

Cover Page

Order ID : P3440

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

P3440-01
P3440-02
P3440-03
P3440-04
P3440-05

Client Sample Number

923-K1-WS-080124
923-K1-WS-080124MS
923-K1-WS-080124MSD
922-K1-WS-080124
TB-01-080124

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: 8/16/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site Princeton NJ

Project # N/A

Chemtech Project # P3440

Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:

5 Water samples were received on 08/01/2024.

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.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P3440-02MS} with File ID: BF138838.D recoveries met the requirements for all compounds except for Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {P3440-03MSD} with File ID: BF138839.D recoveries met the acceptable requirements except for Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD met criteria .

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 hit in associated samples therefore no corrective action taken.



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Phone: 908 789 8900 Fax: 908 789 8922

The Tuning criteria met requirements.

E. Additional Comments:

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: P3440

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 hit in associated samples 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.

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 {P3440-02MS} with File ID: BF138838.D recoveries met the requirements for
all compounds except for Benzaldehyde[0%] this compound did not meet the NJDKQP
criteria and in-house criteria due to matrix interference.

The MSD {P3440-03MSD} with File ID: BF138839.D recoveries met the acceptable
requirements except for Benzaldehyde[0%] this compound did not meet the NJDKQP
criteria and in-house criteria due to matrix interference.

The Blank Spike met requirements for all samples .

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

(CONTINUED)

		NA	NO	YES
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:

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 #: P3440

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

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 08/16/2024

2nd Level QA Review Signature: _____

Date: _____

LAB CHRONICLE

OrderID:	P3440	OrderDate:	8/1/2024 12:28:00 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
P3440-01	923-K1-WS-080124	Water	SVOCMS Group3	8270-Modified	08/01/24	08/02/24	08/03/24	08/01/24
			SVOCMS Group6	8270E		08/02/24	08/07/24	
P3440-04	922-K1-WS-080124	Water	SVOCMS Group3	8270-Modified	08/01/24	08/02/24	08/03/24	08/01/24
			SVOCMS Group6	8270E		08/02/24	08/07/24	



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P3440
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.: **P3440**

Client: **JACOBS Engineering Group, Inc.**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P3440-01	923-K1-WS-080124	2-Fluorophenol	150	63.6	42		15 (10)	110 (139)
		Phenol-d6	150	38.2	25		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	98.3	98		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (32)	110 (145)
		Terphenyl-d14	100	114	114		30 (36)	130 (145)
P3440-02MS	923-K1-WS-080124MS	2-Fluorophenol	150	65.0	43		15 (10)	110 (139)
		Phenol-d6	150	40.3	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	95.3	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.5	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	143	95		15 (32)	110 (145)
		Terphenyl-d14	100	107	107		30 (36)	130 (145)
P3440-03MSD	923-K1-WS-080124MSD	2-Fluorophenol	150	66.7	44		15 (10)	110 (139)
		Phenol-d6	150	40.2	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.4	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	159	106		15 (32)	110 (145)
		Terphenyl-d14	100	113	113		30 (36)	130 (145)
P3440-04	922-K1-WS-080124	2-Fluorophenol	150	57.9	39		15 (10)	110 (139)
		Phenol-d6	150	34.5	23		15 (10)	110 (134)
		Nitrobenzene-d5	100	92.4	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.8	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (32)	110 (145)
		Terphenyl-d14	100	108	108		30 (36)	130 (145)
PB162463BL	PB162463BL	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	87.1	87		30 (49)	130 (133)
		2-Fluorobiphenyl	100	86.7	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	145	97		15 (32)	110 (145)
		Terphenyl-d14	100	104	104		30 (36)	130 (145)
PB162463BS	PB162463BS	2-Fluorophenol	150	133	89		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	85.4	85		30 (49)	130 (133)
		2-Fluorobiphenyl	100	89.6	90		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	140	93		15 (32)	110 (145)
		Terphenyl-d14	100	110	110		30 (36)	130 (145)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3440

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: P3440-02MS		Client Sample ID: 923-K1-WS-080124MS		DataFile: BF138838.D							
Pyridine	54.9	0	19.5	ug/L	36	*			20 (10)	160 (109)	
Benzaldehyde	54.9	0	0	ug/L	0				20 (10)	160 (137)	
2-Methylphenol	54.9	0	38.2	ug/L	70				70 (23)	130 (132)	
Acetophenone	54.9	0	52.5	ug/L	96				70 (31)	130 (164)	
3+4-Methylphenols	54.9	0	34.9	ug/L	64				20 (17)	160 (136)	
Nitrobenzene	54.9	0	52.4	ug/L	95				70 (40)	130 (134)	
2,4-Dichlorophenol	54.9	0	54.4	ug/L	99				70 (22)	130 (146)	
Naphthalene	54.9	0	50.6	ug/L	92				70 (17)	130 (157)	
Hexachlorobutadiene	54.9	0	47.1	ug/L	86				70 (52)	130 (125)	
2-Methylnaphthalene	54.9	0	54.0	ug/L	98				70 (38)	130 (146)	
2,4,6-Trichlorophenol	54.9	0	54.5	ug/L	99				70 (46)	130 (139)	
2,4,5-Trichlorophenol	54.9	0	53.4	ug/L	97				70 (42)	130 (129)	
Acenaphthylene	54.9	0	59.3	ug/L	108				70 (40)	130 (141)	
Acenaphthene	54.9	0	54.3	ug/L	99				70 (37)	130 (146)	
Dibenzofuran	54.9	0	58.0	ug/L	106				70 (41)	130 (145)	
Fluorene	54.9	0	57.0	ug/L	104				70 (39)	130 (144)	
Hexachlorobenzene	54.9	0	61.3	ug/L	112				70 (60)	130 (129)	
Pentachlorophenol	110	0	87.6	ug/L	80				20 (15)	160 (137)	
Phenanthrene	54.9	0	59.9	ug/L	109				70 (40)	130 (147)	
Carbazole	54.9	0	55.7	ug/L	101				70 (37)	130 (154)	
Di-n-butylphthalate	54.9	0	65.5	ug/L	119				70 (40)	130 (151)	
Fluoranthene	54.9	0	55.1	ug/L	100				70 (42)	130 (146)	
Pyrene	54.9	0	51.8	ug/L	94				70 (41)	130 (149)	
Benzo(a)anthracene	54.9	0	59.8	ug/L	109				70 (41)	130 (147)	
Chrysene	54.9	0	57.5	ug/L	105				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	54.9	0	59.4	ug/L	108				70 (33)	130 (160)	
Benzo(b)fluoranthene	54.9	0	59.9	ug/L	109				70 (40)	130 (150)	
Benzo(k)fluoranthene	54.9	0	56.0	ug/L	102				70 (40)	130 (147)	
Benzo(a)pyrene	54.9	0	61.4	ug/L	112				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	54.9	0	52.1	ug/L	95				70 (30)	130 (166)	
Dibenz(a,h)anthracene	54.9	0	50.9	ug/L	93				70 (23)	130 (172)	
Benzo(g,h,i)perylene	54.9	0	44.7	ug/L	81				70 (27)	130 (167)	
1,4-Dioxane	54.9	0	19.0	ug/L	35				20 (38)	160 (130)	
1-Methylnaphthalene	54.9	0	51.4	ug/L	94				70 (25)	130 (151)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3440

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: P3440-03MSD		Client Sample ID: 923-K1-WS-080124MSD						DataFile: BF138839.D			
Pyridine	54.9	0	19.6	ug/L	36		0		20 (10)	160 (109)	20 (20)
Benzaldehyde	54.9	0	0	ug/L	0	*	0		20 (10)	160 (137)	20 (20)
2-Methylphenol	54.9	0	38.2	ug/L	70		0		70 (23)	130 (132)	20 (20)
Acetophenone	54.9	0	54.9	ug/L	100		4		70 (31)	130 (164)	20 (20)
3+4-Methylphenols	54.9	0	35.2	ug/L	64		0		20 (17)	160 (136)	20 (20)
Nitrobenzene	54.9	0	53.8	ug/L	98		3		70 (40)	130 (134)	20 (20)
2,4-Dichlorophenol	54.9	0	55.5	ug/L	101		2		70 (22)	130 (146)	20 (20)
Naphthalene	54.9	0	52.9	ug/L	96		4		70 (17)	130 (157)	20 (20)
Hexachlorobutadiene	54.9	0	48.7	ug/L	89		3		70 (52)	130 (125)	20 (20)
2-Methylnaphthalene	54.9	0	56.0	ug/L	102		4		70 (38)	130 (146)	20 (20)
2,4,6-Trichlorophenol	54.9	0	60.6	ug/L	110		11		70 (46)	130 (139)	20 (20)
2,4,5-Trichlorophenol	54.9	0	58.0	ug/L	106		9		70 (42)	130 (129)	20 (20)
Acenaphthylene	54.9	0	66.1	ug/L	120		11		70 (40)	130 (141)	20 (20)
Acenaphthene	54.9	0	59.8	ug/L	109		10		70 (37)	130 (146)	20 (20)
Dibenzofuran	54.9	0	63.1	ug/L	115		8		70 (41)	130 (145)	20 (20)
Fluorene	54.9	0	62.4	ug/L	114		9		70 (39)	130 (144)	20 (20)
Hexachlorobenzene	54.9	0	61.8	ug/L	113		1		70 (60)	130 (129)	20 (20)
Pentachlorophenol	110	0	95.8	ug/L	87		8		20 (15)	160 (137)	20 (20)
Phenanthrene	54.9	0	62.7	ug/L	114		4		70 (40)	130 (147)	20 (20)
Carbazole	54.9	0	58.9	ug/L	107		6		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	54.9	0	67.9	ug/L	124		4		70 (40)	130 (151)	20 (20)
Fluoranthene	54.9	0	57.2	ug/L	104		4		70 (42)	130 (146)	20 (20)
Pyrene	54.9	0	54.5	ug/L	99		5		70 (41)	130 (149)	20 (20)
Benzo(a)anthracene	54.9	0	60.1	ug/L	109		0		70 (41)	130 (147)	20 (20)
Chrysene	54.9	0	61.1	ug/L	111		6		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	54.9	0	61.7	ug/L	112		4		70 (33)	130 (160)	20 (20)
Benzo(b)fluoranthene	54.9	0	56.7	ug/L	103		6		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	54.9	0	66.6	ug/L	121		17		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	54.9	0	64.5	ug/L	117		4		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	54.9	0	54.1	ug/L	99		4		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	54.9	0	52.7	ug/L	96		3		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	54.9	0	46.6	ug/L	85		5		70 (27)	130 (167)	20 (20)
1,4-Dioxane	54.9	0	20.0	ug/L	36		3		20 (38)	160 (130)	20 (20)
1-Methylnaphthalene	54.9	0	53.0	ug/L	97		3		70 (25)	130 (151)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3440

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BF138866.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162463BS	Pyridine	50	34.6	ug/L	69				20 (29)	160 (97)	
	Benzaldehyde	50	41.2	ug/L	82				20 (15)	160 (121)	
	2-Methylphenol	50	47.7	ug/L	95				70 (69)	130 (109)	
	Acetophenone	50	43.9	ug/L	88				70 (60)	130 (104)	
	3+4-Methylphenols	50	48.6	ug/L	97				20 (67)	160 (106)	
	Nitrobenzene	50	44.0	ug/L	88				70 (58)	130 (106)	
	2,4-Dichlorophenol	50	47.4	ug/L	95				70 (66)	130 (115)	
	Naphthalene	50	44.9	ug/L	90				70 (64)	130 (107)	
	Hexachlorobutadiene	50	45.0	ug/L	90				70 (69)	130 (101)	
	2-Methylnaphthalene	50	46.0	ug/L	92				70 (64)	130 (107)	
	2,4,6-Trichlorophenol	50	45.1	ug/L	90				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	45.6	ug/L	91				70 (70)	130 (106)	
	Acenaphthylene	50	49.4	ug/L	99				70 (65)	130 (108)	
	Acenaphthene	50	45.3	ug/L	91				70 (59)	130 (113)	
	Dibenzofuran	50	47.4	ug/L	95				70 (65)	130 (106)	
	Fluorene	50	47.9	ug/L	96				70 (64)	130 (107)	
	Hexachlorobenzene	50	46.1	ug/L	92				70 (73)	130 (106)	
	Pentachlorophenol	100	74.0	ug/L	74				20 (47)	160 (114)	
	Phenanthrene	50	47.8	ug/L	96				70 (62)	130 (109)	
	Carbazole	50	46.8	ug/L	94				70 (62)	130 (106)	
	Di-n-butylphthalate	50	53.9	ug/L	108				70 (64)	130 (106)	
	Fluoranthene	50	47.4	ug/L	95				70 (64)	130 (110)	
	Pyrene	50	48.3	ug/L	97				70 (71)	130 (103)	
	Benzo(a)anthracene	50	47.0	ug/L	94				70 (62)	130 (107)	
	Chrysene	50	47.4	ug/L	95				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	42.0	ug/L	84				70 (59)	130 (110)	
	Benzo(b)fluoranthene	50	48.4	ug/L	97				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.4	ug/L	107				70 (64)	130 (113)	
	Benzo(a)pyrene	50	51.9	ug/L	104				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	43.8	ug/L	88				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	37.7	ug/L	75				70 (75)	130 (118)	
	1,4-Dioxane	50	32.1	ug/L	64				20 (38)	160 (125)	
	1-Methylnaphthalene	50	43.1	ug/L	86				70 (51)	130 (114)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162463BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: P3440

SAS No.: P3440 SDG NO.: P3440

Lab File ID: BF138836.D

Lab Sample ID: PB162463BL

Instrument ID: BNA_F

Date Extracted: 08/02/2024

Matrix: (soil/water) Water

Date Analyzed: 08/07/2024

Level: (low/med) LOW

Time Analyzed: 11:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
923-K1-WS-080124MSD	P3440-03MSD	BF138839.D	08/07/2024
922-K1-WS-080124	P3440-04	BF138840.D	08/07/2024
PB162463BS	PB162463BS	BF138866.D	08/08/2024
923-K1-WS-080124	P3440-01	BF138837.D	08/07/2024
923-K1-WS-080124MS	P3440-02MS	BF138838.D	08/07/2024

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3440 SDG NO.: P3440Lab 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.: P3440 SDG NO.: P3440Lab 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
PB162463BL	PB162463BL	BF138836.D	08/07/2024	11:59
923-K1-WS-080124	P3440-01	BF138837.D	08/07/2024	12:34
923-K1-WS-080124MS	P3440-02MS	BF138838.D	08/07/2024	13:04
923-K1-WS-080124MSD	P3440-03MSD	BF138839.D	08/07/2024	13:35
922-K1-WS-080124	P3440-04	BF138840.D	08/07/2024	14:05



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JACO05Lab Code: CHEMSAS No.: P3440 SDG NO.: P3440Lab File ID: BF138855.DDFTPP Injection Date: 08/08/2024Instrument ID: BNA_FDFTPP Injection Time: 09:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	40.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
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
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	3.2
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	16.8 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138856.D	08/08/2024	10:19
PB162463BS	PB162463BS	BF138866.D	08/08/2024	15:22

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3440 SAS No.: P3440 SDG NO.: P3440

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 PB162463BL	45858	6.84	189947	8.12	110215	9.88
02 923-K1-WS-080124	45232	6.84	183620	8.12	98316	9.87
03 923-K1-WS-080124MS	44396	6.84	176593	8.12	94605	9.88
04 923-K1-WS-080124MSD	41583	6.84	164057	8.12	83168	9.88
05 922-K1-WS-080124	41750	6.84	169871	8.12	89884	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.: P3440 SAS No.: P3440 SDG NO.: P3440

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 PB162463BL	204848	11.36	119313	14.00	83107	15.46
02 923-K1-WS-080124	162437	11.36	84407	13.99	89901	15.46
03 923-K1-WS-080124MS	144429	11.36	77825	14.00	88601	15.46
04 923-K1-WS-080124MSD	133927	11.36	71097	14.00	81109	15.46
05 922-K1-WS-080124	145951	11.36	76059	14.00	79882	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.: P3440 SAS No.: P3440 SDG NO.: P3440

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

Lab File ID: BF138856.D Time Analyzed: 10:19

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	53967	6.839	212450	8.12	111283	9.88
UPPER LIMIT	107934	7.339	424900	8.622	222566	10.375
LOWER LIMIT	26983.5	6.339	106225	7.622	55641.5	9.375
EPA SAMPLE NO.						
01 PB162463BS	48969	6.84	204092	8.12	110072	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.: P3440 SAS No.: P3440 SDG NO.: P3440

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

Lab File ID: BF138856.D Time Analyzed: 10:19

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	192684	11.363	92916	13.998	95070	15.457
UPPER LIMIT	385368	11.863	185832	14.498	190140	15.957
LOWER LIMIT	96342	10.863	46458	13.498	47535	14.957
EPA SAMPLE NO.						
01 PB162463BS	189484	11.36	93153	14.00	86793	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:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	923-K1-WS-080124	SDG No.:	P3440
Lab Sample ID:	P3440-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	880 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
BF138837.D	1	08/02/24 09:23	08/07/24 12:34	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.80	U	1.80	5.70	ug/L
100-52-7	Benzaldehyde	4.50	U	4.50	11.4	ug/L
95-48-7	2-Methylphenol	1.30	U	1.30	5.70	ug/L
98-86-2	Acetophenone	1.30	U	1.30	5.70	ug/L
65794-96-9	3+4-Methylphenols	1.30	U	1.30	11.4	ug/L
98-95-3	Nitrobenzene	1.40	U	1.40	5.70	ug/L
120-83-2	2,4-Dichlorophenol	1.00	U	1.00	5.70	ug/L
91-20-3	Naphthalene	1.20	U	1.20	5.70	ug/L
87-68-3	Hexachlorobutadiene	1.40	U	1.40	5.70	ug/L
91-57-6	2-Methylnaphthalene	1.30	U	1.30	5.70	ug/L
88-06-2	2,4,6-Trichlorophenol	1.00	U	1.00	5.70	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.70	ug/L
208-96-8	Acenaphthylene	1.20	U	1.20	5.70	ug/L
83-32-9	Acenaphthene	0.92	U	0.92	5.70	ug/L
132-64-9	Dibenzofuran	1.10	U	1.10	5.70	ug/L
86-73-7	Fluorene	1.10	U	1.10	5.70	ug/L
118-74-1	Hexachlorobenzene	1.30	U	1.30	5.70	ug/L
87-86-5	Pentachlorophenol	2.10	U	2.10	11.4	ug/L
85-01-8	Phenanthrene	1.00	U	1.00	5.70	ug/L
86-74-8	Carbazole	1.30	U	1.30	5.70	ug/L
84-74-2	Di-n-butylphthalate	1.70	U	1.70	5.70	ug/L
206-44-0	Fluoranthene	1.50	U	1.50	5.70	ug/L
129-00-0	Pyrene	1.20	U	1.20	5.70	ug/L
56-55-3	Benzo(a)anthracene	1.10	U	1.10	5.70	ug/L
218-01-9	Chrysene	0.98	U	0.98	5.70	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	U	2.10	5.70	ug/L
205-99-2	Benzo(b)fluoranthene	1.30	U	1.30	5.70	ug/L
207-08-9	Benzo(k)fluoranthene	1.40	U	1.40	5.70	ug/L
50-32-8	Benzo(a)pyrene	1.90	U	1.90	5.70	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	923-K1-WS-080124	SDG No.:	P3440
Lab Sample ID:	P3440-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	880 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
BF138837.D	1	08/02/24 09:23	08/07/24 12:34	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	U	1.20	5.70	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.30	U	1.30	5.70	ug/L
191-24-2	Benzo(g,h,i)perylene	1.30	U	1.30	5.70	ug/L
123-91-1	1,4-Dioxane	1.40	U	1.40	5.70	ug/L
90-12-0	1-Methylnaphthalene	0.98	U	0.98	5.70	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	63.6		15 (10) - 110 (139)	42%	SPK: 150
13127-88-3	Phenol-d6	38.2		15 (10) - 110 (134)	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.3		30 (52) - 130 (132)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (32) - 110 (145)	102%	SPK: 150
1718-51-0	Terphenyl-d14	114		30 (36) - 130 (145)	114%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45200	6.84			
1146-65-2	Naphthalene-d8	184000	8.116			
15067-26-2	Acenaphthene-d10	98300	9.869			
1517-22-2	Phenanthrene-d10	162000	11.357			
1719-03-5	Chrysene-d12	84400	13.992			
1520-96-3	Perylene-d12	89900	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 : BF138837.D
Acq On : 07 Aug 2024 12:34
Operator : RC/JU
Sample : P3440-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124

Quant Time: Aug 07 13:13:52 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	45232	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	183620	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	98316	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	162437	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	84407	20.000	ng	-0.01
86) Perylene-d12	15.457	264	89901	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	186425	63.622	ng	0.00
7) Phenol-d6	6.481	99	150259	38.194	ng	0.00
23) Nitrobenzene-d5	7.404	82	356005	94.791	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	123776	153.694	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	643066	98.275	ng	-0.01
79) Terphenyl-d14	12.939	244	573739	113.805	ng	0.00

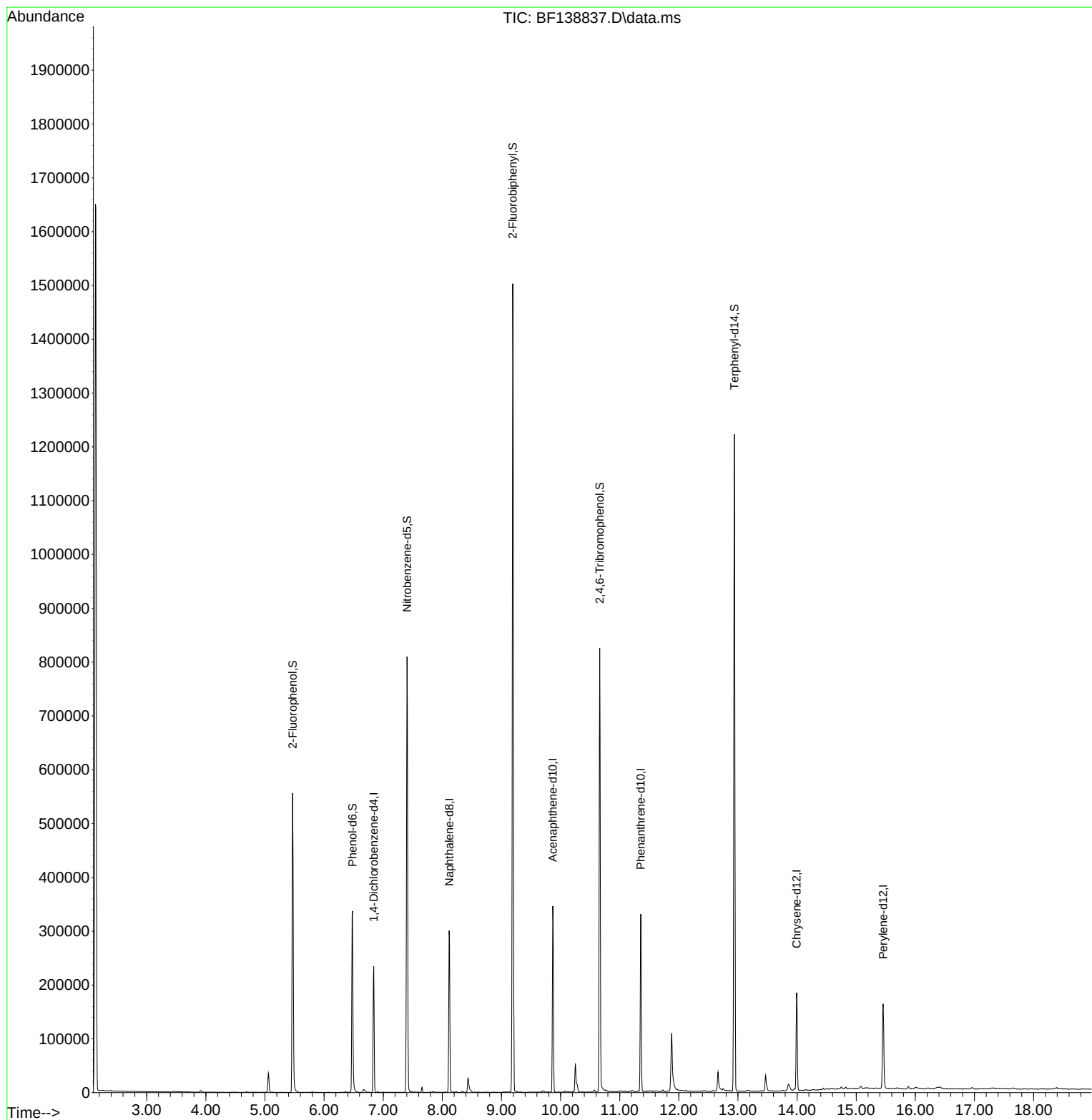
Target Compounds	Qvalue

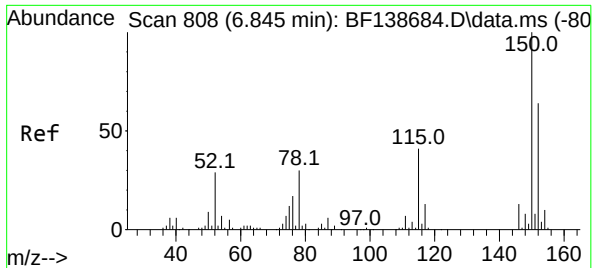
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138837.D
Acq On : 07 Aug 2024 12:34
Operator : RC/JU
Sample : P3440-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124

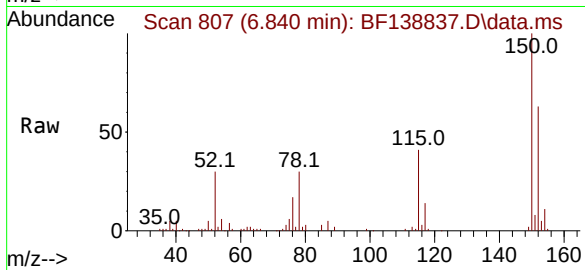
Quant Time: Aug 07 13:13:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



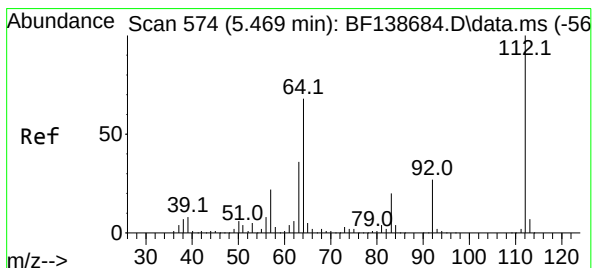
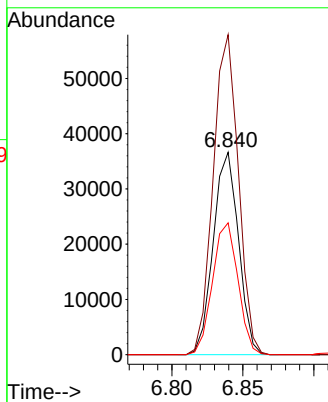
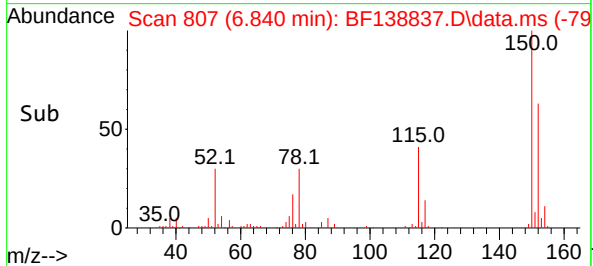


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138837.D
Acq: 07 Aug 2024 12:34

Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124

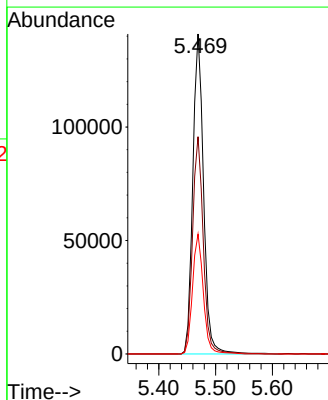
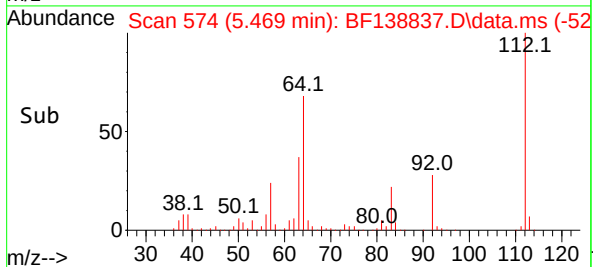
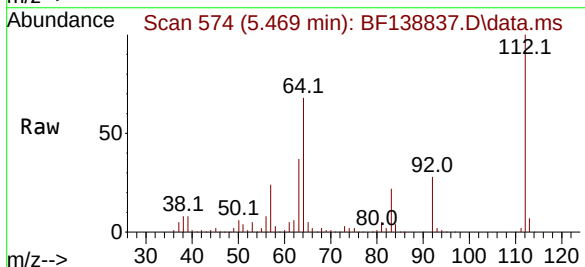


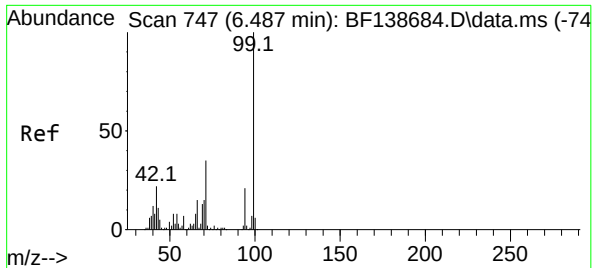
Tgt Ion:152 Resp: 45232
Ion Ratio Lower Upper
152 100
150 158.0 126.0 189.0
115 65.1 51.7 77.5



#5
2-Fluorophenol
Concen: 63.622 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138837.D
Acq: 07 Aug 2024 12:34

Tgt Ion:112 Resp: 186425
Ion Ratio Lower Upper
112 100
64 67.9 54.2 81.4
63 37.5 28.7 43.1

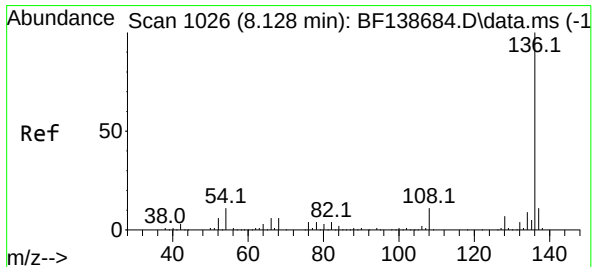
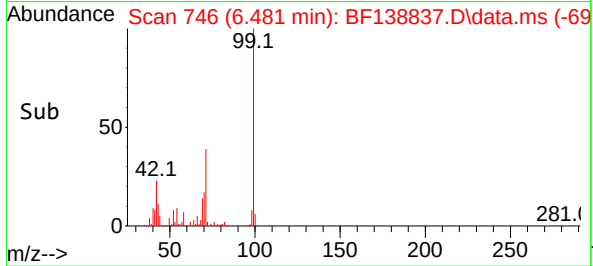
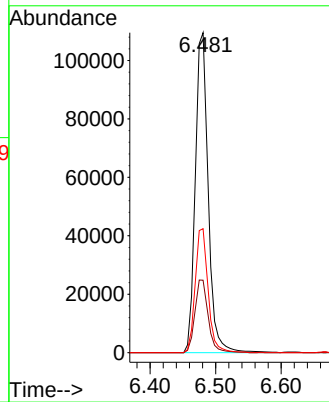
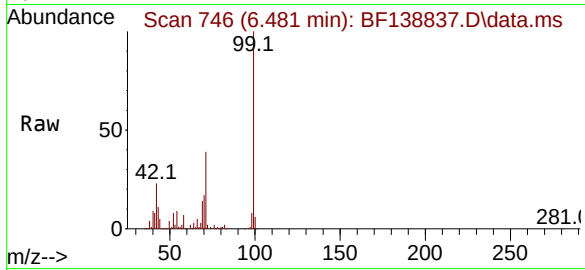




#7
Phenol-d6
Concen: 38.194 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138837.D
Acq: 07 Aug 2024 12:34

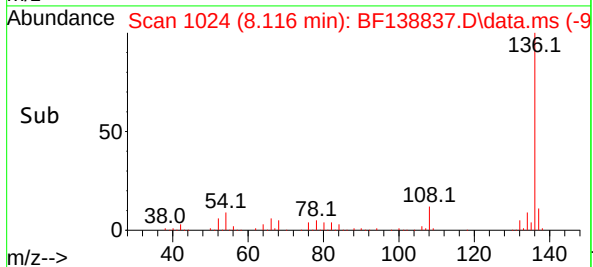
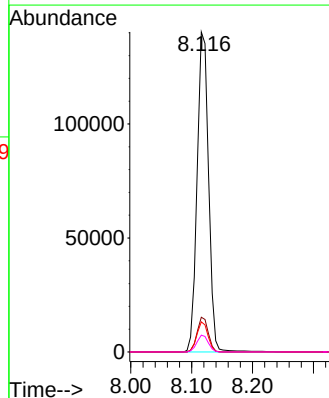
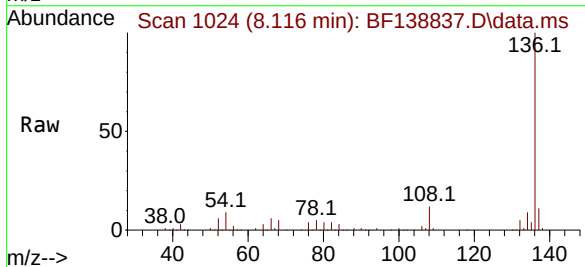
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124

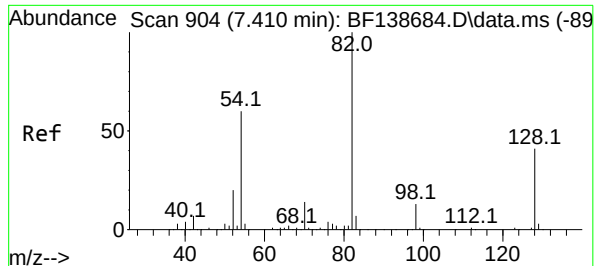
Tgt Ion: 99 Resp: 150259
Ion Ratio Lower Upper
99 100
42 22.6 17.4 26.0
71 38.7 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138837.D
Acq: 07 Aug 2024 12:34

Tgt Ion: 136 Resp: 183620
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.4 8.6 12.8
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 94.791 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138837.D

Acq: 07 Aug 2024 12:34

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124

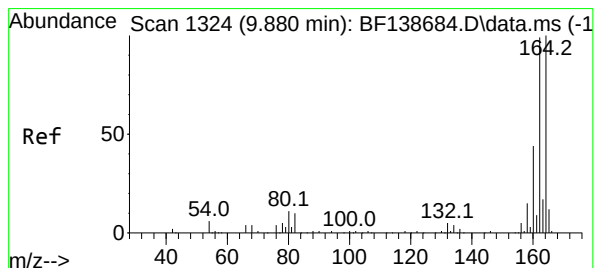
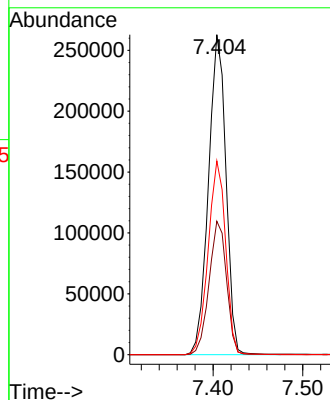
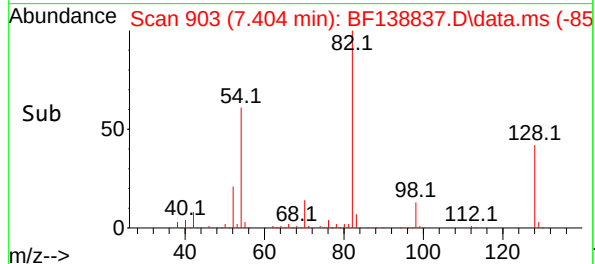
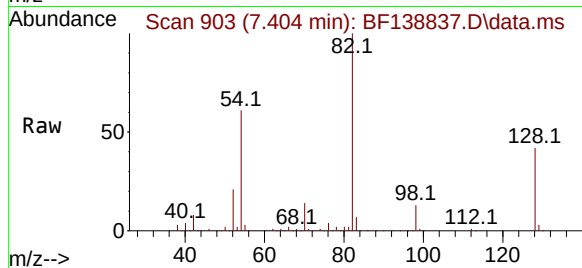
Tgt Ion: 82 Resp: 356005

Ion Ratio Lower Upper

82 100

128 41.7 32.8 49.2

54 60.6 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: BF138837.D

Acq: 07 Aug 2024 12:34

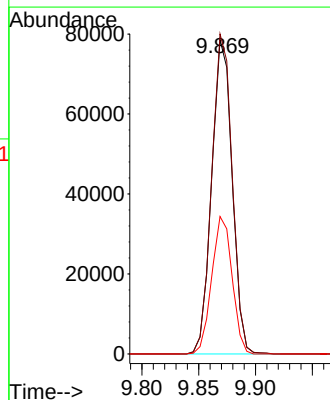
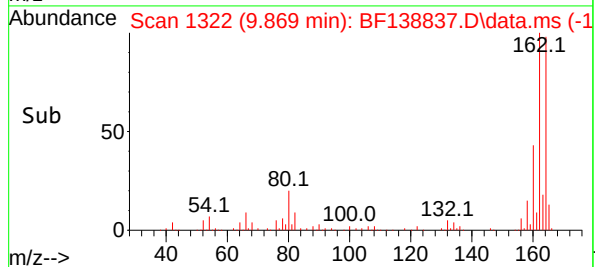
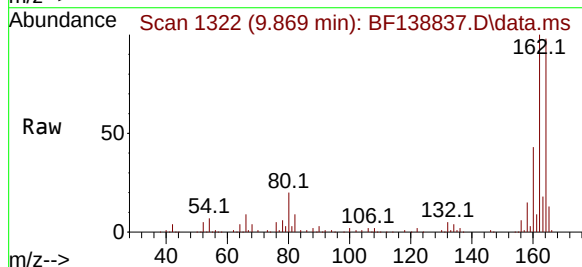
Tgt Ion:164 Resp: 98316

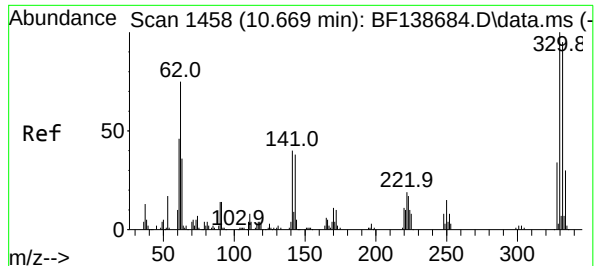
Ion Ratio Lower Upper

164 100

162 101.9 79.4 119.0

160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 153.694 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138837.D

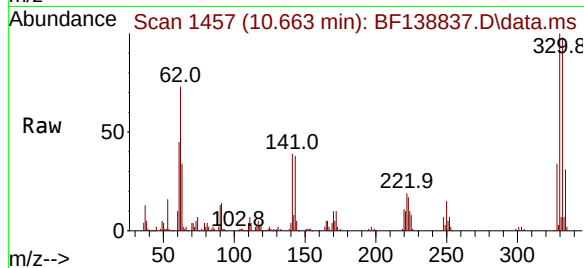
Acq: 07 Aug 2024 12:34

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124



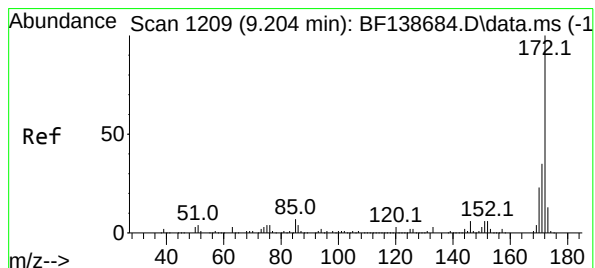
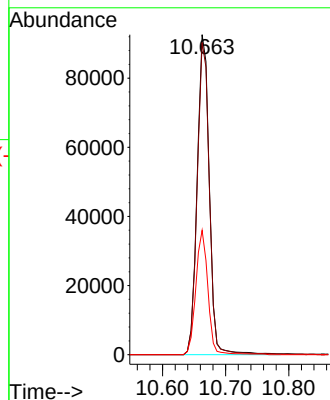
Tgt Ion:330 Resp: 123776

Ion Ratio Lower Upper

330 100

332 96.9 76.4 114.6

141 38.5 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 98.275 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138837.D

Acq: 07 Aug 2024 12:34

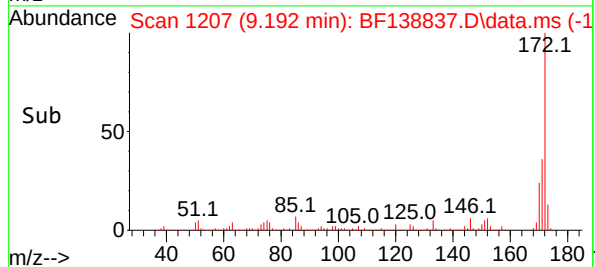
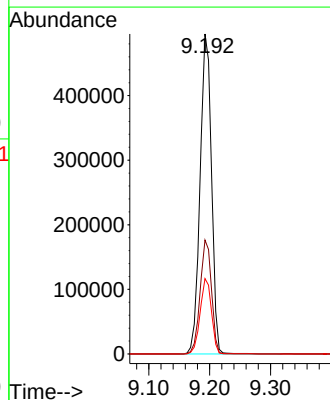
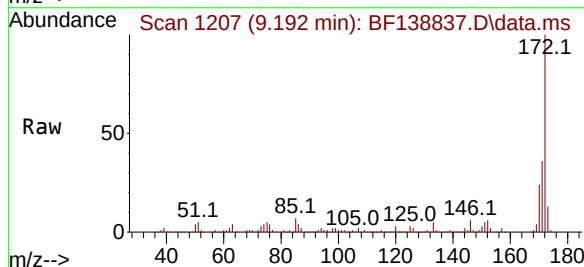
Tgt Ion:172 Resp: 643066

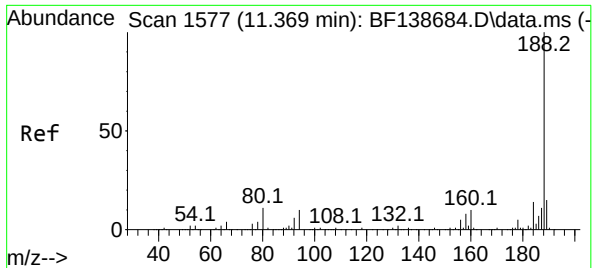
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.5 18.8 28.2

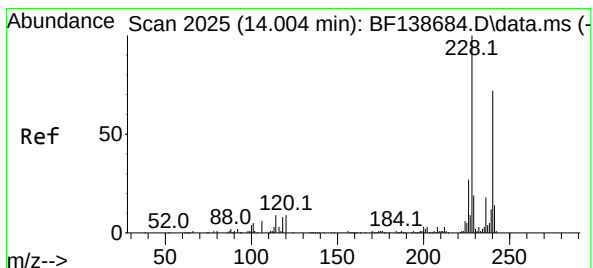
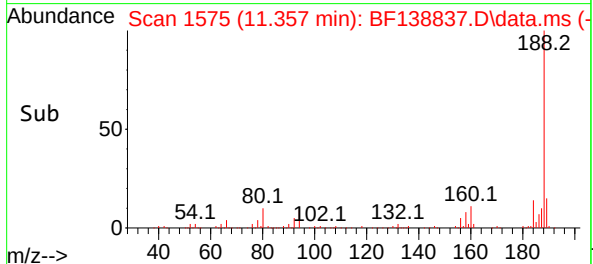
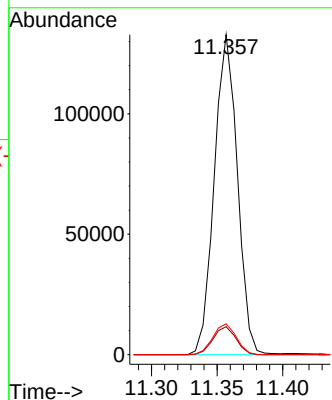
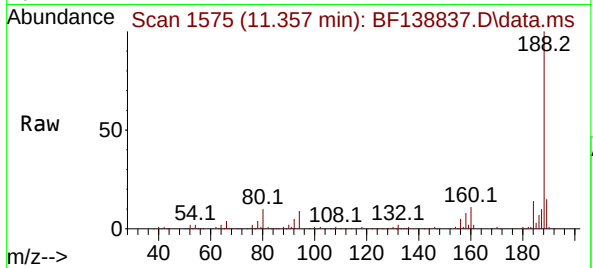




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138837.D
Acq: 07 Aug 2024 12:34

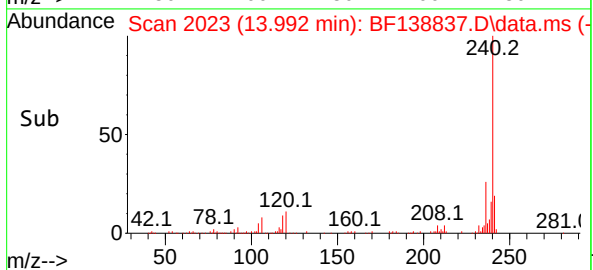
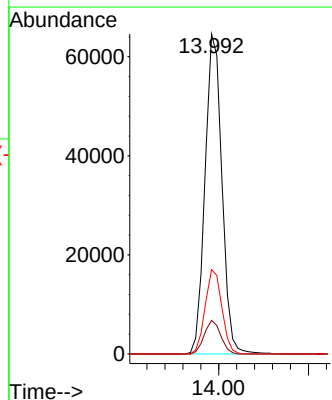
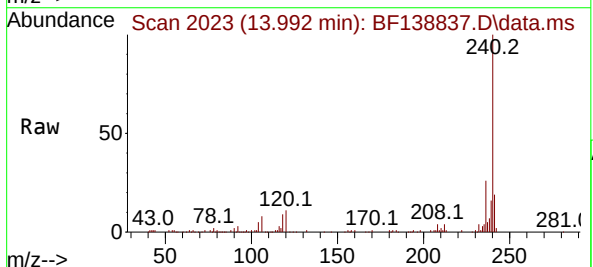
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124

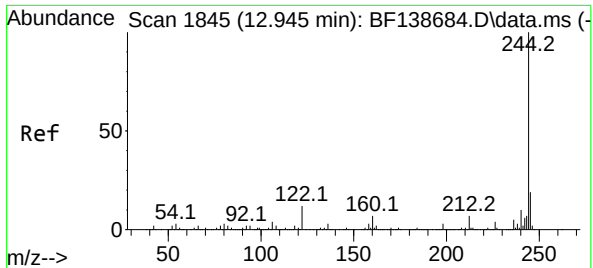
Tgt Ion:188 Resp: 162437
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 9.7 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF138837.D
Acq: 07 Aug 2024 12:34

Tgt Ion:240 Resp: 84407
Ion Ratio Lower Upper
240 100
120 10.5 10.2 15.4
236 26.3 19.8 29.8





#79

Terphenyl-d14

Concen: 113.805 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138837.D

Acq: 07 Aug 2024 12:34

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124

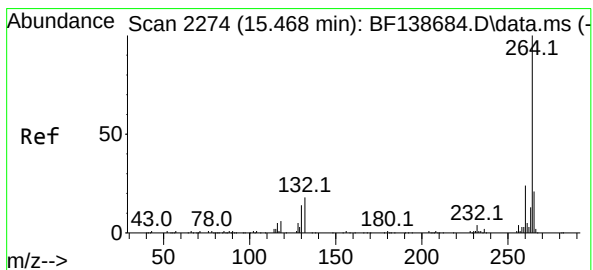
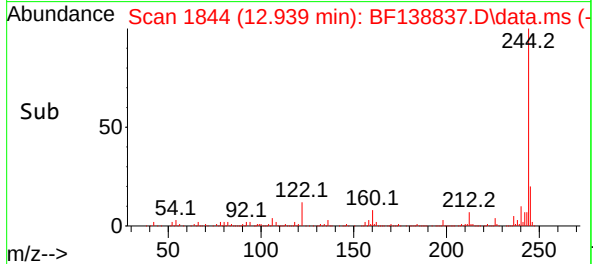
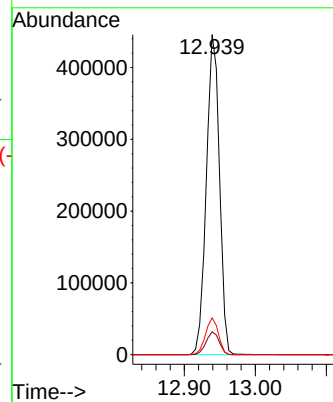
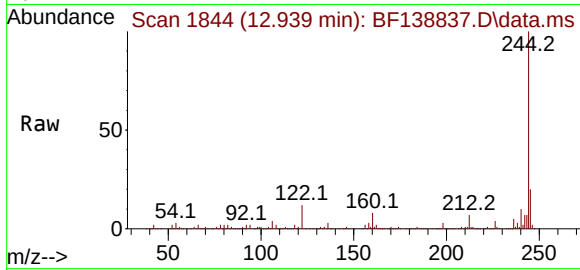
Tgt Ion:244 Resp: 573739

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.5 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: BF138837.D

Acq: 07 Aug 2024 12:34

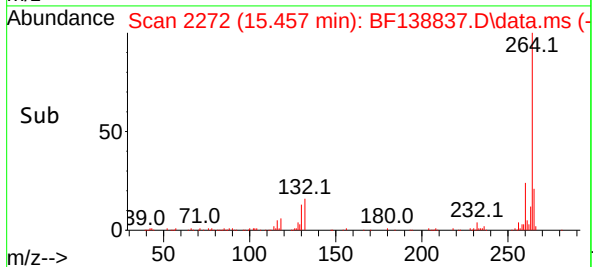
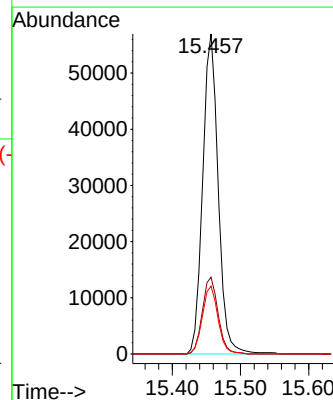
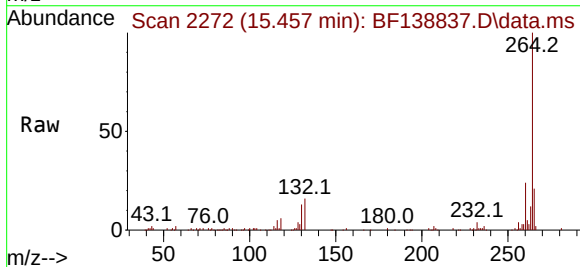
Tgt Ion:264 Resp: 89901

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.2 17.0 25.6



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	922-K1-WS-080124	SDG No.:	P3440
Lab Sample ID:	P3440-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	890 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
BF138840.D	1	08/02/24 09:23	08/07/24 14:05	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.70	U	1.70	5.60	ug/L
100-52-7	Benzaldehyde	4.50	U	4.50	11.2	ug/L
95-48-7	2-Methylphenol	1.30	U	1.30	5.60	ug/L
98-86-2	Acetophenone	1.20	U	1.20	5.60	ug/L
65794-96-9	3+4-Methylphenols	1.30	U	1.30	11.2	ug/L
98-95-3	Nitrobenzene	1.40	U	1.40	5.60	ug/L
120-83-2	2,4-Dichlorophenol	0.99	U	0.99	5.60	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.60	ug/L
87-68-3	Hexachlorobutadiene	1.40	U	1.40	5.60	ug/L
91-57-6	2-Methylnaphthalene	1.30	U	1.30	5.60	ug/L
88-06-2	2,4,6-Trichlorophenol	1.00	U	1.00	5.60	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.60	ug/L
208-96-8	Acenaphthylene	1.20	U	1.20	5.60	ug/L
83-32-9	Acenaphthene	0.91	U	0.91	5.60	ug/L
132-64-9	Dibenzofuran	1.00	U	1.00	5.60	ug/L
86-73-7	Fluorene	1.10	U	1.10	5.60	ug/L
118-74-1	Hexachlorobenzene	1.30	U	1.30	5.60	ug/L
87-86-5	Pentachlorophenol	2.10	U	2.10	11.2	ug/L
85-01-8	Phenanthrene	1.00	U	1.00	5.60	ug/L
86-74-8	Carbazole	1.30	U	1.30	5.60	ug/L
84-74-2	Di-n-butylphthalate	1.70	U	1.70	5.60	ug/L
206-44-0	Fluoranthene	1.40	U	1.40	5.60	ug/L
129-00-0	Pyrene	1.20	U	1.20	5.60	ug/L
56-55-3	Benzo(a)anthracene	1.10	U	1.10	5.60	ug/L
218-01-9	Chrysene	0.97	U	0.97	5.60	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	U	2.10	5.60	ug/L
205-99-2	Benzo(b)fluoranthene	1.30	U	1.30	5.60	ug/L
207-08-9	Benzo(k)fluoranthene	1.30	U	1.30	5.60	ug/L
50-32-8	Benzo(a)pyrene	1.90	U	1.90	5.60	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	922-K1-WS-080124	SDG No.:	P3440
Lab Sample ID:	P3440-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	890 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
BF138840.D	1	08/02/24 09:23	08/07/24 14:05	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.60	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.30	U	1.30	5.60	ug/L
191-24-2	Benzo(g,h,i)perylene	1.30	U	1.30	5.60	ug/L
123-91-1	1,4-Dioxane	1.40	U	1.40	5.60	ug/L
90-12-0	1-Methylnaphthalene	0.97	U	0.97	5.60	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	57.9		15 (10) - 110 (139)	39%	SPK: 150
13127-88-3	Phenol-d6	34.5		15 (10) - 110 (134)	23%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.4		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.8		30 (52) - 130 (132)	97%	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	41800	6.84			
1146-65-2	Naphthalene-d8	170000	8.116			
15067-26-2	Acenaphthene-d10	89900	9.869			
1517-22-2	Phenanthrene-d10	146000	11.357			
1719-03-5	Chrysene-d12	76100	13.998			
1520-96-3	Perylene-d12	79900	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 : BF138840.D
Acq On : 07 Aug 2024 14:05
Operator : RC/JU
Sample : P3440-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
922-K1-WS-080124

Quant Time: Aug 07 14:48:58 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 17:50:01 2024
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	41750	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	169871	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	89884	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	145951	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	76059	20.000	ng	0.00
86) Perylene-d12	15.457	264	79882	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	156639	57.915	ng	0.00
7) Phenol-d6	6.481	99	125175	34.472	ng	0.00
23) Nitrobenzene-d5	7.404	82	320945	92.373	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	108547	147.428	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	579001	96.786	ng	-0.01
79) Terphenyl-d14	12.945	244	492412	108.393	ng	0.00

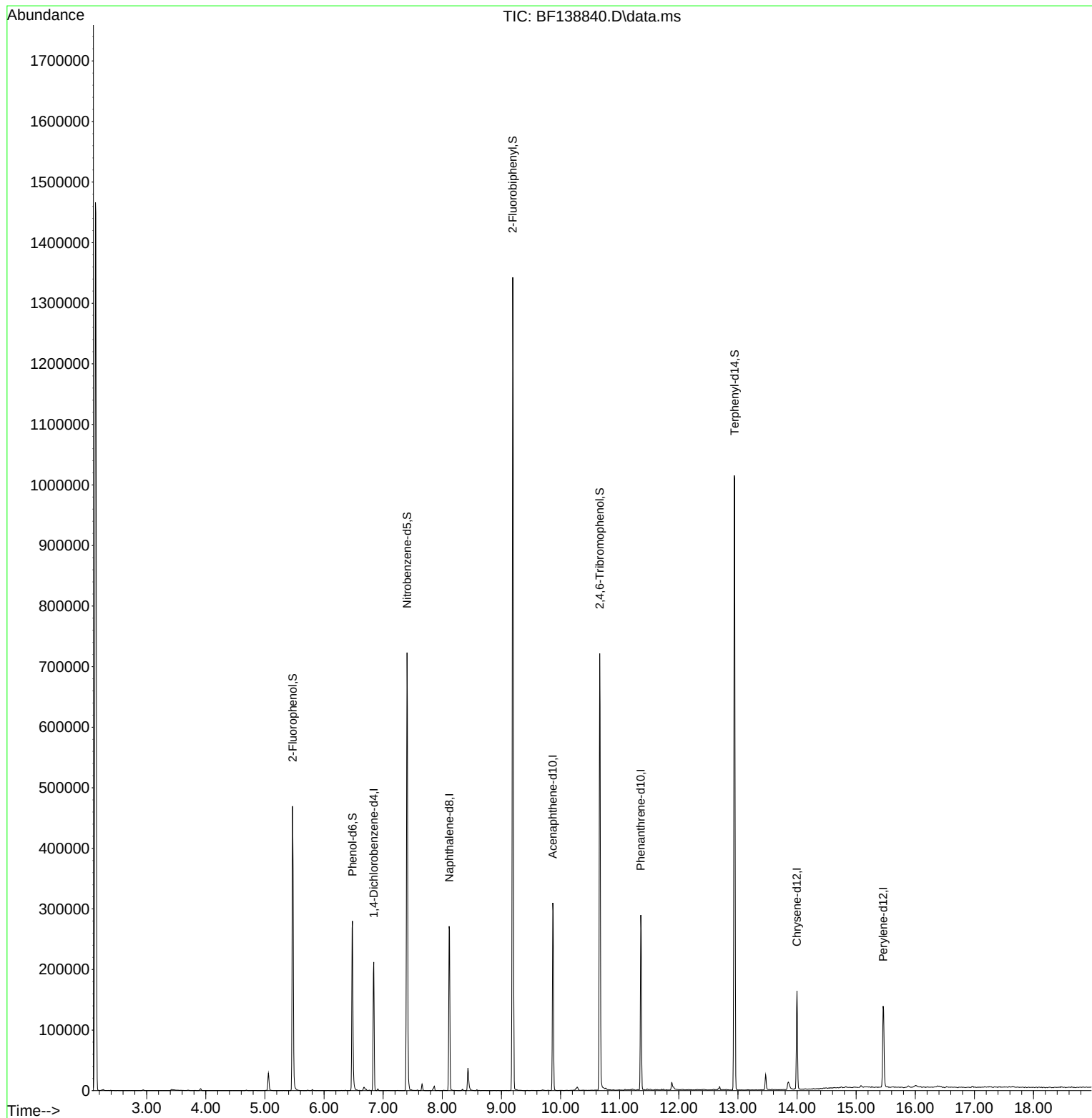
Target Compounds	Qvalue

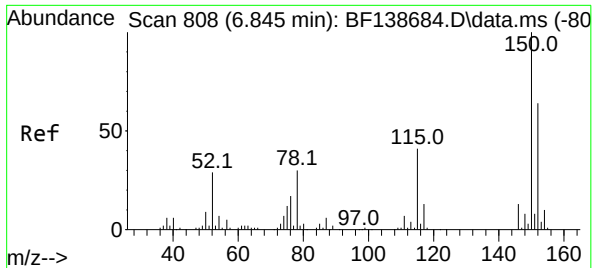
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138840.D
Acq On : 07 Aug 2024 14:05
Operator : RC/JU
Sample : P3440-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
922-K1-WS-080124

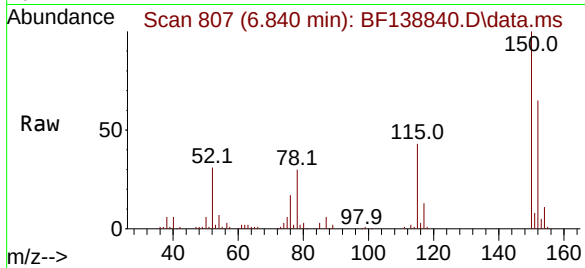
Quant Time: Aug 07 14:48:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



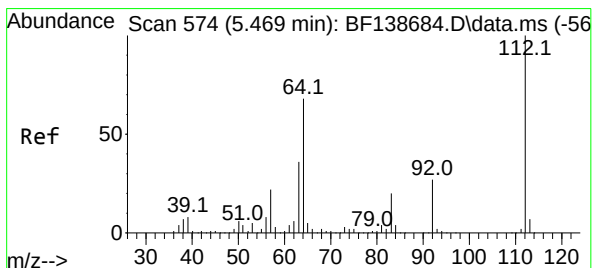
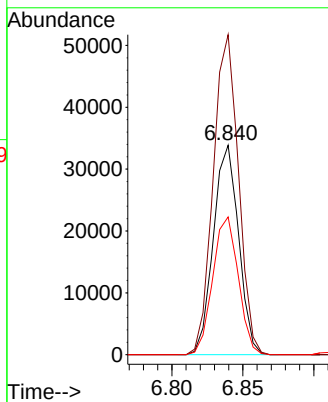
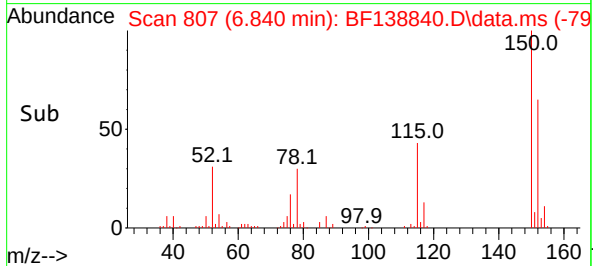


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138840.D
Acq: 07 Aug 2024 14:05

Instrument :
BNA_F
ClientSampleId :
922-K1-WS-080124

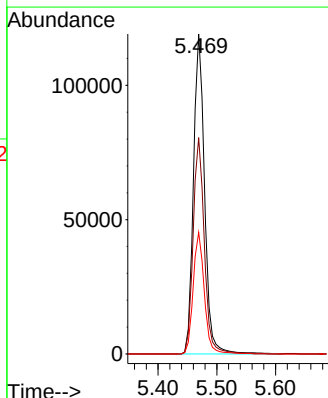
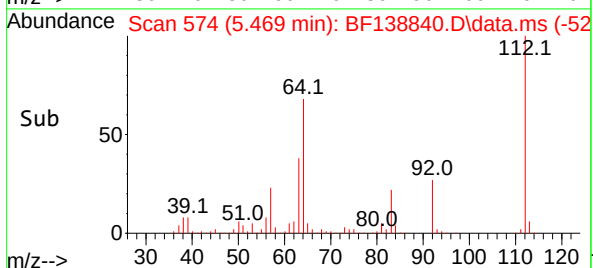
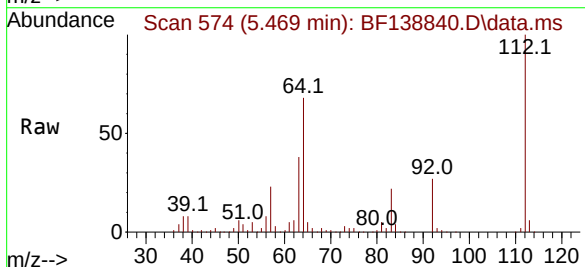


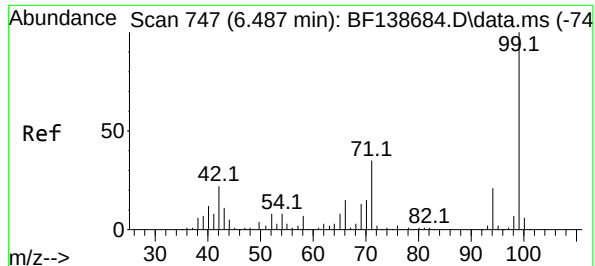
Tgt Ion:152 Resp: 41750
Ion Ratio Lower Upper
152 100
150 152.8 126.0 189.0
115 65.8 51.7 77.5



#5
2-Fluorophenol
Concen: 57.915 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138840.D
Acq: 07 Aug 2024 14:05

Tgt Ion:112 Resp: 156639
Ion Ratio Lower Upper
112 100
64 67.6 54.2 81.4
63 38.0 28.7 43.1

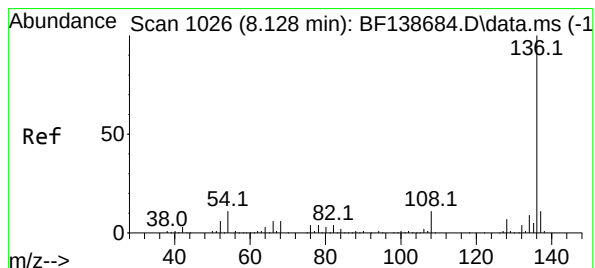
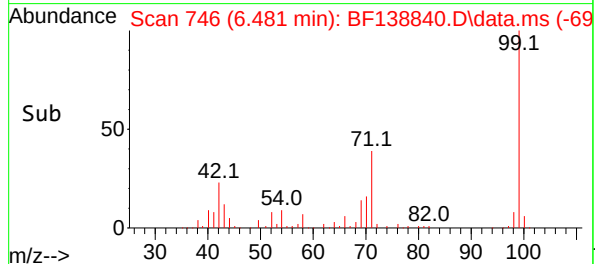
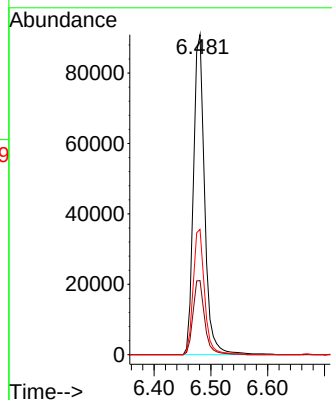
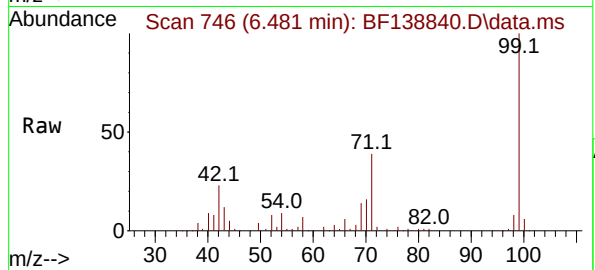




#7
Phenol-d6
Concen: 34.472 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138840.D
Acq: 07 Aug 2024 14:05

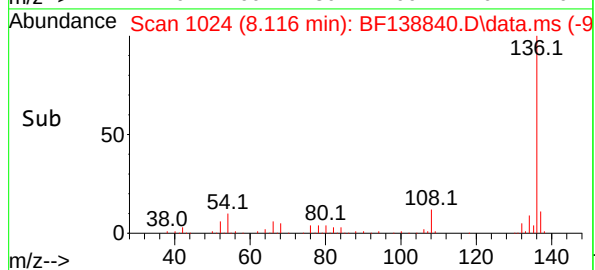
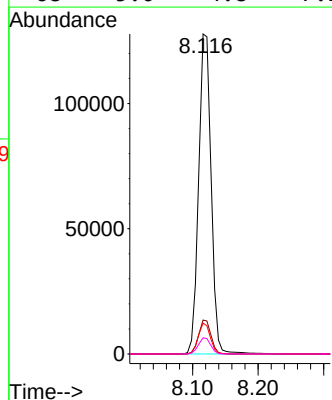
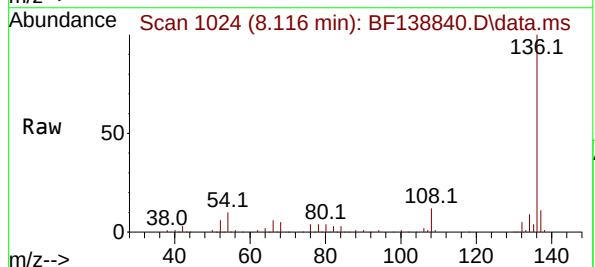
Instrument :
BNA_F
ClientSampleId :
922-K1-WS-080124

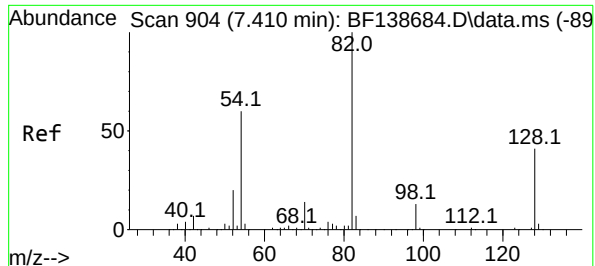
Tgt Ion: 99 Resp: 125175
Ion Ratio Lower Upper
99 100
42 23.2 17.4 26.0
71 39.1 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138840.D
Acq: 07 Aug 2024 14:05

Tgt Ion: 136 Resp: 169871
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 9.7 8.6 12.8
68 5.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 92.373 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138840.D

Acq: 07 Aug 2024 14:05

Instrument :

BNA_F

ClientSampleId :

922-K1-WS-080124

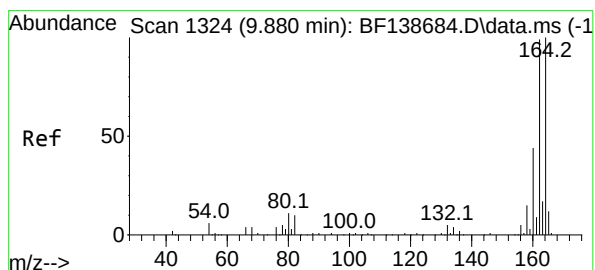
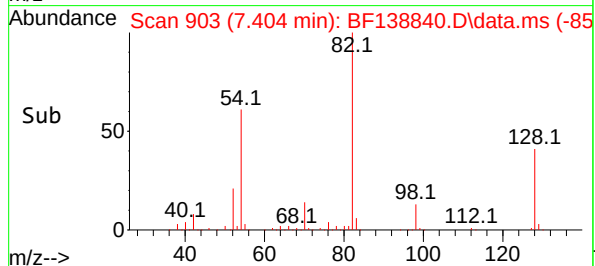
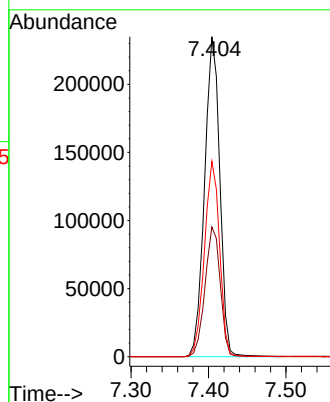
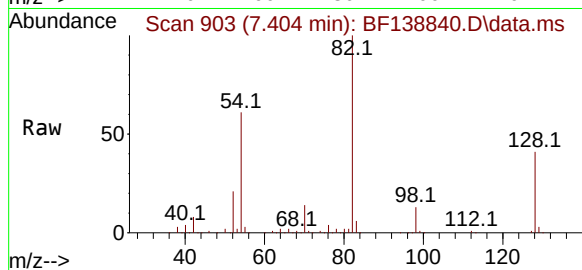
Tgt Ion: 82 Resp: 320945

Ion Ratio Lower Upper

82 100

128 40.6 32.8 49.2

54 61.1 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: BF138840.D

Acq: 07 Aug 2024 14:05

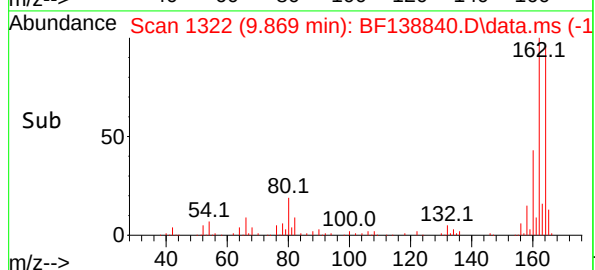
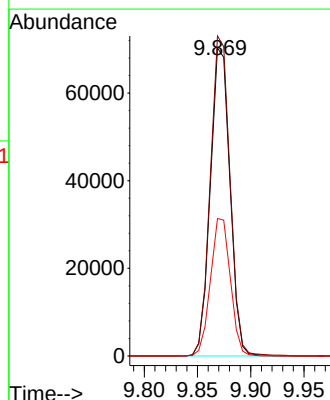
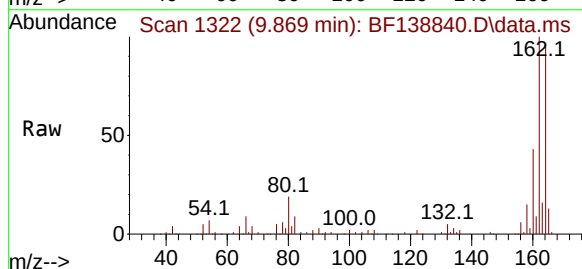
Tgt Ion:164 Resp: 89884

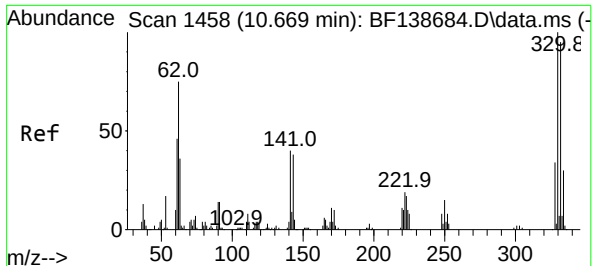
Ion Ratio Lower Upper

164 100

162 103.9 79.4 119.0

160 44.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 147.428 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138840.D

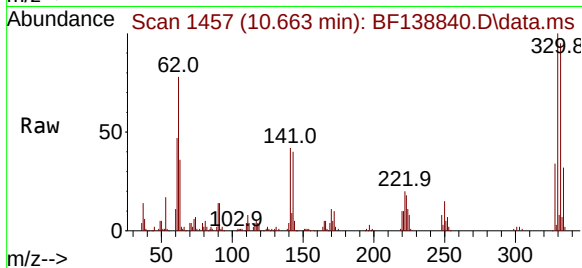
Acq: 07 Aug 2024 14:05

Instrument :

BNA_F

ClientSampleId :

922-K1-WS-080124



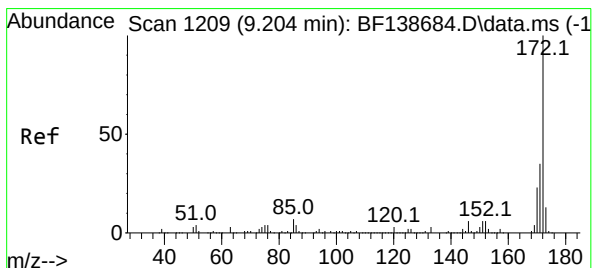
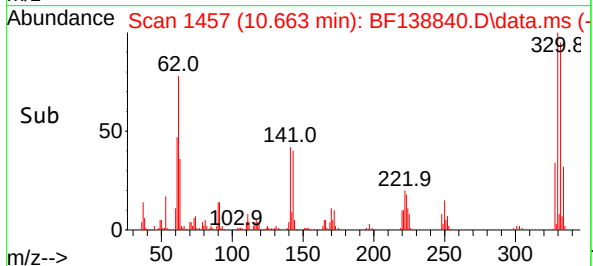
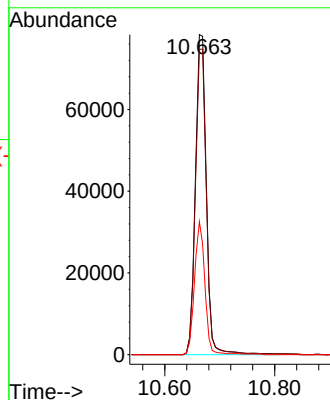
Tgt Ion:330 Resp: 108547

Ion Ratio Lower Upper

330 100

332 95.0 76.4 114.6

141 39.4 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 96.786 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138840.D

Acq: 07 Aug 2024 14:05

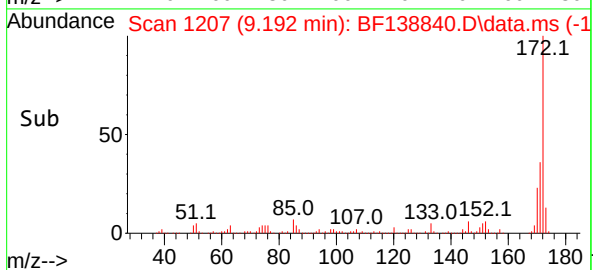
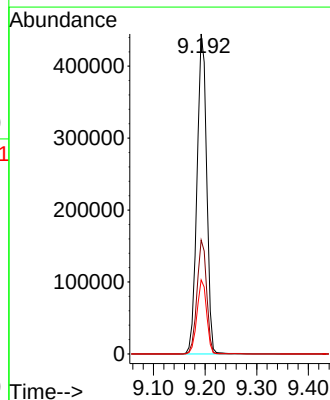
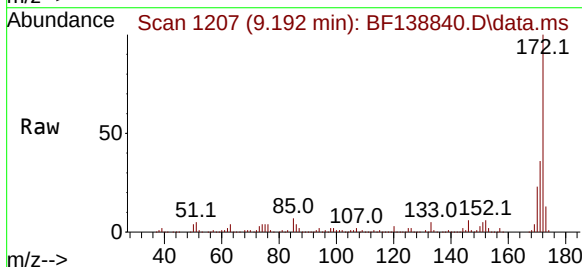
Tgt Ion:172 Resp: 579001

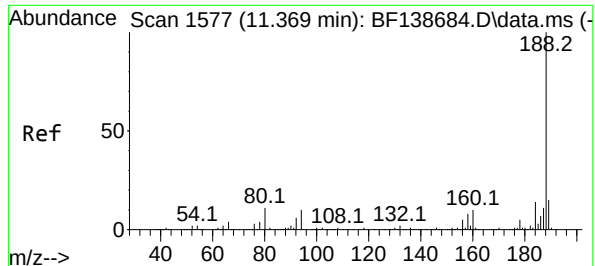
Ion Ratio Lower Upper

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: BF138840.D

Acq: 07 Aug 2024 14:05

Instrument :

BNA_F

ClientSampleId :

922-K1-WS-080124

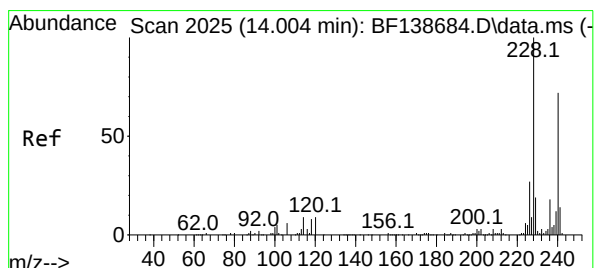
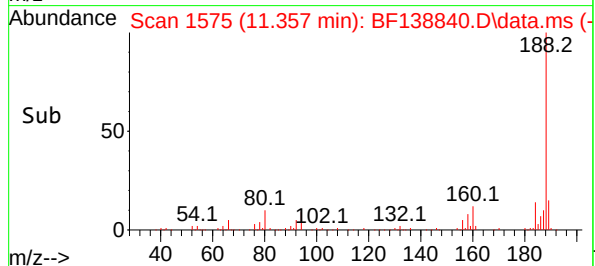
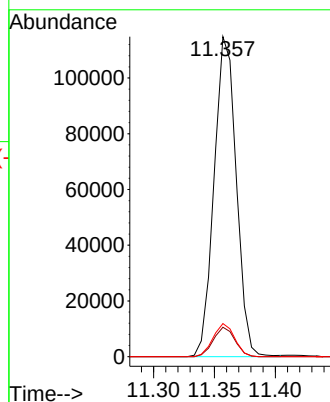
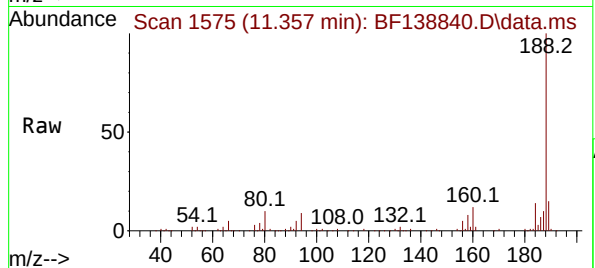
Tgt Ion:188 Resp: 145951

Ion Ratio Lower Upper

188 100

94 9.2 7.6 11.4

80 10.4 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: BF138840.D

Acq: 07 Aug 2024 14:05

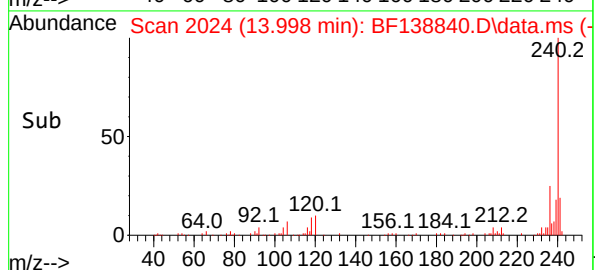
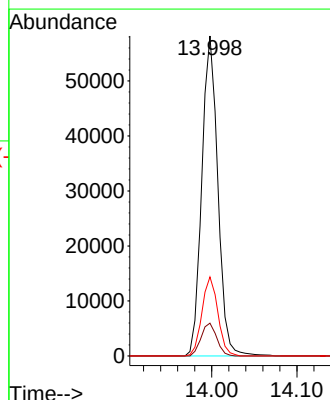
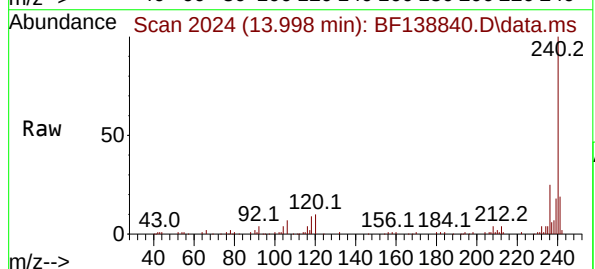
Tgt Ion:240 Resp: 76059

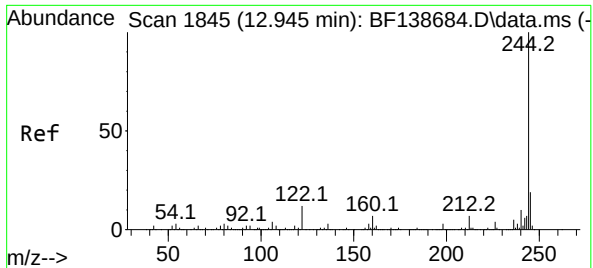
Ion Ratio Lower Upper

240 100

120 10.3 10.2 15.4

236 24.7 19.8 29.8

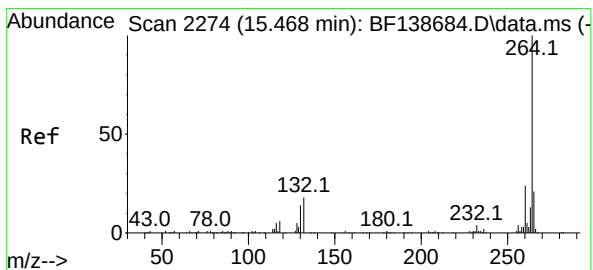
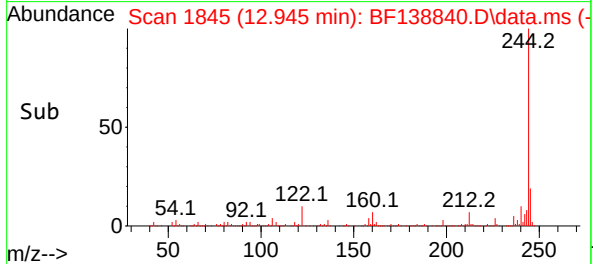
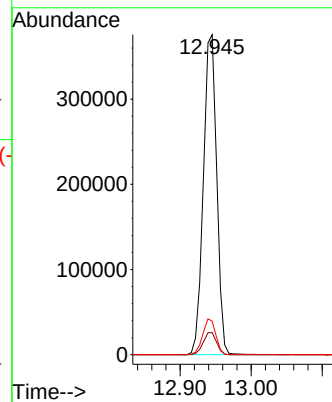
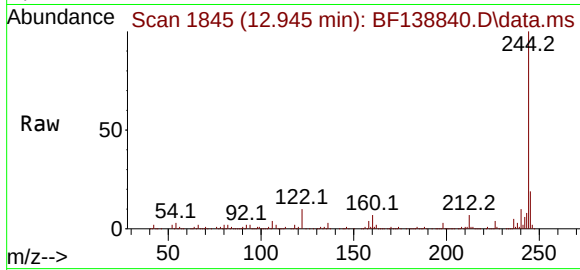




#79
Terphenyl-d14
Concen: 108.393 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138840.D
Acq: 07 Aug 2024 14:05

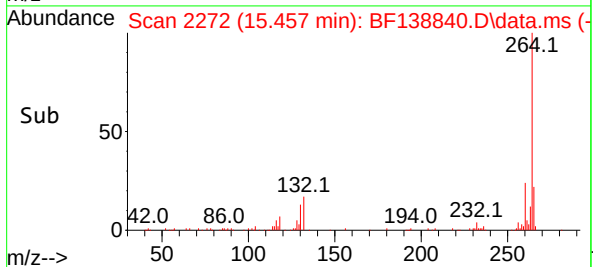
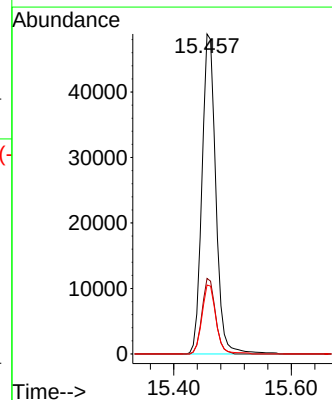
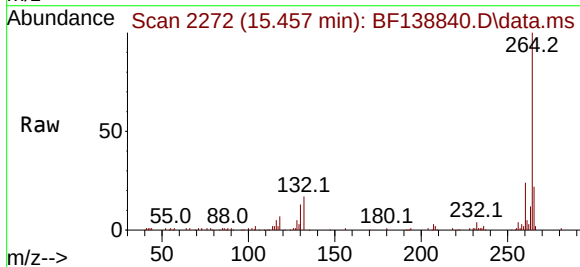
Instrument :
BNA_F
ClientSampleId :
922-K1-WS-080124

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.5	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: BF138840.D
Acq: 07 Aug 2024 14:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.5	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)	Butylbenzylpht...	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)

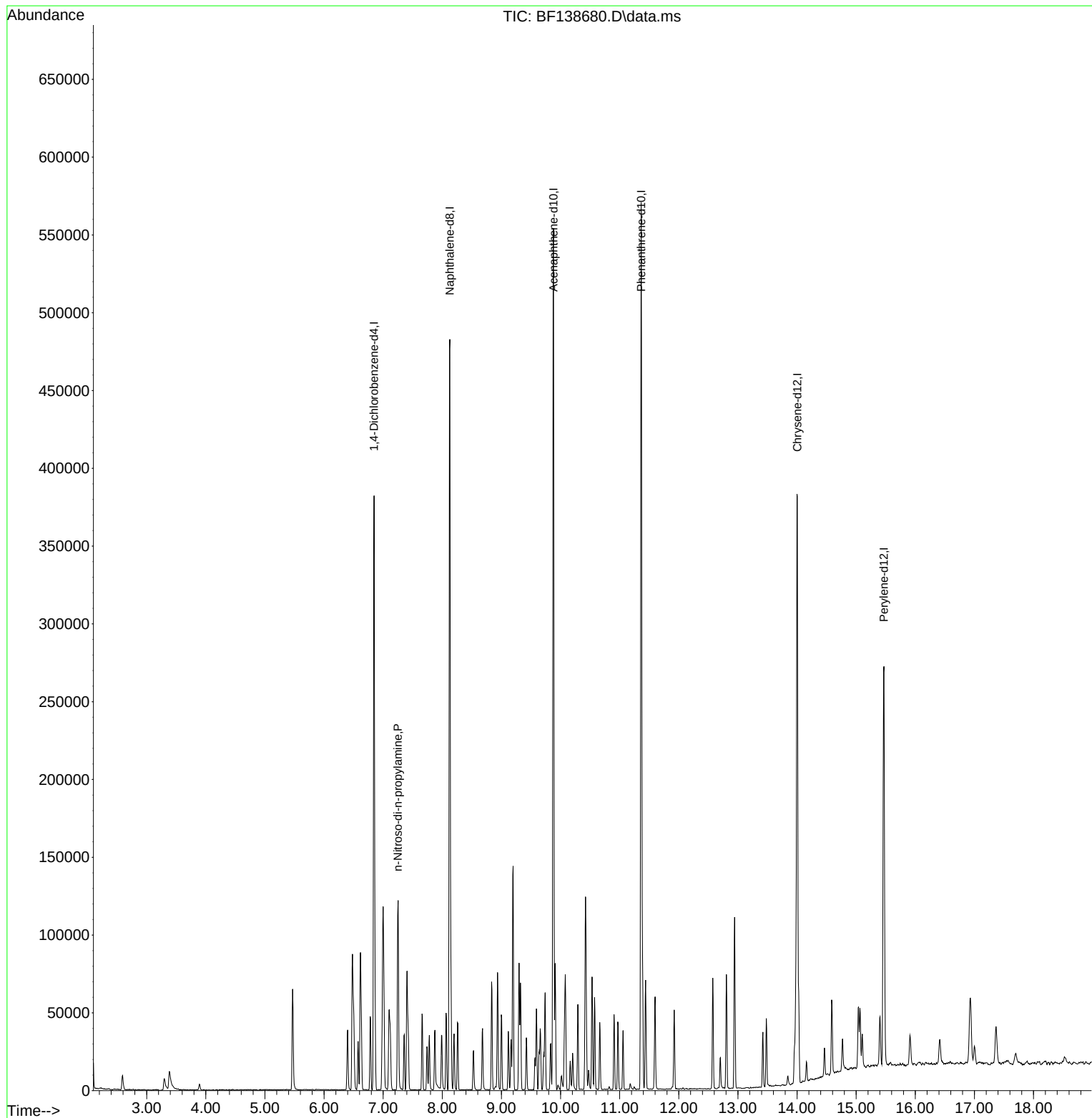
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	73346	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293951	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	161886	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	284722	20.000	ng	0.00
76) Chrysene-d12	14.004	240	165574	20.000	ng	0.00
86) Perylene-d12	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

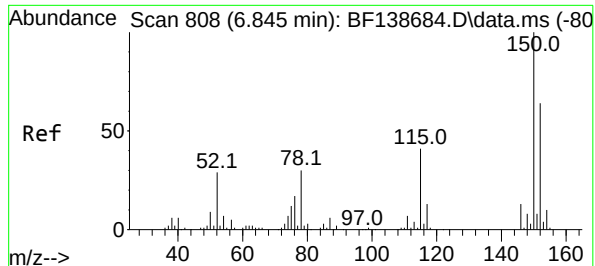
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

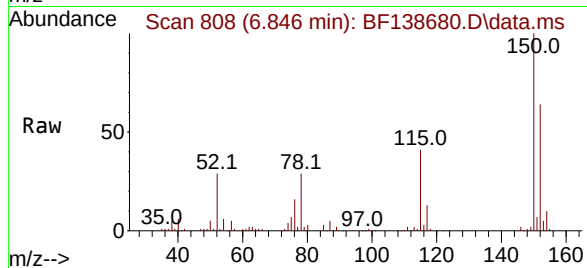
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



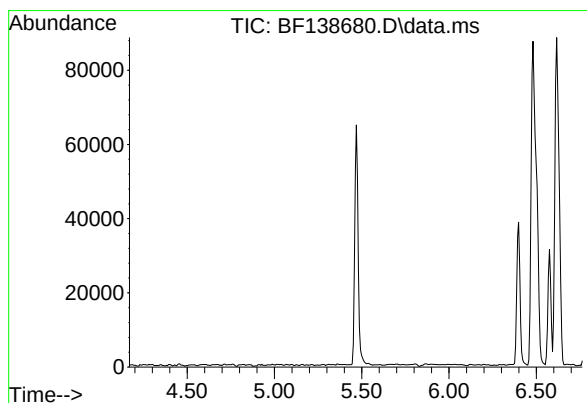
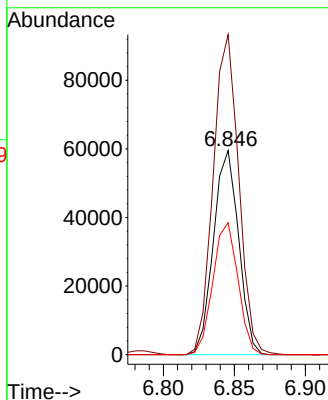
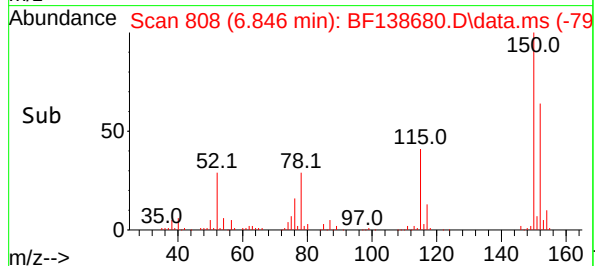
Tgt Ion:152 Resp: 73346

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

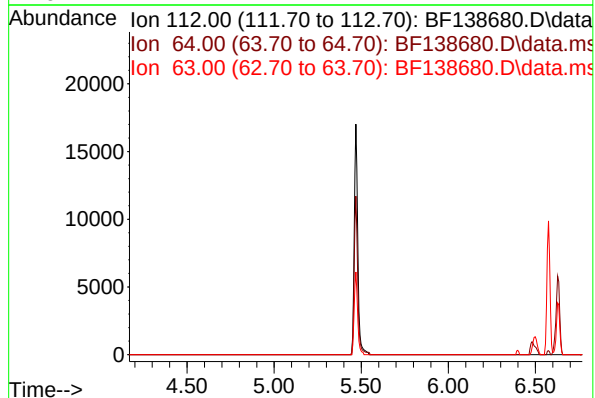
Tgt Ion: 112

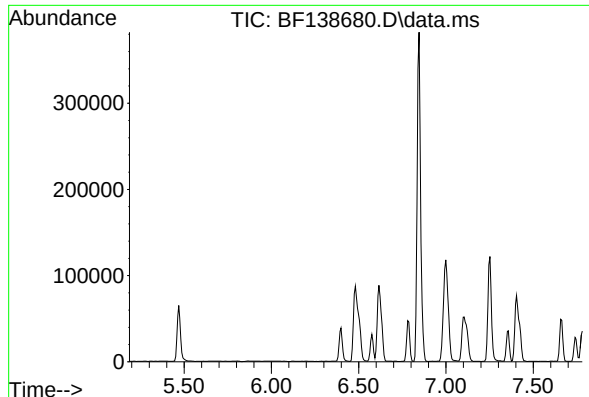
Sig Exp Ratio

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

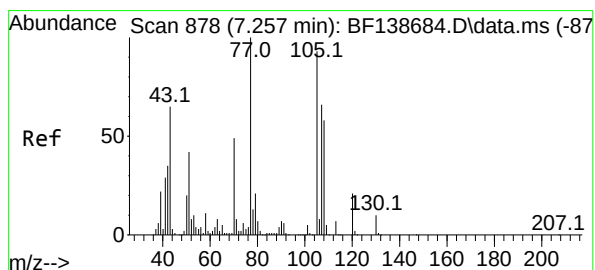
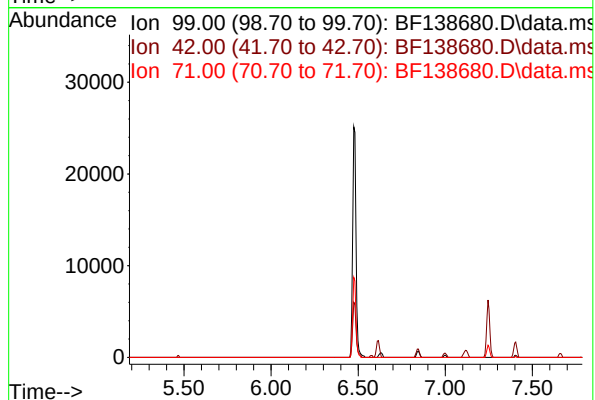
Tgt Ion: 99

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

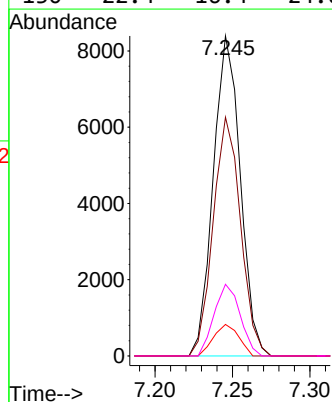
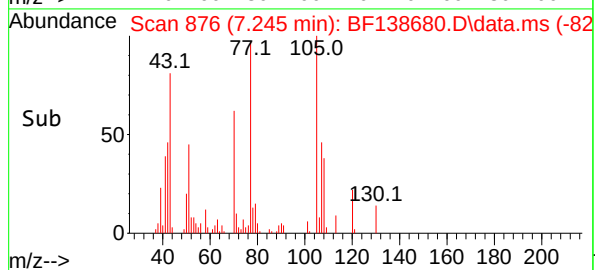
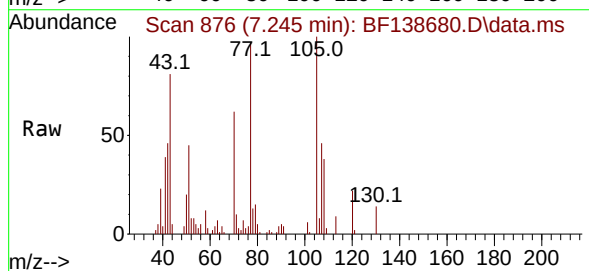
Ion Ratio Lower Upper

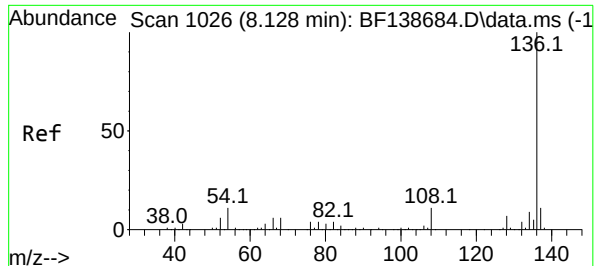
70 100

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

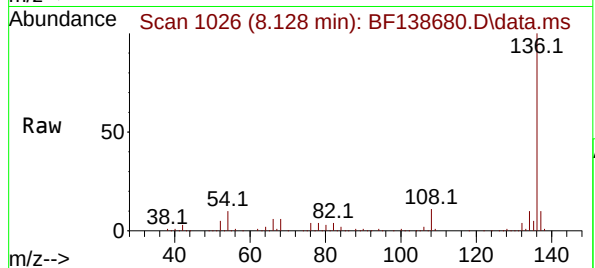
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 293951

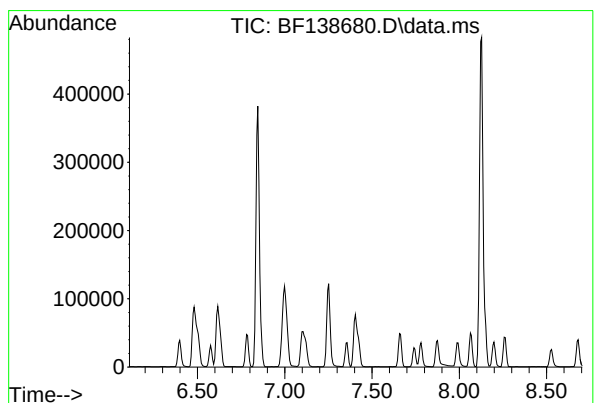
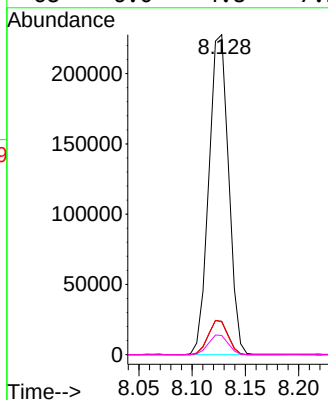
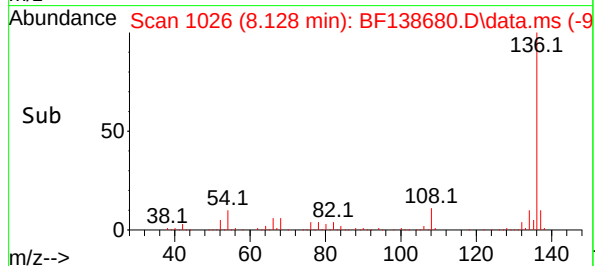
Ion Ratio Lower Upper

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

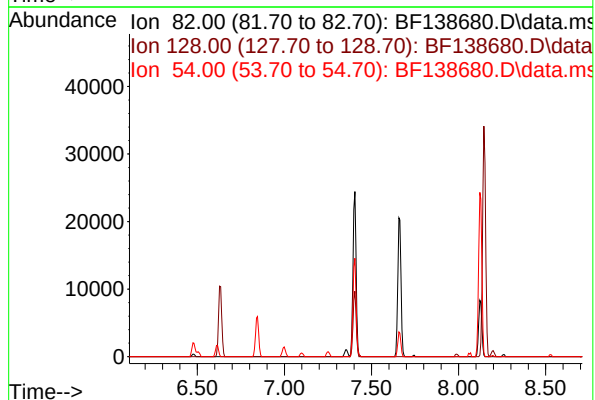
Tgt Ion: 82

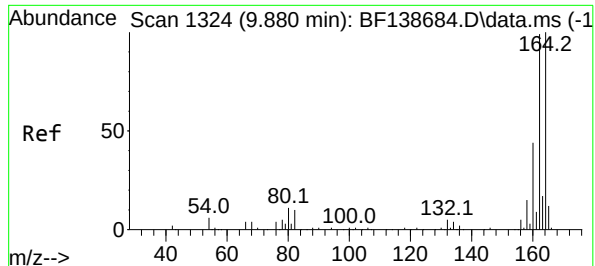
Sig Exp Ratio

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

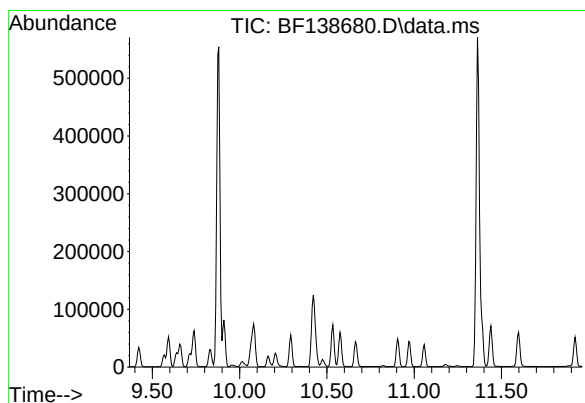
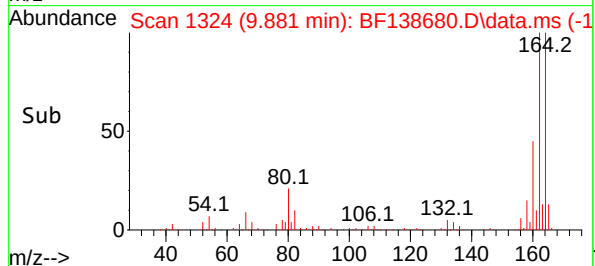
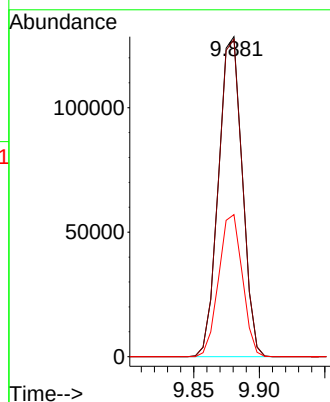
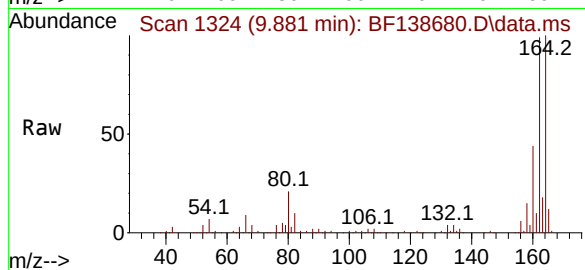
Tgt Ion:164 Resp: 161886

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

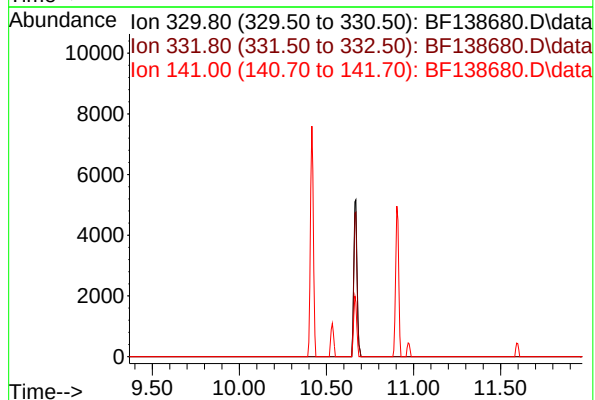
Tgt Ion: 330

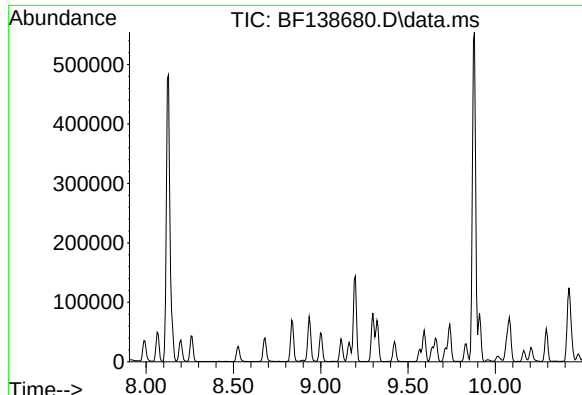
Sig Exp Ratio

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

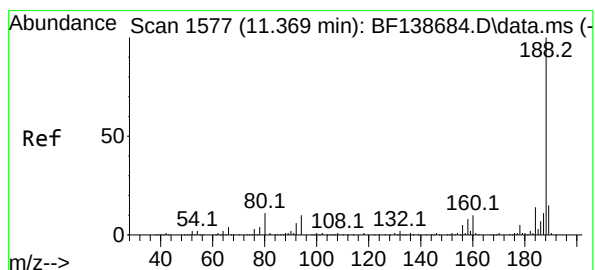
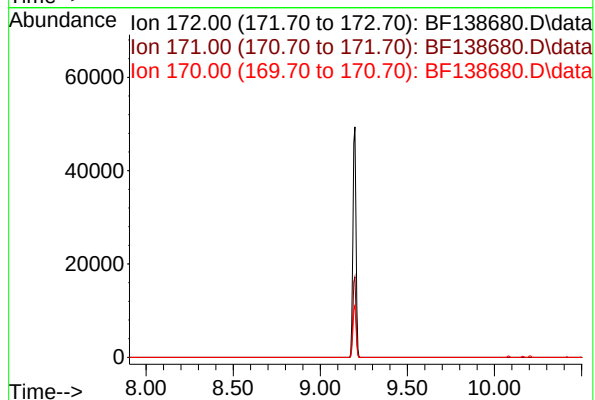
Tgt Ion: 172

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

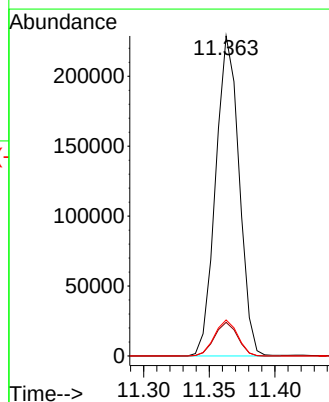
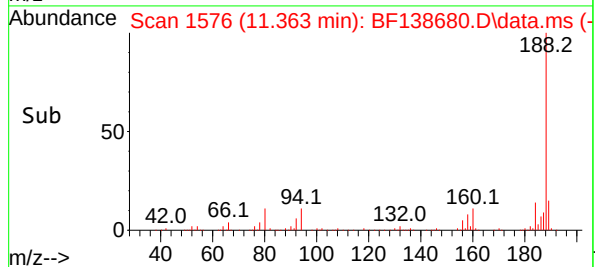
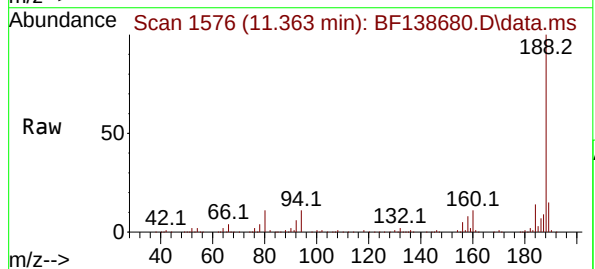
Tgt Ion: 188 Resp: 284722

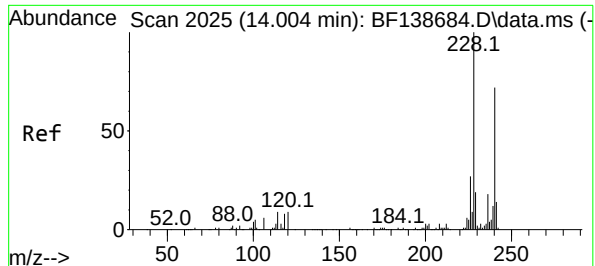
Ion Ratio Lower Upper

188 100

94 10.5 7.6 11.4

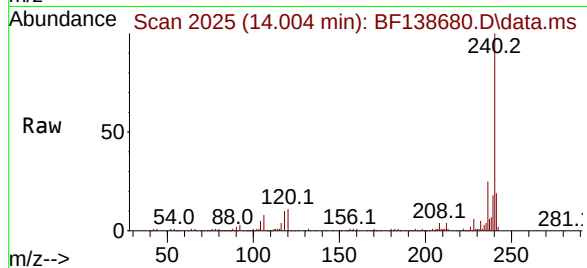
80 11.3 8.6 12.8



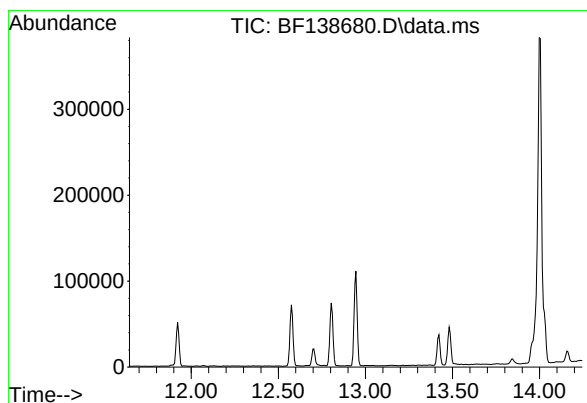
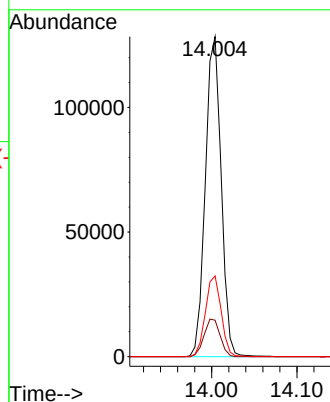
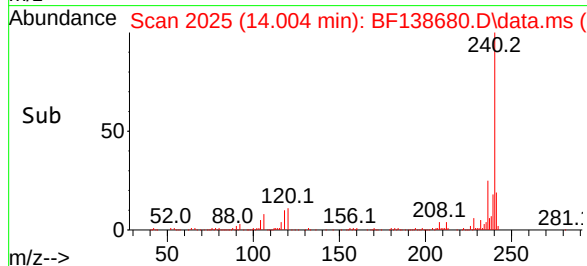


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



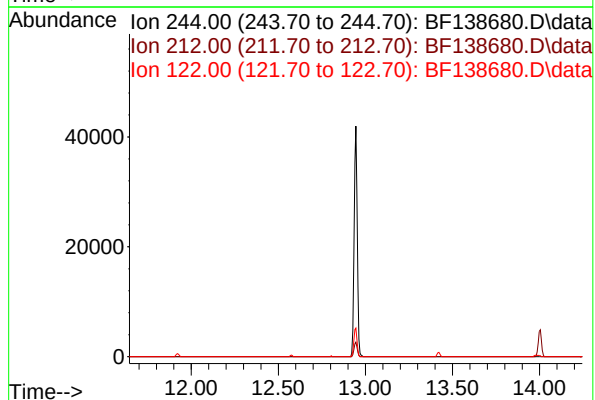
Tgt Ion:240 Resp: 165574
Ion Ratio Lower Upper
240 100
120 11.4 10.2 15.4
236 25.3 19.8 29.8



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

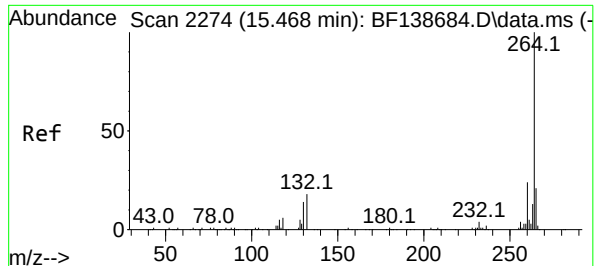
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



Ion 212.00 (211.70 to 212.70): BF138680.D\data

Ion 122.00 (121.70 to 122.70): BF138680.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138680.D

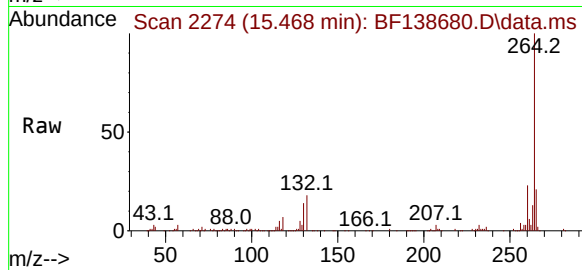
Acq: 30 Jul 2024 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



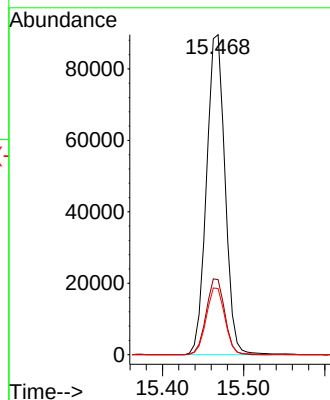
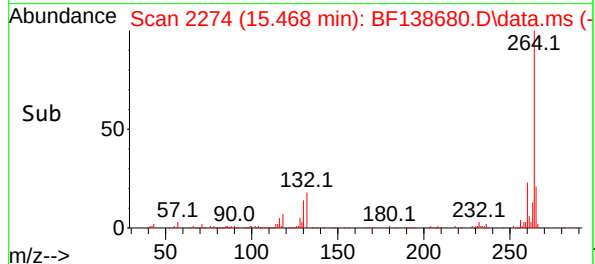
Tgt Ion:264 Resp: 141601

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

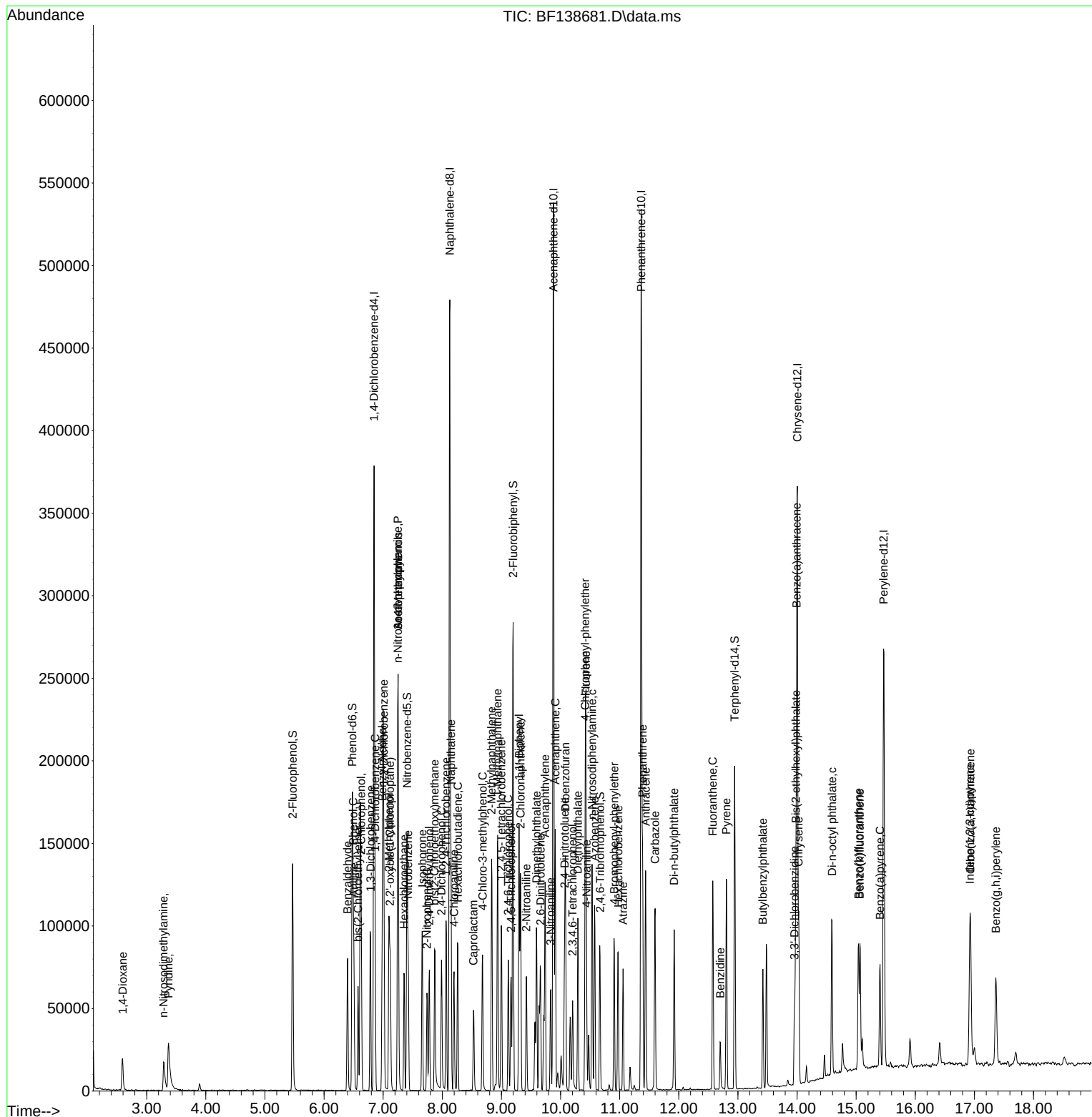
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.322	162	49660	5.421	ng	100
48) 2-Nitroaniline	9.422	65	15473	4.982	ng	95
49) Acenaphthylene	9.739	152	70622	5.435	ng	99
50) Dimethylphthalate	9.592	163	52521	5.223	ng	99
51) 2,6-Dinitrotoluene	9.663	165	11264	4.963	ng	95
52) Acenaphthene	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

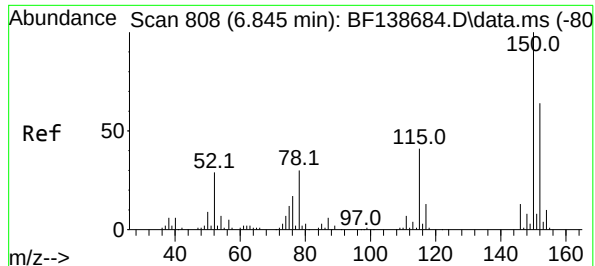
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

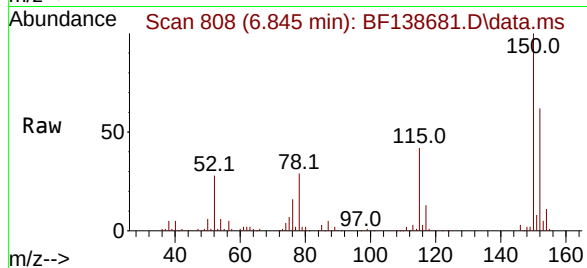
Quant Time: Jul 30 17:41:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration



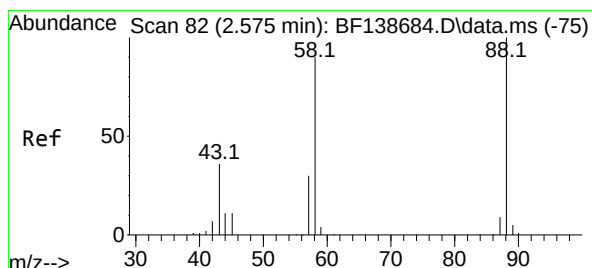
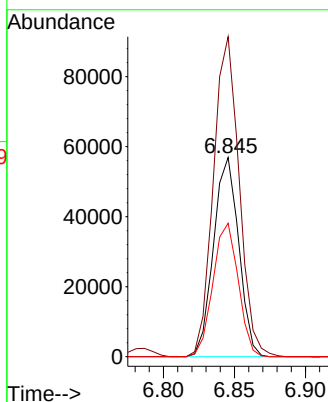
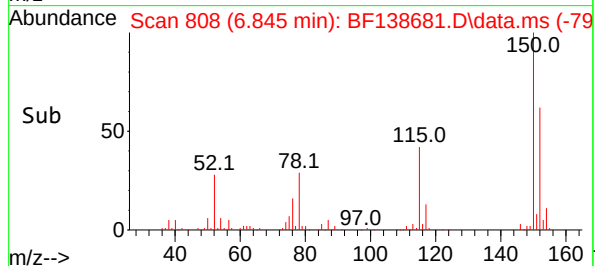


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

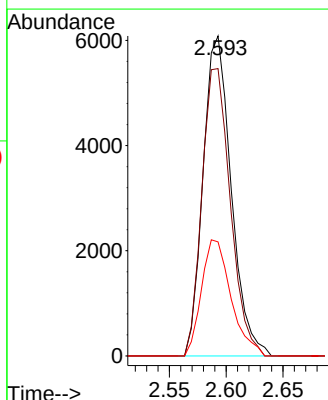
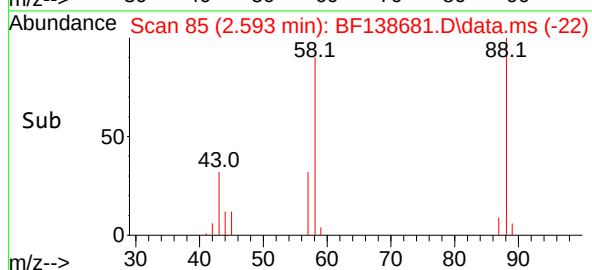
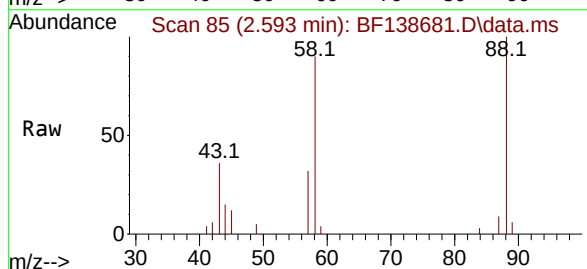


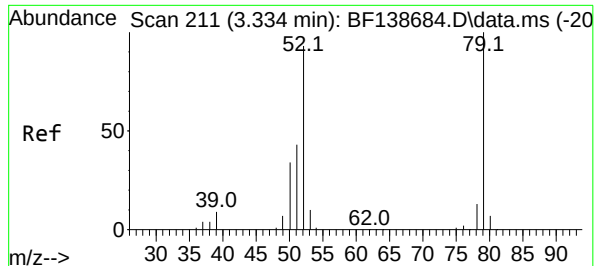
Tgt Ion:152 Resp: 70137
Ion Ratio Lower Upper
152 100
150 160.6 126.0 189.0
115 67.0 51.7 77.5



#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

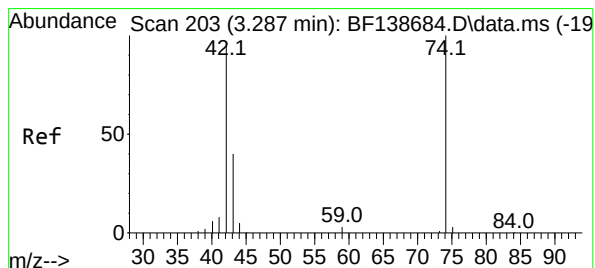
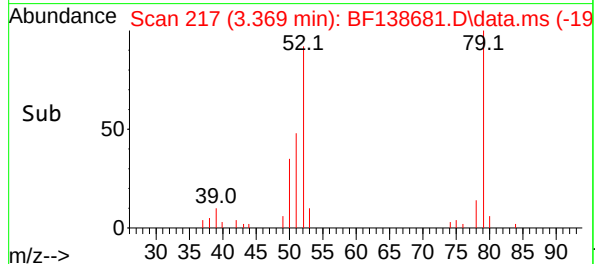
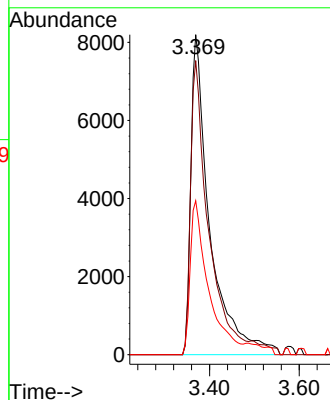
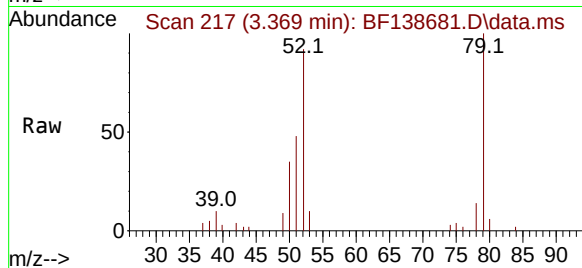
Tgt Ion: 79 Resp: 24069

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

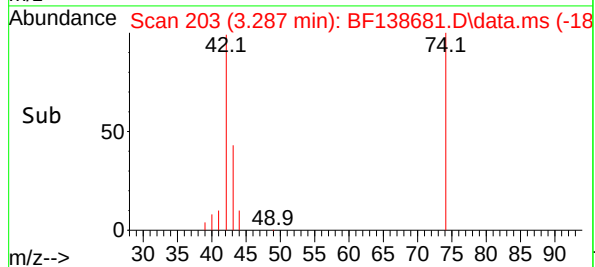
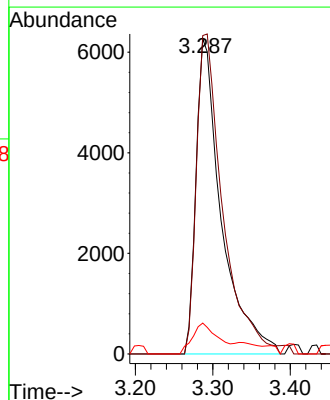
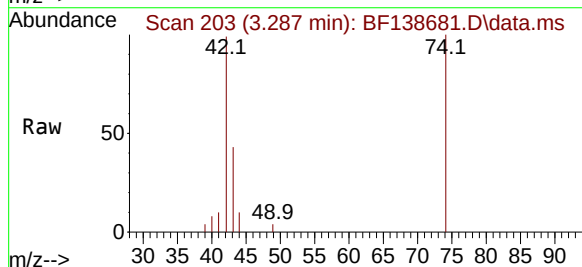
Tgt Ion: 42 Resp: 14249

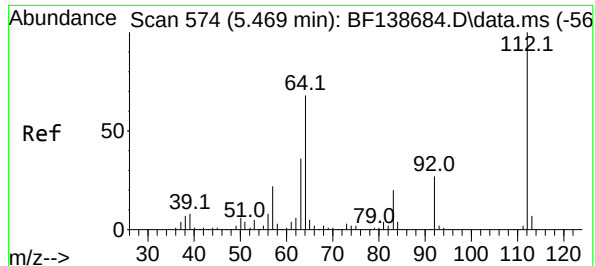
Ion Ratio Lower Upper

42 100

74 101.1 84.2 126.4

44 9.8 4.9 7.3#

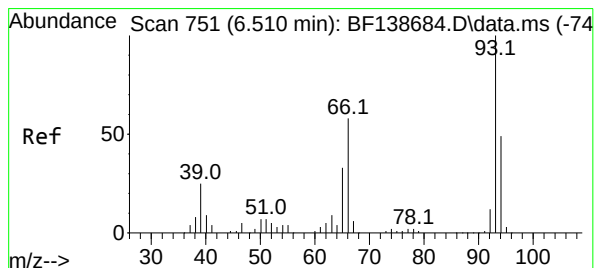
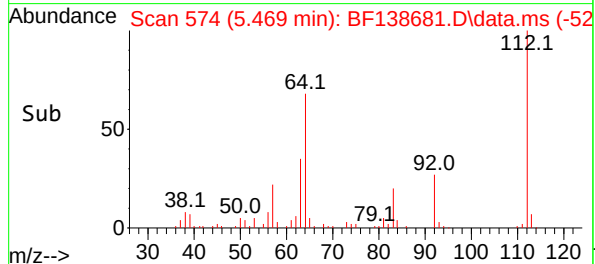
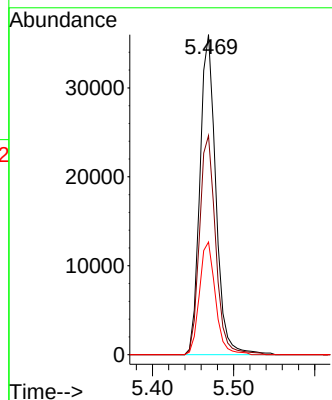
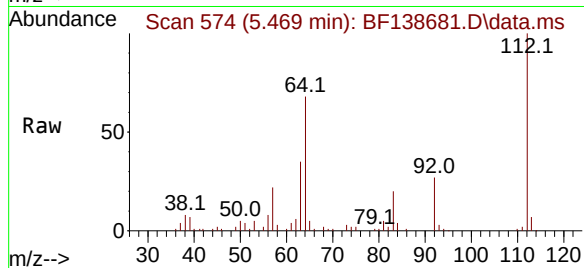




#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

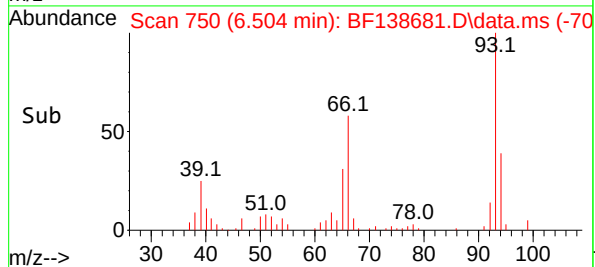
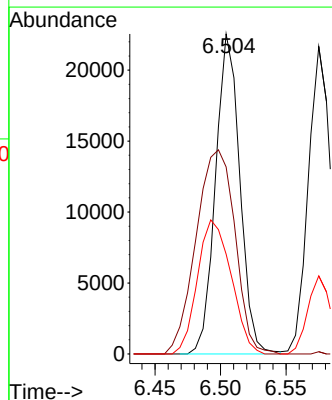
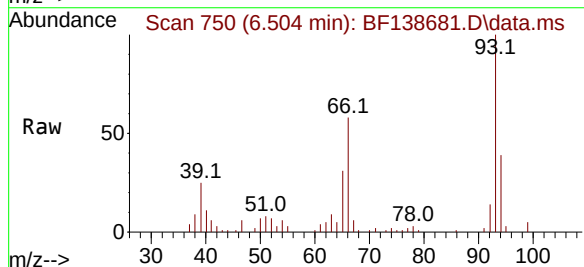
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

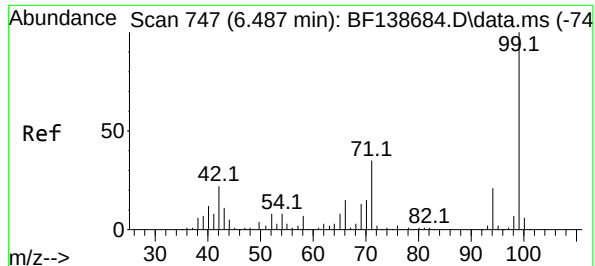
Tgt Ion:112 Resp: 49224
Ion Ratio Lower Upper
112 100
64 68.5 54.2 81.4
63 35.2 28.7 43.1



#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

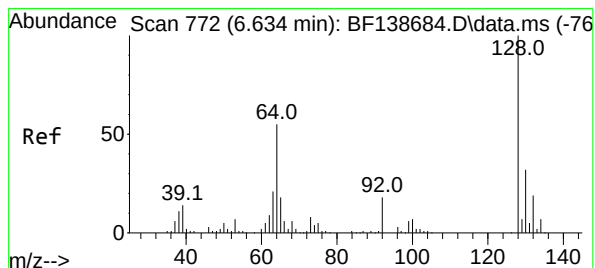
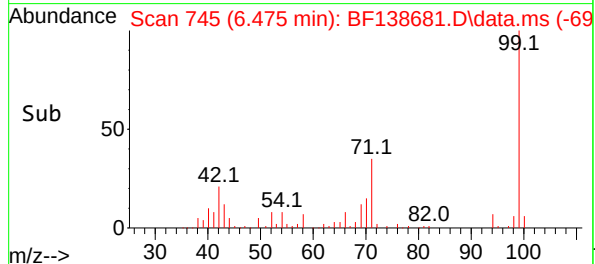
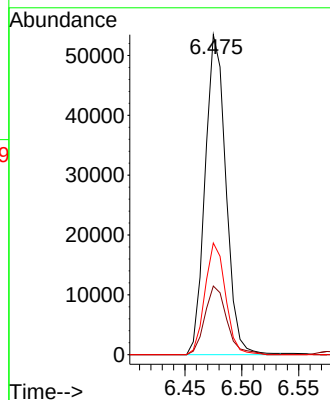
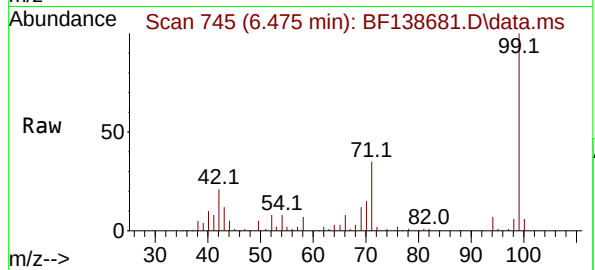




#7
Phenol-d6
Concen: 11.140 ng
RT: 6.475 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

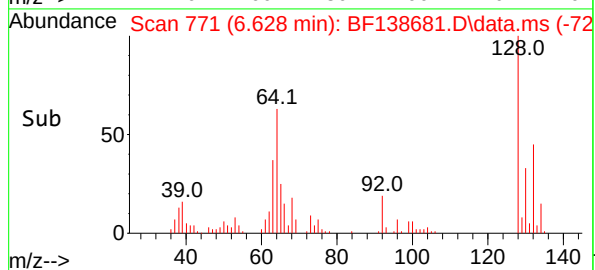
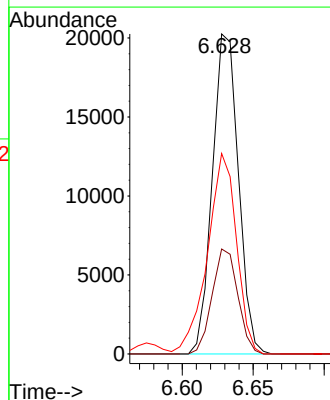
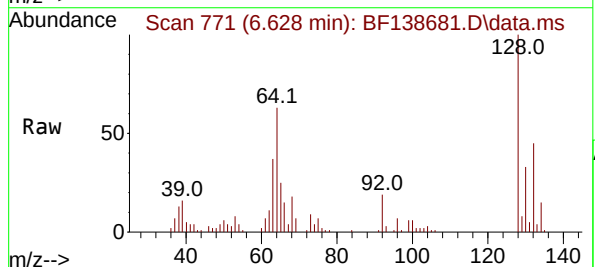
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

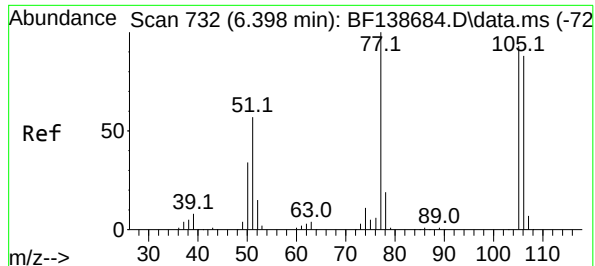
Tgt Ion: 99 Resp: 67958
Ion Ratio Lower Upper
99 100
42 21.4 17.4 26.0
71 34.9 28.1 42.1



#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

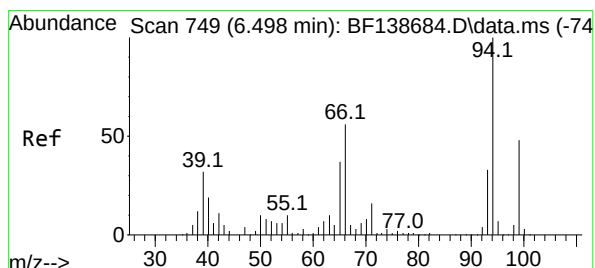
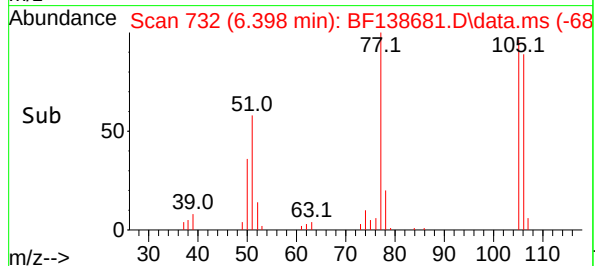
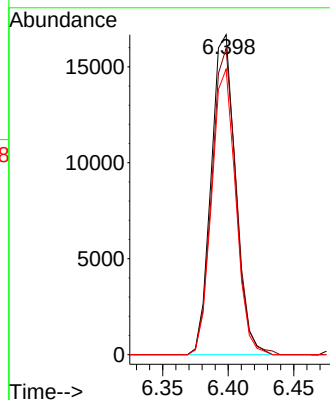
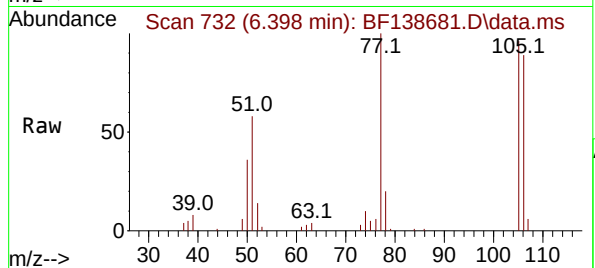
Tgt Ion: 77 Resp: 21562

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

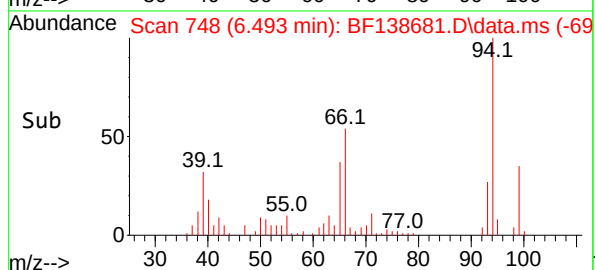
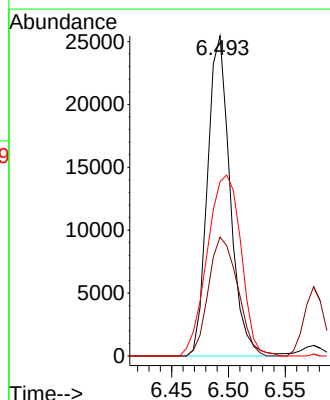
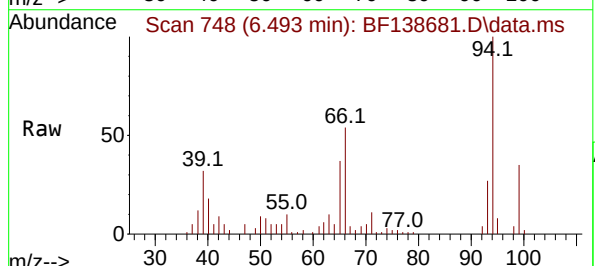
Tgt Ion: 94 Resp: 35277

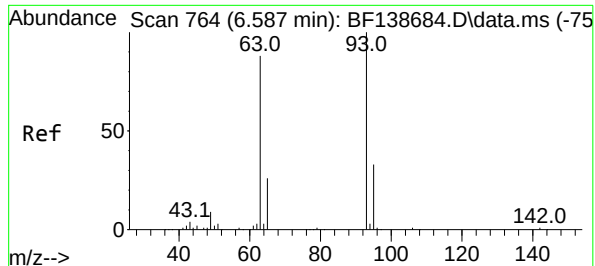
Ion Ratio Lower Upper

94 100

65 37.2 16.9 56.9

66 54.5 36.5 76.5

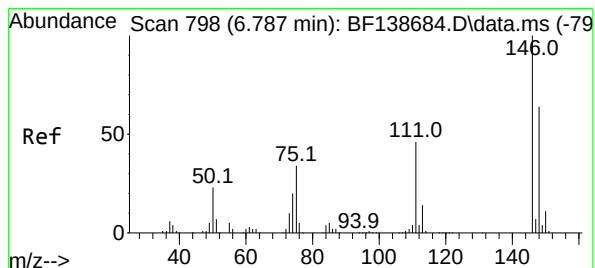
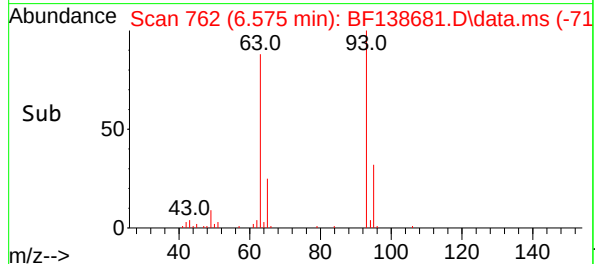
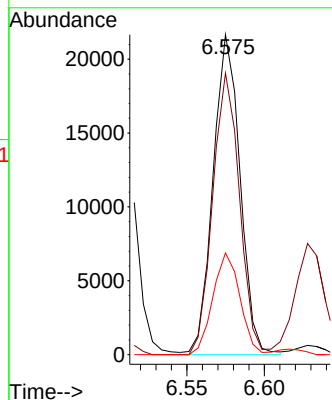
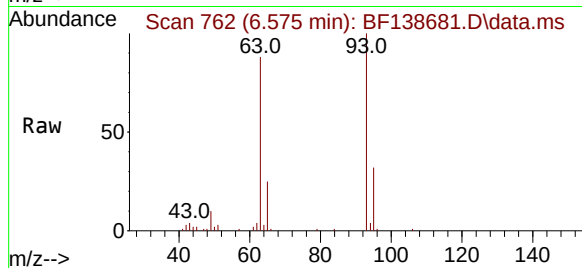




#11
bis(2-Chloroethyl)ether
Concen: 5.302 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

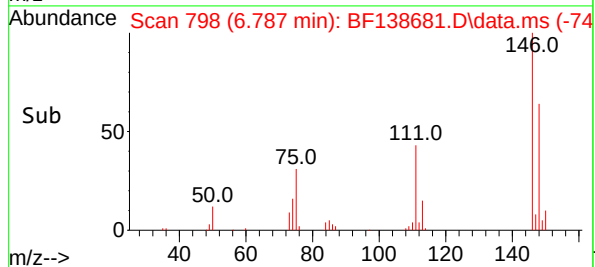
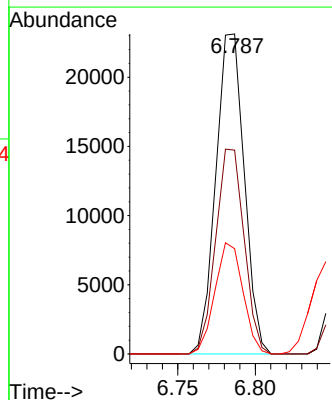
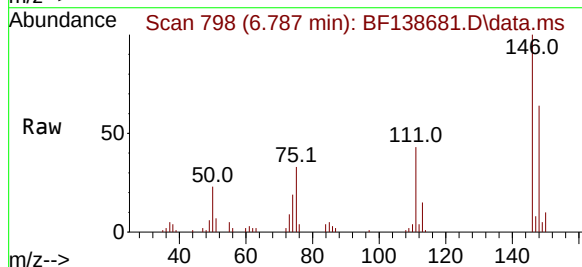
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

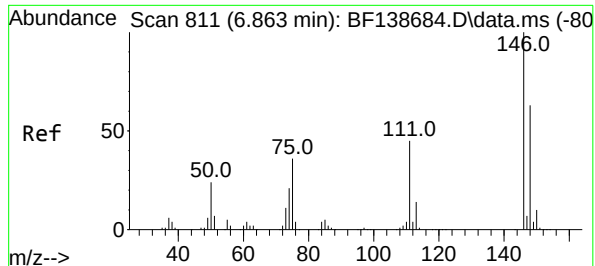
Tgt Ion: 93 Resp: 26204
Ion Ratio Lower Upper
93 100
63 88.0 65.3 105.3
95 31.8 12.4 52.4



#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

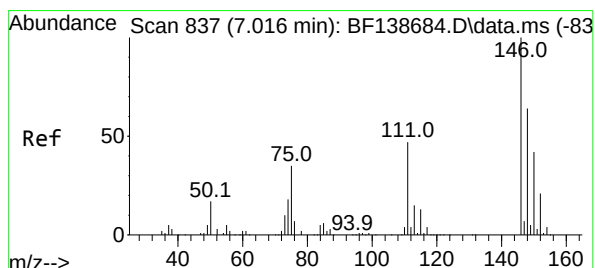
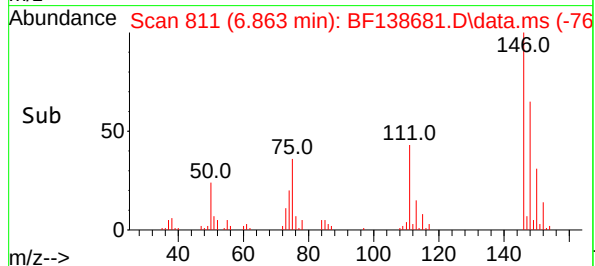
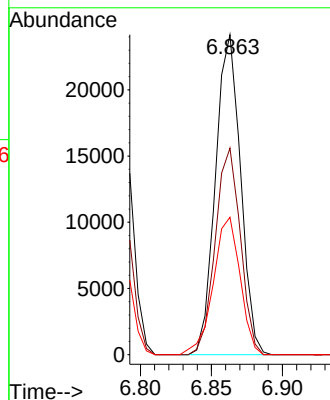
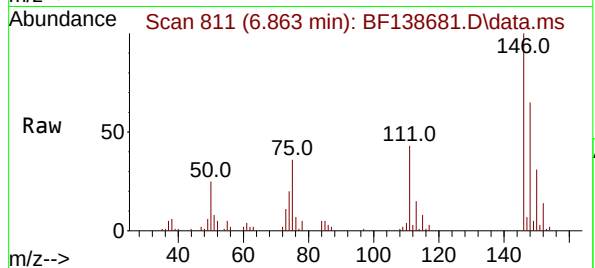
Tgt Ion:146 Resp: 29620

