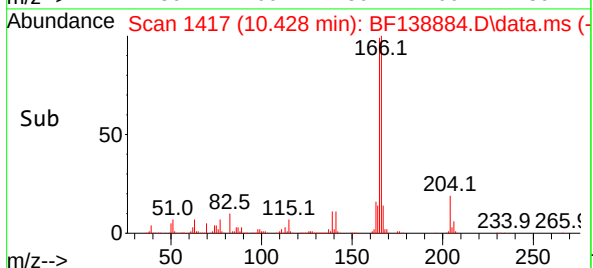
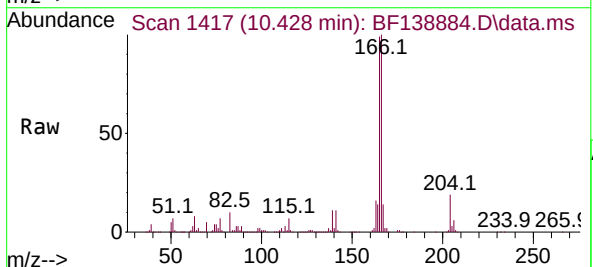
Manual Integrations
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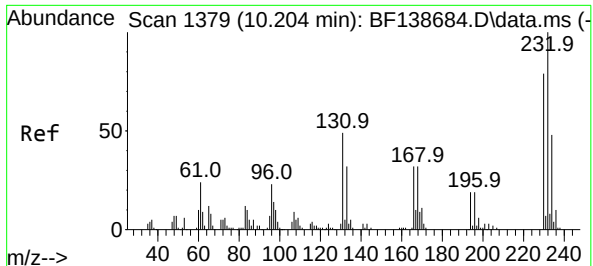
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#58
Fluorene
Concen: 47.570 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

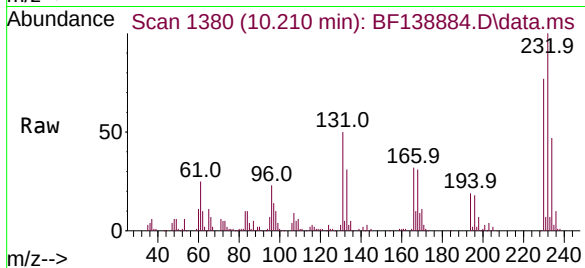
Tgt Ion:166 Resp: 408201
Ion Ratio Lower Upper
166 100
165 99.2 78.4 117.6
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.576 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

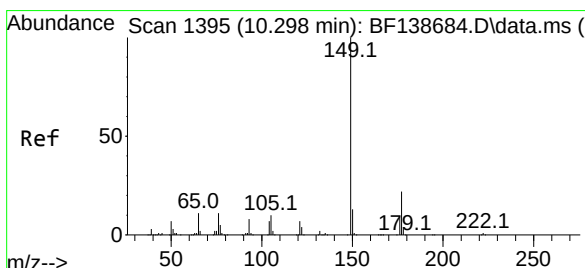
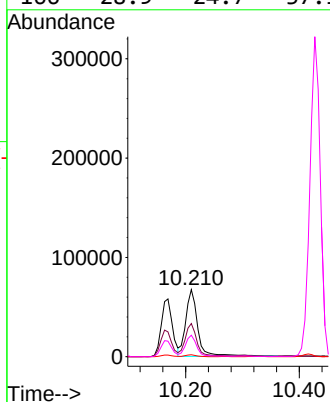
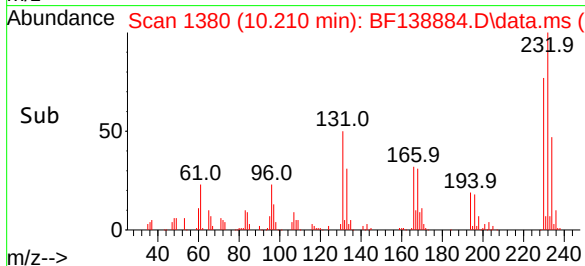
Instrument :
BNA_F
ClientSampleId :
PB162423BS



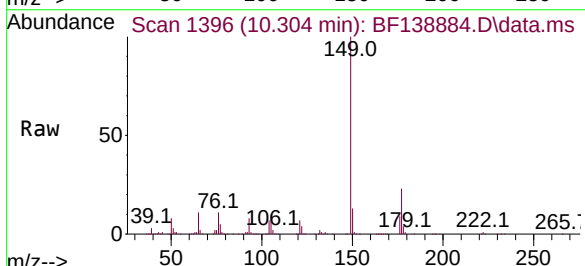
Tgt Ion:232 Resp: 9841
Ion Ratio Lower Upper
232 100
131 48.1 37.0 55.4
130 2.6 2.0 3.0
166 28.9 24.7 37.1

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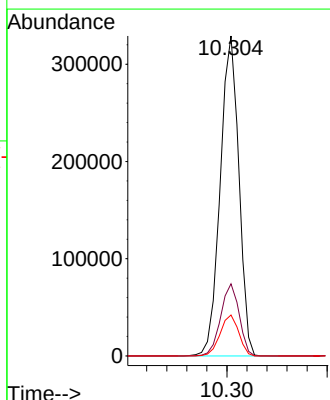
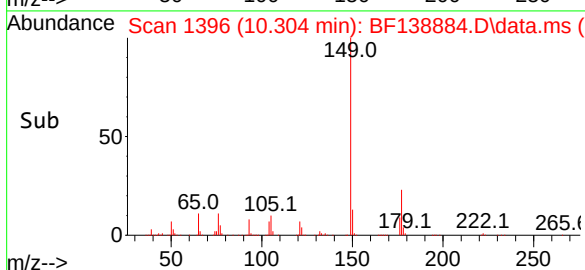
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

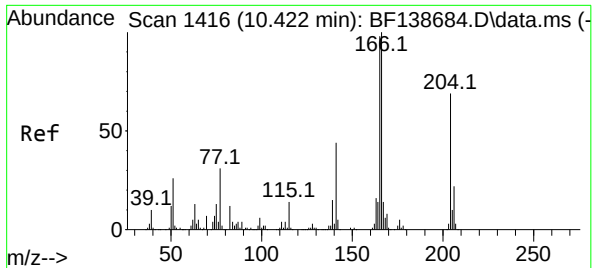


#60
Diethylphthalate
Concen: 50.866 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23



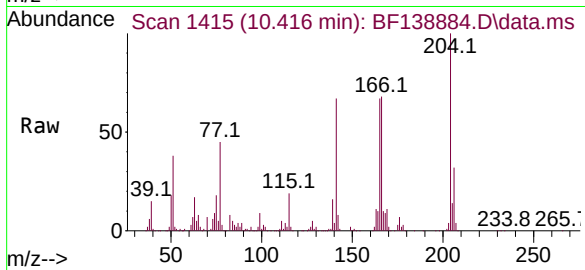
Tgt Ion:149 Resp: 423903
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 47.970 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

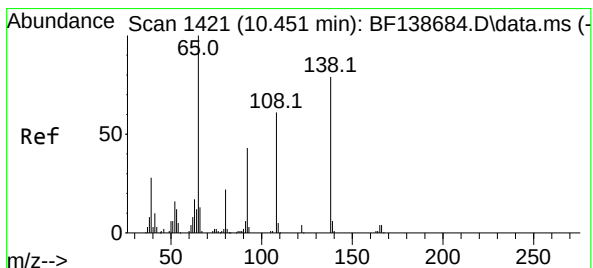
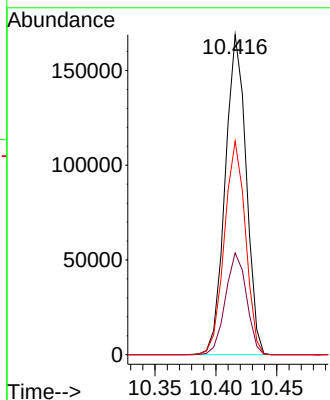
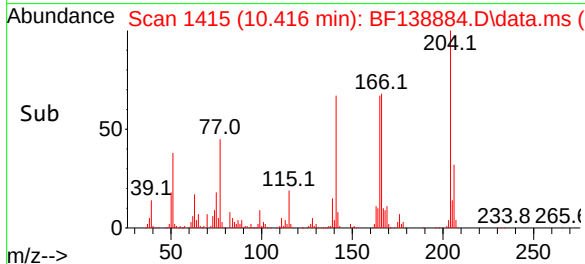
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:204 Resp: 202449
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 66.8 51.4 77.0

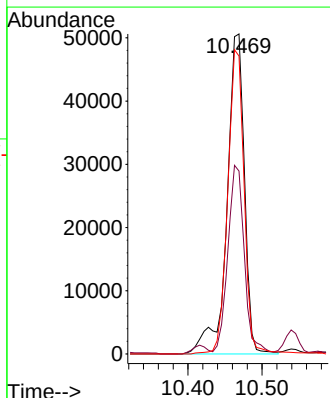
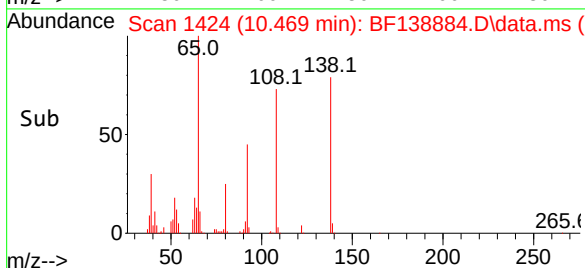
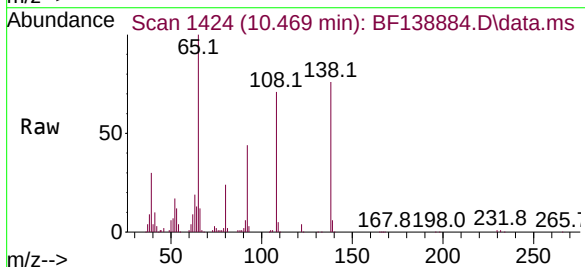
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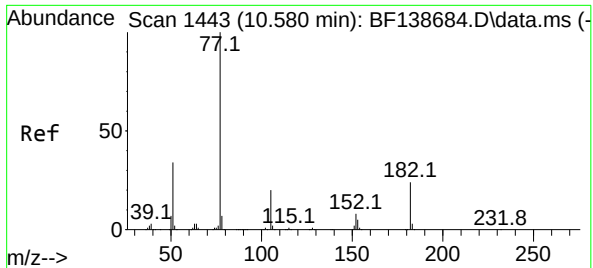
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#62
4-Nitroaniline
Concen: 42.622 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

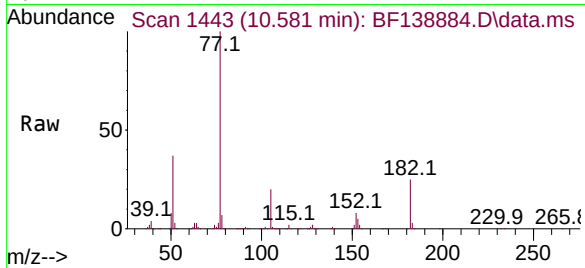
Tgt Ion:138 Resp: 83056
Ion Ratio Lower Upper
138 100
92 57.2 34.2 74.2
108 93.1 56.2 96.2





#63
Azobenzene
Concen: 47.686 ng
RT: 10.581 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

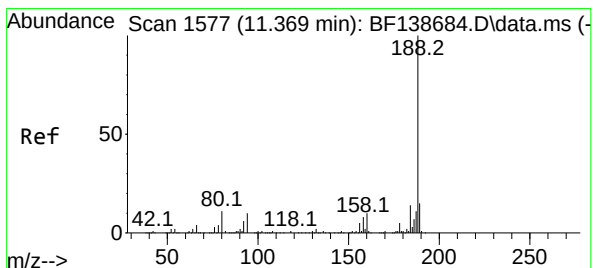
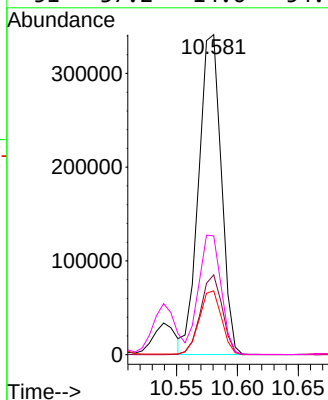
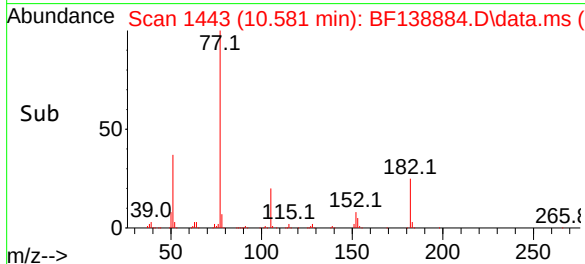
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion: 77 Resp: 440750
Ion Ratio Lower Upper
77 100
182 24.9 3.4 43.4
105 19.9 0.2 40.2
51 37.2 14.6 54.6

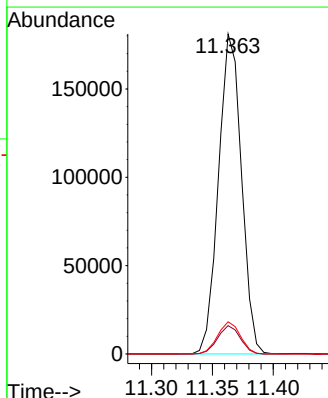
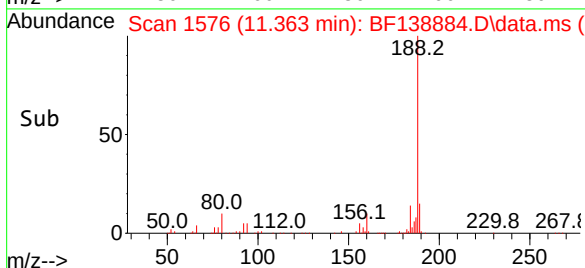
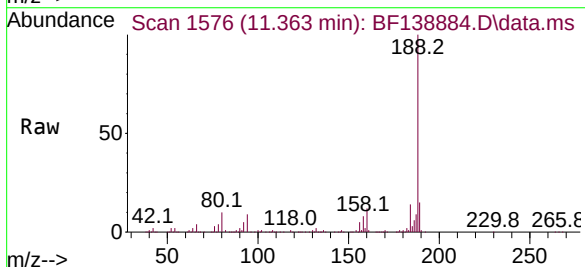
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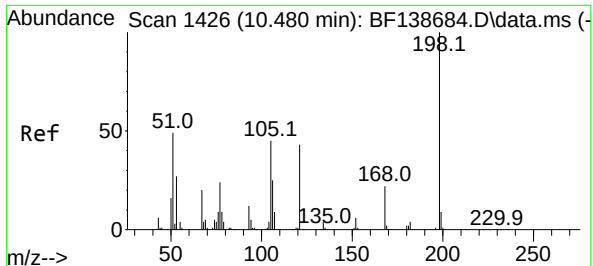
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

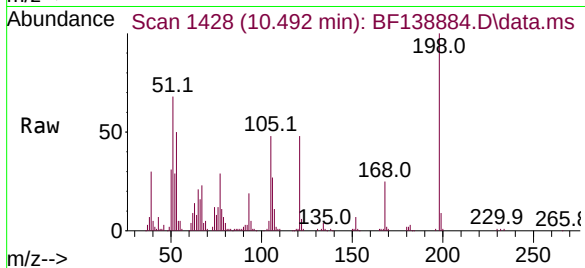
Tgt Ion:188 Resp: 237762
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 10.0 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 47.590 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

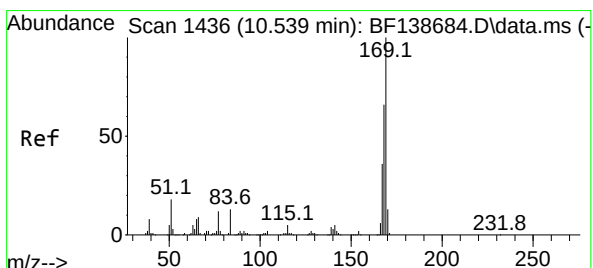
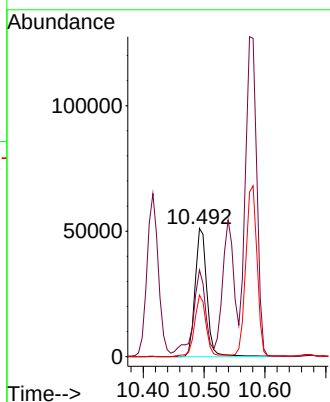
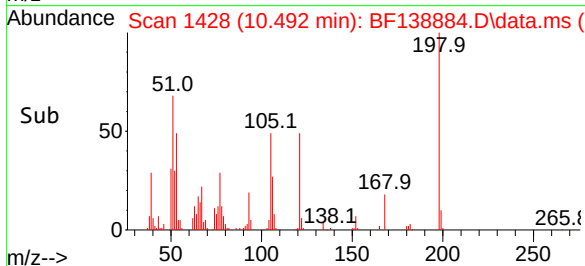
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:198 Resp: 6903
Ion Ratio Lower Upper
198 100
51 67.6 39.9 79.9
105 48.1 26.1 66.1

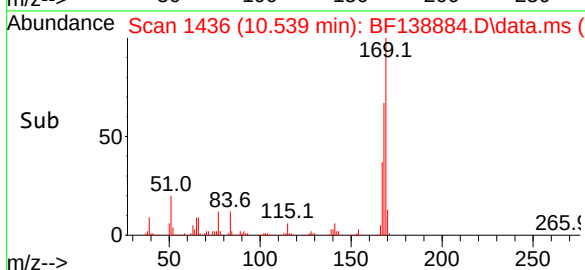
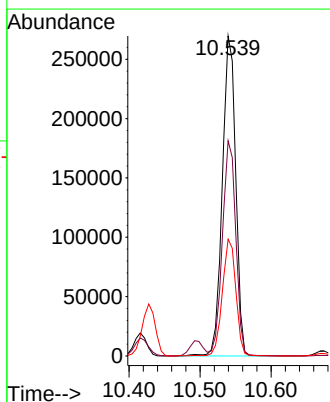
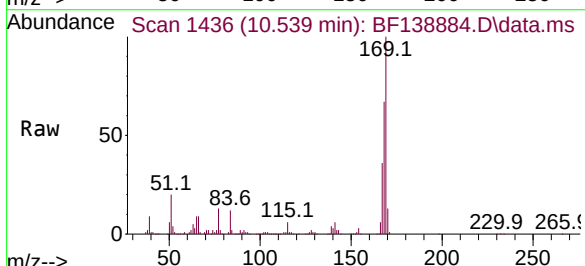
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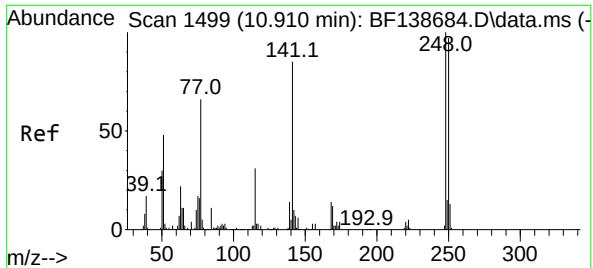
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#66
n-Nitrosodiphenylamine
Concen: 47.130 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:169 Resp: 350266
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 36.5 29.0 43.6





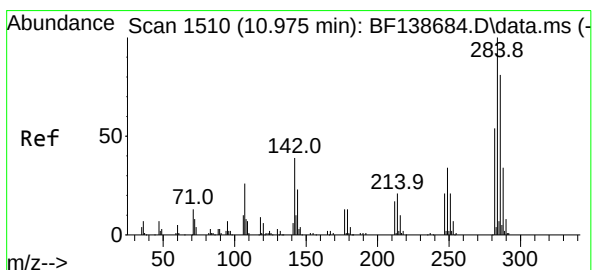
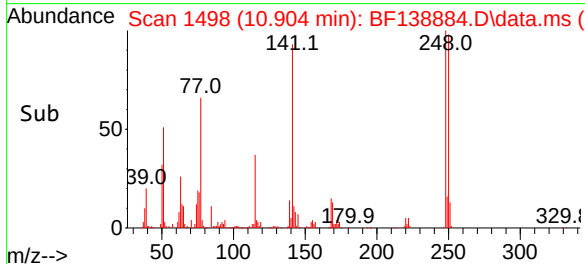
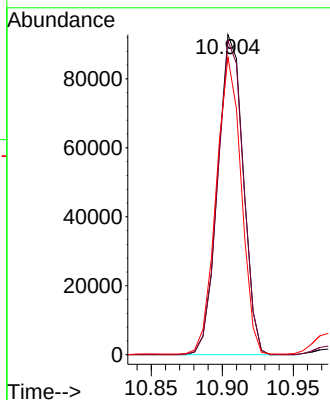
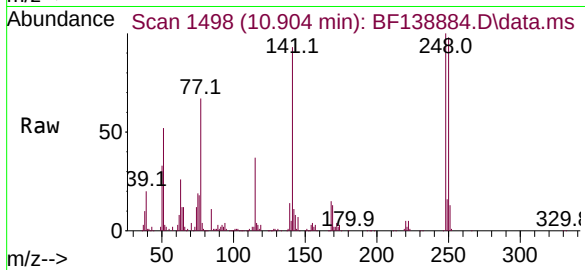
#67
4-Bromophenyl-phenylether
Concen: 45.055 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :
BNA_F
ClientSampleId :
PB162423BS

Tgt Ion:248 Resp: 11598
Ion Ratio Lower Upper
248 100
250 98.1 77.7 116.5
141 93.0 68.0 102.0

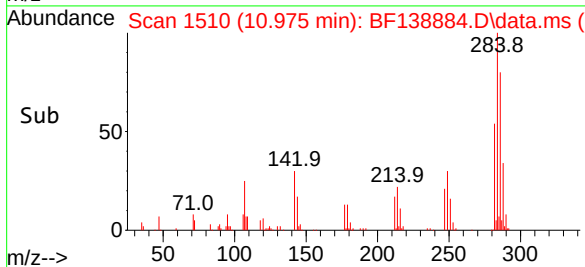
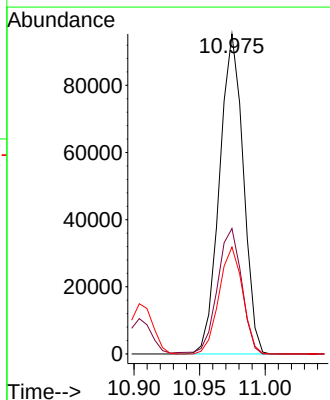
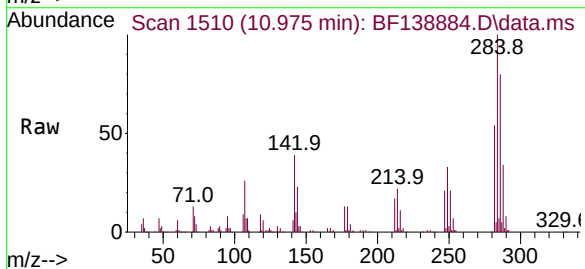
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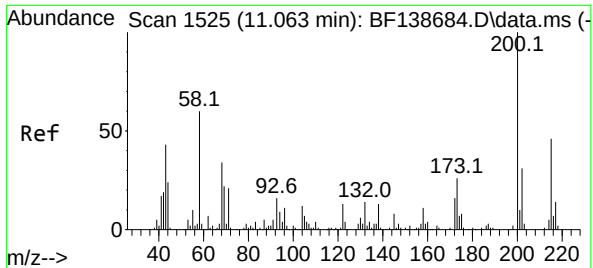
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#68
Hexachlorobenzene
Concen: 45.182 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:284 Resp: 120090
Ion Ratio Lower Upper
284 100
142 39.2 31.3 46.9
249 33.4 27.2 40.8





#69

Atrazine

Concen: 54.784 ng

RT: 11.069 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

Tgt Ion:200 Resp: 105040

Ion Ratio Lower Upper

200 100

173 25.1 6.0 46.0

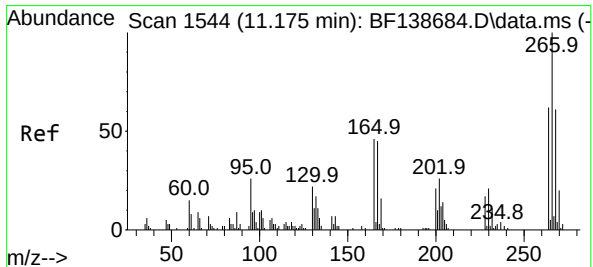
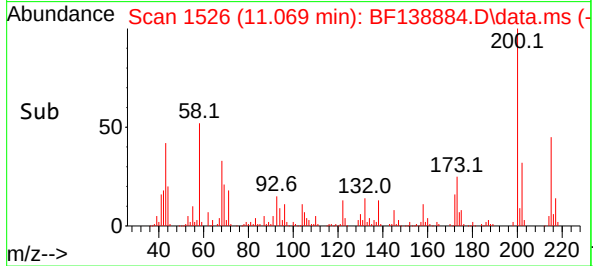
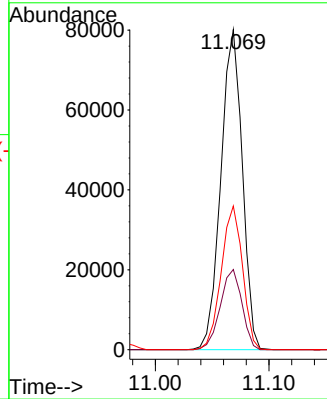
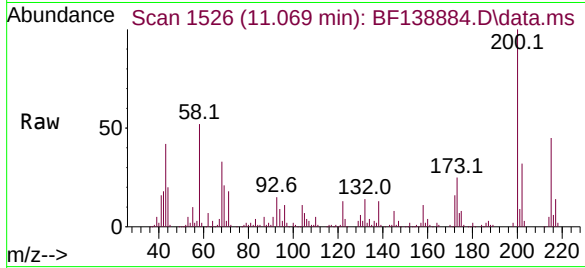
215 44.9 26.1 66.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024



#70

Pentachlorophenol

Concen: 79.657 ng

RT: 11.180 min Scan# 1545

Delta R.T. 0.005 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

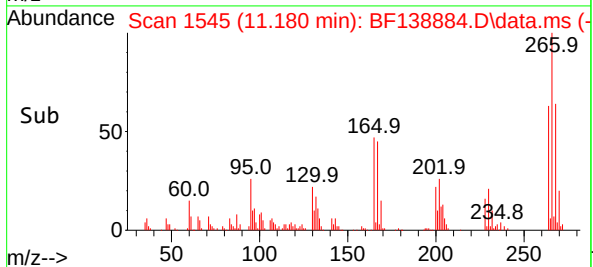
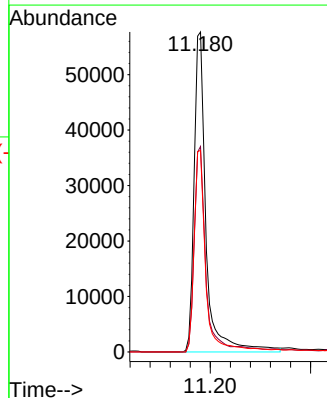
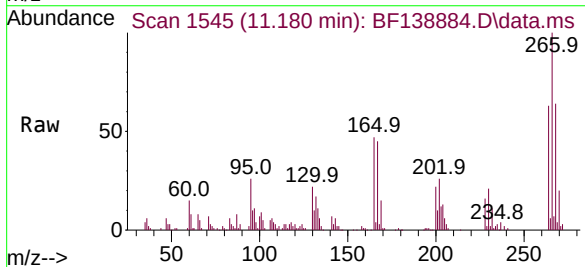
Tgt Ion:266 Resp: 95431

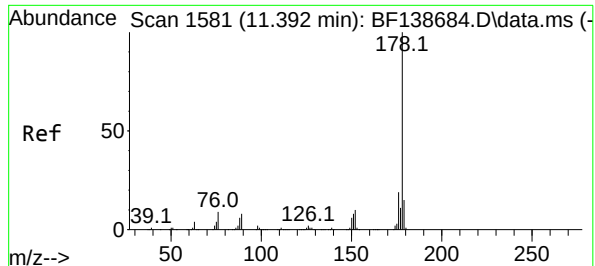
Ion Ratio Lower Upper

266 100

268 64.2 49.2 73.8

264 63.0 49.8 74.6





#71
Phenanthrene
Concen: 46.796 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

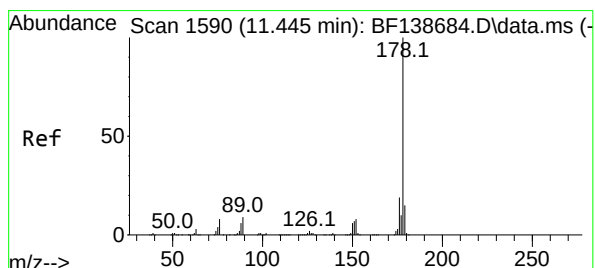
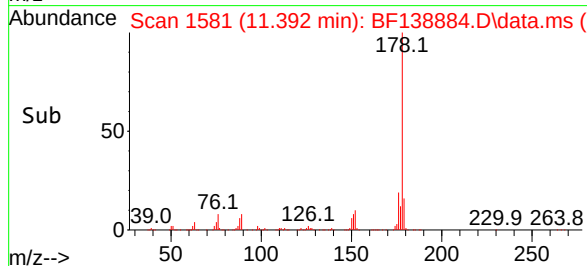
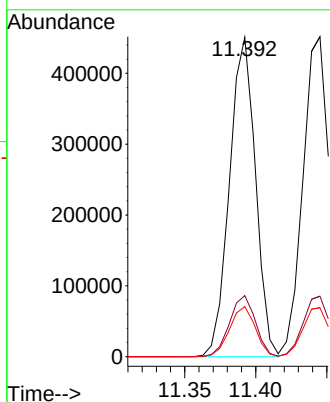
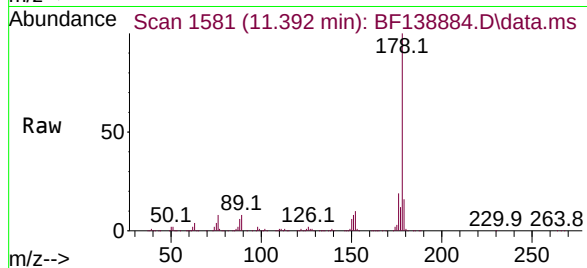
ClientSampleId :

PB162423BS

Tgt Ion:178 Resp: 572920
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.7 12.2 18.2

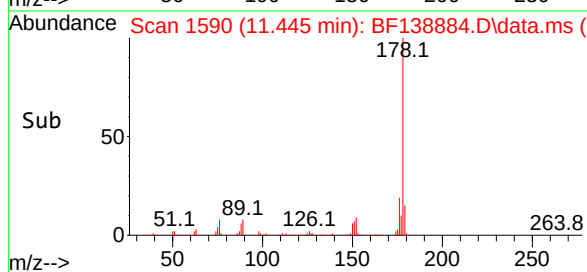
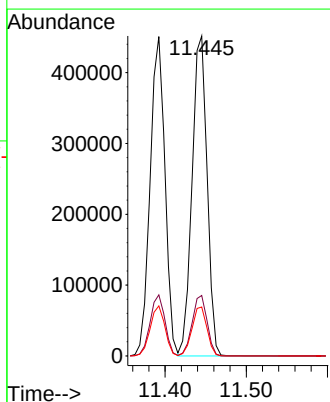
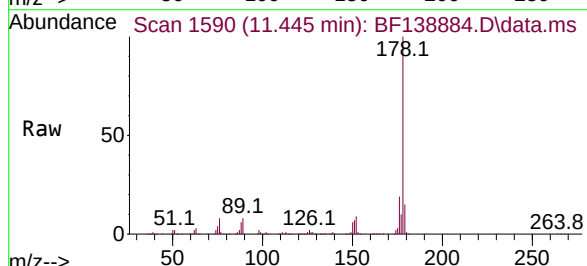
Manual Integrations
APPROVED

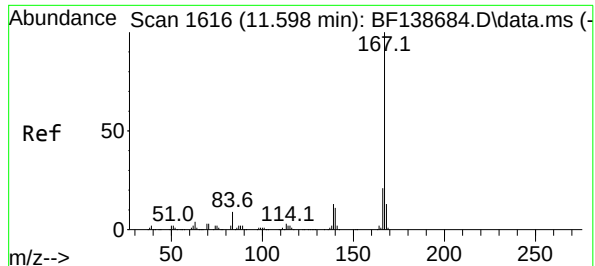
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#72
Anthracene
Concen: 48.311 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:178 Resp: 582679
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.3 12.4 18.6





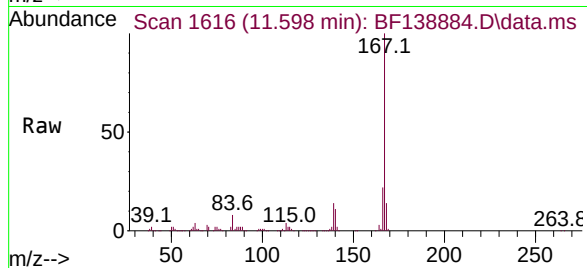
#73
Carbazole
Concen: 46.329 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

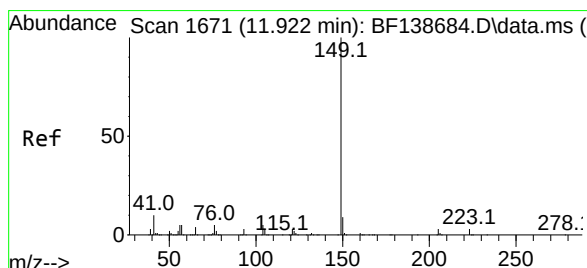
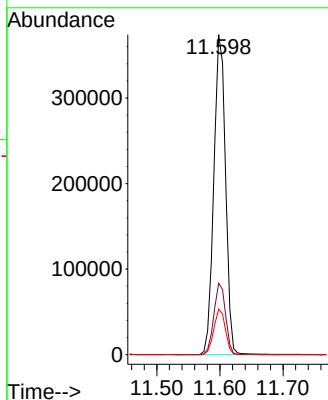
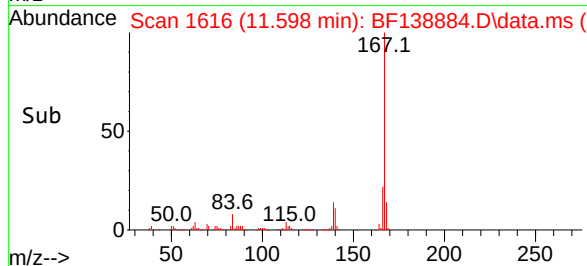


Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.2	25.8
139	14.2	10.6	16.0

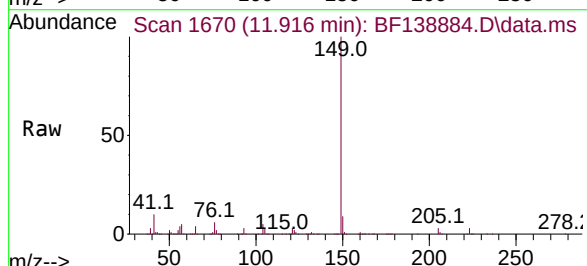
Manual Integrations

APPROVED

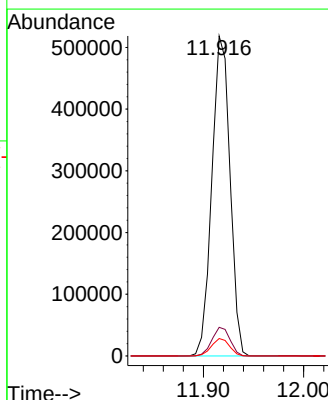
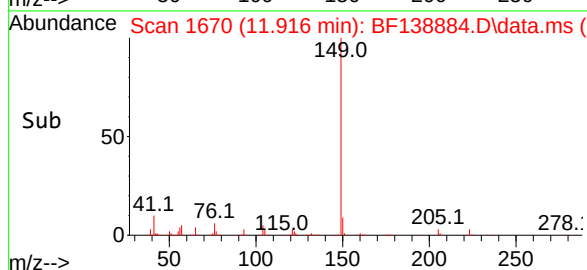
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

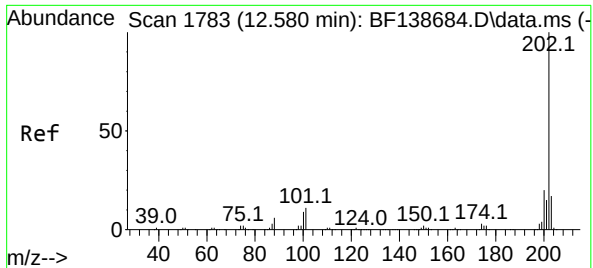


#74
Di-n-butylphthalate
Concen: 55.627 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23



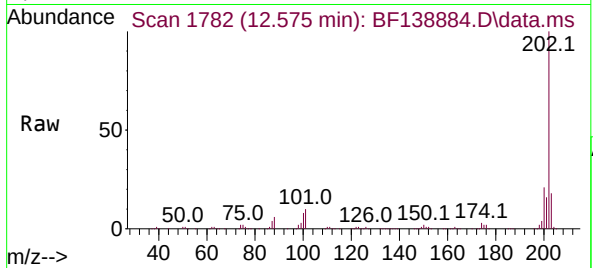
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.5	4.1	6.1





#75
Fluoranthene
Concen: 48.278 ng
RT: 12.575 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

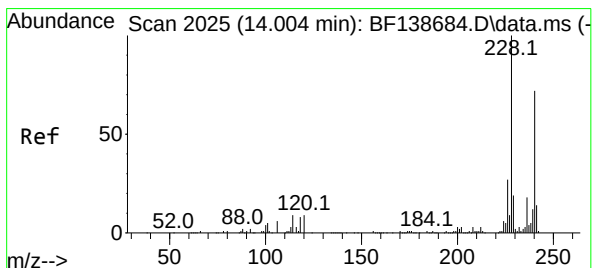
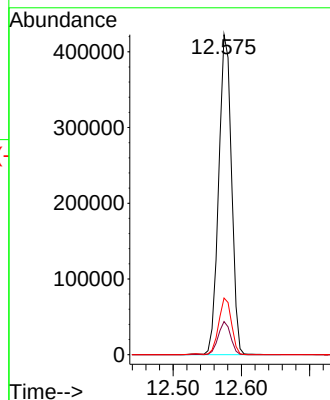
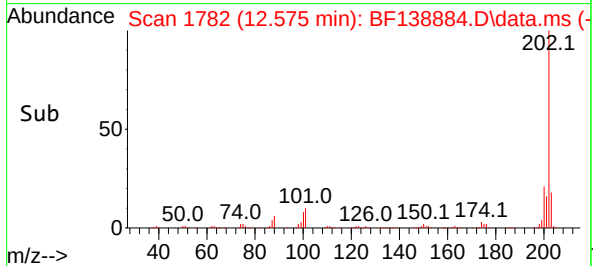
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:202 Resp: 551788
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.2
203 17.7 0.0 37.3

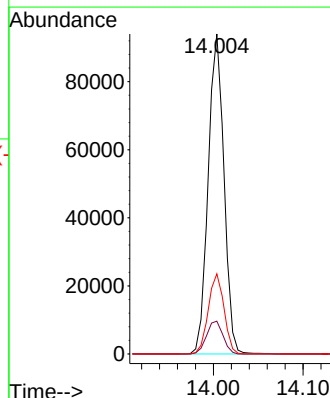
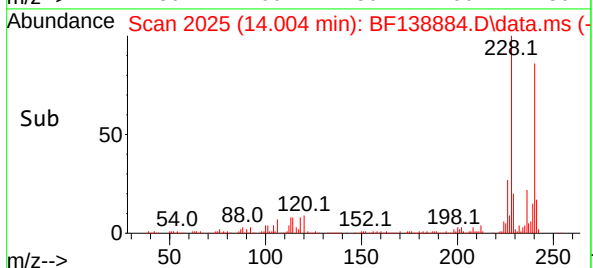
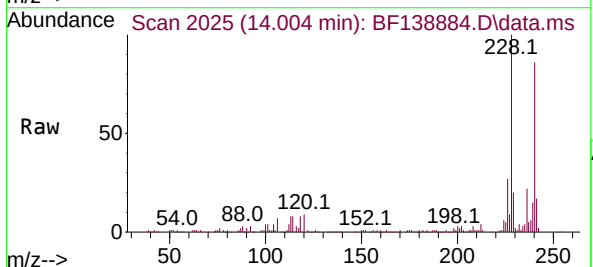
Manual Integrations
APPROVED

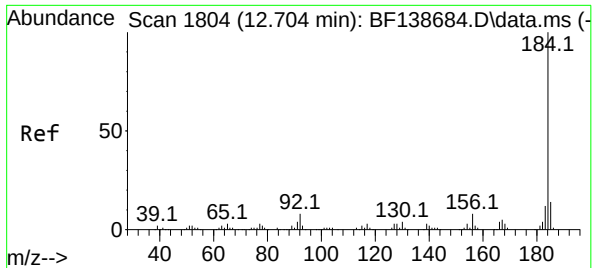
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

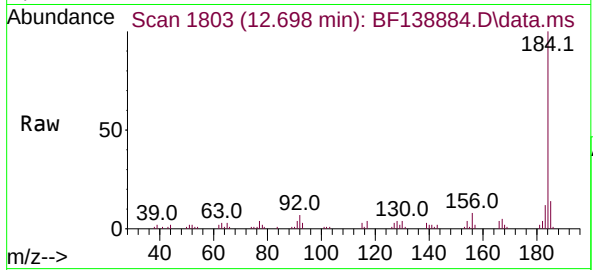
Tgt Ion:240 Resp: 114847
Ion Ratio Lower Upper
240 100
120 10.2 10.2 15.4#
236 25.1 19.8 29.8





#77
Benzidine
Concen: 13.044 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

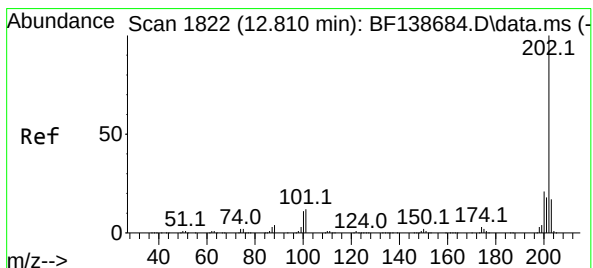
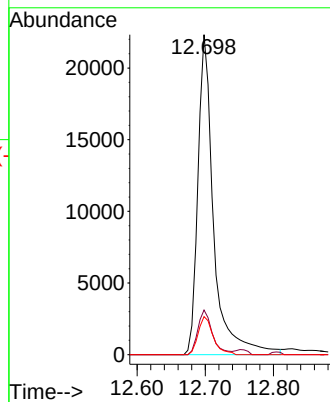
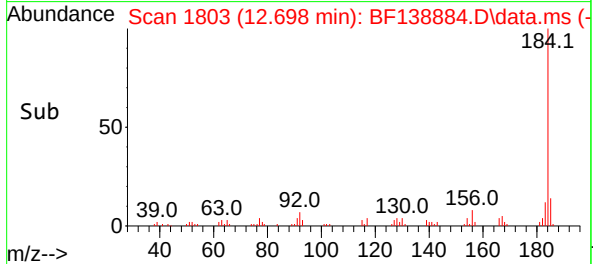
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:184 Resp: 35832
Ion Ratio Lower Upper
184 100
185 13.9 11.1 16.7
183 11.9 9.6 14.4

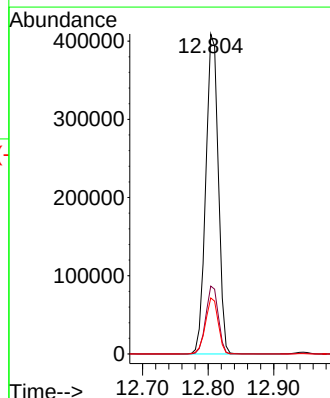
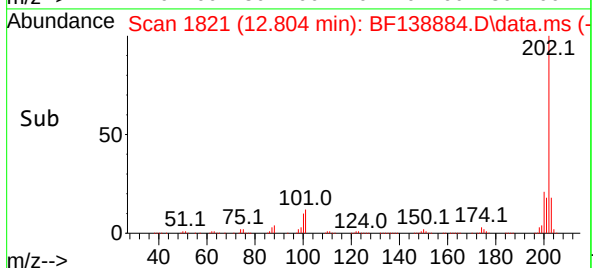
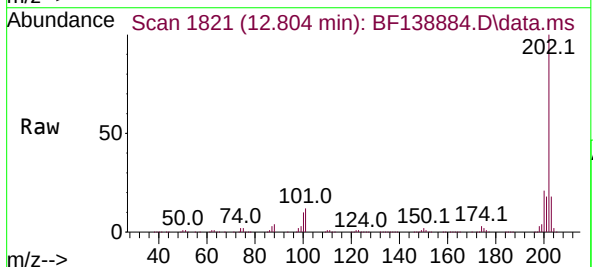
Manual Integrations
APPROVED

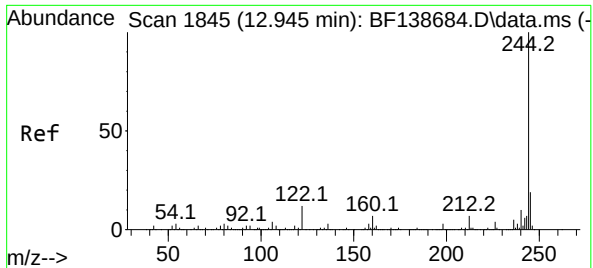
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#78
Pyrene
Concen: 50.298 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

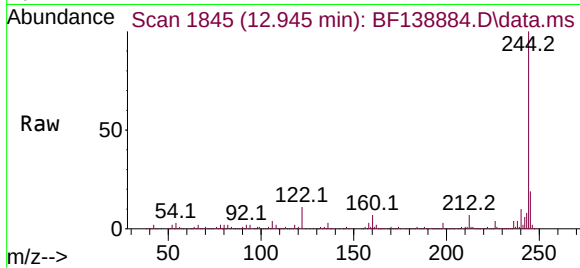
Tgt Ion:202 Resp: 543880
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.5 13.8 20.6





#79
Terphenyl-d14
Concen: 117.532 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

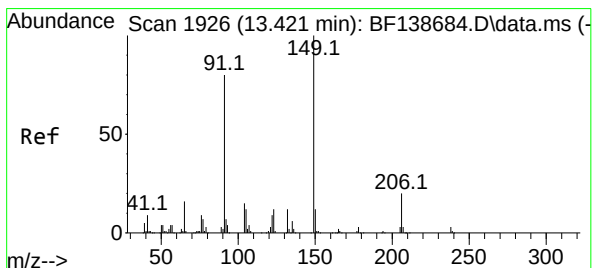
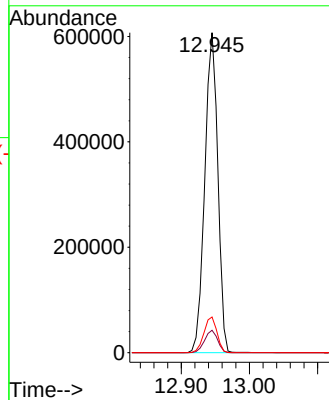
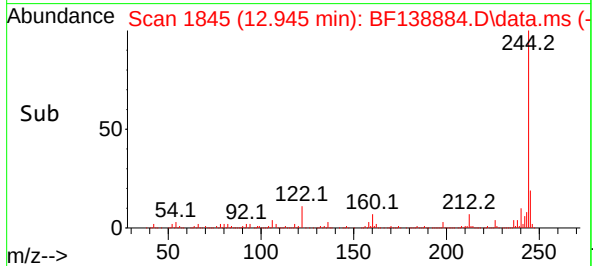
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:244 Resp: 80621
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.1 9.6 14.4

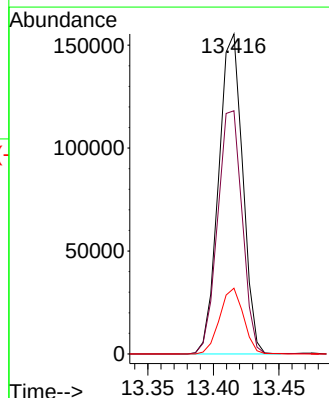
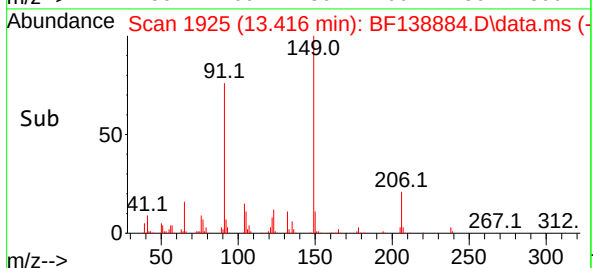
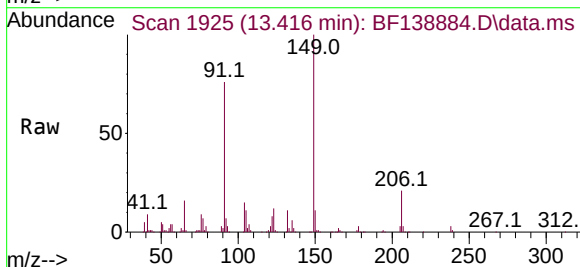
Manual Integrations
APPROVED

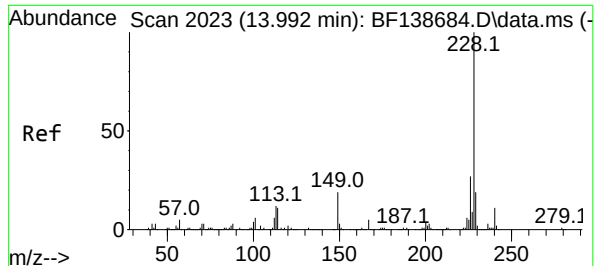
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#80
Butylbenzylphthalate
Concen: 57.273 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:149 Resp: 198317
Ion Ratio Lower Upper
149 100
91 76.0 63.7 95.5
206 20.5 16.2 24.2





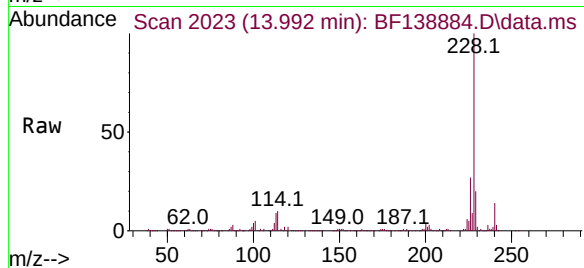
#81
Benzo(a)anthracene
Concen: 46.778 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

PB162423BS

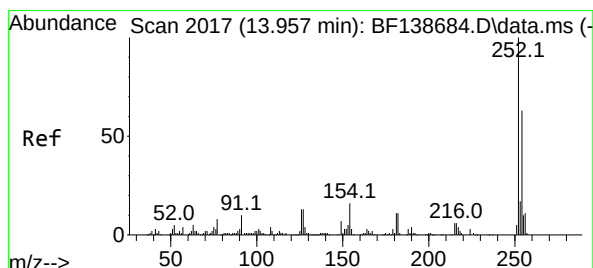
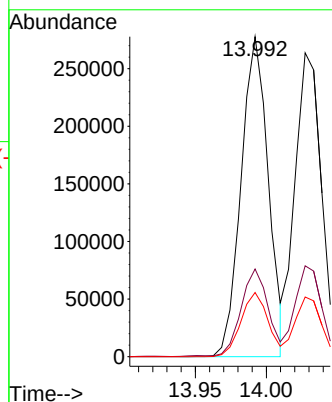
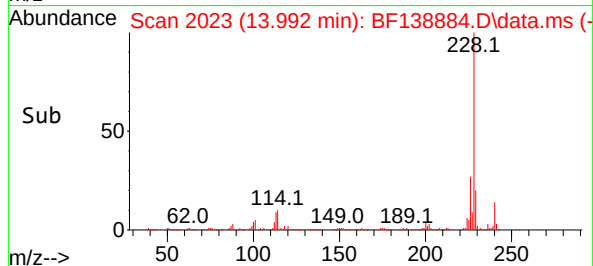


Tgt Ion:228 Resp: 369948
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 20.0 15.4 23.0

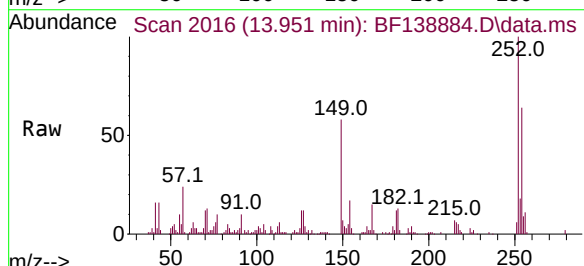
Manual Integrations

APPROVED

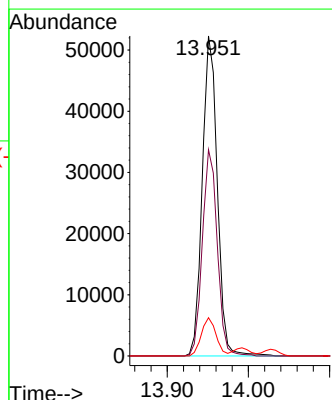
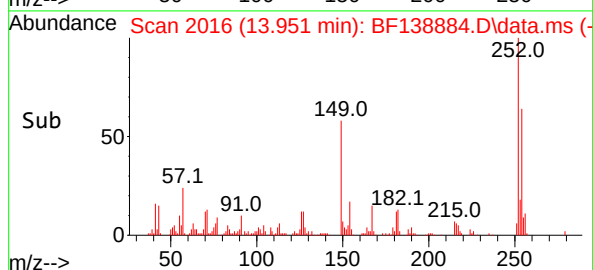
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

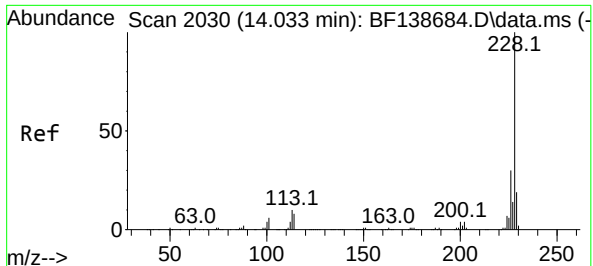


#82
3,3'-Dichlorobenzidine
Concen: 33.140 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23



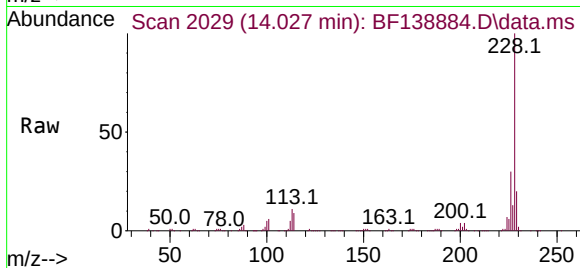
Tgt Ion:252 Resp: 67070
Ion Ratio Lower Upper
252 100
254 64.5 50.8 76.2
126 11.9 10.2 15.2





#83
Chrysene
Concen: 47.539 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

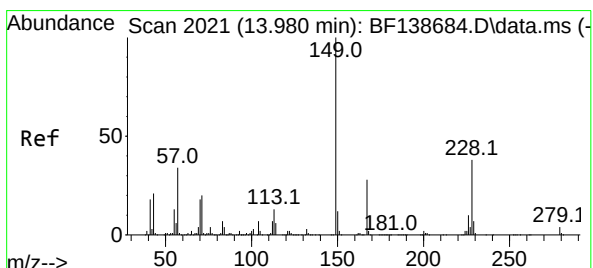
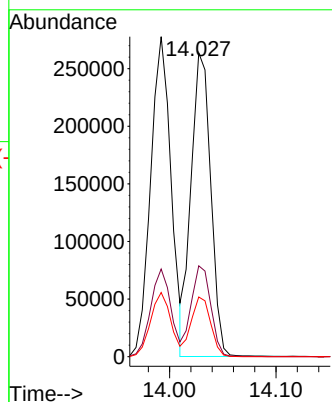
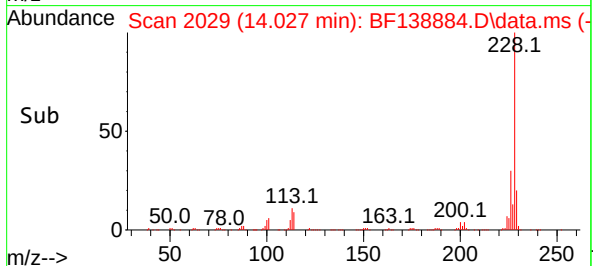
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:228 Resp: 339194
Ion Ratio Lower Upper
228 100
226 29.9 23.7 35.5
229 19.7 15.0 22.6

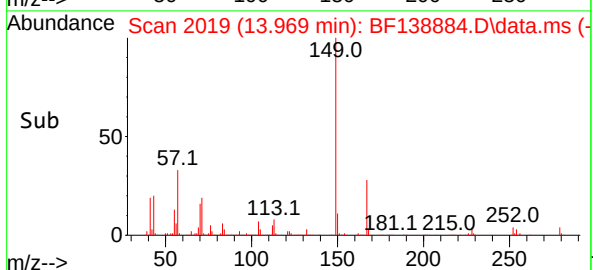
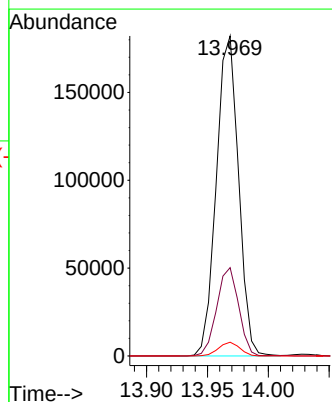
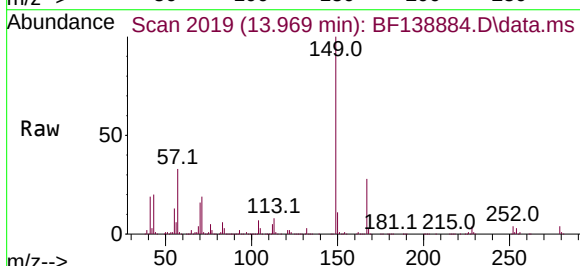
Manual Integrations
APPROVED

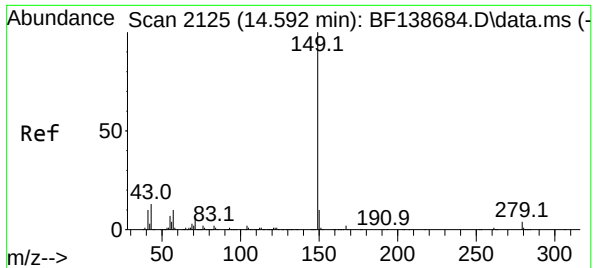
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.582 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

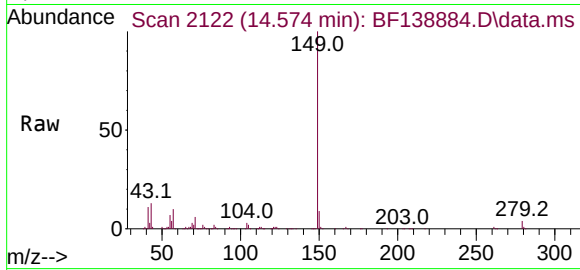
Tgt Ion:149 Resp: 231124
Ion Ratio Lower Upper
149 100
167 27.6 22.2 33.4
279 4.3 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 38.536 ng
RT: 14.574 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

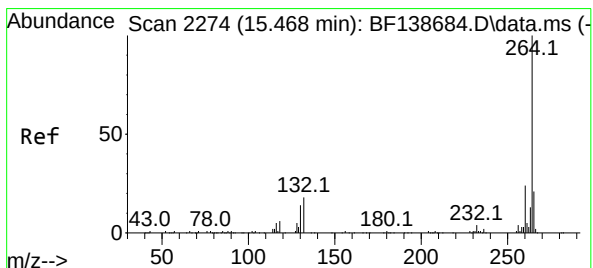
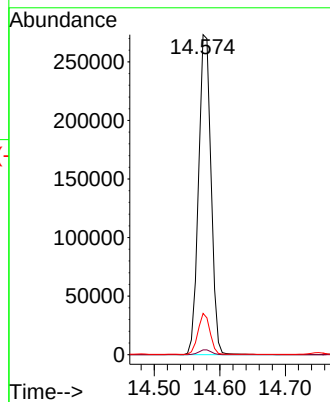
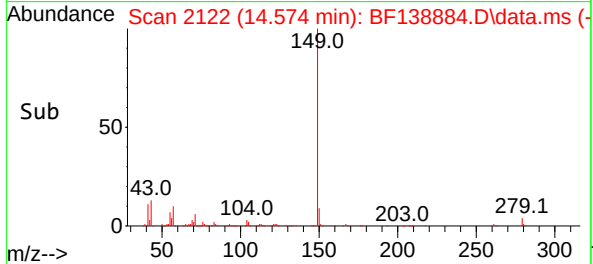
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion:149 Resp: 36152
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 12.2 10.4 15.6

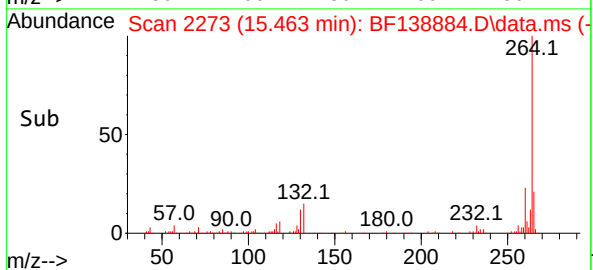
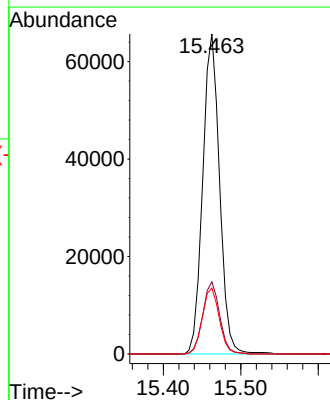
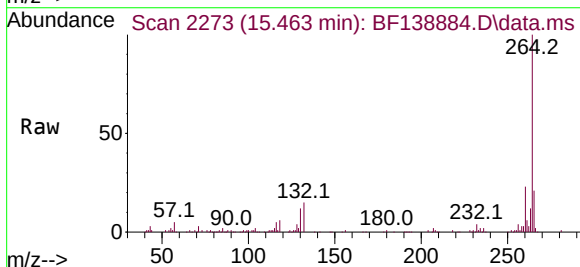
Manual Integrations
APPROVED

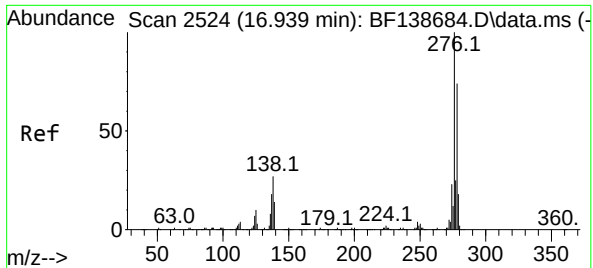
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

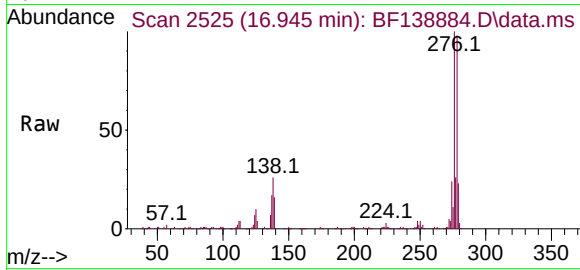
Tgt Ion:264 Resp: 99135
Ion Ratio Lower Upper
264 100
260 22.5 19.0 28.6
265 20.6 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.674 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

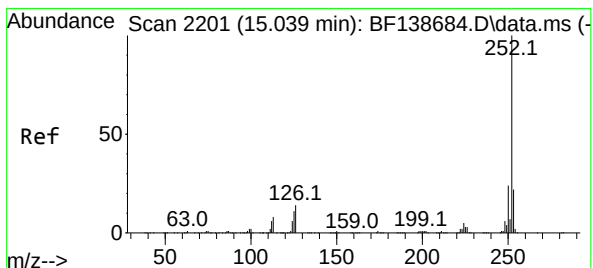
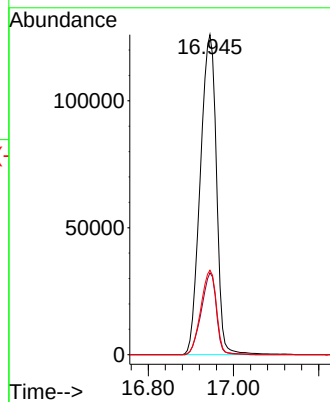
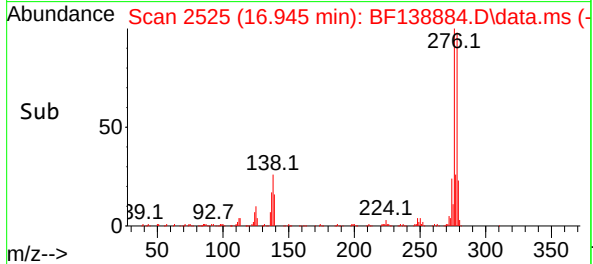
Instrument :
BNA_F
ClientSampleId :
PB162423BS



Tgt Ion: 276 Resp: 331590
Ion Ratio Lower Upper
276 100
138 23.8 21.8 32.8
277 25.4 20.6 30.8

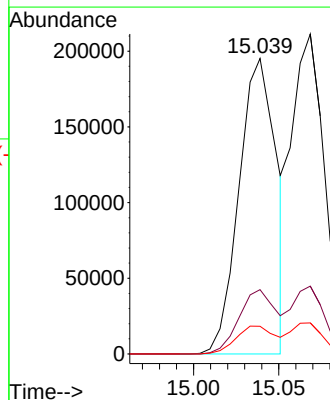
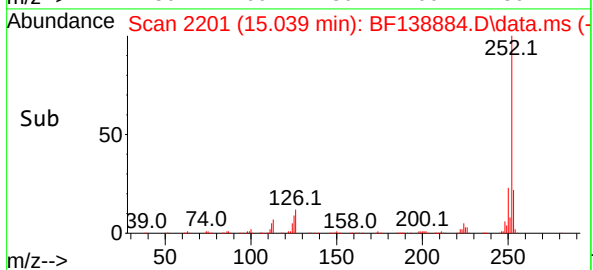
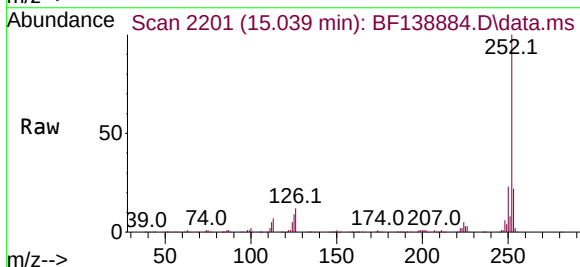
Manual Integrations
APPROVED

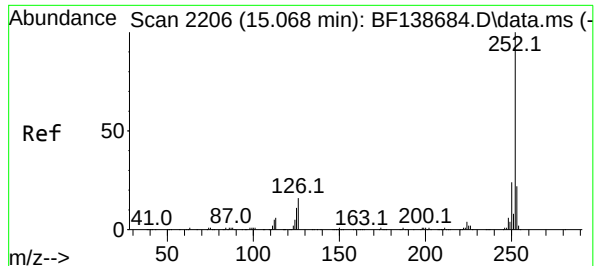
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#88
Benzo(b)fluoranthene
Concen: 48.202 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion: 252 Resp: 296222
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.4 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 53.198 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

ClientSampleId :

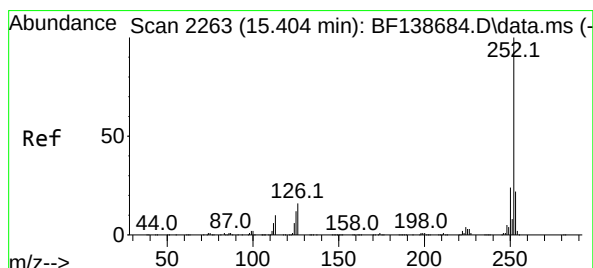
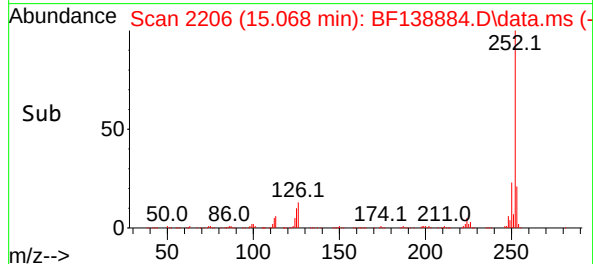
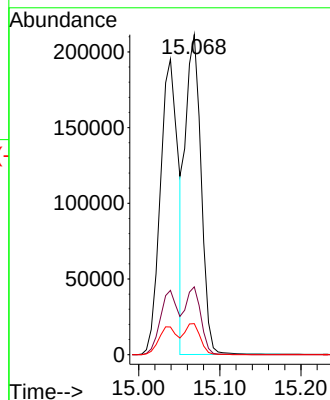
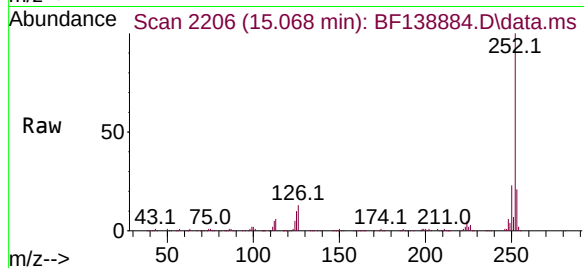
PB162423BS

Tgt Ion:252 Resp: 28305
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 9.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#90

Benzo(a)pyrene

Concen: 52.350 ng

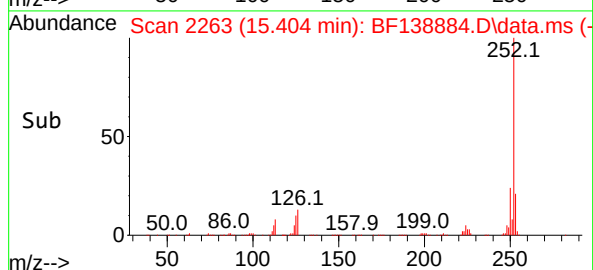
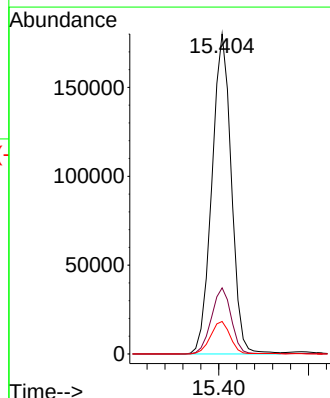
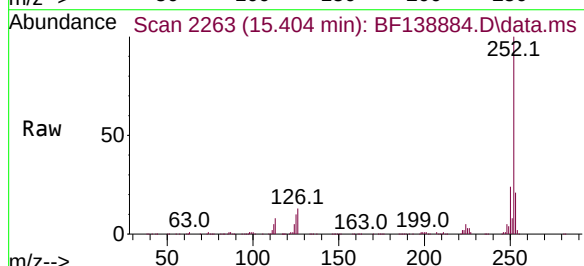
RT: 15.404 min Scan# 2263

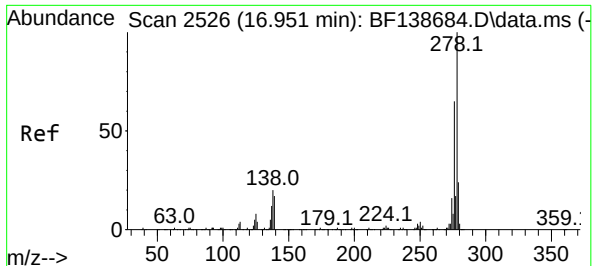
Delta R.T. 0.000 min

Lab File: BF138884.D

Acq: 09 Aug 2024 12:23

Tgt Ion:252 Resp: 270607
Ion Ratio Lower Upper
252 100
253 20.6 17.3 25.9
125 10.1 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 46.226 ng
RT: 16.951 min Scan# 2526
Delta R.T. 0.000 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Instrument :

BNA_F

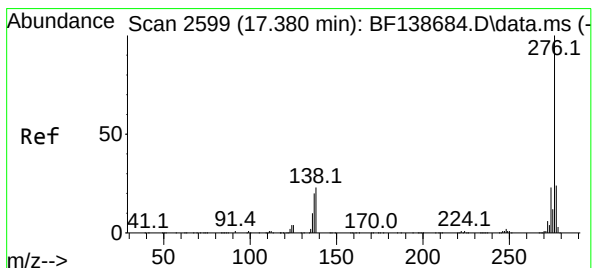
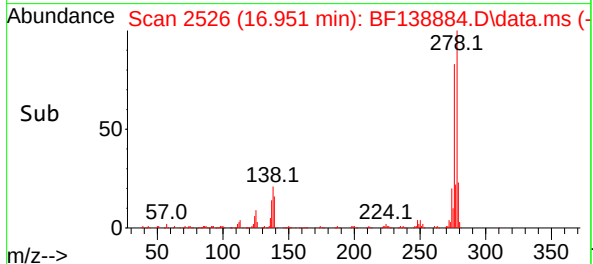
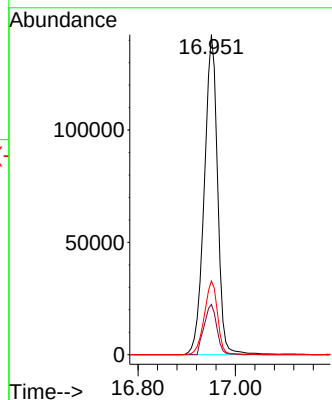
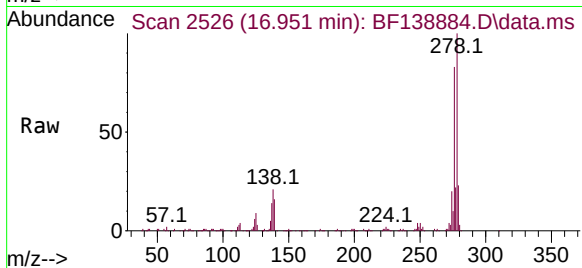
ClientSampleId :