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

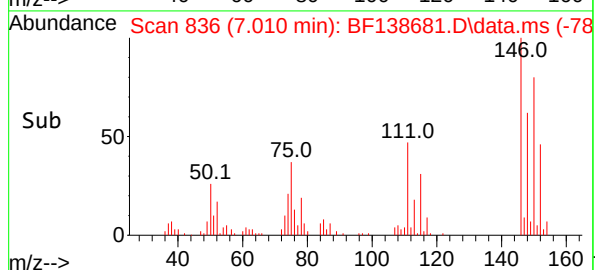
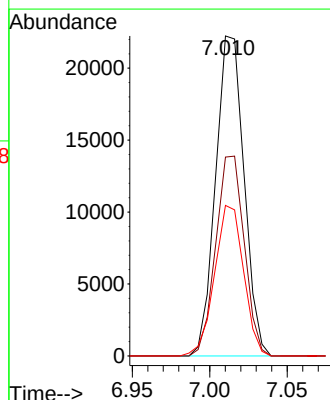
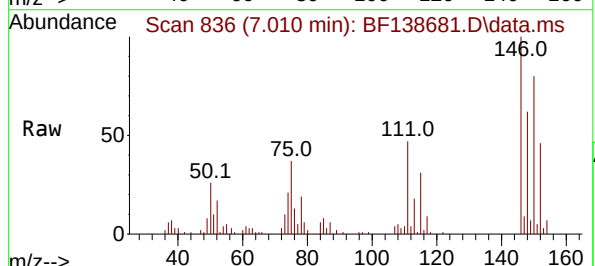
Tgt Ion:146 Resp: 28415

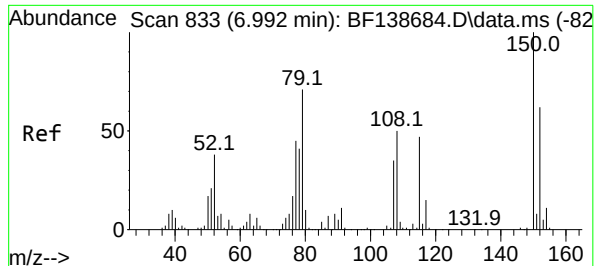
Ion Ratio Lower Upper

146 100

148 62.1 50.8 76.2

111 47.0 37.4 56.2

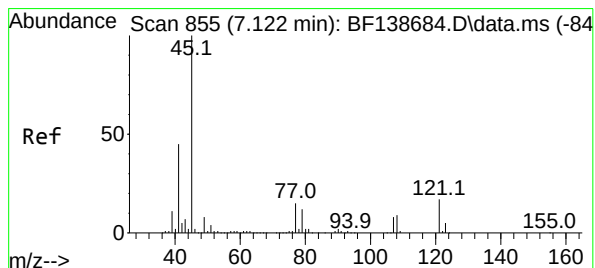
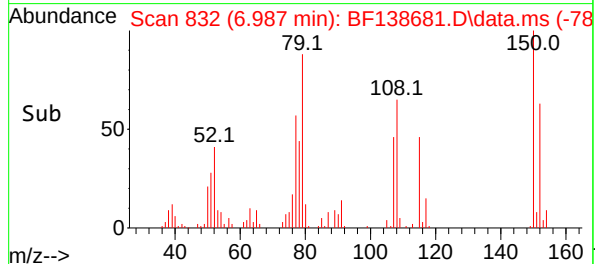
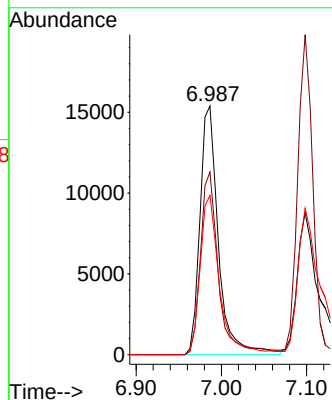
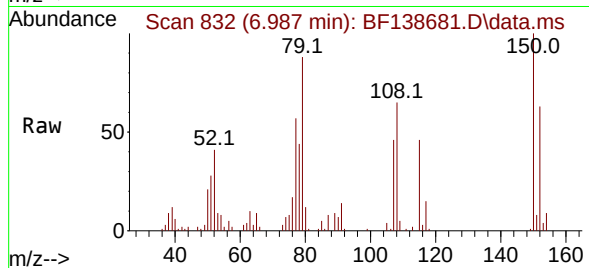




#15
Benzyl Alcohol
Concen: 5.287 ng
RT: 6.987 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

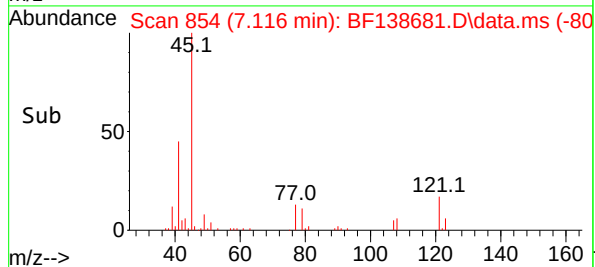
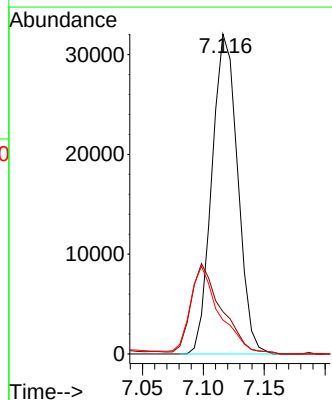
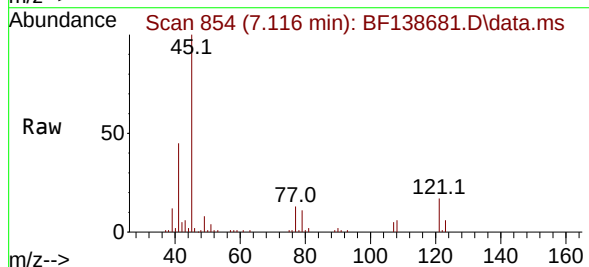
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

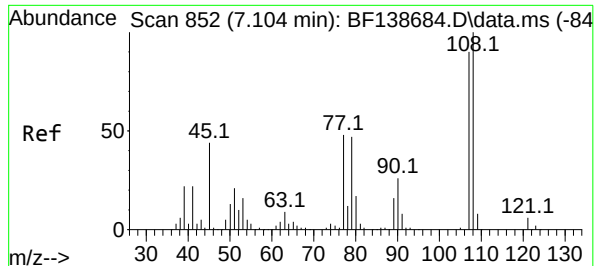
Tgt Ion: 79 Resp: 23244
Ion Ratio Lower Upper
79 100
108 73.5 56.6 85.0
77 64.0 50.3 75.5



#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

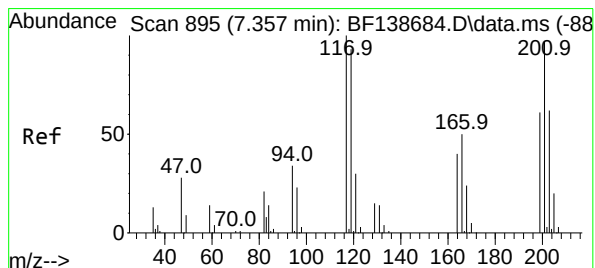
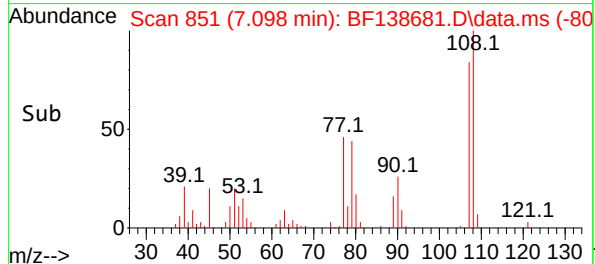
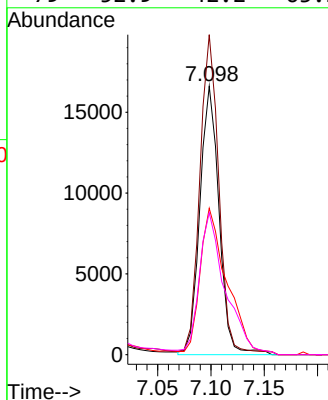
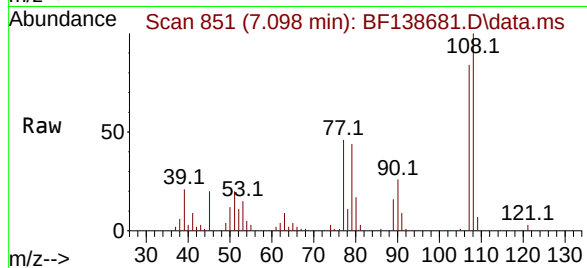




#17
2-Methylphenol
Concen: 5.293 ng
RT: 7.098 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

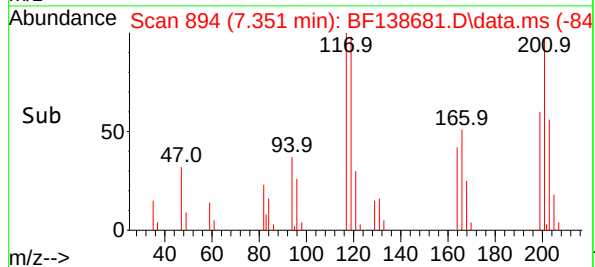
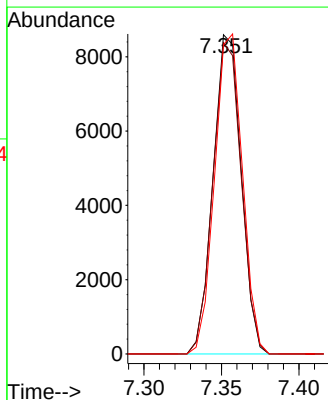
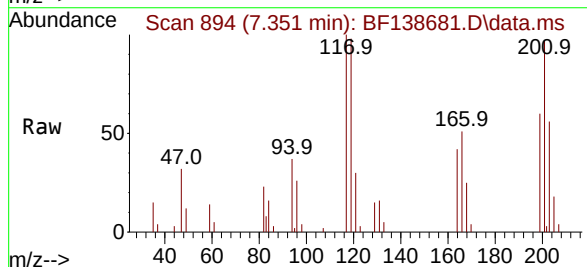
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

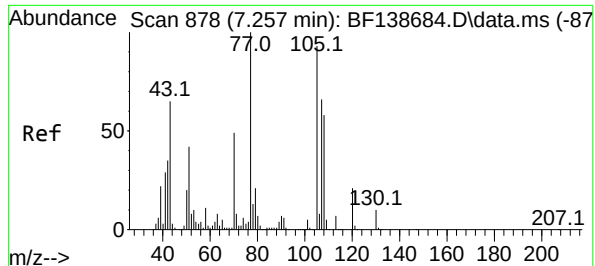
Tgt Ion:	107	Resp:	20893
Ion	Ratio	Lower	Upper
107	100		
108	119.2	89.2	133.8
77	54.5	43.0	64.4
79	52.9	42.2	63.2



#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

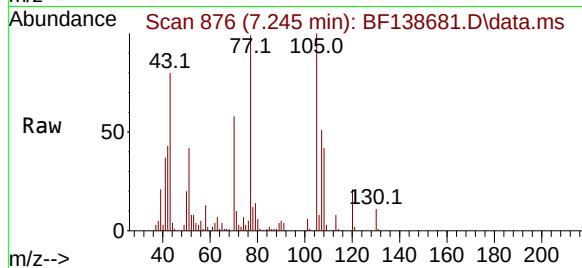
Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

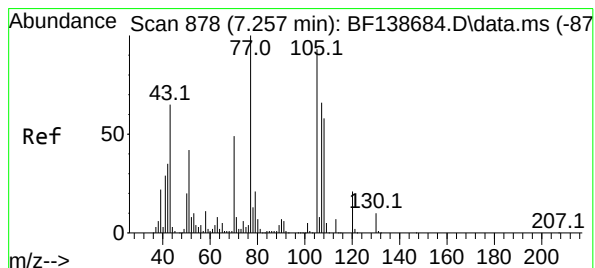
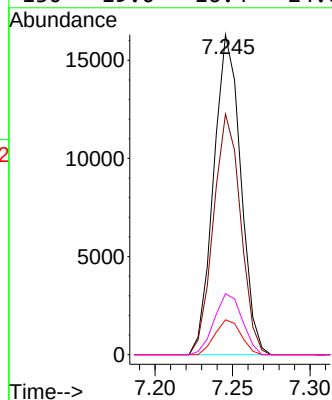
ClientSampleId :

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

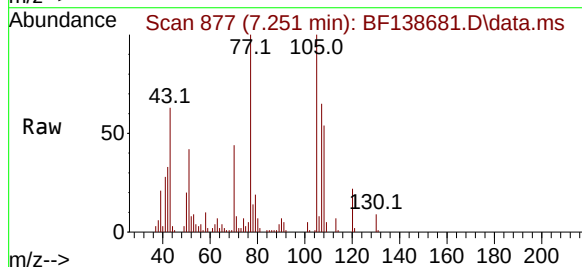
Concen: 5.750 ng

RT: 7.251 min Scan# 877

Delta R.T. -0.006 min

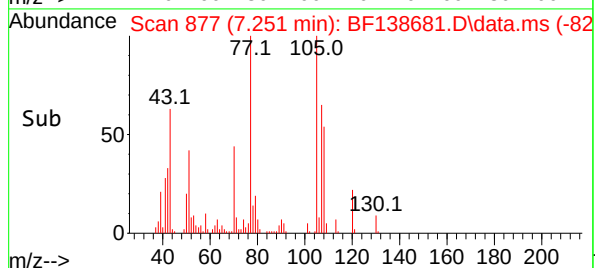
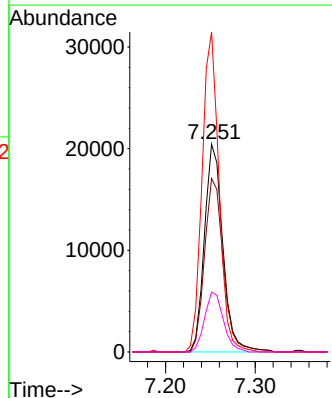
Lab File: BF138681.D

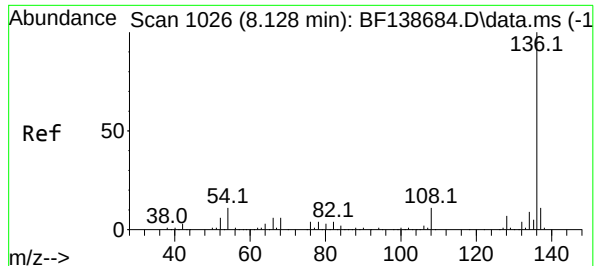
Acq: 30 Jul 2024 13:25



Tgt Ion: 107 Resp: 29122

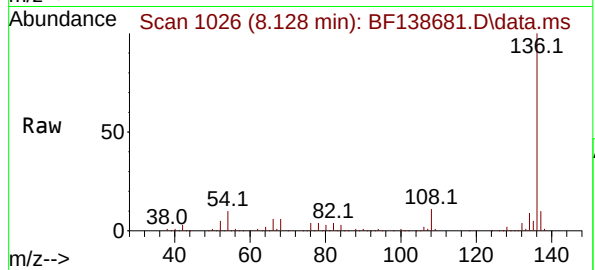
Ion	Ratio	Lower	Upper
107	100		
108	83.5	68.2	108.2
77	154.0	132.1	172.1
79	28.8	11.5	51.5





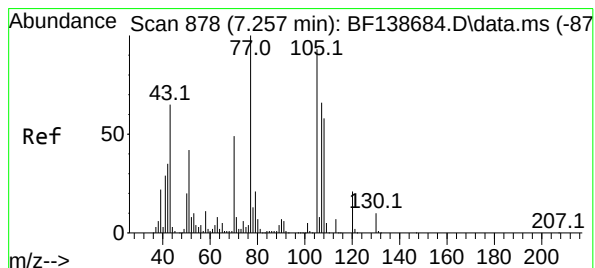
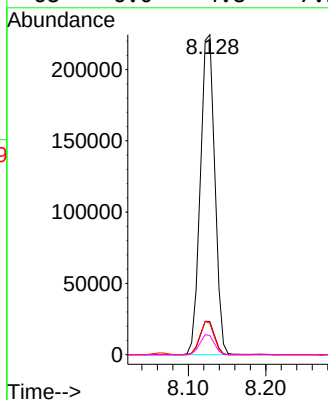
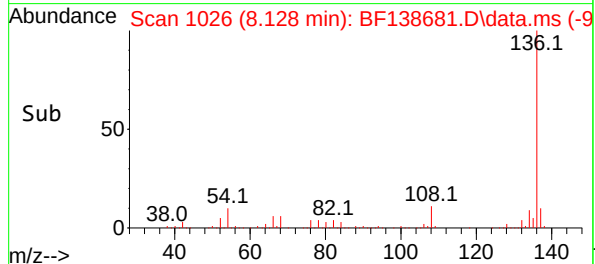
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

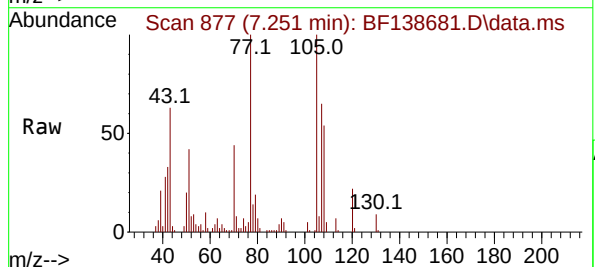


Tgt Ion:136 Resp: 290994

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

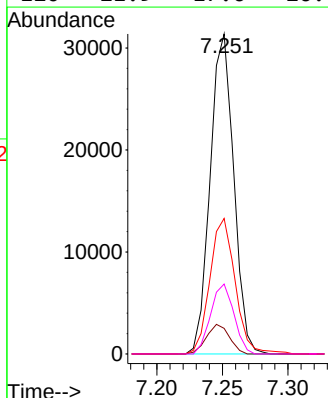
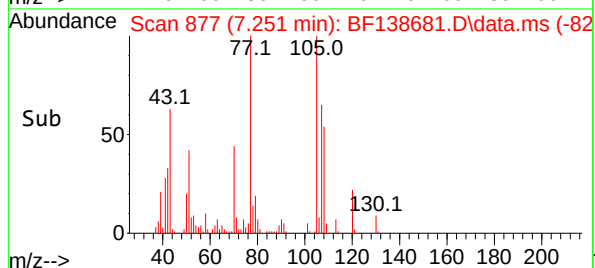


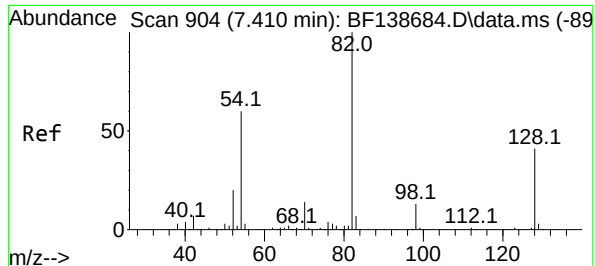
#22
Acetophenone
Concen: 5.496 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25



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

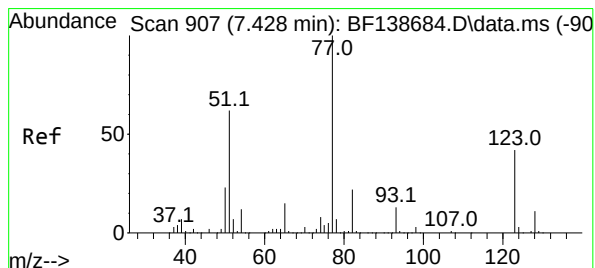
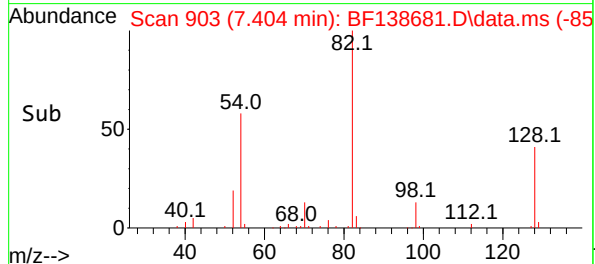
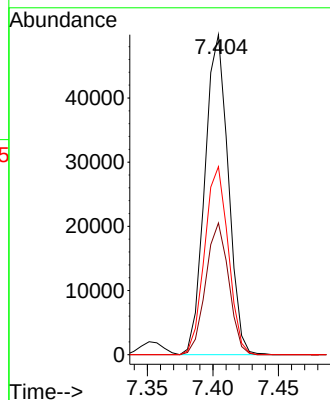
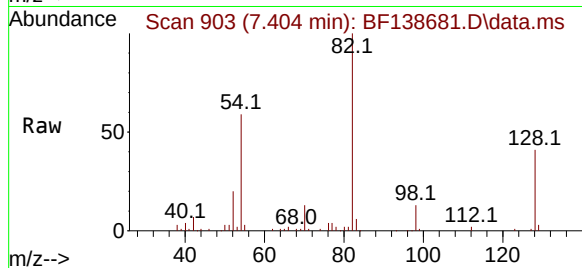
Tgt Ion: 82 Resp: 61942

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

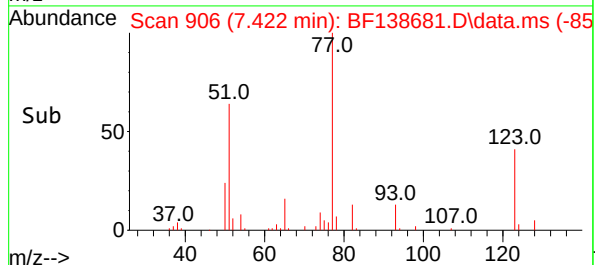
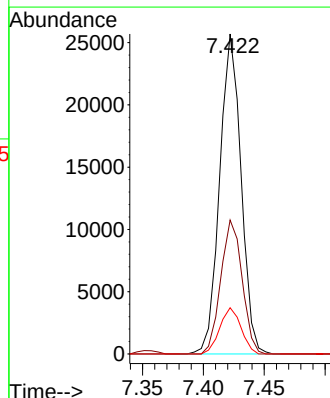
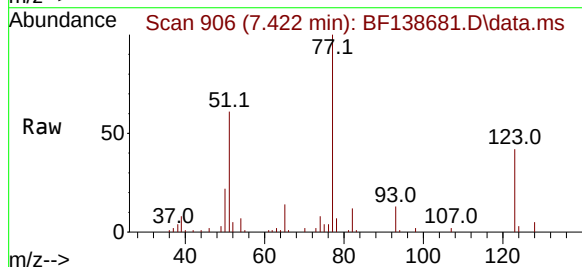
Tgt Ion: 77 Resp: 31388

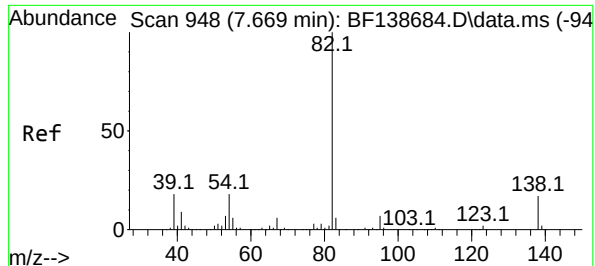
Ion Ratio Lower Upper

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 :

SSTDICC005

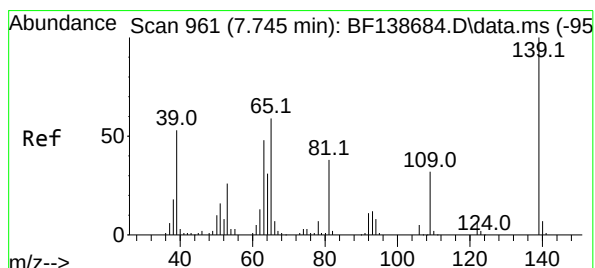
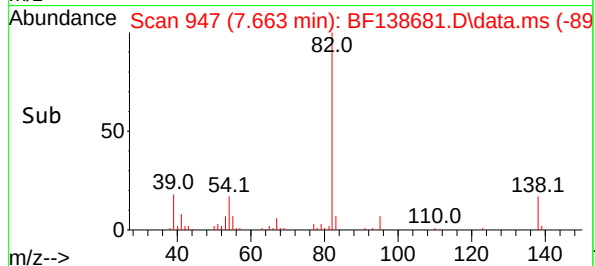
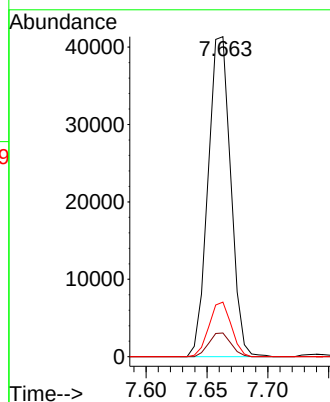
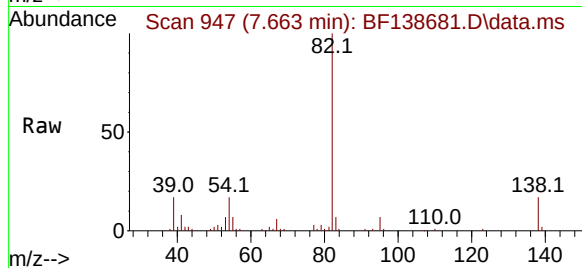
Tgt Ion: 82 Resp: 53456

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

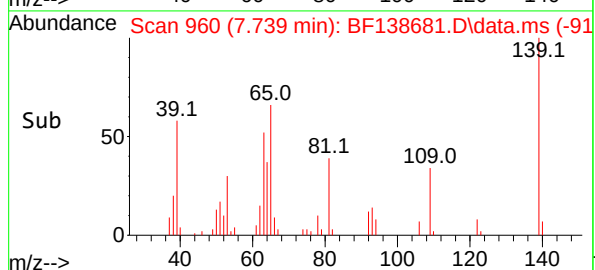
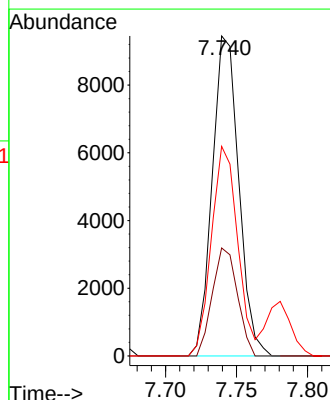
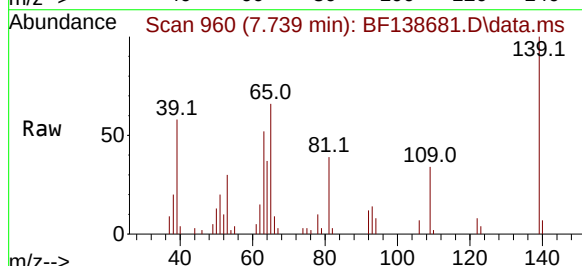
Tgt Ion:139 Resp: 12268

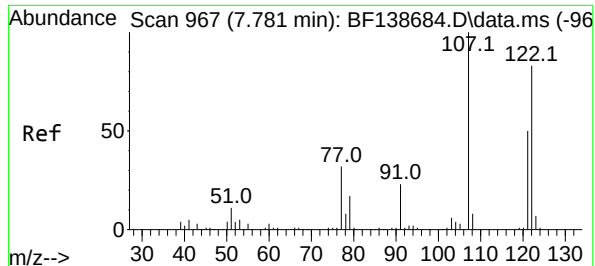
Ion Ratio Lower Upper

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

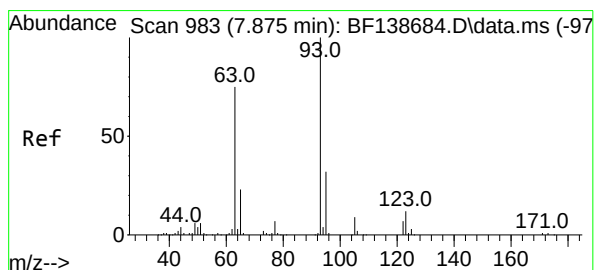
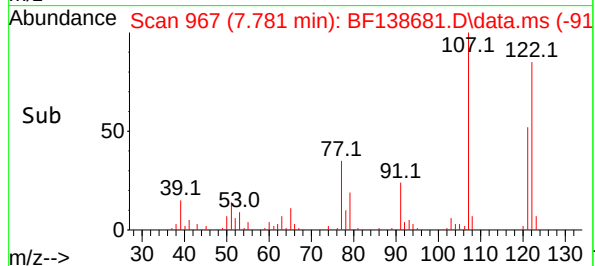
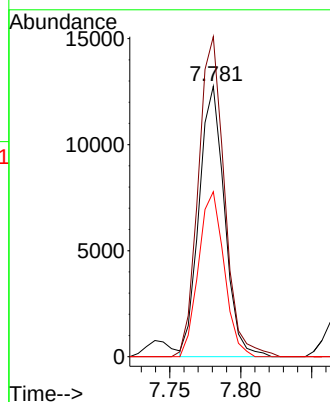
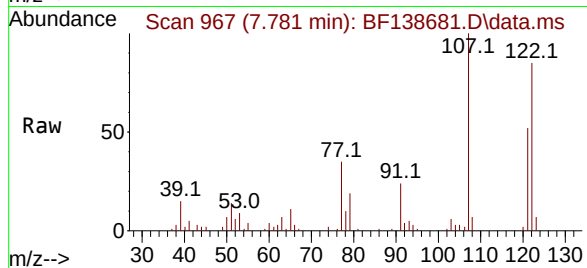
Tgt Ion:122 Resp: 15906

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

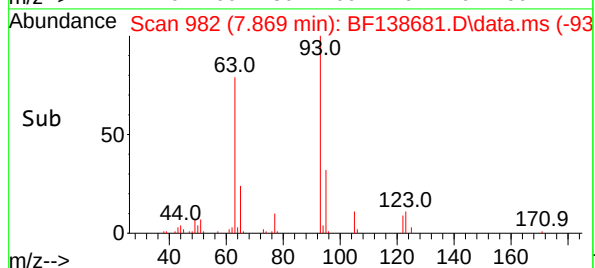
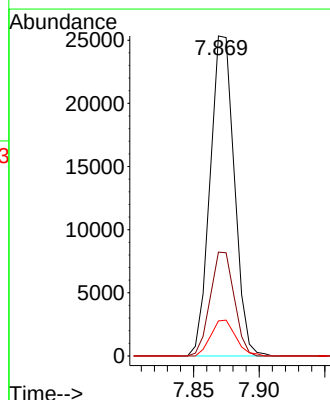
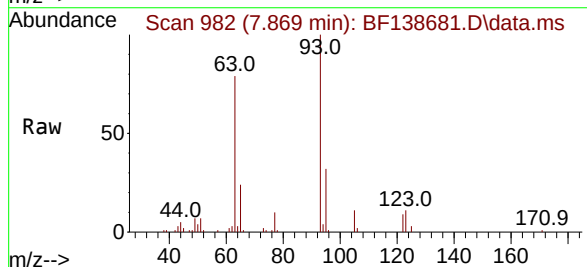
Tgt Ion: 93 Resp: 32570

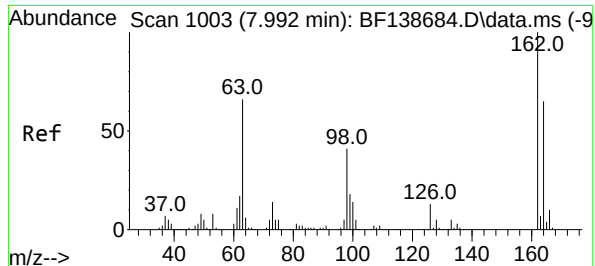
Ion Ratio Lower Upper

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 :

SSTDIC005

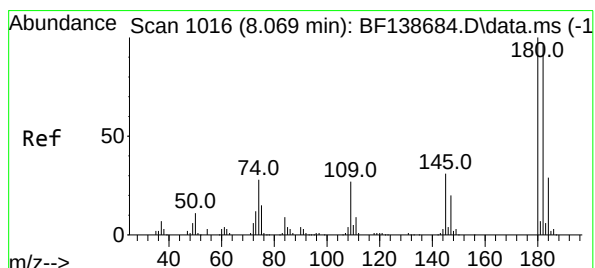
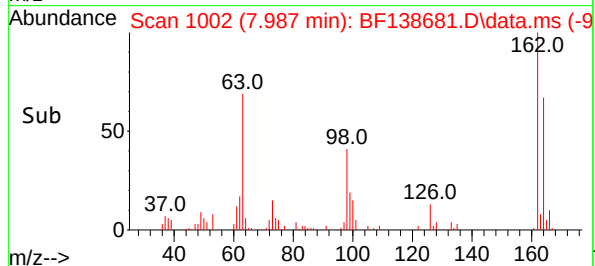
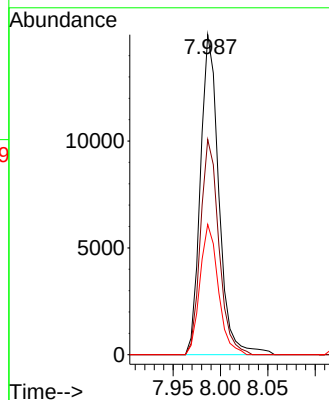
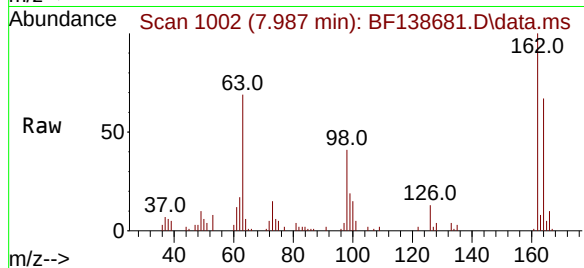
Tgt Ion:162 Resp: 20263

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

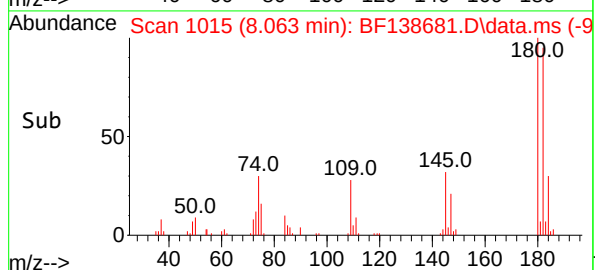
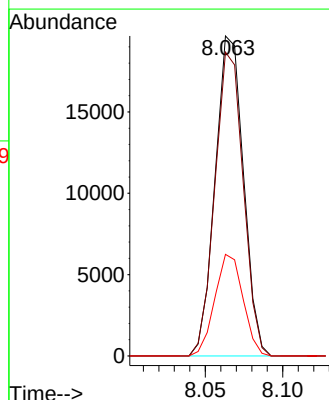
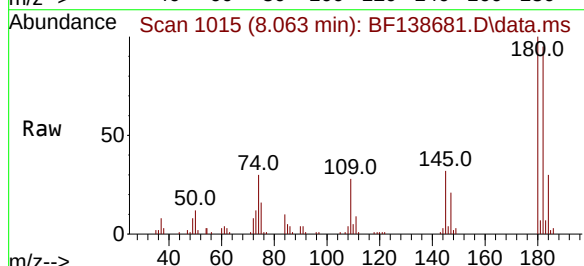
Tgt Ion:180 Resp: 25030

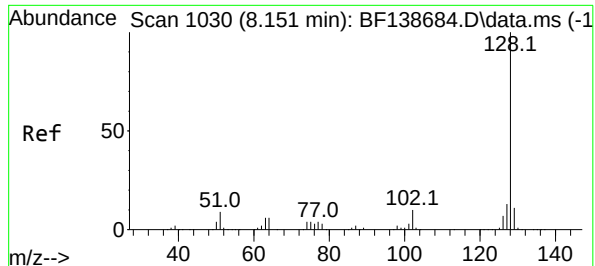
Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

145 31.7 25.0 37.4

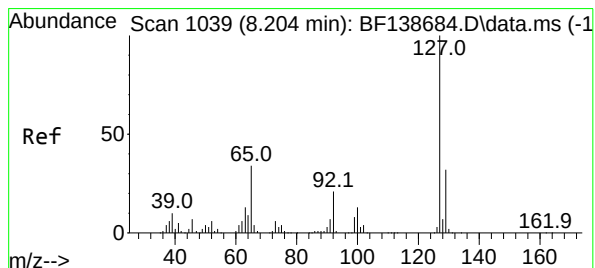
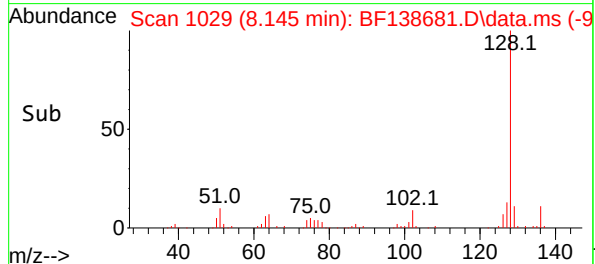
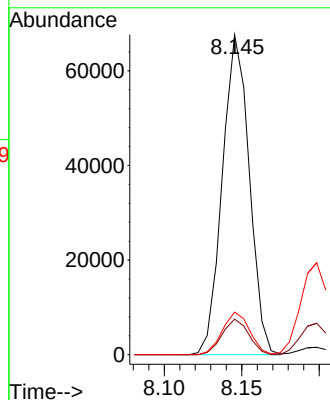
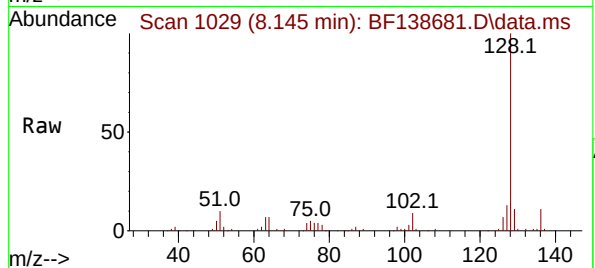




#31
Naphthalene
Concen: 5.338 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

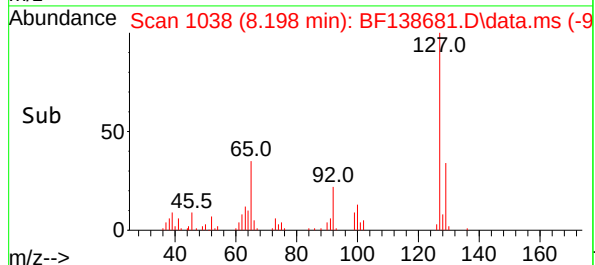
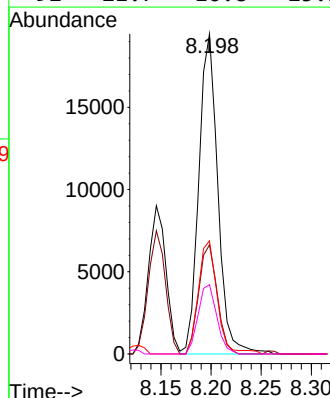
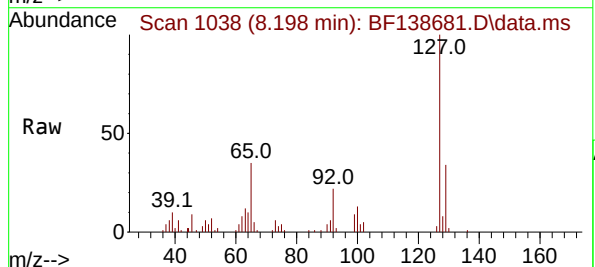
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

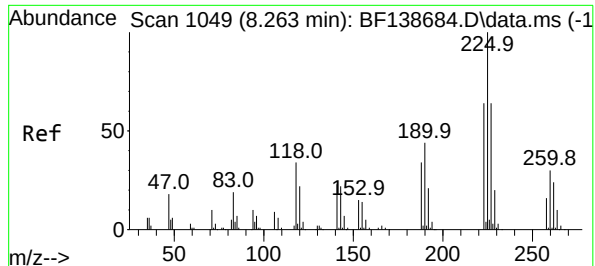
Tgt Ion:128 Resp: 81757
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.3 10.6 16.0



#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

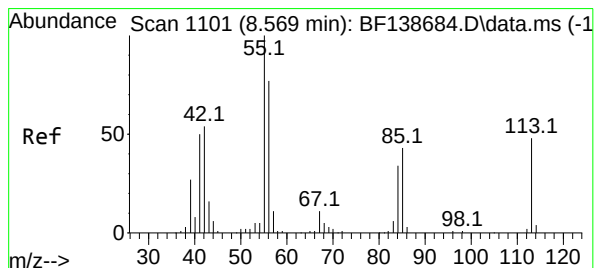
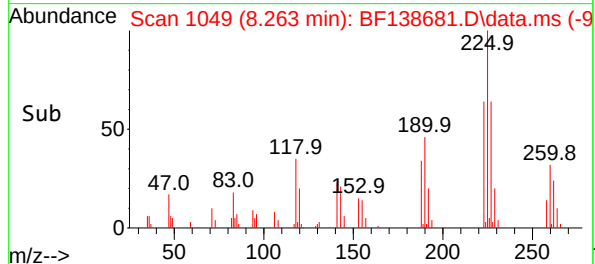
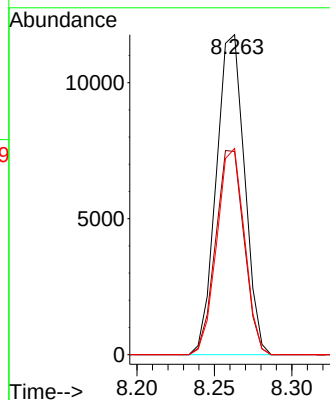
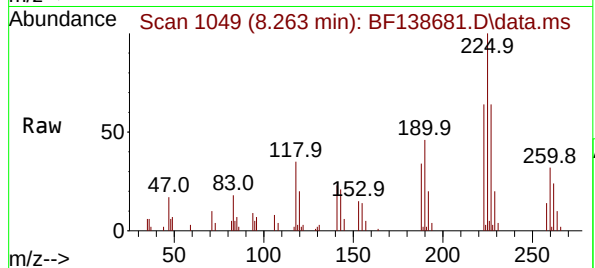




#34
Hexachlorobutadiene
Concen: 5.337 ng
RT: 8.263 min Scan# 1094
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

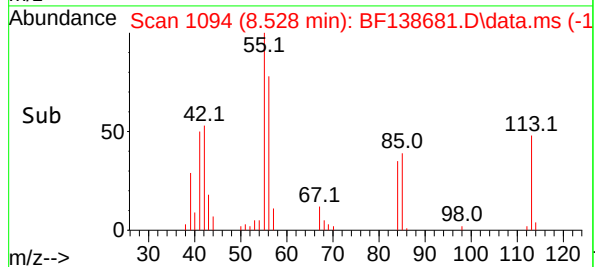
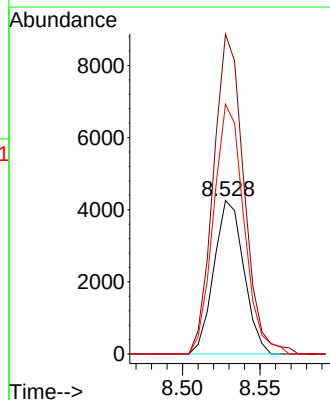
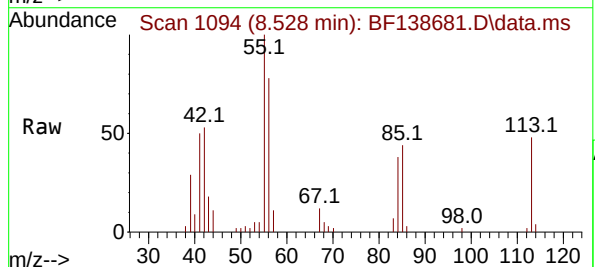
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

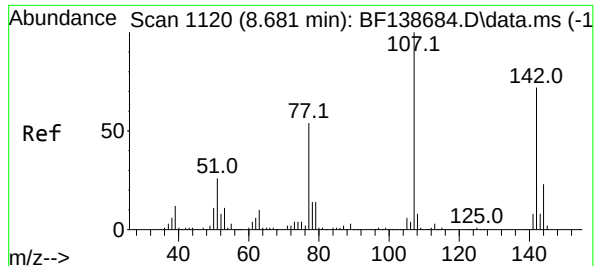
Tgt Ion:225 Resp: 14945
Ion Ratio Lower Upper
225 100
223 63.5 51.2 76.8
227 64.4 51.1 76.7



#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

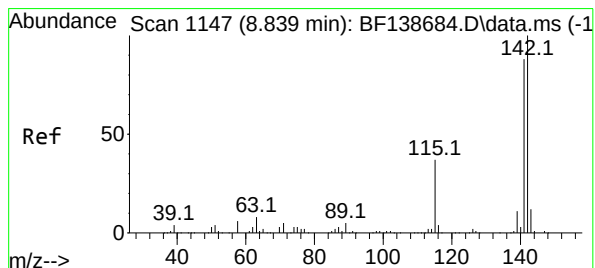
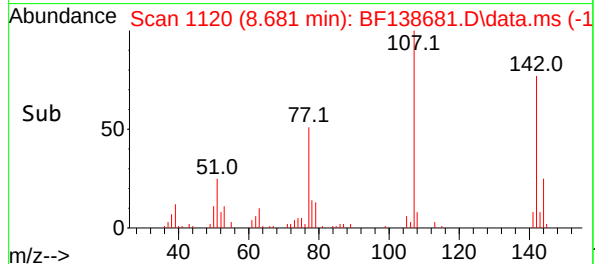
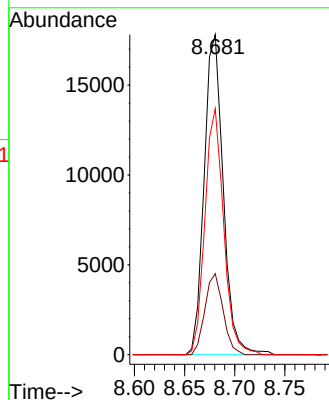
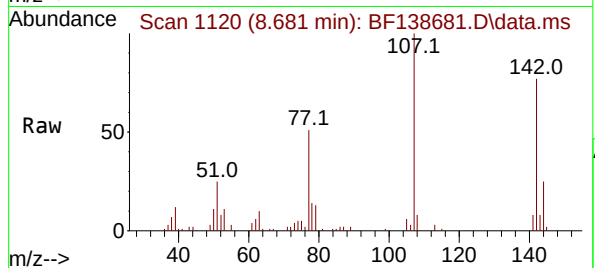
Tgt Ion:107 Resp: 23684

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

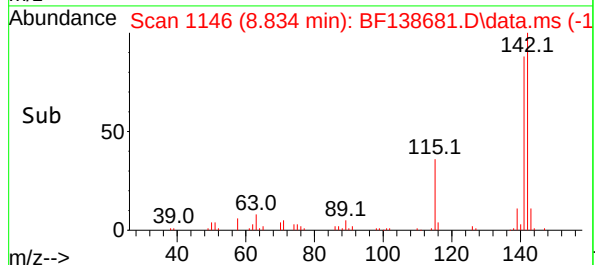
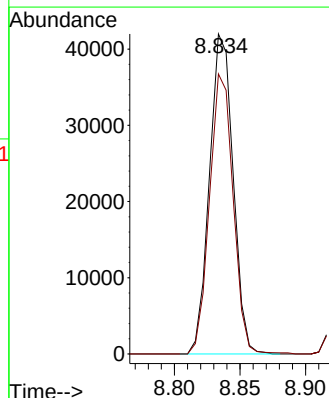
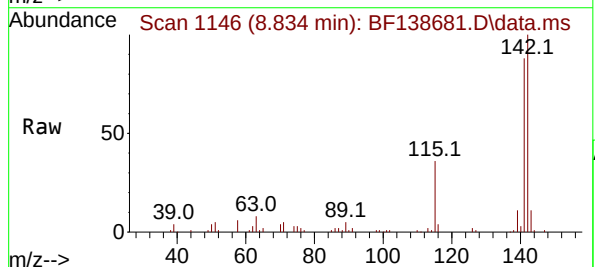
Acq: 30 Jul 2024 13:25

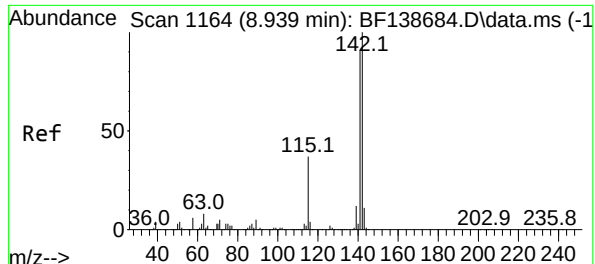
Tgt Ion:142 Resp: 52614

Ion Ratio Lower Upper

142 100

141 87.5 70.8 106.2

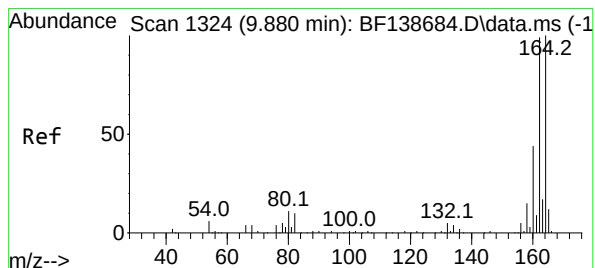
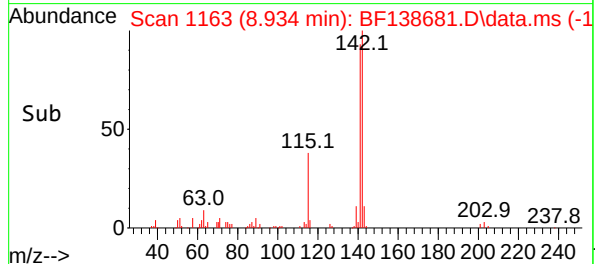
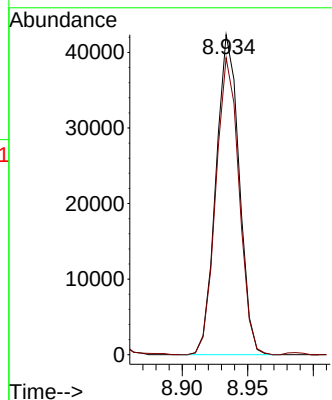
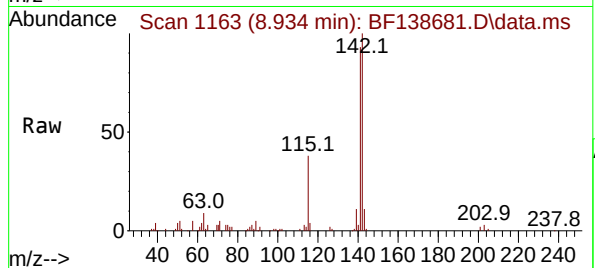




#38
1-Methylnaphthalene
Concen: 5.470 ng
RT: 8.934 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

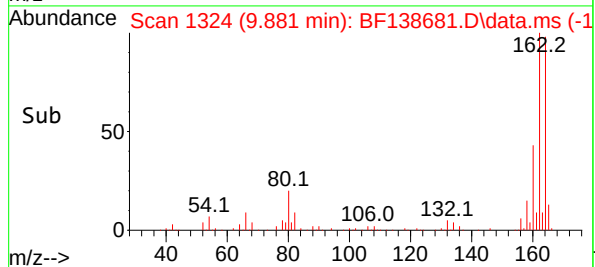
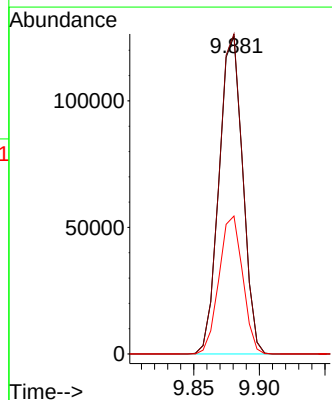
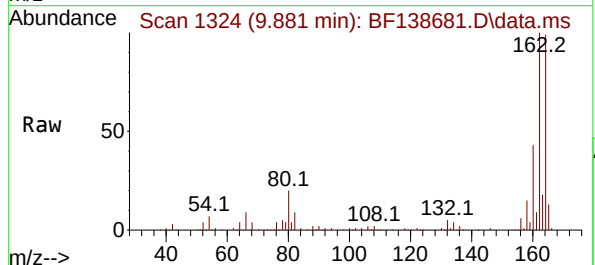
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

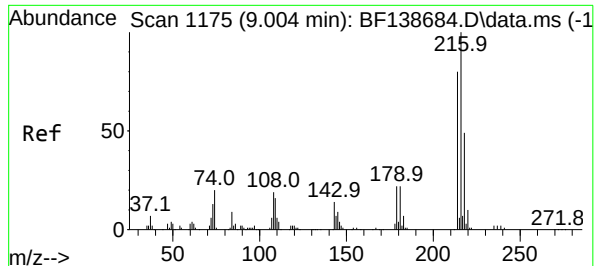
Tgt Ion:142 Resp: 51855
Ion Ratio Lower Upper
142 100
141 92.8 73.1 109.7



#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

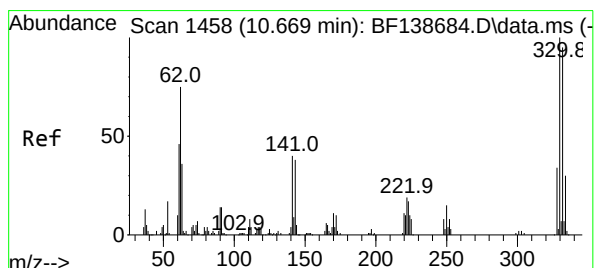
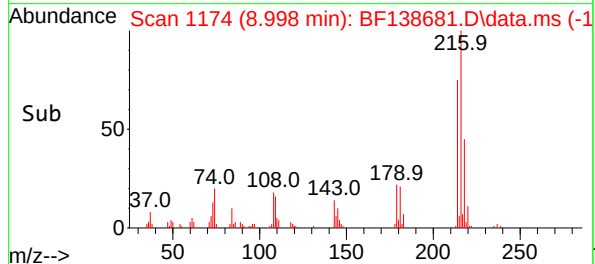
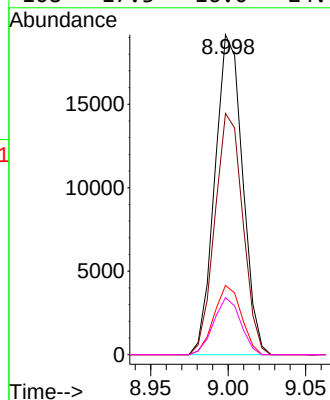
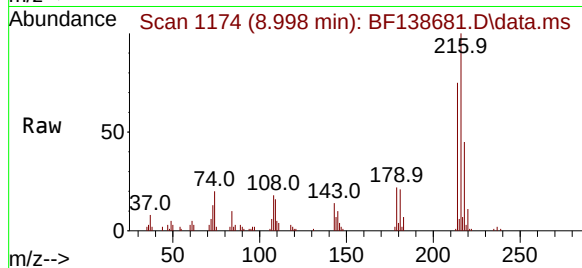
Ion Ratio Lower Upper

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

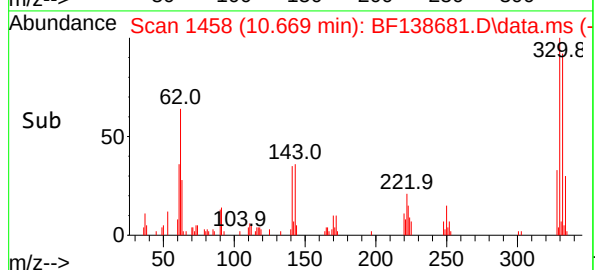
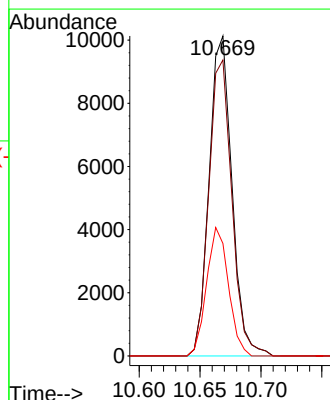
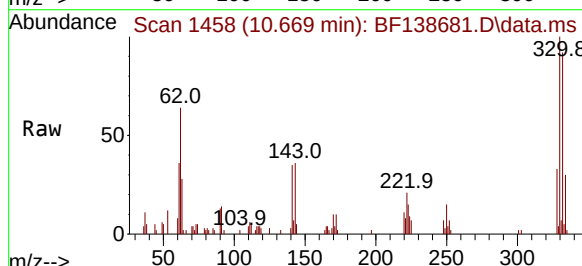
Tgt Ion:330 Resp: 13218

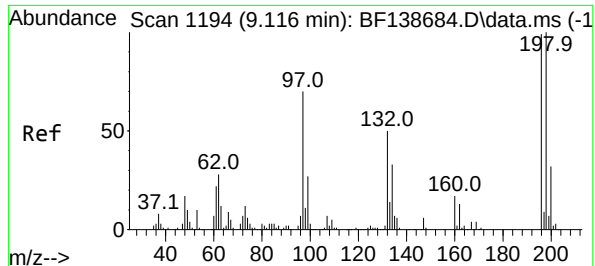
Ion Ratio Lower Upper

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

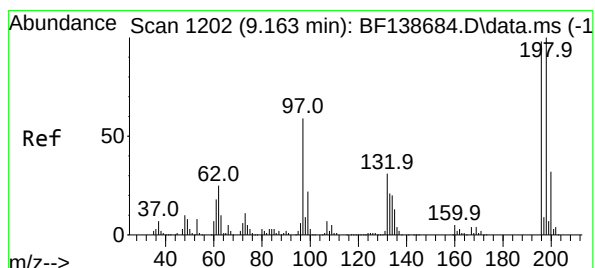
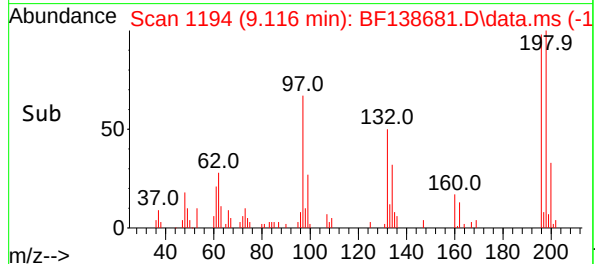
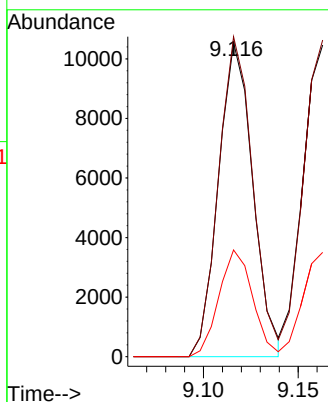
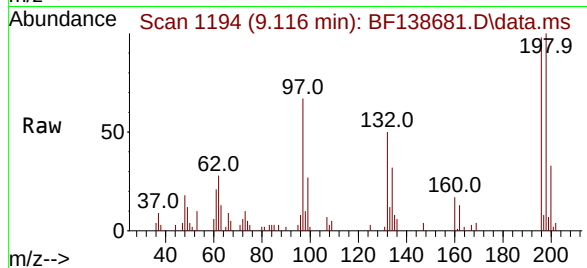
Tgt Ion:196 Resp: 13303

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

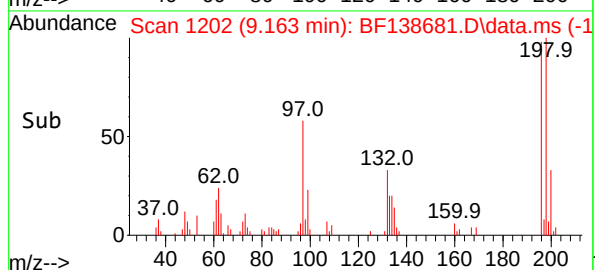
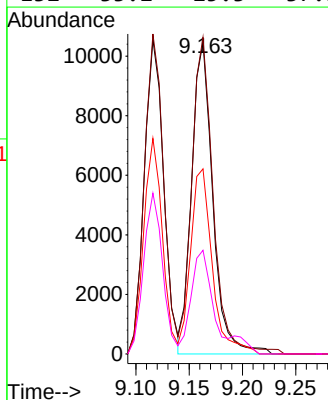
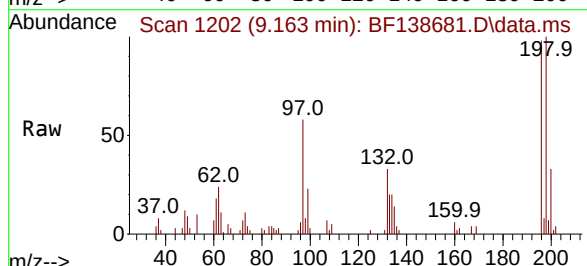
Ion Ratio Lower Upper

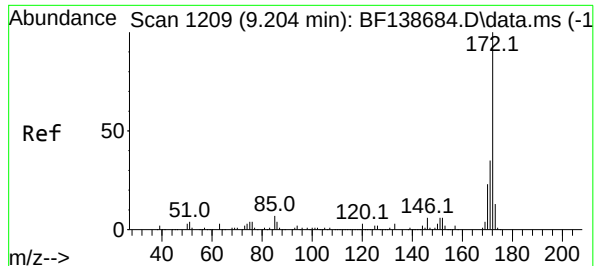
196 100

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

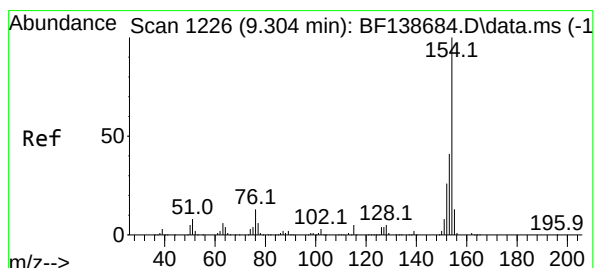
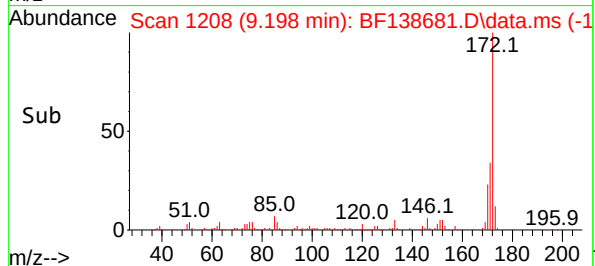
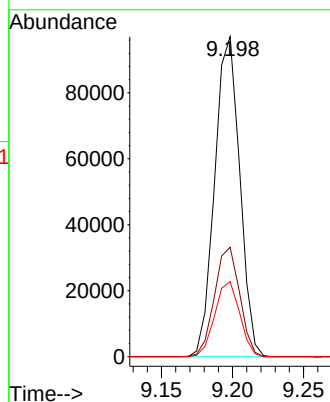
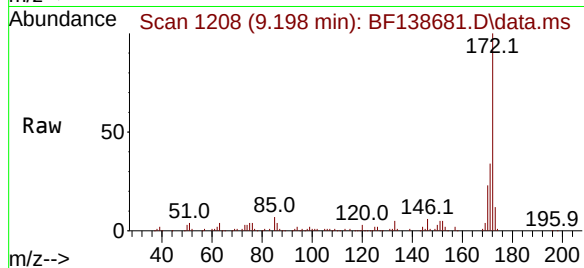
Tgt Ion:172 Resp: 118878

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

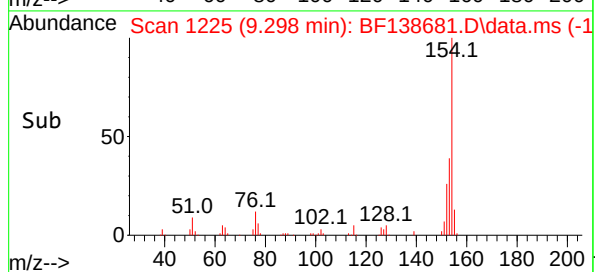
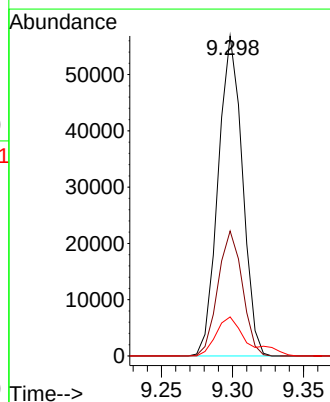
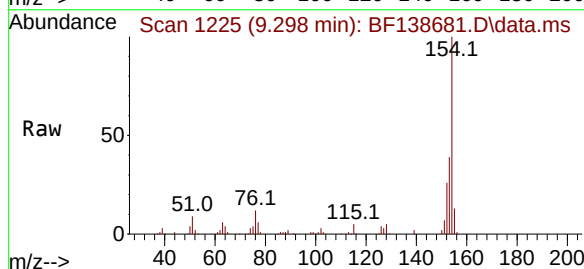
Tgt Ion:154 Resp: 67394

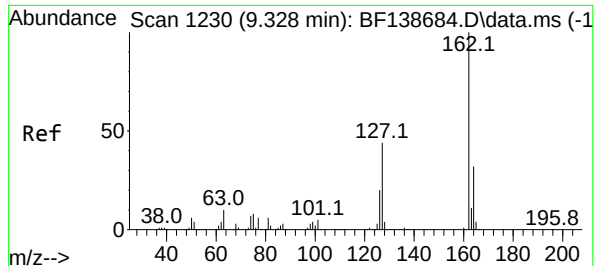
Ion Ratio Lower Upper

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

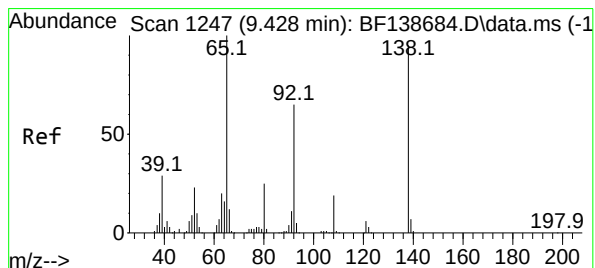
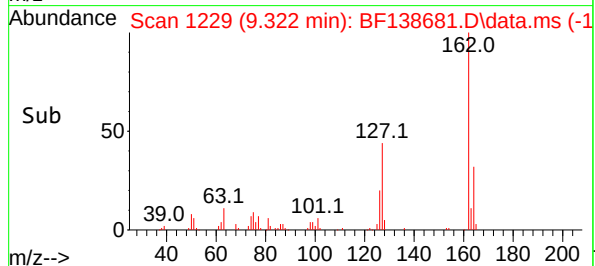
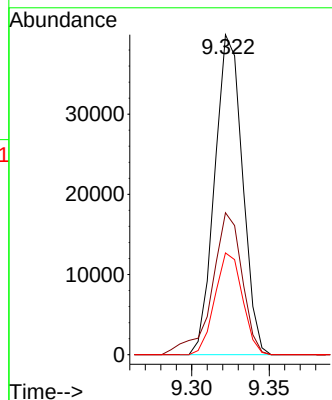
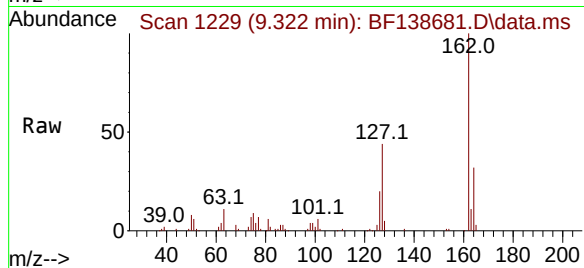
Tgt Ion:162 Resp: 49660

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

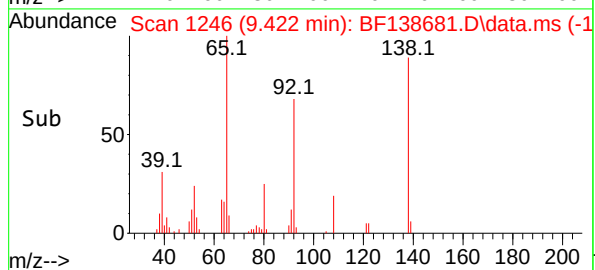
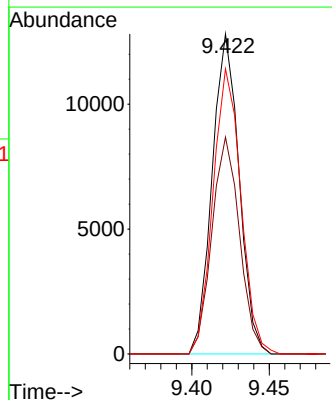
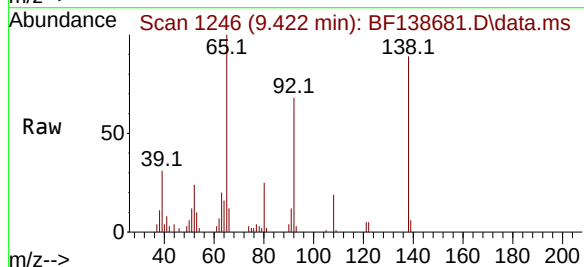
Tgt Ion: 65 Resp: 15473

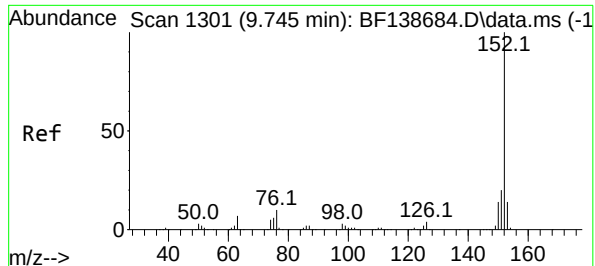
Ion Ratio Lower Upper

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

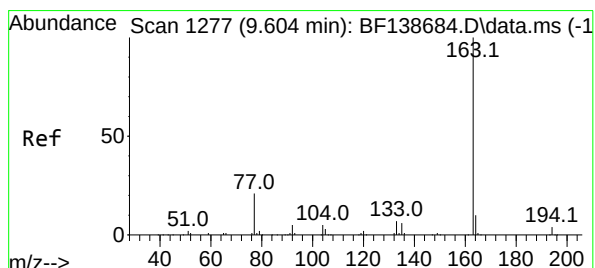
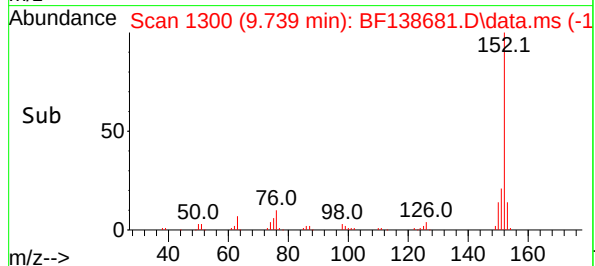
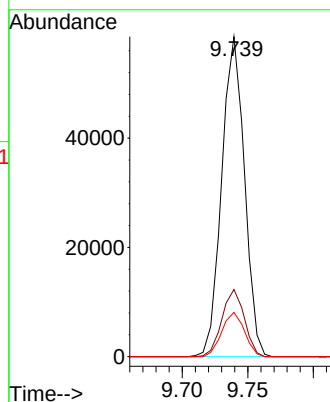
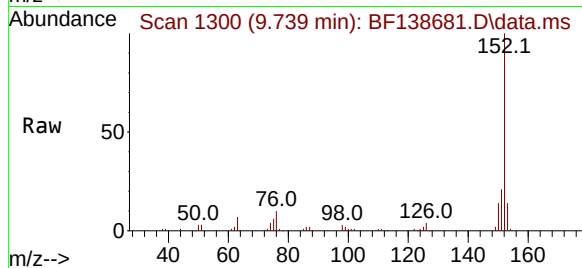
Tgt Ion:152 Resp: 70622

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

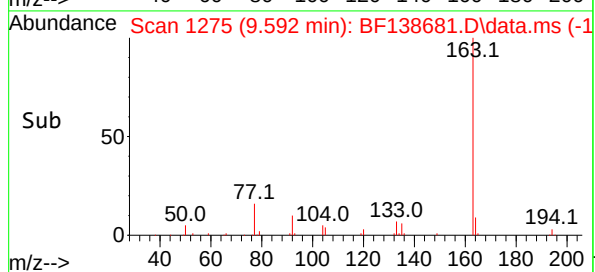
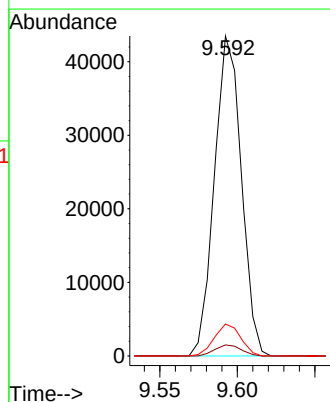
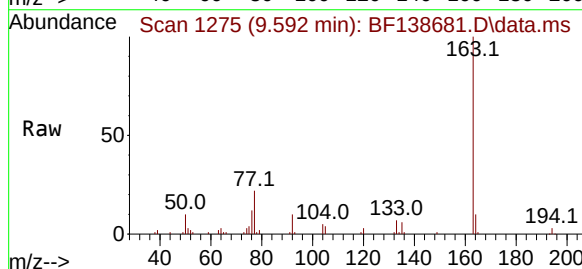
Tgt Ion:163 Resp: 52521

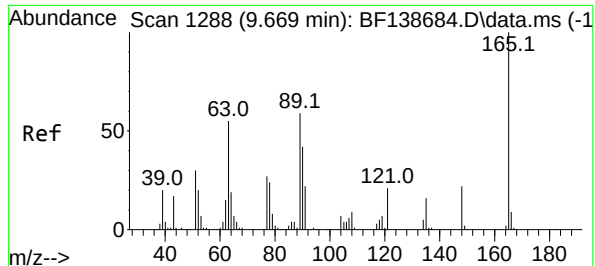
Ion Ratio Lower Upper

163 100

194 3.4 3.1 4.7

164 10.0 7.8 11.8

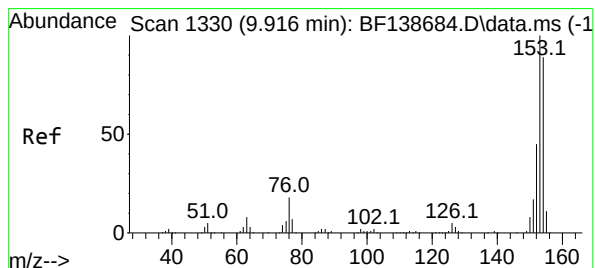
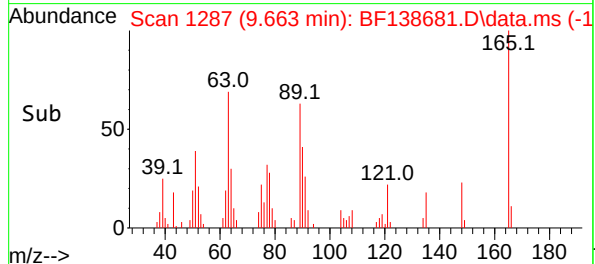
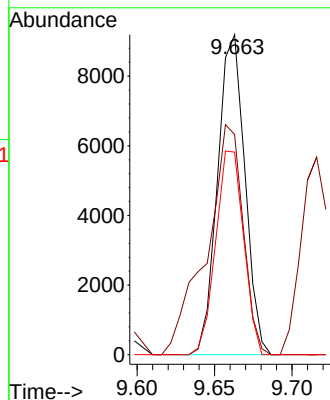
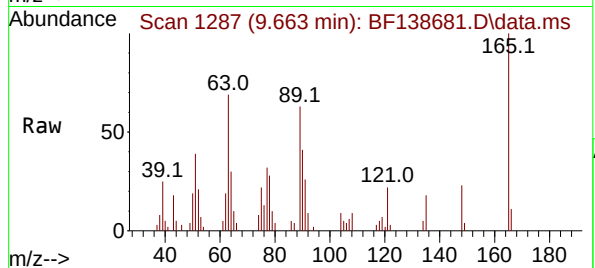




#51
2,6-Dinitrotoluene
Concen: 4.963 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

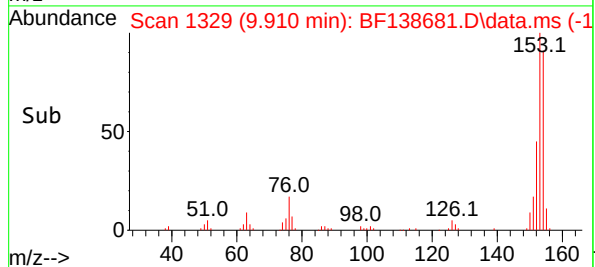
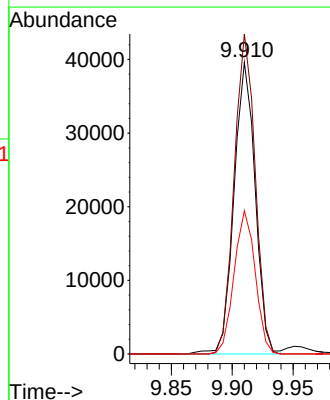
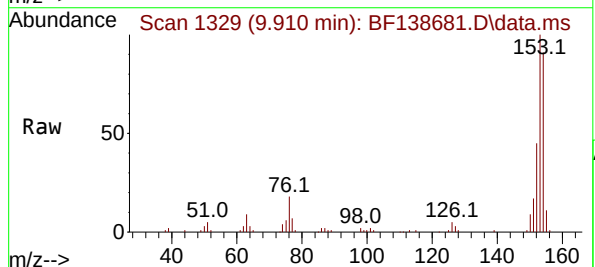
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

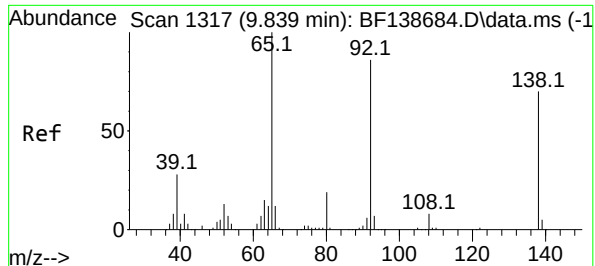
Tgt Ion:165 Resp: 11264
Ion Ratio Lower Upper
165 100
63 68.8 52.0 78.0
89 63.3 47.0 70.6



#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# 1317

Delta R.T. -0.006 min

Lab File: BF138681.D

Acq: 30 Jul 2024 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

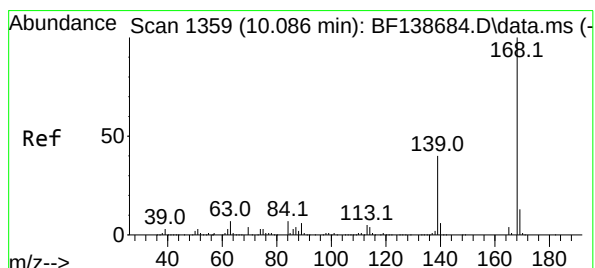
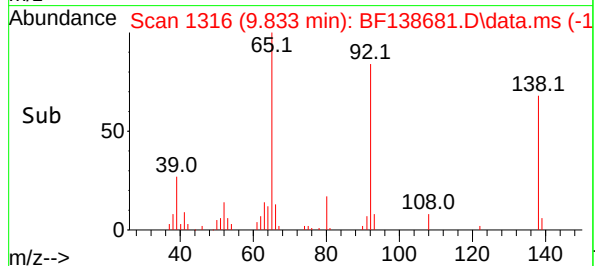
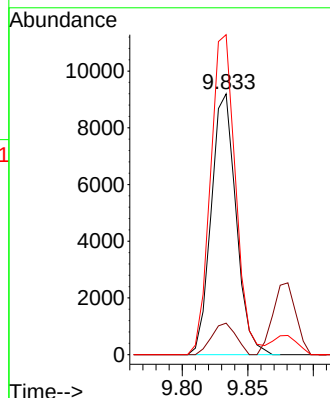
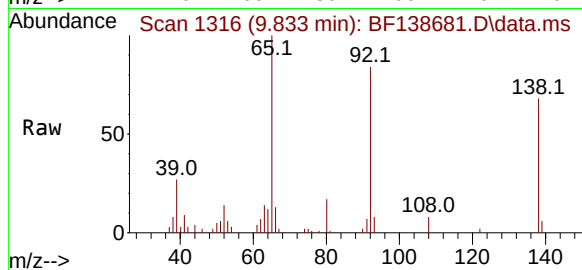
Tgt Ion:138 Resp: 12123

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

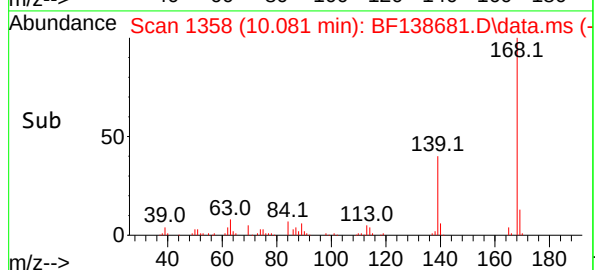
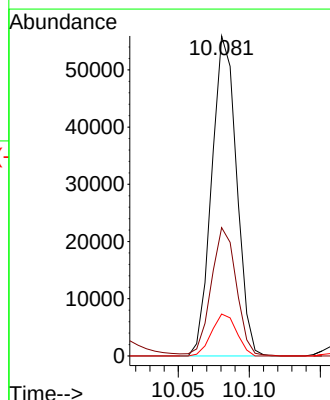
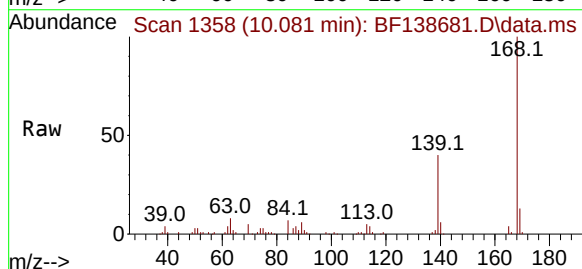
Tgt Ion:168 Resp: 67994

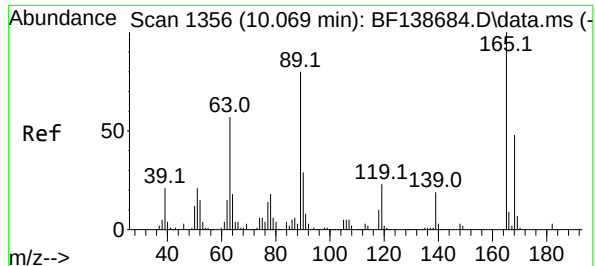
Ion Ratio Lower Upper

168 100

139 40.1 32.6 49.0

169 13.1 10.7 16.1

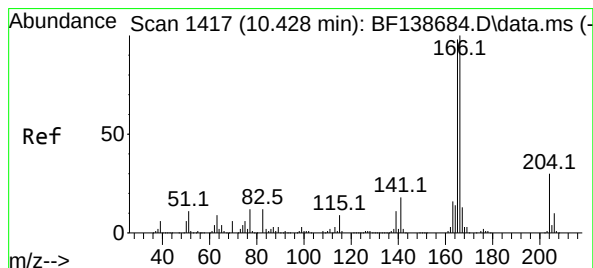
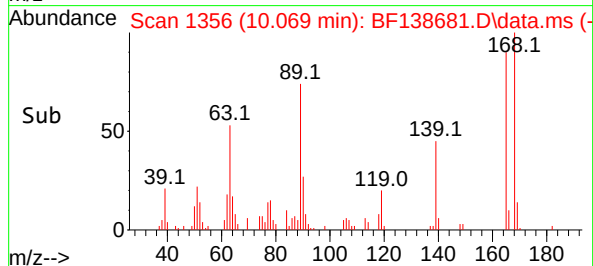
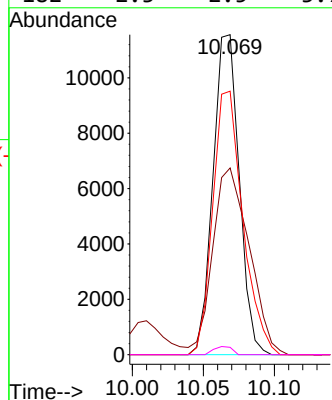
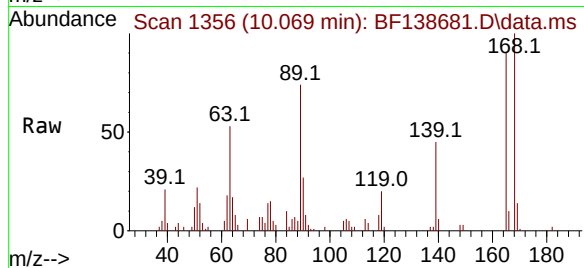




#57
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

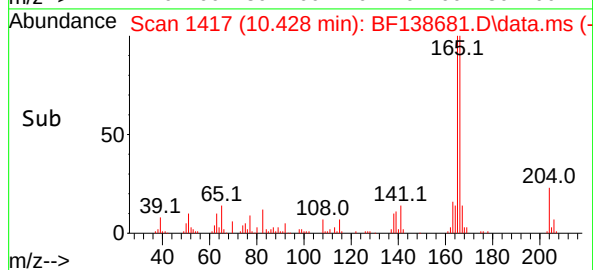
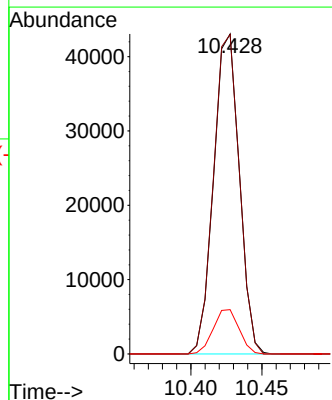
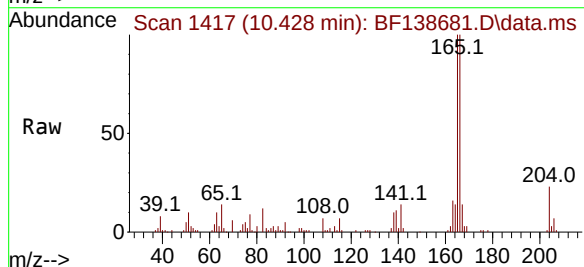
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

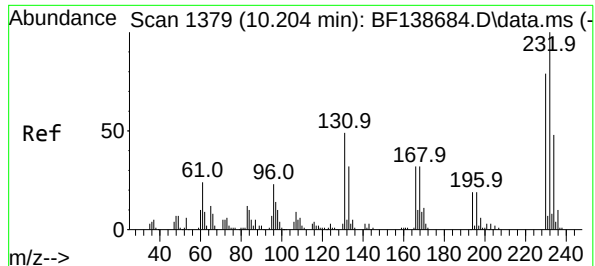
Tgt Ion:165 Resp: 14816
Ion Ratio Lower Upper
165 100
63 58.4 46.3 69.5
89 82.4 64.2 96.4
182 2.3 2.5 3.7#



#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

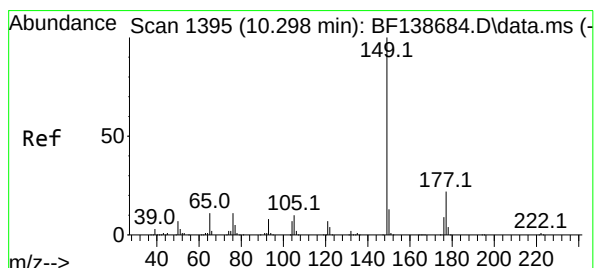
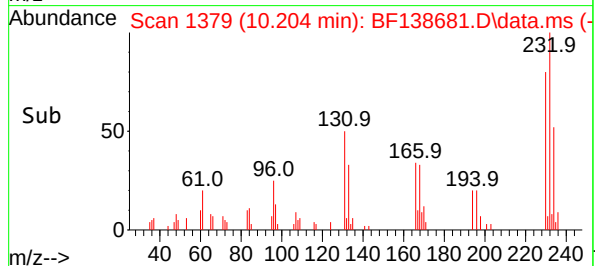
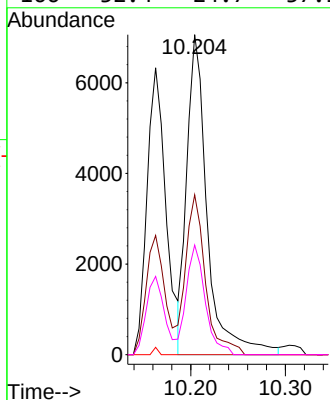
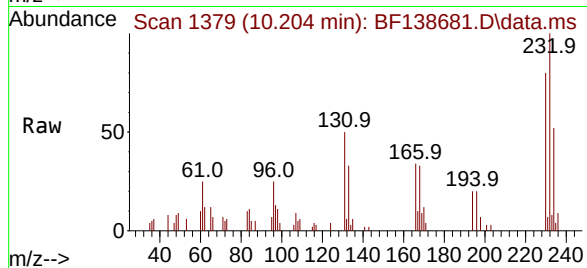




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.765 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

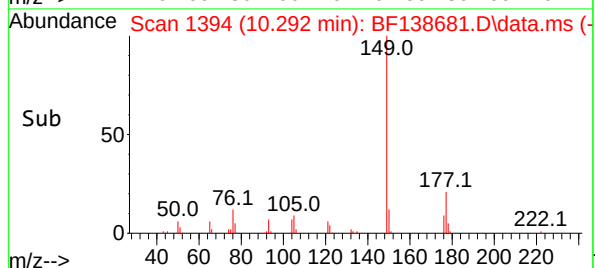
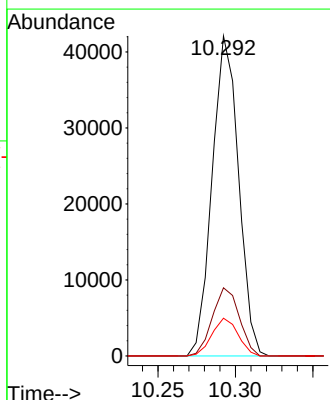
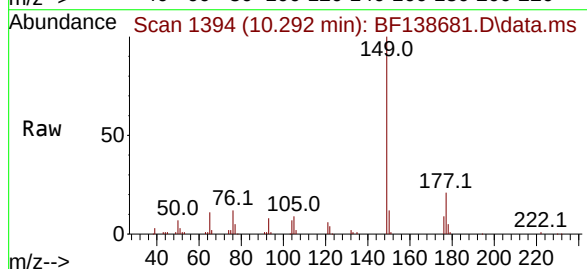
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

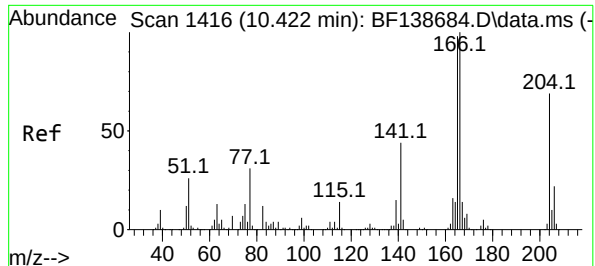
Tgt Ion:232 Resp: 10608
Ion Ratio Lower Upper
232 100
131 49.5 37.0 55.4
130 0.0 2.0 3.0#
166 32.4 24.7 37.1



#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

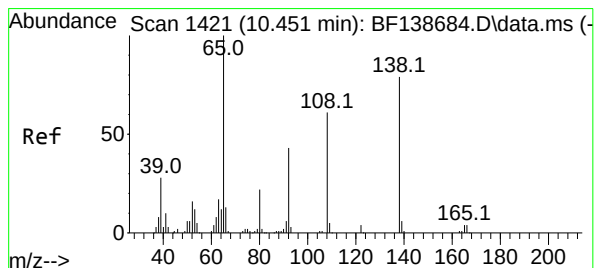
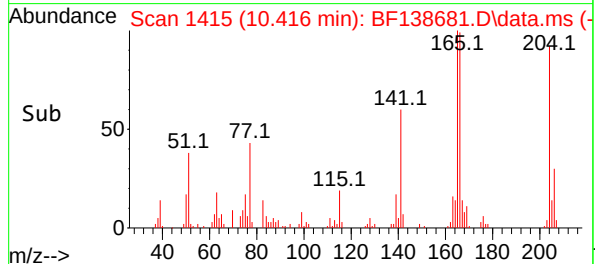
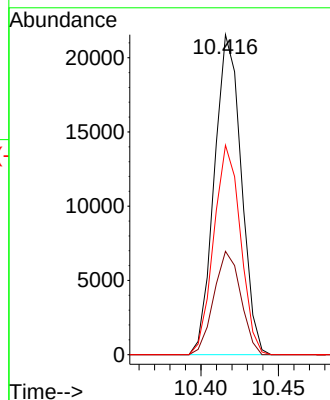
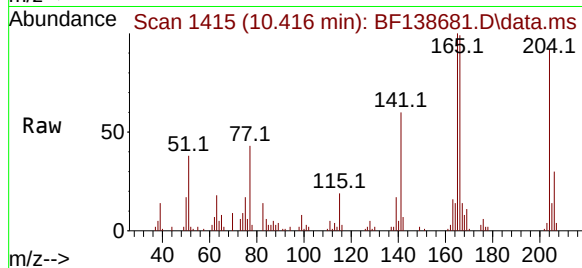




#61
4-Chlorophenyl-phenylether
Concen: 5.389 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

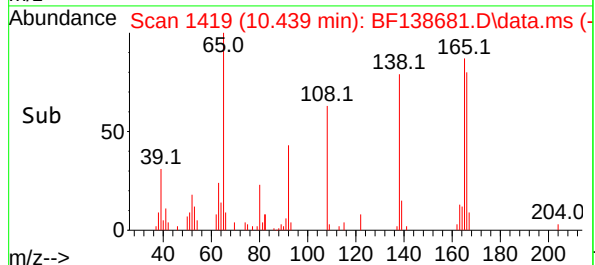
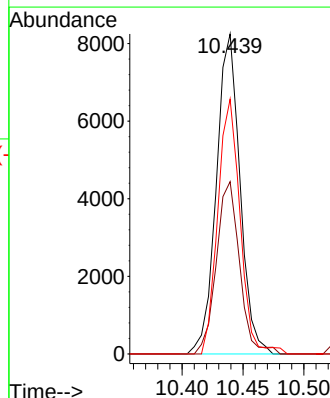
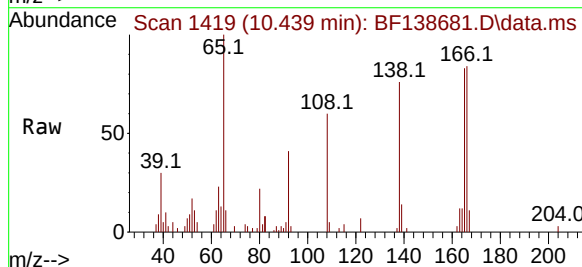
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

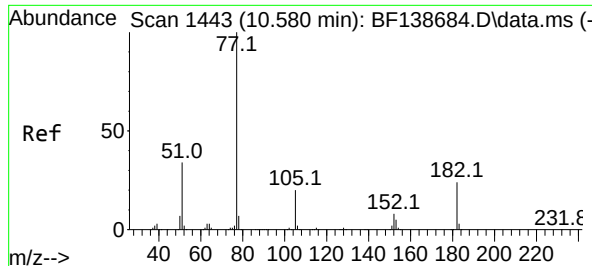
Tgt Ion:204 Resp: 26020
Ion Ratio Lower Upper
204 100
206 32.3 26.1 39.1
141 65.5 51.4 77.0



#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

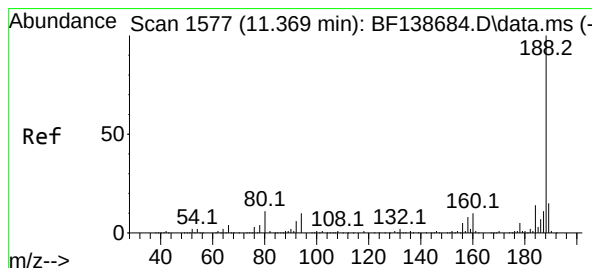
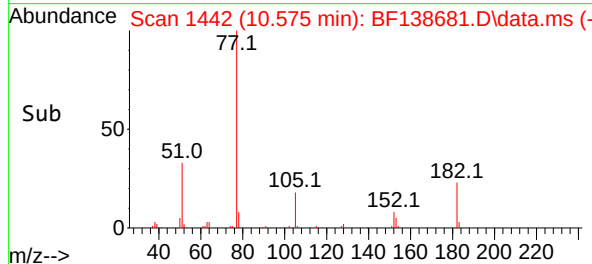
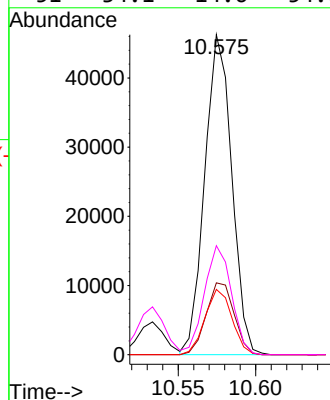
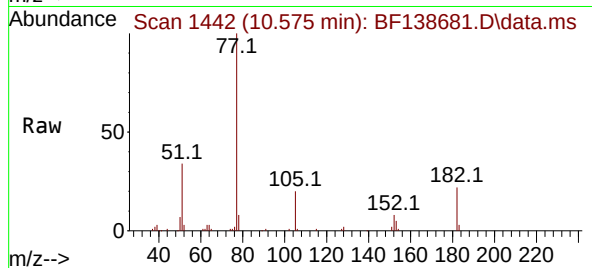




#63
Azobenzene
Concen: 5.304 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

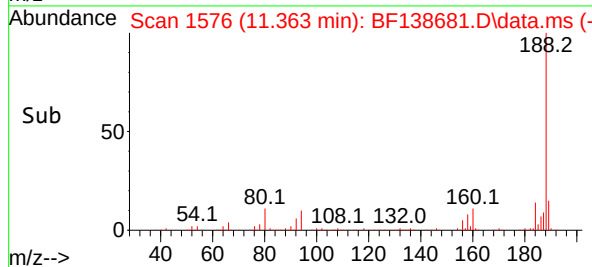
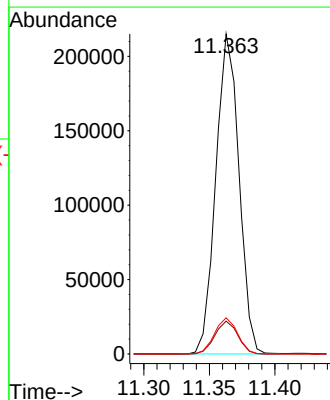
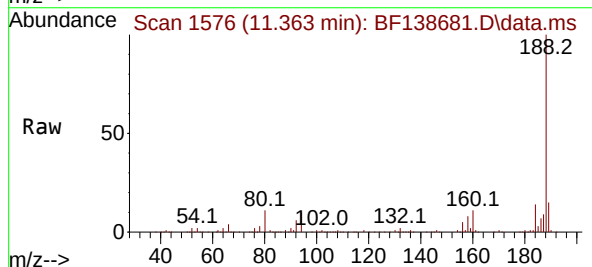
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

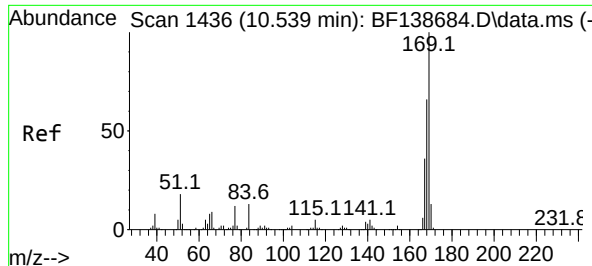
Tgt Ion: 77	Resp: 56096
Ion Ratio	Lower Upper
77 100	
182 22.5	3.4 43.4
105 20.4	0.2 40.2
51 34.1	14.6 54.6



#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

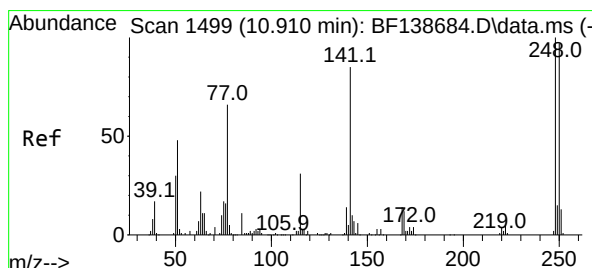
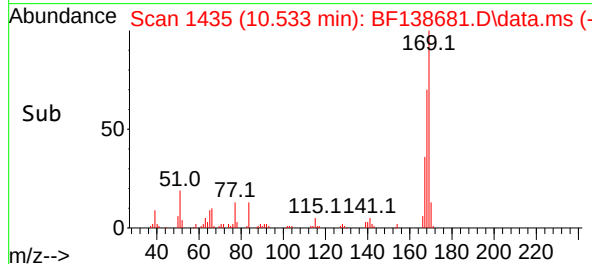
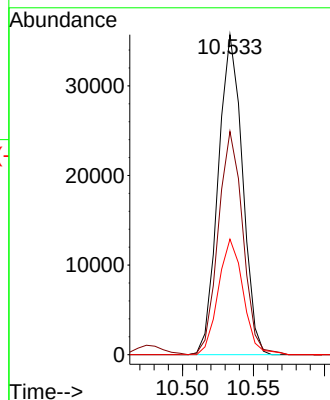
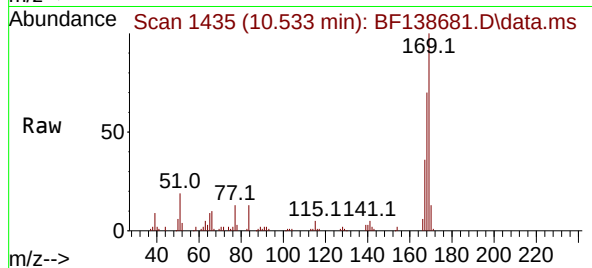




#66
n-Nitrosodiphenylamine
Concen: 5.138 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

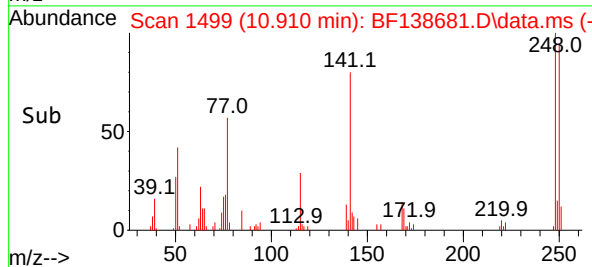
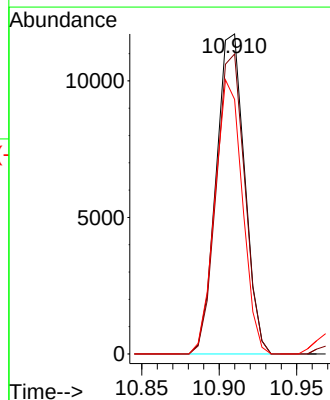
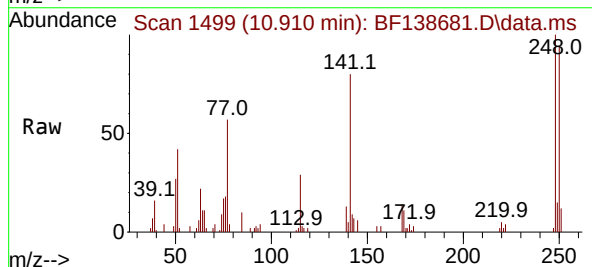
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

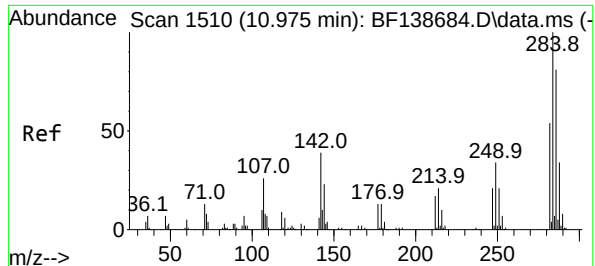
Tgt Ion:169 Resp: 42403
Ion Ratio Lower Upper
169 100
168 69.7 53.0 79.6
167 36.1 29.0 43.6



#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

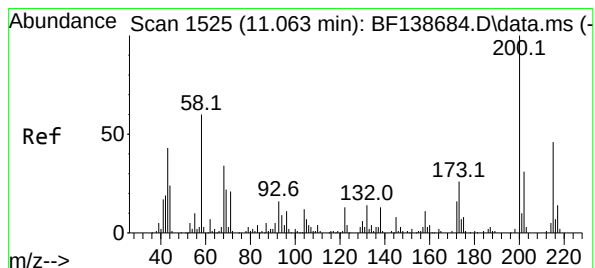
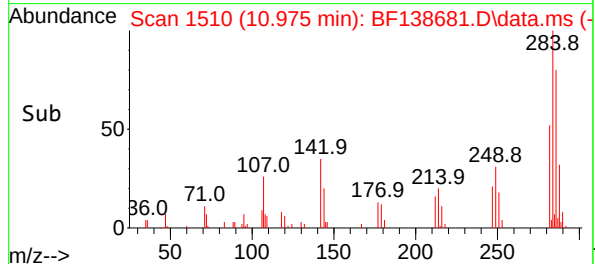
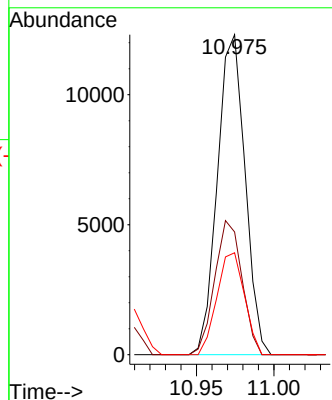
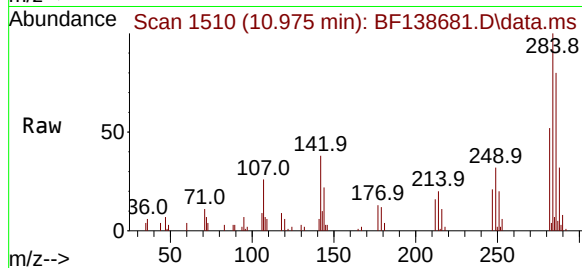




#68
Hexachlorobenzene
Concen: 5.173 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

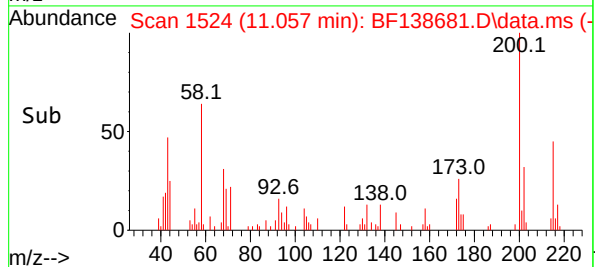
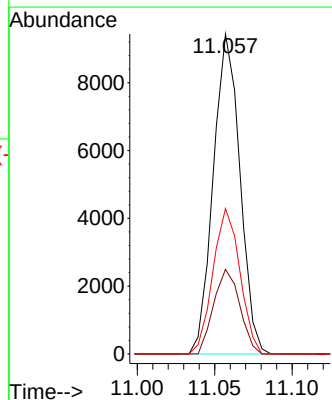
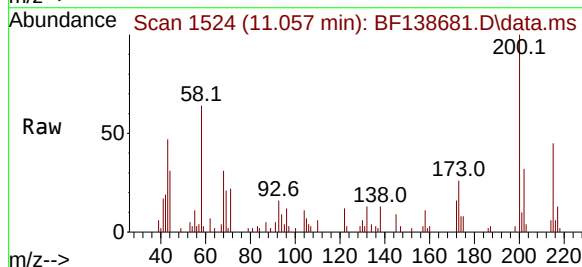
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

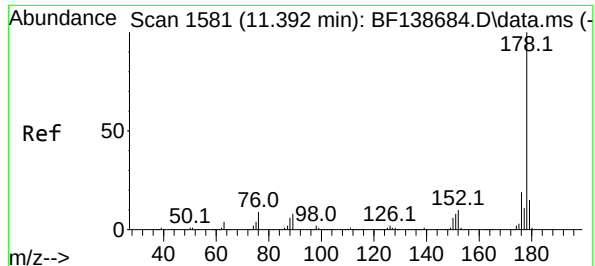
Tgt Ion:284 Resp: 15270
Ion Ratio Lower Upper
284 100
142 38.4 31.3 46.9
249 31.8 27.2 40.8



#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

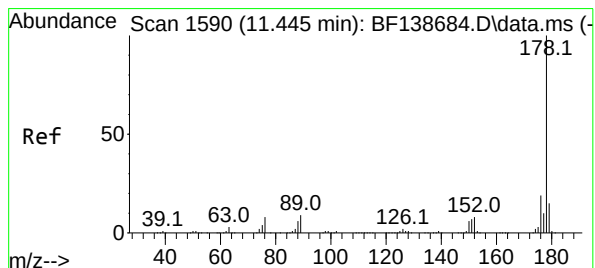
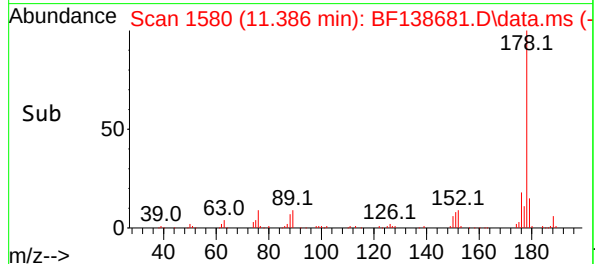
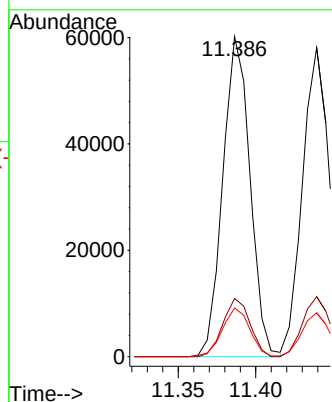
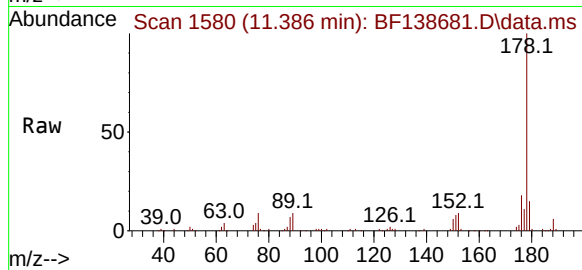




#71
Phenanthrene
Concen: 5.401 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

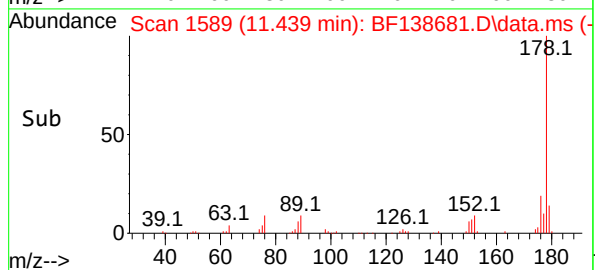
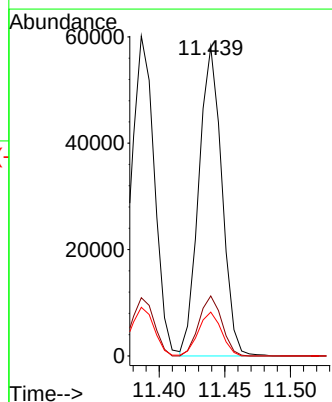
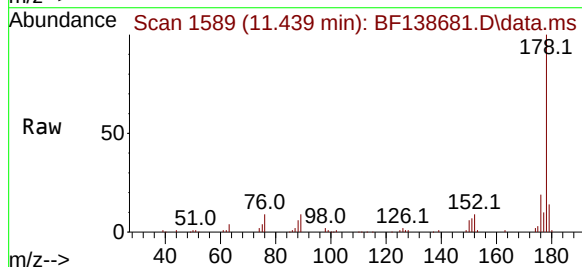
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

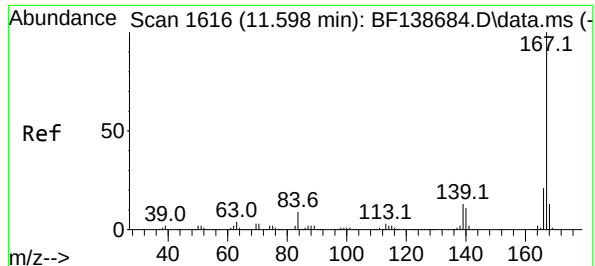
Tgt Ion:178 Resp: 73432
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.2 12.2 18.2



#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

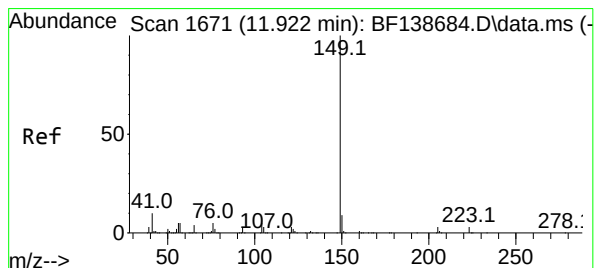
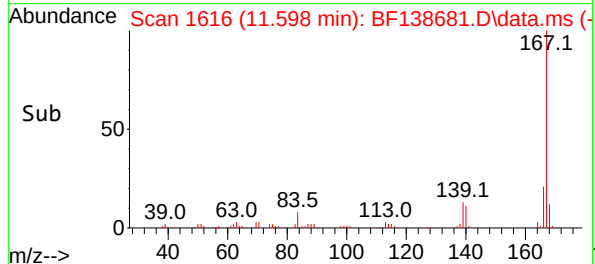
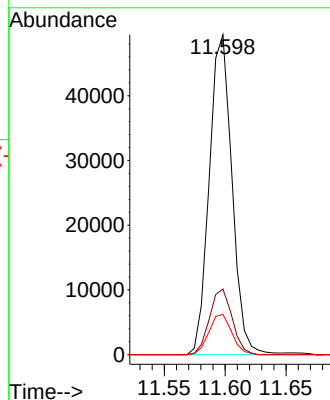
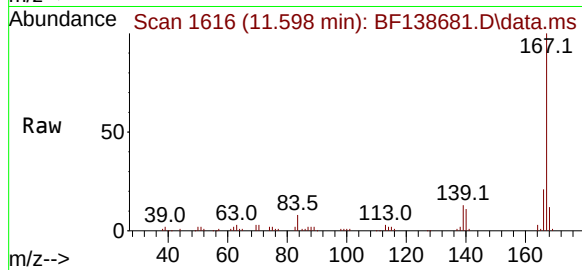




#73
Carbazole
Concen: 5.541 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

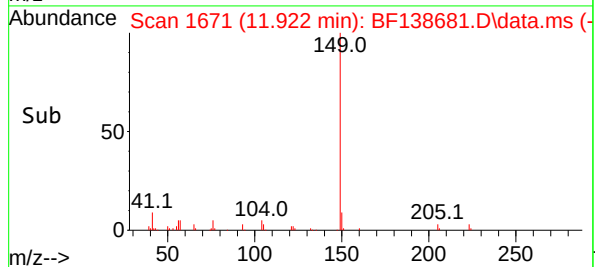
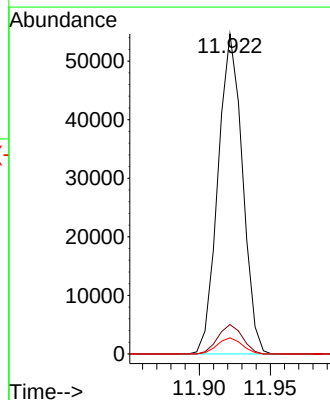
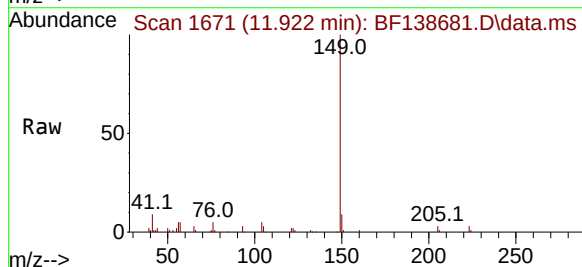
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

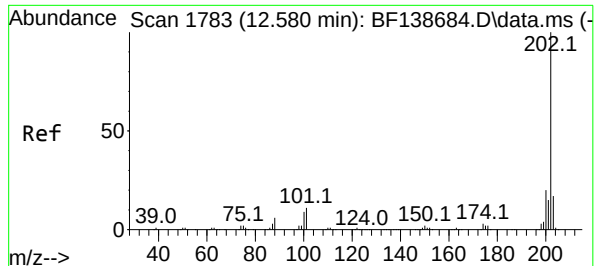
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.2	25.8
139	12.6	10.6	16.0



#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

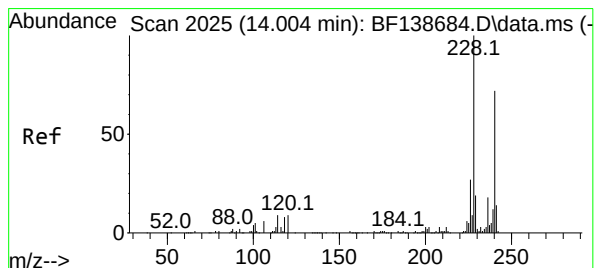
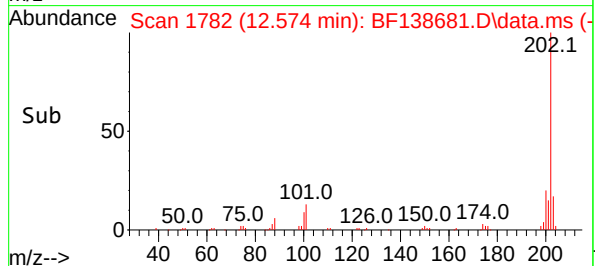
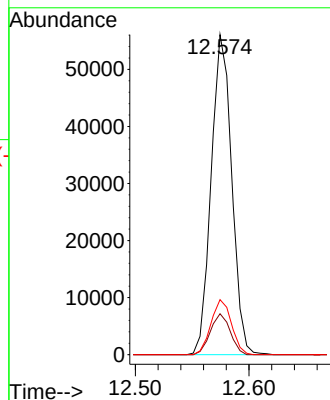
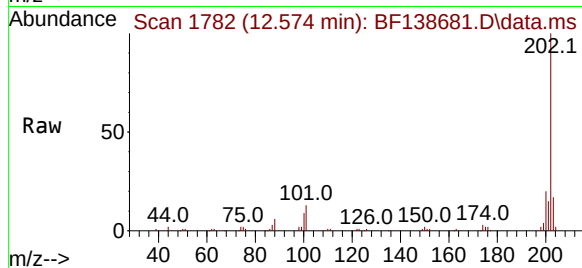




#75
Fluoranthene
Concen: 5.554 ng
RT: 12.574 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

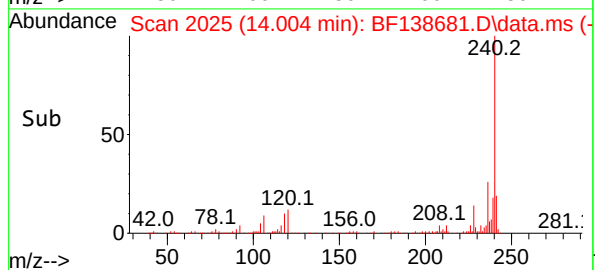
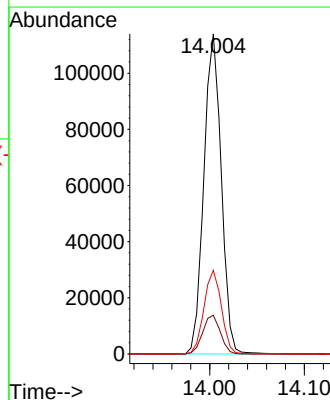
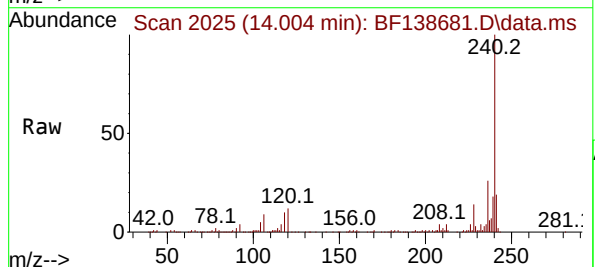
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

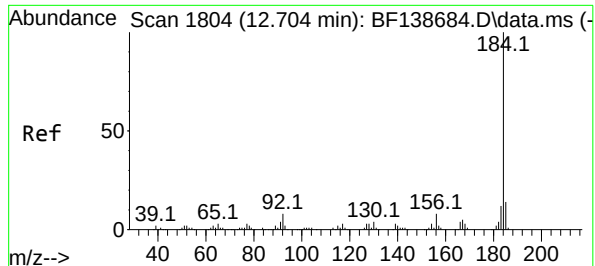
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.2
203	17.2	0.0	37.3



#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

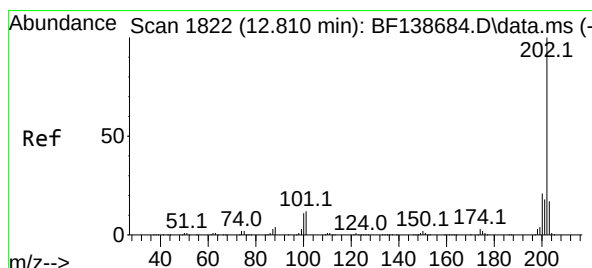
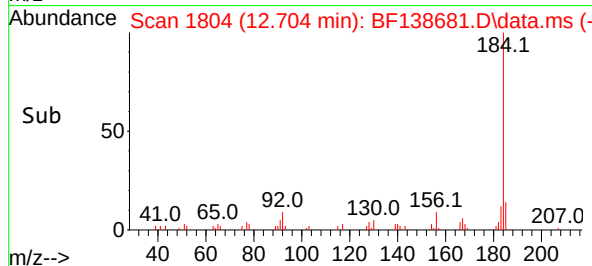
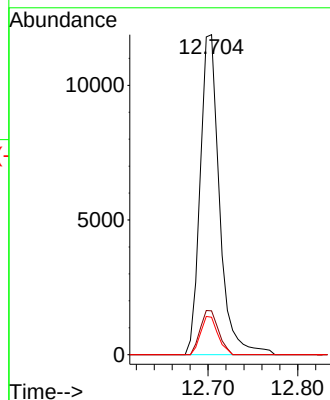
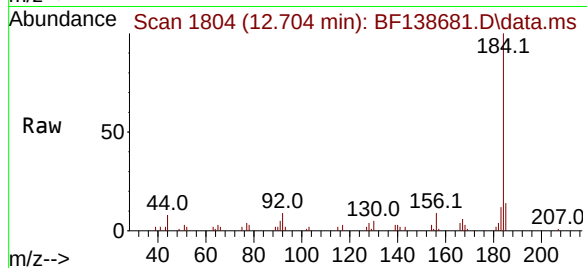
Tgt Ion:184 Resp: 17784

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

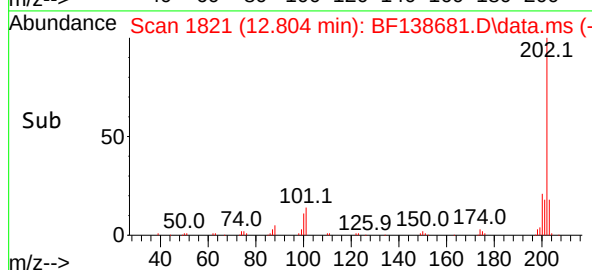
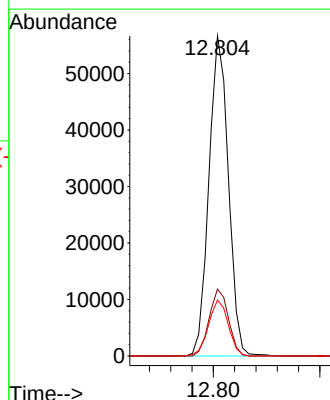
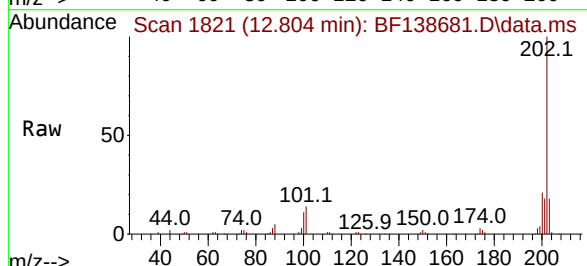
Tgt Ion:202 Resp: 71695

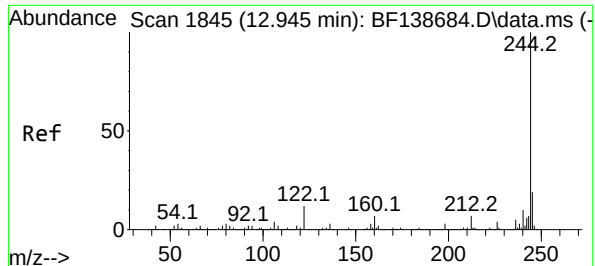
Ion Ratio Lower Upper

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

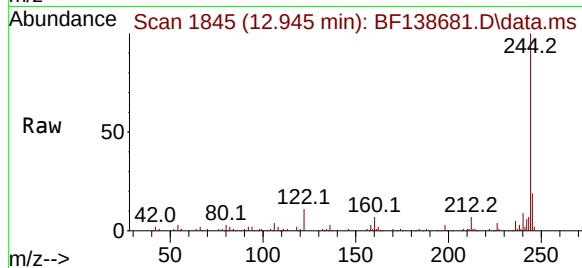
Acq: 30 Jul 2024 13:25

Instrument :

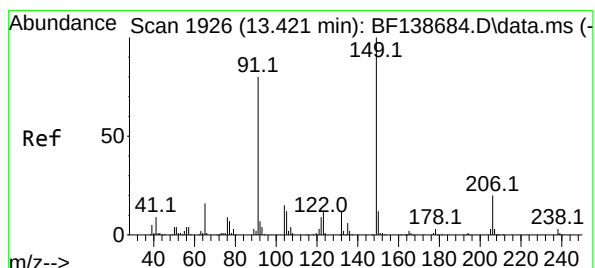
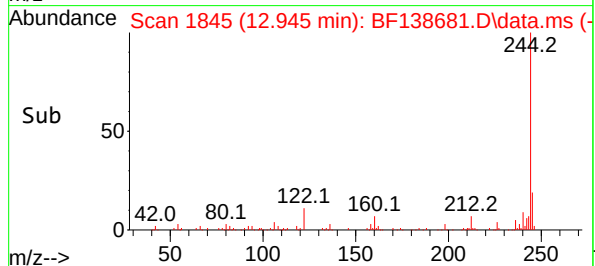
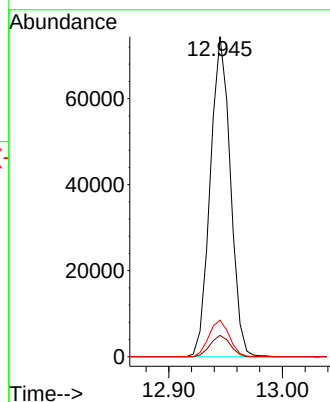
BNA_F

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

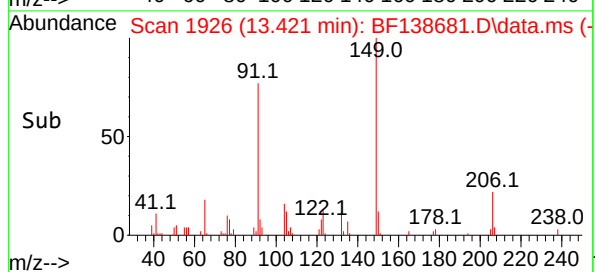
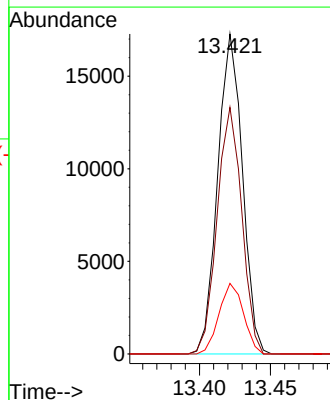
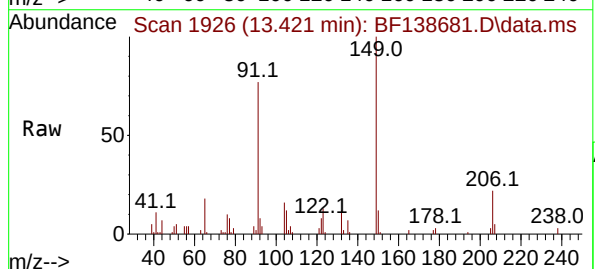
RT: 13.421 min Scan# 1926

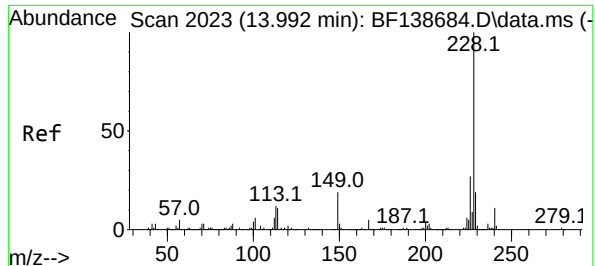
Delta R.T. 0.000 min

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

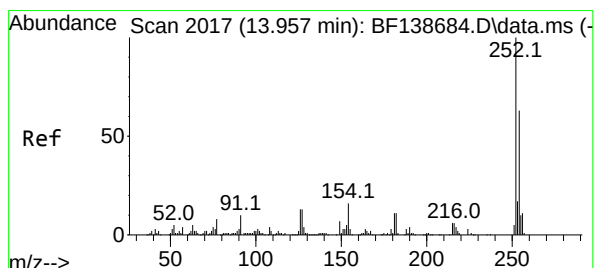
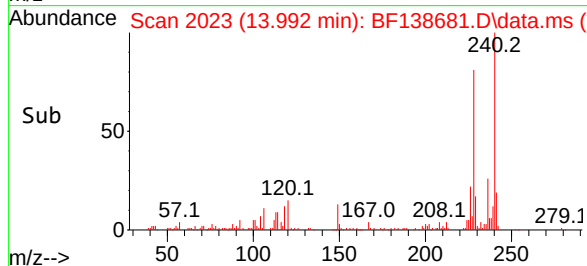
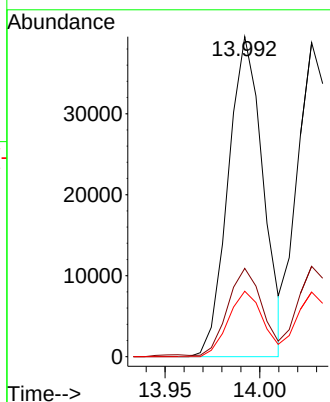
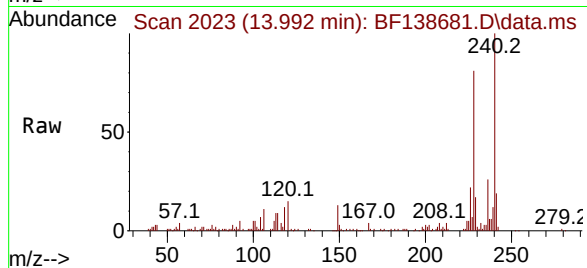




#81
Benzo(a)anthracene
Concen: 5.086 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

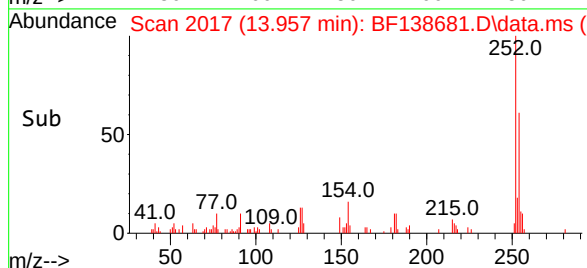
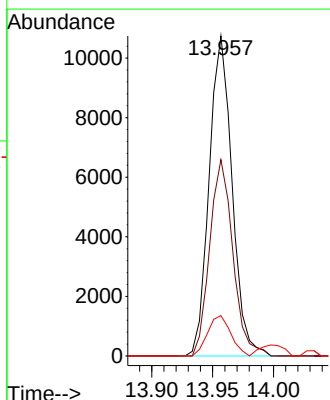
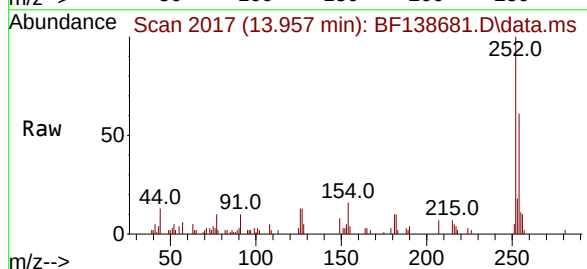
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

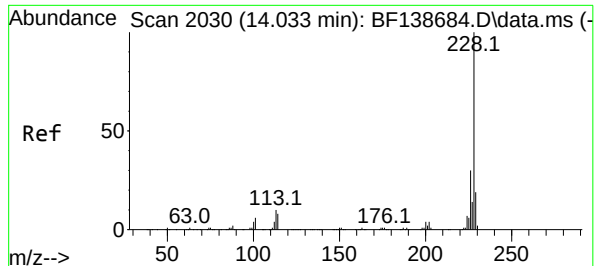
Tgt Ion:228 Resp: 50774
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.5 15.4 23.0



#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

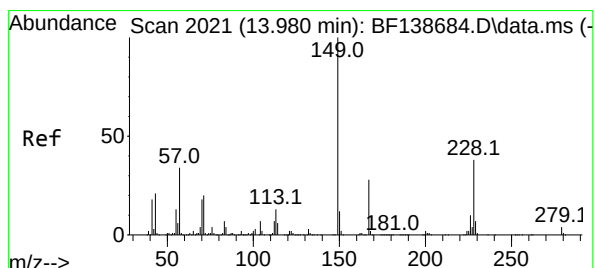
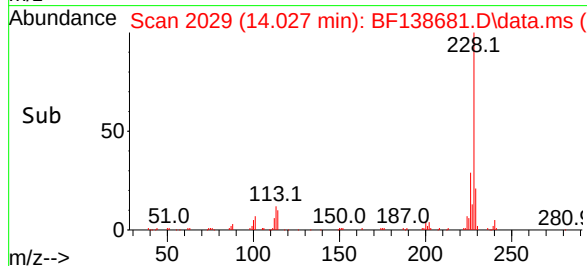
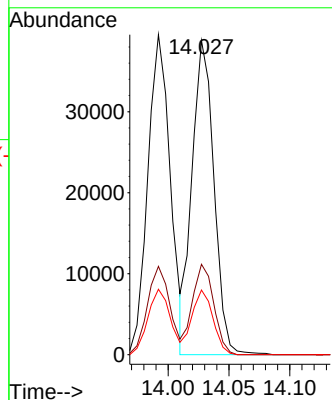
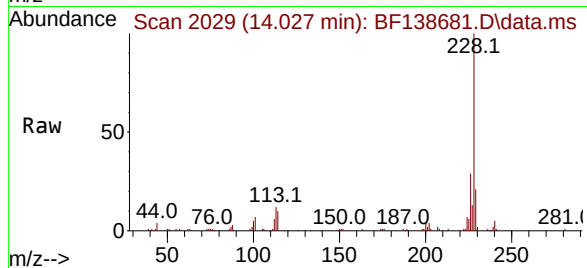
Tgt Ion:228 Resp: 48647

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

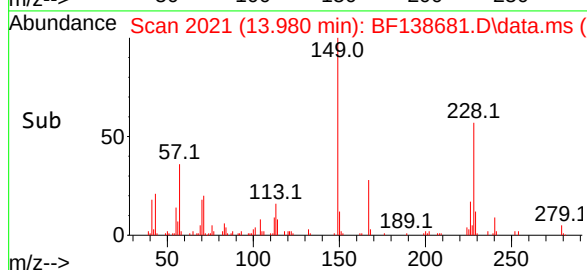
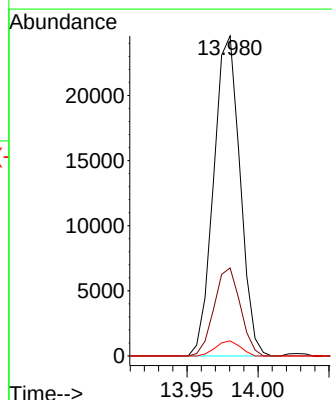
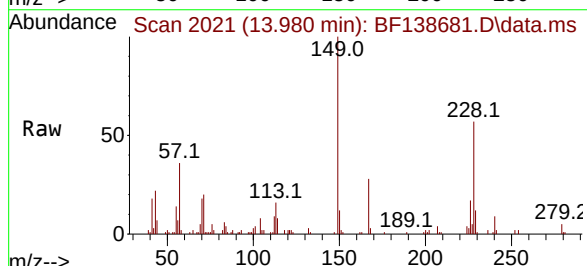
Tgt Ion:149 Resp: 31754

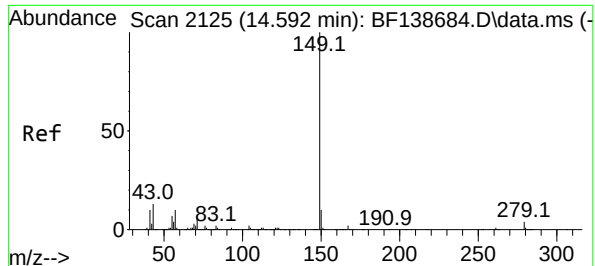
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 4.7 3.4 5.0

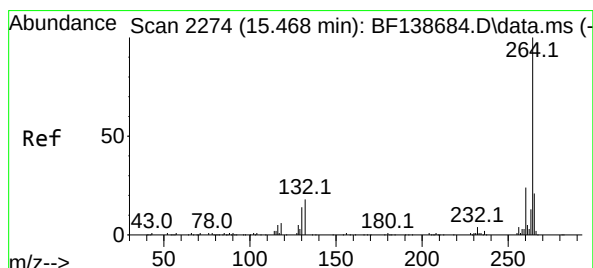
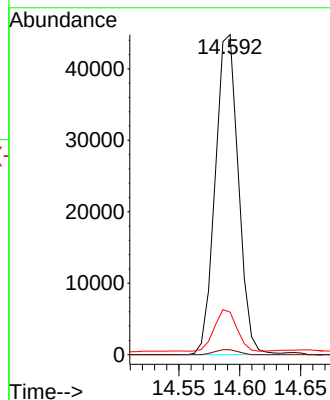
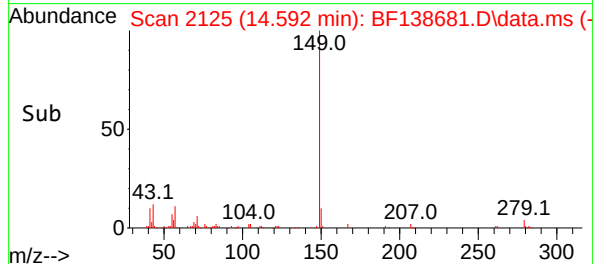
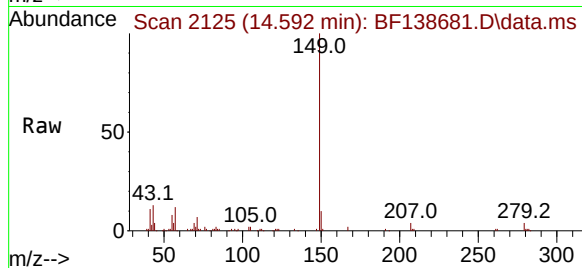




#85
Di-n-octyl phthalate
Concen: 5.011 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

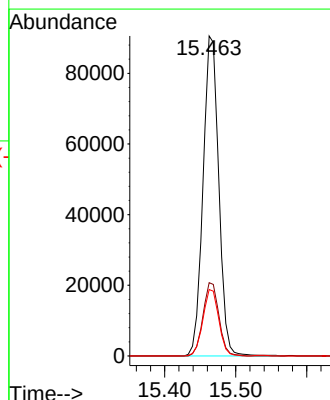
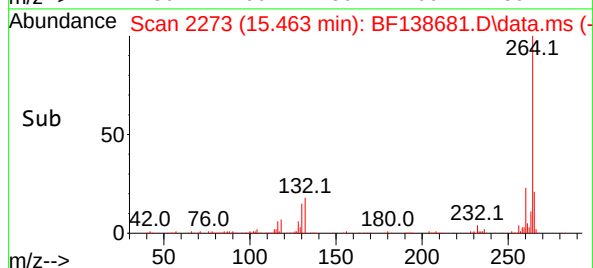
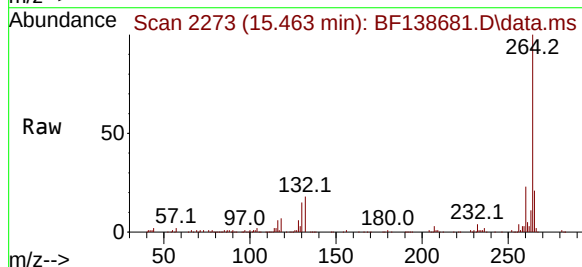
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

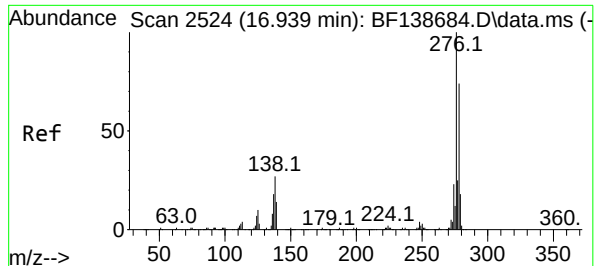
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.6	10.4	15.6



#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

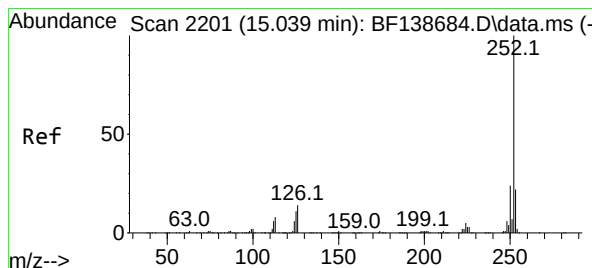
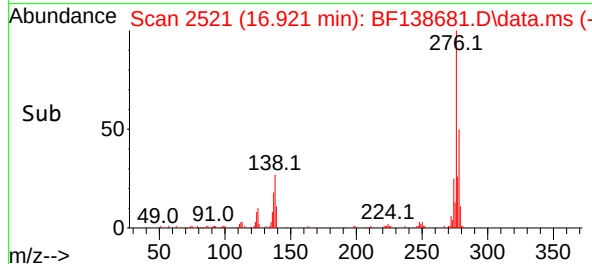
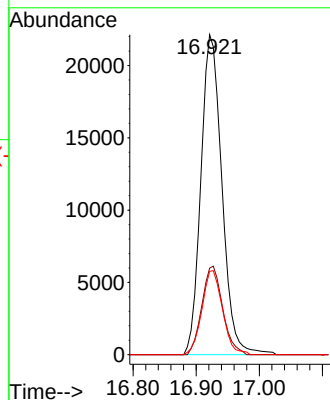
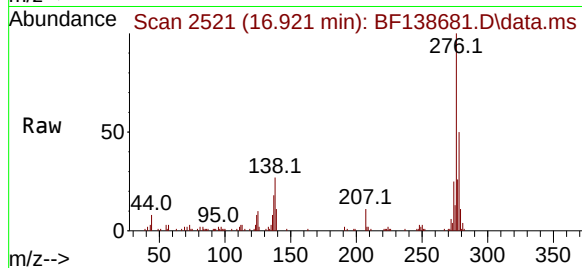




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.126 ng
RT: 16.921 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

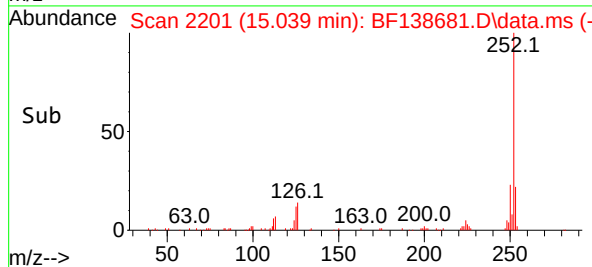
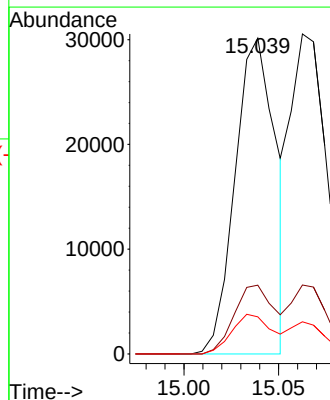
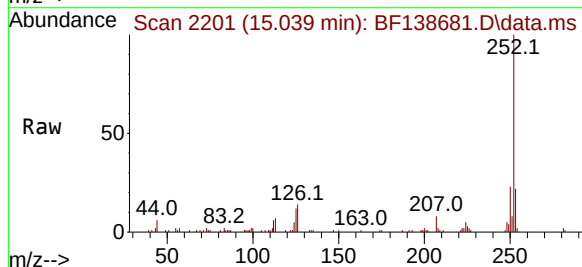
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

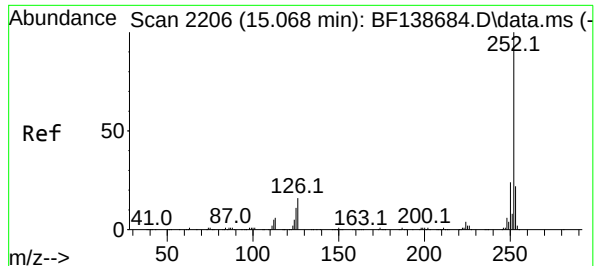
Tgt Ion:276 Resp: 51232
Ion Ratio Lower Upper
276 100
138 27.3 21.8 32.8
277 25.7 20.6 30.8



#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

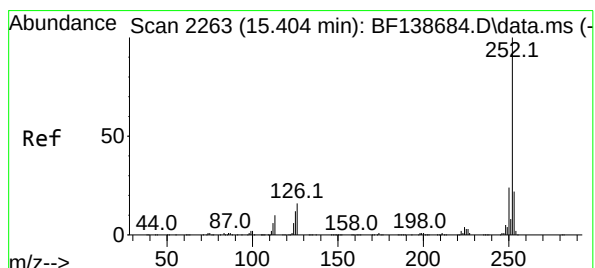
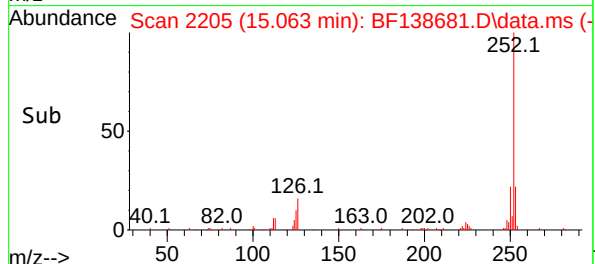
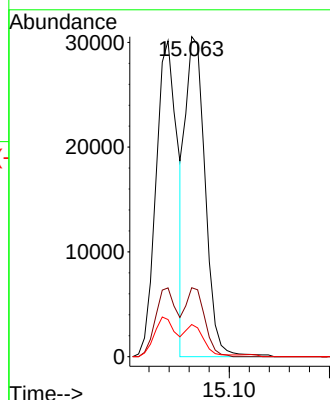
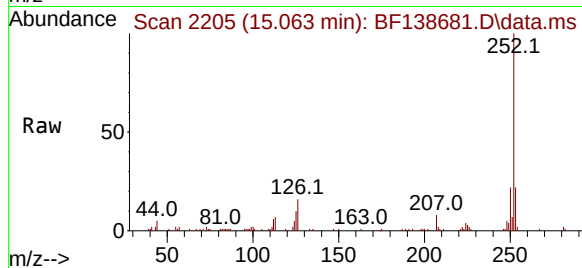
Tgt Ion:252 Resp: 41920

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

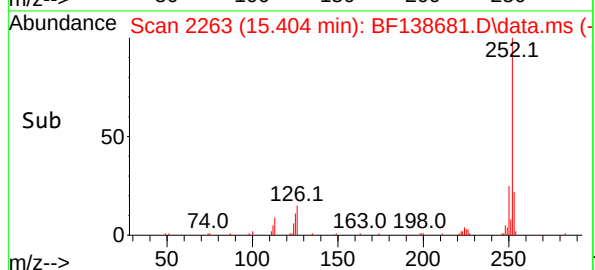
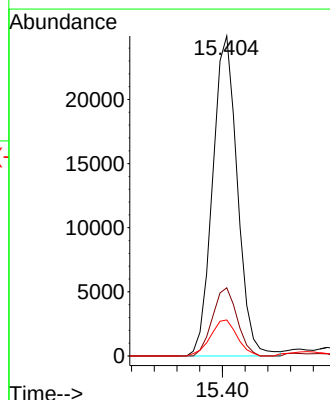
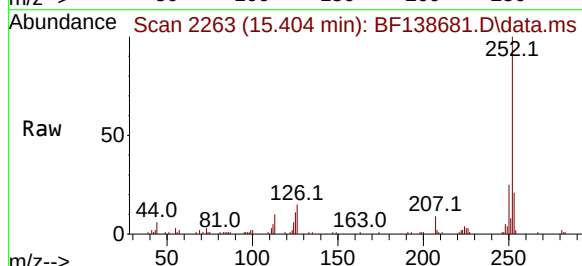
Tgt Ion:252 Resp: 37810

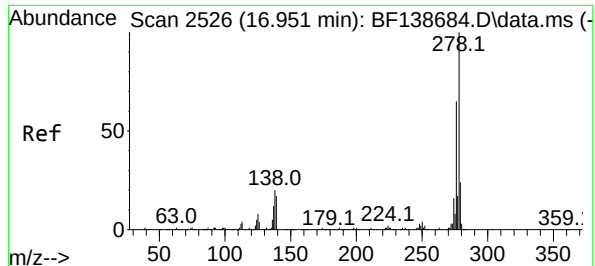
Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 11.2 9.5 14.3

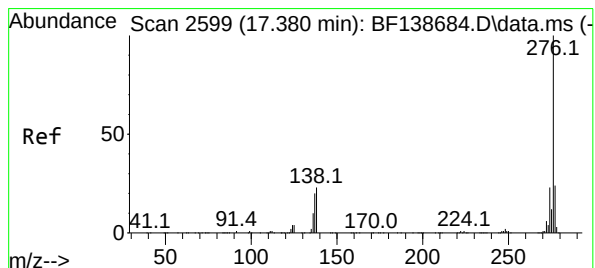
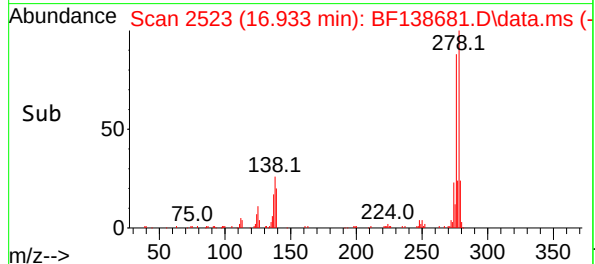
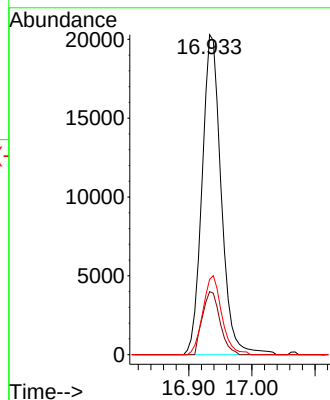
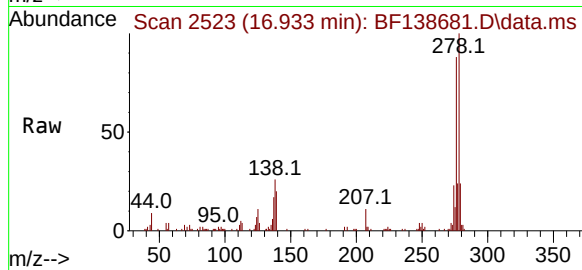




#91
Dibenzo(a,h)anthracene
Concen: 5.209 ng
RT: 16.933 min Scan# 2523
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

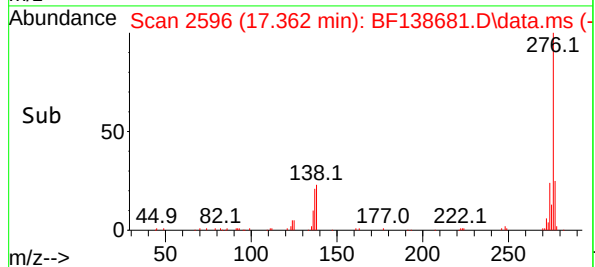
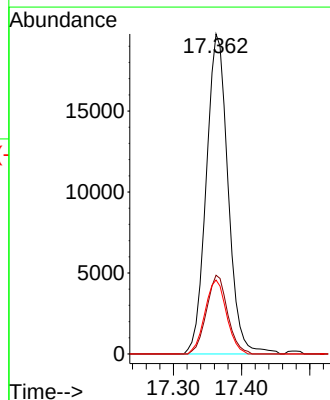
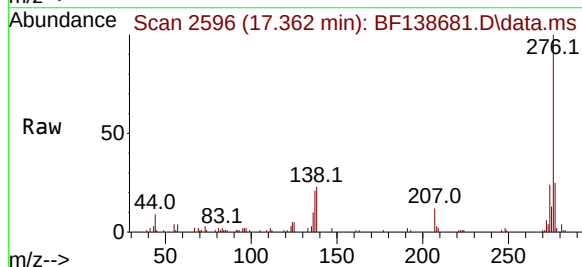
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

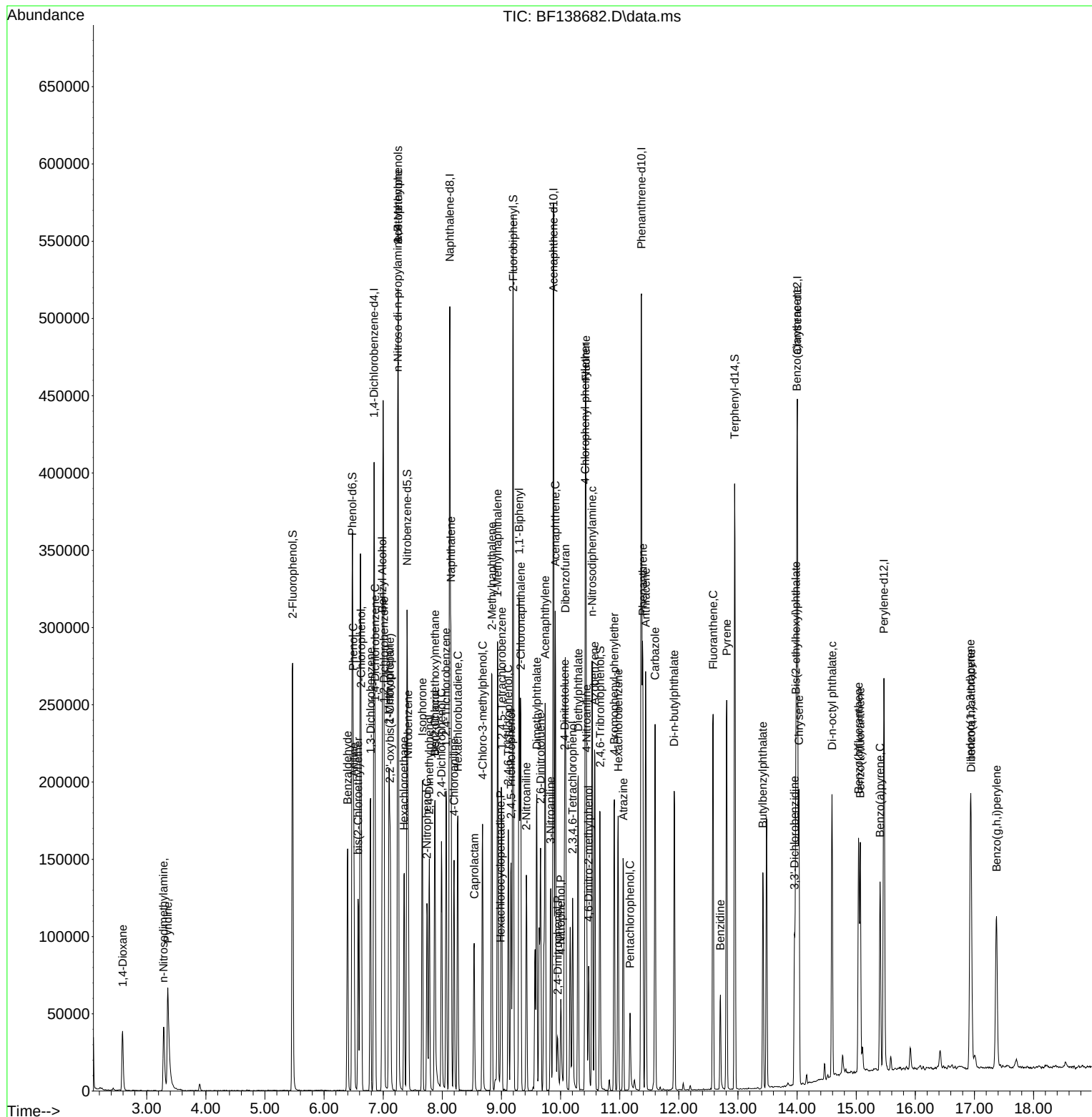
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Data File : BF138682.D
Acq On : 30 Jul 2024 13:56
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

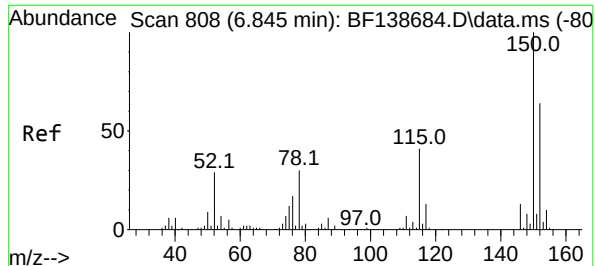
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

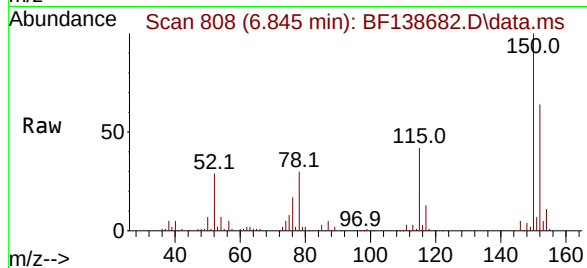
Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration





#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

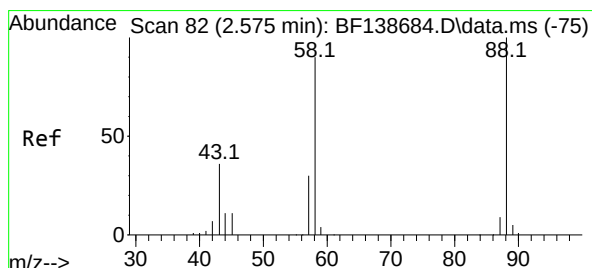
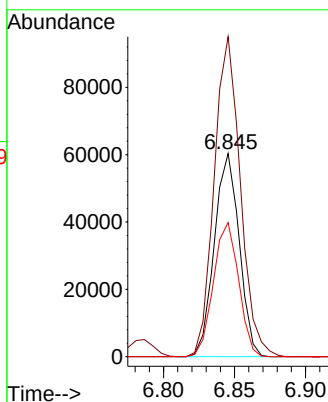
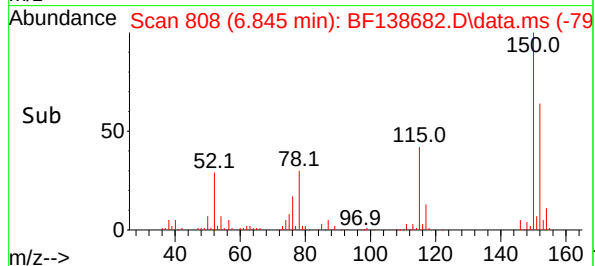
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

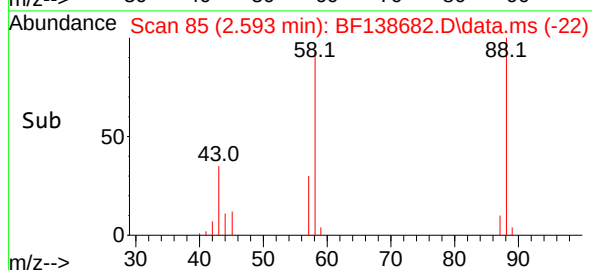
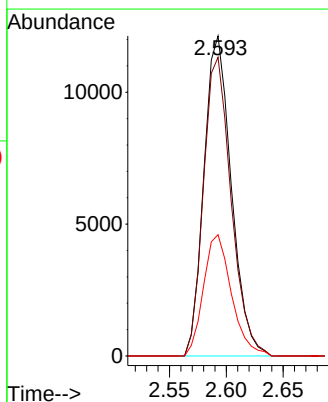
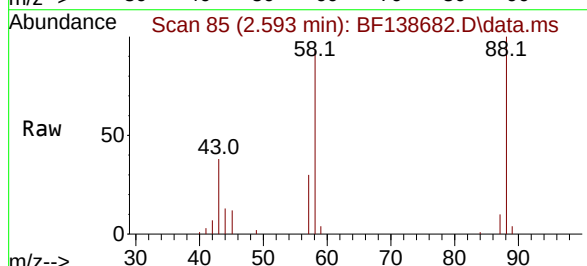
Manual Integrations
APPROVED

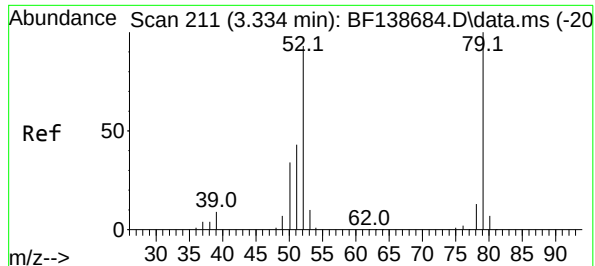
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

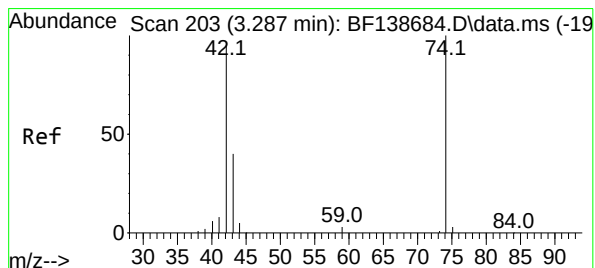
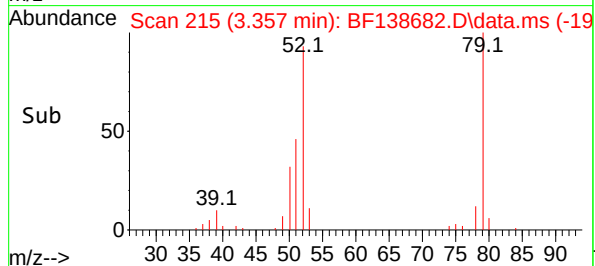
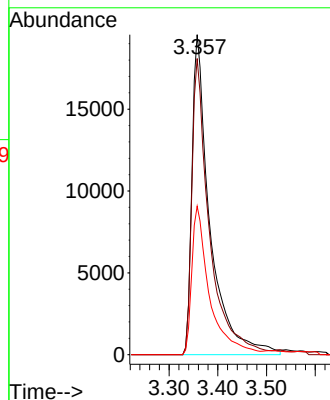
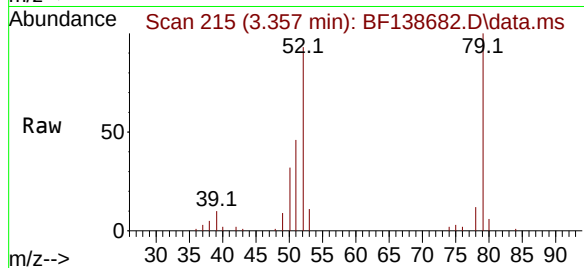
Tgt Ion:	79	Resp:	5005
Ion	Ratio	Lower	Upper
79	100		
52	92.6	74.7	112.1
51	46.4	34.6	51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#4

n-Nitrosodimethylamine

Concen: 9.983 ng

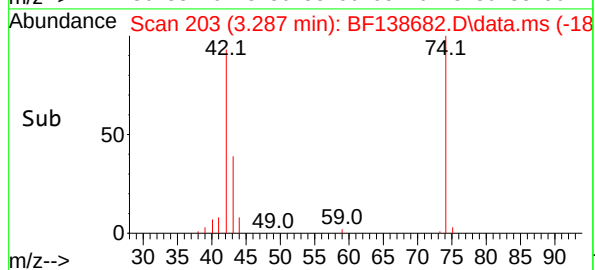
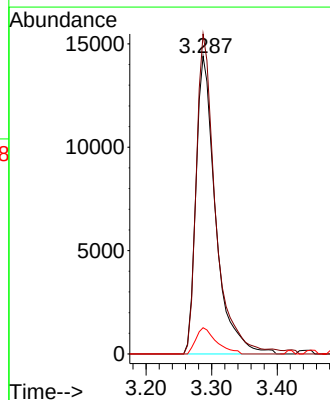
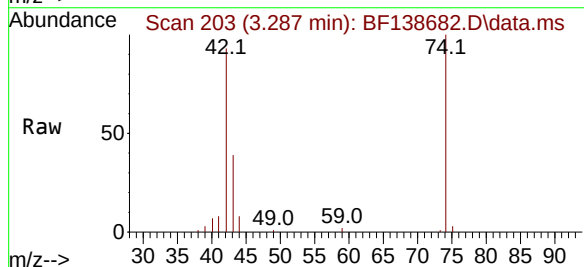
RT: 3.287 min Scan# 203

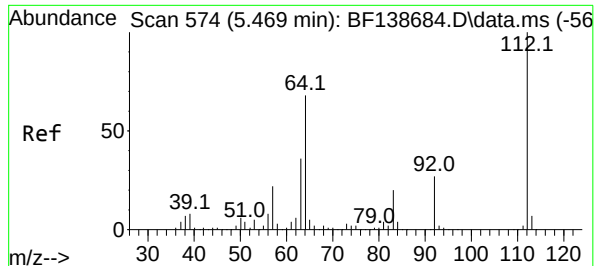
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

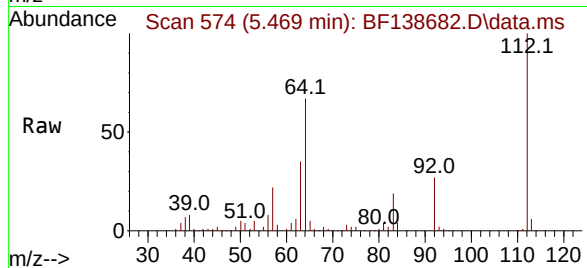
Tgt Ion:	42	Resp:	29962
Ion	Ratio	Lower	Upper
42	100		
74	107.5	84.2	126.4
44	8.8	4.9	7.3





#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

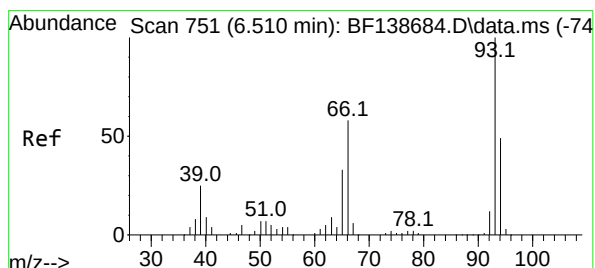
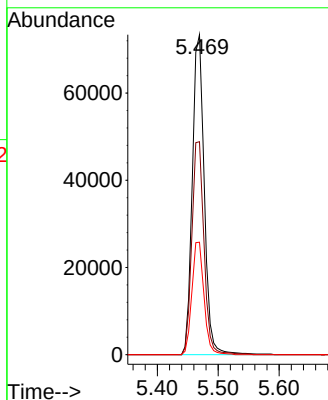
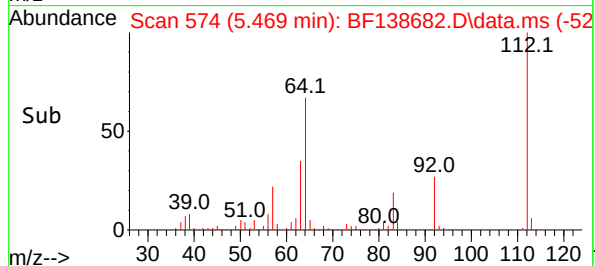
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



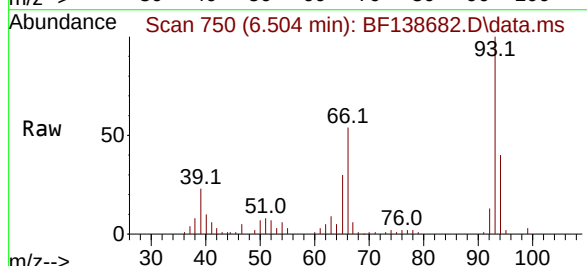
Tgt Ion:112 Resp: 10029
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 35.2 28.7 43.1

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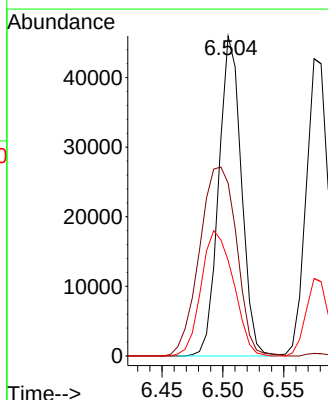
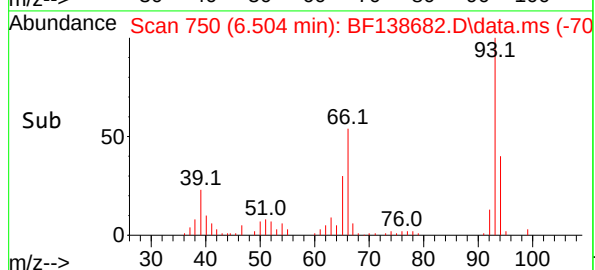
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

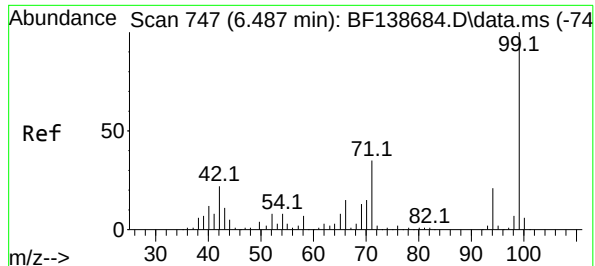


#6
Aniline
Concen: 10.481 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



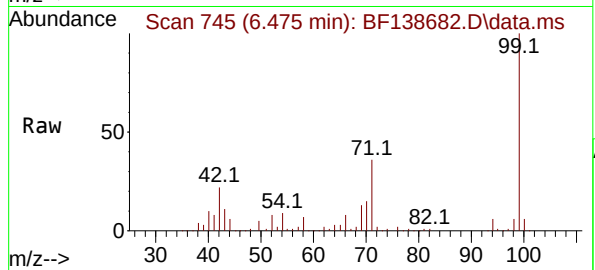
Tgt Ion: 93 Resp: 59629
Ion Ratio Lower Upper
93 100
66 54.0 46.9 70.3
65 29.9 26.5 39.7





#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

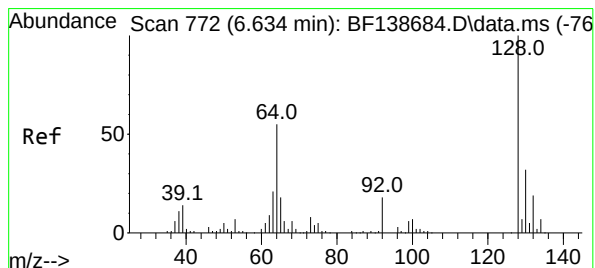
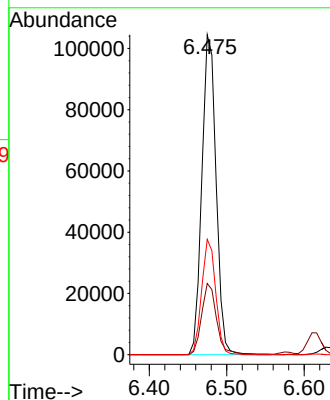
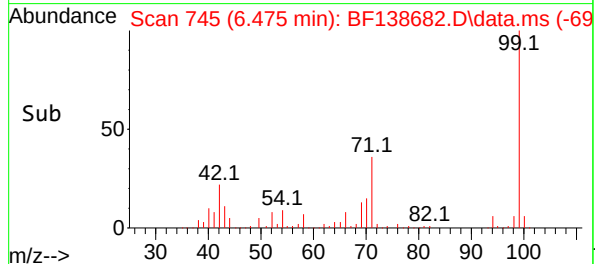
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

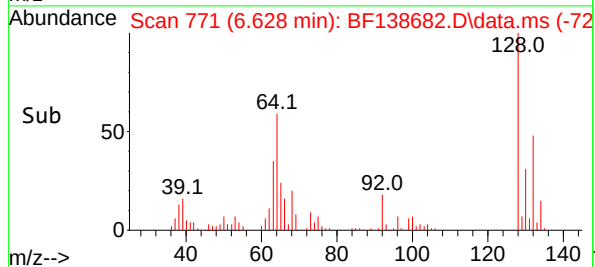
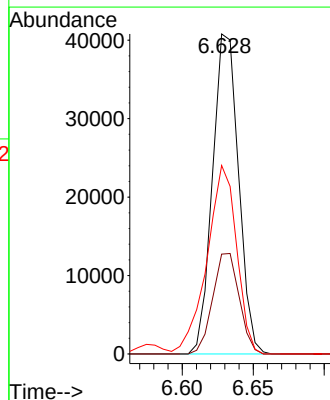
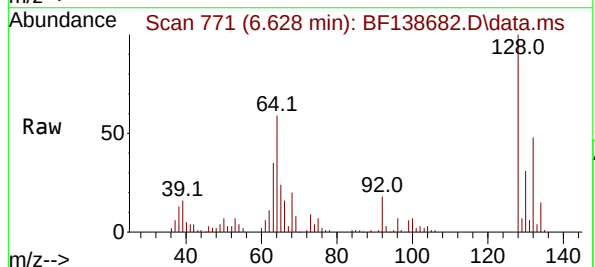
Manual Integrations
APPROVED

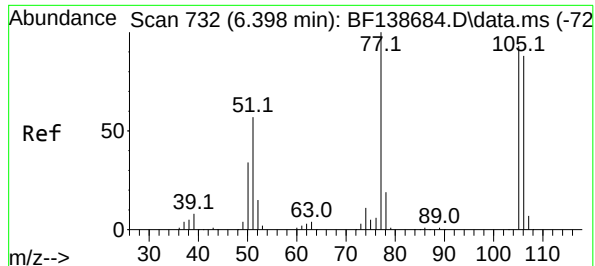
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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# 71

Delta R.T. 0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

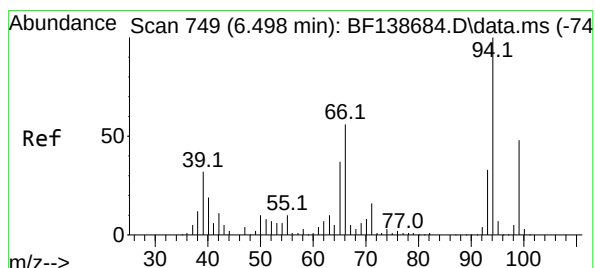
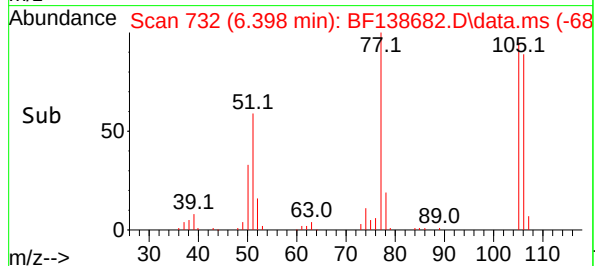
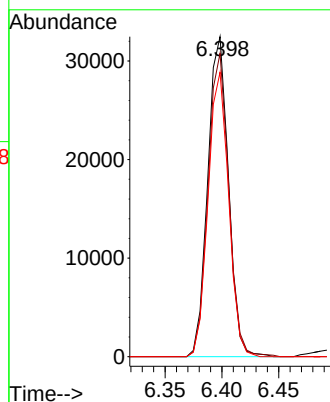
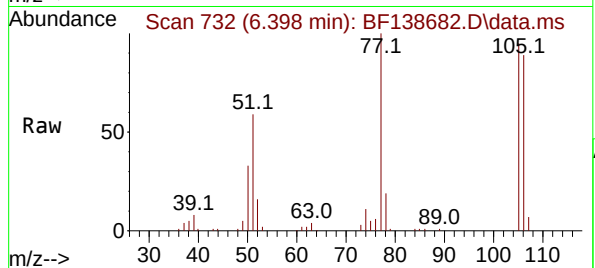
Tgt Ion:	77	Resp:	4104
Ion	Ratio	Lower	Upper
77	100		
105	94.8	72.9	112.9
106	88.9	68.4	108.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#10

Phenol

Concen: 10.626 ng

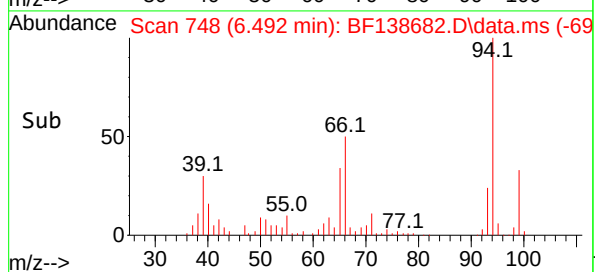
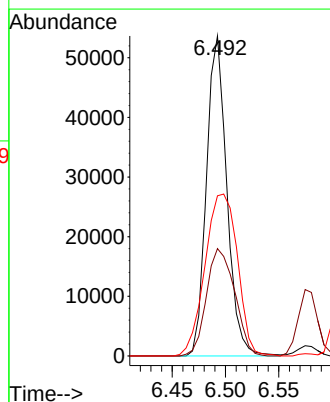
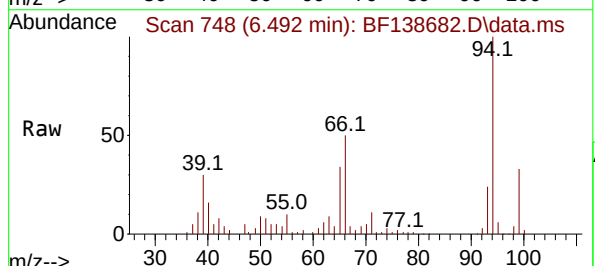
RT: 6.492 min Scan# 748

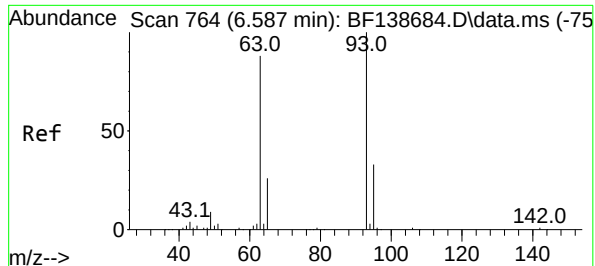
Delta R.T. -0.006 min

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

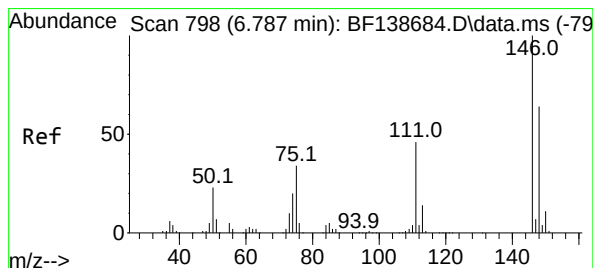
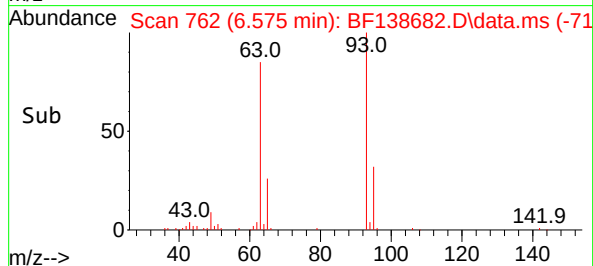
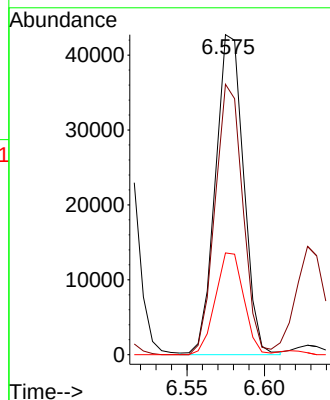
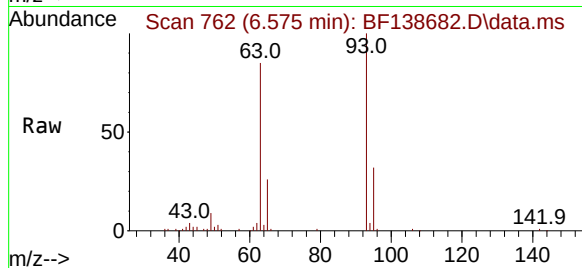
Tgt Ion:	93	Resp:	5412
Ion	Ratio	Lower	Upper
93	100		
63	84.5	65.3	105.3
95	31.8	12.4	52.4

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

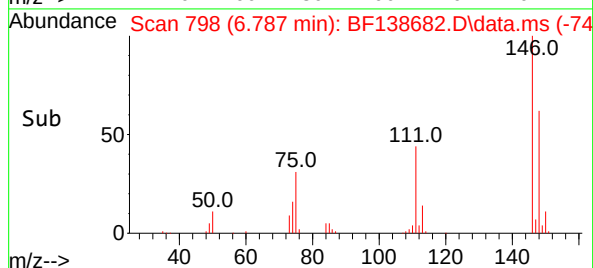
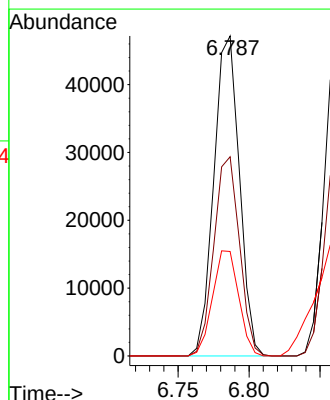
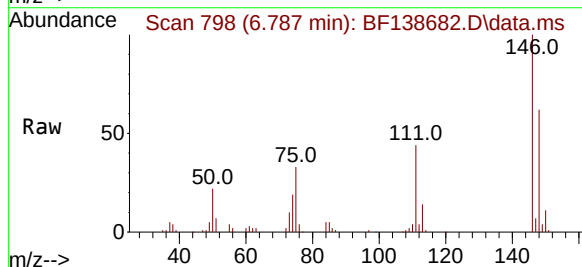
RT: 6.787 min Scan# 798

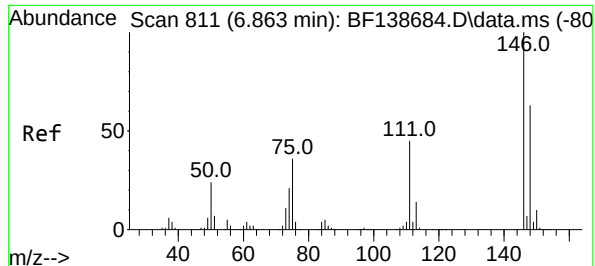
Delta R.T. 0.000 min

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

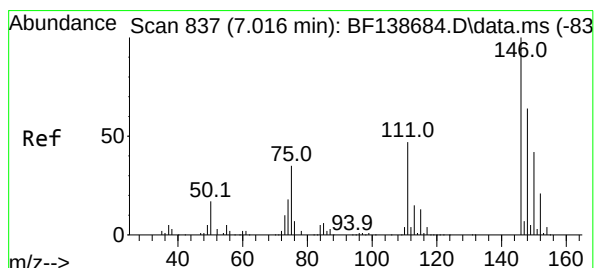
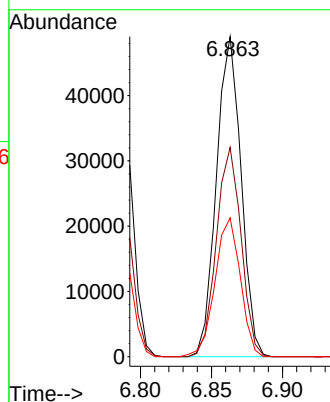
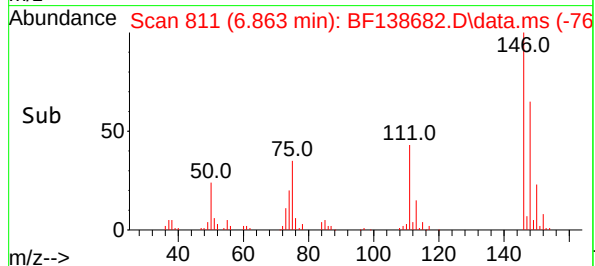
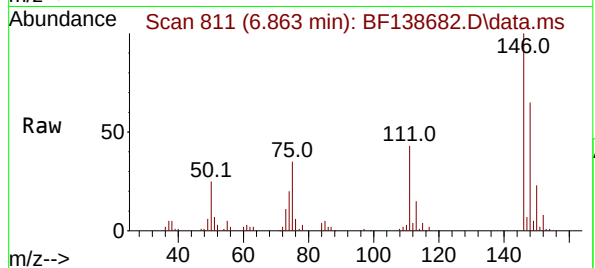
111 43.4 35.9 53.9

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

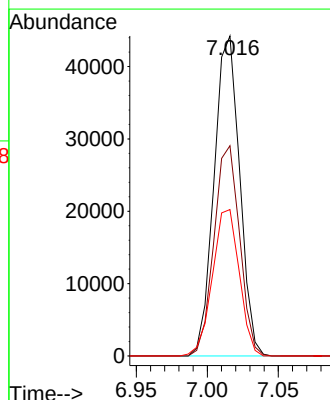
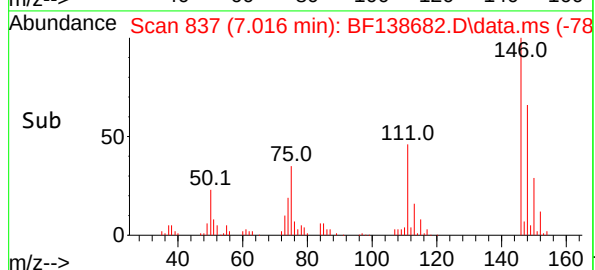
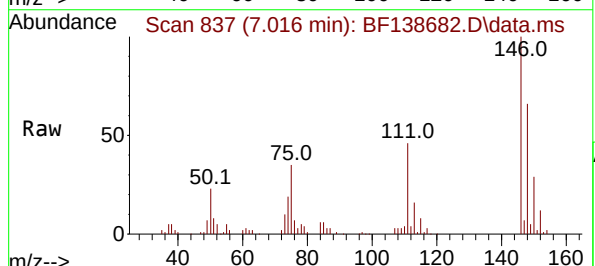
Tgt Ion:146 Resp: 55425

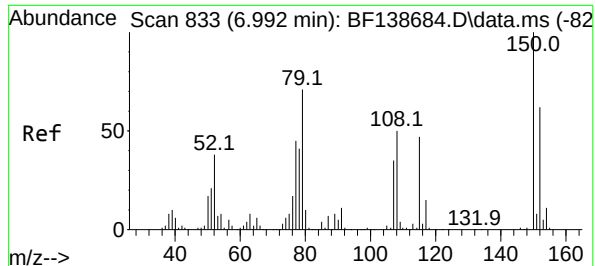
Ion Ratio Lower Upper

146 100

148 65.7 50.8 76.2

111 45.7 37.4 56.2





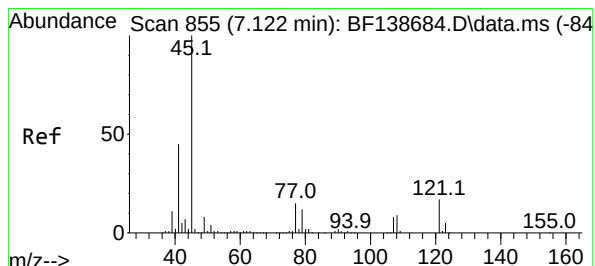
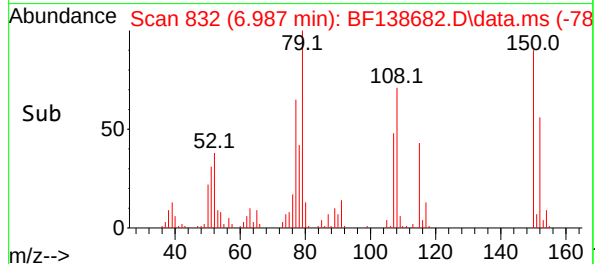
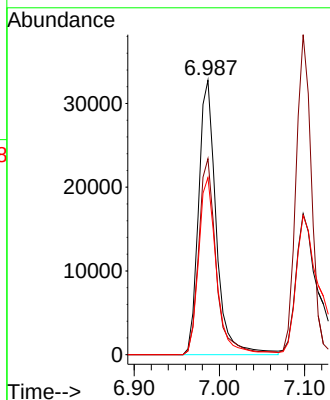
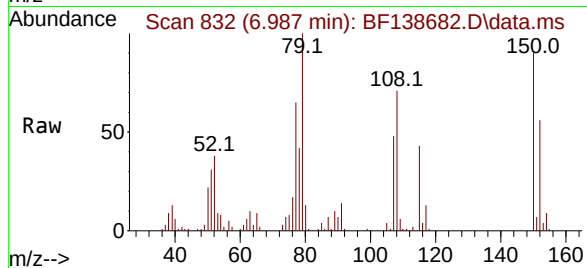
#15
Benzyl Alcohol
Concen: 10.267 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

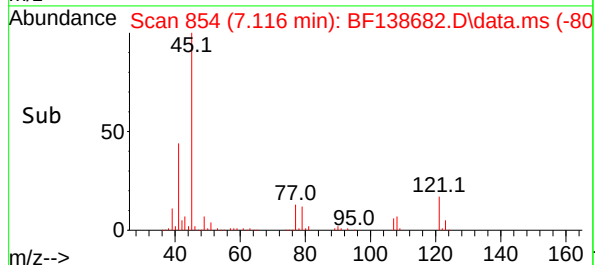
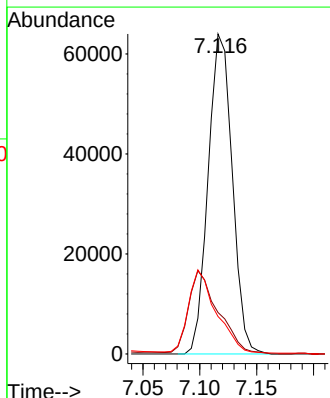
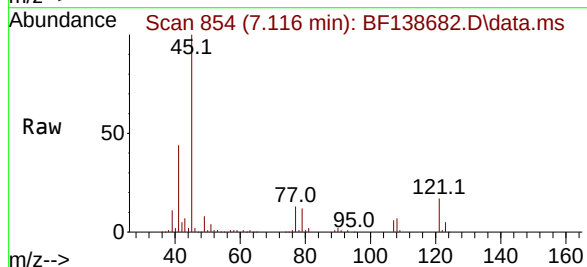
Manual Integrations
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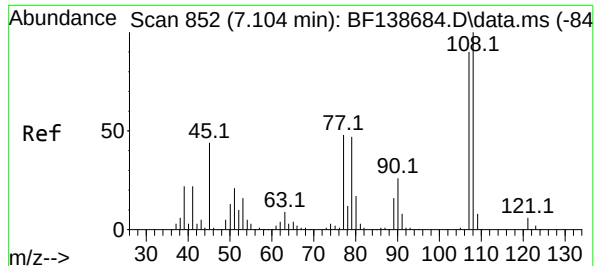
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

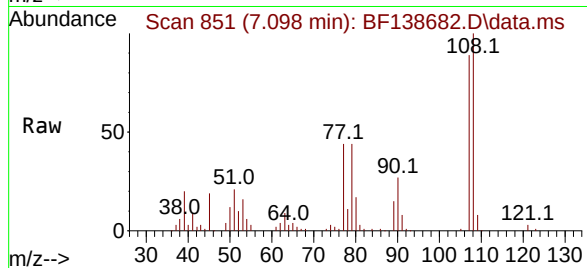
Tgt Ion: 45 Resp: 94469
Ion Ratio Lower Upper
45 100
77 13.0 0.0 34.9
79 11.7 0.0 32.2





#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

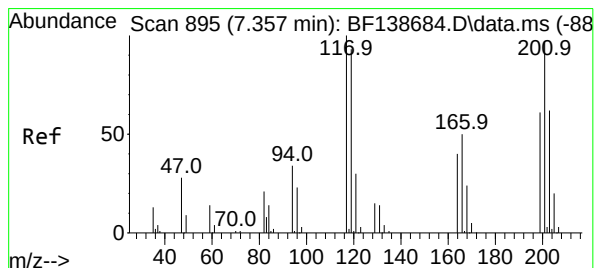
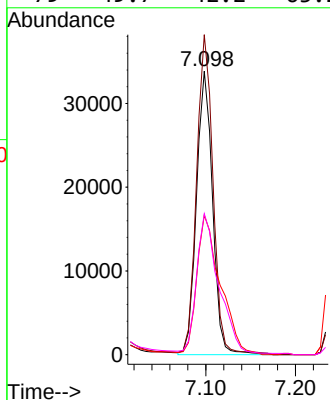
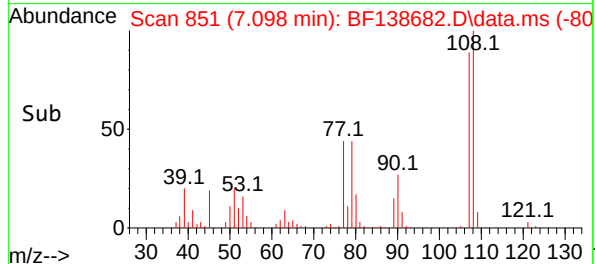
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



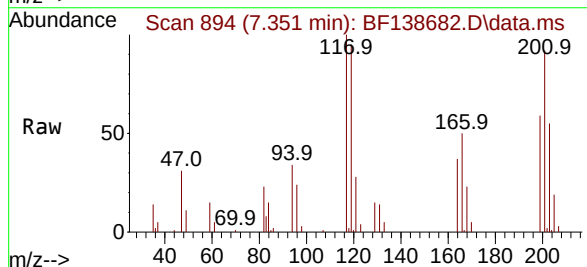
Tgt Ion:107 Resp: 4232
Ion Ratio Lower Upper
107 100
108 112.9 89.2 133.8
77 49.1 43.0 64.4
79 49.7 42.2 63.2

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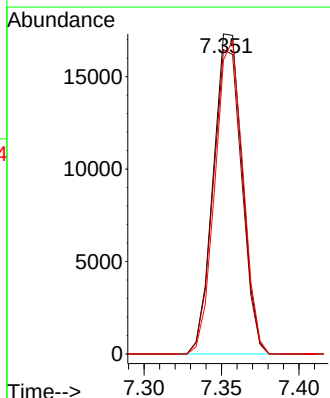
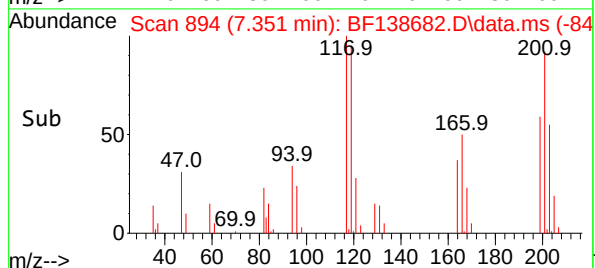
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

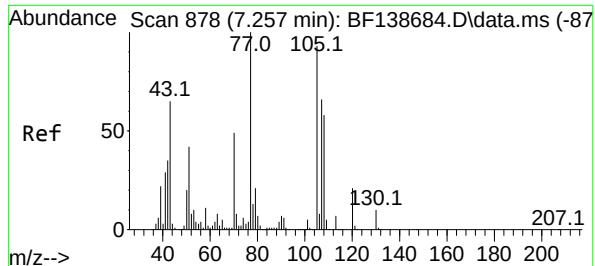


#18
Hexachloroethane
Concen: 10.598 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



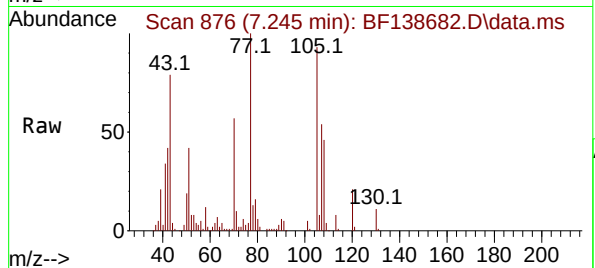
Tgt Ion:117 Resp: 22530
Ion Ratio Lower Upper
117 100
119 95.1 74.6 111.8
201 91.9 77.2 115.8





#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

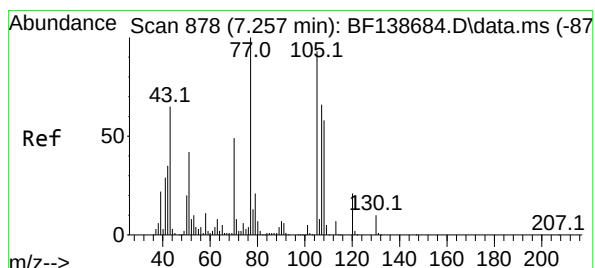
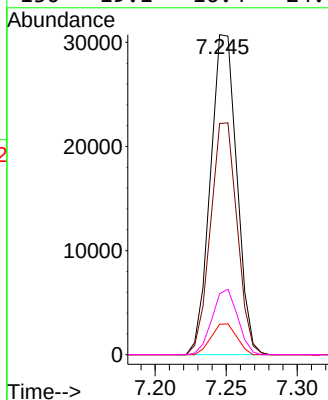
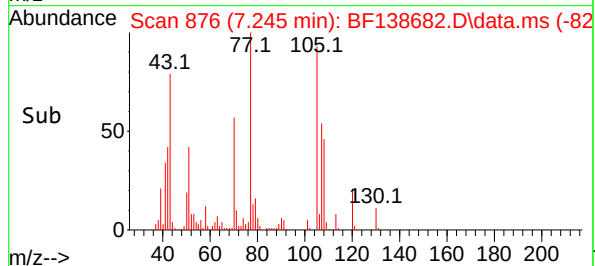
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



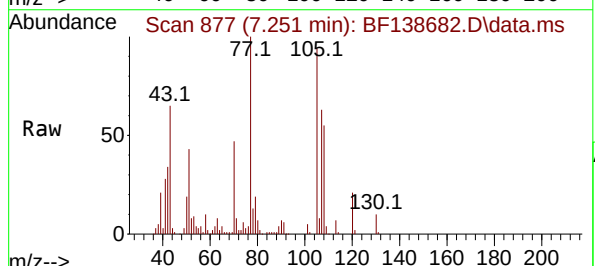
Tgt Ion: 70 Resp: 3986
Ion Ratio Lower Upper
70 100
42 72.3 57.4 86.0
101 9.5 7.5 11.3
130 19.1 16.4 24.6

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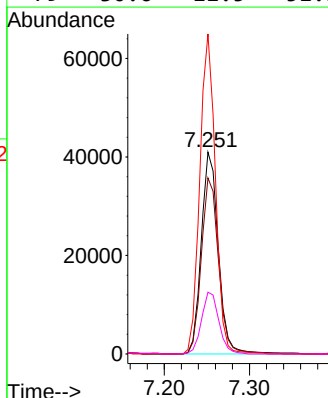
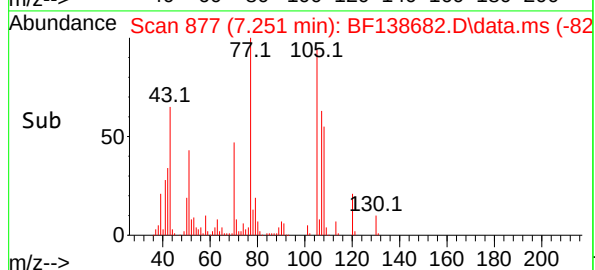
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

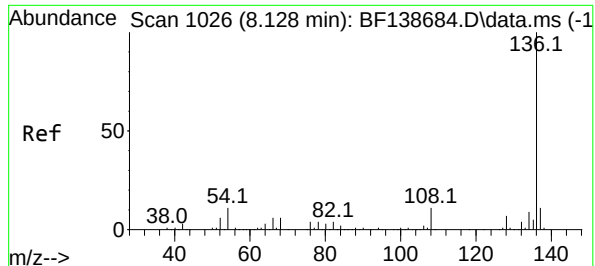


#20
3+4-Methylphenols
Concen: 10.760 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



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

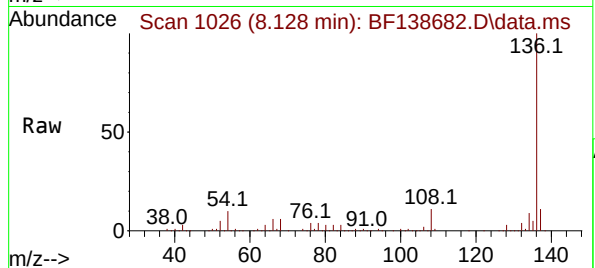
Acq: 30 Jul 2024 13:56

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

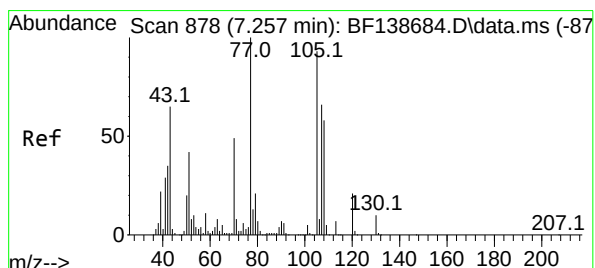
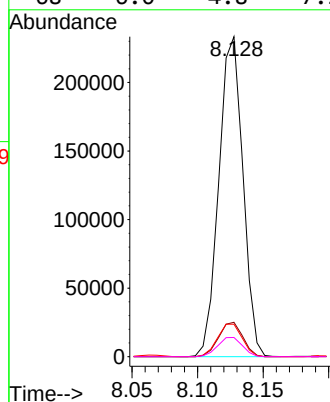
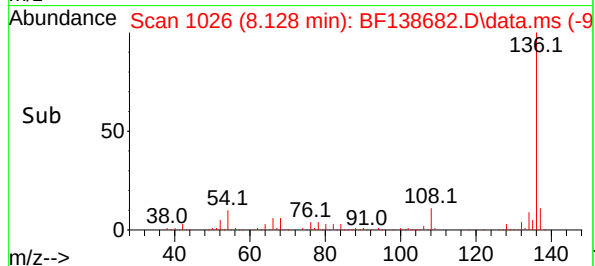
68 6.0 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#22

Acetophenone

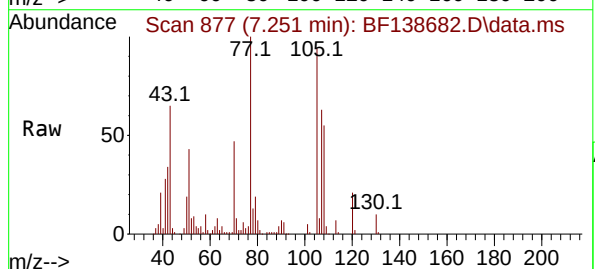
Concen: 10.404 ng

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

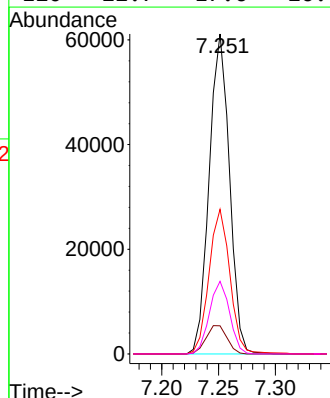
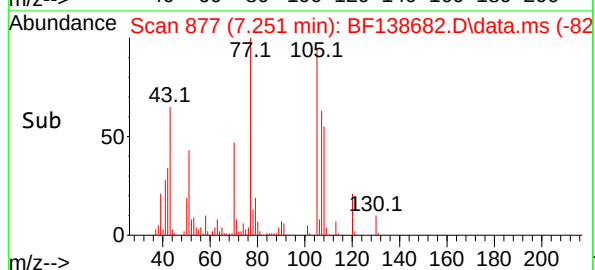
Ion Ratio Lower Upper

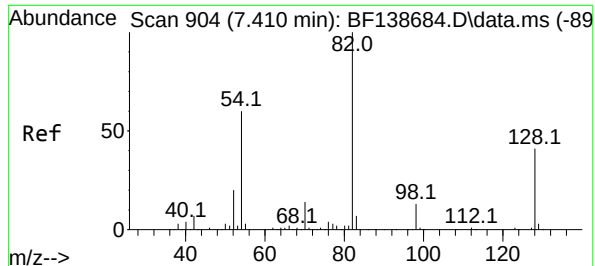
105 100

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

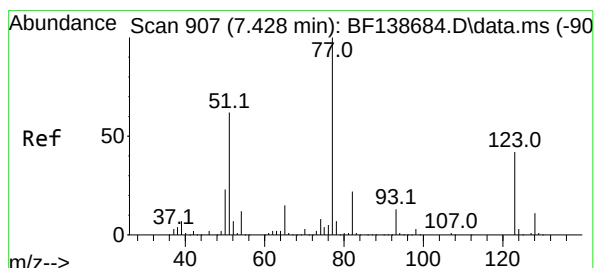
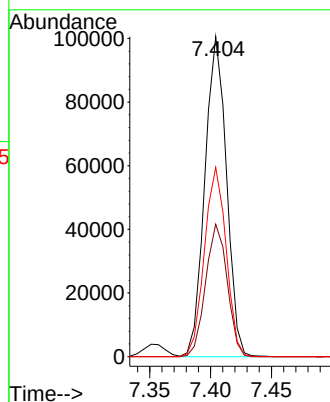
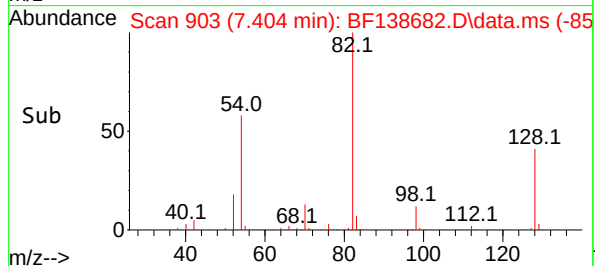
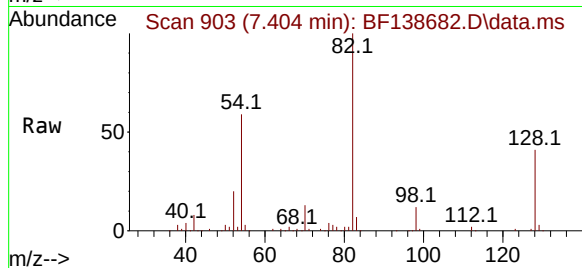
54 59.1 48.3 72.5

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

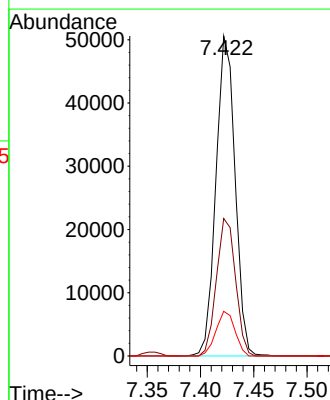
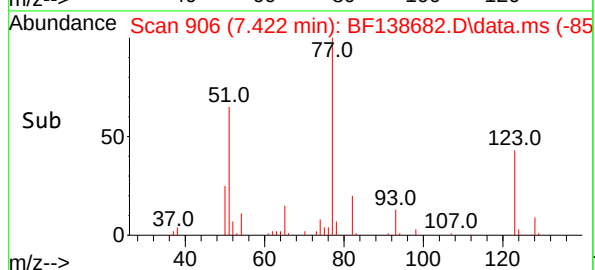
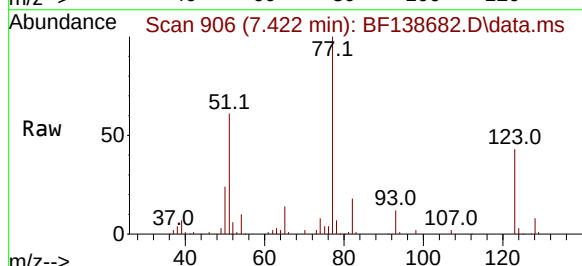
Tgt Ion: 77 Resp: 63020

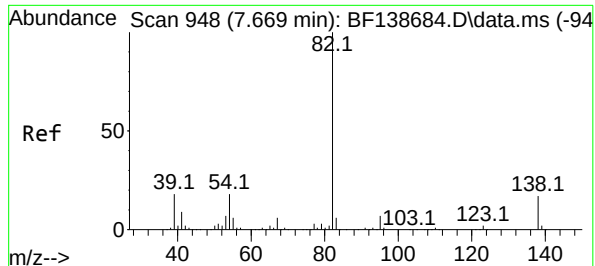
Ion Ratio Lower Upper

77 100

123 42.9 33.3 49.9

65 14.0 11.9 17.9





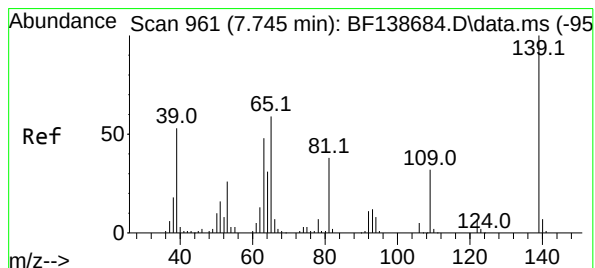
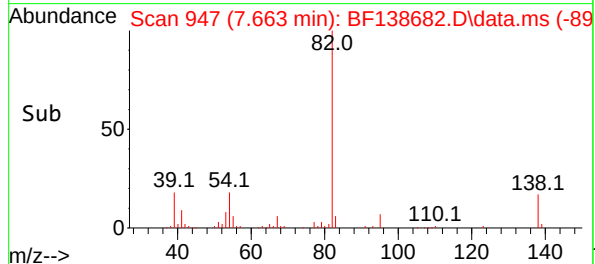
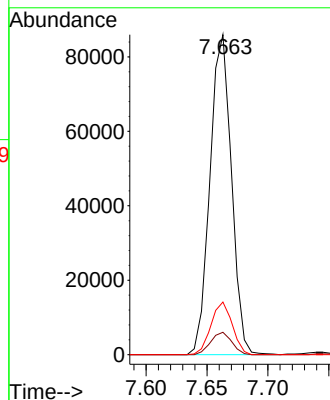
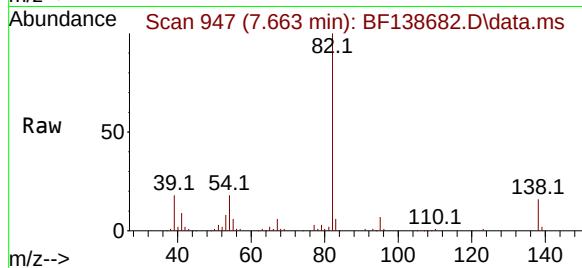
#25
Isophorone
Concen: 10.167 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

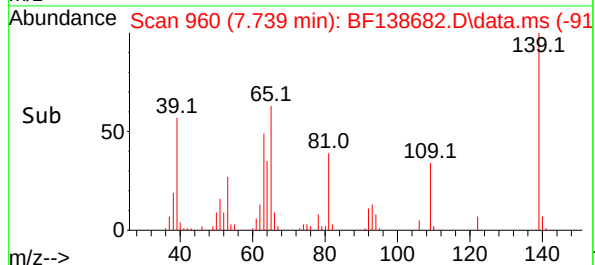
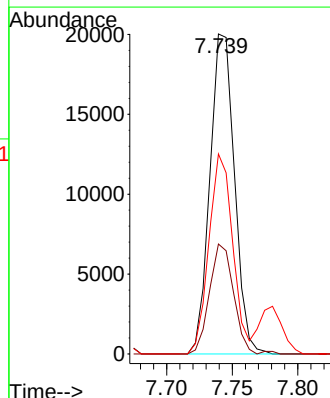
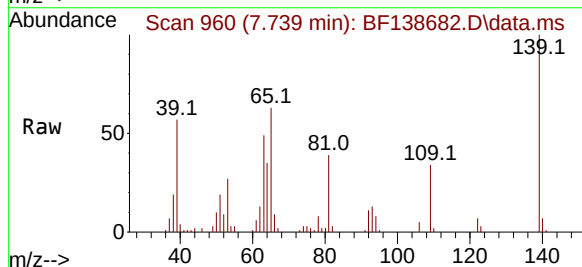
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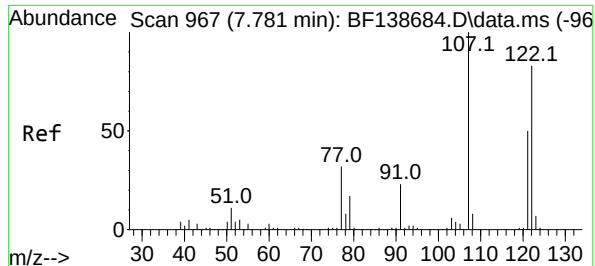
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

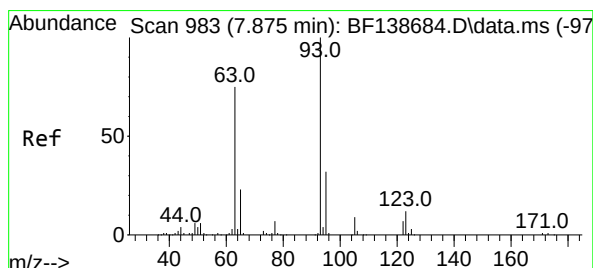
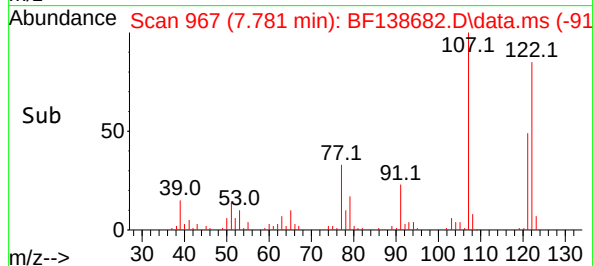
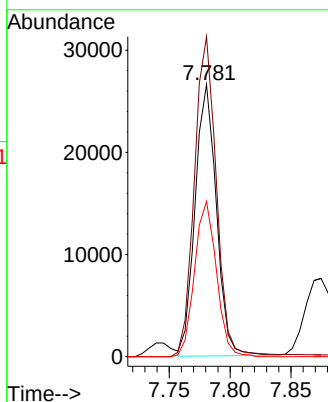
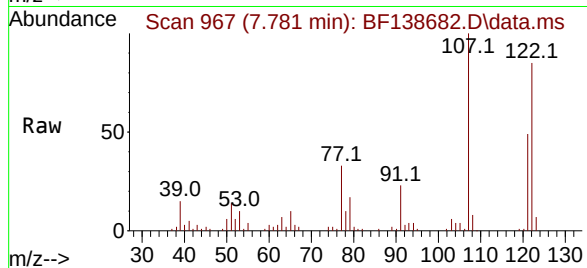
Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.6	95.0	142.6
121	57.1	47.3	70.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.191 ng

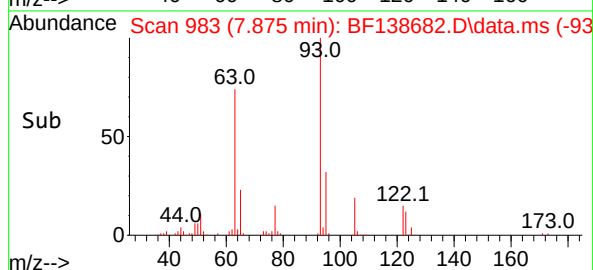
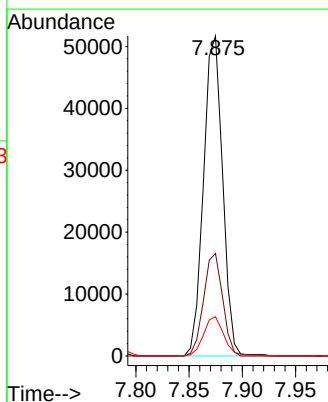
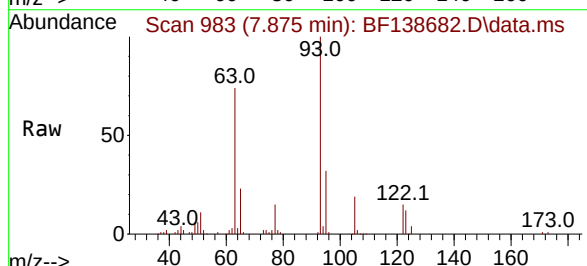
RT: 7.875 min Scan# 983

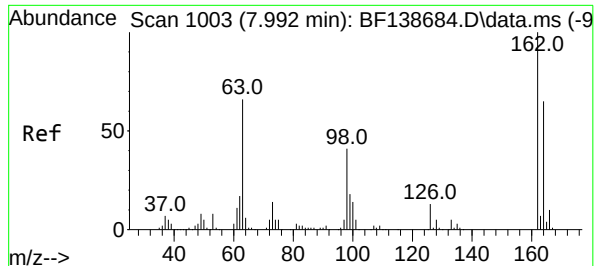
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Tgt Ion	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

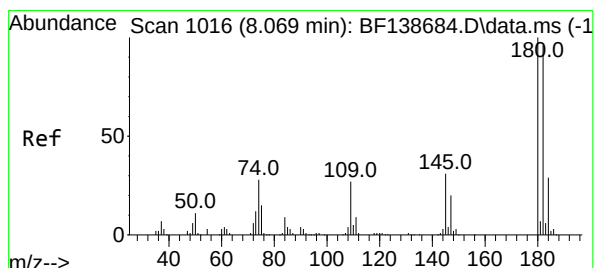
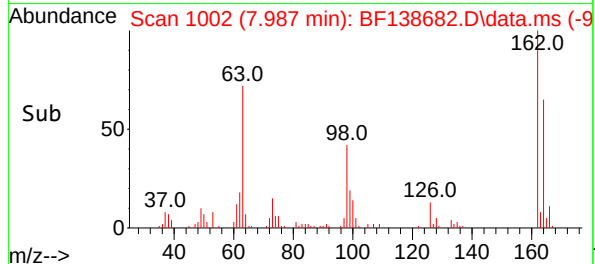
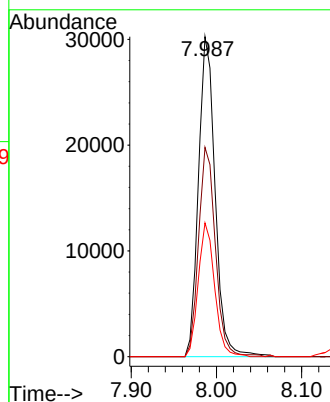
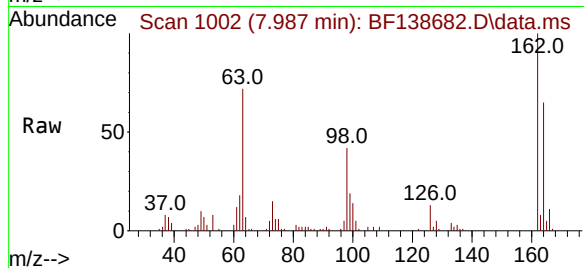
98 41.8 20.8 60.8

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

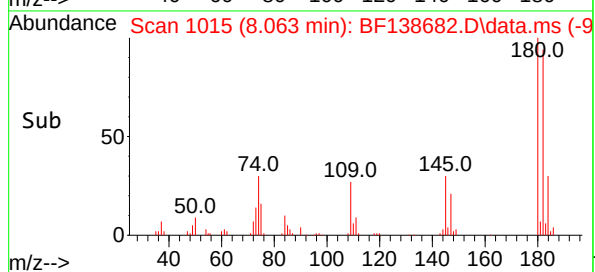
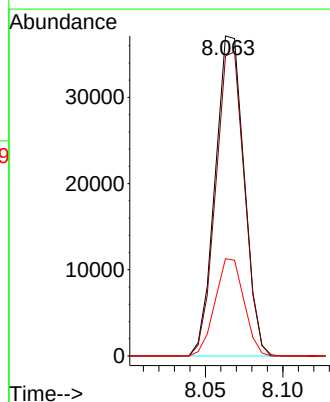
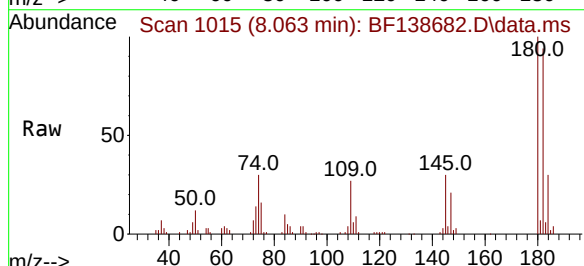
Tgt Ion:180 Resp: 48272

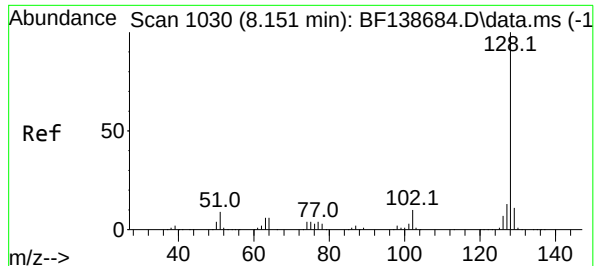
Ion Ratio Lower Upper

180 100

182 93.7 76.9 115.3

145 30.4 25.0 37.4





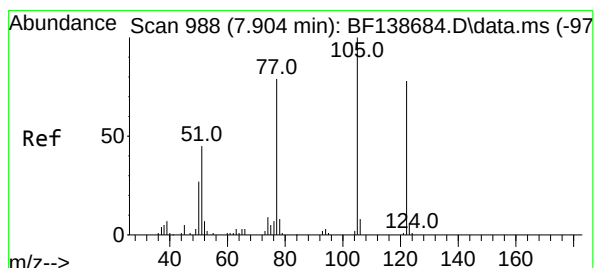
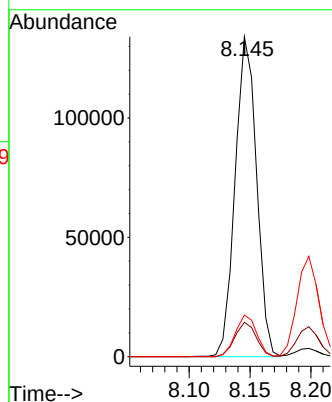
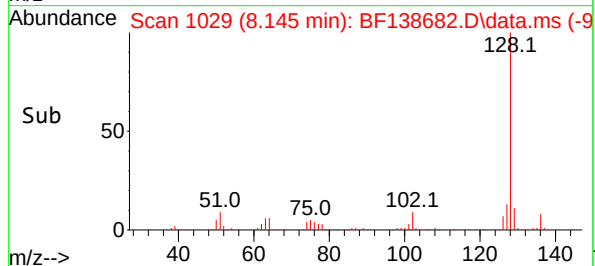
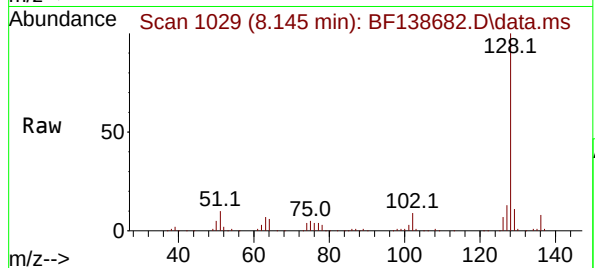
#31
Naphthalene
Concen: 10.469 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

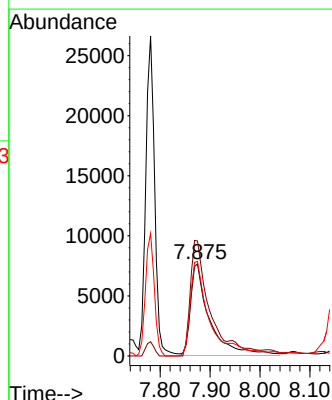
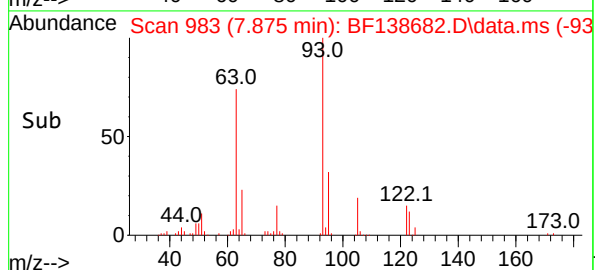
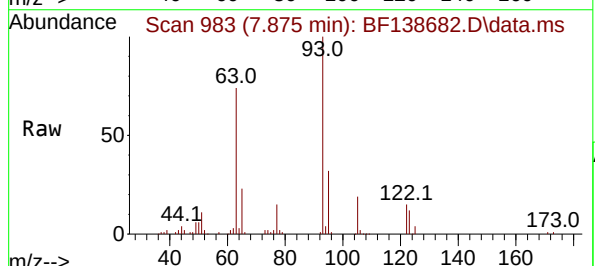
Manual Integrations
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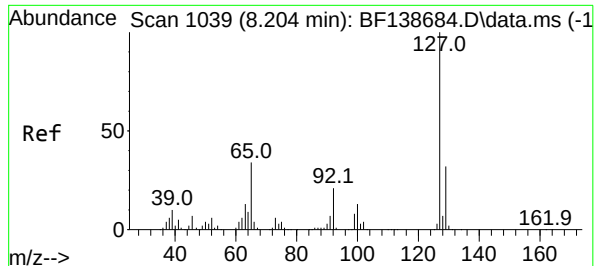
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

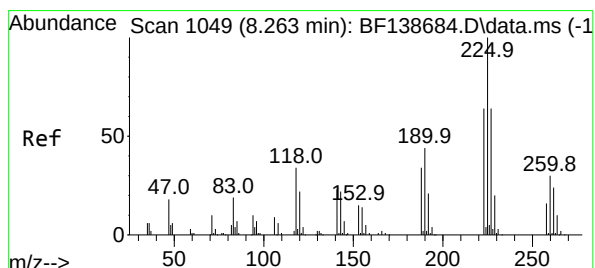
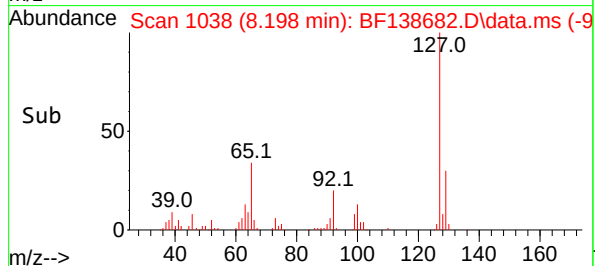
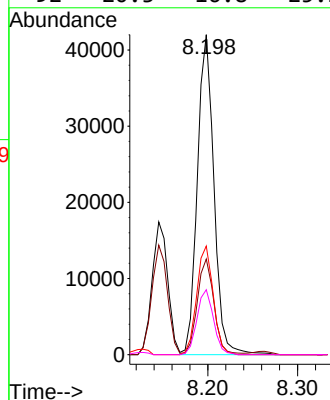
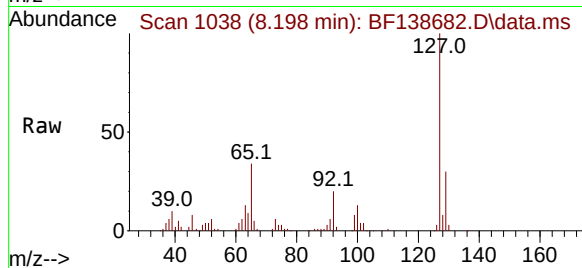
Tgt Ion:	127	Resp:	5400
Ion Ratio	Lower	Upper	
127	100		
129	29.9	25.9	38.9
65	33.9	27.6	41.4
92	20.3	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#34

Hexachlorobutadiene

Concen: 10.224 ng

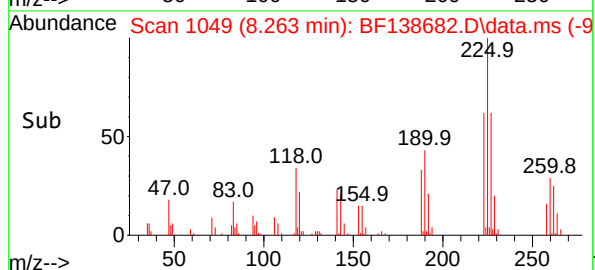
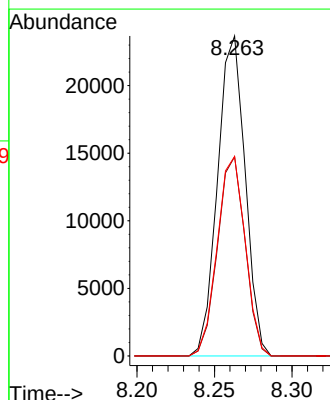
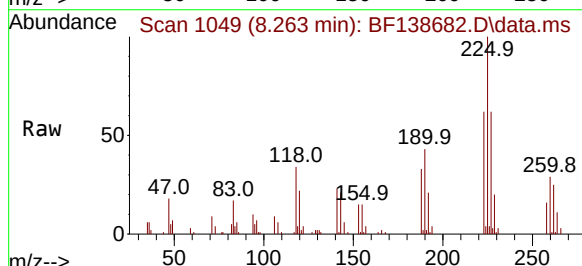
RT: 8.263 min Scan# 1049

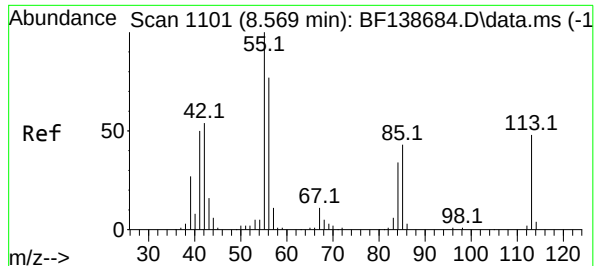
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

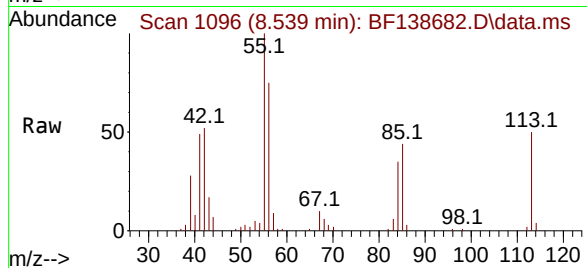
Tgt Ion:	225	Resp:	29309
Ion Ratio	Lower	Upper	
225	100		
223	62.3	51.2	76.8
227	62.4	51.1	76.7





#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

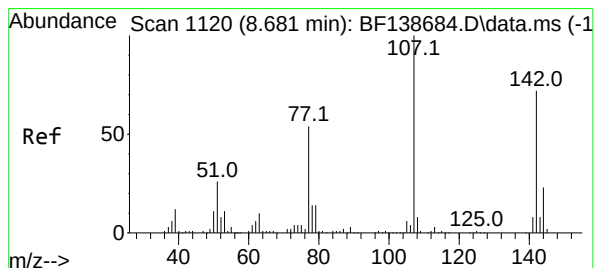
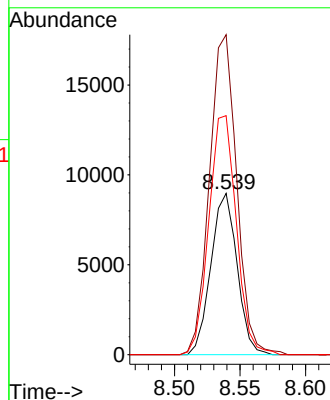
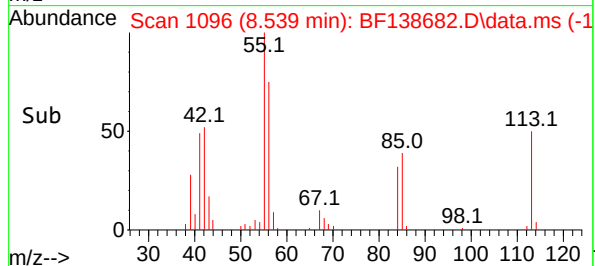
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

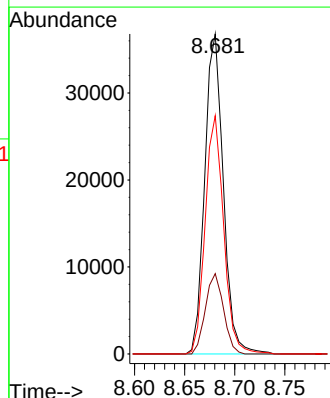
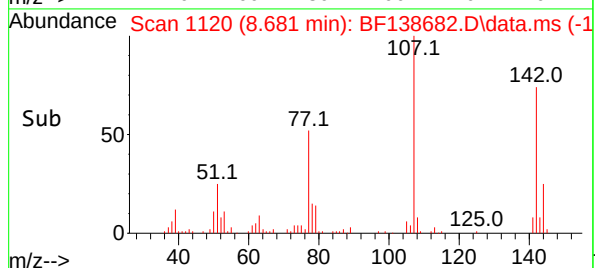
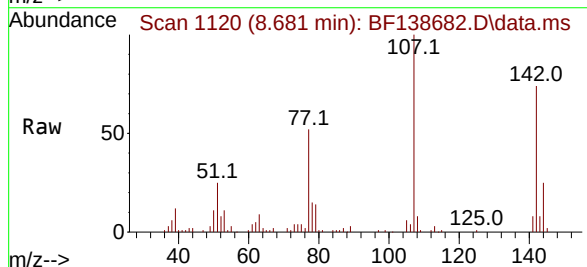
Manual Integrations
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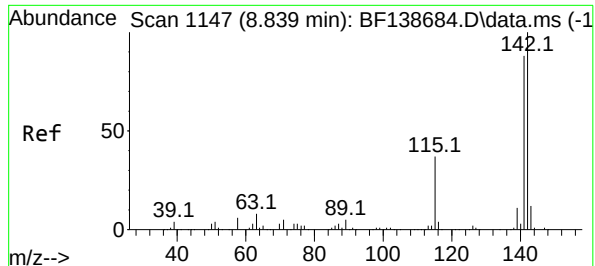
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

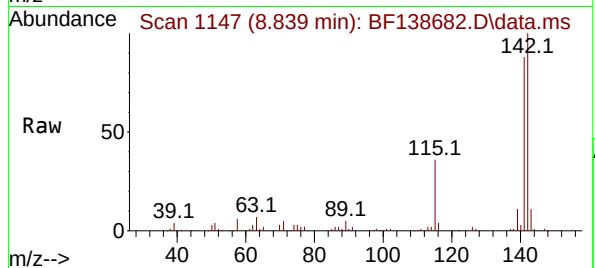
Tgt Ion:107 Resp: 47584
Ion Ratio Lower Upper
107 100
144 25.1 18.2 27.2
142 74.5 57.4 86.2





#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

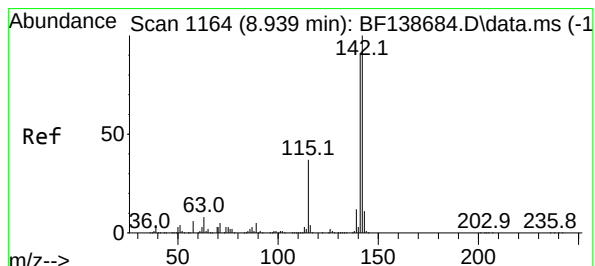
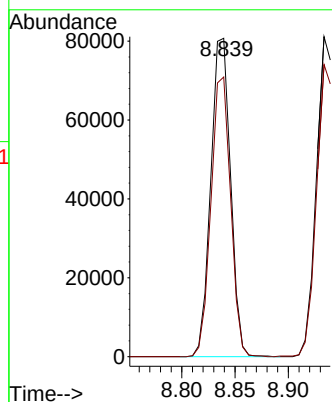
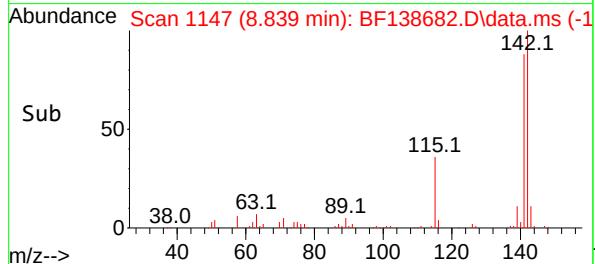
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

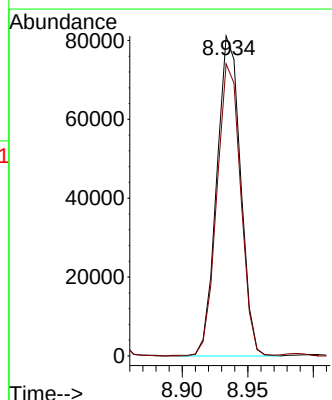
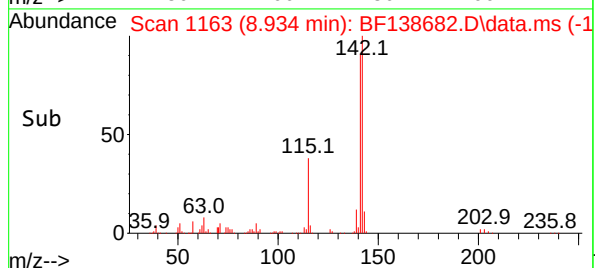
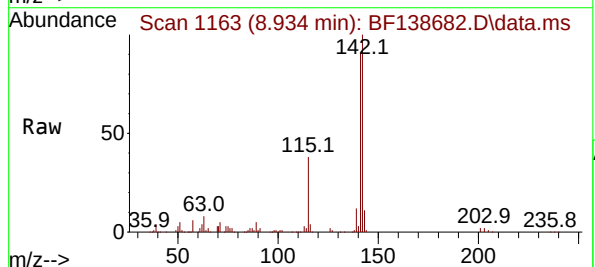
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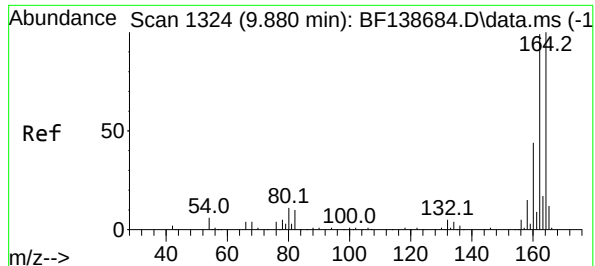
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

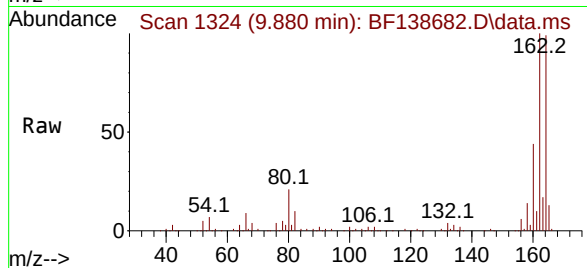
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 16224

Ion Ratio Lower Upper

164 100

162 101.3 79.4 119.0

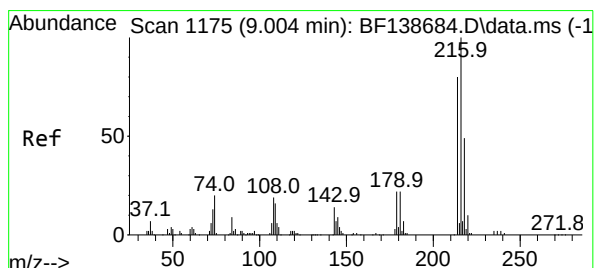
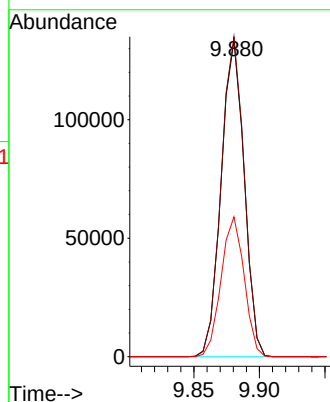
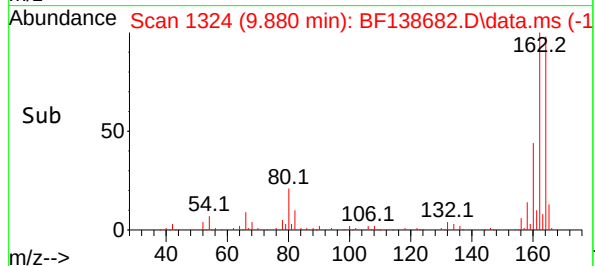
160 44.3 35.1 52.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#40

1,2,4,5-Tetrachlorobenzene

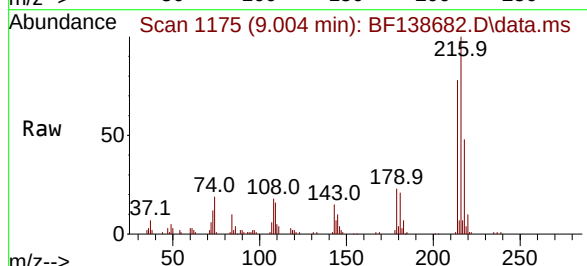
Concen: 10.082 ng

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

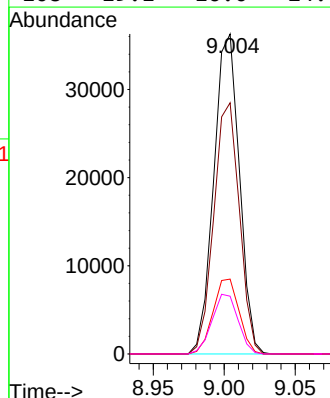
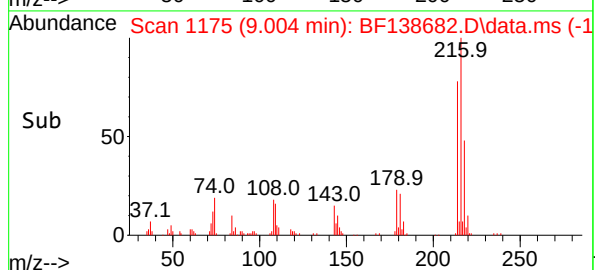
Ion Ratio Lower Upper

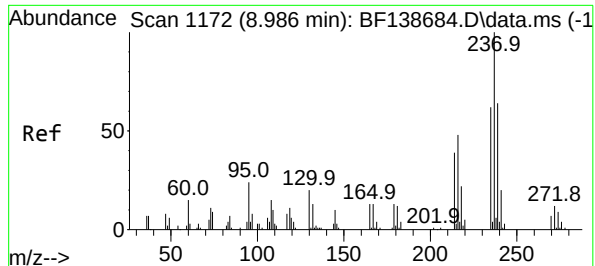
216 100

214 78.4 63.9 95.9

179 23.9 17.8 26.6

108 19.1 16.0 24.0





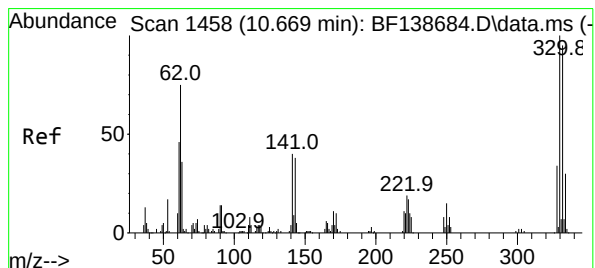
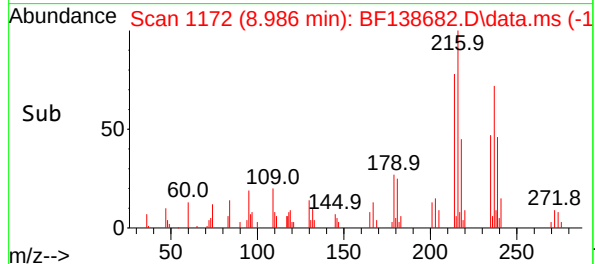
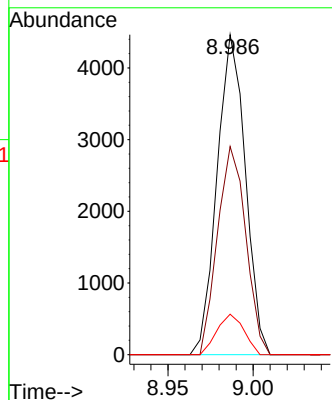
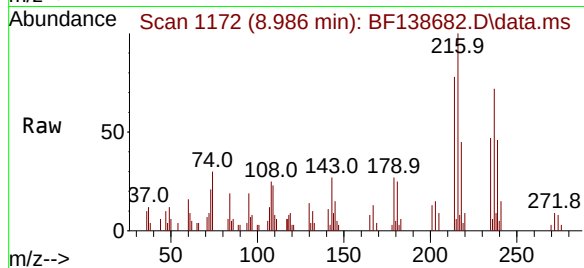
#41
Hexachlorocyclopentadiene
Concen: 10.915 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

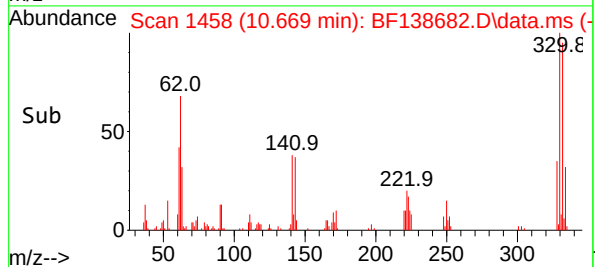
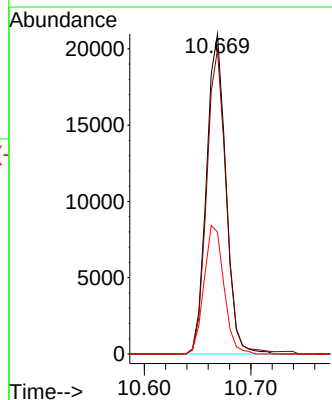
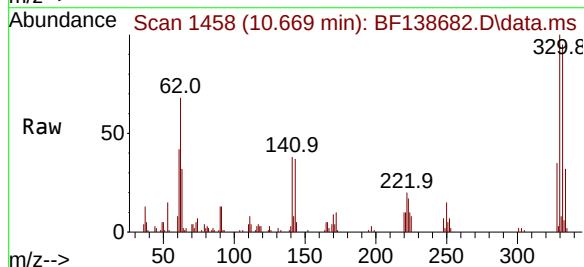
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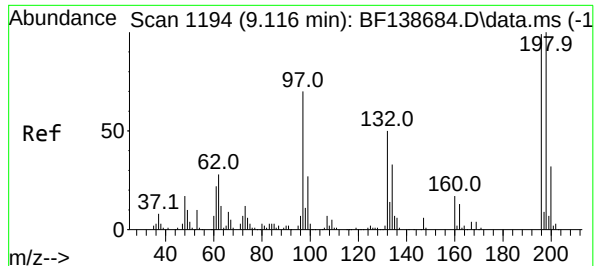
Reviewed By : Yogesh Patel 07/31/2024
Supervised By : mohammad ahmed 07/31/2024



#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

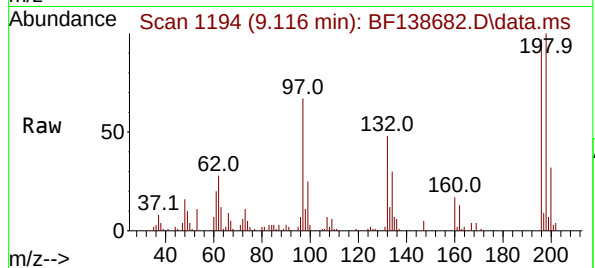
Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 27439

Ion Ratio Lower Upper

196 100

198 102.7 80.5 120.7

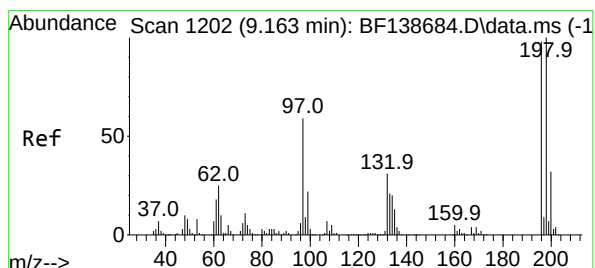
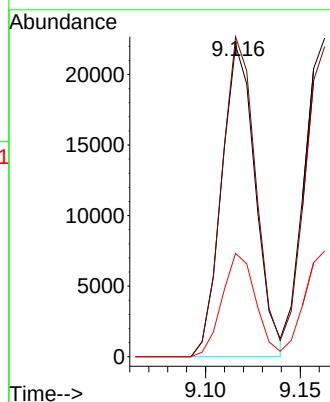
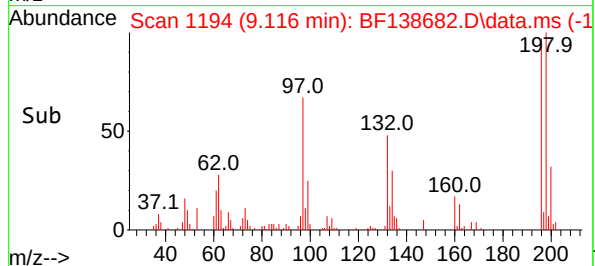
200 33.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#44

2,4,5-Trichlorophenol

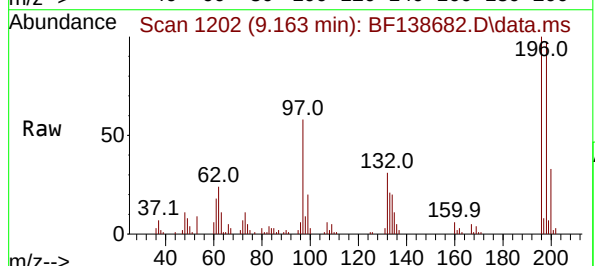
Concen: 10.247 ng

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

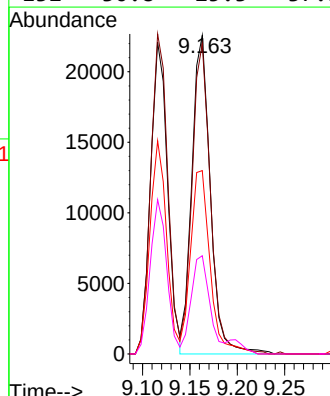
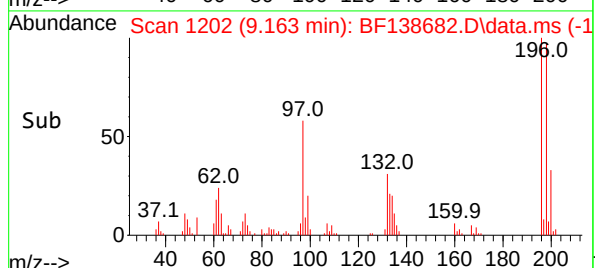
Ion Ratio Lower Upper

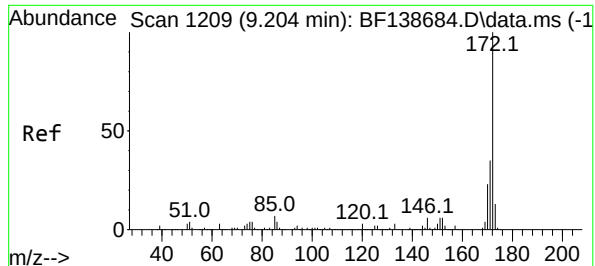
196 100

198 97.4 81.2 121.8

97 57.6 47.8 71.6

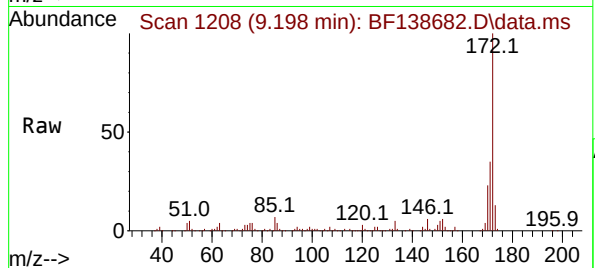
132 30.8 25.3 37.9





#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

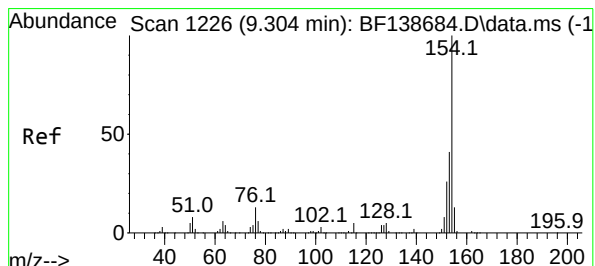
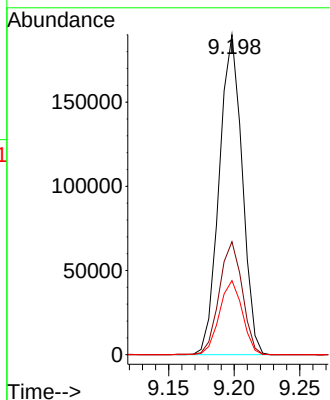
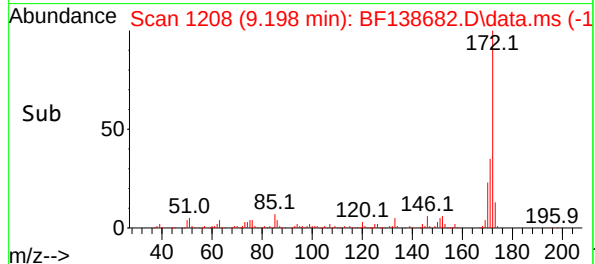
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



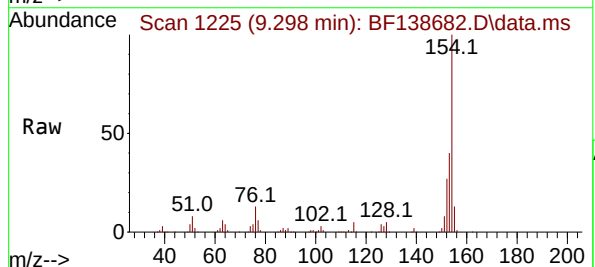
Tgt Ion:172 Resp: 231000
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.2 18.8 28.2

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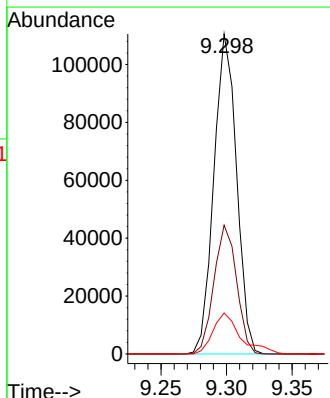
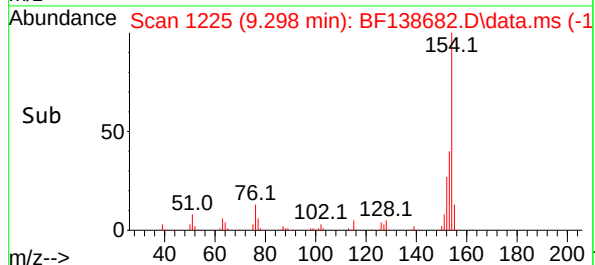
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

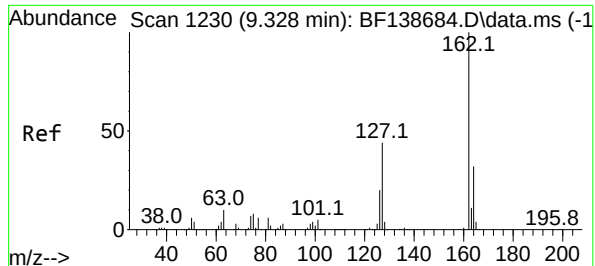


#46
1,1'-Biphenyl
Concen: 10.441 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



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 :

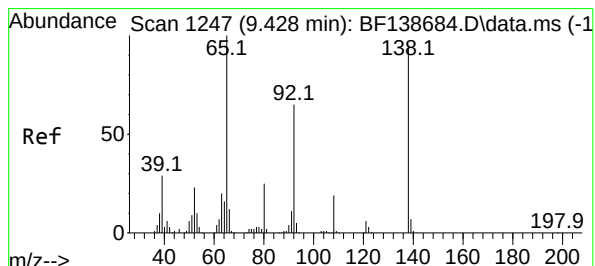
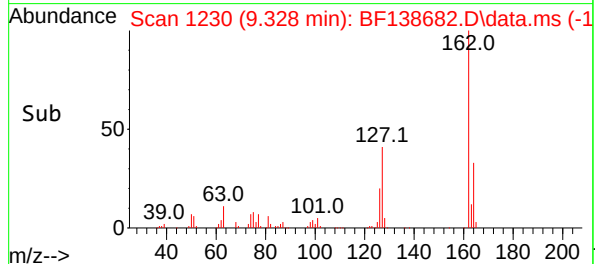
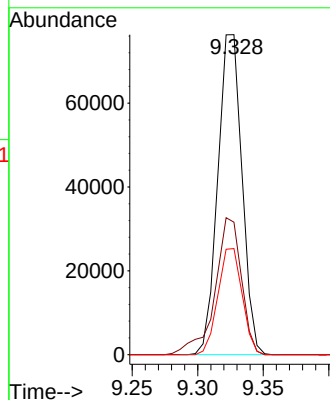
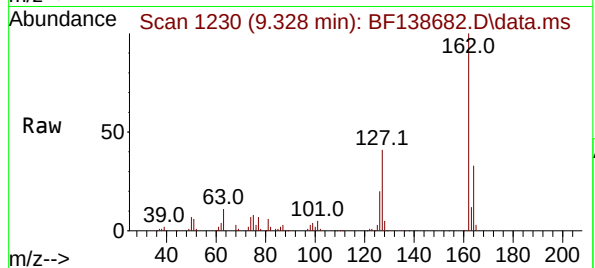
SSTDICC010

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

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



#48

2-Nitroaniline

Concen: 10.216 ng

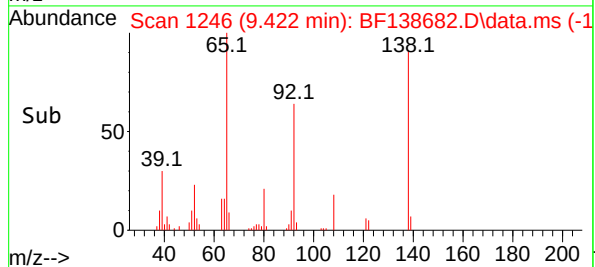
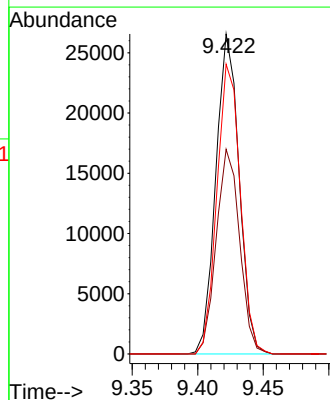
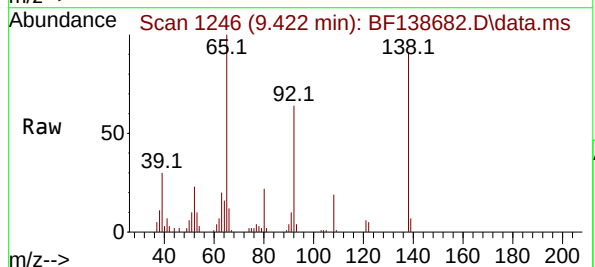
RT: 9.422 min Scan# 1246

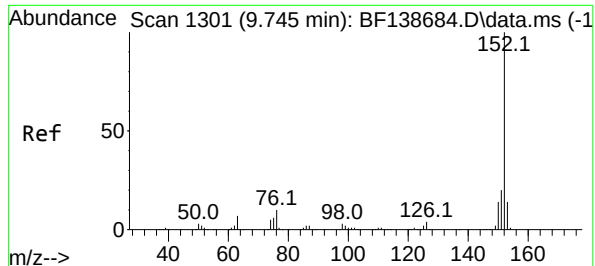
Delta R.T. -0.006 min

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

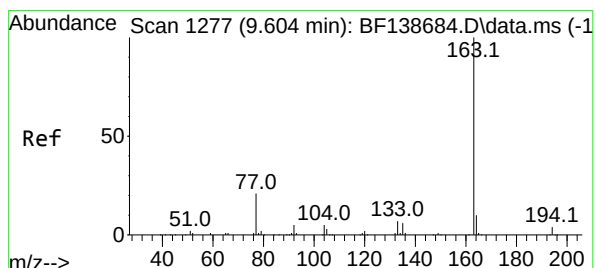
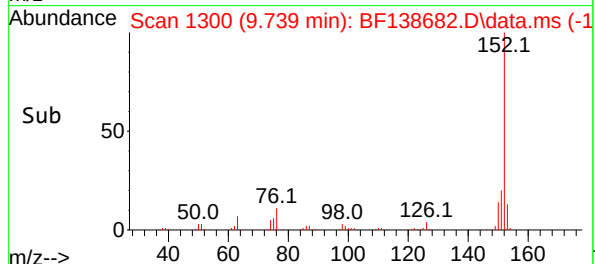
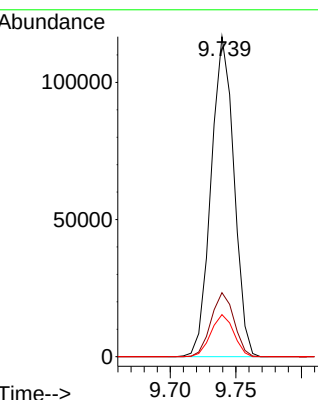
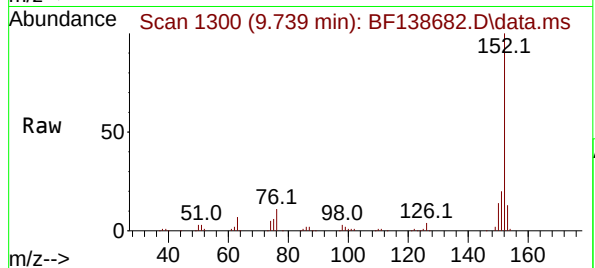
153 13.2 11.0 16.4

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

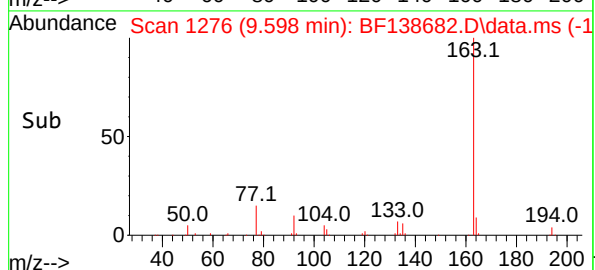
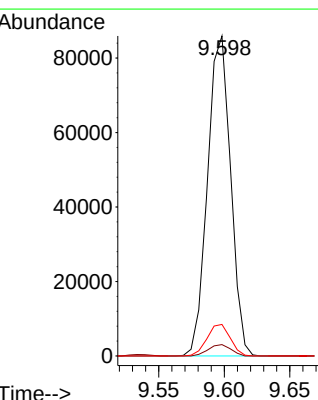
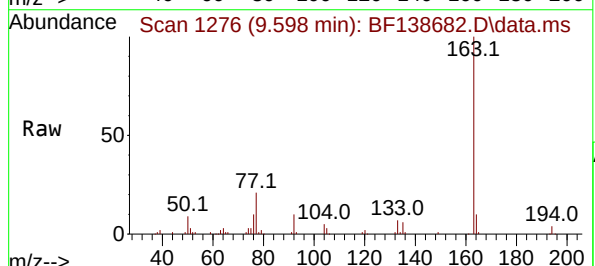
Tgt Ion:163 Resp: 105187

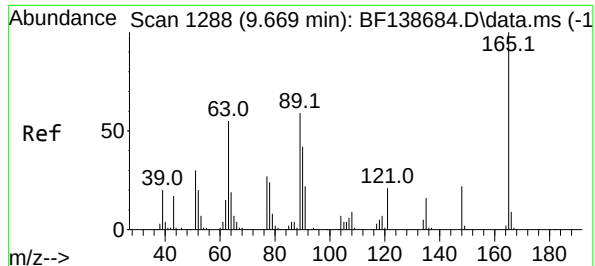
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

164 9.8 7.8 11.8





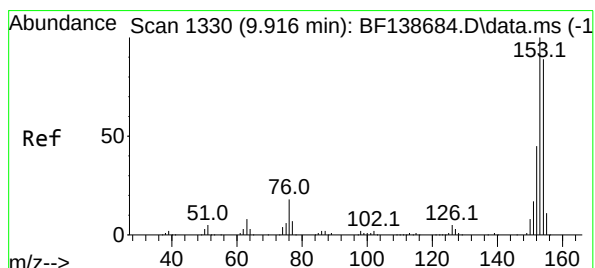
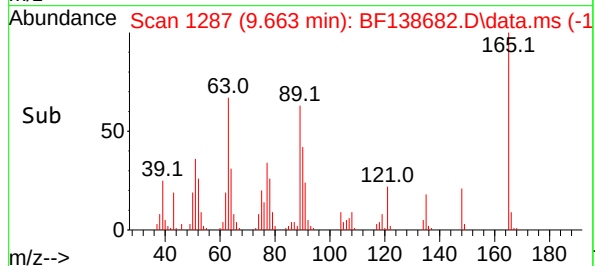
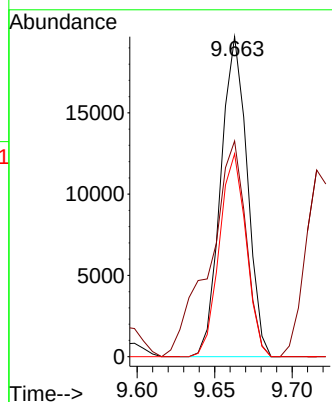
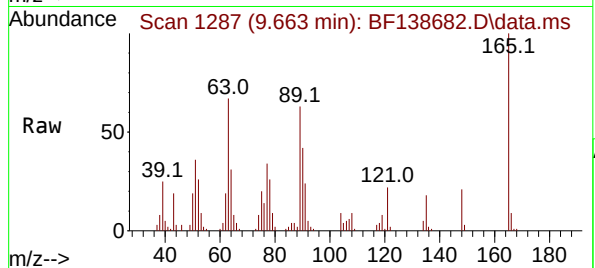
#51
2,6-Dinitrotoluene
Concen: 9.974 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

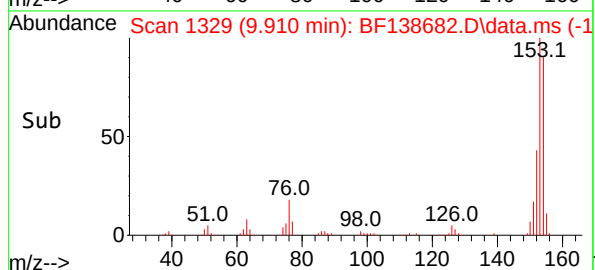
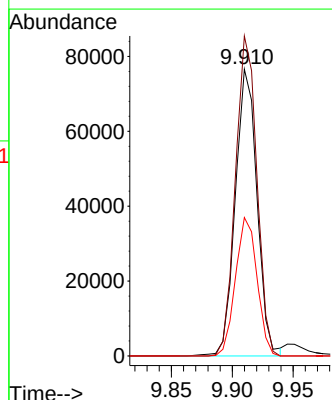
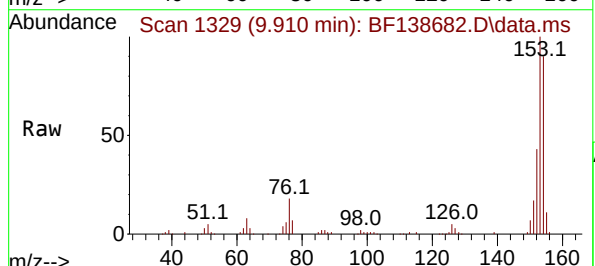
Manual Integrations
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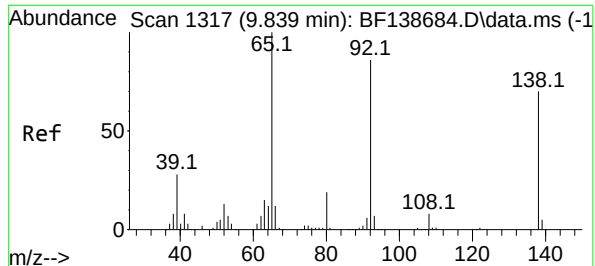
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

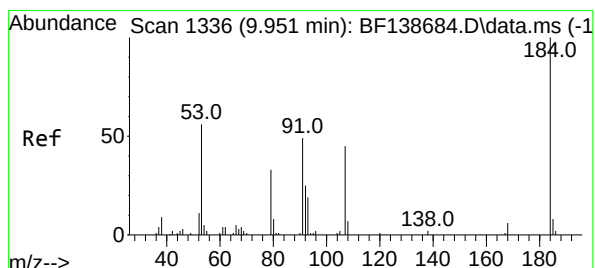
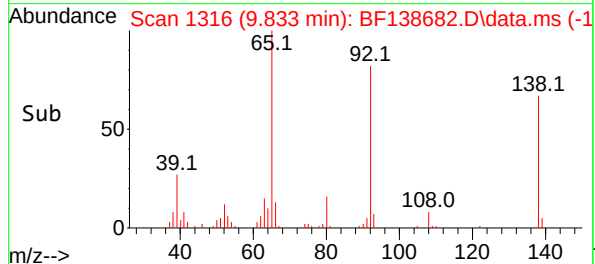
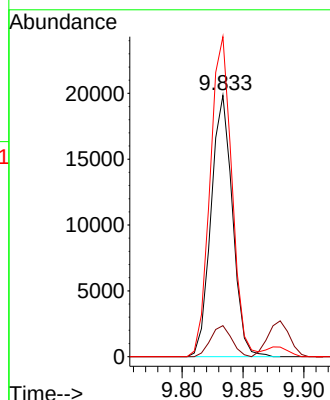
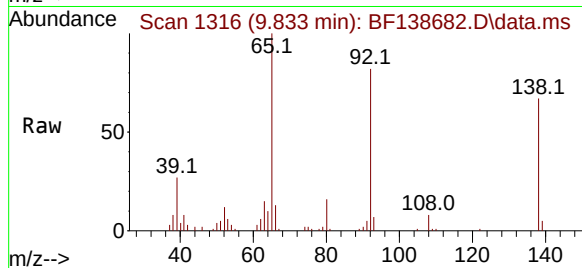
ClientSampleId :

SSTDICC010

Tgt Ion:138 Resp: 2435
Ion Ratio Lower Upper
138 100
108 11.9 9.1 13.7
92 122.5 98.7 148.1

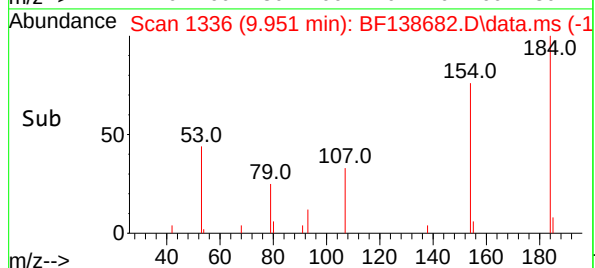
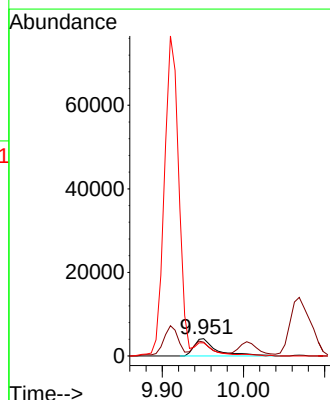
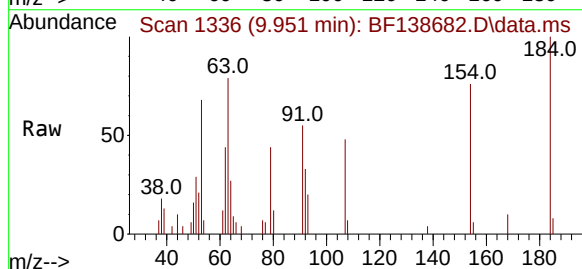
Manual Integrations
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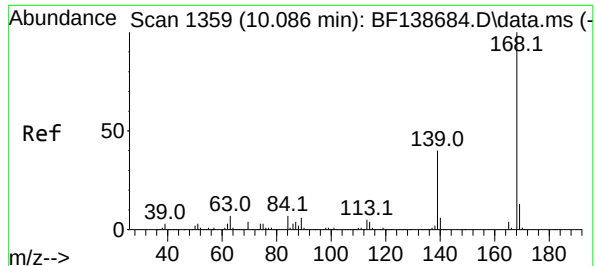
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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:184 Resp: 7908
Ion Ratio Lower Upper
184 100
63 79.4 57.5 86.3
154 75.8 51.7 77.5





#55

Dibenzenofuran

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

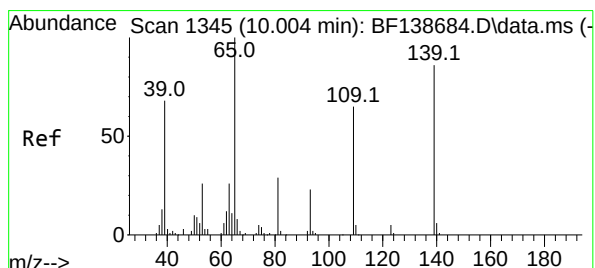
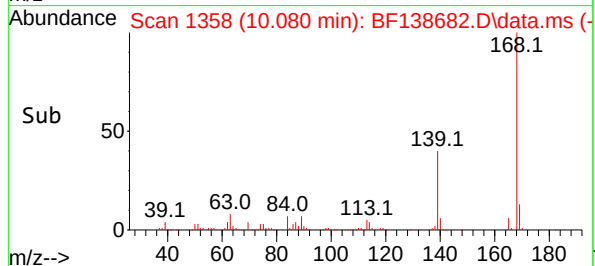
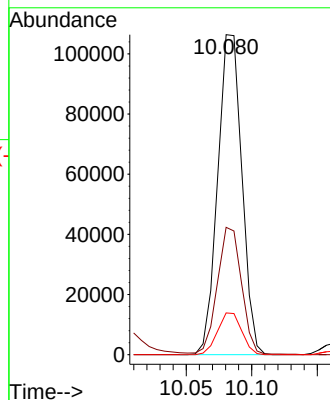
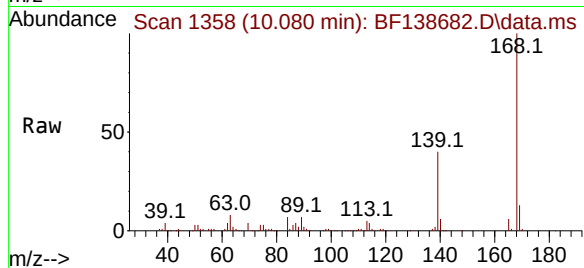
169 13.0 10.7 16.1

Manual Integrations

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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

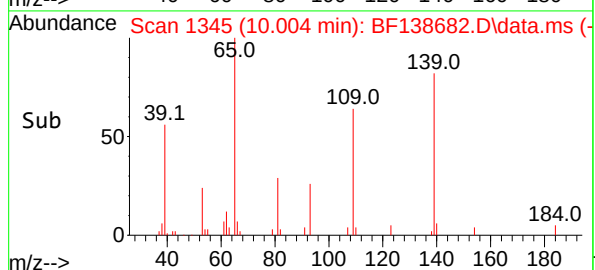
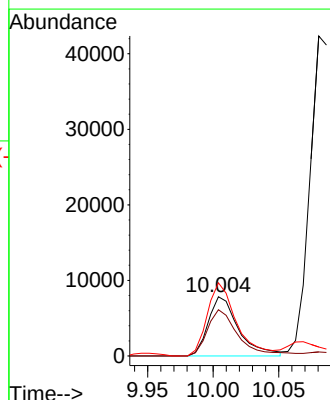
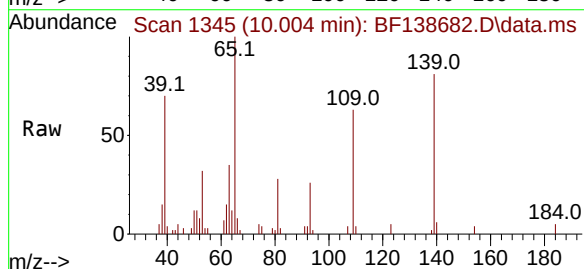
Tgt Ion:139 Resp: 12643

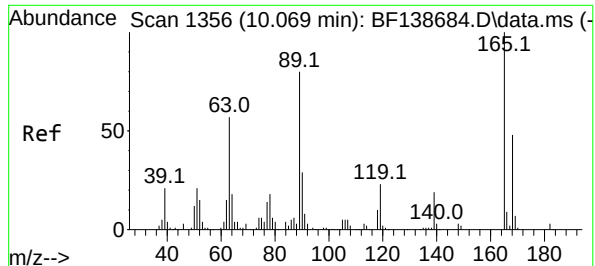
Ion Ratio Lower Upper

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 :

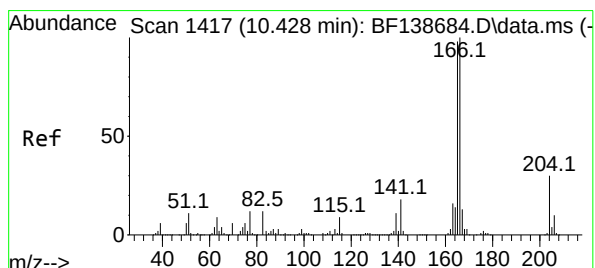
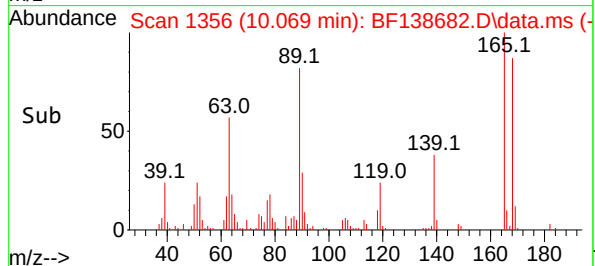
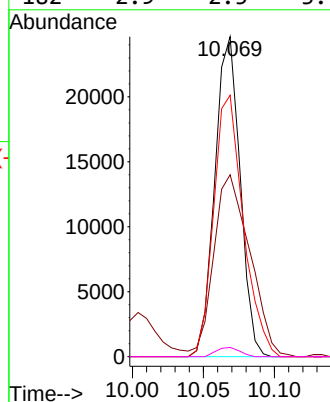
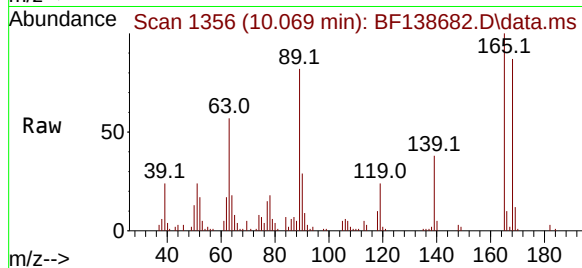
SSTDICC010

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

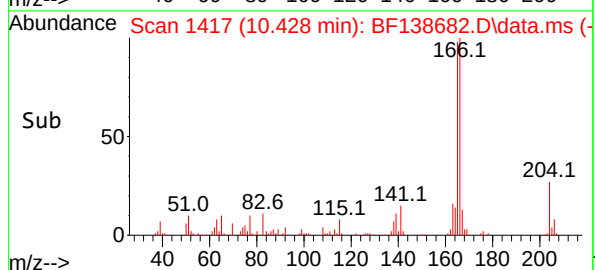
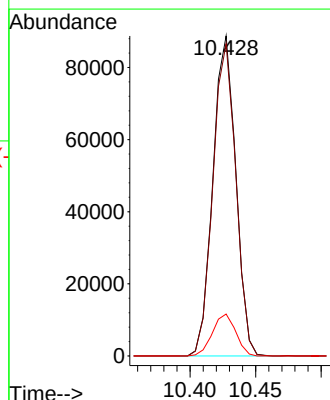
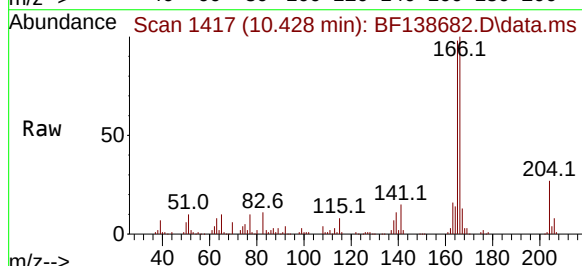
APPROVED

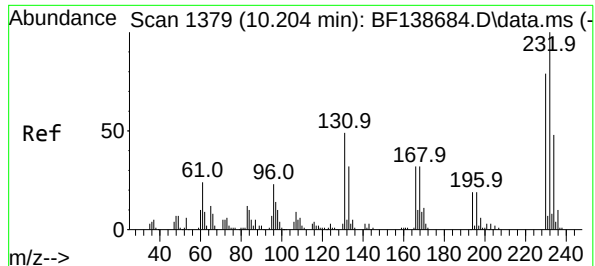
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

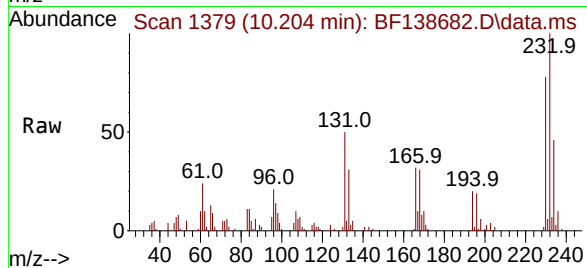
Tgt Ion:166 Resp: 107585
Ion Ratio Lower Upper
166 100
165 97.6 78.4 117.6
167 13.1 10.6 16.0





#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

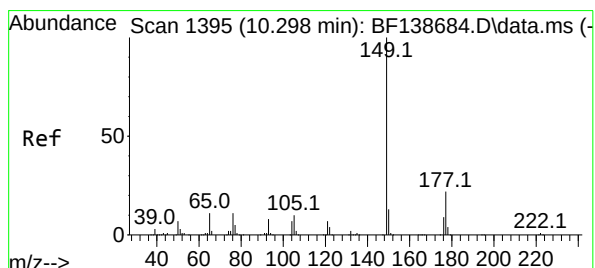
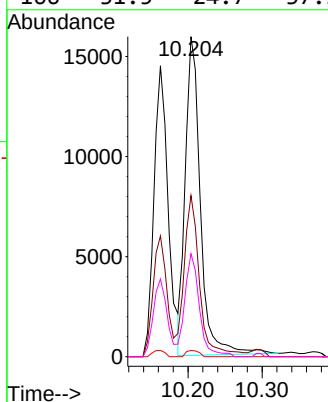
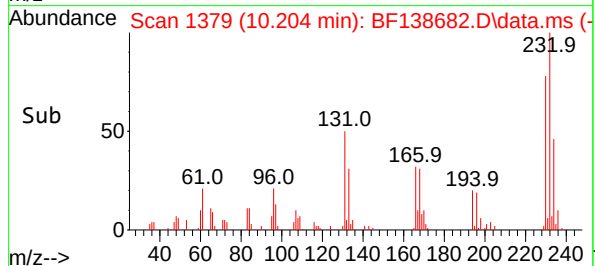
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

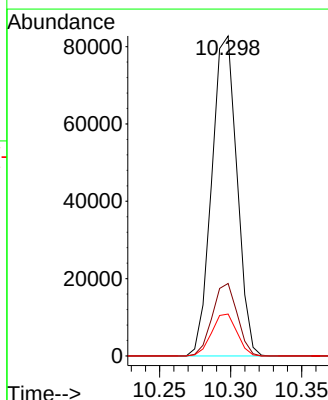
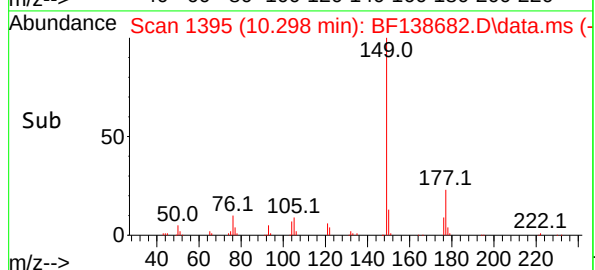
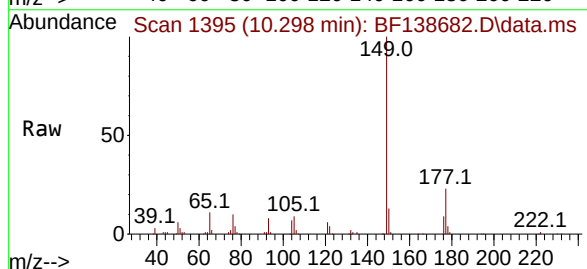
Manual Integrations
APPROVED

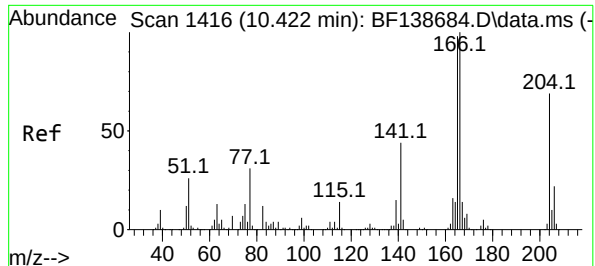
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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





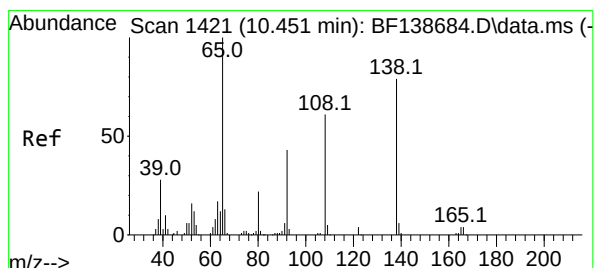
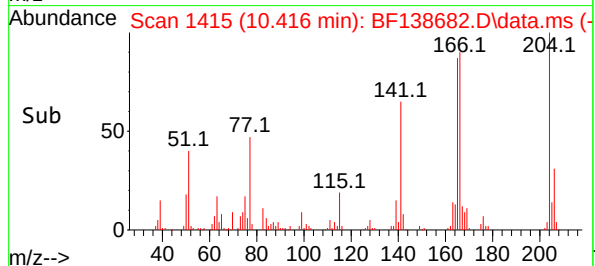
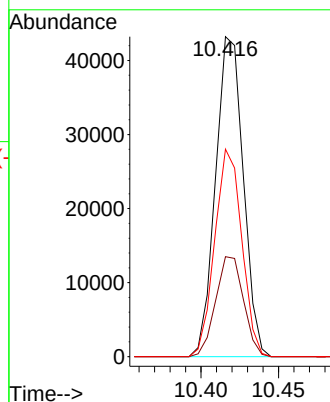
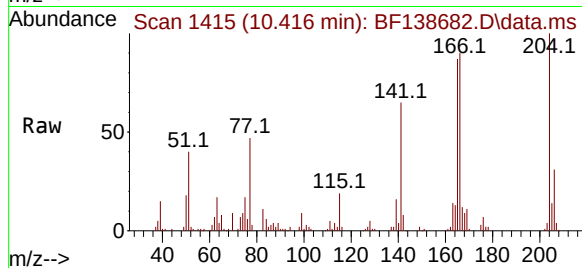
#61
4-Chlorophenyl-phenylether
Concen: 10.814 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

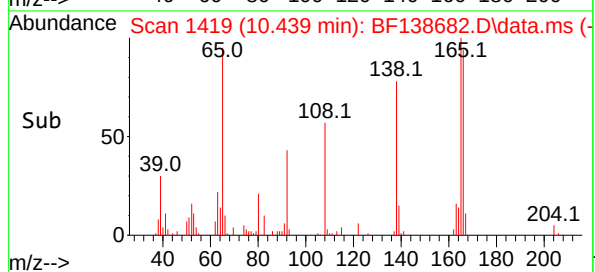
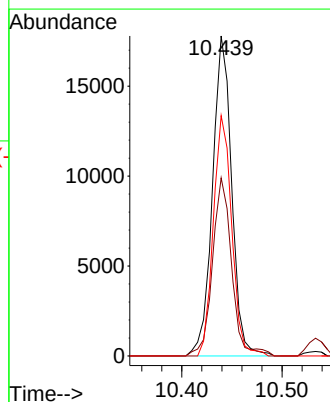
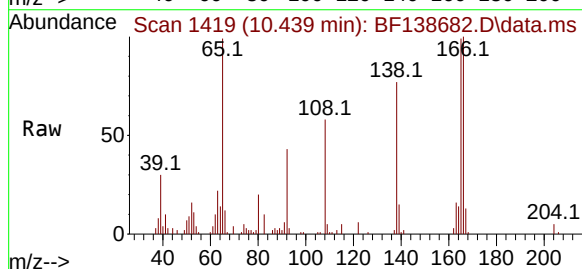
Manual Integrations
APPROVED

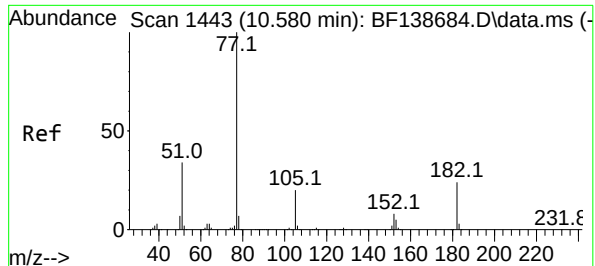
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

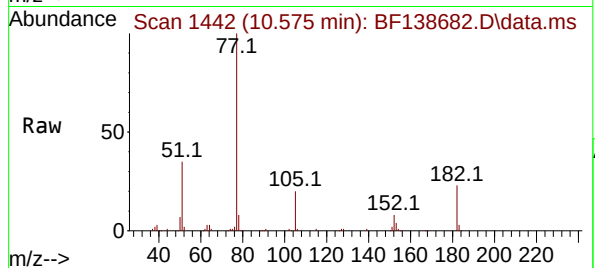
Tgt Ion:138 Resp: 23653
Ion Ratio Lower Upper
138 100
92 55.6 34.2 74.2
108 75.1 56.2 96.2