PB162423BS

Tgt Ion:278 Resp: 26958
Ion Ratio Lower Upper
278 100
139 15.7 14.0 21.0
279 23.1 19.0 28.4

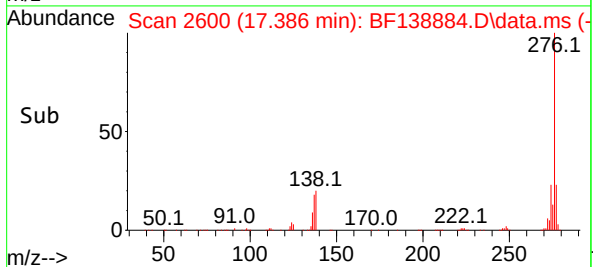
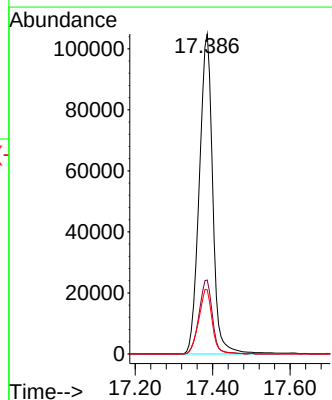
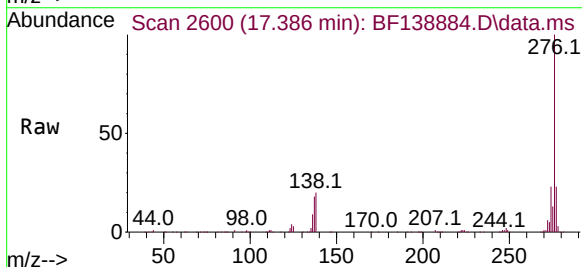
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024



#92
Benzo(g,h,i)perylene
Concen: 41.614 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138884.D
Acq: 09 Aug 2024 12:23

Tgt Ion:276 Resp: 251836
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.4
138 20.1 18.5 27.7



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MS	SDG No.:	P3429
Lab Sample ID:	P3415-04MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138909.D	1	08/01/24 08:20	08/10/24 14:48	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	17.1		1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	40.2		1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	37.0		1.20	10.4	ug/L
67-72-1	Hexachloroethane	44.2		1.10	5.20	ug/L
98-95-3	Nitrobenzene	57.1		1.30	5.20	ug/L
91-20-3	Naphthalene	52.1		1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	46.5		1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	57.3		1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	57.9		0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	53.7		1.10	5.20	ug/L
208-96-8	Acenaphthylene	64.7		1.10	5.20	ug/L
83-32-9	Acenaphthene	59.4		0.84	5.20	ug/L
132-64-9	Dibenzofuran	63.0		0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	63.0		1.60	5.20	ug/L
86-73-7	Fluorene	63.1		1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	63.5		1.20	5.20	ug/L
87-86-5	Pentachlorophenol	88.5	E	1.90	10.4	ug/L
85-01-8	Phenanthrene	64.6		0.93	5.20	ug/L
120-12-7	Anthracene	66.9		1.10	5.20	ug/L
86-74-8	Carbazole	59.9		1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	66.9		1.50	5.20	ug/L
206-44-0	Fluoranthene	55.9		1.30	5.20	ug/L
129-00-0	Pyrene	56.2		1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	63.3		0.98	5.20	ug/L
218-01-9	Chrysene	64.1		0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	64.9		2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	57.7		1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	68.1		1.20	5.20	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MS	SDG No.:	P3429
Lab Sample ID:	P3415-04MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138909.D	1	08/01/24 08:20	08/10/24 14:48	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	66.2		1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.5		1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.4		1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	46.7		1.20	5.20	ug/L
123-91-1	1,4-Dioxane	18.2		1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	55.8		0.90	5.20	ug/L

SURROGATES

367-12-4	2-Fluorophenol	63.4		15 (10) - 110 (139)	42%	SPK: 150
13127-88-3	Phenol-d6	38.9		15 (10) - 110 (134)	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		30 (49) - 130 (133)	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	110		30 (52) - 130 (132)	110%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	116		30 (48) - 130 (125)	116%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	36000	6.839
1146-65-2	Naphthalene-d8	150000	8.122
15067-26-2	Acenaphthene-d10	82700	9.875
1517-22-2	Phenanthrene-d10	131000	11.363
1719-03-5	Chrysene-d12	65100	14.004
1520-96-3	Perylene-d12	78600	15.462

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_F\Data\BF081024\
 Data File : BF138909.D
 Acq On : 10 Aug 2024 14:48
 Operator : RC/JU
 Sample : P3415-04MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MLS-15-70-85MS

Quant Time: Aug 12 01:14:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	35990	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	150436	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	82692	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	131267	20.000	ng	0.00
76) Chrysene-d12	14.004	240	65057	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	78552	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	147836	63.409	ng	0.00
7) Phenol-d6	6.481	99	121770	38.901	ng	0.00
23) Nitrobenzene-d5	7.410	82	332965	108.213	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	109396	161.504	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	606000	110.109	ng	0.00
79) Terphenyl-d14	12.939	244	452479	116.447	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	17841	17.479	ng	# 93
3) Pyridine	3.393	79	40636	16.434	ng	# 95
4) n-Nitrosodimethylamine	3.340	42	36552	24.820	ng	# 79
6) Aniline	6.504	93	104381	37.391	ng	98
8) 2-Chlorophenol	6.634	128	113874	46.423	ng	96
9) Benzaldehyde	6.398	77	7397	3.942	ng	95
10) Phenol	6.498	94	54727	16.605	ng	# 34
11) bis(2-Chloroethyl)ether	6.575	93	137253	54.117	ng	100
12) 1,3-Dichlorobenzene	6.781	146	118609	43.196	ng	99
13) 1,4-Dichlorobenzene	6.857	146	122239	44.113	ng	99
14) 1,2-Dichlorobenzene	7.010	146	117841	45.503	ng	99
15) Benzyl Alcohol	6.987	79	88176	39.083	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.110	45	229123	52.494	ng	72
17) 2-Methylphenol	7.104	107	78184	38.599	ng	# 80
18) Hexachloroethane	7.345	117	44245	42.418	ng	98
19) n-Nitroso-di-n-propyla...	7.257	70	117233	62.008	ng	99
20) 3+4-Methylphenols	7.257	107	92394	35.552	ng	# 82
22) Acetophenone	7.251	105	206267	55.999	ng	96
24) Nitrobenzene	7.428	77	171715	54.843	ng	99
25) Isophorone	7.663	82	309213	58.853	ng	98
26) 2-Nitrophenol	7.739	139	76843	57.045	ng	93
27) 2,4-Dimethylphenol	7.781	122	92710	57.523	ng	98
28) bis(2-Chloroethoxy)met...	7.869	93	178889	55.911	ng	99
29) 2,4-Dichlorophenol	7.986	162	114484	55.278	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	111647	46.714	ng	99
31) Naphthalene	8.145	128	395728	49.975	ng	100
32) Benzoic acid	7.904	122	10972	8.660	ng	94
33) 4-Chloroaniline	8.198	127	123648	46.518	ng	98
34) Hexachlorobutadiene	8.251	225	64626	44.643	ng	99
35) Caprolactam	8.581	113	4837	7.827	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	123221	52.060	ng	99
37) 2-Methylnaphthalene	8.833	142	275217	55.033	ng	100
38) 1-Methylnaphthalene	8.933	142	262735	53.614	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	119888	52.191	ng	98
41) Hexachlorocyclopentadiene	8.980	237	63003	101.566	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	77816	55.561	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138909.D
 Acq On : 10 Aug 2024 14:48
 Operator : RC/JU
 Sample : P3415-04MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MLS-15-70-85MS

Quant Time: Aug 12 01:14:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	78968	51.576	ng	96
46) 1,1'-Biphenyl	9.298	154	342866	52.942	ng	99
47) 2-Chloronaphthalene	9.328	162	265124	55.043	ng	99
48) 2-Nitroaniline	9.428	65	101555	62.193	ng	96
49) Acenaphthylene	9.739	152	424290	62.109	ng	99
50) Dimethylphthalate	9.604	163	334319	63.229	ng	99
51) 2,6-Dinitrotoluene	9.669	165	71911	60.264	ng	91
52) Acenaphthene	9.910	154	261852	57.021	ng	99
53) 3-Nitroaniline	9.839	138	55431	44.935	ng	95
54) 2,4-Dinitrophenol	9.957	184	60363	109.890	ng	85
55) Dibenzofuran	10.080	168	391749	60.433	ng	99
56) 4-Nitrophenol	10.022	139	14922	20.116	ng	# 78
57) 2,4-Dinitrotoluene	10.075	165	92033	60.451	ng	# 82
58) Fluorene	10.427	166	312575	60.551	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	66170	56.529	ng	96
60) Diethylphthalate	10.298	149	317546	63.339	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	157125	61.888	ng	98
62) 4-Nitroaniline	10.457	138	63363	54.051	ng	89
63) Azobenzene	10.575	77	333325	59.947	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	47204	58.943	ng	91
66) n-Nitrosodiphenylamine	10.539	169	260717	63.541	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	89002	62.624	ng	99
68) Hexachlorobenzene	10.974	284	89394	60.919	ng	97
69) Atrazine	11.063	200	73130	69.081	ng	99
70) Pentachlorophenol	11.174	266	56221	85.000	ng	97
71) Phenanthrene	11.386	178	418918	61.977	ng	99
72) Anthracene	11.439	178	427343	64.178	ng	99
73) Carbazole	11.598	167	330296	57.495	ng	98
74) Di-n-butylphthalate	11.916	149	414803	64.230	ng	99
75) Fluoranthene	12.574	202	338766	53.686	ng	98
77) Benzidine	12.698	184	53140	34.151	ng	99
78) Pyrene	12.804	202	330576	53.969	ng	100
80) Butylbenzylphthalate	13.410	149	126206	64.342	ng	99
81) Benzo(a)anthracene	13.992	228	272253	60.771	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	77558	67.651	ng	99
83) Chrysene	14.027	228	248656	61.521	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	179058	62.340	ng	97
85) Di-n-octyl phthalate	14.580	149	319070	60.041	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	299773	53.252	ng	97
88) Benzo(b)fluoranthene	15.039	252	269722	55.391	ng	98
89) Benzo(k)fluoranthene	15.068	252	275502	65.346	ng	99
90) Benzo(a)pyrene	15.404	252	260458	63.590	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	245880	53.210	ng	99
92) Benzo(g,h,i)perylene	17.386	276	214902	44.816	ng	96

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

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

Abundance

TIC: BF138909.D\data.ms

Time-->

1,4-Dioxane

N,N-dimethylamine

2-Fluorophenol, S

Benzaldehyde

Phenylacetylene

1,4-Dioxane

Benzyl alcohol

2-Methyl-2-propanol

Nitrobenzene

Hexachlorocyclopentadiene

2-Nitrophenol, S

Benzoic acid

Naphthalene

Carbolactam

4-Chloro-3-methylphenol, C

2-Fluorobiphenyl, S

2-Nitroaniline

2-Chloronaphthalene

Acenaphthylene

Acenaphthene, C

Dibenzofuran

4-Chlorophenyl-phenylether

Terphenyl-d14, S

Butylbenzylphthalate

Chrysene

2,3-Dichlorobenzophenone

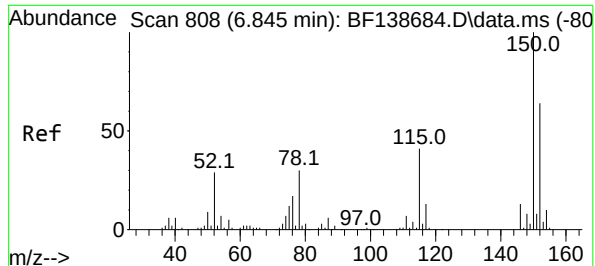
Di-n-octyl phthalate, c

Benzo(a)pyrene, C

Perylene-d12, I

Benzo(g,h,i)perylene

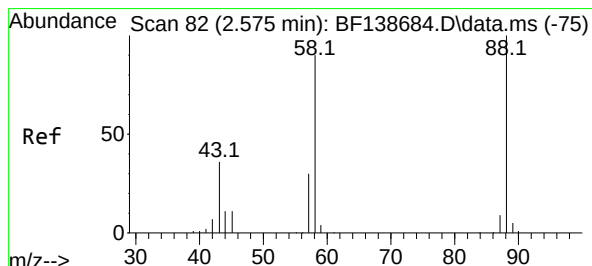
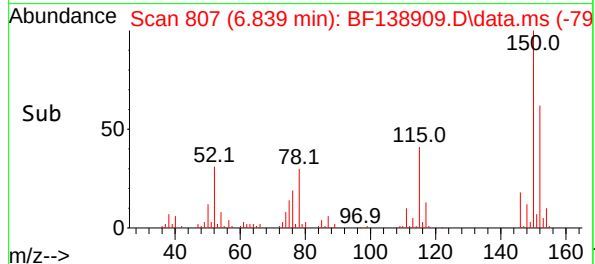
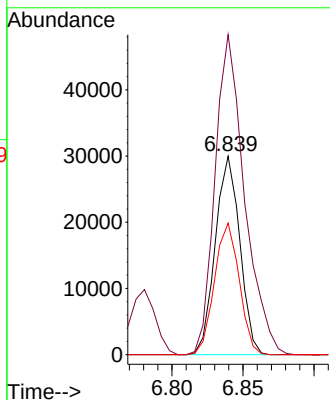
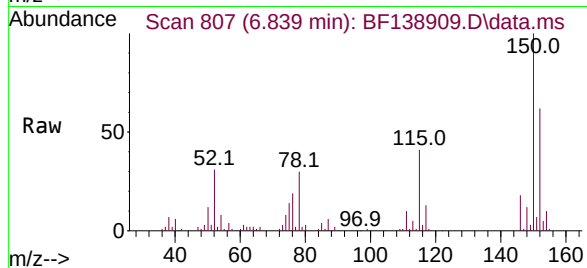
Indeno(1,2,3-cd)pyrene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

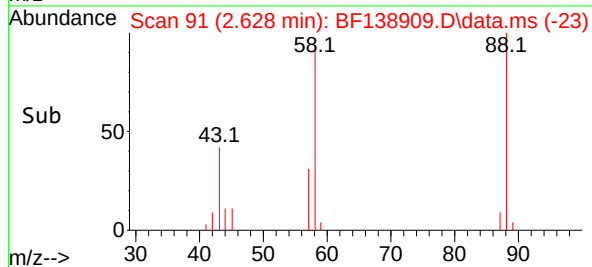
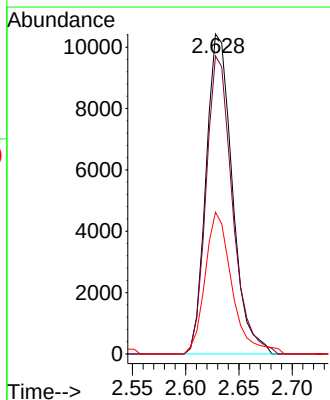
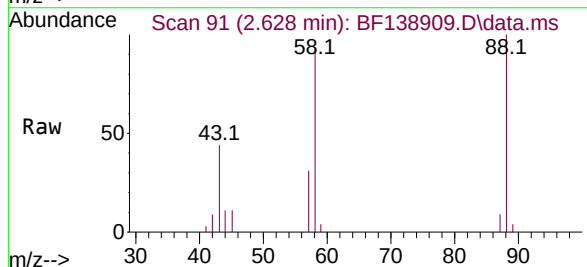
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

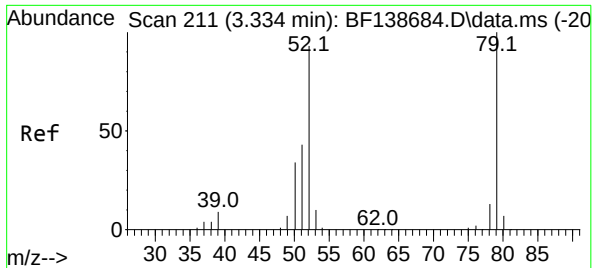
Tgt Ion:152 Resp: 35990
Ion Ratio Lower Upper
152 100
150 161.4 126.0 189.0
115 66.3 51.7 77.5



#2
1,4-Dioxane
Concen: 17.479 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.053 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 88 Resp: 17841
Ion Ratio Lower Upper
88 100
58 93.2 71.6 107.4
43 45.4 28.7 43.1#





#3

Pyridine

Concen: 16.434 ng

RT: 3.393 min Scan# 211

Delta R.T. 0.059 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

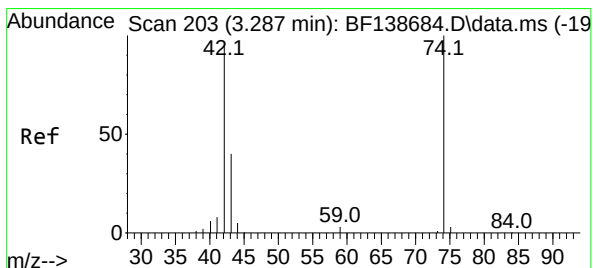
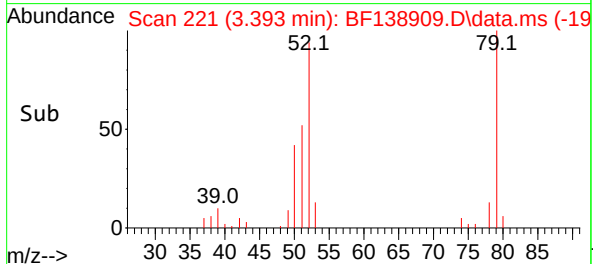
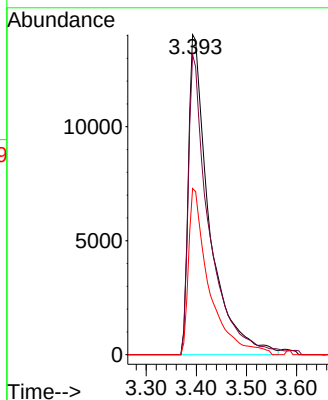
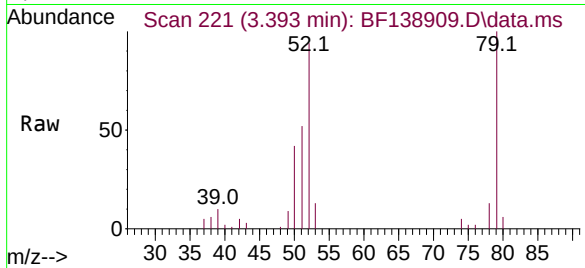
Tgt Ion: 79 Resp: 40636

Ion Ratio Lower Upper

79 100

52 93.7 74.7 112.1

51 52.0 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 24.820 ng

RT: 3.340 min Scan# 212

Delta R.T. 0.053 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

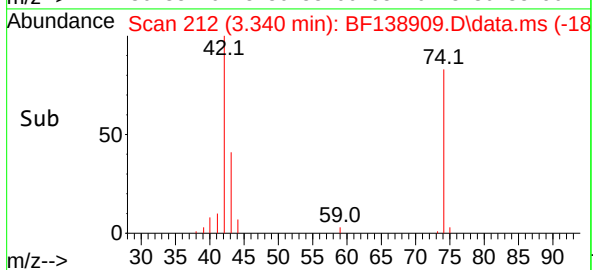
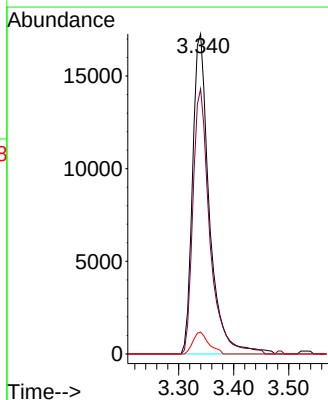
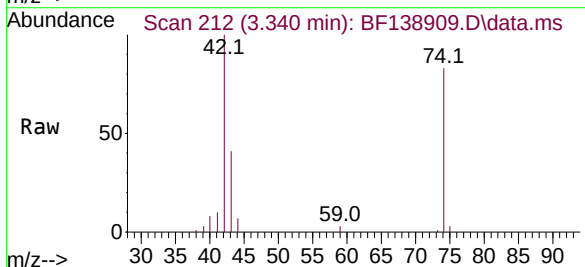
Tgt Ion: 42 Resp: 36552

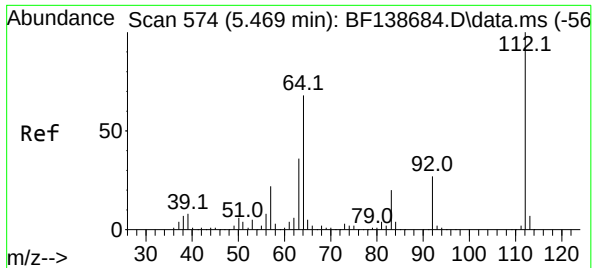
Ion Ratio Lower Upper

42 100

74 82.9 84.2 126.4#

44 6.9 4.9 7.3

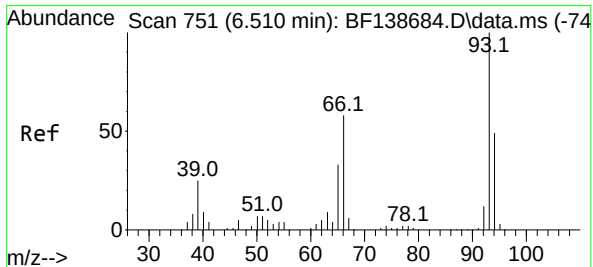
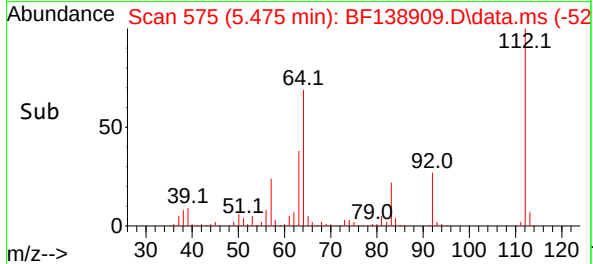
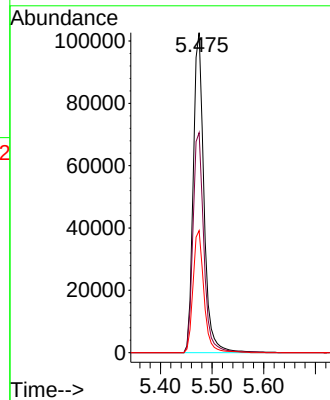
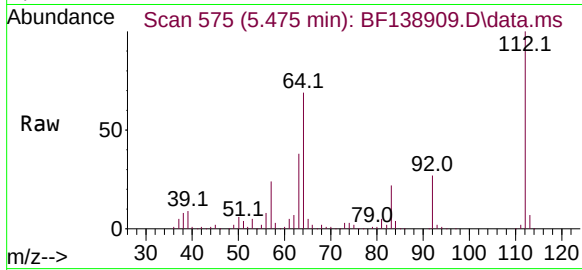




#5
2-Fluorophenol
Concen: 63.409 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

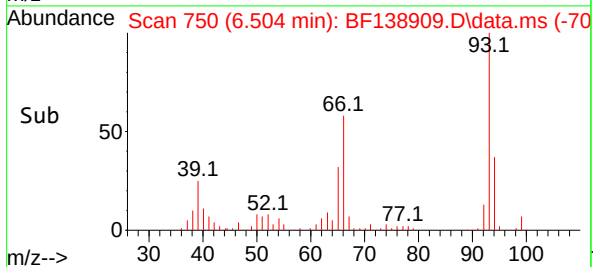
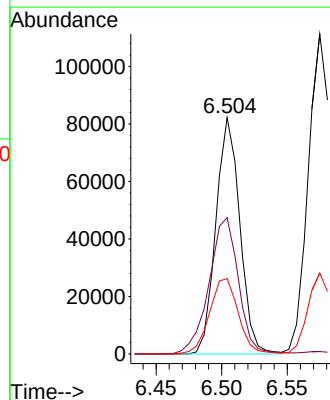
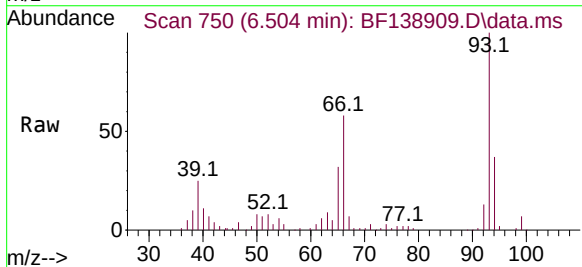
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

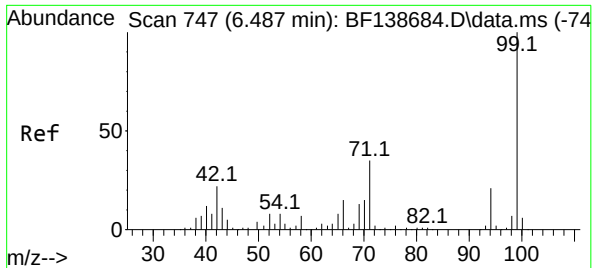
Tgt Ion:112 Resp: 147836
Ion Ratio Lower Upper
112 100
64 68.7 54.2 81.4
63 38.2 28.7 43.1



#6
Aniline
Concen: 37.391 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 93 Resp: 104381
Ion Ratio Lower Upper
93 100
66 57.7 46.9 70.3
65 31.9 26.5 39.7

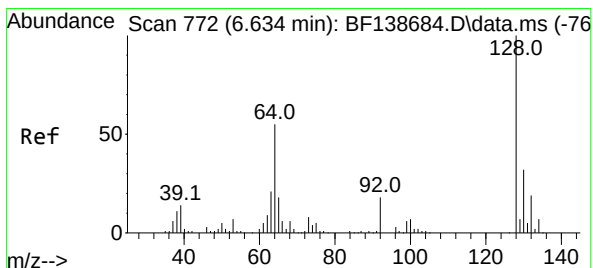
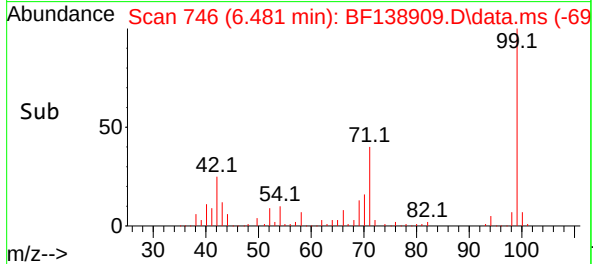
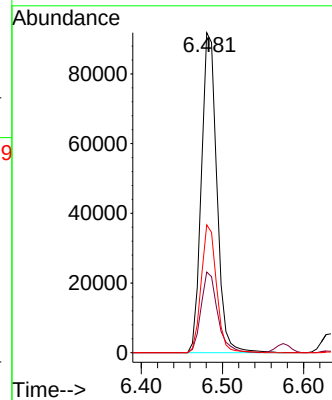
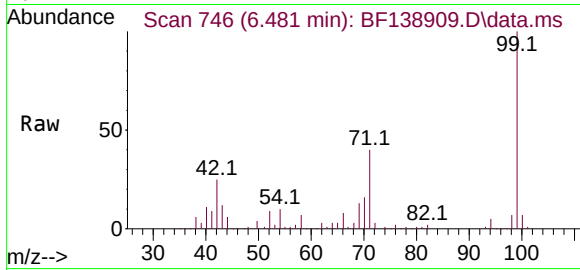




#7
Phenol-d6
Concen: 38.901 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

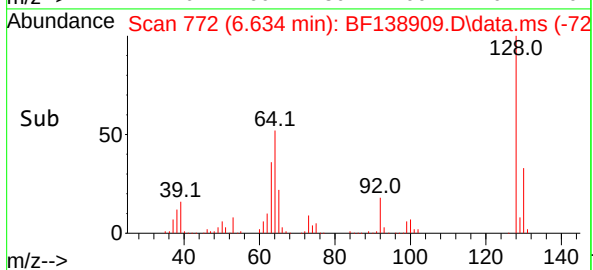
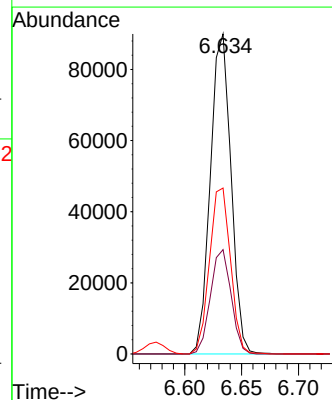
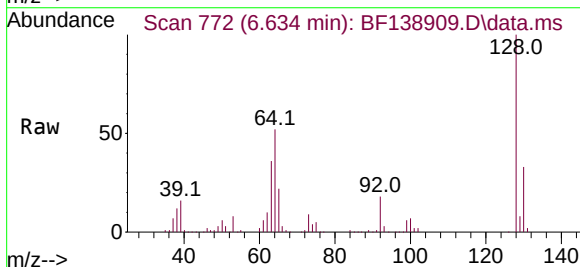
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

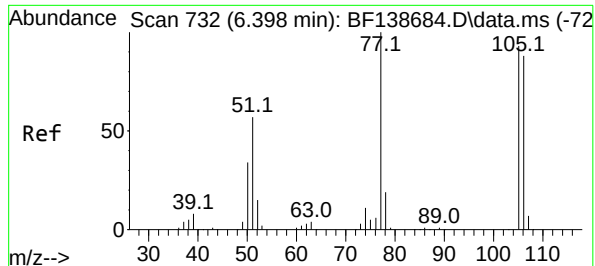
Tgt Ion: 99 Resp: 121770
Ion Ratio Lower Upper
99 100
42 25.2 17.4 26.0
71 39.9 28.1 42.1



#8
2-Chlorophenol
Concen: 46.423 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 128 Resp: 113874
Ion Ratio Lower Upper
128 100
130 32.6 12.0 52.0
64 51.8 36.3 76.3





#9

Benzaldehyde

Concen: 3.942 ng

RT: 6.398 min Scan# 732

Delta R.T. 0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

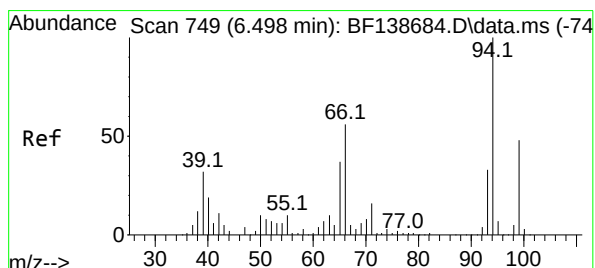
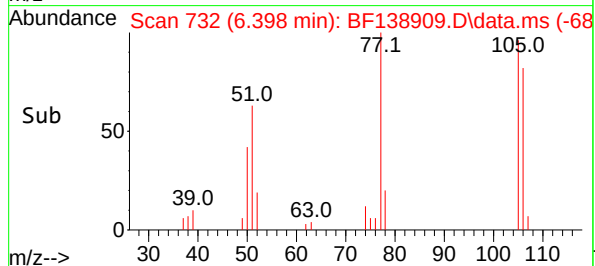
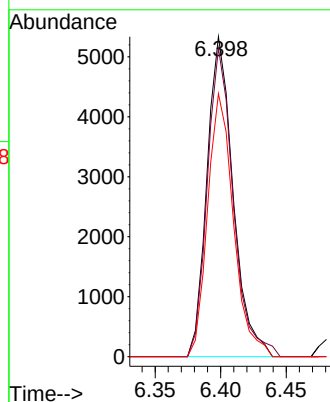
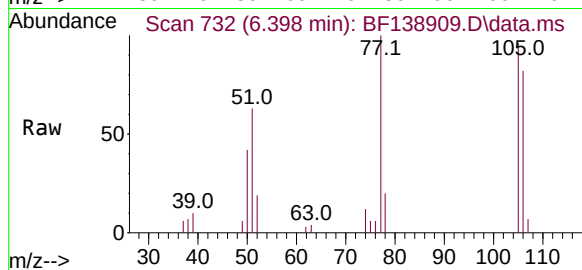
Tgt Ion: 77 Resp: 7397

Ion Ratio Lower Upper

77 100

105 96.4 72.9 112.9

106 82.2 68.4 108.4



#10

Phenol

Concen: 16.605 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

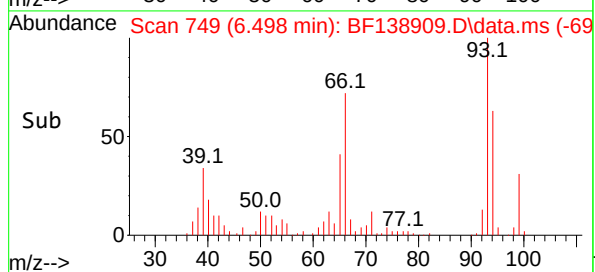
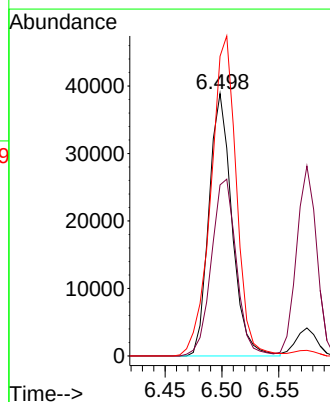
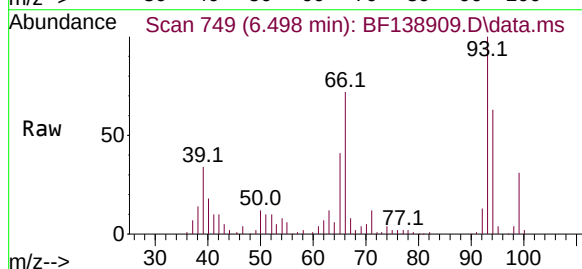
Tgt Ion: 94 Resp: 54727

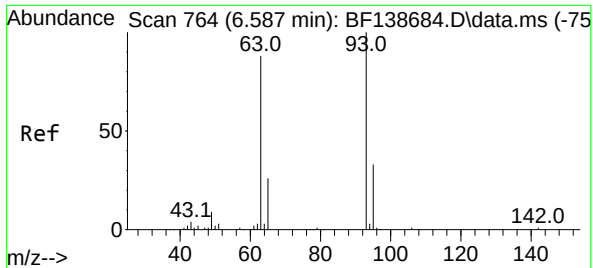
Ion Ratio Lower Upper

94 100

65 65.2 16.9 56.9#

66 114.2 36.5 76.5#

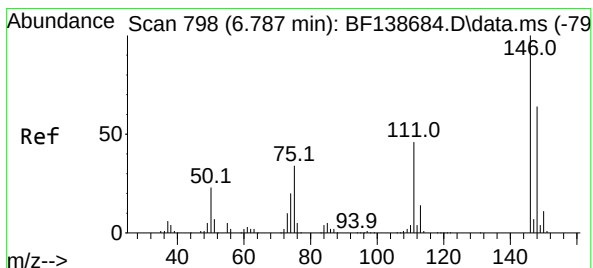
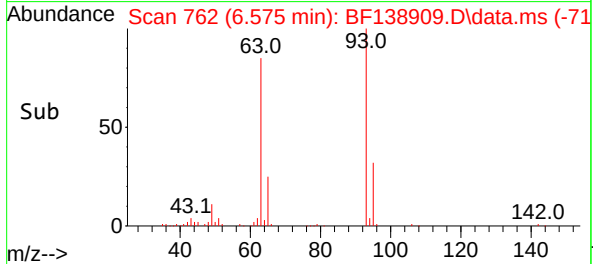
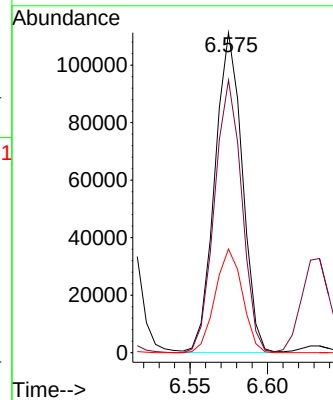
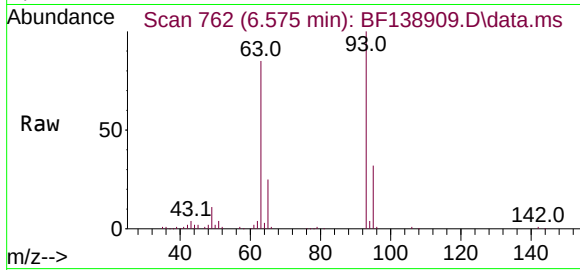




#11
bis(2-Chloroethyl)ether
Concen: 54.117 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

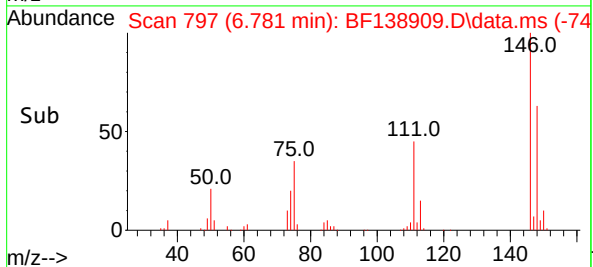
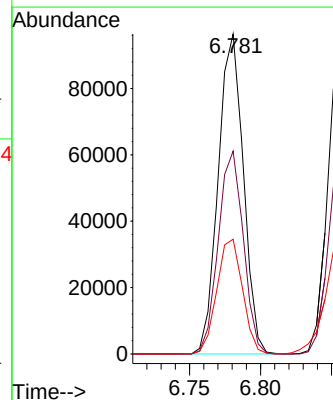
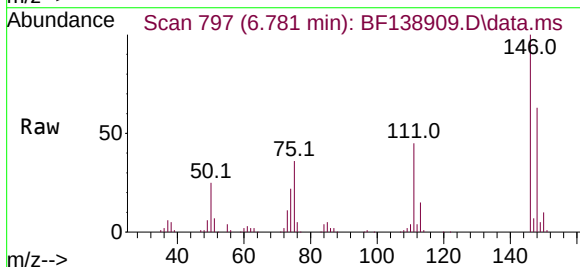
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

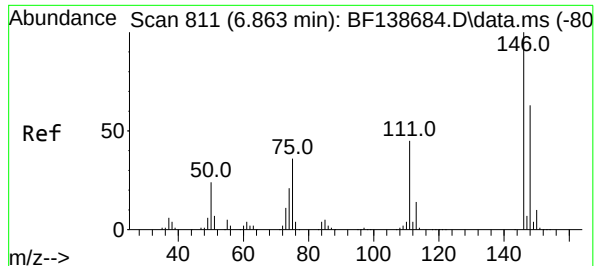
Tgt Ion: 93 Resp: 137253
Ion Ratio Lower Upper
93 100
63 85.2 65.3 105.3
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 43.196 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 146 Resp: 118609
Ion Ratio Lower Upper
146 100
148 63.4 51.2 76.8
75 35.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 44.113 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

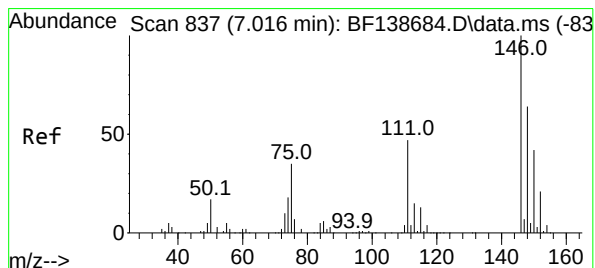
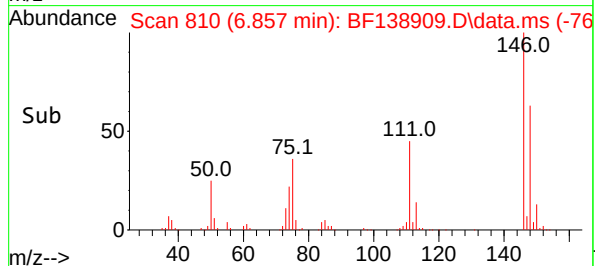
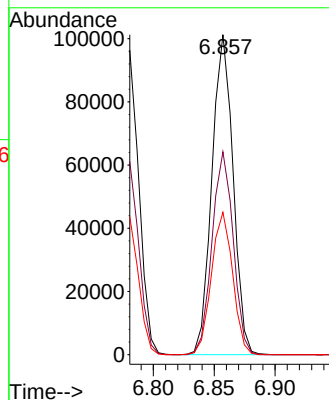
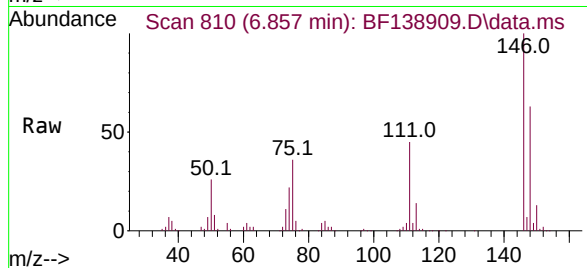
Tgt Ion:146 Resp: 122239

Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 44.5 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 45.503 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

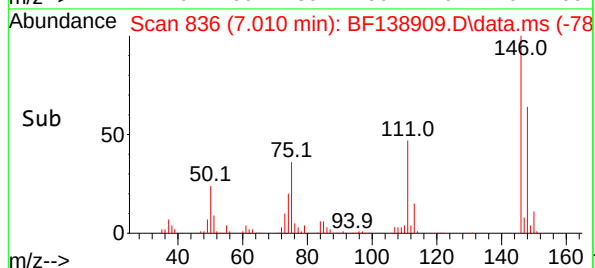
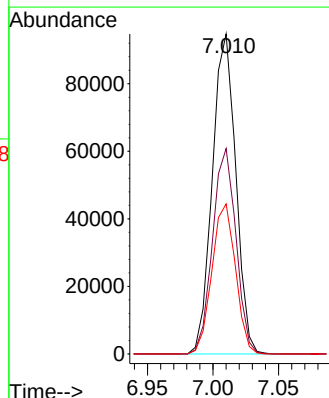
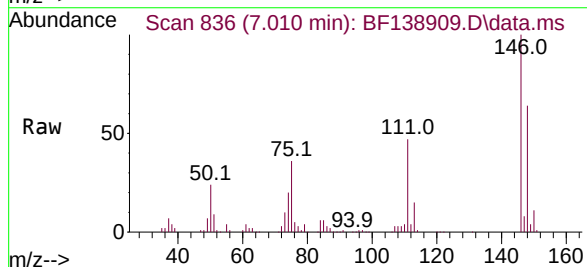
Tgt Ion:146 Resp: 117841

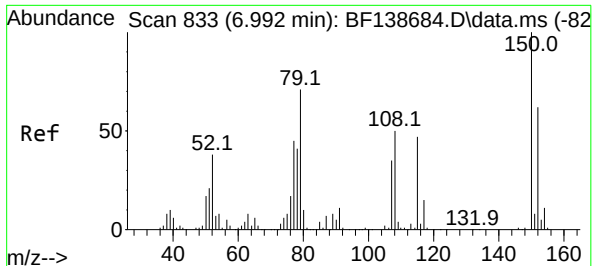
Ion Ratio Lower Upper

146 100

148 64.2 50.8 76.2

111 46.9 37.4 56.2





#15

Benzyl Alcohol

Concen: 39.083 ng

RT: 6.987 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

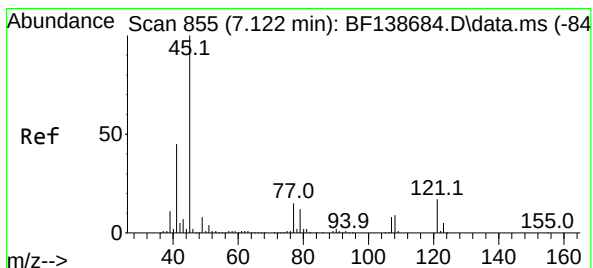
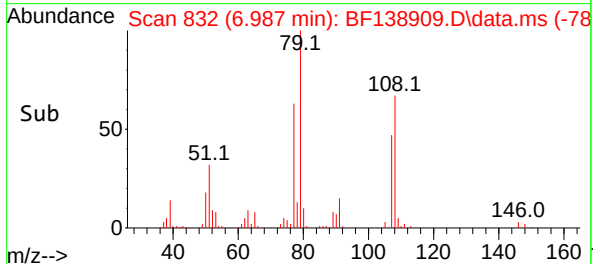
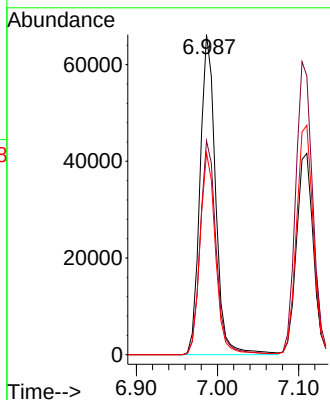
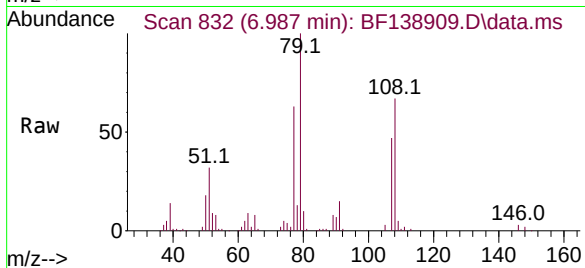
Tgt Ion: 79 Resp: 88176

Ion Ratio Lower Upper

79 100

108 66.9 56.6 85.0

77 63.1 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.494 ng

RT: 7.110 min Scan# 853

Delta R.T. -0.012 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

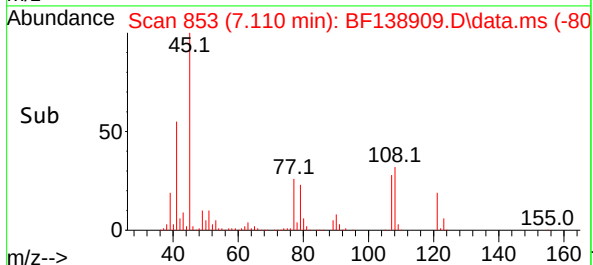
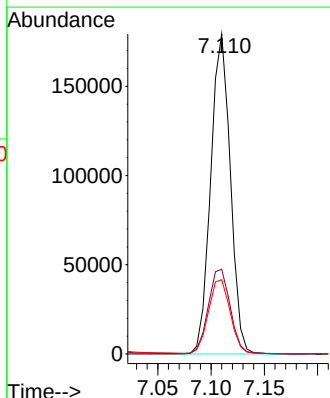
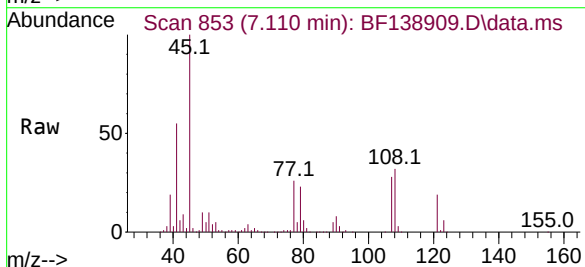
Tgt Ion: 45 Resp: 229123

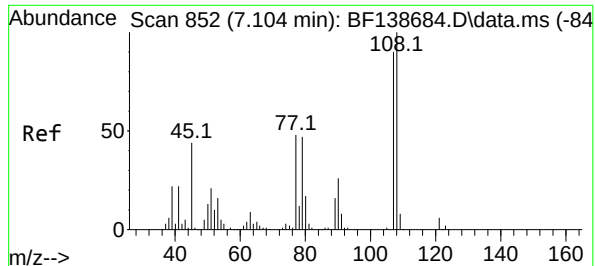
Ion Ratio Lower Upper

45 100

77 26.5 0.0 34.9

79 23.2 0.0 32.2





#17

2-Methylphenol

Concen: 38.599 ng

RT: 7.104 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

Tgt Ion:107 Resp: 78184

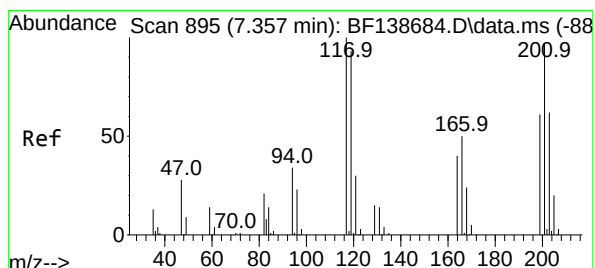
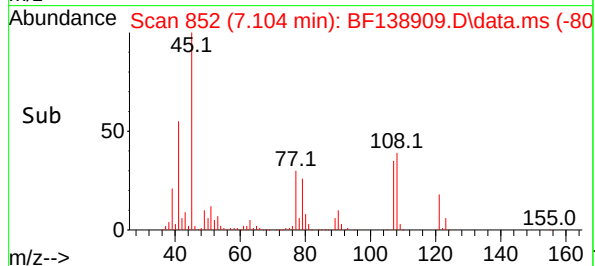
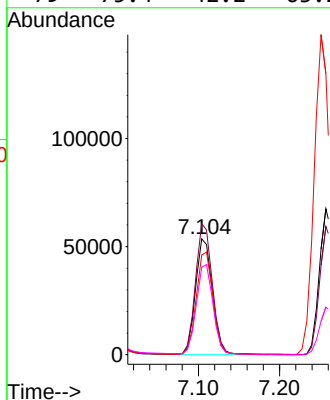
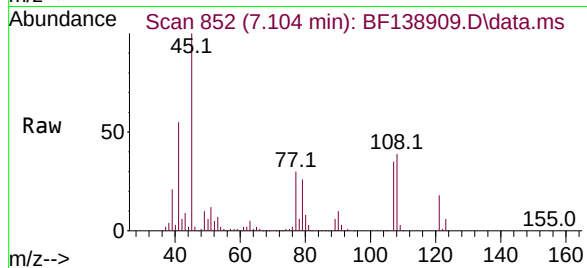
Ion Ratio Lower Upper

107 100

108 113.1 89.2 133.8

77 86.0 43.0 64.4#

79 75.4 42.2 63.2#



#18

Hexachloroethane

Concen: 42.418 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

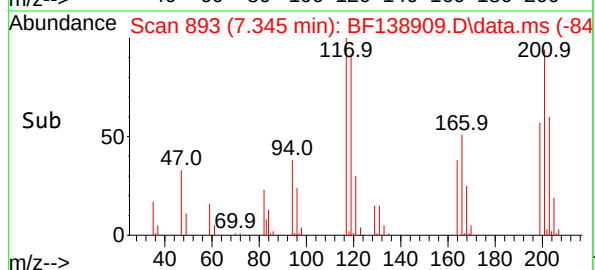
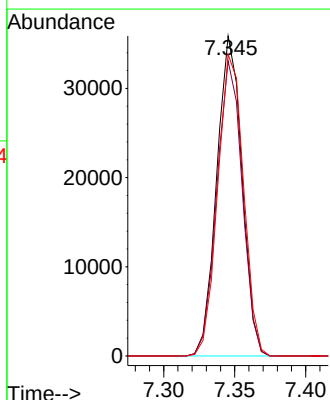
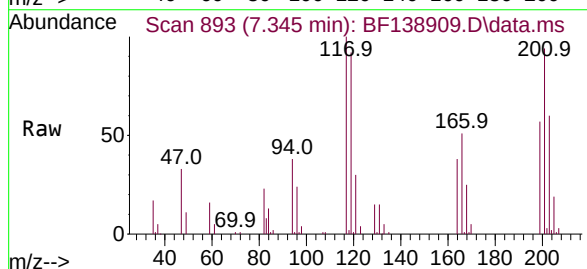
Tgt Ion:117 Resp: 44245

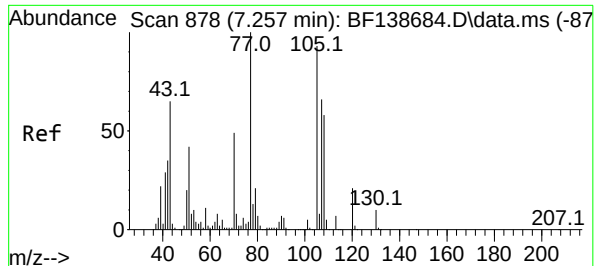
Ion Ratio Lower Upper

117 100

119 92.2 74.6 111.8

201 94.2 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 62.008 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138909.D

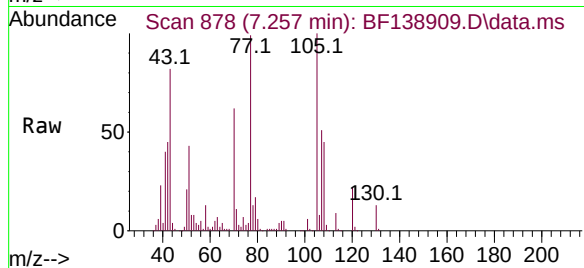
Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

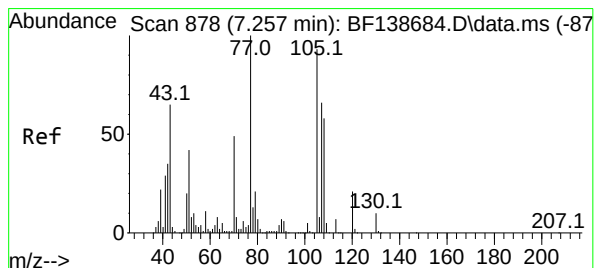
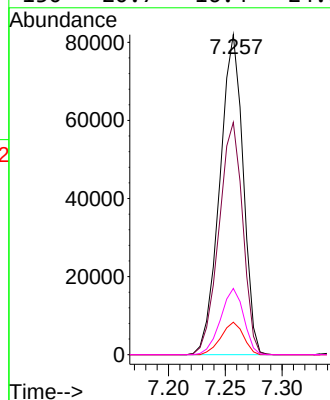
ClientSampleId :

MLS-15-70-85MS



Tgt Ion: 70 Resp: 117233

Ion	Ratio	Lower	Upper
70	100		
42	72.6	57.4	86.0
101	10.2	7.5	11.3
130	20.7	16.4	24.6



#20

3+4-Methylphenols

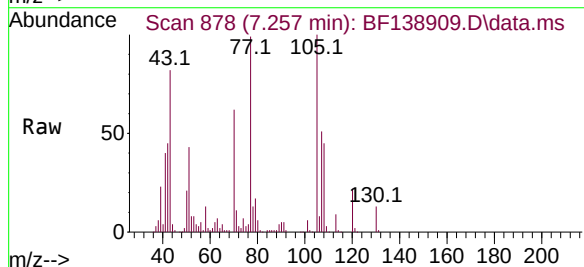
Concen: 35.552 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

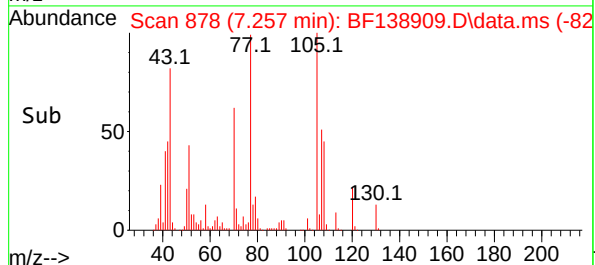
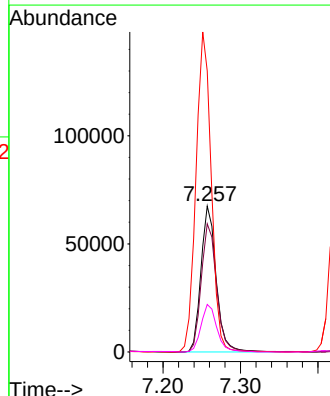
Lab File: BF138909.D

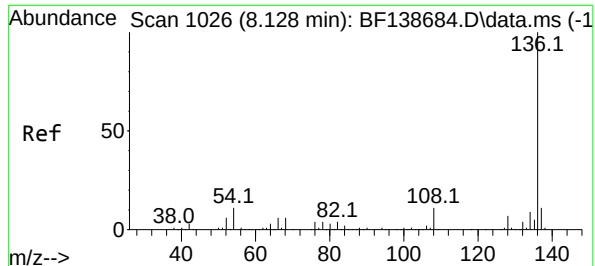
Acq: 10 Aug 2024 14:48



Tgt Ion: 107 Resp: 92394

Ion	Ratio	Lower	Upper
107	100		
108	87.8	68.2	108.2
77	192.5	132.1	172.1#
79	32.6	11.5	51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

Tgt Ion:136 Resp: 150436

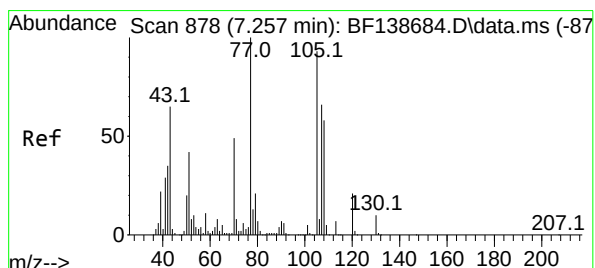
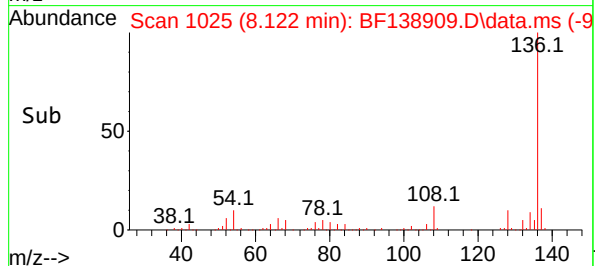
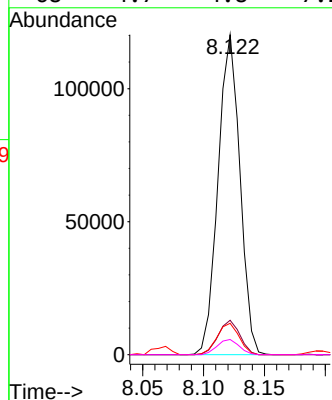
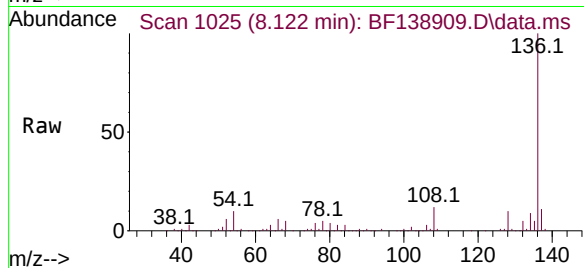
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.8 8.6 12.8

68 4.7 4.8 7.2#



#22

Acetophenone

Concen: 55.999 ng

RT: 7.251 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Tgt Ion:105 Resp: 206267

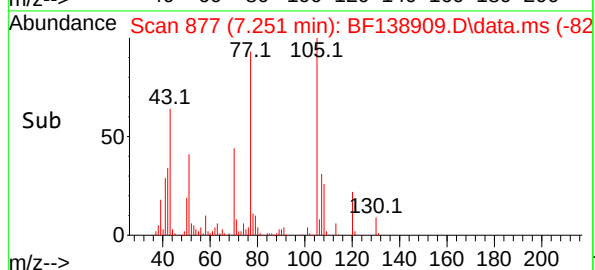
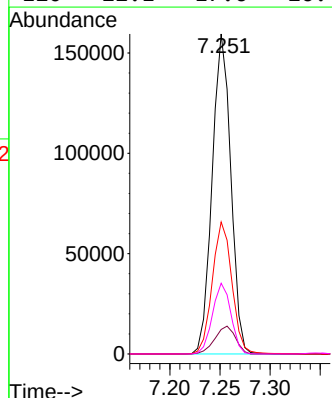
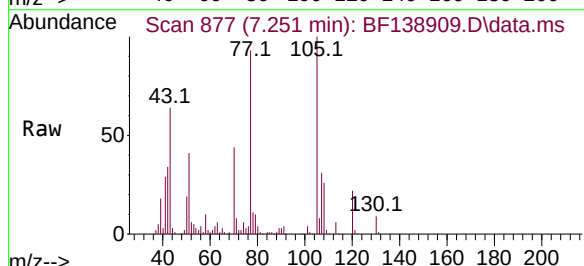
Ion Ratio Lower Upper

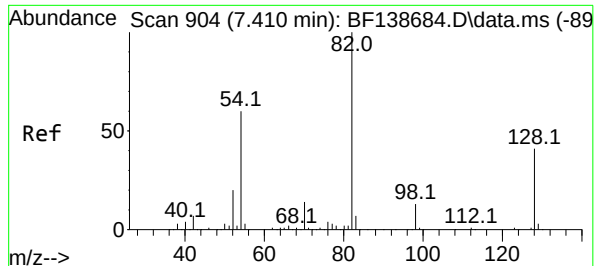
105 100

71 7.7 7.2 10.8

51 41.3 35.9 53.9

120 22.1 17.6 26.4





#23

Nitrobenzene-d5

Concen: 108.213 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

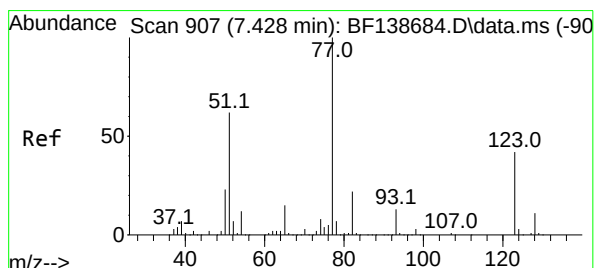
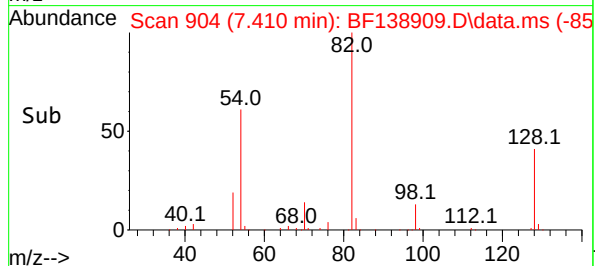
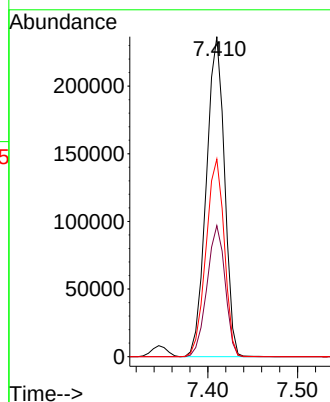
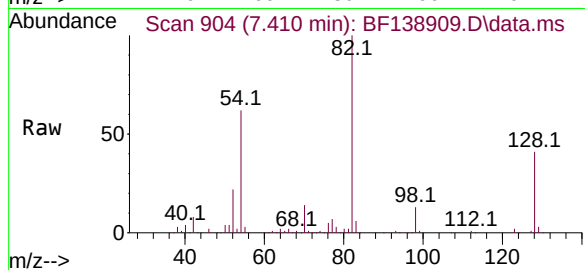
Tgt Ion: 82 Resp: 332965

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

54 61.8 48.3 72.5



#24

Nitrobenzene

Concen: 54.843 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

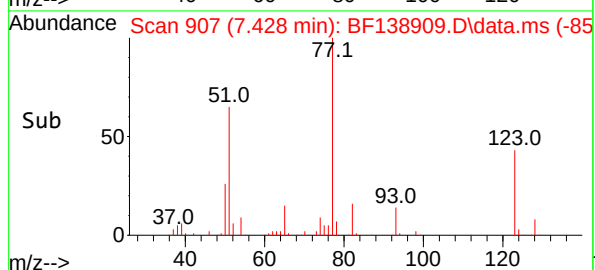
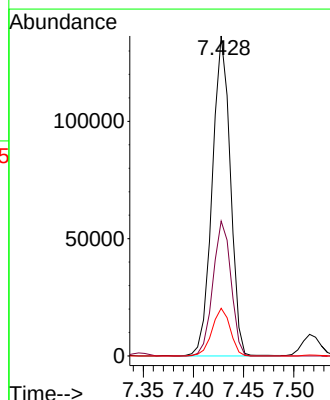
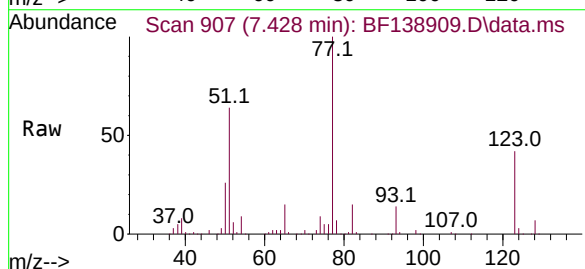
Tgt Ion: 77 Resp: 171715

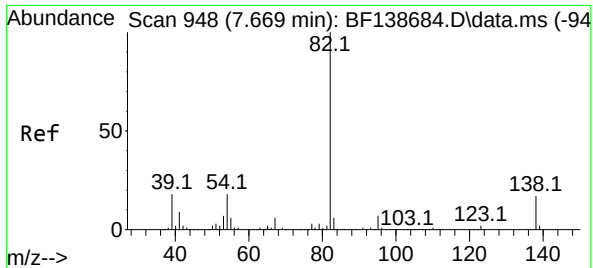
Ion Ratio Lower Upper

77 100

123 42.1 33.3 49.9

65 14.9 11.9 17.9

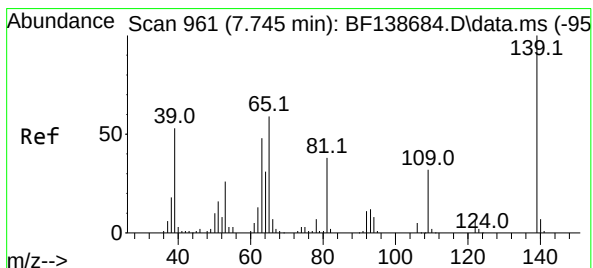
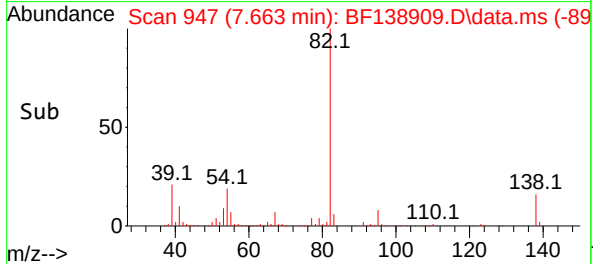
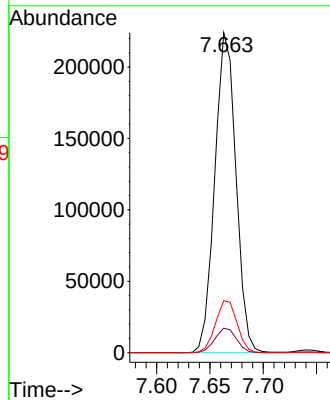
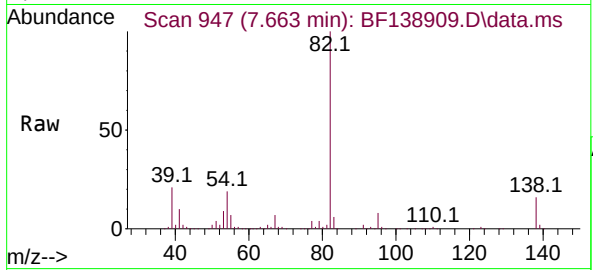




#25
Isophorone
Concen: 58.853 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

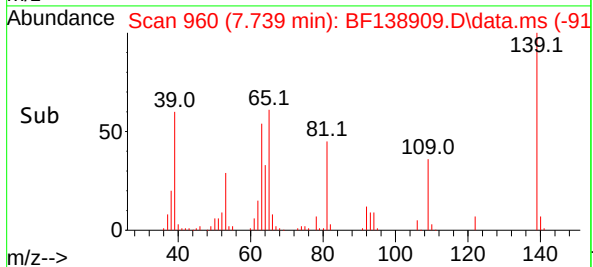
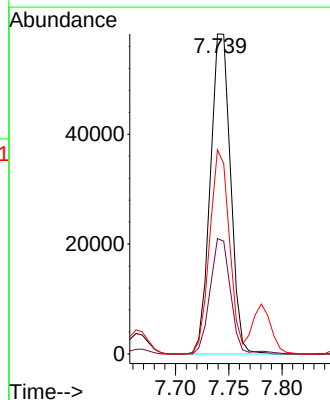
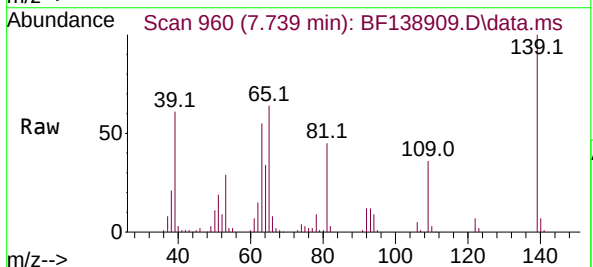
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

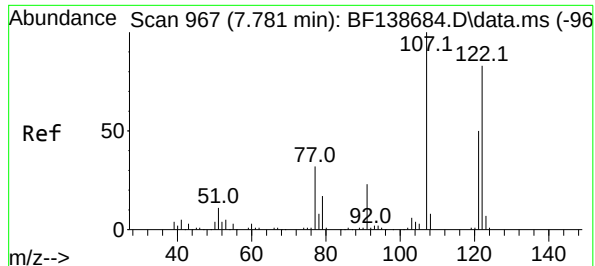
Tgt Ion: 82 Resp: 309213
Ion Ratio Lower Upper
82 100
95 7.7 5.7 8.5
138 16.3 13.7 20.5



#26
2-Nitrophenol
Concen: 57.045 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 139 Resp: 76843
Ion Ratio Lower Upper
139 100
109 36.0 25.9 38.9
65 63.8 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 57.523 ng

RT: 7.781 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

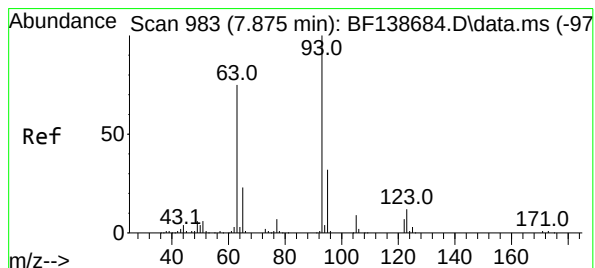
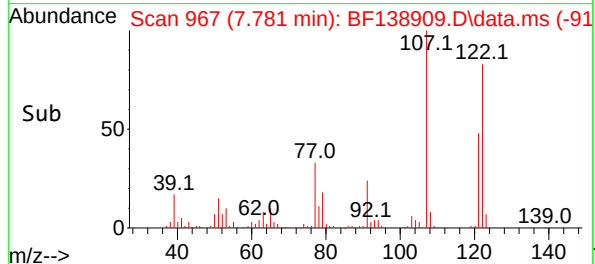
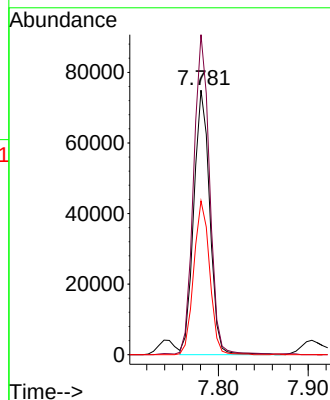
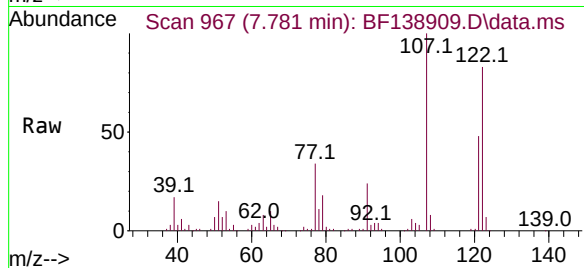
Tgt Ion:122 Resp: 92710

Ion Ratio Lower Upper

122 100

107 121.0 95.0 142.6

121 58.2 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 55.911 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

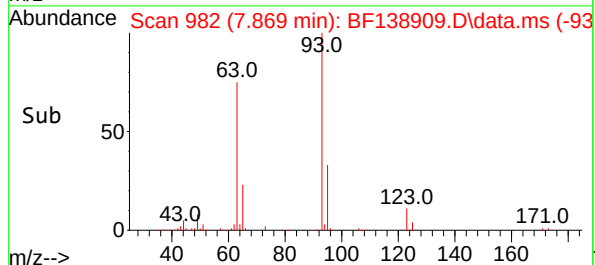
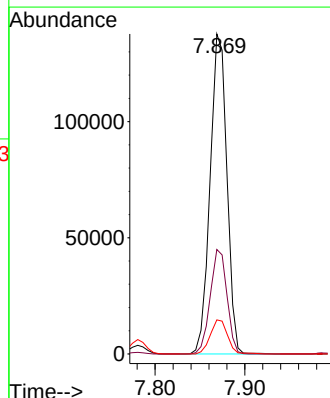
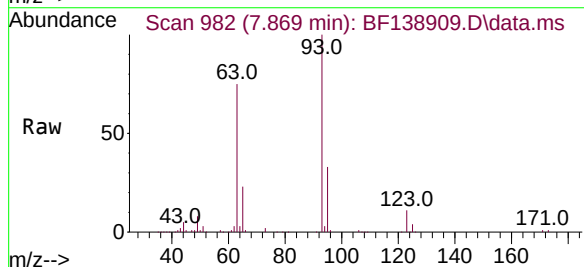
Tgt Ion: 93 Resp: 178889