#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

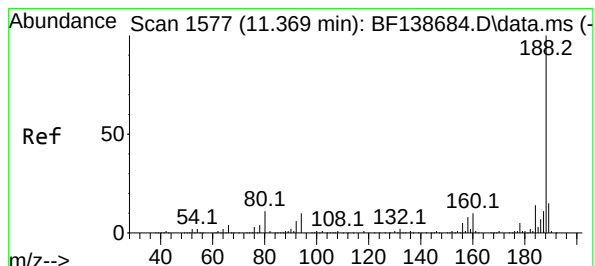
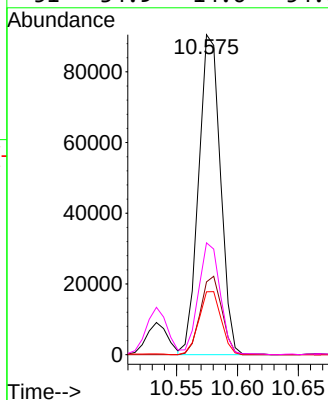
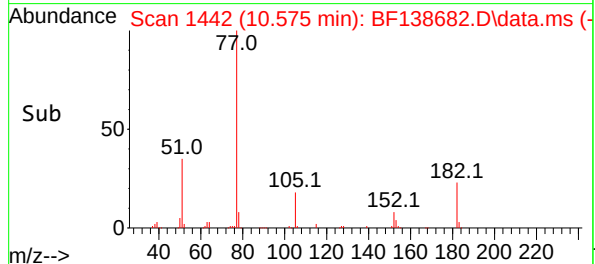
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

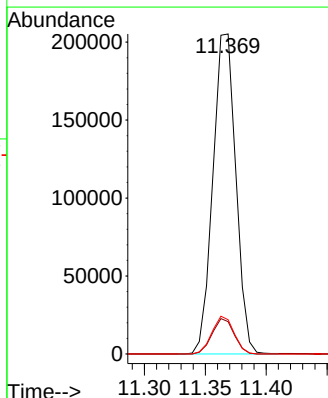
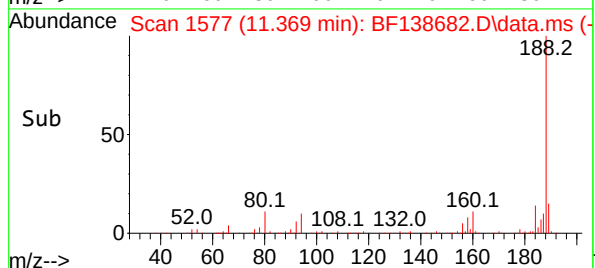
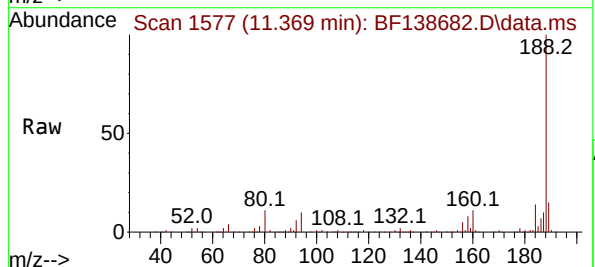
Manual Integrations
APPROVED

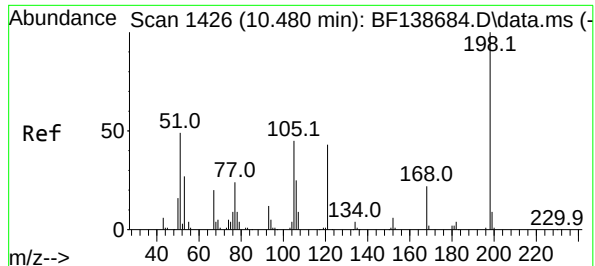
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

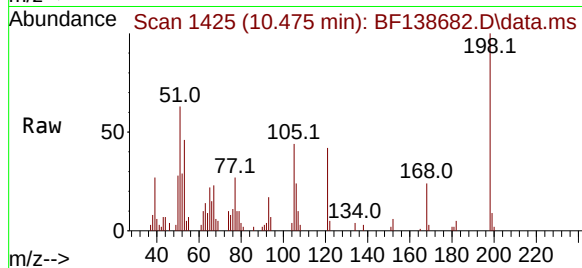
Tgt Ion:188 Resp: 269225
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 10.7 8.6 12.8





#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

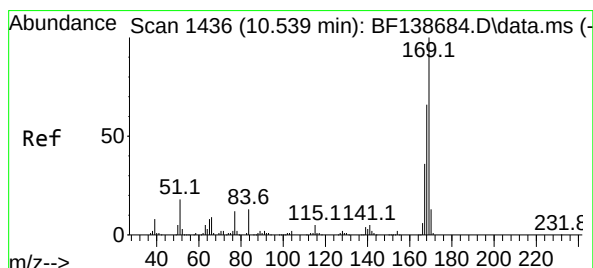
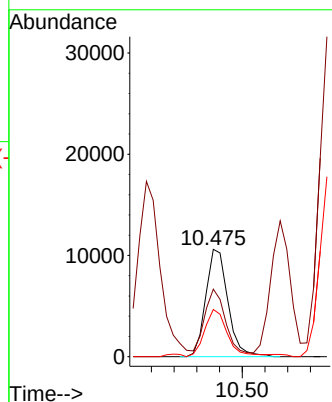
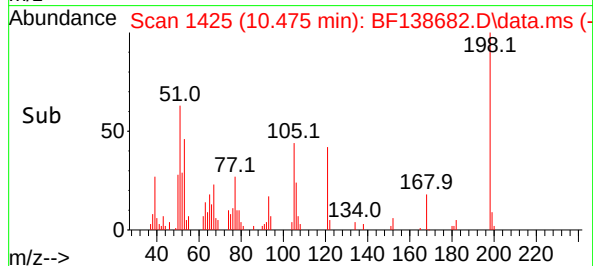
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



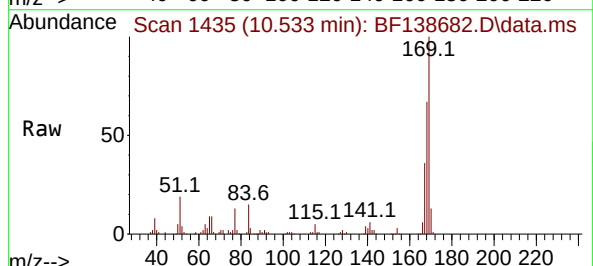
Tgt Ion:198 Resp: 14344
Ion Ratio Lower Upper
198 100
51 62.9 39.9 79.9
105 43.9 26.1 66.1

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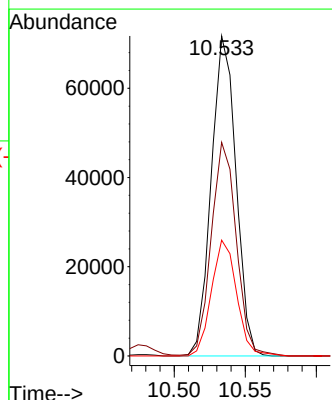
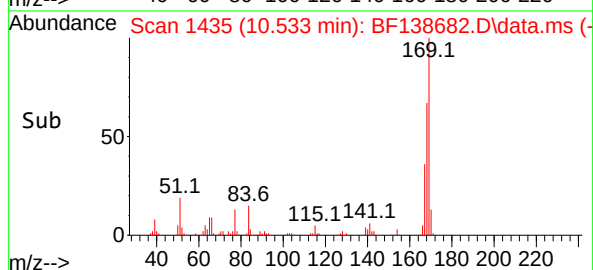
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

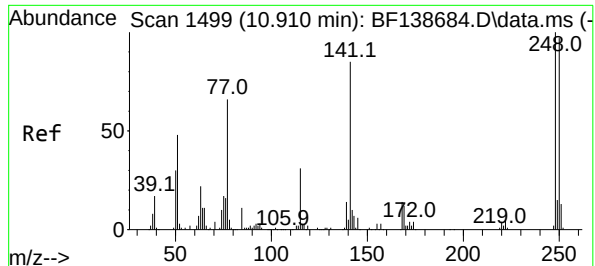


#66
n-Nitrosodiphenylamine
Concen: 10.316 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



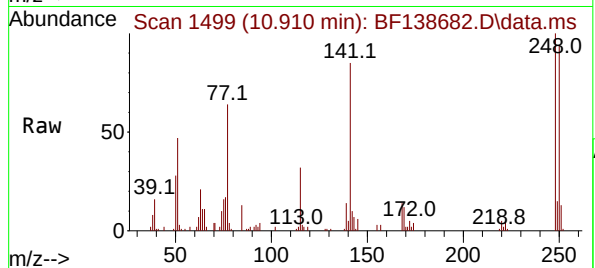
Tgt Ion:169 Resp: 86813
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.2 29.0 43.6





#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

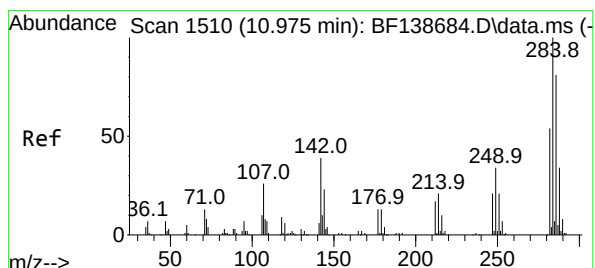
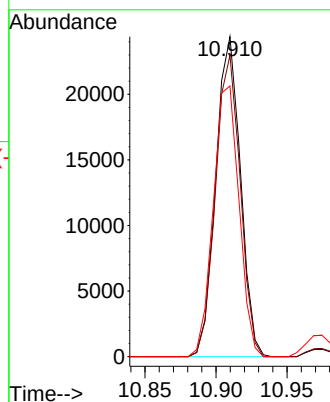
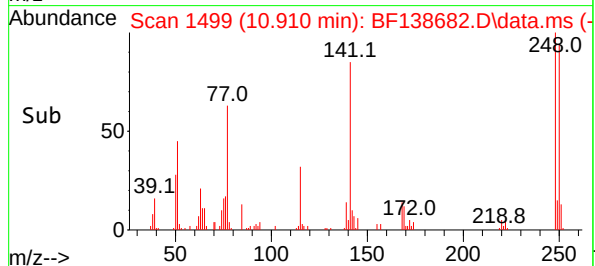
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



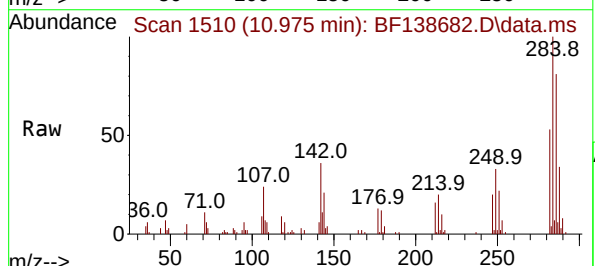
Tgt Ion:248 Resp: 29510
Ion Ratio Lower Upper
248 100
250 94.2 77.7 116.5
141 84.6 68.0 102.0

Manual Integrations
APPROVED

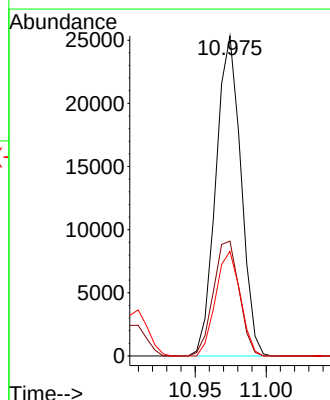
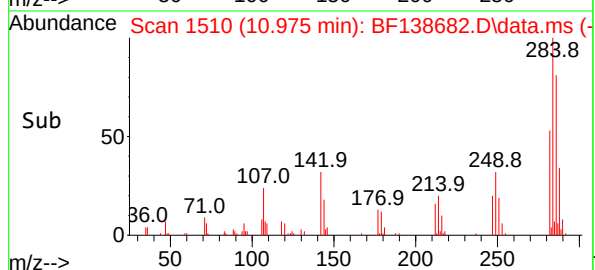
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

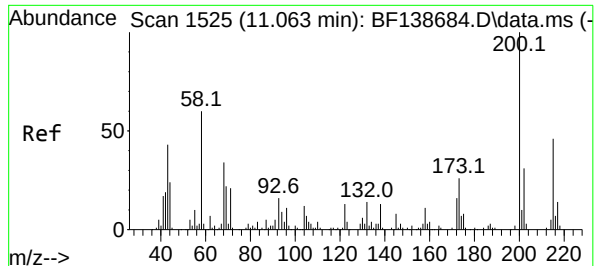


#68
Hexachlorobenzene
Concen: 10.317 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56



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

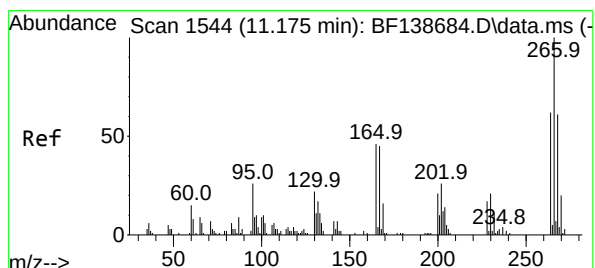
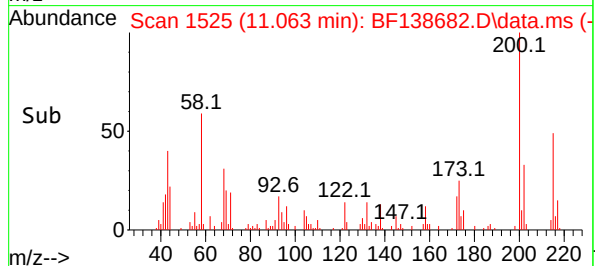
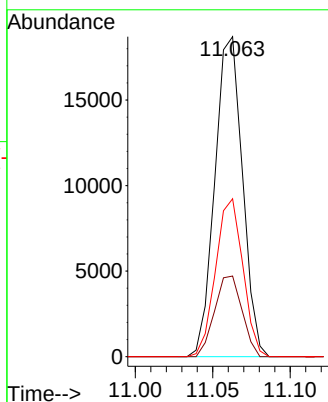
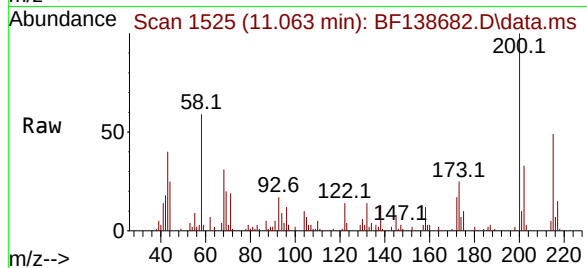
Tgt Ion:200 Resp: 23189
Ion Ratio Lower Upper
200 100
173 25.2 6.0 46.0
215 49.3 26.1 66.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/31/2024

Supervised By :mohammad ahmed 07/31/2024



#70

Pentachlorophenol

Concen: 7.661 ng

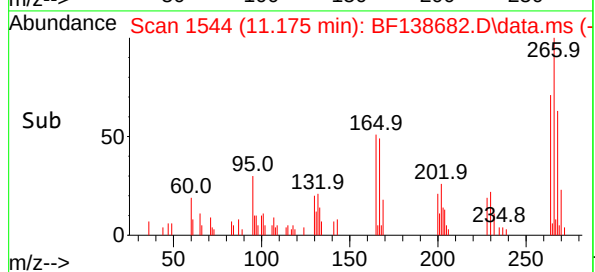
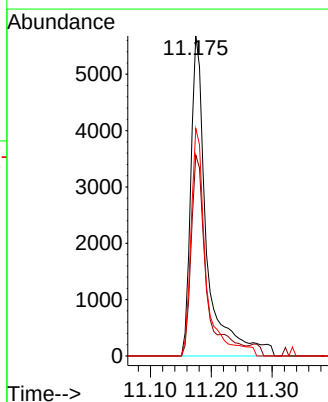
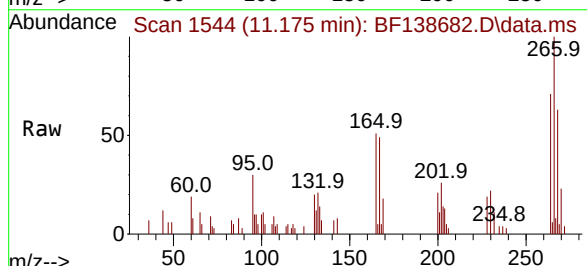
RT: 11.175 min Scan# 1544

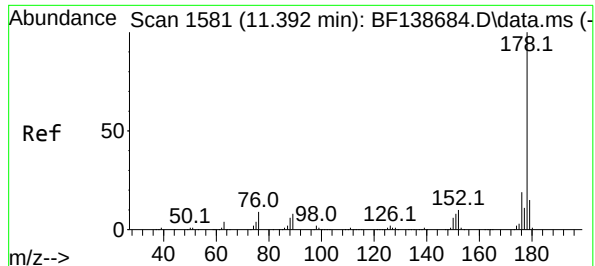
Delta R.T. -0.000 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

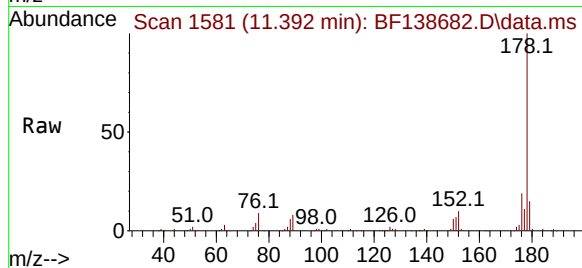
Tgt Ion:266 Resp: 10392
Ion Ratio Lower Upper
266 100
268 62.8 49.2 73.8
264 71.1 49.8 74.6





#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

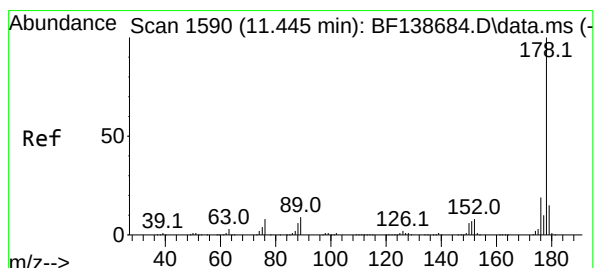
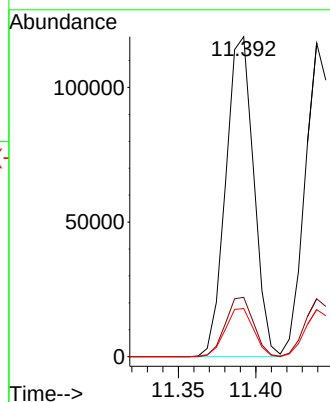
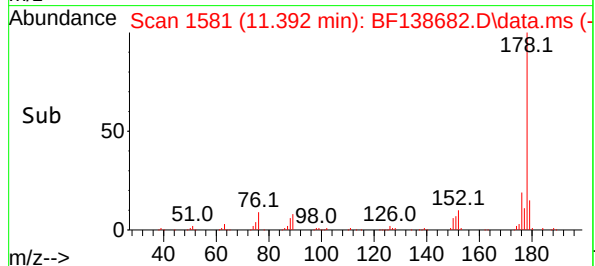
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

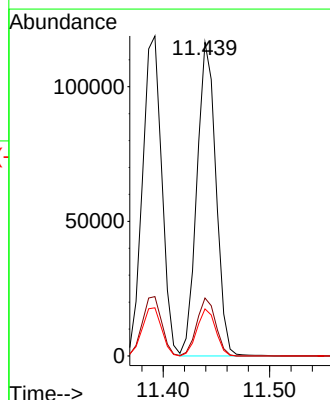
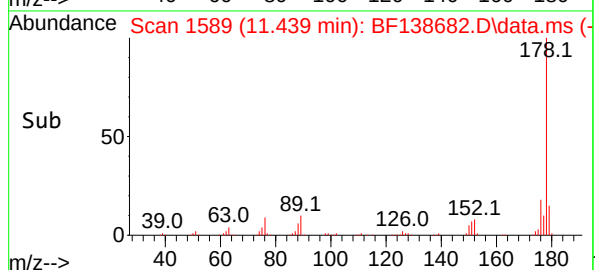
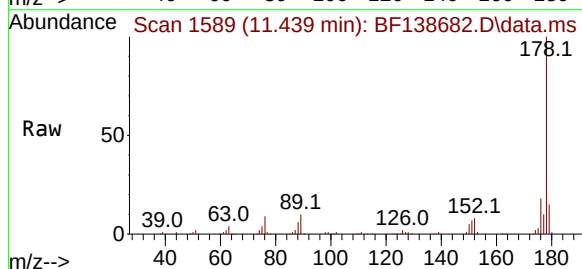
Manual Integrations
APPROVED

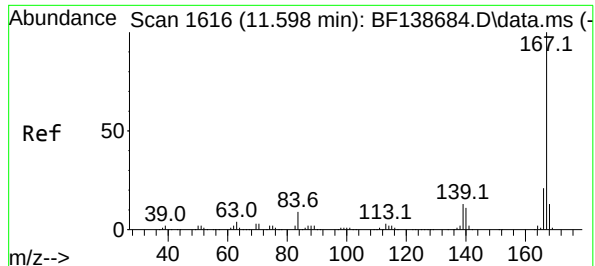
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

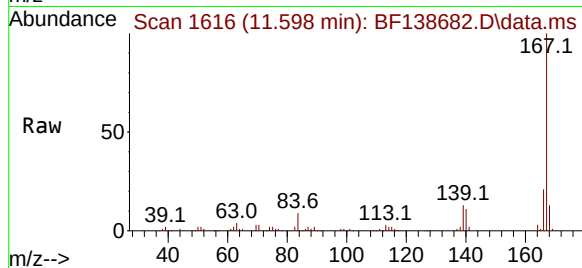
Tgt Ion:178 Resp: 145043
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.0 12.4 18.6





#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

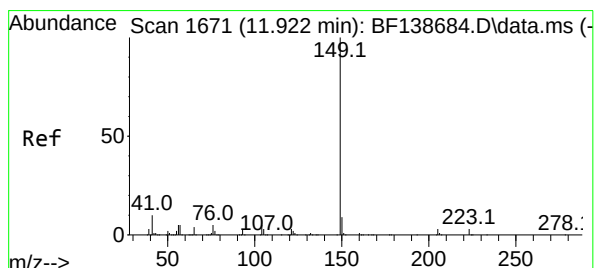
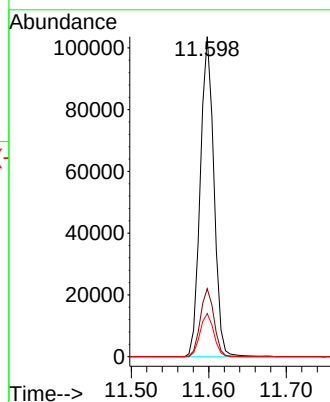
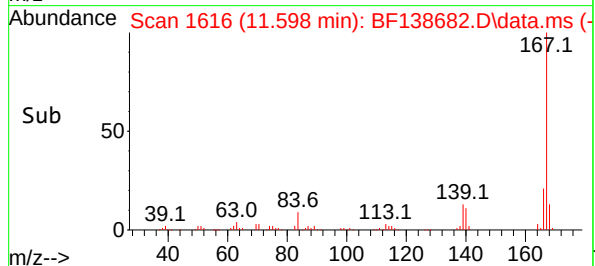
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

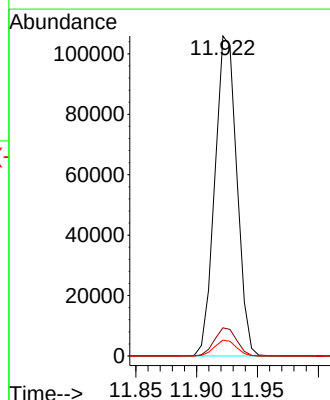
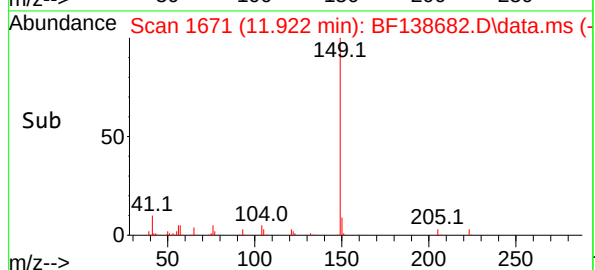
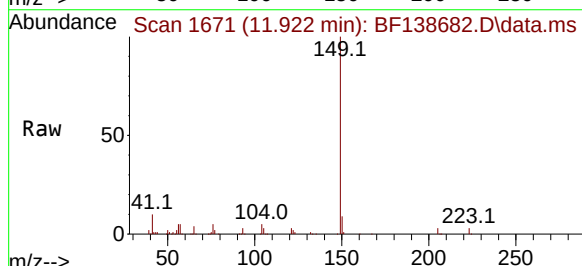
Manual Integrations
APPROVED

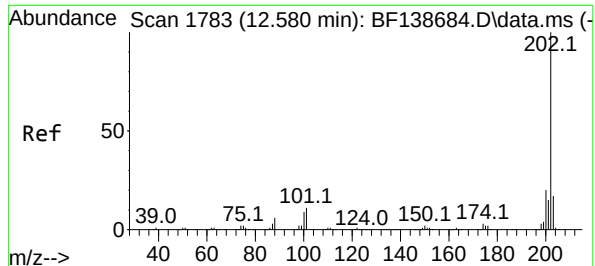
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

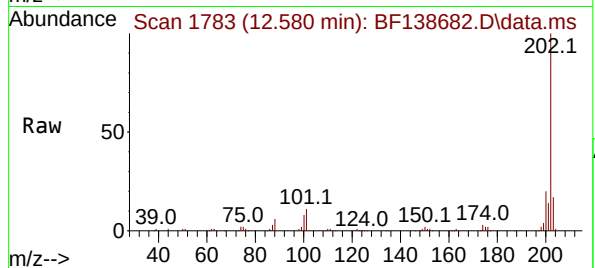
Tgt Ion:149 Resp: 133246
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 5.0 4.1 6.1





#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

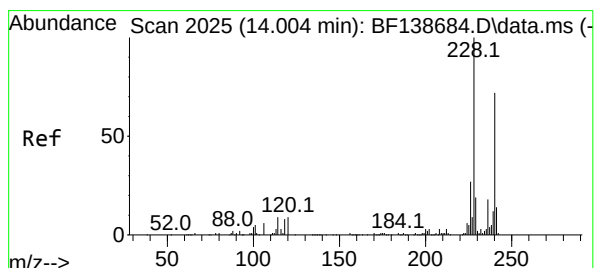
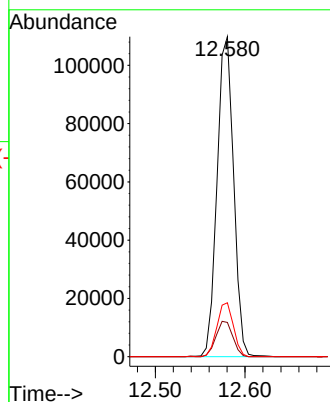
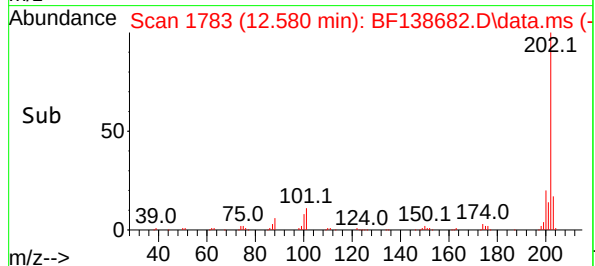
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

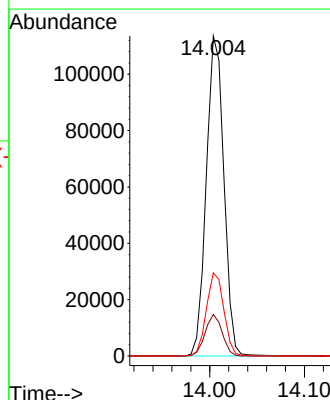
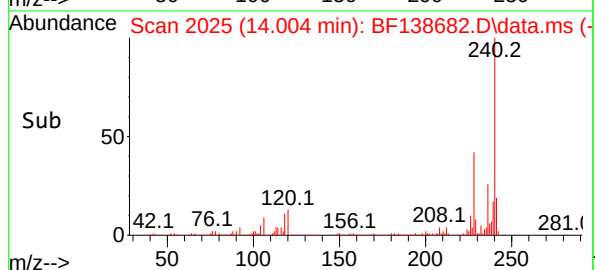
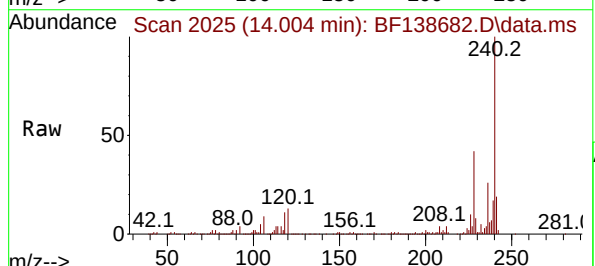
Manual Integrations
APPROVED

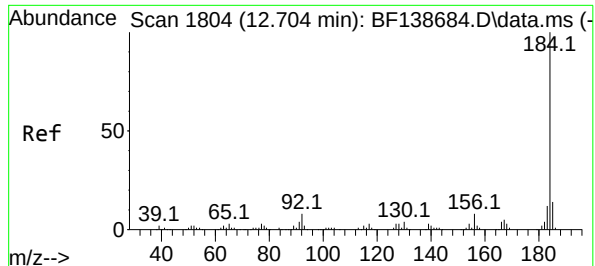
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

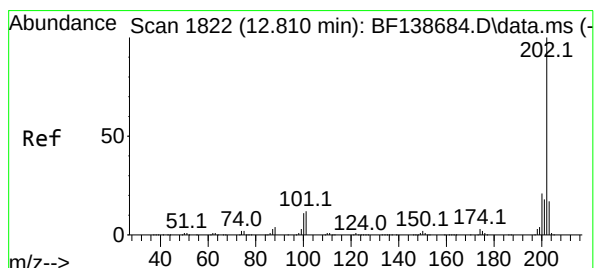
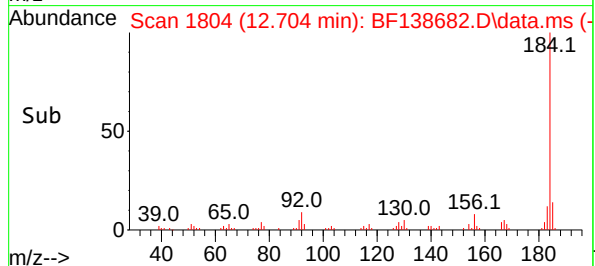
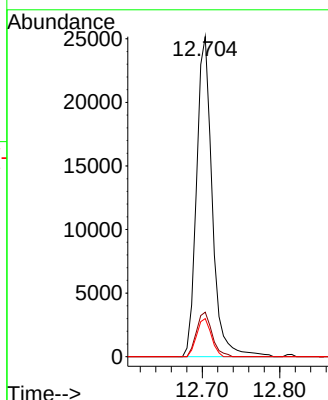
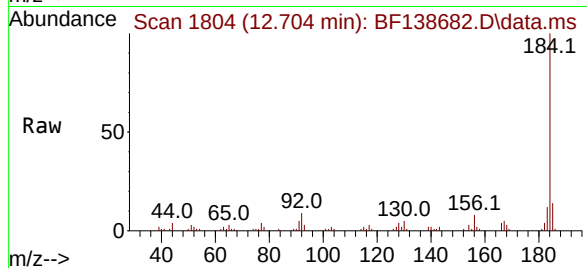
183 11.9 9.6 14.4

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

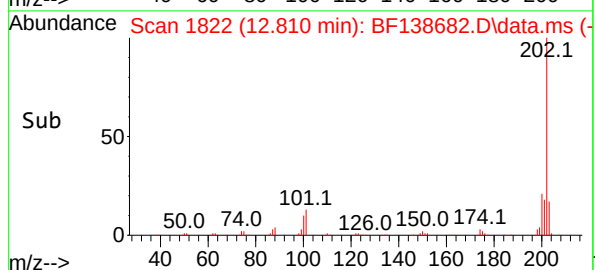
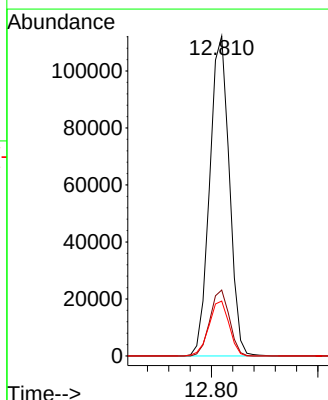
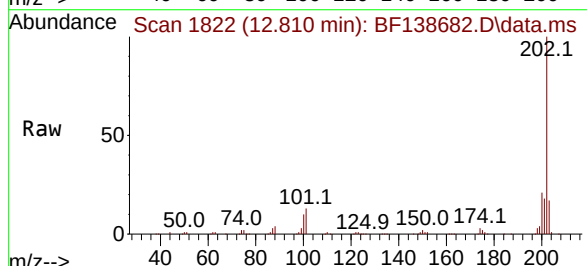
Tgt Ion:202 Resp: 143221

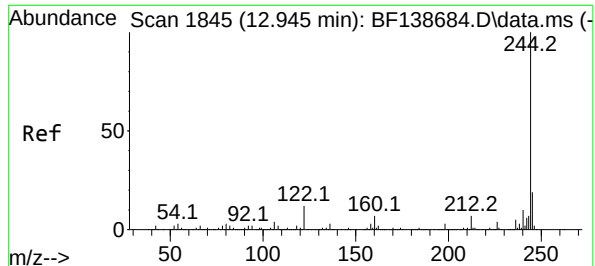
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

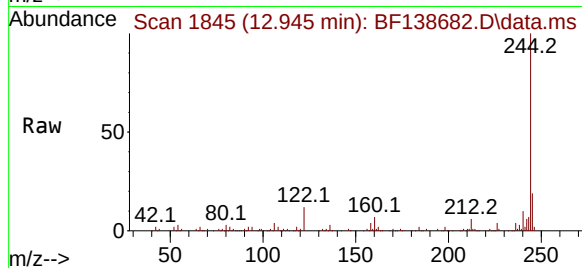
203 17.2 13.8 20.6





#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

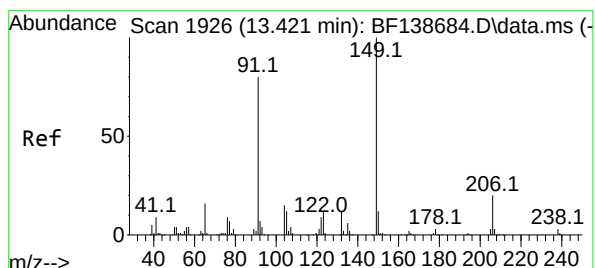
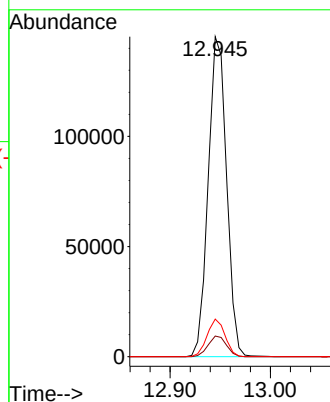
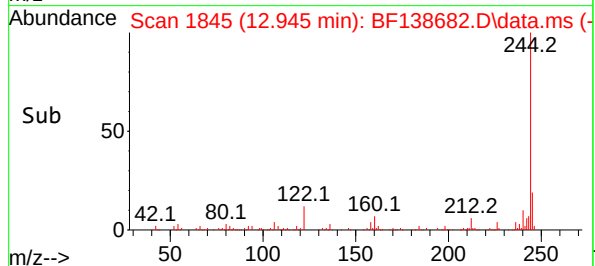
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

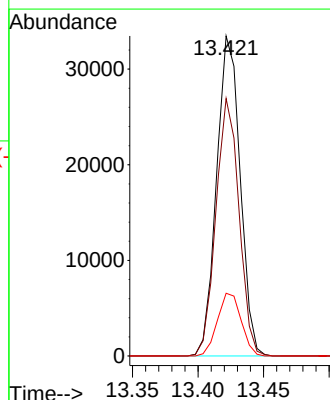
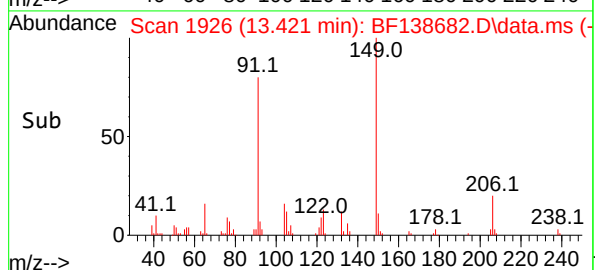
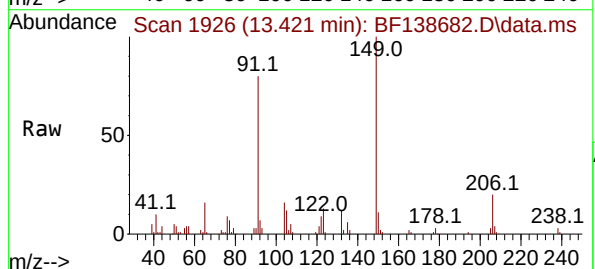
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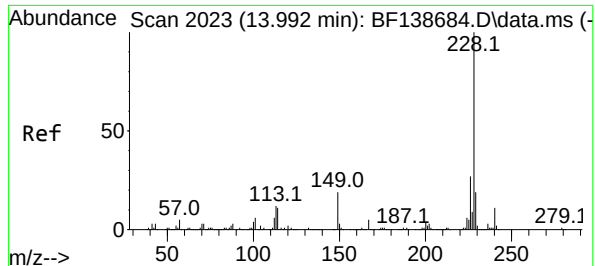
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

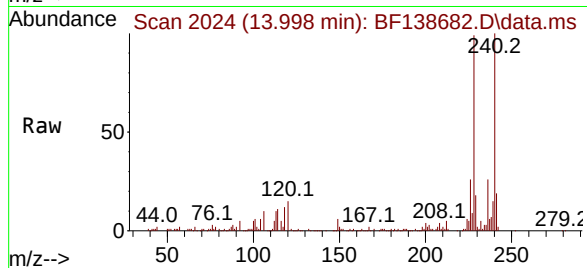
Tgt Ion:149 Resp: 41771
Ion Ratio Lower Upper
149 100
91 80.4 63.7 95.5
206 19.6 16.2 24.2





#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

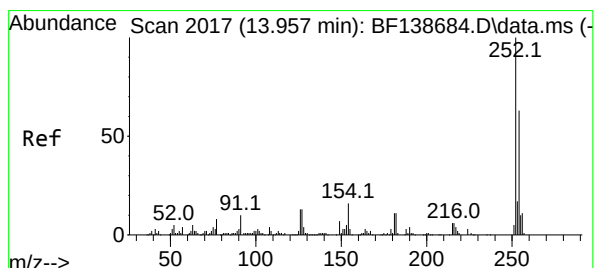
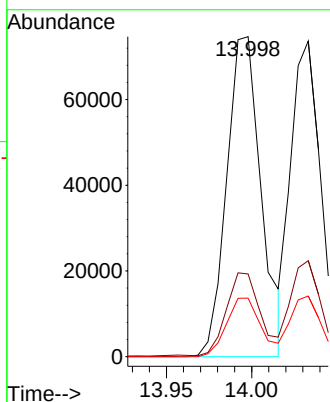
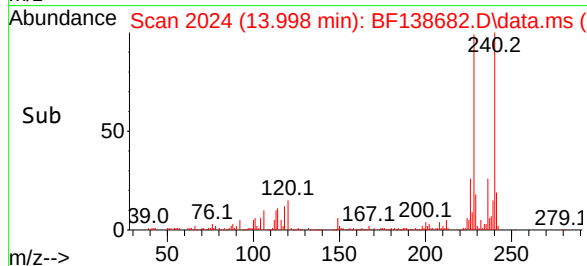
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

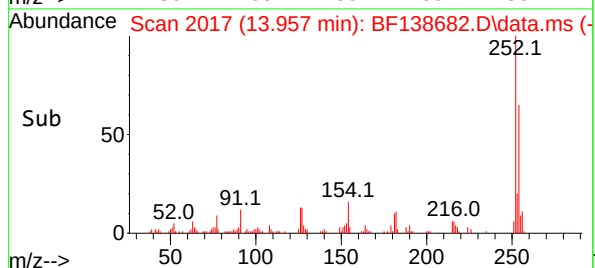
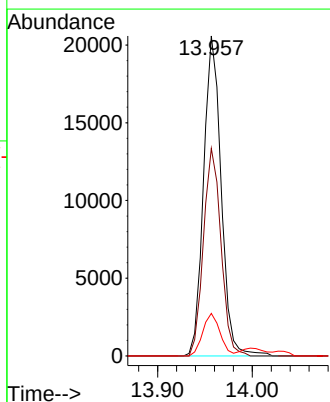
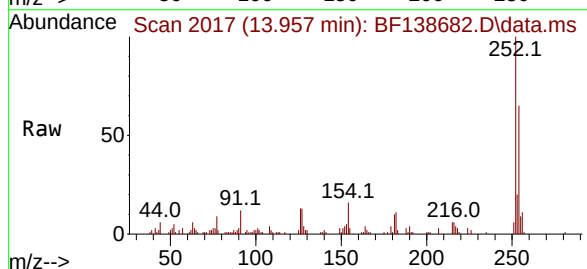
Manual Integrations
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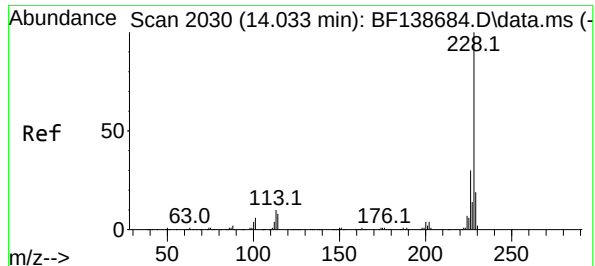
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

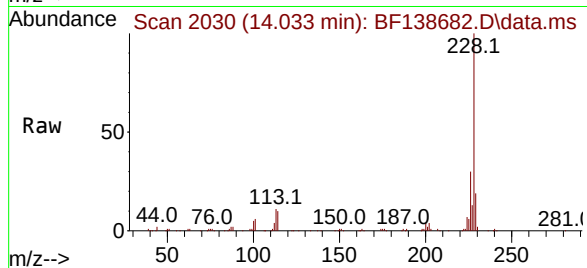
Tgt Ion:252 Resp: 26584
Ion Ratio Lower Upper
252 100
254 64.9 50.8 76.2
126 13.3 10.2 15.2





#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

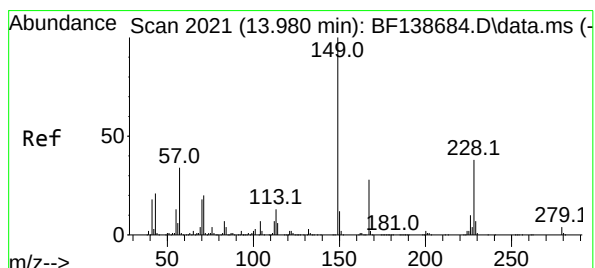
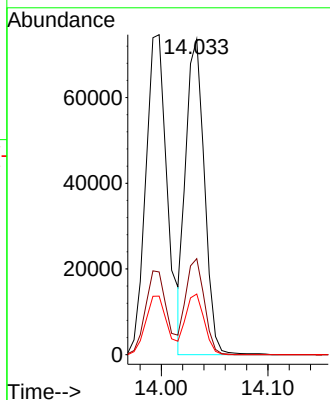
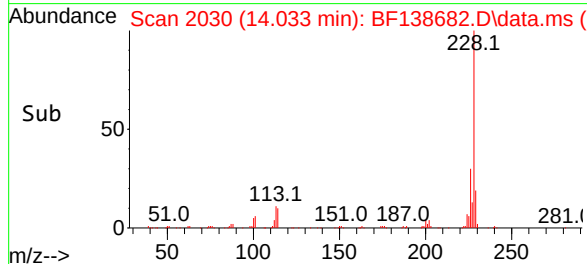
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

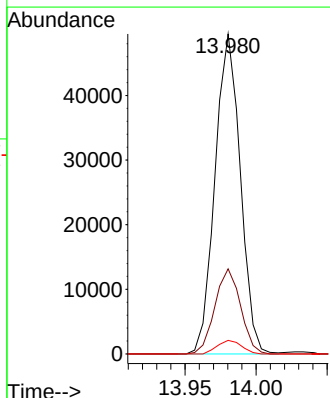
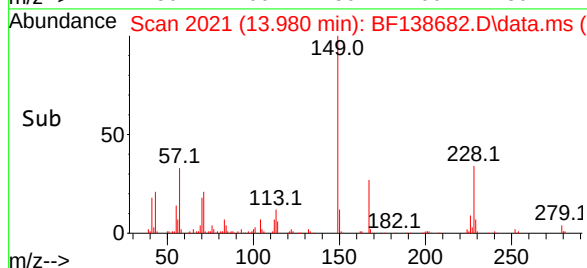
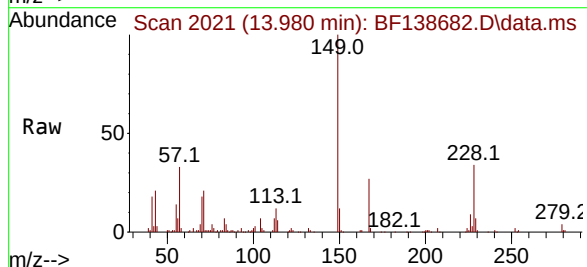
Manual Integrations
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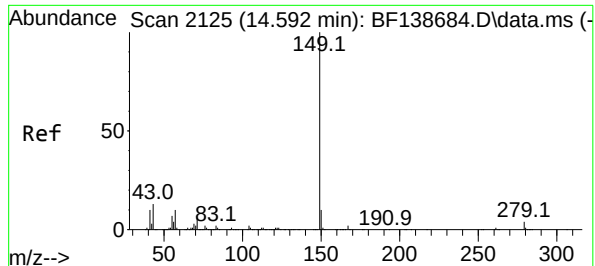
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

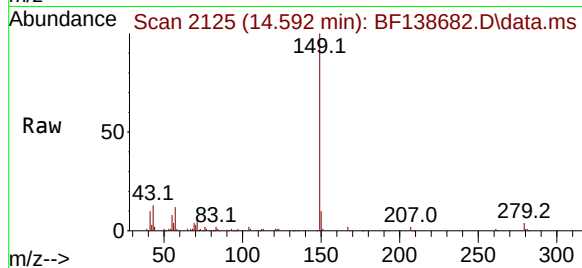
Tgt Ion:149 Resp: 61314
Ion Ratio Lower Upper
149 100
167 26.6 22.2 33.4
279 4.3 3.4 5.0





#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

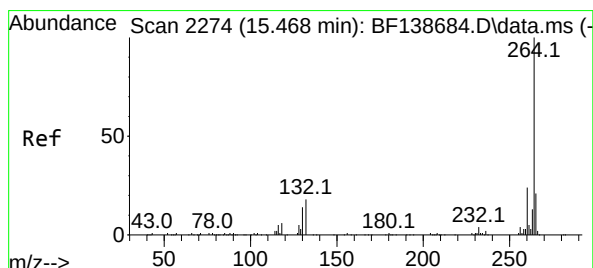
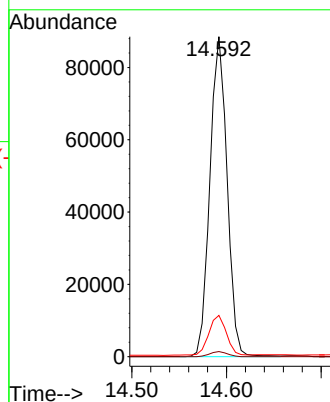
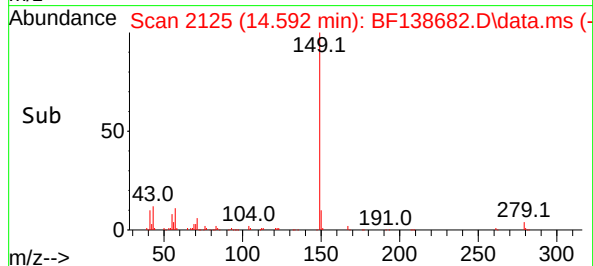
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

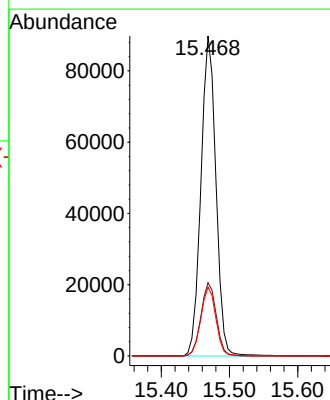
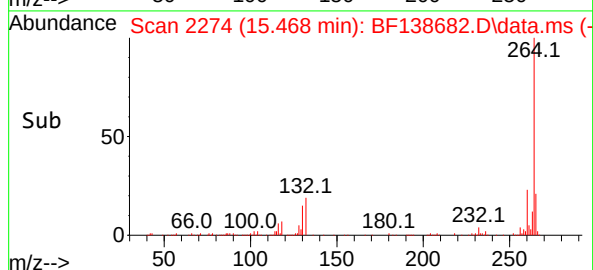
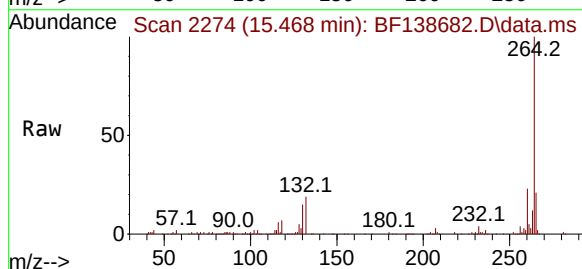
Manual Integrations
APPROVED

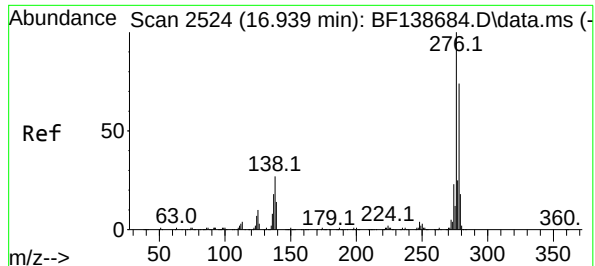
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

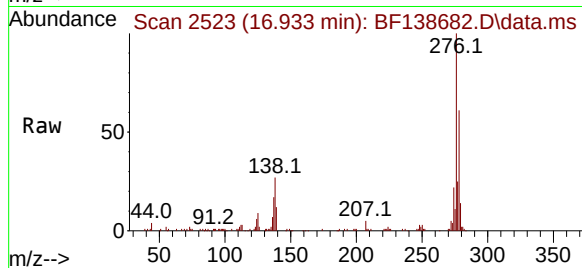
Tgt Ion:264 Resp: 137026
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.6
265 21.5 17.0 25.6





#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

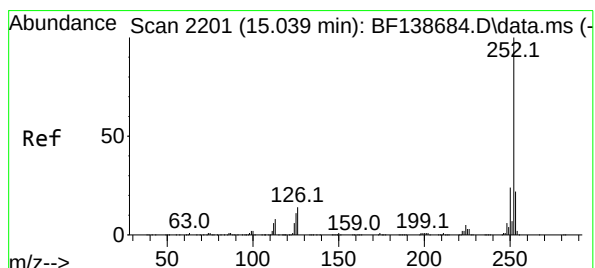
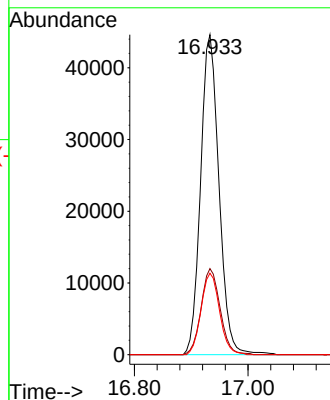
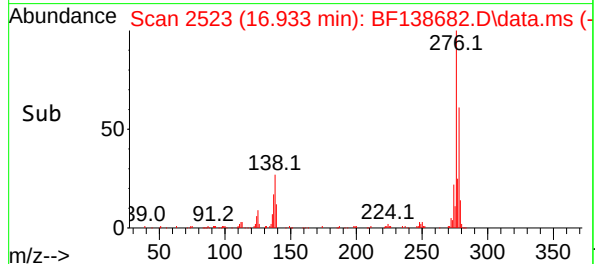
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

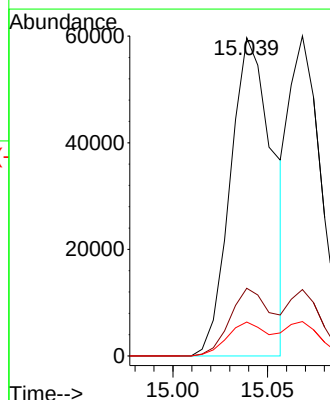
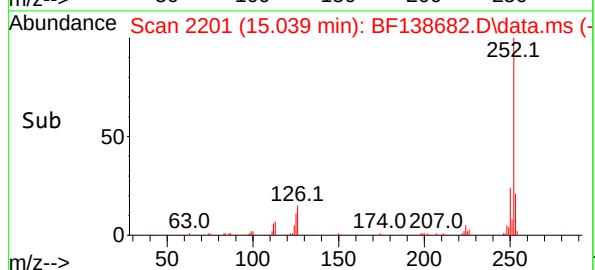
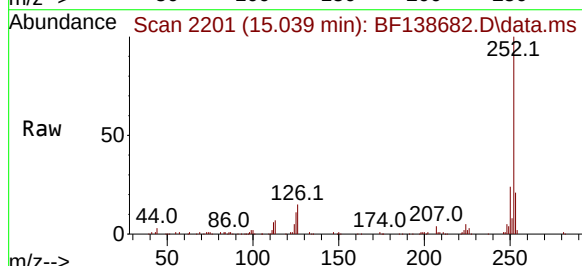
Manual Integrations
APPROVED

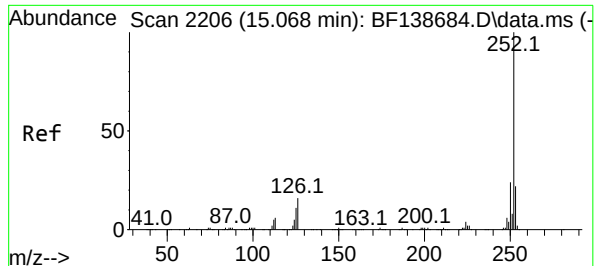
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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

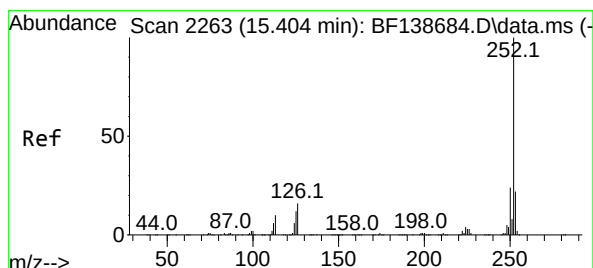
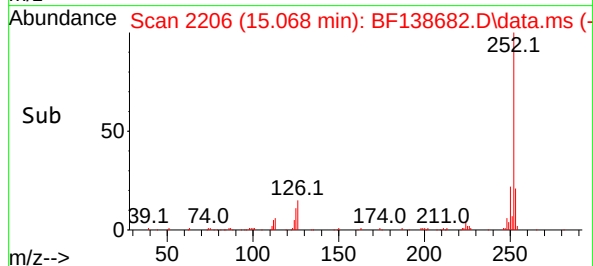
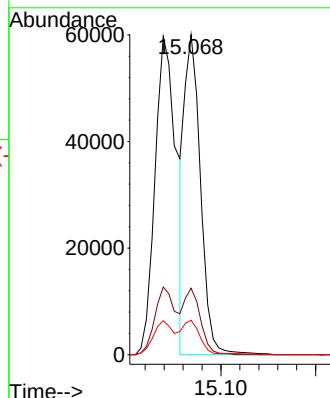
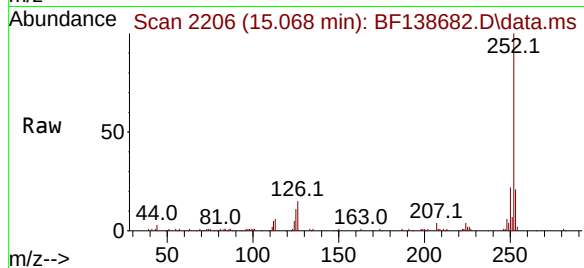
Tgt Ion:	252	Resp:	71464
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.4	26.0
125	10.7	8.6	13.0

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

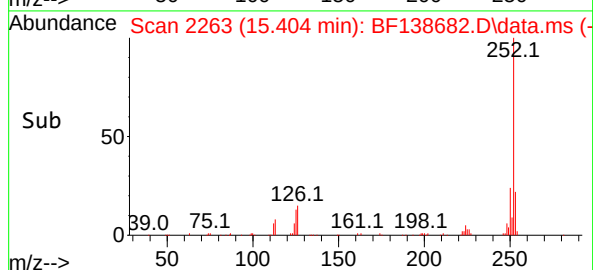
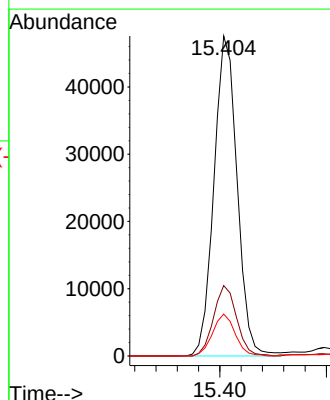
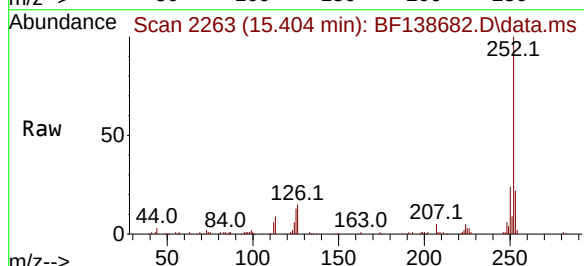
RT: 15.404 min Scan# 2263

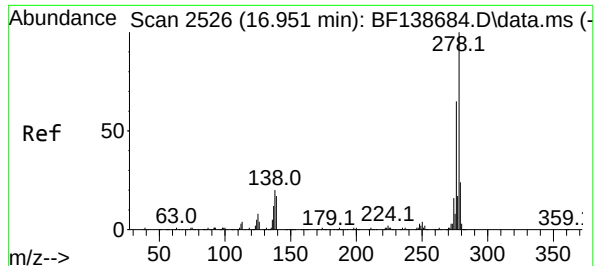
Delta R.T. 0.000 min

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# 2526

Delta R.T. -0.006 min

Lab File: BF138682.D

Acq: 30 Jul 2024 13:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

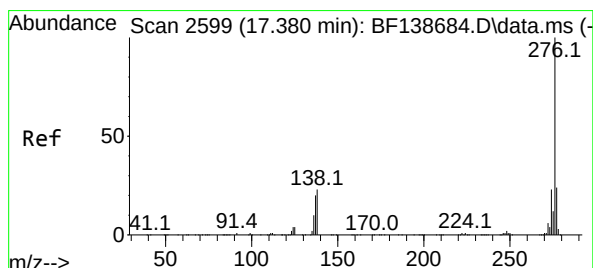
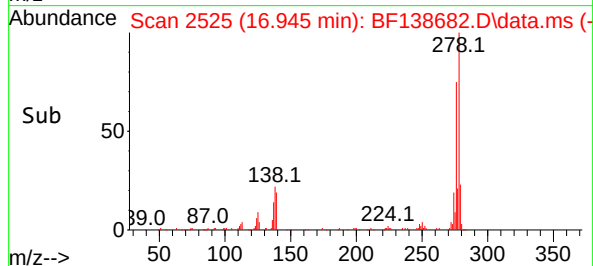
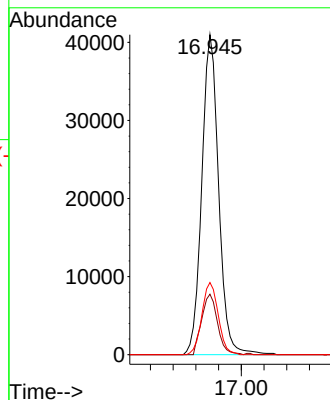
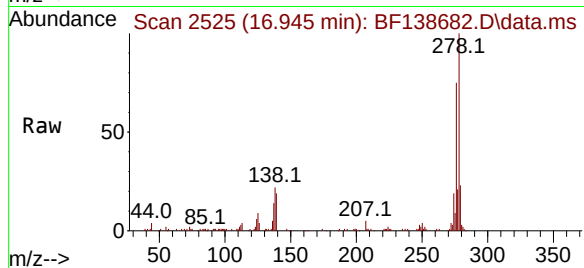
Tgt Ion:	278	Resp:	84350
Ion Ratio	Lower	Upper	
278	100		
139	18.9	14.0	21.0
279	22.6	19.0	28.4

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

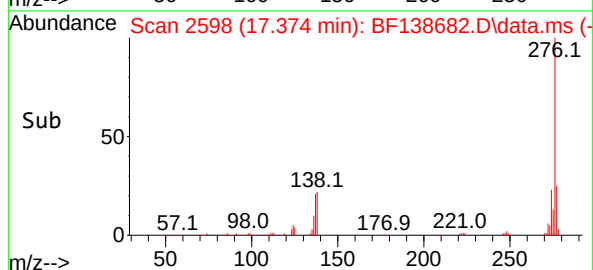
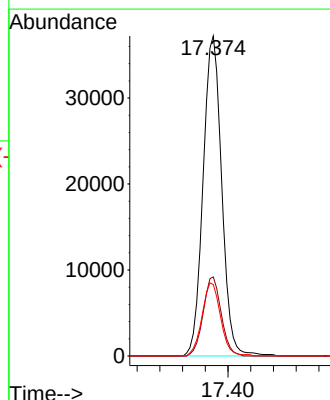
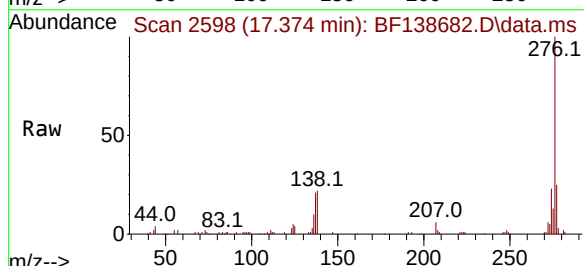
RT: 17.374 min Scan# 2598

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

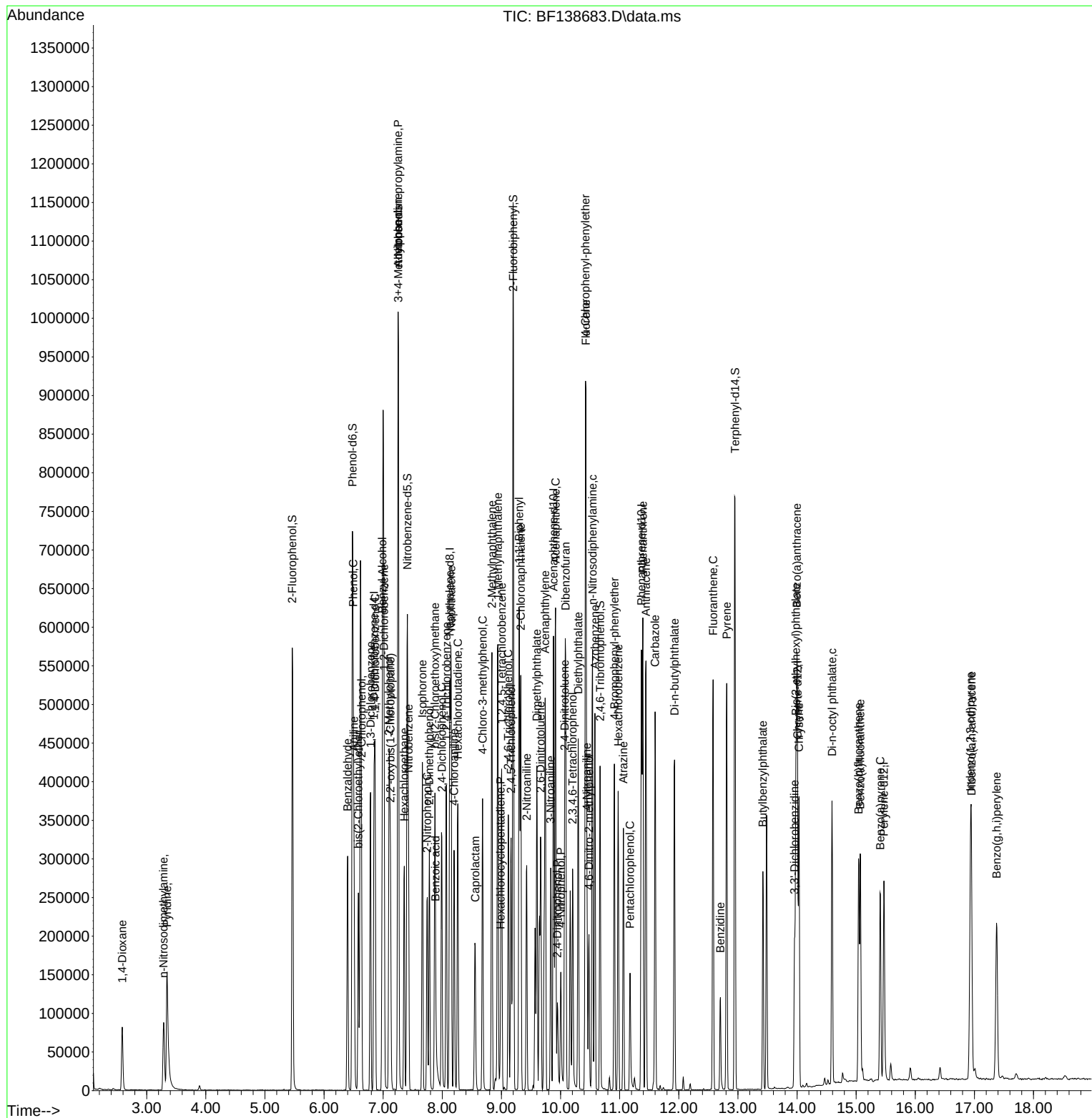
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	64272	20.907	ng	97
46) 1,1'-Biphenyl	9.298	154	270560	20.807	ng	100
47) 2-Chloronaphthalene	9.328	162	201367	20.822	ng	98
48) 2-Nitroaniline	9.428	65	68663	20.943	ng	97
49) Acenaphthylene	9.739	152	289321	21.093	ng	99
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

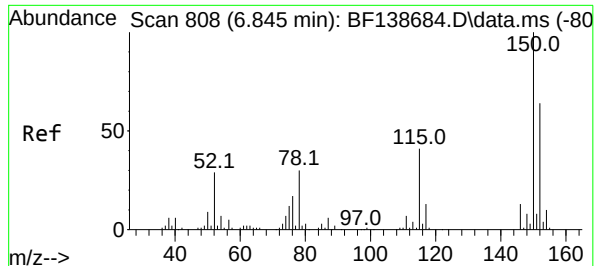
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

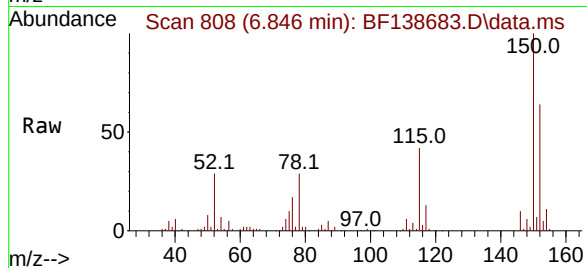
Quant Time: Jul 30 17:43:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



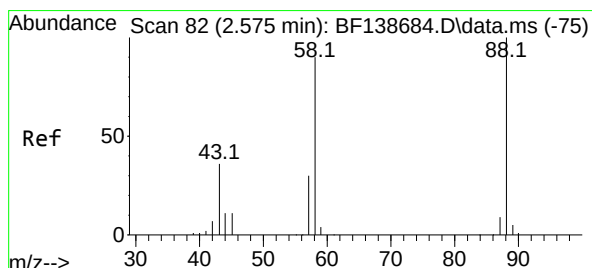
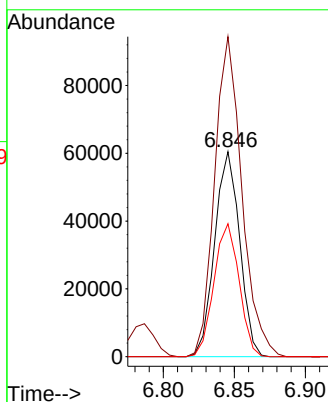
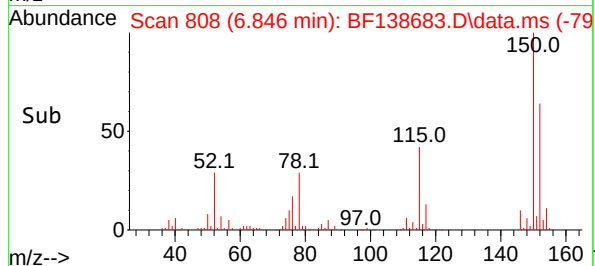


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

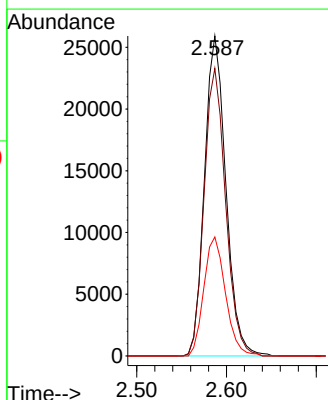
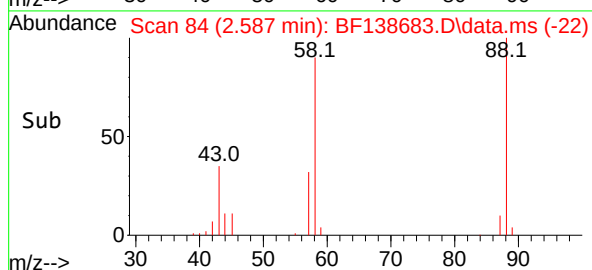
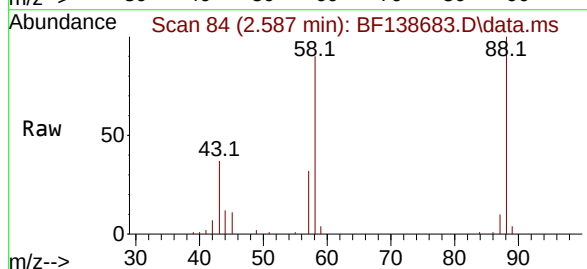


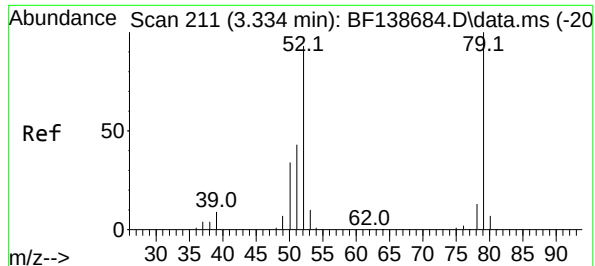
Tgt Ion:152 Resp: 73859
Ion Ratio Lower Upper
152 100
150 156.1 126.0 189.0
115 64.9 51.7 77.5



#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

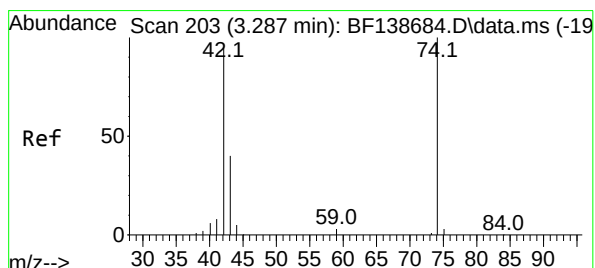
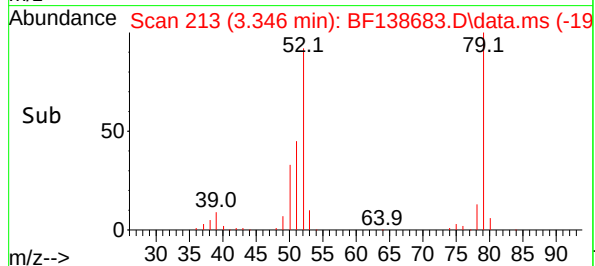
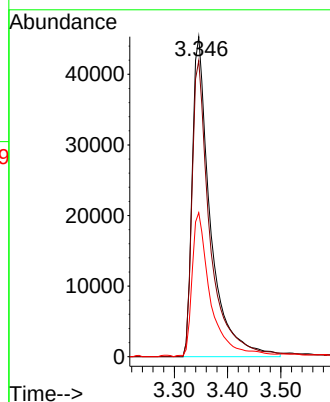
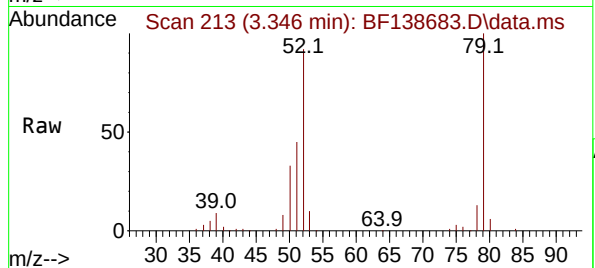
Tgt Ion: 79 Resp: 107346

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

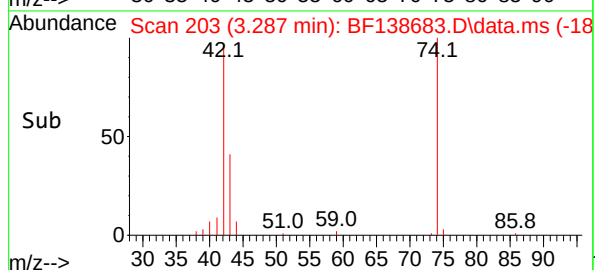
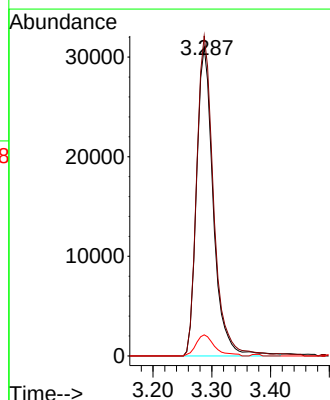
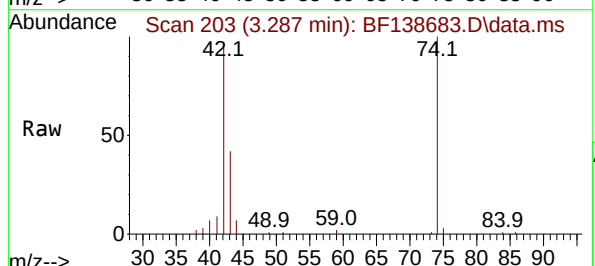
Tgt Ion: 42 Resp: 61242

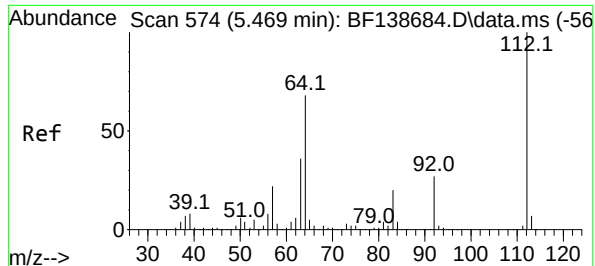
Ion Ratio Lower Upper

42 100

74 103.5 84.2 126.4

44 6.8 4.9 7.3

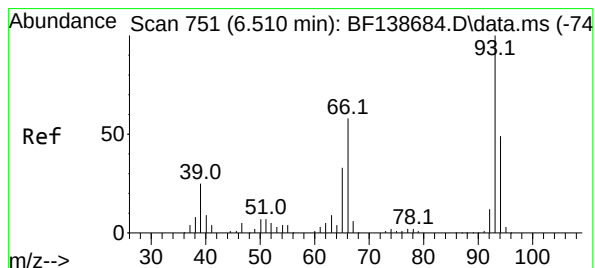
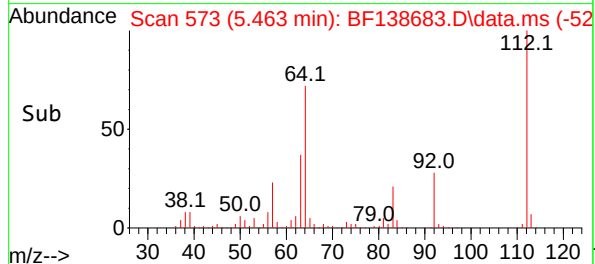
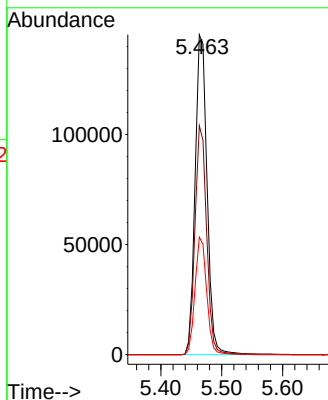
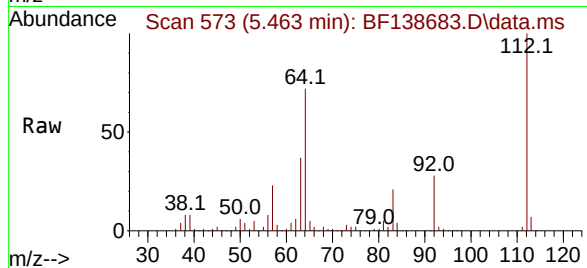




#5
2-Fluorophenol
Concen: 41.415 ng
RT: 5.463 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

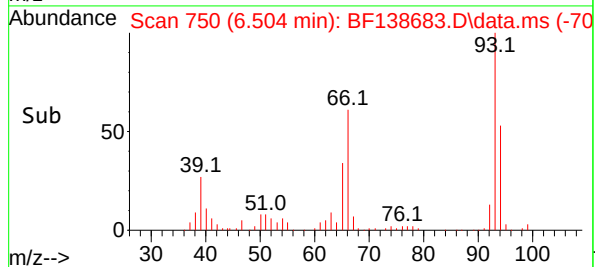
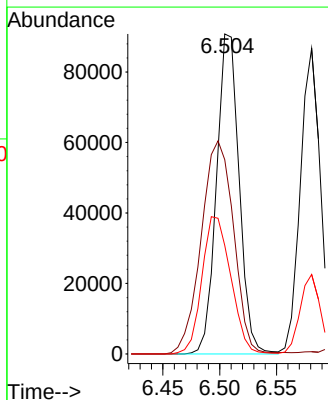
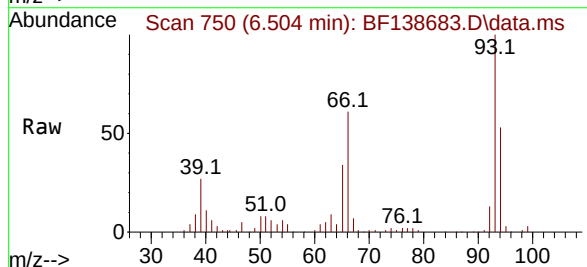
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

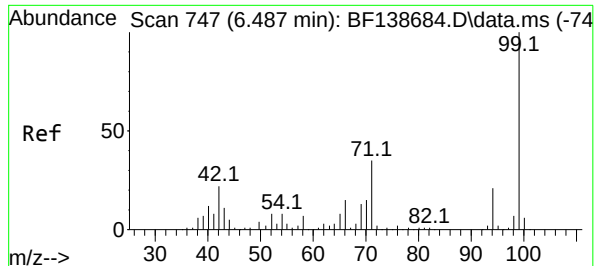
Tgt Ion:112 Resp: 198160
Ion Ratio Lower Upper
112 100
64 71.6 54.2 81.4
63 36.8 28.7 43.1



#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

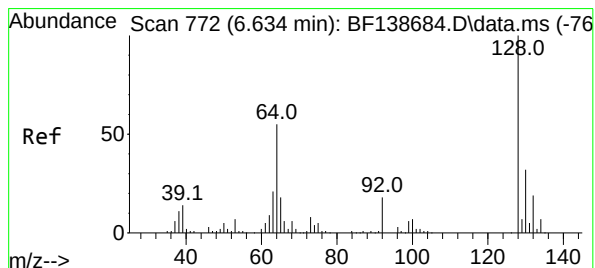
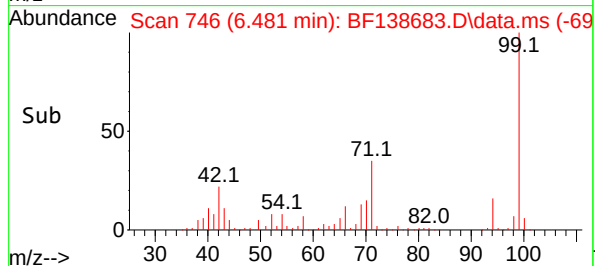
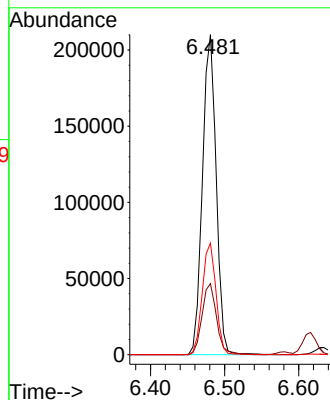
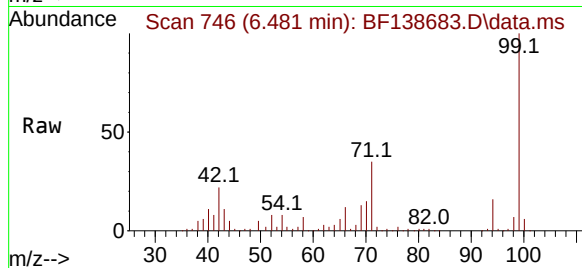
Tgt Ion: 99 Resp: 269991

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

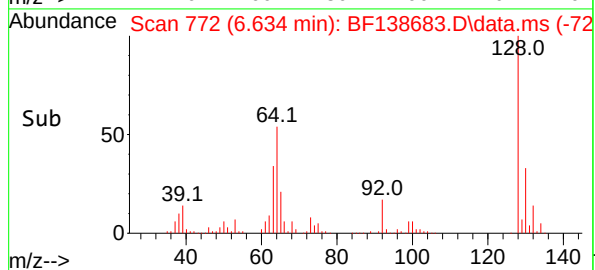
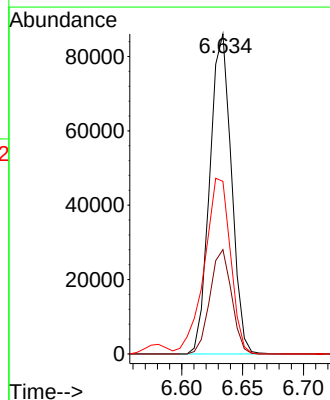
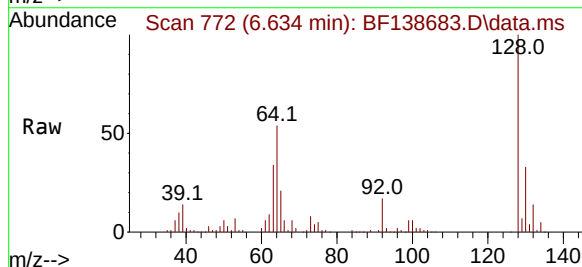
Tgt Ion: 128 Resp: 106548

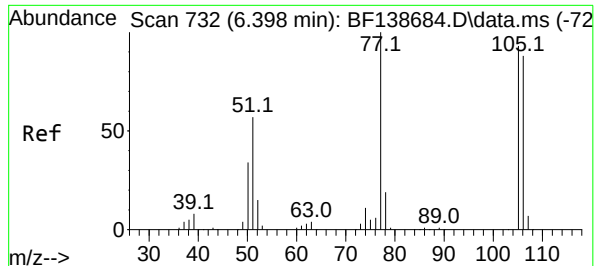
Ion Ratio Lower Upper

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

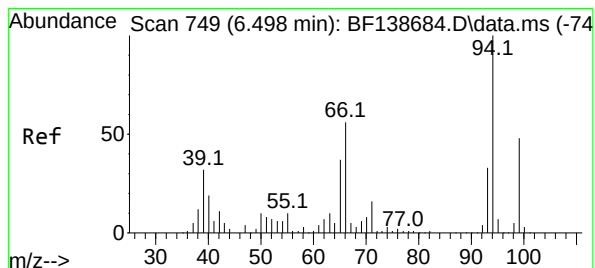
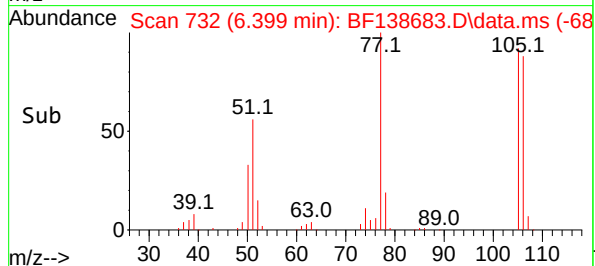
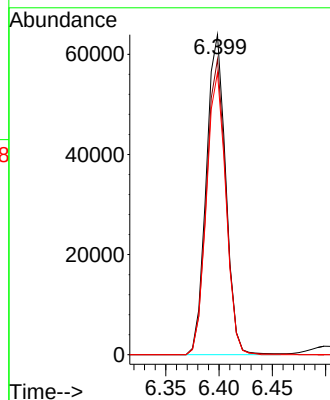
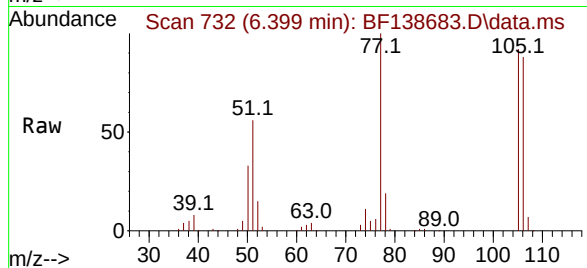
Tgt Ion: 77 Resp: 81141

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

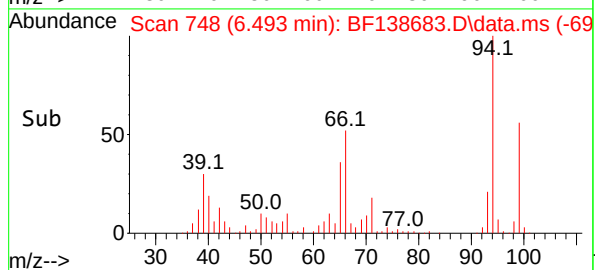
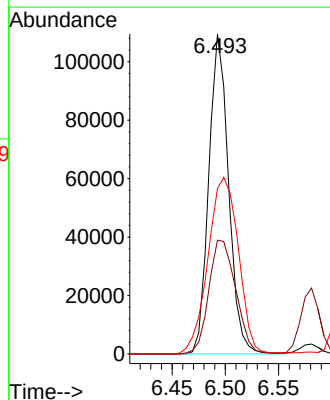
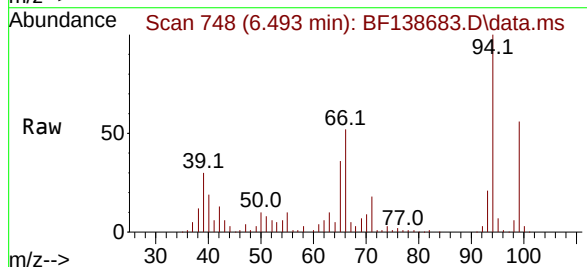
Tgt Ion: 94 Resp: 141295

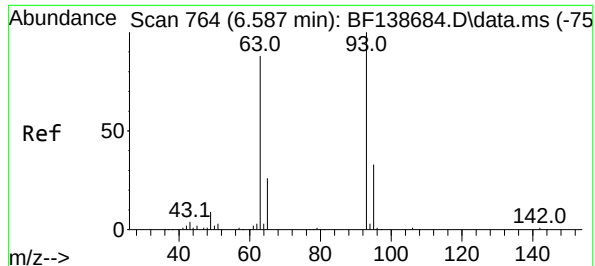
Ion Ratio Lower Upper

94 100

65 35.6 16.9 56.9

66 51.7 36.5 76.5

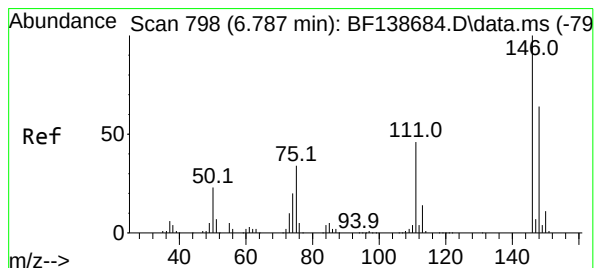
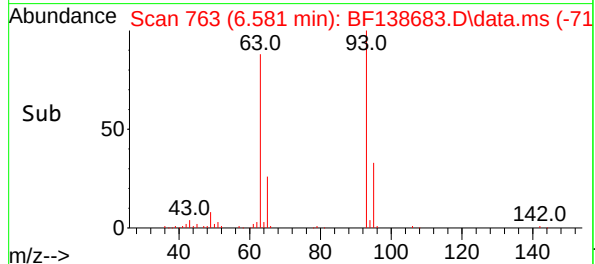
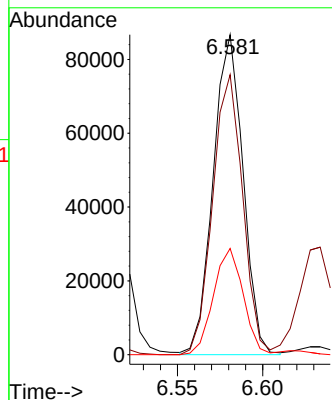
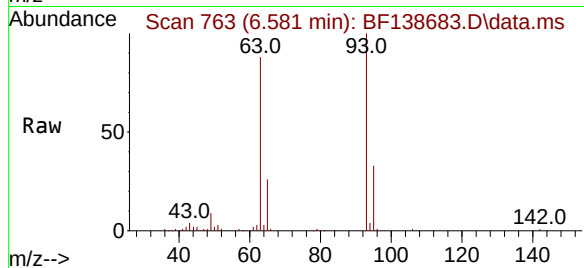




#11
bis(2-Chloroethyl)ether
Concen: 20.347 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

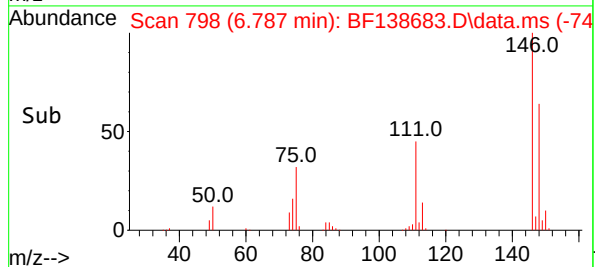
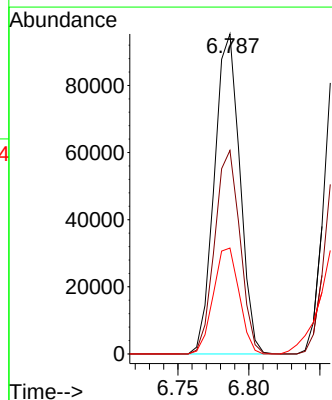
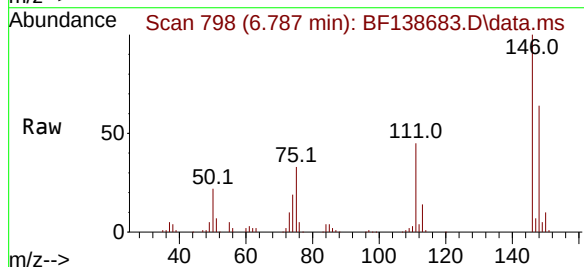
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

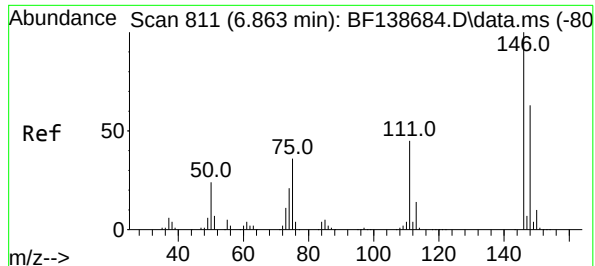
Tgt Ion: 93 Resp: 105905
Ion Ratio Lower Upper
93 100
63 87.5 65.3 105.3
95 33.2 12.4 52.4



#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

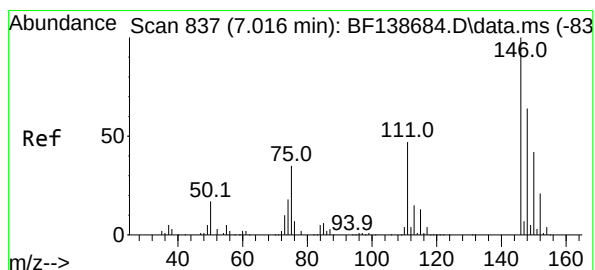
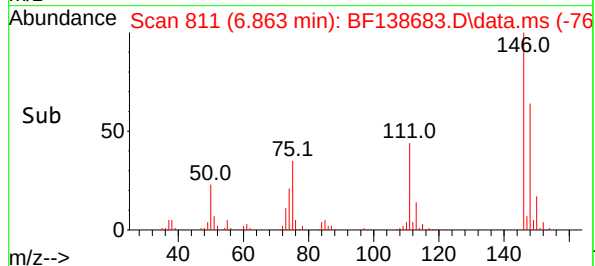
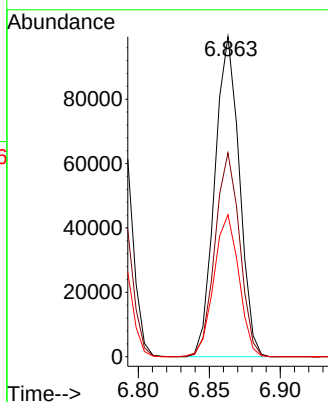
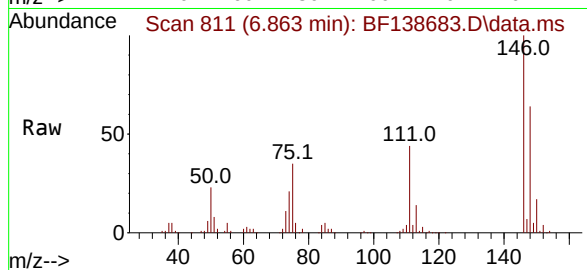
Tgt Ion:146 Resp: 119642

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

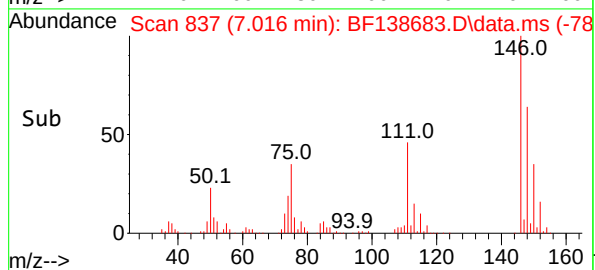
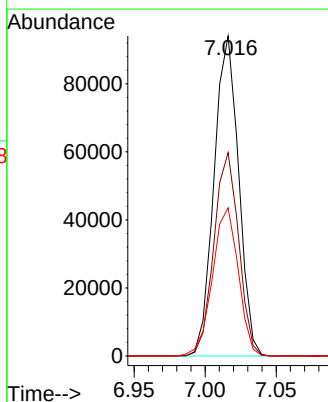
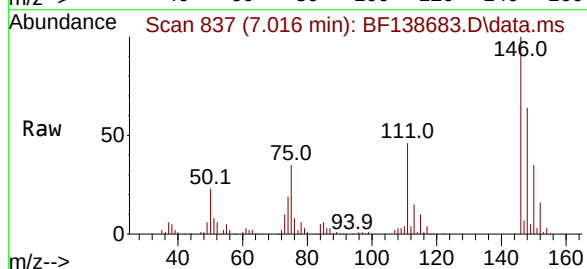
Tgt Ion:146 Resp: 113116

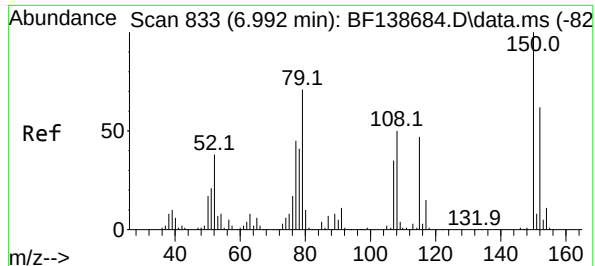
Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

111 46.3 37.4 56.2

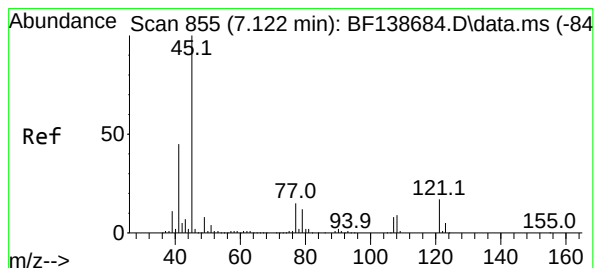
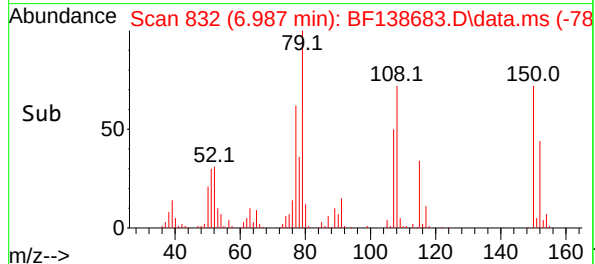
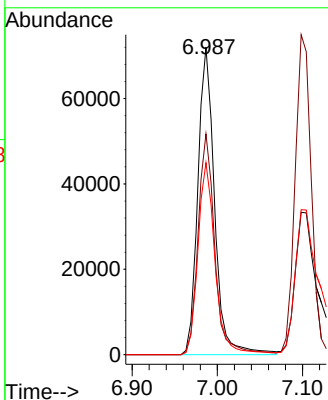
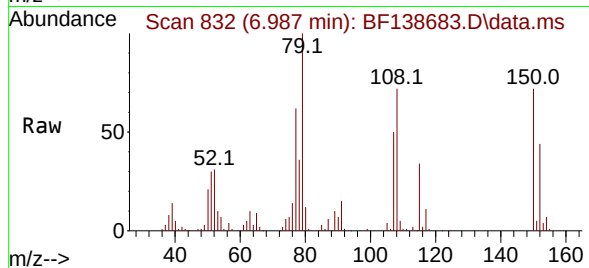




#15
Benzyl Alcohol
Concen: 21.284 ng
RT: 6.987 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

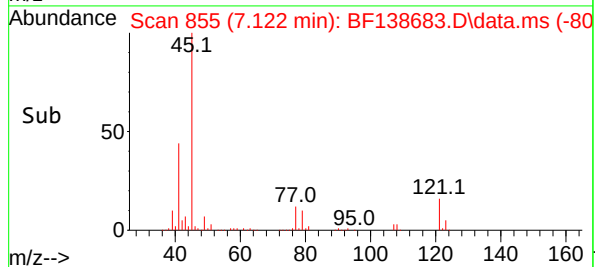
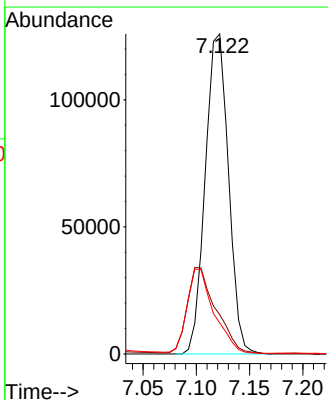
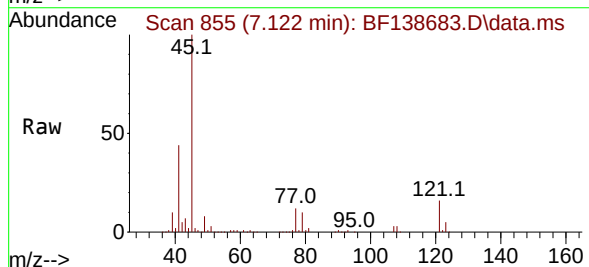
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

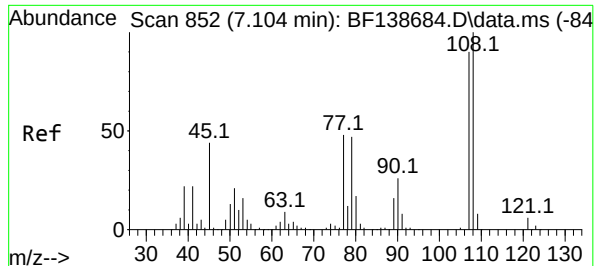
Tgt Ion: 79 Resp: 98544
Ion Ratio Lower Upper
79 100
108 71.9 56.6 85.0
77 62.5 50.3 75.5



#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

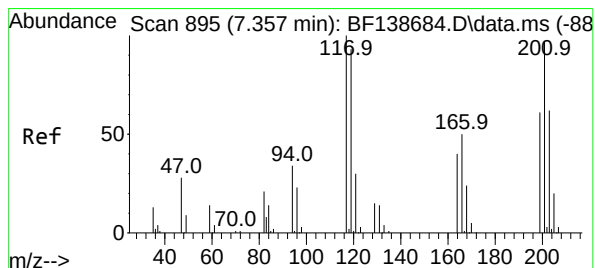
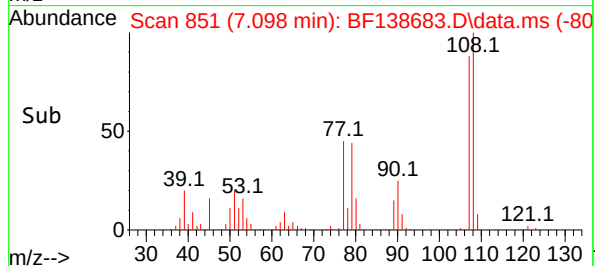
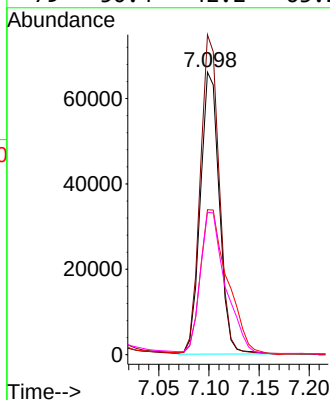
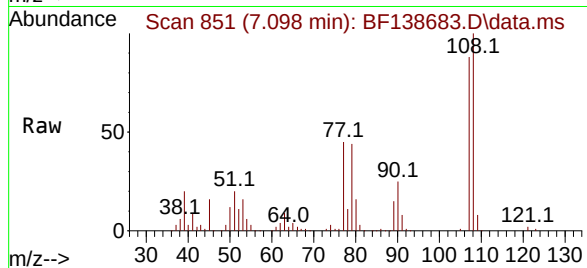




#17
2-Methylphenol
Concen: 21.024 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

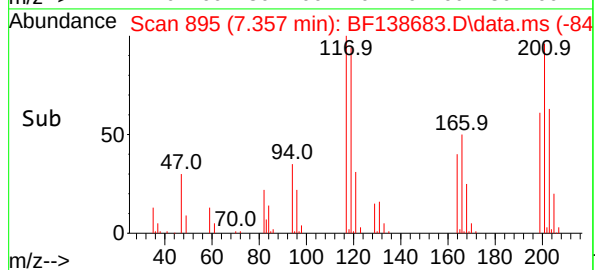
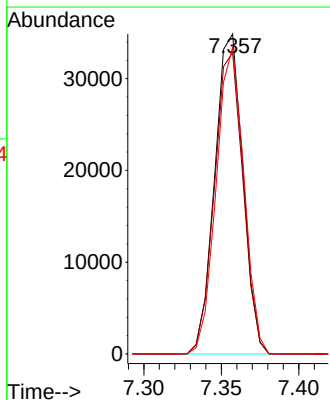
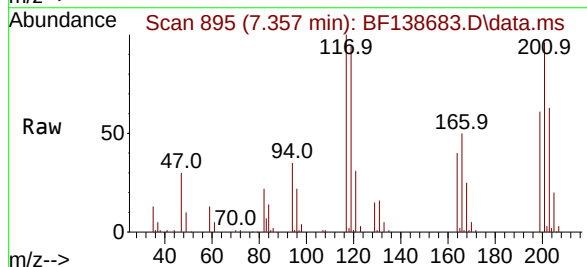
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

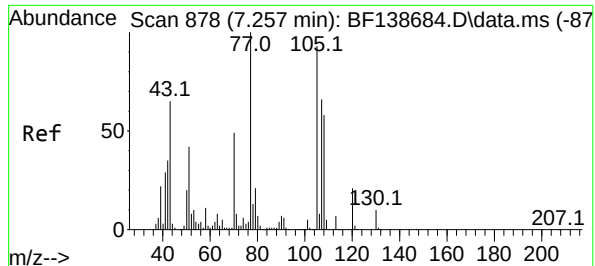
Tgt Ion:107 Resp: 87392
Ion Ratio Lower Upper
107 100
108 113.3 89.2 133.8
77 51.3 43.0 64.4
79 50.4 42.2 63.2



#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

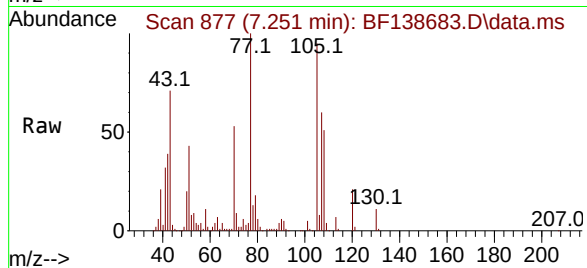
Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

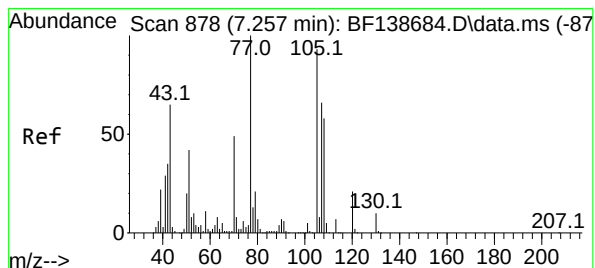
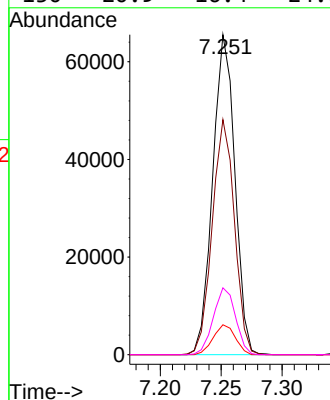
ClientSampleId :

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

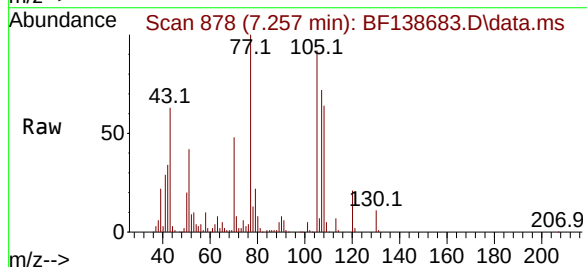
Concen: 21.577 ng

RT: 7.257 min Scan# 878

Delta R.T. 0.000 min

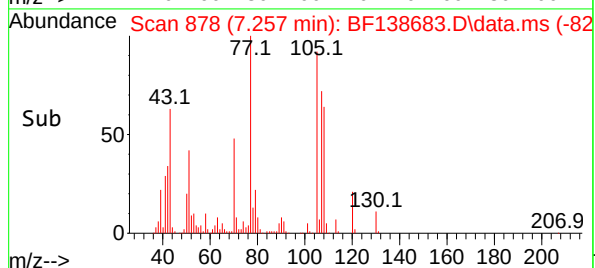
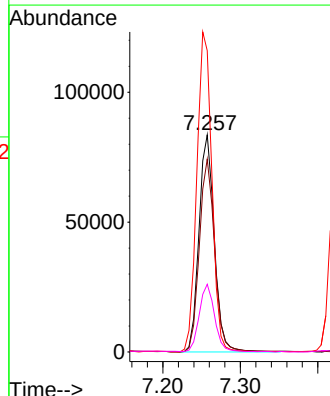
Lab File: BF138683.D

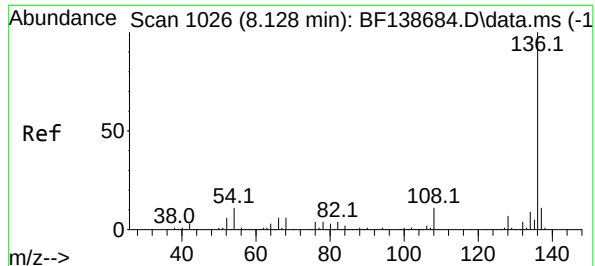
Acq: 30 Jul 2024 14:25



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

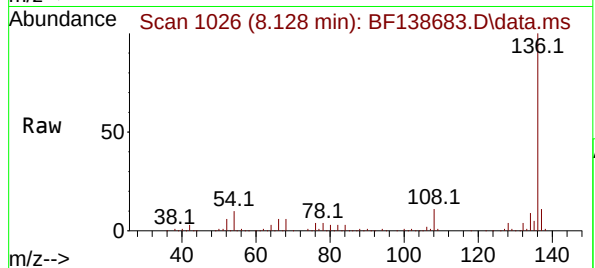
Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:136 Resp: 300790

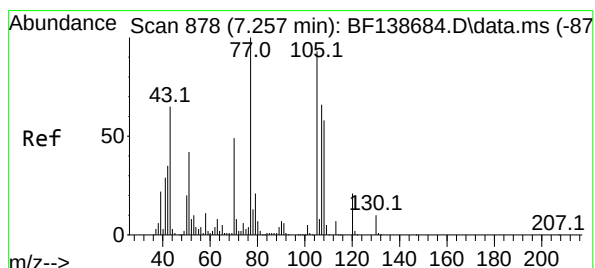
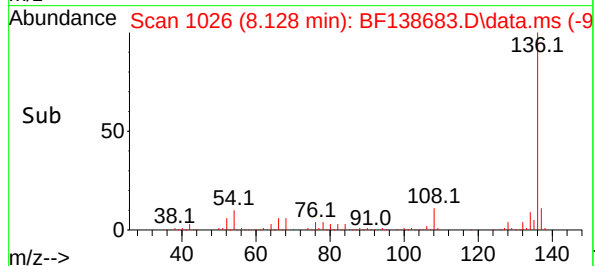
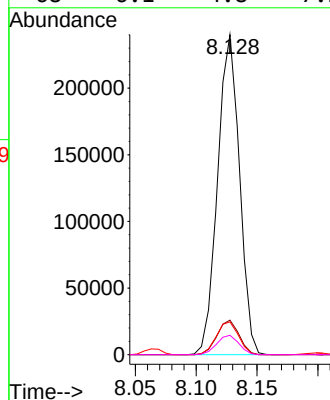
Ion Ratio Lower Upper

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

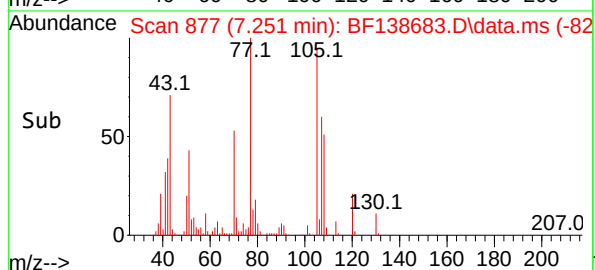
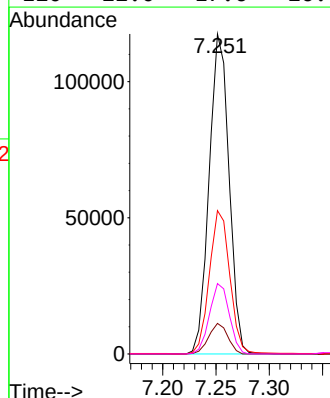
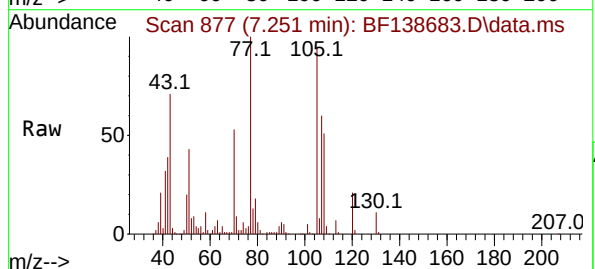
Ion Ratio Lower Upper

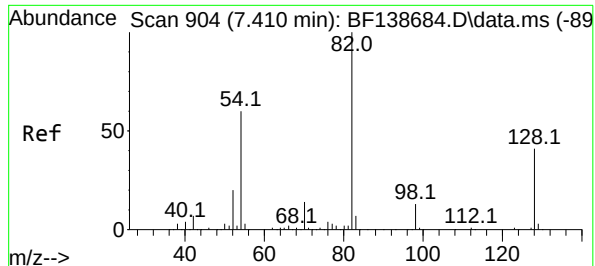
105 100

71 9.6 7.2 10.8

51 44.8 35.9 53.9

120 22.0 17.6 26.4

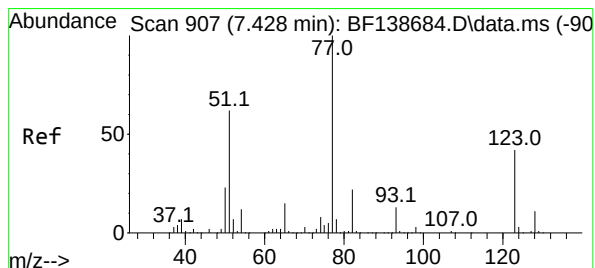
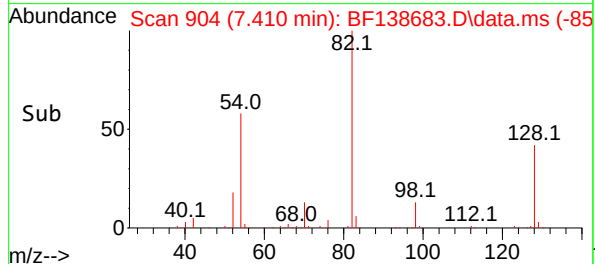
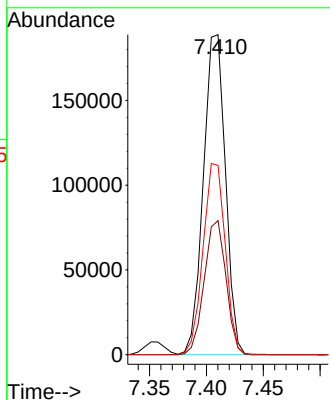
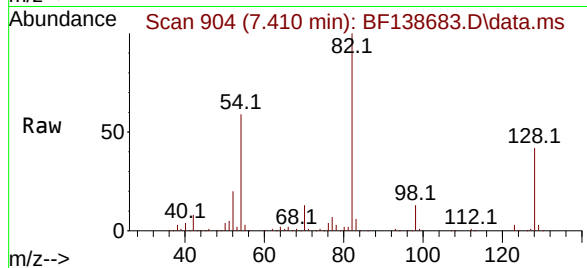




#23
Nitrobenzene-d5
Concen: 41.480 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

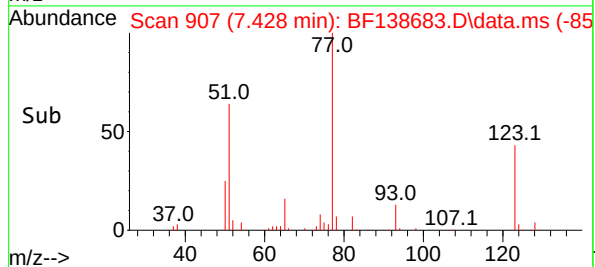
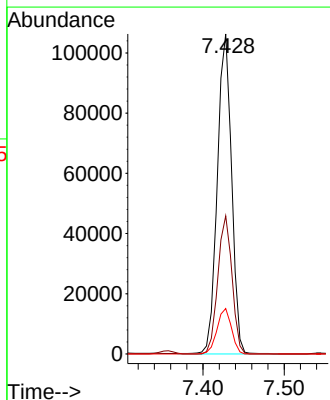
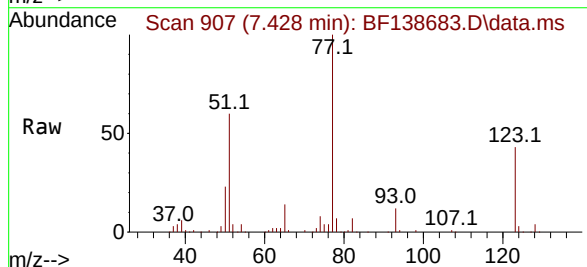
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

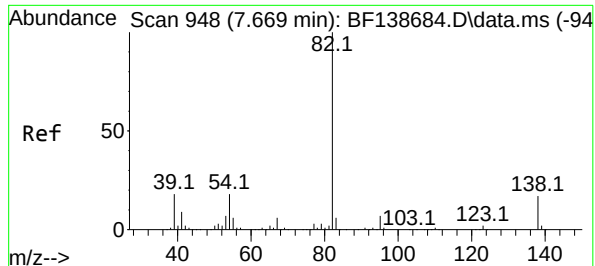
Tgt Ion: 82 Resp: 255192
Ion Ratio Lower Upper
82 100
128 41.9 32.8 49.2
54 59.2 48.3 72.5



#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 :

SSTDICC020

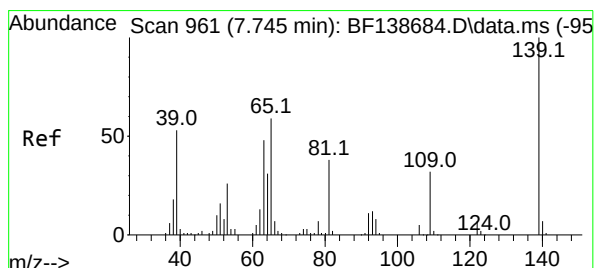
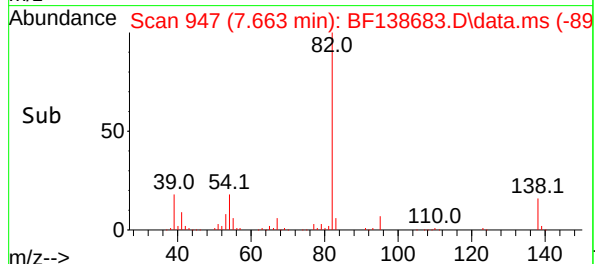
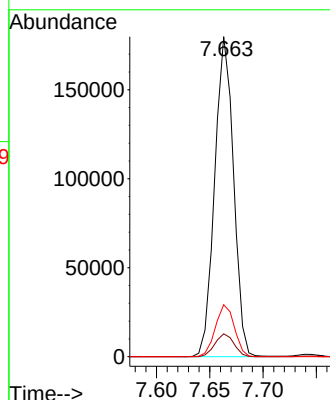
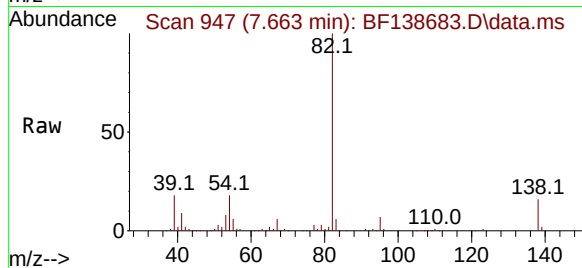
Tgt Ion: 82 Resp: 220971

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

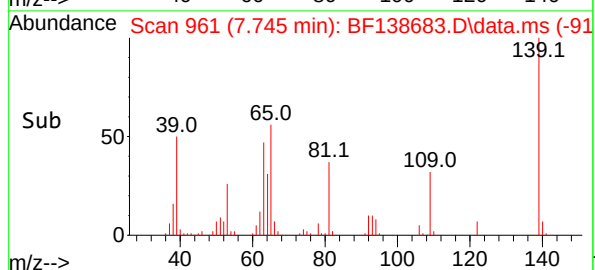
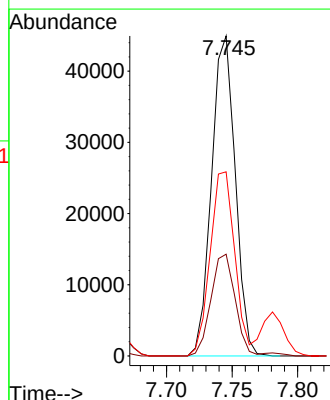
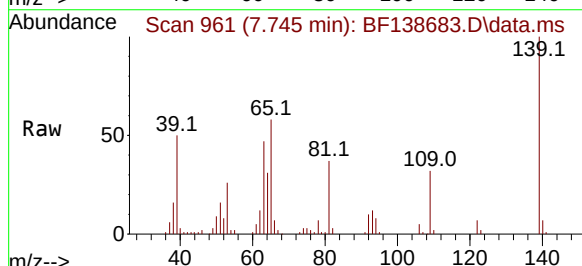
Tgt Ion:139 Resp: 56578

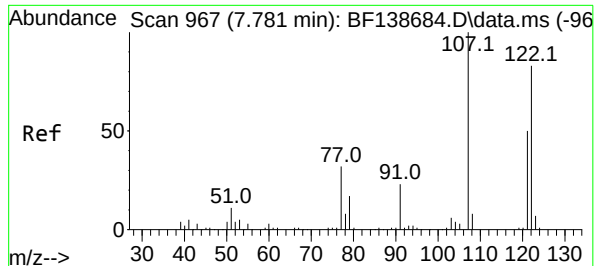
Ion Ratio Lower Upper

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

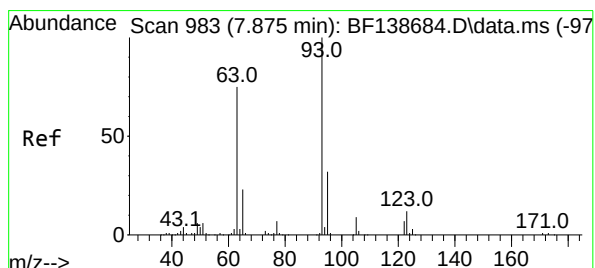
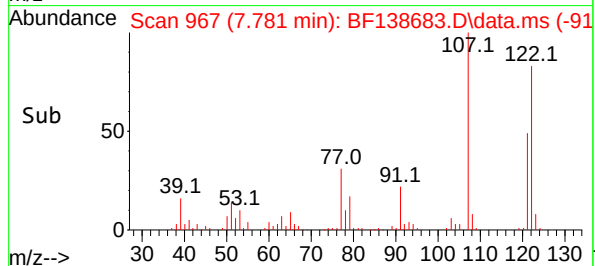
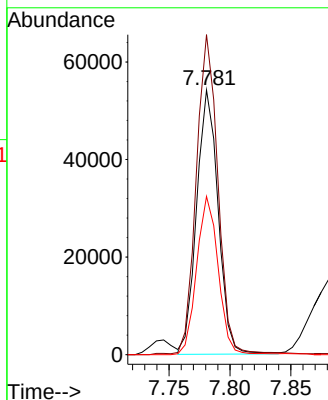
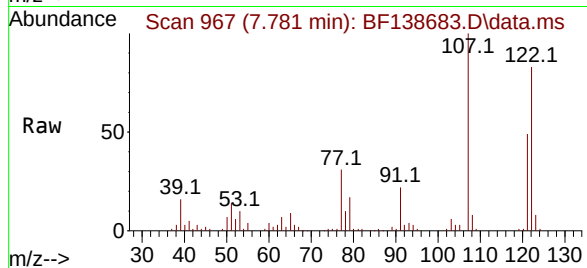
Tgt Ion:122 Resp: 66449

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

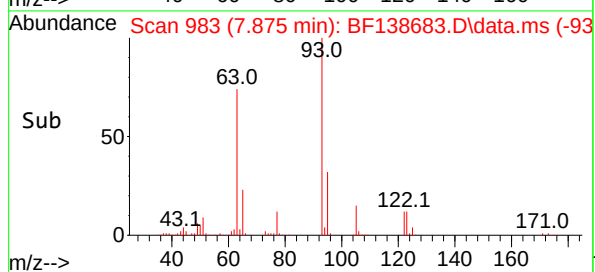
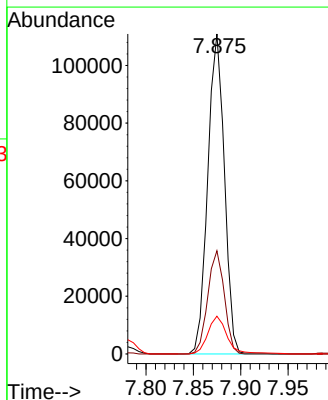
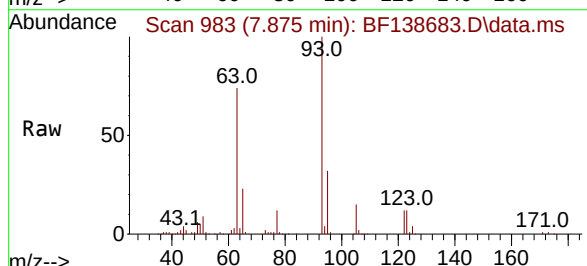
Tgt Ion: 93 Resp: 135096

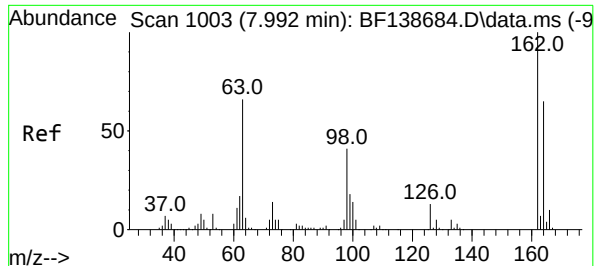
Ion Ratio Lower Upper

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

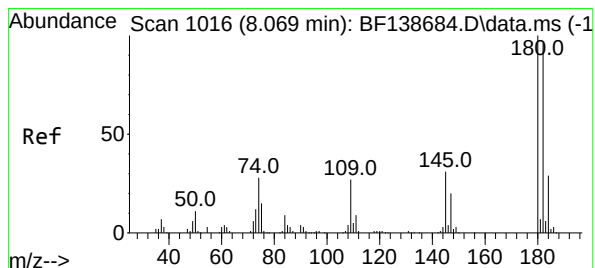
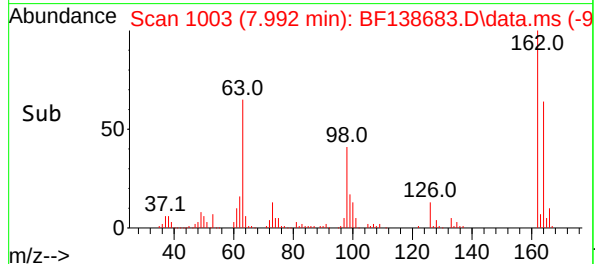
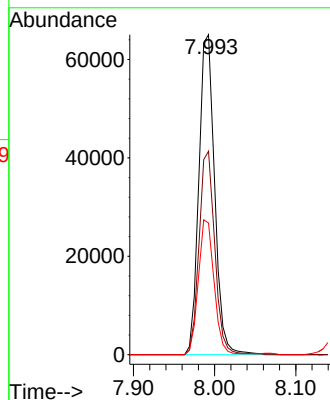
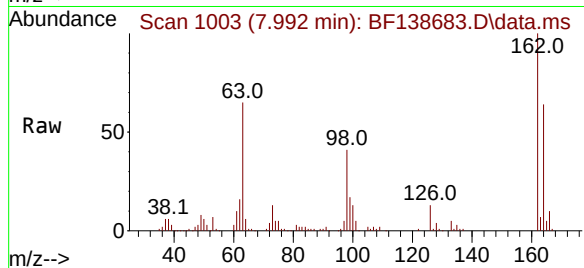
Tgt Ion:162 Resp: 88156

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

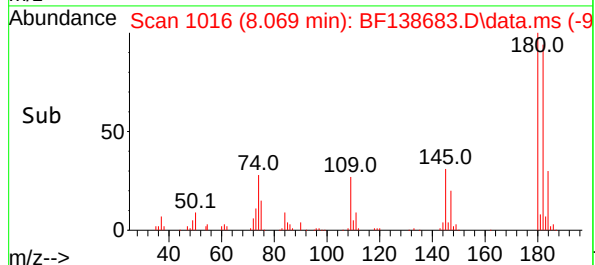
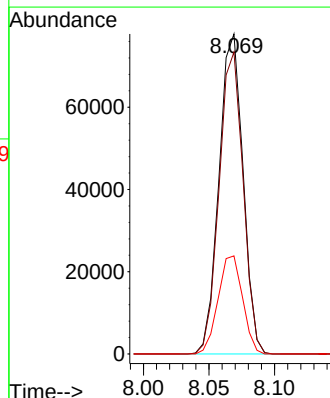
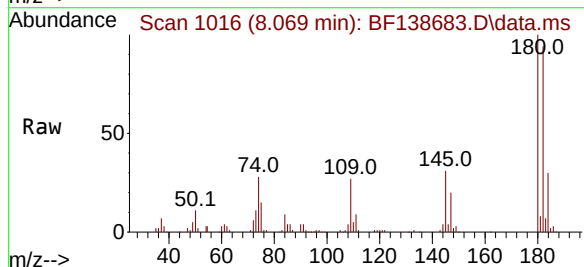
Tgt Ion:180 Resp: 98908

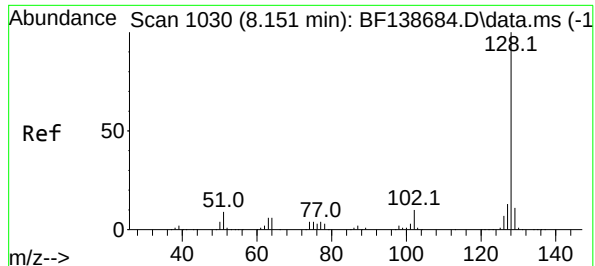
Ion Ratio Lower Upper

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

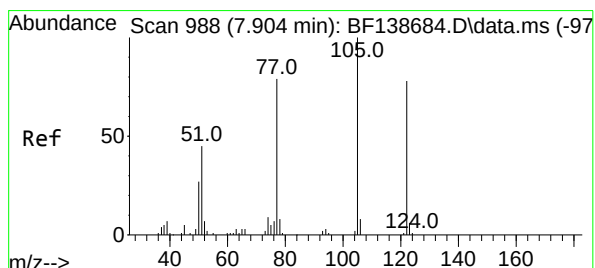
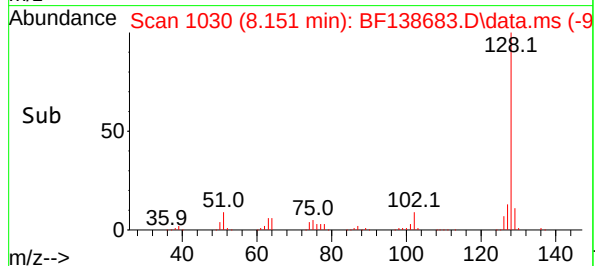
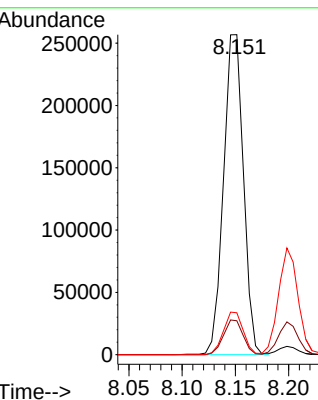
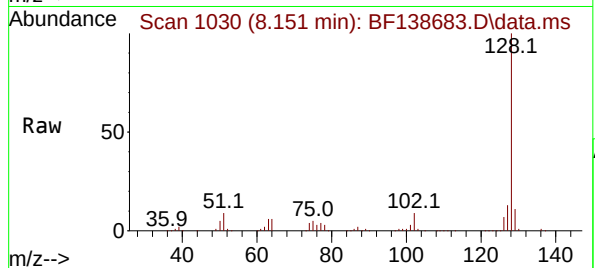
Tgt Ion:128 Resp: 333821

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

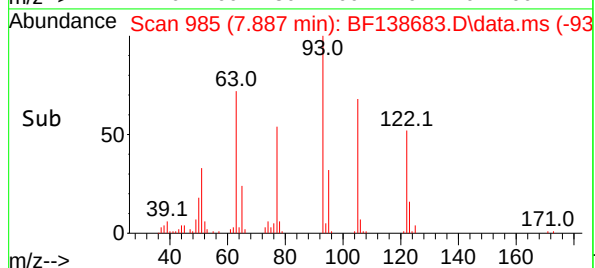
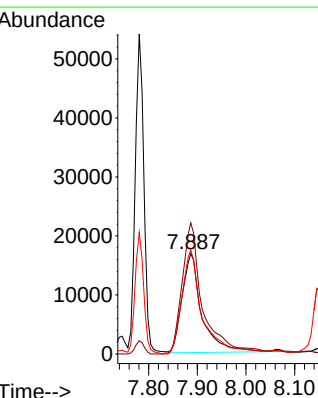
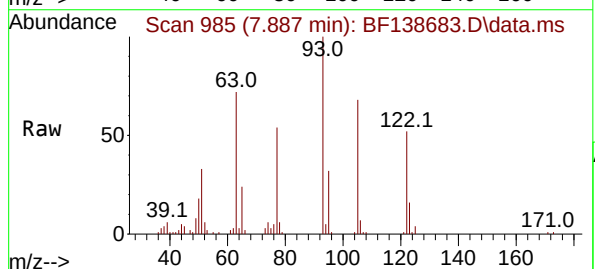
Tgt Ion:122 Resp: 47452

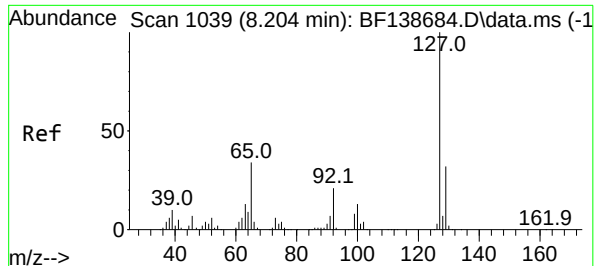
Ion Ratio Lower Upper

122 100

105 130.8 106.7 146.7

77 103.7 81.1 121.1

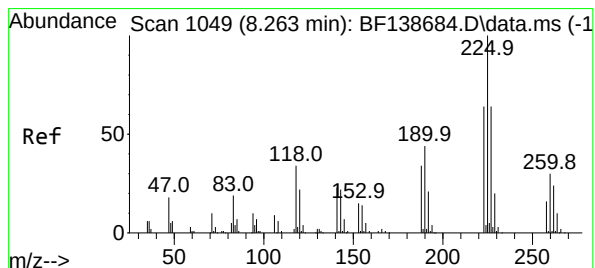
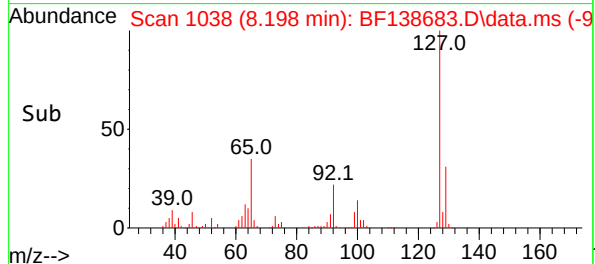
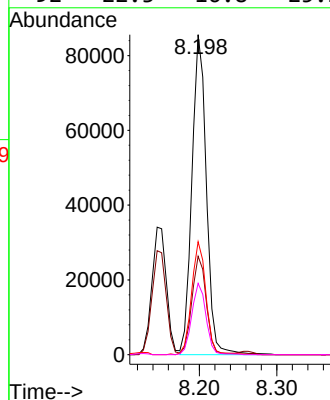
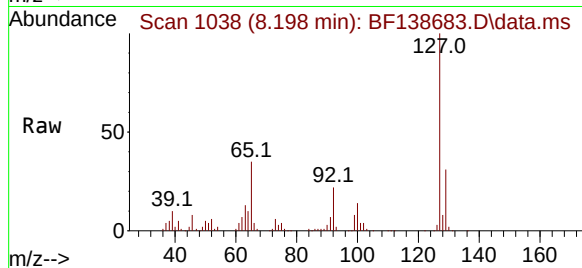




#33
4-Chloroaniline
Concen: 20.887 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

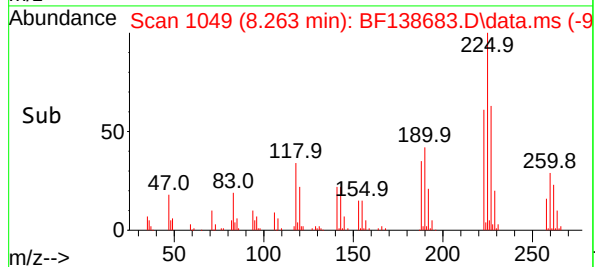
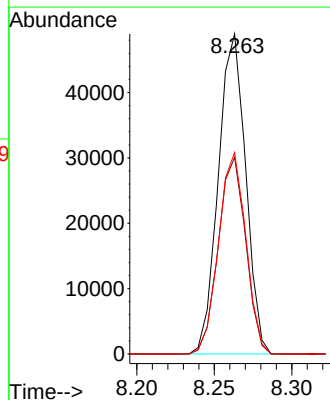
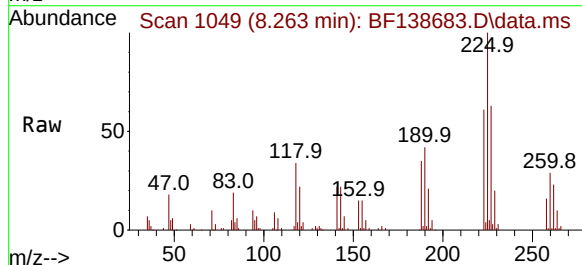
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

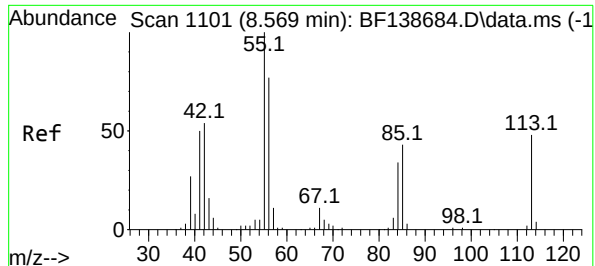
Tgt Ion:127 Resp: 111005
Ion Ratio Lower Upper
127 100
129 30.7 25.9 38.9
65 35.3 27.6 41.4
92 22.3 16.8 25.2



#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

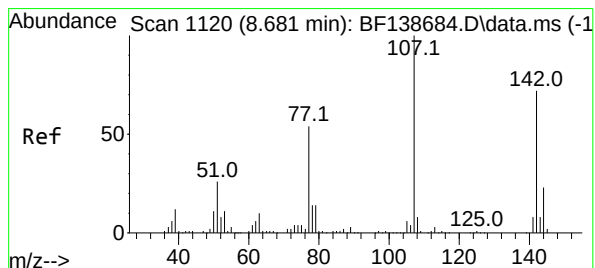
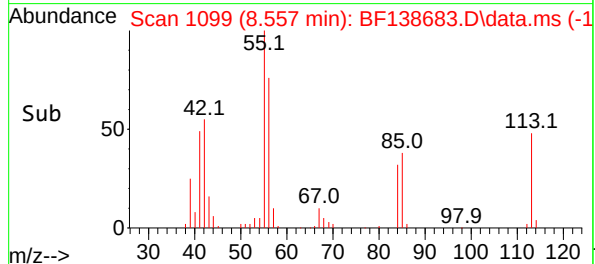
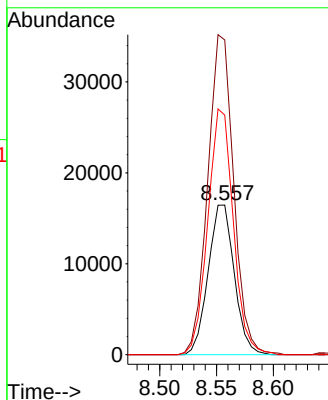
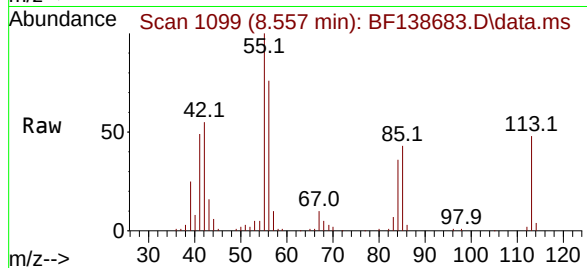




#35
Caprolactam
Concen: 21.333 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

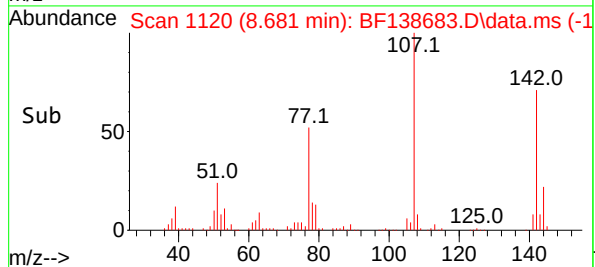
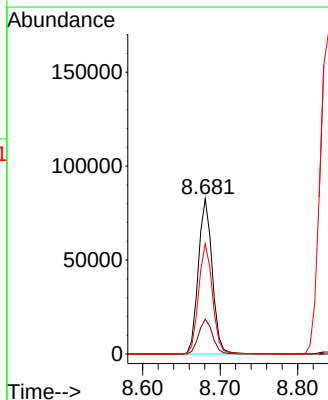
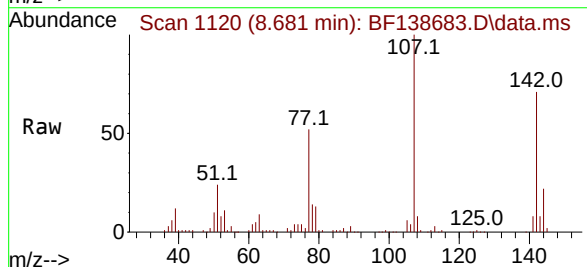
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

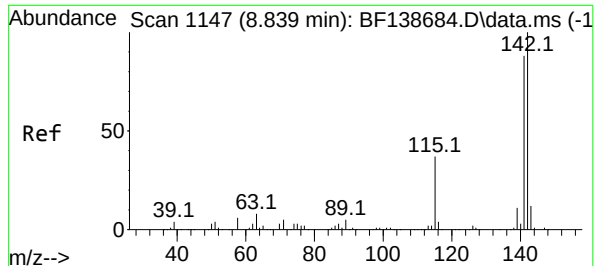
Tgt Ion:113 Resp: 26359
Ion Ratio Lower Upper
113 100
55 210.5 186.7 226.7
56 160.2 138.9 178.9



#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 :

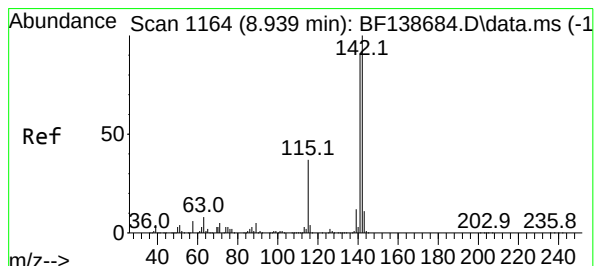
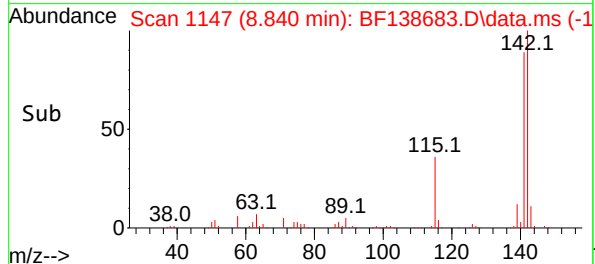
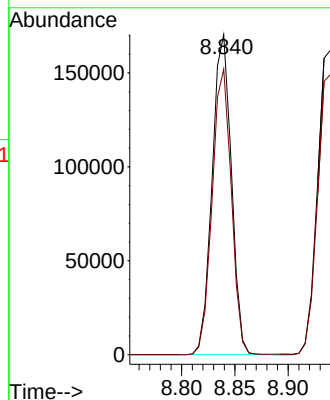
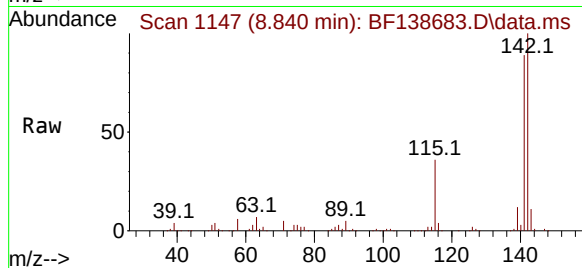
SSTDICC020

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

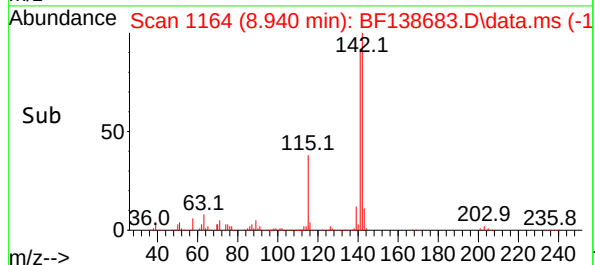
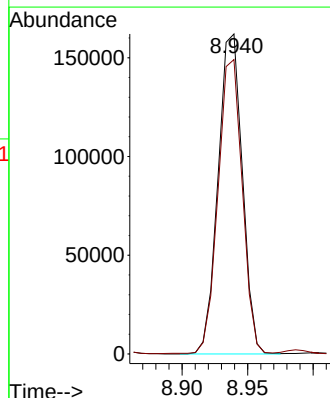
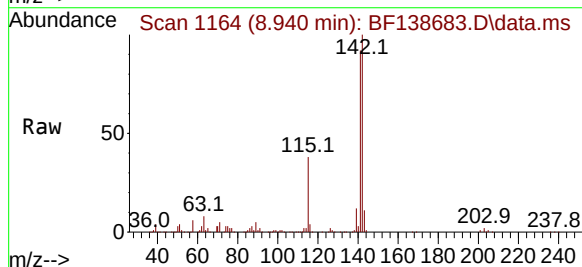
Acq: 30 Jul 2024 14:25