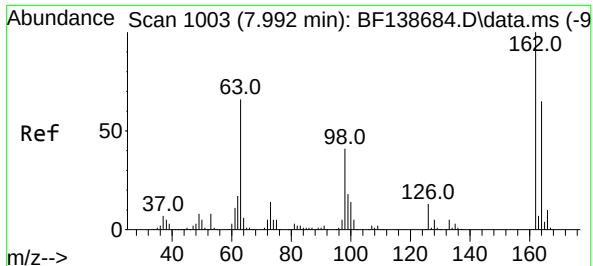
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.8

123 10.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 55.278 ng

RT: 7.986 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

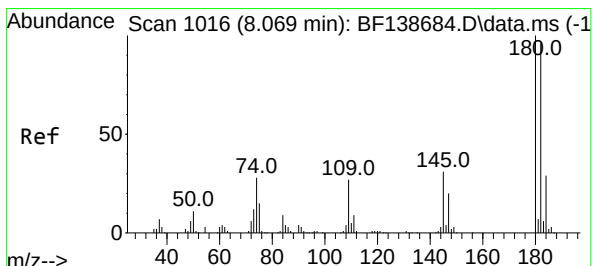
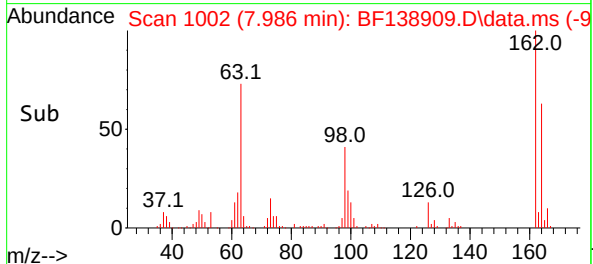
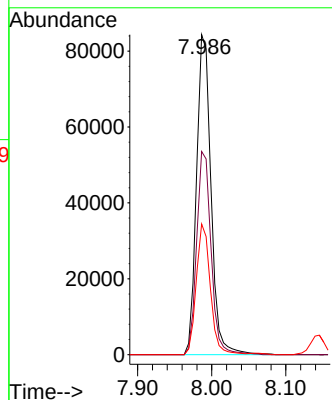
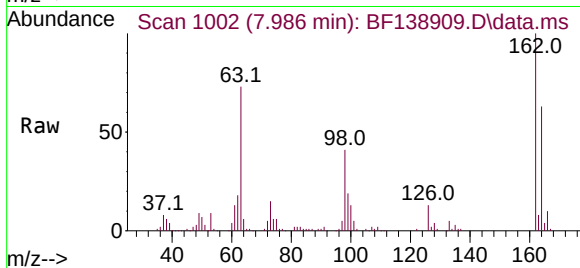
Tgt Ion:162 Resp: 114484

Ion Ratio Lower Upper

162 100

164 63.5 44.7 84.7

98 40.9 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 46.714 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

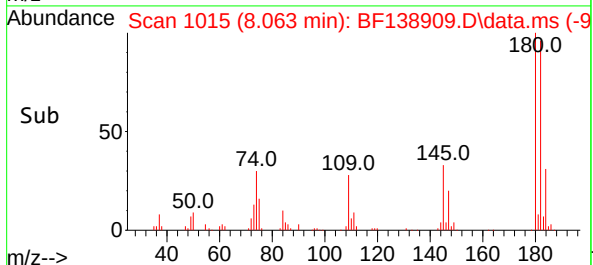
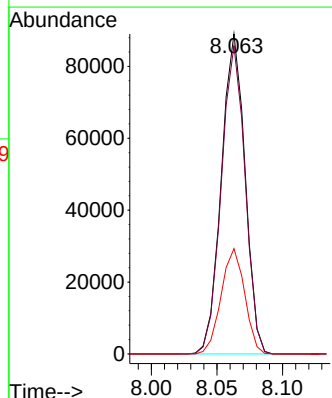
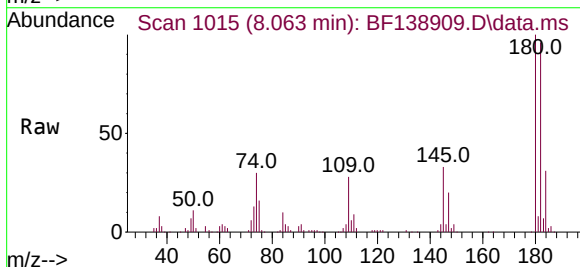
Tgt Ion:180 Resp: 111647

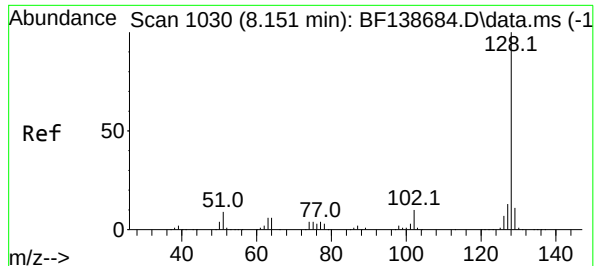
Ion Ratio Lower Upper

180 100

182 96.3 76.9 115.3

145 32.9 25.0 37.4





#31

Naphthalene

Concen: 49.975 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

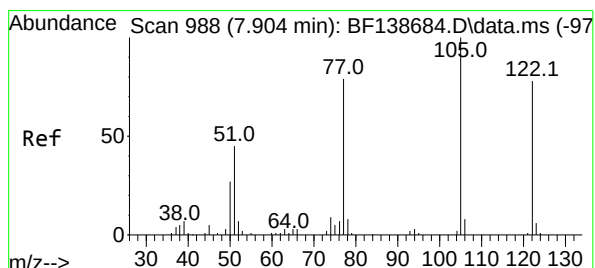
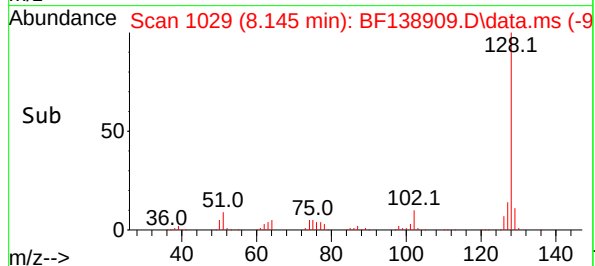
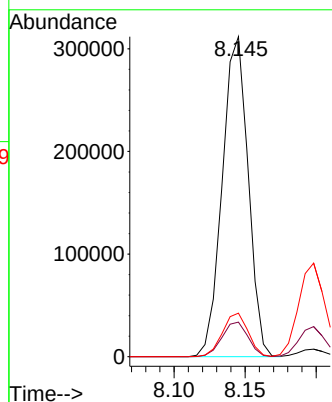
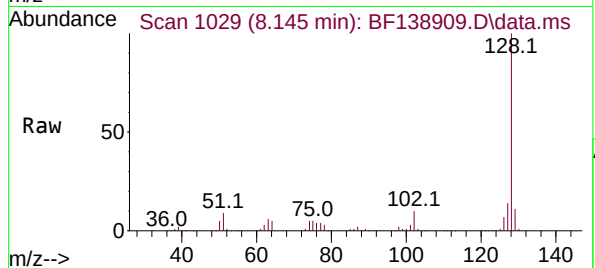
Tgt Ion:128 Resp: 395728

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.6 10.6 16.0



#32

Benzoic acid

Concen: 8.660 ng

RT: 7.904 min Scan# 988

Delta R.T. 0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

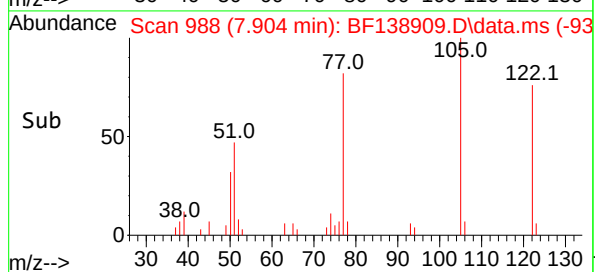
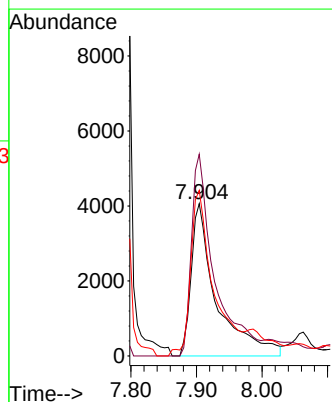
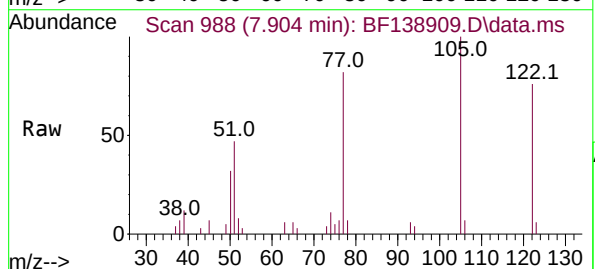
Tgt Ion:122 Resp: 10972

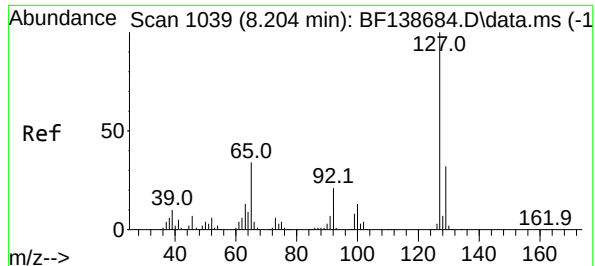
Ion Ratio Lower Upper

122 100

105 132.4 106.7 146.7

77 108.7 81.1 121.1





#33

4-Chloroaniline

Concen: 46.518 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

Tgt Ion:127 Resp: 123648

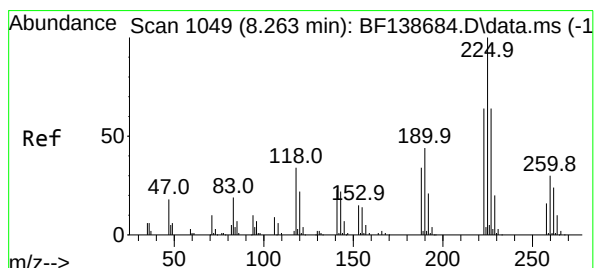
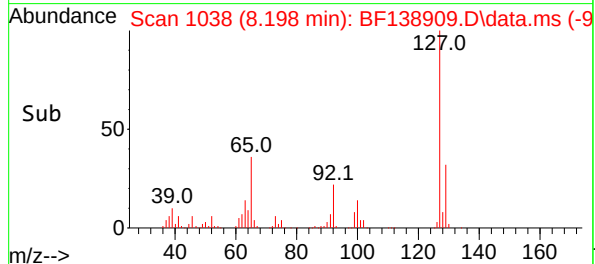
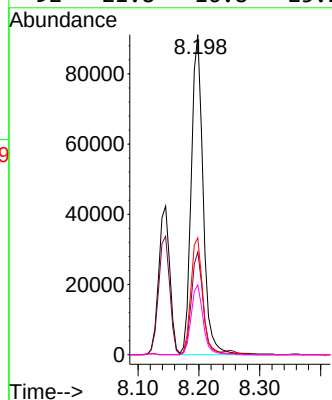
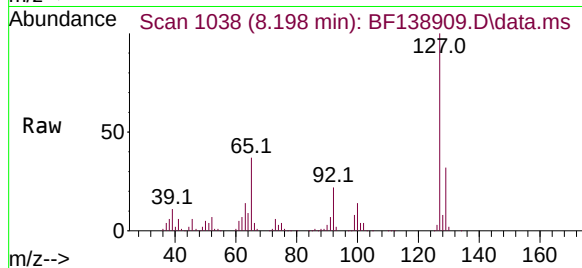
Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 36.5 27.6 41.4

92 21.8 16.8 25.2



#34

Hexachlorobutadiene

Concen: 44.643 ng

RT: 8.251 min Scan# 1047

Delta R.T. -0.012 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

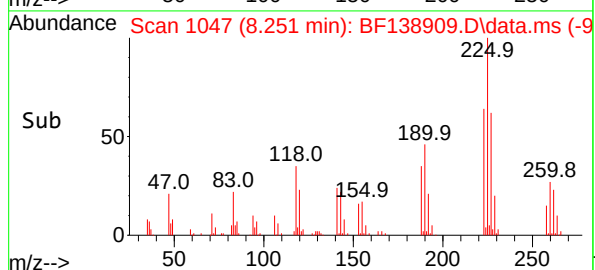
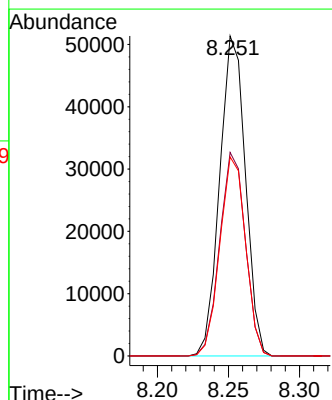
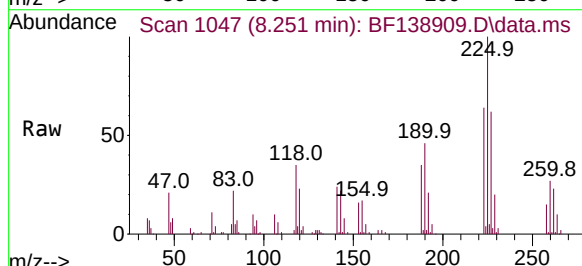
Tgt Ion:225 Resp: 64626

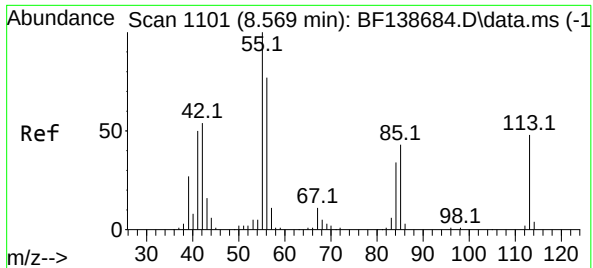
Ion Ratio Lower Upper

225 100

223 63.6 51.2 76.8

227 62.2 51.1 76.7

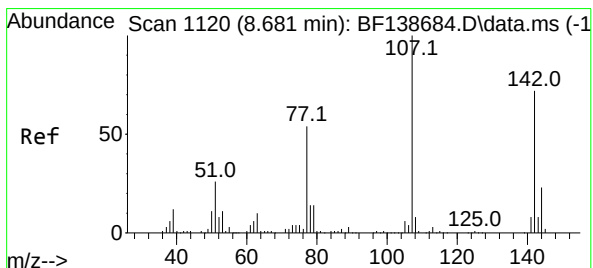
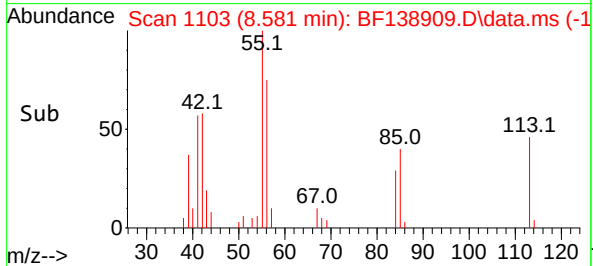
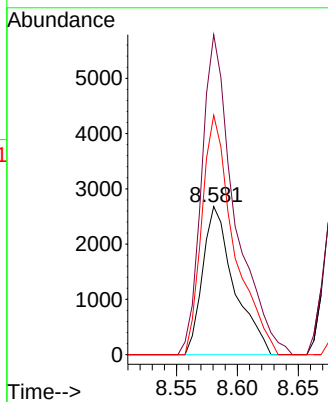
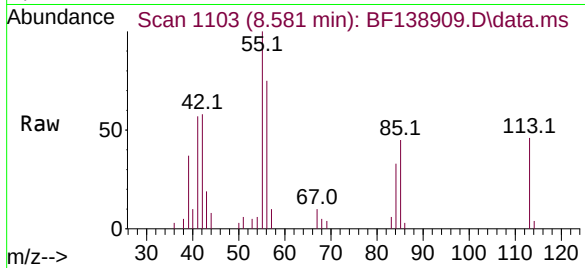




#35
Caprolactam
Concen: 7.827 ng
RT: 8.581 min Scan# 1101
Delta R.T. 0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

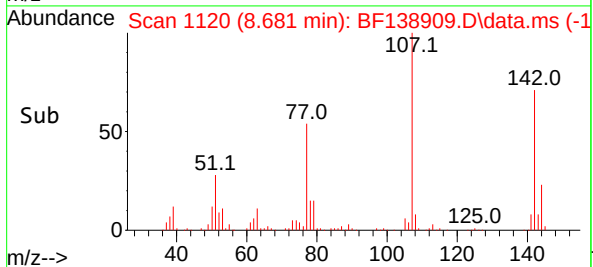
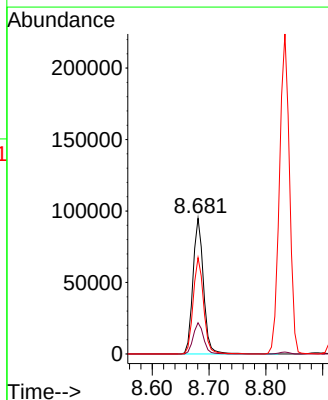
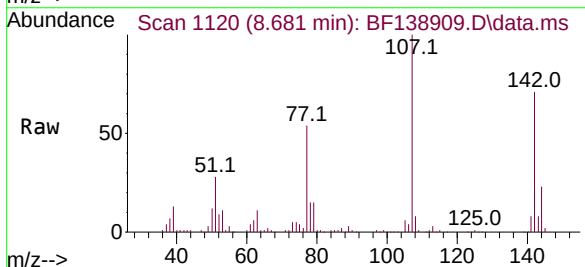
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

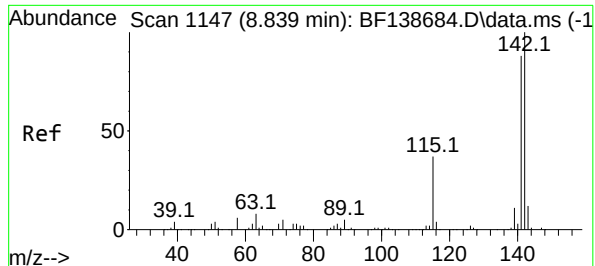
Tgt Ion:113 Resp: 4837
Ion Ratio Lower Upper
113 100
55 216.1 186.7 226.7
56 161.7 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 52.060 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:107 Resp: 123221
Ion Ratio Lower Upper
107 100
144 23.0 18.2 27.2
142 71.0 57.4 86.2

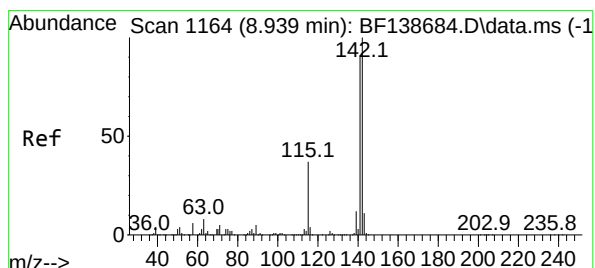
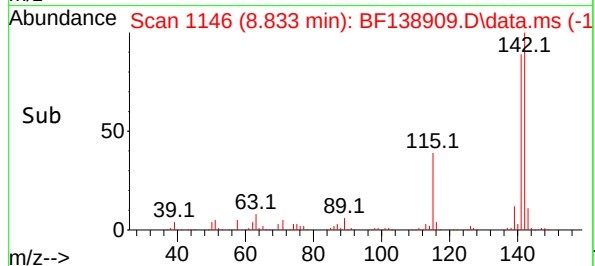
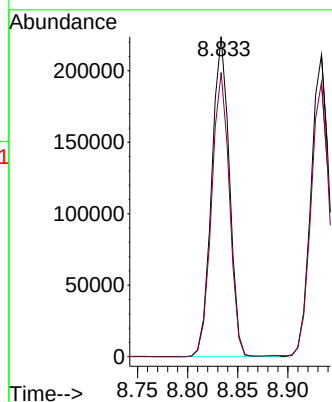
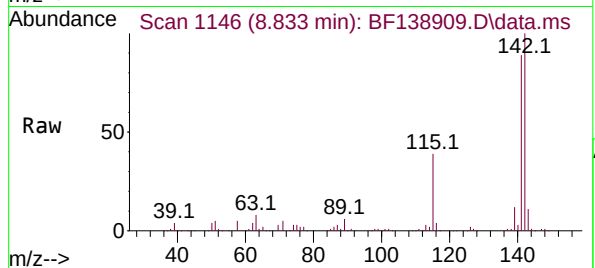




#37
2-Methylnaphthalene
Concen: 55.033 ng
RT: 8.833 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

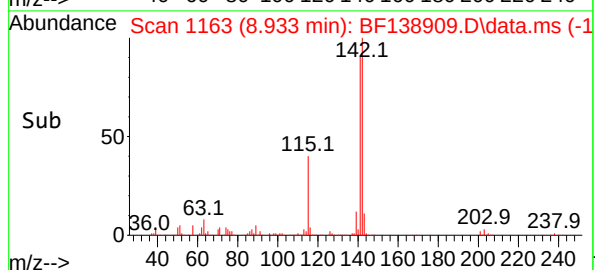
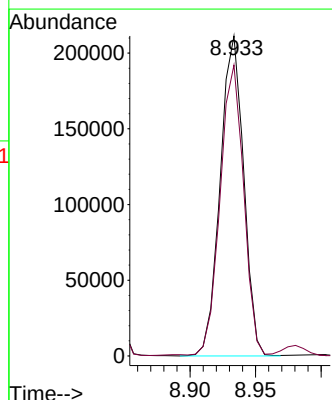
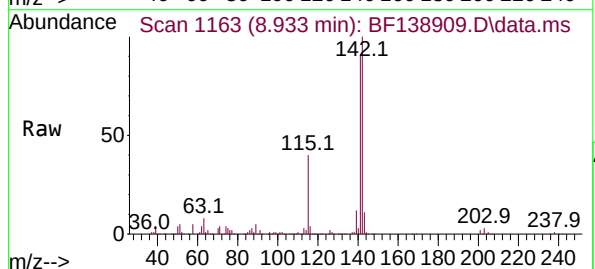
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

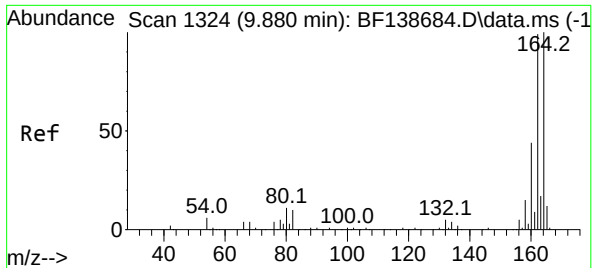
Tgt Ion:142 Resp: 275217
Ion Ratio Lower Upper
142 100
141 88.8 70.8 106.2



#38
1-Methylnaphthalene
Concen: 53.614 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

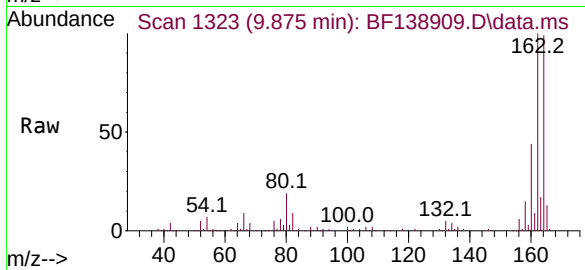
Tgt Ion:142 Resp: 262735
Ion Ratio Lower Upper
142 100
141 90.9 73.1 109.7



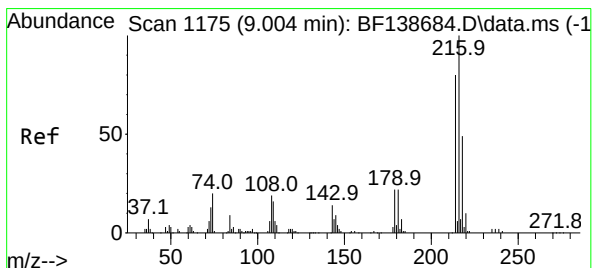
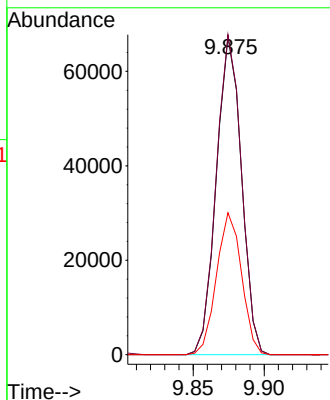
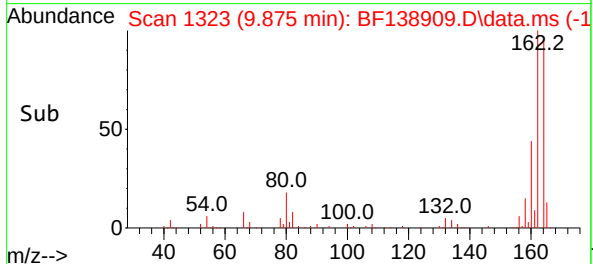


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1174
Delta R.T. -0.005 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

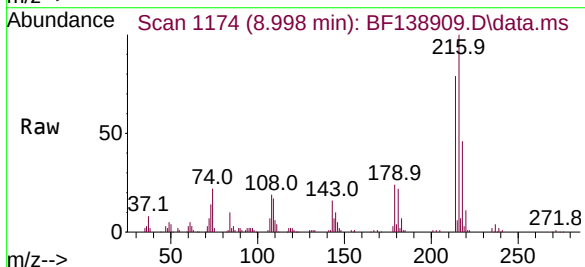
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS



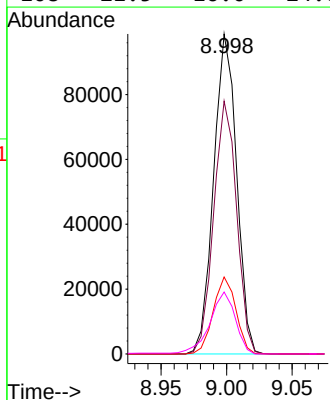
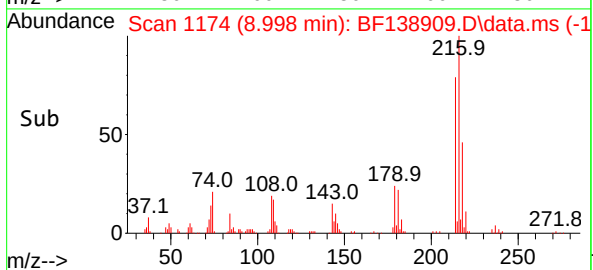
Tgt Ion:164 Resp: 82692
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.0
160 44.7 35.1 52.7

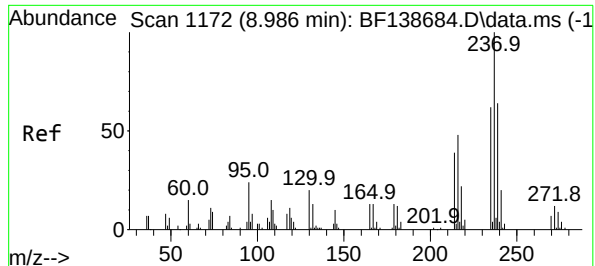


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.191 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48



Tgt Ion:216 Resp: 119888
Ion Ratio Lower Upper
216 100
214 78.8 63.9 95.9
179 23.7 17.8 26.6
108 21.5 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 101.566 ng

RT: 8.980 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

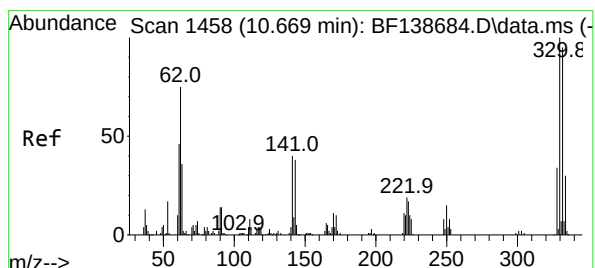
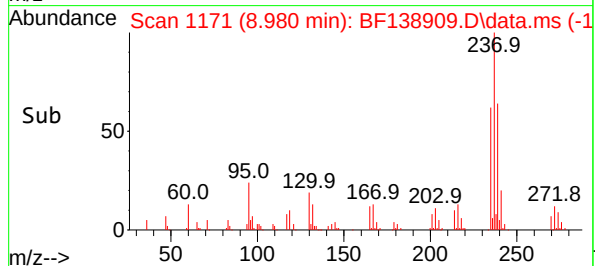
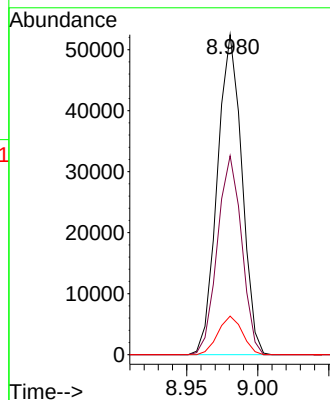
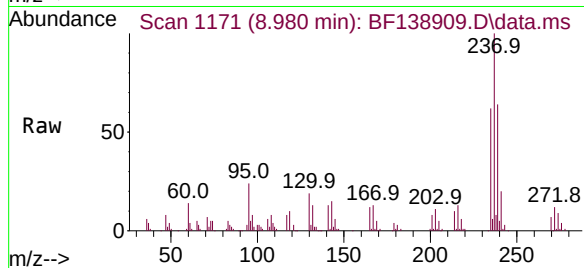
Tgt Ion:237 Resp: 63003

Ion Ratio Lower Upper

237 100

235 62.2 41.8 81.8

272 12.1 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 161.504 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

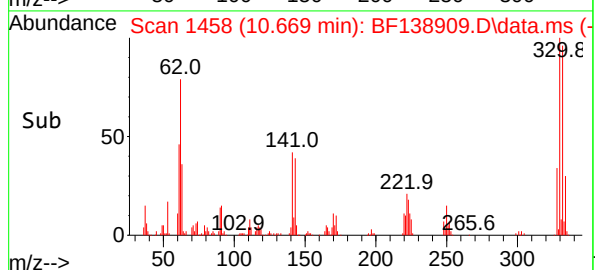
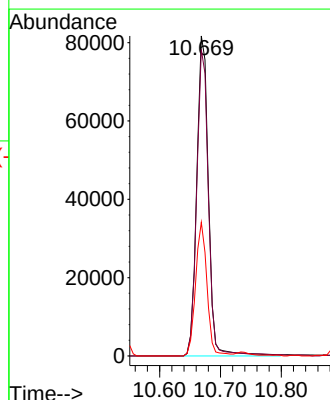
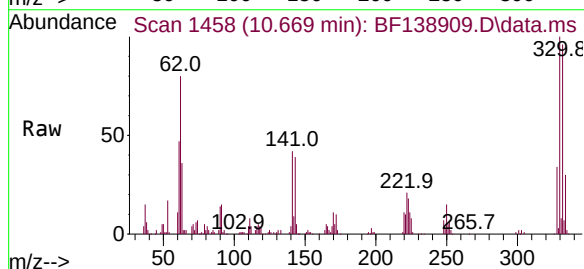
Tgt Ion:330 Resp: 109396

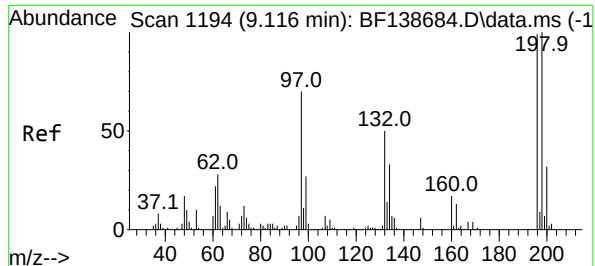
Ion Ratio Lower Upper

330 100

332 94.9 76.4 114.6

141 40.4 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 55.561 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

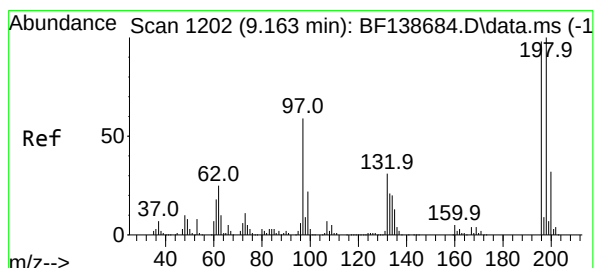
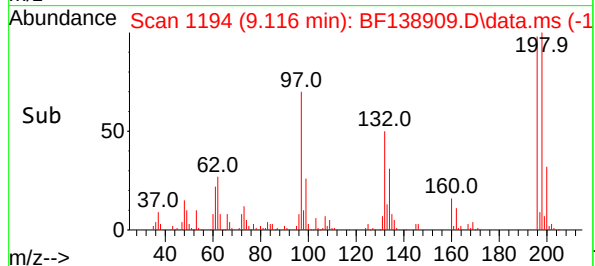
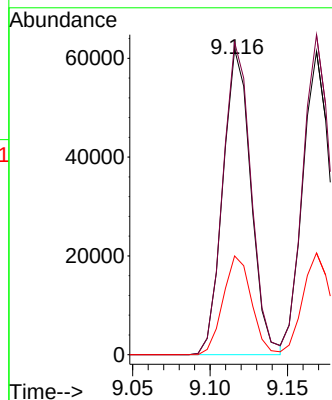
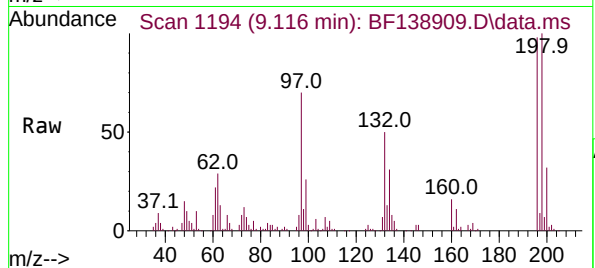
Tgt Ion:196 Resp: 77816

Ion Ratio Lower Upper

196 100

198 102.3 80.5 120.7

200 32.3 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 51.576 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Tgt Ion:196 Resp: 78968

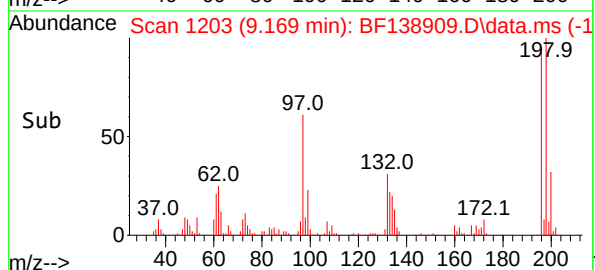
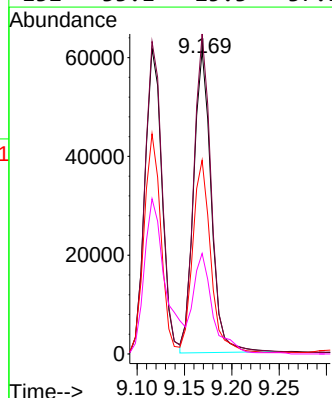
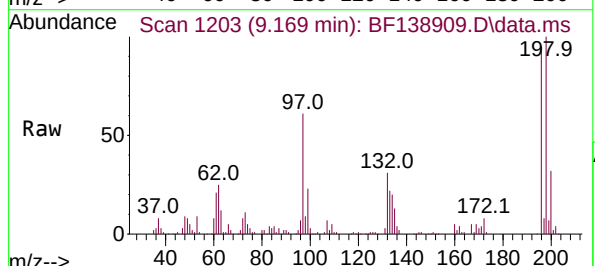
Ion Ratio Lower Upper

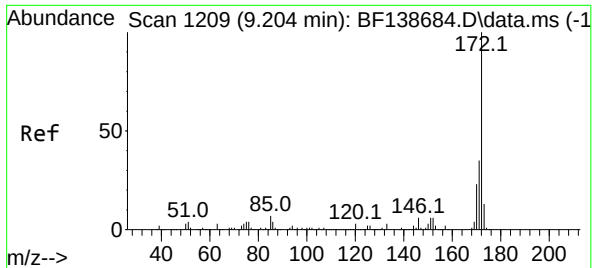
196 100

198 105.5 81.2 121.8

97 63.9 47.8 71.6

132 33.1 25.3 37.9

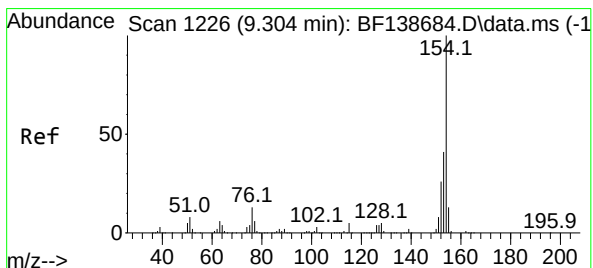
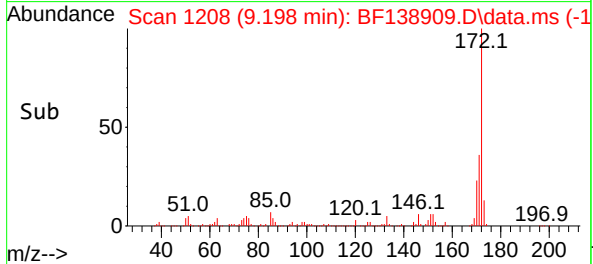
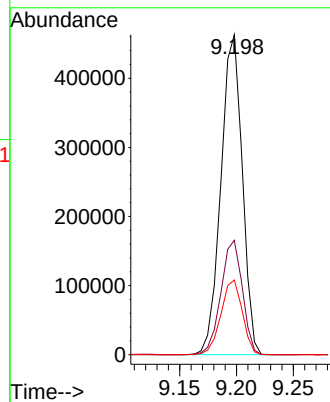
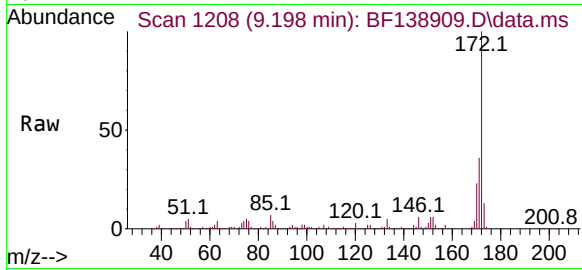




#45
2-Fluorobiphenyl
Concen: 110.109 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

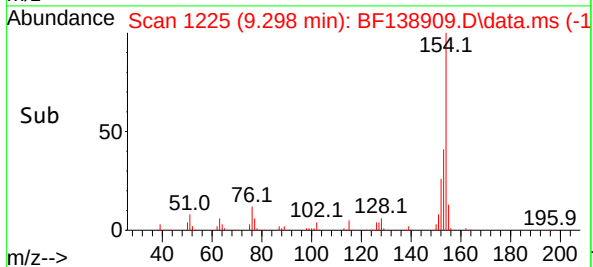
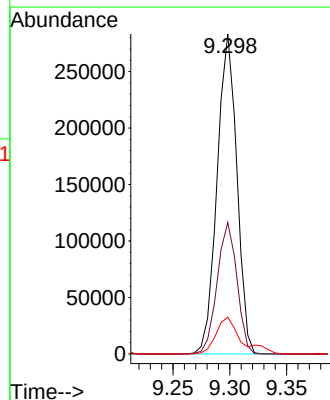
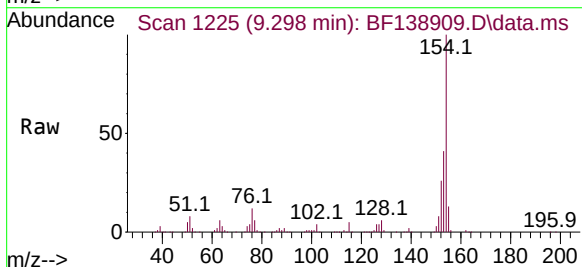
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

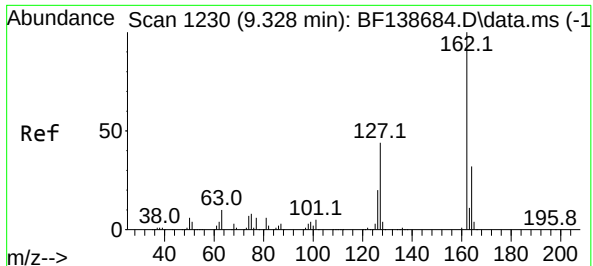
Tgt Ion:172 Resp: 606000
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 52.942 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:154 Resp: 342866
Ion Ratio Lower Upper
154 100
153 41.1 20.8 60.8
76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 55.043 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

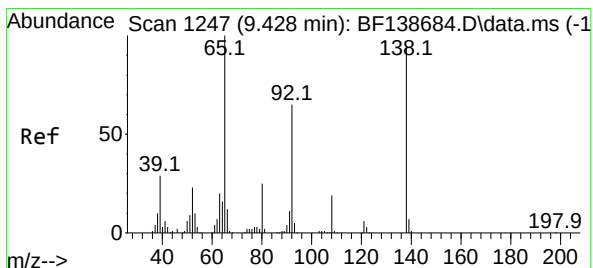
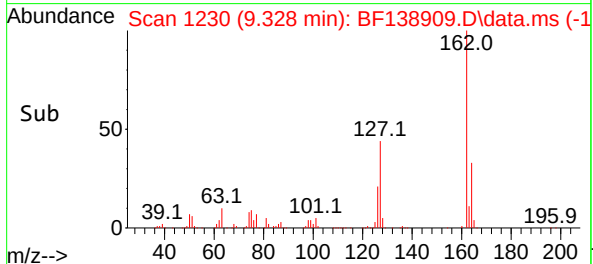
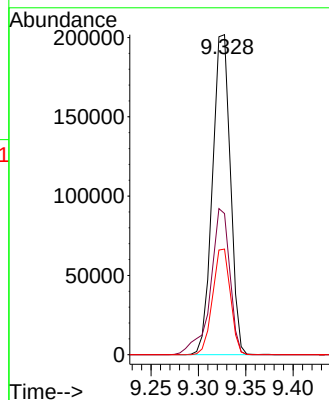
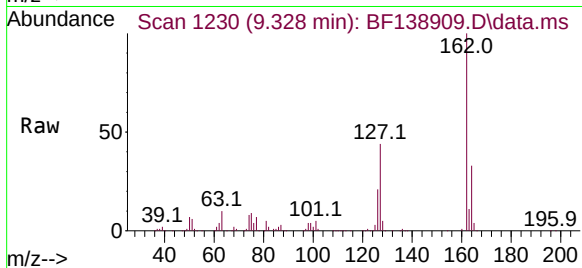
Tgt Ion:162 Resp: 265124

Ion Ratio Lower Upper

162 100

127 44.1 35.4 53.2

164 33.0 25.6 38.4



#48

2-Nitroaniline

Concen: 62.193 ng

RT: 9.428 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

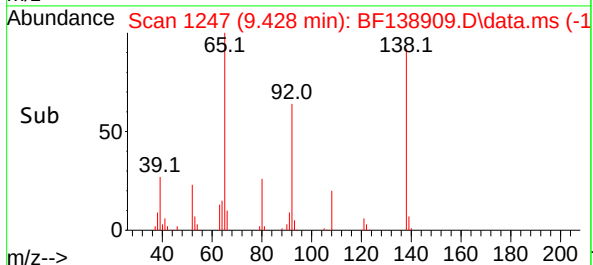
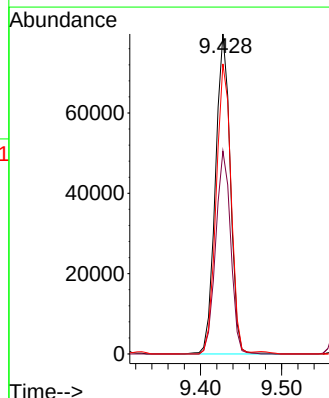
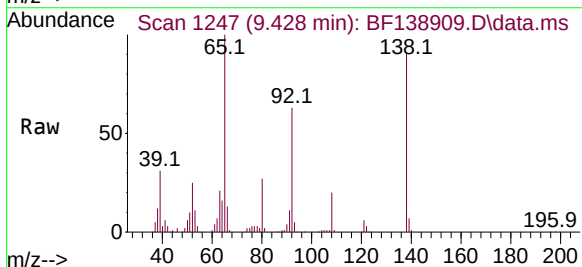
Tgt Ion: 65 Resp: 101555

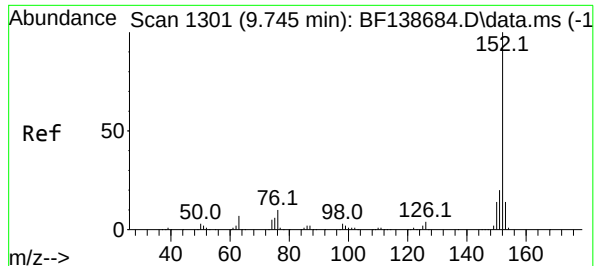
Ion Ratio Lower Upper

65 100

92 63.4 52.0 78.0

138 90.7 76.2 114.4





#49

Acenaphthylene

Concen: 62.109 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

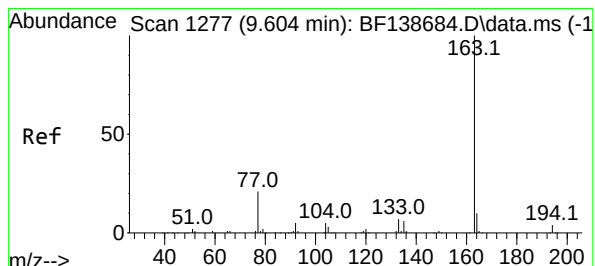
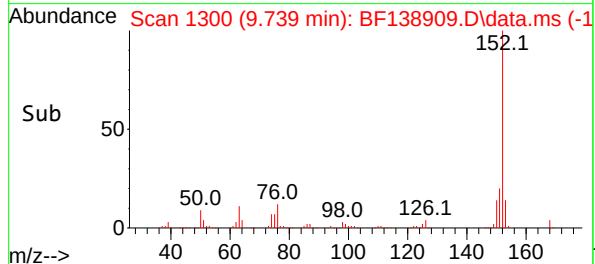
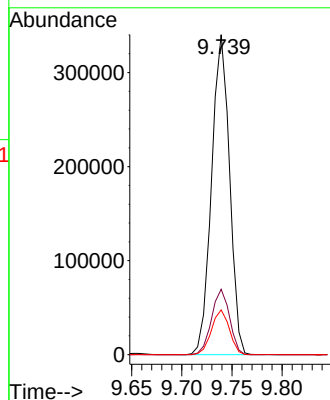
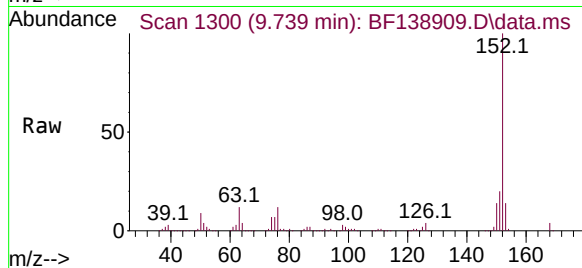
Tgt Ion:152 Resp: 424290

Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

153 14.0 11.0 16.4



#50

Dimethylphthalate

Concen: 63.229 ng

RT: 9.604 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

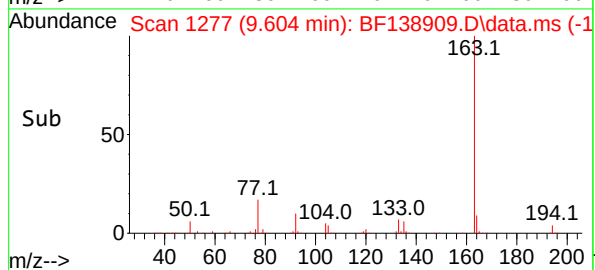
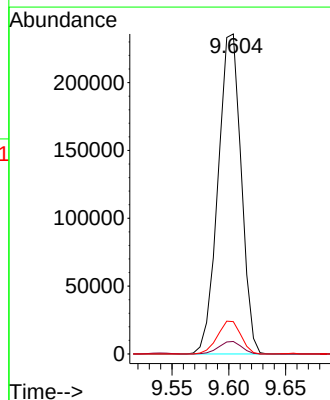
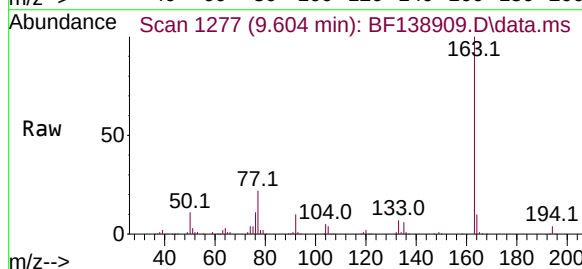
Tgt Ion:163 Resp: 334319

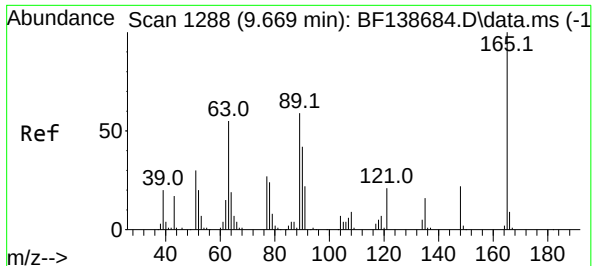
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 60.264 ng

RT: 9.669 min Scan# 1288

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

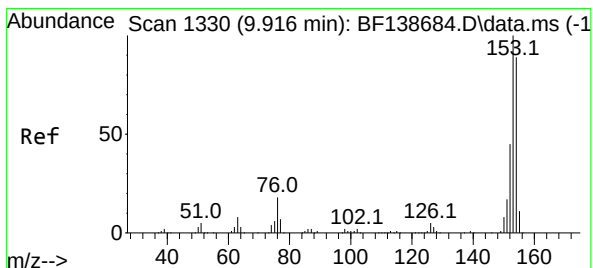
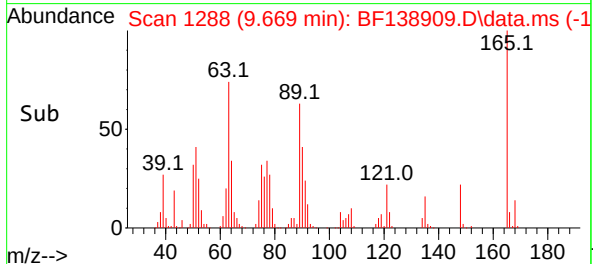
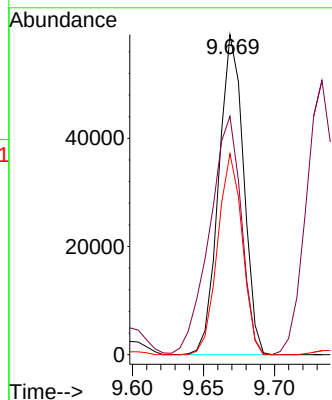
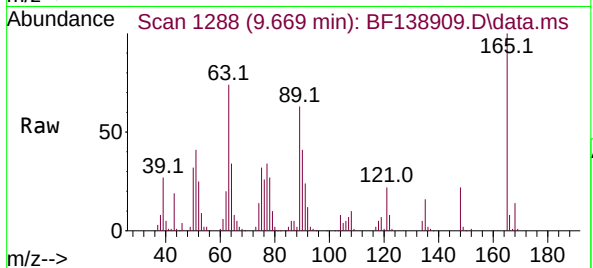
Tgt Ion:165 Resp: 71911

Ion Ratio Lower Upper

165 100

63 74.5 52.0 78.0

89 62.8 47.0 70.6



#52

Acenaphthene

Concen: 57.021 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

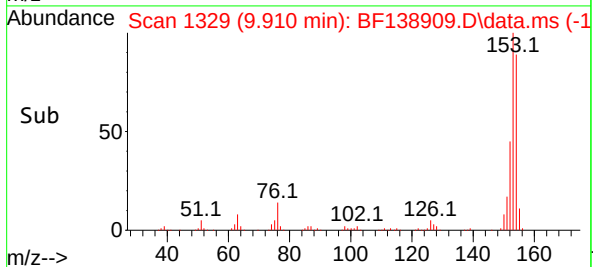
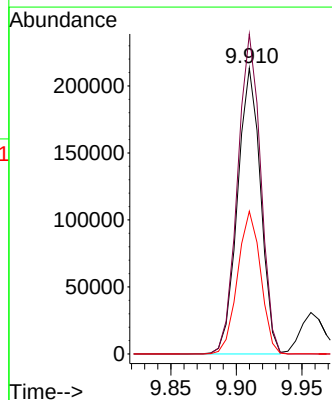
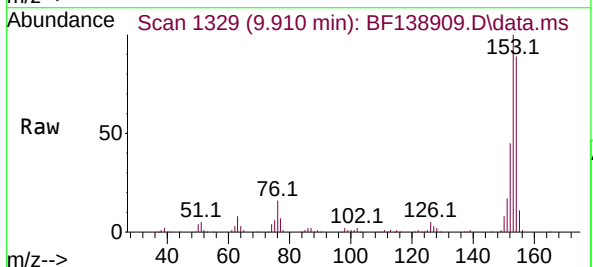
Tgt Ion:154 Resp: 261852

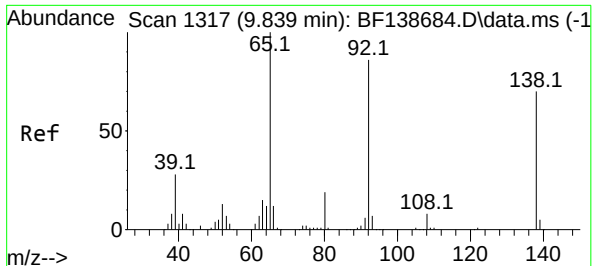
Ion Ratio Lower Upper

154 100

153 111.9 89.9 134.9

152 49.9 40.6 60.8





#53

3-Nitroaniline

Concen: 44.935 ng

RT: 9.839 min Scan# 1317

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

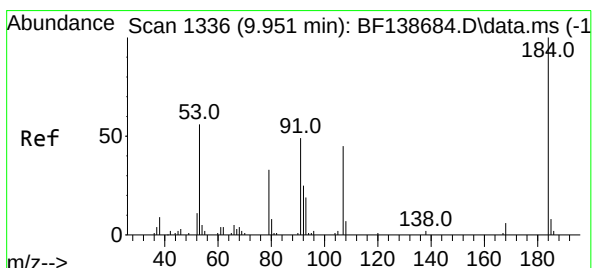
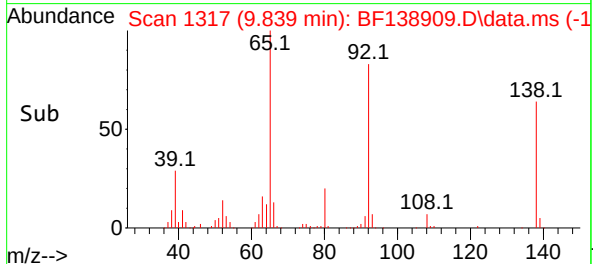
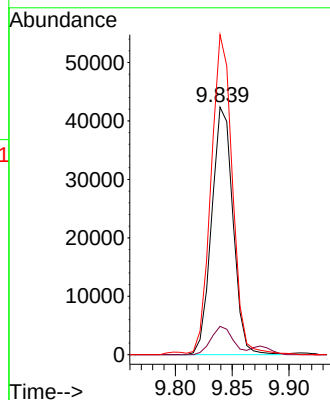
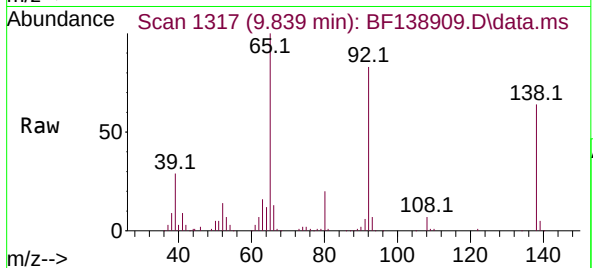
Tgt Ion:138 Resp: 55431

Ion Ratio Lower Upper

138 100

108 11.4 9.1 13.7

92 129.3 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 109.890 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

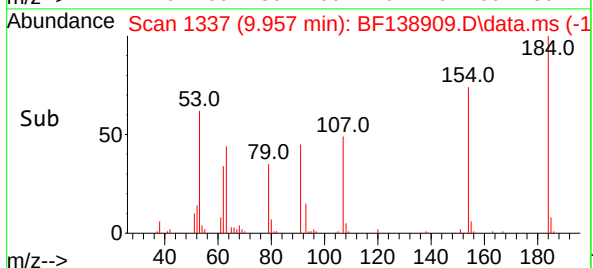
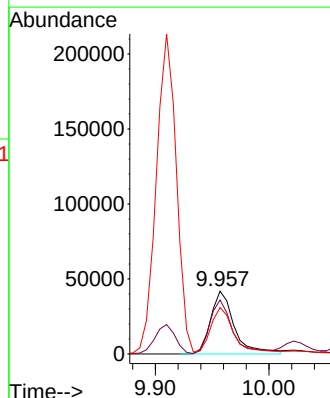
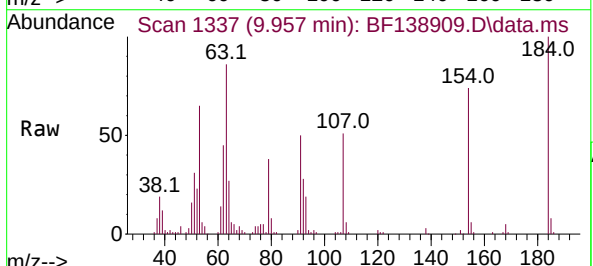
Tgt Ion:184 Resp: 60363

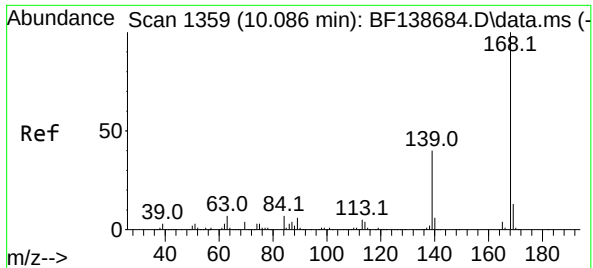
Ion Ratio Lower Upper

184 100

63 86.1 57.5 86.3

154 74.1 51.7 77.5





#55

Dibenzenofuran

Concen: 60.433 ng

RT: 10.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

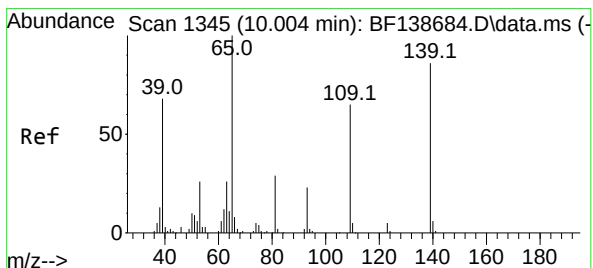
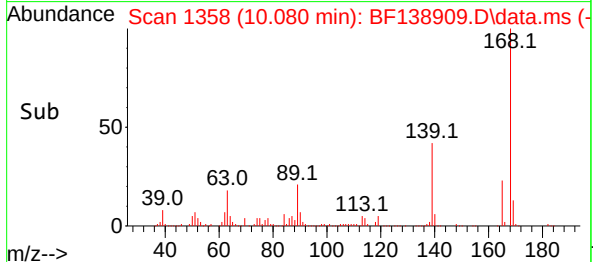
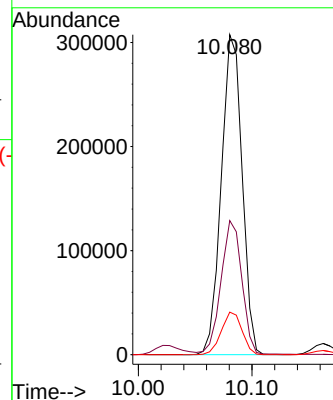
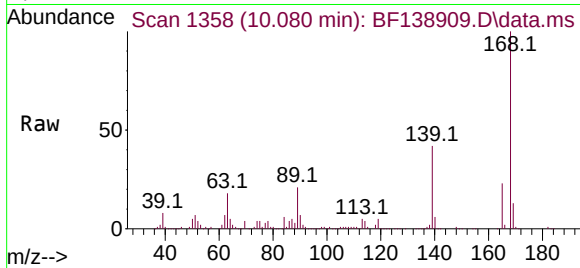
Tgt Ion:168 Resp: 391749

Ion Ratio Lower Upper

168 100

139 41.9 32.6 49.0

169 13.3 10.7 16.1



#56

4-Nitrophenol

Concen: 20.116 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.018 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

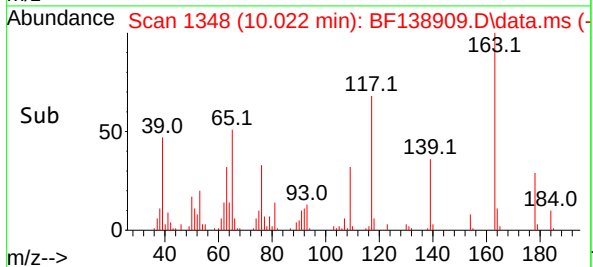
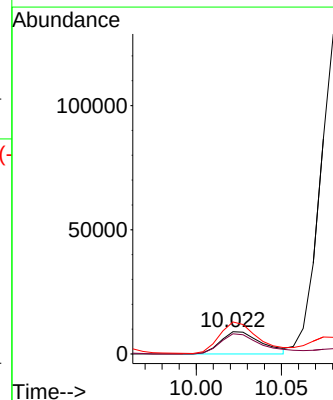
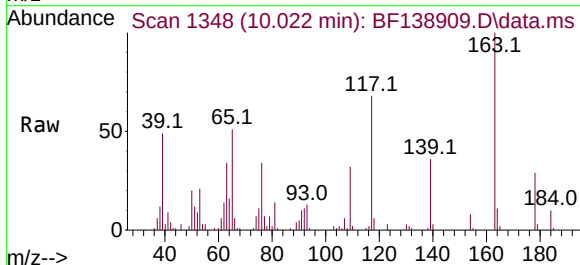
Tgt Ion:139 Resp: 14922

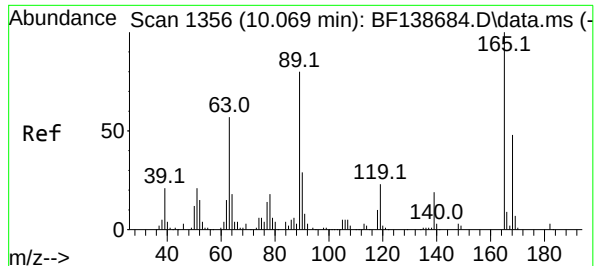
Ion Ratio Lower Upper

139 100

109 90.3 55.5 95.5

65 143.6 96.7 136.7#

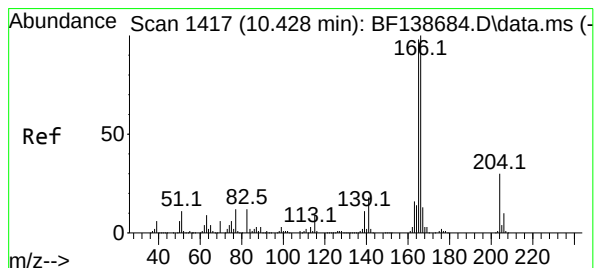
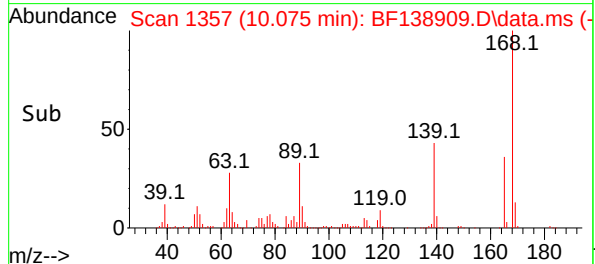
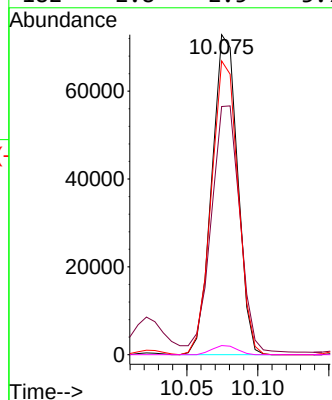
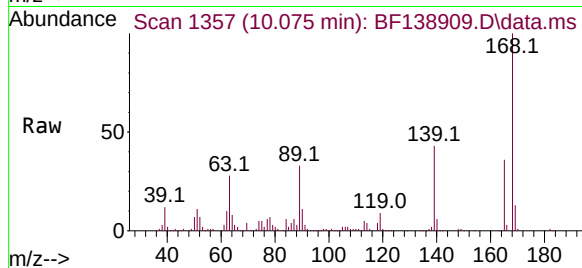




#57
2,4-Dinitrotoluene
Concen: 60.451 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

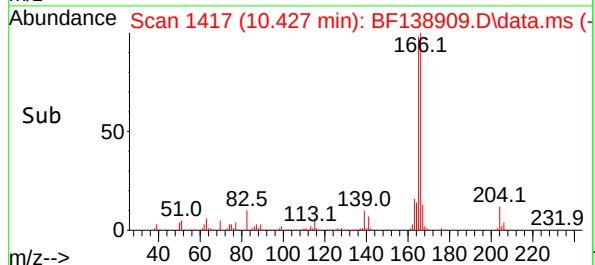
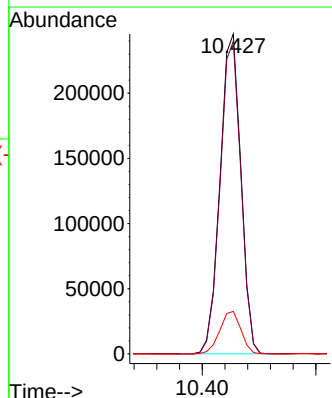
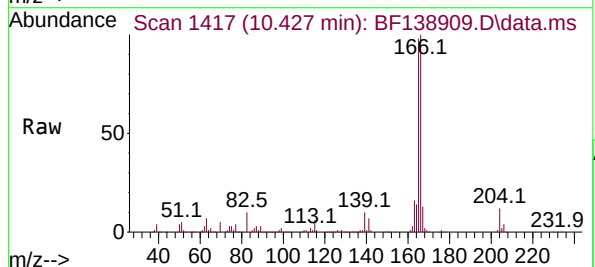
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

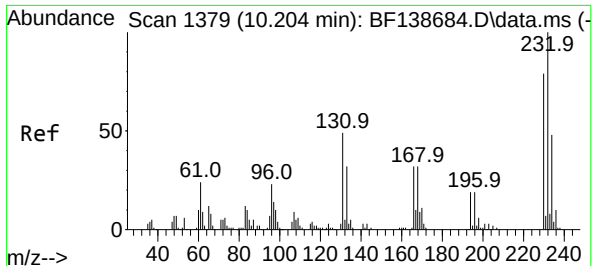
Tgt Ion	Ratio	Lower	Upper
165	100		
63	77.5	46.3	69.5#
89	91.8	64.2	96.4
182	2.8	2.5	3.7



#58
Fluorene
Concen: 60.551 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.3	10.6	16.0

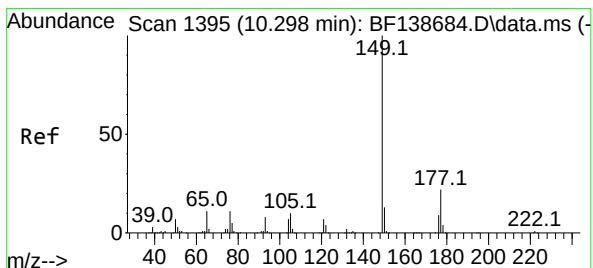
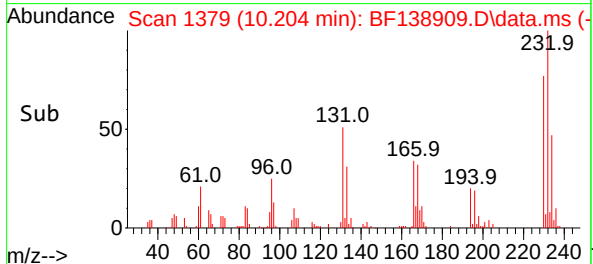
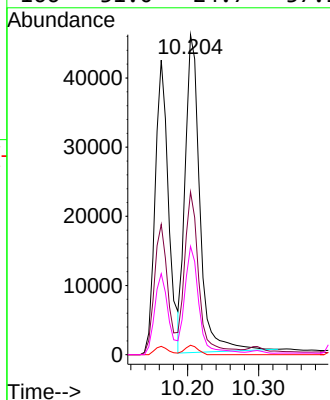
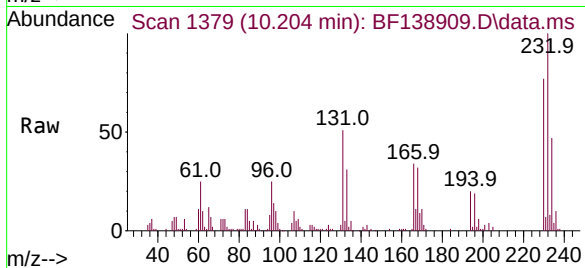




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.529 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

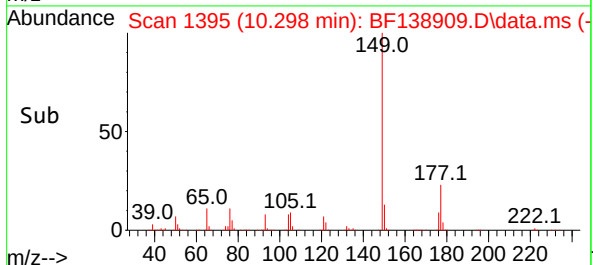
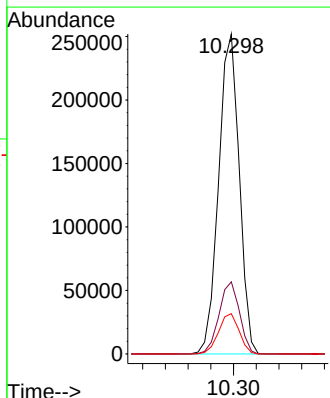
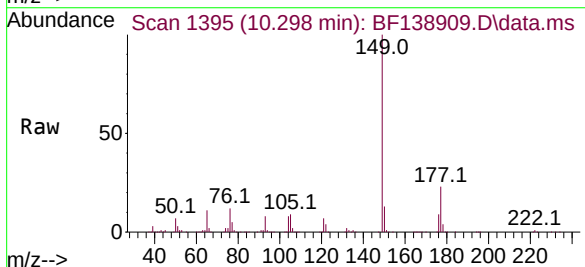
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

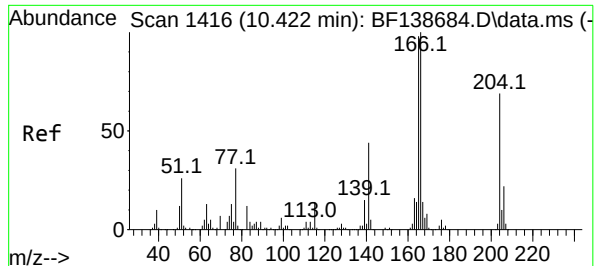
Tgt Ion:232 Resp: 66170
Ion Ratio Lower Upper
232 100
131 50.5 37.0 55.4
130 2.6 2.0 3.0
166 31.0 24.7 37.1



#60
Diethylphthalate
Concen: 63.339 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:149 Resp: 317546
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.8
150 12.6 10.1 15.1

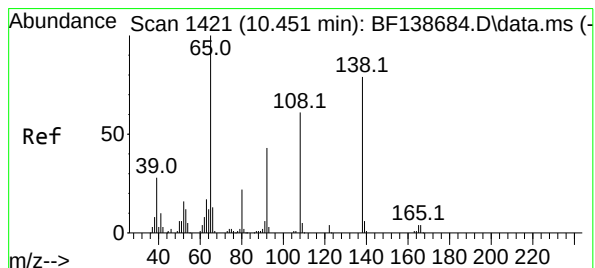
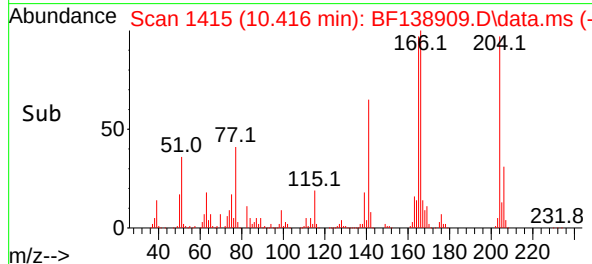
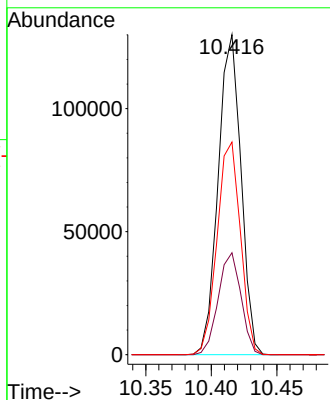
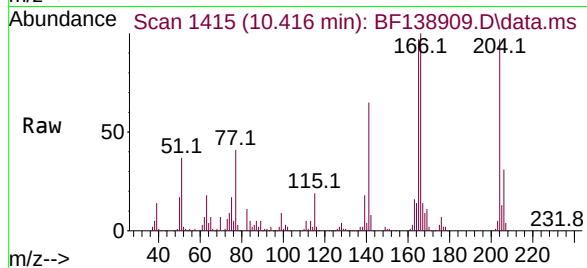




#61
4-Chlorophenyl-phenylether
Concen: 61.888 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

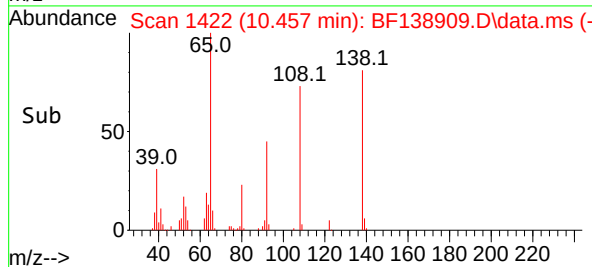
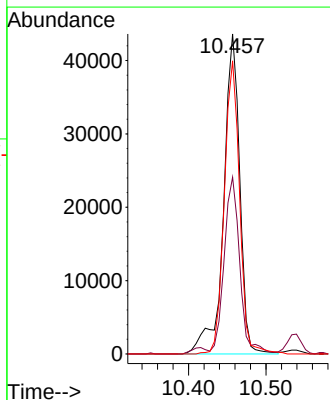
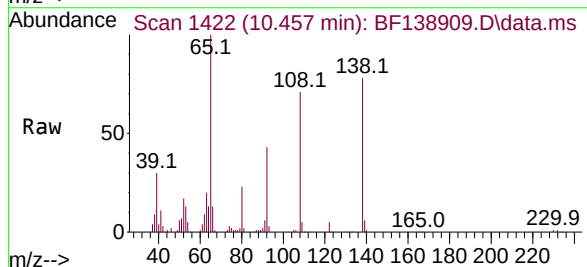
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

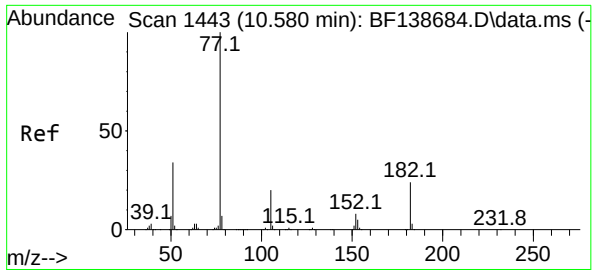
Tgt Ion:204 Resp: 157125
Ion Ratio Lower Upper
204 100
206 31.9 26.1 39.1
141 66.4 51.4 77.0



#62
4-Nitroaniline
Concen: 54.051 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:138 Resp: 63363
Ion Ratio Lower Upper
138 100
92 55.3 34.2 74.2
108 91.6 56.2 96.2

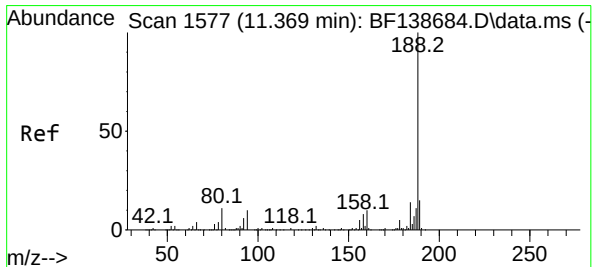
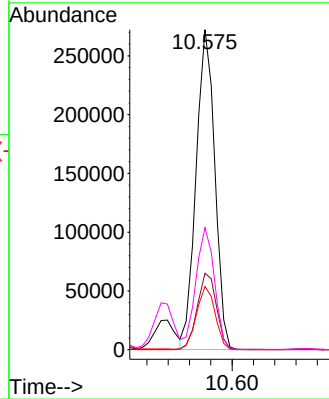
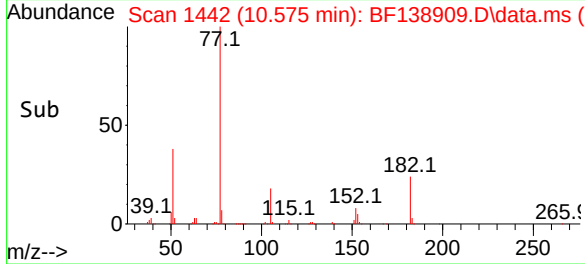
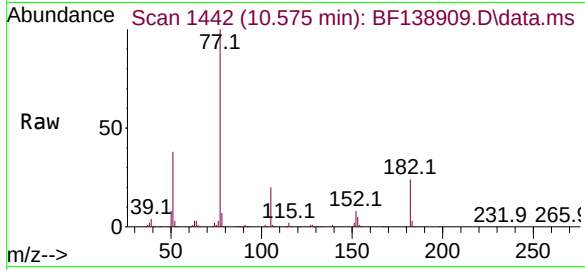




#63
Azobenzene
Concen: 59.947 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

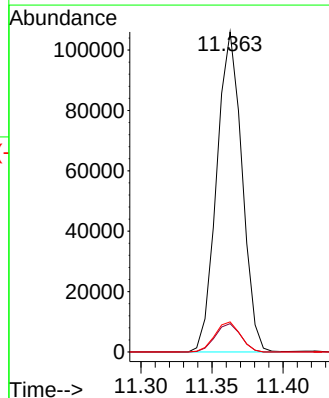
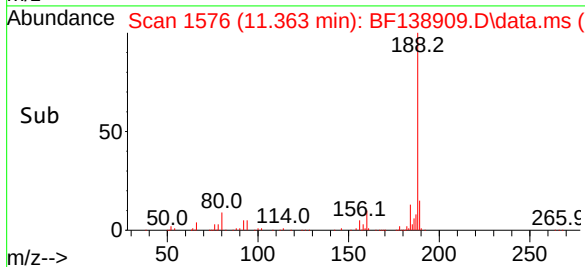
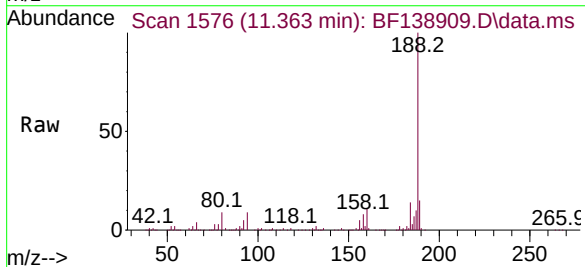
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

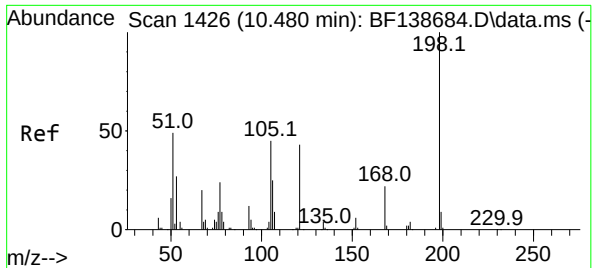
Tgt Ion: 77	Resp: 333325
Ion Ratio	Lower Upper
77	100
182	23.9 3.4 43.4
105	19.7 0.2 40.2
51	38.1 14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion: 188	Resp: 131267
Ion Ratio	Lower Upper
188	100
94	8.9 7.6 11.4
80	9.4 8.6 12.8

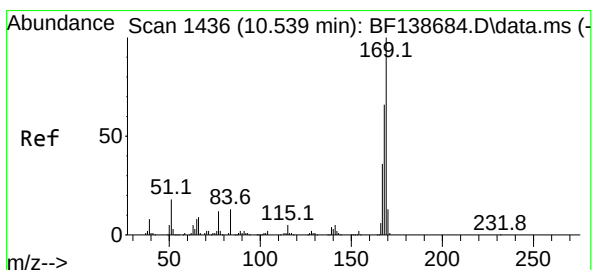
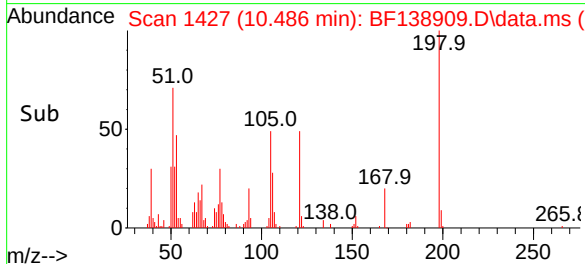
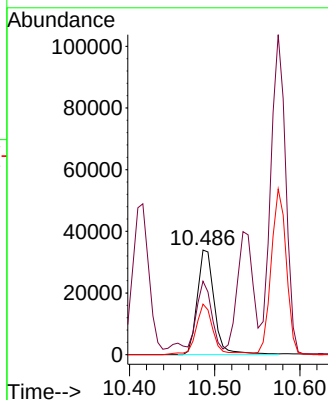
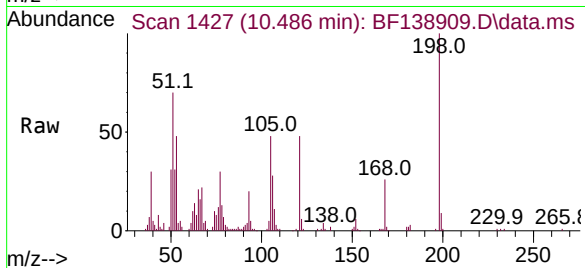




#65
4,6-Dinitro-2-methylphenol
Concen: 58.943 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

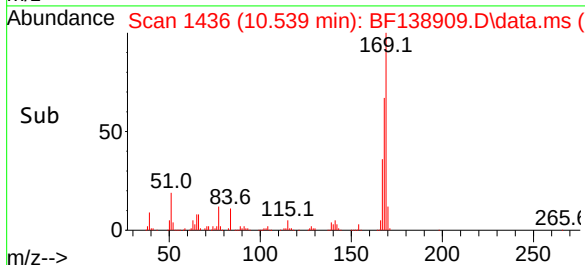
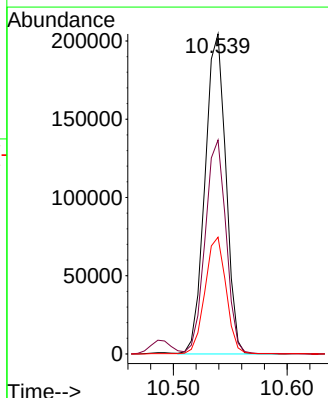
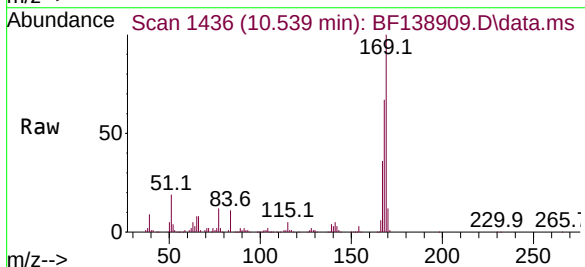
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

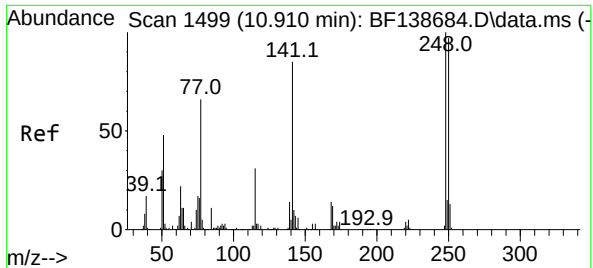
Tgt Ion	Ratio	Lower	Upper
198	100		
51	70.2	39.9	79.9
105	48.3	26.1	66.1



#66
n-Nitrosodiphenylamine
Concen: 63.541 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.6
167	36.5	29.0	43.6

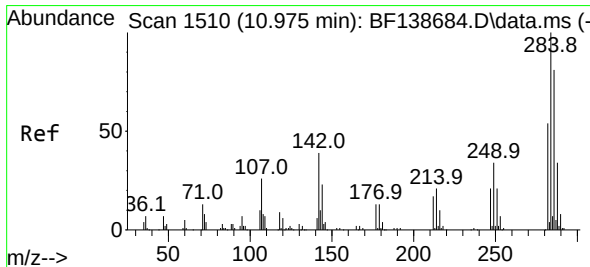
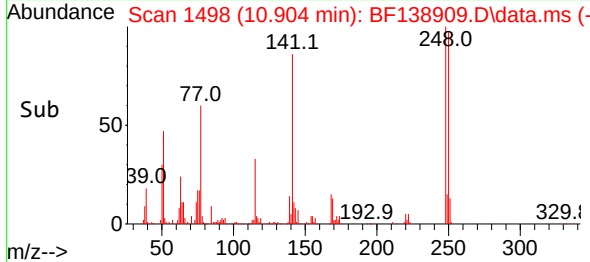
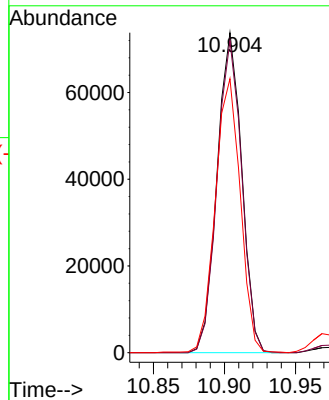
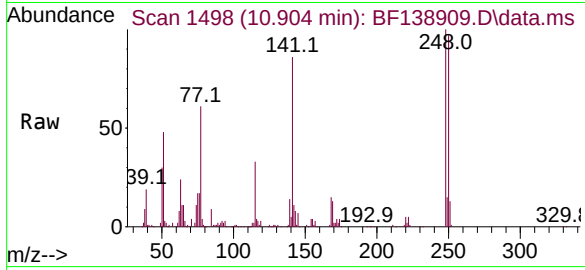




#67
4-Bromophenyl-phenylether
Concen: 62.624 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

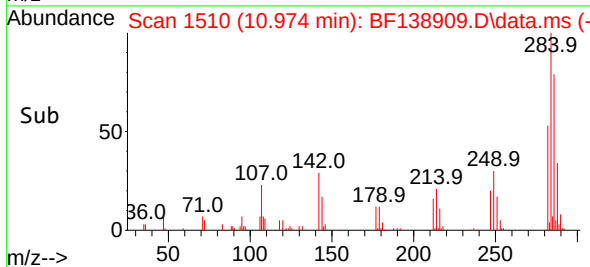
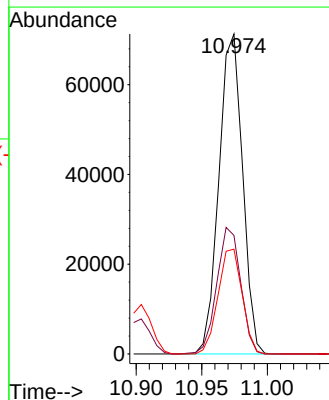
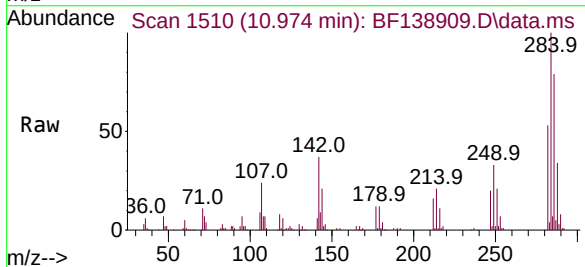
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

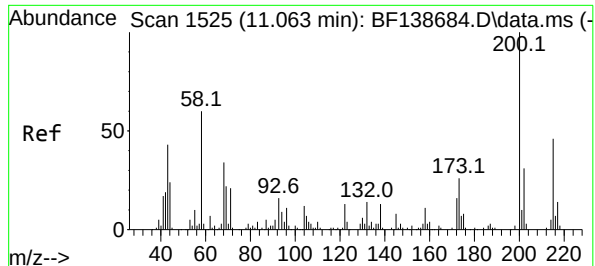
Tgt Ion:248	Resp:	89002
Ion Ratio	Lower	Upper
248	100	
250	97.5	116.5
141	85.6	102.0



#68
Hexachlorobenzene
Concen: 60.919 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:284	Resp:	89394
Ion Ratio	Lower	Upper
284	100	
142	37.1	46.9
249	32.8	40.8





#69

Atrazine

Concen: 69.081 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

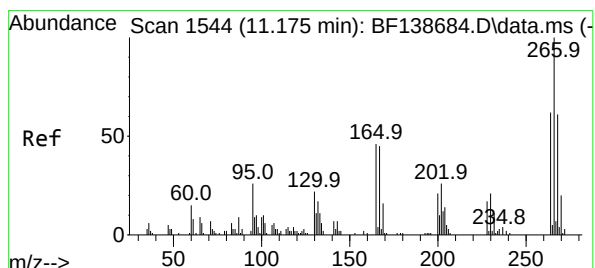
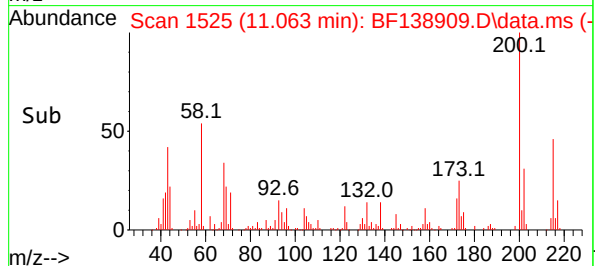
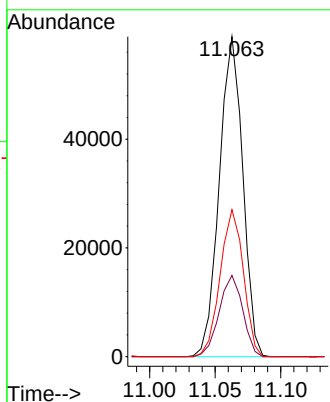
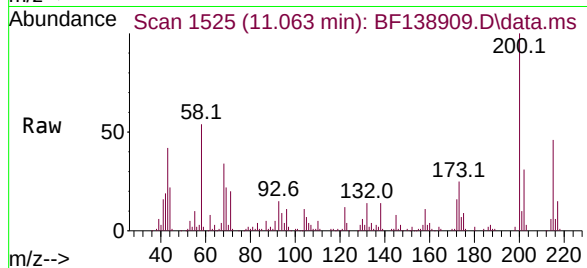
Tgt Ion:200 Resp: 73130

Ion Ratio Lower Upper

200 100

173 25.4 6.0 46.0

215 46.0 26.1 66.1



#70

Pentachlorophenol

Concen: 85.000 ng

RT: 11.174 min Scan# 1544

Delta R.T. -0.001 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

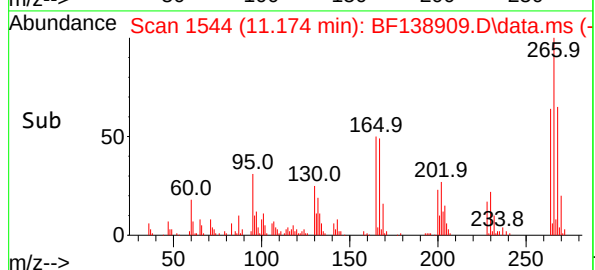
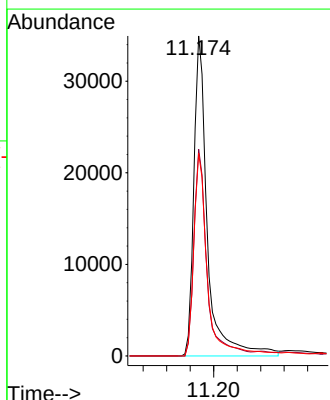
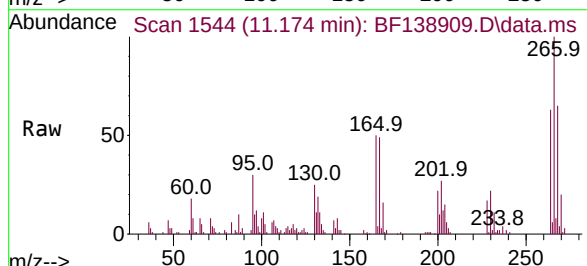
Tgt Ion:266 Resp: 56221

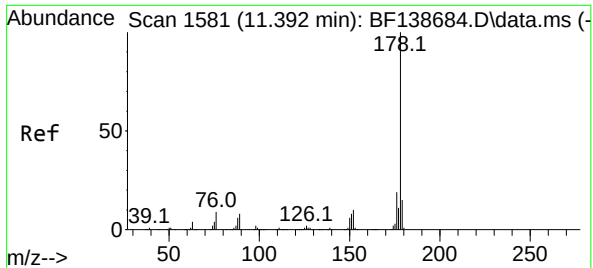
Ion Ratio Lower Upper

266 100

268 64.6 49.2 73.8

264 63.3 49.8 74.6

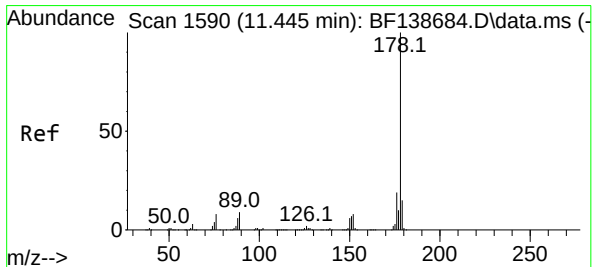
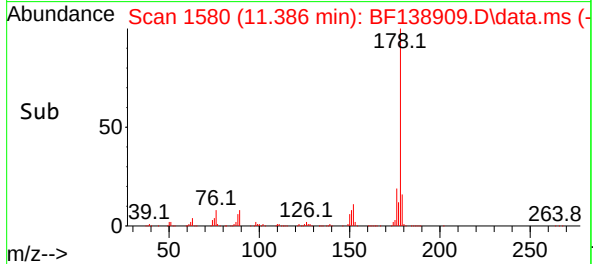
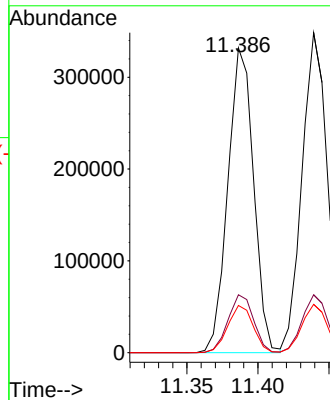
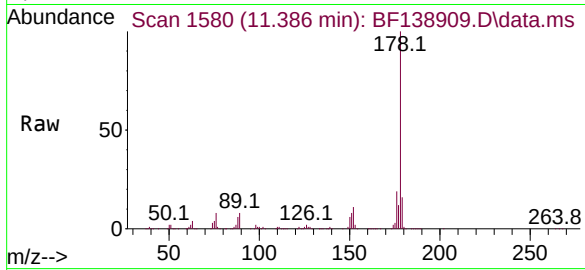




#71
Phenanthrene
Concen: 61.977 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

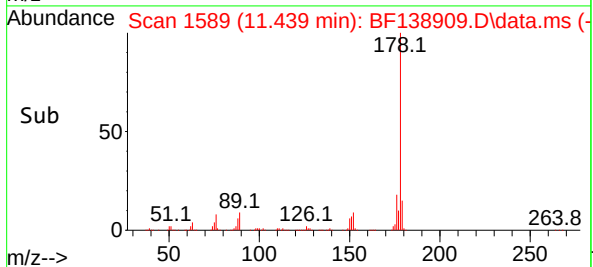
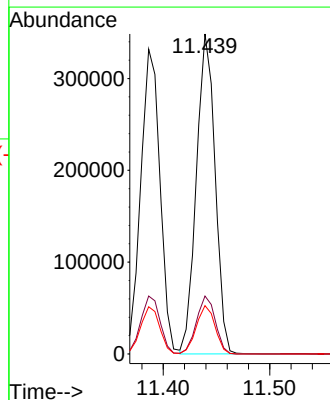
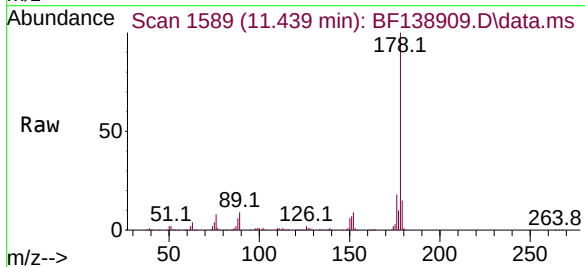
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

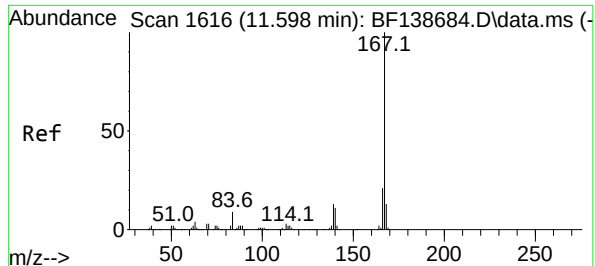
Tgt Ion:178 Resp: 418918
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.5 12.2 18.2



#72
Anthracene
Concen: 64.178 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

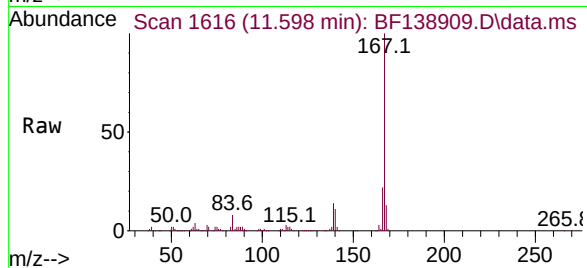
Tgt Ion:178 Resp: 427343
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.1 12.4 18.6



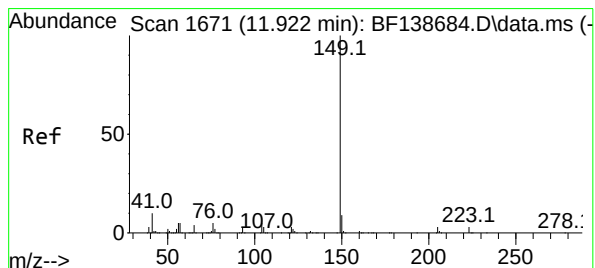
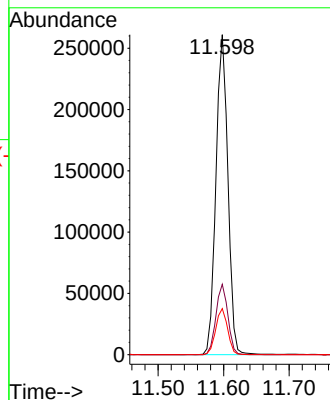
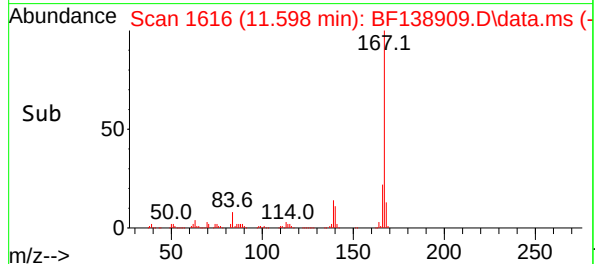


#73
Carbazole
Concen: 57.495 ng
RT: 11.598 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

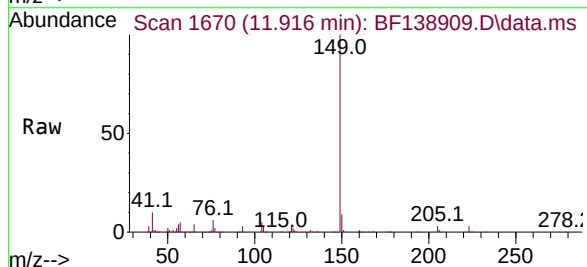
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS



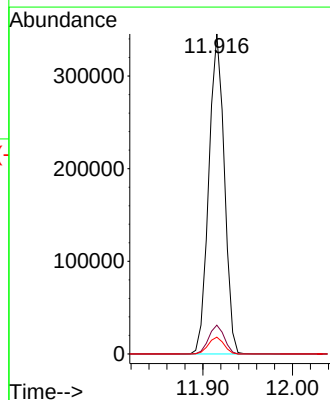
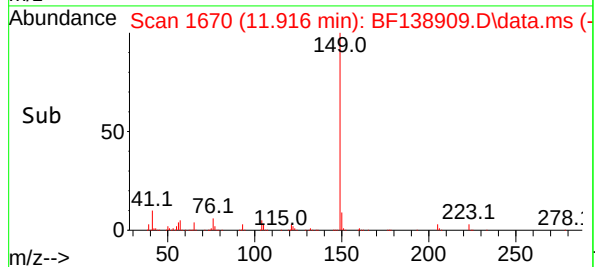
Tgt Ion:167 Resp: 330296
Ion Ratio Lower Upper
167 100
166 22.0 17.2 25.8
139 14.4 10.6 16.0

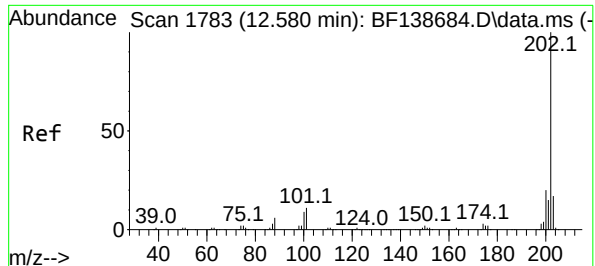


#74
Di-n-butylphthalate
Concen: 64.230 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48



Tgt Ion:149 Resp: 414803
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 53.686 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

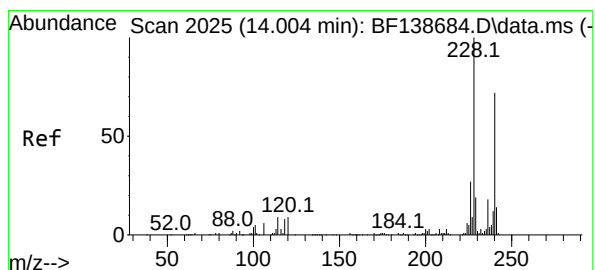
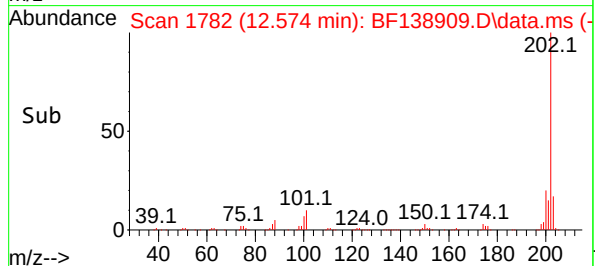
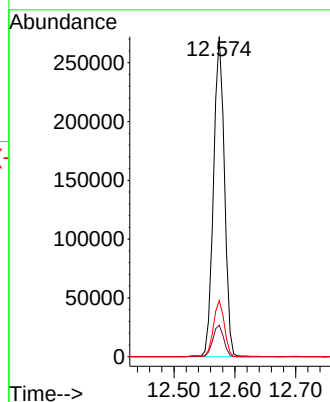
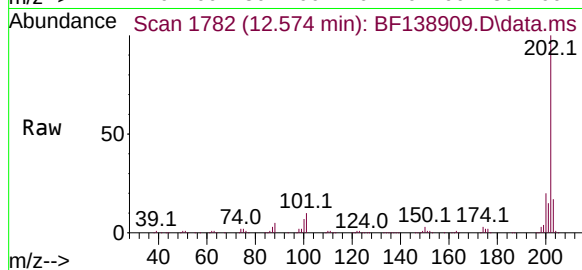
Tgt Ion:202 Resp: 338766

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.2

203 17.5 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

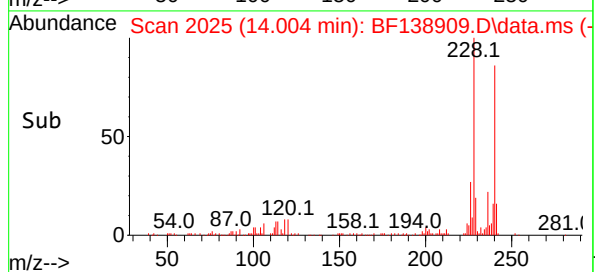
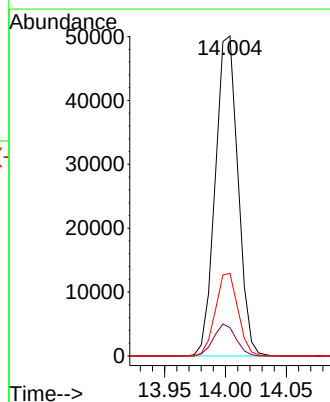
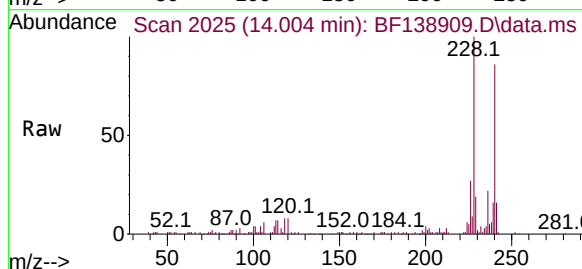
Tgt Ion:240 Resp: 65057

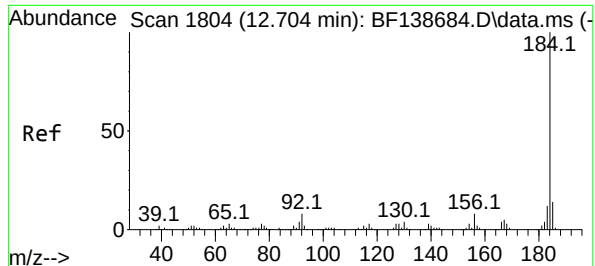
Ion Ratio Lower Upper

240 100

120 8.9 10.2 15.4#

236 25.8 19.8 29.8





#77

Benzidine

Concen: 34.151 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

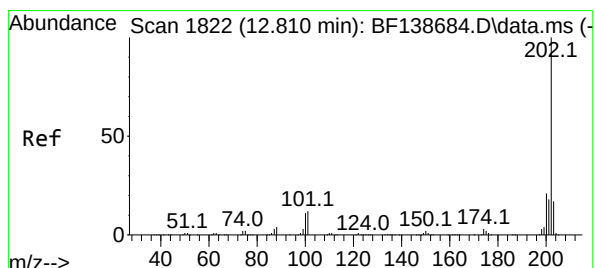
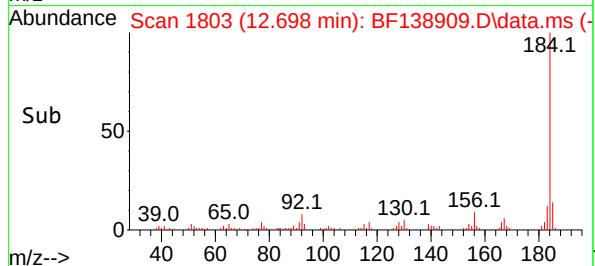
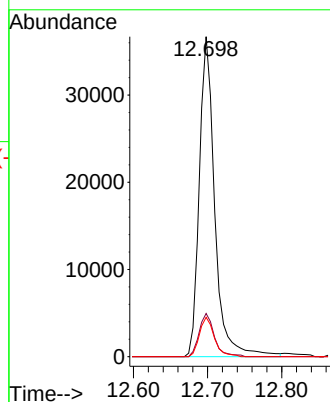
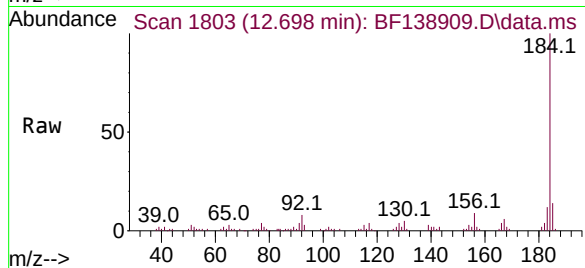
Tgt Ion:184 Resp: 53140

Ion Ratio Lower Upper

184 100

185 13.5 11.1 16.7

183 12.3 9.6 14.4



#78

Pyrene

Concen: 53.969 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

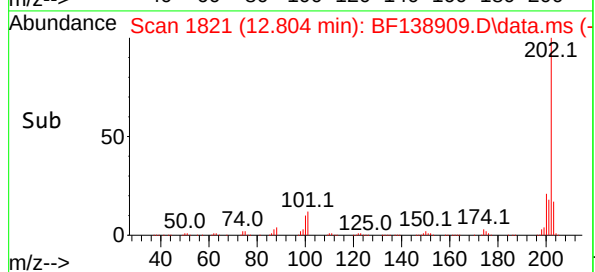
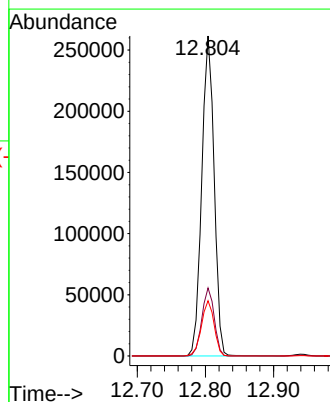
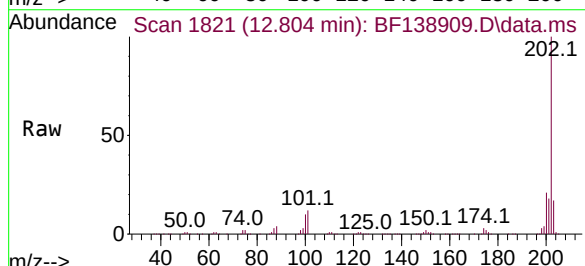
Tgt Ion:202 Resp: 330576

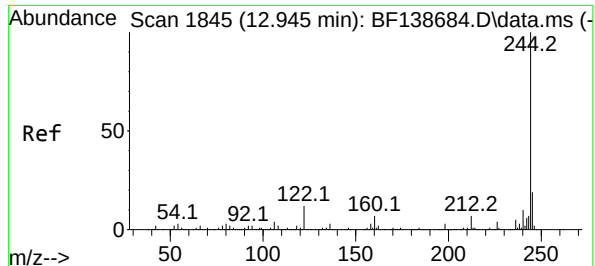
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

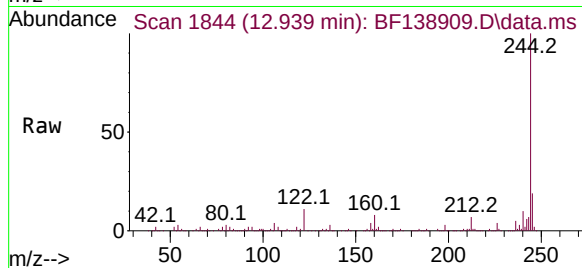
203 17.3 13.8 20.6



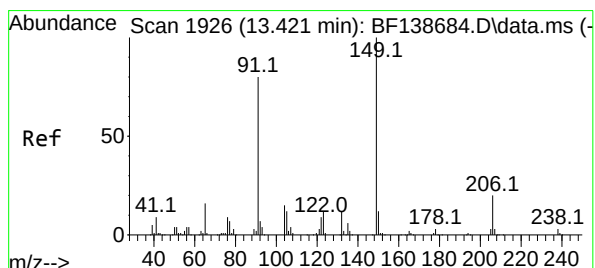
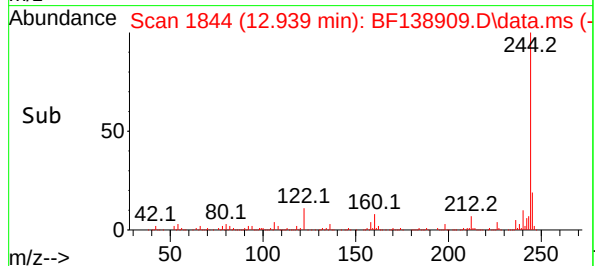
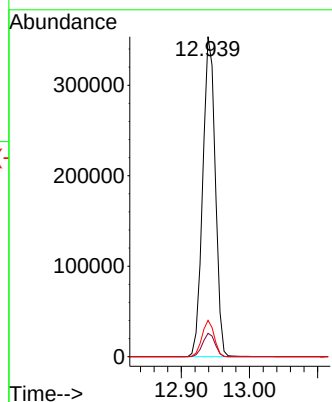


#79
Terphenyl-d14
Concen: 116.447 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

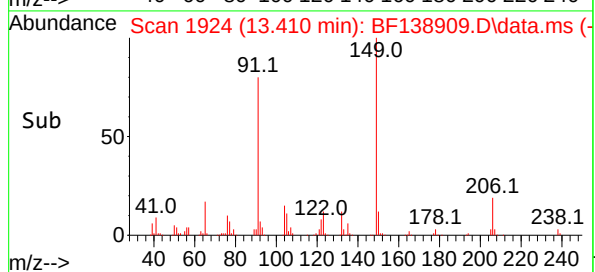
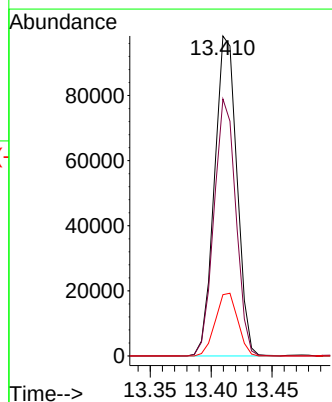
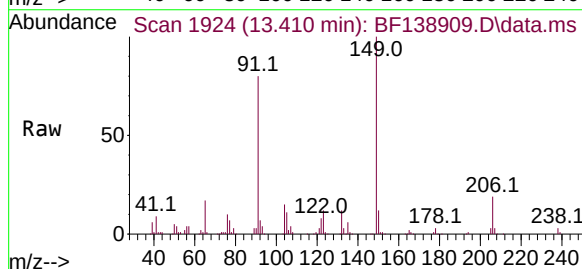


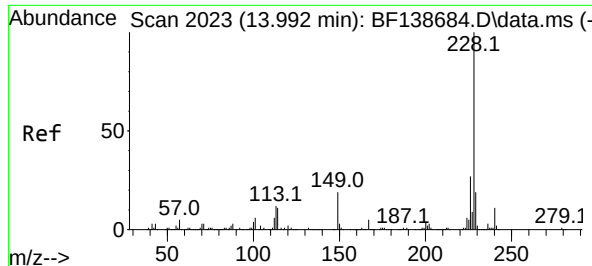
Tgt Ion:244 Resp: 452479
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 11.3 9.6 14.4



#80
Butylbenzylphthalate
Concen: 64.342 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:149 Resp: 126206
Ion Ratio Lower Upper
149 100
91 80.3 63.7 95.5
206 19.2 16.2 24.2





#81

Benzo(a)anthracene

Concen: 60.771 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

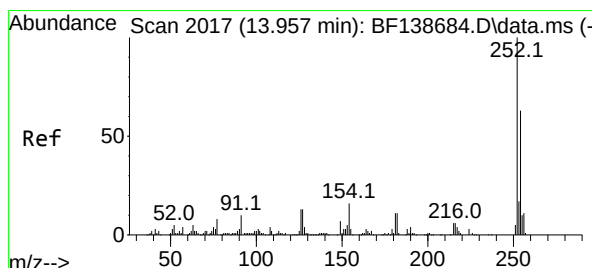
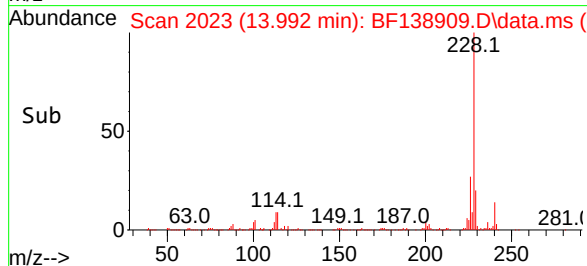
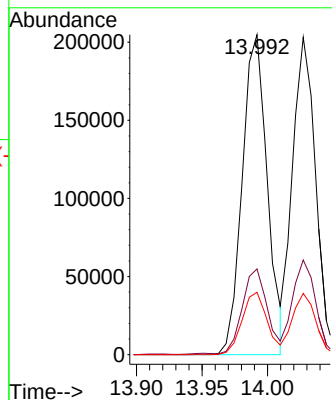
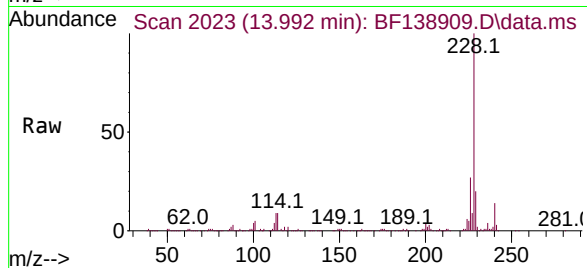
Tgt Ion:228 Resp: 272253

Ion Ratio Lower Upper

228 100

226 26.8 22.1 33.1

229 19.5 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 67.651 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

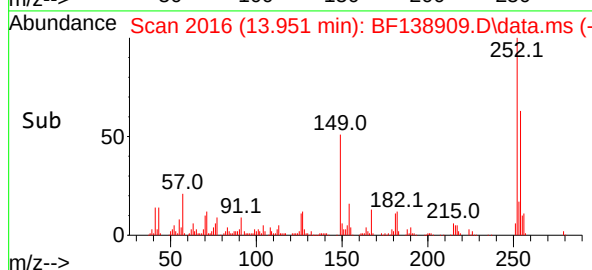
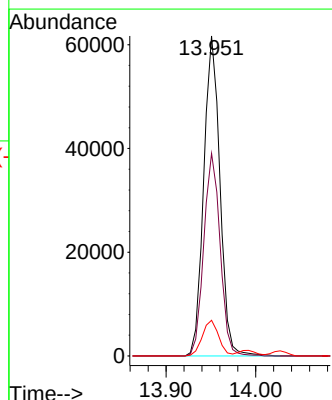
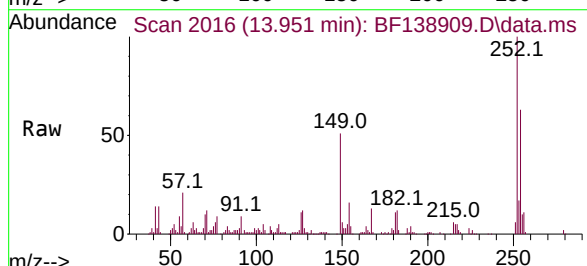
Tgt Ion:252 Resp: 77558

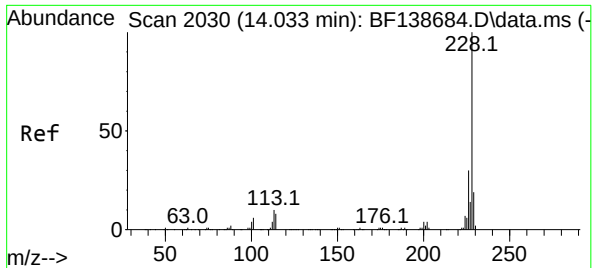
Ion Ratio Lower Upper

252 100

254 63.3 50.8 76.2

126 11.2 10.2 15.2

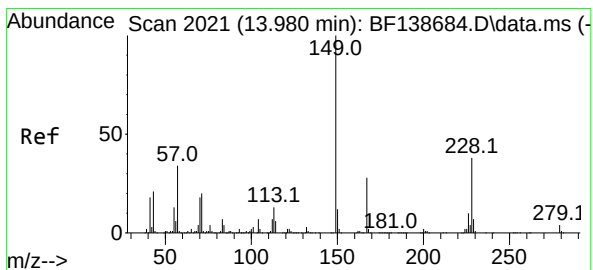
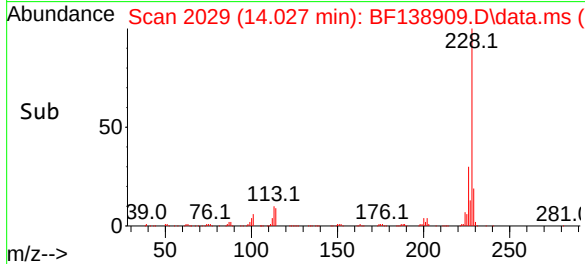
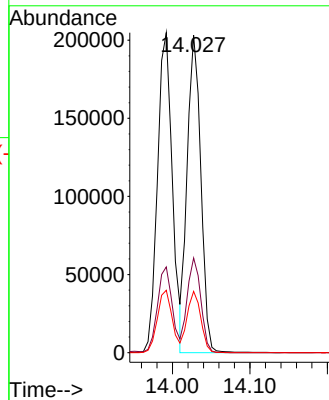
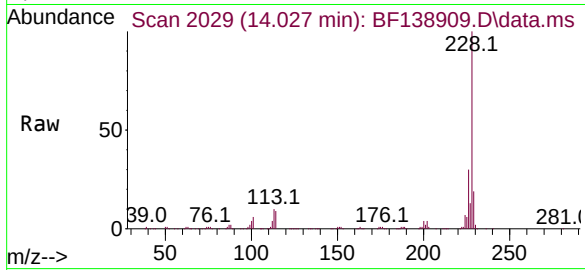




#83
Chrysene
Concen: 61.521 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

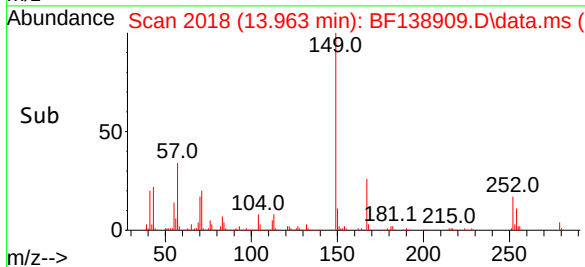
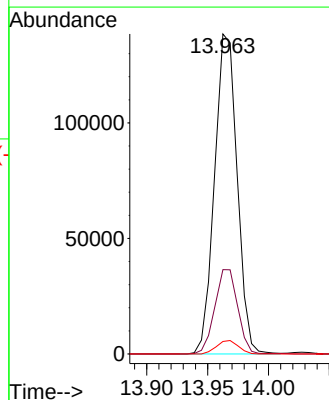
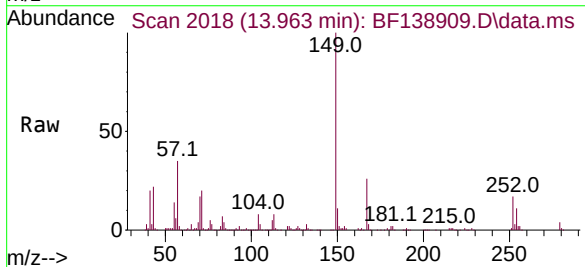
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

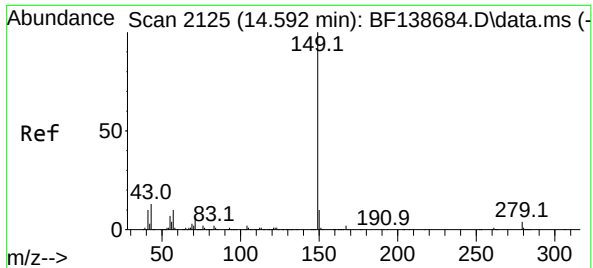
Tgt Ion:	228	Resp:	248656
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	19.3	15.0	22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 62.340 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:	149	Resp:	179058
Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.2	33.4
279	3.9	3.4	5.0

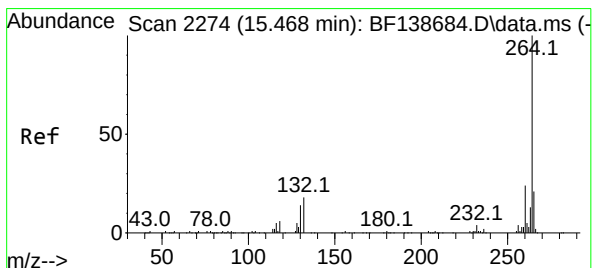
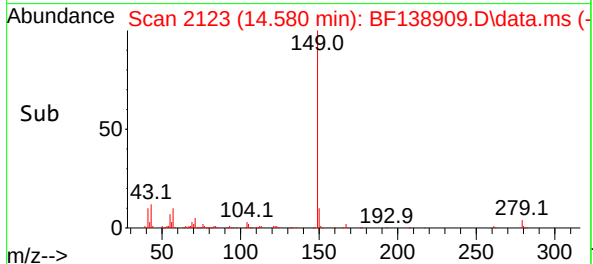
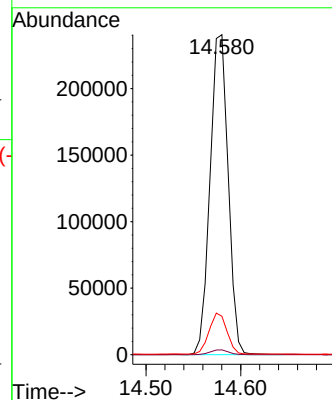
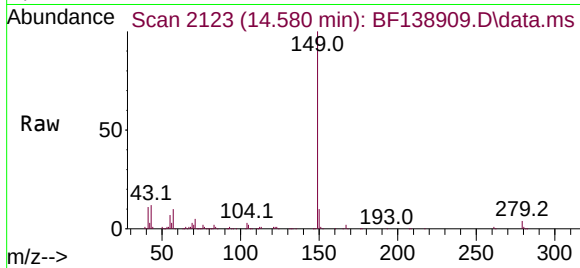




#85
Di-n-octyl phthalate
Concen: 60.041 ng
RT: 14.580 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

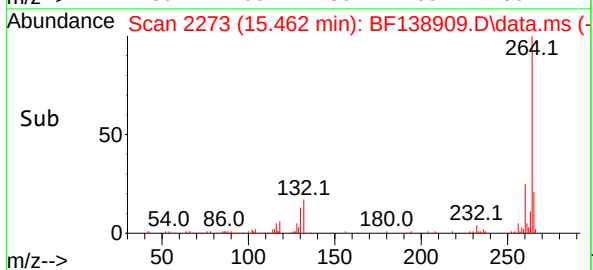
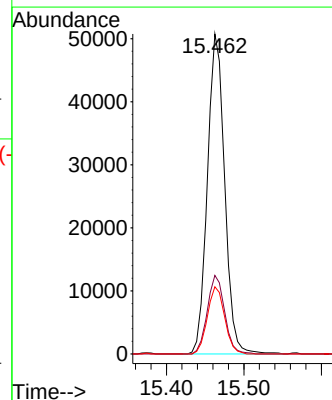
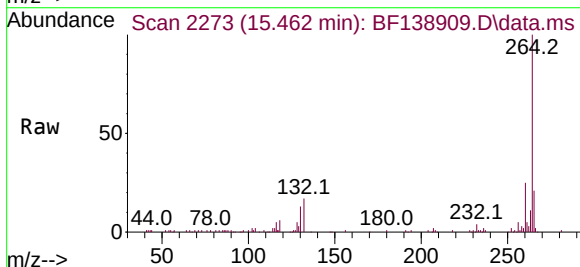
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MS

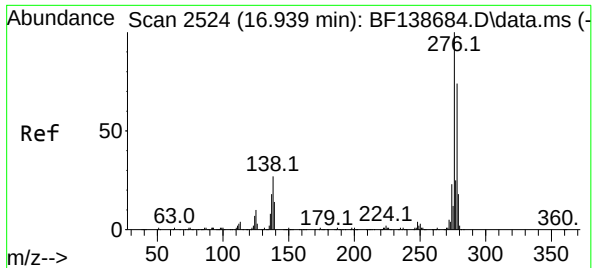
Tgt Ion:149 Resp: 319070
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 12.6 10.4 15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138909.D
Acq: 10 Aug 2024 14:48

Tgt Ion:264 Resp: 78552
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 21.0 17.0 25.6

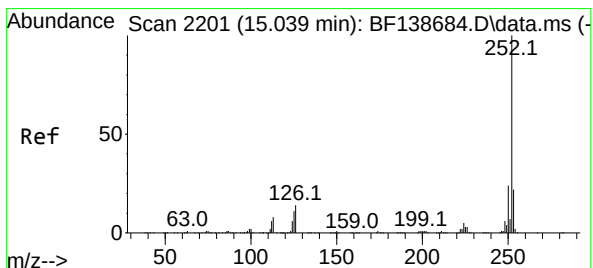
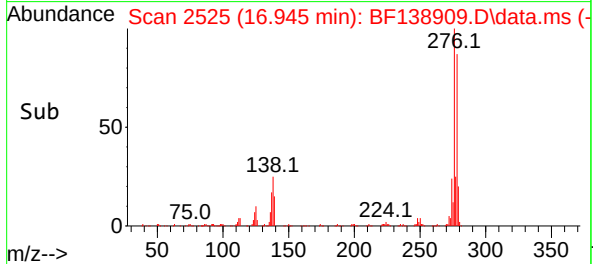
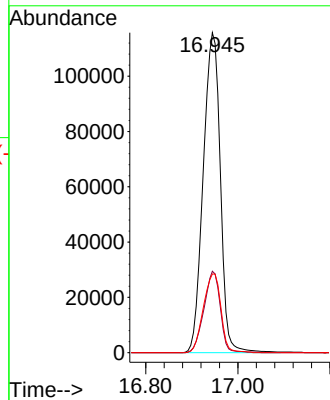
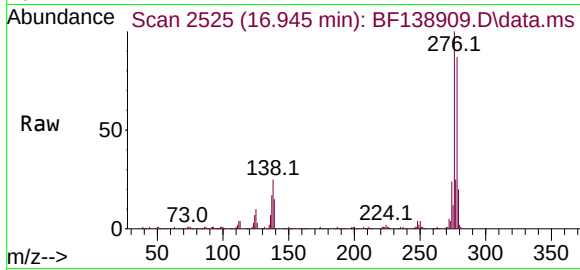




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 53.252 ng
 RT: 16.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF138909.D
 Acq: 10 Aug 2024 14:48

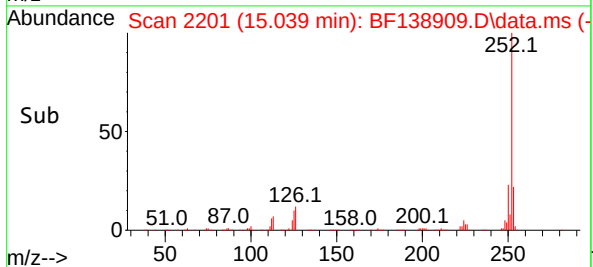
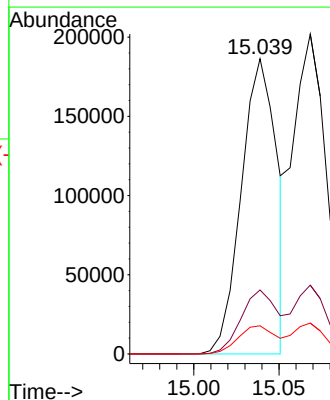
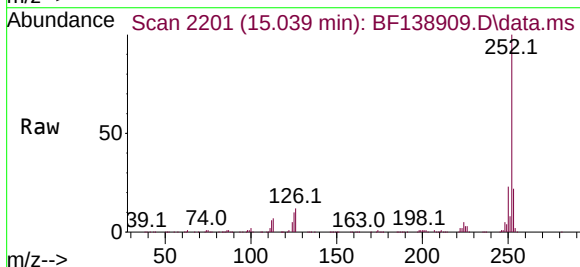
Instrument :
 BNA_F
 ClientSampleId :
 MLS-15-70-85MS

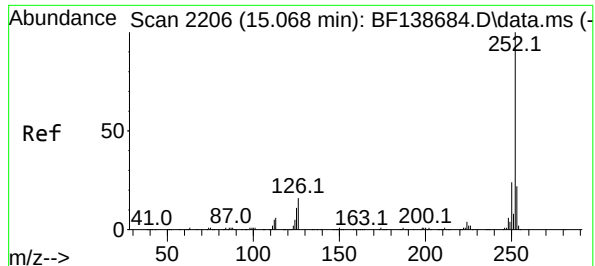
Tgt Ion:276 Resp: 299773
 Ion Ratio Lower Upper
 276 100
 138 24.3 21.8 32.8
 277 25.2 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 55.391 ng
 RT: 15.039 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: BF138909.D
 Acq: 10 Aug 2024 14:48

Tgt Ion:252 Resp: 269722
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.5 26.3
 125 9.5 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 65.346 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

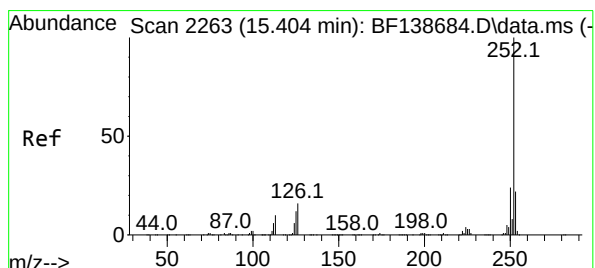
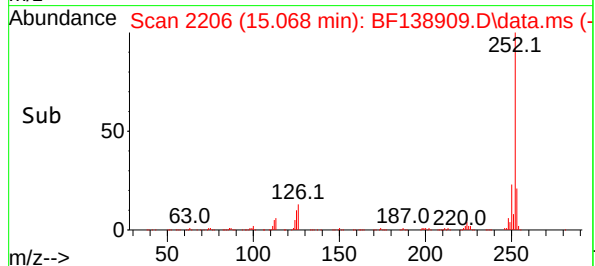
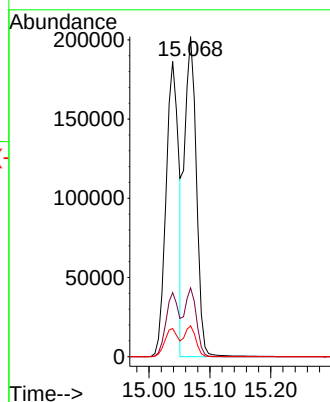
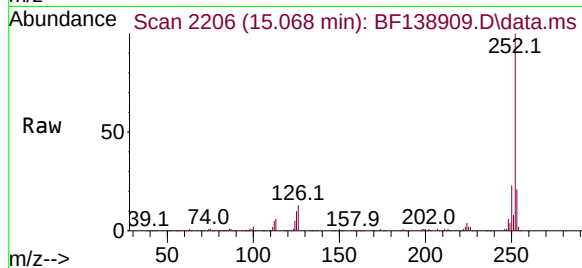
Tgt Ion:252 Resp: 275502

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 9.6 8.6 13.0



#90

Benzo(a)pyrene

Concen: 63.590 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

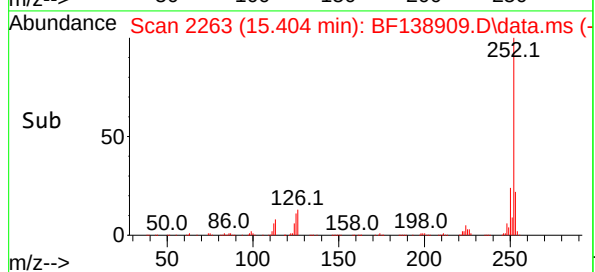
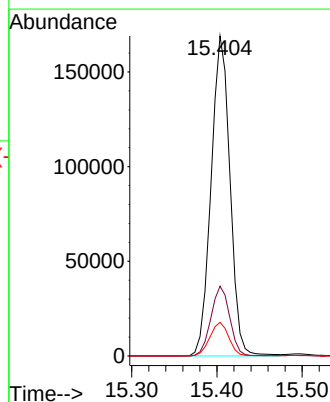
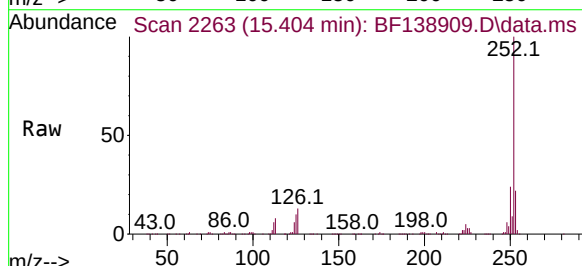
Tgt Ion:252 Resp: 260458

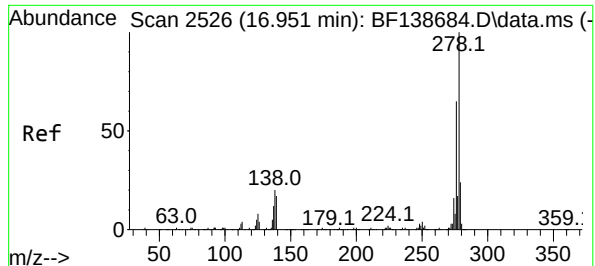
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.5 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 53.210 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MS

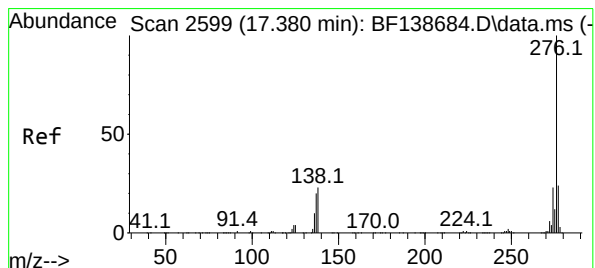
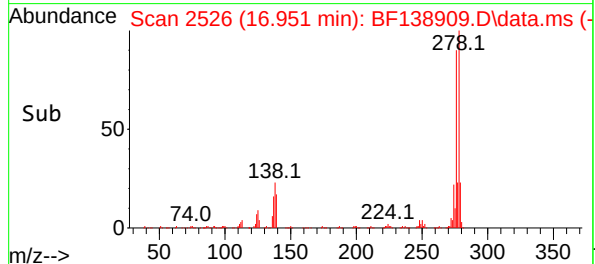
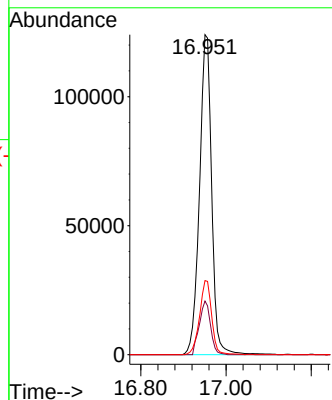
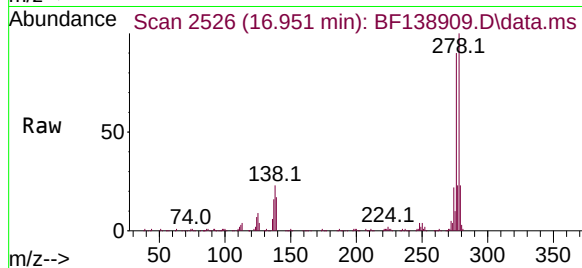
Tgt Ion:278 Resp: 245880

Ion Ratio Lower Upper

278 100

139 16.7 14.0 21.0

279 23.2 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 44.816 ng

RT: 17.386 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF138909.D

Acq: 10 Aug 2024 14:48

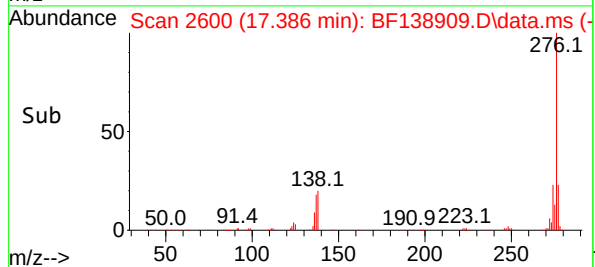
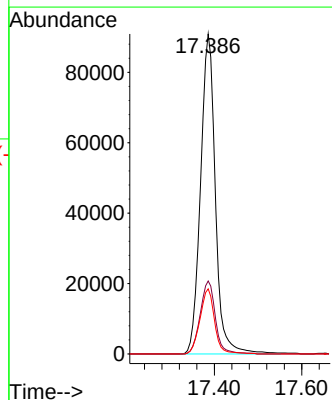
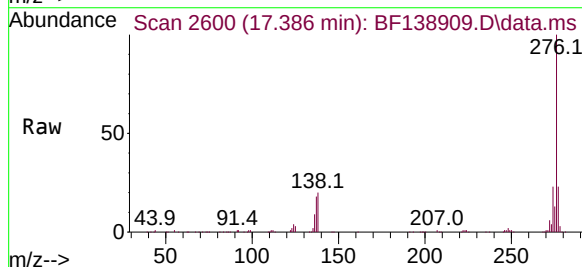
Tgt Ion:276 Resp: 214902

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.4

138 20.3 18.5 27.7



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MSD	SDG No.:	P3429
Lab Sample ID:	P3415-05MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138910.D	1	08/01/24 08:20	08/10/24 15:19	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	17.9		1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.30	J	4.20	10.4	ug/L
95-48-7	2-Methylphenol	40.6		1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	38.4		1.20	10.4	ug/L
67-72-1	Hexachloroethane	44.7		1.10	5.20	ug/L
98-95-3	Nitrobenzene	61.4		1.30	5.20	ug/L
91-20-3	Naphthalene	55.9		1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	49.2		1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	62.5		1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	60.7		0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	58.3		1.10	5.20	ug/L
208-96-8	Acenaphthylene	68.1		1.10	5.20	ug/L
83-32-9	Acenaphthene	61.4		0.84	5.20	ug/L
132-64-9	Dibenzofuran	65.7		0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	68.5		1.60	5.20	ug/L
86-73-7	Fluorene	66.1		1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	65.7		1.20	5.20	ug/L
87-86-5	Pentachlorophenol	91.0	E	1.90	10.4	ug/L
85-01-8	Phenanthrene	67.4		0.93	5.20	ug/L
120-12-7	Anthracene	69.1		1.10	5.20	ug/L
86-74-8	Carbazole	64.4		1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	71.3		1.50	5.20	ug/L
206-44-0	Fluoranthene	59.0		1.30	5.20	ug/L
129-00-0	Pyrene	60.7		1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	67.3		0.98	5.20	ug/L
218-01-9	Chrysene	69.0		0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	67.7		2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	60.9		1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	73.1		1.20	5.20	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/30/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	MLS-15-70-85MSD	SDG No.:	P3429
Lab Sample ID:	P3415-05MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138910.D	1	08/01/24 08:20	08/10/24 15:19	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	69.2		1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	58.6		1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	58.3		1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	49.9		1.20	5.20	ug/L
123-91-1	1,4-Dioxane	19.2		1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	59.2		0.90	5.20	ug/L

SURROGATES

367-12-4	2-Fluorophenol	65.9		15 (10) - 110 (139)	44%	SPK: 150
13127-88-3	Phenol-d6	40.2		15 (10) - 110 (134)	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	117		30 (49) - 130 (133)	117%	SPK: 100
321-60-8	2-Fluorobiphenyl	114		30 (52) - 130 (132)	114%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	127		30 (48) - 130 (125)	127%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	34300	6.839
1146-65-2	Naphthalene-d8	137000	8.122
15067-26-2	Acenaphthene-d10	78400	9.875
1517-22-2	Phenanthrene-d10	126000	11.363
1719-03-5	Chrysene-d12	61800	14.004
1520-96-3	Perylene-d12	75400	15.462

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_F\Data\BF081024\
 Data File : BF138910.D
 Acq On : 10 Aug 2024 15:19
 Operator : RC/JU
 Sample : P3415-05MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MLS-15-70-85MSD

Quant Time: Aug 12 01:15:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	34319	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	136930	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	78360	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	126223	20.000	ng	0.00
76) Chrysene-d12	14.004	240	61844	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	75440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	146609	65.944	ng	0.00
7) Phenol-d6	6.481	99	119931	40.179	ng	0.00
23) Nitrobenzene-d5	7.410	82	328961	117.457	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	110307	171.852	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	596395	114.355	ng	0.00
79) Terphenyl-d14	12.939	244	467324	126.516	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	17933	18.424	ng	# 96
3) Pyridine	3.393	79	40517	17.184	ng	# 93
4) n-Nitrosodimethylamine	3.334	42	35407	25.213	ng	88
6) Aniline	6.504	93	101978	38.309	ng	98
8) 2-Chlorophenol	6.634	128	113652	48.588	ng	96
9) Benzaldehyde	6.398	77	7361	4.114	ng	96
10) Phenol	6.498	94	53850	17.135	ng	# 28
11) bis(2-Chloroethyl)ether	6.575	93	134856	55.761	ng	99
12) 1,3-Dichlorobenzene	6.781	146	115351	44.055	ng	99
13) 1,4-Dichlorobenzene	6.857	146	120754	45.699	ng	99
14) 1,2-Dichlorobenzene	7.010	146	115518	46.778	ng	99
15) Benzyl Alcohol	6.987	79	86092	40.017	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	226127	54.330	ng	72
17) 2-Methylphenol	7.104	107	75356	39.014	ng	# 76
18) Hexachloroethane	7.345	117	42654	42.883	ng	97
19) n-Nitroso-di-n-propyla...	7.257	70	115206	63.903	ng	98
20) 3+4-Methylphenols	7.257	107	91451	36.902	ng	# 81
22) Acetophenone	7.251	105	200827	59.900	ng	96
24) Nitrobenzene	7.428	77	168103	58.985	ng	100
25) Isophorone	7.663	82	306004	63.987	ng	99
26) 2-Nitrophenol	7.739	139	74274	60.576	ng	91
27) 2,4-Dimethylphenol	7.781	122	88603	60.397	ng	96
28) bis(2-Chloroethoxy)met...	7.869	93	175308	60.196	ng	98
29) 2,4-Dichlorophenol	7.986	162	110771	58.761	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	111789	51.387	ng	99
31) Naphthalene	8.145	128	386676	53.649	ng	100
32) Benzoic acid	7.904	122	10776	9.345	ng	90
33) 4-Chloroaniline	8.198	127	119569	49.421	ng	98
34) Hexachlorobutadiene	8.251	225	62246	47.240	ng	99
35) Caprolactam	8.581	113	5294	9.412	ng	96
36) 4-Chloro-3-methylphenol	8.681	107	120986	56.158	ng	98
37) 2-Methylnaphthalene	8.833	142	273197	60.017	ng	100
38) 1-Methylnaphthalene	8.933	142	253356	56.800	ng	100
40) 1,2,4,5-Tetrachloroben...	8.998	216	117267	53.873	ng	99
41) Hexachlorocyclopentadiene	8.980	237	59923	101.915	ng	97
43) 2,4,6-Trichlorophenol	9.116	196	77296	58.240	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138910.D
 Acq On : 10 Aug 2024 15:19
 Operator : RC/JU
 Sample : P3415-05MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MLS-15-70-85MSD