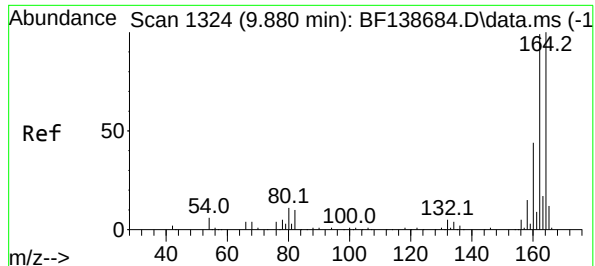
Tgt Ion:142 Resp: 208242

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# 11

Delta R.T. 0.001 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

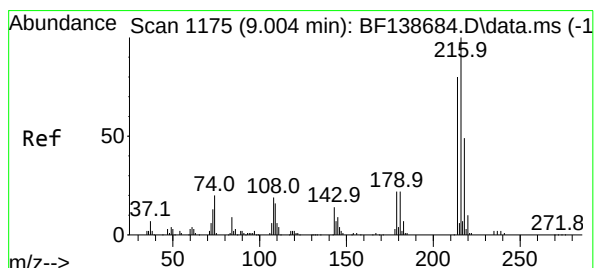
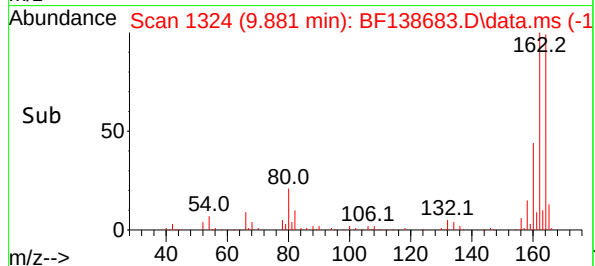
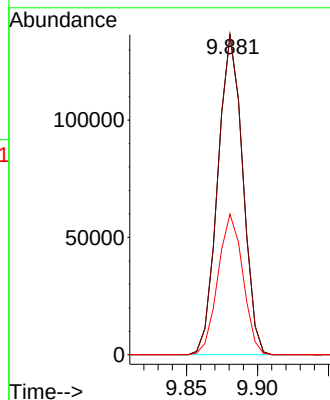
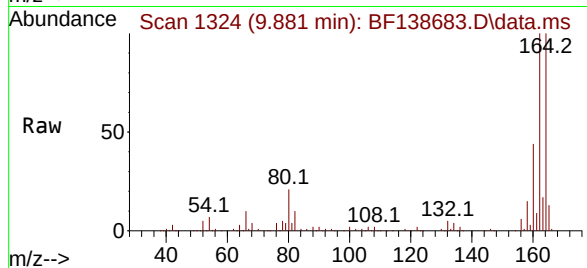
Tgt Ion:164 Resp: 166031

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

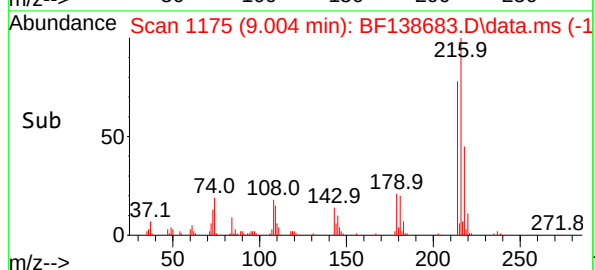
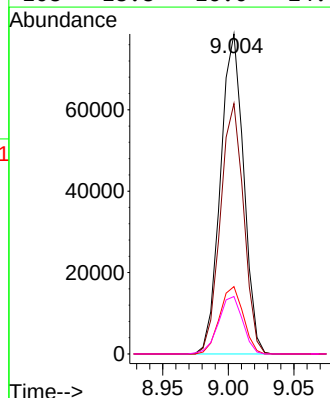
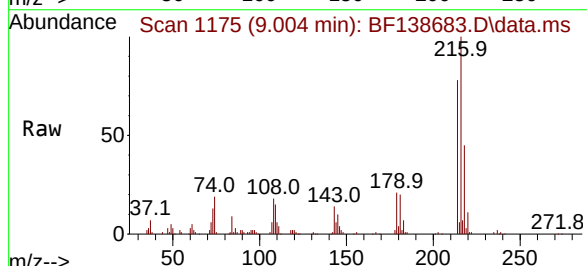
Ion Ratio Lower Upper

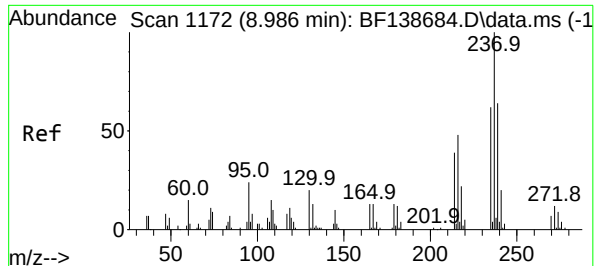
216 100

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

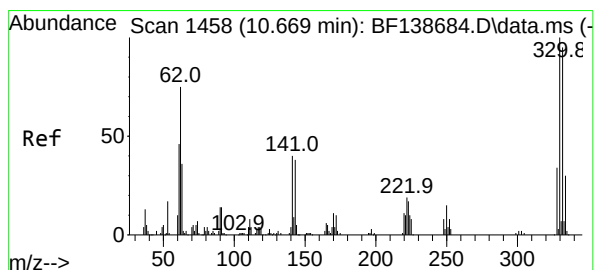
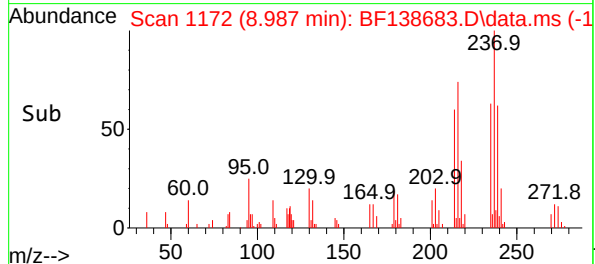
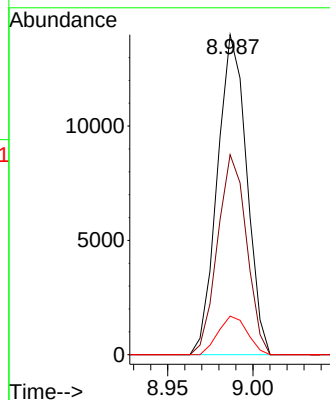
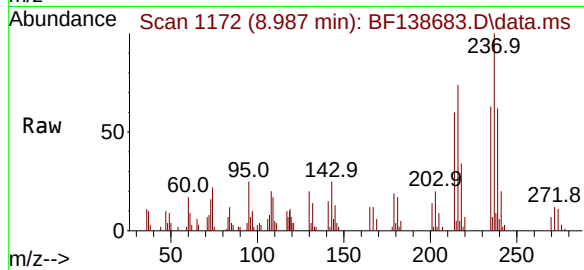
Tgt Ion:237 Resp: 16767

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

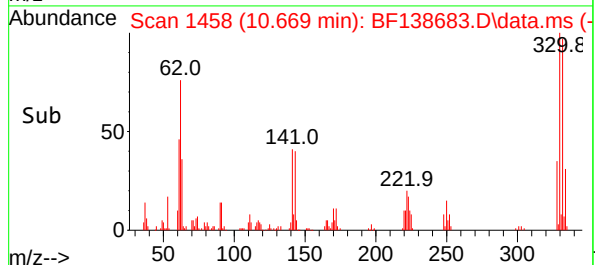
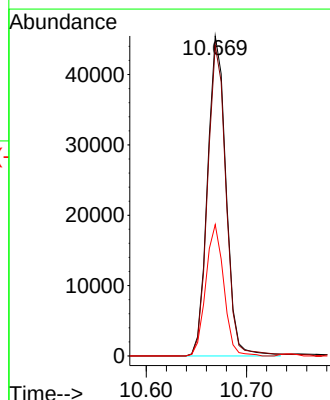
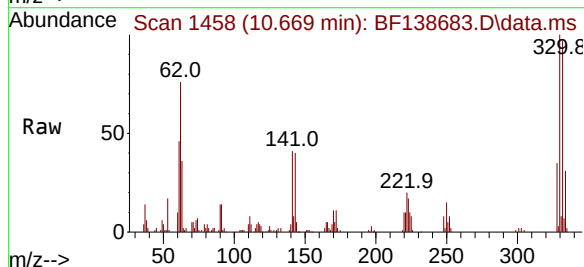
Tgt Ion:330 Resp: 58374

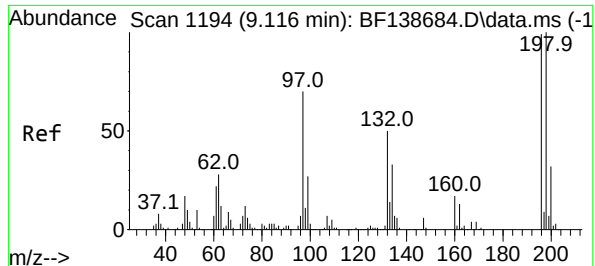
Ion Ratio Lower Upper

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

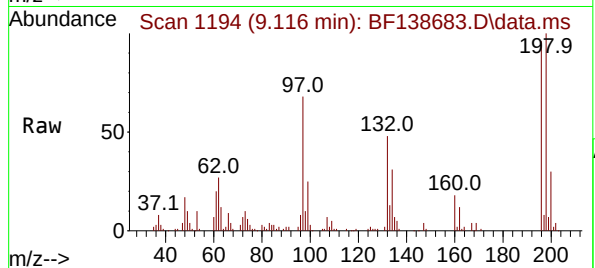
Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



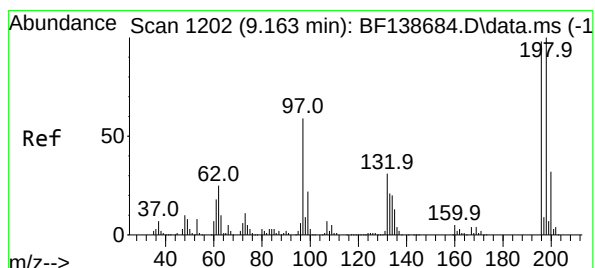
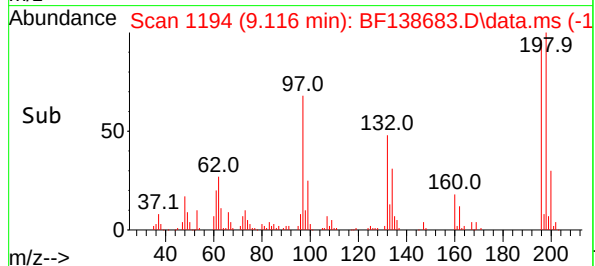
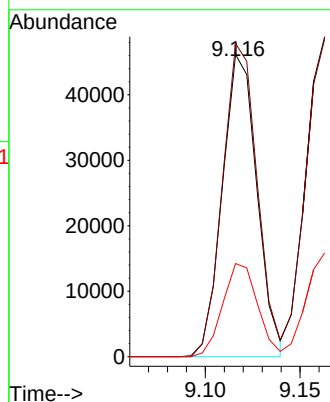
Tgt Ion:196 Resp: 58575

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

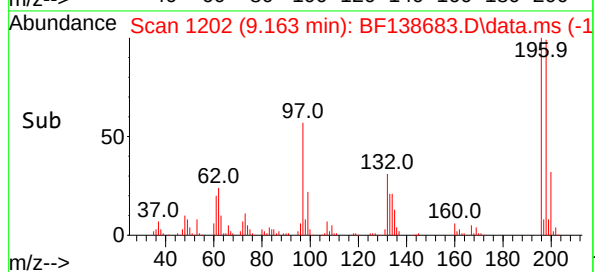
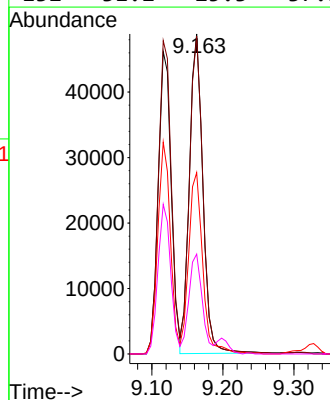
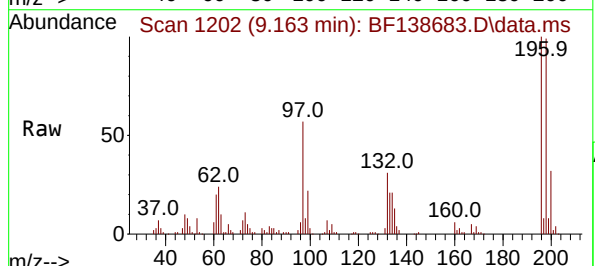
Ion Ratio Lower Upper

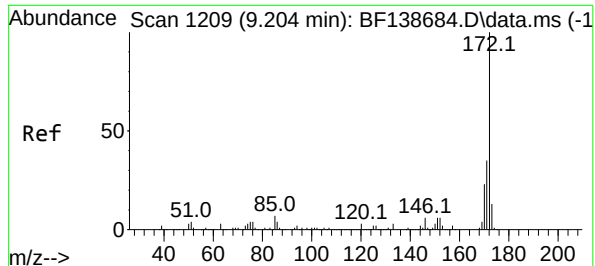
196 100

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

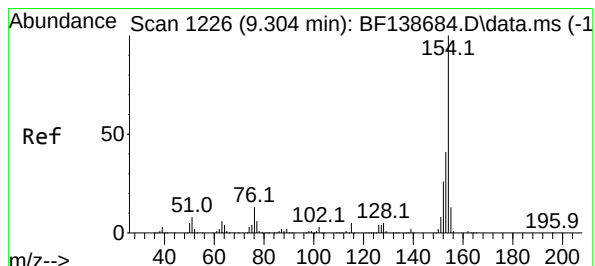
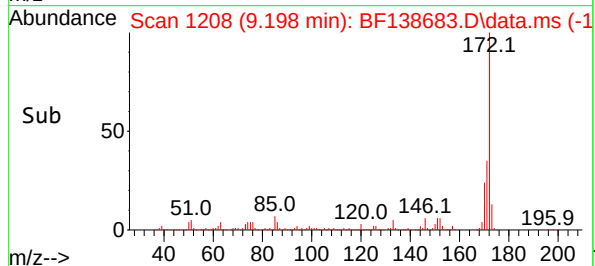
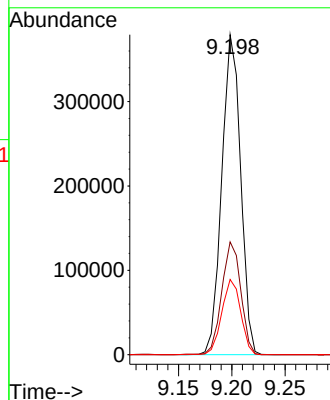
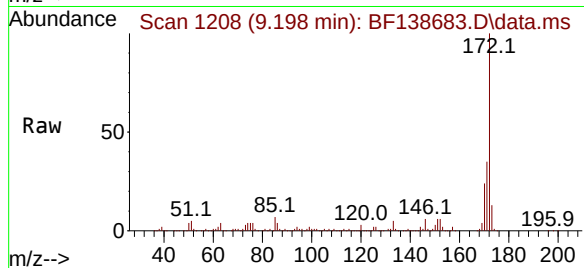
Tgt Ion:172 Resp: 465641

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

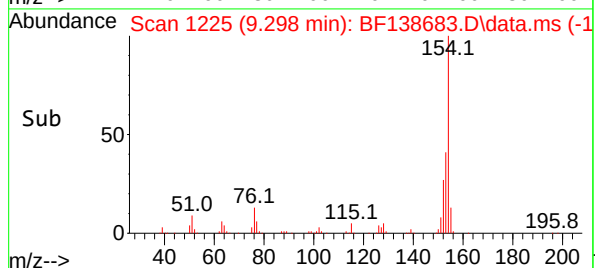
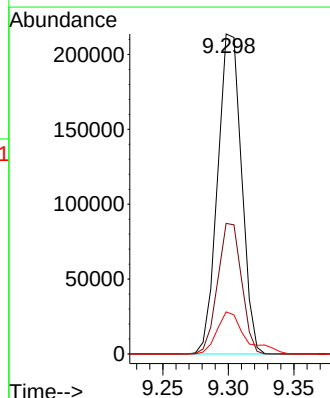
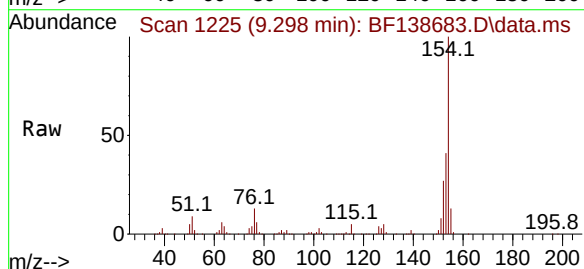
Tgt Ion:154 Resp: 270560

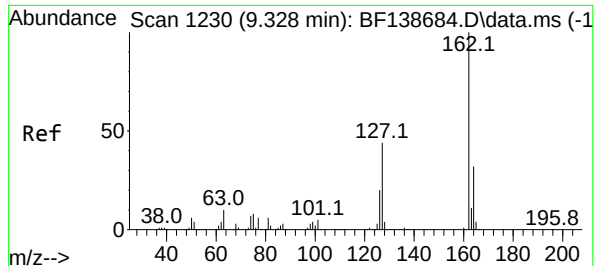
Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

76 13.2 0.0 32.8

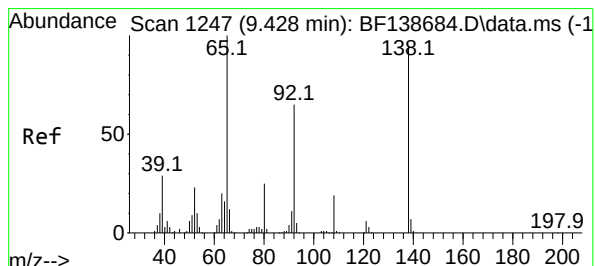
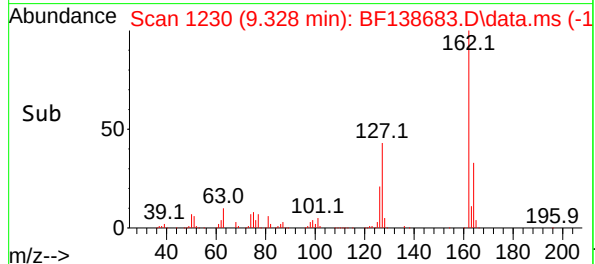
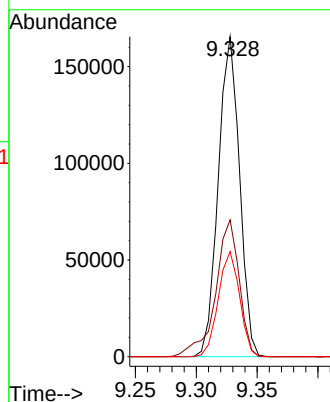
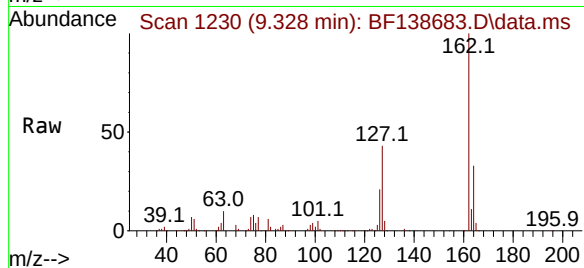




#47
2-Chloronaphthalene
Concen: 20.822 ng
RT: 9.328 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

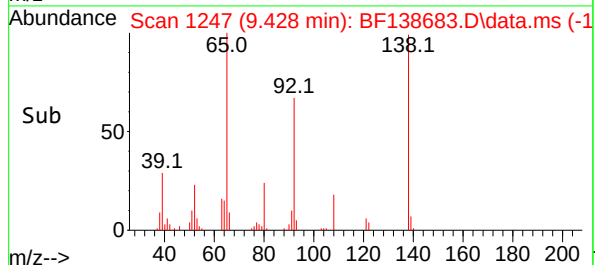
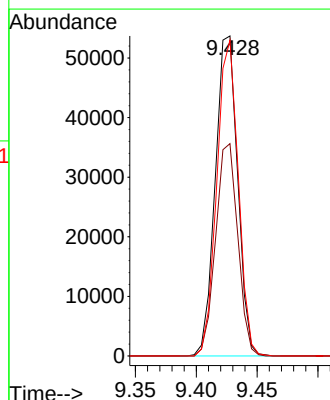
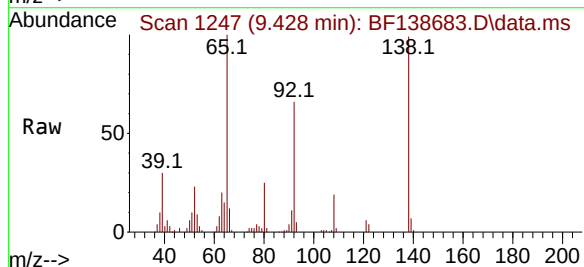
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

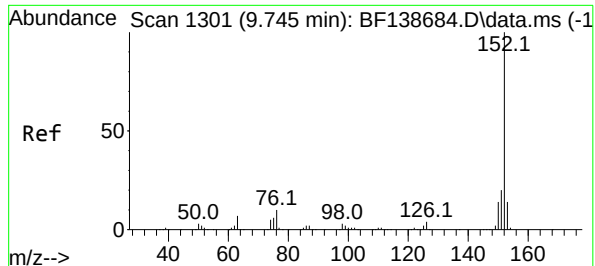
Tgt Ion:162 Resp: 201367
Ion Ratio Lower Upper
162 100
127 42.8 35.4 53.2
164 32.9 25.6 38.4



#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

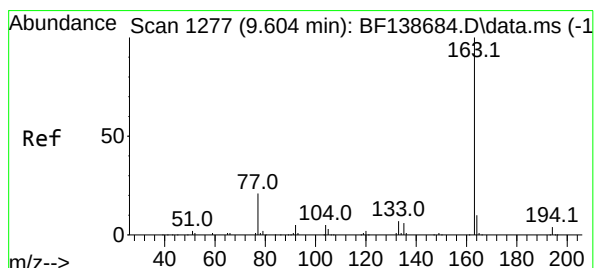
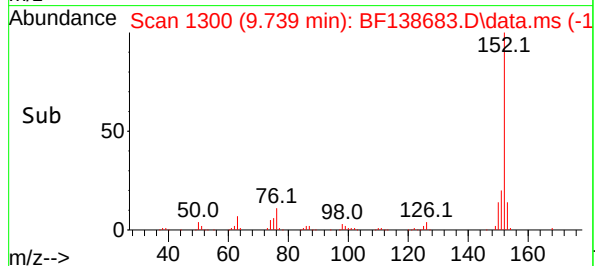
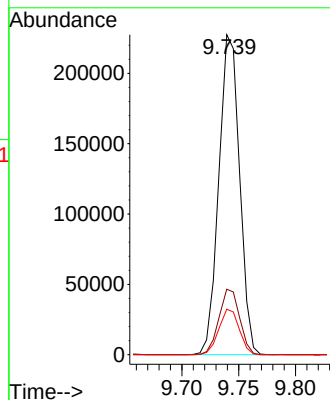
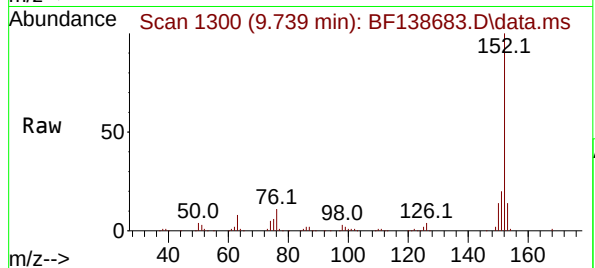
Tgt Ion:152 Resp: 289321

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

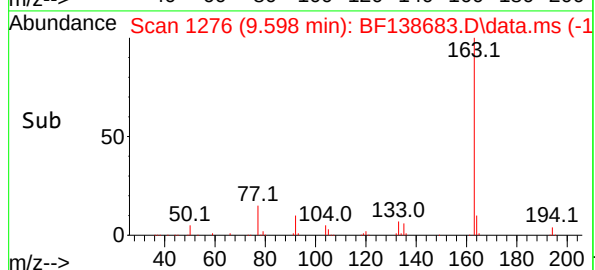
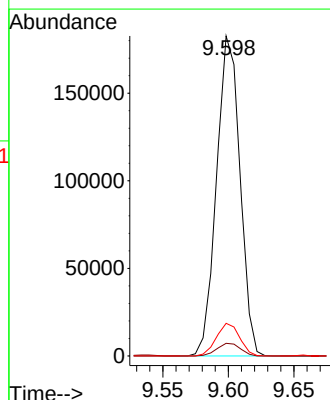
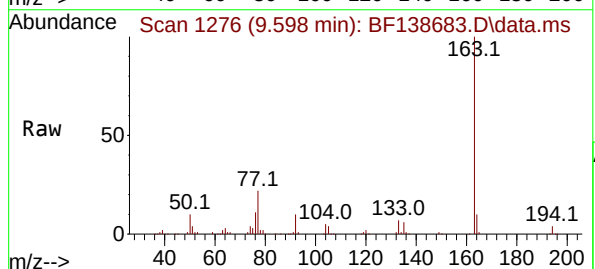
Tgt Ion:163 Resp: 226938

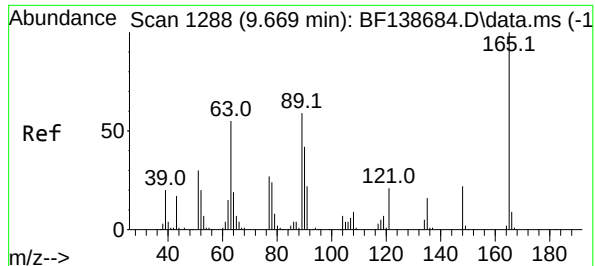
Ion Ratio Lower Upper

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

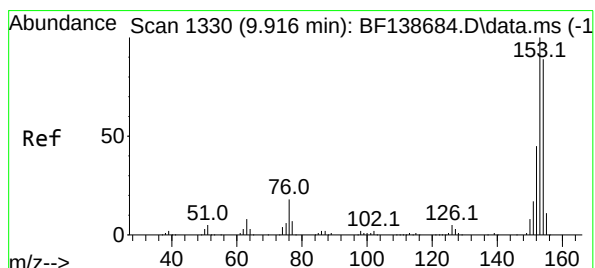
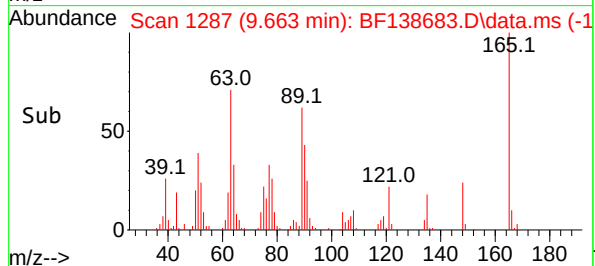
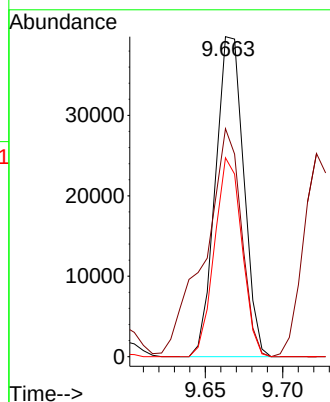
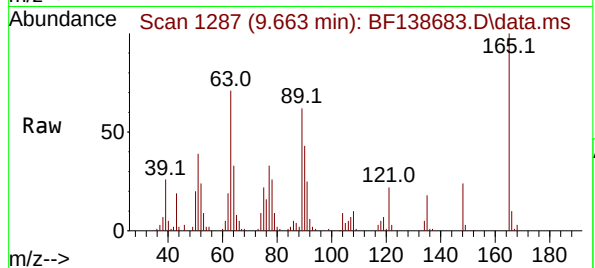
Tgt Ion:165 Resp: 50501

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

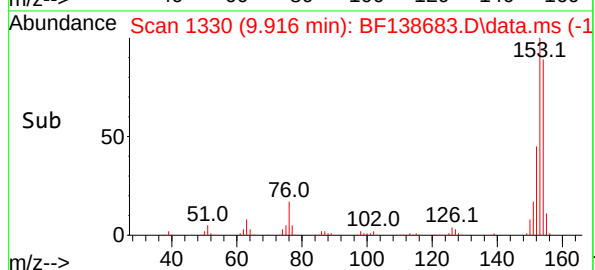
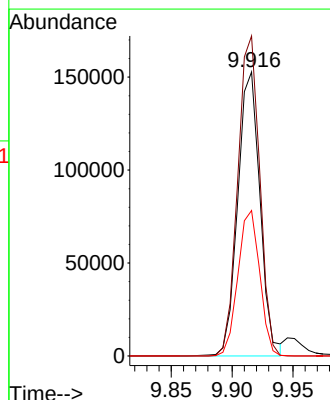
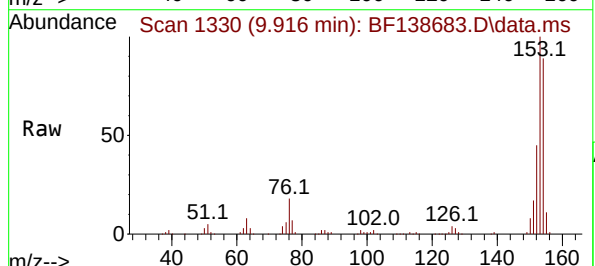
Tgt Ion:154 Resp: 194057

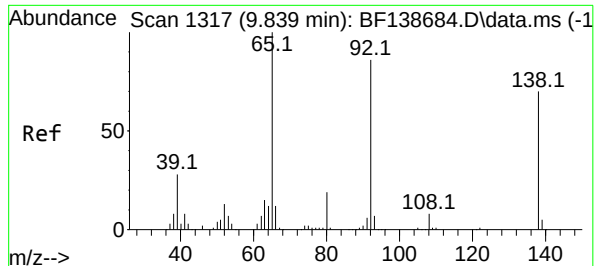
Ion Ratio Lower Upper

154 100

153 112.6 89.9 134.9

152 51.2 40.6 60.8

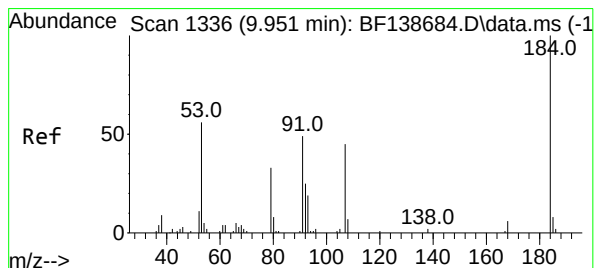
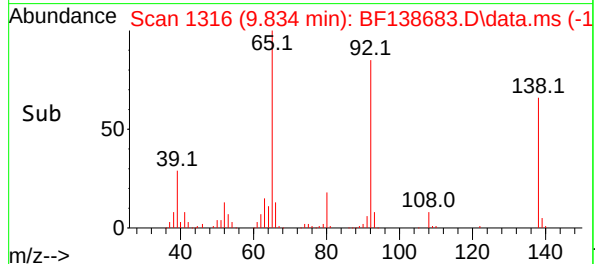
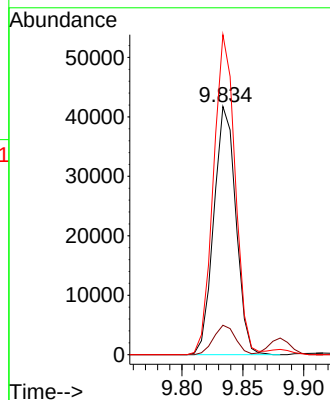
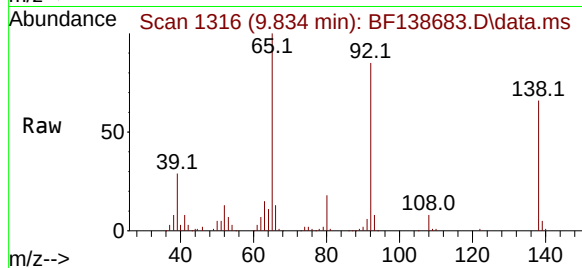




#53
3-Nitroaniline
Concen: 21.244 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

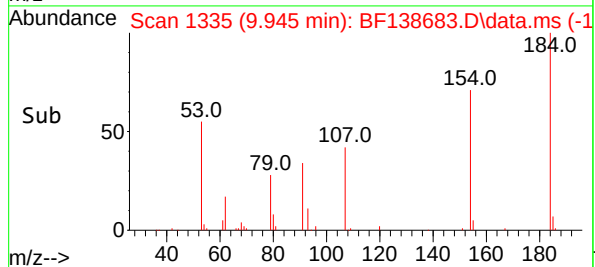
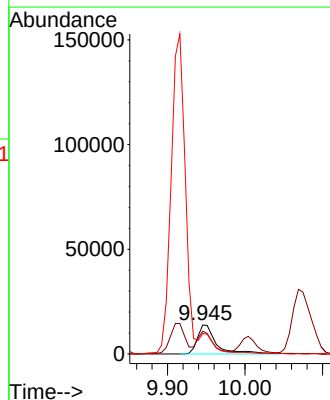
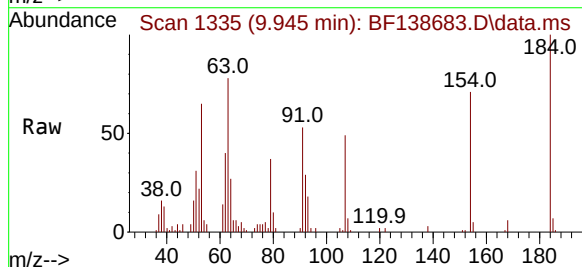
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

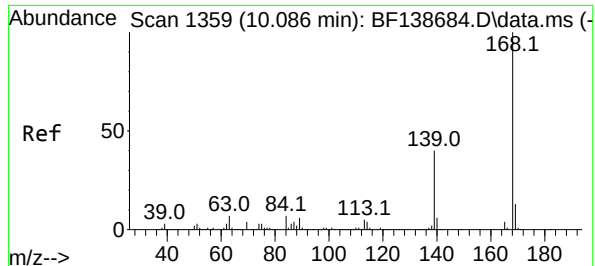
Tgt Ion:138 Resp: 52618
Ion Ratio Lower Upper
138 100
108 11.9 9.1 13.7
92 128.9 98.7 148.1



#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

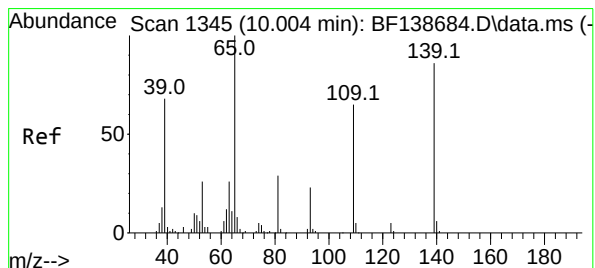
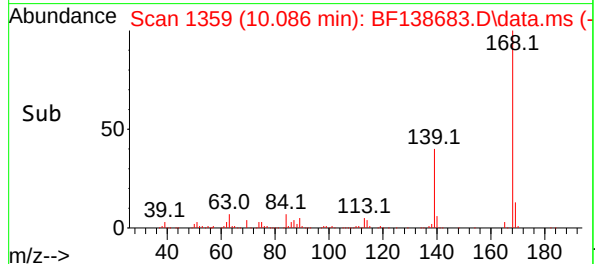
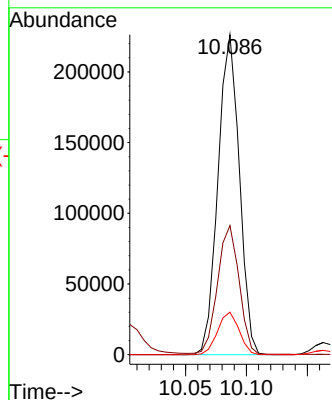
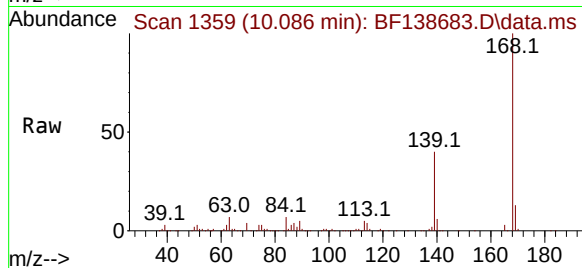




#55
Dibenzofuran
Concen: 21.249 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

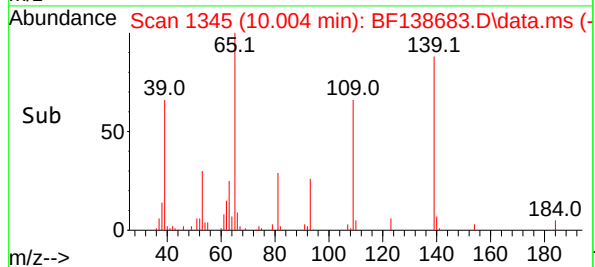
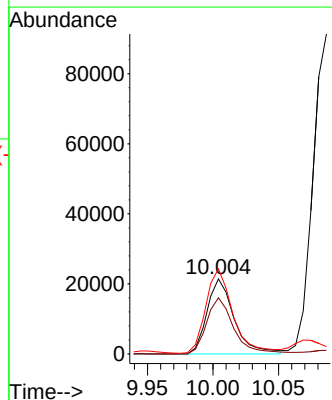
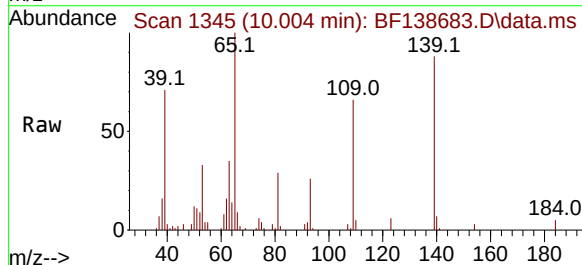
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

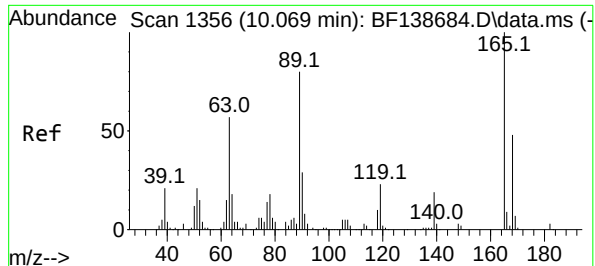
Tgt Ion:168 Resp: 276572
Ion Ratio Lower Upper
168 100
139 40.4 32.6 49.0
169 13.3 10.7 16.1



#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

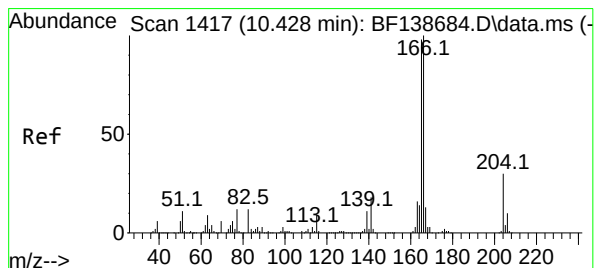
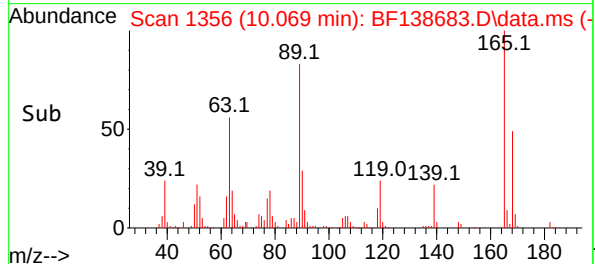
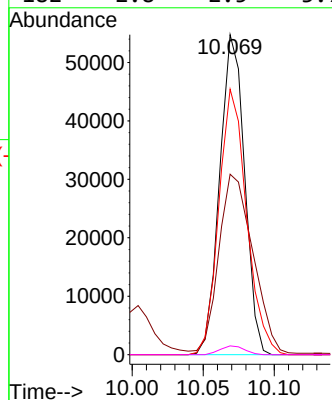
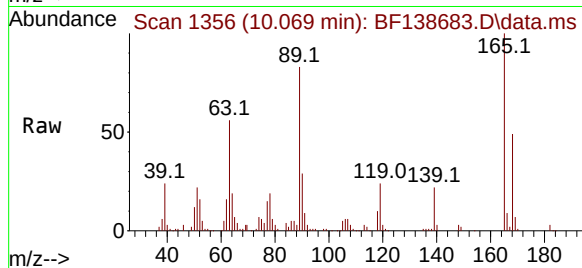




#57
2,4-Dinitrotoluene
Concen: 21.832 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

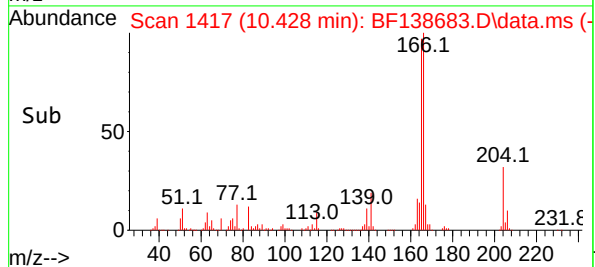
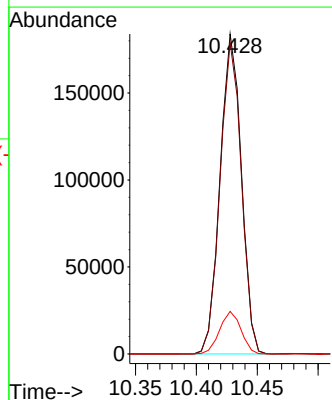
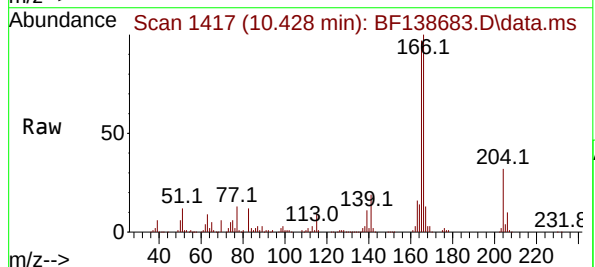
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

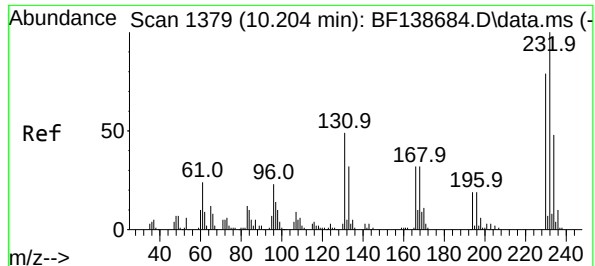
Tgt Ion:165 Resp: 66734
Ion Ratio Lower Upper
165 100
63 56.4 46.3 69.5
89 82.9 64.2 96.4
182 2.8 2.5 3.7



#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

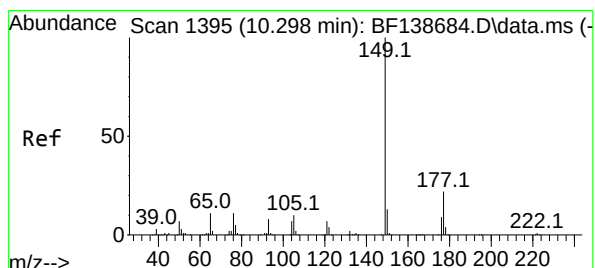
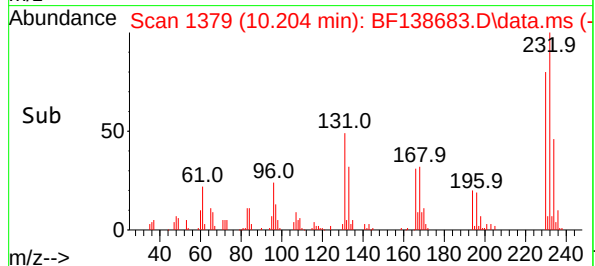
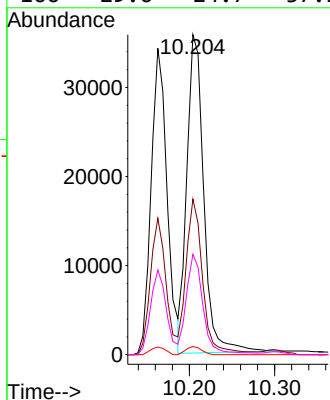
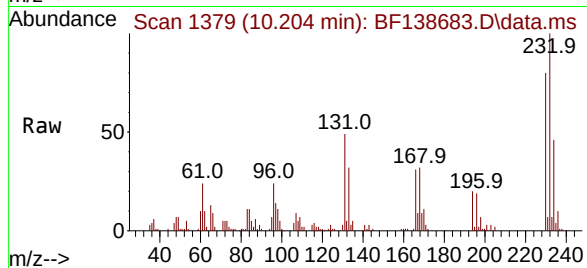
Ion Ratio Lower Upper

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

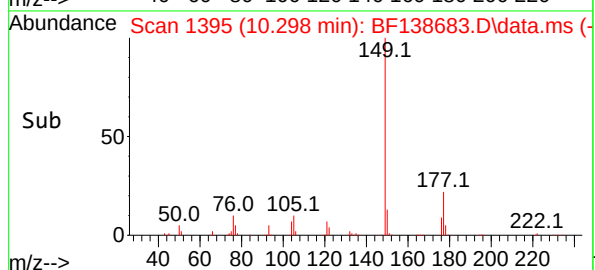
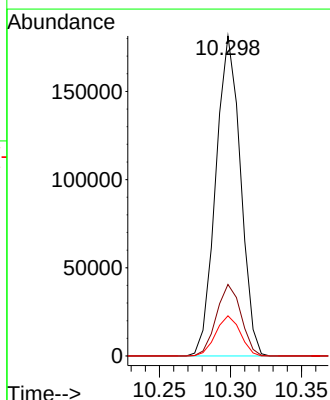
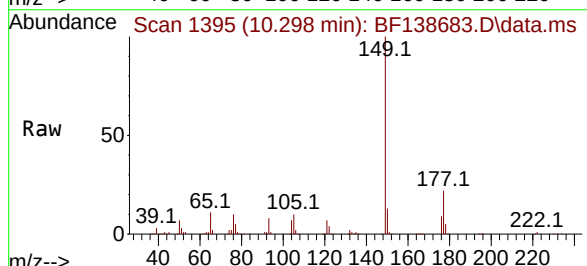
Tgt Ion:149 Resp: 219374

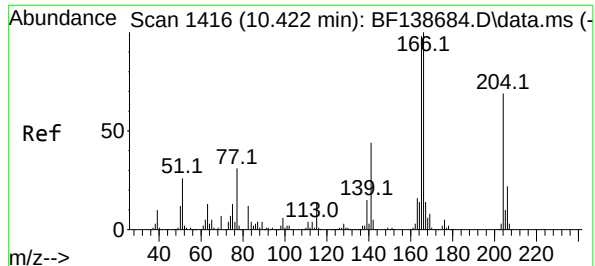
Ion Ratio Lower Upper

149 100

177 22.4 17.8 26.8

150 12.6 10.1 15.1

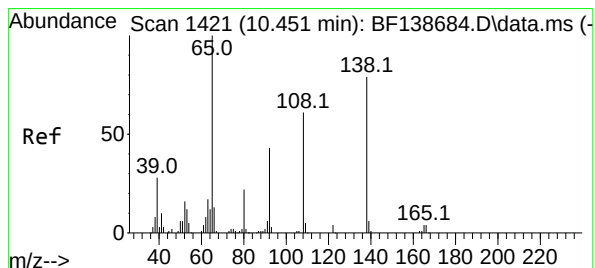
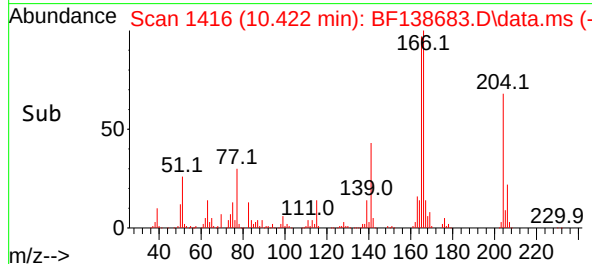
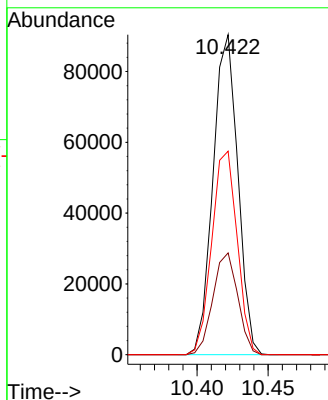
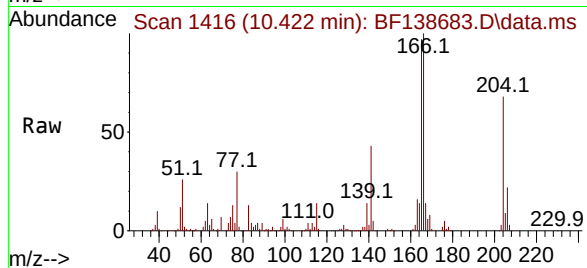




#61
4-Chlorophenyl-phenylether
Concen: 21.552 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

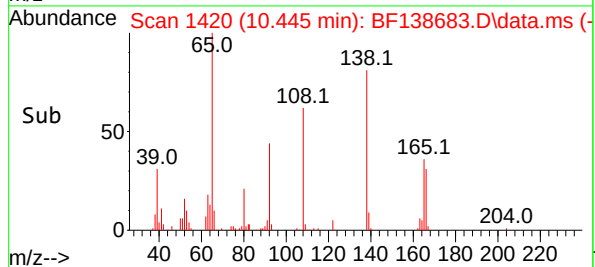
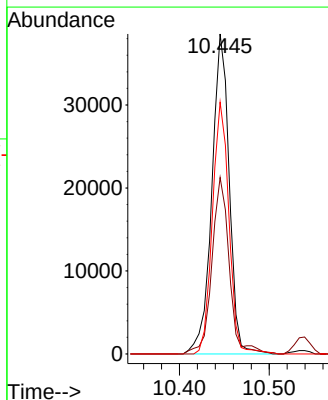
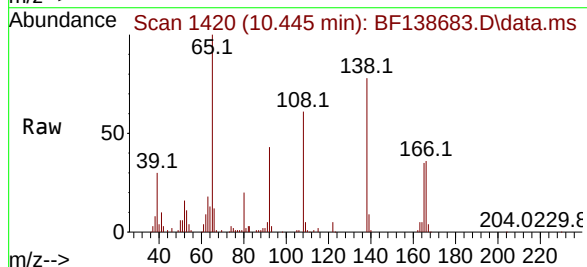
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

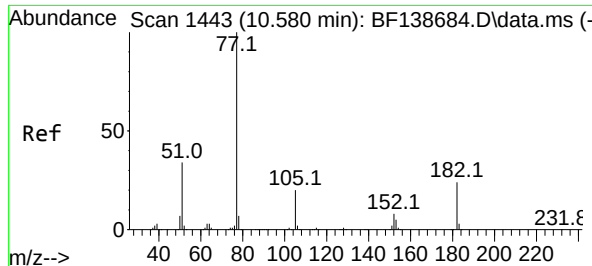
Tgt Ion:204 Resp: 109862
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 63.6 51.4 77.0



#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

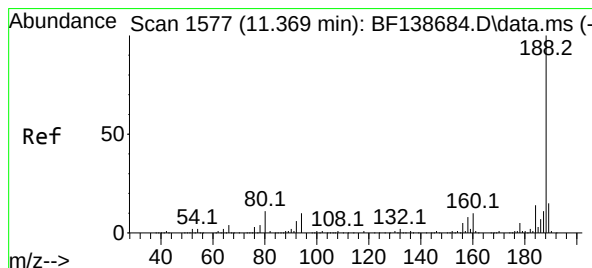
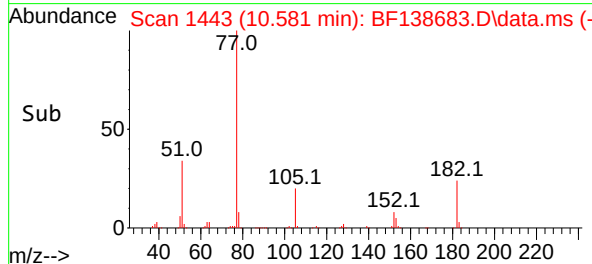
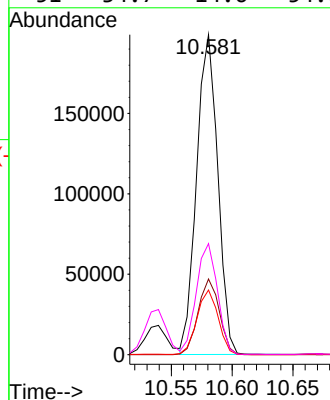
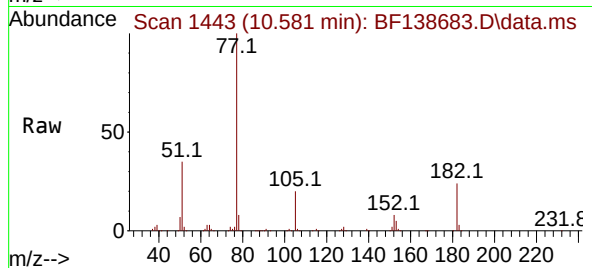




#63
Azobenzene
Concen: 21.566 ng
RT: 10.581 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

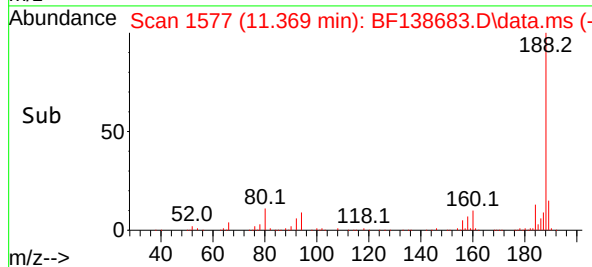
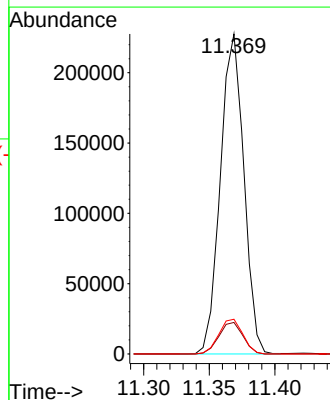
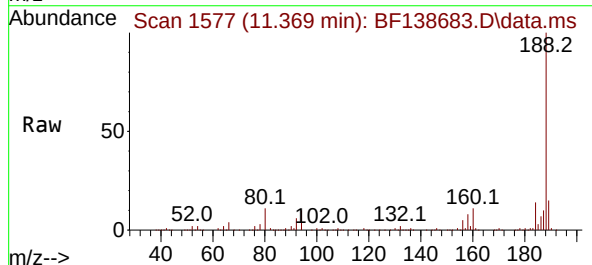
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

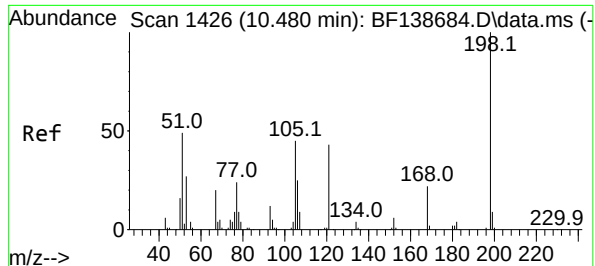
Tgt Ion: 77 Resp: 240769
Ion Ratio Lower Upper
77 100
182 23.7 3.4 43.4
105 20.2 0.2 40.2
51 34.7 14.6 54.6



#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

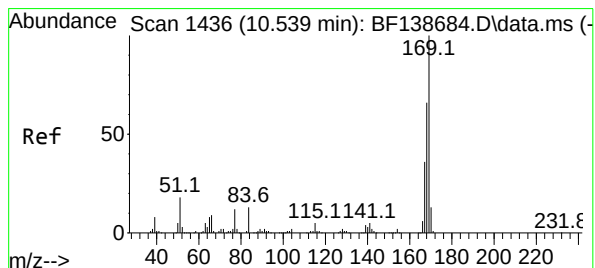
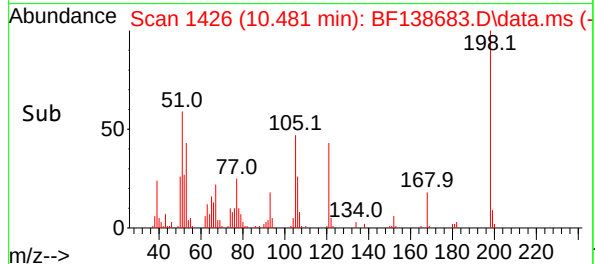
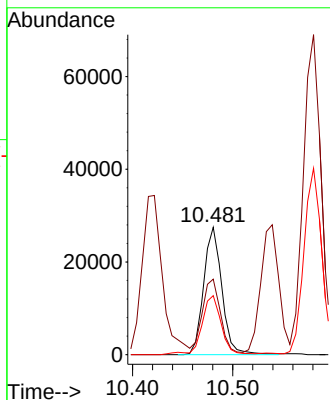
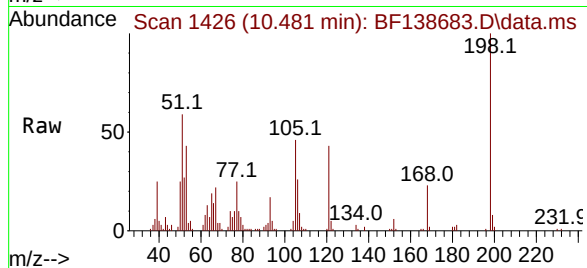




#65
4,6-Dinitro-2-methylphenol
Concen: 20.206 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

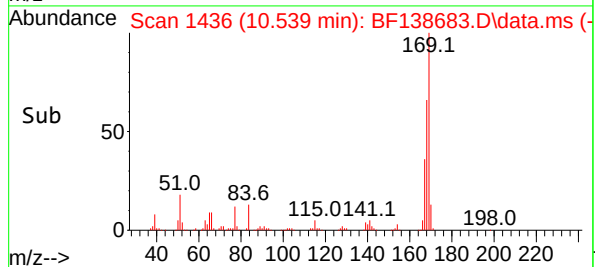
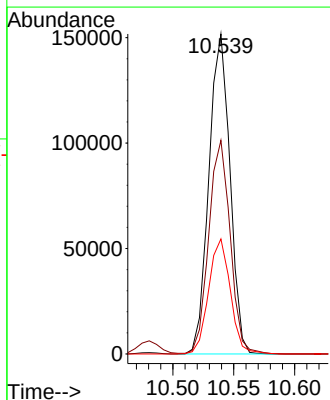
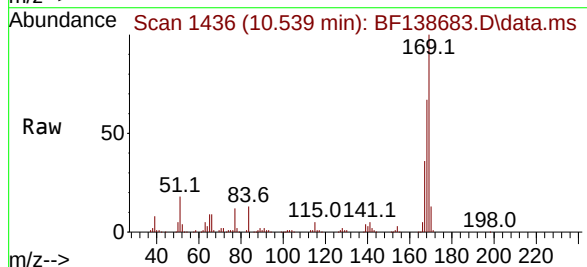
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

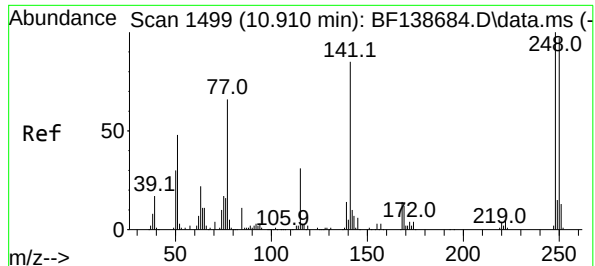
Tgt Ion:198 Resp: 34887
Ion Ratio Lower Upper
198 100
51 59.2 39.9 79.9
105 46.3 26.1 66.1



#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:169 Resp: 182551
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 35.9 29.0 43.6

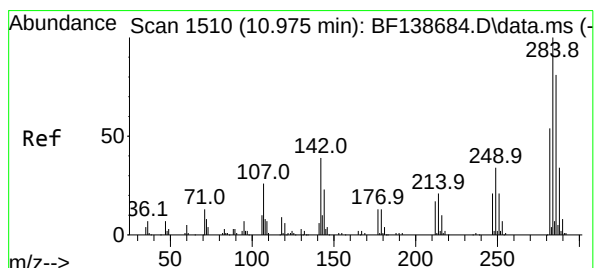
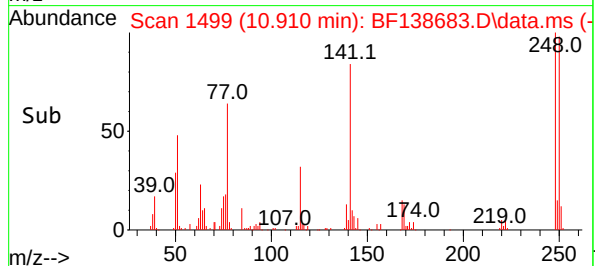
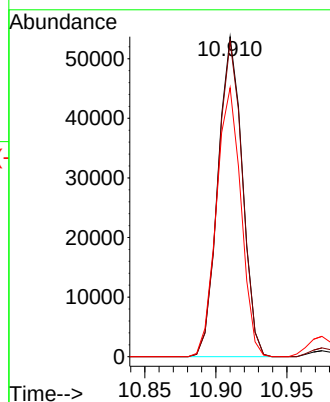
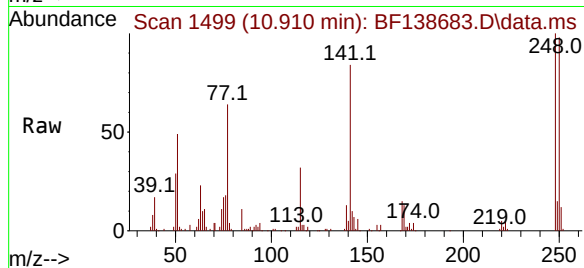




#67
4-Bromophenyl-phenylether
Concen: 20.903 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

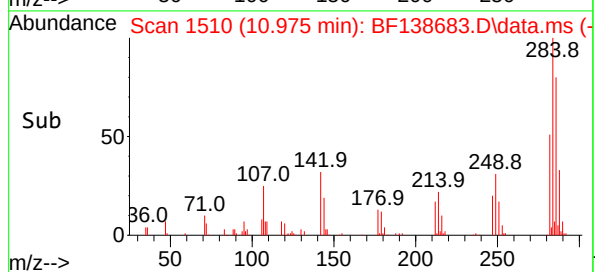
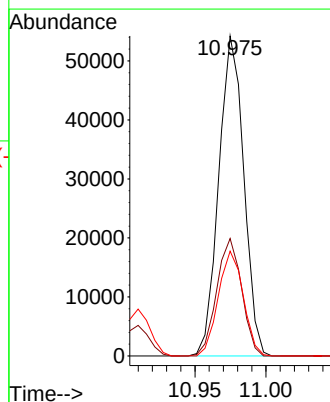
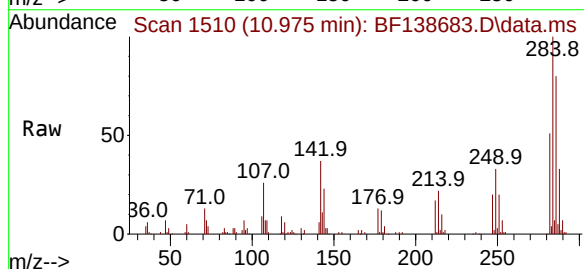
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

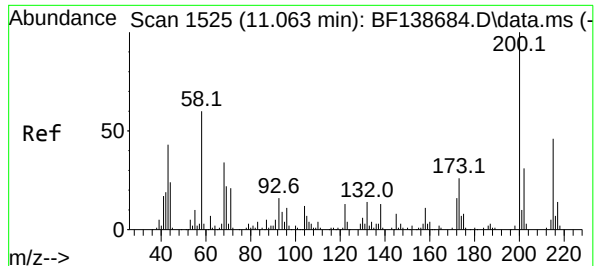
Tgt Ion:248 Resp: 64049
Ion Ratio Lower Upper
248 100
250 98.5 77.7 116.5
141 84.1 68.0 102.0



#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

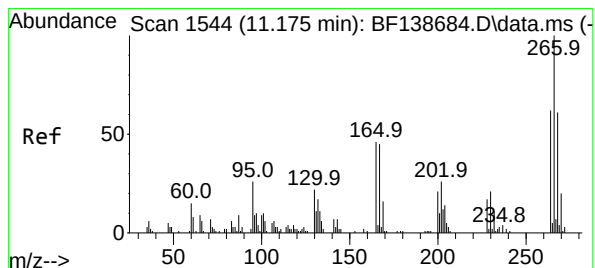
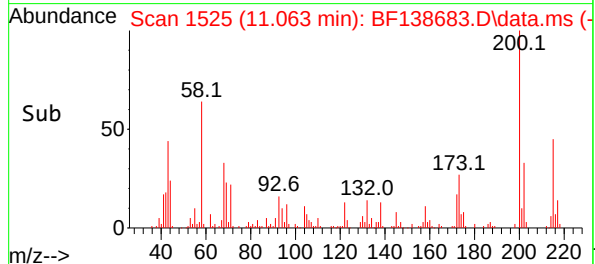
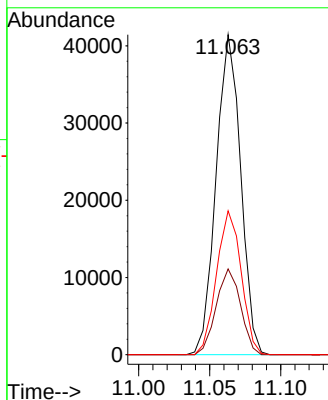
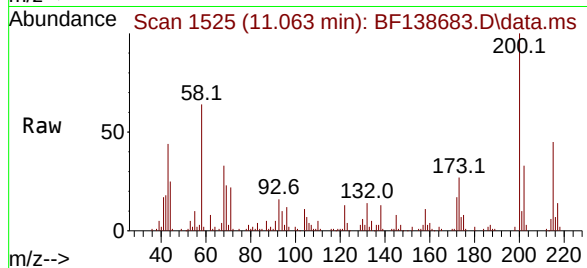




#69
Atrazine
Concen: 21.847 ng
RT: 11.063 min Scan# 1525
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

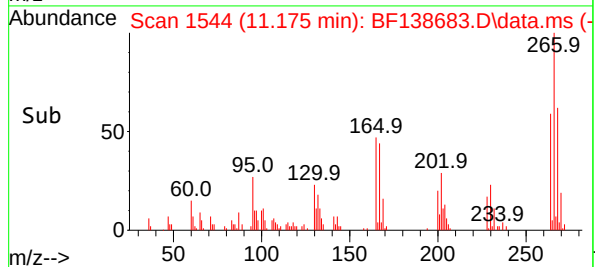
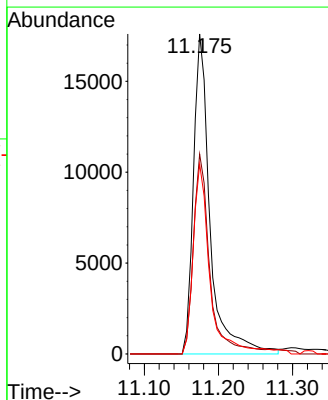
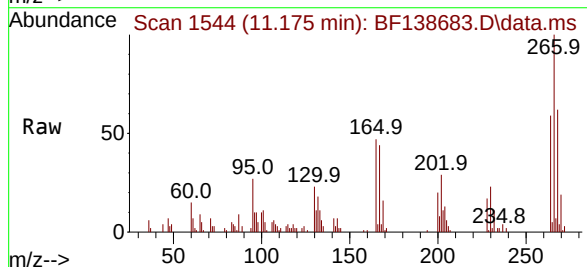
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

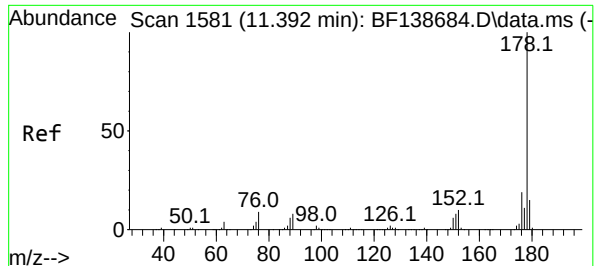
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.0	46.0
215	45.0	26.1	66.1



#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	Ratio	Lower	Upper
266	100		
268	62.5	49.2	73.8
264	59.4	49.8	74.6

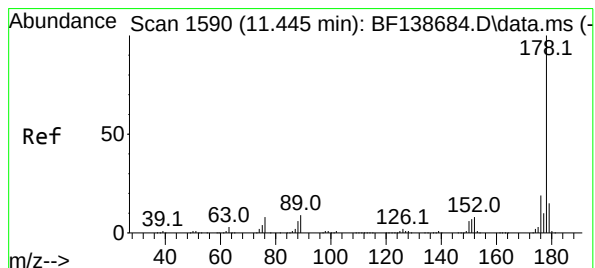
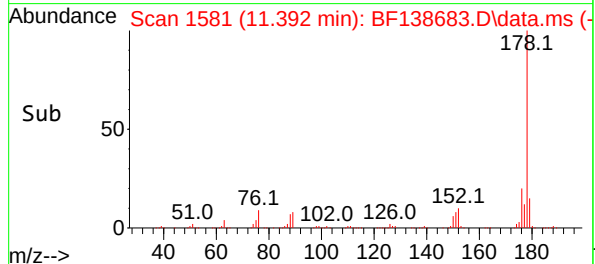
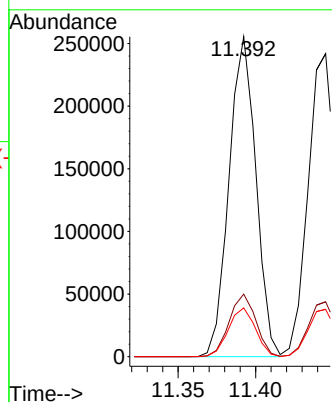
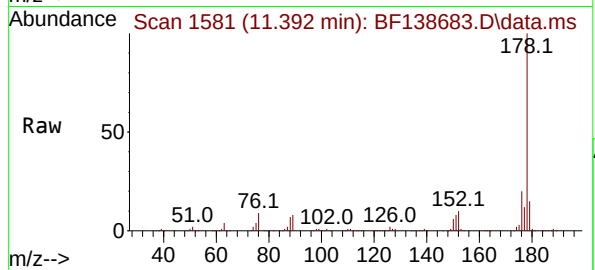




#71
Phenanthrene
Concen: 21.117 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

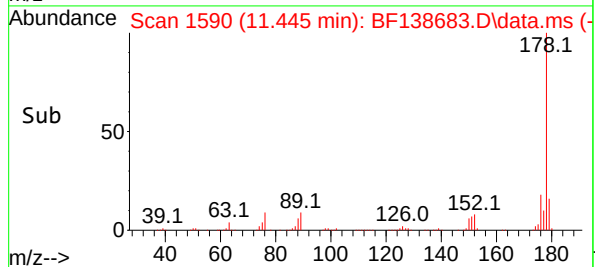
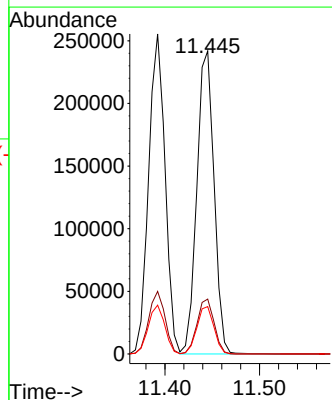
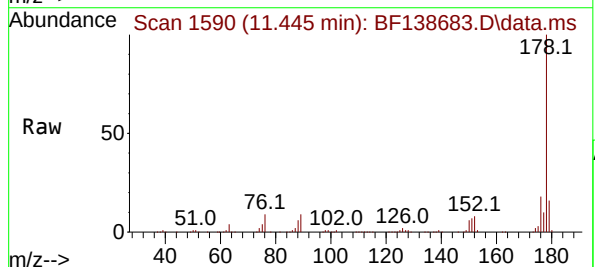
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

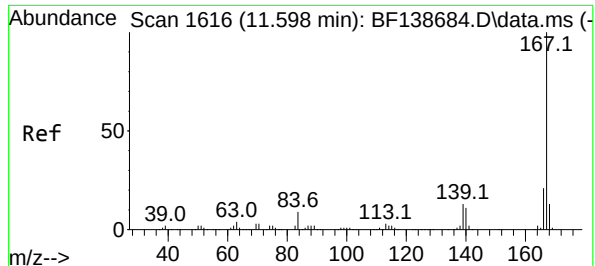
Tgt Ion:178 Resp: 307735
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.3 12.2 18.2



#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

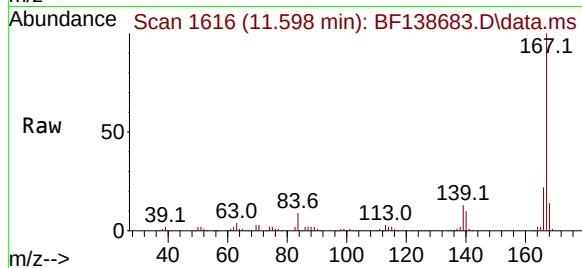
Tgt Ion:178 Resp: 305147
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.6 12.4 18.6



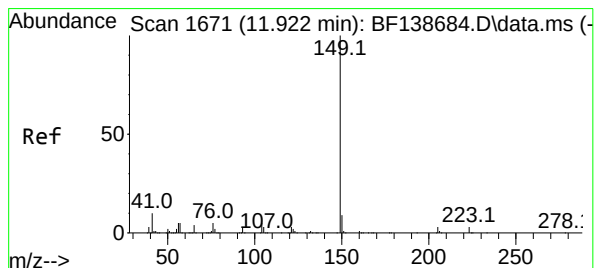
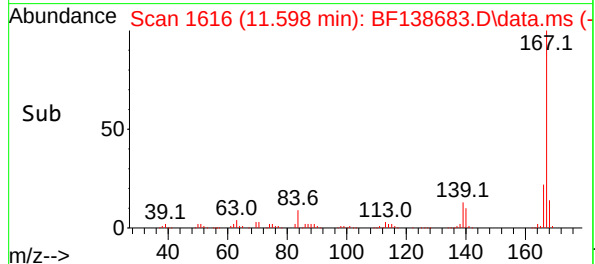
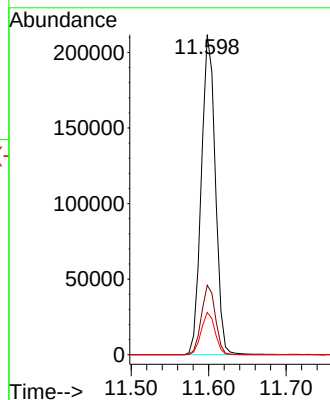


#73
Carbazole
Concen: 21.474 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

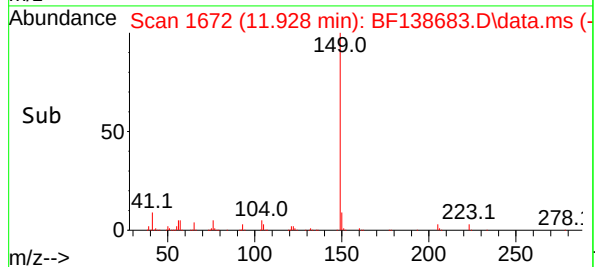
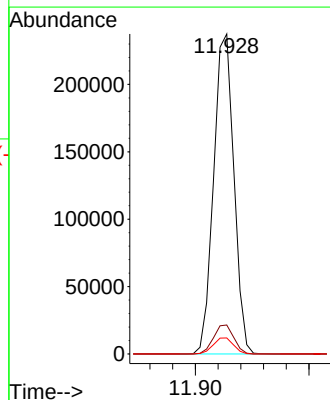
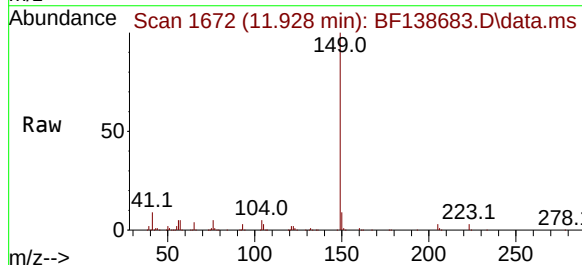


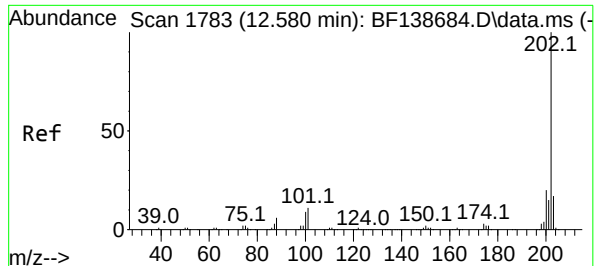
Tgt Ion:167 Resp: 265973
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 13.2 10.6 16.0



#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

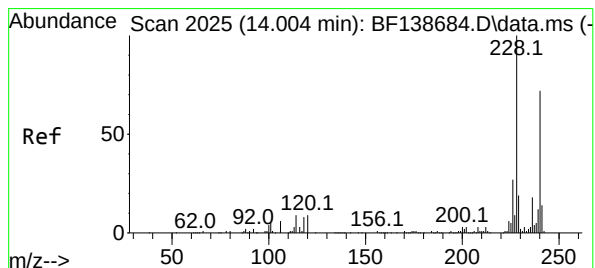
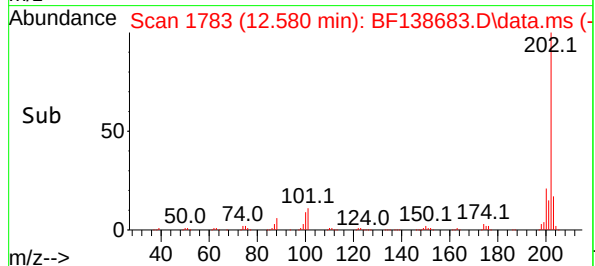
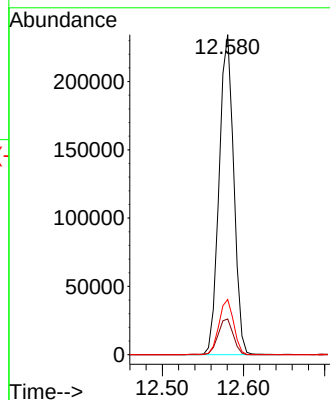
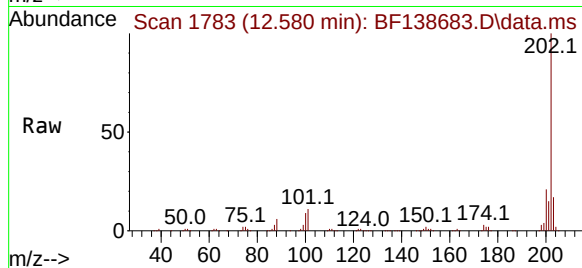




#75
Fluoranthene
Concen: 21.613 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

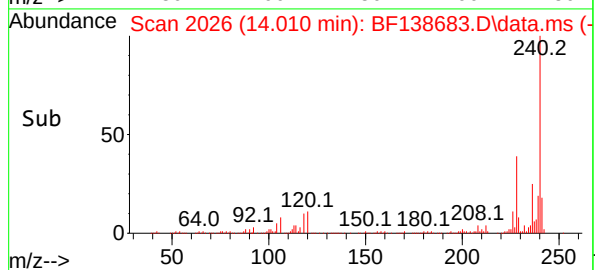
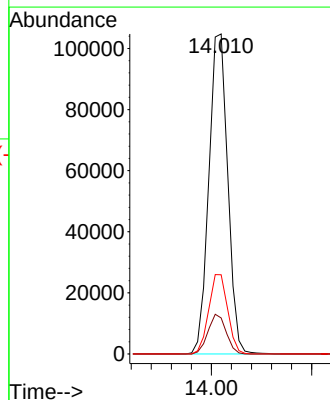
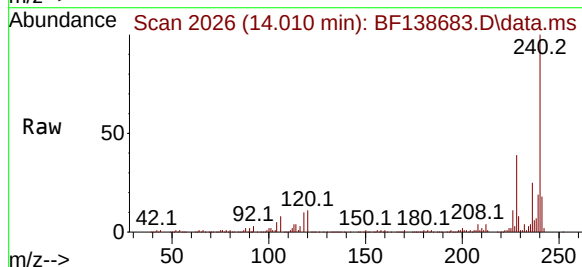
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

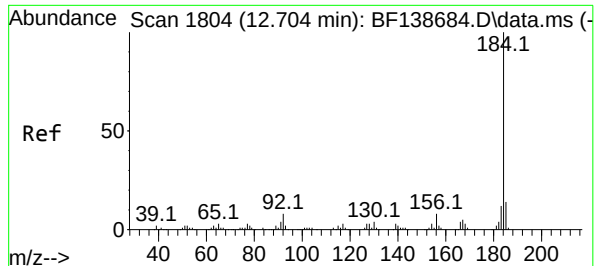
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.2
203	17.3	0.0	37.3



#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

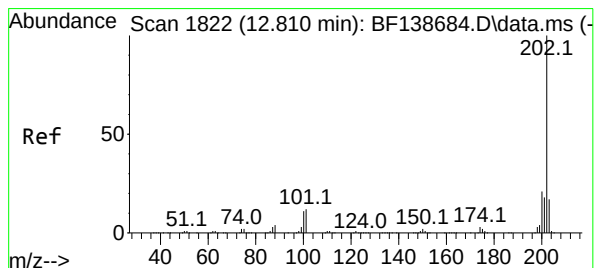
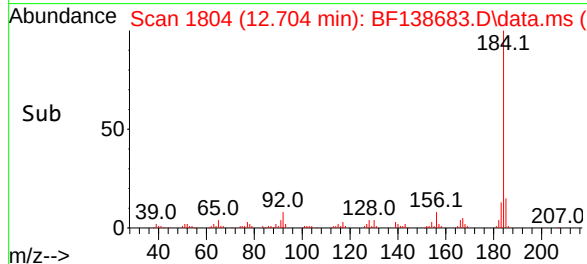
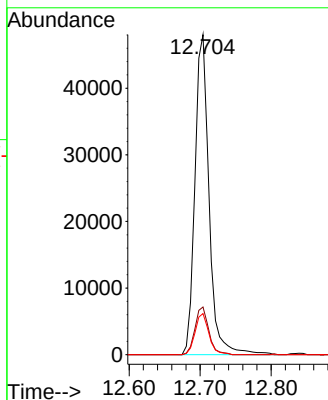
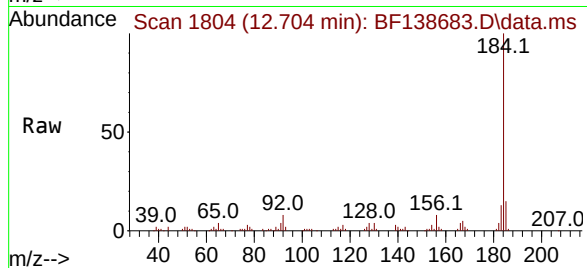
Tgt Ion:184 Resp: 66561

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

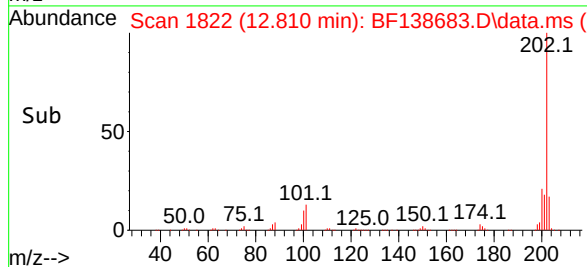
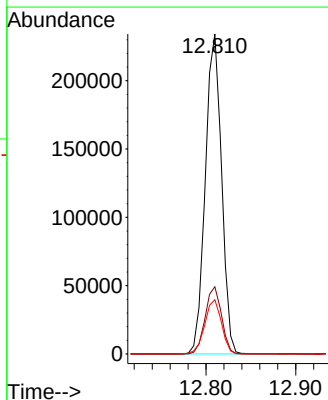
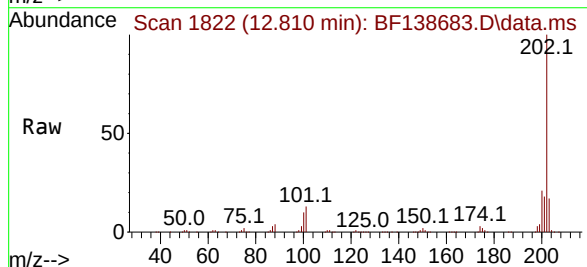
Tgt Ion:202 Resp: 294030

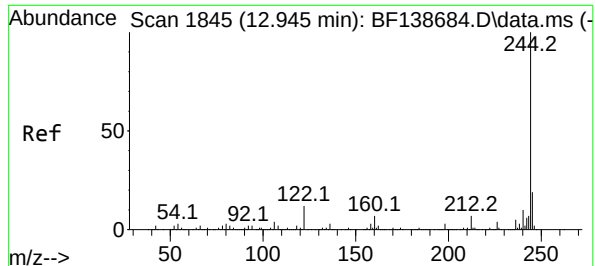
Ion Ratio Lower Upper

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

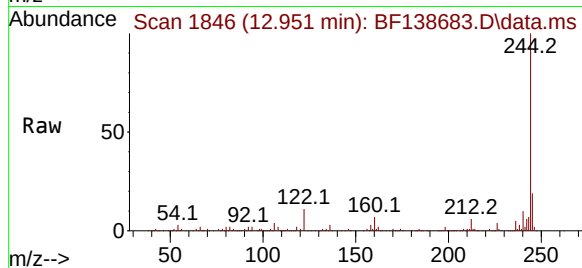
Acq: 30 Jul 2024 14:25

Instrument :

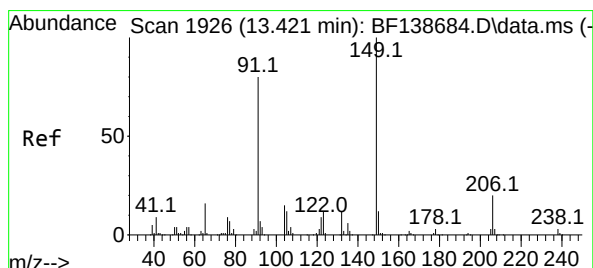
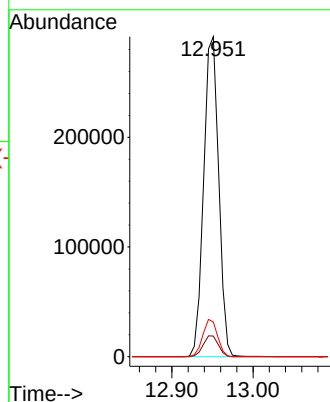
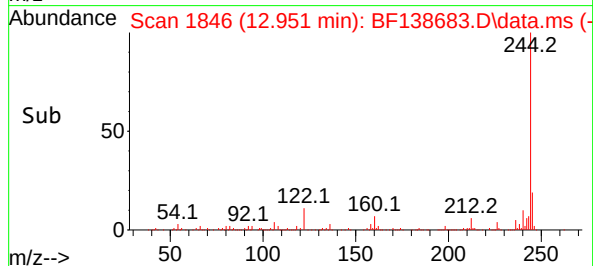
BNA_F

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

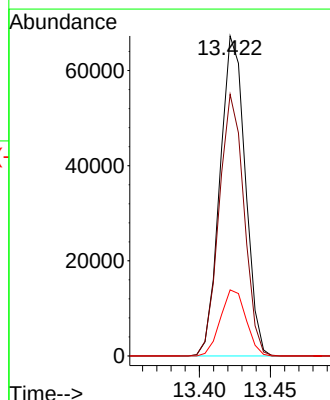
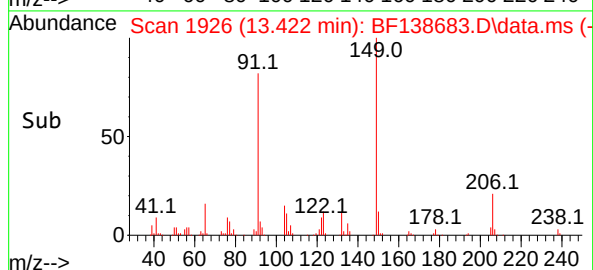
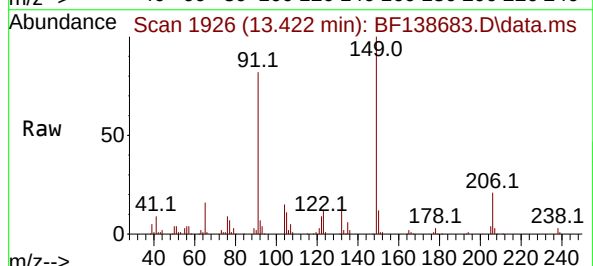
RT: 13.422 min Scan# 1926

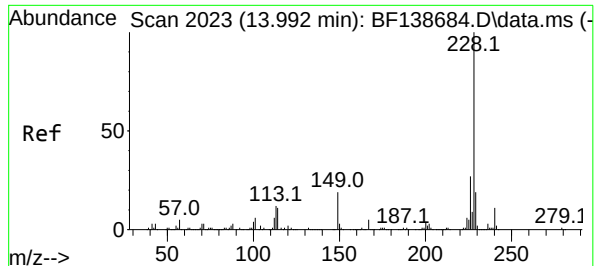
Delta R.T. 0.000 min

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

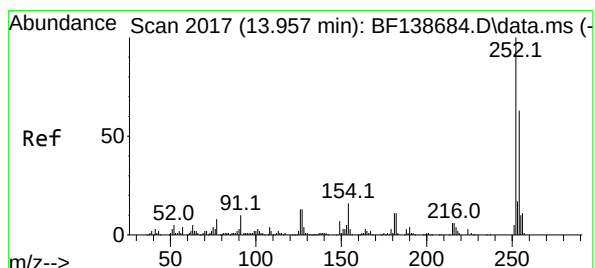
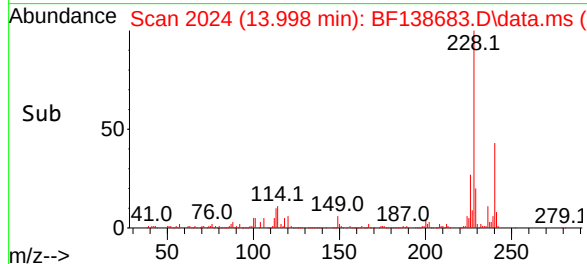
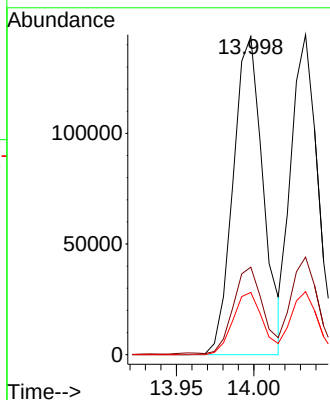
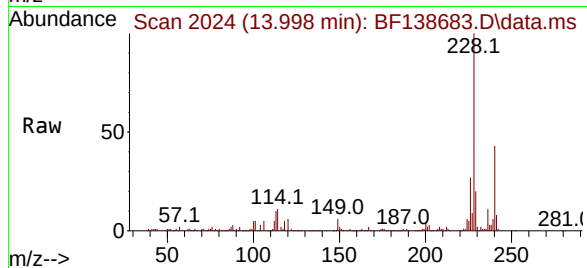




#81
Benzo(a)anthracene
Concen: 20.469 ng
RT: 13.998 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

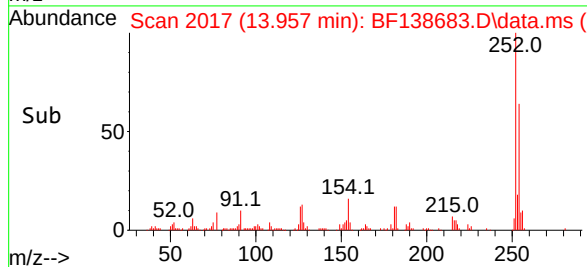
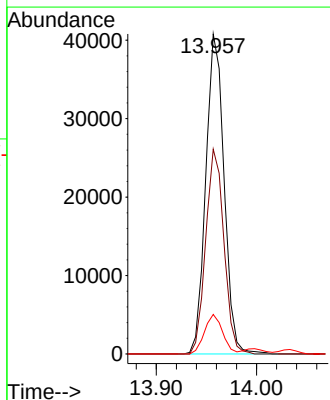
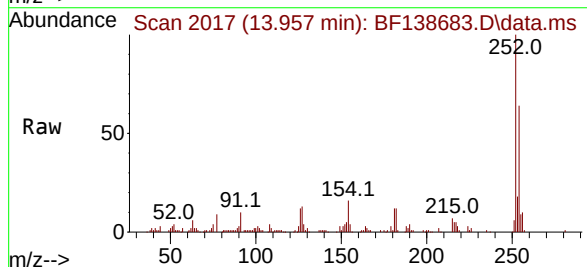
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

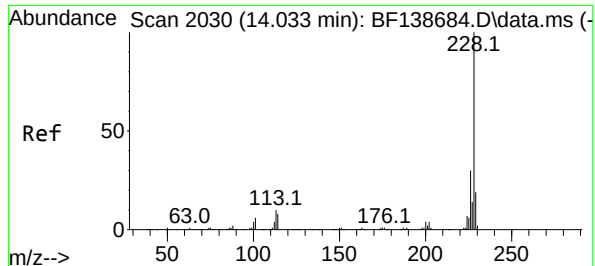
Tgt Ion:228 Resp: 193671
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 19.5 15.4 23.0



#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

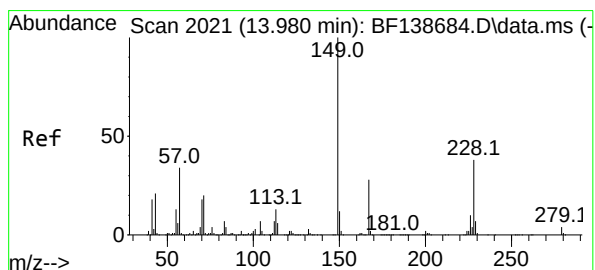
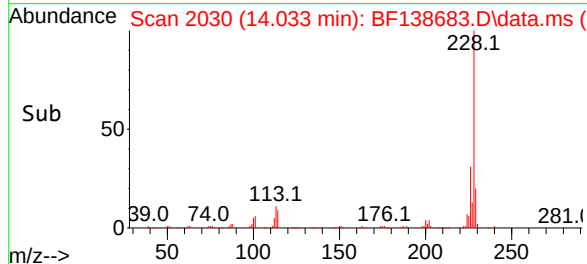
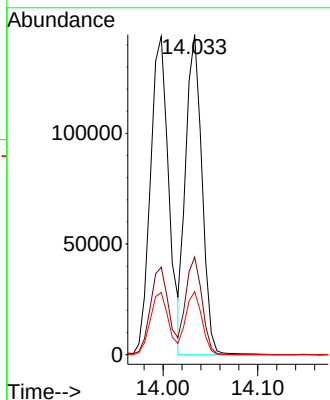
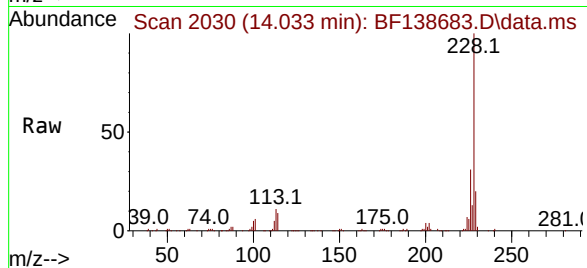




#83
Chrysene
Concen: 20.285 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

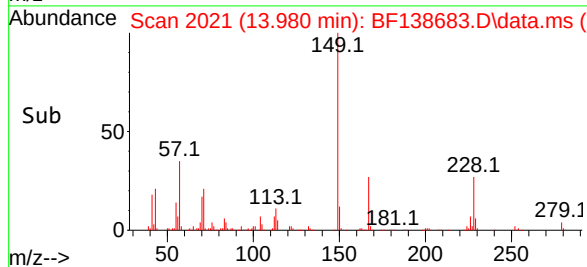
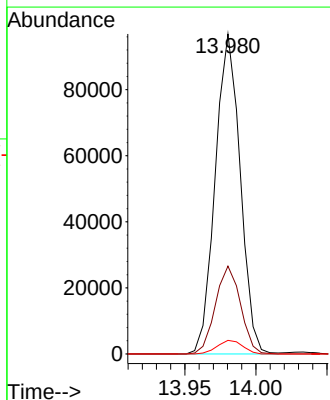
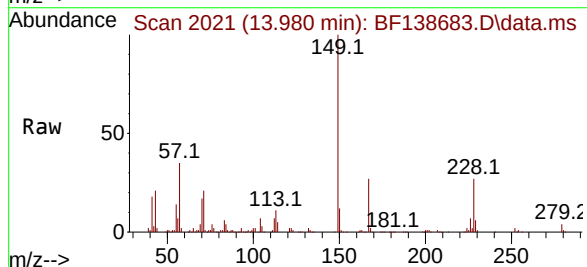
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

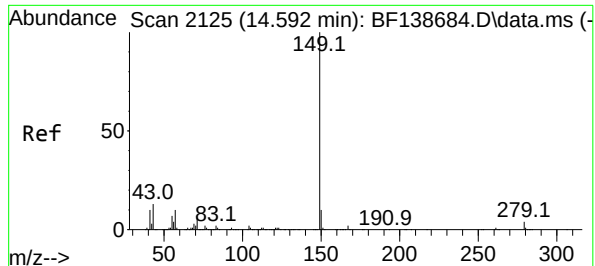
Tgt Ion:228 Resp: 173160
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 19.7 15.0 22.6



#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

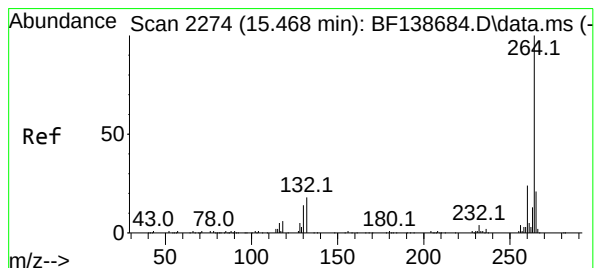
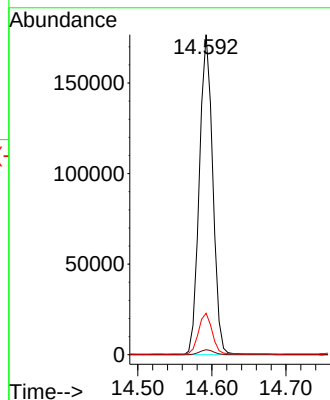
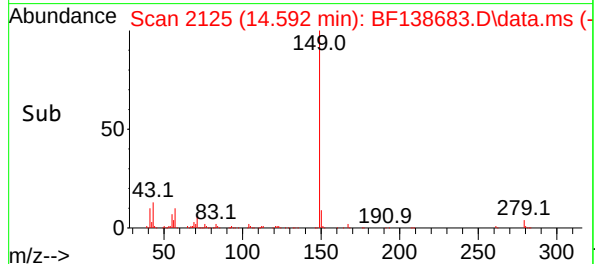
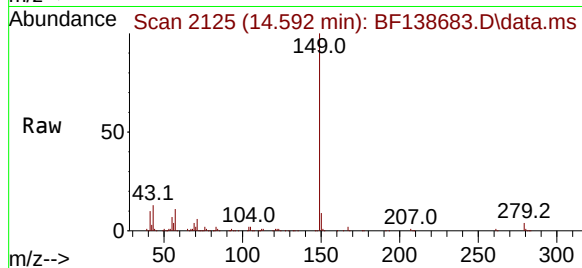




#85
Di-n-octyl phthalate
Concen: 19.758 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

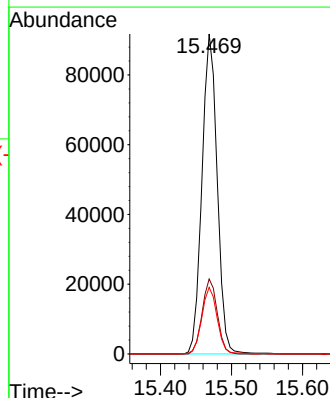
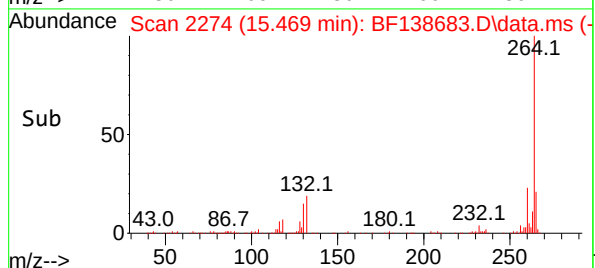
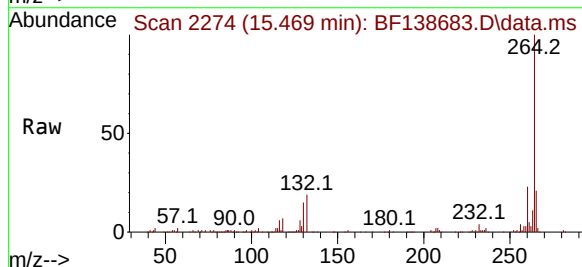
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

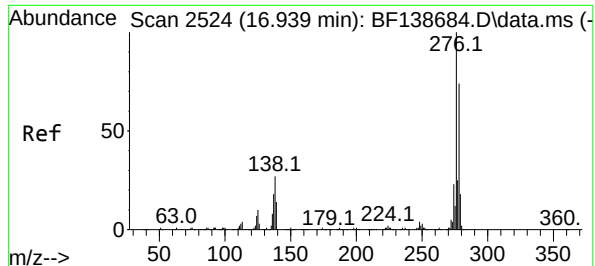
Tgt Ion:149 Resp: 221760
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 12.9 10.4 15.6



#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:264 Resp: 137093
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 20.8 17.0 25.6

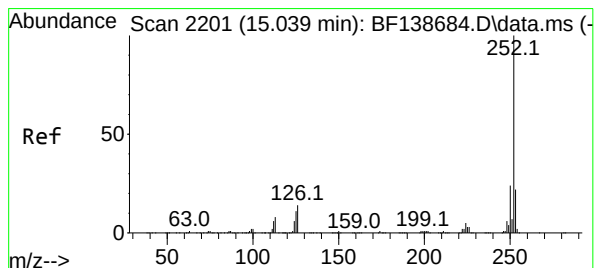
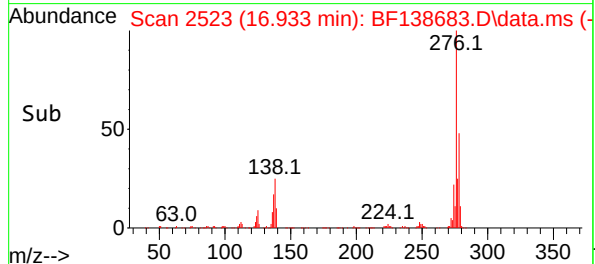
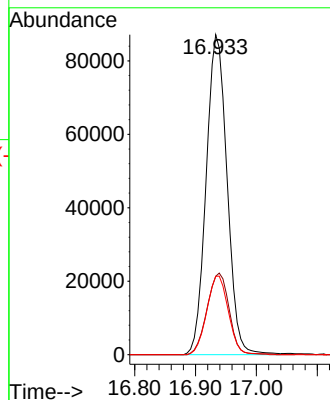
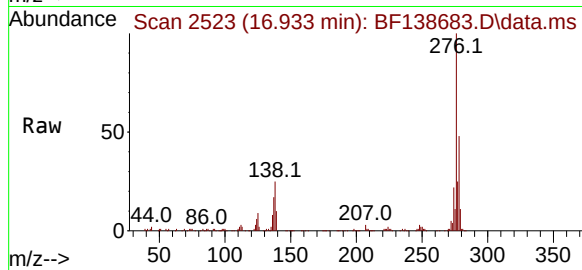




#87
Indeno(1,2,3-cd)pyrene
Concen: 21.168 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

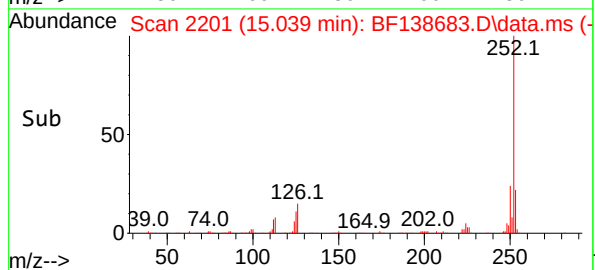
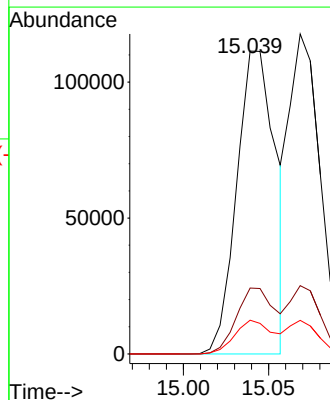
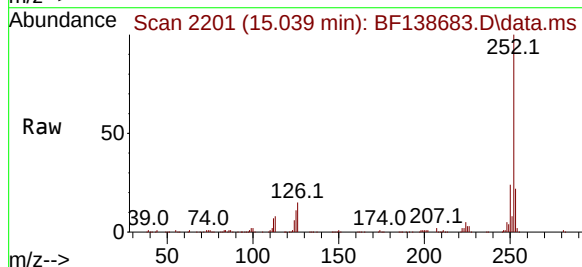
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

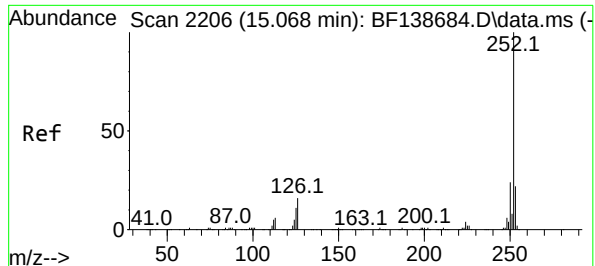
Tgt Ion:276 Resp: 207968
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.8
277 25.4 20.6 30.8



#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# 2206

Delta R.T. 0.000 min

Lab File: BF138683.D

Acq: 30 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

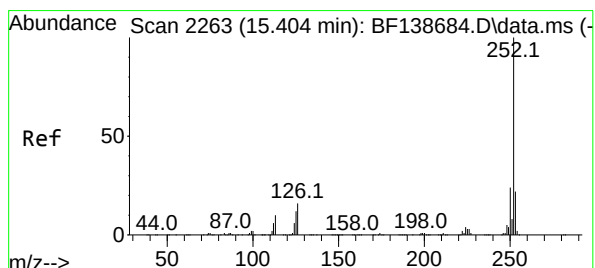
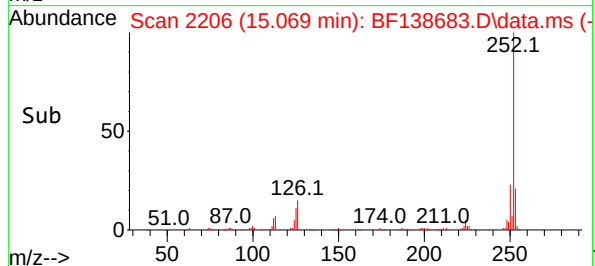
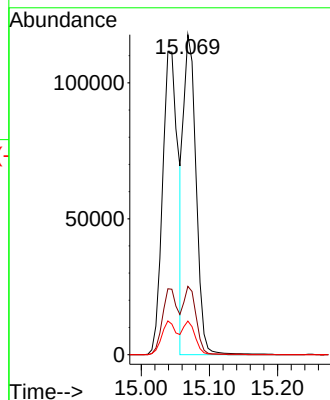
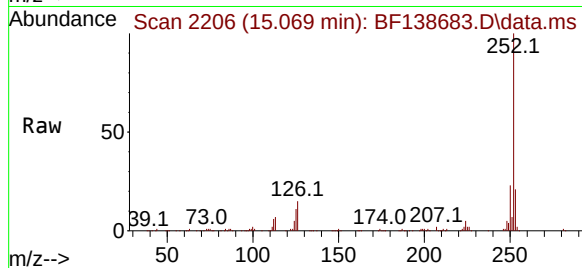
Tgt Ion:252 Resp: 150547

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

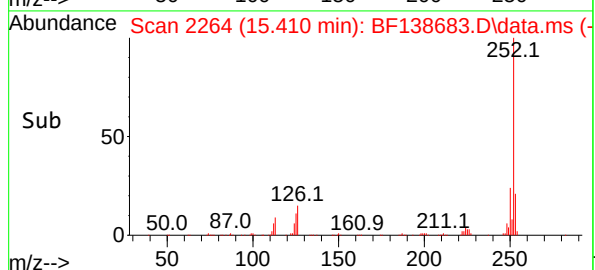
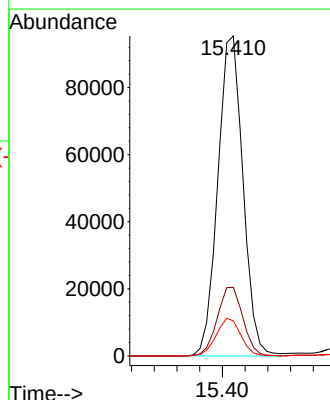
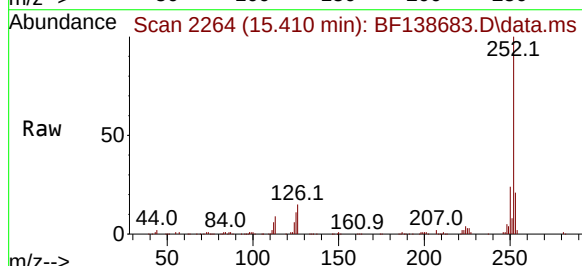
Tgt Ion:252 Resp: 146767

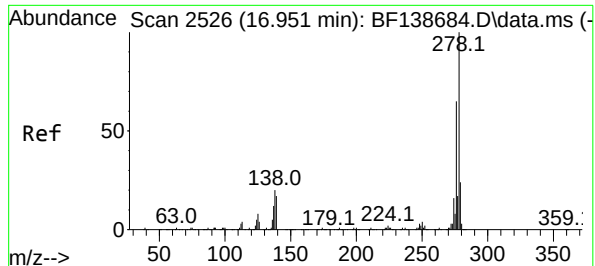
Ion Ratio Lower Upper

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

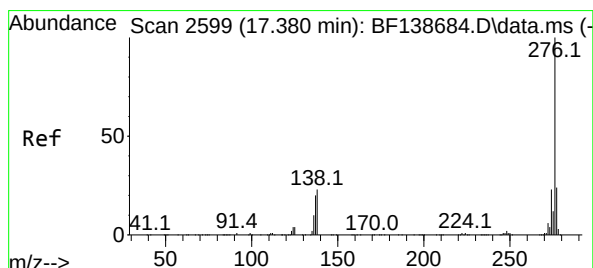
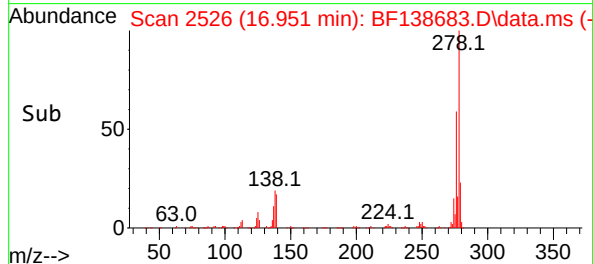
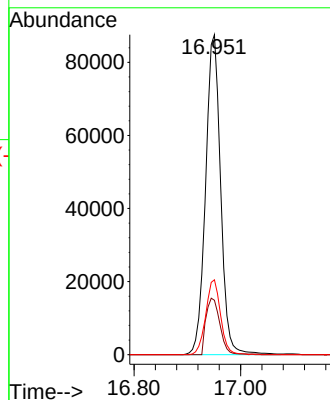
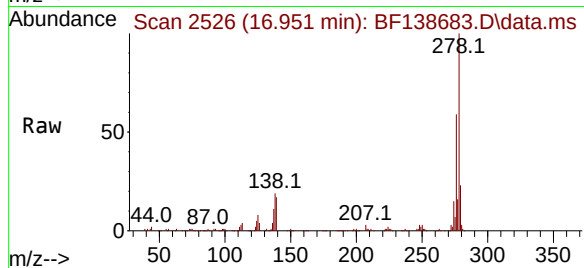
Tgt Ion:278 Resp: 171745

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

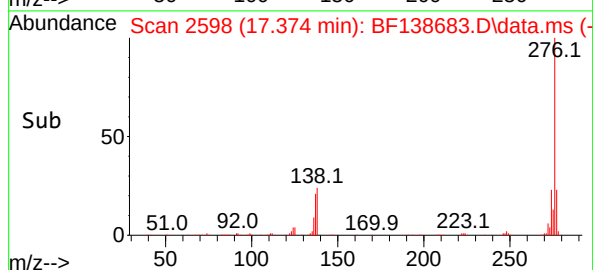
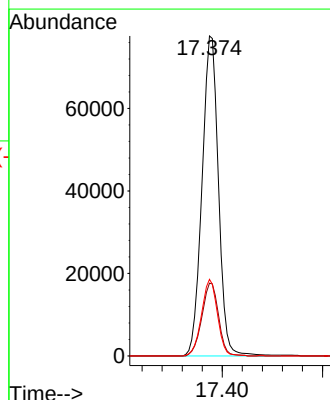
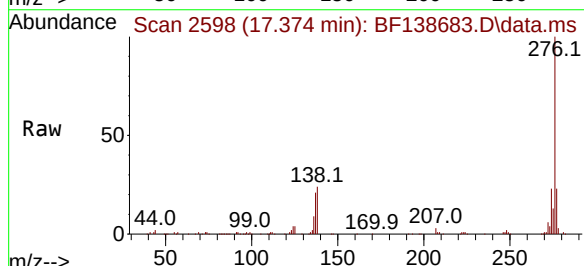
Tgt Ion:276 Resp: 176662

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

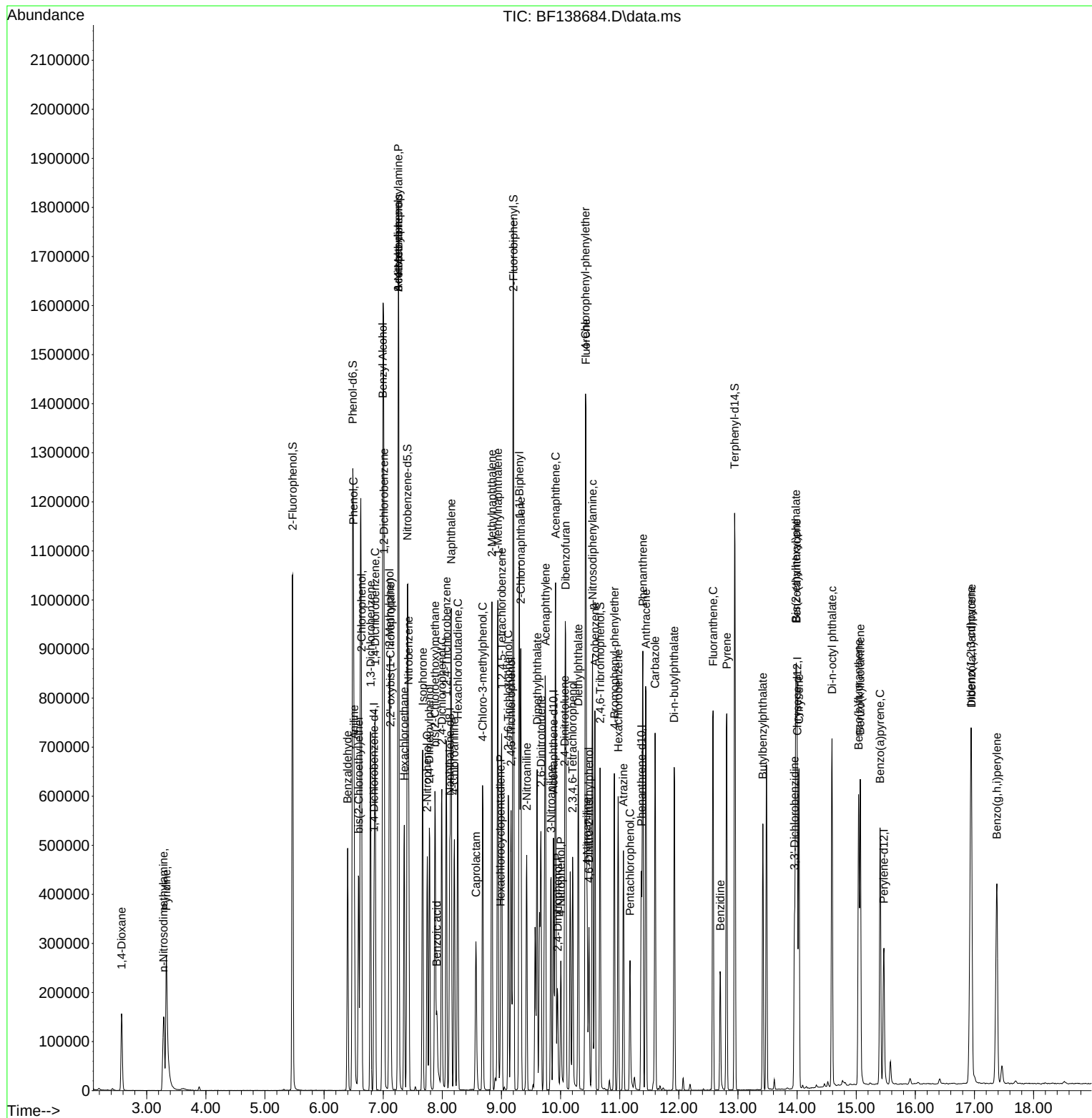
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	108268	39.788	ng	100
46) 1,1'-Biphenyl	9.304	154	452377	39.303	ng	100
47) 2-Chloronaphthalene	9.328	162	338303	39.520	ng	100
48) 2-Nitroaniline	9.428	65	114390	39.417	ng	100
49) Acenaphthylene	9.745	152	481180	39.633	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

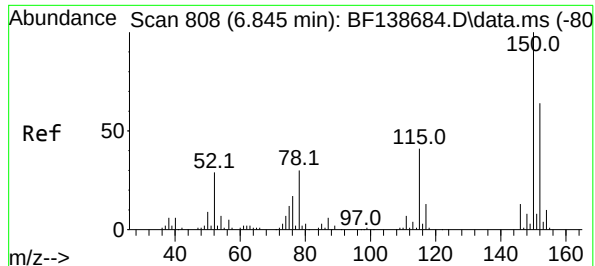
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

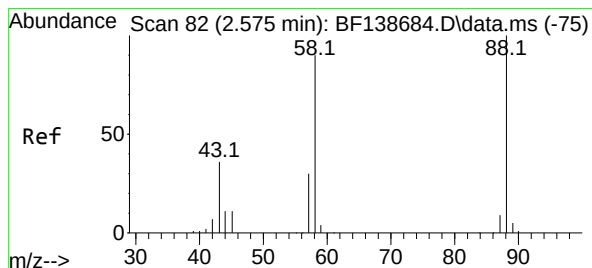
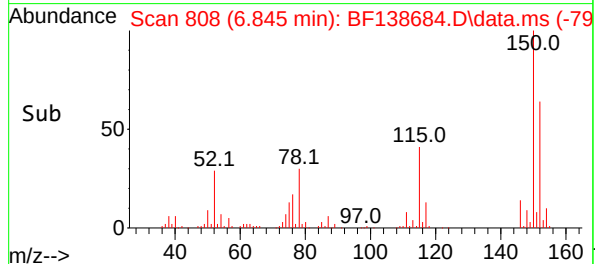
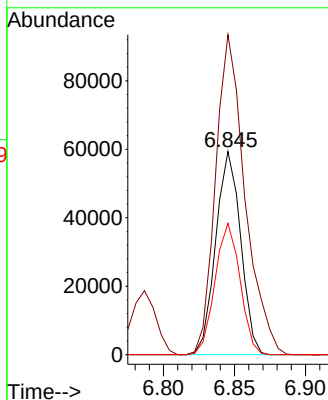
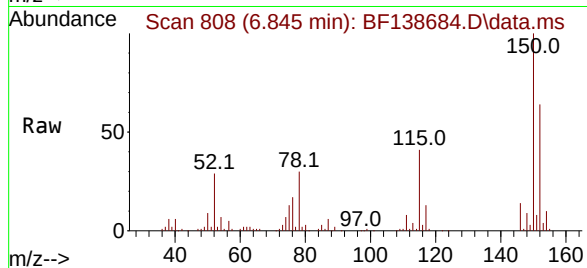




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

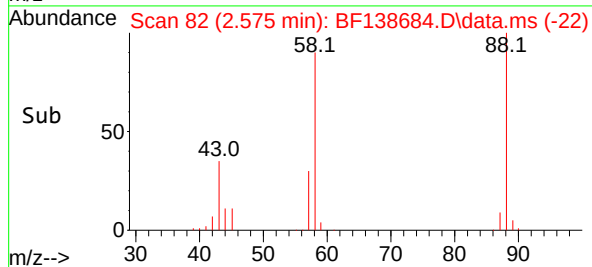
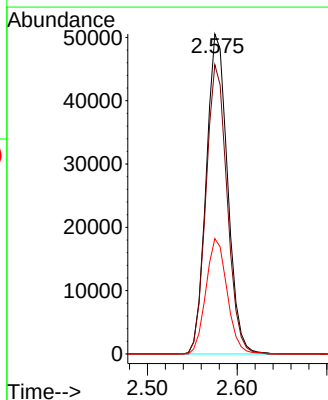
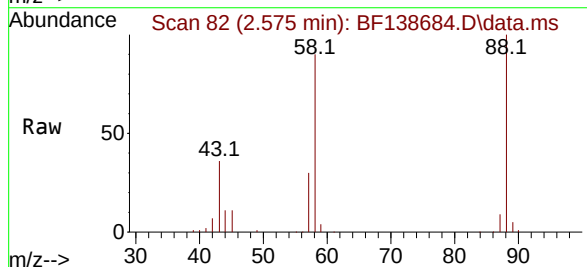
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

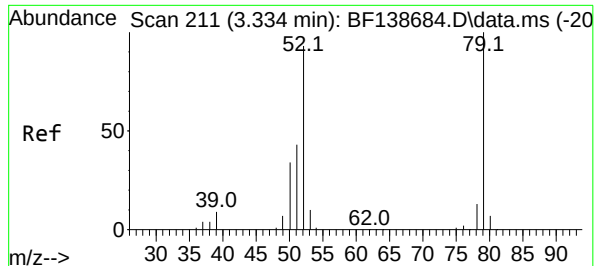
Tgt Ion:152 Resp: 72528
Ion Ratio Lower Upper
152 100
150 157.5 126.0 189.0
115 64.6 51.7 77.5



#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

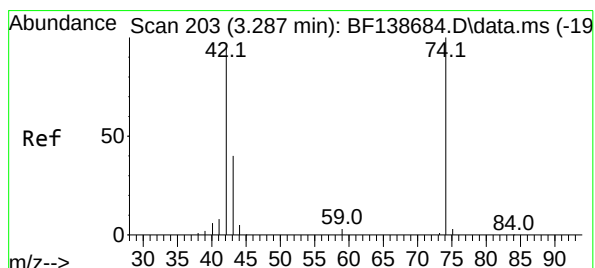
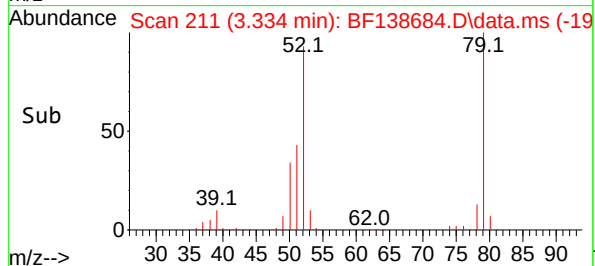
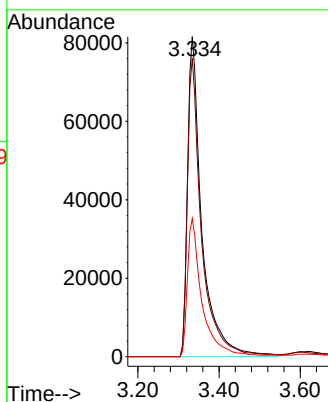
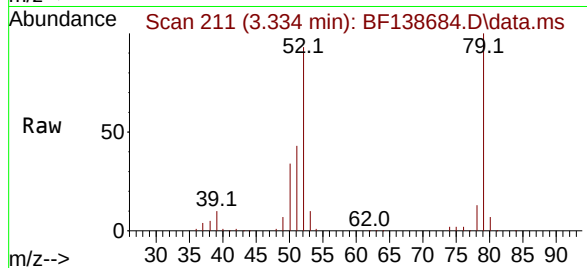
Tgt Ion: 79 Resp: 200383

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

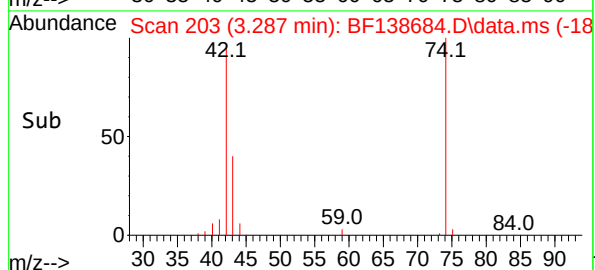
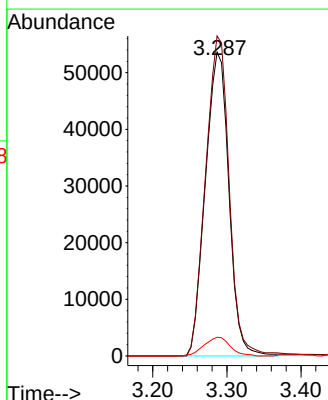
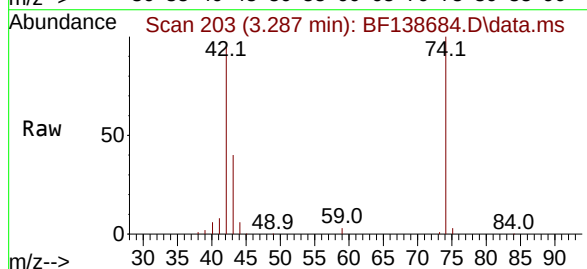
Tgt Ion: 42 Resp: 118122

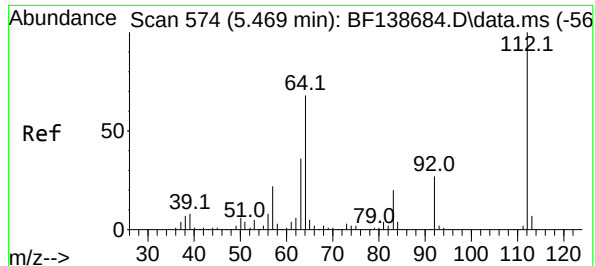
Ion Ratio Lower Upper

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

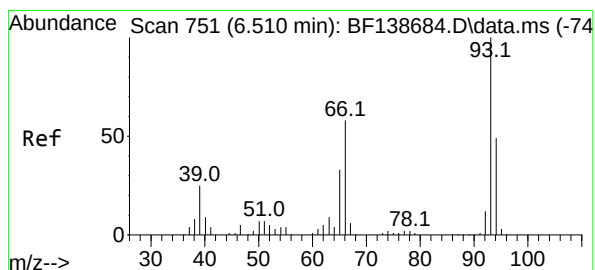
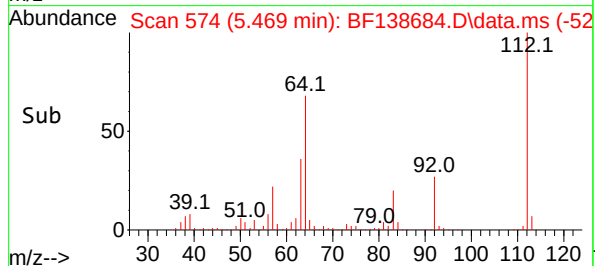
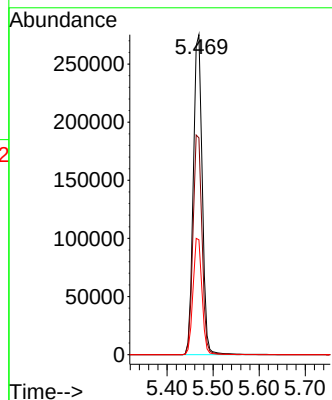
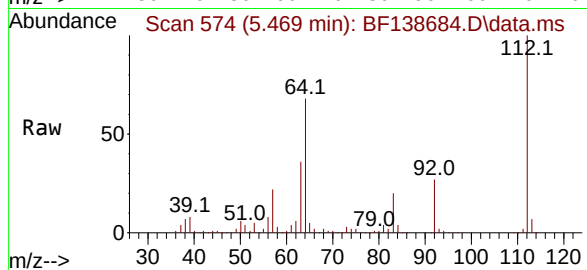
Tgt Ion:112 Resp: 369590

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

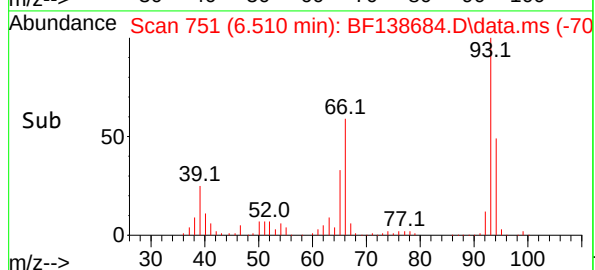
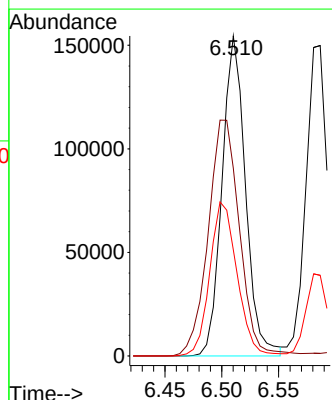
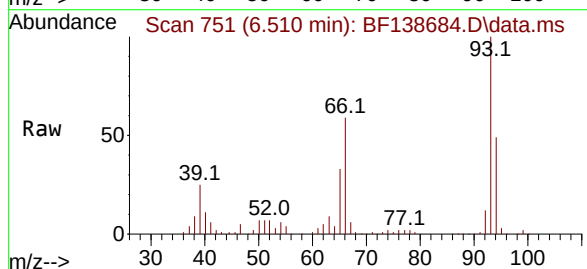
Tgt Ion: 93 Resp: 222231

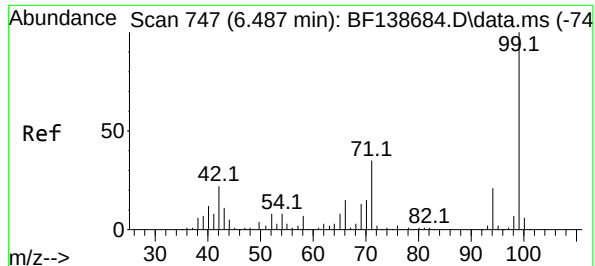
Ion Ratio Lower Upper

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

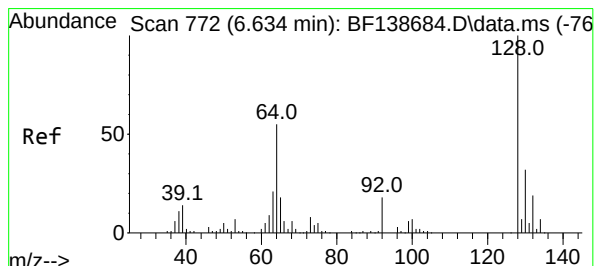
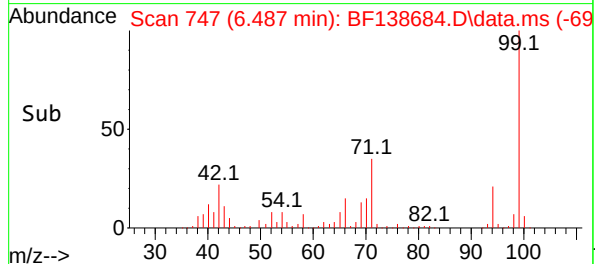
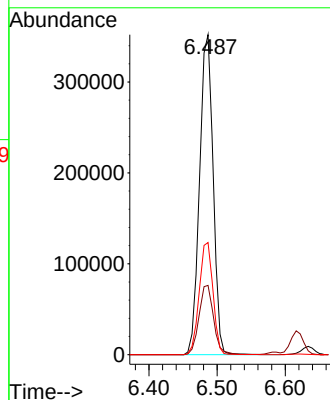
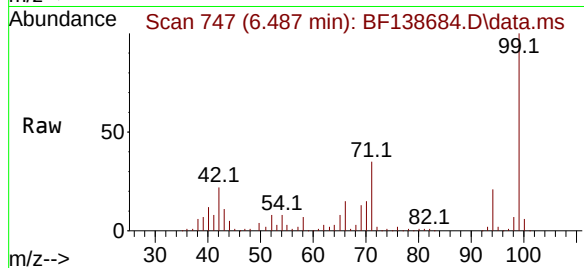
Tgt Ion: 99 Resp: 487812

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

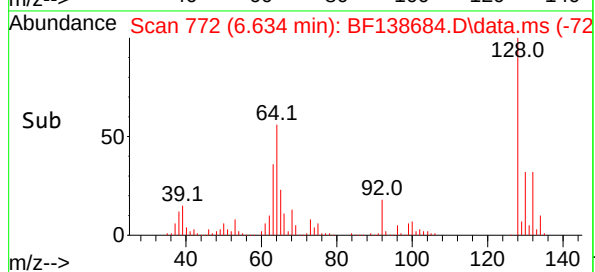
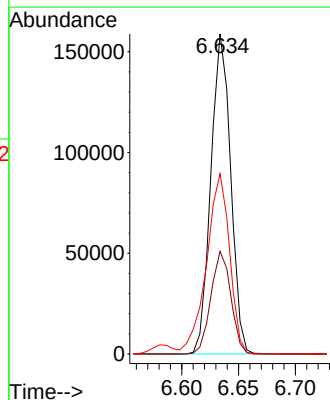
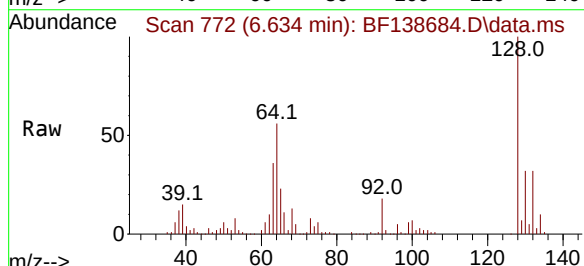
Tgt Ion: 128 Resp: 192242

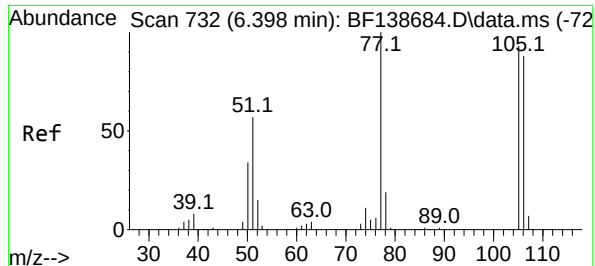
Ion Ratio Lower Upper

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

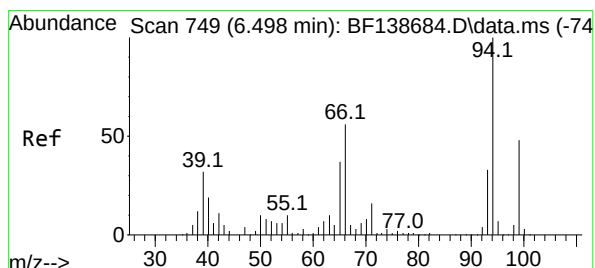
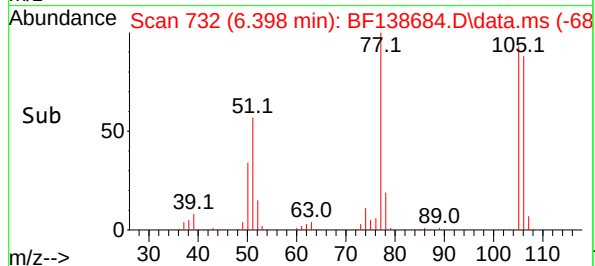
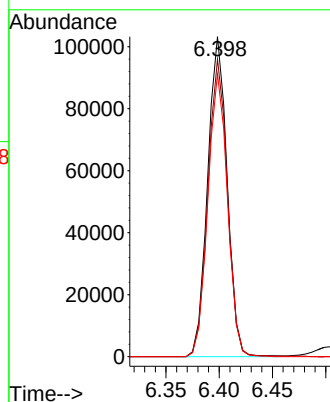
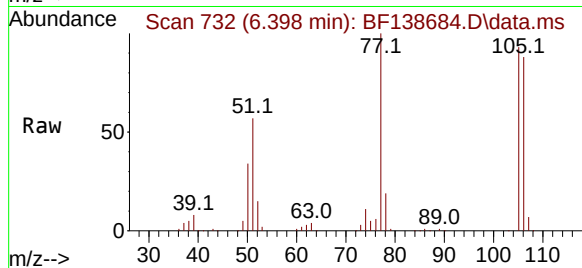
Tgt Ion: 77 Resp: 131168

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

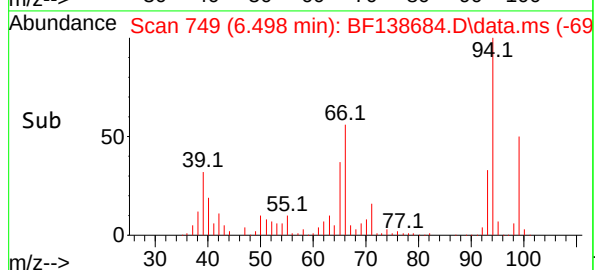
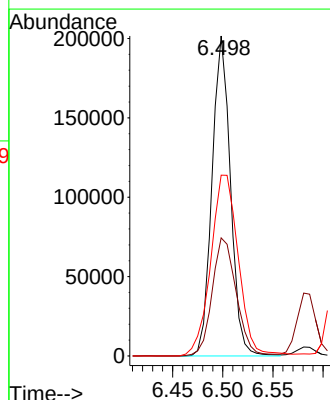
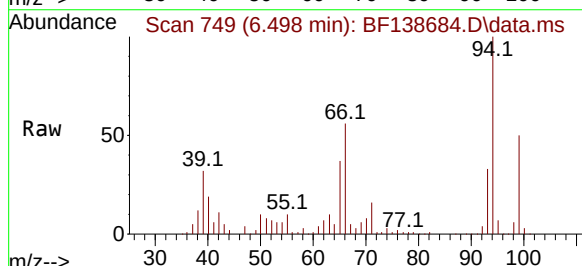
Tgt Ion: 94 Resp: 257462

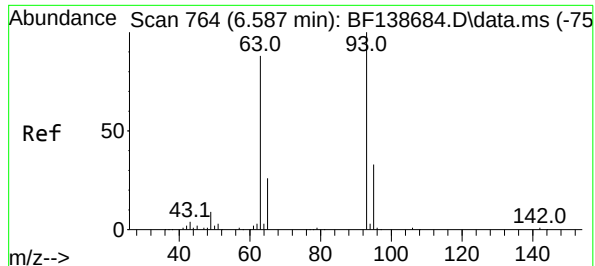
Ion Ratio Lower Upper

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 :

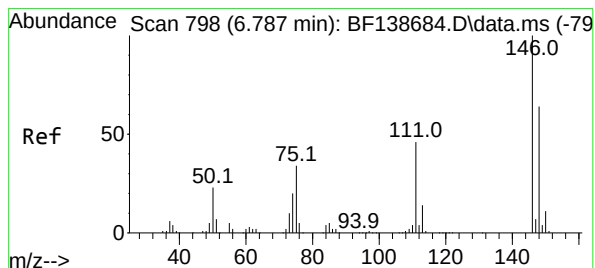
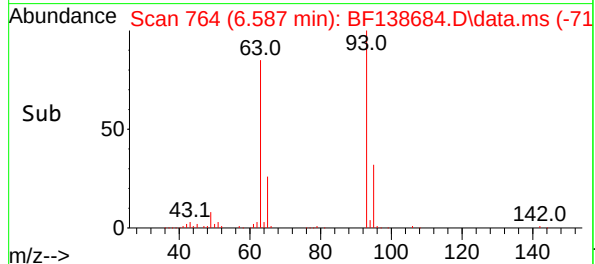
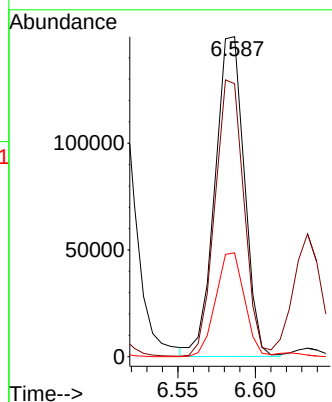
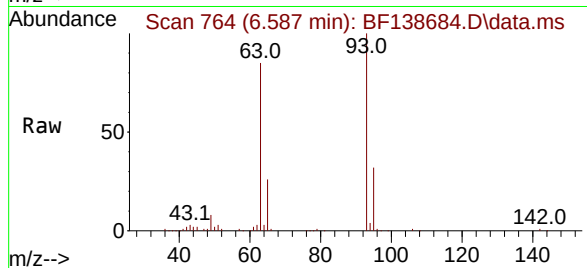
BNA_F

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

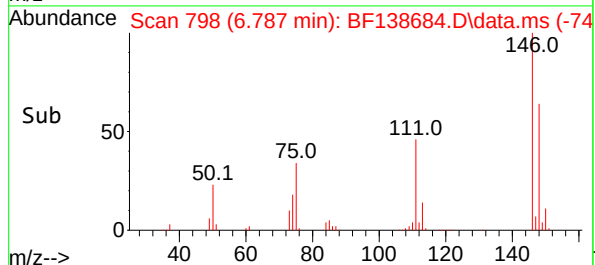
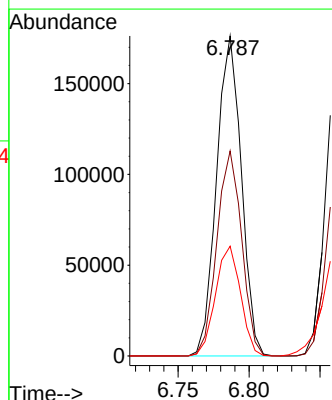
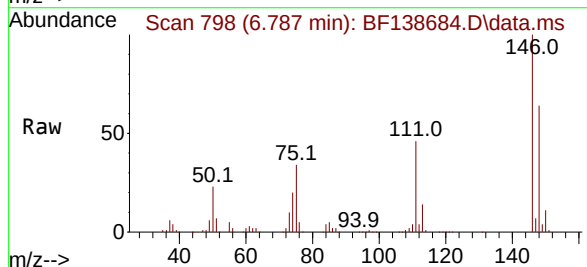
Delta R.T. 0.000 min

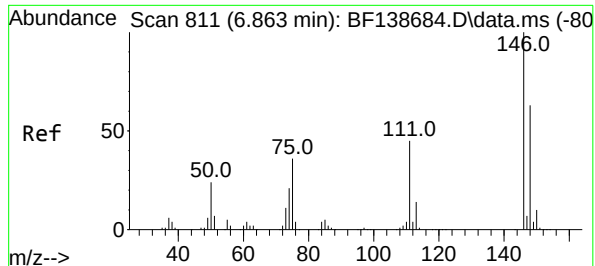
Lab File: BF138684.D

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

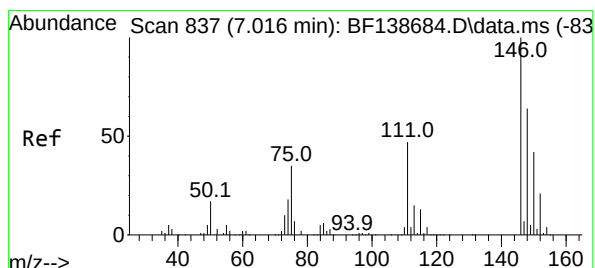
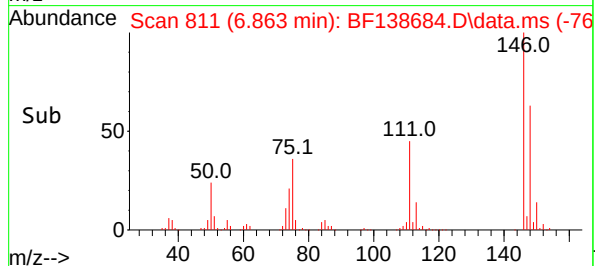
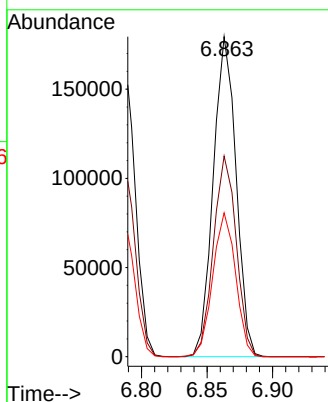
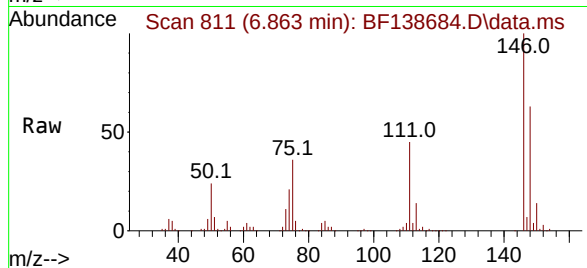
Tgt Ion:146 Resp: 217011

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

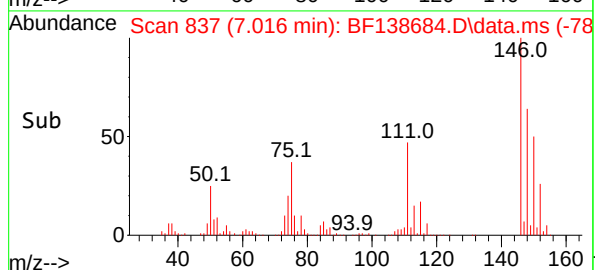
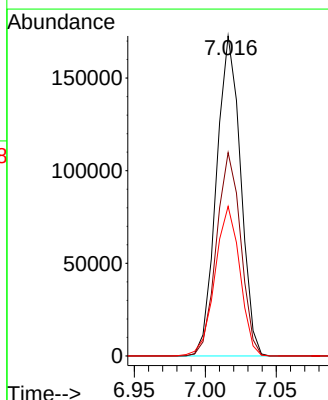
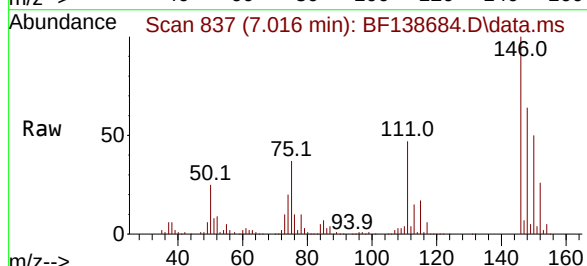
Tgt Ion:146 Resp: 204280

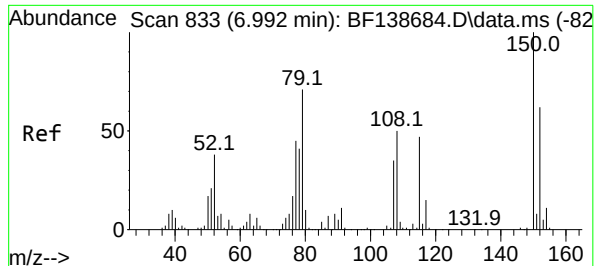
Ion Ratio Lower Upper

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

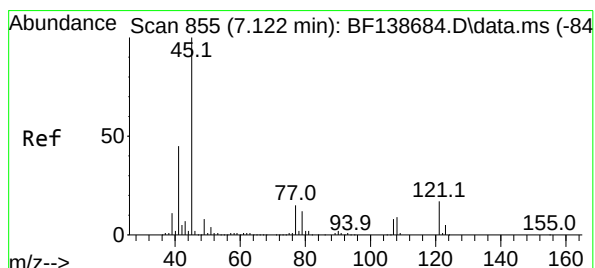
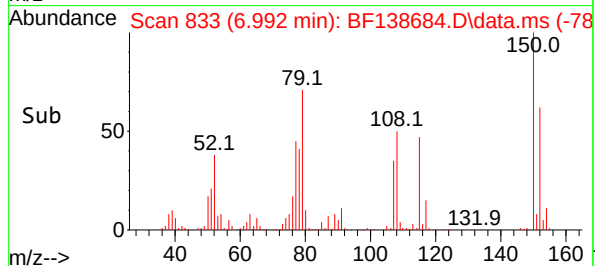
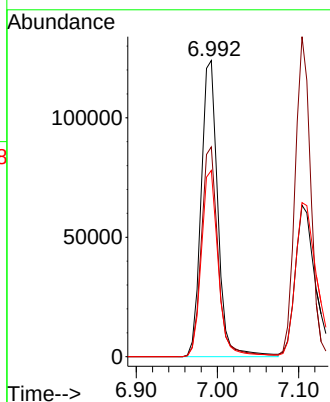
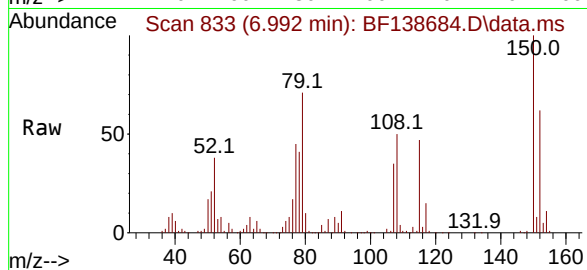
Tgt Ion: 79 Resp: 176734

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

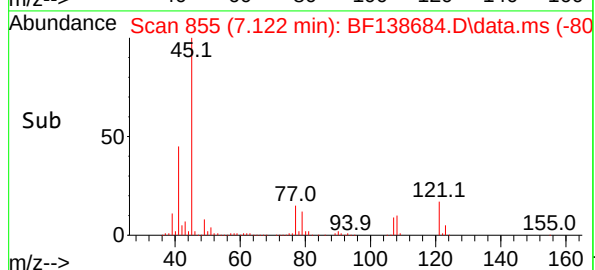
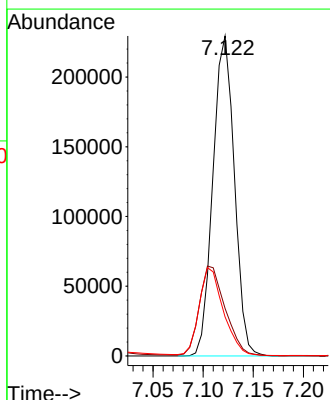
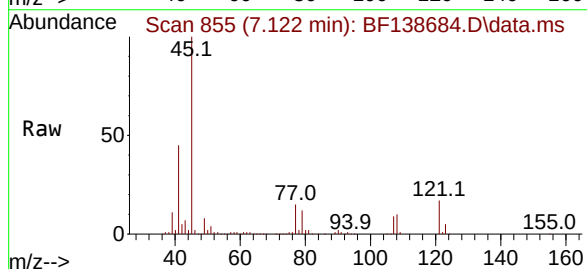
Tgt Ion: 45 Resp: 340905

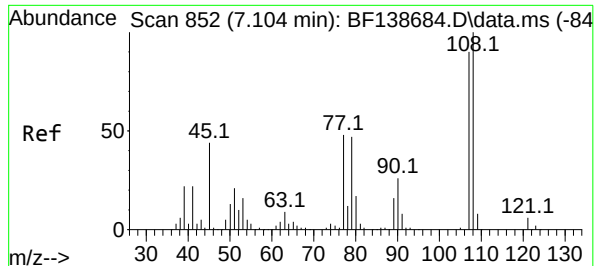
Ion Ratio Lower Upper

45 100

77 14.9 0.0 34.9

79 12.2 0.0 32.2

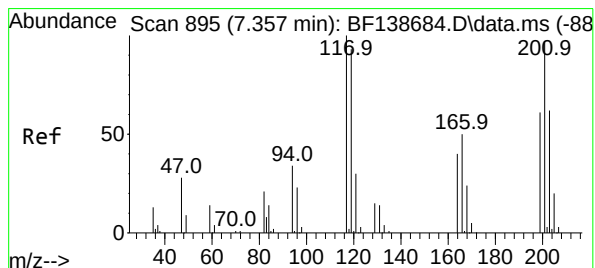
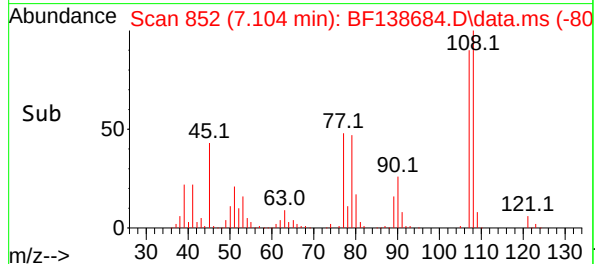
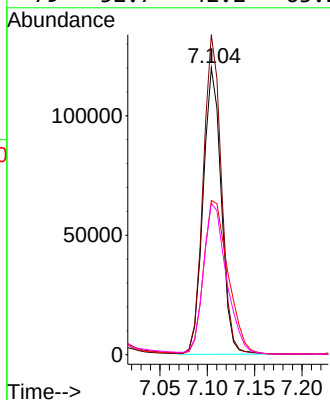
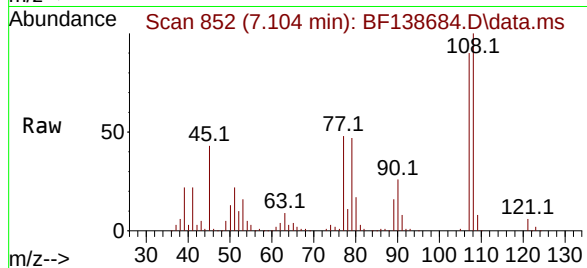




#17
2-Methylphenol
Concen: 39.204 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

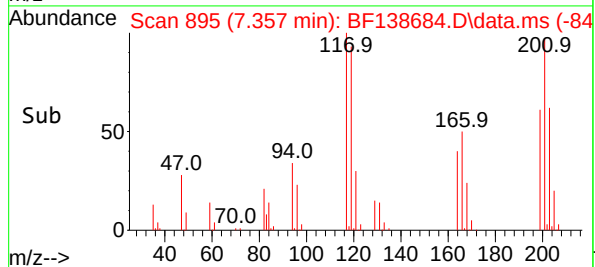
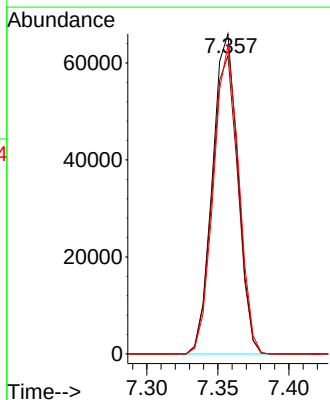
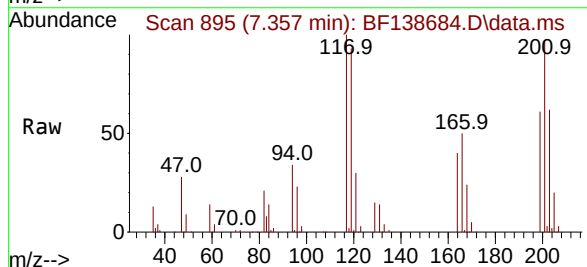
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

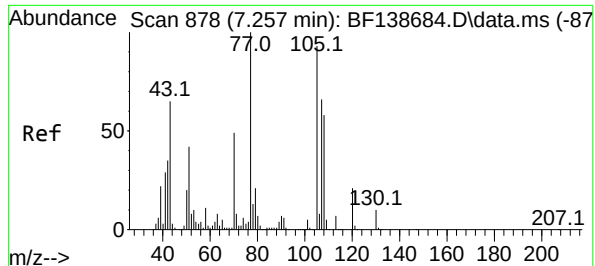
Tgt Ion:107 Resp: 160028
Ion Ratio Lower Upper
107 100
108 111.5 89.2 133.8
77 53.7 43.0 64.4
79 52.7 42.2 63.2



#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

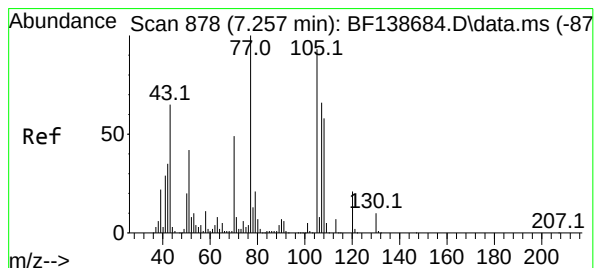
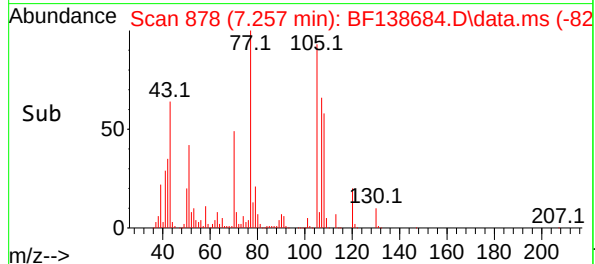
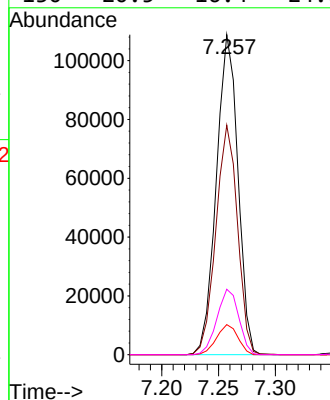
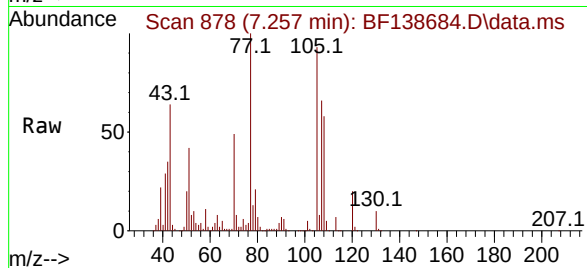




#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

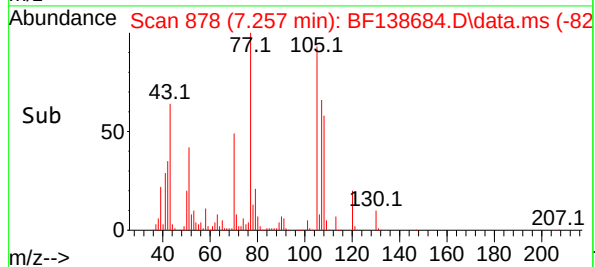
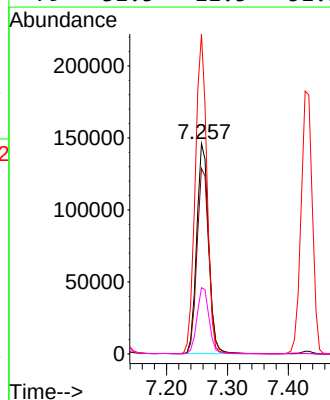
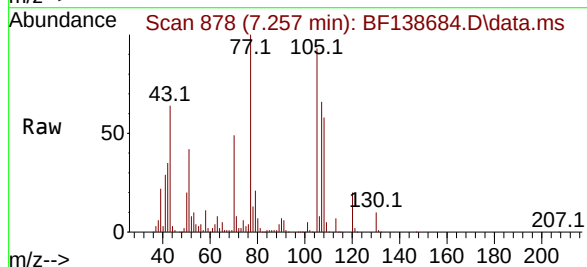
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

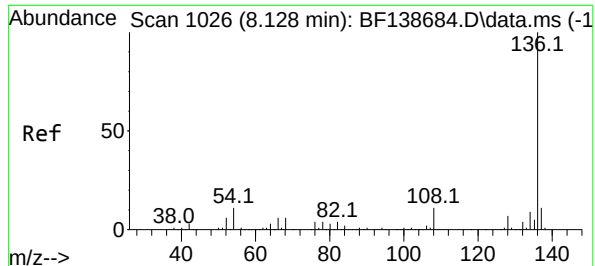
Tgt Ion: 70 Resp: 143913
Ion Ratio Lower Upper
70 100
42 71.7 57.4 86.0
101 9.4 7.5 11.3
130 20.5 16.4 24.6



#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

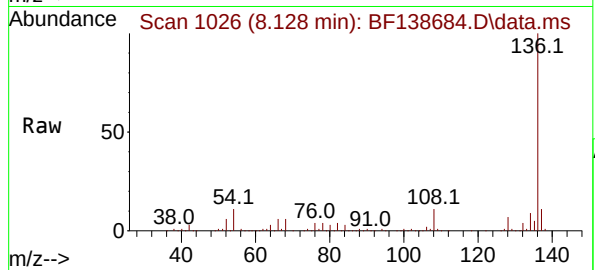
Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:136 Resp: 281315

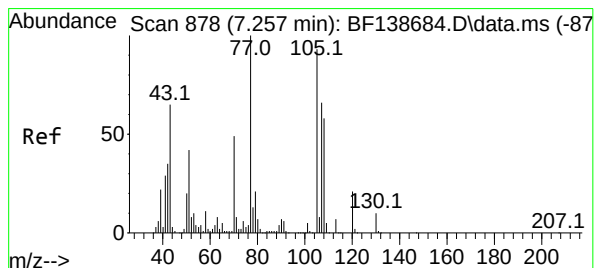
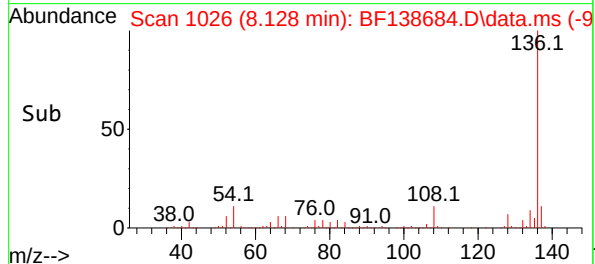
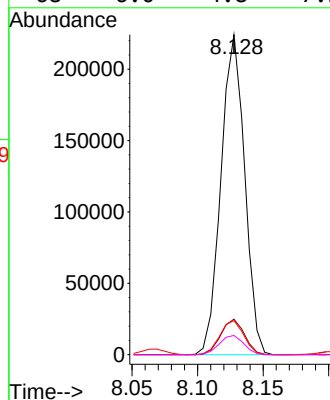
Ion Ratio Lower Upper

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

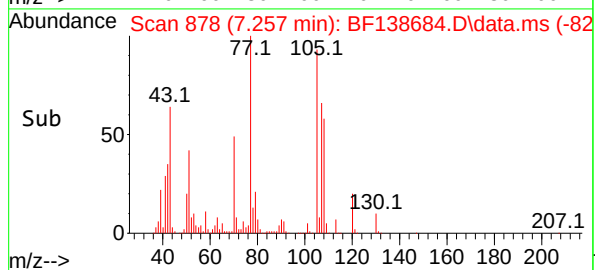
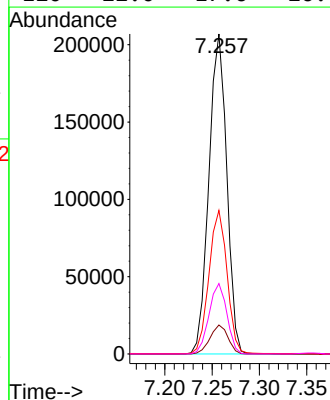
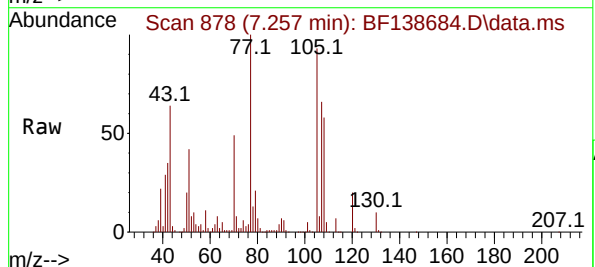
Ion Ratio Lower Upper

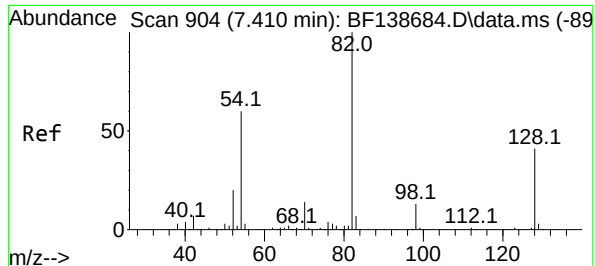
105 100

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

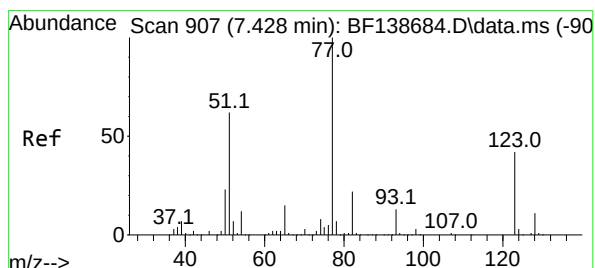
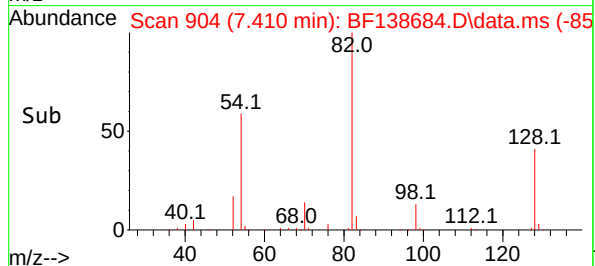
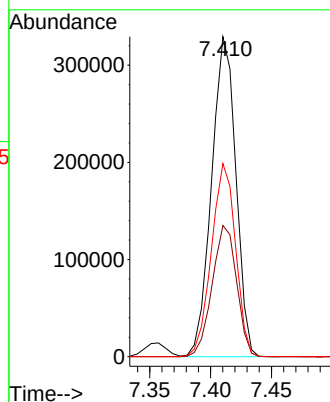
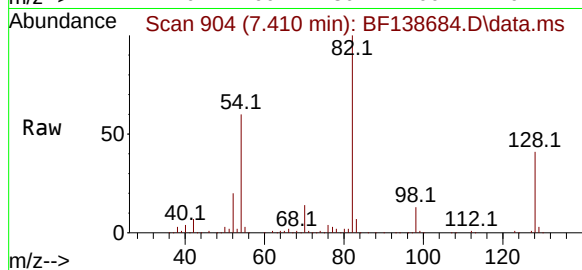
Tgt Ion: 82 Resp: 457661

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

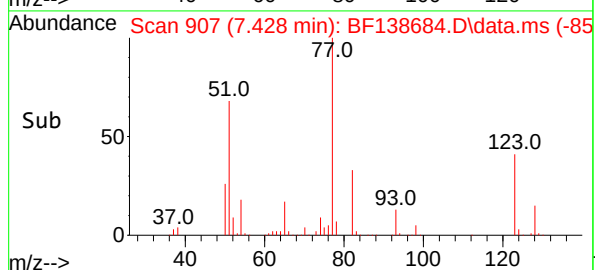
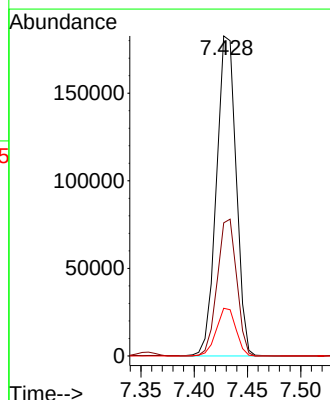
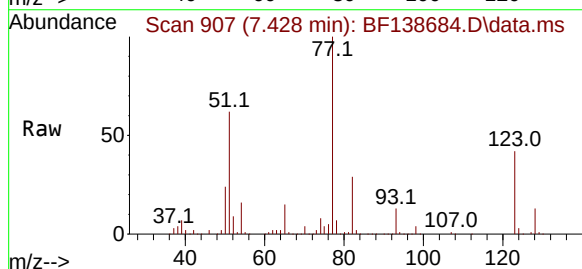
Tgt Ion: 77 Resp: 234435

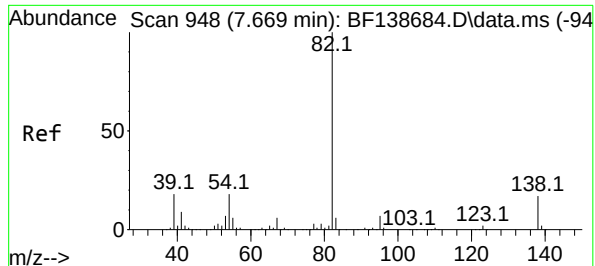
Ion Ratio Lower Upper

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

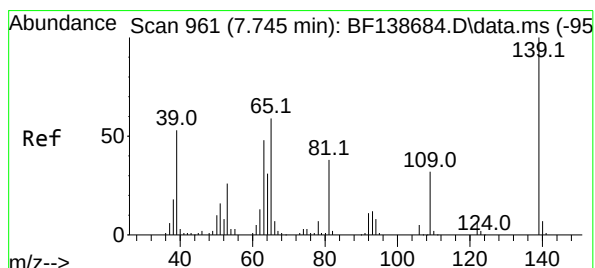
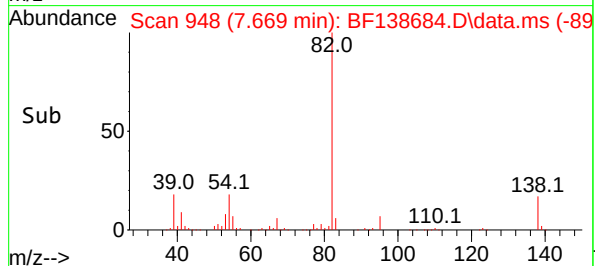
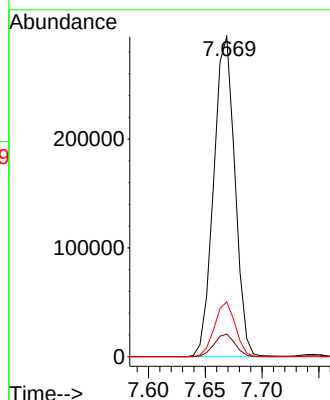
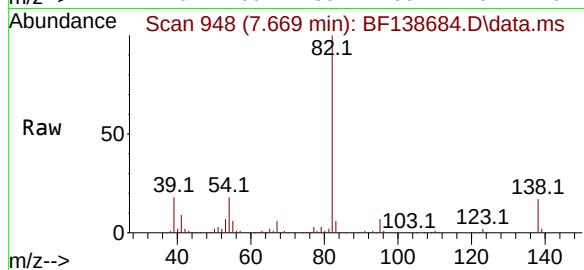
Tgt Ion: 82 Resp: 382875

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

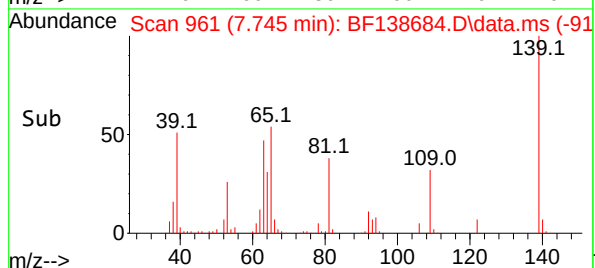
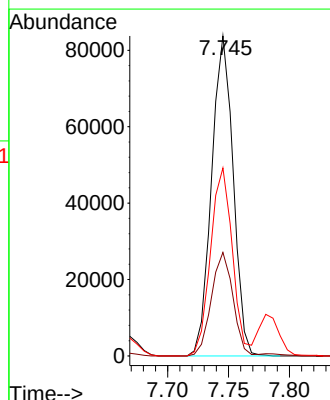
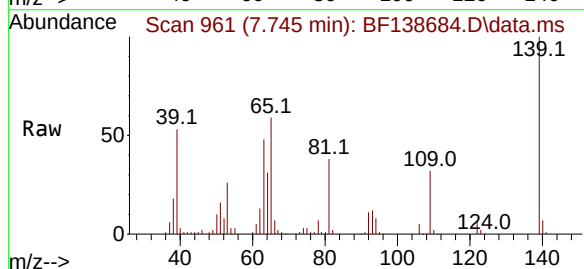
Tgt Ion:139 Resp: 103255

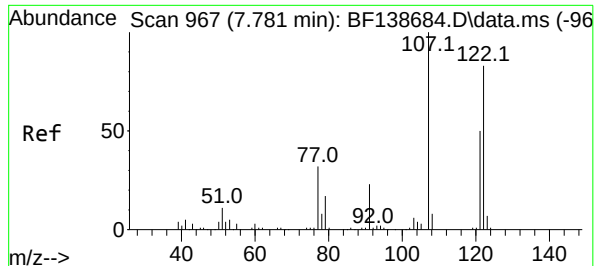
Ion Ratio Lower Upper

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 :

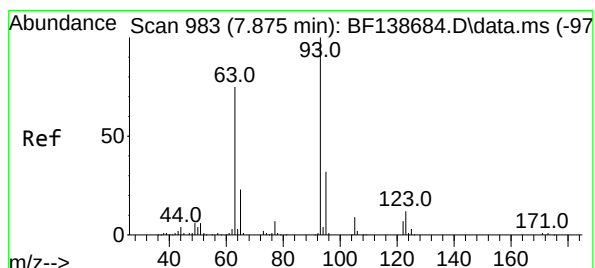
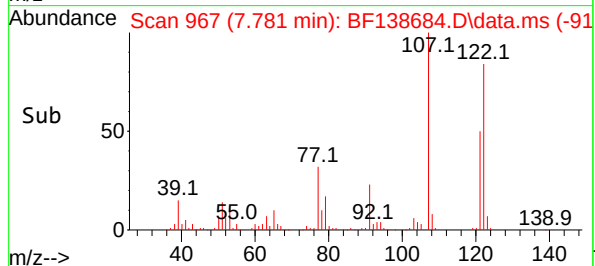
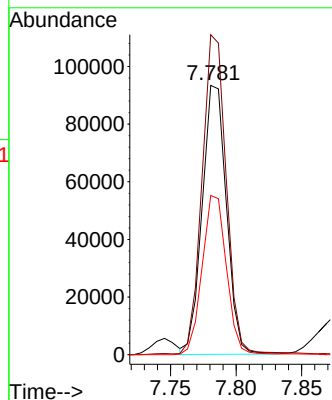
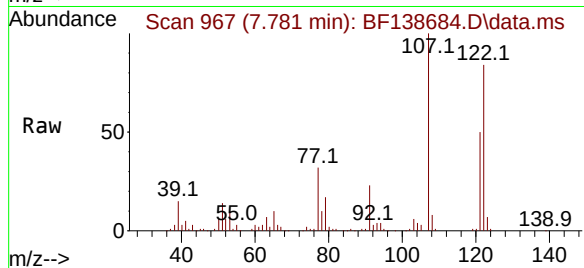
BNA_F

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

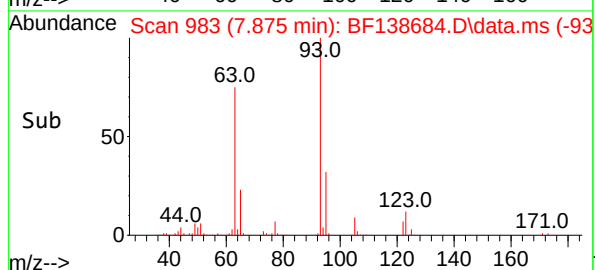
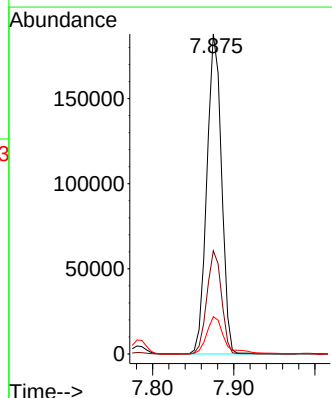
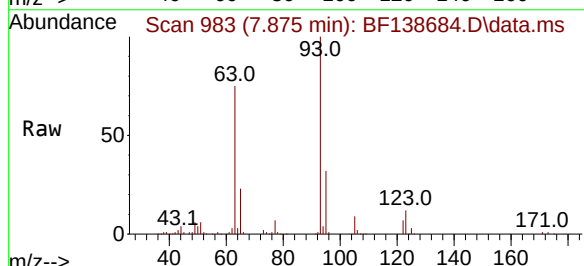
Delta R.T. 0.000 min

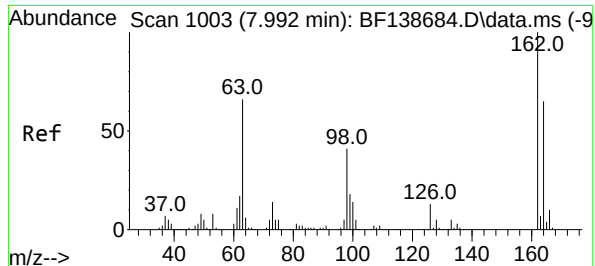
Lab File: BF138684.D

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

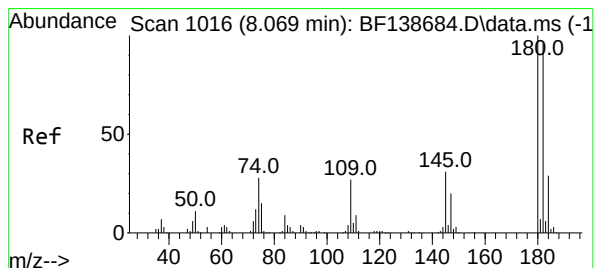
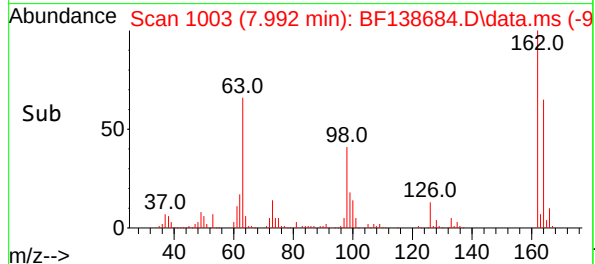
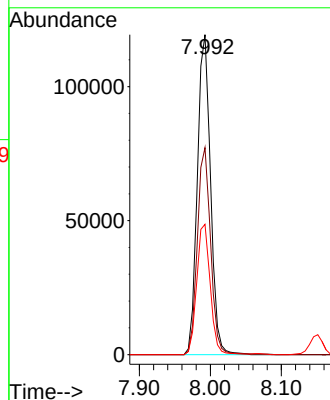
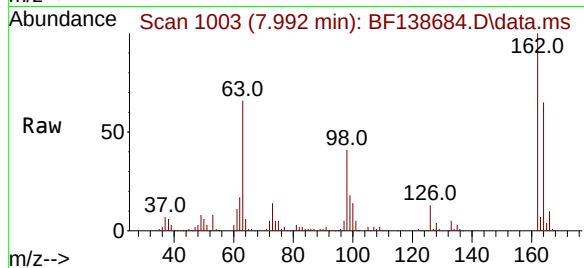
Tgt Ion:162 Resp: 155028

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

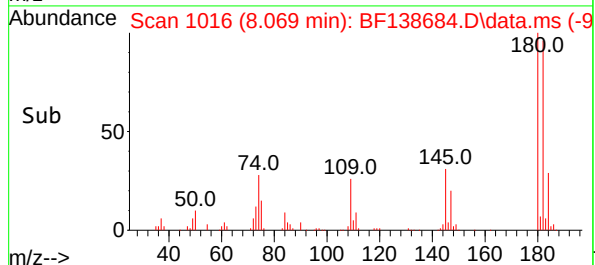
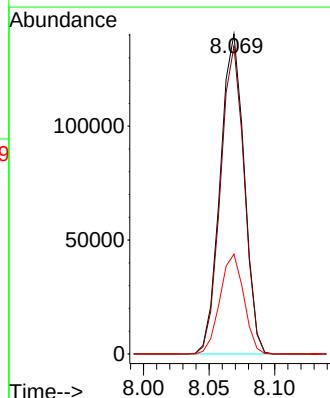
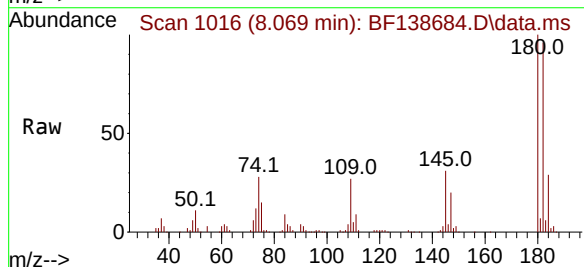
Tgt Ion:180 Resp: 178035

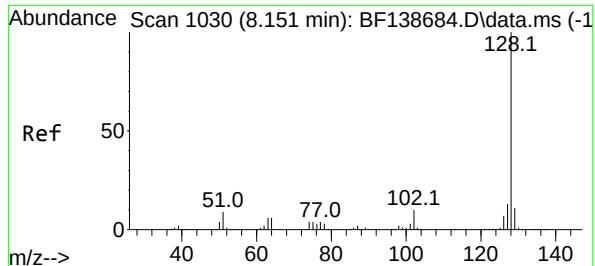
Ion Ratio Lower Upper

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

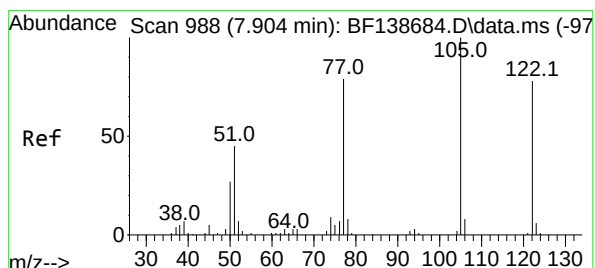
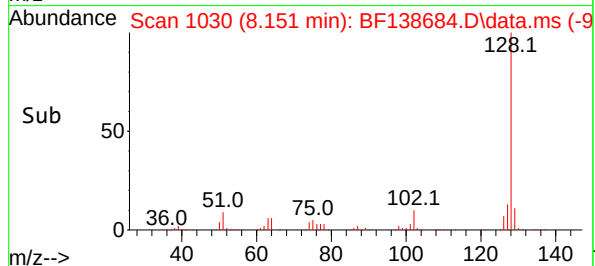
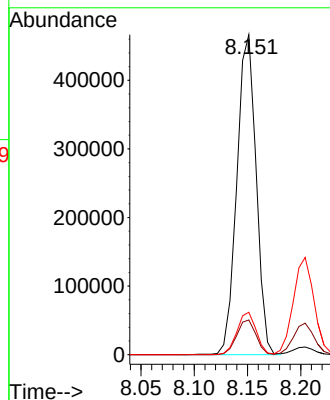
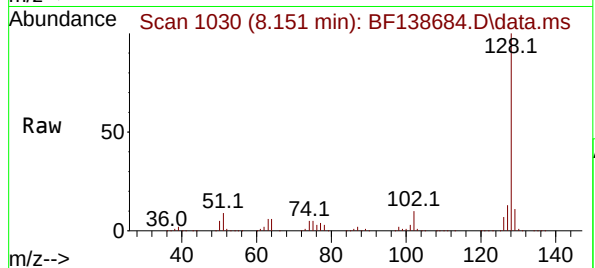
Tgt Ion:128 Resp: 587199

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

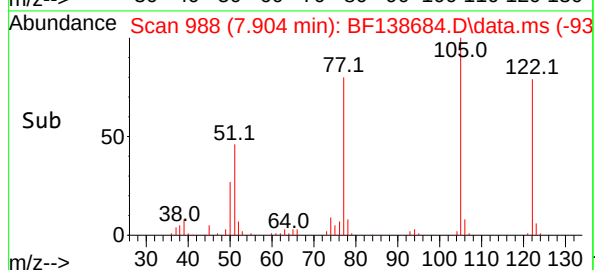
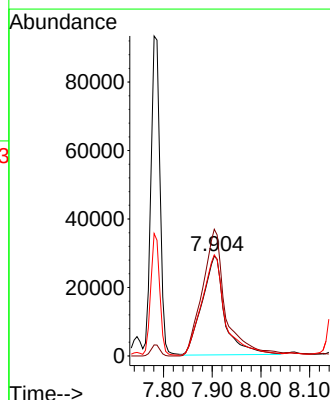
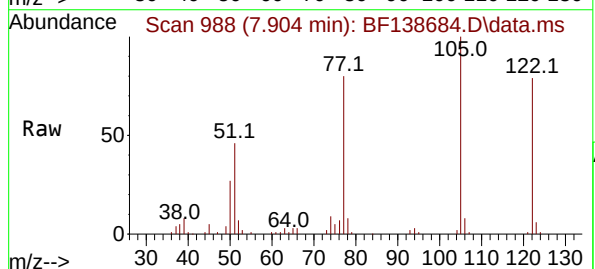
Tgt Ion:122 Resp: 93278

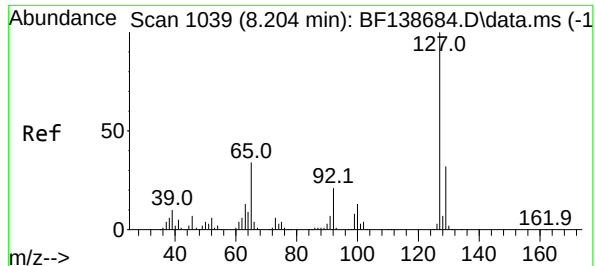
Ion Ratio Lower Upper

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

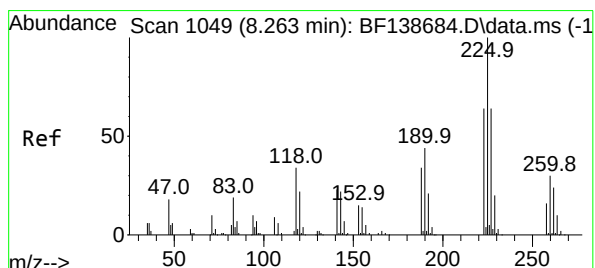
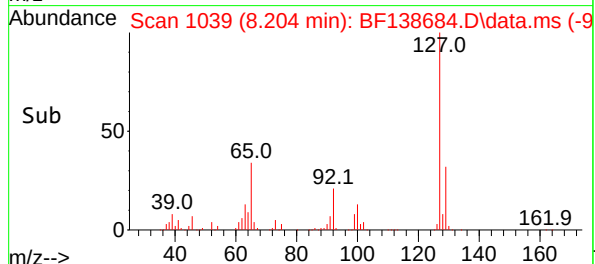
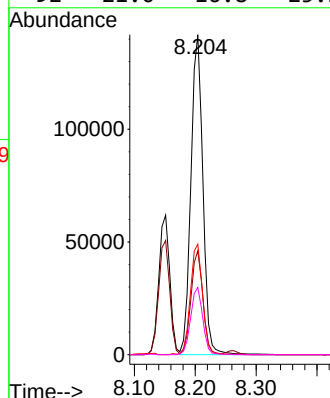
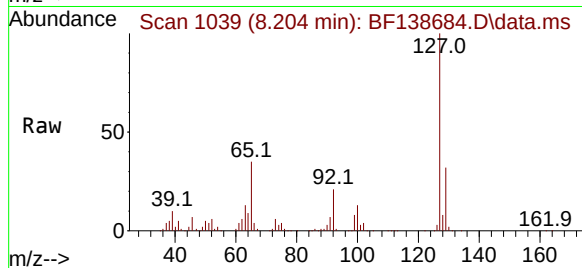
Ion Ratio Lower Upper

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

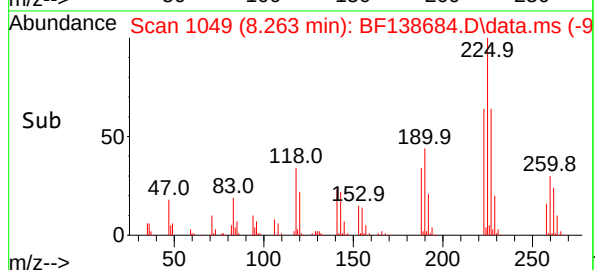
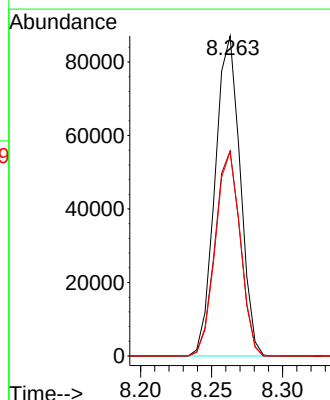
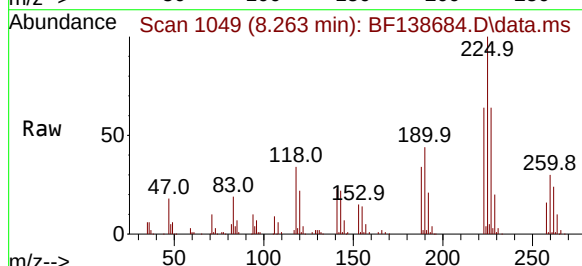
Tgt Ion:225 Resp: 106863

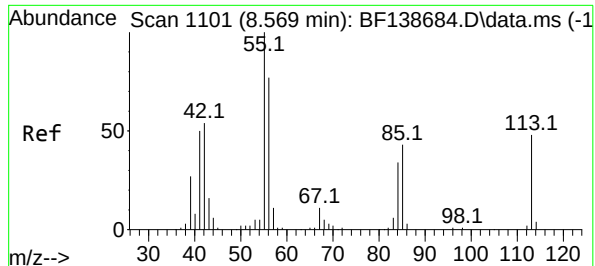
Ion Ratio Lower Upper

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

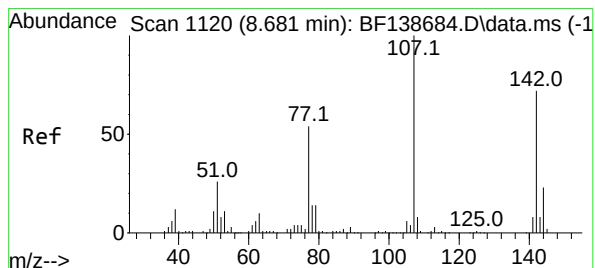
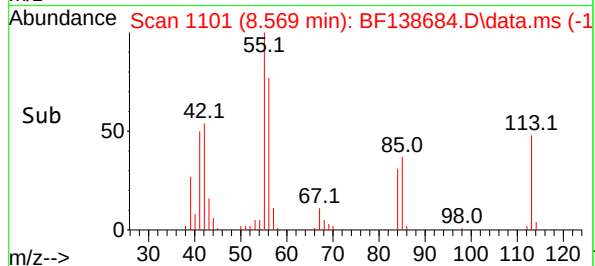
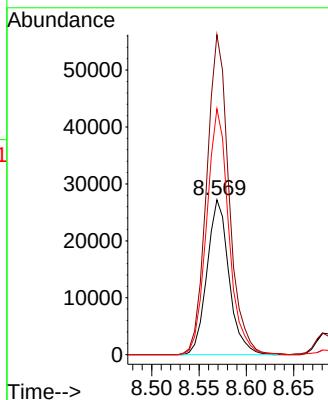
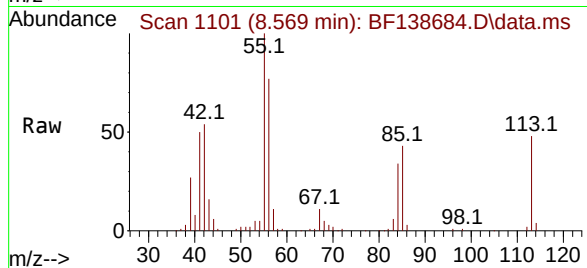
Tgt Ion:113 Resp: 43894

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

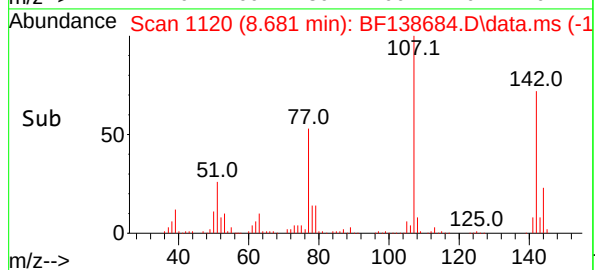
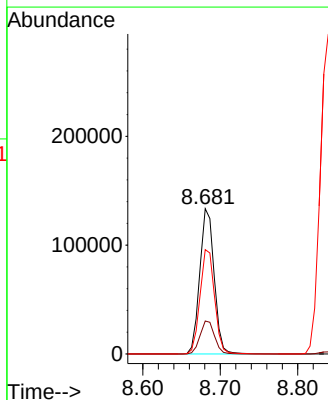
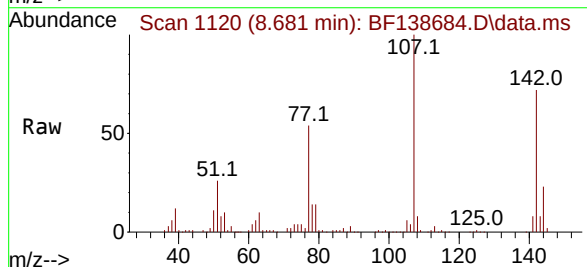
Tgt Ion:107 Resp: 172540

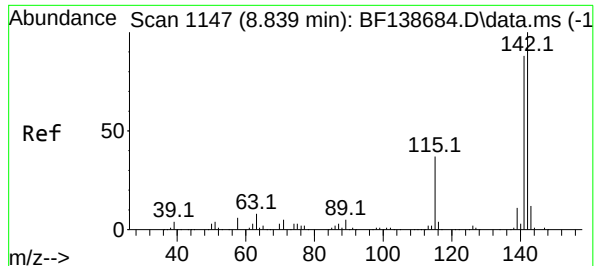
Ion Ratio Lower Upper

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 :

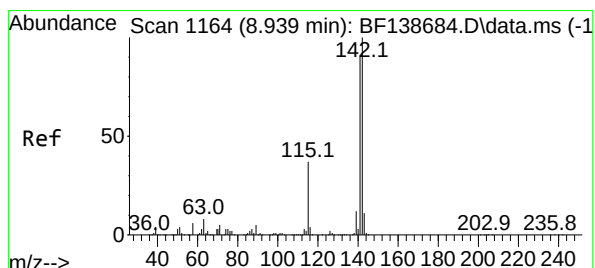
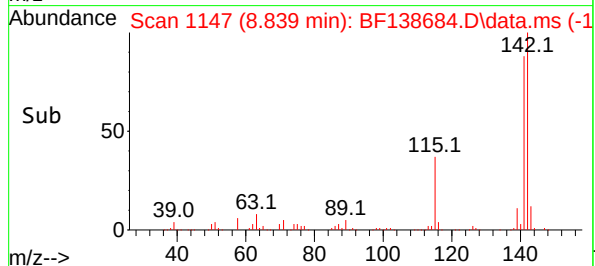
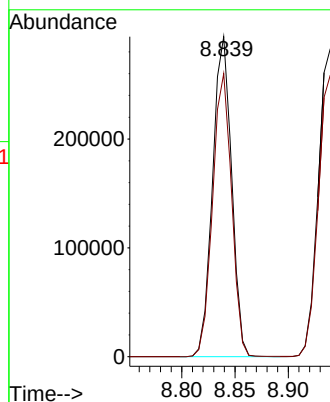
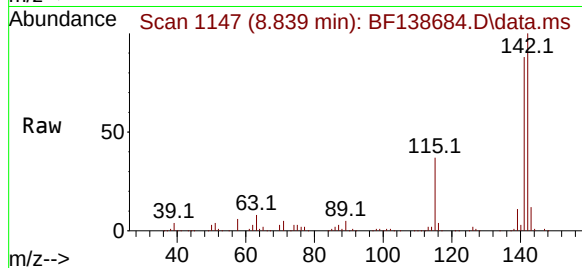
SSTDICCC040

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

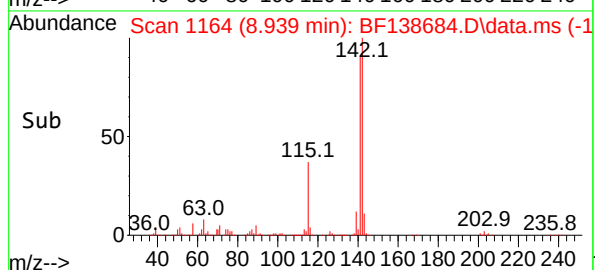
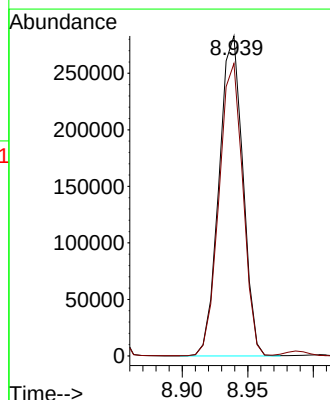
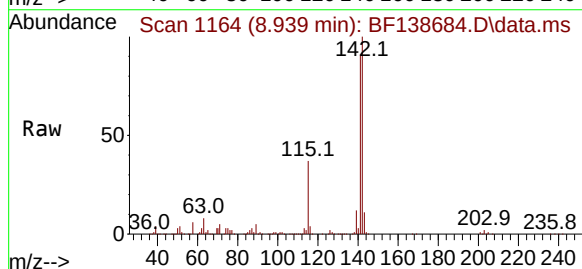
Acq: 30 Jul 2024 14:56

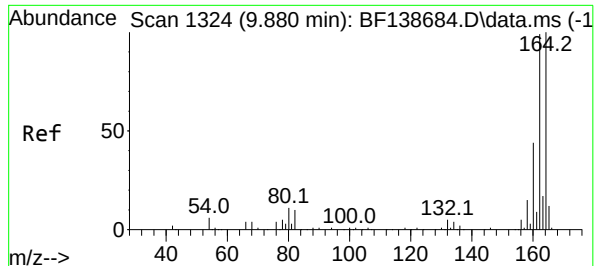
Tgt Ion:142 Resp: 357806

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

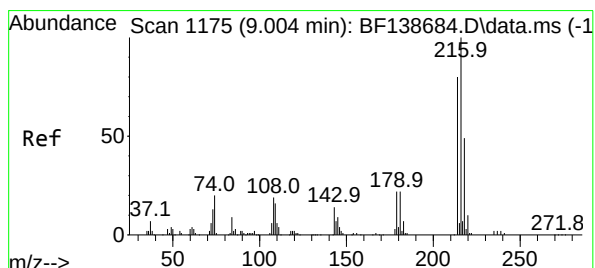
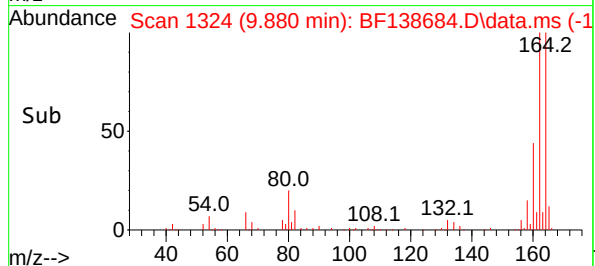
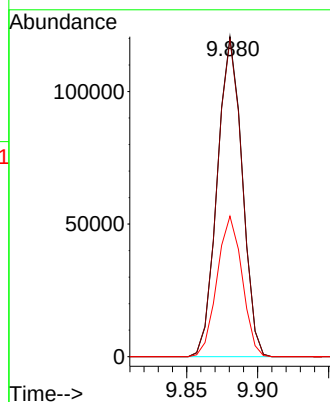
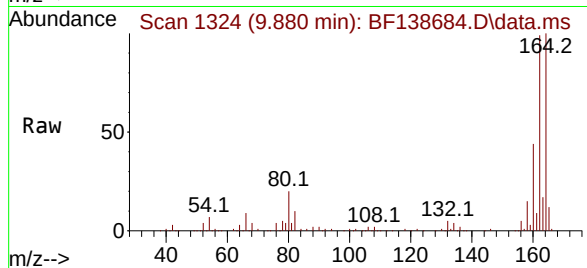
Tgt Ion:164 Resp: 146962

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

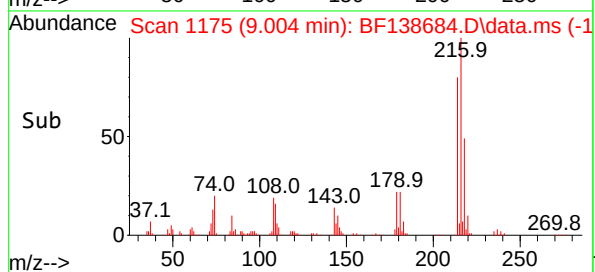
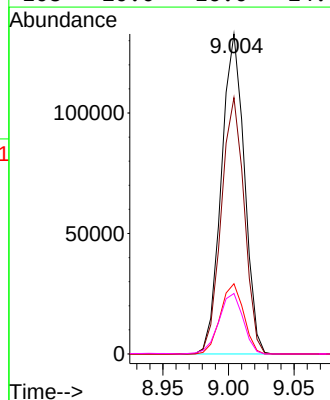
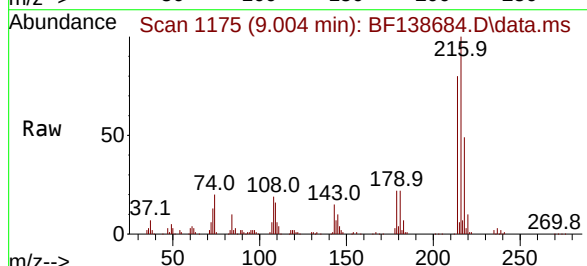
Ion Ratio Lower Upper

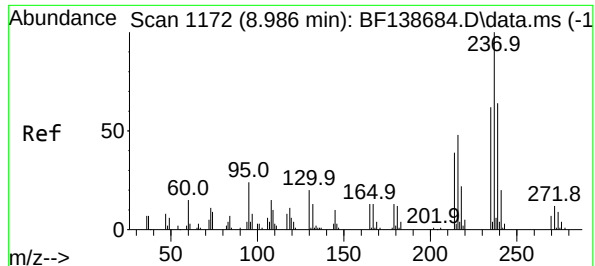
216 100

214 79.9 63.9 95.9

179 22.2 17.8 26.6

108 20.0 16.0 24.0

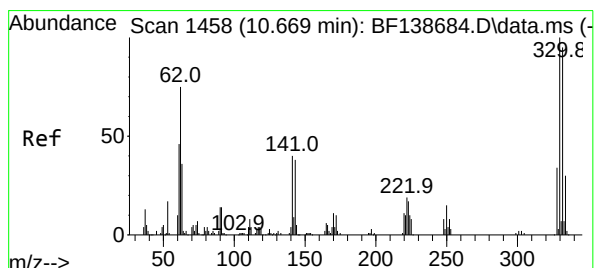
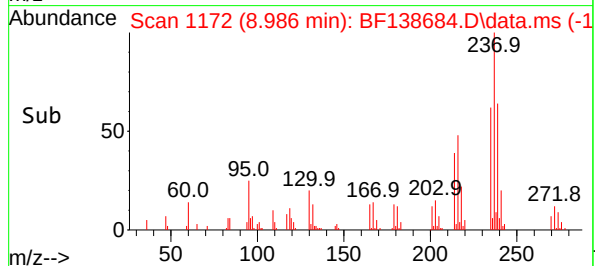
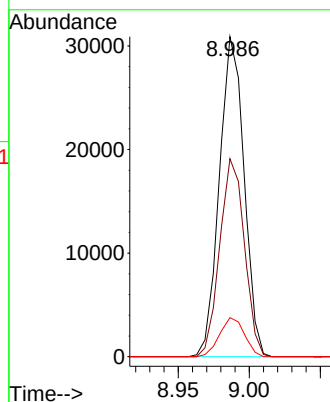
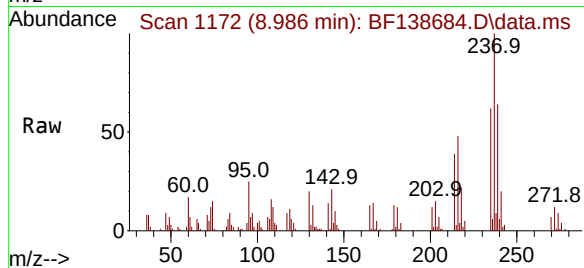




#41
Hexachlorocyclopentadiene
Concen: 38.484 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

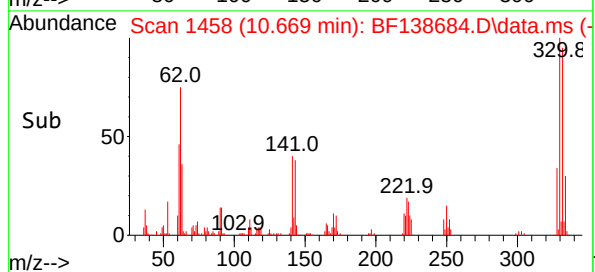
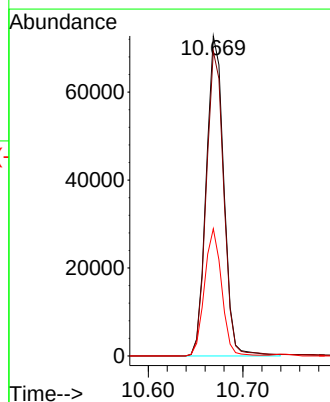
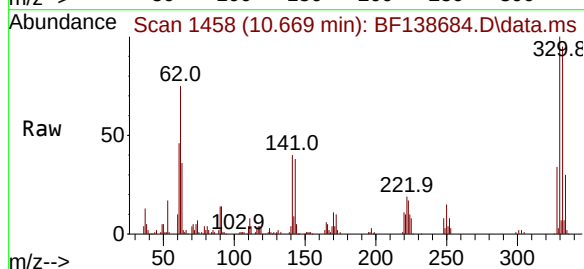
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

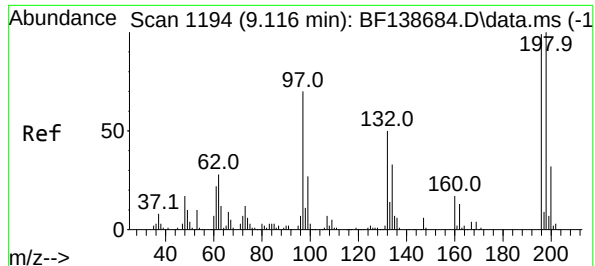
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.8	81.8
272	12.2	0.0	32.2



#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

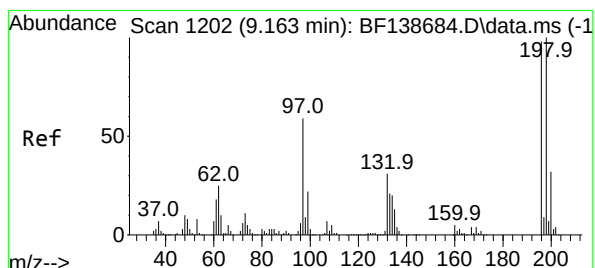
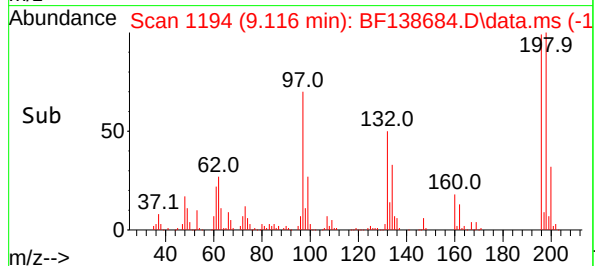
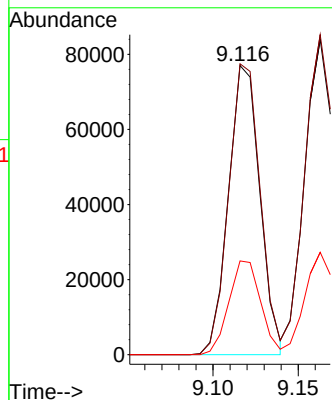
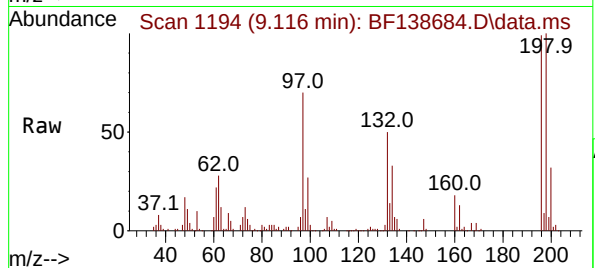
Tgt Ion:196 Resp: 98841

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

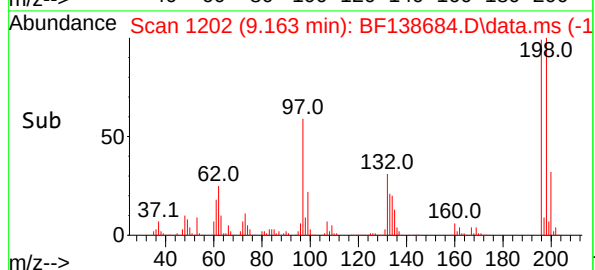
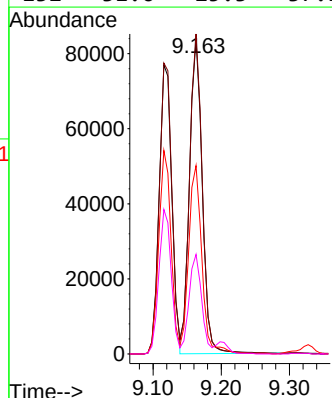
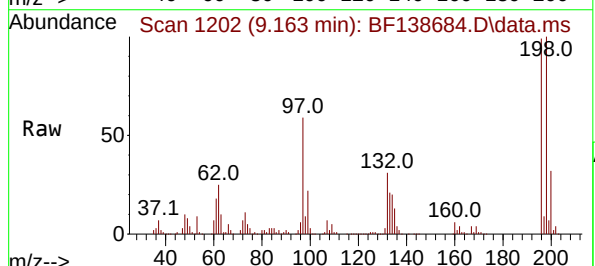
Ion Ratio Lower Upper

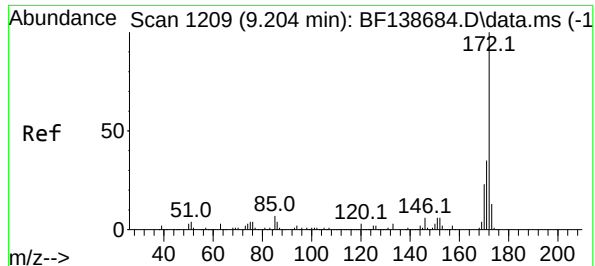
196 100

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

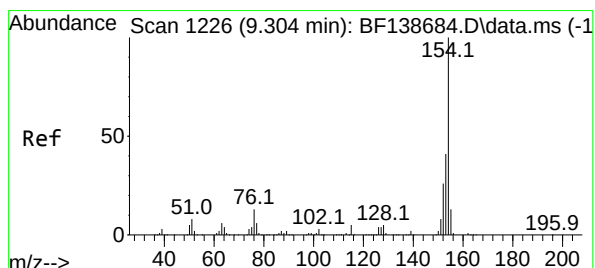
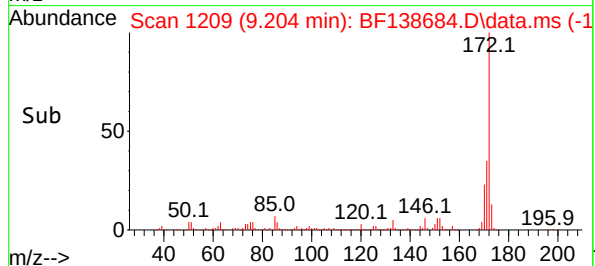
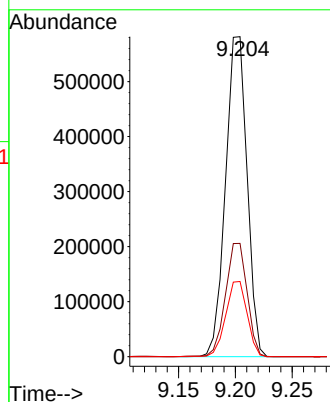
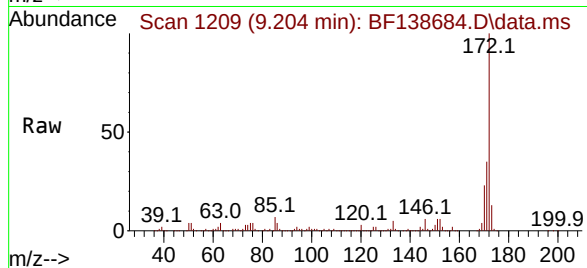
Tgt Ion:172 Resp: 767623

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

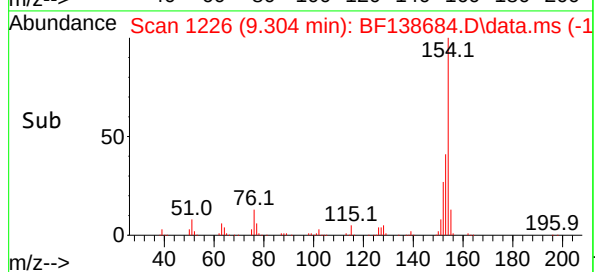
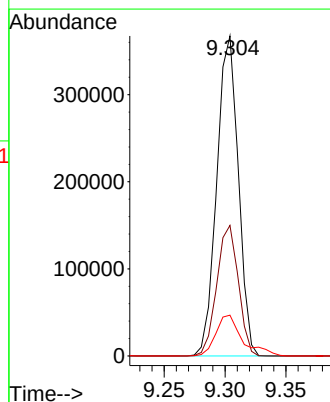
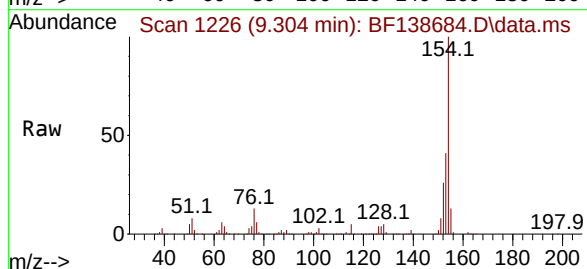
Tgt Ion:154 Resp: 452377

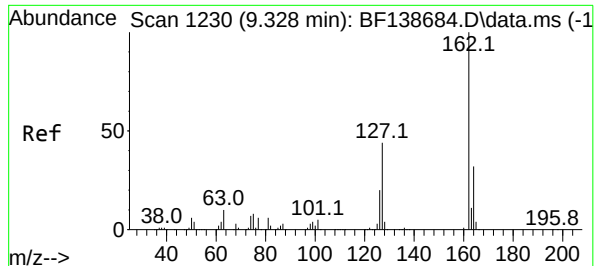
Ion Ratio Lower Upper

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

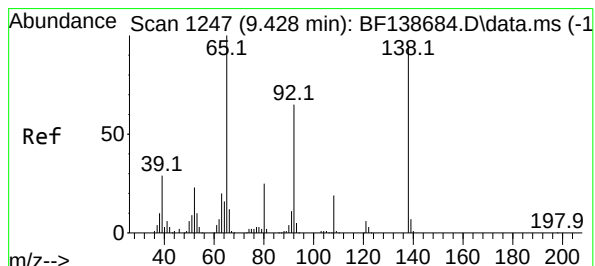
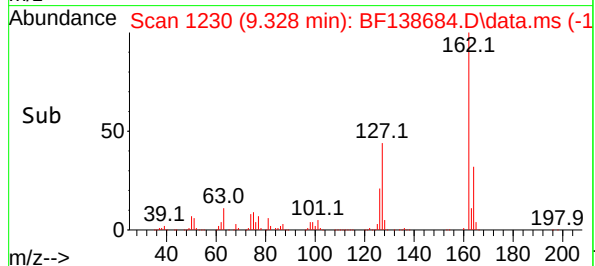
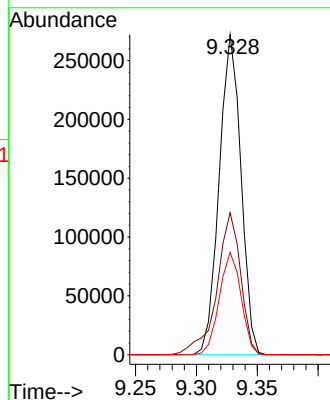
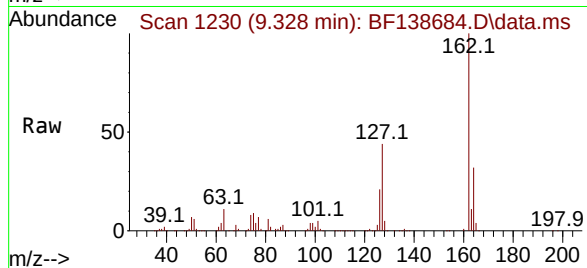
Tgt Ion:162 Resp: 338303

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

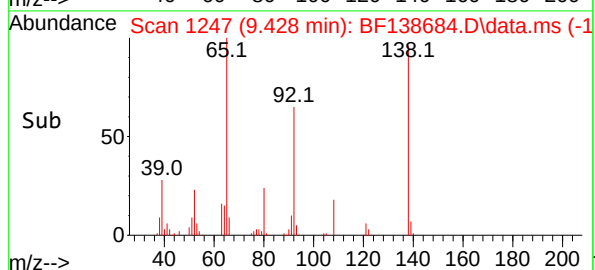
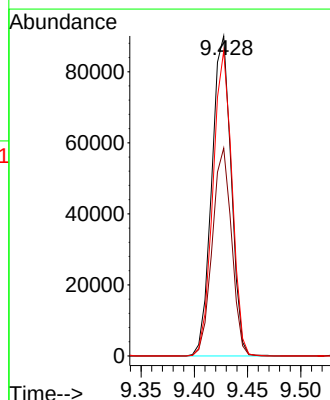
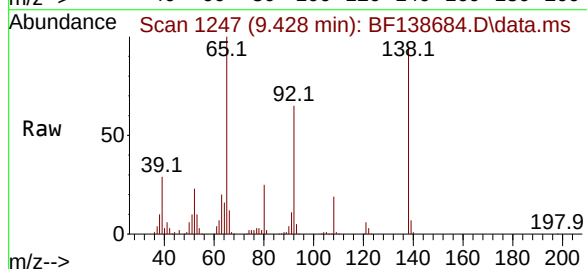
Tgt Ion: 65 Resp: 114390

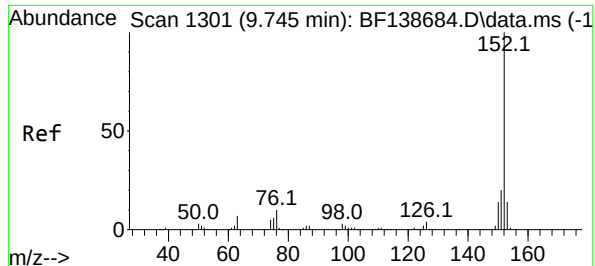
Ion Ratio Lower Upper

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

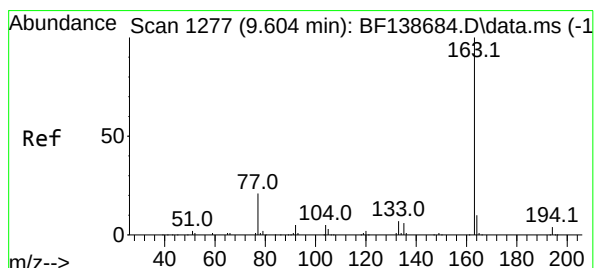
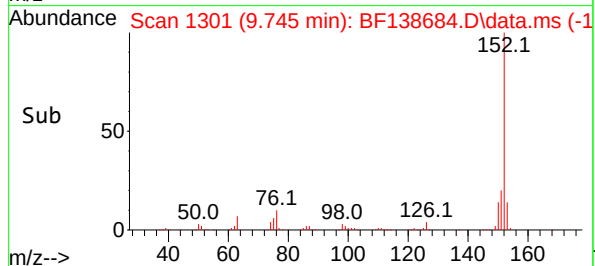
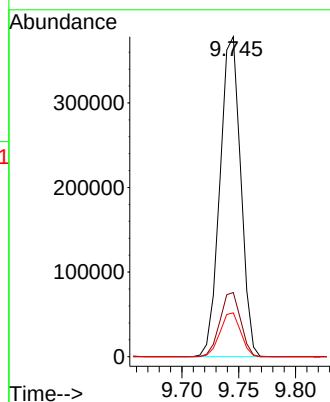
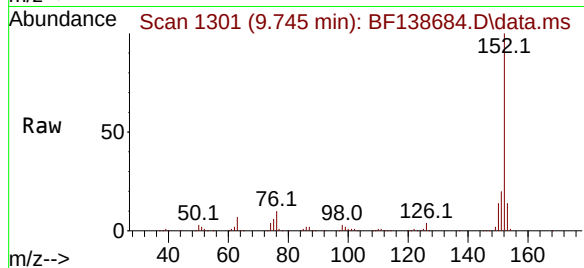
Tgt Ion:152 Resp: 481180

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

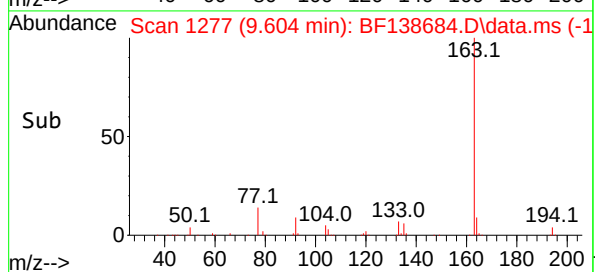
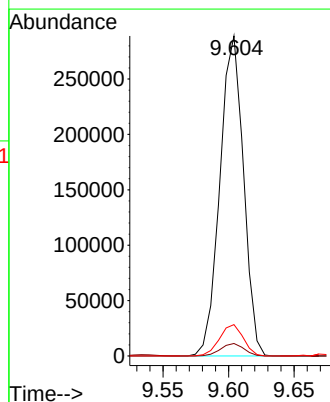
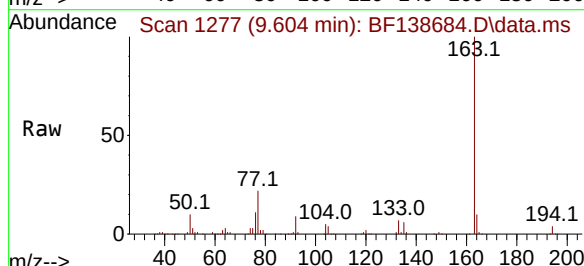
Tgt Ion:163 Resp: 361332

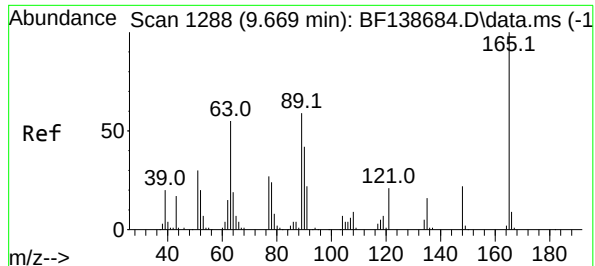
Ion Ratio Lower Upper

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

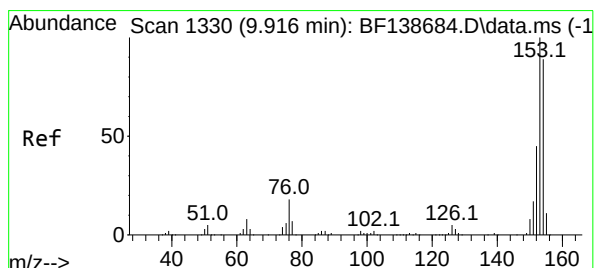
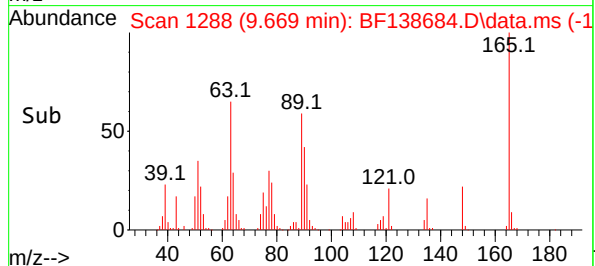
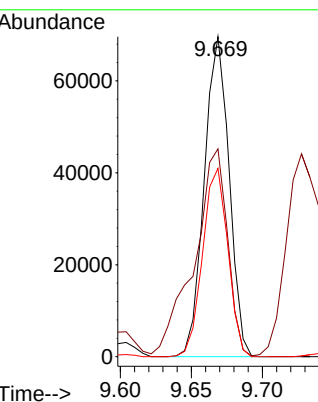
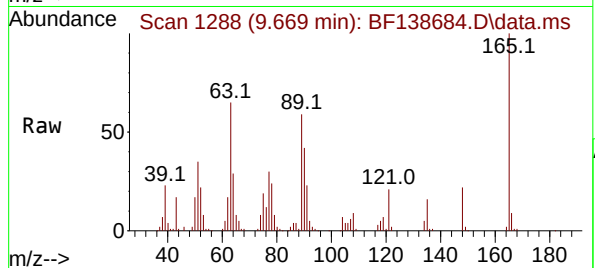
Tgt Ion:165 Resp: 84654

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

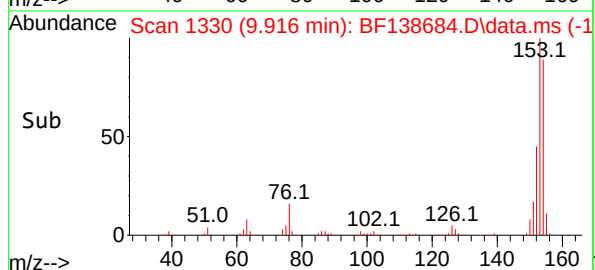
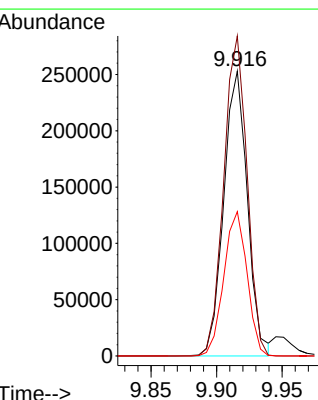
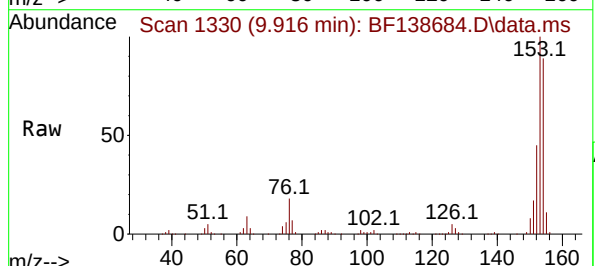
Tgt Ion:154 Resp: 318001

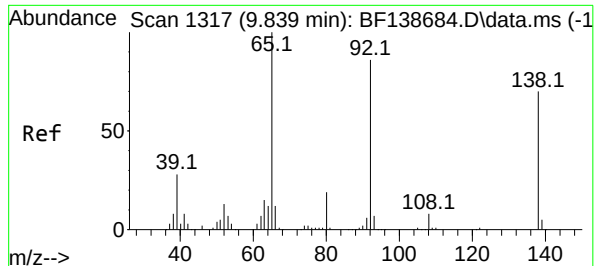
Ion Ratio Lower Upper

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

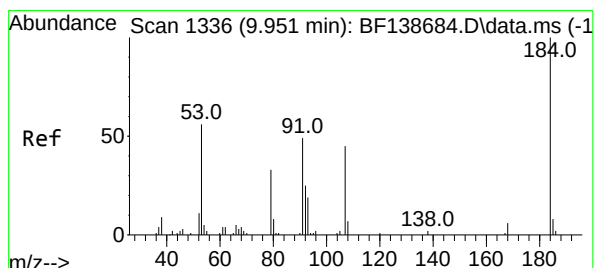
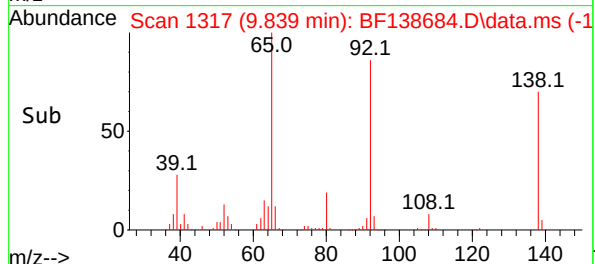
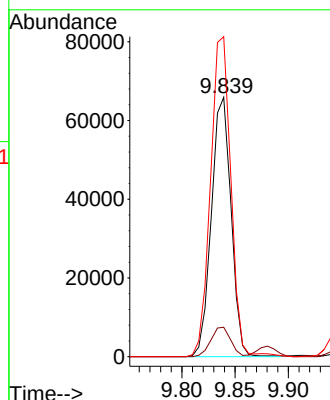
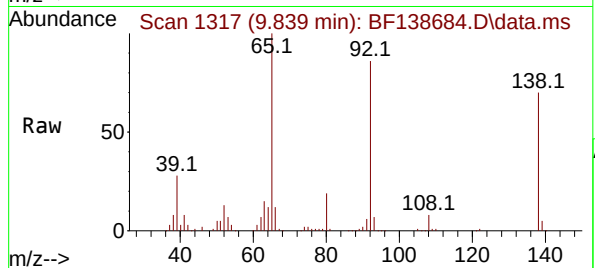
Tgt Ion:138 Resp: 84697

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

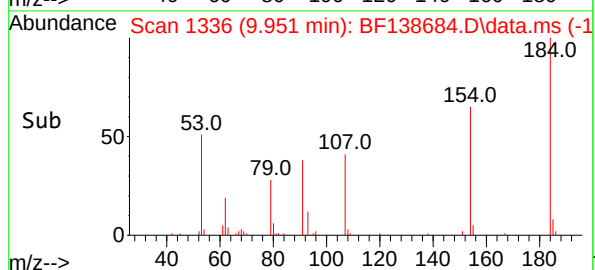
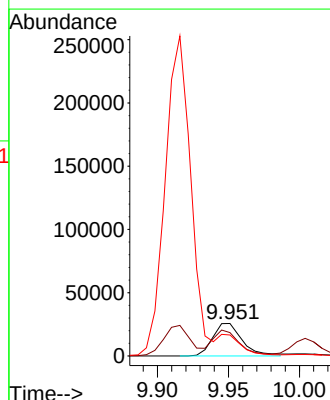
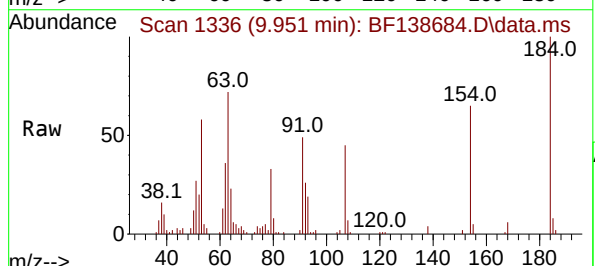
Tgt Ion:184 Resp: 37379

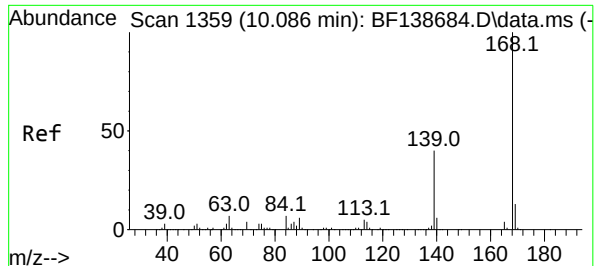
Ion Ratio Lower Upper

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

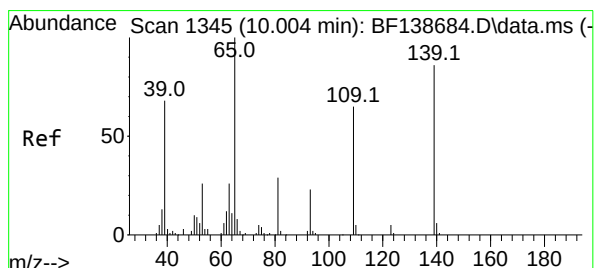
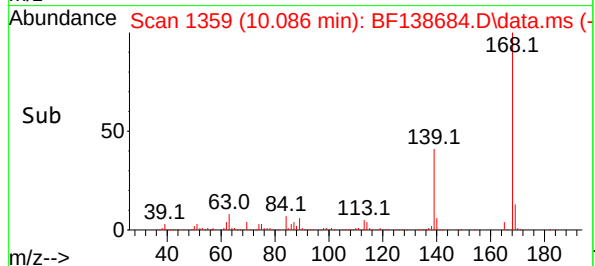
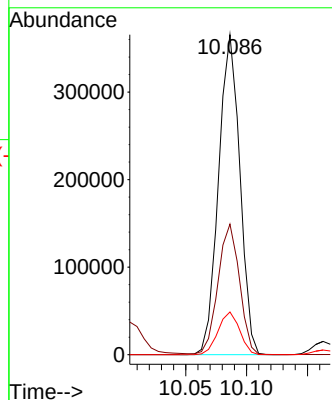
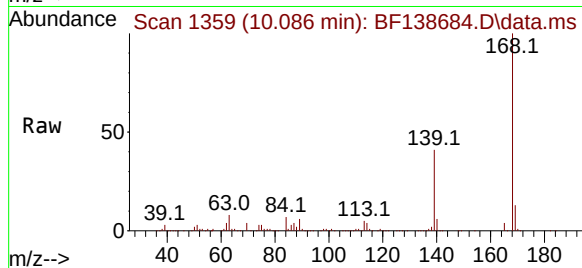
Tgt Ion:168 Resp: 445244

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

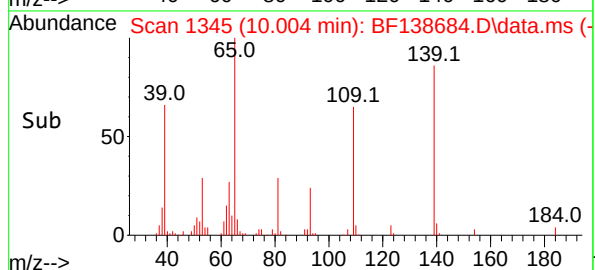
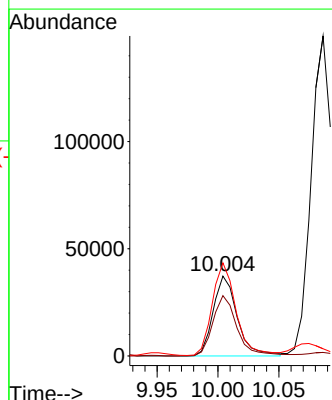
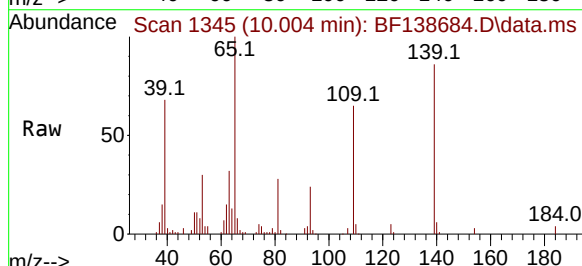
Tgt Ion:139 Resp: 51459

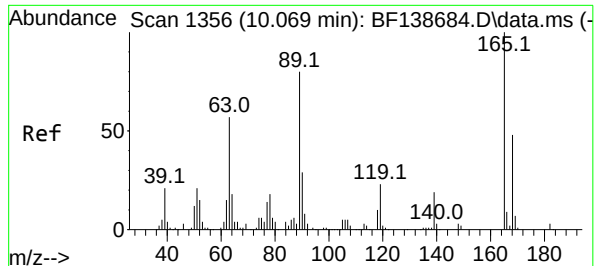
Ion Ratio Lower Upper

139 100

109 75.5 55.5 95.5

65 116.7 96.7 136.7

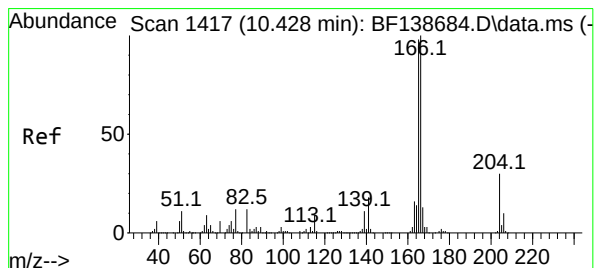
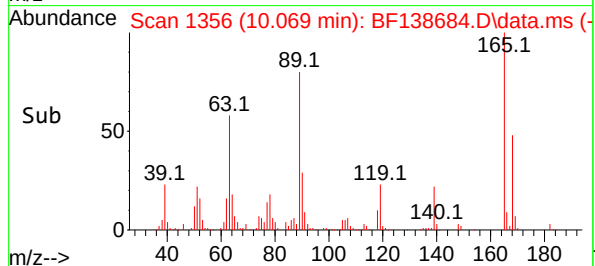
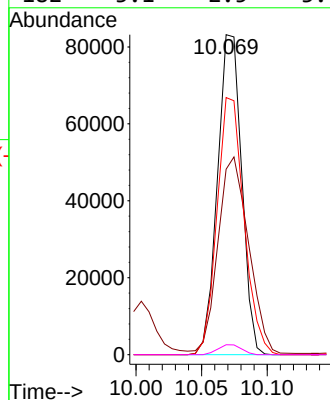
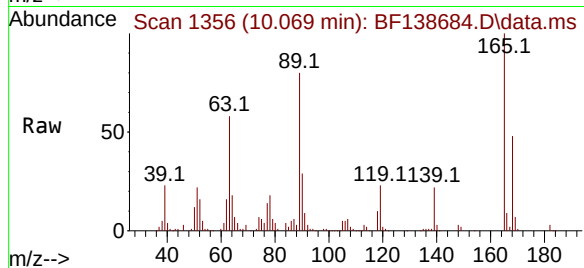




#57
2,4-Dinitrotoluene
Concen: 39.341 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

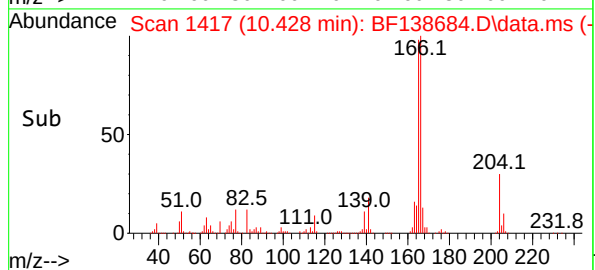
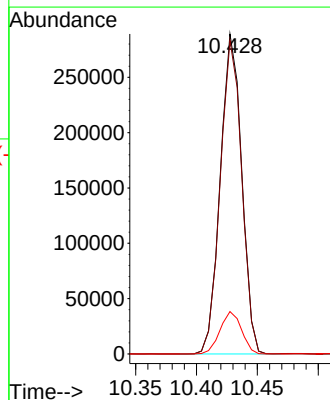
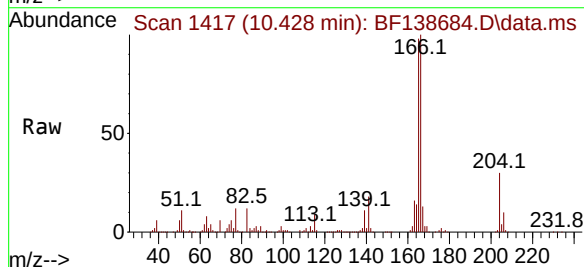
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

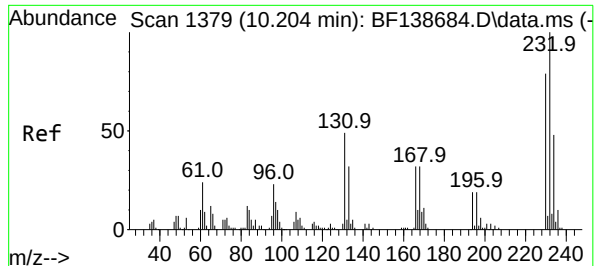
Tgt Ion:165 Resp: 106444
Ion Ratio Lower Upper
165 100
63 57.9 46.3 69.5
89 80.3 64.2 96.4
182 3.1 2.5 3.7



#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

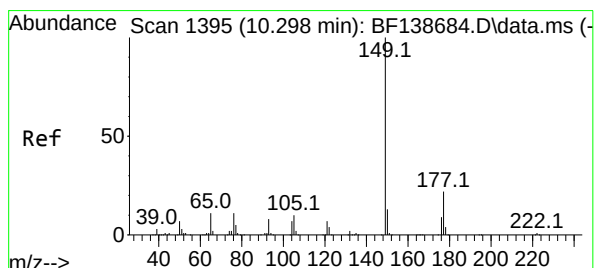
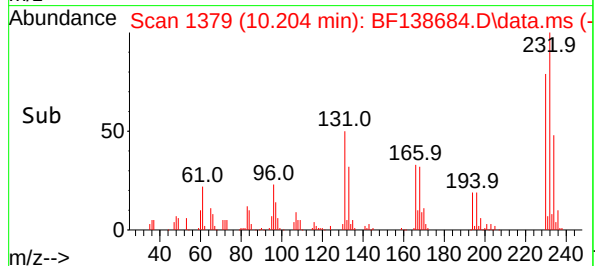
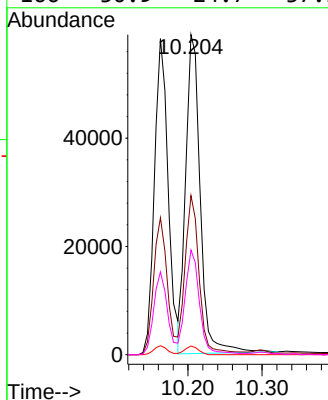
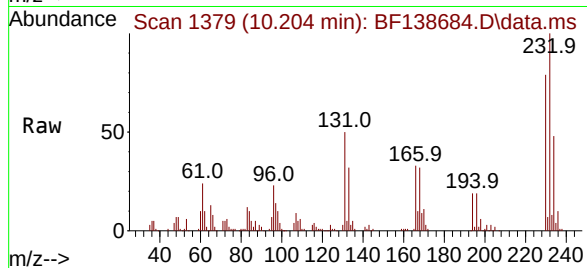




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.673 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

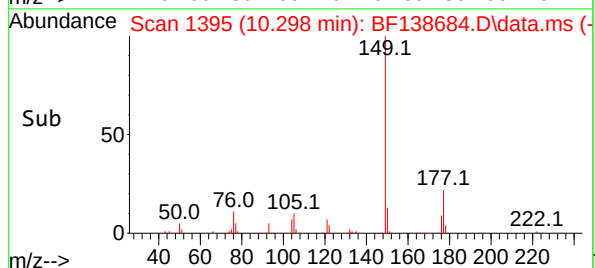
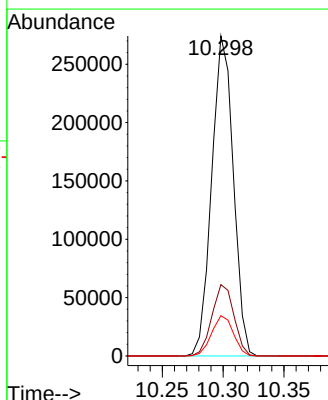
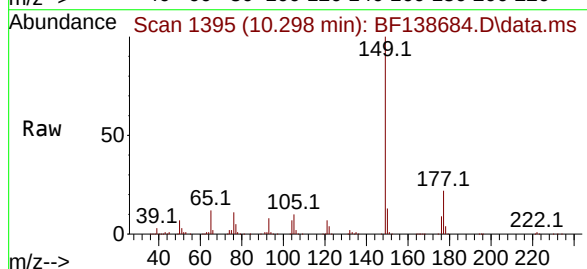
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

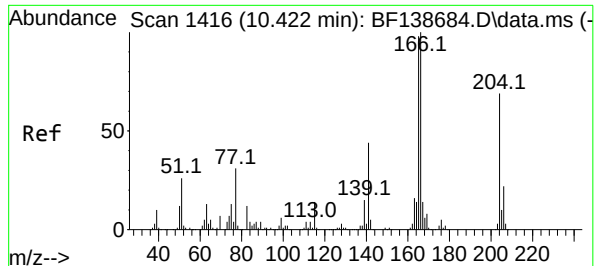
Tgt Ion:232 Resp: 80452
Ion Ratio Lower Upper
232 100
131 46.2 37.0 55.4
130 2.5 2.0 3.0
166 30.9 24.7 37.1



#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

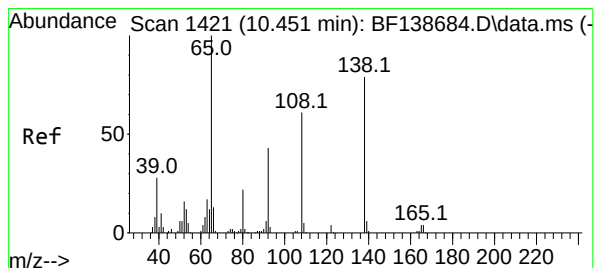
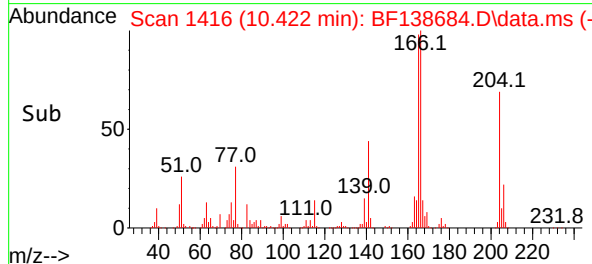
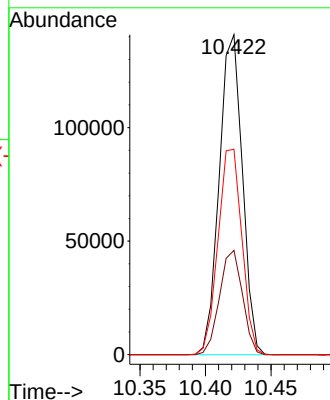
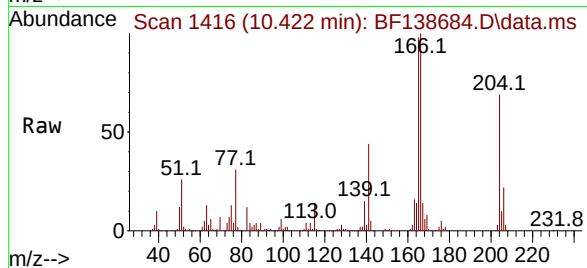




#61
4-Chlorophenyl-phenylether
Concen: 38.346 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

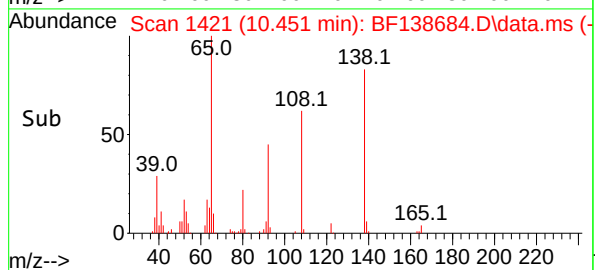
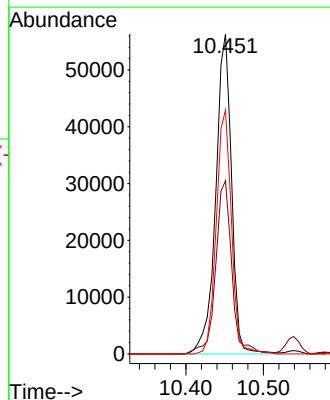
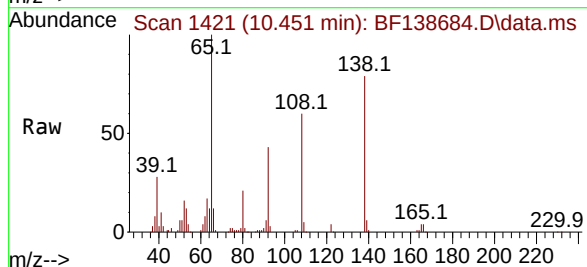
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

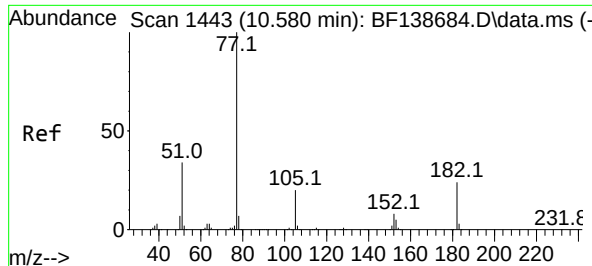
Tgt Ion:204 Resp: 173020
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 64.2 51.4 77.0



#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

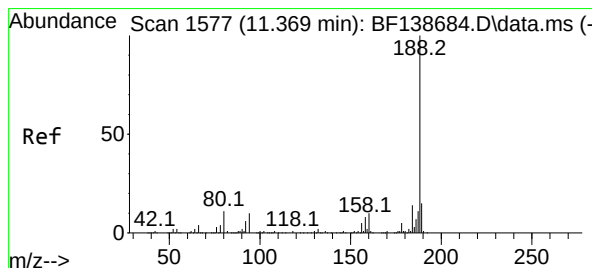
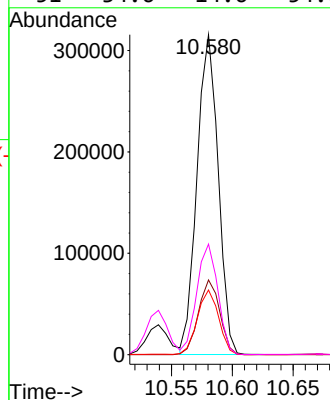
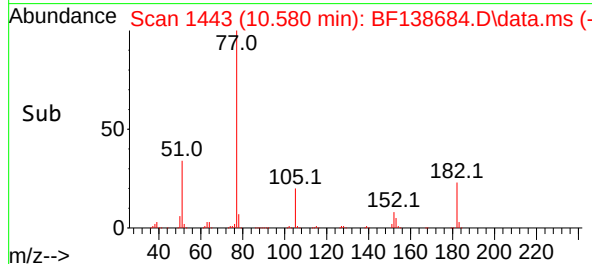
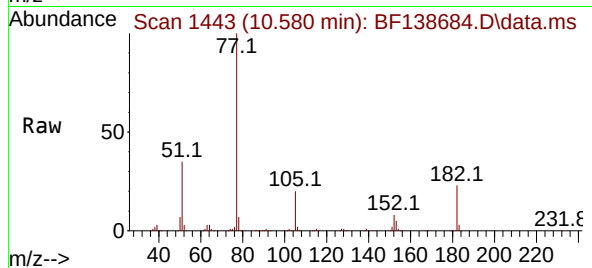




#63
Azobenzene
Concen: 38.662 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

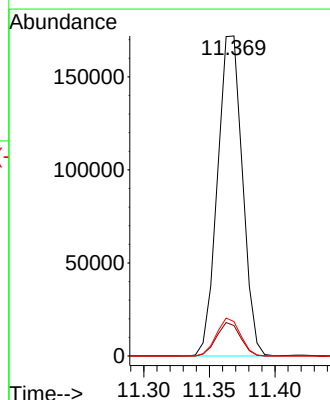
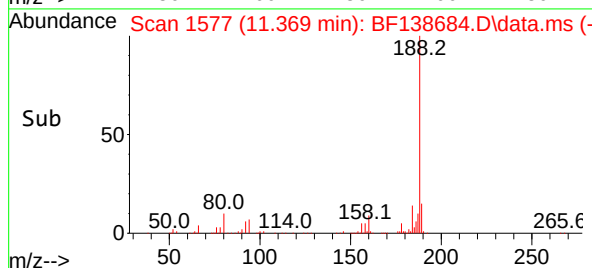
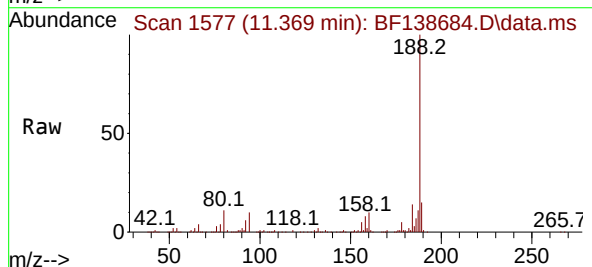
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

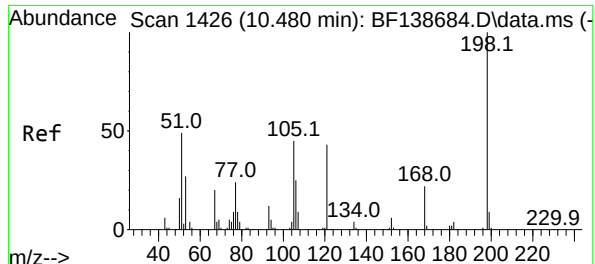
Tgt Ion: 77	Resp: 382056
Ion Ratio	Lower Upper
77 100	
182 23.4	3.4 43.4
105 20.2	0.2 40.2
51 34.6	14.6 54.6



#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

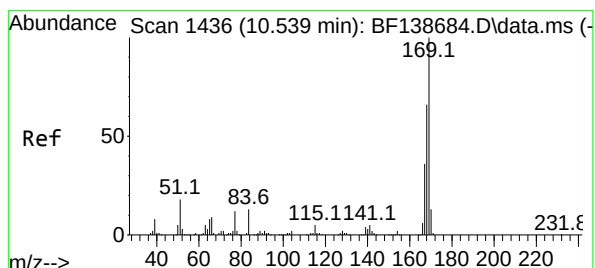
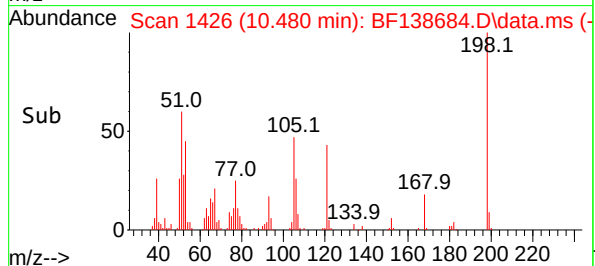
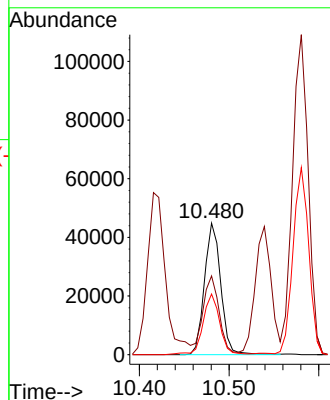
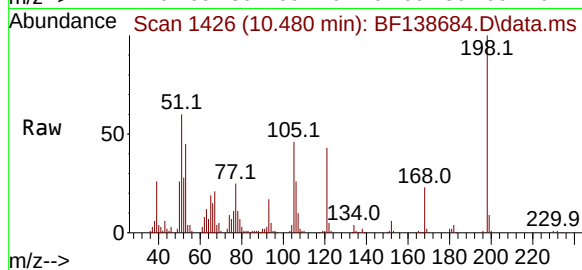




#65
4,6-Dinitro-2-methylphenol
Concen: 40.852 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

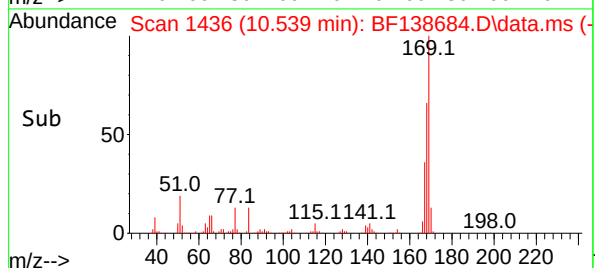
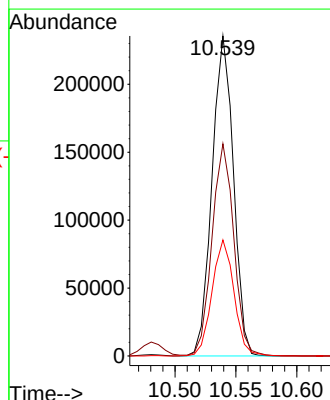
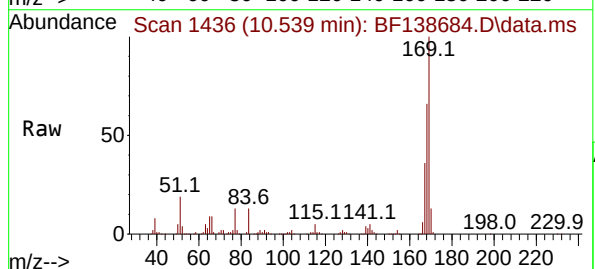
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

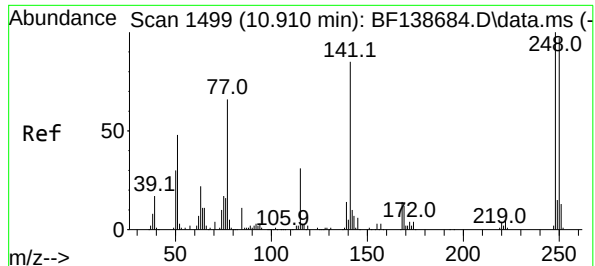
Tgt Ion:198 Resp: 56704
Ion Ratio Lower Upper
198 100
51 59.9 39.9 79.9
105 46.1 26.1 66.1



#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

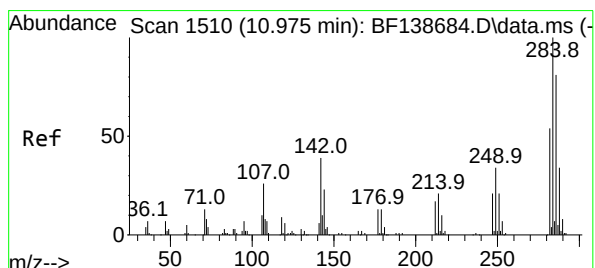
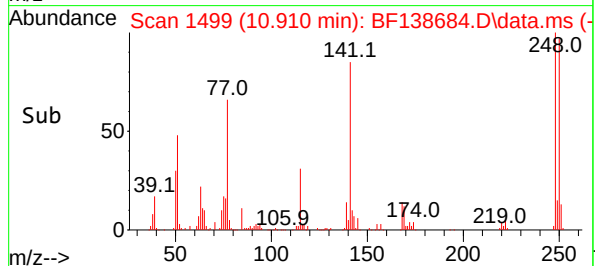
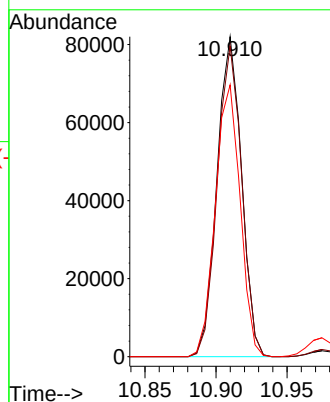
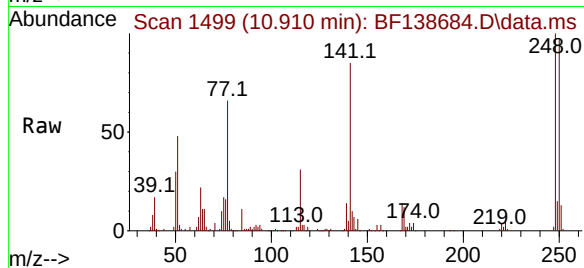




#67
4-Bromophenyl-phenylether
Concen: 40.031 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

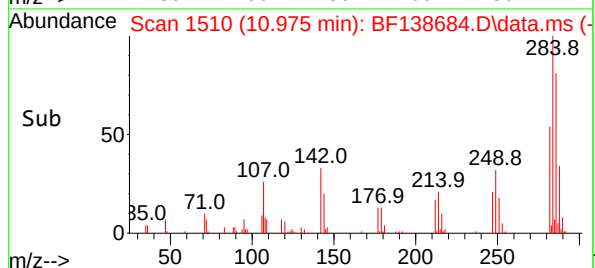
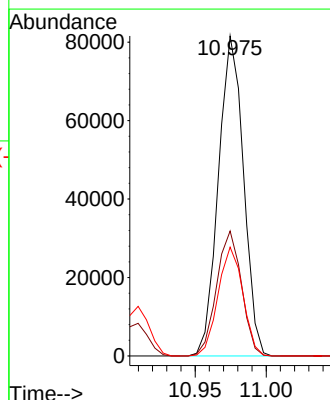
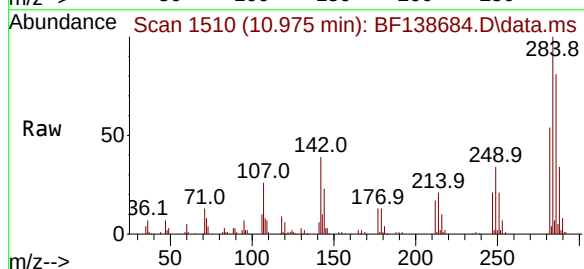
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

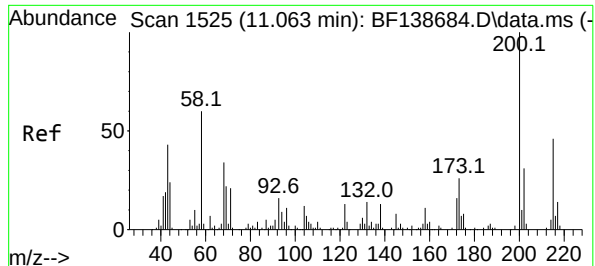
Tgt Ion:248 Resp: 98606
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 85.0 68.0 102.0



#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

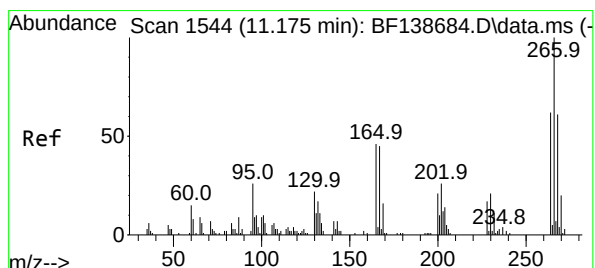
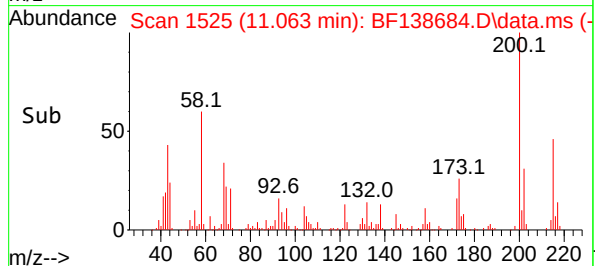
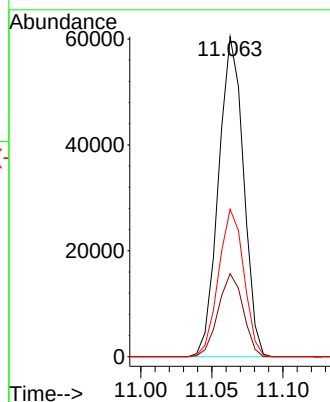
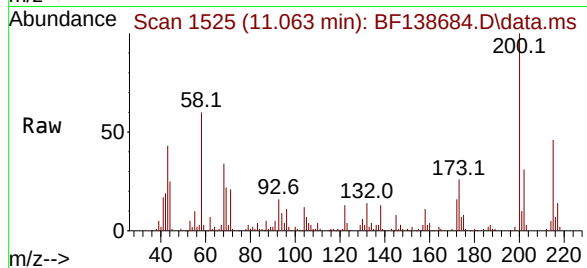
Tgt Ion:200 Resp: 73933

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

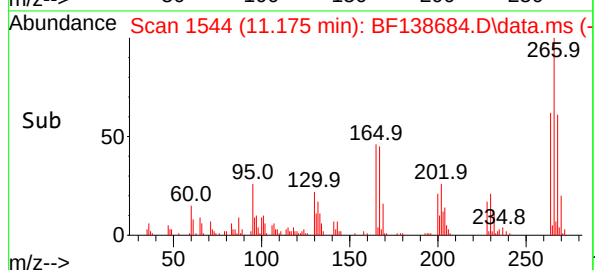
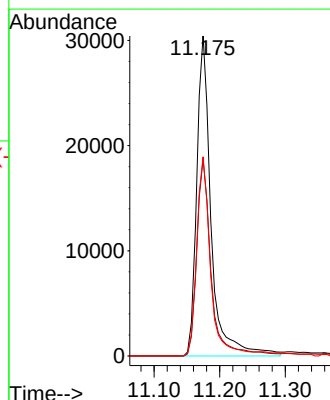
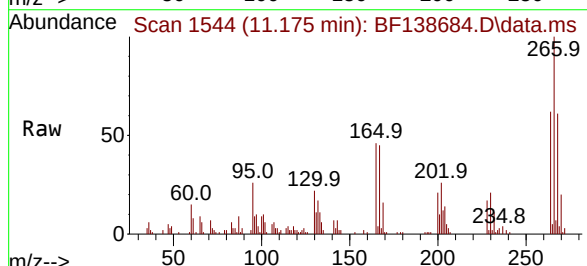
Tgt Ion:266 Resp: 46467

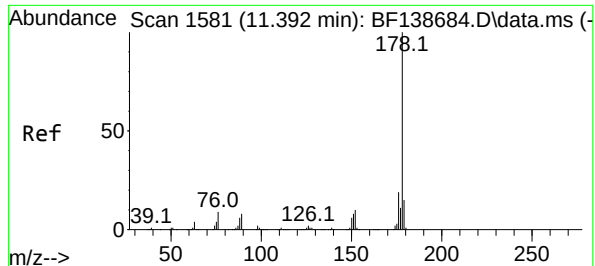
Ion Ratio Lower Upper

266 100

268 61.5 49.2 73.8

264 62.2 49.8 74.6

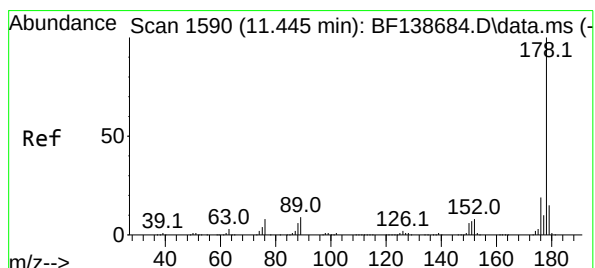
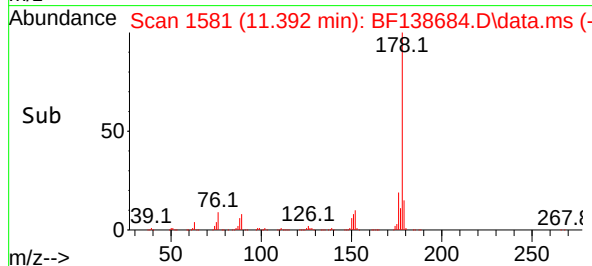
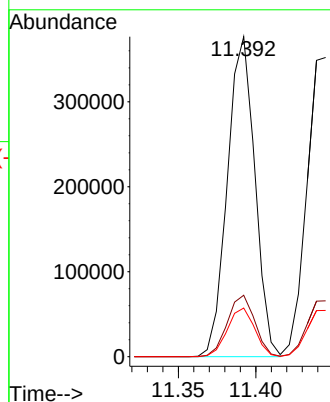
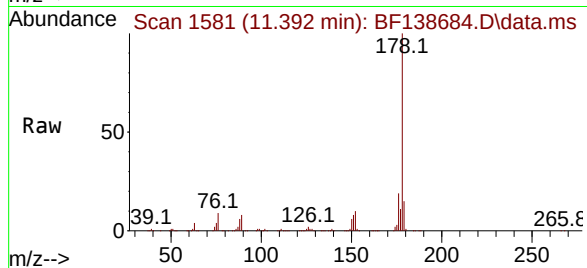




#71
Phenanthrene
Concen: 39.658 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

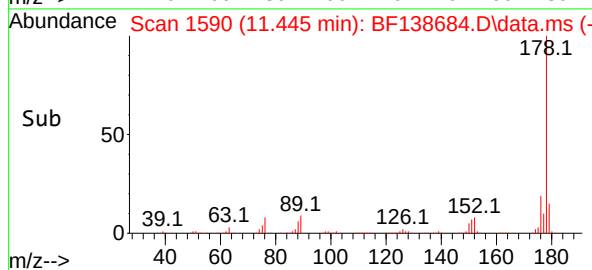
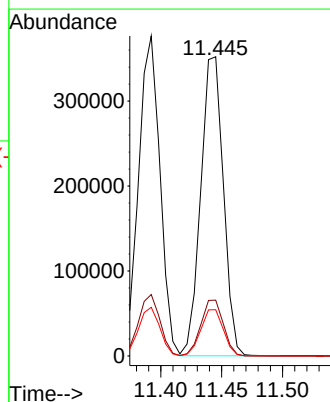
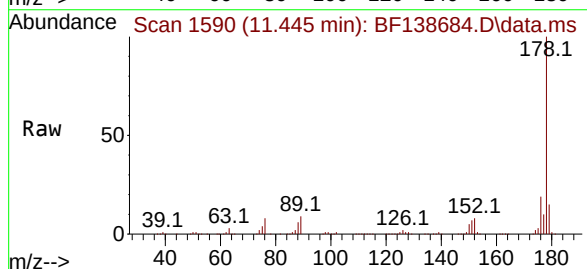
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

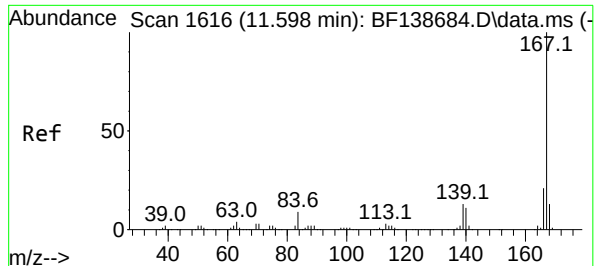
Tgt Ion:178 Resp: 464600
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2



#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

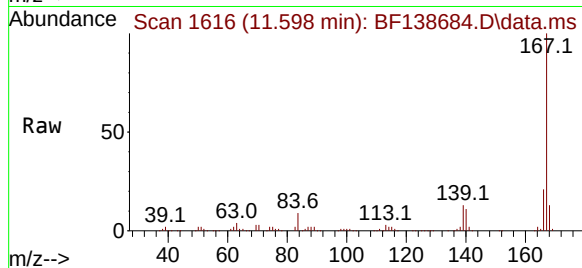
Tgt Ion:178 Resp: 456164
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.5 12.4 18.6



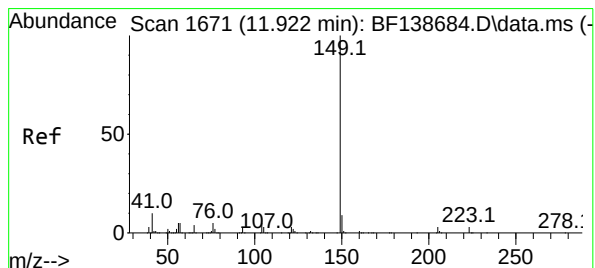
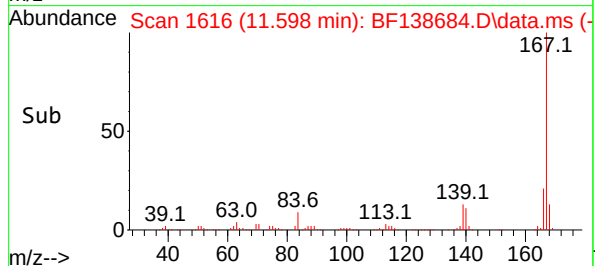
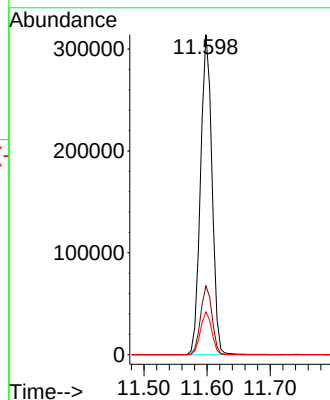


#73
Carbazole
Concen: 39.739 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

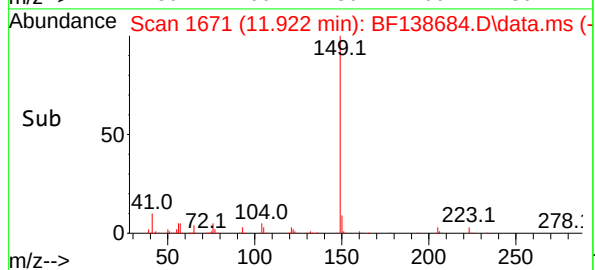
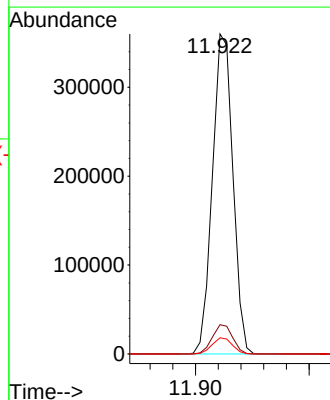
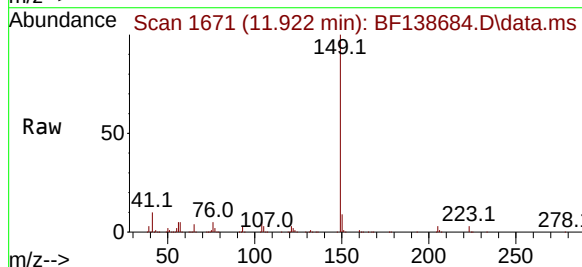


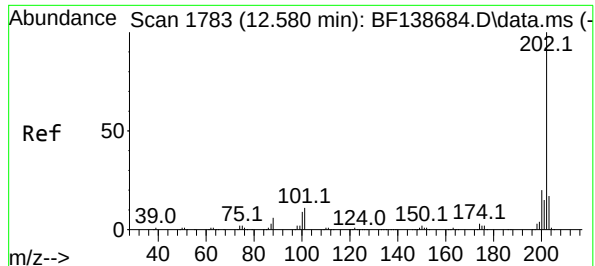
Tgt Ion:167 Resp: 395675
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 13.3 10.6 16.0



#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

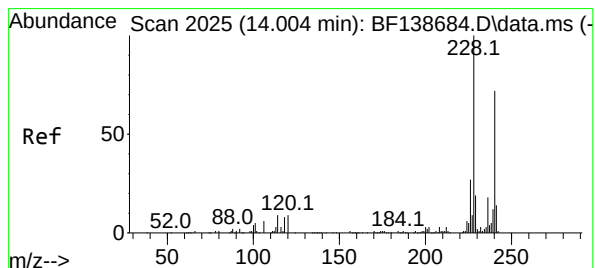
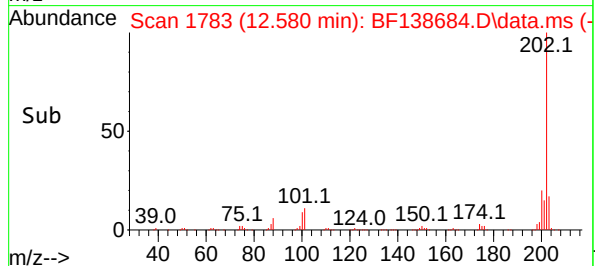
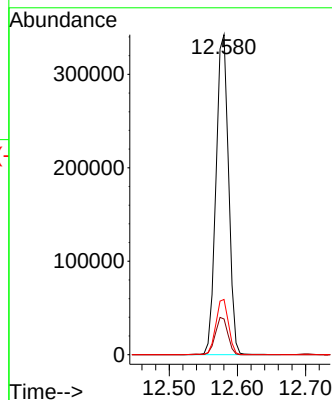
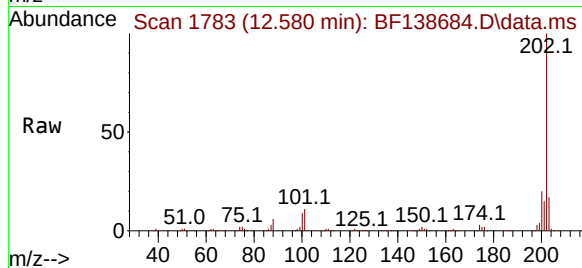




#75
Fluoranthene
Concen: 40.144 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

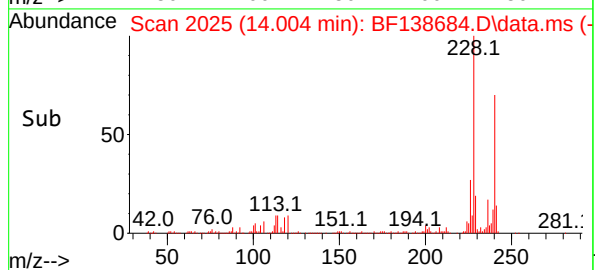
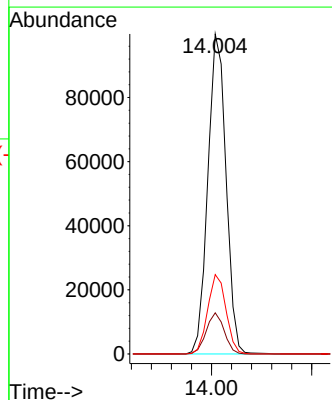
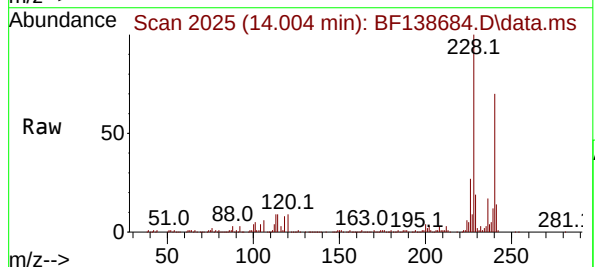
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

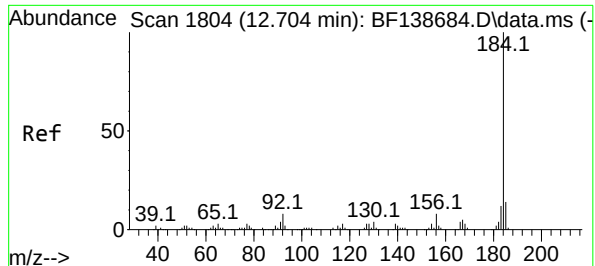
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.3	0.0	37.3



#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

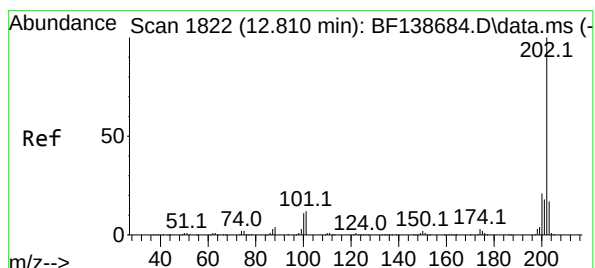
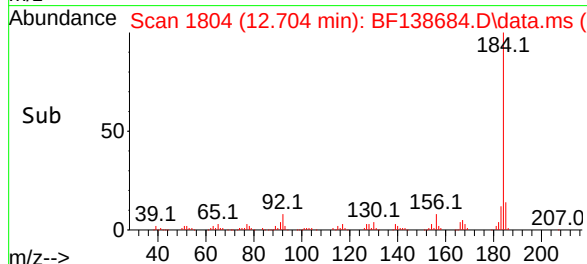
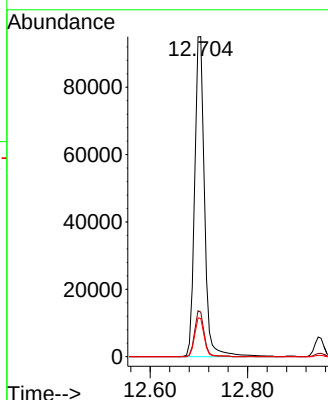
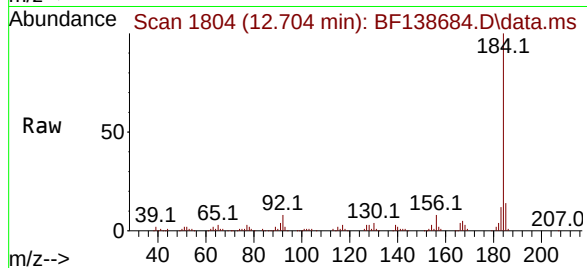
Tgt Ion:184 Resp: 134710

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

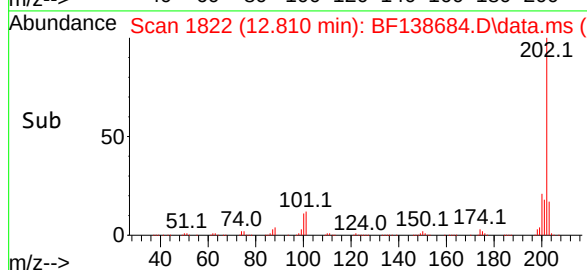
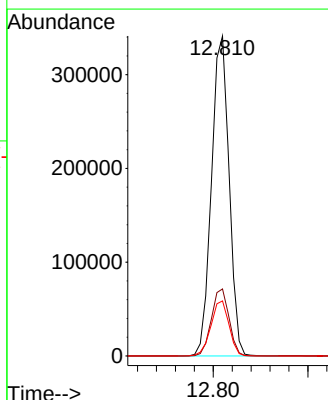
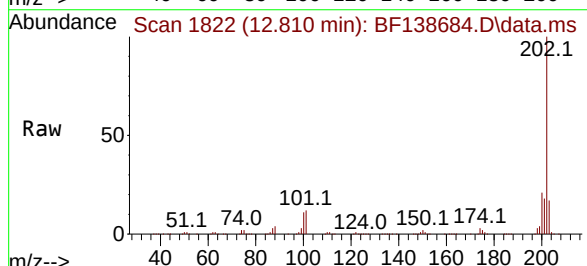
Tgt Ion:202 Resp: 440674

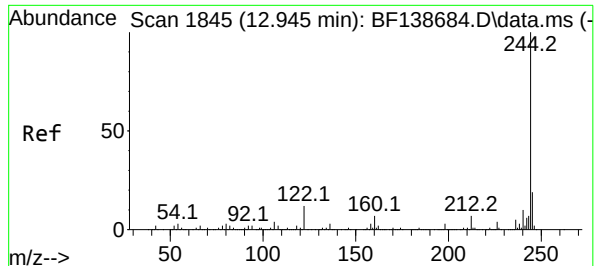
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.2 13.8 20.6

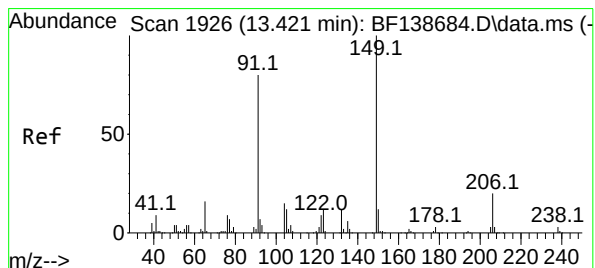
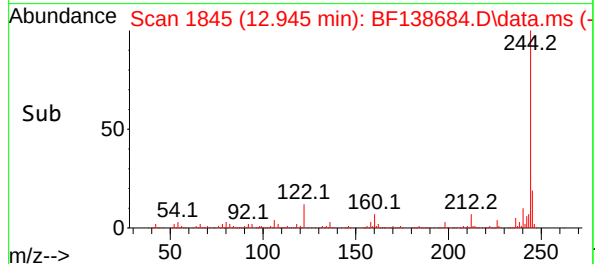
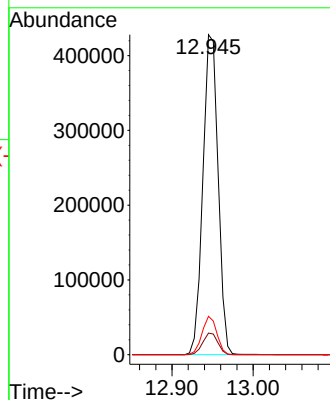
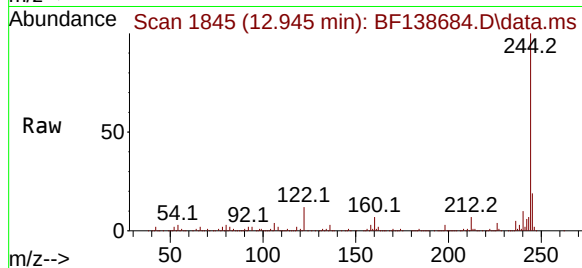




#79
Terphenyl-d14
Concen: 74.045 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

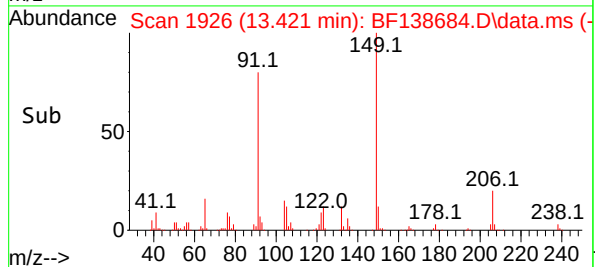
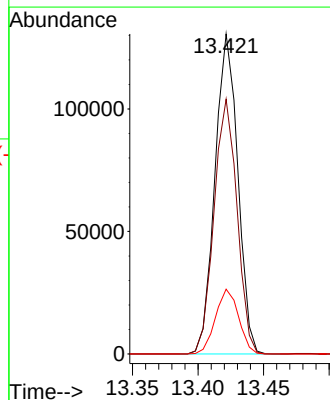
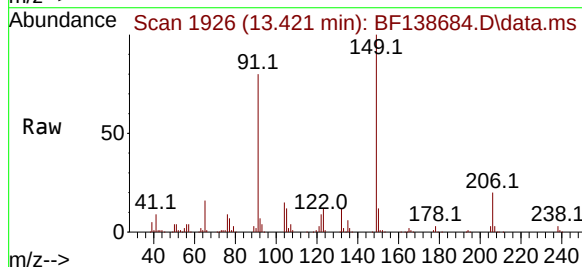
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

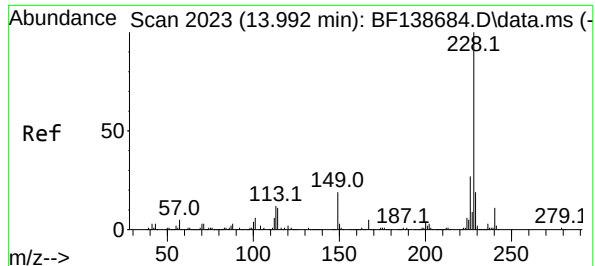
Tgt Ion:244 Resp: 556920
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 12.0 9.6 14.4



#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# 20

Delta R.T. 0.000 min

Lab File: BF138684.D

Acq: 30 Jul 2024 14:56

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

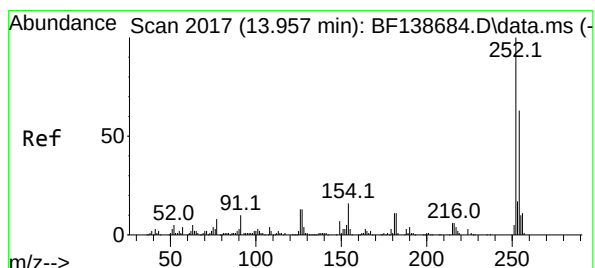
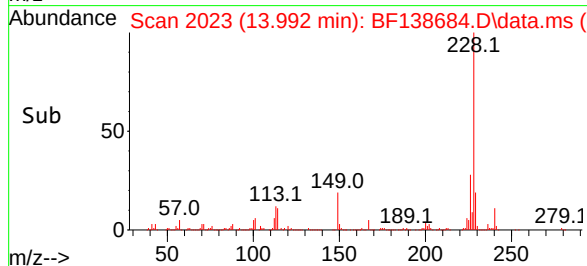
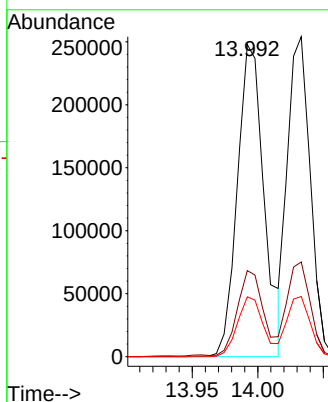
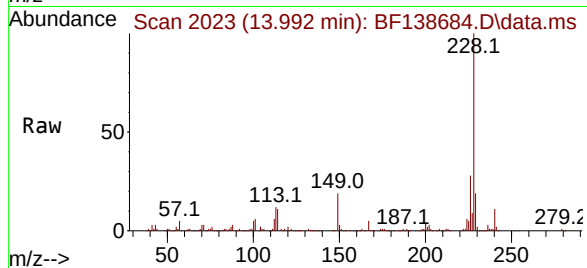
Tgt Ion:228 Resp: 351448

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

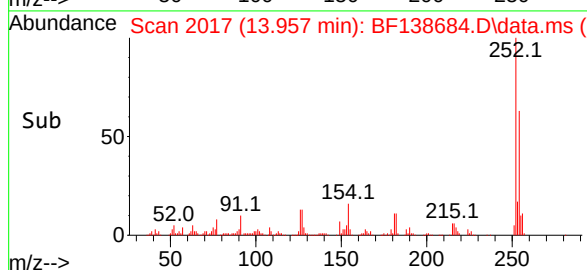
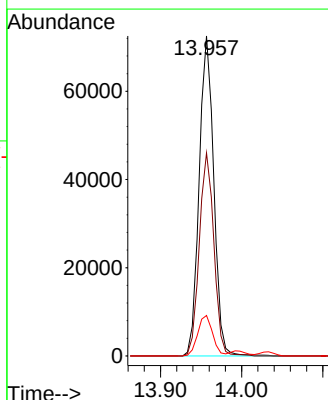
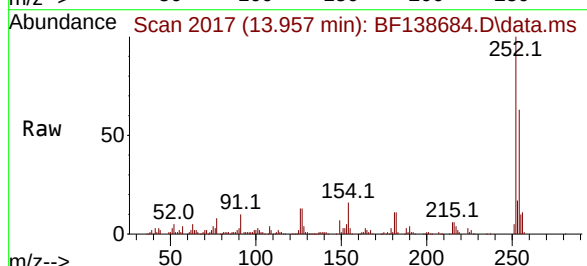
Tgt Ion:252 Resp: 90595