Quant Time: Aug 12 01:15:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

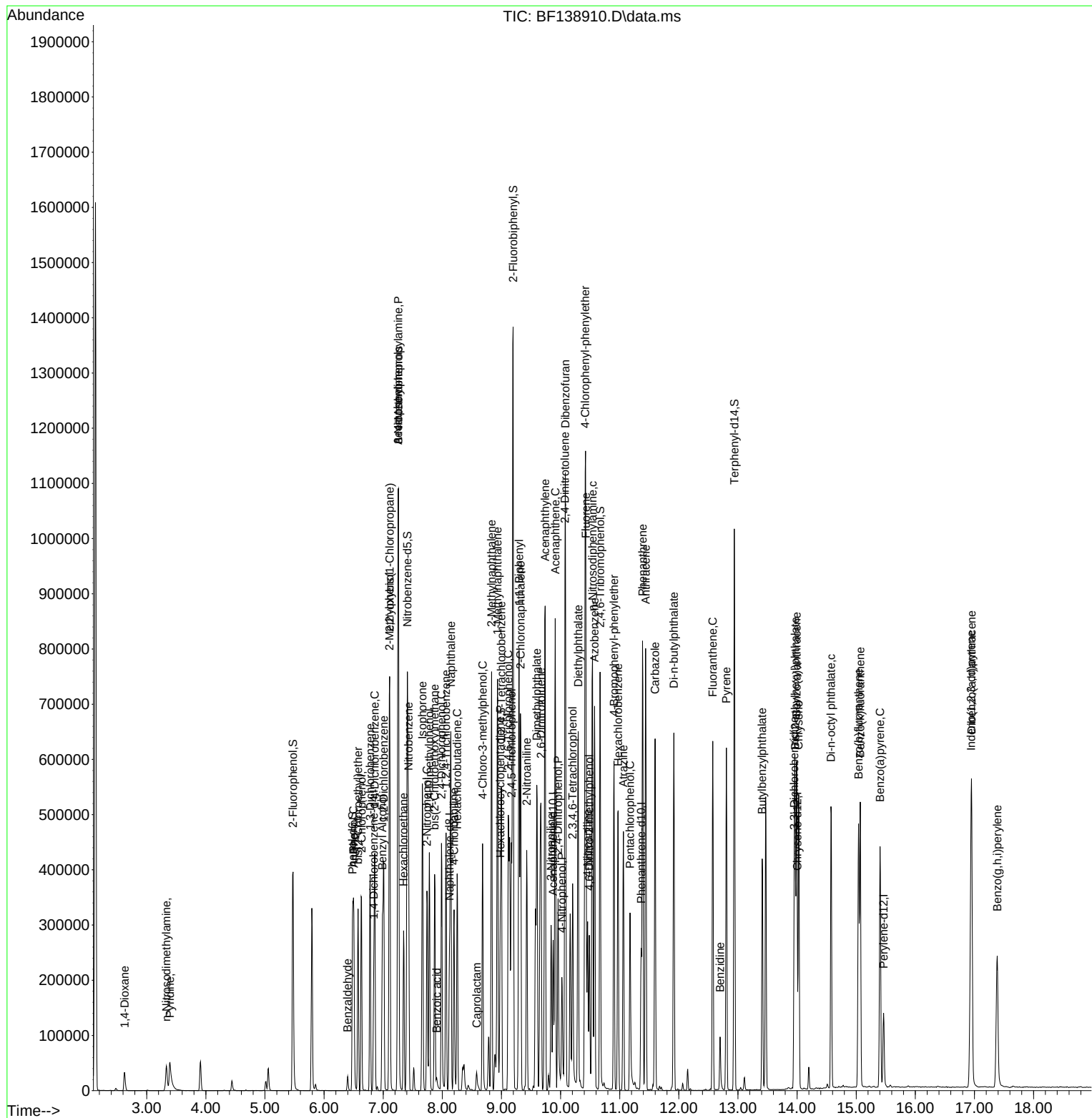
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	81165	55.941	ng	99
46) 1,1'-Biphenyl	9.298	154	334615	54.524	ng	99
47) 2-Chloronaphthalene	9.322	162	261936	57.388	ng	98
48) 2-Nitroaniline	9.428	65	100500	64.950	ng	98
49) Acenaphthylene	9.739	152	423271	65.385	ng	100
50) Dimethylphthalate	9.598	163	323255	64.516	ng	100
51) 2,6-Dinitrotoluene	9.669	165	70884	62.687	ng	90
52) Acenaphthene	9.910	154	256650	58.978	ng	100
53) 3-Nitroaniline	9.839	138	54781	46.863	ng	96
54) 2,4-Dinitrophenol	9.957	184	58919	113.191	ng	86
55) Dibenzofuran	10.080	168	387646	63.106	ng	98
56) 4-Nitrophenol	10.022	139	15355	21.844	ng	# 81
57) 2,4-Dinitrotoluene	10.075	165	94920	65.795	ng	# 86
58) Fluorene	10.427	166	310531	63.481	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	65463	59.016	ng	93
60) Diethylphthalate	10.298	149	321410	67.654	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	152513	63.393	ng	98
62) 4-Nitroaniline	10.457	138	64247	57.835	ng	90
63) Azobenzene	10.575	77	329824	62.596	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	48982	63.607	ng	93
66) n-Nitrosodiphenylamine	10.539	169	262682	66.578	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	86630	63.391	ng	97
68) Hexachlorobenzene	10.974	284	89039	63.102	ng	97
69) Atrazine	11.063	200	76382	75.036	ng	99
70) Pentachlorophenol	11.174	266	55582	87.392	ng	96
71) Phenanthrene	11.386	178	420471	64.693	ng	99
72) Anthracene	11.439	178	424700	66.329	ng	99
73) Carbazole	11.598	167	341348	61.793	ng	99
74) Di-n-butylphthalate	11.916	149	424896	68.422	ng	100
75) Fluoranthene	12.574	202	343933	56.683	ng	98
77) Benzidine	12.698	184	52963	35.805	ng	98
78) Pyrene	12.804	202	339029	58.224	ng	100
80) Butylbenzylphthalate	13.410	149	127185	68.209	ng	99
81) Benzo(a)anthracene	13.992	228	274945	64.561	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	77785	71.374	ng	99
83) Chrysene	14.027	228	254507	66.240	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	177348	64.952	ng	99
85) Di-n-octyl phthalate	14.574	149	322301	63.800	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	304166	56.261	ng	97
88) Benzo(b)fluoranthene	15.039	252	273251	58.430	ng	98
89) Benzo(k)fluoranthene	15.068	252	284230	70.197	ng	98
90) Benzo(a)pyrene	15.404	252	261332	66.435	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	248466	55.987	ng	97
92) Benzo(g,h,i)perylene	17.386	276	220649	47.913	ng	95

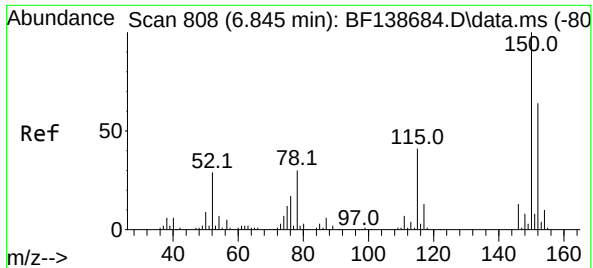
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Data File : BF138910.D  
Acq On    : 10 Aug 2024  15:19  
Operator  : RC/JU  
Sample    : P3415-05MSD  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

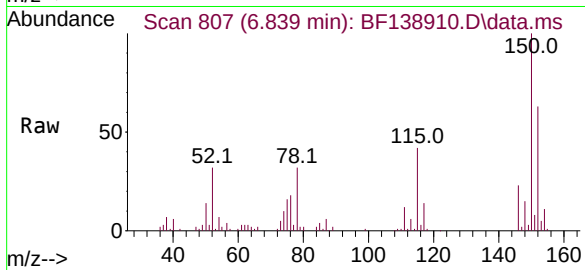
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



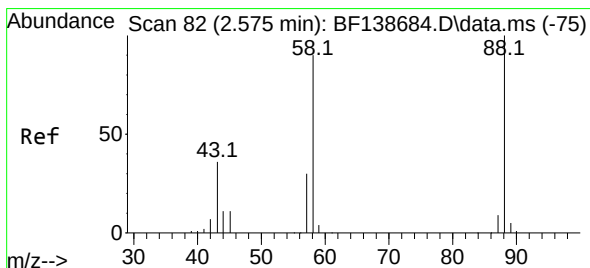
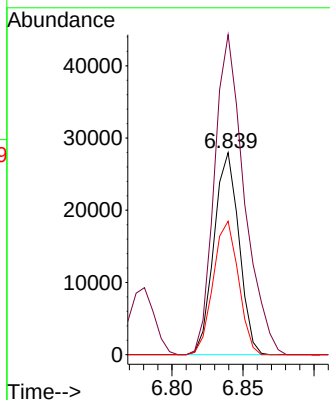
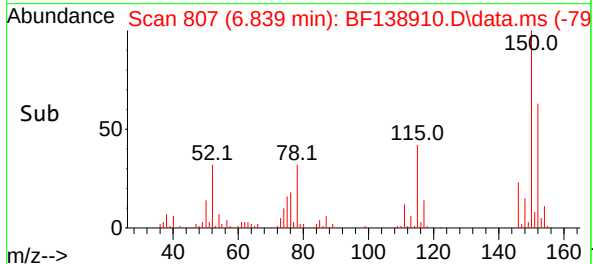


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

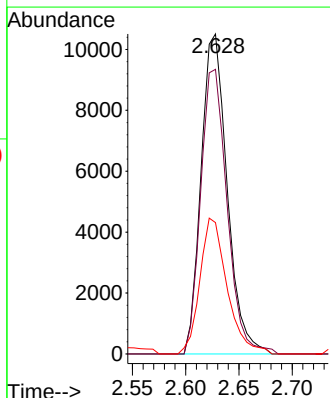
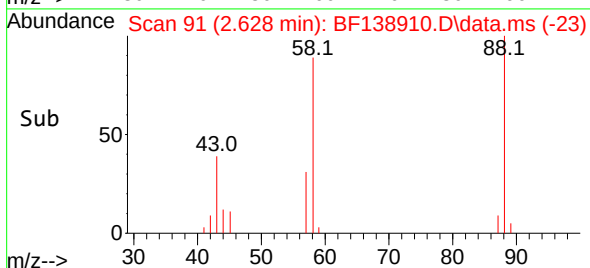
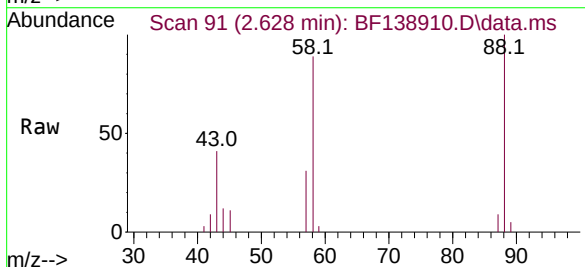


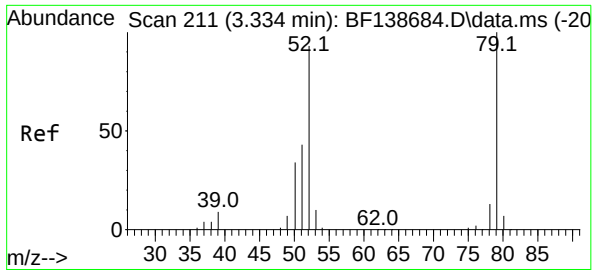
Tgt Ion:152 Resp: 34319
Ion Ratio Lower Upper
152 100
150 158.3 126.0 189.0
115 66.0 51.7 77.5



#2
1,4-Dioxane
Concen: 18.424 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.053 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 88 Resp: 17933
Ion Ratio Lower Upper
88 100
58 90.0 71.6 107.4
43 44.3 28.7 43.1#

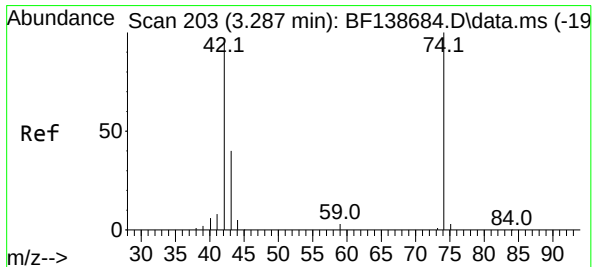
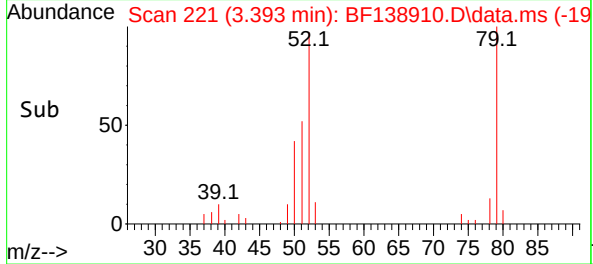
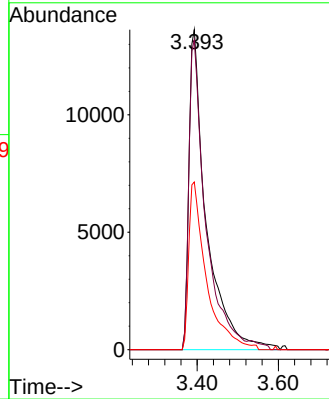
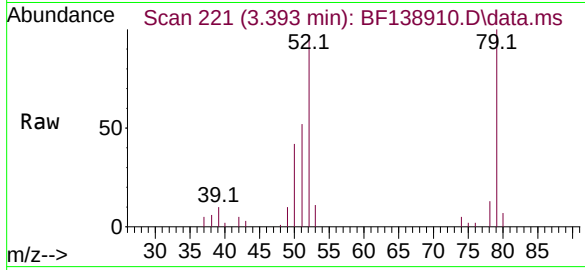




#3
Pyridine
Concen: 17.184 ng
RT: 3.393 min Scan# 211
Delta R.T. 0.059 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

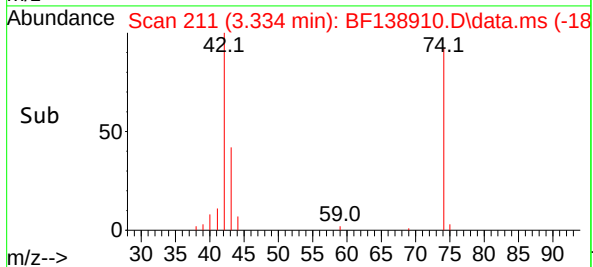
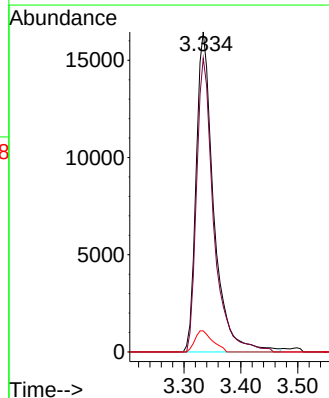
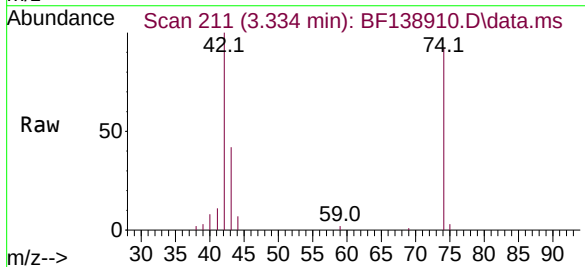
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

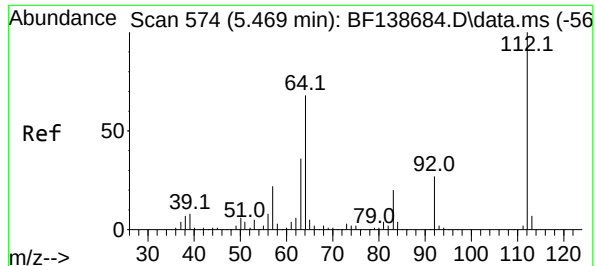
Tgt Ion: 79 Resp: 40517
Ion Ratio Lower Upper
79 100
52 96.8 74.7 112.1
51 52.4 34.6 51.8#



#4
n-Nitrosodimethylamine
Concen: 25.213 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 42 Resp: 35407
Ion Ratio Lower Upper
42 100
74 91.8 84.2 126.4
44 6.6 4.9 7.3

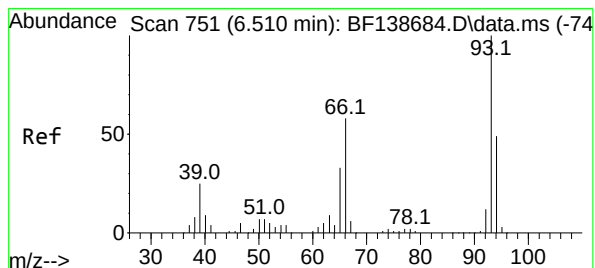
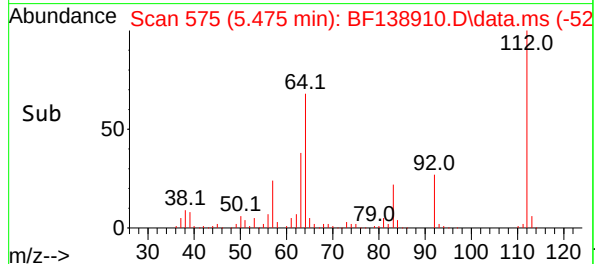
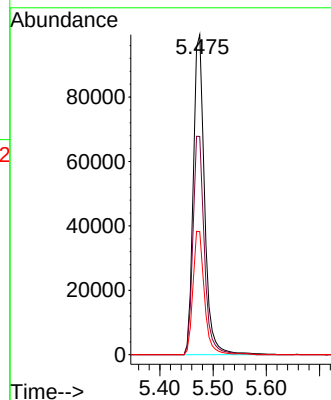
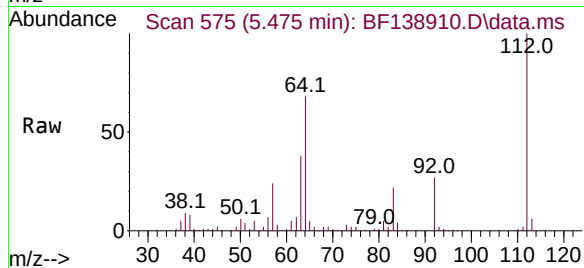




#5
2-Fluorophenol
Concen: 65.944 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

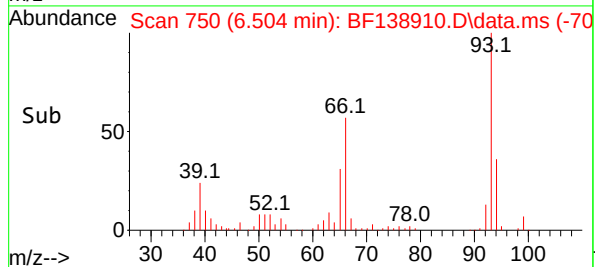
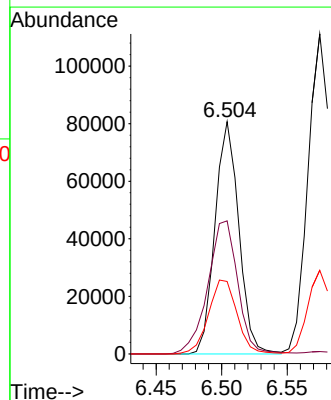
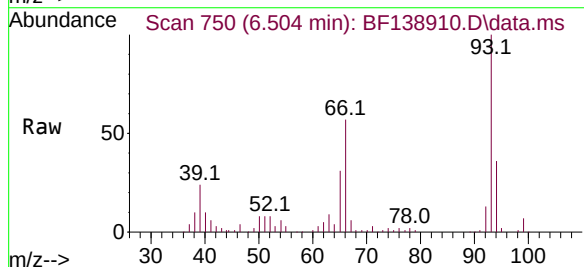
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

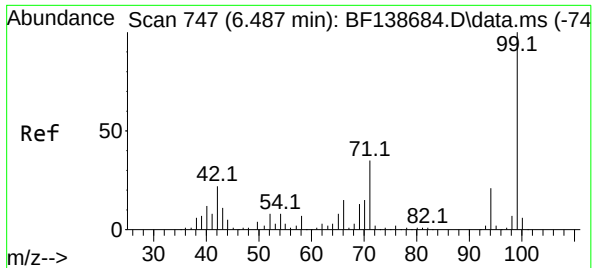
Tgt Ion:112 Resp: 146609
Ion Ratio Lower Upper
112 100
64 68.2 54.2 81.4
63 38.4 28.7 43.1



#6
Aniline
Concen: 38.309 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 93 Resp: 101978
Ion Ratio Lower Upper
93 100
66 57.3 46.9 70.3
65 31.2 26.5 39.7

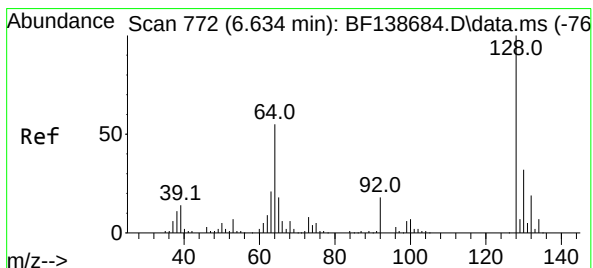
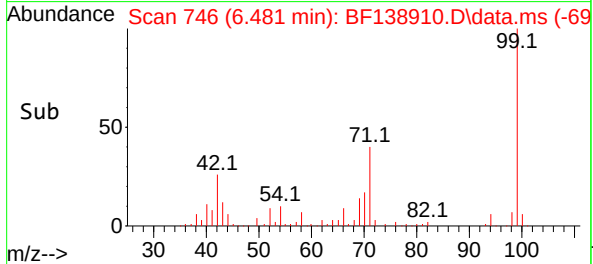
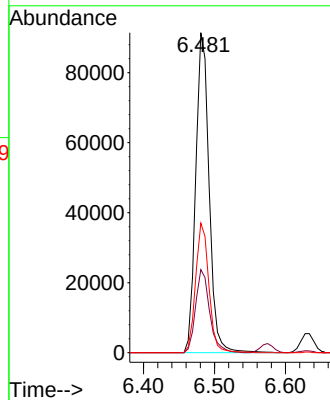
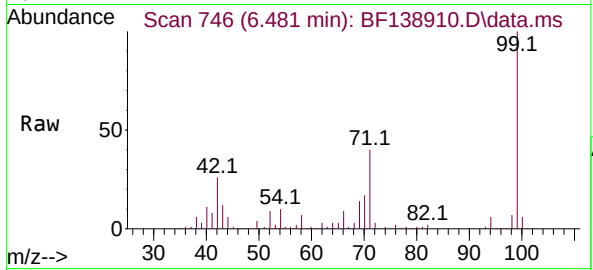




#7
Phenol-d6
Concen: 40.179 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

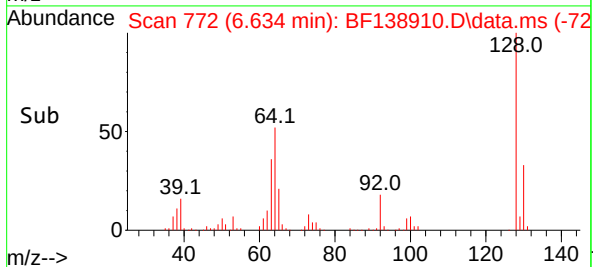
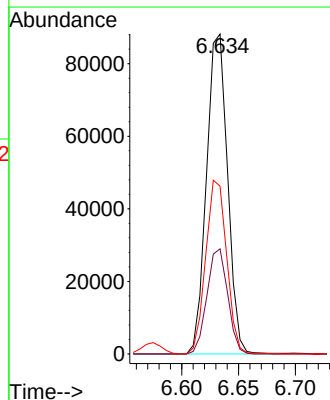
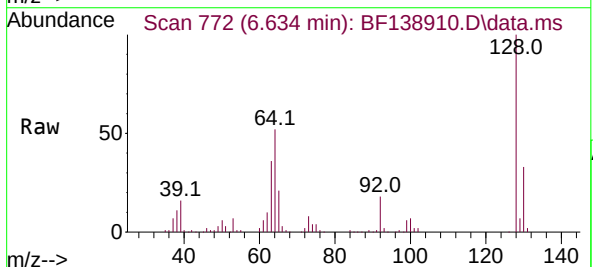
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

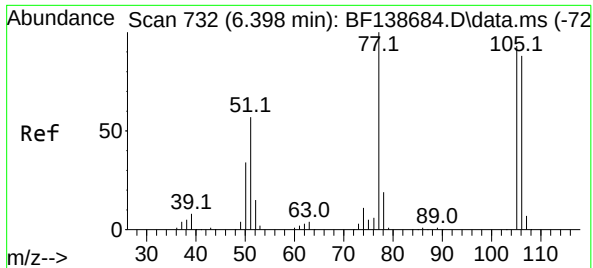
Tgt Ion: 99 Resp: 119931
Ion Ratio Lower Upper
99 100
42 25.9 17.4 26.0
71 40.5 28.1 42.1



#8
2-Chlorophenol
Concen: 48.588 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 128 Resp: 113652
Ion Ratio Lower Upper
128 100
130 32.9 12.0 52.0
64 52.5 36.3 76.3

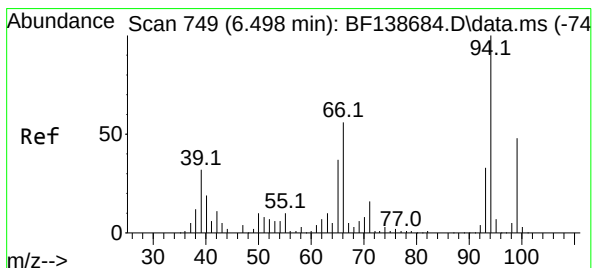
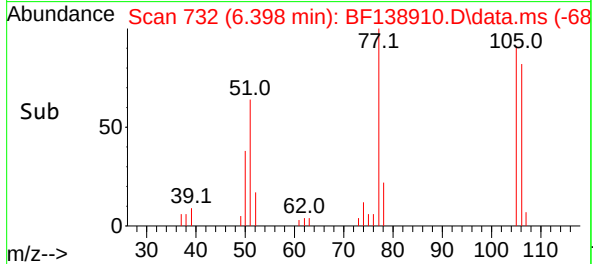
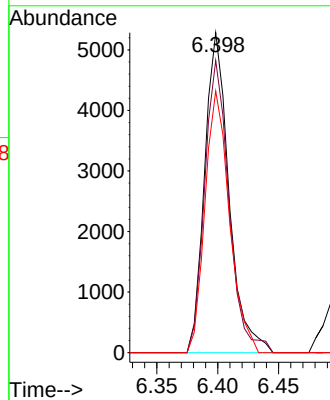
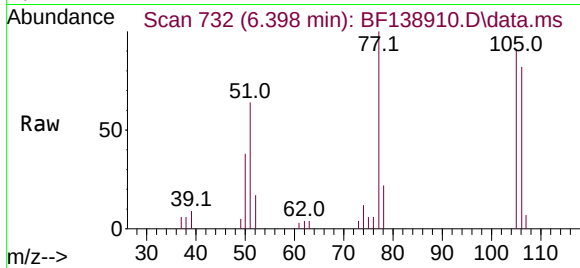




#9
Benzaldehyde
Concen: 4.114 ng
RT: 6.398 min Scan# 732
Delta R.T. 0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

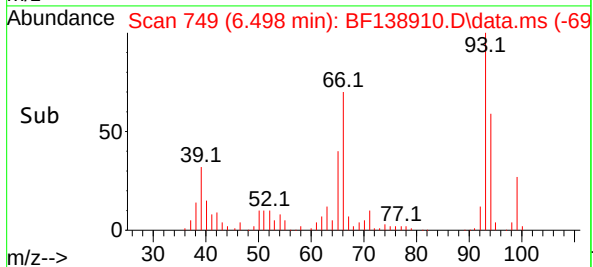
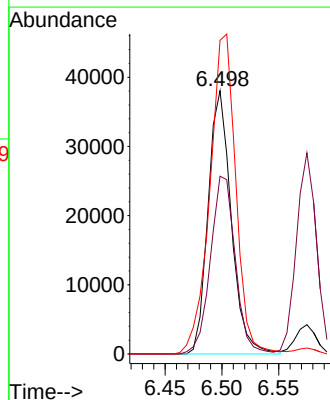
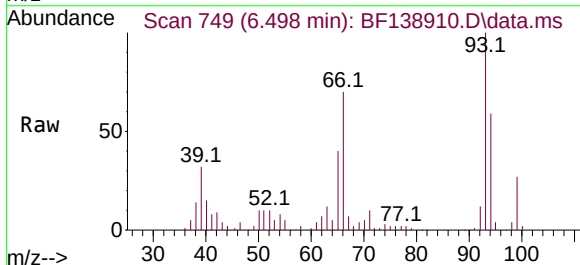
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

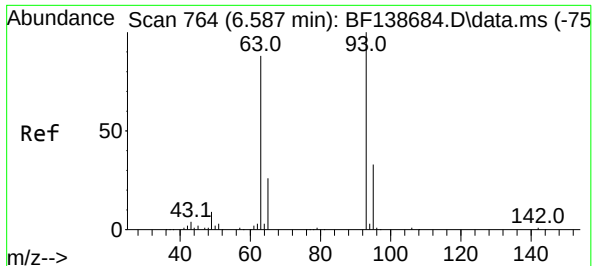
Tgt Ion: 77 Resp: 7361
Ion Ratio Lower Upper
77 100
105 91.3 72.9 112.9
106 81.7 68.4 108.4



#10
Phenol
Concen: 17.135 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 94 Resp: 53850
Ion Ratio Lower Upper
94 100
65 67.5 16.9 56.9#
66 119.1 36.5 76.5#

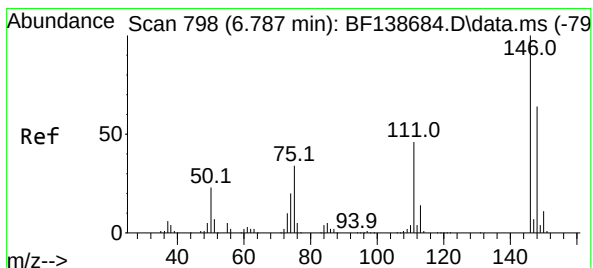
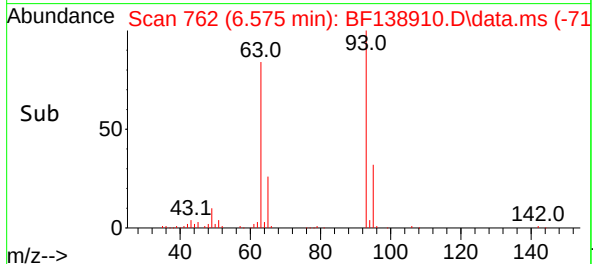
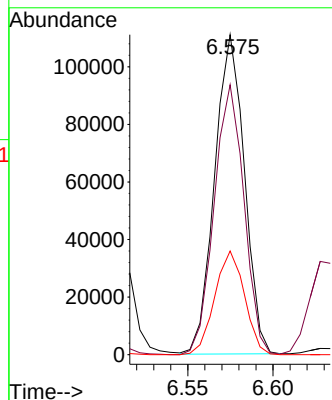
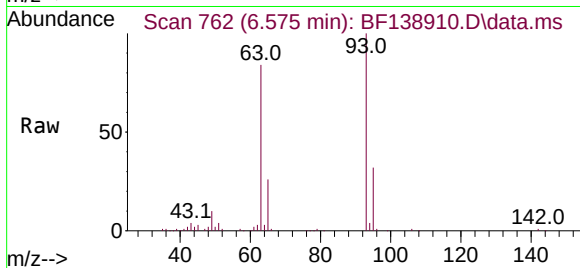




#11
bis(2-Chloroethyl)ether
Concen: 55.761 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

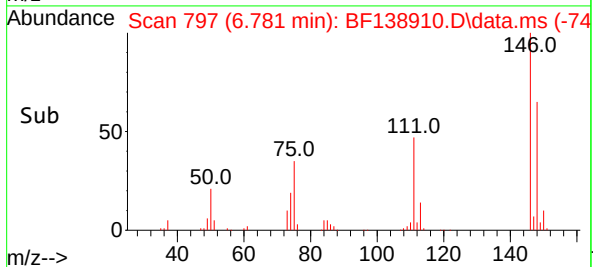
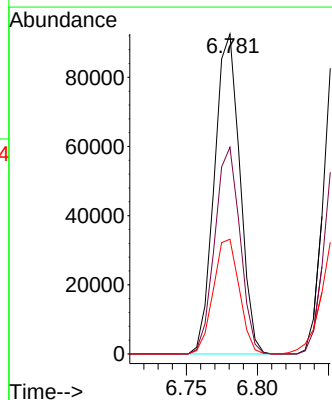
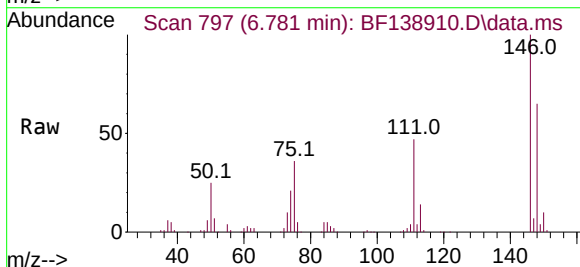
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

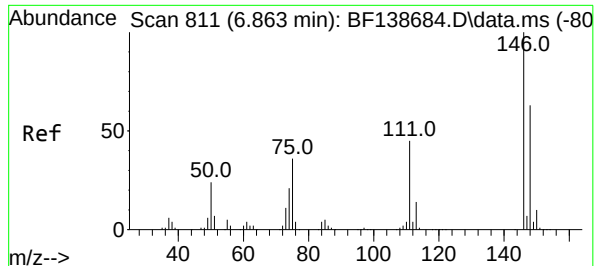
Tgt Ion: 93 Resp: 134856
Ion Ratio Lower Upper
93 100
63 84.3 65.3 105.3
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 44.055 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 146 Resp: 115351
Ion Ratio Lower Upper
146 100
148 64.6 51.2 76.8
75 35.9 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 45.699 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

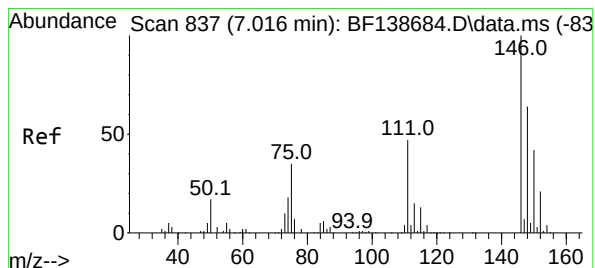
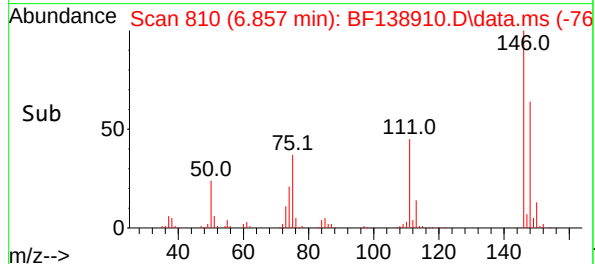
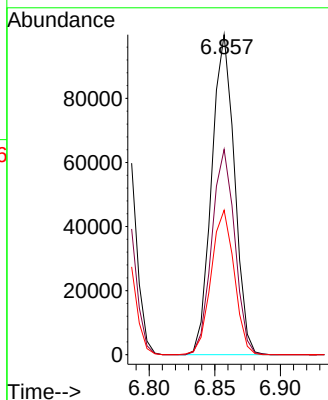
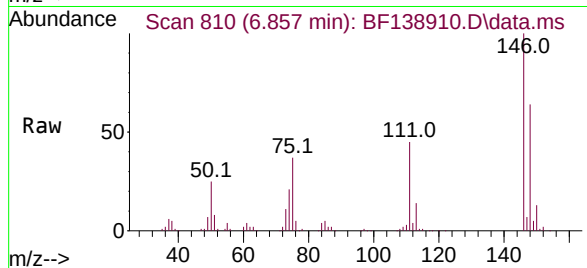
Tgt Ion:146 Resp: 120754

Ion Ratio Lower Upper

146 100

148 64.2 50.2 75.2

111 45.2 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 46.778 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

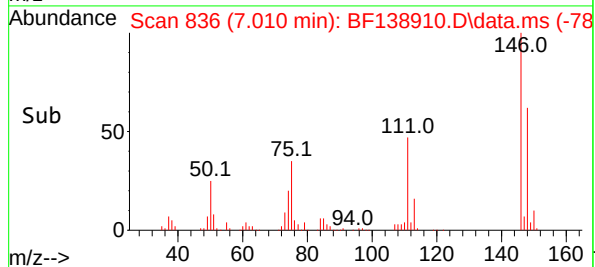
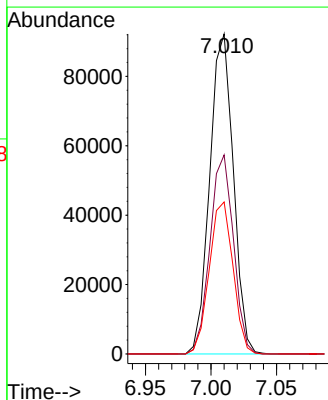
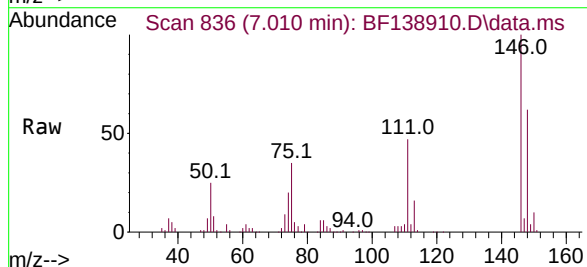
Tgt Ion:146 Resp: 115518

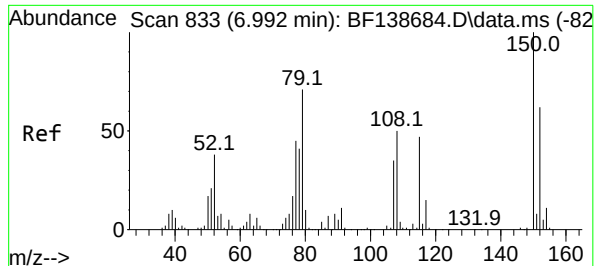
Ion Ratio Lower Upper

146 100

148 62.2 50.8 76.2

111 47.5 37.4 56.2





#15

Benzyl Alcohol

Concen: 40.017 ng

RT: 6.987 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

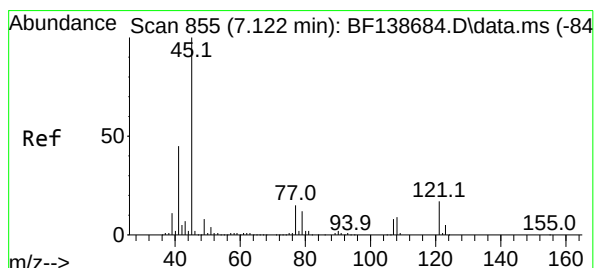
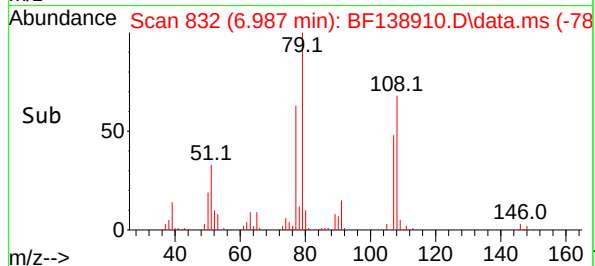
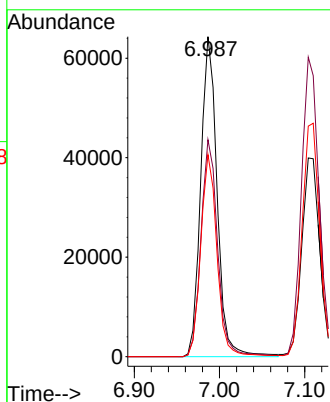
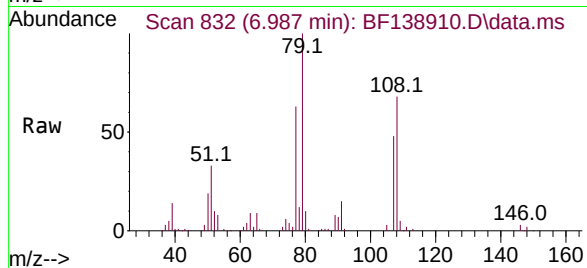
Tgt Ion: 79 Resp: 86092

Ion Ratio Lower Upper

79 100

108 67.8 56.6 85.0

77 63.2 50.3 75.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 54.330 ng

RT: 7.110 min Scan# 853

Delta R.T. -0.012 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

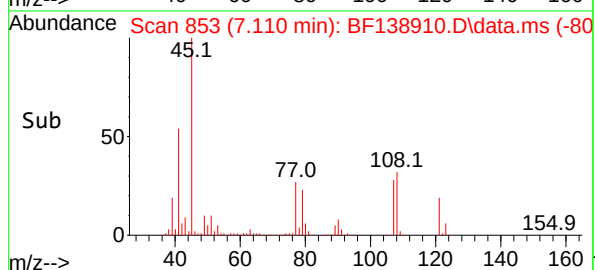
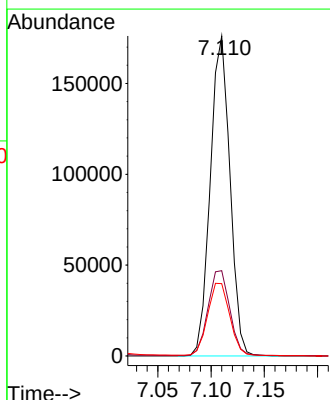
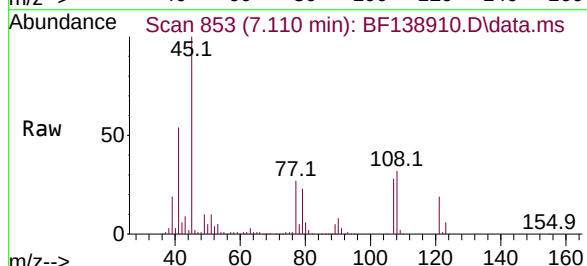
Tgt Ion: 45 Resp: 226127

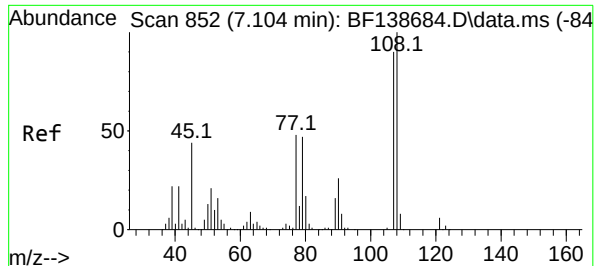
Ion Ratio Lower Upper

45 100

77 26.6 0.0 34.9

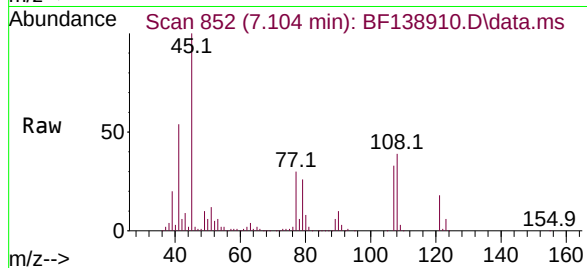
79 22.6 0.0 32.2



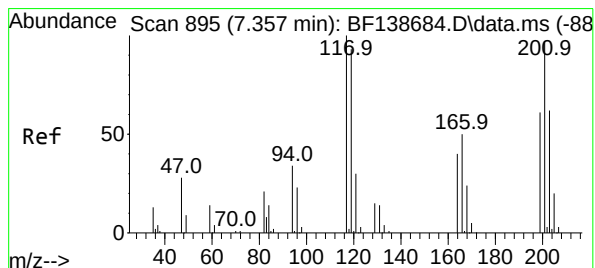
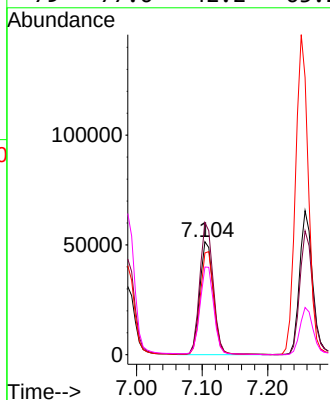
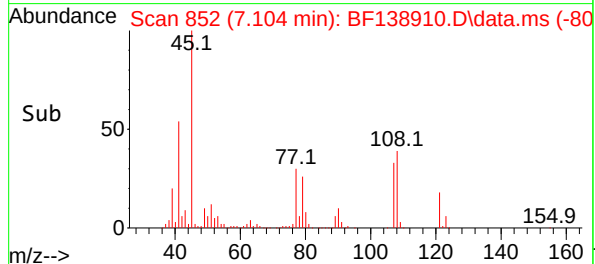


#17
2-Methylphenol
Concen: 39.014 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

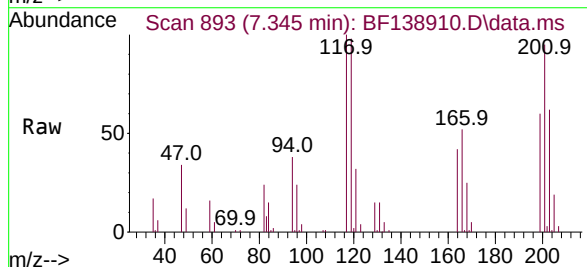
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD



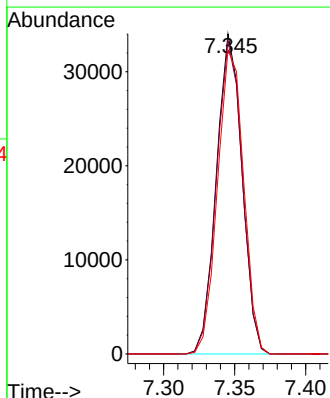
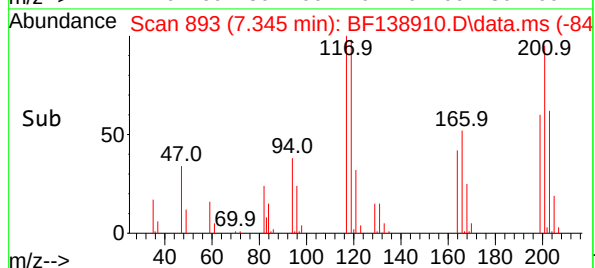
Tgt Ion:107 Resp: 75356
Ion Ratio Lower Upper
107 100
108 116.9 89.2 133.8
77 90.0 43.0 64.4#
79 77.6 42.2 63.2#

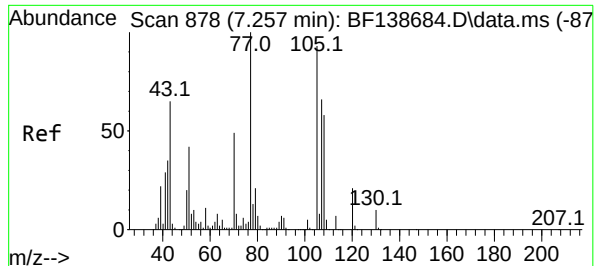


#18
Hexachloroethane
Concen: 42.883 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19



Tgt Ion:117 Resp: 42654
Ion Ratio Lower Upper
117 100
119 97.8 74.6 111.8
201 95.0 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 63.903 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138910.D

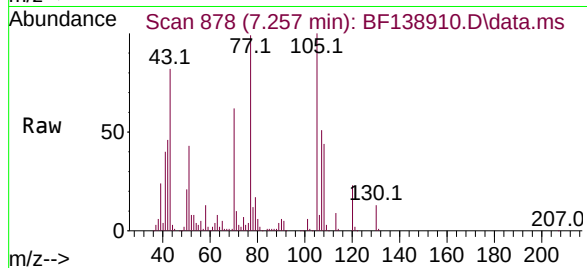
Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

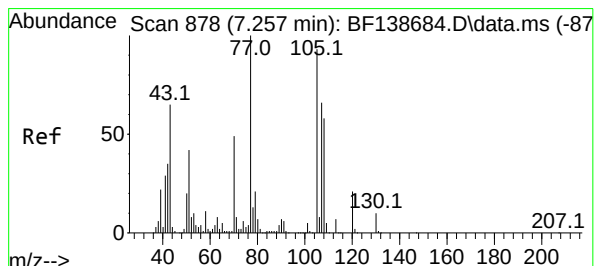
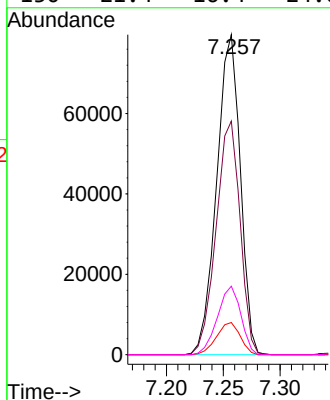
ClientSampleId :

MLS-15-70-85MSD



Tgt Ion: 70 Resp: 115206

Ion	Ratio	Lower	Upper
70	100		
42	73.0	57.4	86.0
101	10.0	7.5	11.3
130	21.4	16.4	24.6



#20

3+4-Methylphenols

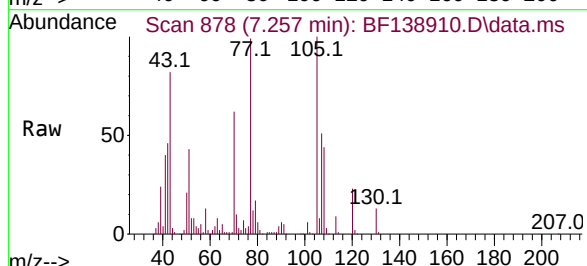
Concen: 36.902 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

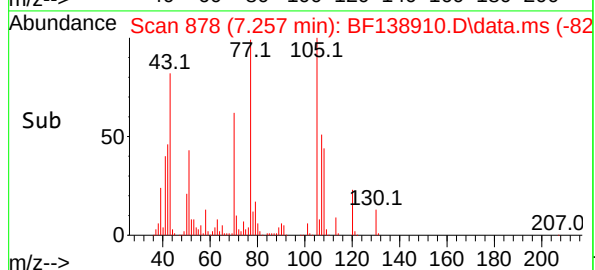
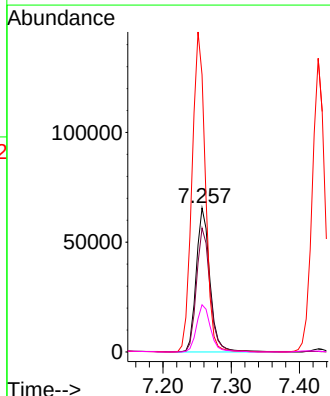
Lab File: BF138910.D

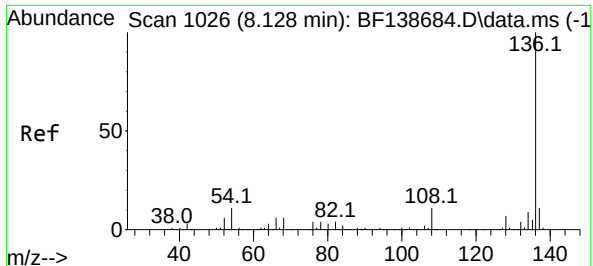
Acq: 10 Aug 2024 15:19



Tgt Ion: 107 Resp: 91451

Ion	Ratio	Lower	Upper
107	100		
108	86.0	68.2	108.2
77	192.4	132.1	172.1#
79	32.7	11.5	51.5

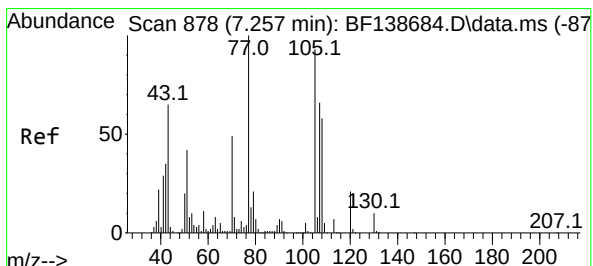
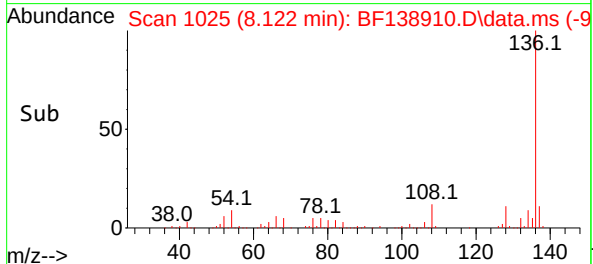
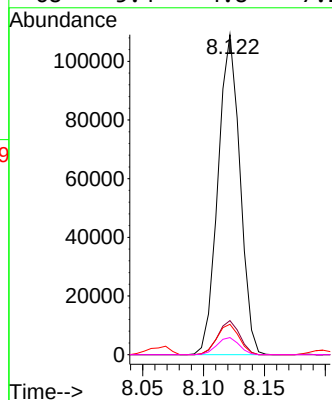
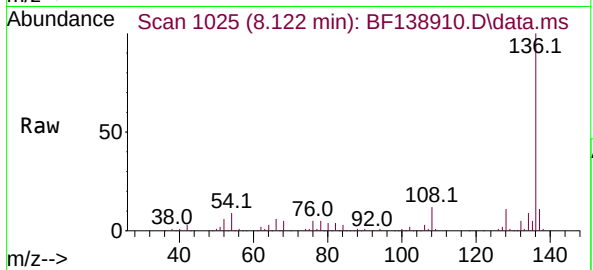




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

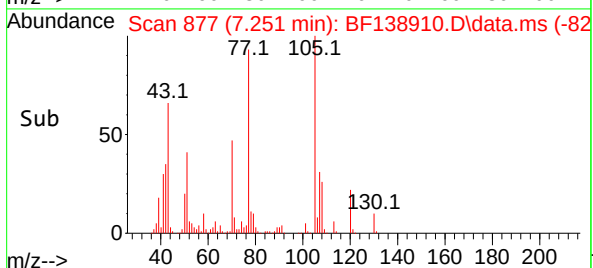
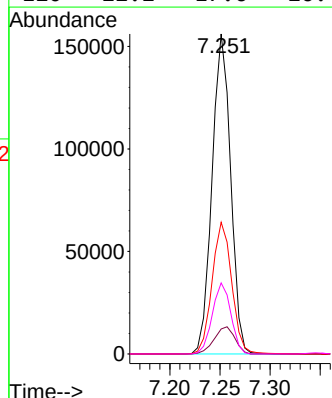
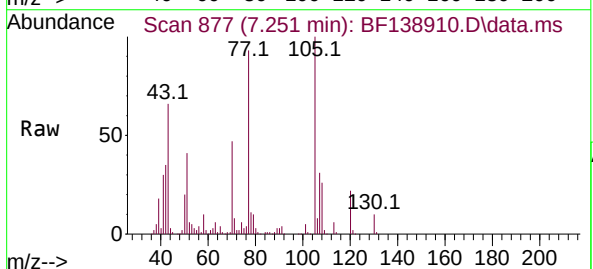
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

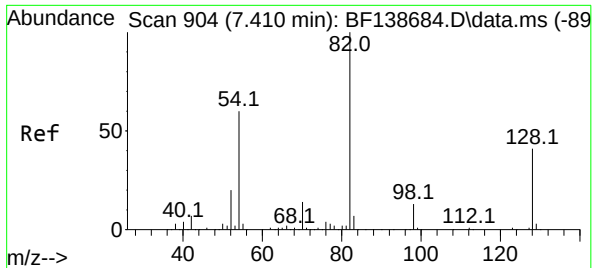
Tgt Ion:136	Resp: 136930
Ion Ratio	Lower Upper
136	100
137	10.7 8.9 13.3
54	9.5 8.6 12.8
68	5.4 4.8 7.2



#22
Acetophenone
Concen: 59.900 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:105	Resp: 200827
Ion Ratio	Lower Upper
105	100
71	7.8 7.2 10.8
51	41.2 35.9 53.9
120	22.2 17.6 26.4





#23

Nitrobenzene-d5

Concen: 117.457 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

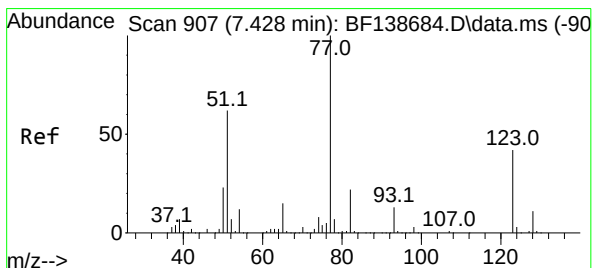
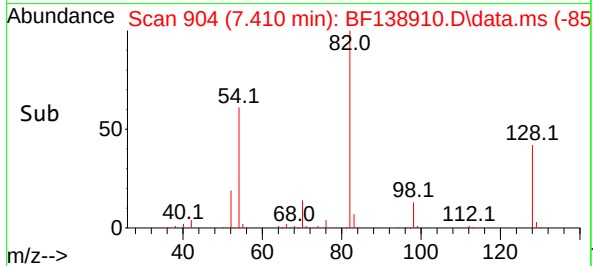
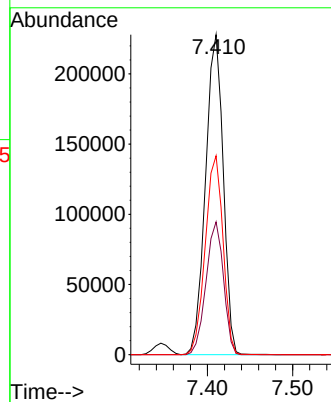
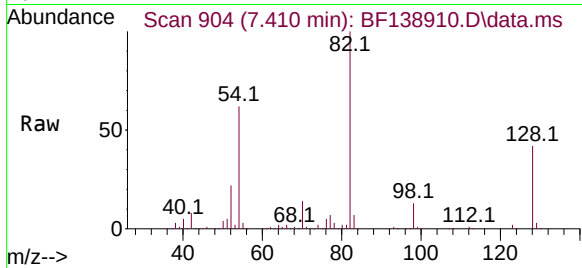
Tgt Ion: 82 Resp: 328961

Ion Ratio Lower Upper

82 100

128 41.5 32.8 49.2

54 62.2 48.3 72.5



#24

Nitrobenzene

Concen: 58.985 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

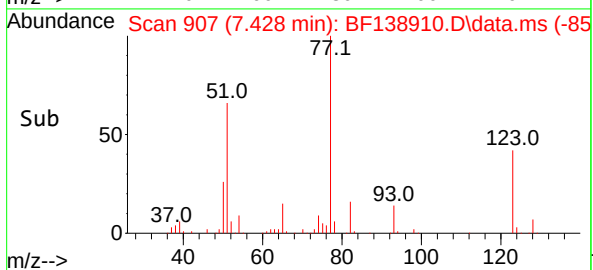
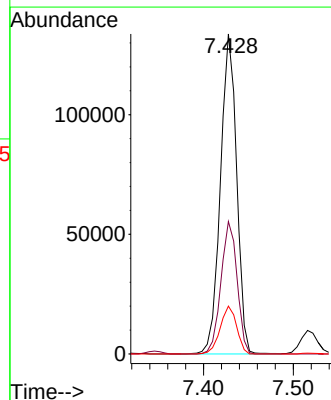
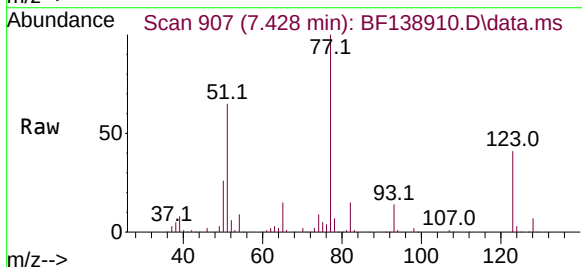
Tgt Ion: 77 Resp: 168103

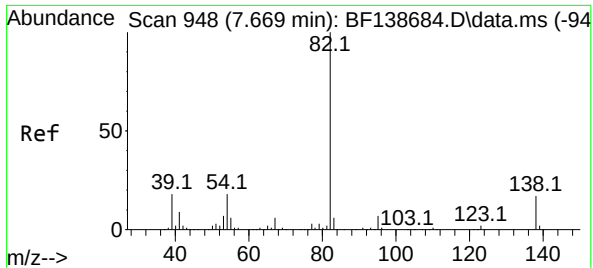
Ion Ratio Lower Upper

77 100

123 41.4 33.3 49.9

65 15.0 11.9 17.9

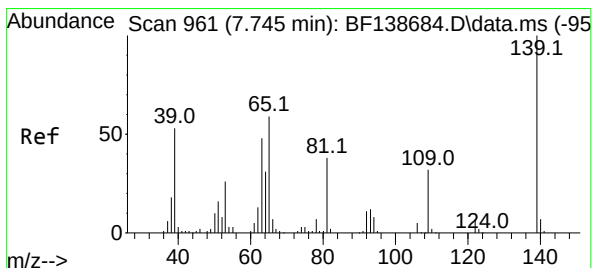
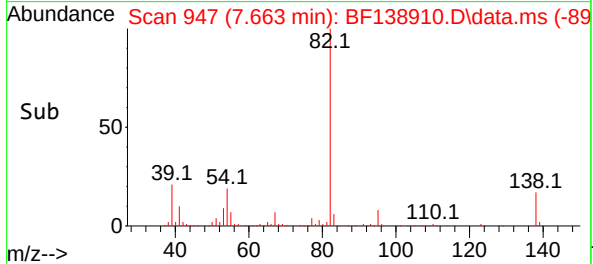
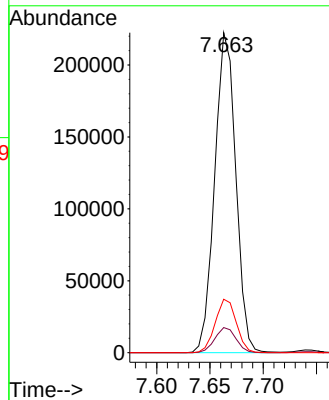
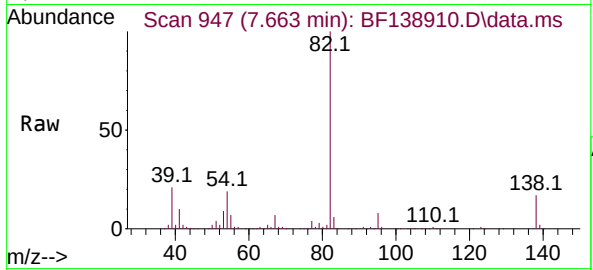




#25
Isophorone
Concen: 63.987 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

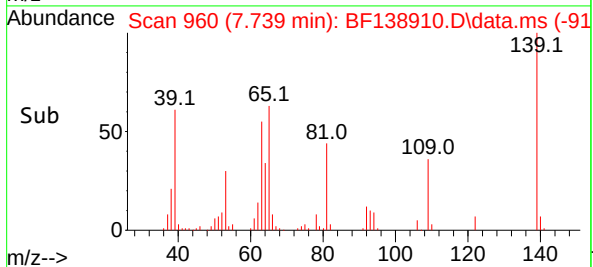
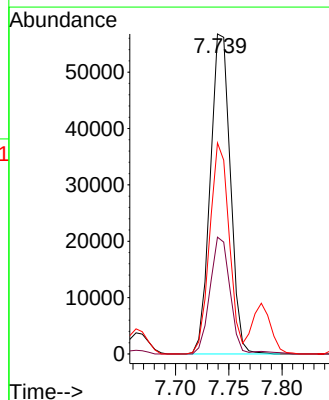
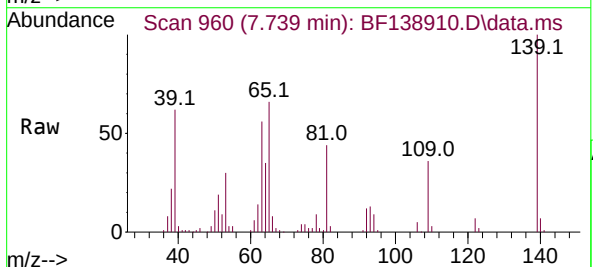
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

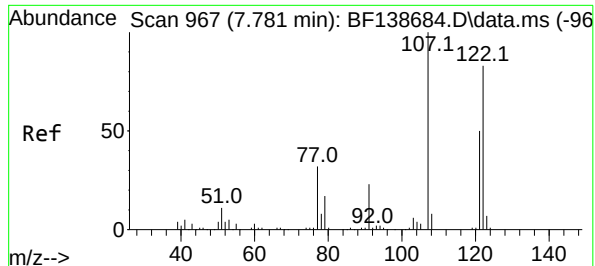
Tgt Ion: 82 Resp: 306004
Ion Ratio Lower Upper
82 100
95 7.8 5.7 8.5
138 16.7 13.7 20.5



#26
2-Nitrophenol
Concen: 60.576 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 139 Resp: 74274
Ion Ratio Lower Upper
139 100
109 36.5 25.9 38.9
65 65.9 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 60.397 ng

RT: 7.781 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

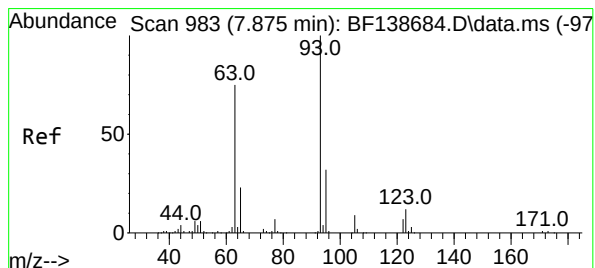
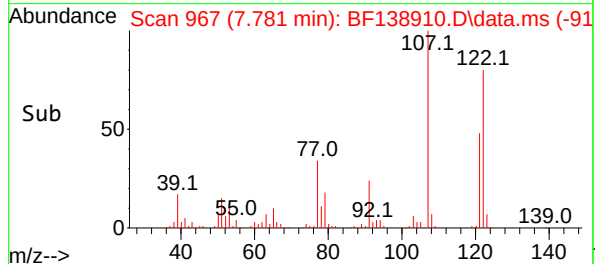
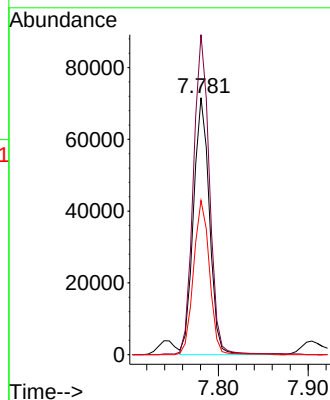
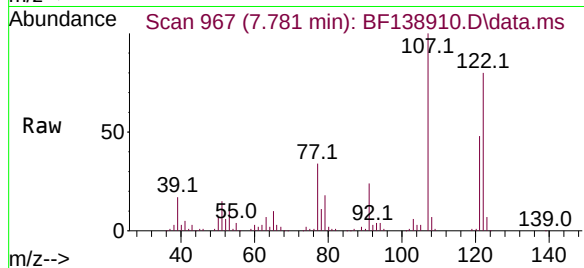
Tgt Ion:122 Resp: 88603

Ion Ratio Lower Upper

122 100

107 124.5 95.0 142.6

121 60.1 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 60.196 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

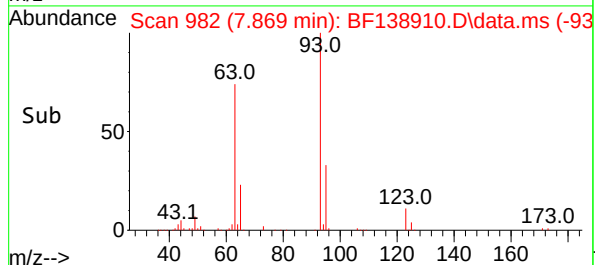
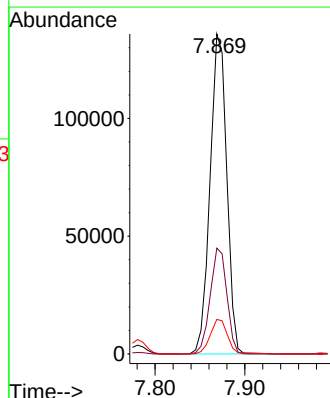
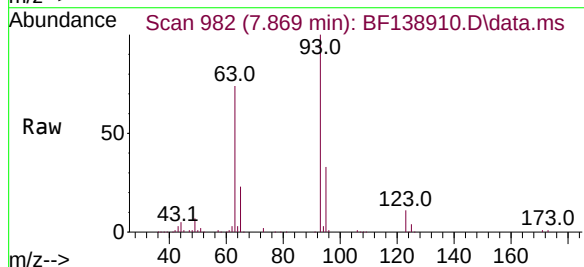
Tgt Ion: 93 Resp: 175308

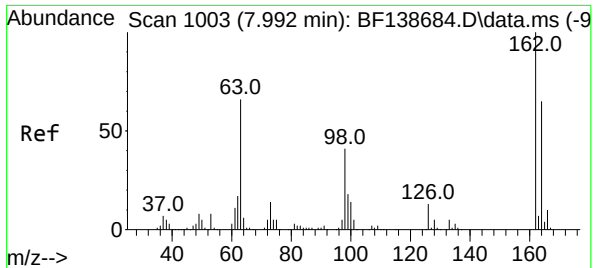
Ion Ratio Lower Upper

93 100

95 33.0 25.8 38.8

123 10.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 58.761 ng

RT: 7.986 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

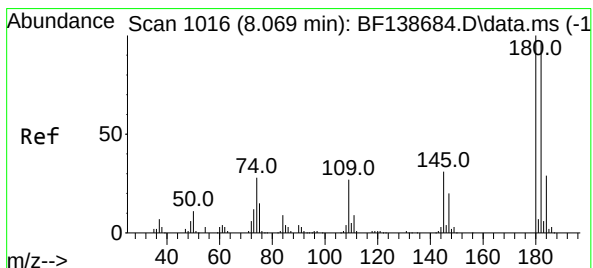
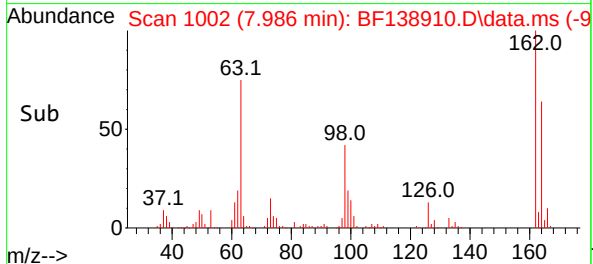
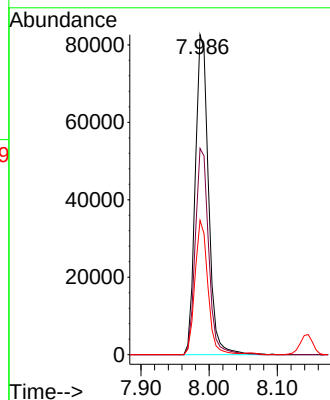
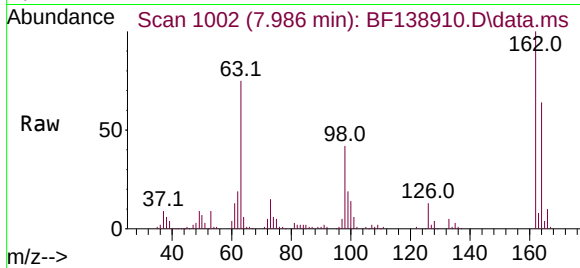
Tgt Ion:162 Resp: 110771

Ion Ratio Lower Upper

162 100

164 64.4 44.7 84.7

98 42.0 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 51.387 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

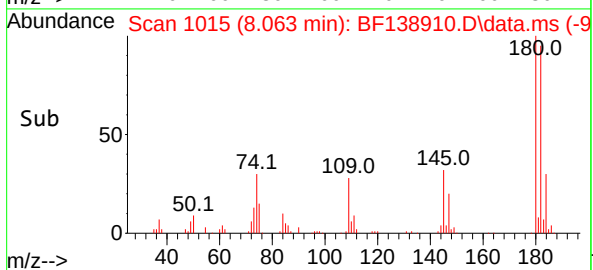
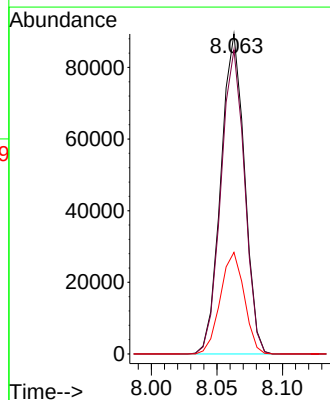
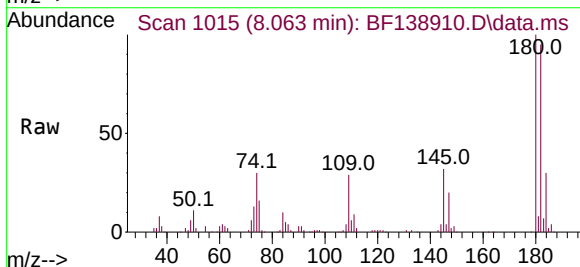
Tgt Ion:180 Resp: 111789