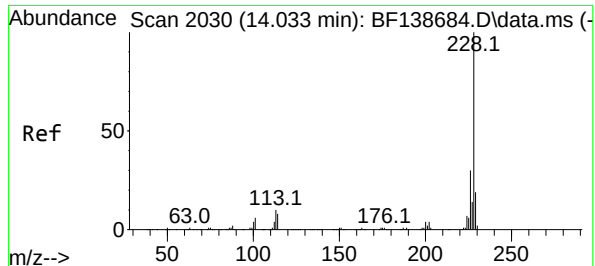
Ion Ratio Lower Upper

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

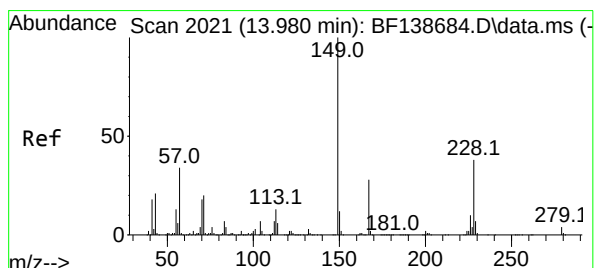
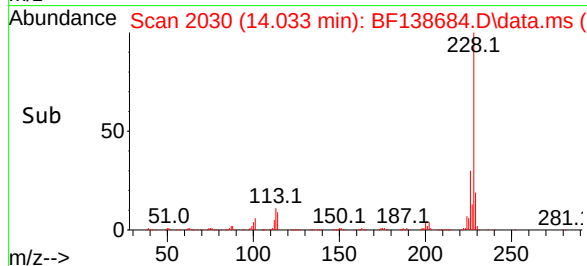
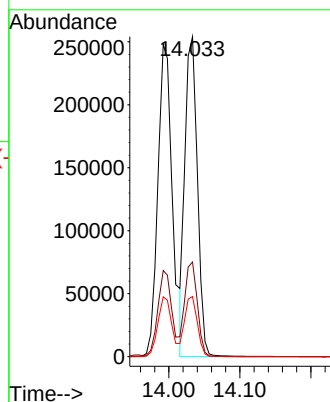
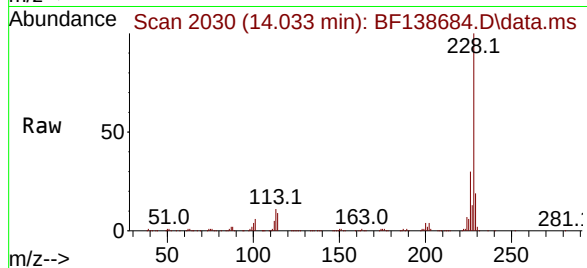
Tgt Ion:228 Resp: 307799

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

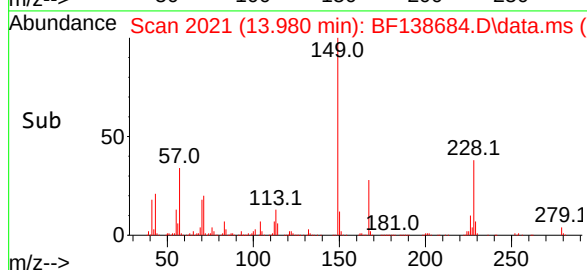
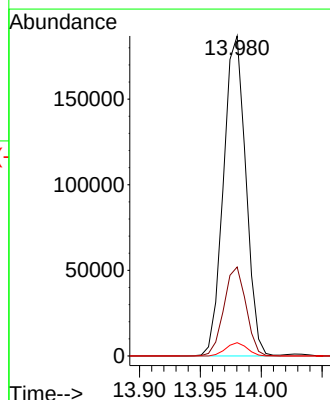
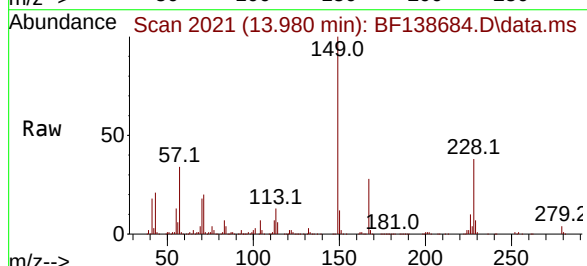
Tgt Ion:149 Resp: 238798

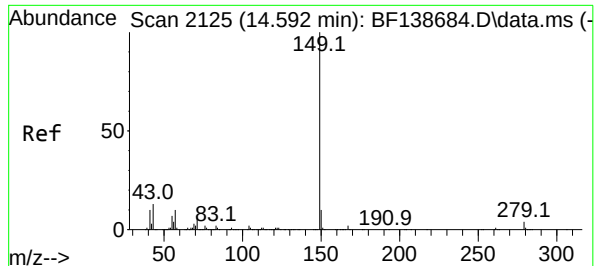
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

279 4.2 3.4 5.0

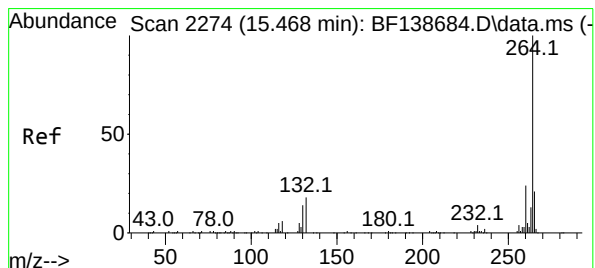
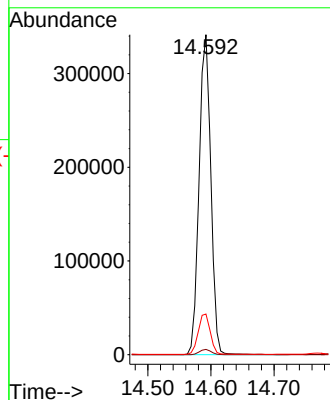
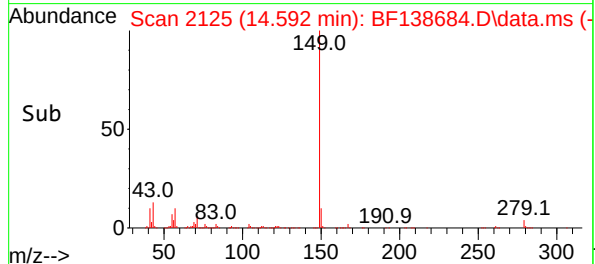
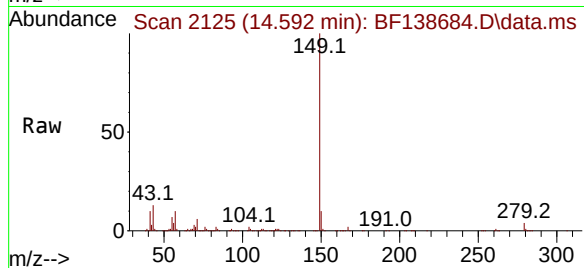




#85
Di-n-octyl phthalate
Concen: 42.690 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

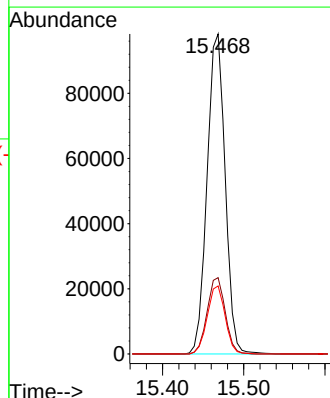
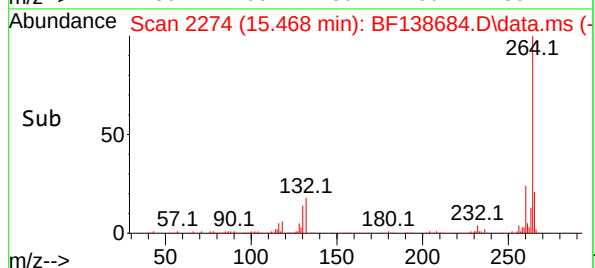
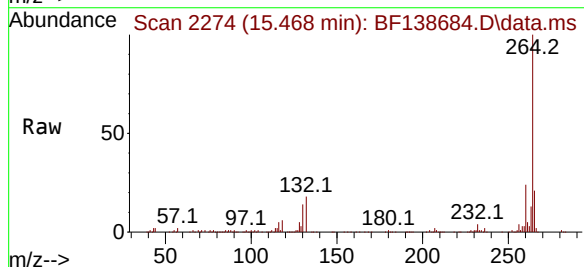
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

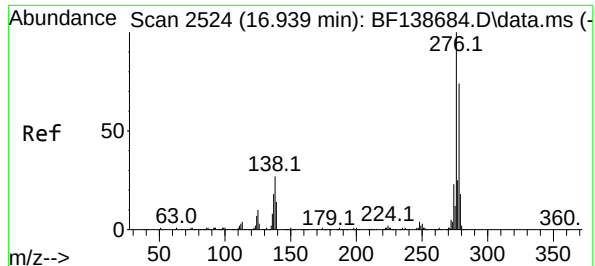
Tgt Ion:149 Resp: 439133
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 13.0 10.4 15.6



#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

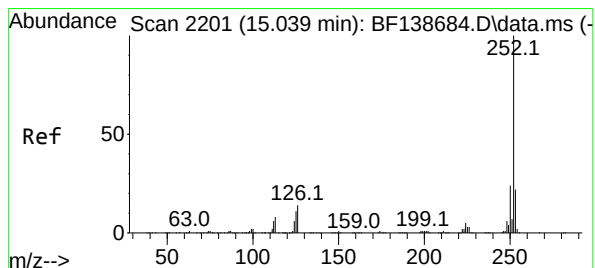
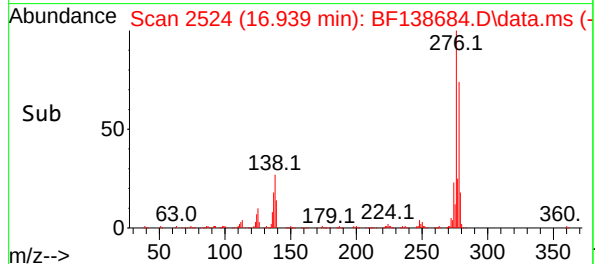
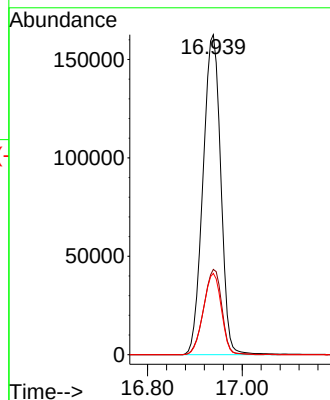
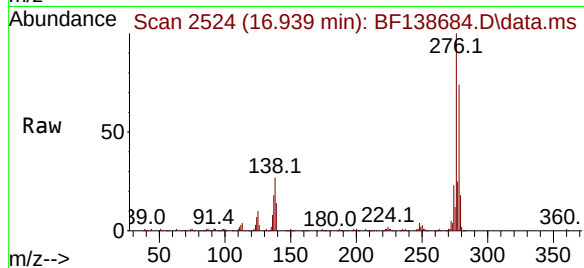




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.929 ng
RT: 16.939 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

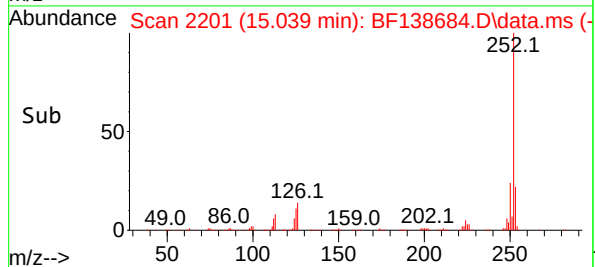
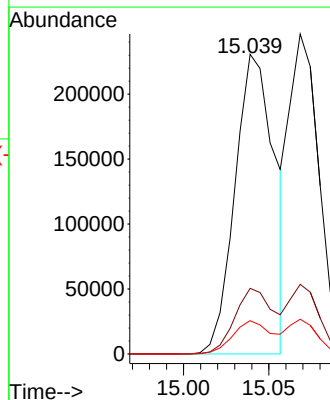
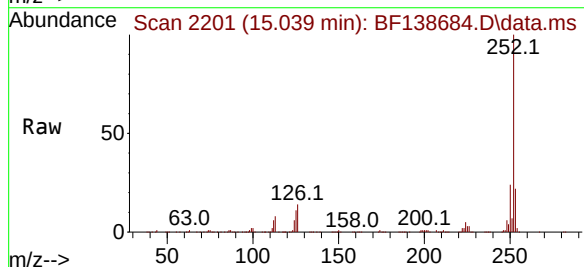
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

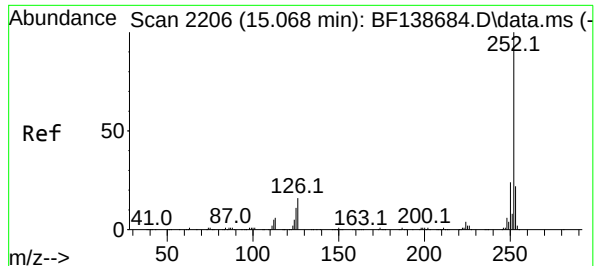
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.8
277	25.7	20.6	30.8



#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	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

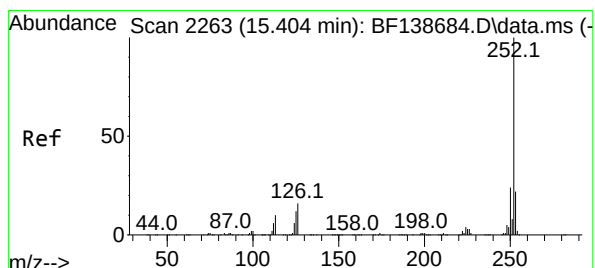
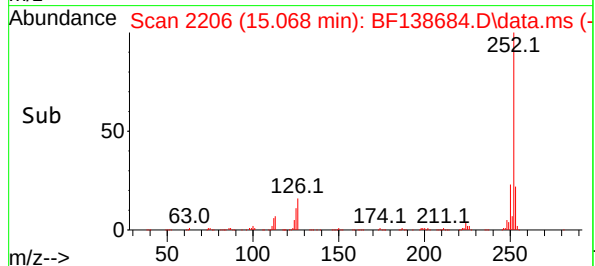
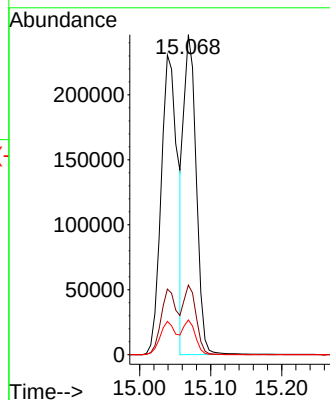
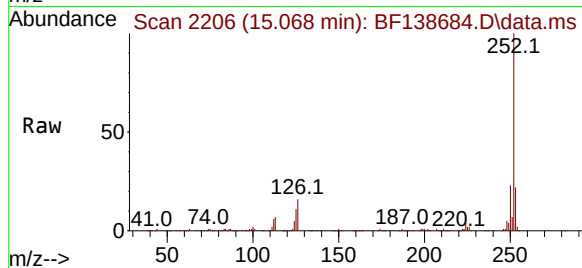
Tgt Ion:252 Resp: 303576

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

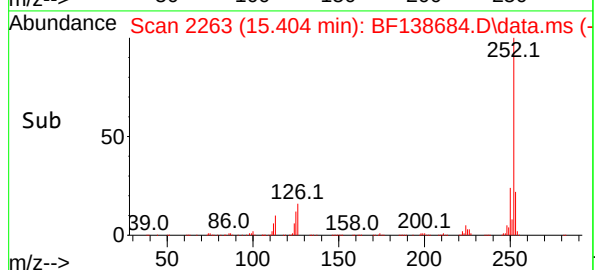
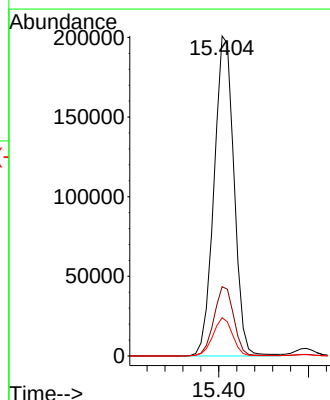
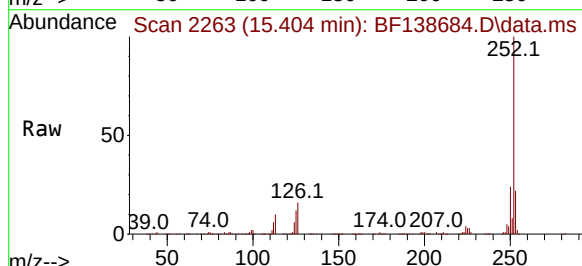
Tgt Ion:252 Resp: 309949

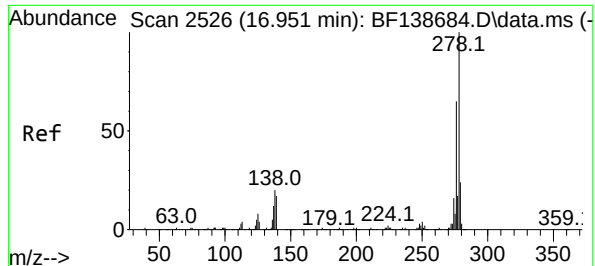
Ion Ratio Lower Upper

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

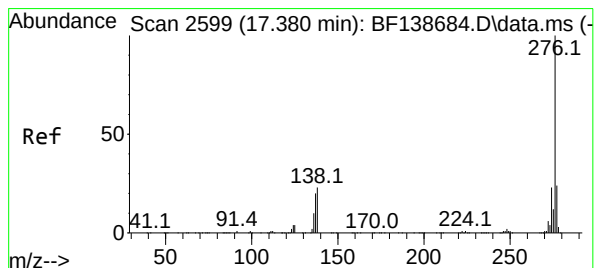
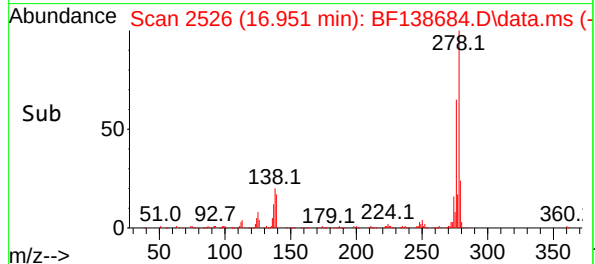
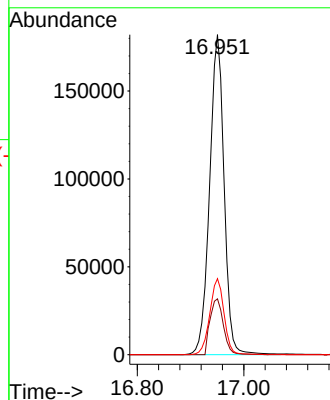
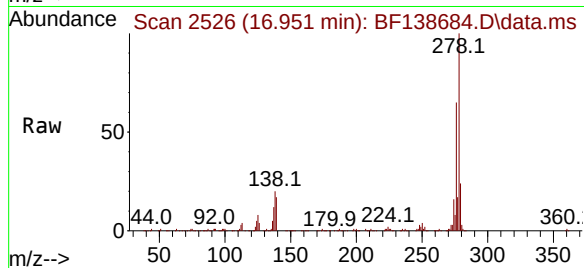
Tgt Ion:278 Resp: 343548

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

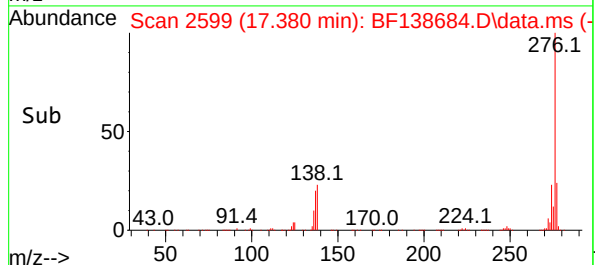
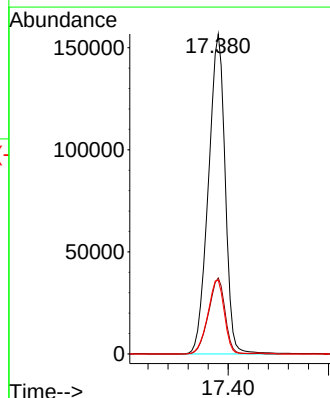
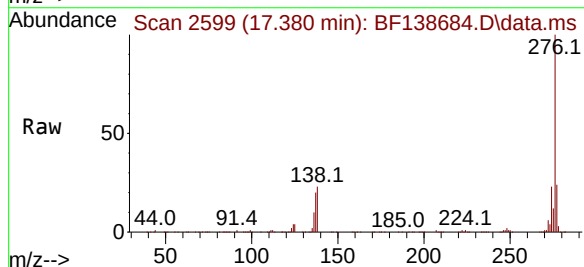
Tgt Ion:276 Resp: 363283

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

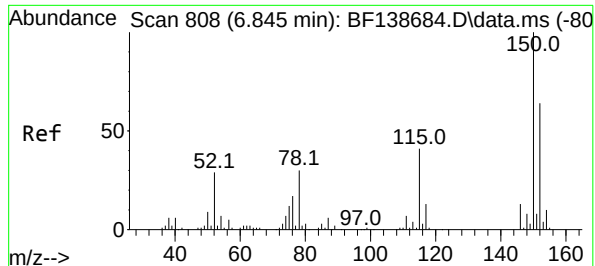
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	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

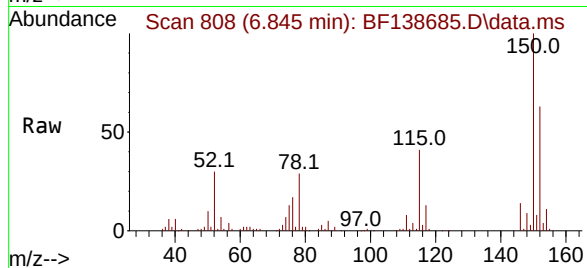
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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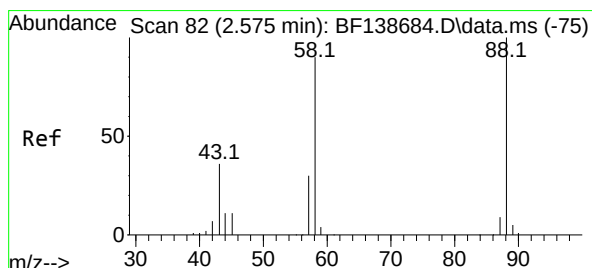
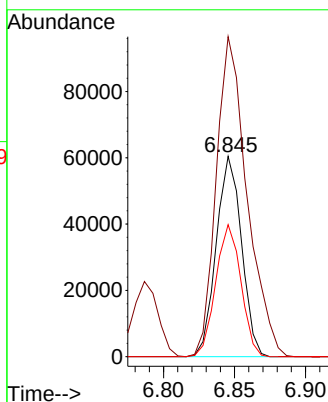
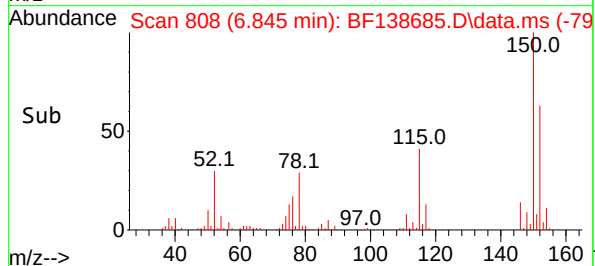


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

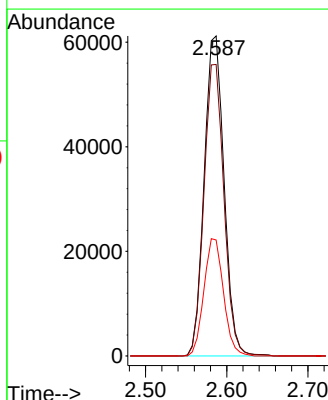
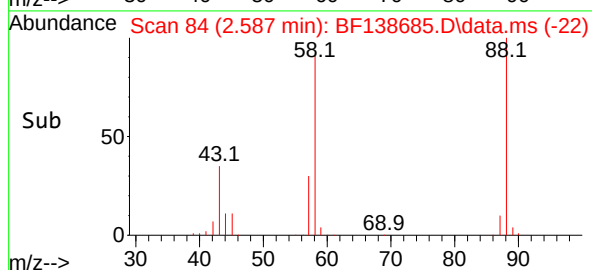
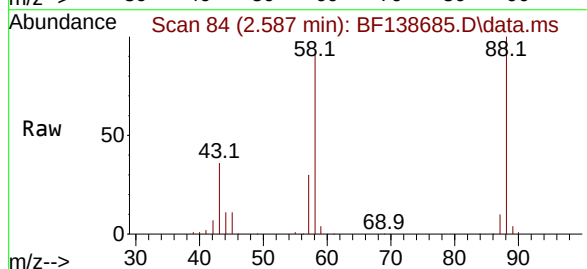


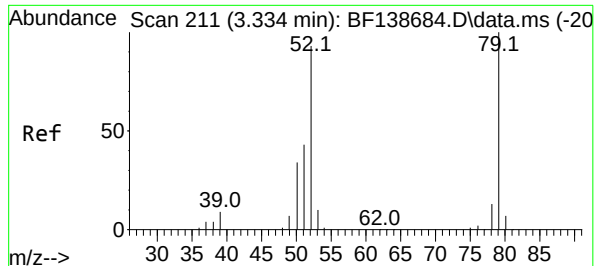
Tgt Ion:152 Resp: 74850
Ion Ratio Lower Upper
152 100
150 159.8 126.0 189.0
115 65.9 51.7 77.5



#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

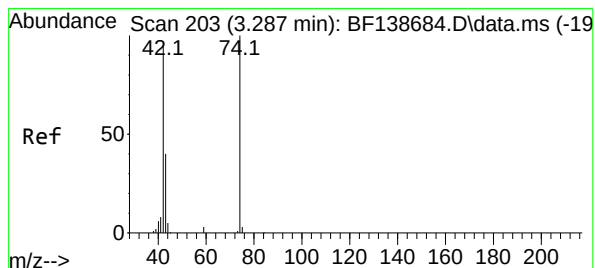
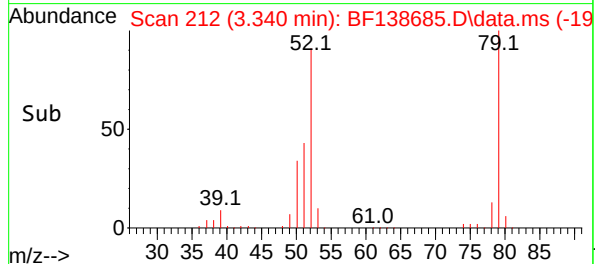
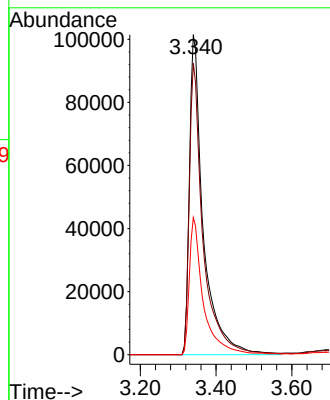
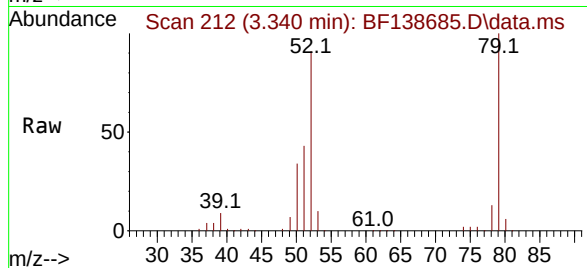




#3
Pyridine
Concen: 50.224 ng
RT: 3.340 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

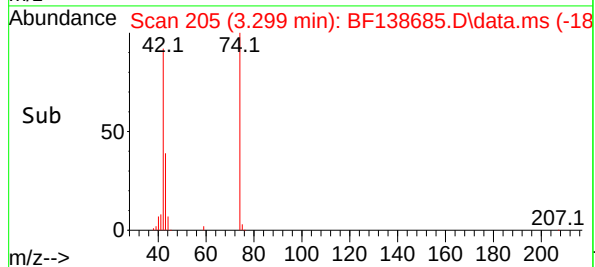
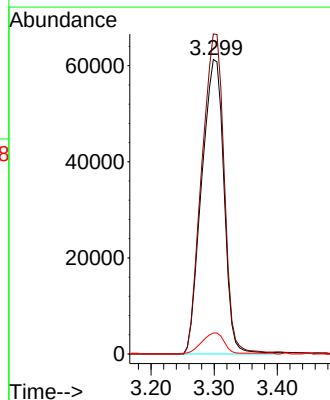
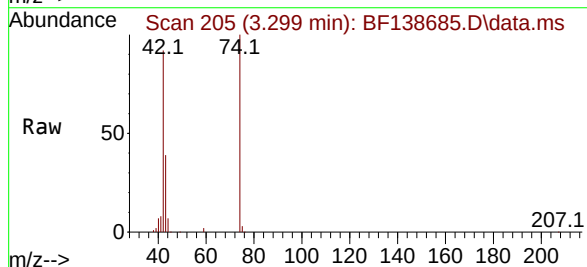
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

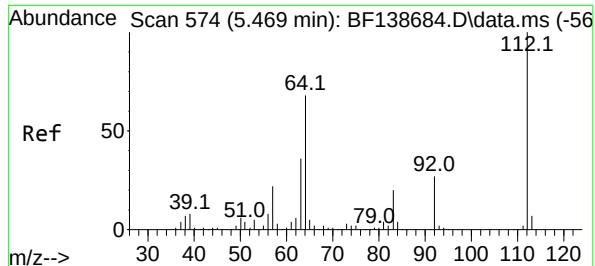
Tgt Ion: 79 Resp: 258280
Ion Ratio Lower Upper
79 100
52 91.0 74.7 112.1
51 42.9 34.6 51.8



#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

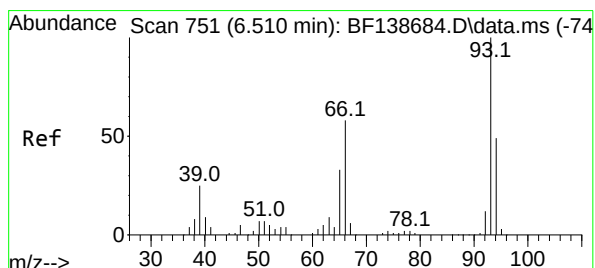
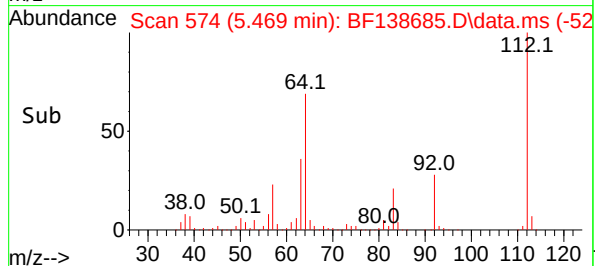
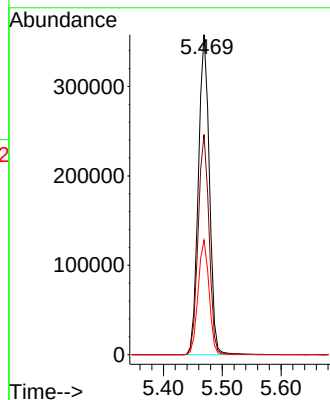
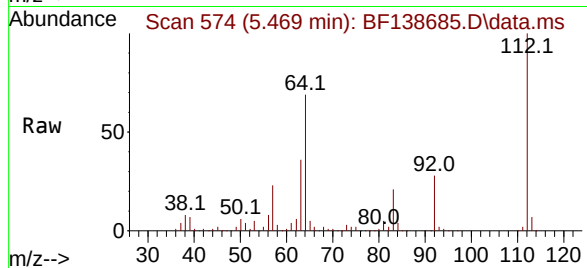
Tgt Ion:112 Resp: 465439

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

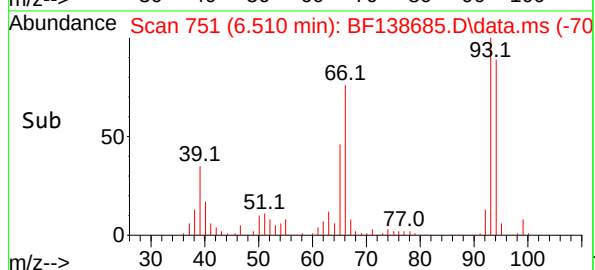
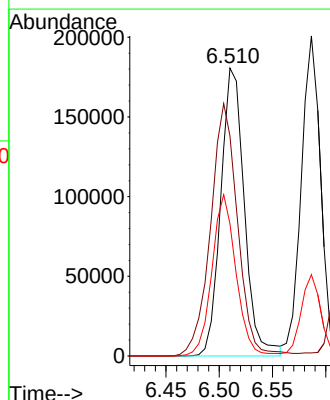
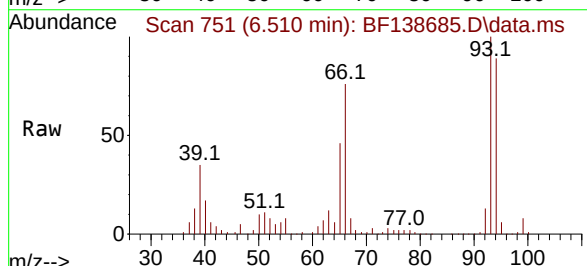
Tgt Ion: 93 Resp: 278162

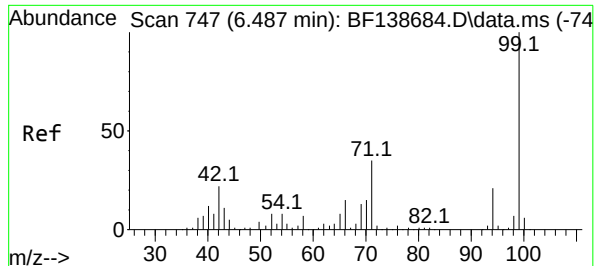
Ion Ratio Lower Upper

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 :

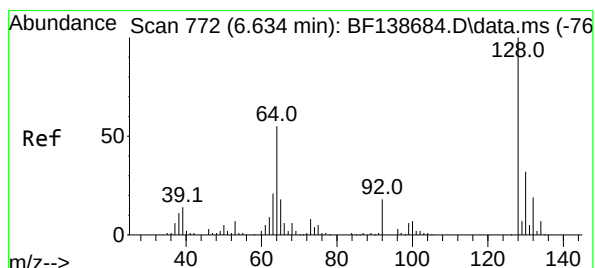
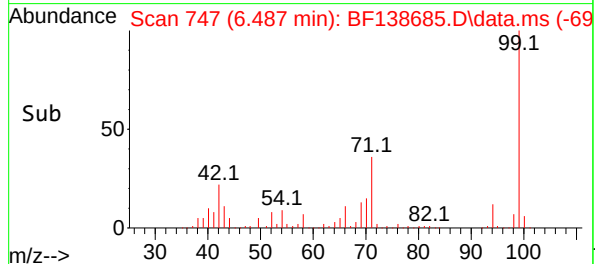
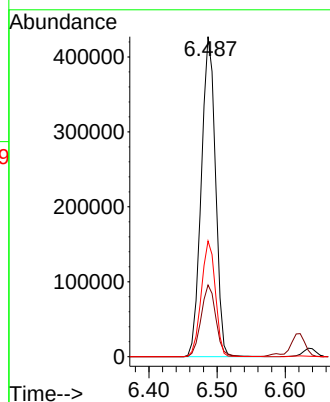
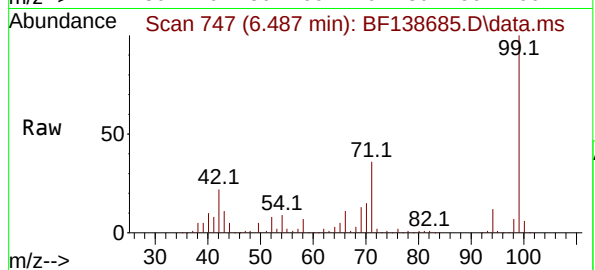
BNA_F

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

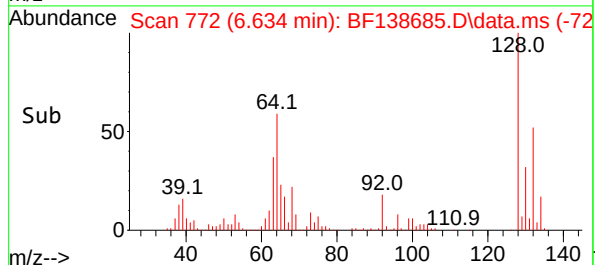
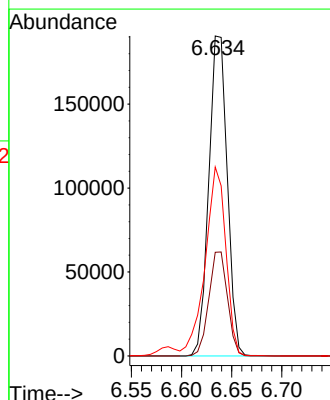
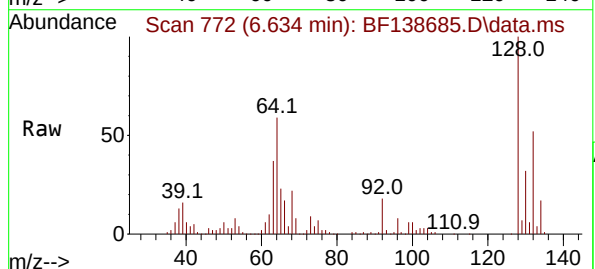
Delta R.T. 0.000 min

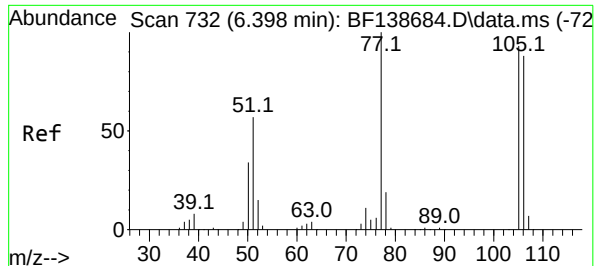
Lab File: BF138685.D

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

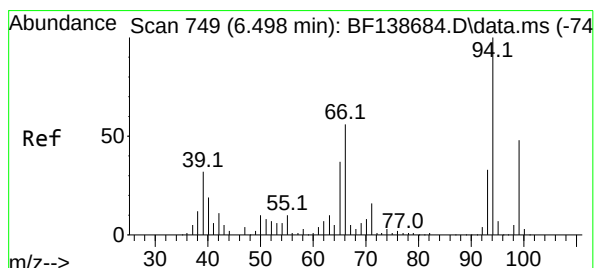
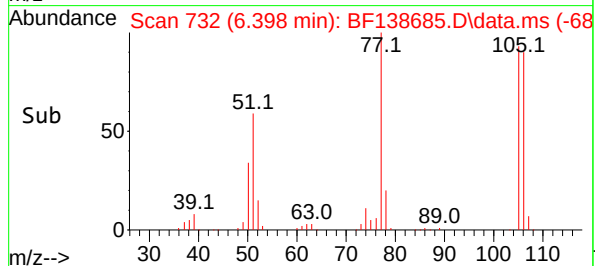
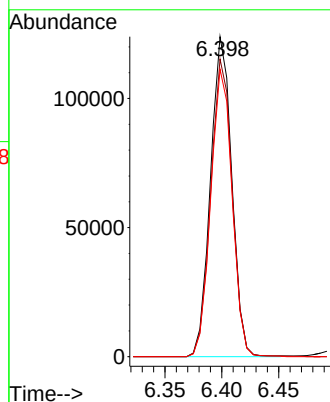
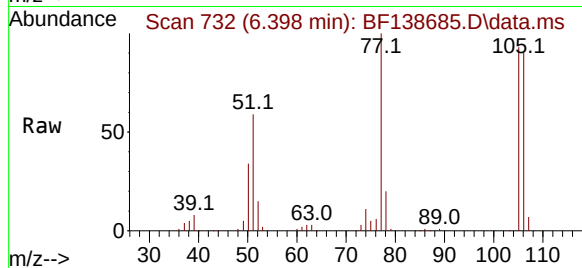
Tgt Ion: 77 Resp: 161301

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

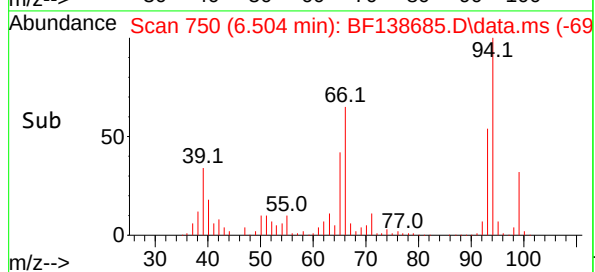
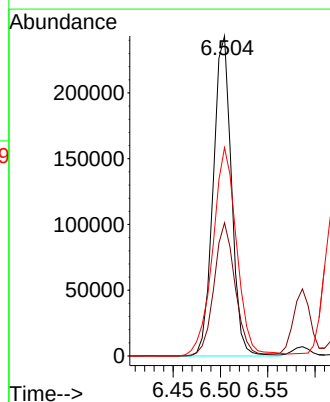
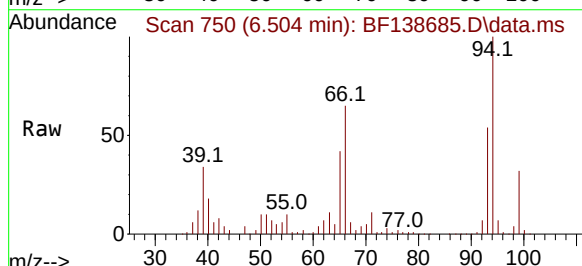
Tgt Ion: 94 Resp: 325498

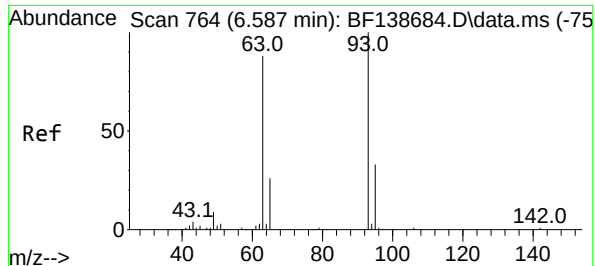
Ion Ratio Lower Upper

94 100

65 41.6 16.9 56.9

66 65.1 36.5 76.5

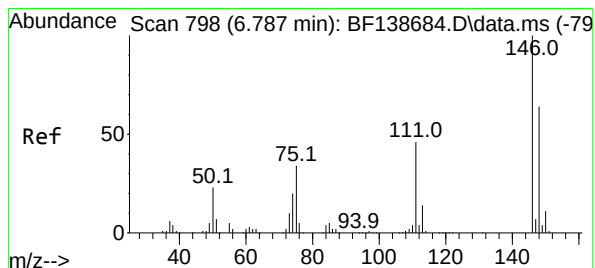
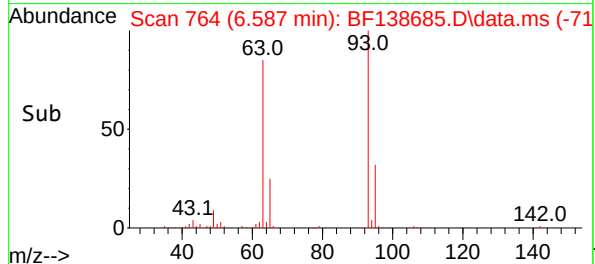
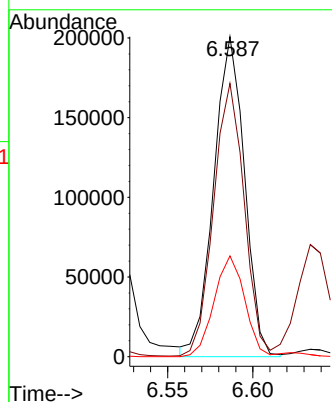
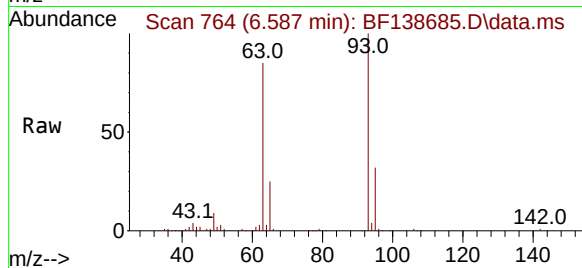




#11
bis(2-Chloroethyl)ether
Concen: 47.838 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

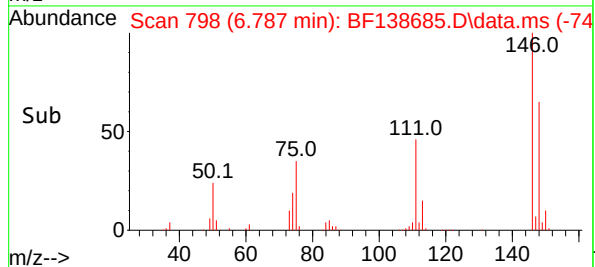
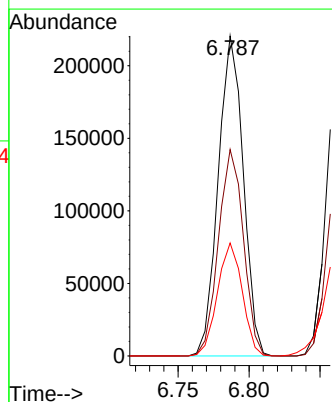
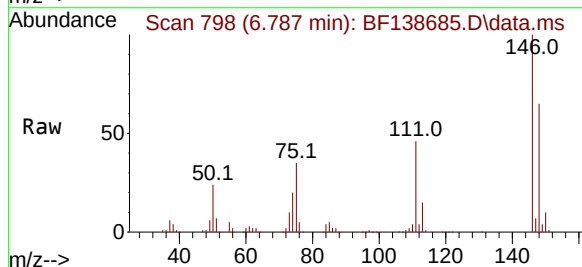
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

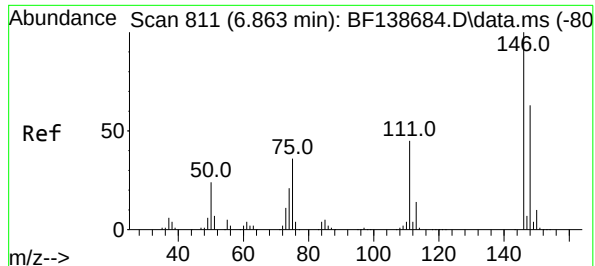
Tgt Ion: 93 Resp: 252329
Ion Ratio Lower Upper
93 100
63 85.4 65.3 105.3
95 31.5 12.4 52.4



#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

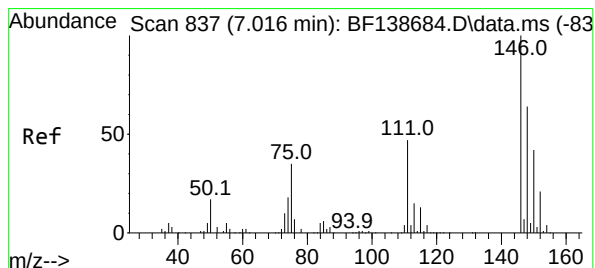
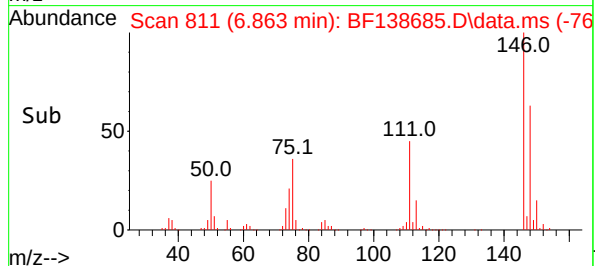
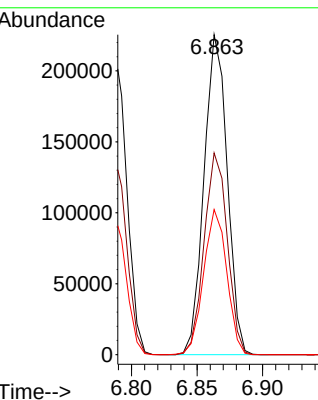
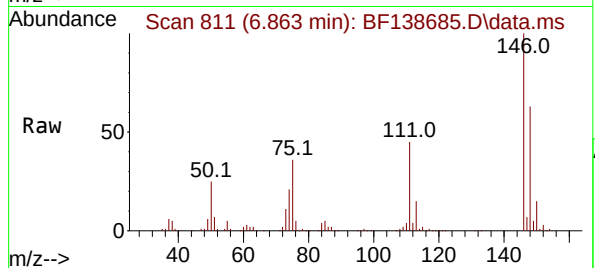
Tgt Ion:146 Resp: 277374

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

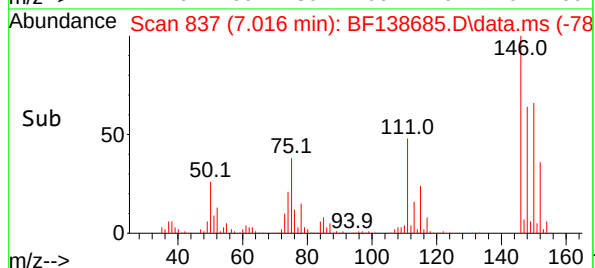
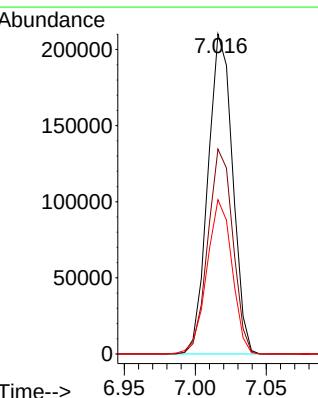
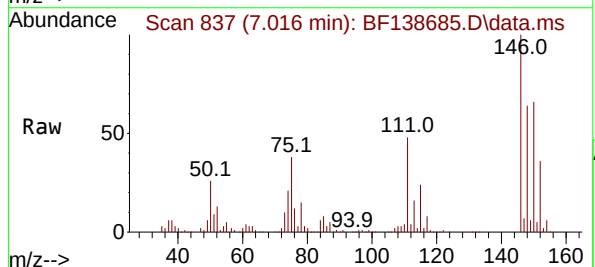
Tgt Ion:146 Resp: 254151

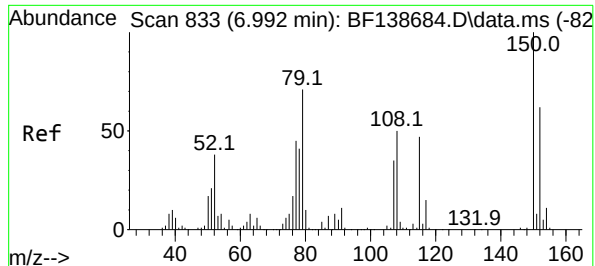
Ion Ratio Lower Upper

146 100

148 64.0 50.8 76.2

111 48.2 37.4 56.2

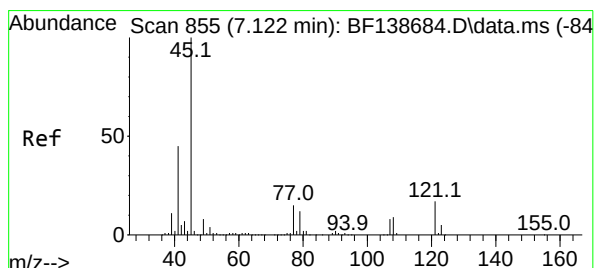
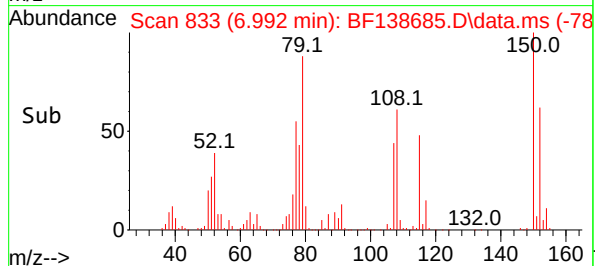
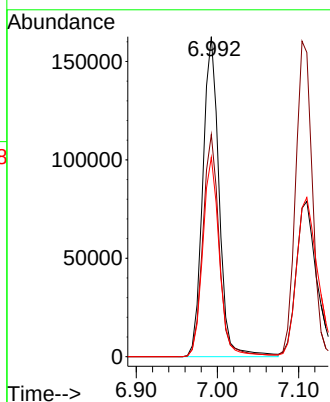
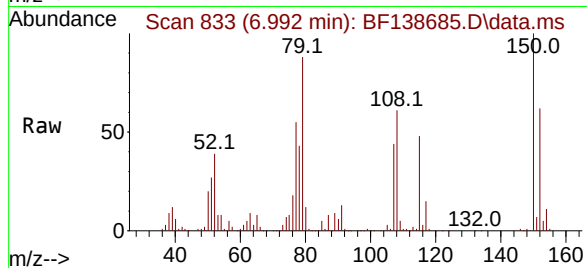




#15
Benzyl Alcohol
Concen: 48.392 ng
RT: 6.992 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

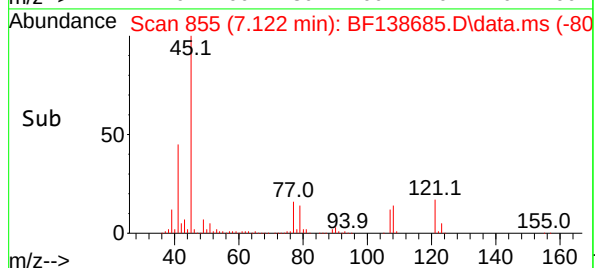
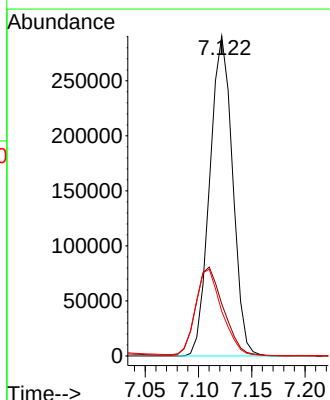
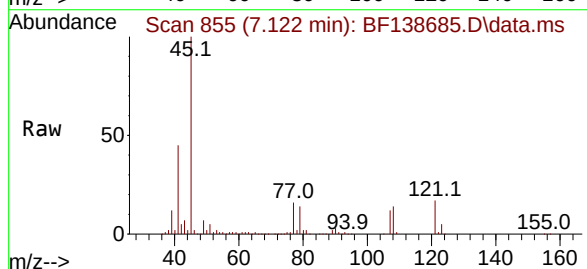
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

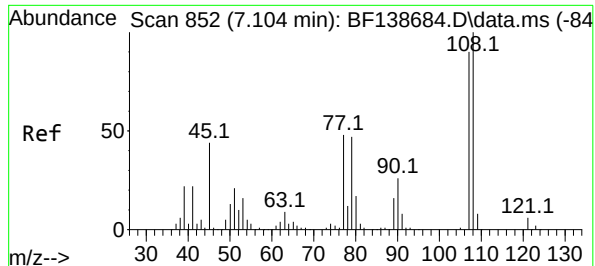
Tgt Ion: 79 Resp: 227061
Ion Ratio Lower Upper
79 100
108 69.4 56.6 85.0
77 62.3 50.3 75.5



#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

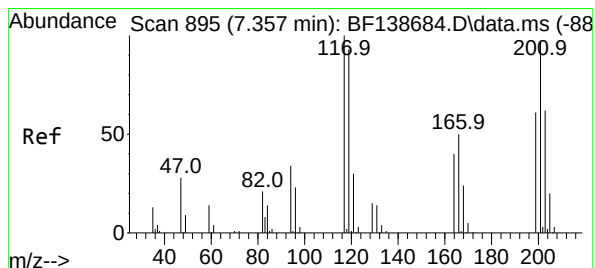
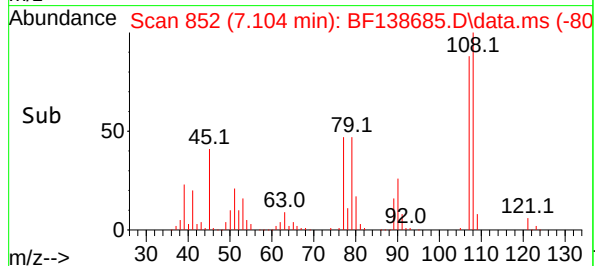
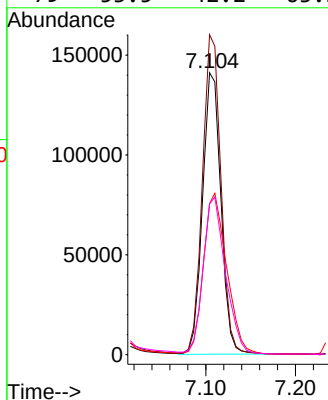
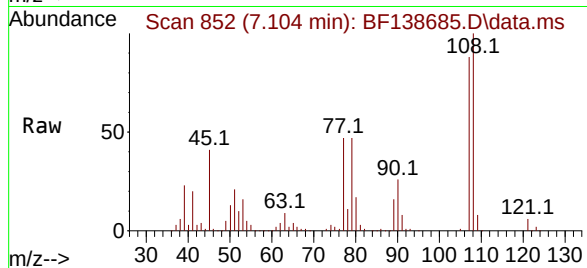




#17
2-Methylphenol
Concen: 47.638 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

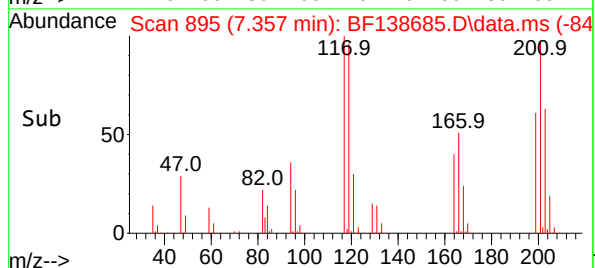
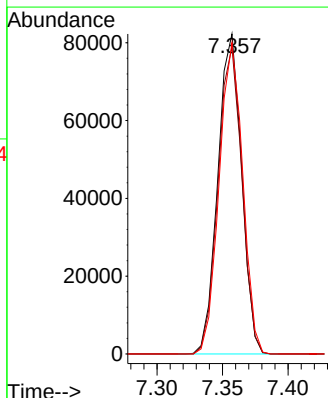
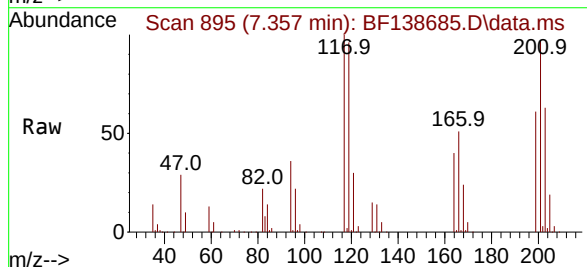
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

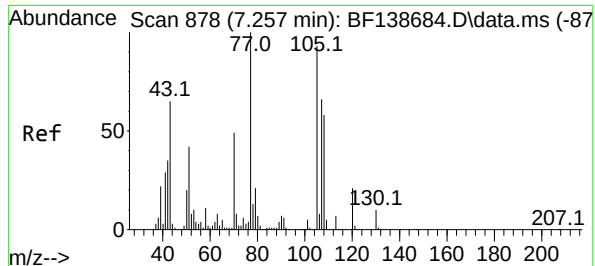
Tgt Ion:107 Resp: 200680
Ion Ratio Lower Upper
107 100
108 113.5 89.2 133.8
77 53.6 43.0 64.4
79 53.5 42.2 63.2



#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

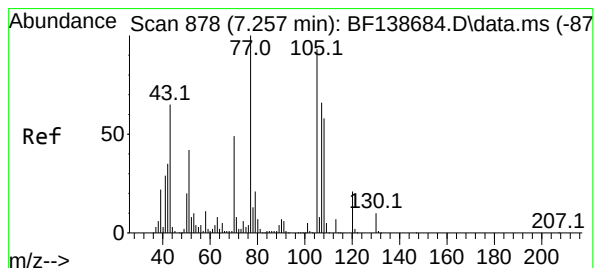
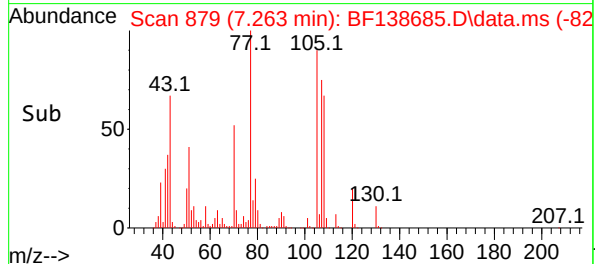
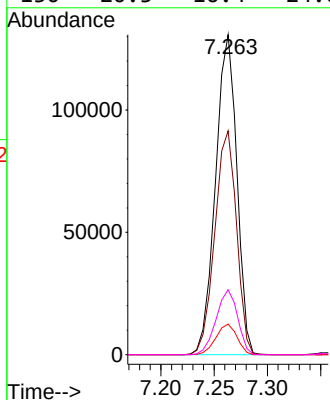
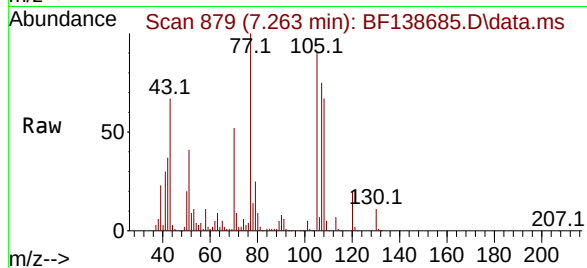




#19
n-Nitroso-di-n-propylamine
Concen: 46.154 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

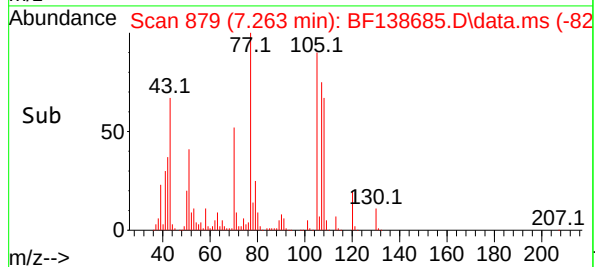
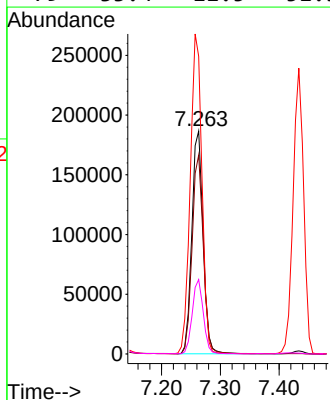
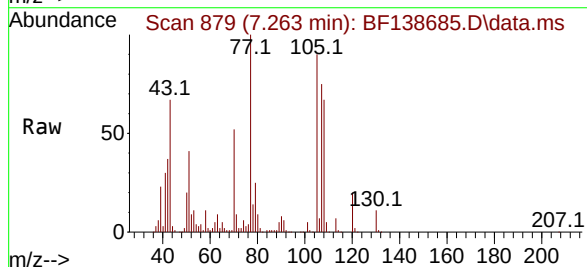
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

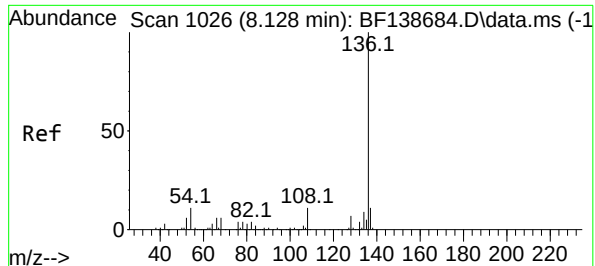
Tgt Ion: 70 Resp: 181478
Ion Ratio Lower Upper
70 100
42 69.9 57.4 86.0
101 9.6 7.5 11.3
130 20.3 16.4 24.6



#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

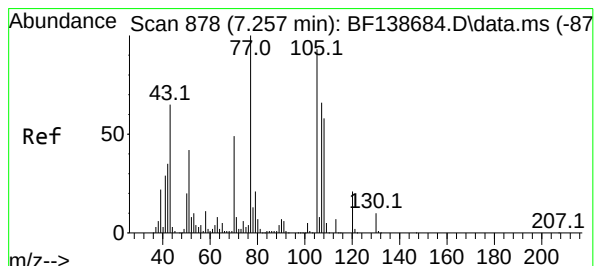
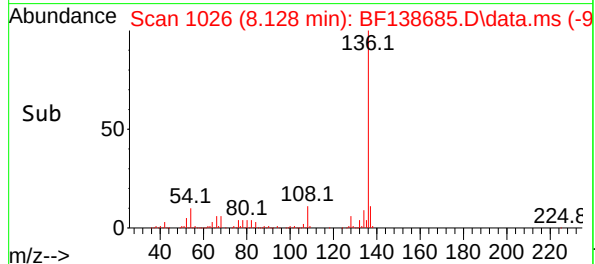
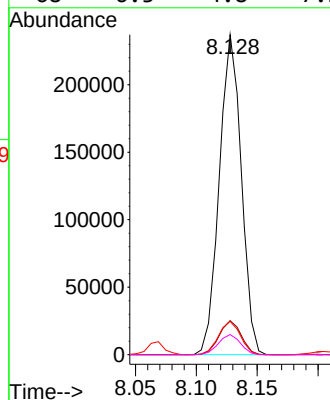
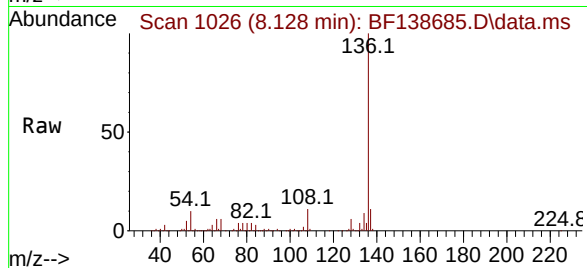
Ion Ratio Lower Upper

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

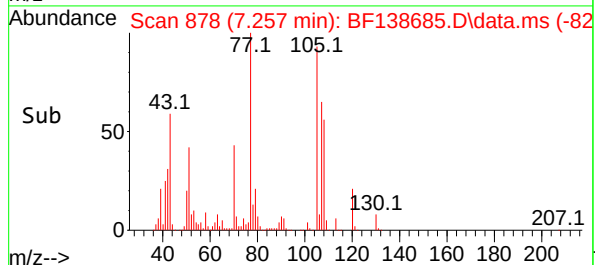
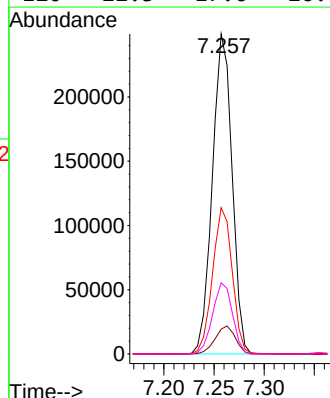
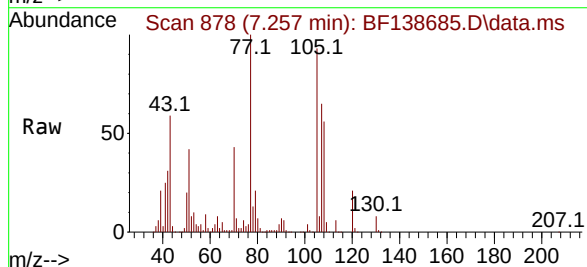
Ion Ratio Lower Upper

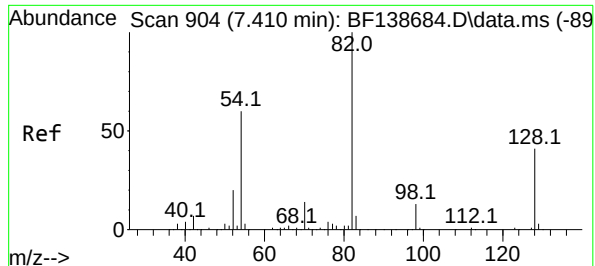
105 100

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

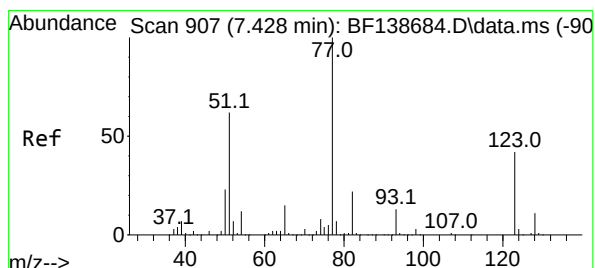
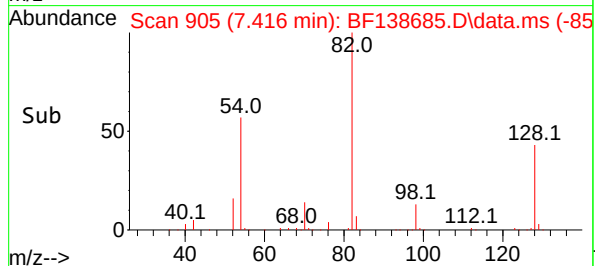
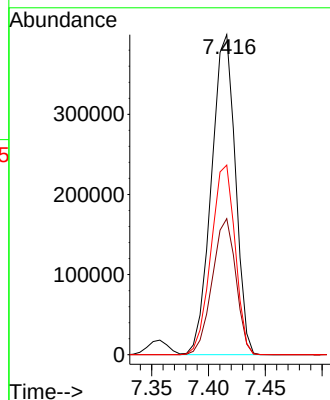
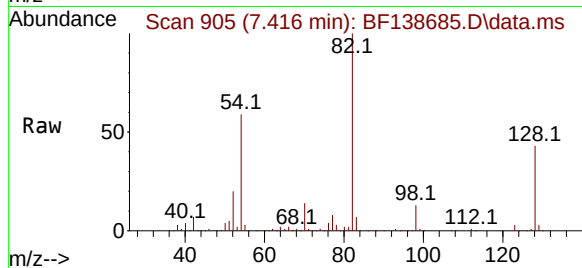
Tgt Ion: 82 Resp: 585266

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

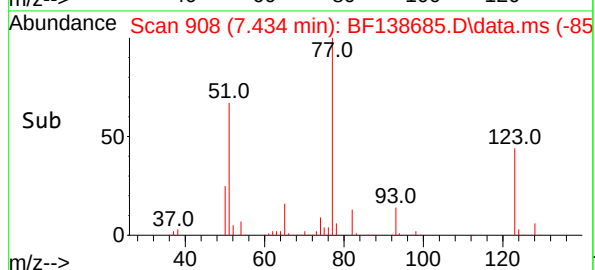
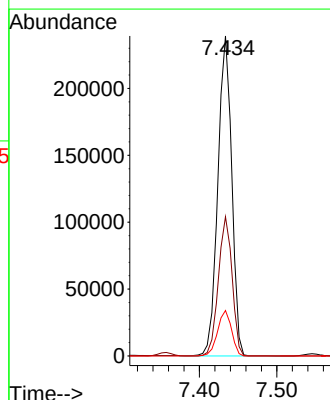
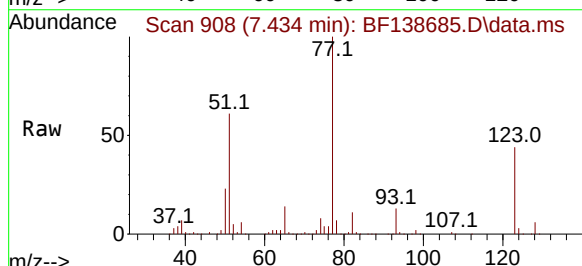
Tgt Ion: 77 Resp: 297595

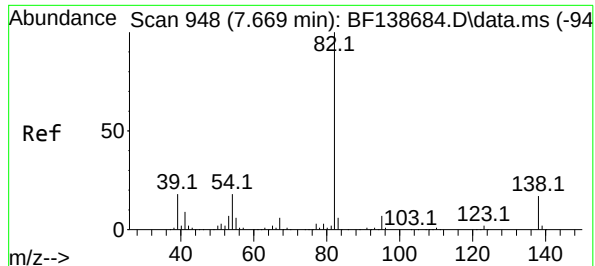
Ion Ratio Lower Upper

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

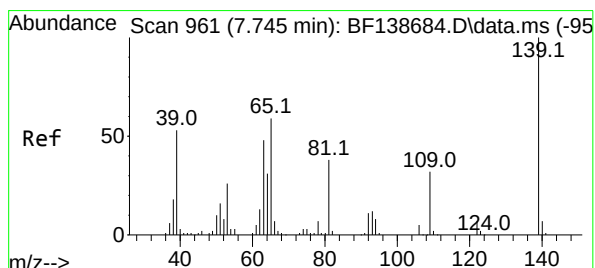
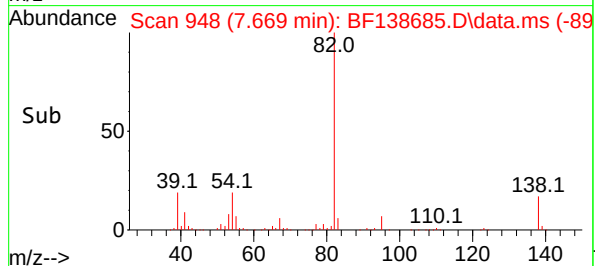
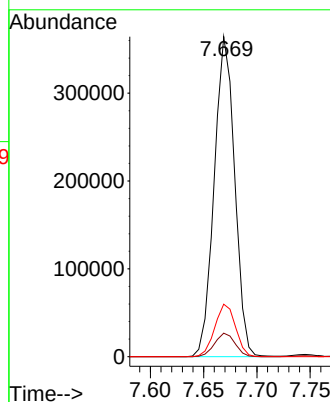
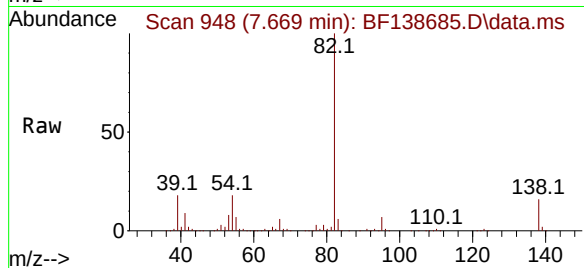
Tgt Ion: 82 Resp: 487636

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

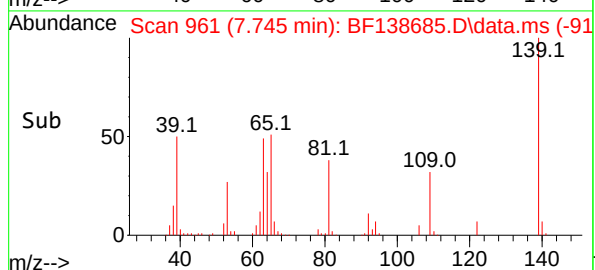
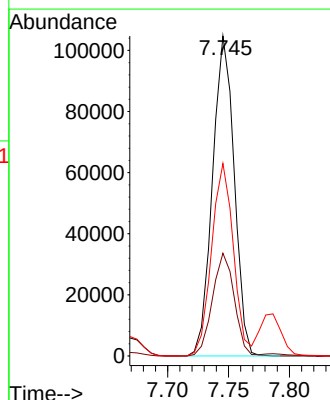
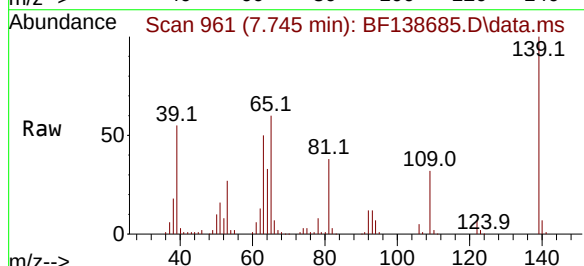
Tgt Ion: 139 Resp: 130074

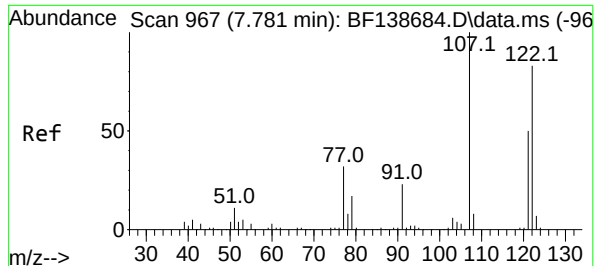
Ion Ratio Lower Upper

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

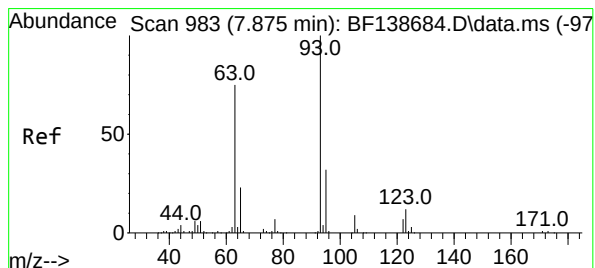
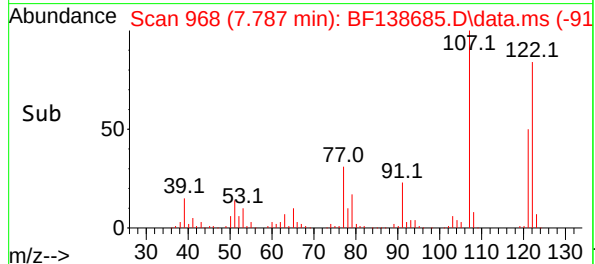
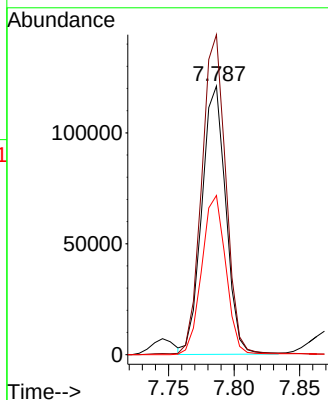
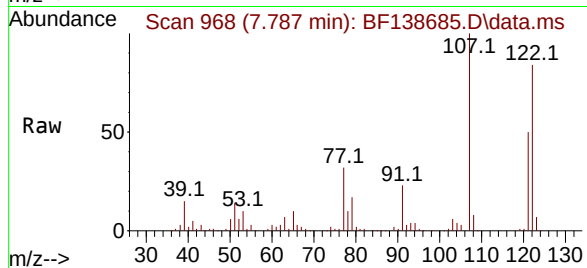
Tgt Ion:122 Resp: 154221

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

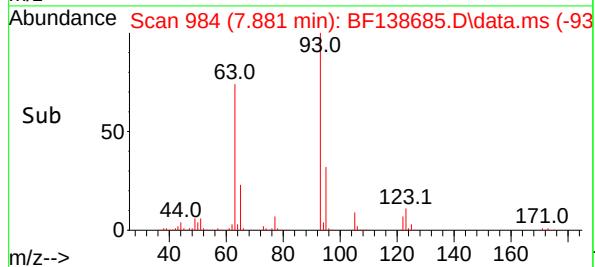
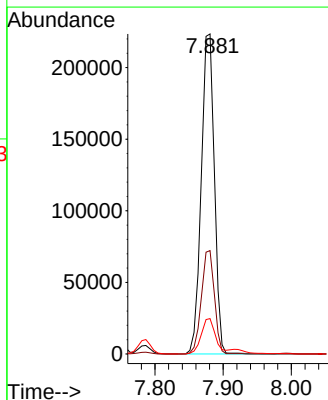
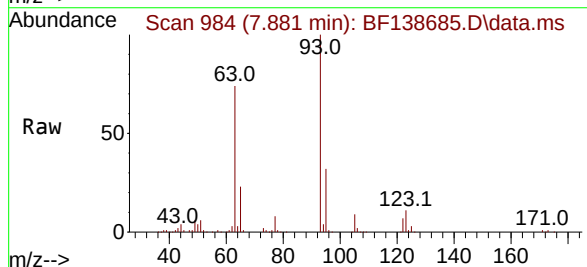
Tgt Ion: 93 Resp: 299695

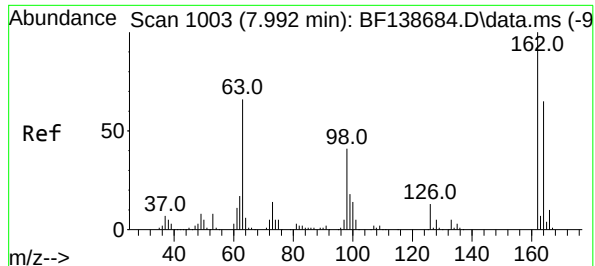
Ion Ratio Lower Upper

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 :

SSTDIC050

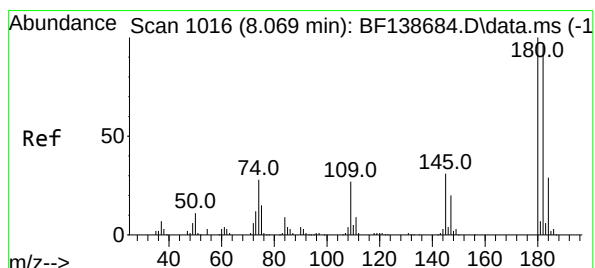
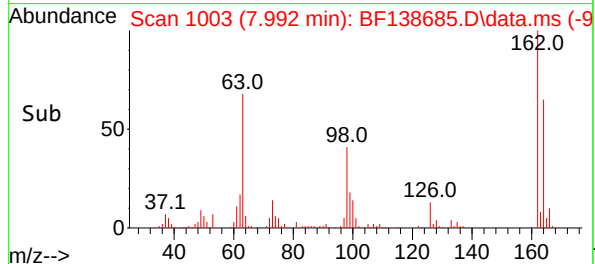
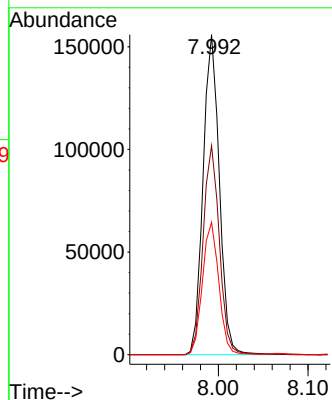
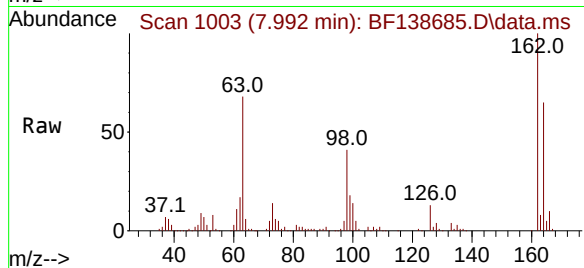
Tgt Ion:162 Resp: 196641

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

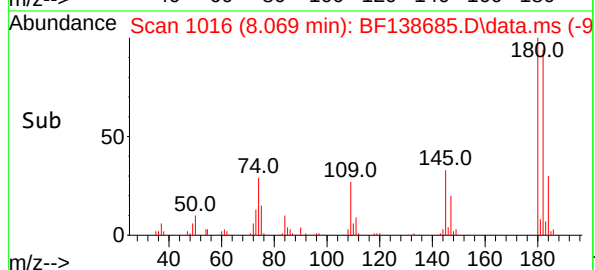
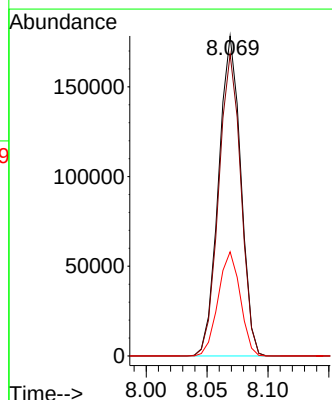
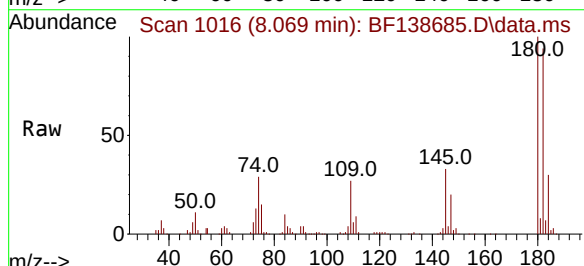
Tgt Ion:180 Resp: 226165

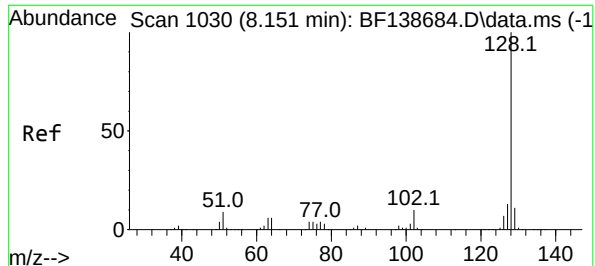
Ion Ratio Lower Upper

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

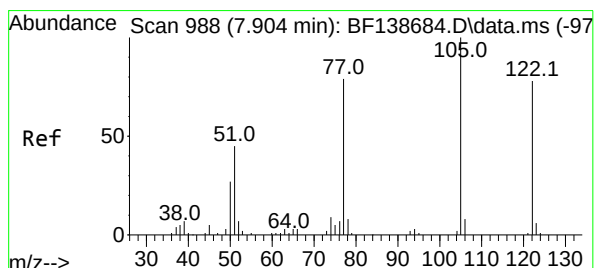
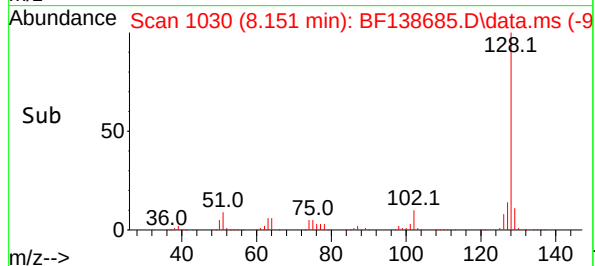
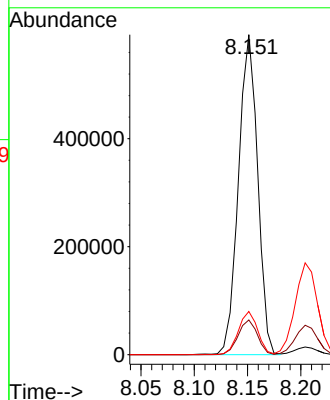
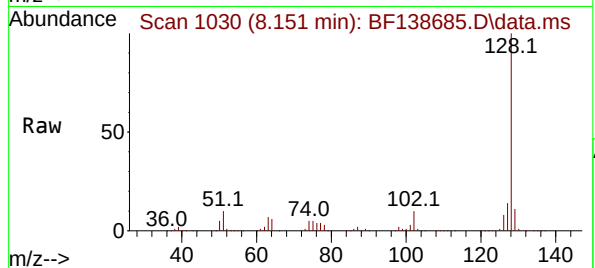
Tgt Ion:128 Resp: 744393

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

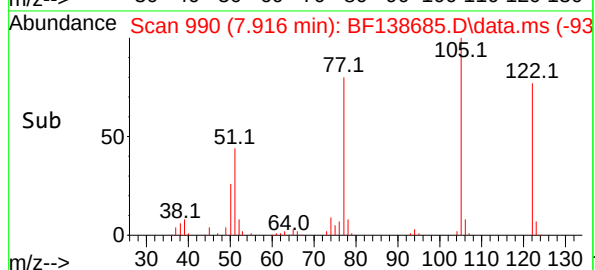
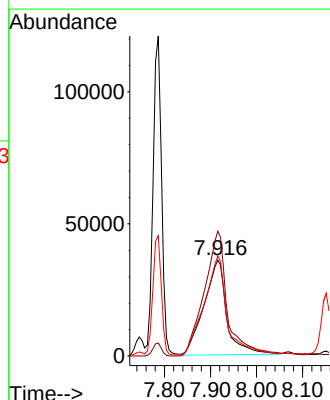
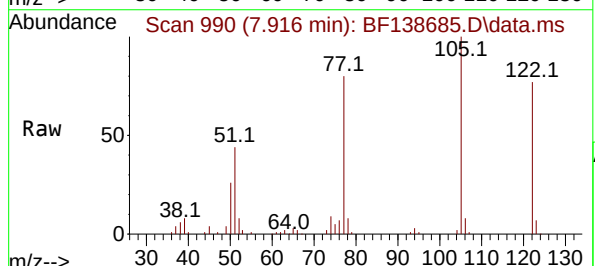
Tgt Ion:122 Resp: 123714

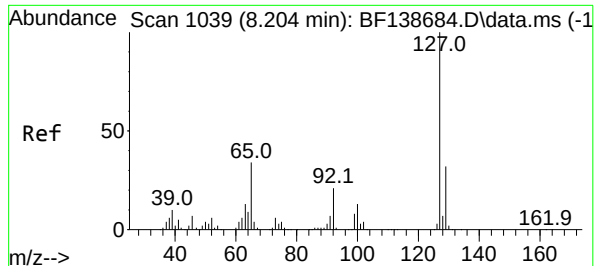
Ion Ratio Lower Upper

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

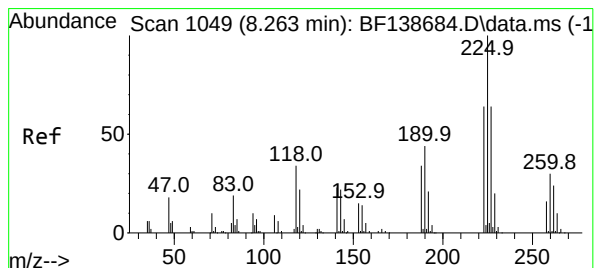
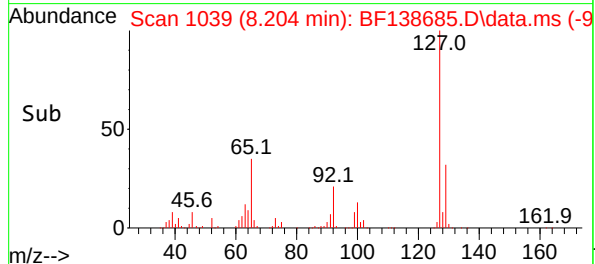
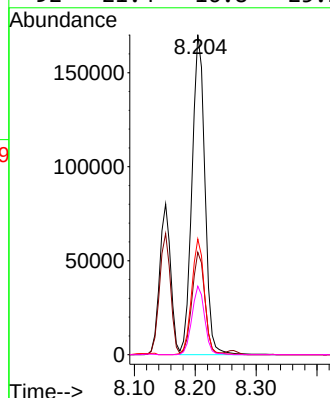
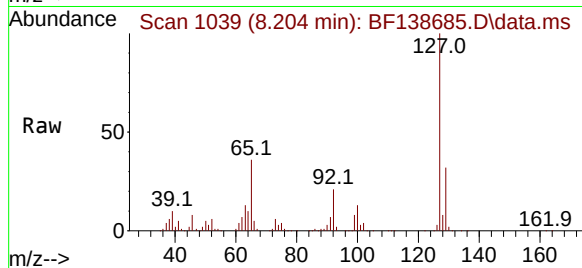
Ion Ratio Lower Upper

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

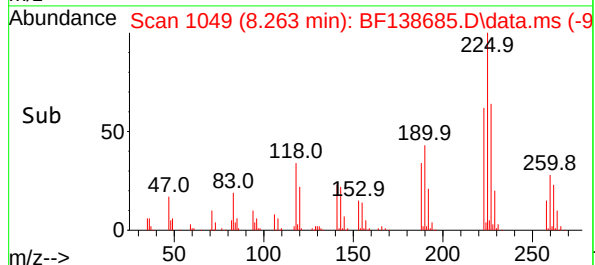
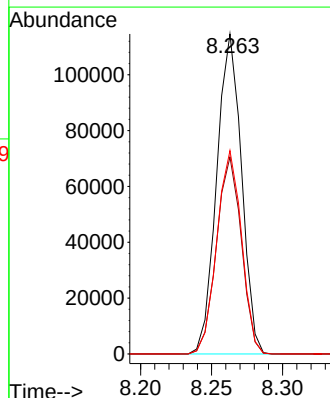
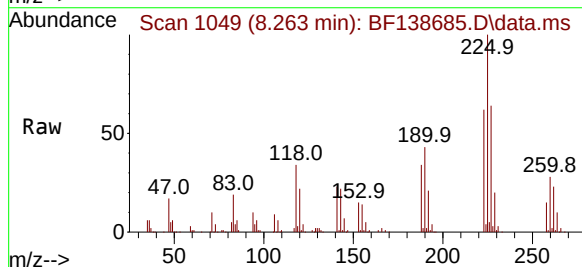
Tgt Ion:225 Resp: 138993

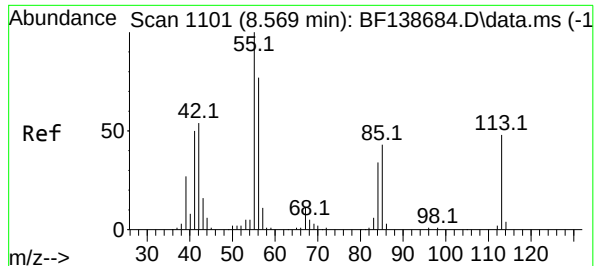
Ion Ratio Lower Upper

225 100

223 61.5 51.2 76.8

227 63.6 51.1 76.7

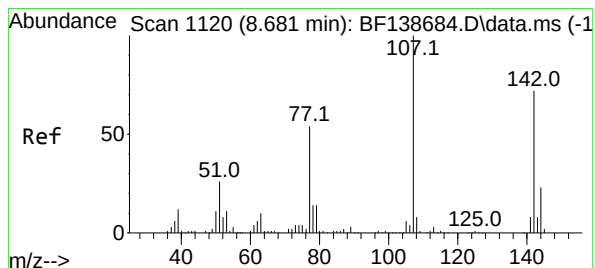
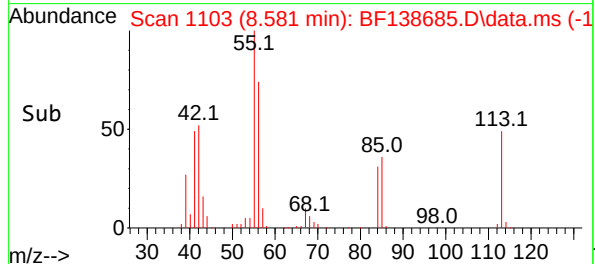
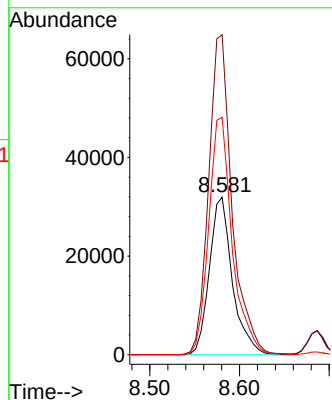
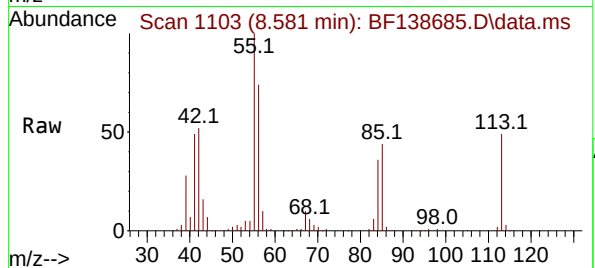




#35
Caprolactam
Concen: 46.347 ng
RT: 8.581 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

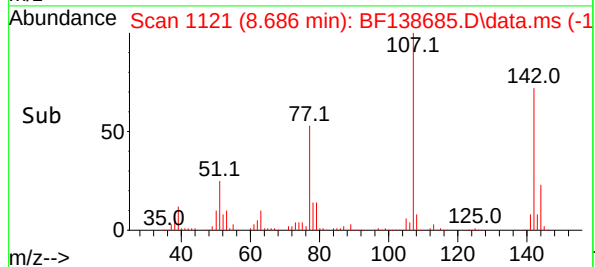
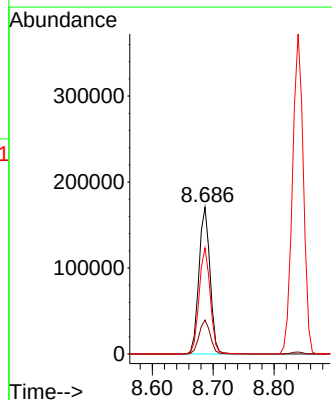
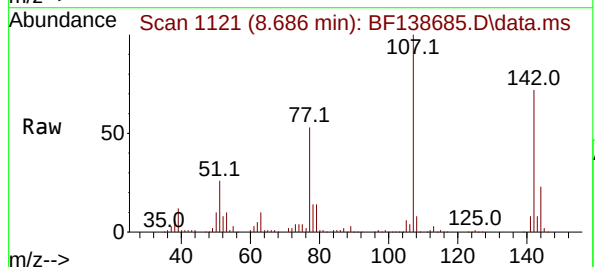
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

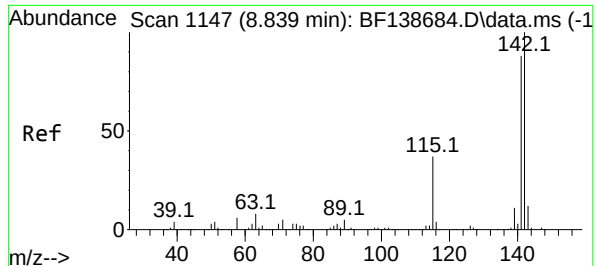
Tgt Ion:113 Resp: 56708
Ion Ratio Lower Upper
113 100
55 203.2 186.7 226.7
56 150.8 138.9 178.9



#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 :

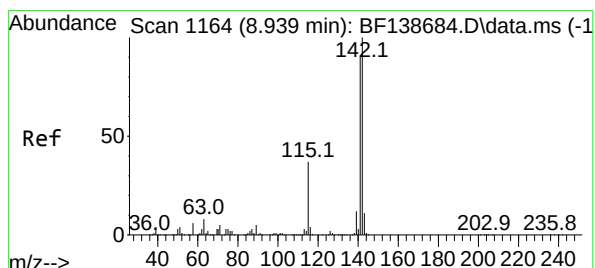
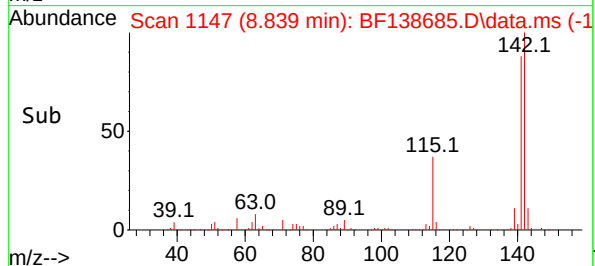
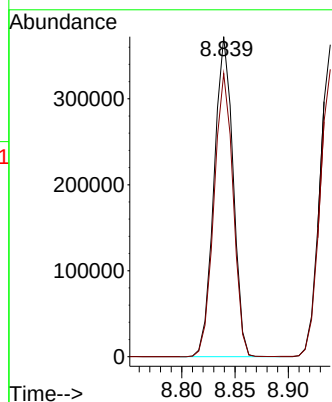
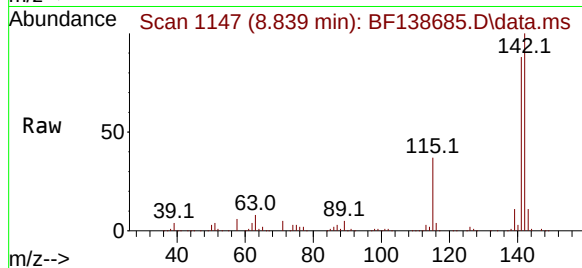
SSTDICC050

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

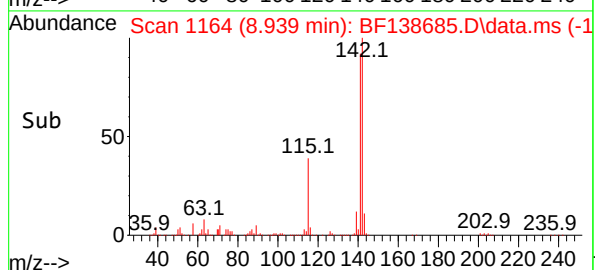
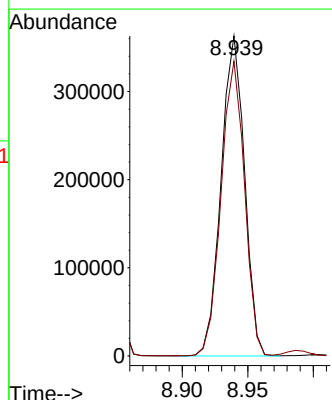
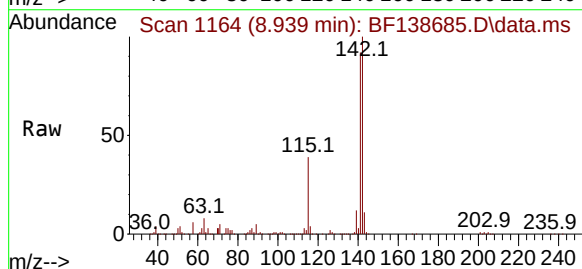
Acq: 30 Jul 2024 15:27

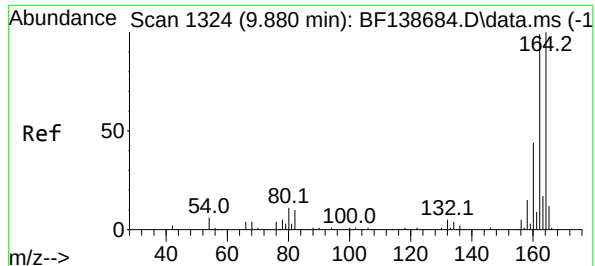
Tgt Ion:142 Resp: 450948

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

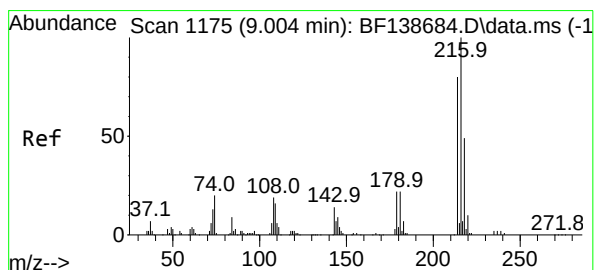
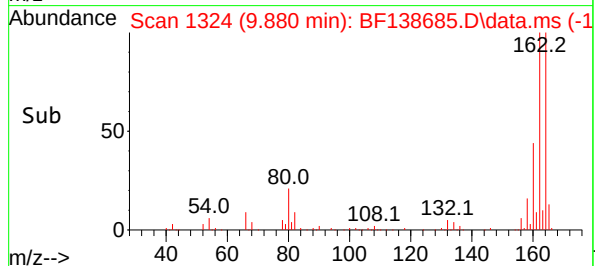
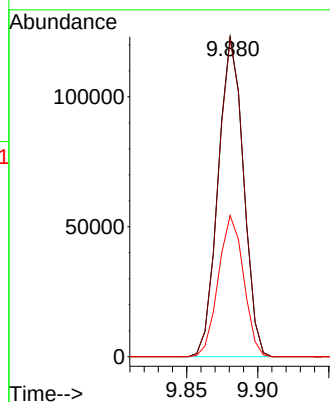
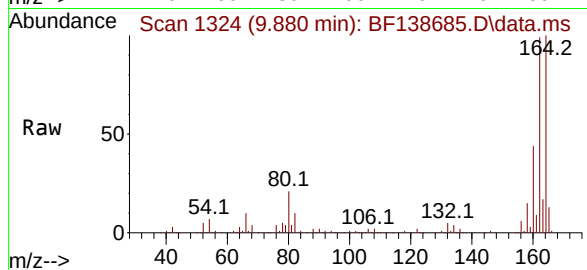
Tgt Ion:164 Resp: 152426

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

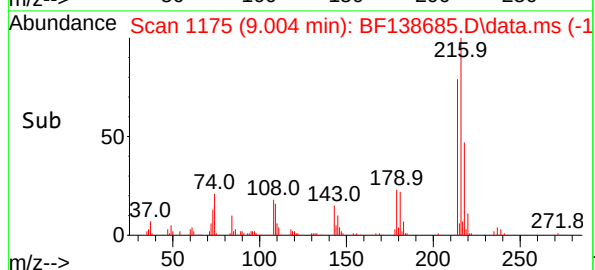
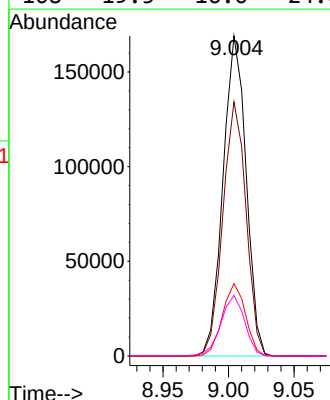
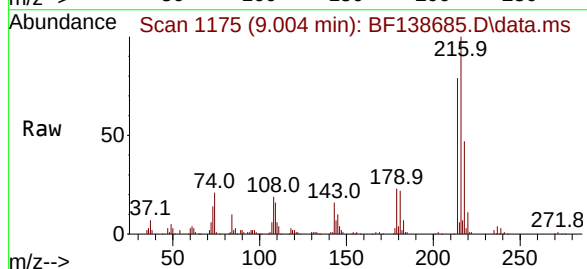
Ion Ratio Lower Upper

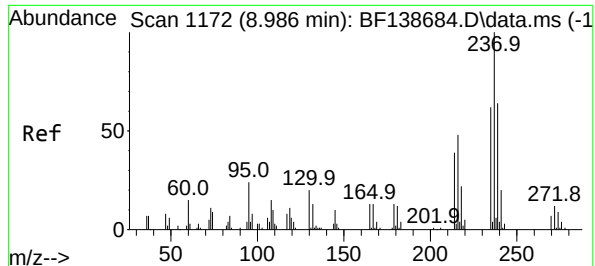
216 100

214 79.5 63.9 95.9

179 22.5 17.8 26.6

108 19.5 16.0 24.0

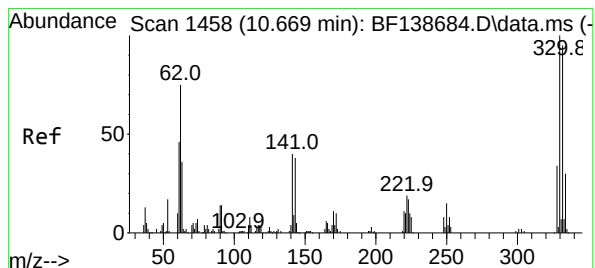
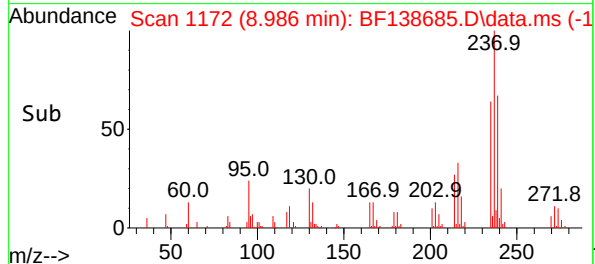
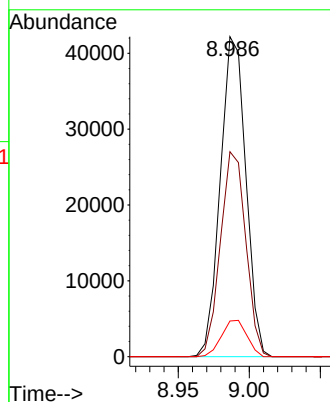
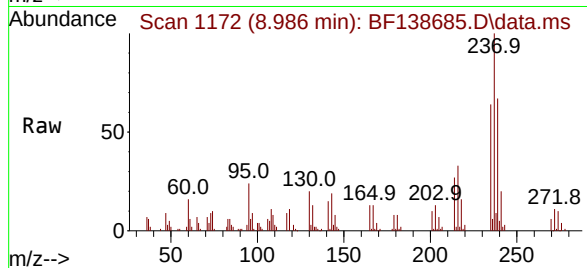




#41
Hexachlorocyclopentadiene
Concen: 49.894 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

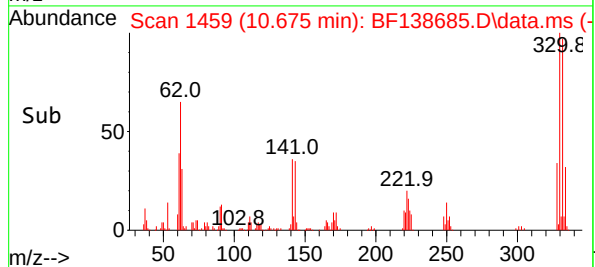
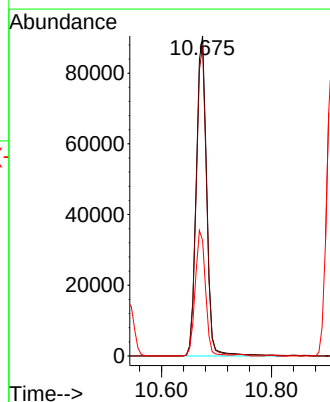
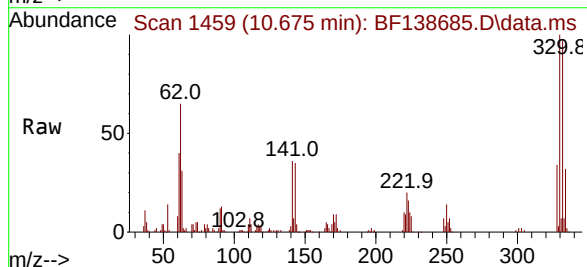
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

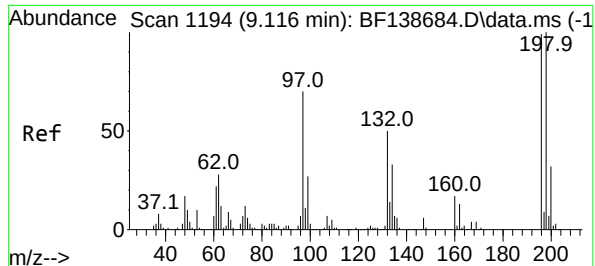
Tgt Ion:237 Resp: 52700
Ion Ratio Lower Upper
237 100
235 64.1 41.8 81.8
272 11.1 0.0 32.2



#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

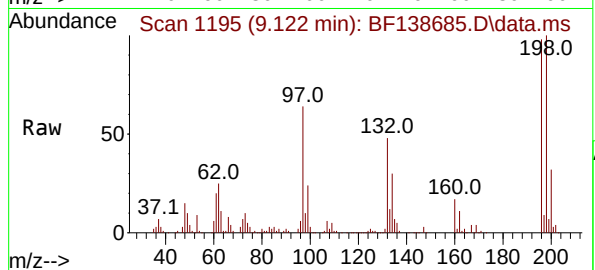
Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



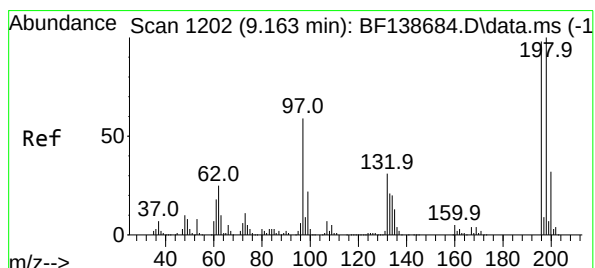
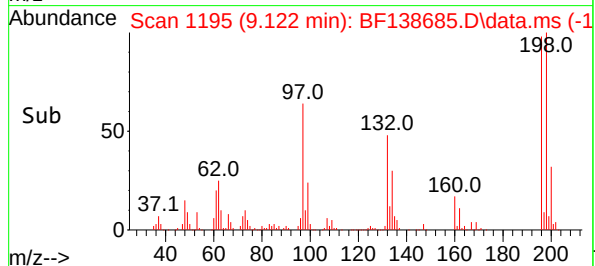
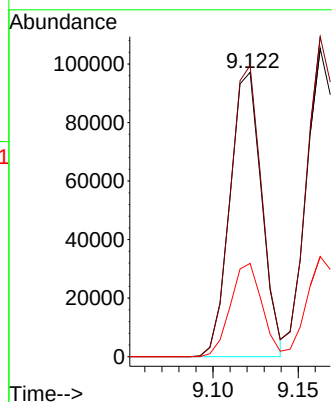
Tgt Ion:196 Resp: 125832

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

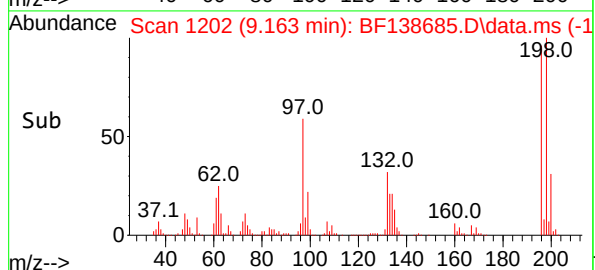
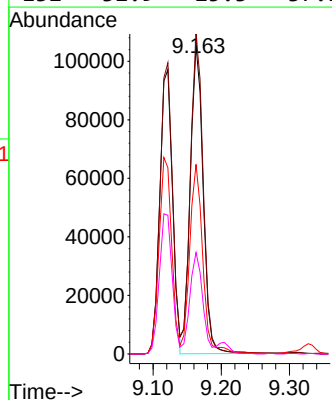
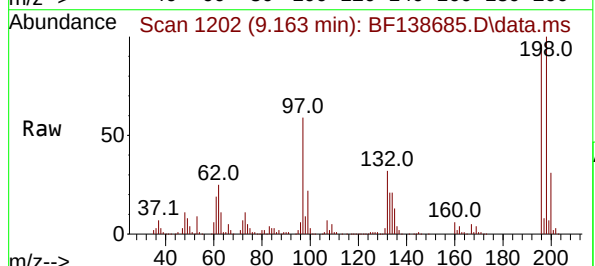
Ion Ratio Lower Upper

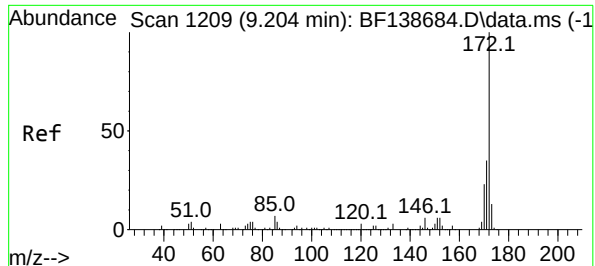
196 100

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

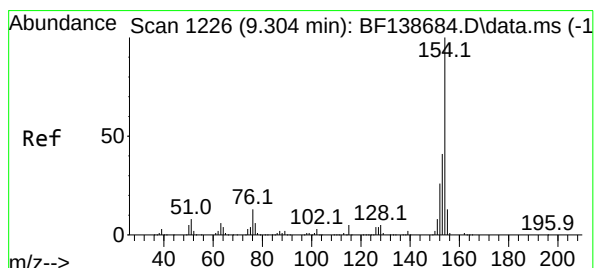
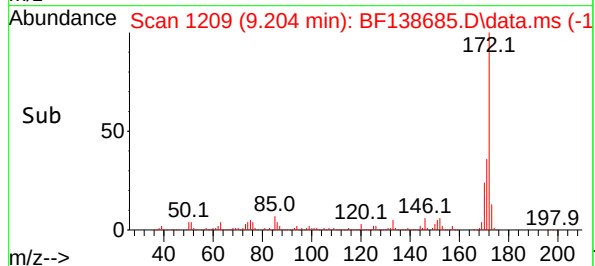
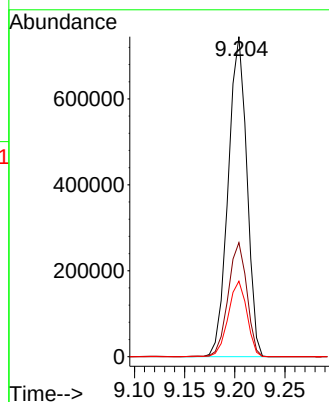
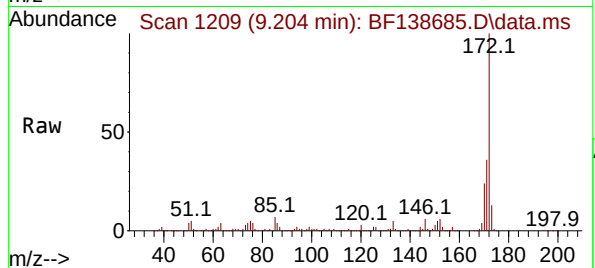
Tgt Ion:172 Resp: 960645

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

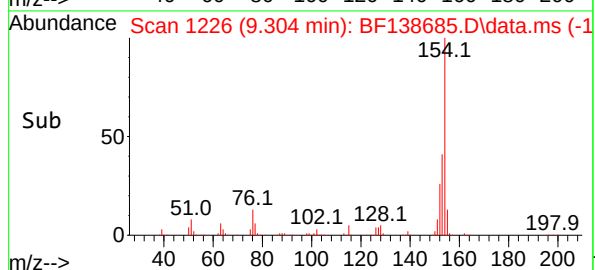
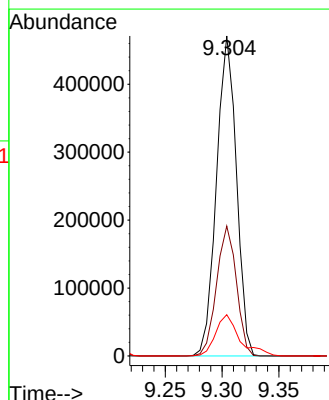
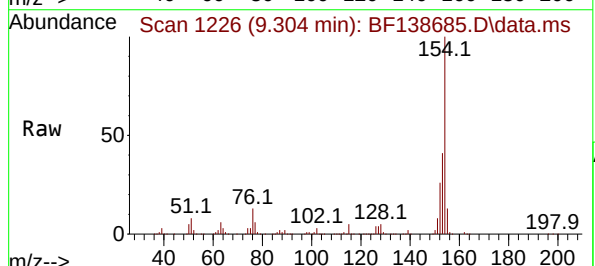
Tgt Ion:154 Resp: 574292

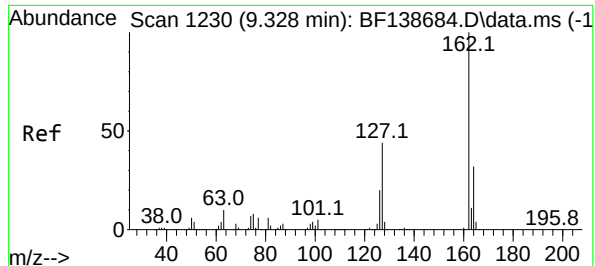
Ion Ratio Lower Upper

154 100

153 40.6 20.8 60.8

76 12.9 0.0 32.8

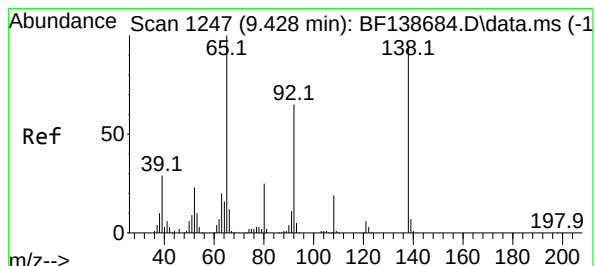
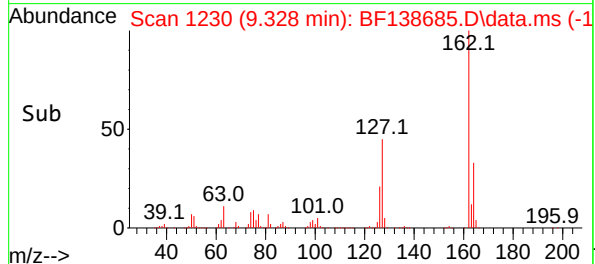
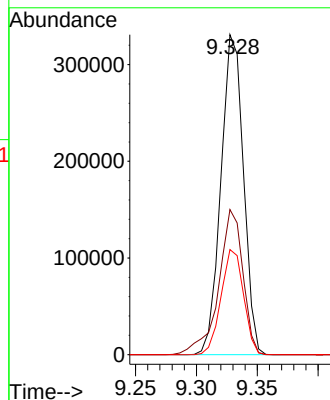
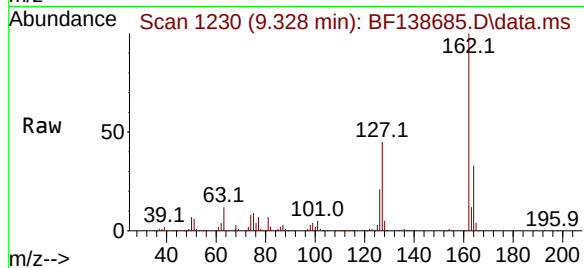




#47
2-Chloronaphthalene
Concen: 48.011 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

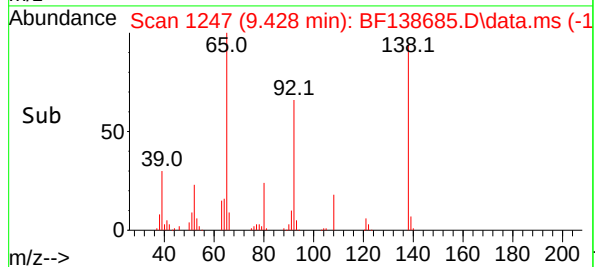
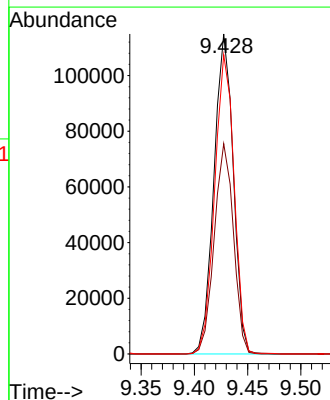
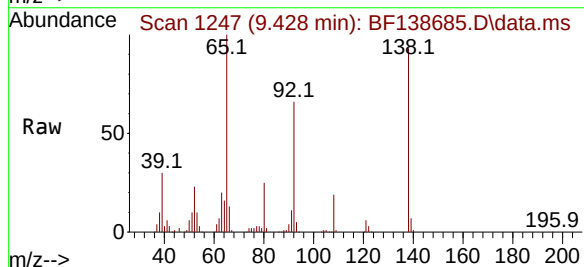
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

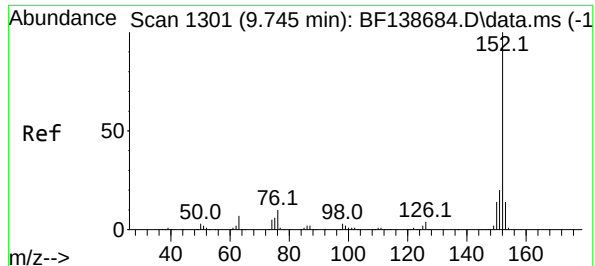
Tgt Ion:162 Resp: 426264
Ion Ratio Lower Upper
162 100
127 45.4 35.4 53.2
164 32.9 25.6 38.4



#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

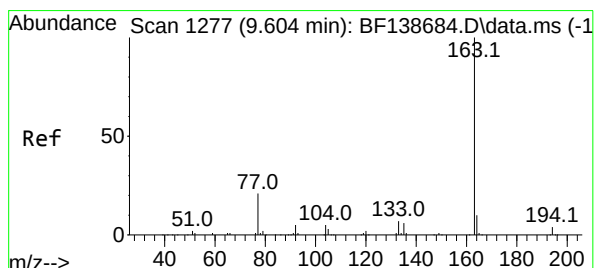
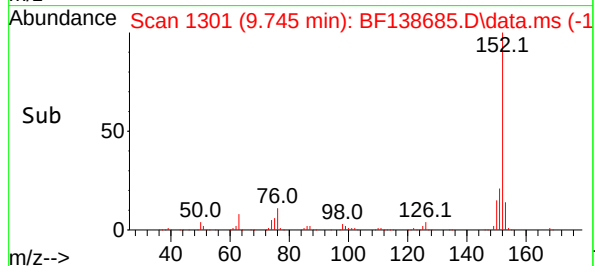
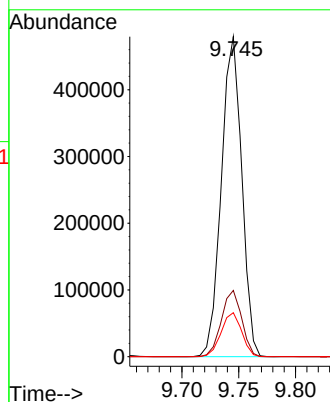
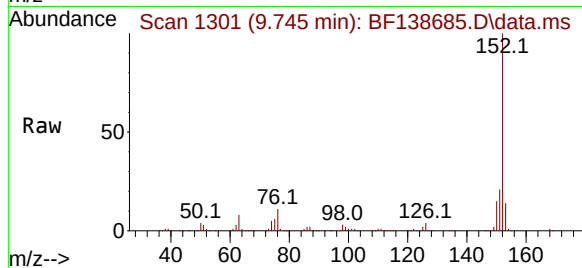
Tgt Ion:152 Resp: 599464

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

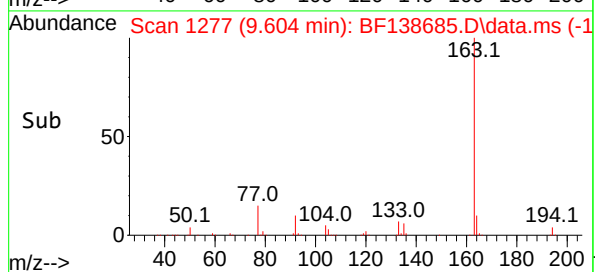
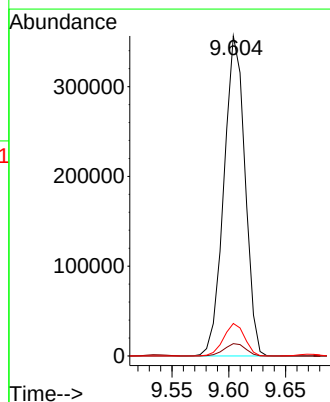
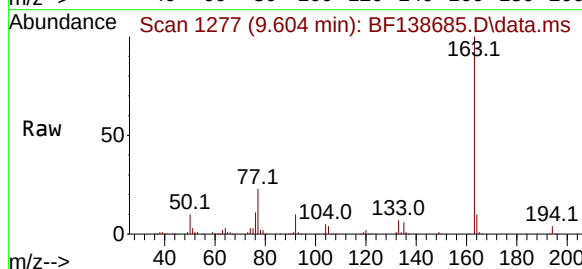
Tgt Ion:163 Resp: 460459

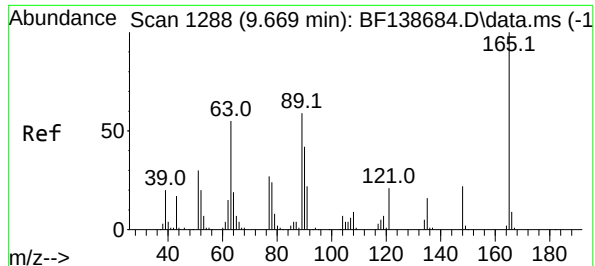
Ion Ratio Lower Upper

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

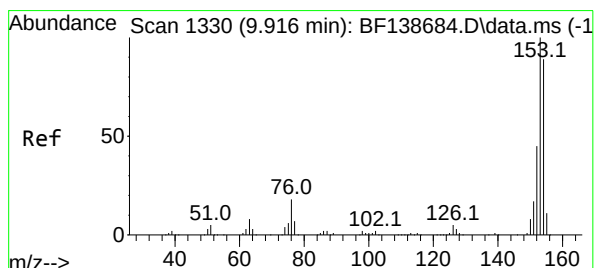
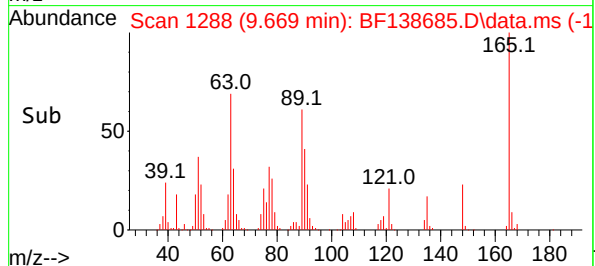
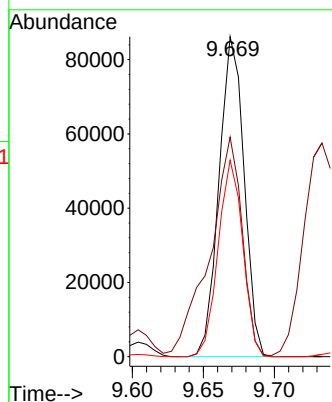
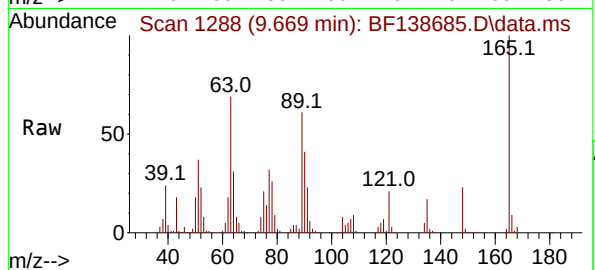
Tgt Ion:165 Resp: 105483

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

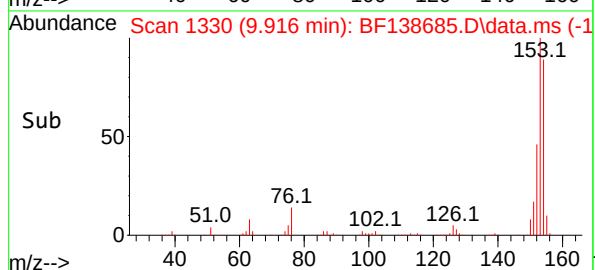
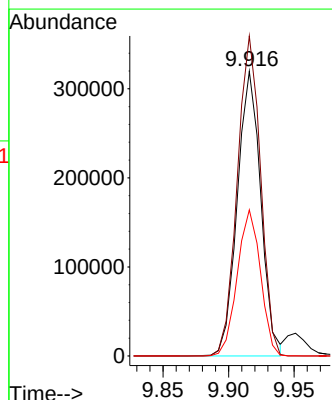
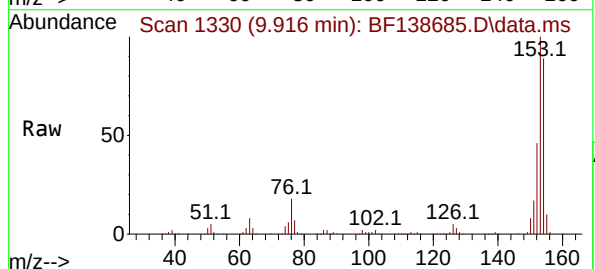
Tgt Ion:154 Resp: 399608

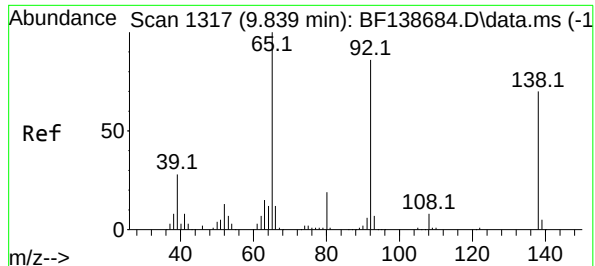
Ion Ratio Lower Upper

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

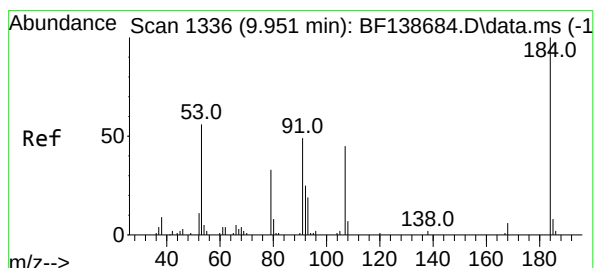
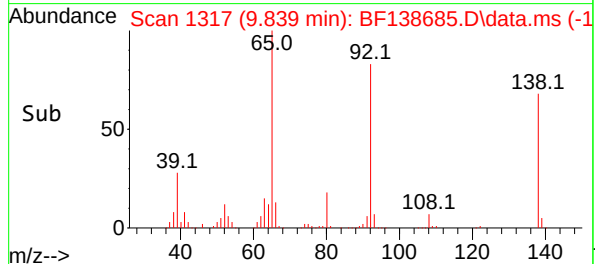
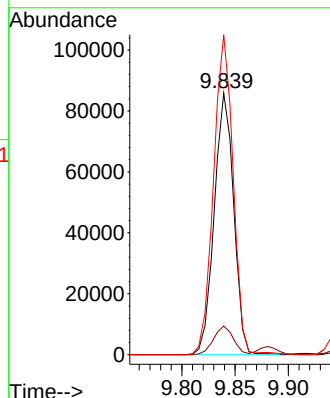
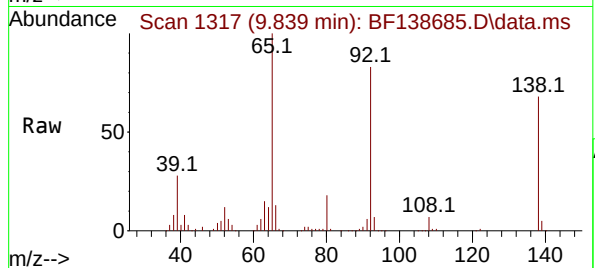
Tgt Ion:138 Resp: 108951

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

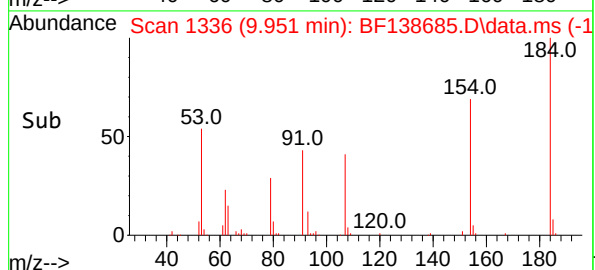
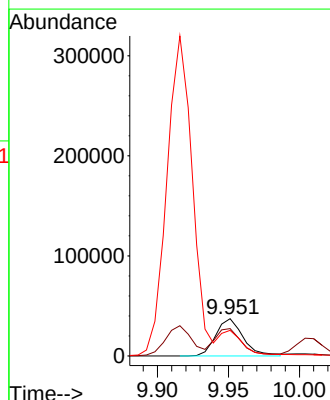
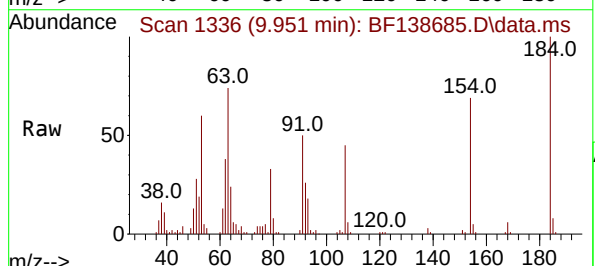
Tgt Ion:184 Resp: 49980

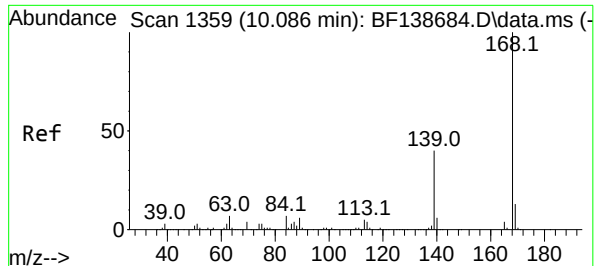
Ion Ratio Lower Upper

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

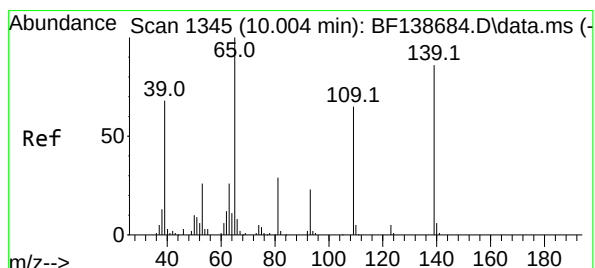
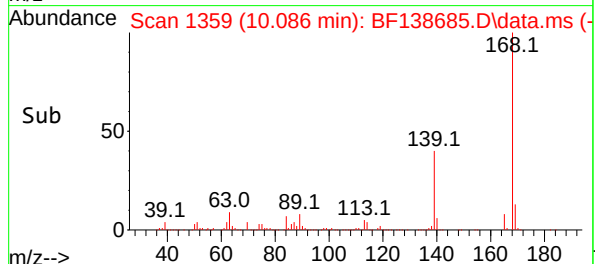
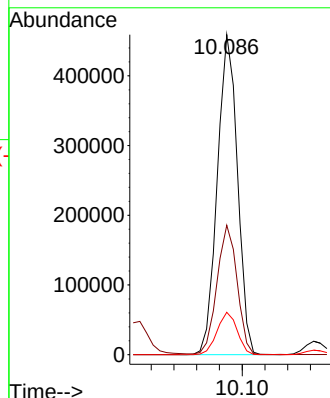
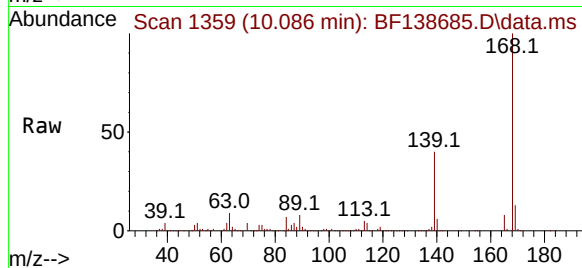
Tgt Ion:168 Resp: 565582

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

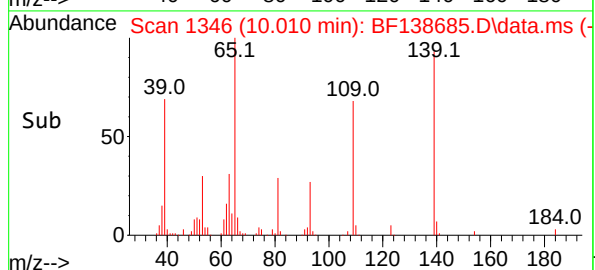
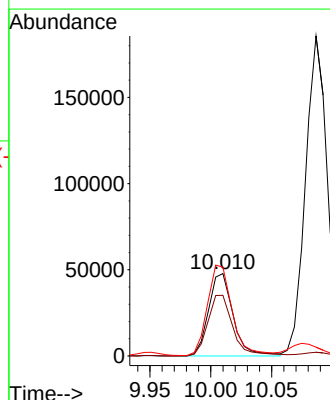
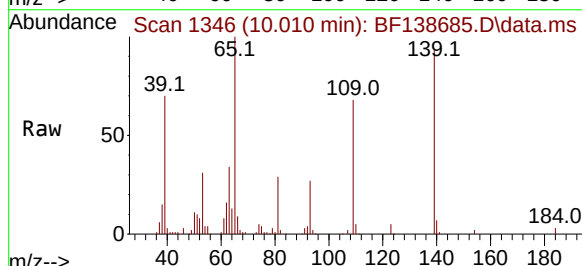
Tgt Ion:139 Resp: 66924

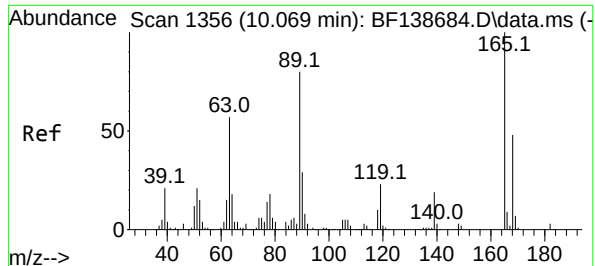
Ion Ratio Lower Upper

139 100

109 73.8 55.5 95.5

65 107.8 96.7 136.7

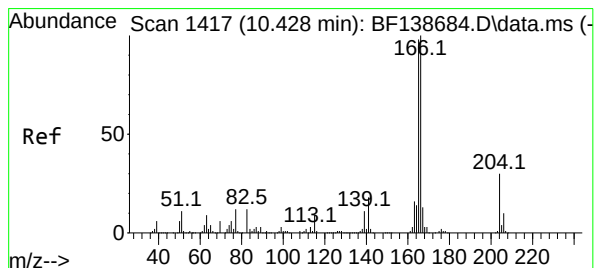
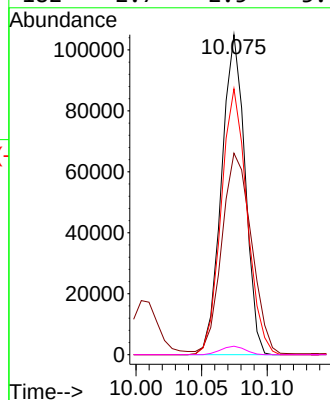
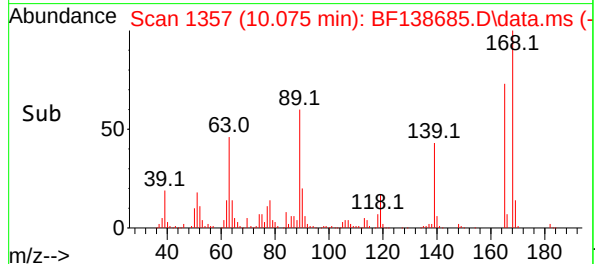
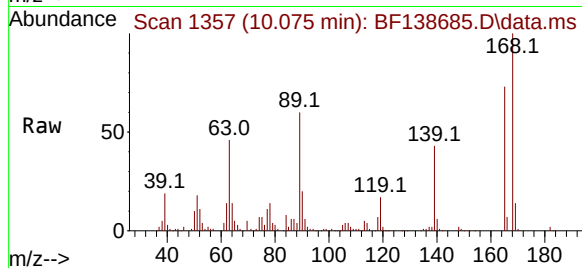




#57
2,4-Dinitrotoluene
Concen: 46.487 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

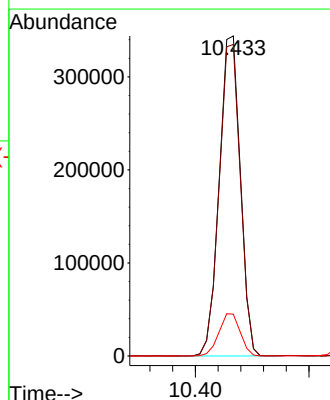
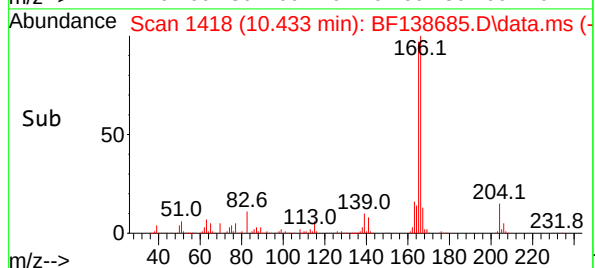
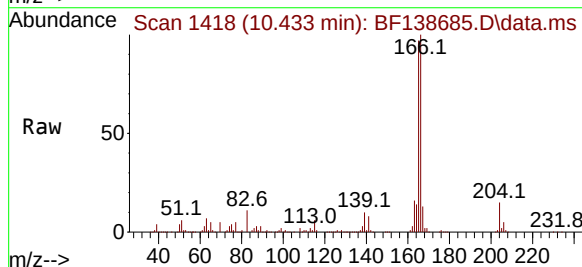
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

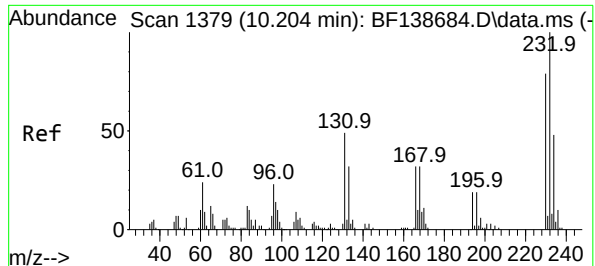
Tgt Ion:165 Resp: 130457
Ion Ratio Lower Upper
165 100
63 63.0 46.3 69.5
89 83.1 64.2 96.4
182 2.7 2.5 3.7



#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

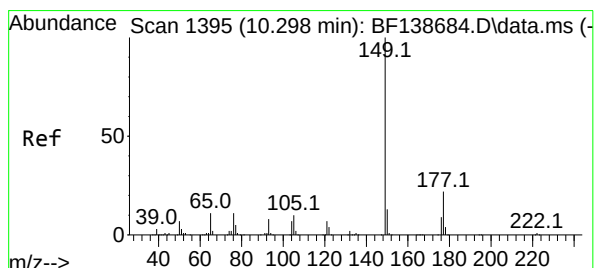
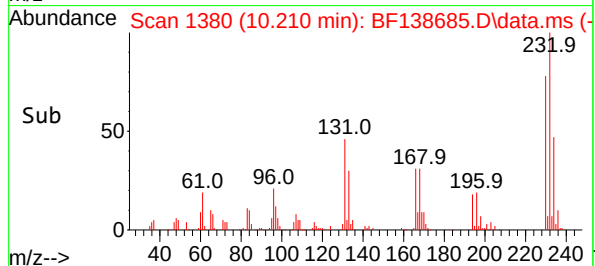
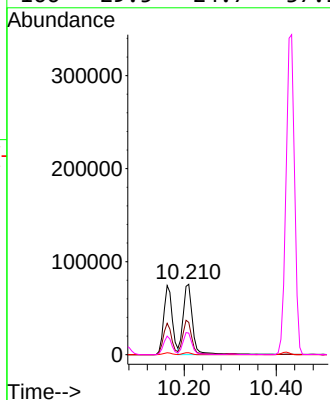
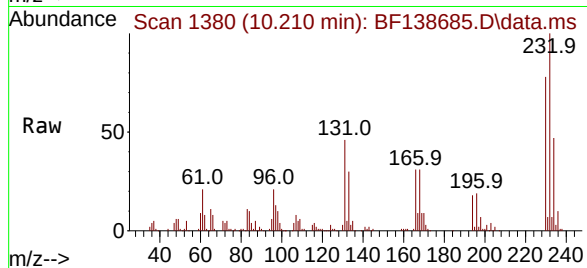




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.402 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