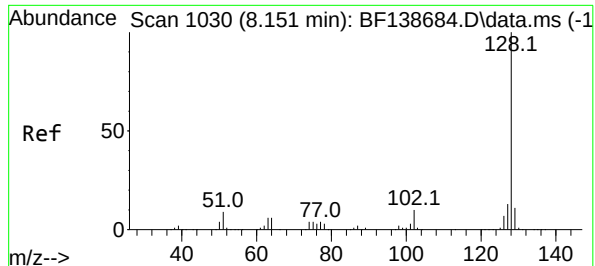
Ion Ratio Lower Upper

180 100

182 95.1 76.9 115.3

145 31.8 25.0 37.4





#31

Naphthalene

Concen: 53.649 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

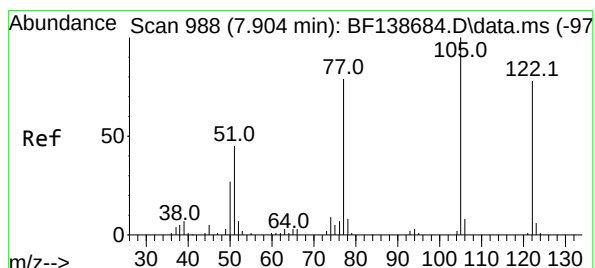
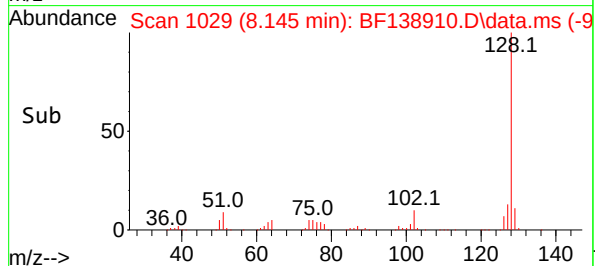
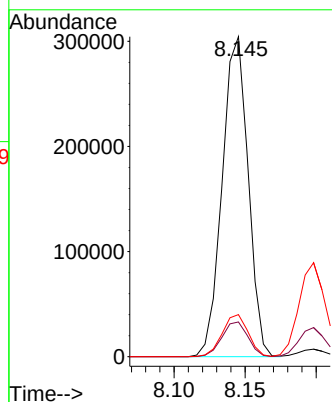
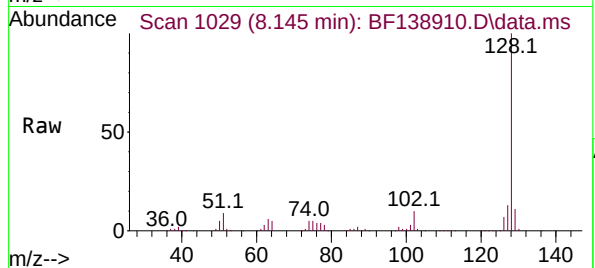
Tgt Ion:128 Resp: 386676

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 9.345 ng

RT: 7.904 min Scan# 988

Delta R.T. 0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

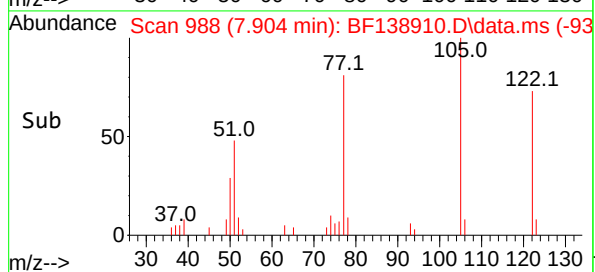
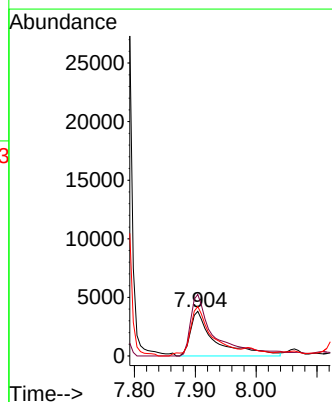
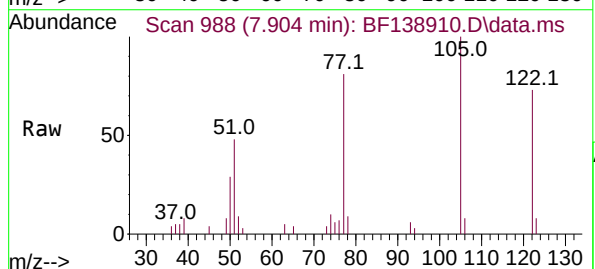
Tgt Ion:122 Resp: 10776

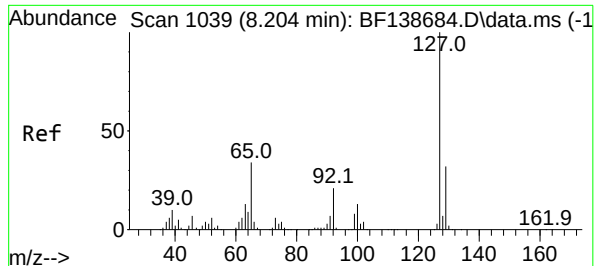
Ion Ratio Lower Upper

122 100

105 137.9 106.7 146.7

77 111.0 81.1 121.1

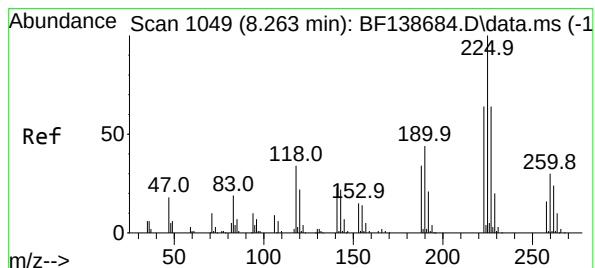
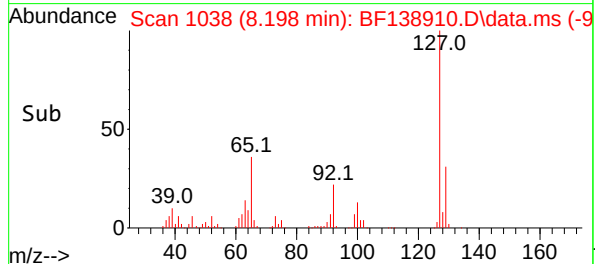
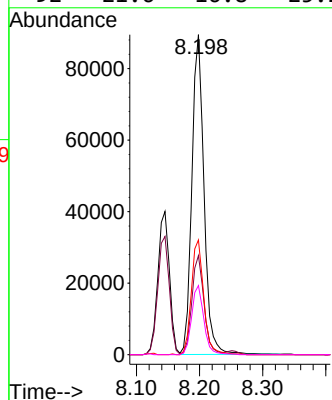
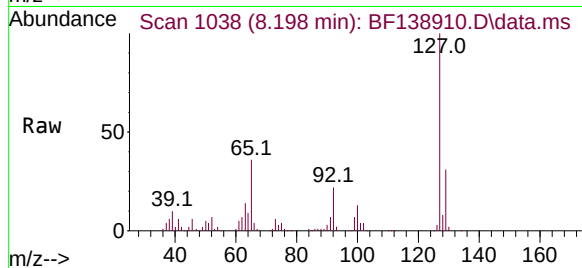




#33
4-Chloroaniline
Concen: 49.421 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

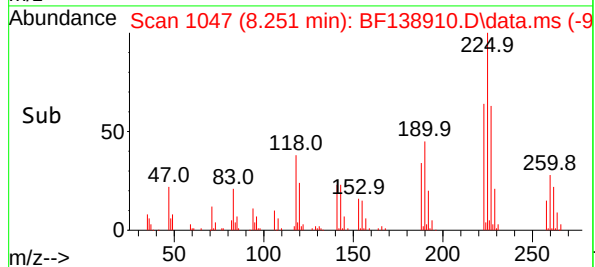
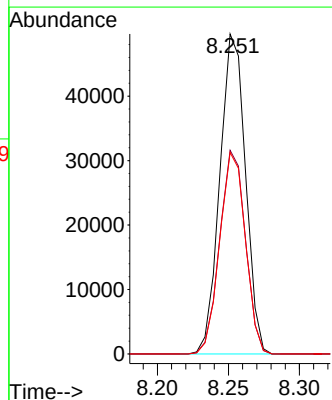
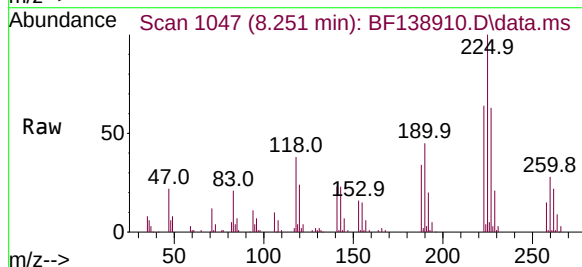
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

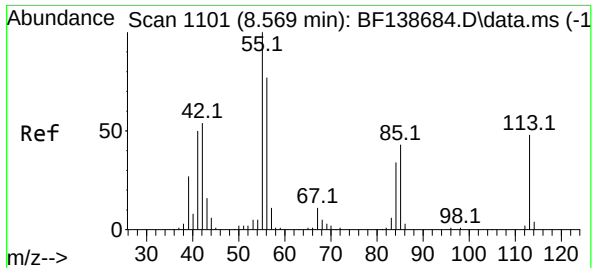
Tgt Ion:127	Resp: 119569
Ion Ratio	Lower Upper
127 100	
129 30.9	25.9 38.9
65 35.8	27.6 41.4
92 21.6	16.8 25.2



#34
Hexachlorobutadiene
Concen: 47.240 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:225	Resp: 62246
Ion Ratio	Lower Upper
225 100	
223 63.7	51.2 76.8
227 63.0	51.1 76.7

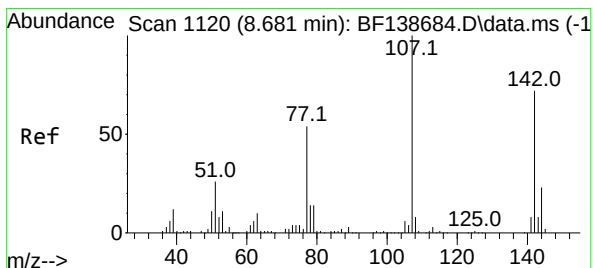
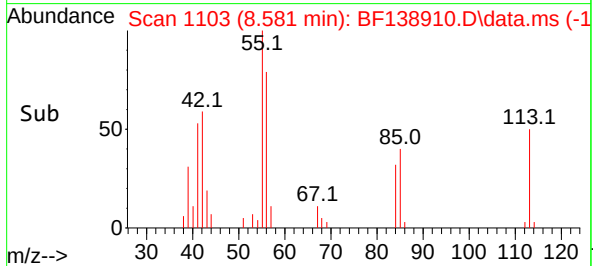
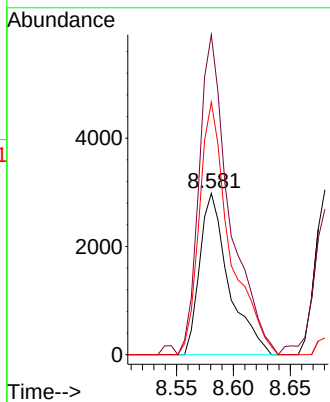
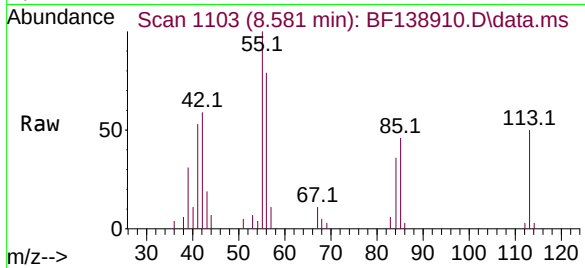




#35
Caprolactam
Concen: 9.412 ng
RT: 8.581 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

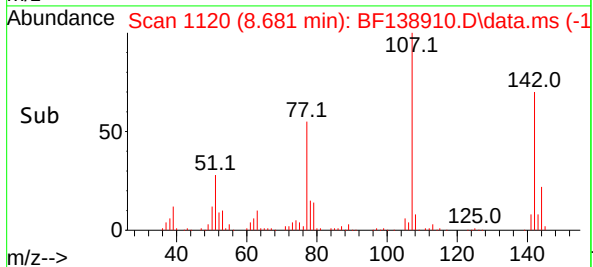
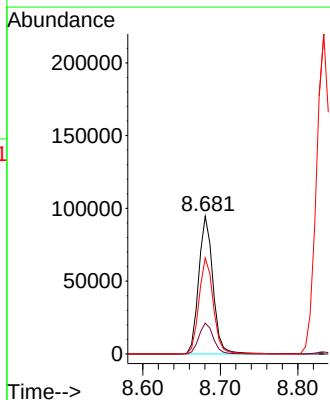
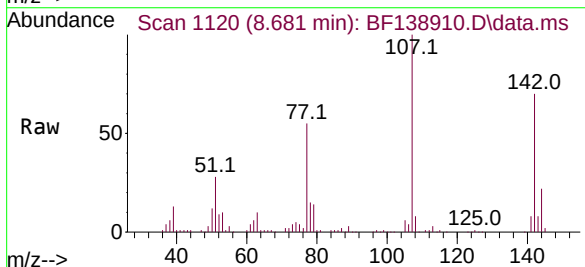
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

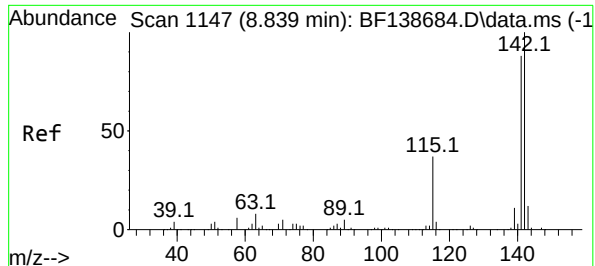
Tgt Ion:113 Resp: 5294
Ion Ratio Lower Upper
113 100
55 198.4 186.7 226.7
56 156.5 138.9 178.9



#36
4-Chloro-3-methylphenol
Concen: 56.158 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:107 Resp: 120986
Ion Ratio Lower Upper
107 100
144 22.5 18.2 27.2
142 69.7 57.4 86.2





#37

2-Methylnaphthalene

Concen: 60.017 ng

RT: 8.833 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

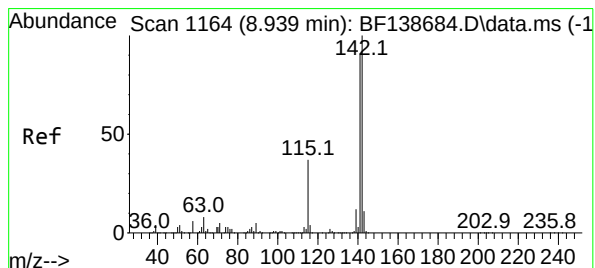
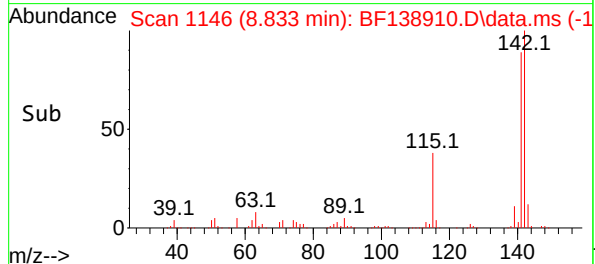
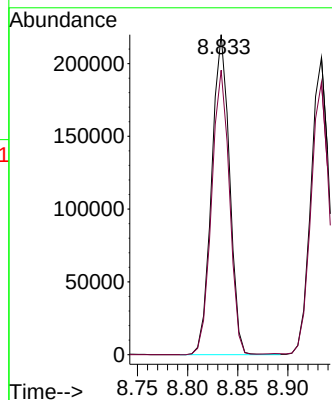
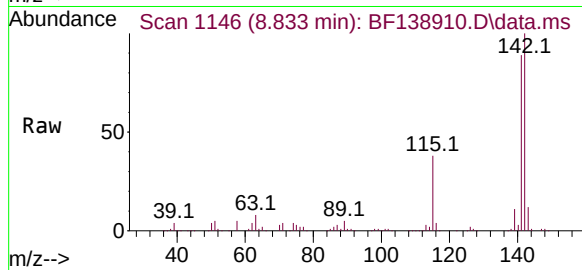
MLS-15-70-85MSD

Tgt Ion:142 Resp: 273197

Ion Ratio Lower Upper

142 100

141 88.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 56.800 ng

RT: 8.933 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138910.D

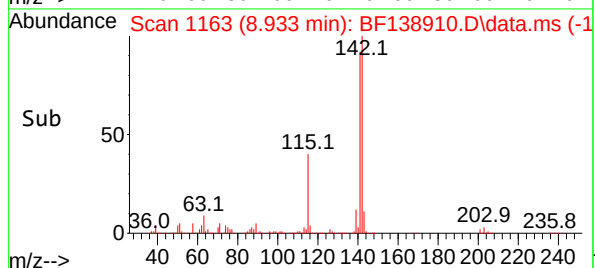
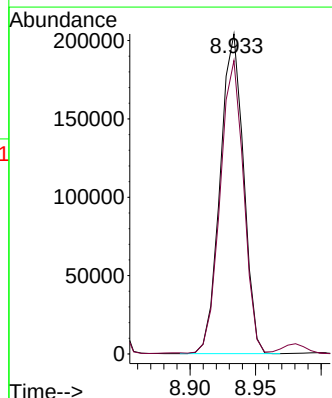
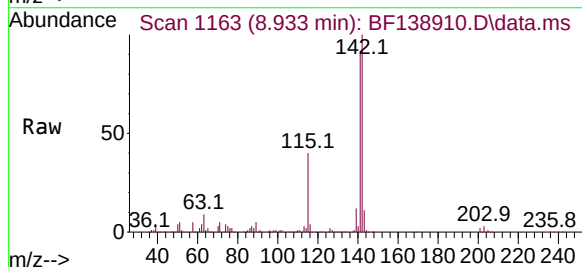
Acq: 10 Aug 2024 15:19

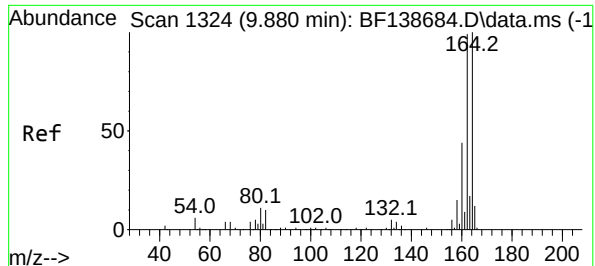
Tgt Ion:142 Resp: 253356

Ion Ratio Lower Upper

142 100

141 91.7 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

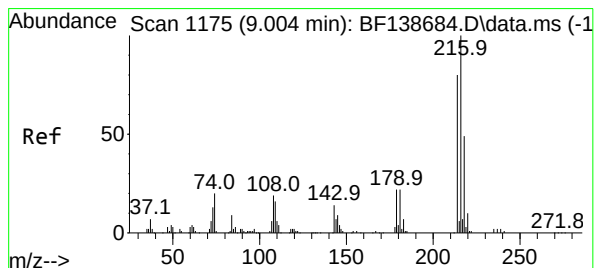
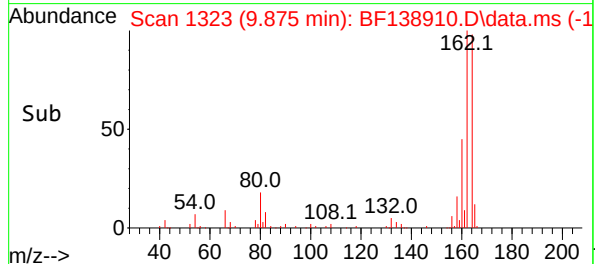
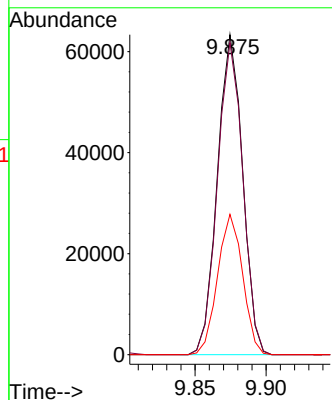
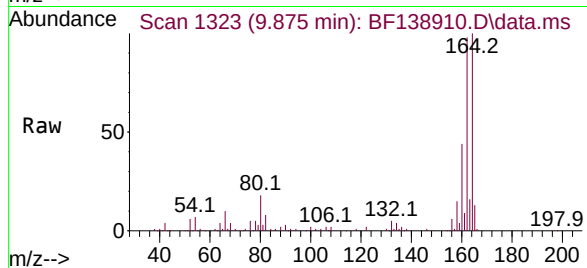
Tgt Ion:164 Resp: 78360

Ion Ratio Lower Upper

164 100

162 97.5 79.4 119.0

160 43.8 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.873 ng

RT: 8.998 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Tgt Ion:216 Resp: 117267

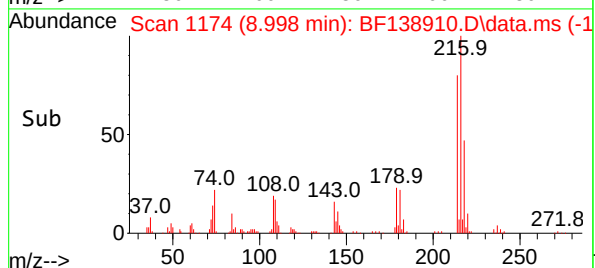
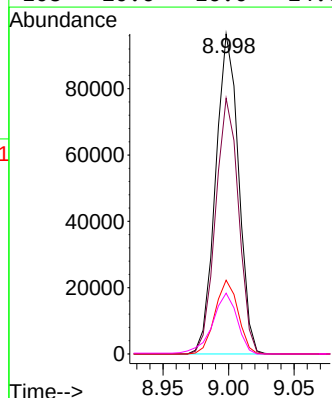
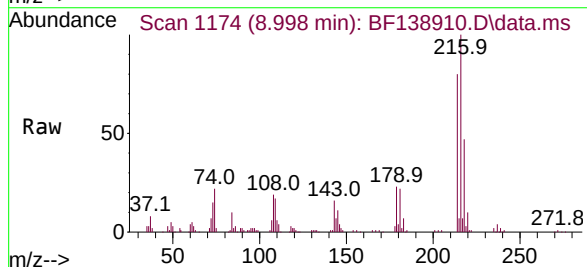
Ion Ratio Lower Upper

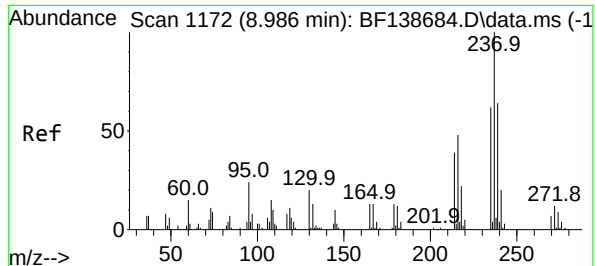
216 100

214 79.9 63.9 95.9

179 23.1 17.8 26.6

108 20.6 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 101.915 ng

RT: 8.980 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

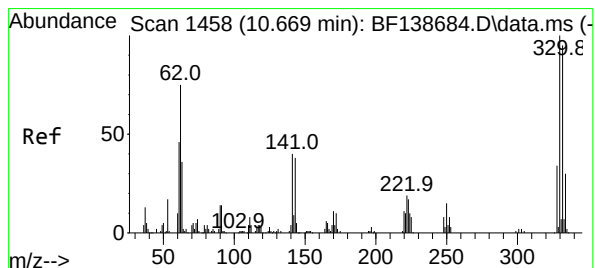
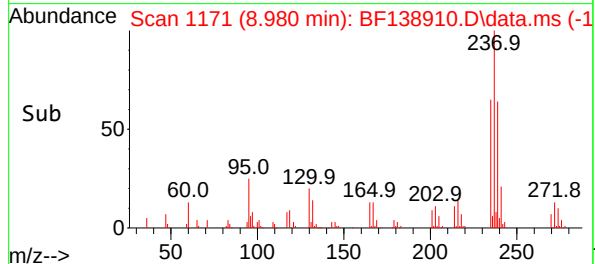
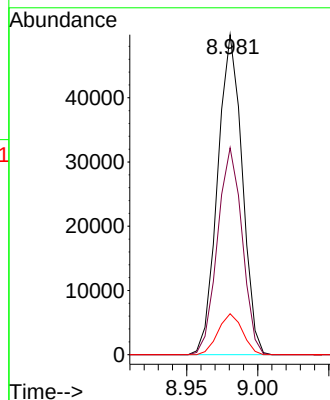
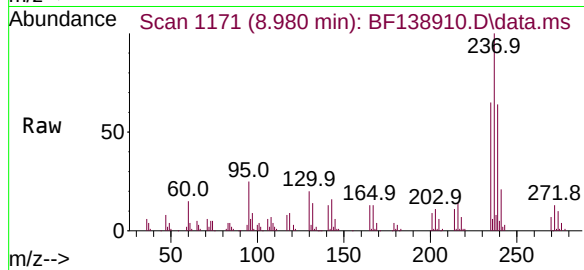
Tgt Ion:237 Resp: 59923

Ion Ratio Lower Upper

237 100

235 64.6 41.8 81.8

272 12.8 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 171.852 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

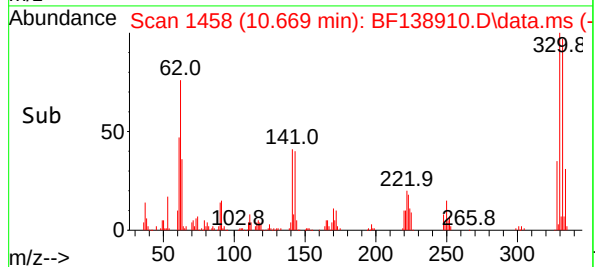
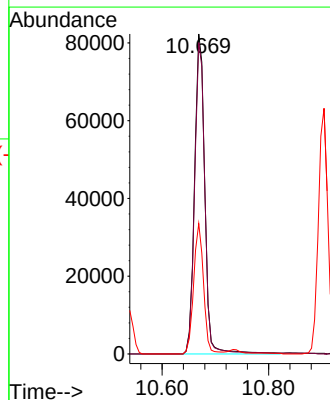
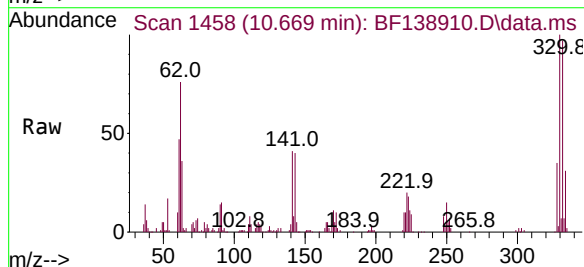
Tgt Ion:330 Resp: 110307

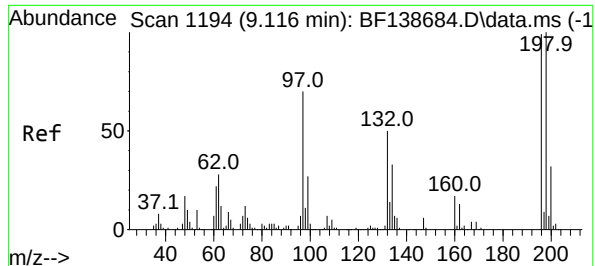
Ion Ratio Lower Upper

330 100

332 97.1 76.4 114.6

141 39.3 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 58.240 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

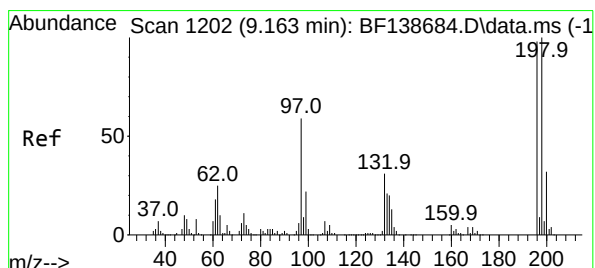
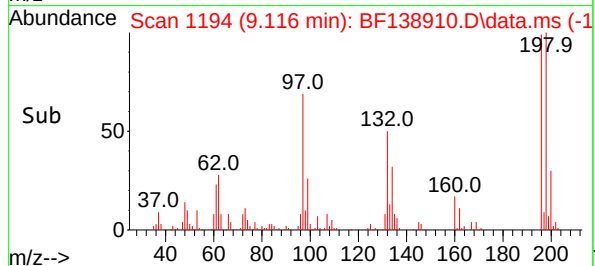
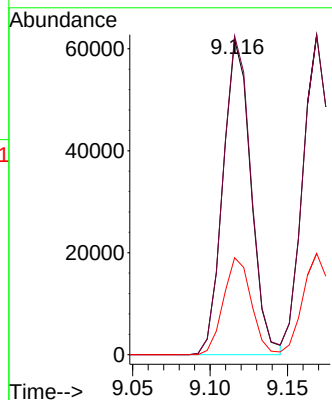
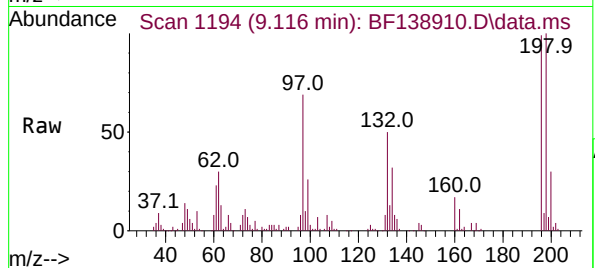
Tgt Ion:196 Resp: 77296

Ion Ratio Lower Upper

196 100

198 101.2 80.5 120.7

200 30.8 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 55.941 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Tgt Ion:196 Resp: 81165

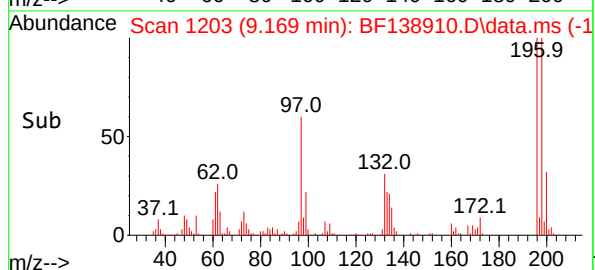
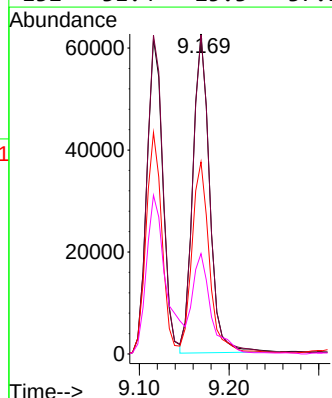
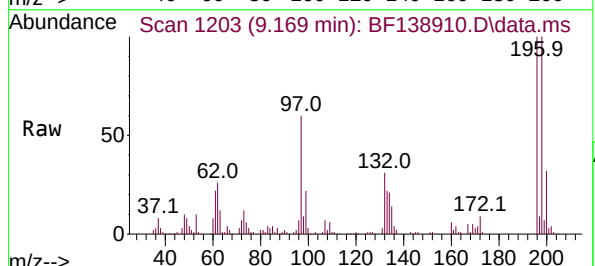
Ion Ratio Lower Upper

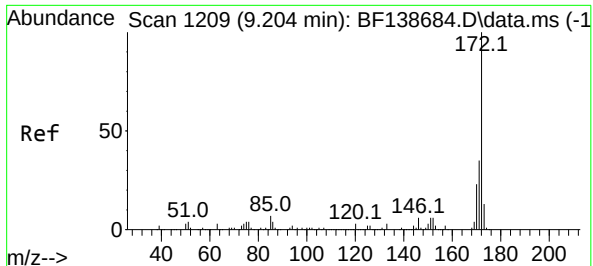
196 100

198 99.7 81.2 121.8

97 60.0 47.8 71.6

132 31.4 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 114.355 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

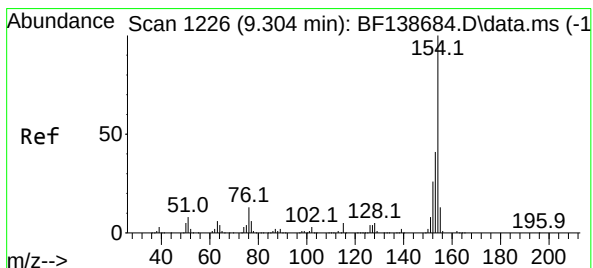
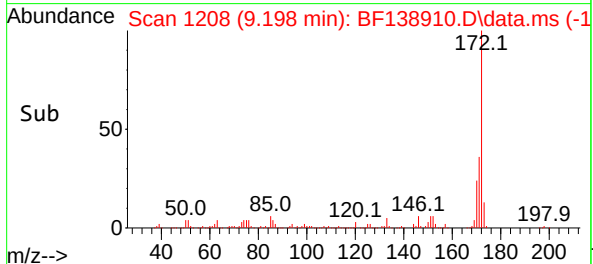
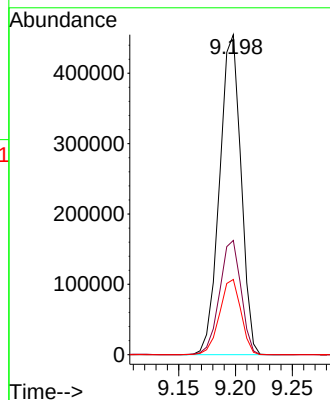
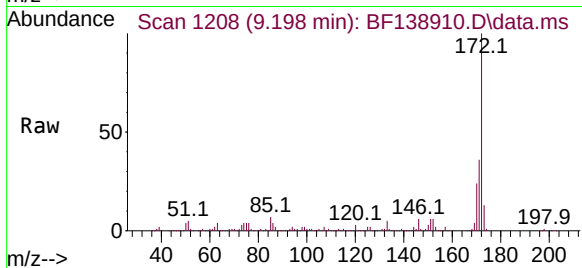
Tgt Ion:172 Resp: 596395

Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 54.524 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

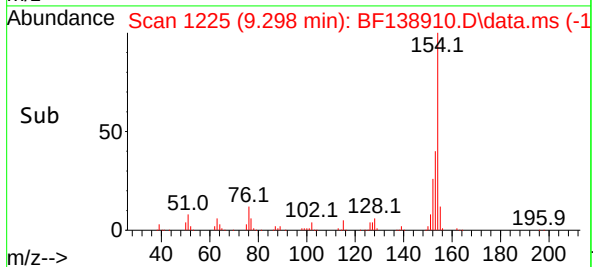
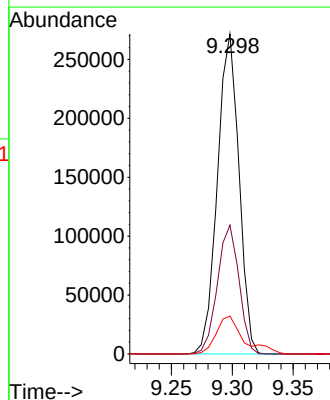
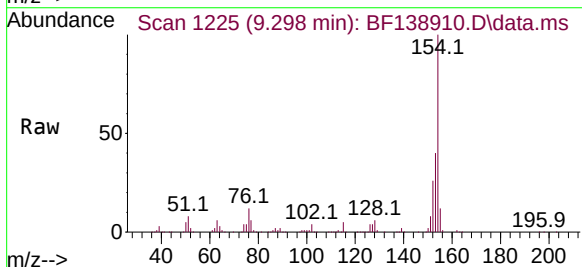
Tgt Ion:154 Resp: 334615

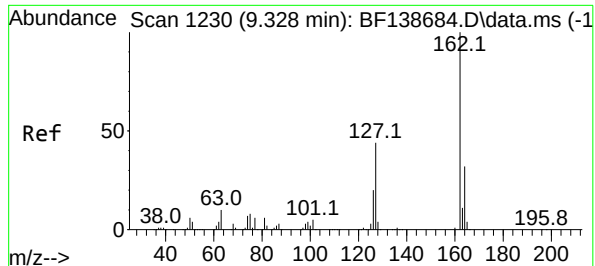
Ion Ratio Lower Upper

154 100

153 40.3 20.8 60.8

76 11.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 57.388 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

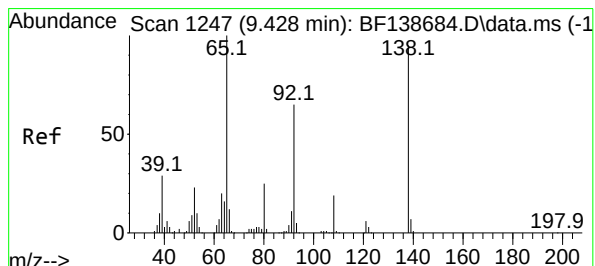
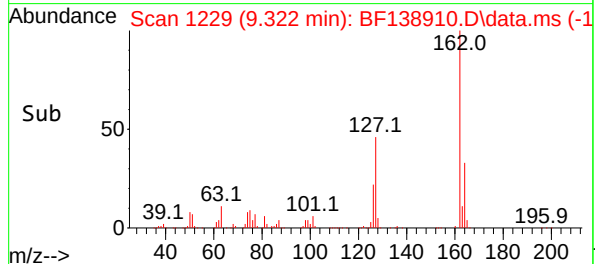
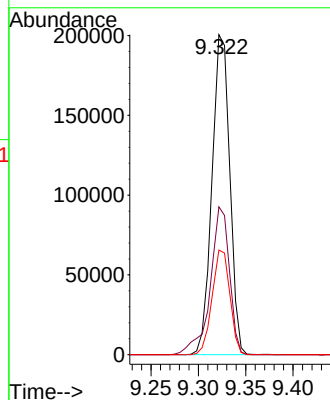
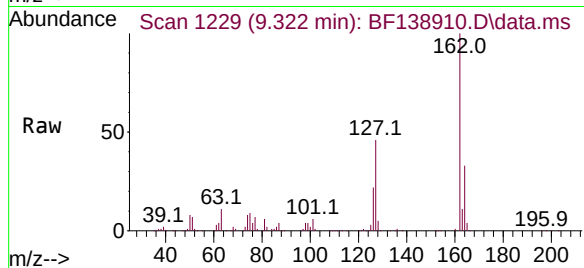
Tgt Ion:162 Resp: 261936

Ion Ratio Lower Upper

162 100

127 46.2 35.4 53.2

164 32.7 25.6 38.4



#48

2-Nitroaniline

Concen: 64.950 ng

RT: 9.428 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

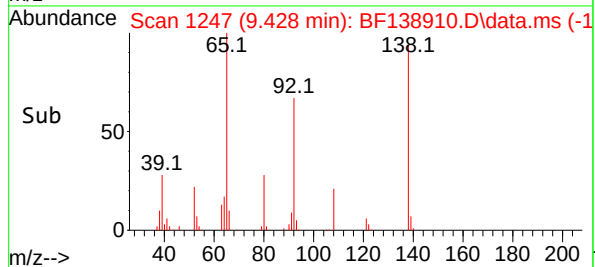
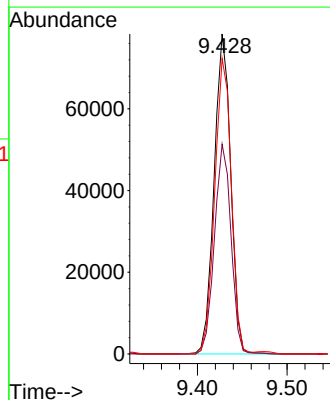
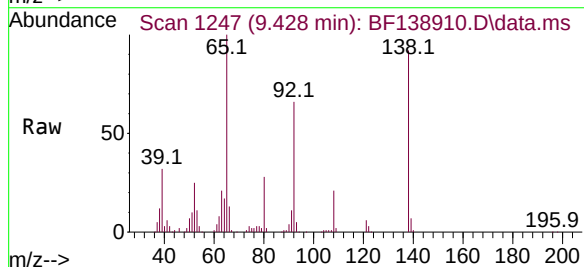
Tgt Ion: 65 Resp: 100500

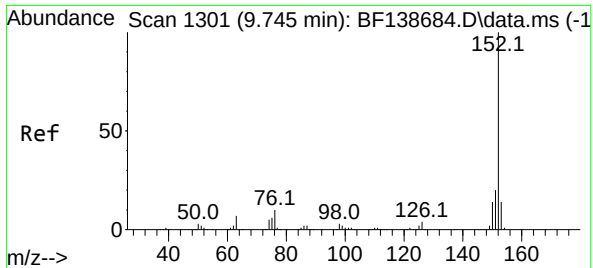
Ion Ratio Lower Upper

65 100

92 65.5 52.0 78.0

138 92.4 76.2 114.4

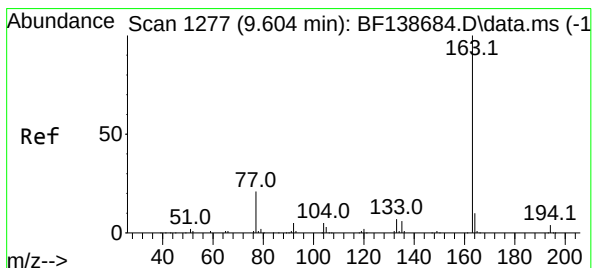
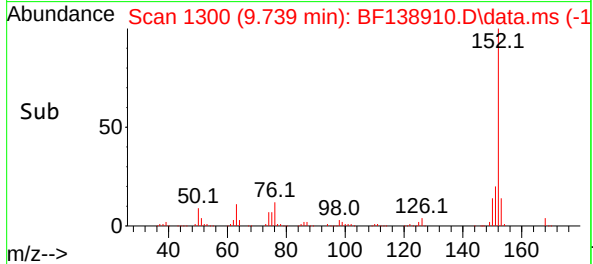
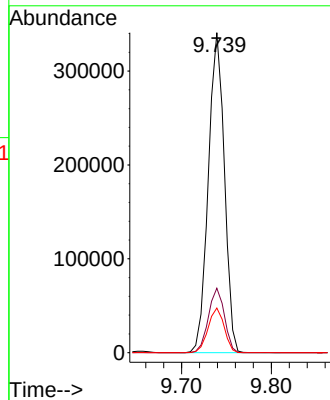
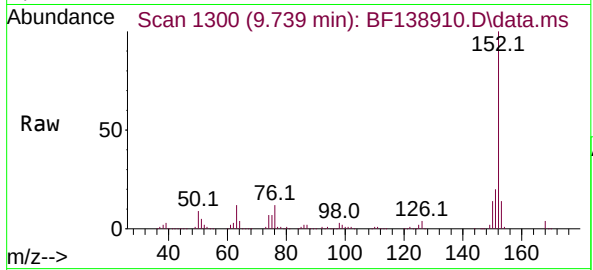




#49
Acenaphthylene
Concen: 65.385 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

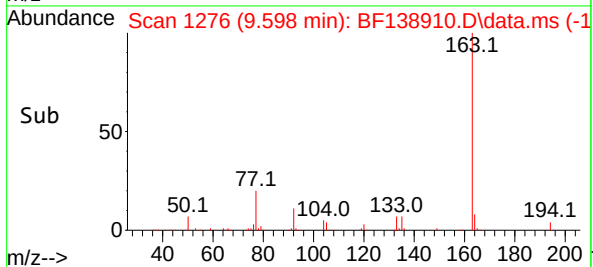
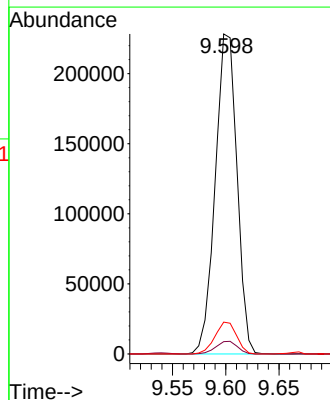
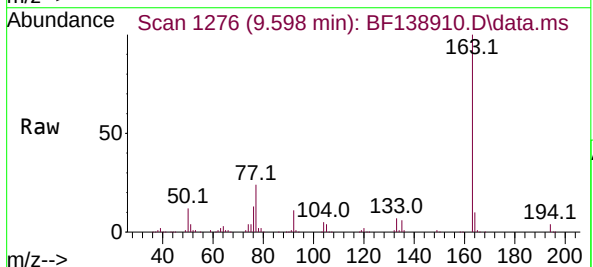
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

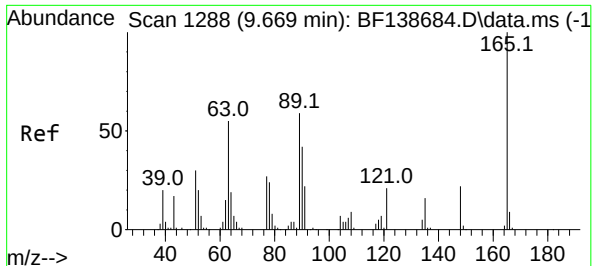
Tgt Ion:152 Resp: 423271
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 14.0 11.0 16.4



#50
Dimethylphthalate
Concen: 64.516 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:163 Resp: 323255
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.9 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 62.687 ng

RT: 9.669 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

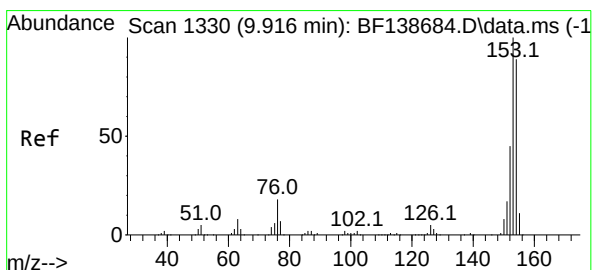
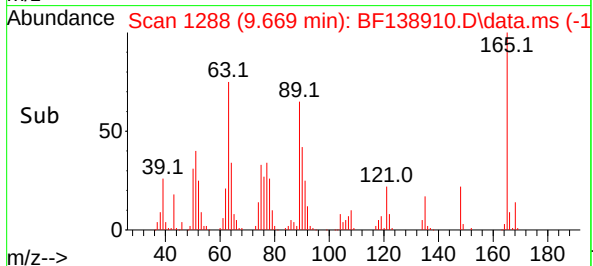
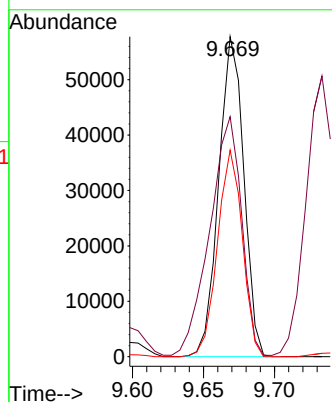
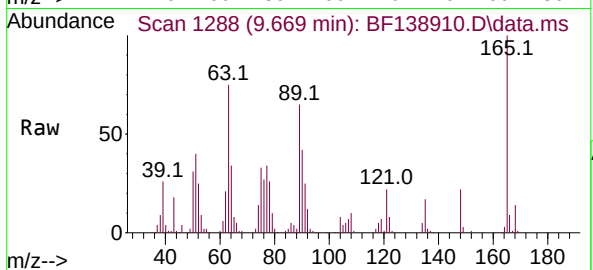
Tgt Ion:165 Resp: 70884

Ion Ratio Lower Upper

165 100

63 75.0 52.0 78.0

89 64.6 47.0 70.6



#52

Acenaphthene

Concen: 58.978 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

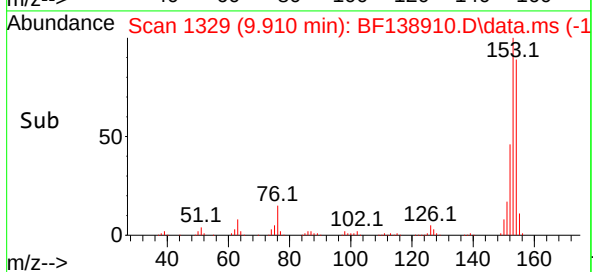
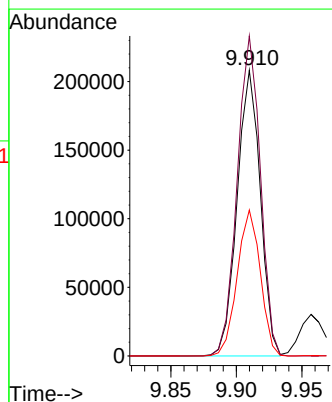
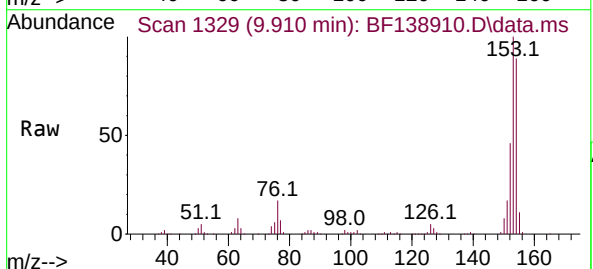
Tgt Ion:154 Resp: 256650

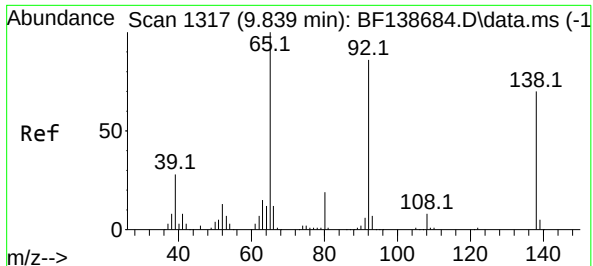
Ion Ratio Lower Upper

154 100

153 112.0 89.9 134.9

152 51.1 40.6 60.8

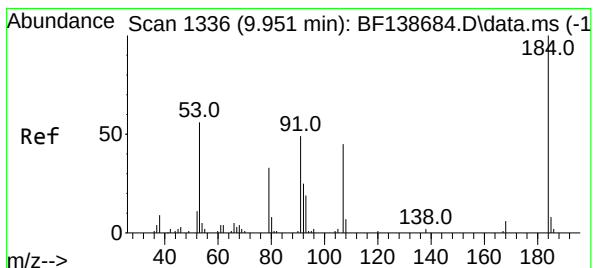
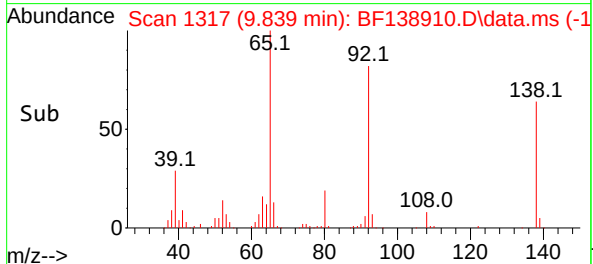
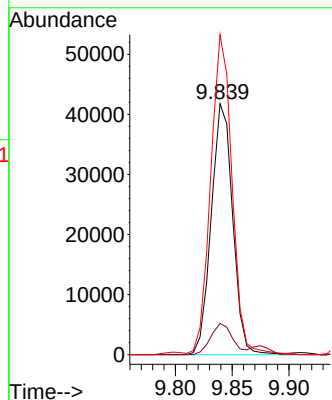
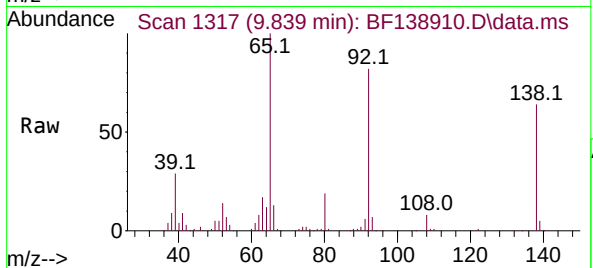




#53
3-Nitroaniline
Concen: 46.863 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

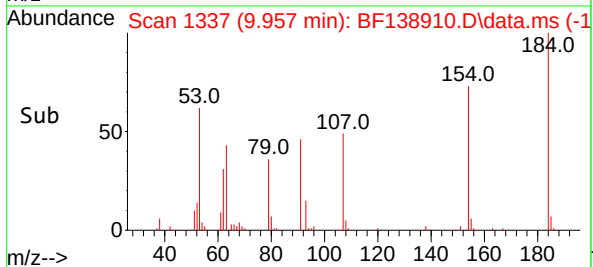
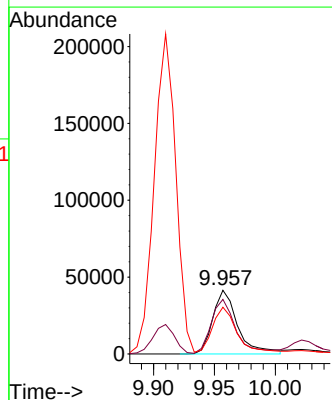
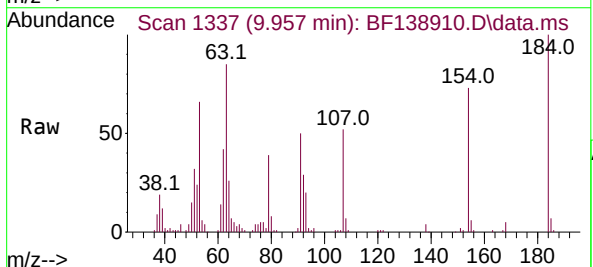
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

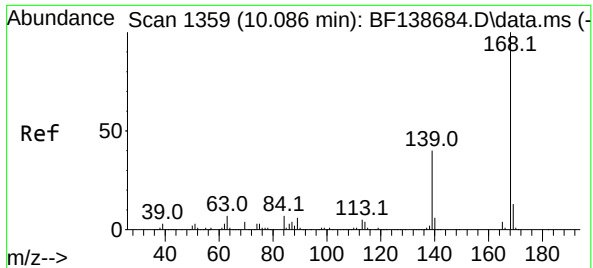
Tgt Ion:138 Resp: 54781
Ion Ratio Lower Upper
138 100
108 12.5 9.1 13.7
92 127.5 98.7 148.1



#54
2,4-Dinitrophenol
Concen: 113.191 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:184 Resp: 58919
Ion Ratio Lower Upper
184 100
63 85.5 57.5 86.3
154 73.2 51.7 77.5





#55

Dibenzenofuran

Concen: 63.106 ng

RT: 10.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

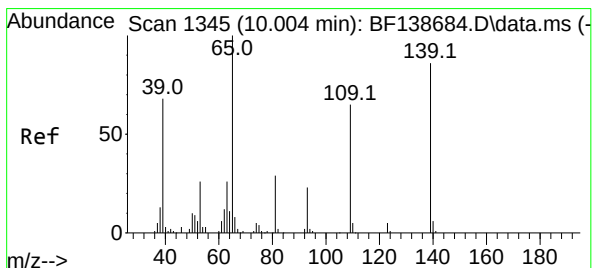
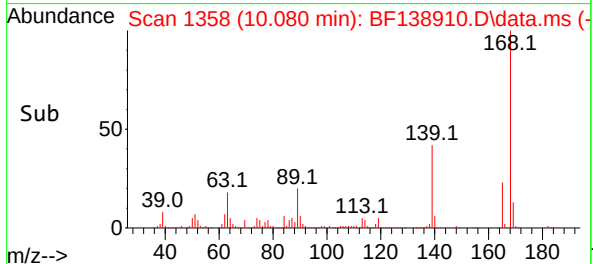
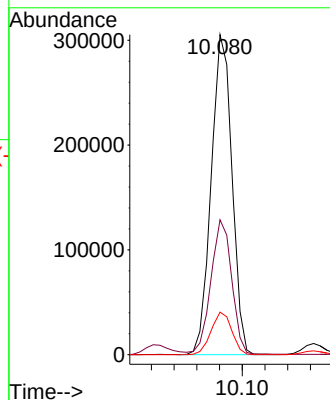
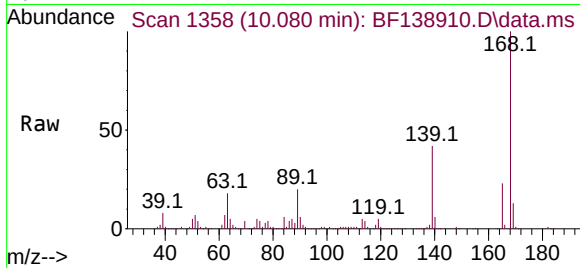
Tgt Ion:168 Resp: 387646

Ion Ratio Lower Upper

168 100

139 42.1 32.6 49.0

169 13.3 10.7 16.1



#56

4-Nitrophenol

Concen: 21.844 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.018 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

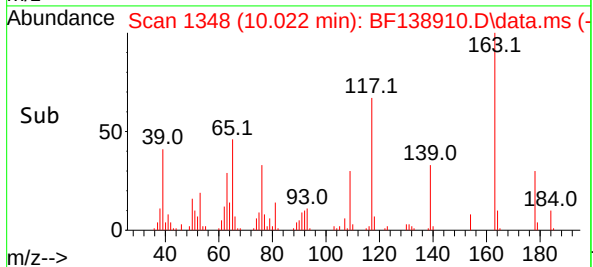
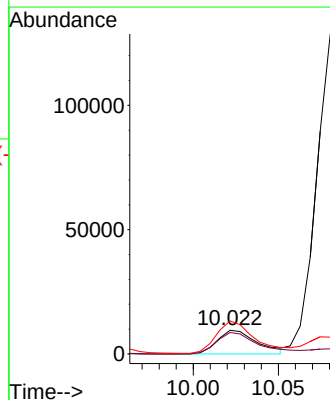
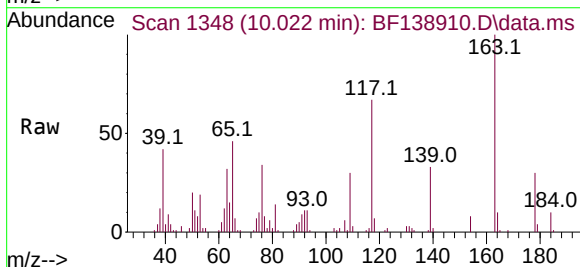
Tgt Ion:139 Resp: 15355

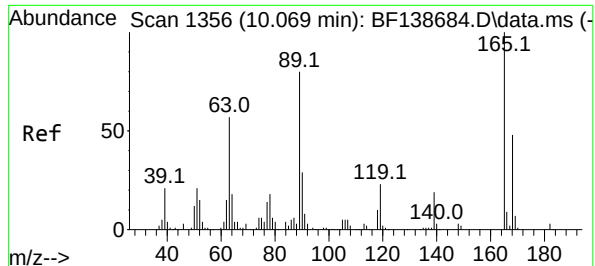
Ion Ratio Lower Upper

139 100

109 90.7 55.5 95.5

65 139.1 96.7 136.7#





#57

2,4-Dinitrotoluene

Concen: 65.795 ng

RT: 10.075 min Scan# 1356

Delta R.T. 0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

Tgt Ion:165 Resp: 94920

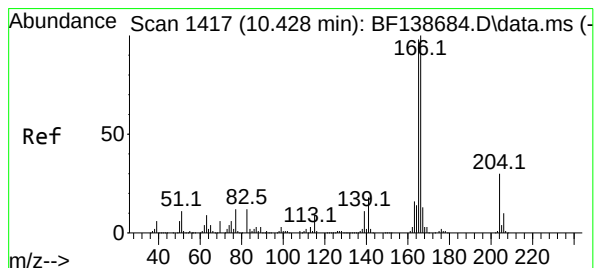
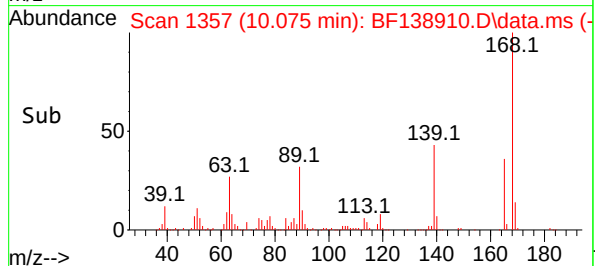
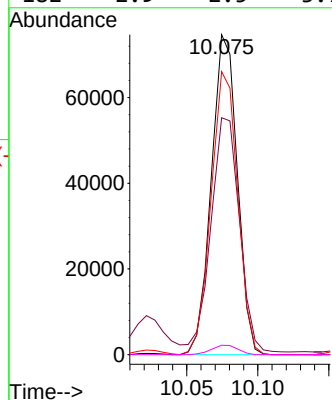
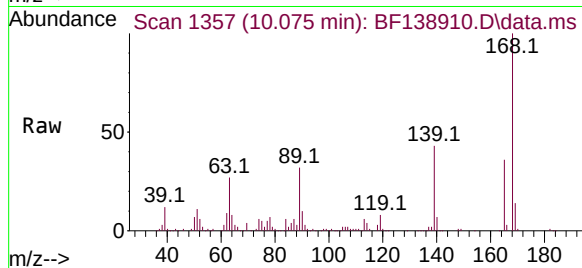
Ion Ratio Lower Upper

165 100

63 74.1 46.3 69.5#

89 88.5 64.2 96.4

182 2.9 2.5 3.7



#58

Fluorene

Concen: 63.481 ng

RT: 10.427 min Scan# 1417

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

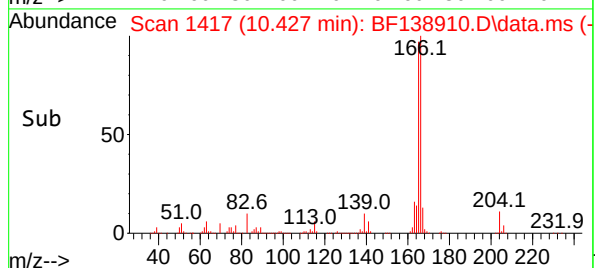
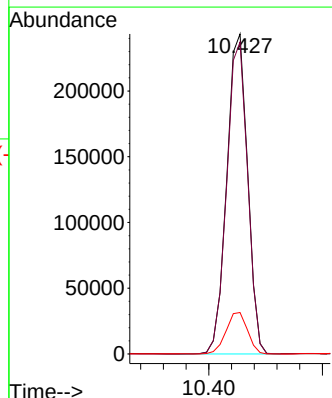
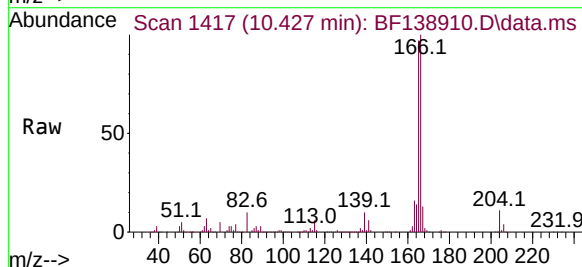
Tgt Ion:166 Resp: 310531

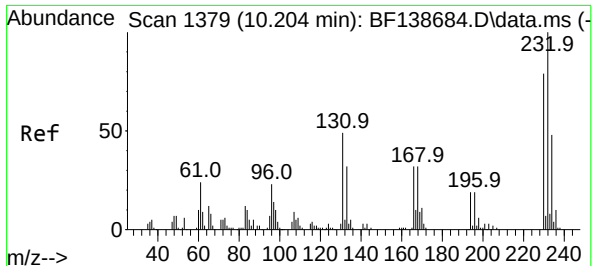
Ion Ratio Lower Upper

166 100

165 97.4 78.4 117.6

167 13.0 10.6 16.0

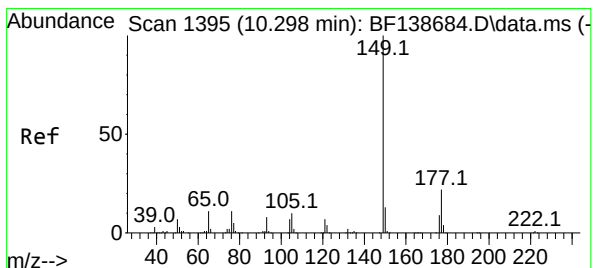
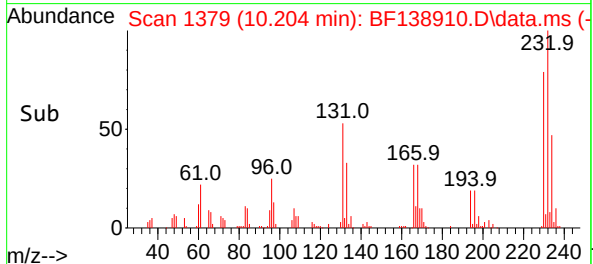
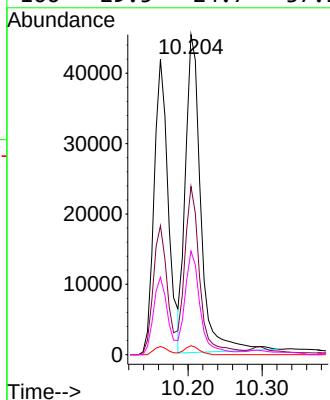
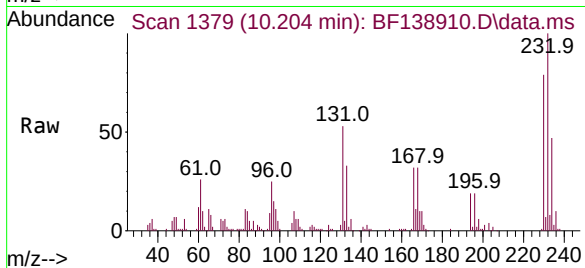




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.016 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

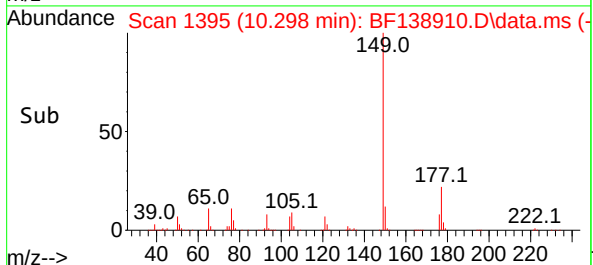
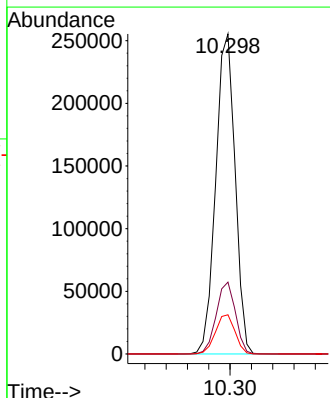
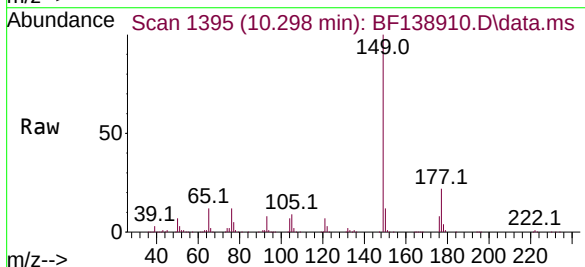
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

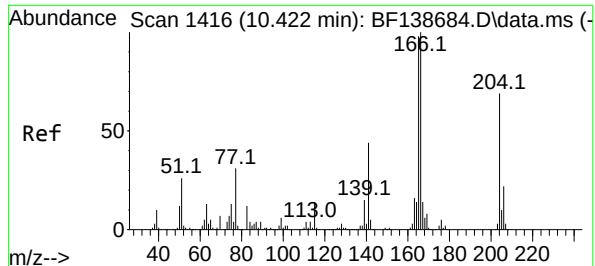
Tgt Ion:232 Resp: 65463
Ion Ratio Lower Upper
232 100
131 52.6 37.0 55.4
130 2.6 2.0 3.0
166 29.5 24.7 37.1



#60
Diethylphthalate
Concen: 67.654 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:149 Resp: 321410
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 12.3 10.1 15.1

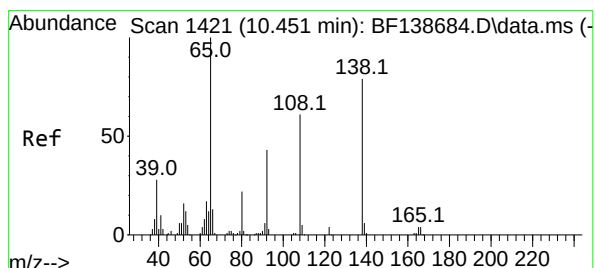
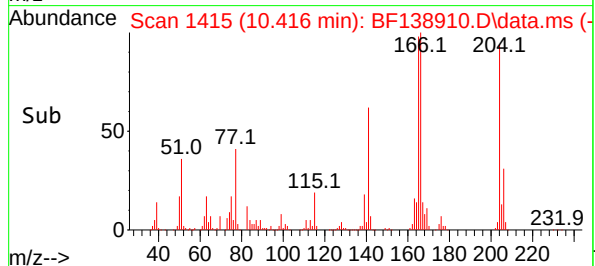
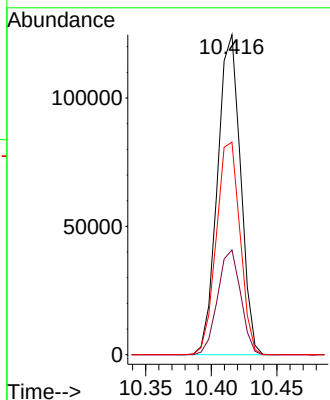
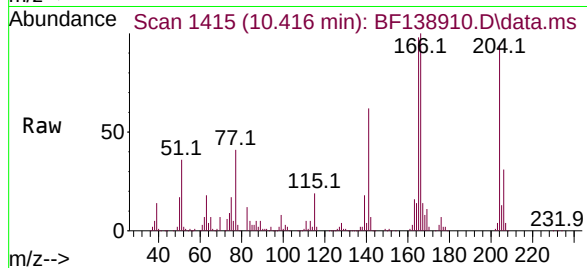




#61
4-Chlorophenyl-phenylether
Concen: 63.393 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

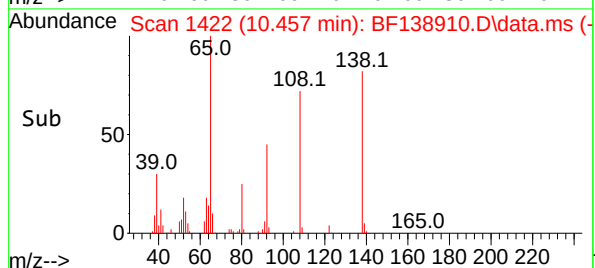
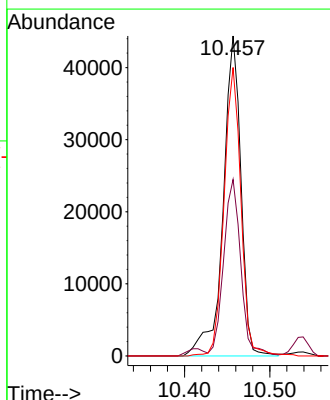
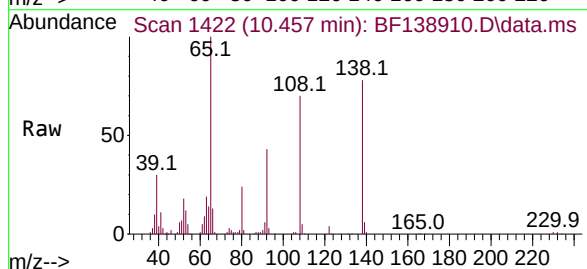
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

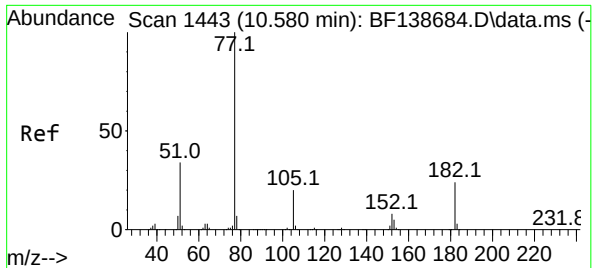
Tgt Ion:204 Resp: 152513
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 66.4 51.4 77.0



#62
4-Nitroaniline
Concen: 57.835 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:138 Resp: 64247
Ion Ratio Lower Upper
138 100
92 55.1 34.2 74.2
108 90.2 56.2 96.2

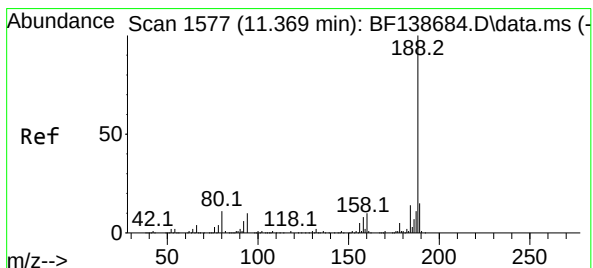
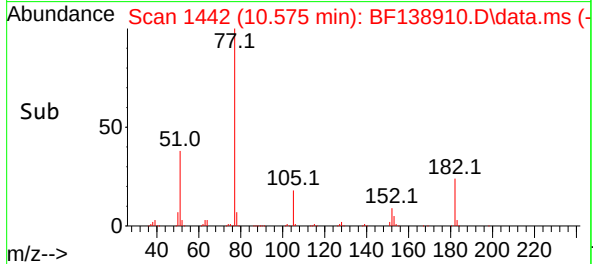
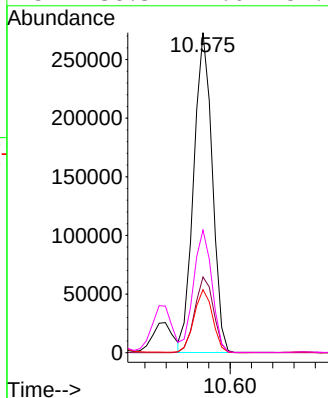
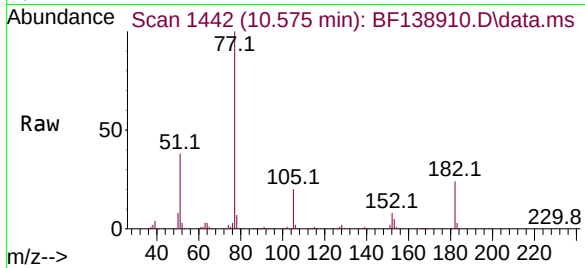




#63
Azobenzene
Concen: 62.596 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

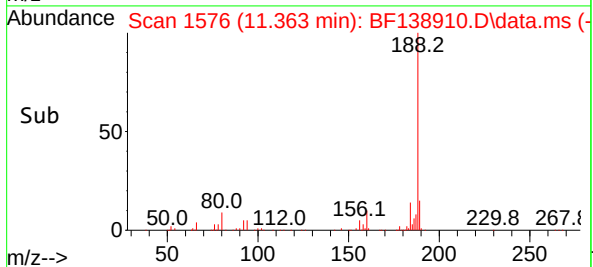
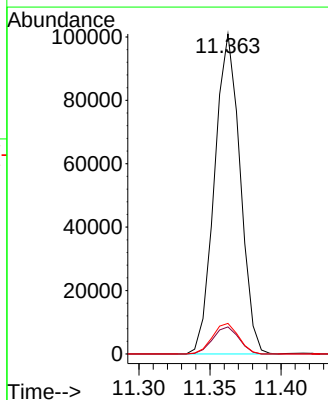
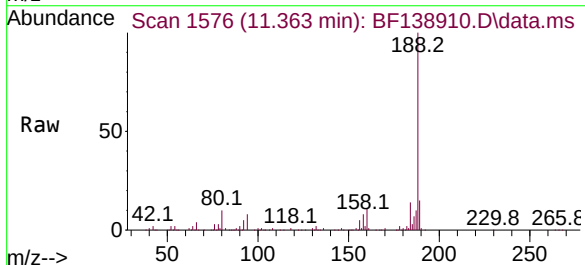
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

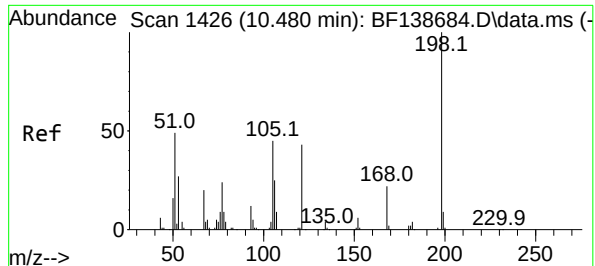
Tgt Ion: 77 Resp: 329824
Ion Ratio Lower Upper
77 100
182 23.7 3.4 43.4
105 19.7 0.2 40.2
51 38.3 14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion: 188 Resp: 126223
Ion Ratio Lower Upper
188 100
94 8.5 7.6 11.4
80 9.6 8.6 12.8

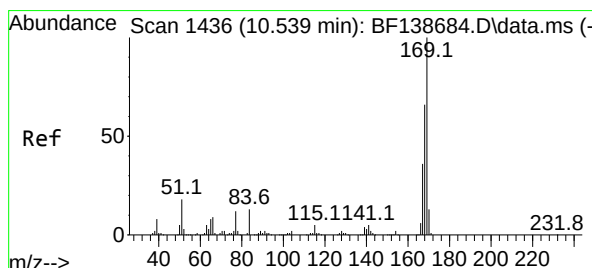
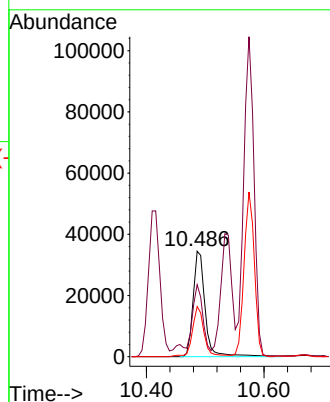
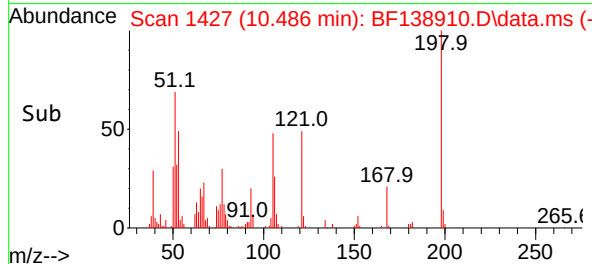
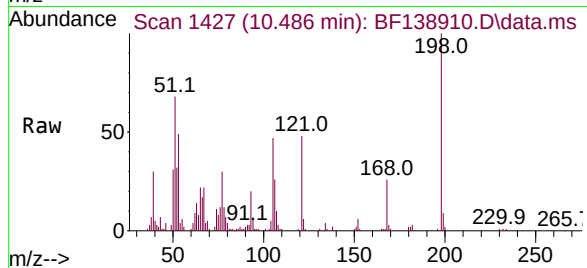




#65
4,6-Dinitro-2-methylphenol
Concen: 63.607 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

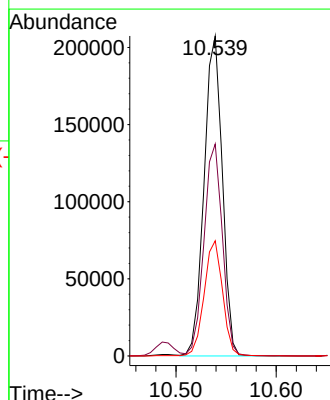
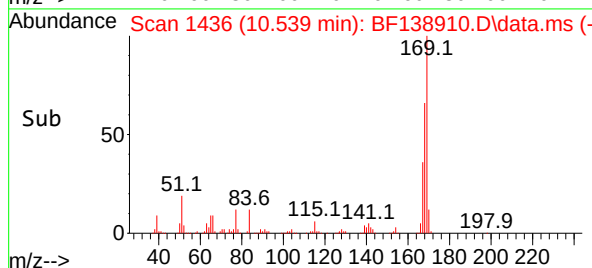
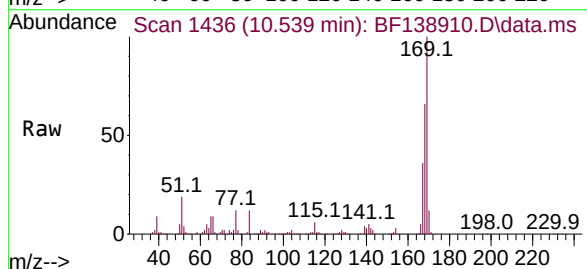
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

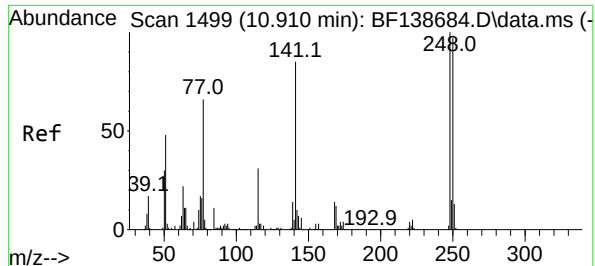
Tgt Ion	Ratio	Lower	Upper
198	100		
51	68.3	39.9	79.9
105	47.5	26.1	66.1



#66
n-Nitrosodiphenylamine
Concen: 66.578 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.0	29.0	43.6

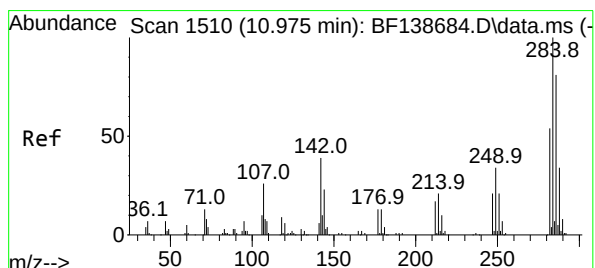
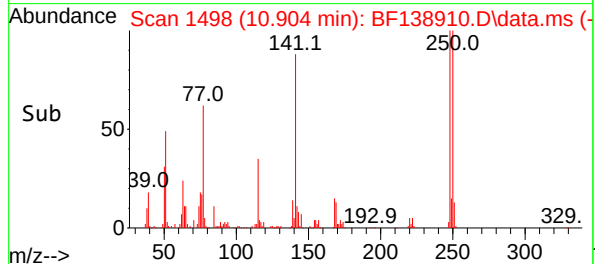
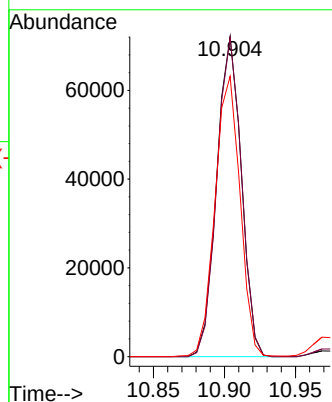
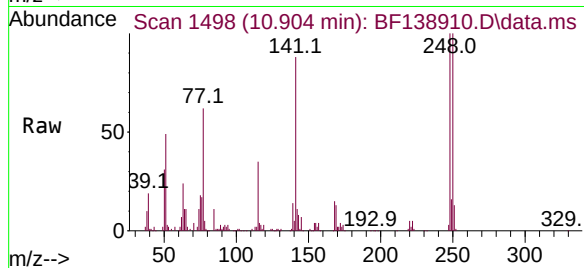




#67
4-Bromophenyl-phenylether
Concen: 63.391 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

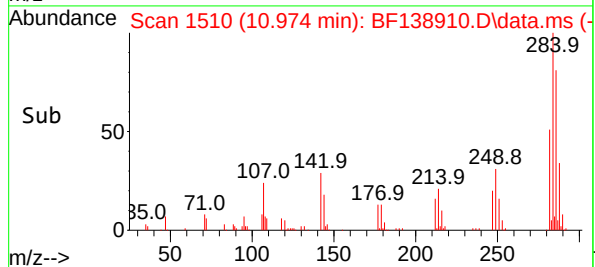
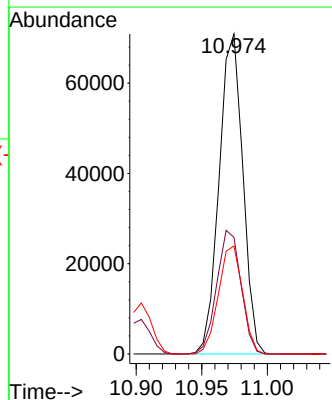
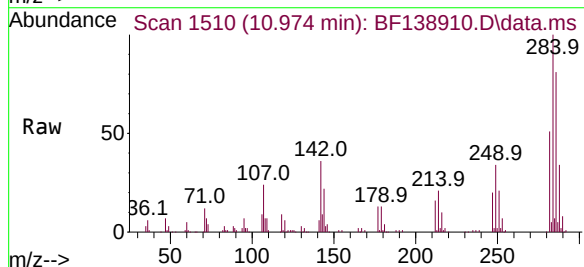
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

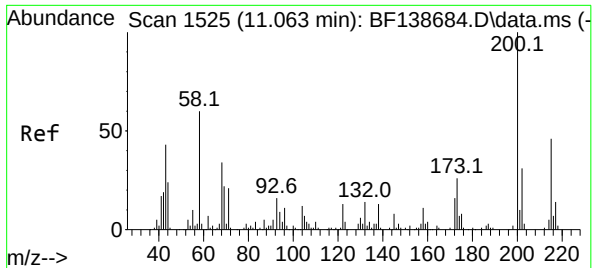
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.7	77.7	116.5
141	87.6	68.0	102.0



#68
Hexachlorobenzene
Concen: 63.102 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.4	31.3	46.9
249	33.8	27.2	40.8





#69

Atrazine

Concen: 75.036 ng

RT: 11.063 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

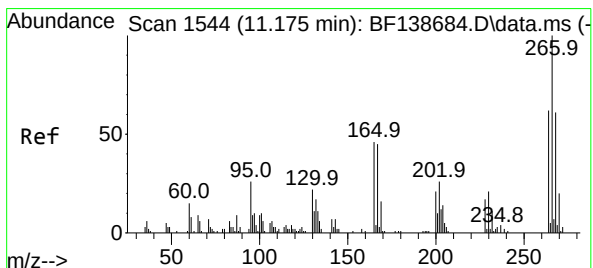
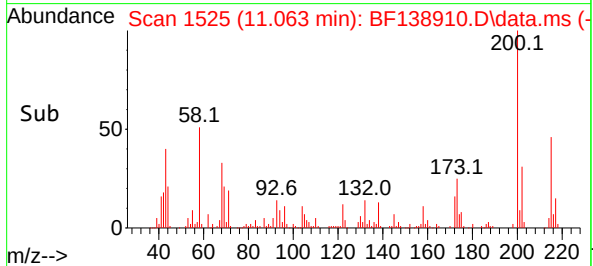
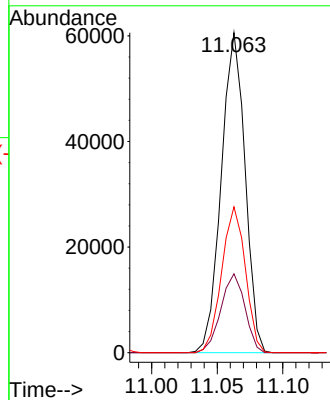
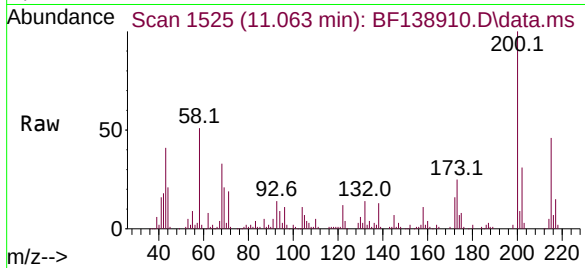
Tgt Ion:200 Resp: 76382

Ion Ratio Lower Upper

200 100

173 24.7 6.0 46.0

215 45.6 26.1 66.1



#70

Pentachlorophenol

Concen: 87.392 ng

RT: 11.174 min Scan# 1544

Delta R.T. -0.001 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

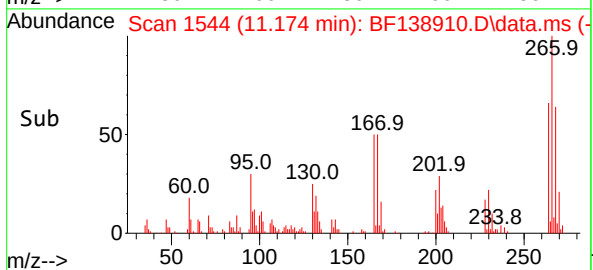
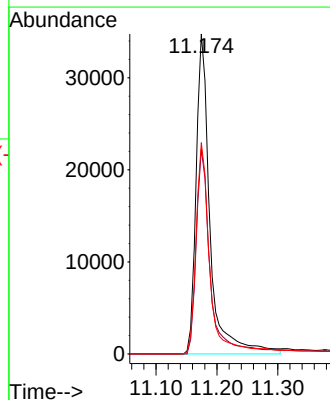
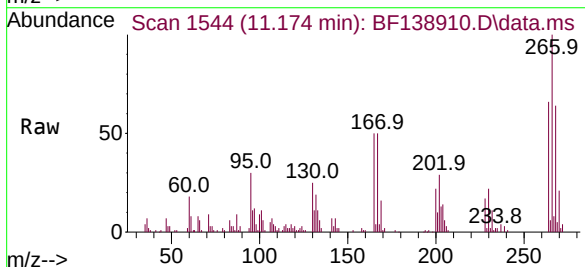
Tgt Ion:266 Resp: 55582

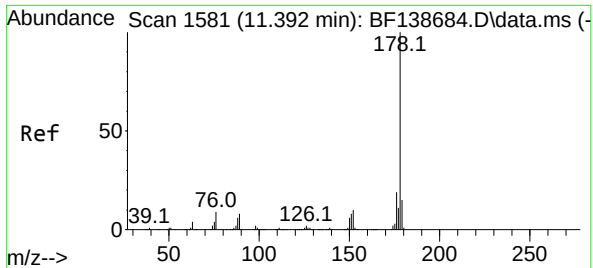
Ion Ratio Lower Upper

266 100

268 64.0 49.2 73.8

264 66.0 49.8 74.6





#71

Phenanthrene

Concen: 64.693 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

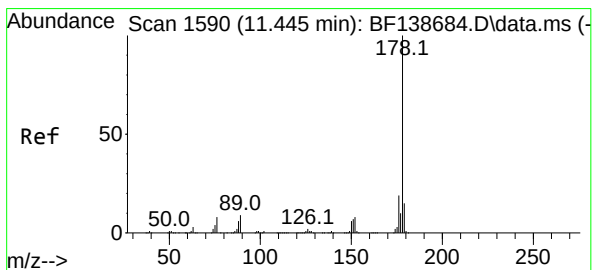
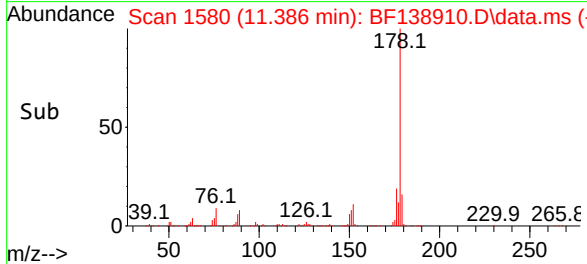
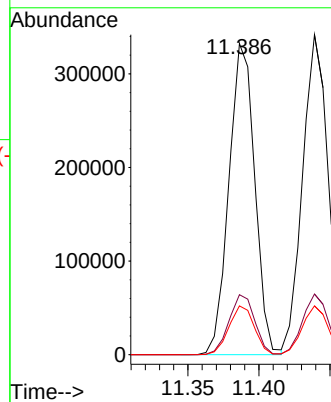
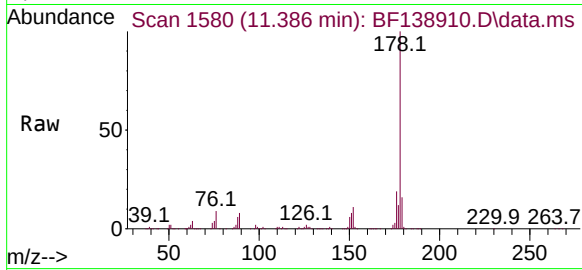
Tgt Ion:178 Resp: 420471

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.7 12.2 18.2



#72

Anthracene

Concen: 66.329 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

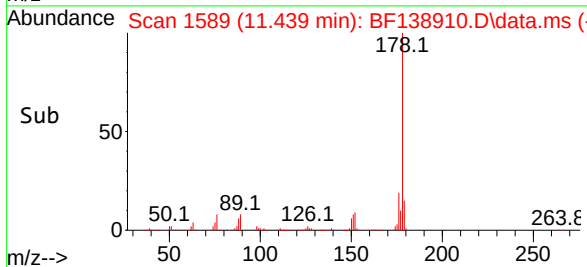
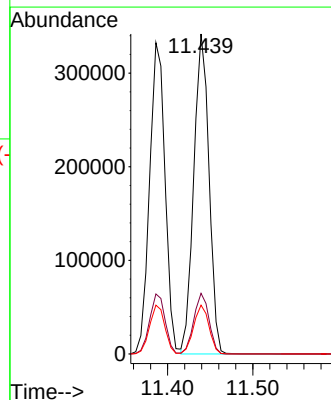
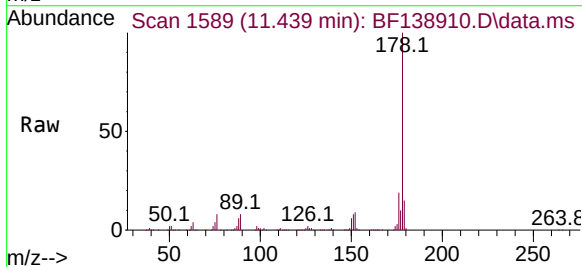
Tgt Ion:178 Resp: 424700

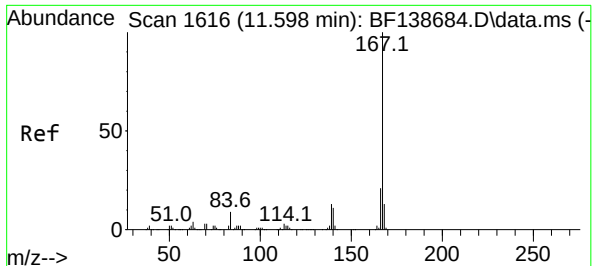
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

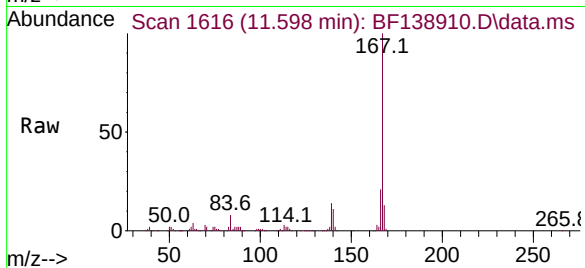
179 15.3 12.4 18.6



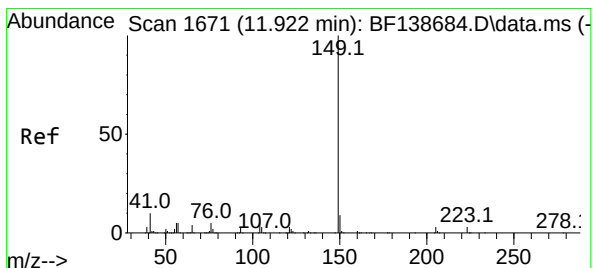
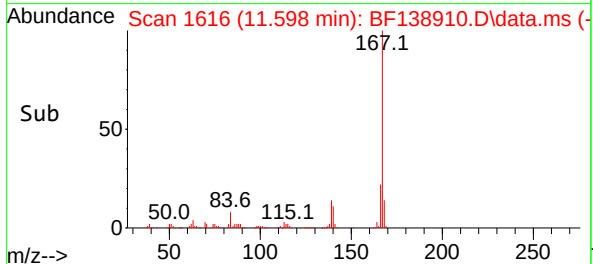
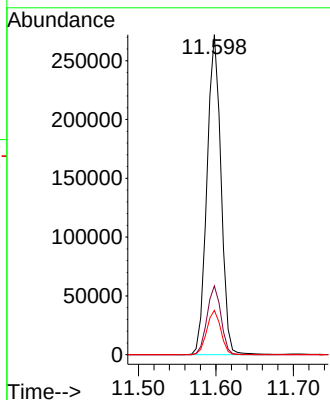


#73
Carbazole
Concen: 61.793 ng
RT: 11.598 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

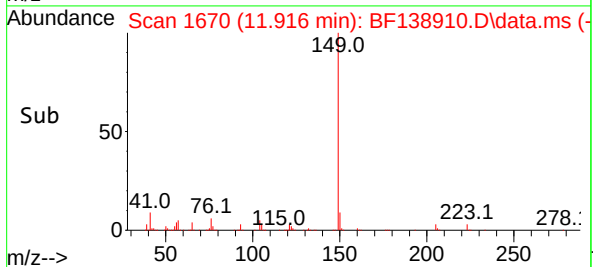
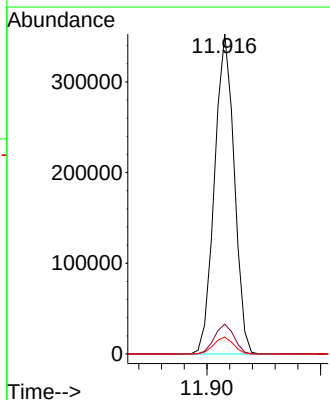
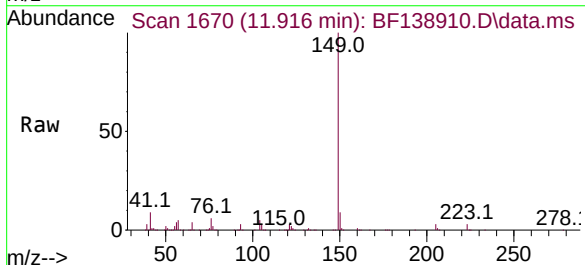


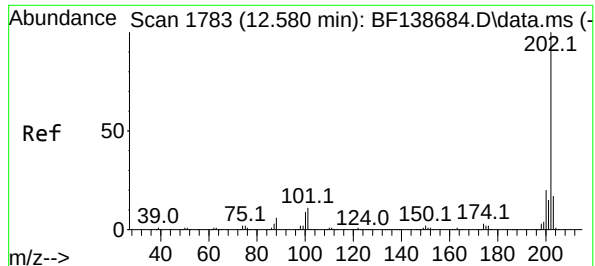
Tgt Ion:	167	Resp:	341348
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.8	10.6	16.0



#74
Di-n-butylphthalate
Concen: 68.422 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion:	149	Resp:	424896
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.3	4.1	6.1

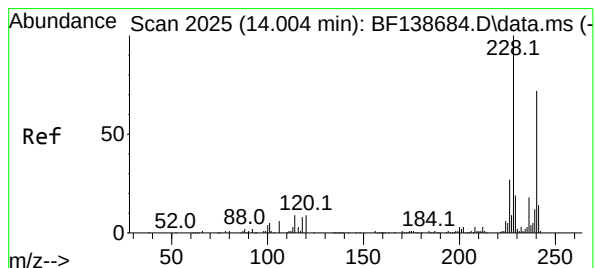
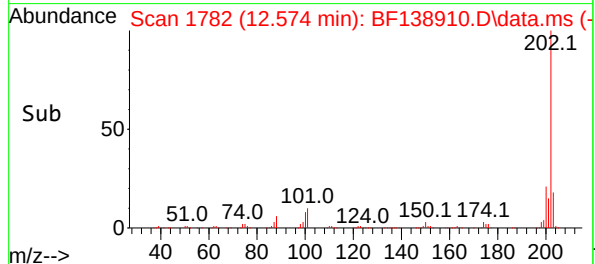
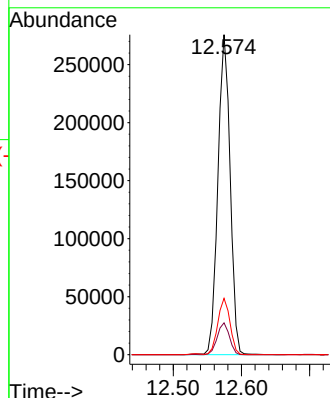
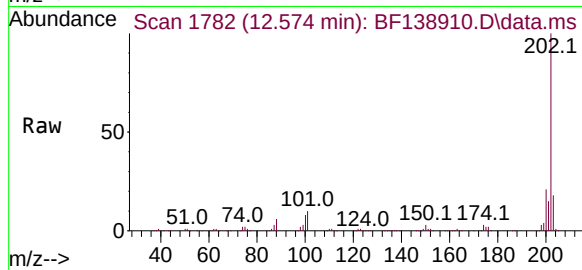




#75
Fluoranthene
Concen: 56.683 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

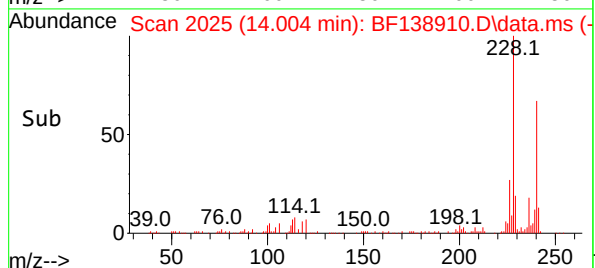
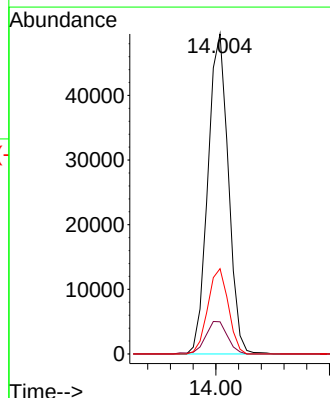
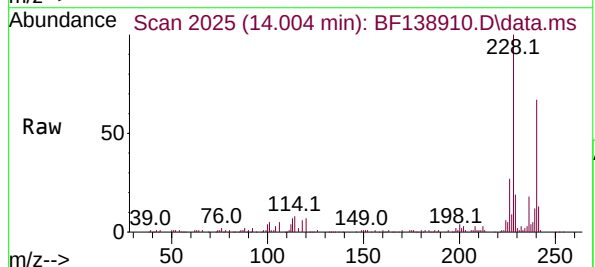
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD

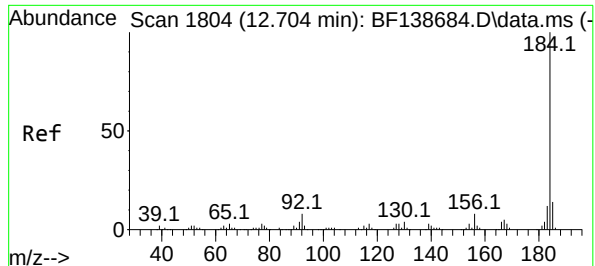
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.2
203	17.6	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.2	15.4#
236	26.6	19.8	29.8





#77

Benzidine

Concen: 35.805 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

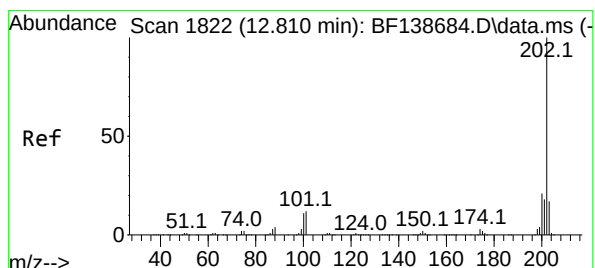
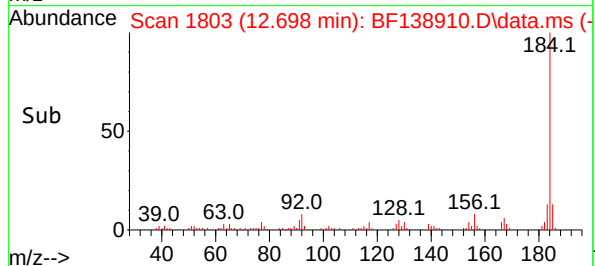
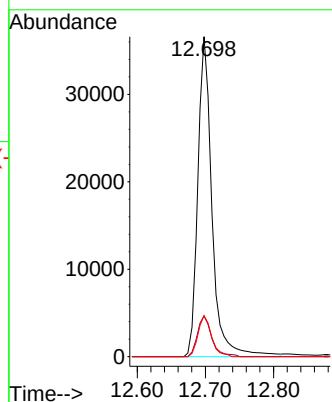
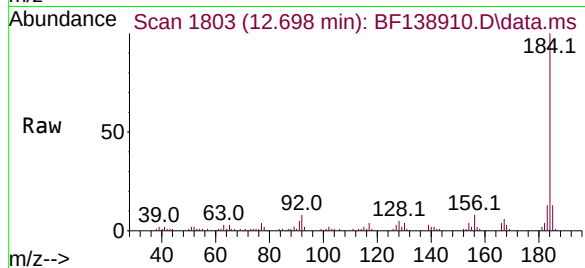
Tgt Ion:184 Resp: 52963

Ion Ratio Lower Upper

184 100

185 12.8 11.1 16.7

183 12.8 9.6 14.4



#78

Pyrene

Concen: 58.224 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

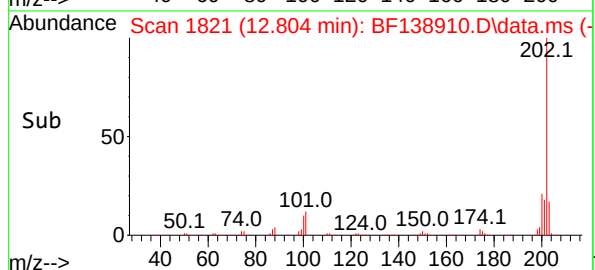
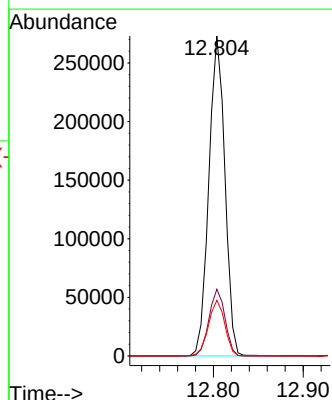
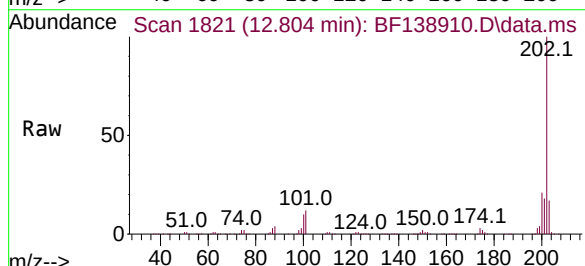
Tgt Ion:202 Resp: 339029

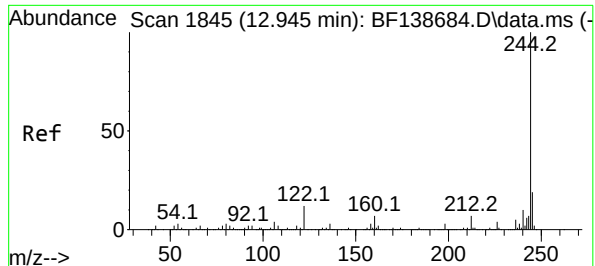
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 126.516 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138910.D

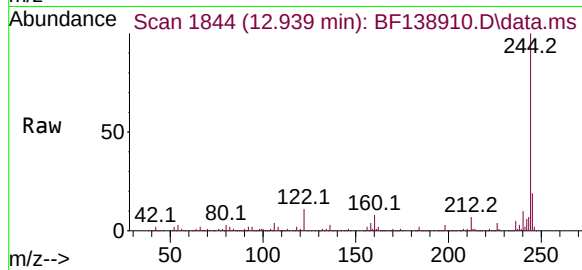
Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD



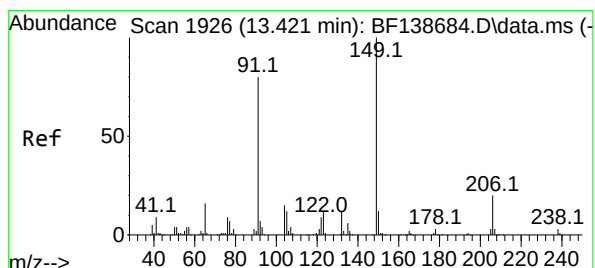
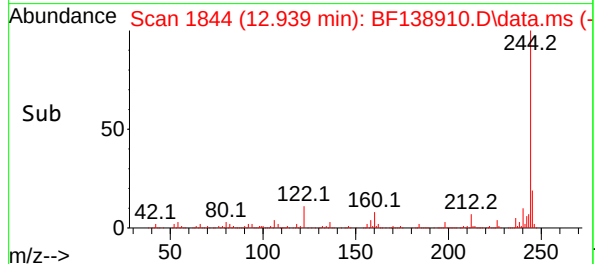
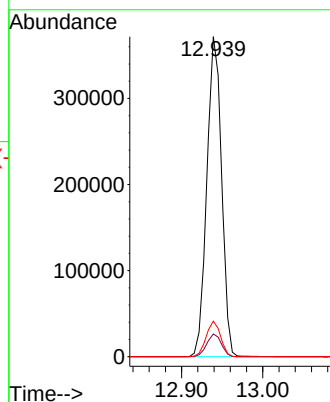
Tgt Ion:244 Resp: 467324

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.1 9.6 14.4



#80

Butylbenzylphthalate

Concen: 68.209 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

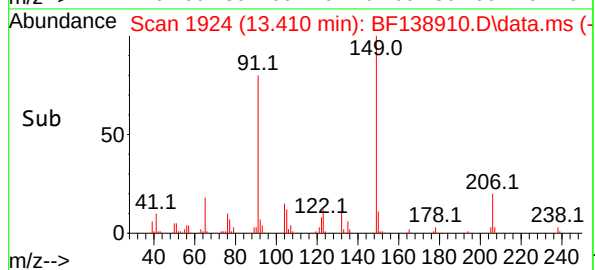
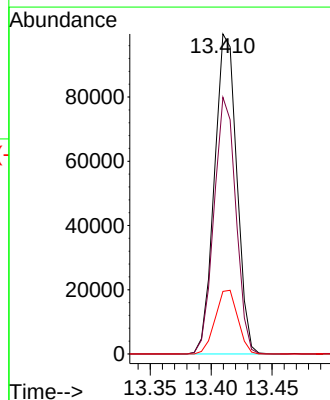
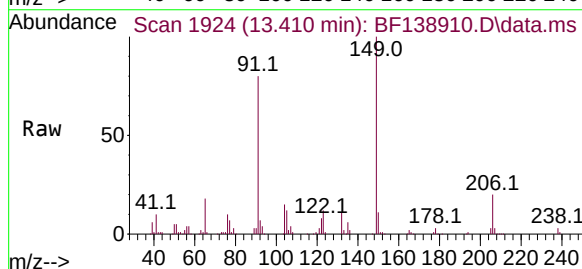
Tgt Ion:149 Resp: 127185

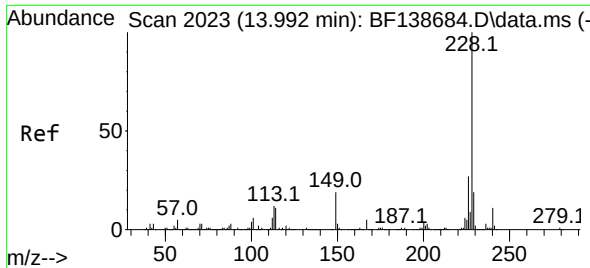
Ion Ratio Lower Upper

149 100

91 80.2 63.7 95.5

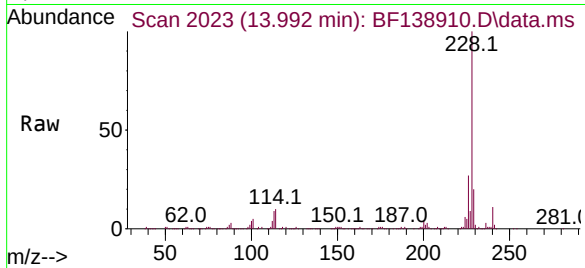
206 19.6 16.2 24.2



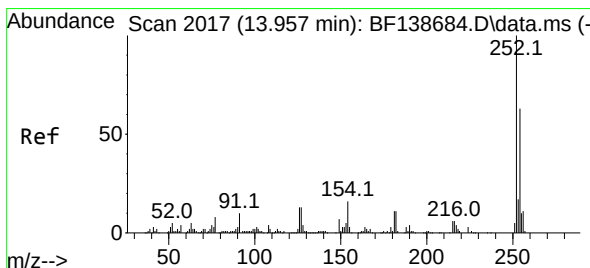
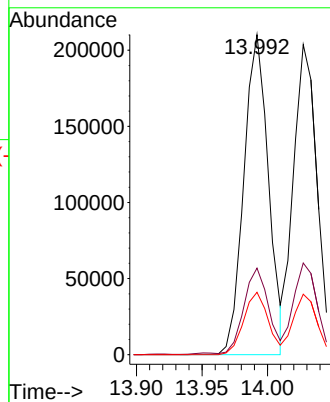
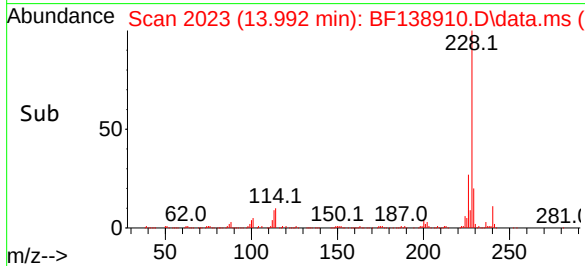


#81
Benzo(a)anthracene
Concen: 64.561 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19

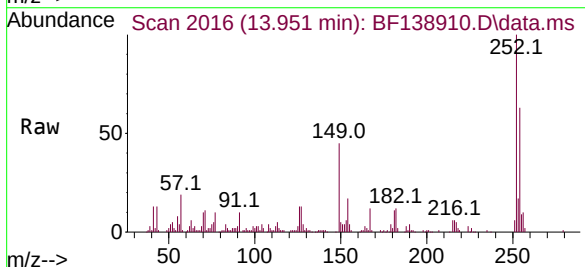
Instrument :
BNA_F
ClientSampleId :
MLS-15-70-85MSD



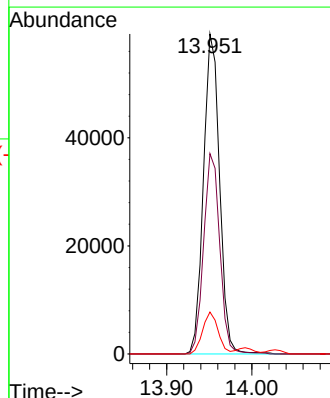
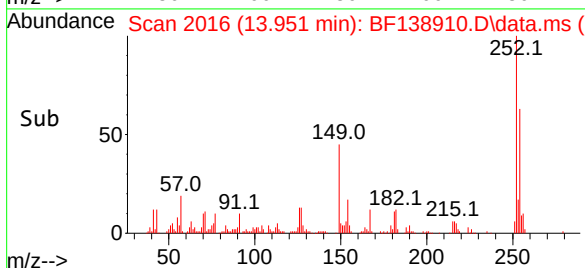
Tgt Ion:228 Resp: 274945
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 19.5 15.4 23.0

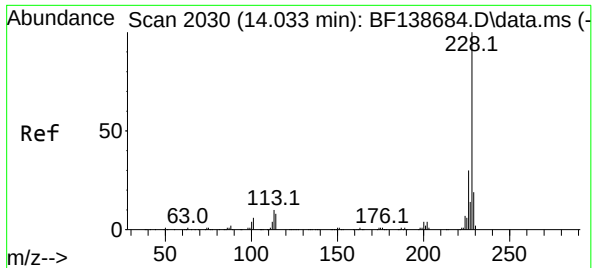


#82
3,3'-Dichlorobenzidine
Concen: 71.374 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138910.D
Acq: 10 Aug 2024 15:19



Tgt Ion:252 Resp: 77785
Ion Ratio Lower Upper
252 100
254 62.6 50.8 76.2
126 13.1 10.2 15.2





#83

Chrysene

Concen: 66.240 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

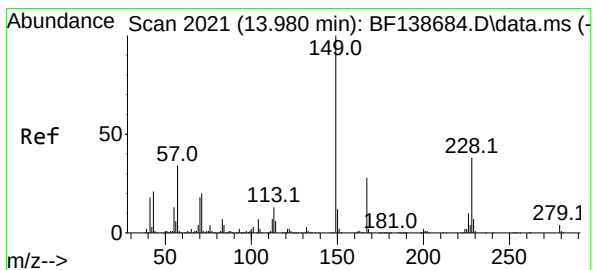
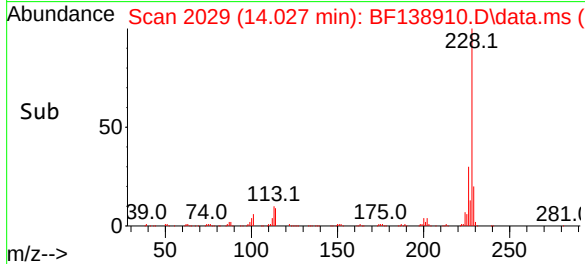
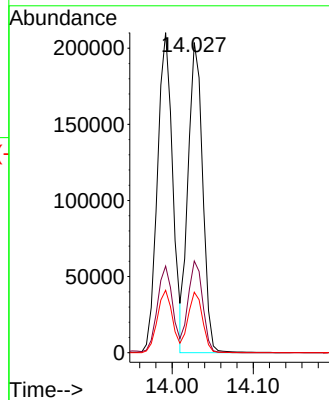
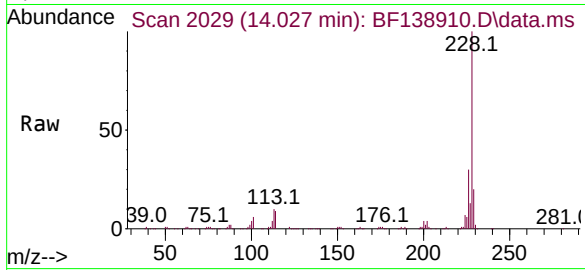
Tgt Ion:228 Resp: 254507

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 19.5 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 64.952 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

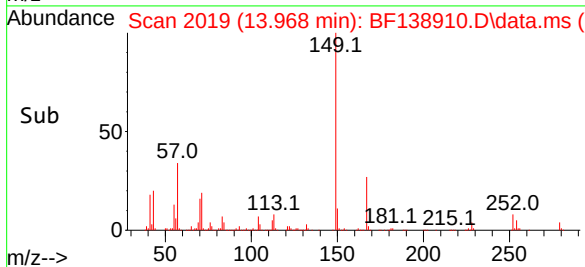
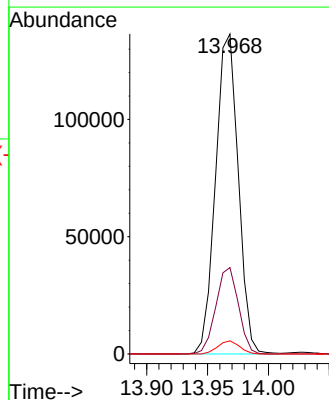
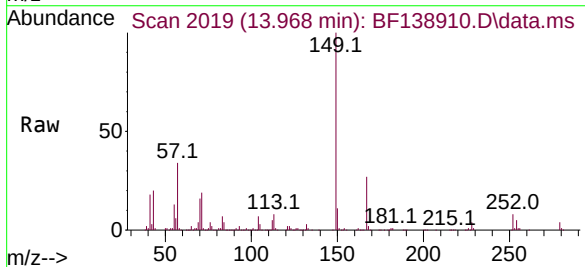
Tgt Ion:149 Resp: 177348

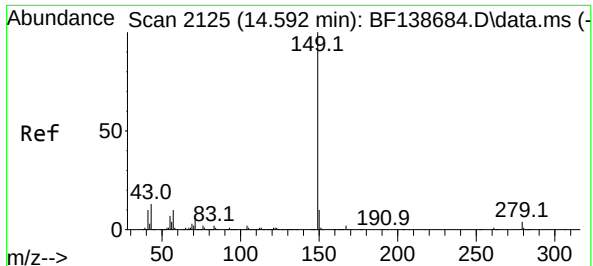
Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.4

279 4.1 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 63.800 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

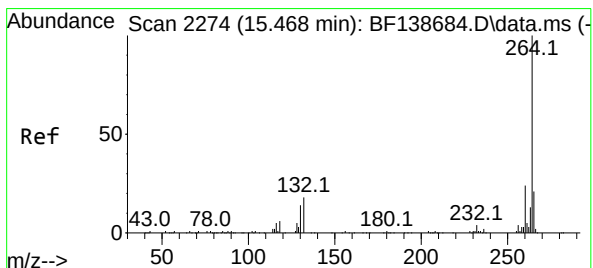
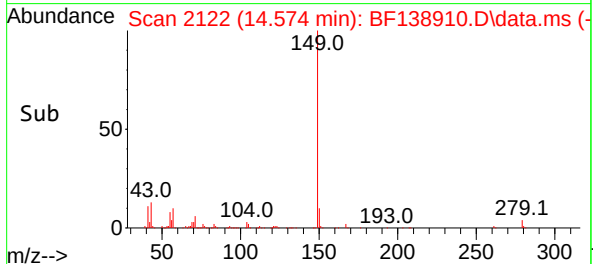
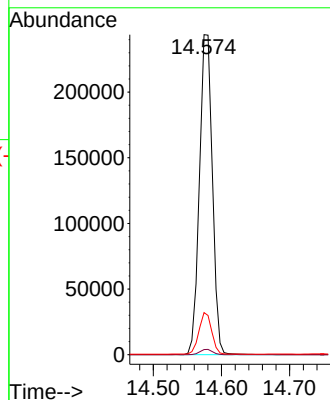
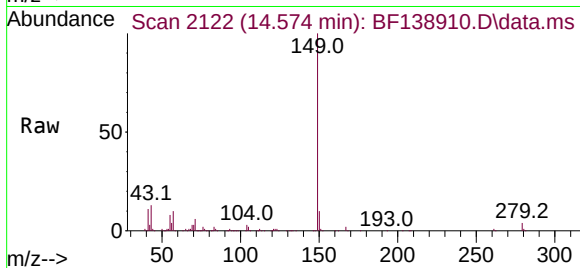
Tgt Ion:149 Resp: 322301

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 12.8 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

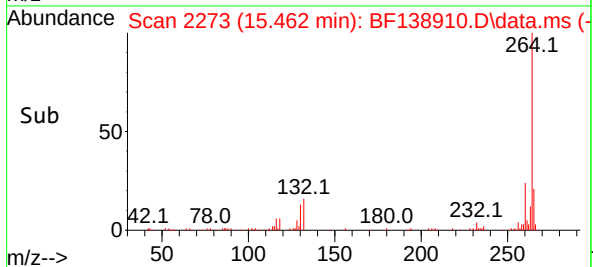
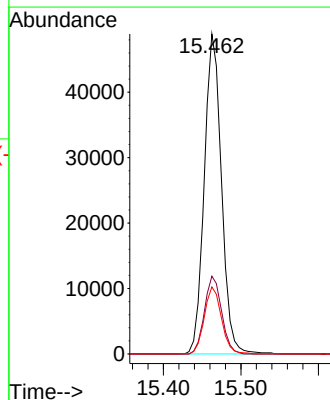
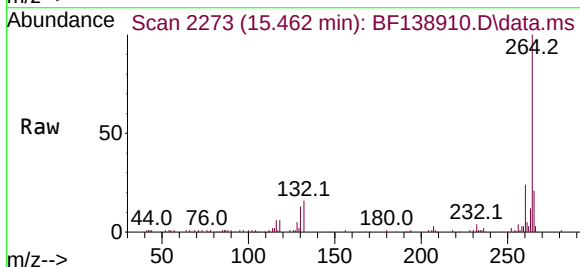
Tgt Ion:264 Resp: 75440

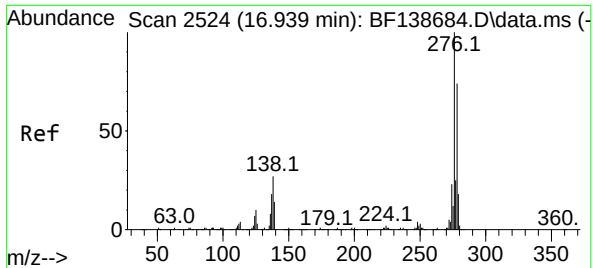
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 21.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.261 ng

RT: 16.945 min Scan# 2525

Delta R.T. 0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

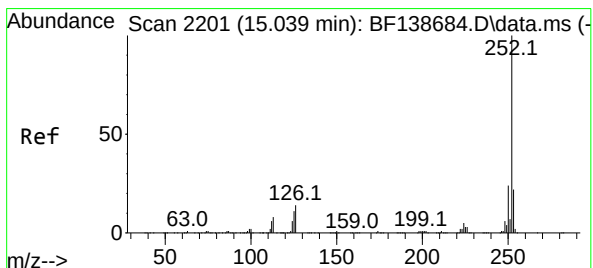
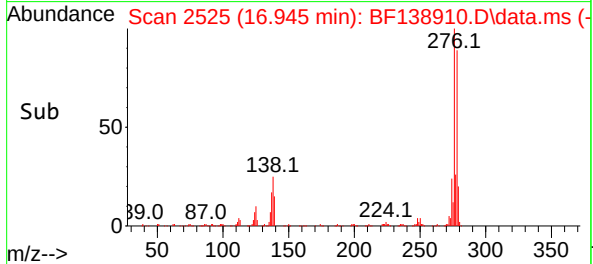
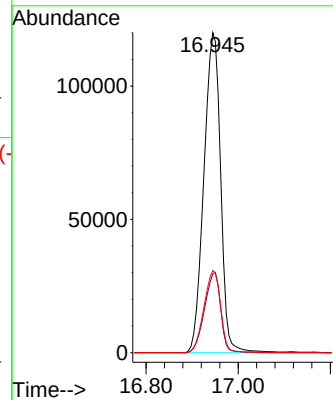
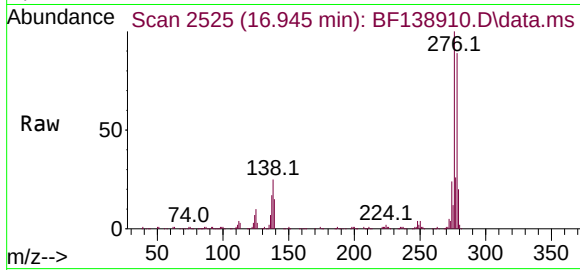
Tgt Ion:276 Resp: 304166

Ion Ratio Lower Upper

276 100

138 23.9 21.8 32.8

277 25.5 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 58.430 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

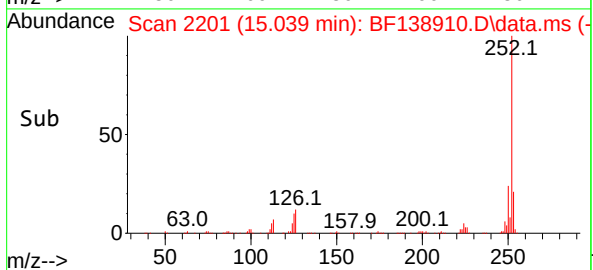
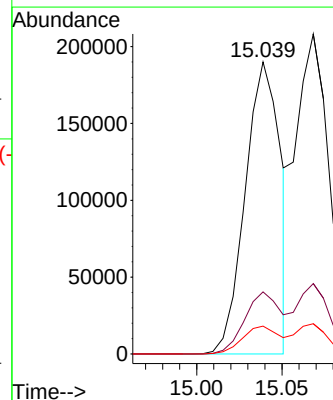
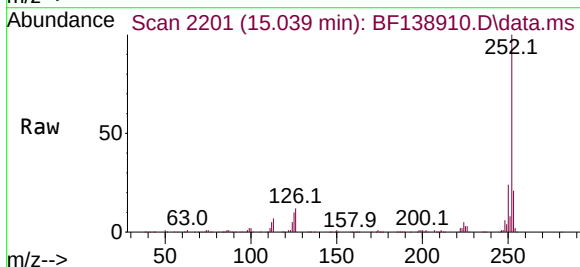
Tgt Ion:252 Resp: 273251

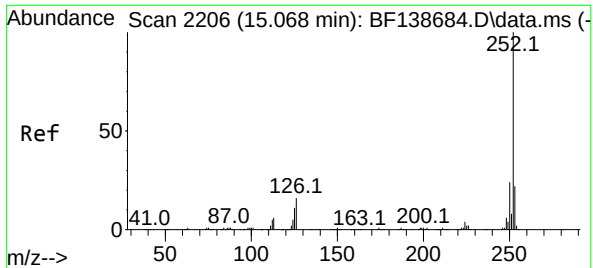
Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 9.6 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 70.197 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

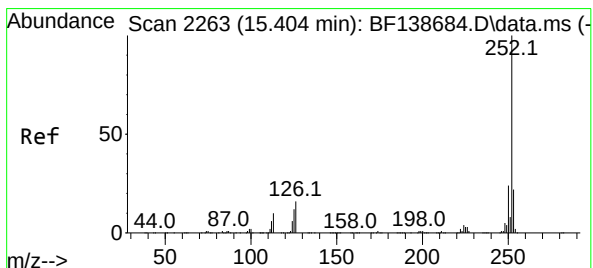
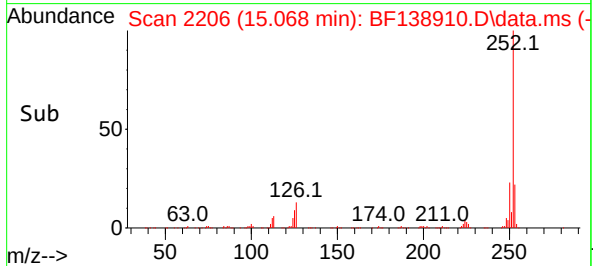
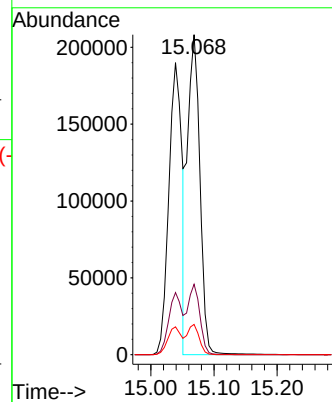
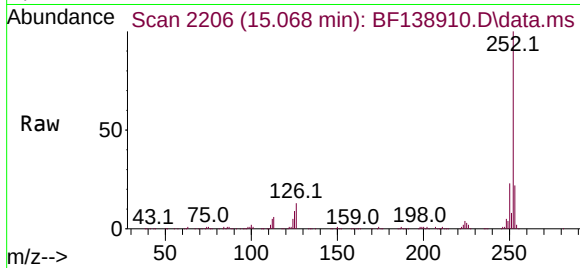
Tgt Ion:252 Resp: 284230

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.5 8.6 13.0



#90

Benzo(a)pyrene

Concen: 66.435 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

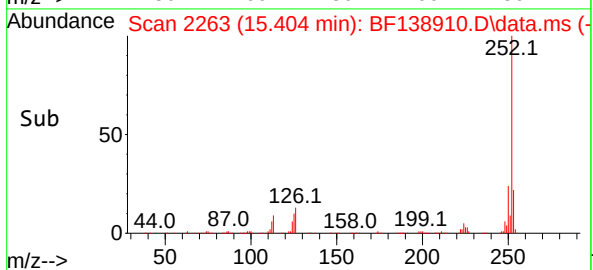
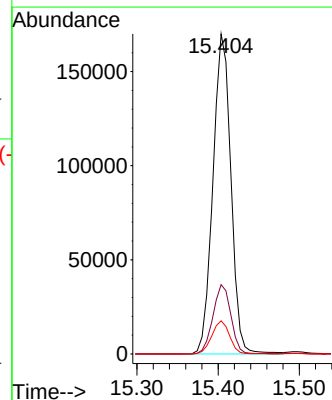
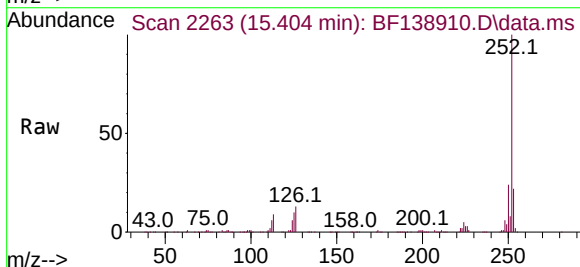
Tgt Ion:252 Resp: 261332

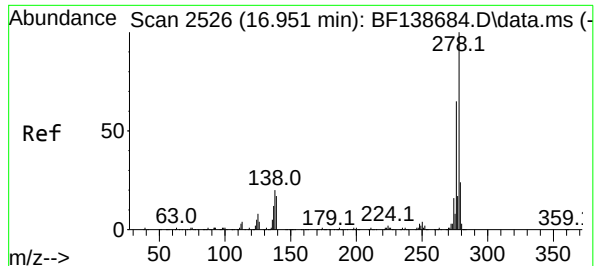
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.4 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 55.987 ng

RT: 16.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

Instrument :

BNA_F

ClientSampleId :

MLS-15-70-85MSD

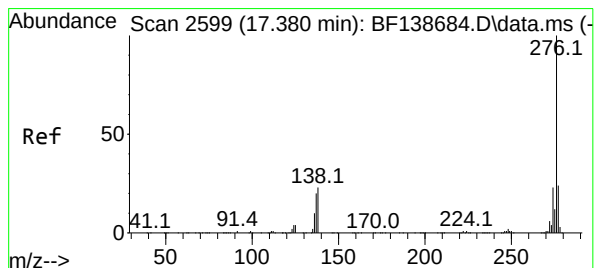
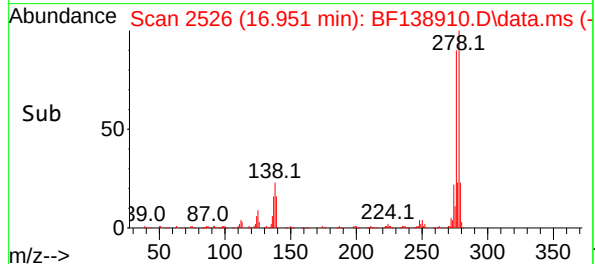
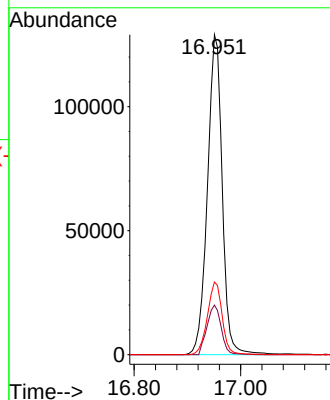
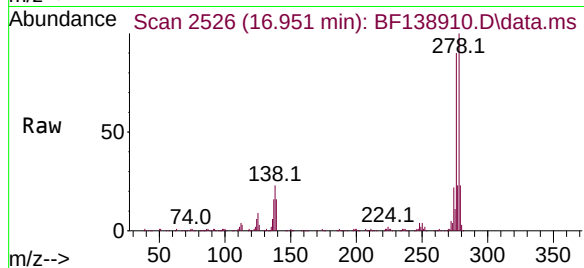
Tgt Ion:278 Resp: 248466

Ion Ratio Lower Upper

278 100

139 15.5 14.0 21.0

279 22.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 47.913 ng

RT: 17.386 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF138910.D

Acq: 10 Aug 2024 15:19

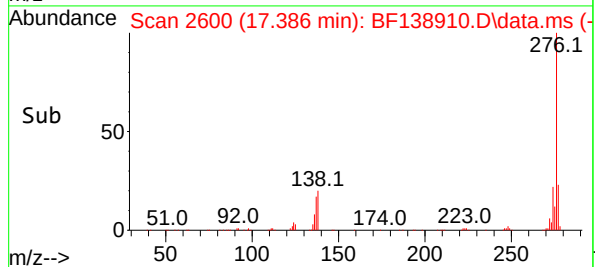
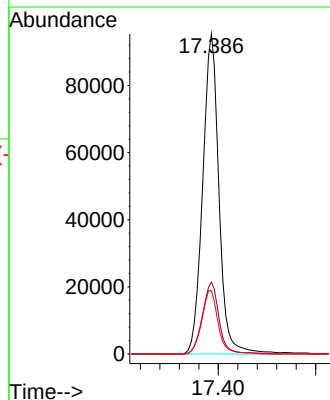
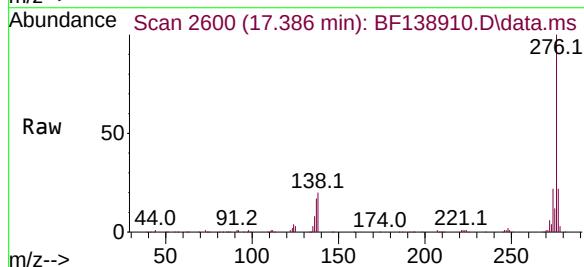
Tgt Ion:276 Resp: 220649

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.4

138 19.8 18.5 27.7





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

Manual Integration Report

Sequence:	bf073024	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF138682.D	Benzoic acid	yogesh	7/31/2024 6:39:36 AM	mohammad	7/31/2024 8:08:34 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:

bf080724

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BF080924

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF138879.D	2,3,4,6-Tetrachlorophen ol	yogesh	8/10/2024 12:55:26 AM	mohammad	8/12/2024 1:39:31 AM	Peak Integrated by Software
SSTDCCC040	BF138879.D	Caprolactam	yogesh	8/10/2024 12:55:26 AM	mohammad	8/12/2024 1:39:31 AM	Peak Integrated by Software
PB162423BS	BF138884.D	Caprolactam	yogesh	8/10/2024 12:55:29 AM	mohammad	8/12/2024 1:39:31 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BF081024	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF138901.D	Caprolactam	Jagrut	8/12/2024 5:09:23 PM	mohammad	8/13/2024 5:17:21 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF073024

Review By	yogesh	Review On	7/31/2024 6:39:45 AM
Supervise By	mohammad	Supervise On	7/31/2024 8:08:34 AM
SubDirectory	BF073024	HP Acquire Method	BNA_F
		HP Processing Method	bf073024
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557		
CCC	SP6553		
Internal Standard/PEM	S12036 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	BF138679.D	30 Jul 2024 12:24	RC/JU	Ok
2	SSTDICC2.5	BF138680.D	30 Jul 2024 12:54	RC/JU	Ok
3	SSTDICC005	BF138681.D	30 Jul 2024 13:25	RC/JU	Ok
4	SSTDICC010	BF138682.D	30 Jul 2024 13:56	RC/JU	Ok,M
5	SSTDICC020	BF138683.D	30 Jul 2024 14:25	RC/JU	Ok
6	SSTDICCC040	BF138684.D	30 Jul 2024 14:56	RC/JU	Ok
7	SSTDICC050	BF138685.D	30 Jul 2024 15:27	RC/JU	Ok
8	SSTDICC060	BF138686.D	30 Jul 2024 15:58	RC/JU	Ok
9	SSTDICC080	BF138687.D	30 Jul 2024 16:29	RC/JU	Ok
10	SSTDICV040	BF138688.D	30 Jul 2024 17:55	RC/JU	Ok
11	PB162188BL	BF138689.D	30 Jul 2024 18:26	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM
SubDirectory	BF080724	HP Acquire Method	BNA_F
		HP Processing Method	bf073024
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557		
CCC	SP6553		
Internal Standard/PEM	S12038 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	BF138833.D	07 Aug 2024 10:30	RC/JU	Ok
2	SSTDCCC040	BF138834.D	07 Aug 2024 11:00	RC/JU	Ok
3	PB162358BL	BF138835.D	07 Aug 2024 11:29	RC/JU	Ok
4	PB162463BL	BF138836.D	07 Aug 2024 11:59	RC/JU	Ok
5	P3440-01	BF138837.D	07 Aug 2024 12:34	RC/JU	Ok
6	P3440-02MS	BF138838.D	07 Aug 2024 13:04	RC/JU	Ok,M
7	P3440-03MSD	BF138839.D	07 Aug 2024 13:35	RC/JU	Ok
8	P3440-04	BF138840.D	07 Aug 2024 14:05	RC/JU	Ok
9	P3450-01	BF138841.D	07 Aug 2024 14:34	RC/JU	Ok
10	P3450-02	BF138842.D	07 Aug 2024 15:04	RC/JU	Ok
11	P3450-03	BF138843.D	07 Aug 2024 15:34	RC/JU	Ok
12	P3451-01	BF138844.D	07 Aug 2024 16:05	RC/JU	Ok
13	P3426-01	BF138845.D	07 Aug 2024 16:35	RC/JU	Ok
14	P3426-02	BF138846.D	07 Aug 2024 17:05	RC/JU	Ok
15	P3429-01	BF138847.D	07 Aug 2024 17:36	RC/JU	Ok
16	P3429-02	BF138848.D	07 Aug 2024 18:06	RC/JU	Ok
17	P3429-03	BF138849.D	07 Aug 2024 18:36	RC/JU	Ok
18	P3430-01	BF138850.D	07 Aug 2024 19:06	RC/JU	Ok
19	P3430-02	BF138851.D	07 Aug 2024 19:37	RC/JU	Ok
20	P3430-03	BF138852.D	07 Aug 2024 20:07	RC/JU	Ok
21	P3430-04	BF138853.D	07 Aug 2024 20:37	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM		
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM		
SubDirectory	BF080724	HP Acquire Method	BNA_F	HP Processing Method	bf073024
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557			
CCC		SP6553			
Internal Standard/PEM		S12038 10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P3430-05	BF138854.D	07 Aug 2024 21:08	RC/JU	Ok
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M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM
SubDirectory	BF080924	HP Acquire Method	BNA_F
		HP Processing Method	bf073024
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557		
CCC	SP6553		
Internal Standard/PEM	S12039,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF138878.D	09 Aug 2024 09:17	RC/JU	Ok
2	SSTDCCC040	BF138879.D	09 Aug 2024 09:48	RC/JU	Ok,M
3	PB162421BL	BF138880.D	09 Aug 2024 10:19	RC/JU	Ok
4	PB162358BL	BF138881.D	09 Aug 2024 10:50	RC/JU	Not Ok
5	PB162358BS	BF138882.D	09 Aug 2024 11:21	RC/JU	Ok,M
6	PB162423BL	BF138883.D	09 Aug 2024 11:52	RC/JU	Ok
7	PB162423BS	BF138884.D	09 Aug 2024 12:23	RC/JU	Ok,M
8	PB162489BL	BF138885.D	09 Aug 2024 12:55	RC/JU	Ok
9	PB162489BS	BF138886.D	09 Aug 2024 13:25	RC/JU	Ok,M
10	P3464-02	BF138887.D	09 Aug 2024 14:10	RC/JU	Ok
11	P3468-01	BF138888.D	09 Aug 2024 14:59	RC/JU	Ok
12	P3468-02	BF138889.D	09 Aug 2024 15:31	RC/JU	Ok
13	P3469-01	BF138890.D	09 Aug 2024 16:02	RC/JU	Ok
14	P3469-02	BF138891.D	09 Aug 2024 16:33	RC/JU	Ok
15	P3460-01	BF138892.D	09 Aug 2024 17:04	RC/JU	Ok
16	P3460-01MS	BF138893.D	09 Aug 2024 17:35	RC/JU	Ok,M
17	P3460-01MSD	BF138894.D	09 Aug 2024 18:05	RC/JU	Ok,M
18	P3507-01	BF138895.D	09 Aug 2024 18:35	RC/JU	Ok,M
19	P3509-01	BF138896.D	09 Aug 2024 19:06	RC/JU	Ok,M
20	P3509-01MS	BF138897.D	09 Aug 2024 19:36	RC/JU	Ok,M
21	P3509-01MSD	BF138898.D	09 Aug 2024 20:06	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM		
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM		
SubDirectory	BF080924	HP Acquire Method	BNA_F	HP Processing Method	bf073024
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557			
CCC		SP6553			
Internal Standard/PEM		S12039,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P3394-02	BF138899.D	09 Aug 2024 20:36	RC/JU	ReRun
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M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM
SubDirectory	BF081024	HP Acquire Method	BNA_F
		HP Processing Method	bf073024
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557		
CCC	SP6553		
Internal Standard/PEM	S12039,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF138900.D	10 Aug 2024 10:12	RC/JU	Ok
2	SSTDCCC040	BF138901.D	10 Aug 2024 10:41	RC/JU	Ok,M
3	PB162577TB	BF138902.D	10 Aug 2024 11:11	RC/JU	Ok
4	P3479-03	BF138903.D	10 Aug 2024 11:46	RC/JU	Ok
5	P3479-05	BF138904.D	10 Aug 2024 12:16	RC/JU	Ok
6	P3479-01	BF138905.D	10 Aug 2024 12:46	RC/JU	Ok
7	P3479-07	BF138906.D	10 Aug 2024 13:16	RC/JU	Ok
8	P3464-02MS	BF138907.D	10 Aug 2024 13:47	RC/JU	Ok,M
9	P3464-02MSD	BF138908.D	10 Aug 2024 14:17	RC/JU	Ok,M
10	P3415-04MS	BF138909.D	10 Aug 2024 14:48	RC/JU	Ok
11	P3415-05MSD	BF138910.D	10 Aug 2024 15:19	RC/JU	Ok
12	P3476-01	BF138911.D	10 Aug 2024 15:49	RC/JU	Ok
13	P3466-04	BF138912.D	10 Aug 2024 16:20	RC/JU	Ok
14	P3466-05	BF138913.D	10 Aug 2024 16:51	RC/JU	Ok
15	P3476-07	BF138914.D	10 Aug 2024 17:21	RC/JU	ReRun
16	P3457-01	BF138915.D	10 Aug 2024 17:52	RC/JU	Ok
17	P3457-02	BF138916.D	10 Aug 2024 18:22	RC/JU	Ok
18	P3466-01	BF138917.D	10 Aug 2024 18:53	RC/JU	Ok
19	P3466-02MS	BF138918.D	10 Aug 2024 19:23	RC/JU	Not Ok
20	P3466-03MSD	BF138919.D	10 Aug 2024 19:54	RC/JU	Not Ok
21	P3476-03	BF138920.D	10 Aug 2024 20:24	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM
SubDirectory	BF081024	HP Acquire Method	BNA_F
		HP Processing Method	bf073024
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557		
CCC	SP6553		
Internal Standard/PEM	S12039,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P3476-05	BF138921.D	10 Aug 2024 20:54	RC/JU	ReRun
23	P3467-01	BF138922.D	10 Aug 2024 21:25	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF073024

Review By	yogesh	Review On	7/31/2024 6:39:45 AM
Supervise By	mohammad	Supervise On	7/31/2024 8:08:34 AM
SubDirectory	BF073024	HP Acquire Method	BNA_F
		HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12036 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	BF138679.D	30 Jul 2024 12:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF138680.D	30 Jul 2024 12:54		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF138681.D	30 Jul 2024 13:25	Compound#32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF138682.D	30 Jul 2024 13:56		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF138683.D	30 Jul 2024 14:25	Comopund#41 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF138684.D	30 Jul 2024 14:56	The calibration is good for 8270 DOD & 625.1	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF138685.D	30 Jul 2024 15:27		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF138686.D	30 Jul 2024 15:58	Compound#9 removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF138687.D	30 Jul 2024 16:29	Compound#9,77 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF073024	BF138688.D	30 Jul 2024 17:55		RC/JU	Ok
11	PB162188BL	PB162188BL	BF138689.D	30 Jul 2024 18:26		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM
SubDirectory	BF080724	HP Acquire Method	BNA_F
		HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12038 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	BF138833.D	07 Aug 2024 10:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138834.D	07 Aug 2024 11:00		RC/JU	Ok
3	PB162358BL	PB162358BL	BF138835.D	07 Aug 2024 11:29		RC/JU	Ok
4	PB162463BL	PB162463BL	BF138836.D	07 Aug 2024 11:59		RC/JU	Ok
5	P3440-01	923-K1-WS-080124	BF138837.D	07 Aug 2024 12:34		RC/JU	Ok
6	P3440-02MS	923-K1-WS-080124MS	BF138838.D	07 Aug 2024 13:04		RC/JU	Ok,M
7	P3440-03MSD	923-K1-WS-080124MS	BF138839.D	07 Aug 2024 13:35		RC/JU	Ok
8	P3440-04	922-K1-WS-080124	BF138840.D	07 Aug 2024 14:05		RC/JU	Ok
9	P3450-01	921-J-WP0-0.25-080124	BF138841.D	07 Aug 2024 14:34		RC/JU	Ok
10	P3450-02	923-K1-WP0-0.25-080124	BF138842.D	07 Aug 2024 15:04		RC/JU	Ok
11	P3450-03	922-K1-WP0-0.25-080124	BF138843.D	07 Aug 2024 15:34		RC/JU	Ok
12	P3451-01	921-J-WS-080124	BF138844.D	07 Aug 2024 16:05		RC/JU	Ok
13	P3426-01	927-K1-WS-073124	BF138845.D	07 Aug 2024 16:35		RC/JU	Ok
14	P3426-02	927-K1-WS-073124-FD	BF138846.D	07 Aug 2024 17:05	Surrogate Fail	RC/JU	Ok
15	P3429-01	926-K1-WS-073124	BF138847.D	07 Aug 2024 17:36		RC/JU	Ok
16	P3429-02	931-K1-WS-073124	BF138848.D	07 Aug 2024 18:06		RC/JU	Ok
17	P3429-03	925-K1-WS-073124	BF138849.D	07 Aug 2024 18:36		RC/JU	Ok
18	P3430-01	927-K1-WPO-0-0.25-073124	BF138850.D	07 Aug 2024 19:06		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF080724

Review By	yogesh	Review On	8/8/2024 8:44:16 AM		
Supervise By	mohammad	Supervise On	8/8/2024 9:27:02 AM		
SubDirectory	BF080724	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12038 10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3430-02	927-K1-WPO-0-0.25-07	BF138851.D	07 Aug 2024 19:37		RC/JU	Ok
20	P3430-03	926-K1-WPO-0-0.25-07	BF138852.D	07 Aug 2024 20:07		RC/JU	Ok
21	P3430-04	931-K1-WPO-0-0.25-07	BF138853.D	07 Aug 2024 20:37		RC/JU	Ok
22	P3430-05	925-K1-WPO-0-0.25-07	BF138854.D	07 Aug 2024 21:08		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM
SubDirectory	BF080924	HP Acquire Method	BNA_F
		HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF138878.D	09 Aug 2024 09:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138879.D	09 Aug 2024 09:48		RC/JU	Ok,M
3	PB162421BL	PB162421BL	BF138880.D	09 Aug 2024 10:19		RC/JU	Ok
4	PB162358BL	PB162358BL	BF138881.D	09 Aug 2024 10:50	Surrogate Fail	RC/JU	Not Ok
5	PB162358BS	PB162358BS	BF138882.D	09 Aug 2024 11:21		RC/JU	Ok,M
6	PB162423BL	PB162423BL	BF138883.D	09 Aug 2024 11:52		RC/JU	Ok
7	PB162423BS	PB162423BS	BF138884.D	09 Aug 2024 12:23		RC/JU	Ok,M
8	PB162489BL	PB162489BL	BF138885.D	09 Aug 2024 12:55		RC/JU	Ok
9	PB162489BS	PB162489BS	BF138886.D	09 Aug 2024 13:25		RC/JU	Ok,M
10	P3464-02	TOPSOIL	BF138887.D	09 Aug 2024 14:10		RC/JU	Ok
11	P3468-01	IDW-S1-01	BF138888.D	09 Aug 2024 14:59		RC/JU	Ok
12	P3468-02	MLS-15-682-697	BF138889.D	09 Aug 2024 15:31		RC/JU	Ok
13	P3469-01	MLS-15-513-528	BF138890.D	09 Aug 2024 16:02		RC/JU	Ok
14	P3469-02	MLS-15-625-640	BF138891.D	09 Aug 2024 16:33		RC/JU	Ok
15	P3460-01	72-11929	BF138892.D	09 Aug 2024 17:04		RC/JU	Ok
16	P3460-01MS	72-11929MS	BF138893.D	09 Aug 2024 17:35		RC/JU	Ok,M
17	P3460-01MSD	72-11929MSD	BF138894.D	09 Aug 2024 18:05		RC/JU	Ok,M
18	P3507-01	EO-03-080724	BF138895.D	09 Aug 2024 18:35	Internal Standard Fail	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF080924

Review By	yogesh	Review On	8/10/2024 12:55:52 AM		
Supervise By	mohammad	Supervise On	8/12/2024 1:39:31 AM		
SubDirectory	BF080924	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3509-01	OR-02-080724	BF138896.D	09 Aug 2024 19:06	Internal Standard Fail	RC/JU	Ok,M
20	P3509-01MS	OR-02-080724MS	BF138897.D	09 Aug 2024 19:36	Internal Standard Fail	RC/JU	Ok,M
21	P3509-01MSD	OR-02-080724MSD	BF138898.D	09 Aug 2024 20:06	Internal Standard Fail	RC/JU	Ok,M
22	P3394-02	B-105-SB02	BF138899.D	09 Aug 2024 20:36	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM
SubDirectory	BF081024	HP Acquire Method	BNA_F
		HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF138900.D	10 Aug 2024 10:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138901.D	10 Aug 2024 10:41		RC/JU	Ok,M
3	PB162577TB	PB162577TB	BF138902.D	10 Aug 2024 11:11		RC/JU	Ok
4	P3479-03	TS09	BF138903.D	10 Aug 2024 11:46		RC/JU	Ok
5	P3479-05	TS10	BF138904.D	10 Aug 2024 12:16		RC/JU	Ok
6	P3479-01	TS08	BF138905.D	10 Aug 2024 12:46		RC/JU	Ok
7	P3479-07	TS11	BF138906.D	10 Aug 2024 13:16		RC/JU	Ok
8	P3464-02MS	TOPSOILMS	BF138907.D	10 Aug 2024 13:47	Internal Standard Fail	RC/JU	Ok,M
9	P3464-02MSD	TOPSOILMSD	BF138908.D	10 Aug 2024 14:17	Internal Standard Fail,	RC/JU	Ok,M
10	P3415-04MS	MLS-15-70-85MS	BF138909.D	10 Aug 2024 14:48		RC/JU	Ok
11	P3415-05MSD	MLS-15-70-85MSD	BF138910.D	10 Aug 2024 15:19		RC/JU	Ok
12	P3476-01	MUL04	BF138911.D	10 Aug 2024 15:49		RC/JU	Ok
13	P3466-04	932-K1-WP0-0.25-0802	BF138912.D	10 Aug 2024 16:20		RC/JU	Ok
14	P3466-05	919-J-WP0-0.25-08022	BF138913.D	10 Aug 2024 16:51		RC/JU	Ok
15	P3476-07	MUL07	BF138914.D	10 Aug 2024 17:21	Internal Standard Fail	RC/JU	ReRun
16	P3457-01	924-K1-WS-080224	BF138915.D	10 Aug 2024 17:52		RC/JU	Ok
17	P3457-02	932-K1-WS-080224	BF138916.D	10 Aug 2024 18:22		RC/JU	Ok
18	P3466-01	924-K1-WP0-0.25-0802	BF138917.D	10 Aug 2024 18:53		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF081024

Review By	Jagrut	Review On	8/12/2024 5:10:00 PM		
Supervise By	mohammad	Supervise On	8/13/2024 5:17:21 AM		
SubDirectory	BF081024	HP Acquire Method	BNA_F	HP Processing Method	bf073024
STD. NAME	STD REF.#				
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557				
CCC	SP6553				
Internal Standard/PEM	S12039,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P3466-02MS	924-K1-WP0-0.25-0802	BF138918.D	10 Aug 2024 19:23	MSD not ok	RC/JU	Not Ok
20	P3466-03MSD	924-K1-WP0-0.25-0802	BF138919.D	10 Aug 2024 19:54	Internal Standard Fail	RC/JU	Not Ok
21	P3476-03	MUL05	BF138920.D	10 Aug 2024 20:24		RC/JU	Ok
22	P3476-05	MUL06	BF138921.D	10 Aug 2024 20:54	Internal Standard Fail	RC/JU	ReRun
23	P3467-01	919-J-WS-080224	BF138922.D	10 Aug 2024 21:25		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A **Extraction Start Date :** 08/01/2024

Matrix : Water **Extraction Start Time :** 08:20

Weigh By: N/A **Extraction By:** RJ **Extraction End Date :** 08/01/2024

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 15:00

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** RS

pH Strip Lot#: E3574 **Hood ID:** 4,6,7 **Supervisor By :** rajesh

Extraction Method: ☒ Separatory Funne ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6525
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	E3771
Baked Na2SO4	N/A	EP2518
H2SO4 1:1	N/A	EP2499
10N NaoH	N/A	EP2514
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:

pH Adjusted to < 2 with 1:1 H2SO4 and > 11 with 10N NaOH, 1.5ML Vial Lot # 2210673. P3429,3430 Added in batch at 10:05. P3426-02 Limited volume recd.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NE VAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/01/24	RP (Eft. 205)	RC / SVOC
15:05	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 08/01/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162423BL	SBLK423	SVOC-TCL BNA -20	1000	6	ritesh	RUPESH	1			SEP-1
PB162423BS	SLCS423	SVOC-TCL BNA -20	1000	6	ritesh	RUPESH	1			2
P3415-03	MLS-15-70-85	SVOC-TCL BNA -20	960	6	ritesh	RUPESH	1	E		3
P3415-04	P3415-03MS	SVOC-TCL BNA -20	960	6	ritesh	RUPESH	1	E		4
P3415-05	P3415-03MSD	SVOC-TCL BNA -20	960	6	ritesh	RUPESH	1	E		5
P3416-01	MLS-15-106-121	SVOC-TCL BNA -20	890	6	ritesh	RUPESH	1	A		6
P3416-02	MLS-15-135-150	SVOC-TCL BNA -20	980	6	ritesh	RUPESH	1	A		7
P3416-03	MLS-15-9999	SVOC-TCL BNA -20	970	6	ritesh	RUPESH	1	A		8
P3426-01	927-K1-WS-073124	SVOCMS Group6	950	6	ritesh	RUPESH	1	F		9
P3426-02	927-K1-WS-073124-FD	SVOCMS Group6	500	6	ritesh	RUPESH	0.5	E		10
P3429-01	926-K1-WS-073124	SVOCMS Group6	980	6	ritesh	RUPESH	1	E		11
P3429-02	931-K1-WS-073124	SVOCMS Group6	990	6	ritesh	RUPESH	1	E		12
P3429-03	925-K1-WS-073124	SVOCMS Group6	960	6	ritesh	RUPESH	1	E		13
P3430-01	927-K1-WP0-0-0.25-073 124	SVOCMS Group6	990	6	ritesh	RUPESH	1	L		14
P3430-02	927-K1-WP0-0-0.25-073 124	SVOCMS Group6	980	6	ritesh	RUPESH	1	L		15
P3430-03	926-K1-WP0-0-0.25-073 124	SVOCMS Group6	1000	6	ritesh	RUPESH	1	L		16
P3430-04	931-K1-WP0-0-0.25-073 124	SVOCMS Group6	970	6	ritesh	RUPESH	1	L		17
P3430-05	925-K1-WP0-0-0.25-073 124	SVOCMS Group6	990	6	ritesh	RUPESH	1	L		18

* Extracts relinquished on the same date as received.



8:20
167623

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3415

WorkList ID : 182259

Department : Extraction

Date : 08-01-2024 08:07:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3415-03	MLS-15-70-85	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3415-04	P3415-03MS	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3415-05	P3415-03MSD	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3416-01	MLS-15-106-121	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3416-02	MLS-15-135-150	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3416-03	MLS-15-9999	Water	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	N21	07/30/2024	8270E
P3426-01	927-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	E21	07/31/2024	8270E
P3426-02	927-K1-WS-073124-FD	Water	SVOCMS Group6	Cool 4 deg C	JACO05	E21	07/31/2024	8270E

Date/Time 08/01/24 8:15
Raw Sample Received by: RP (Set 143)
Raw Sample Relinquished by: AS

Date/Time 08/01/24 8:15
Raw Sample Received by: AS
Raw Sample Relinquished by: RP (Set 143)

132
162423
10:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3429

WorkList ID : 182288

Department : Extraction

Date : 08-01-2024 10:00:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3429-01	926-K1-WS-073124	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	07/31/2024	8270-Modified
P3429-01	926-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3429-02	931-K1-WS-073124	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	07/31/2024	8270-Modified
P3429-02	931-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3429-03	925-K1-WS-073124	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	07/31/2024	8270-Modified
P3429-03	925-K1-WS-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-01	927-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-02	927-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-03	926-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-04	931-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E
P3430-05	925-K1-WP0-0-0.25-073124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	07/31/2024	8270E

Date/Time 08/01/24 10:00

Raw Sample Received by: RS (Ext 204)

Raw Sample Relinquished by: RM SM

Date/Time 08/01/24 10:30

Raw Sample Received by: RM SM

Raw Sample Relinquished by: RS (Ext 106)

Prep Standard - Chemical Standard Summary

Order ID : P3429

Test : SVOCMS Group6

Prepbatch ID : PB162423,

Sequence ID/Qc Batch ID: BF080724,BF080924,BF081024,

Standard ID :

EP2499,EP2514,EP2518,SP6524,SP6525,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,

Chemical ID :

10ul/1000ul

sample,E3551,E3657,E3744,E3746,E3753,E3768,E3771,M5037,S10102,S10247,S10398,S10591,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11092,S11096,S11102,S11136,S11148,S11434,S11546,S11548,S11554,S11557,S11560,S11563,S11564,S11565,S11566,S11762,S11763,S11764,S11765,S11766,S11898,S11899,S11900,S11901,S11902,S11903,S11904,S11905,S11906,S12033,S12038,S12038 10ul/1000ul sample,S12039,S12076,S12088,S12089,S12090,S12091,S12092,S12093,S12094,S12095,S12096,S12097,S12112,S12117,S9675,W2606,W3112,

Extractions 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>
314	1.1 H2SO4 SOLN	EP2499	06/17/2024	10/24/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 06/17/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W2606 = Final Quantity: 2000.000 ml

<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	EP2514	07/17/2024	01/17/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 07/17/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml



<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	EP2518	07/26/2024	01/03/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Rajesh Parikh
FROM 1.00000gram of E3551 = Final Quantity: 4000.000 gram								

<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>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6524	05/31/2024	11/29/2024	Jagrut Upadhyay	None	None	Yogesh Patel
<u>FROM</u> 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = Final Quantity: 2000.000 ml								

[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	SP6549	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024
<u>FROM</u>	0.26700ml of S10102 + 0.40000ml of S11434 + 0.50000ml of S12112 + 1.00000ml of S11092 + 1.00000ml of S11096 + 1.00000ml of S11102 + 1.00000ml of S11148 + 1.00000ml of S12076 + 3.83300ml of E3746 = Final Quantity: 10.000 ml							

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	SP6550	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.01000ml of S12033 + 0.20000ml of E3746 + 0.80000ml of SP6549 = Final Quantity: 1.010 ml

<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	SP6551	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.01000ml of S12033 + 0.40000ml of E3746 + 0.60000ml of SP6549 = Final Quantity: 1.010 ml

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	SP6552	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6549 = Final Quantity: 1.010 ml

<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	SP6553	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3746 + 0.40000ml of SP6549 = Final Quantity: 1.010 ml

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	SP6554	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.01000ml of S12033 + 0.80000ml of E3746 + 0.20000ml of SP6549 = Final Quantity: 1.010 ml

<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	SP6555	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.01000ml of S12033 + 0.90000ml of E3746 + 0.10000ml of SP6549 = Final Quantity: 1.010 ml

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	SP6556	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
07/09/2024								

FROM 0.01000ml of S12033 + 0.95000ml of E3746 + 0.05000ml of SP6549 = Final Quantity: 1.010 ml

<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	SP6557	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
07/09/2024								

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6556 = Final Quantity: 1.010 ml

[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								
<u>FROM</u>	1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 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)	24C0162011	11/25/2024	05/25/2024 / Rajesh	05/08/2024 / Rajesh	E3746

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	12/01/2024	06/01/2024 / Rajesh	05/31/2024 / Rajesh	E3753

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24F1062004	01/19/2025	07/19/2024 / Rajesh	07/16/2024 / Rajesh	E3771

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	09/29/2024	03/29/2024 / Jagrut	12/09/2021 / Christian	S10102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, 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	08/29/2024	02/29/2024 / Jagrut	07/05/2022 / Christian	S10591

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-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11102

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	08/29/2024	02/29/2024 / Jagrut	02/20/2023 / Christian	S11136

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	01/09/2025	07/09/2024 / Jagrut	03/06/2023 / Christian	S11148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	503442	08/26/2024	07/09/2024 / Jagrut	07/26/2023 / yogesh	S11434

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0201940	10/26/2024	04/26/2024 / Rahul	09/18/2023 / Kiran	S11546

[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	S11548

[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	S11554

[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]	A0201940	11/16/2024	05/16/2024 / Jagrut	09/18/2023 / Kiran	S11557

[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	S11560

[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	S11563

[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	S11564

[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	S11565

[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]

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	11/13/2024	05/13/2024 / Jagrut	11/21/2023 / Rahul	S11762

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	12/05/2024	06/05/2024 / Rahul	11/21/2023 / Rahul	S11763

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	12/05/2024	06/05/2024 / Rahul	11/21/2023 / Rahul	S11764

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	12/05/2024	06/05/2024 / Rahul	11/21/2023 / Rahul	S11765

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11898

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11899

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11900

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]	A0197982	10/26/2024	04/26/2024 / Rahul	11/21/2023 / rahul	S11901

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]	A0197982	11/16/2024	05/16/2024 / Jagrut	11/21/2023 / rahul	S11902

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11903

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11904

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11905

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11906

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	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, CH ₂ Cl ₂ , 1mL	A0201320	02/05/2025	08/05/2024 / Rahul	12/21/2023 / Rahul	S12038

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	A0201320	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	01/09/2025	07/09/2024 / Jagrut	01/31/2024 / Rahul	S12076

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	10/26/2024	04/26/2024 / Rahul	02/05/2024 / Rahul	S12088

[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	11/16/2024	05/16/2024 / Jagrut	02/05/2024 / Rahul	S12089

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12090

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12091

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12092

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12093

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12094

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12095

[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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12096

[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	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 #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	01/09/2025	07/09/2024 / Jagrut	03/08/2024 / Rahul	S12112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

CHEMICAL RECEIPT LOG BOOK

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]	A0175226	08/31/2024	06/05/2024 / Rahul	08/12/2021 / Christian	S9675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

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 / lwona	07/03/2024 / lwona	W3112



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Date Received: _____

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Rev 0

Page 1 of 1

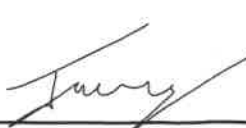
Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

<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-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090	440246	≤ -10 °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 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

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.

Certified By: _____

Erica Castiglione
Chemist



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Santa Rosa, CA 95403

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Receivalon
02/07/23 by CG
51096
to
51099
Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

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

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

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
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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

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



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Received on
08/12/21
by
CG
S 9671
to
S 9675

Catalog No. : 555869 **Lot No.:** A0175226

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Hexachlorocyclopentadiene CAS # 77-47-4 (Lot 0012019) Purity 99%	25,032.0 µg/mL	+/- 231.6508 µg/mL Gravimetric +/- 1,251.3257 µg/mL Unstressed +/- 1,281.8032 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Lane Kibe
Lane Kibe - Mix Technician

Date Mixed: 09-Aug-2021

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 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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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:

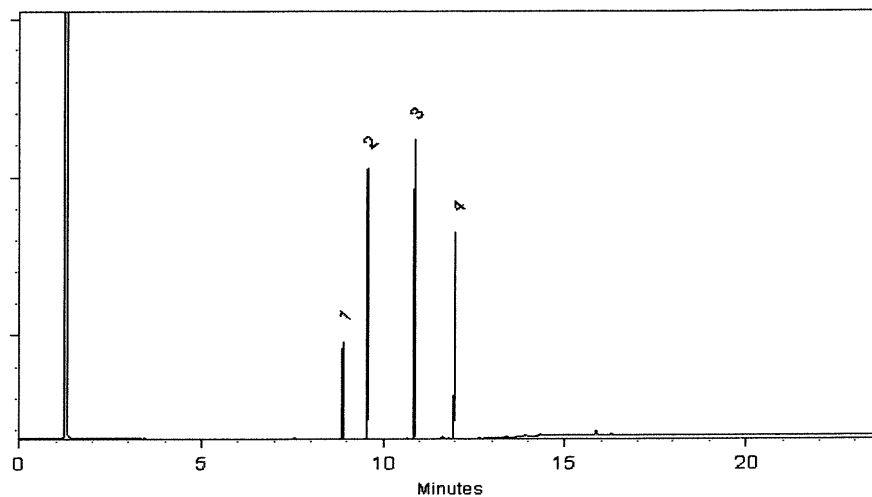
250°C

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



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Gravimetric Certificate



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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. : 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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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom 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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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

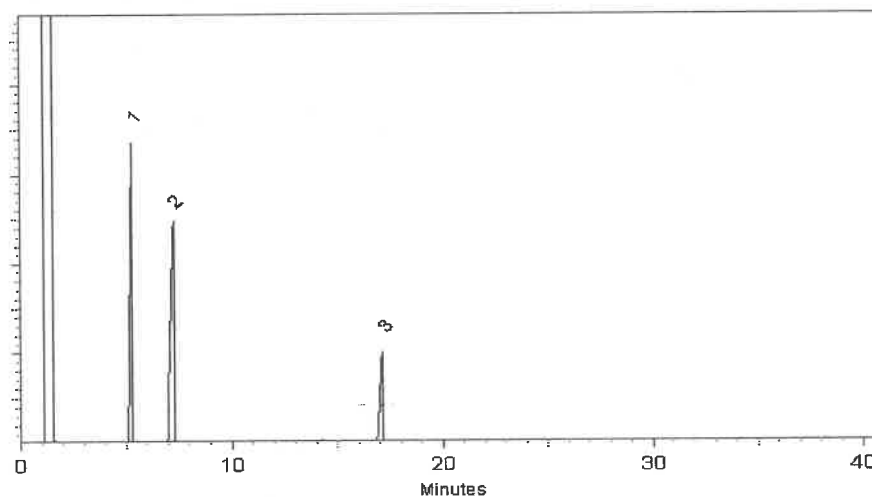
250°C

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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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:

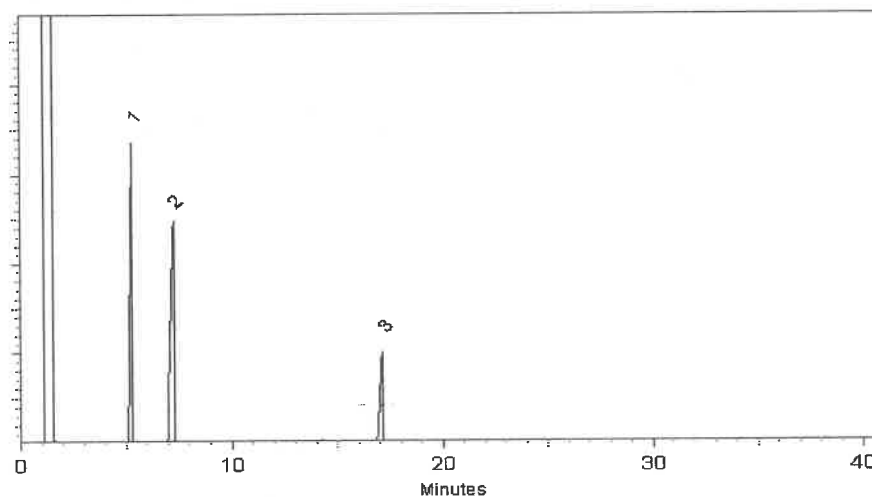
250°C

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

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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
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S10951
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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:

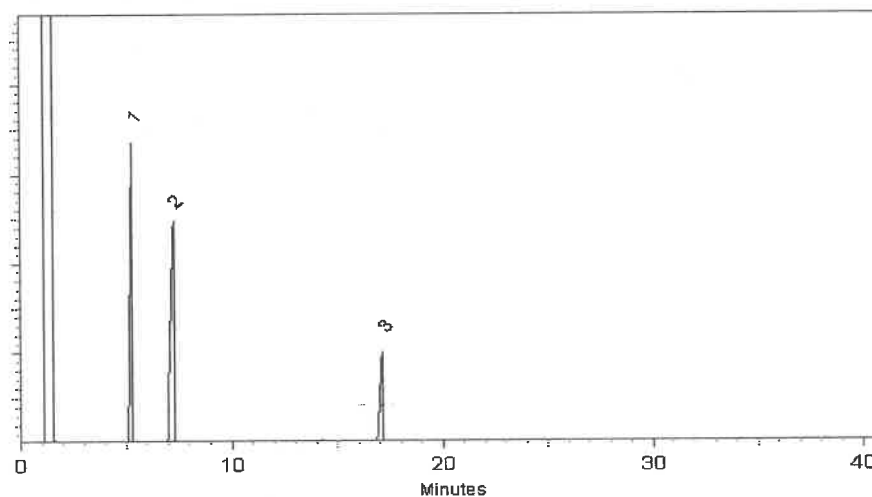
250°C

Det. Temp:

330°C

Det. Type:

FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
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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:

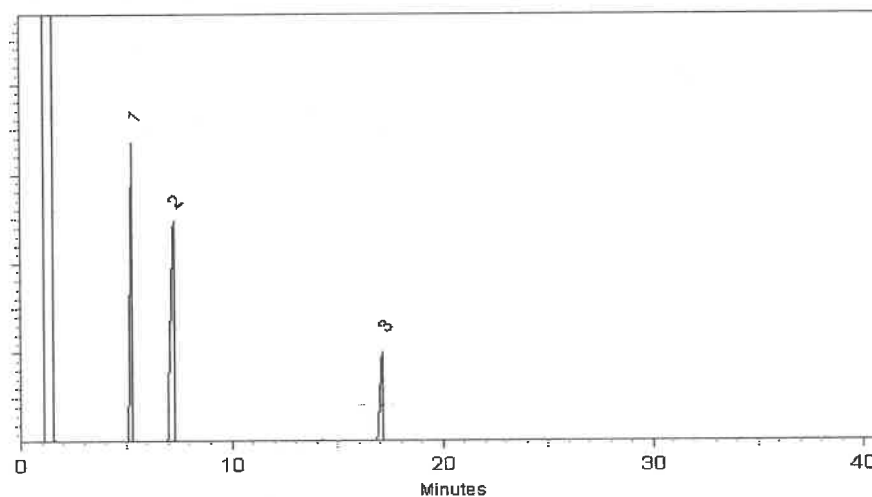
250°C

Det. Temp:

330°C

Det. Type:

FID



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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
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:

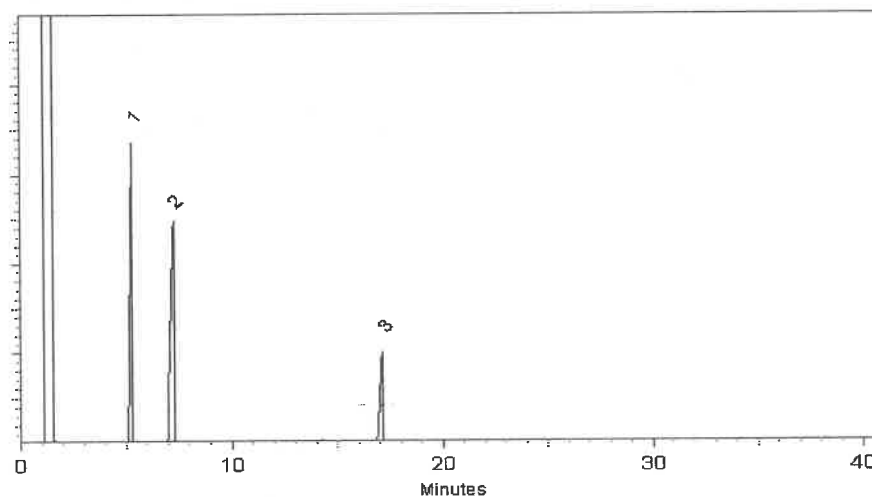
250°C

Det. Temp:

330°C

Det. Type:

FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
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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:

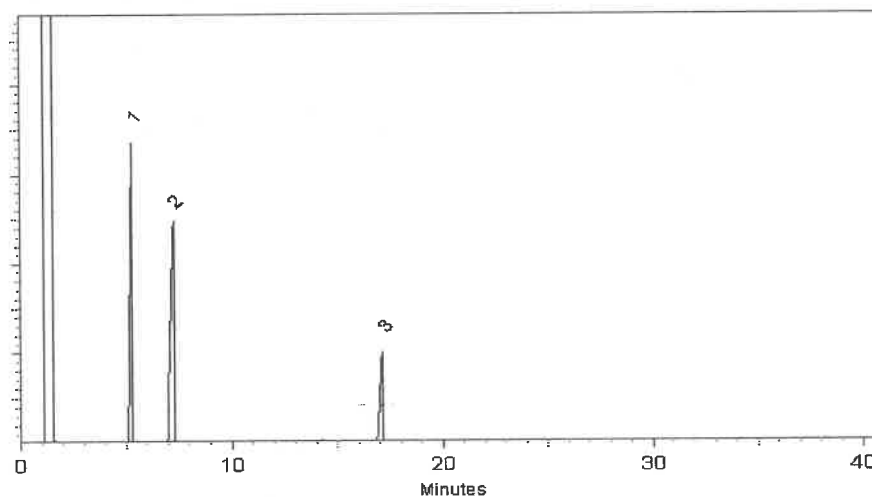
250°C

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

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

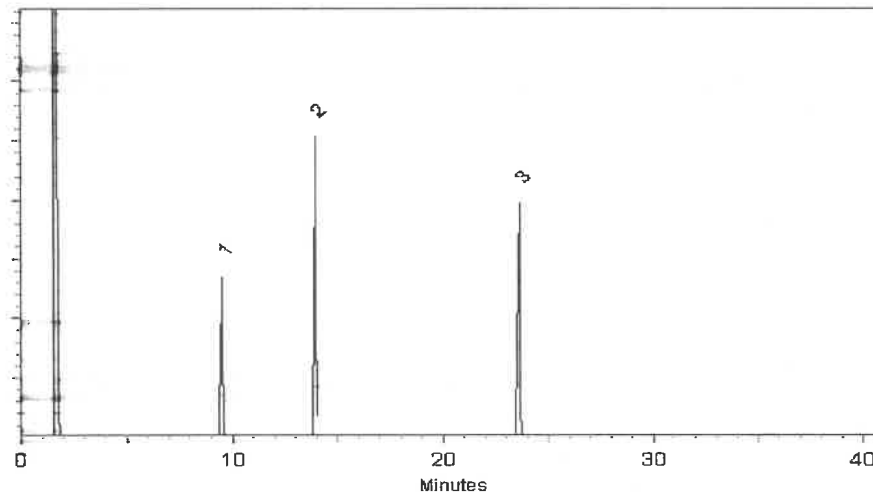
250°C

Det. Temp:

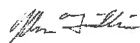
330°C

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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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:

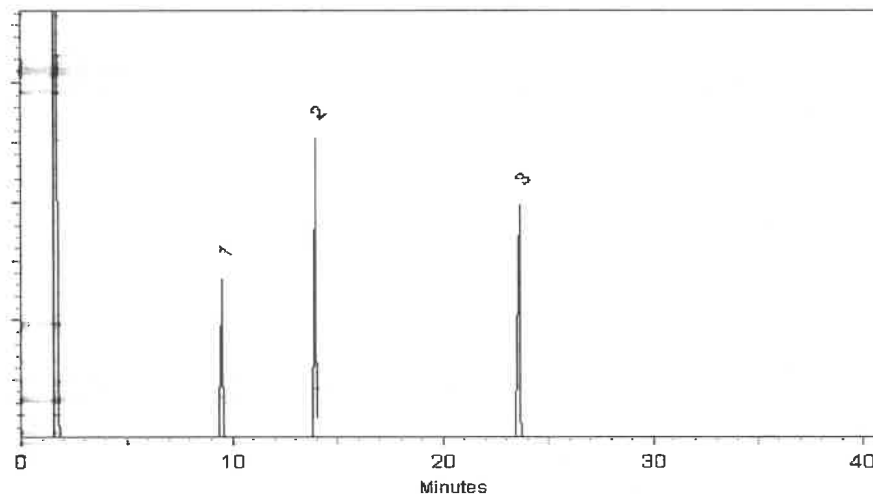
250°C

Det. Temp:

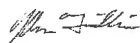
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Received by
CG on
12/28/22
\$10981
to
\$11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL 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:

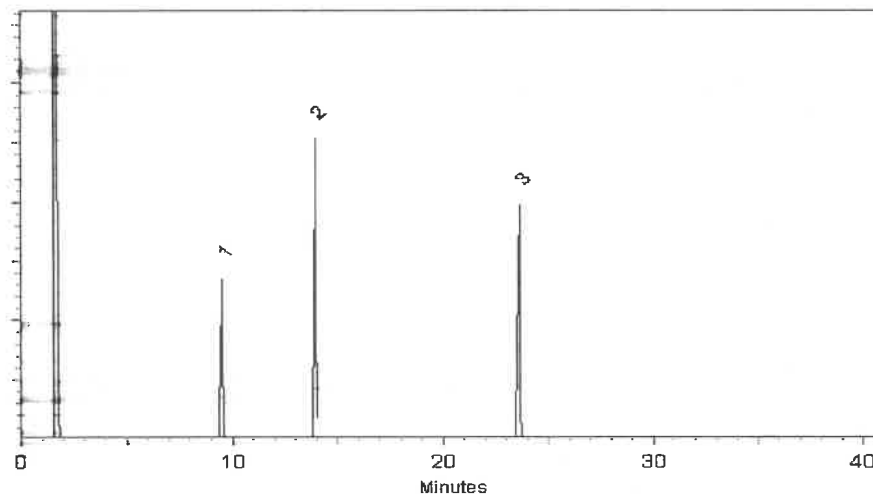
250°C

Det. Temp:

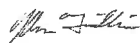
330°C

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
\$11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL 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:

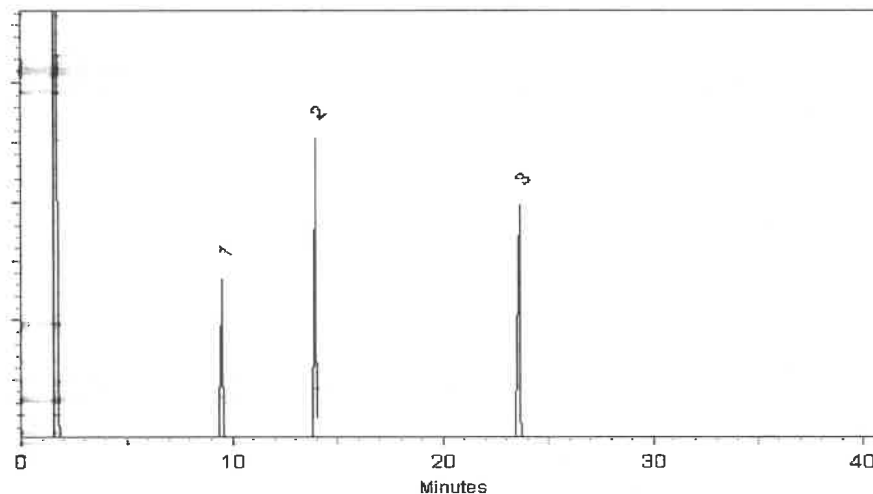
250°C

Det. Temp:

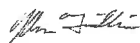
330°C

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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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Column:

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Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

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Inj. Temp:

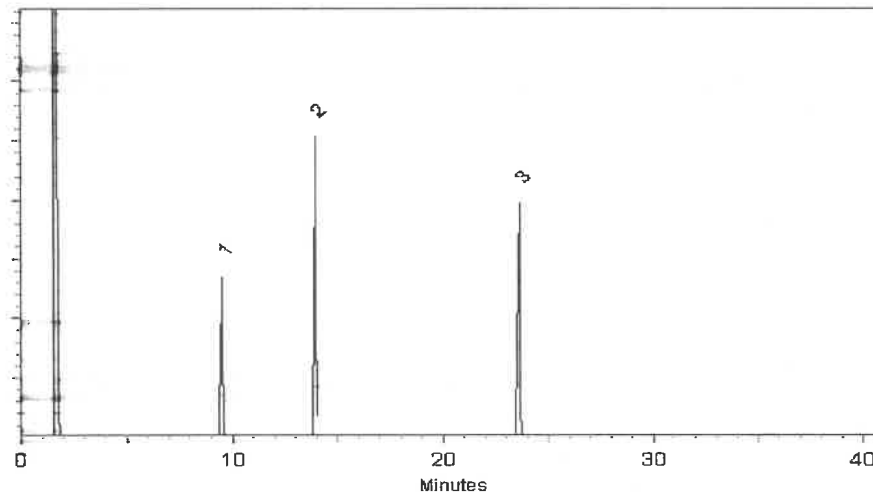
250°C

Det. Temp:

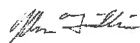
330°C

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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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
12/28/22
\$10981
to
S11010

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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CAS # 75-09-2
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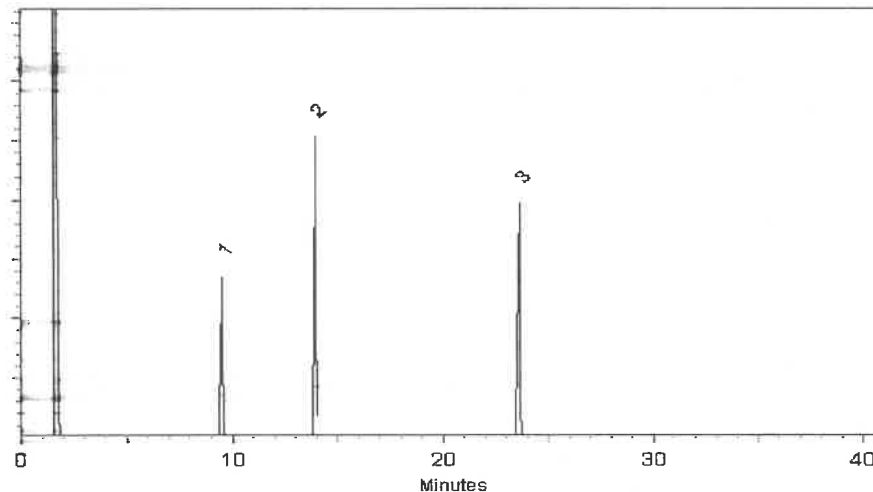
250°C

Det. Temp:

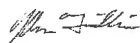
330°C

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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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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)
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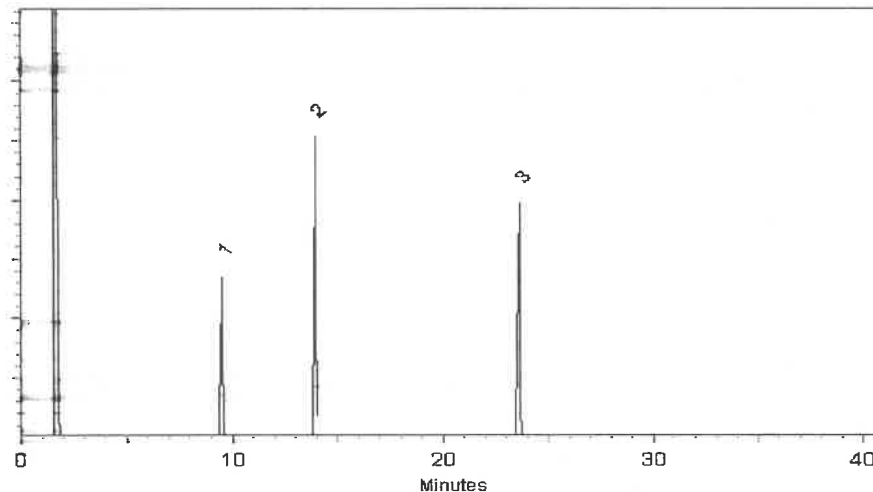
250°C

Det. Temp:

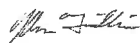
330°C

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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Certificate of Analysis



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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

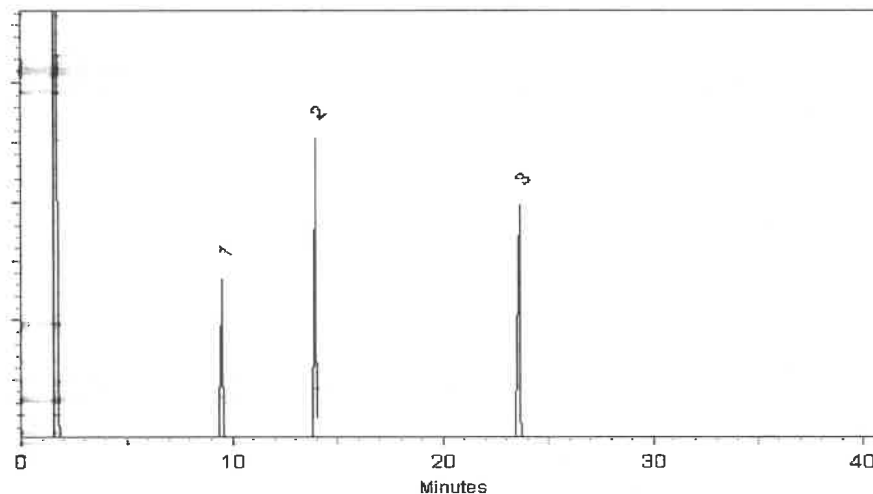
250°C

Det. Temp:

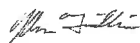
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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/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
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Tel: 1-814-353-1300
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.

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Catalog No. : 555870 Lot No.: A0194698
Description : Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2026 Storage: 10°C or colder
Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek®
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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lues are rounded to the nearest whole number.

rtainty Value Notes:

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ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

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Notes:

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**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.

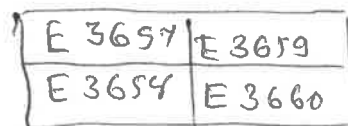
This document has been electronically produced and is valid without a signature.

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

 **avantors**™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

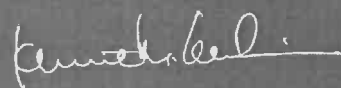
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	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

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.: 24C0162011
Manufactured Date: 2024-01-04
Expiration Date: 2025-04-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	10
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.2 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: MG24A04224

E 3746

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Recd. by RP on 5/31/24

E3753

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

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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid (μ eq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 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 3771

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

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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

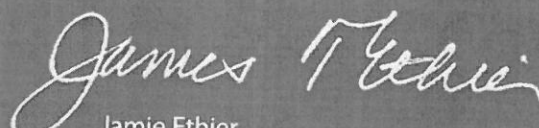
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

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07/20/23
Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	503442	$\leq -10^{\circ}\text{C}$	Methylene Chloride	8/26/2024	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄	2199-69-1	99.7	247.29.3P	5052 $\pm$ 122.61
2-fluorobiphenyl	321-60-8	99.7	8.7.1.1P	5005 $\pm$ 121.47
nitrobenzene-d ₅	4165-60-0	100	7.9.2P	5040 $\pm$ 122.21
p-terphenyl-d ₁₄	1718-51-0	99.6	9.12.9P	5027 $\pm$ 122

*Not a certified value

Certified By: _____

Joanna Radu
Joanna Radu
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined 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
Expiration Date: September 30, 2025
Handling: This product is photosensitive.
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

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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

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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

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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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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.: 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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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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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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
Expiration Date: September 30, 2025
Handling: This product is photosensitive.
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

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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:

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110 Benner Circle
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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.: 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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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%						

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
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General Certified Reference Material Notes

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gravimetric



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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.
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

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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
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Catalog No.: 555223 Lot No.: A0201940
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL
Expiration Date: September 30, 2025
Handling: This product is photosensitive.
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

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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

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Certificate of Analysis

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Catalog No.: 555223 Lot No.: A0201940
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL
Expiration Date: September 30, 2025
Handling: This product is photosensitive.
Pkg Amt: > 1 mL
Storage: 10°C or colder
Ship: Ambient

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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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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Catalog No.: 555223 Lot No.: A0201940
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: September 30, 2025 Storage: 10°C or colder
Handling: This product is photosensitive. Ship: Ambient

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09/19/

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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
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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. : 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

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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:

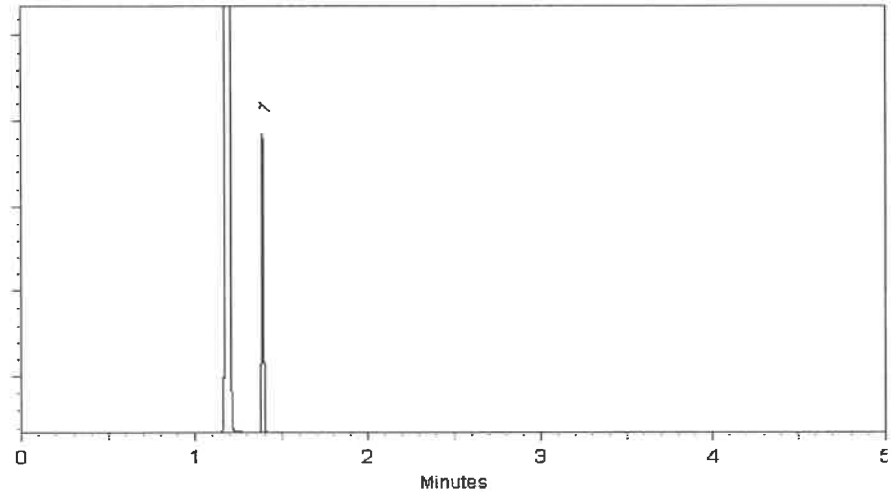
FID

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:

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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:

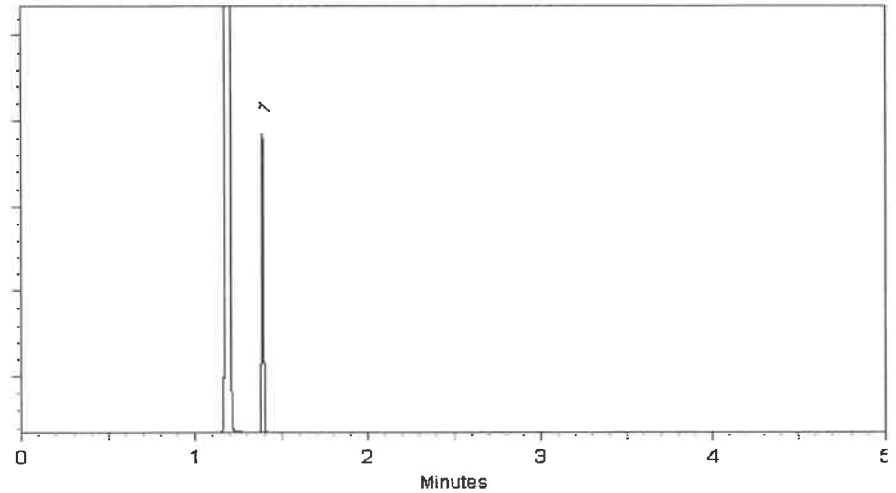
FID

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:

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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:

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Handling Notes:

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110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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

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Rtx-5 (cat.#10223)

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250°C

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Det. Type:

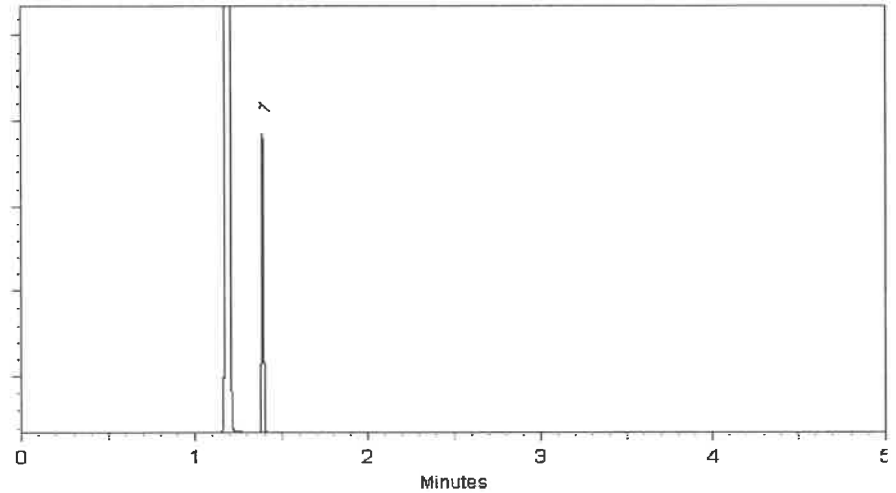
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1µl



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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

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S11749
↓
S11794 } RC / 11/30/23

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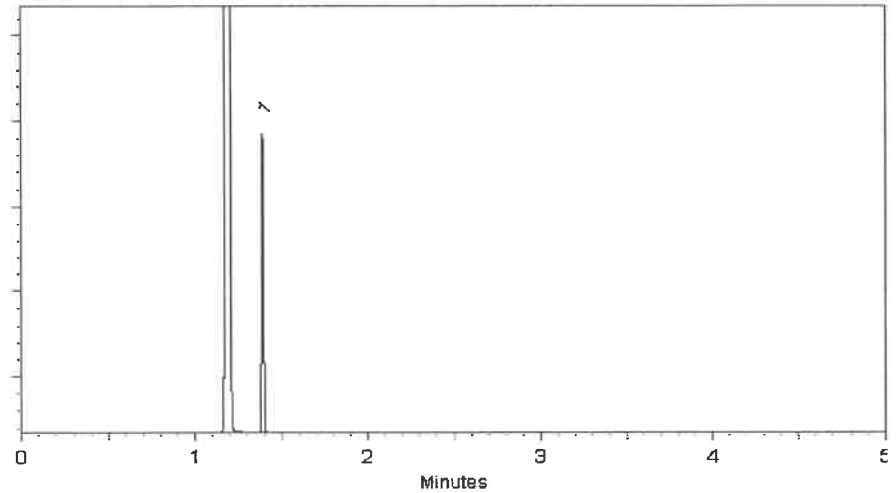
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Sam Moodler - Operations Tech I

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Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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S11749
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S11794 } RC / 11/30/23

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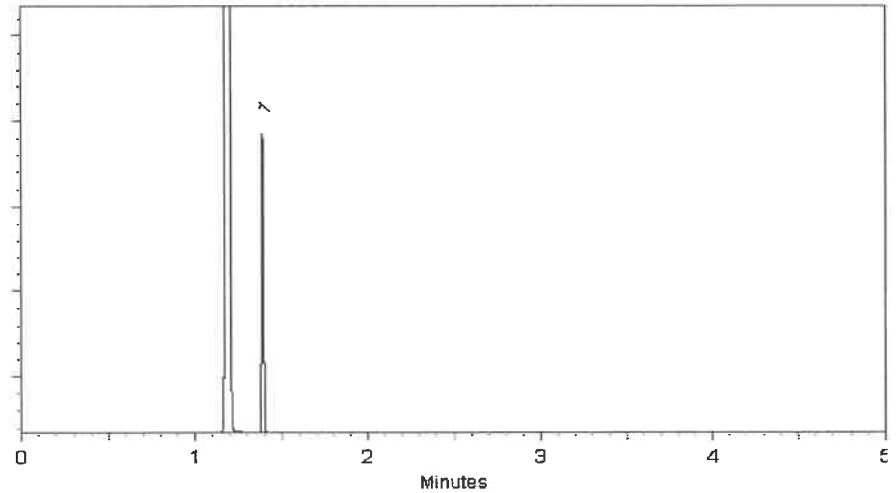
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Catalog No. : 31850 **Lot No.:** A0197982

Description : 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

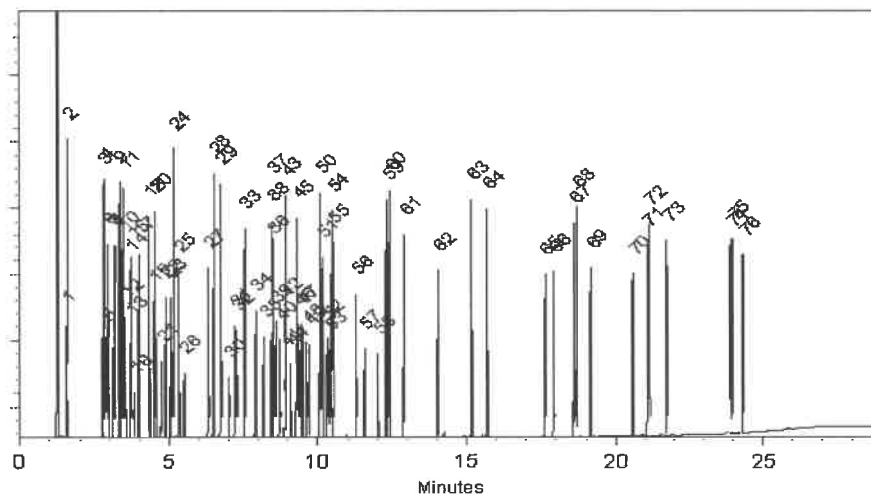
FID

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.: A0197982
Description: 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: November 30, 2024 Storage: 0°C or colder
Handling: Sonication required. Mix is photosensitive. Ship: Ambient

511877
↓
511906
RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

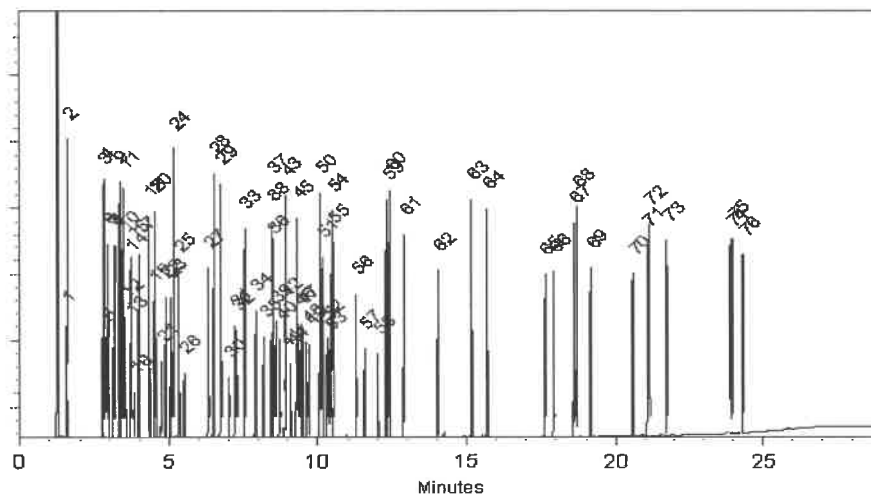
FID

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

511877
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511906

RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

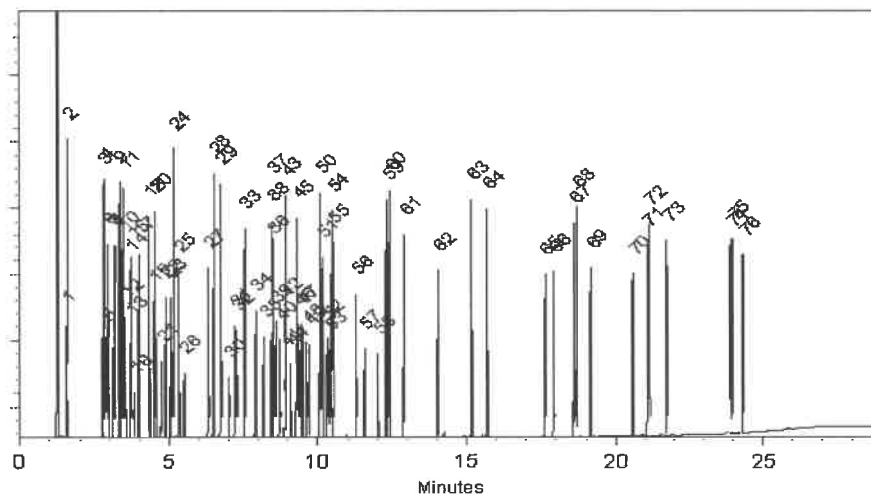
FID

Split Vent:

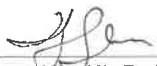
100 ml/min.

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.: A0197982
Description: 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: November 30, 2024 Storage: 0°C or colder
Handling: Sonication required. Mix is photosensitive. Ship: Ambient

511877
↓
511906
RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

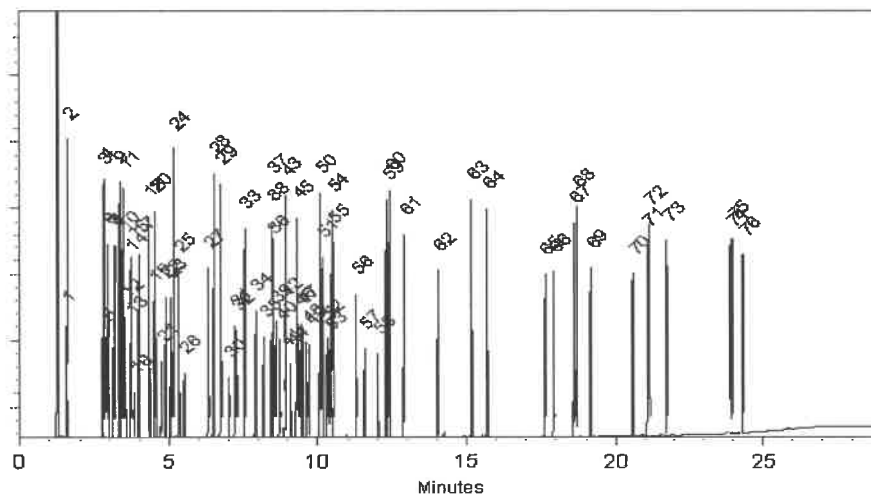
FID

Split Vent:

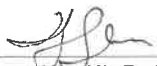
100 ml/min.

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

511877
↓
511906

RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

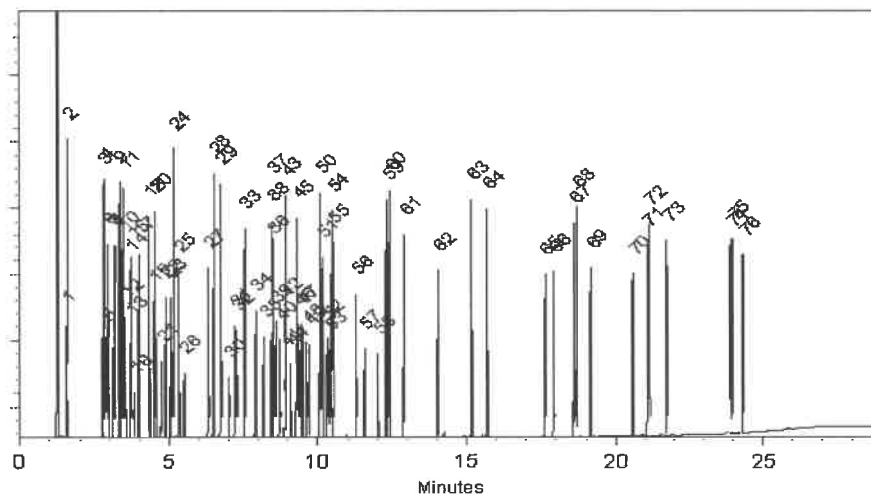
FID

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.: A0197982
Description: 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: November 30, 2024 Storage: 0°C or colder
Handling: Sonication required. Mix is photosensitive. Ship: Ambient

511877
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511906
RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

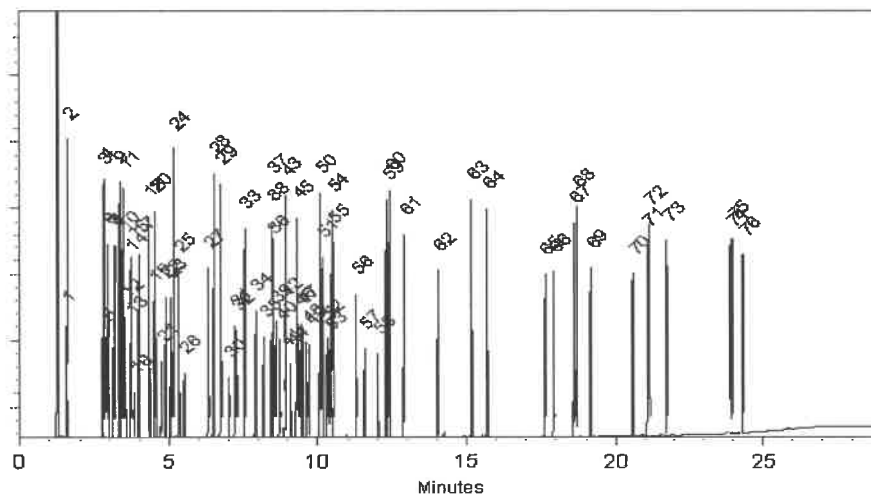
FID

Split Vent:

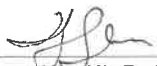
100 ml/min.

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982
Description : 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2024 **Storage:** 0°C or colder
Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

511877
↓
511906
RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

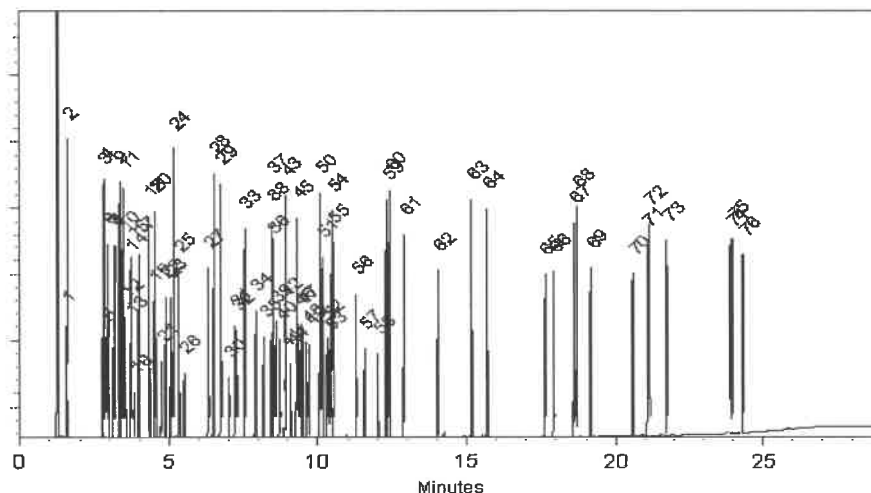
FID

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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511906

RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

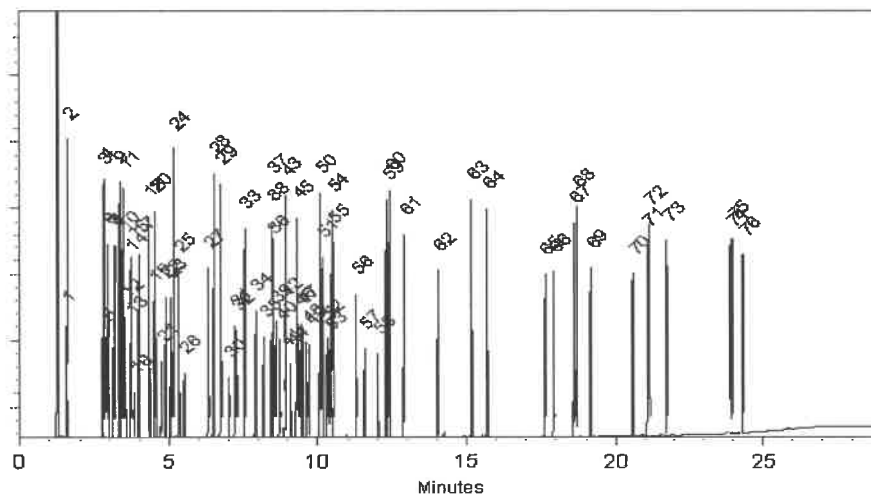
FID

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®
8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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RC/
11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/-	36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/-	36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/-	36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/-	36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/-	36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/-	36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/-	36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/-	36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/-	36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/-	36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/-	36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/-	36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/-	36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/-	36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/-	36.6176
33	2-Chloronaphthalene	91-58-7	RPN70	99%	1,004.4	µg/mL	+/-	36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/-	36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/-	36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/-	36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/-	36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/-	36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/-	36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/-	36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/-	36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/-	36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/-	36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/-	36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/-	36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/-	36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/-	36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/-	36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/-	36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/-	36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/-	36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/-	36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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:

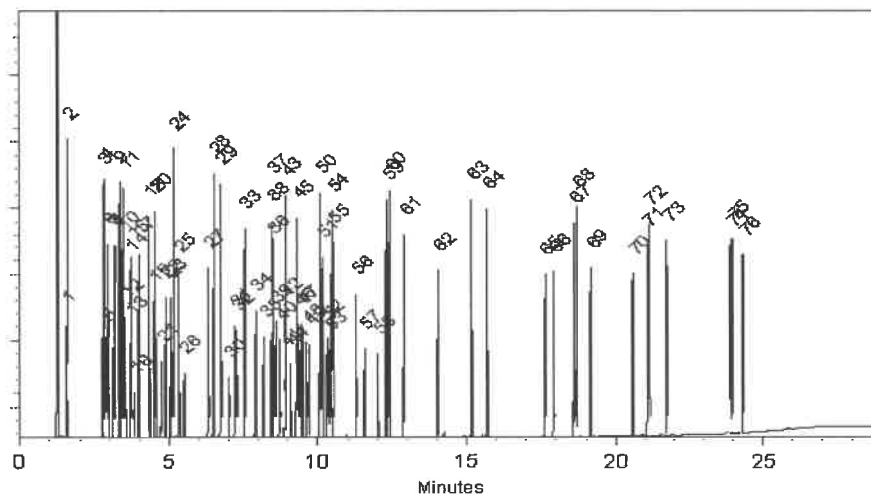
FID

Split Vent:

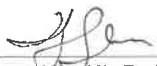
100 ml/min.

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.


Tom Suckar - Mix Technician

Date Mixed: 11-May-2023

Balance Serial # 1128353505


Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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. : 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:

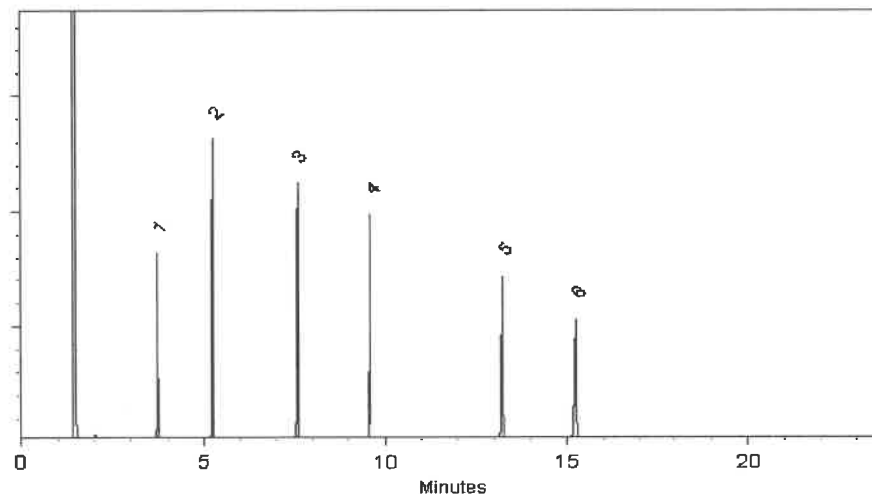
FID

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:

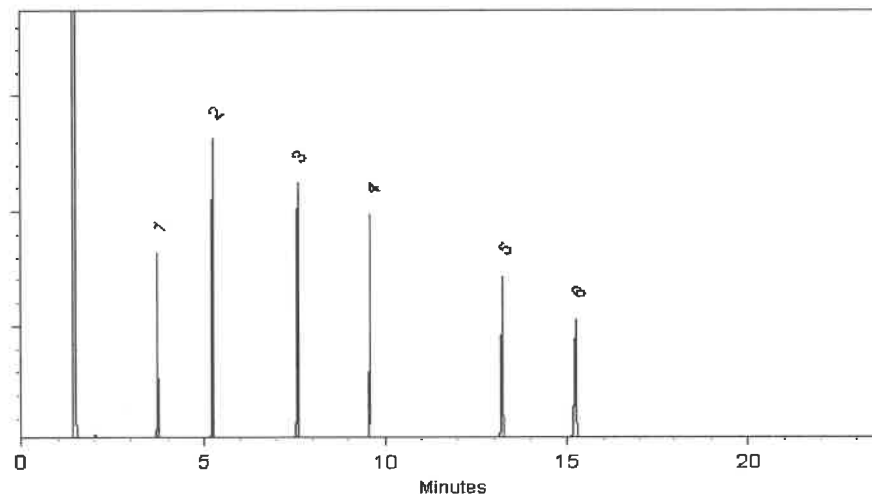
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023

Balance Serial # B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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
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6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

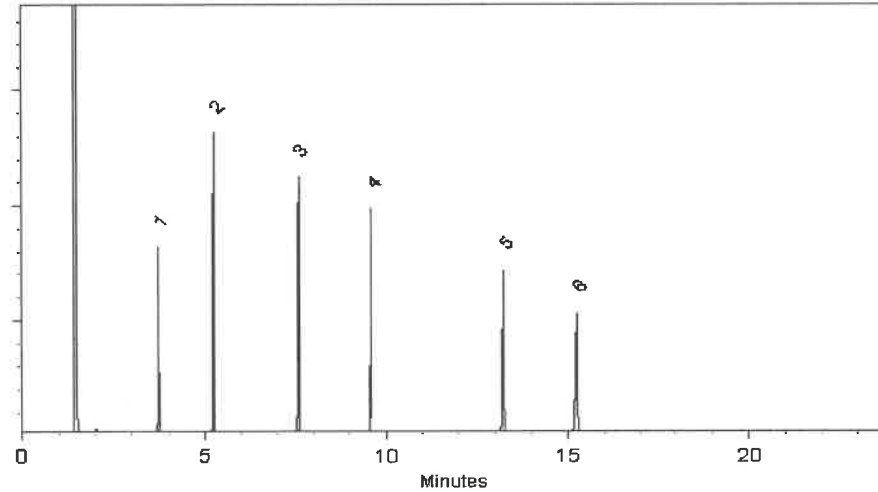
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023

Balance Serial # B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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: _____

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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
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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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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512082 } RC/
↓
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Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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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

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Solvent: Methylene chloride
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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)
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Solvent: Methylene chloride
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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

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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

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John Friedline - Operations Technician I

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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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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/
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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

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Bellefonte, PA 16823-8812
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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512082 } RC/
↓
512111 } 02/22/24

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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.



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/
↓ 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%



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **P3429**
QUOTE NO.
COC Number **2041346**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kumbie Ave Suite #100
CITY Morrisburg STATE: NJ ZIP: 07960
ATTENTION: John Yankovic
PHONE: (281) 414-1714 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SFC PTC
PROJECT NO.: D3774922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1 MS 8260D
2 MS 8260D
3 MS 8260D
4 MS 8260D
5 MS 8260D
6 MS 8260D
7 MS 8260D
8 MS 8260D
9 MS 8260D

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES								COMMENTS	
			COMP	GRAB	DATE	TIME		A/E	E	B/E	E						Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
1.	926-K1-WS-073124	WS		X	7/31/24	1400	6	2	2	1	1						
2.	931-K1-WS-073124	WS		X	7/31/24	1450	6	2	2	1	1						
3.	925-K1-WS-073124	WS		X	7/31/24	1575	6	2	2	1	1						
4.	TB-01-073124	DI		X	7/31/24	1600	1	1									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>7/31/24 1630</u>	RECEIVED BY: 1. <u>[Signature]</u>	DATE/TIME: <u>7-31-24 1630</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>25°C</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	DATE/TIME:	Comments: <u>See attached table for required analytes list of ECO-Vols, ECO-SVOCs, and ECO-metals</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>7-31-24 1745</u>	RECEIVED BY: 3. <u>[Signature]</u>	DATE/TIME:	<u>3 hour (24hr) hold time for Hexavalent Chromium!</u>

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3429 JACO05

Order Date : 7/31/2024 4:38:00 PM

Project Mgr : YAZMEEN

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger Site I

Report Type : Level 4

Client Contact : Mary I. Murphy

Receive DateTime : 7/31/2024 5:45:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : Mary I. Murphy

Date Signoff : 8/1/2024 9:54:09 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3429-01	926-K1-WS-073124	Water	07/31/2024	14:00					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3429-02	931-K1-WS-073124	Water	07/31/2024	14:50					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3429-03	925-K1-WS-073124	Water	07/31/2024	15:15					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3429-04	TB-01-073124	Water	07/31/2024	16:00					
					VOCMS Group6		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time : 8-1-24 11:10

Received By :

Date / Time : 8/1/24 11:10

Storage Area : VOA Refridgerator Room