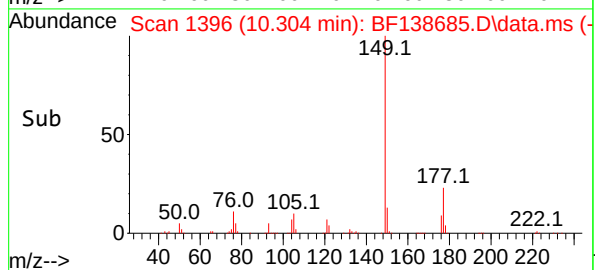
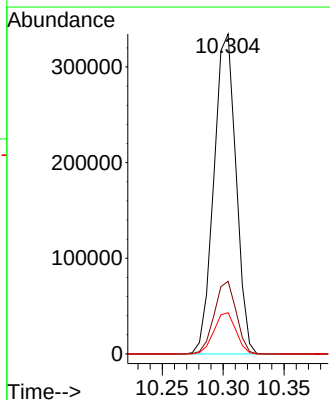
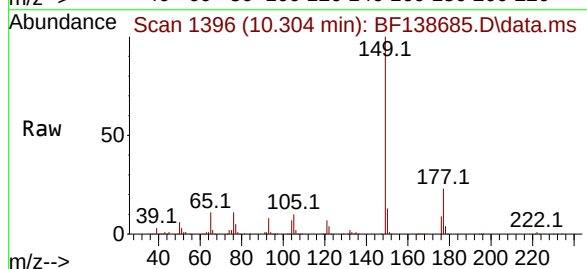
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

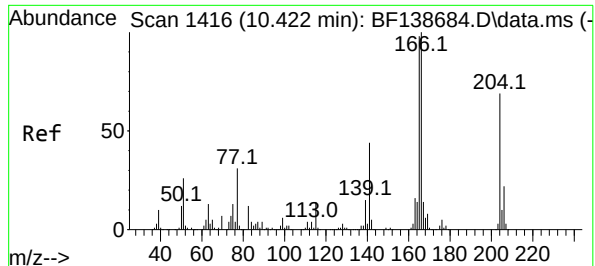
Tgt Ion:232 Resp: 106594
Ion Ratio Lower Upper
232 100
131 46.1 37.0 55.4
130 2.5 2.0 3.0
166 29.5 24.7 37.1



#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

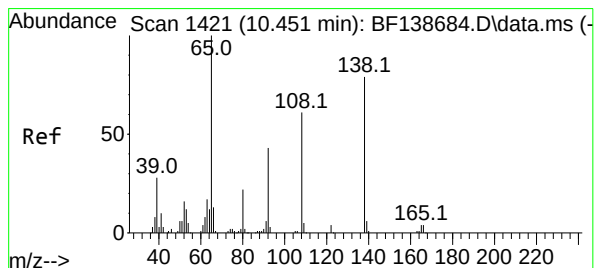
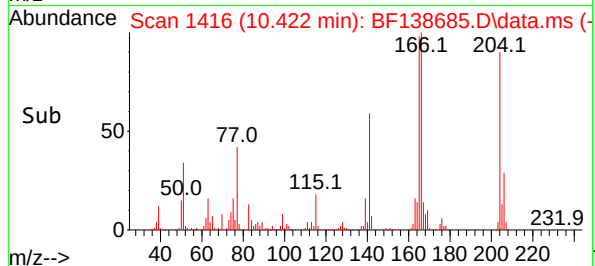
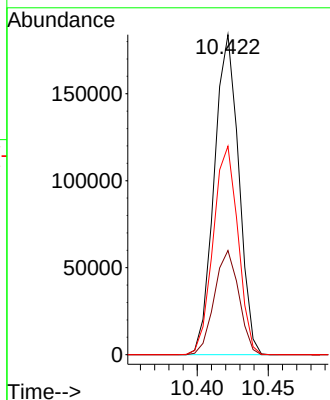
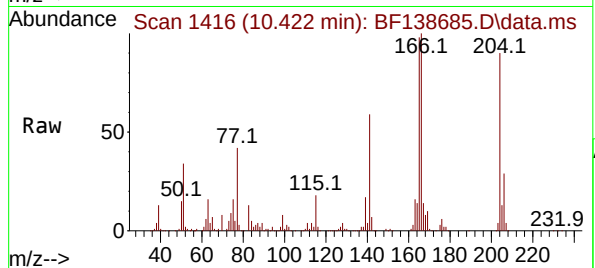




#61
4-Chlorophenyl-phenylether
Concen: 47.209 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

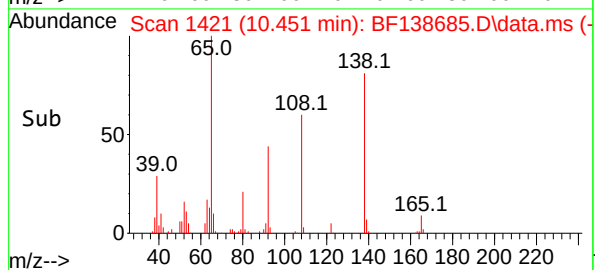
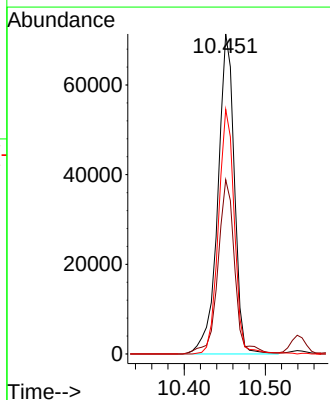
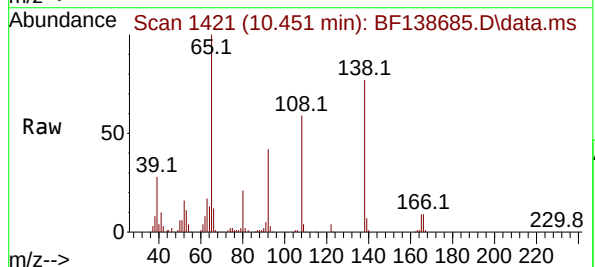
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

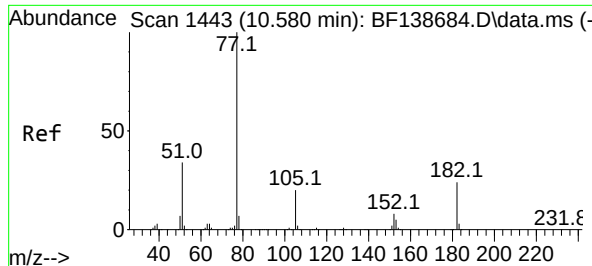
Tgt Ion:204 Resp: 220930
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 65.2 51.4 77.0



#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

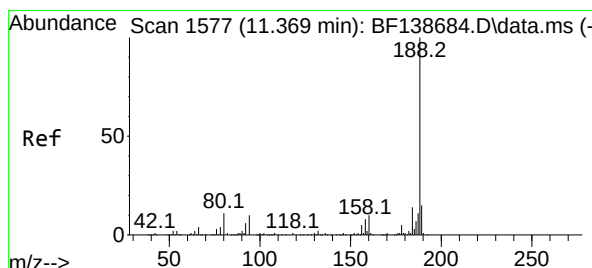
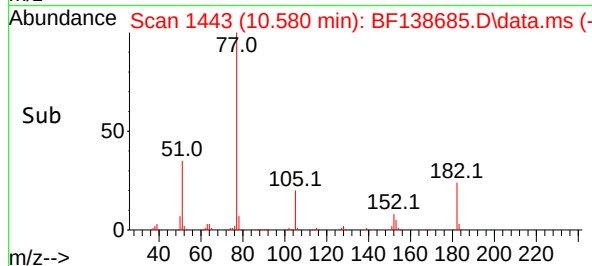
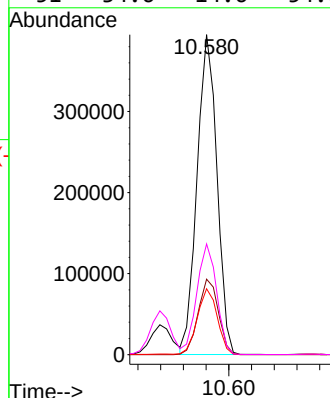
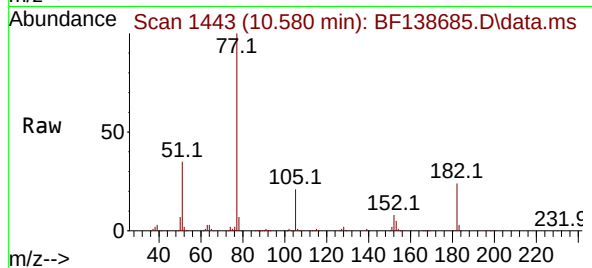




#63
Azobenzene
Concen: 46.818 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

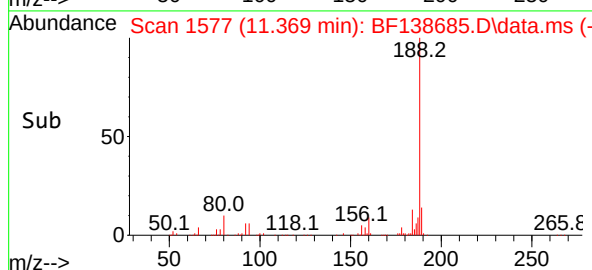
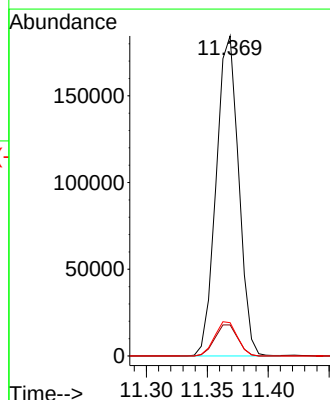
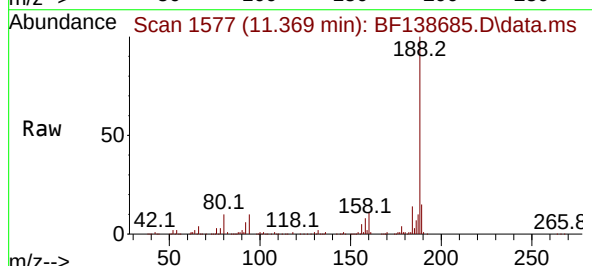
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

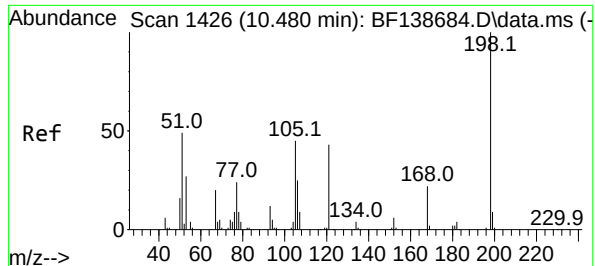
Tgt Ion:	77	Resp:	479859
Ion	Ratio	Lower	Upper
77	100		
182	23.6	3.4	43.4
105	20.6	0.2	40.2
51	34.6	14.6	54.6



#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

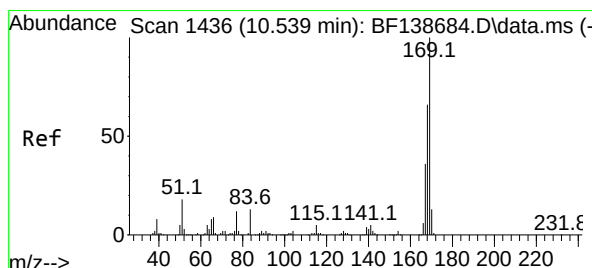
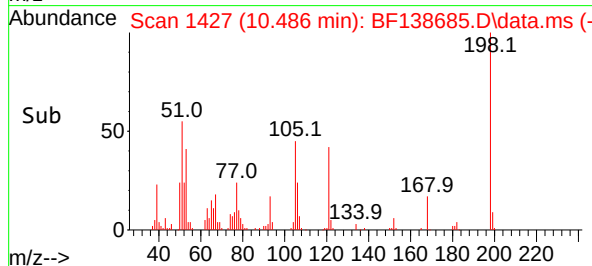
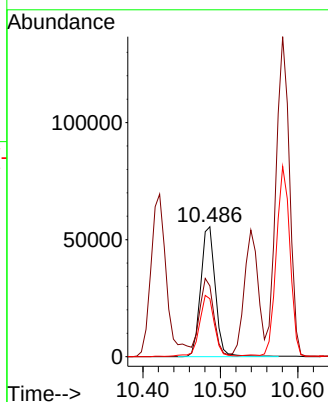
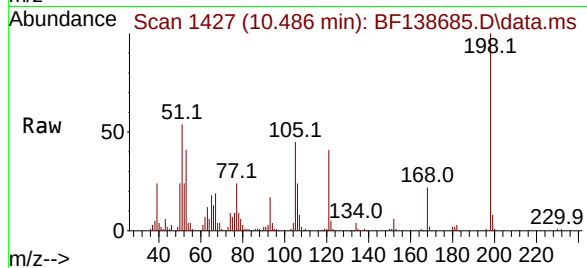




#65
4,6-Dinitro-2-methylphenol
Concen: 50.244 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

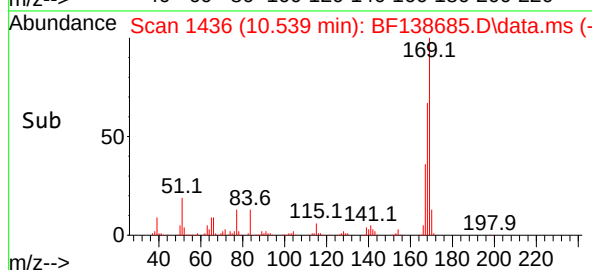
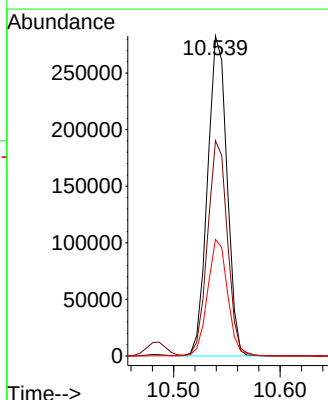
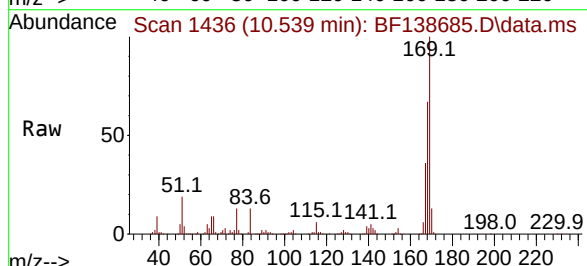
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

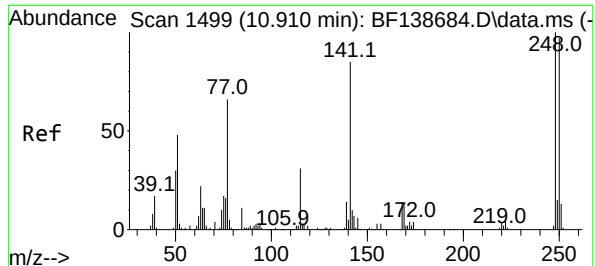
Tgt Ion	Ratio	Lower	Upper
198	100		
51	54.4	39.9	79.9
105	44.7	26.1	66.1



#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

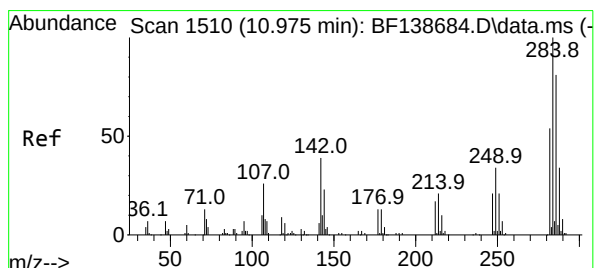
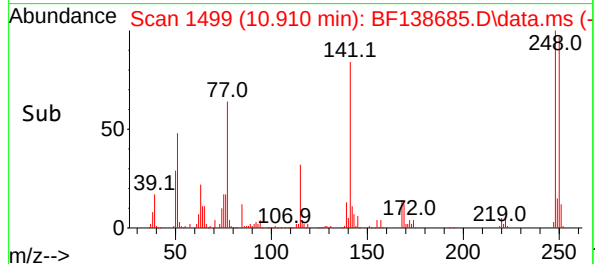
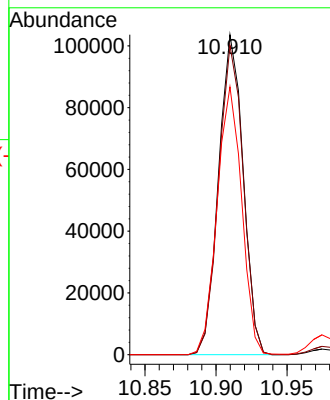
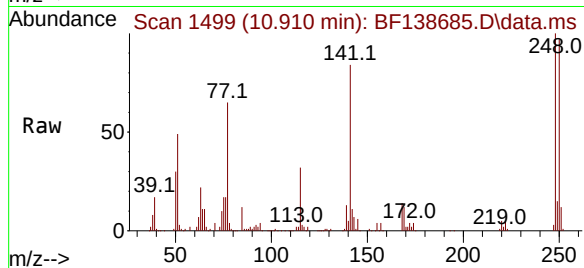




#67
4-Bromophenyl-phenylether
Concen: 48.653 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

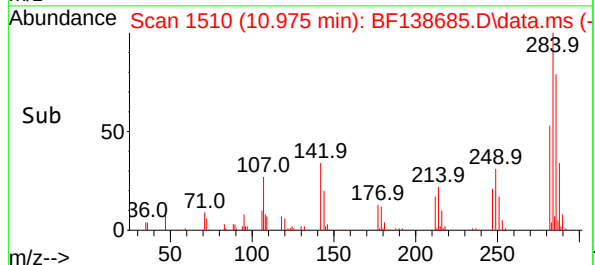
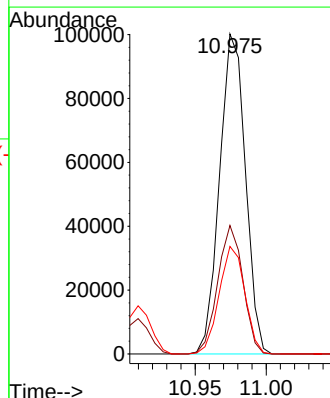
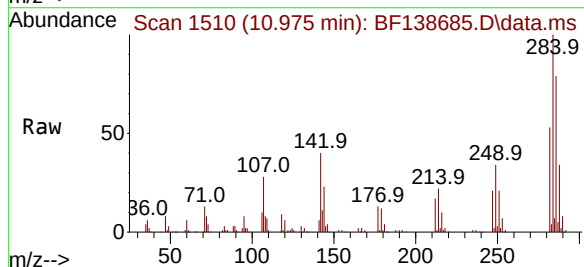
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

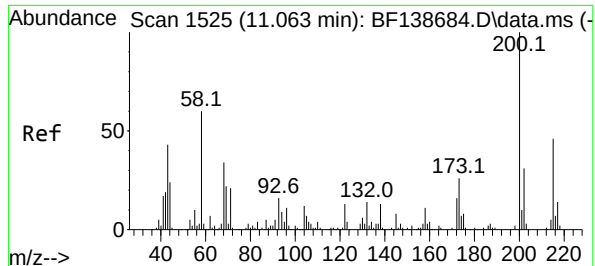
Tgt Ion:248 Resp: 124874
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 83.7 68.0 102.0



#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

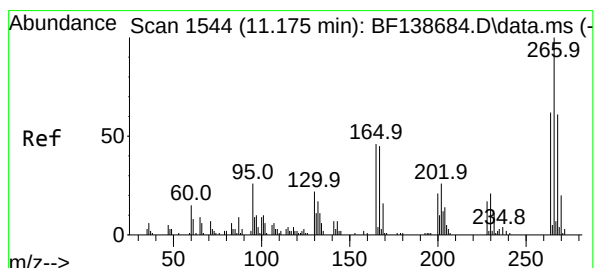
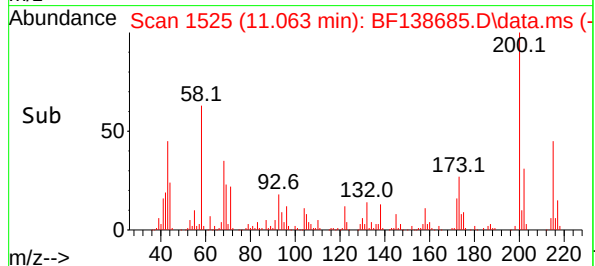
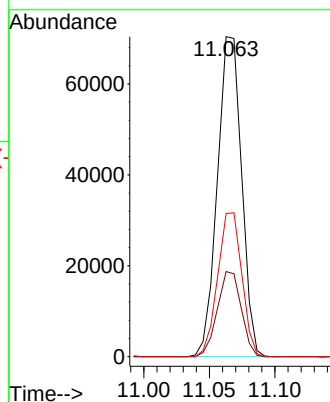
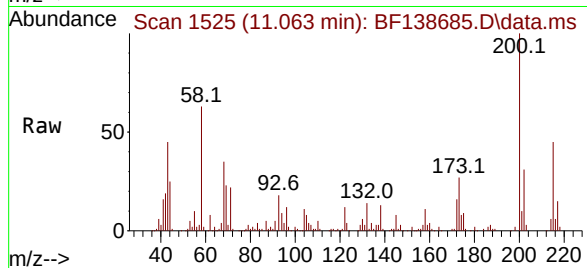
Tgt Ion:200 Resp: 90580

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

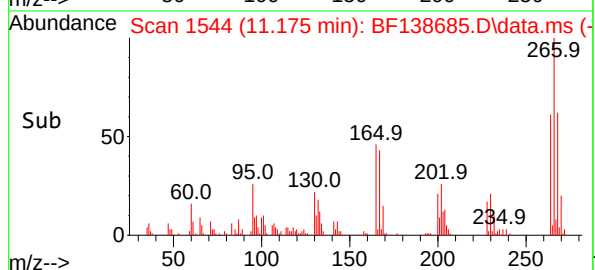
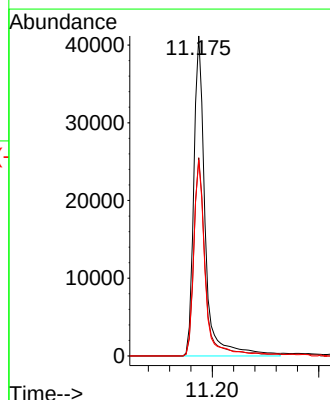
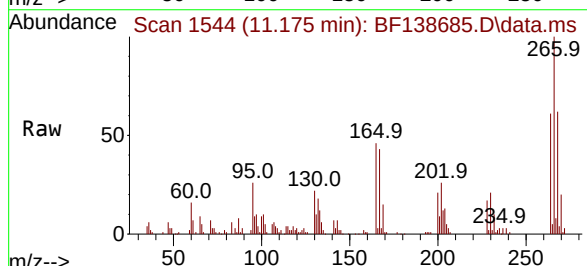
Tgt Ion:266 Resp: 61385

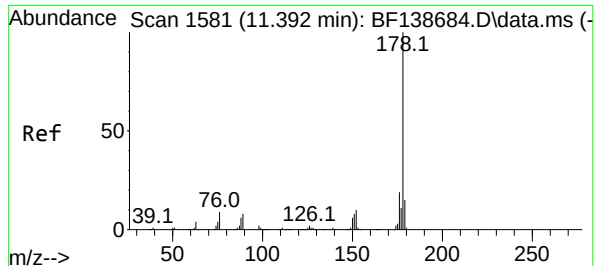
Ion Ratio Lower Upper

266 100

268 61.9 49.2 73.8

264 61.2 49.8 74.6

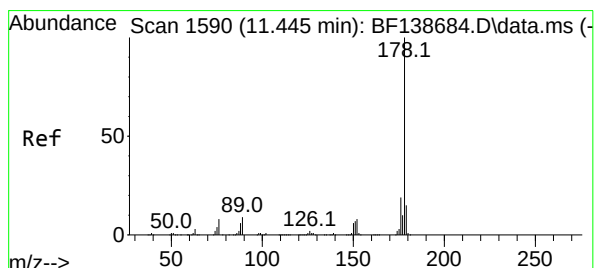
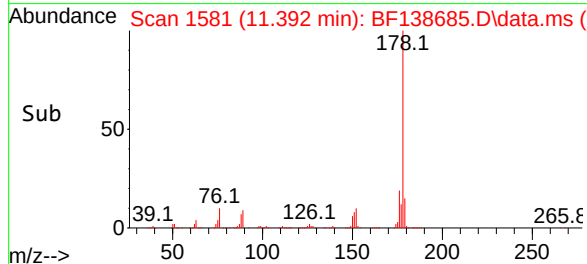
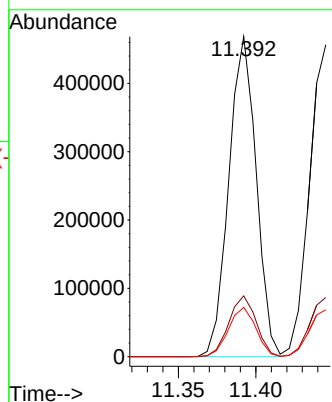
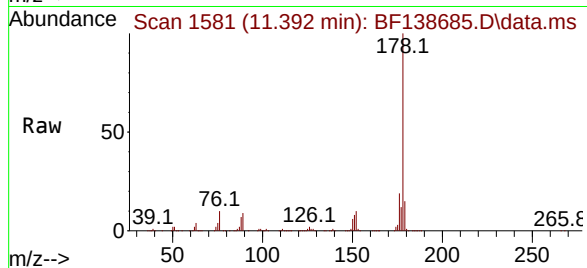




#71
Phenanthrene
Concen: 47.109 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

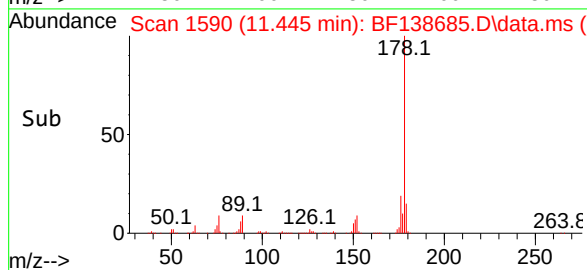
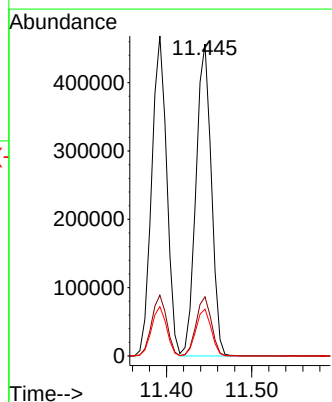
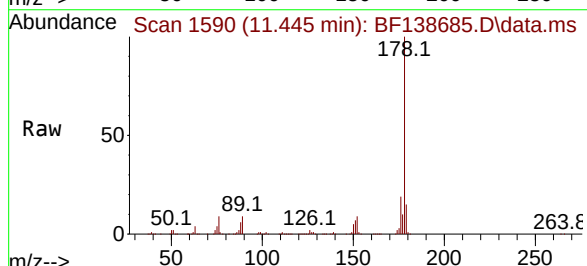
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

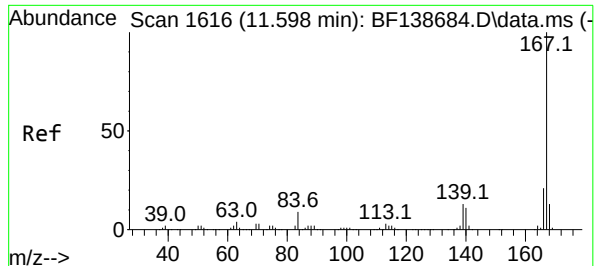
Tgt Ion:178 Resp: 575040
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.4 12.2 18.2



#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

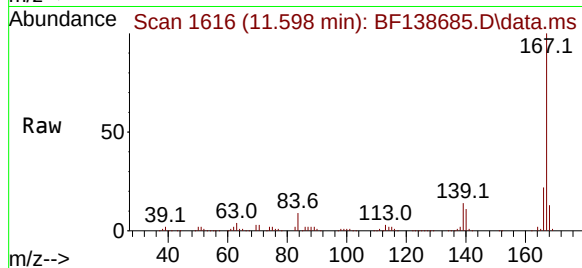
Tgt Ion:178 Resp: 571666
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 15.0 12.4 18.6



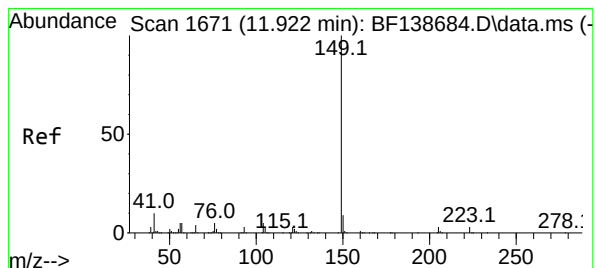
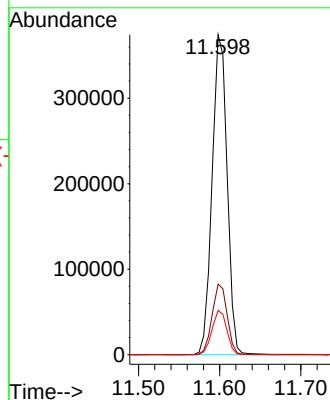


#73
Carbazole
Concen: 46.275 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

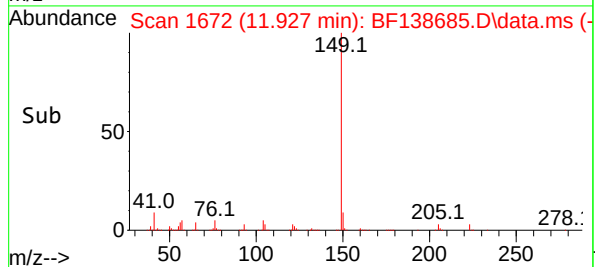
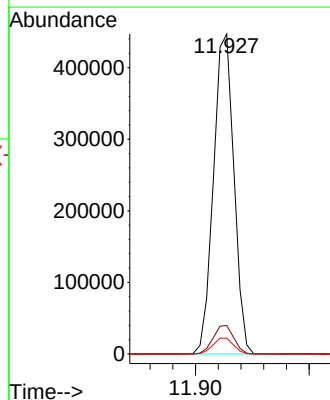
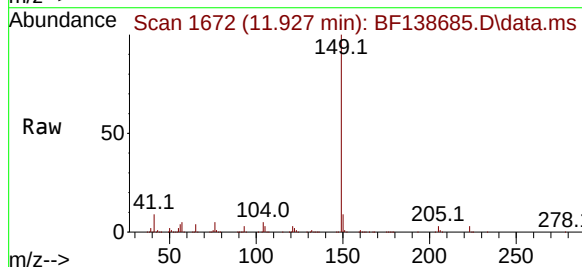


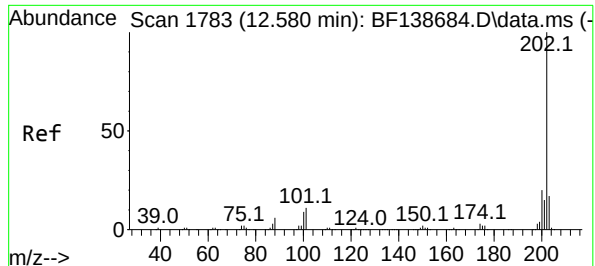
Tgt Ion:167 Resp: 480092
Ion Ratio Lower Upper
167 100
166 22.1 17.2 25.8
139 13.9 10.6 16.0



#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

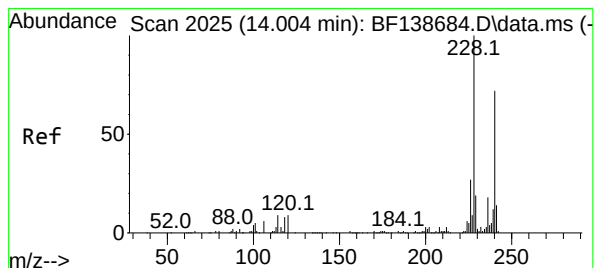
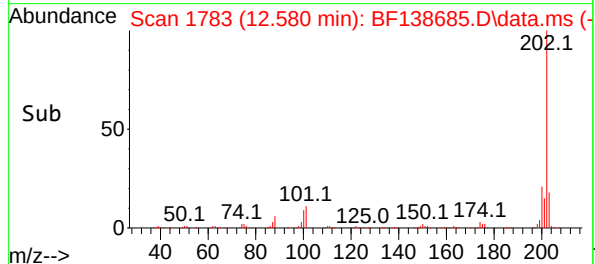
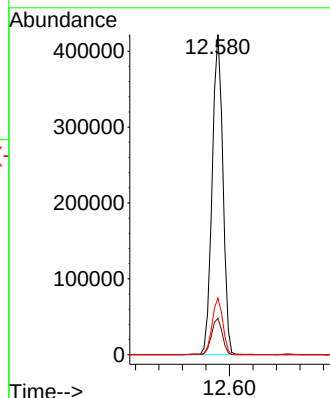
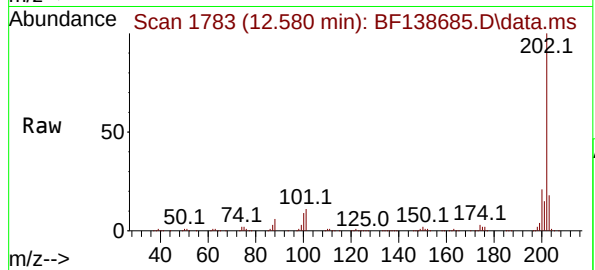




#75
Fluoranthene
Concen: 46.772 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

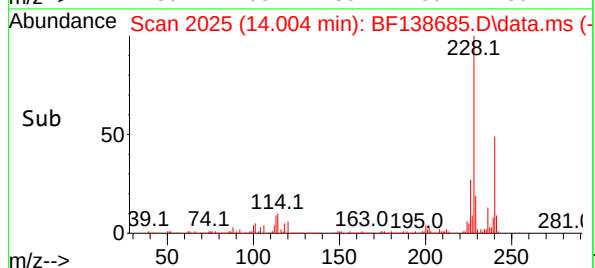
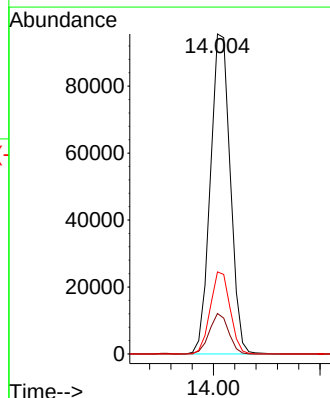
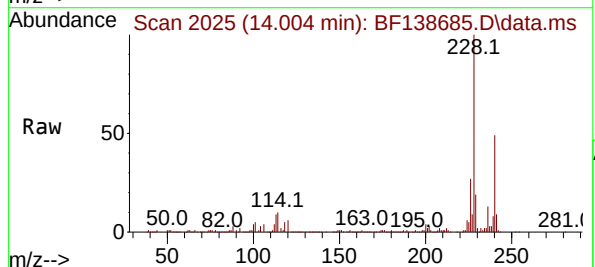
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

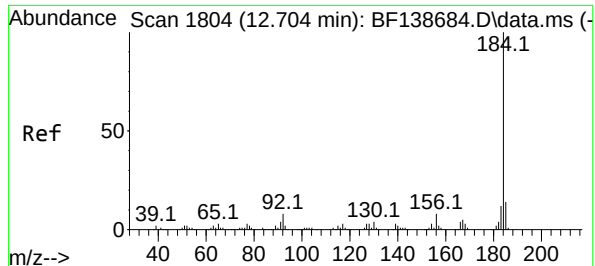
Tgt Ion:202 Resp: 533004
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.2
203 17.7 0.0 37.3



#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:240 Resp: 124208
Ion Ratio Lower Upper
240 100
120 12.7 10.2 15.4
236 25.7 19.8 29.8

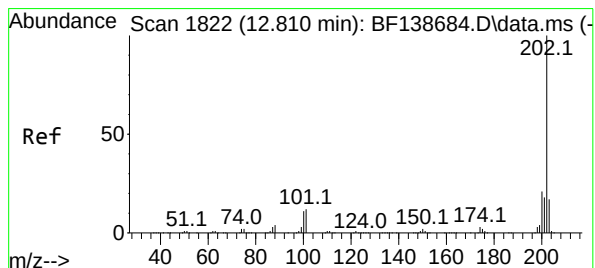
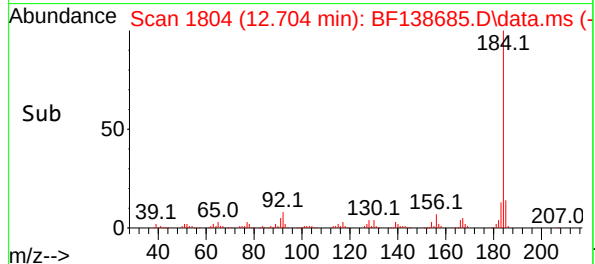
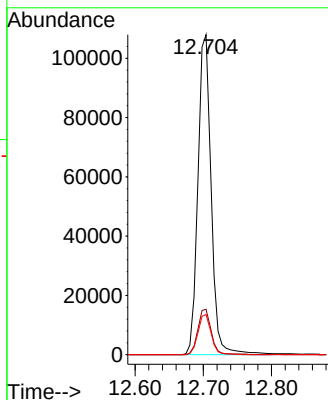
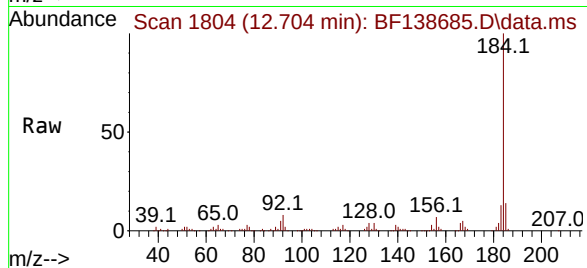




#77
Benzidine
Concen: 49.129 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

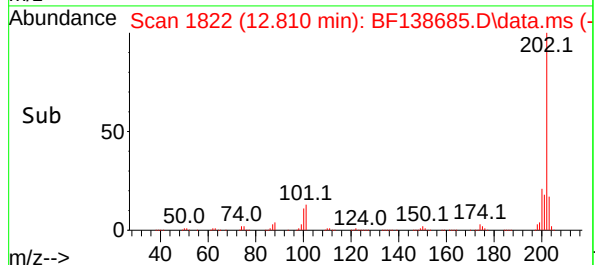
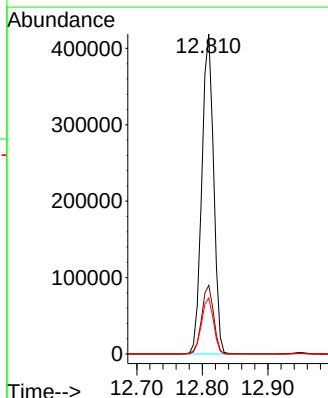
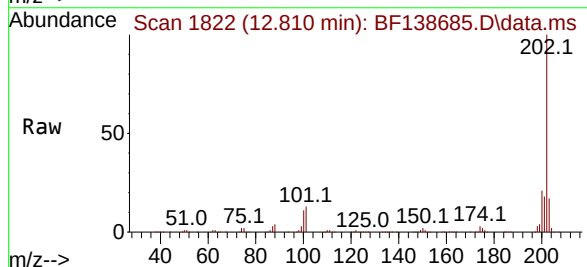
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

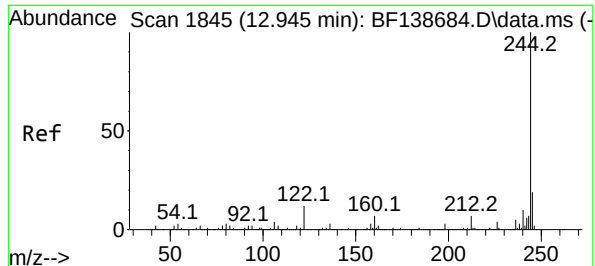
Tgt Ion:184 Resp: 145955
Ion Ratio Lower Upper
184 100
185 14.2 11.1 16.7
183 12.6 9.6 14.4



#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

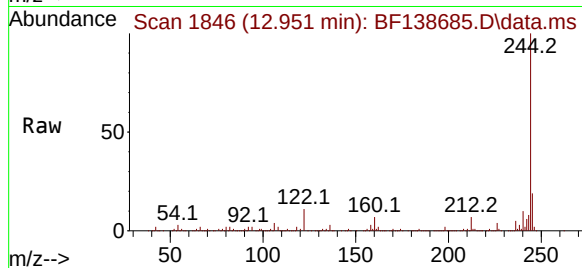
Acq: 30 Jul 2024 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



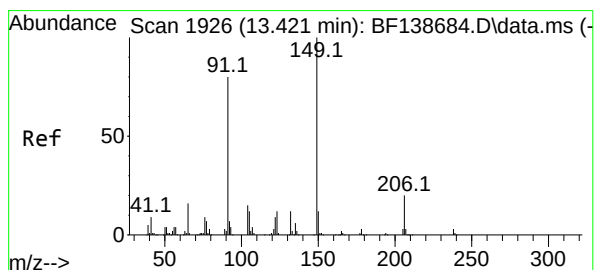
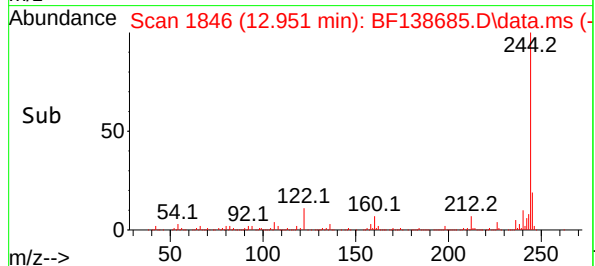
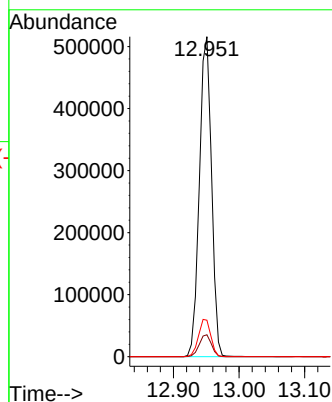
Tgt Ion:244 Resp: 665833

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

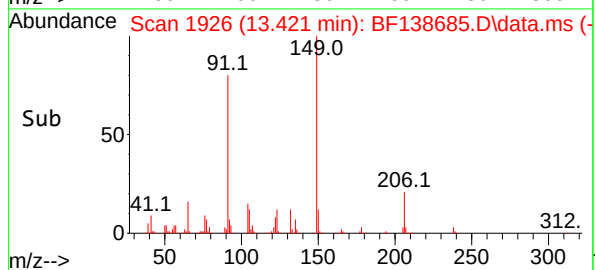
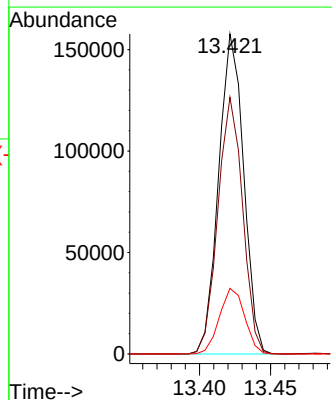
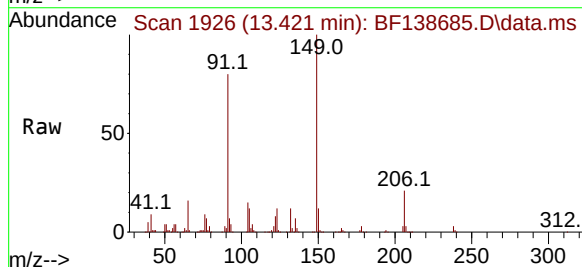
Tgt Ion:149 Resp: 193143

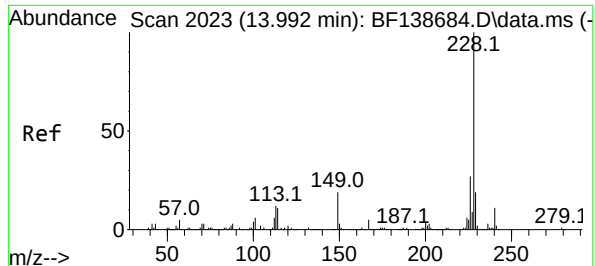
Ion Ratio Lower Upper

149 100

91 80.2 63.7 95.5

206 20.5 16.2 24.2

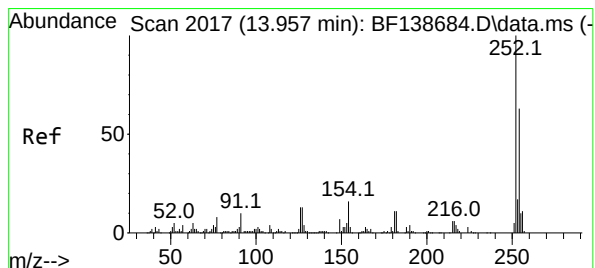
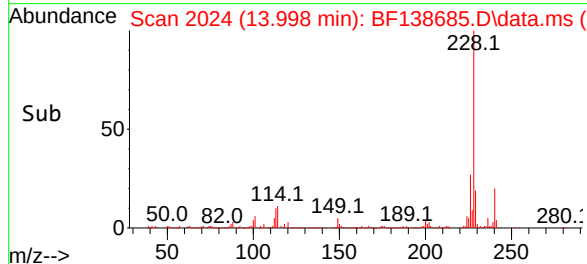
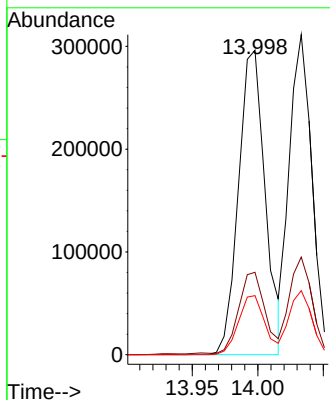
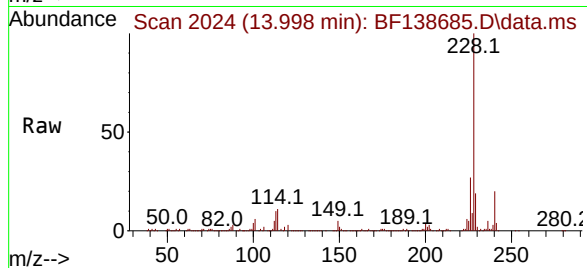




#81
Benzo(a)anthracene
Concen: 49.040 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

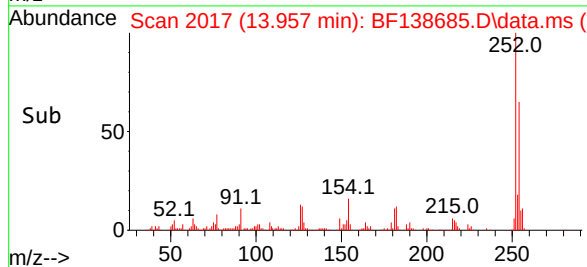
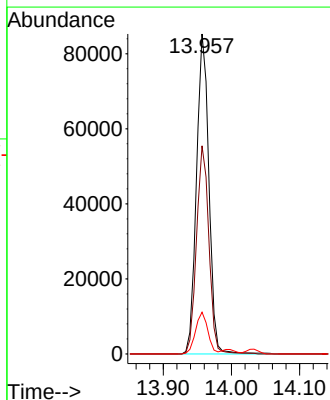
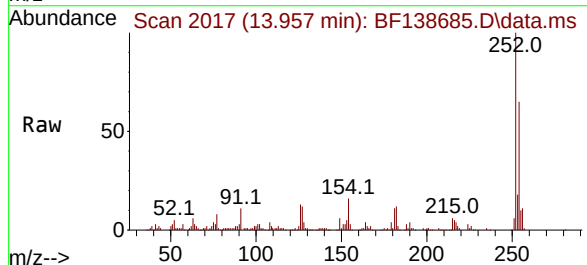
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

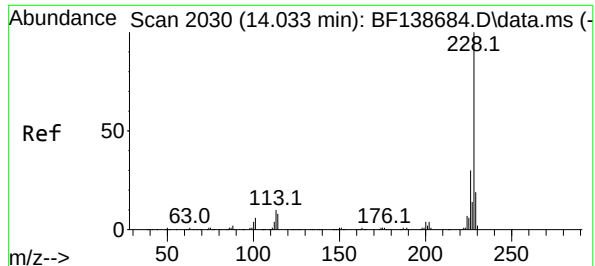
Tgt Ion:228 Resp: 419449
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 19.4 15.4 23.0



#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

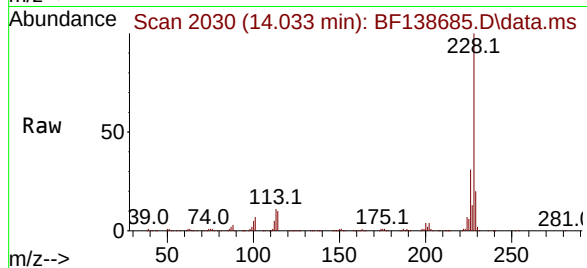
Tgt Ion:252 Resp: 107444
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 13.1 10.2 15.2



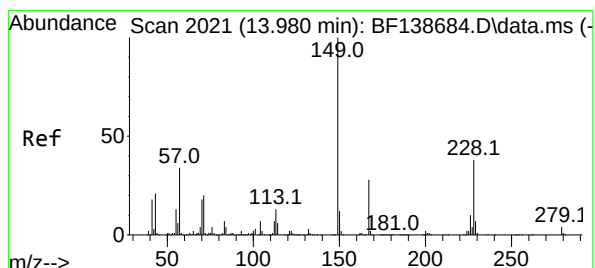
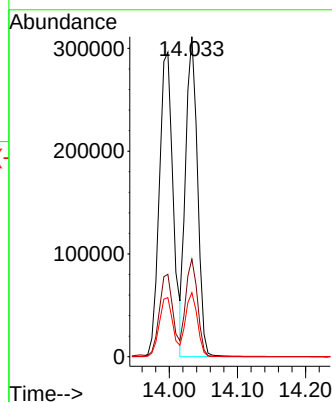
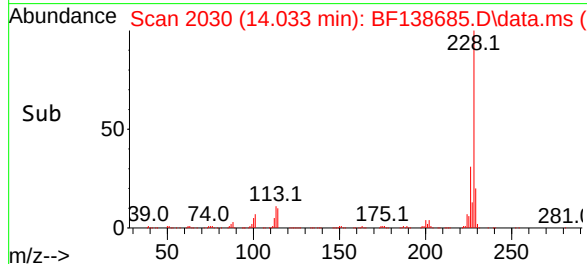


#83
Chrysene
Concen: 48.391 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

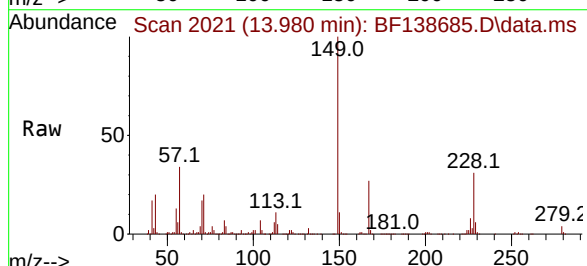
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



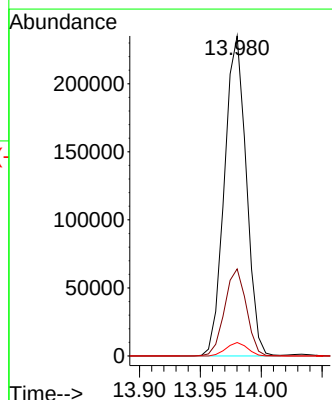
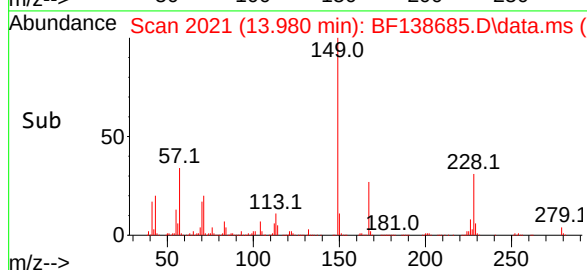
Tgt Ion:228 Resp: 373417
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 20.0 15.0 22.6

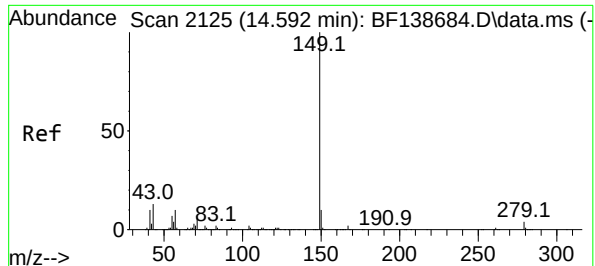


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.519 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27



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

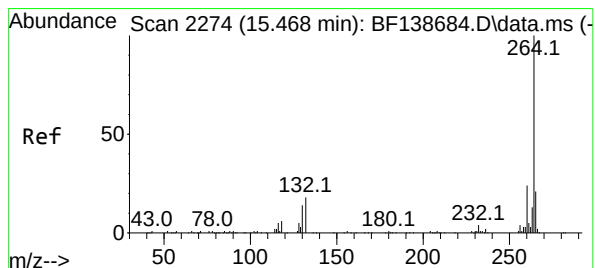
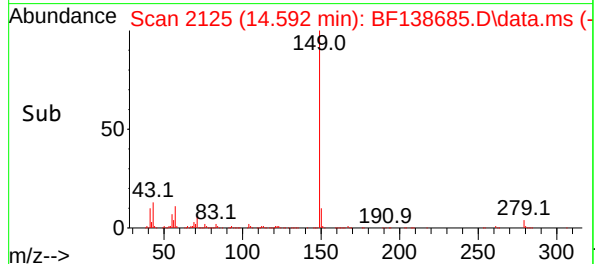
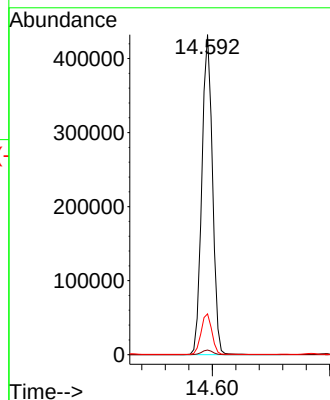
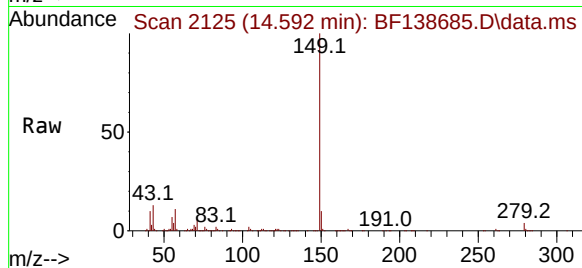




#85
Di-n-octyl phthalate
Concen: 53.306 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

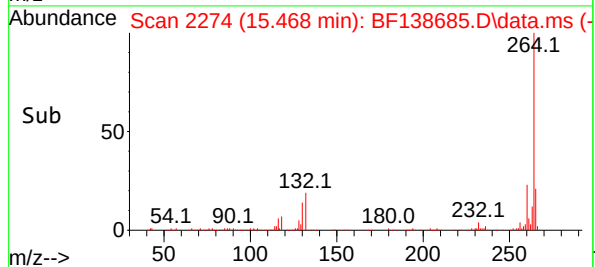
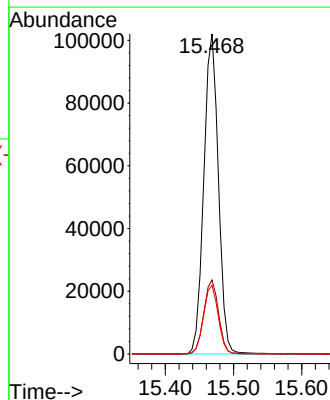
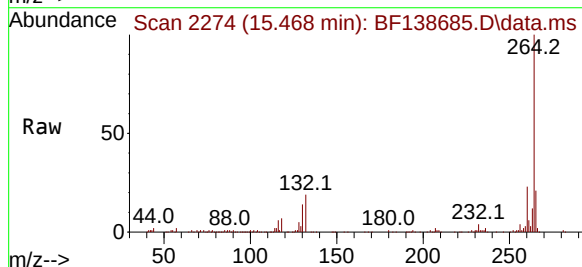
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

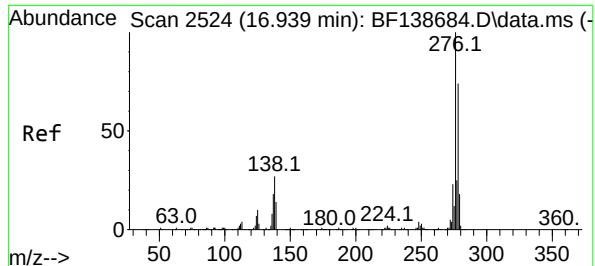
Tgt Ion:149 Resp: 540838
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.0 10.4 15.6



#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

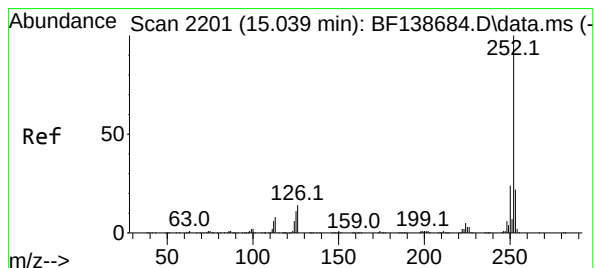
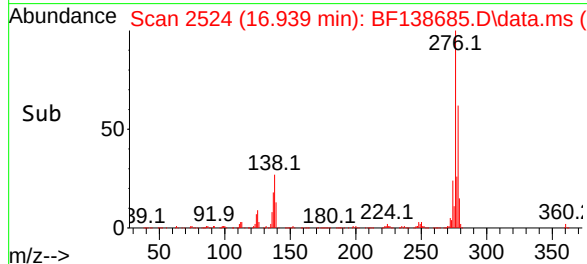
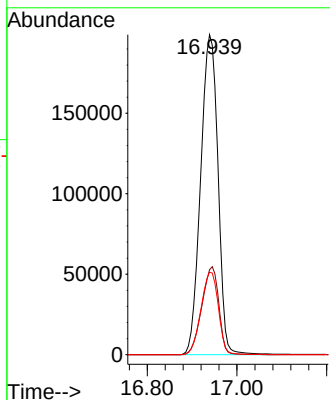
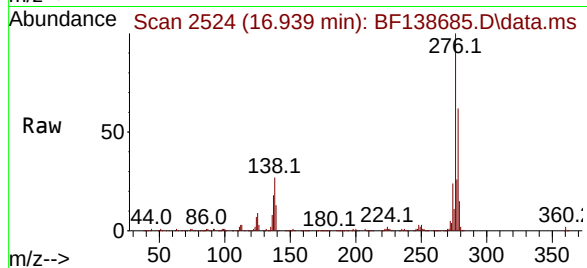




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.039 ng
RT: 16.939 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

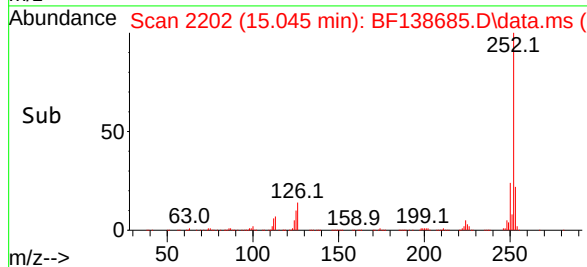
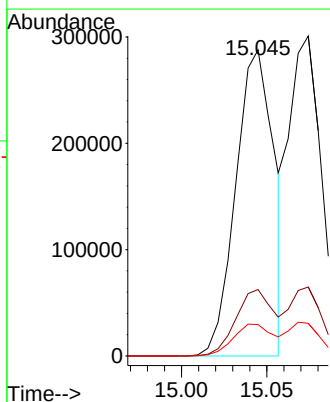
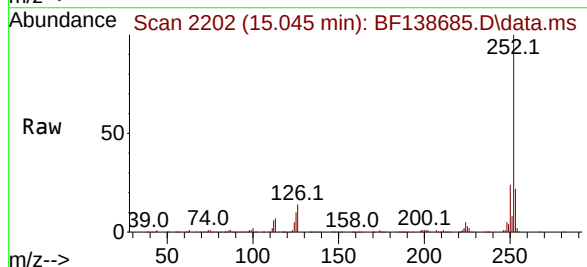
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

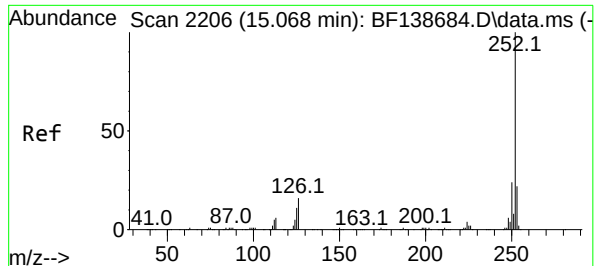
Tgt Ion:276 Resp: 533298
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.8
277 25.8 20.6 30.8



#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

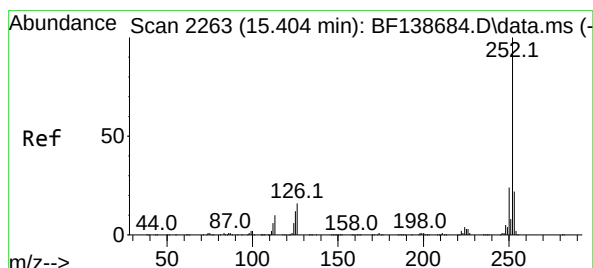
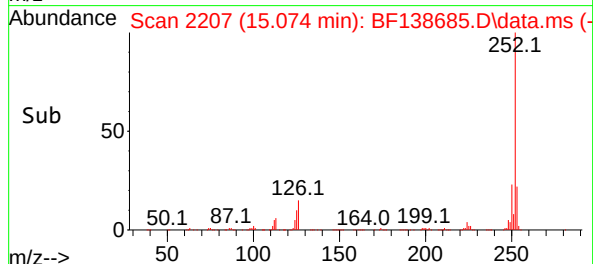
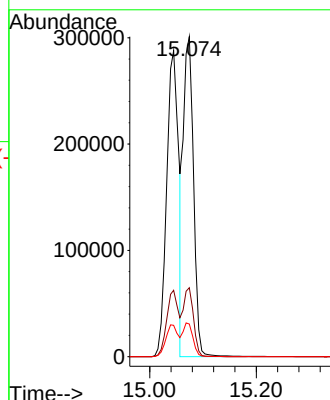
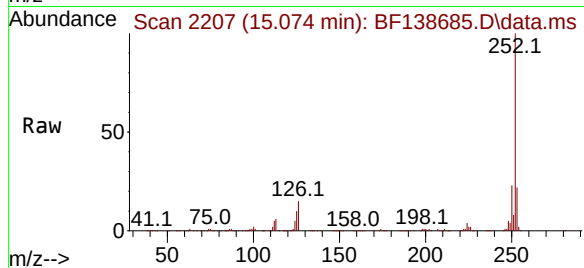
Tgt Ion:252 Resp: 402008

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

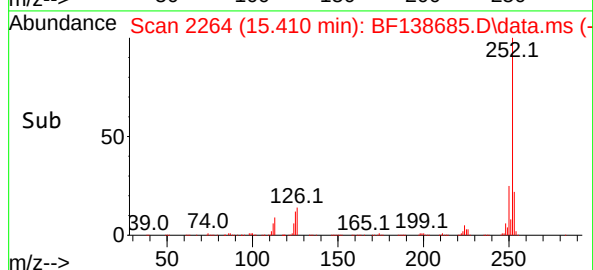
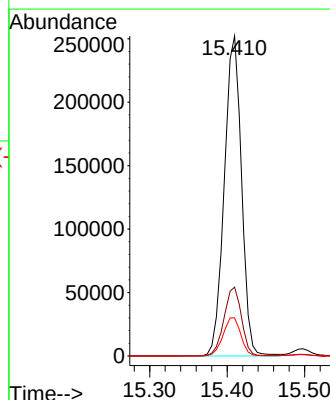
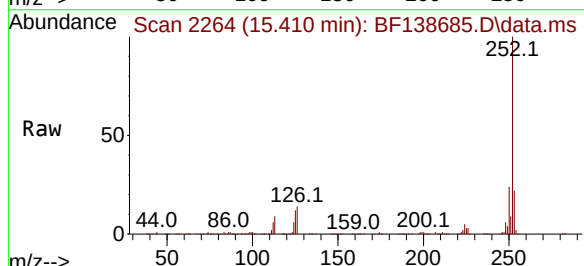
Tgt Ion:252 Resp: 389298

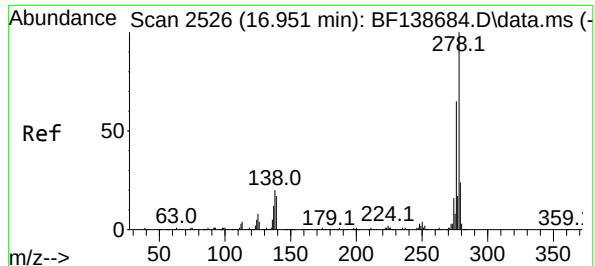
Ion Ratio Lower Upper

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

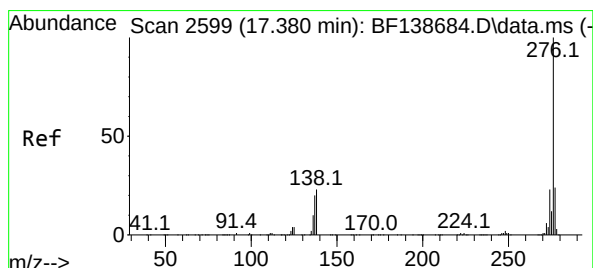
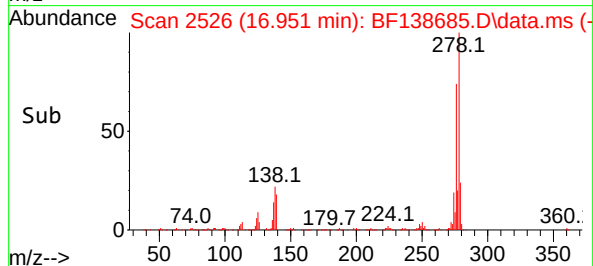
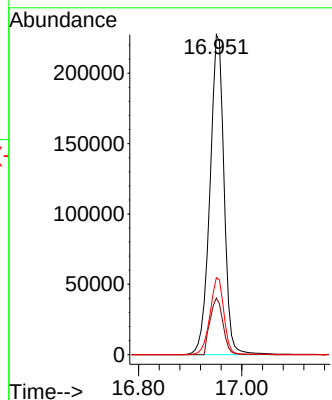
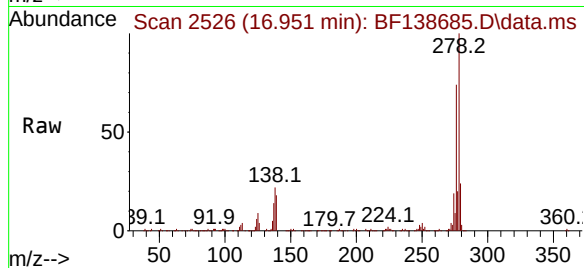
Tgt Ion:278 Resp: 432604

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

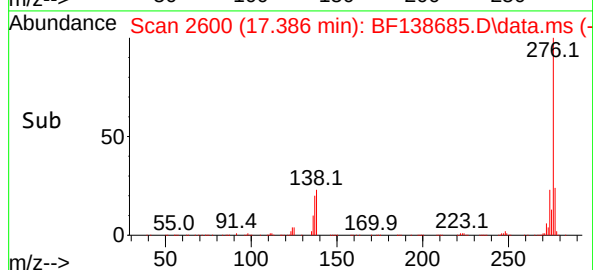
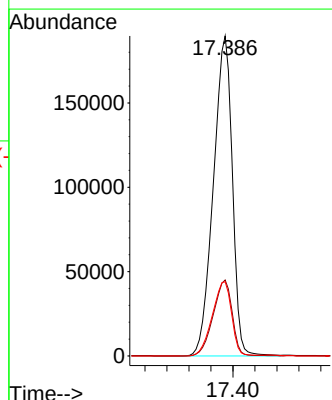
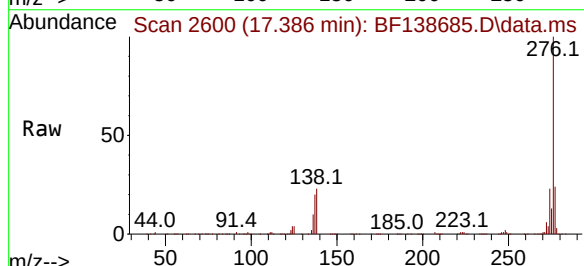
Tgt Ion:276 Resp: 453886

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

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)
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

Abundance

TIC: BF138686.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodiphenylamine

2-Fluorophenol, S

Phenol, C

Phenol-d6, S

Bis(2-Chloroethyl)ether

Aniline

2-Chlorophenol

1,3-Dichlorobenzene, C

1,3-Dichlorobenzene-d4

2,2-Dichloropropane

Hexachlorobenzene

Nitrobenzene-d5, S

Nitrobenzene

2-Nitrophenol, C

2-Nitrophenol

2,4-Dichlorophenol, C

2,4-Dichlorophenol-d4

Naphthalene

Hexachlorobutadiene, C

Caprolactam

4-Chloro-3-methylphenol, C

Hexachlorocyclopentadiene

1,2,3,4-Tetrachlorobenzene

2,4,5-Trichlorophenol, C

2-Nitroaniline

2,6-Dichlorophthalate

2,4-Dinitrophenol

2,3,4,6-Tetrachlorophthalate

4-Nitrophenol

2,4,6-Trichlorophenol, S

4-Chlorophenylphenylether

Hexachlorobenzene

Phenanthrene

2,3,4,6-Tetrachlorophthalate

4-Nitrophenol

2,4,6-Trichlorophenol, S

4-Chlorophenylphenylether

Fluoranthene, C

Pyrene

Terphenyl-d14, S

Butylbenzylphthalate

3,3-Dichlorobenzidine

Chrysene

Di-n-octyl phthalate, c

Di-n-octyl phthalate, c

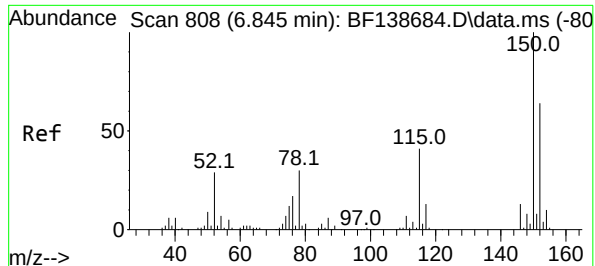
Benzo(a)pyrene

Benzo(a)pyrene, C

Benzo(a)pyrene, C

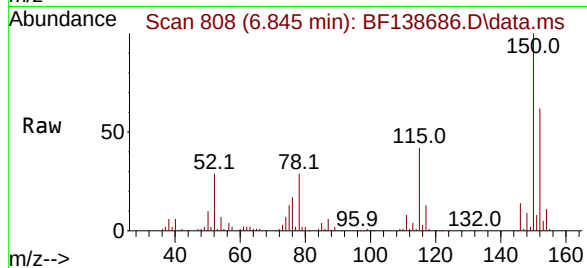
Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

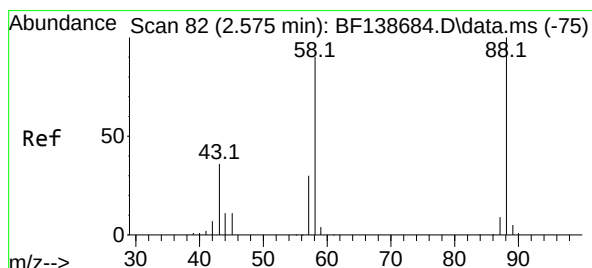
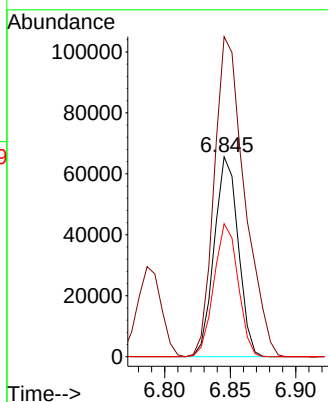
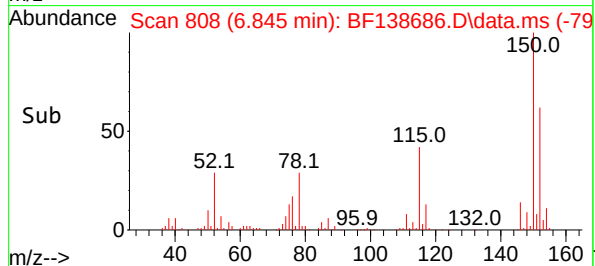


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

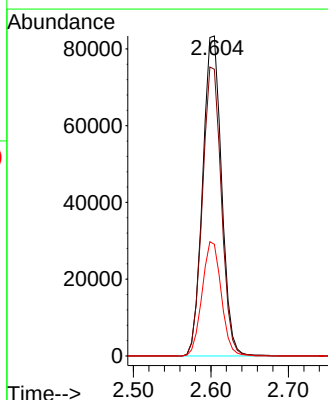
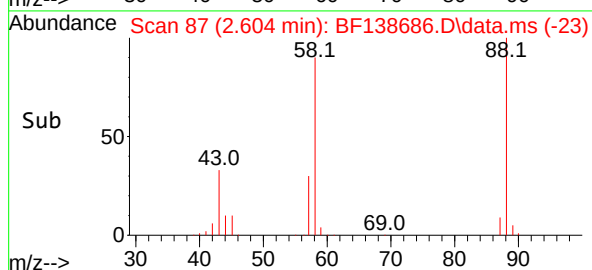
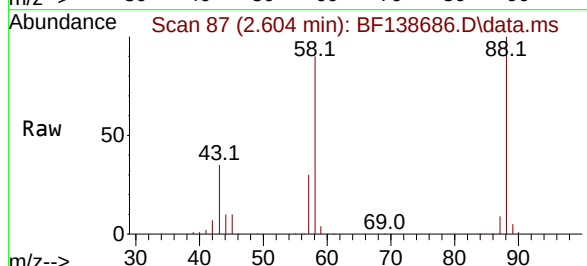


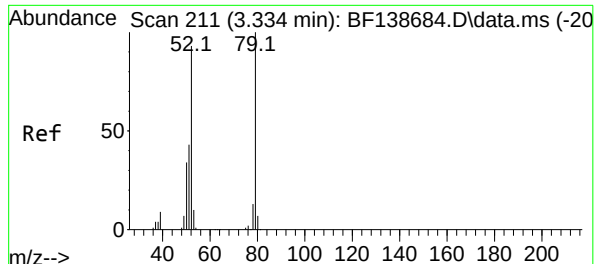
Tgt Ion:152 Resp: 83492
Ion Ratio Lower Upper
152 100
150 160.2 126.0 189.0
115 66.6 51.7 77.5



#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 :

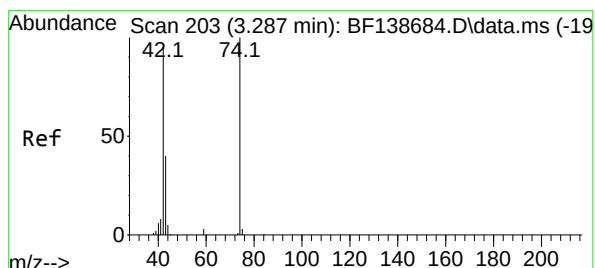
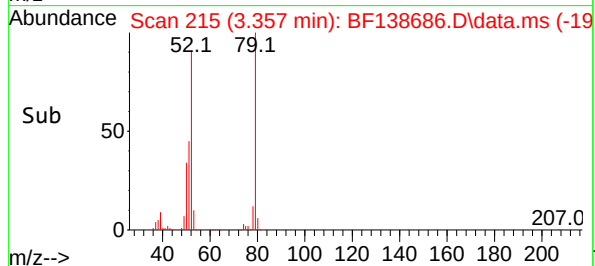
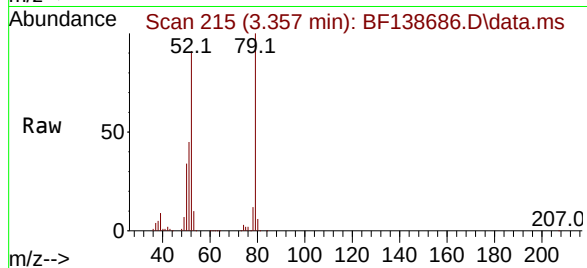
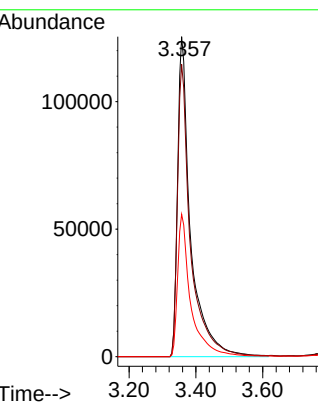
BNA_F

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

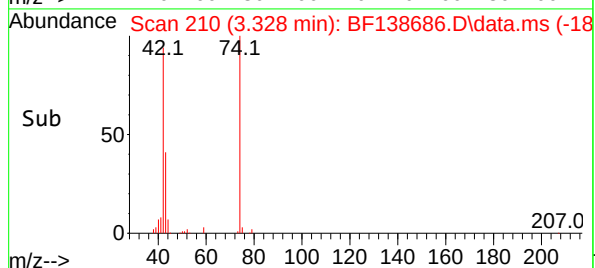
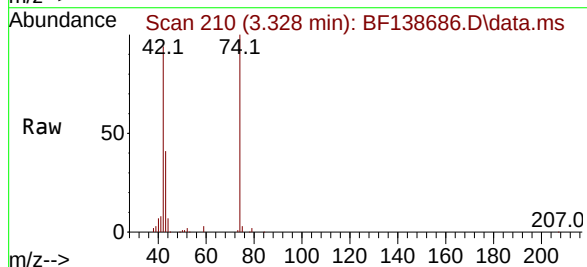
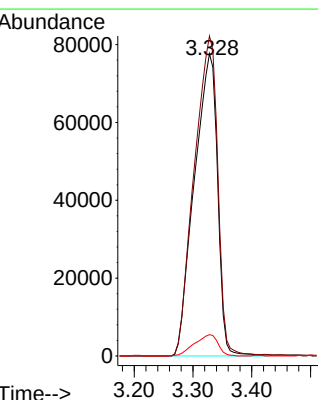
Delta R.T. 0.041 min

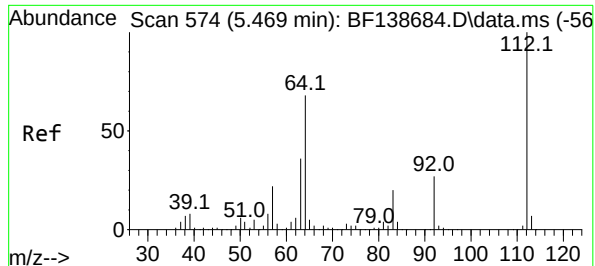
Lab File: BF138686.D

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

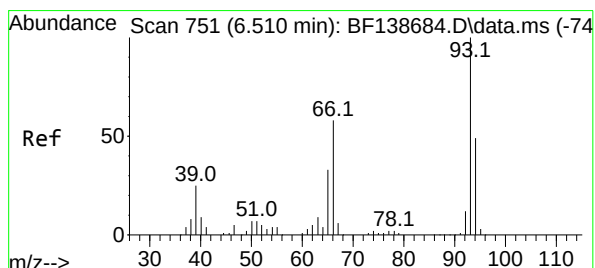
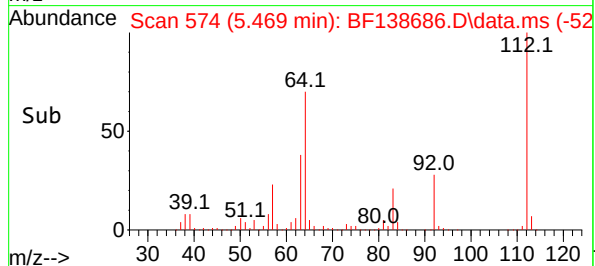
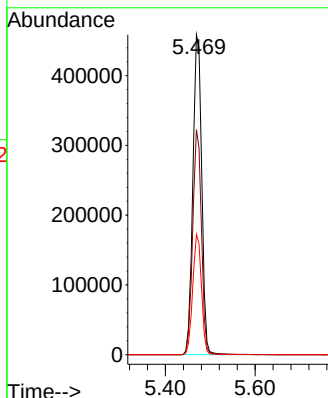
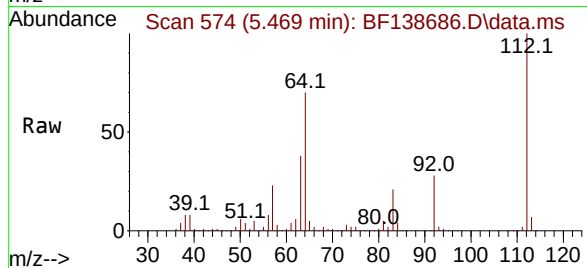




#5
2-Fluorophenol
Concen: 116.311 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

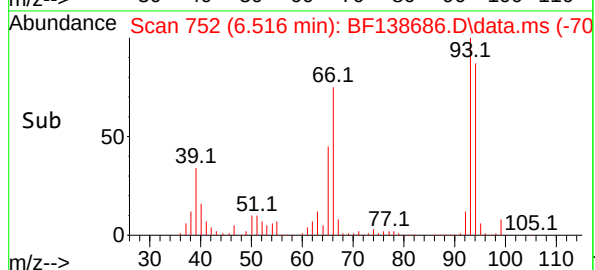
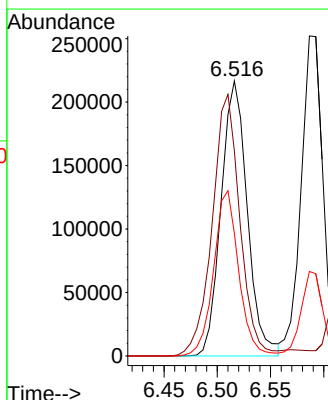
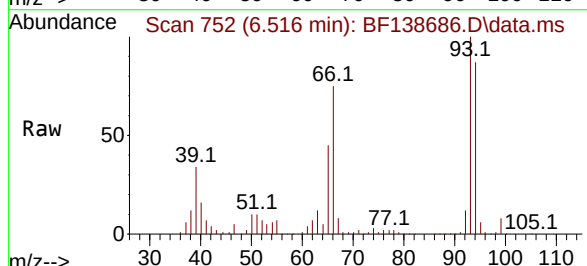
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

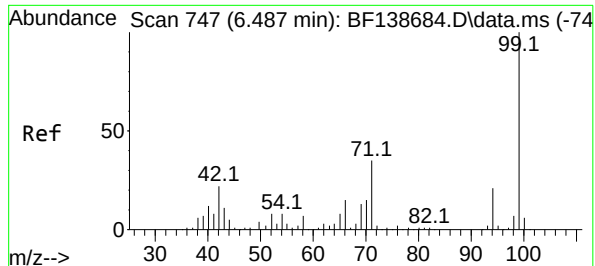
Tgt Ion:112 Resp: 629095
Ion Ratio Lower Upper
112 100
64 70.3 54.2 81.4
63 37.6 28.7 43.1



#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# 747

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

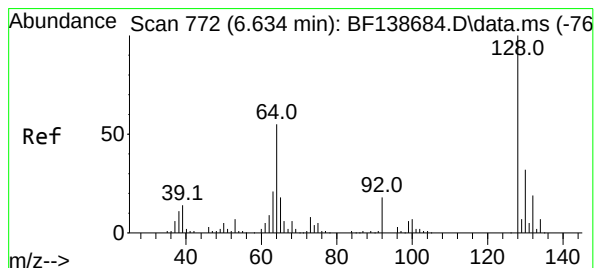
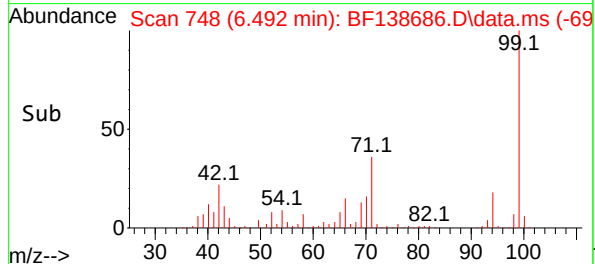
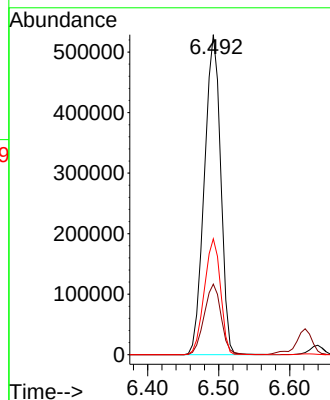
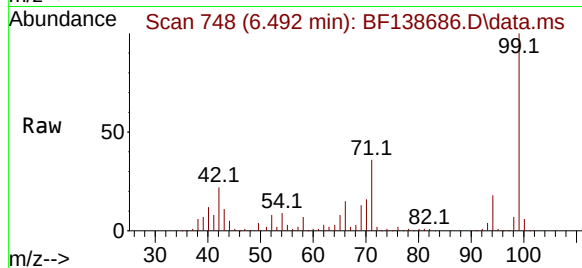
BNA_F

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

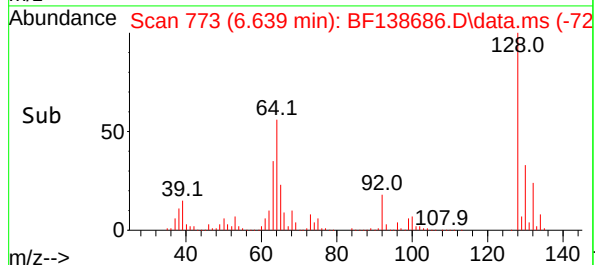
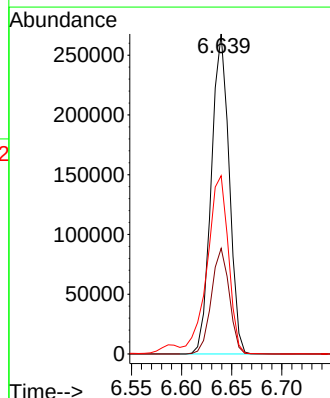
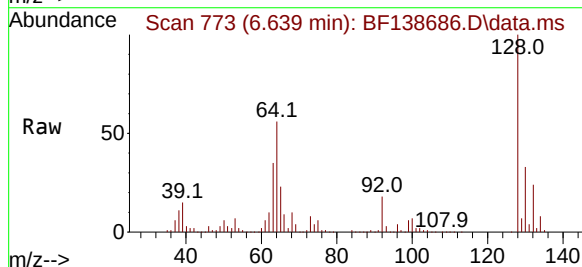
Delta R.T. 0.006 min

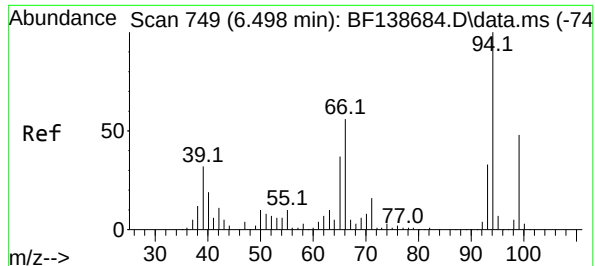
Lab File: BF138686.D

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

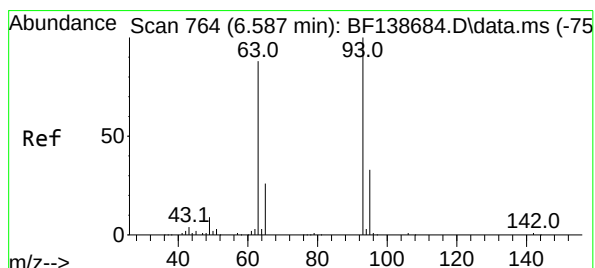
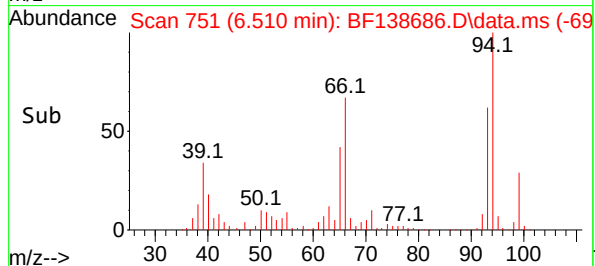
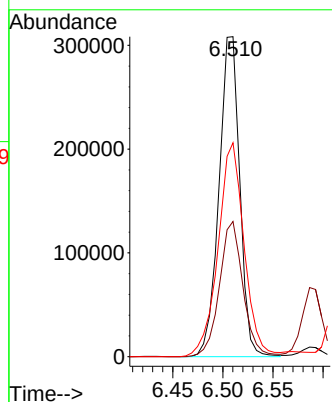
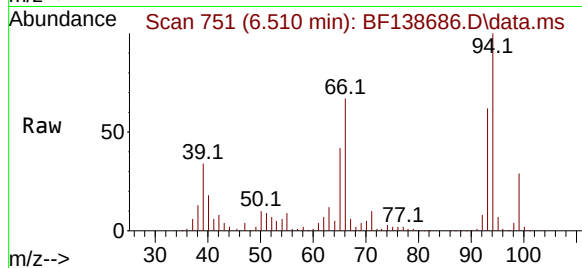
Tgt Ion: 94 Resp: 443551

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

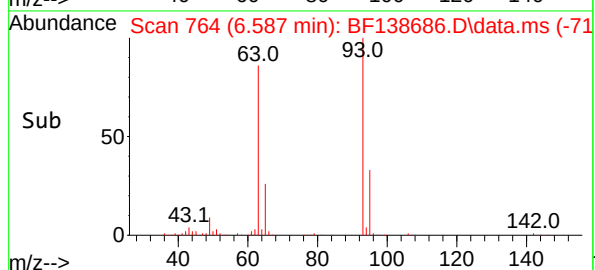
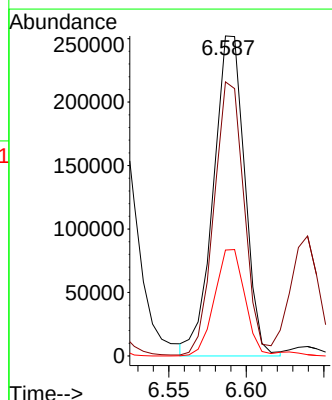
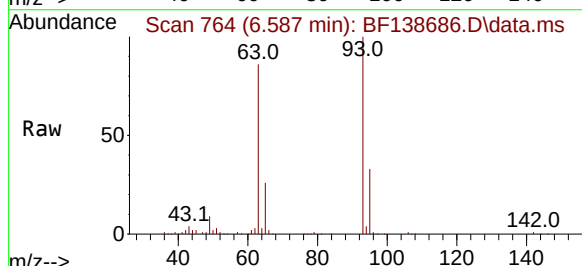
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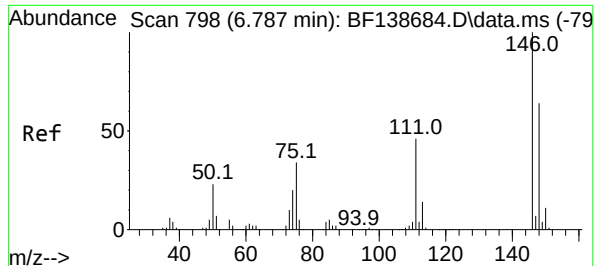
Ion Ratio Lower Upper

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

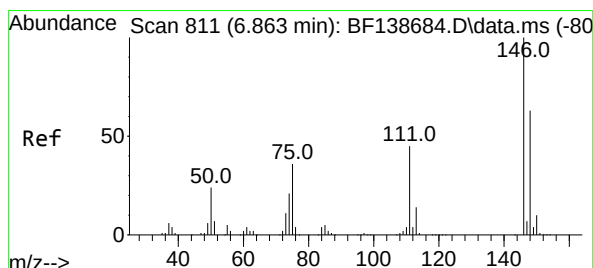
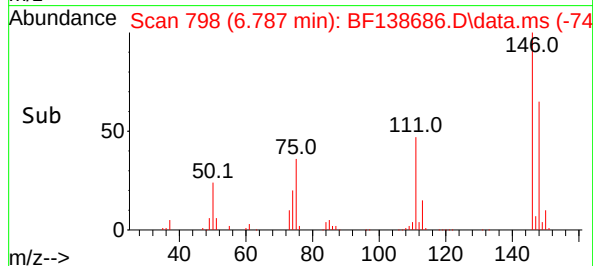
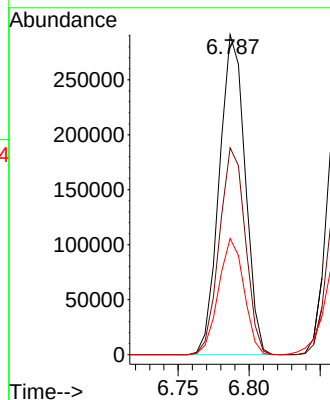
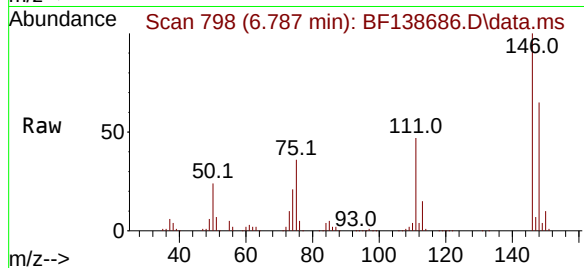
Tgt Ion:146 Resp: 367637

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

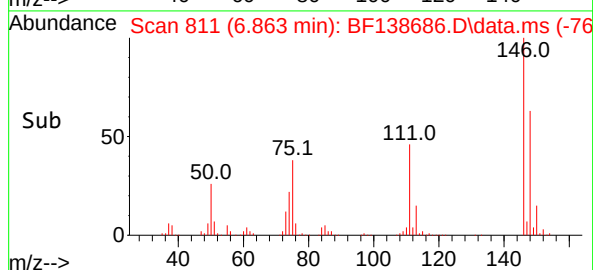
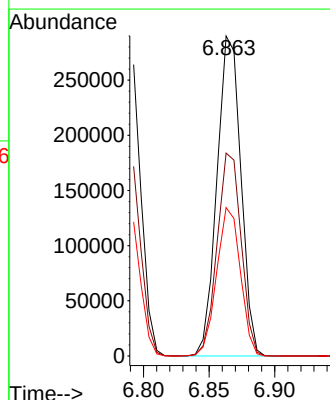
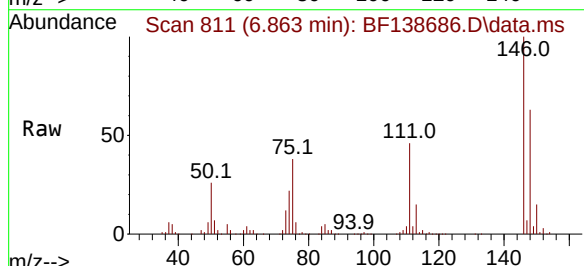
Tgt Ion:146 Resp: 368108

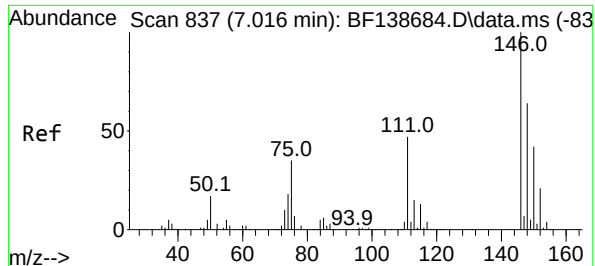
Ion Ratio Lower Upper

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

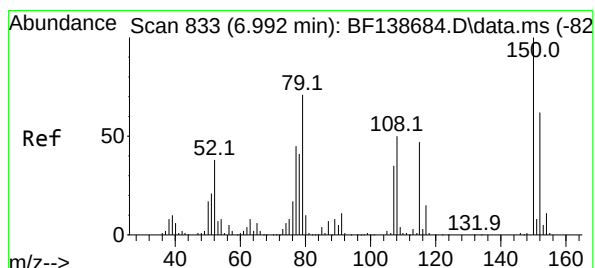
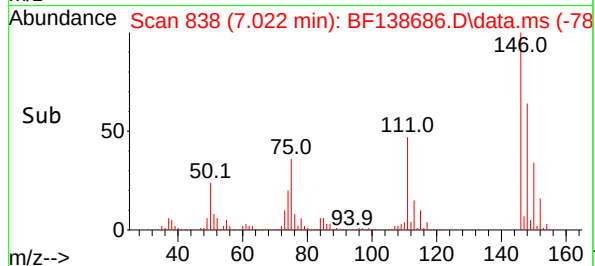
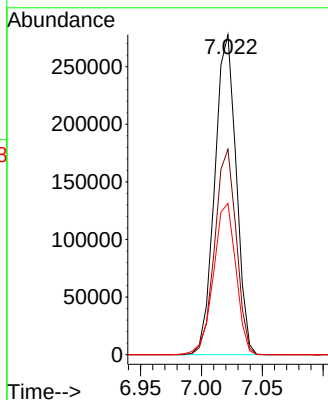
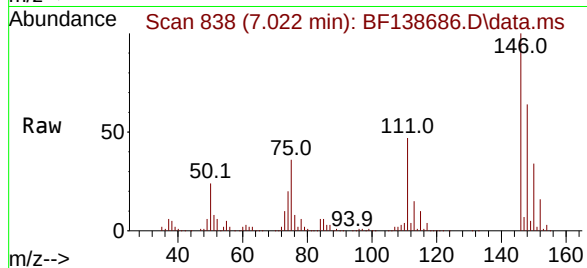
Tgt Ion:146 Resp: 340797

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

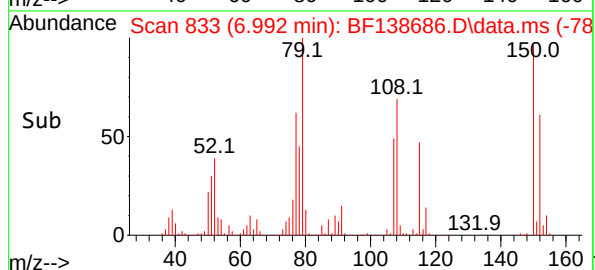
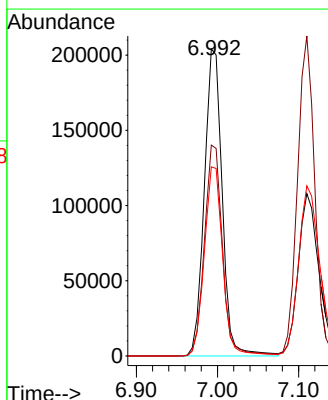
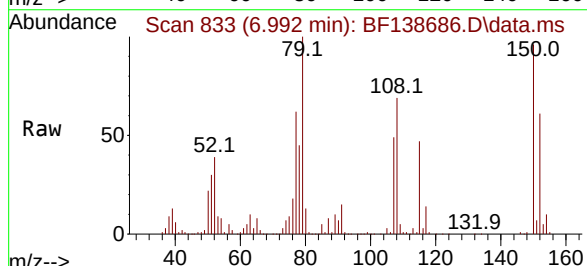
Tgt Ion: 79 Resp: 312171

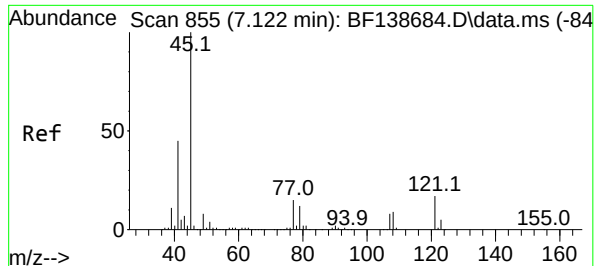
Ion Ratio Lower Upper

79 100

108 68.7 56.6 85.0

77 61.6 50.3 75.5

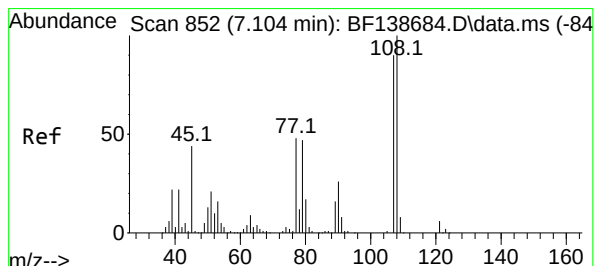
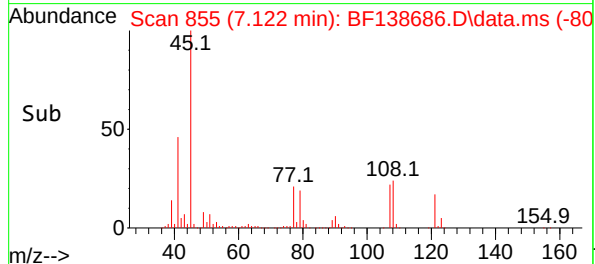
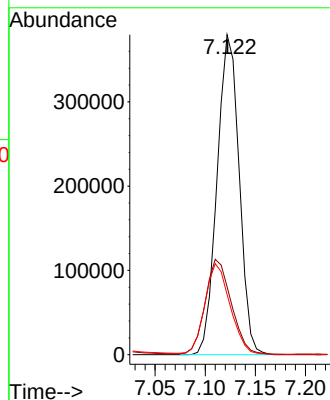
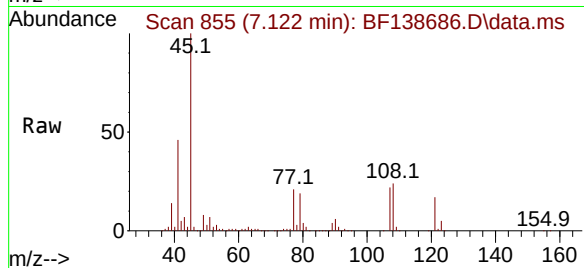




#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.327 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

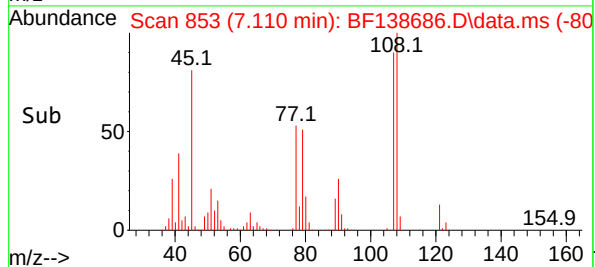
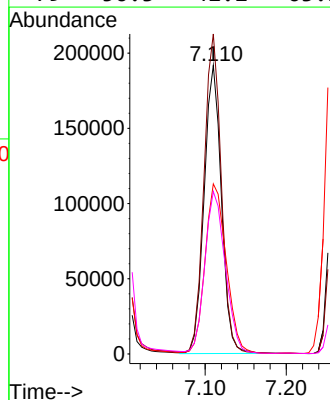
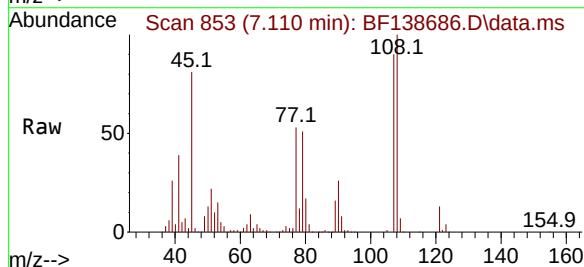
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

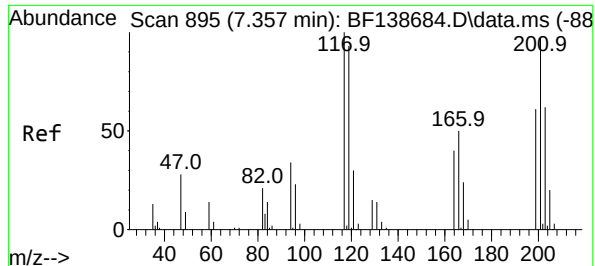
Tgt Ion: 45 Resp: 580475
Ion Ratio Lower Upper
45 100
77 21.2 0.0 34.9
79 18.8 0.0 32.2



#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

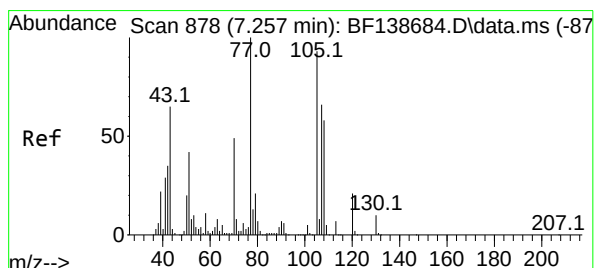
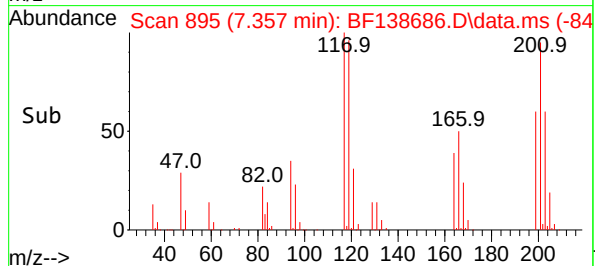
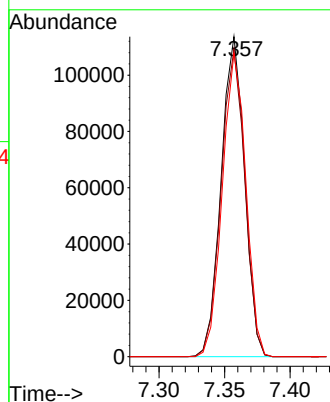
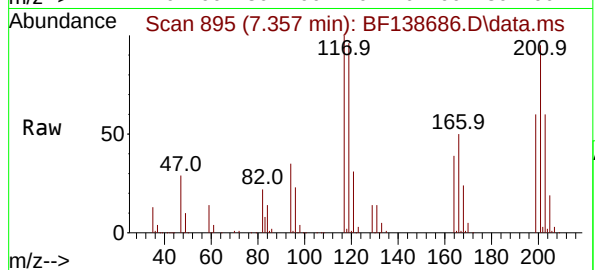
Tgt Ion:117 Resp: 141381

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

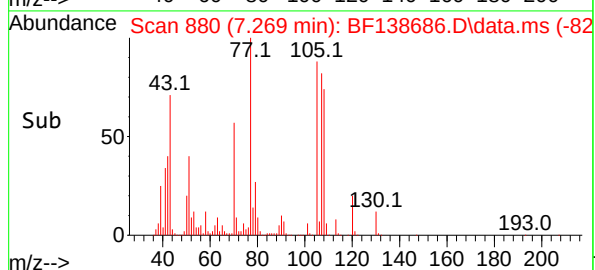
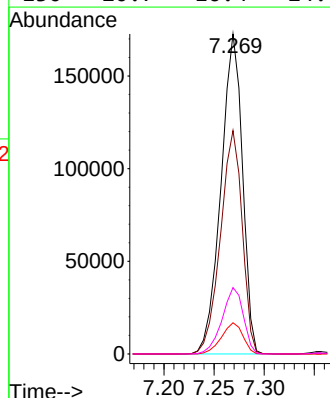
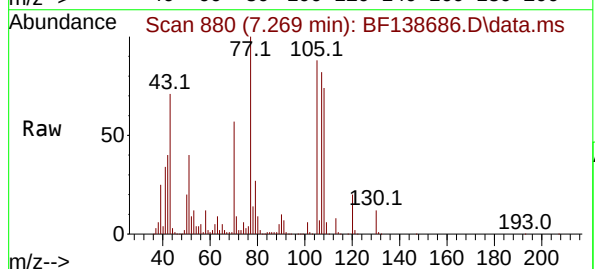
Ion Ratio Lower Upper

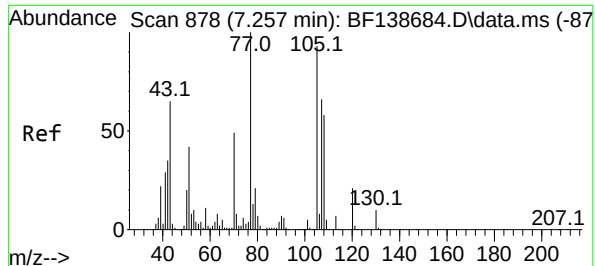
70 100

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

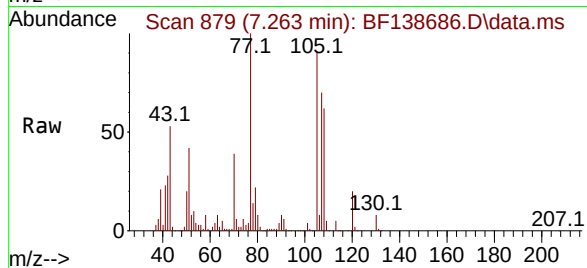
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

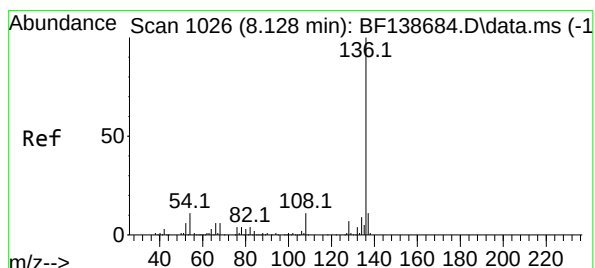
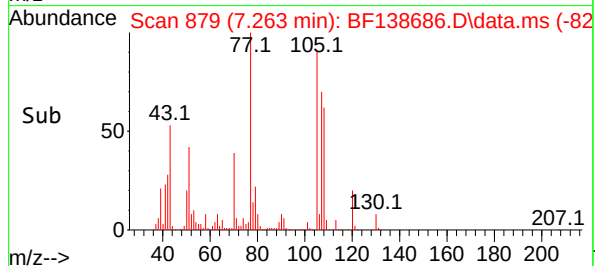
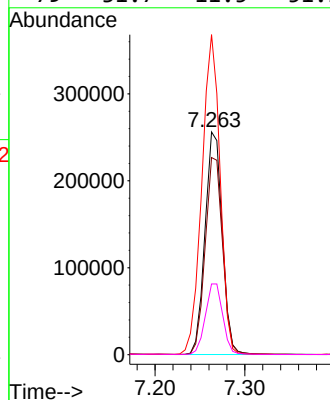
ClientSampleId :

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

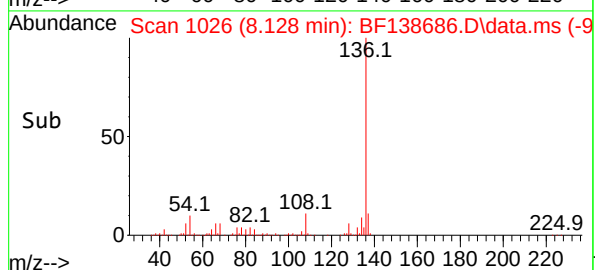
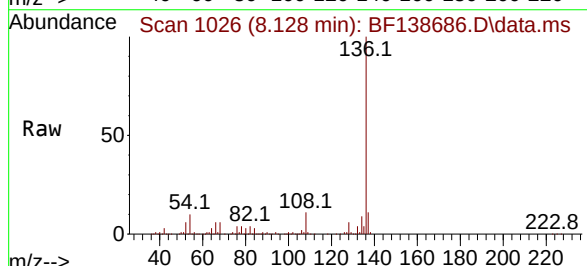
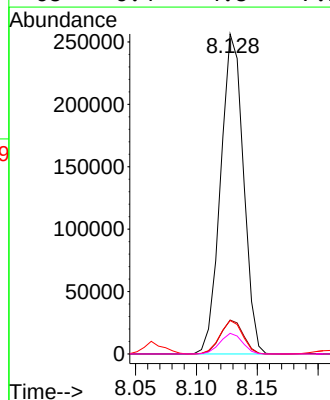
Delta R.T. -0.000 min

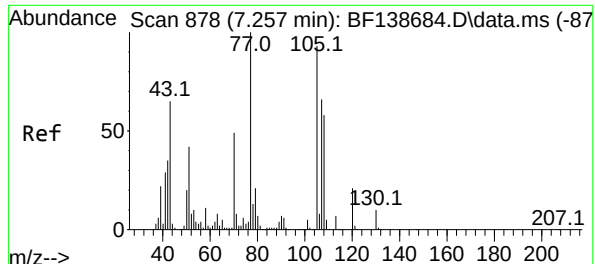
Lab File: BF138686.D

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

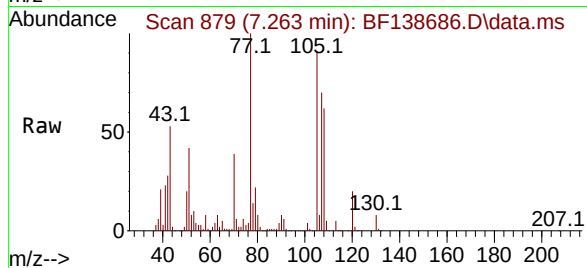
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:105 Resp: 477062

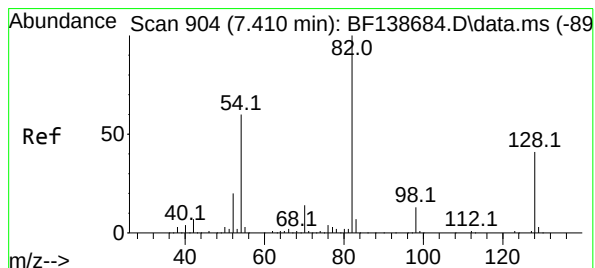
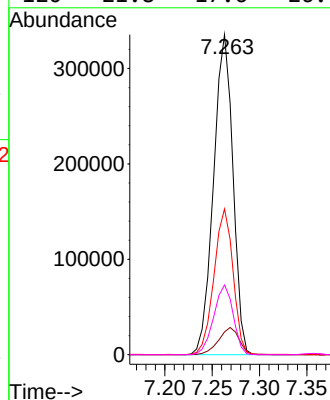
Ion Ratio Lower Upper

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

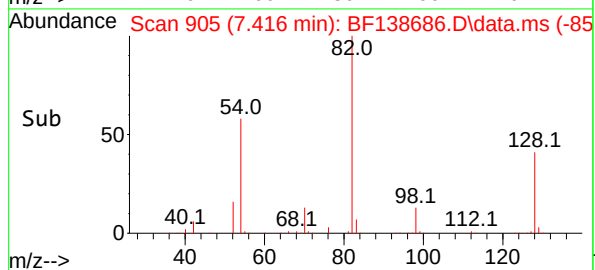
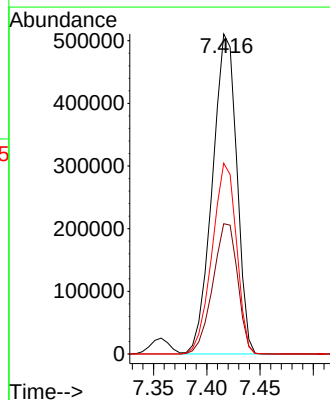
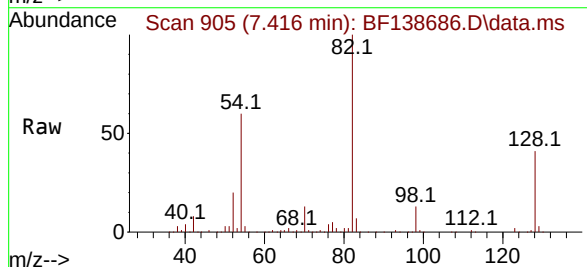
Tgt Ion: 82 Resp: 813835

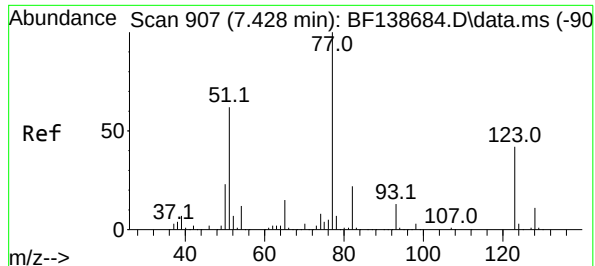
Ion Ratio Lower Upper

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 :

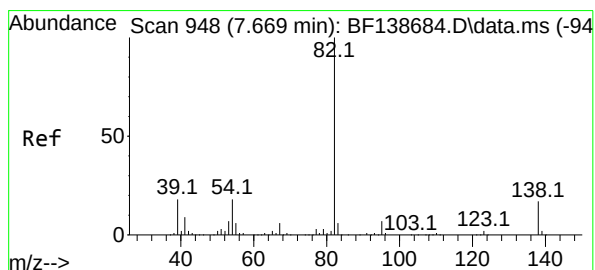
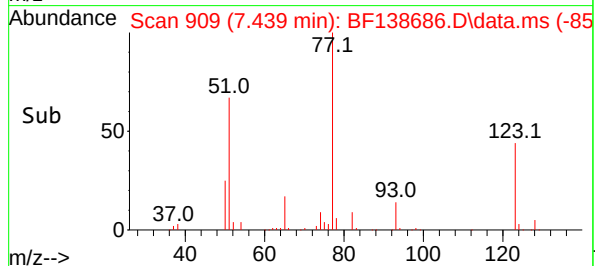
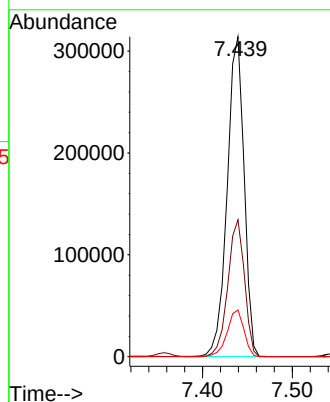
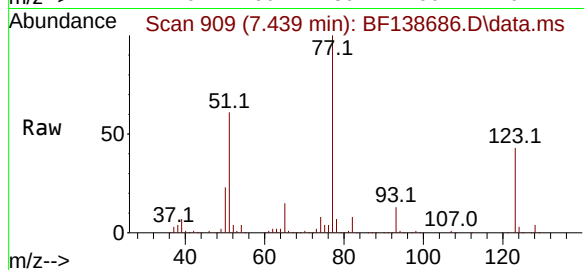
BNA_F

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

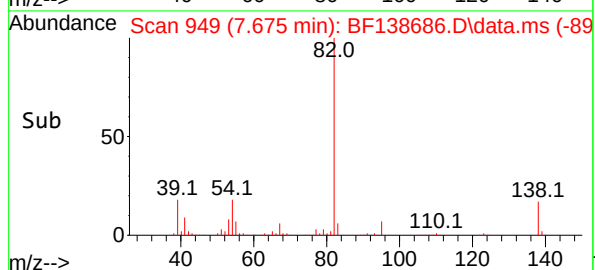
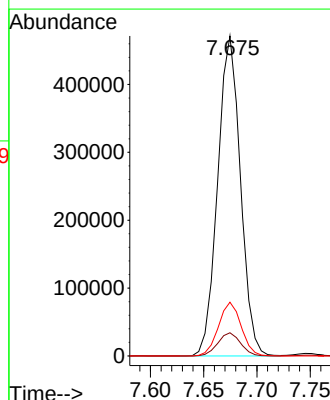
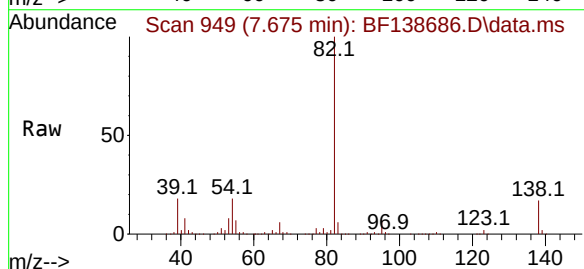
Delta R.T. 0.006 min

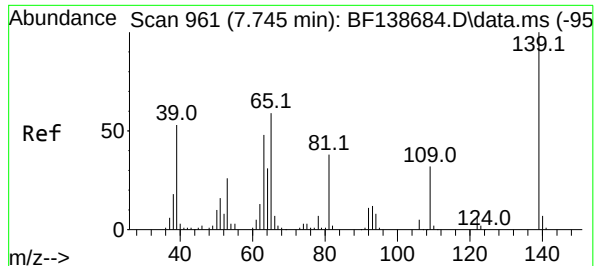
Lab File: BF138686.D

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

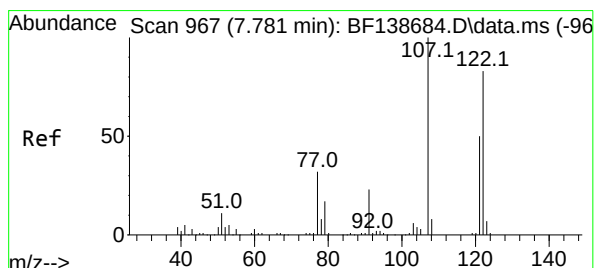
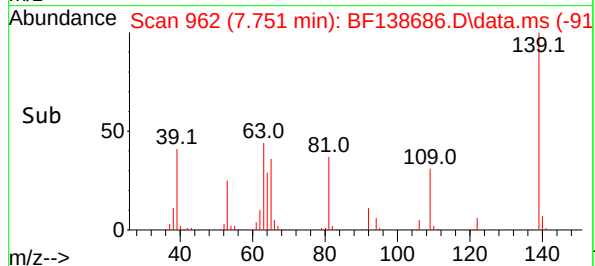
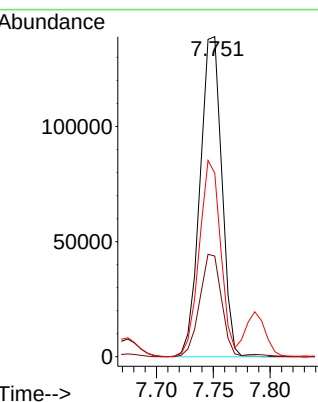
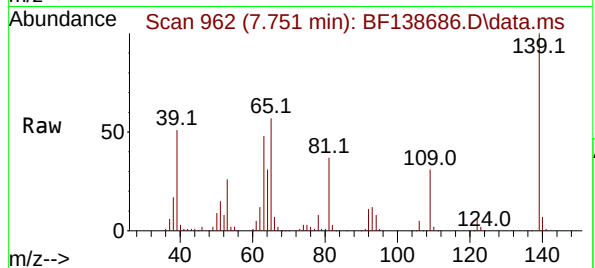
Tgt Ion:139 Resp: 185196

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

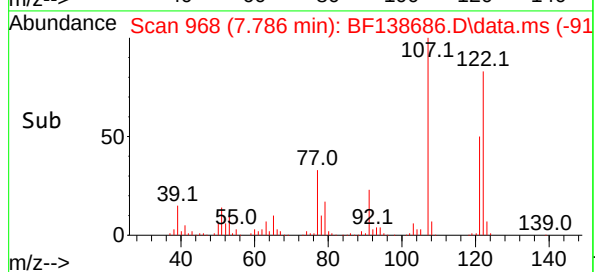
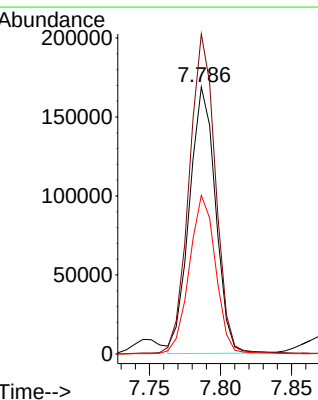
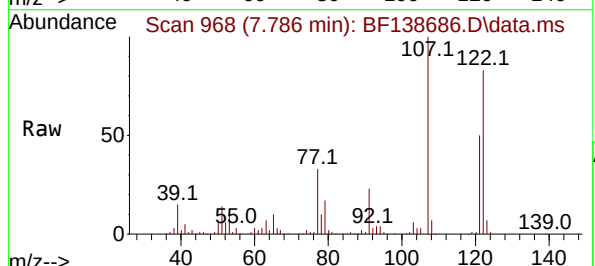
Tgt Ion:122 Resp: 216101

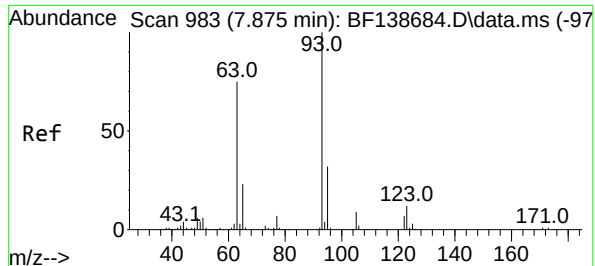
Ion Ratio Lower Upper

122 100

107 119.8 95.0 142.6

121 59.4 47.3 70.9

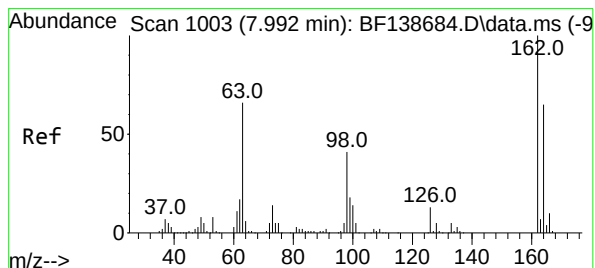
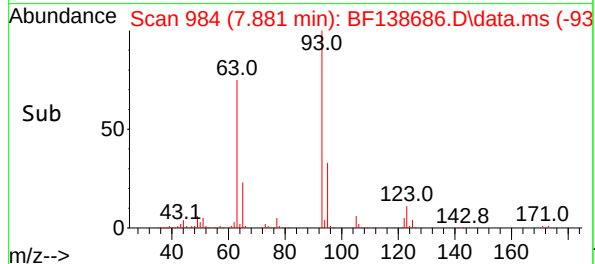
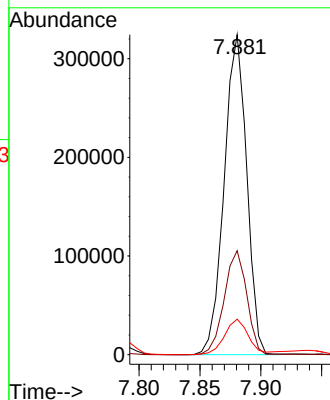
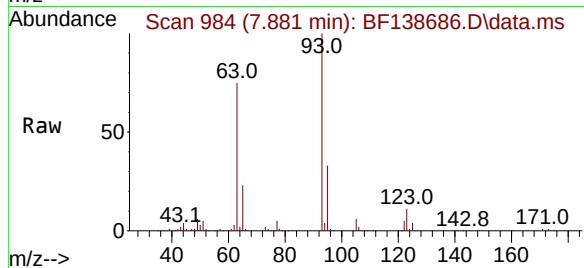




#28
bis(2-Chloroethoxy)methane
Concen: 58.667 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

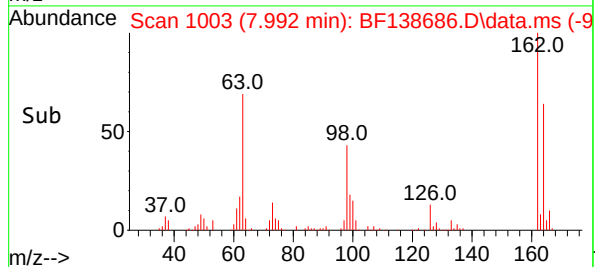
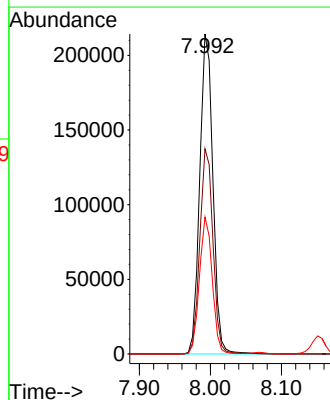
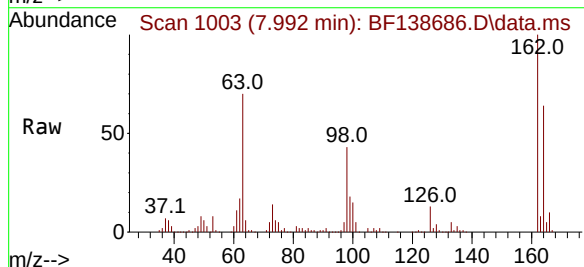
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

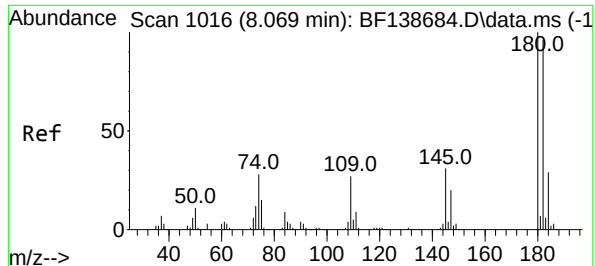
Tgt Ion: 93 Resp: 417700
Ion Ratio Lower Upper
93 100
95 32.5 25.8 38.8
123 11.1 9.4 14.0



#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

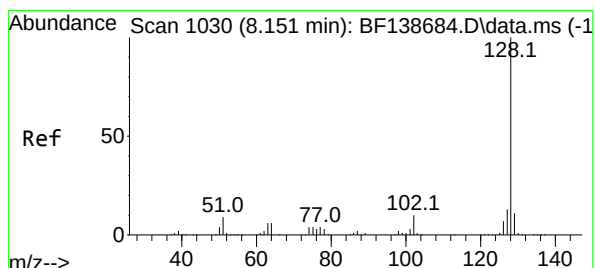
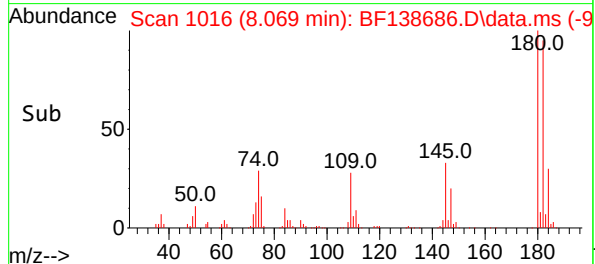
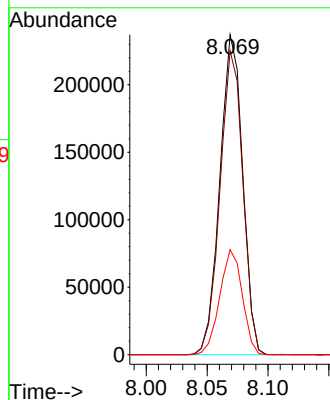
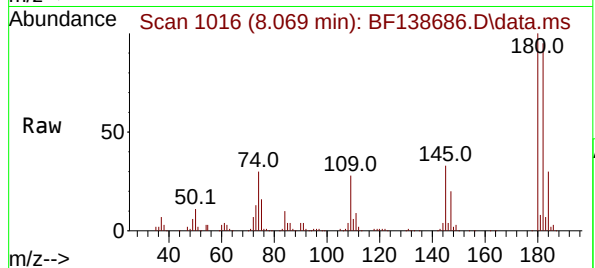




#30
1,2,4-Trichlorobenzene
Concen: 58.085 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

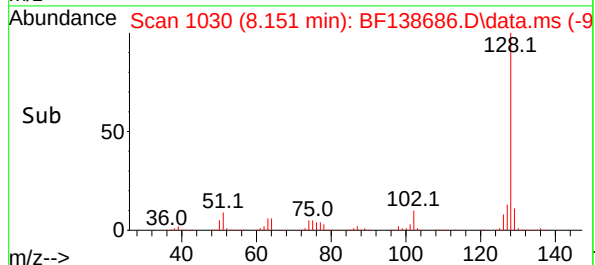
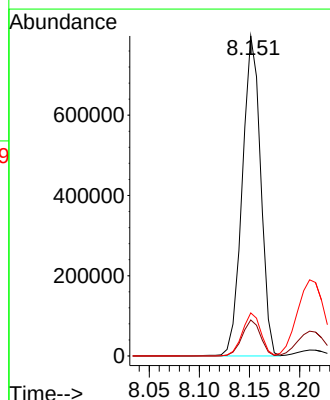
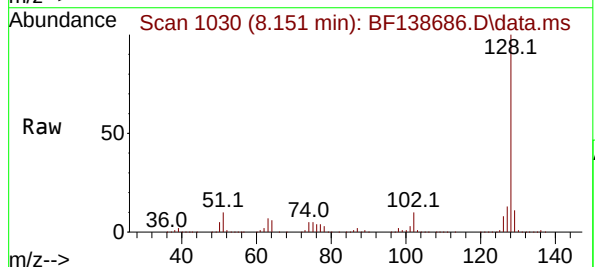
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

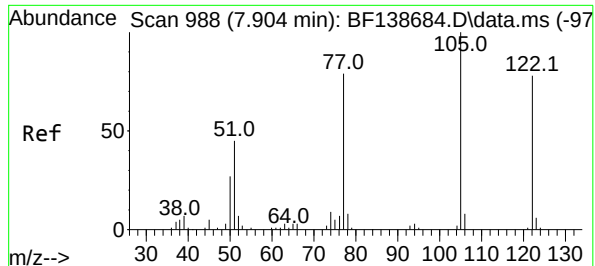
Tgt Ion:180 Resp: 308922
Ion Ratio Lower Upper
180 100
182 95.0 76.9 115.3
145 32.9 25.0 37.4



#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

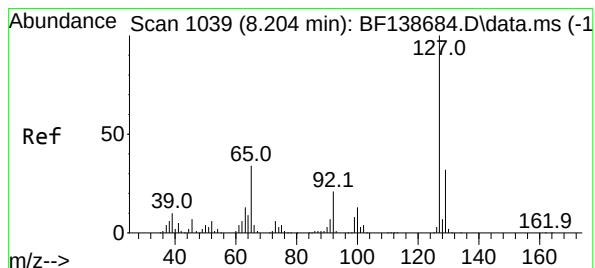
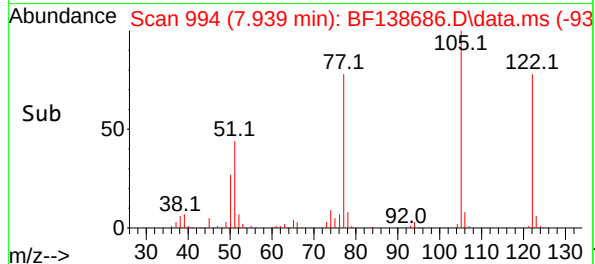
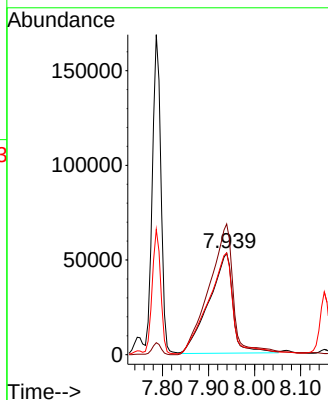
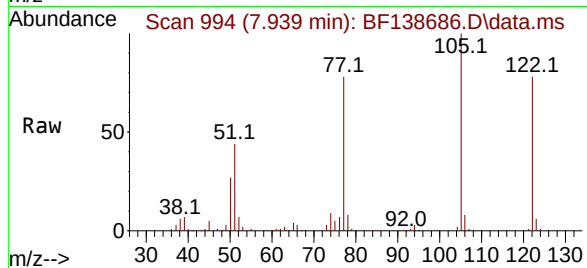




#32
Benzoic acid
Concen: 67.875 ng
RT: 7.939 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

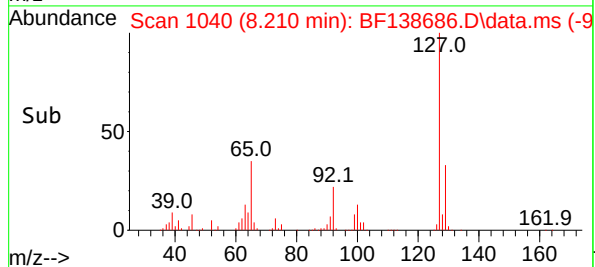
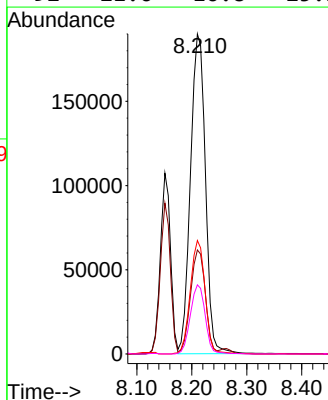
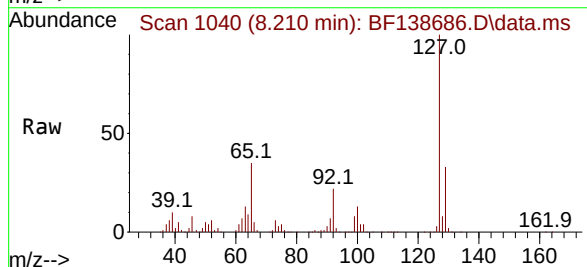
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

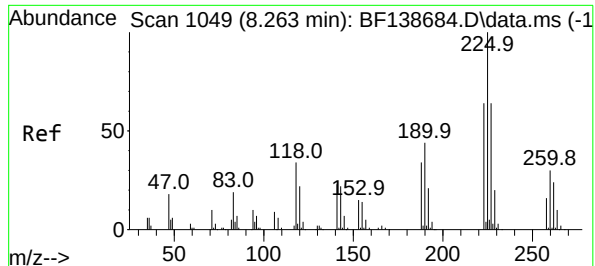
Tgt Ion:122 Resp: 191273
Ion Ratio Lower Upper
122 100
105 128.7 106.7 146.7
77 100.2 81.1 121.1



#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

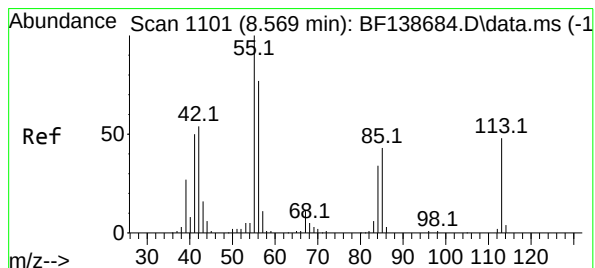
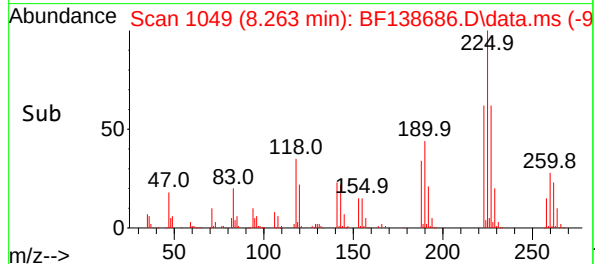
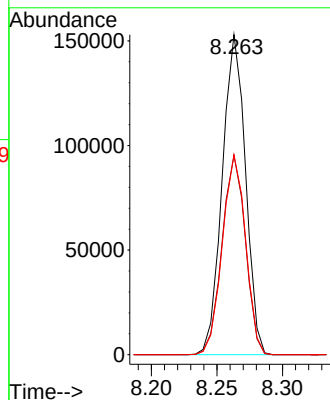
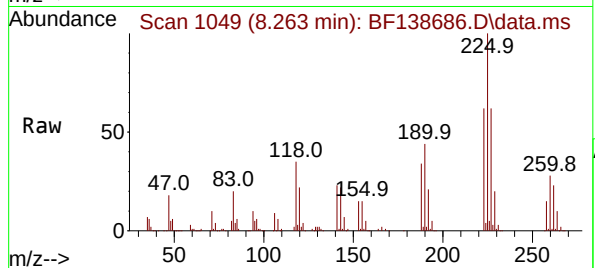




#34
Hexachlorobutadiene
Concen: 58.445 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

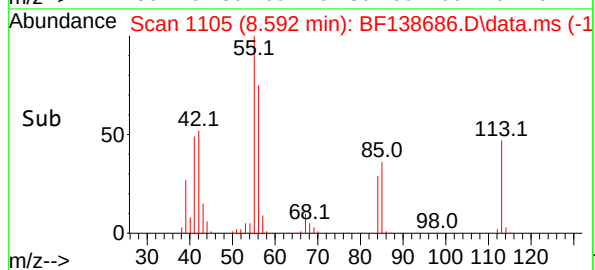
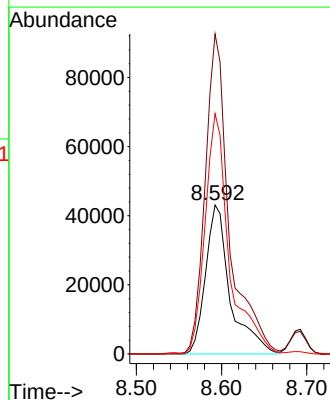
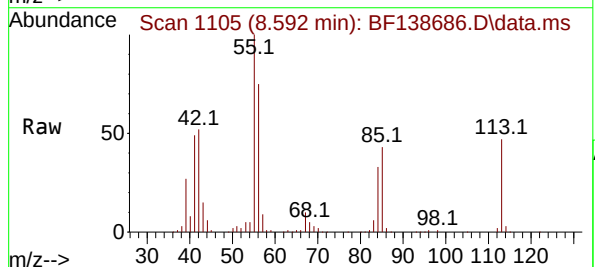
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

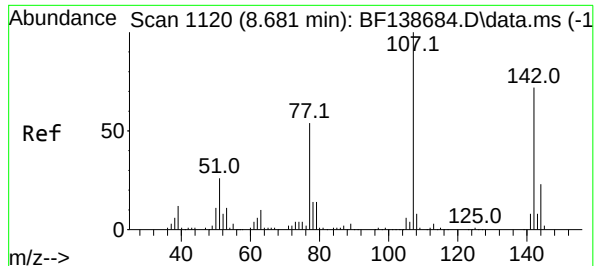
Tgt Ion:225 Resp: 188273
Ion Ratio Lower Upper
225 100
223 62.4 51.2 76.8
227 62.3 51.1 76.7



#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

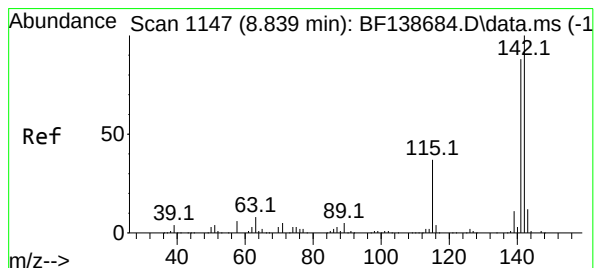
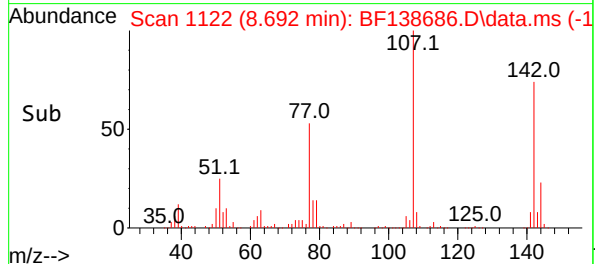
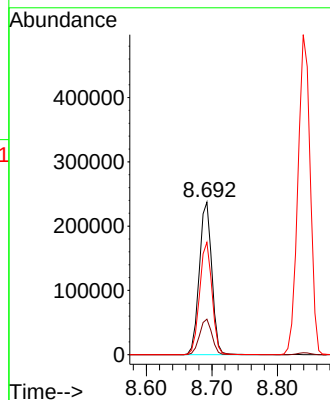
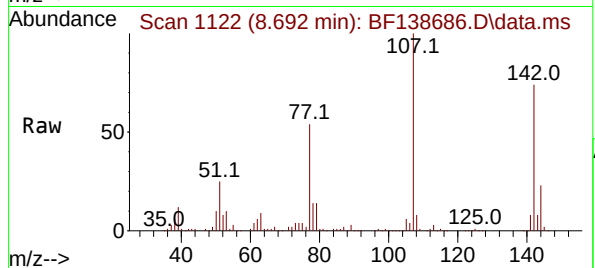




#36
4-Chloro-3-methylphenol
Concen: 59.904 ng
RT: 8.692 min Scan# 1120
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

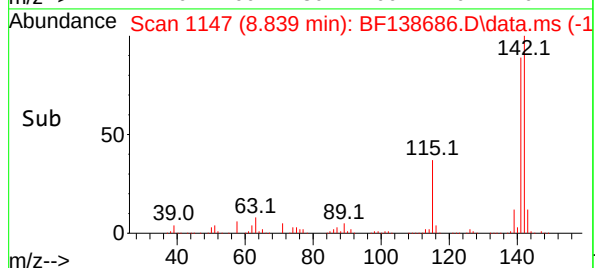
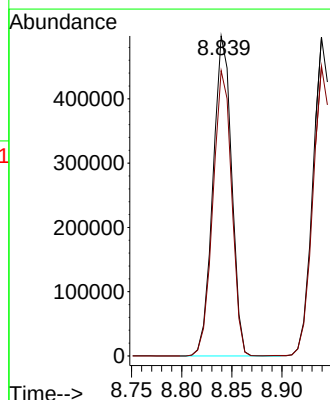
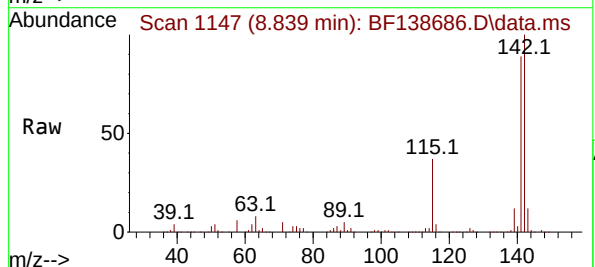
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

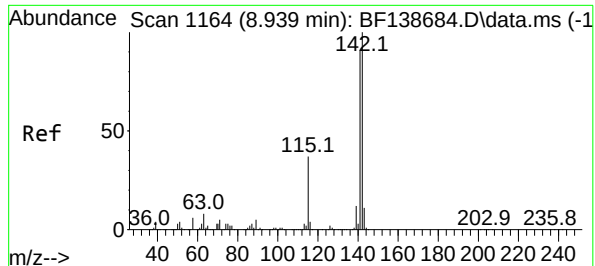
Tgt Ion:107 Resp: 315510
Ion Ratio Lower Upper
107 100
144 23.3 18.2 27.2
142 73.7 57.4 86.2



#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 :

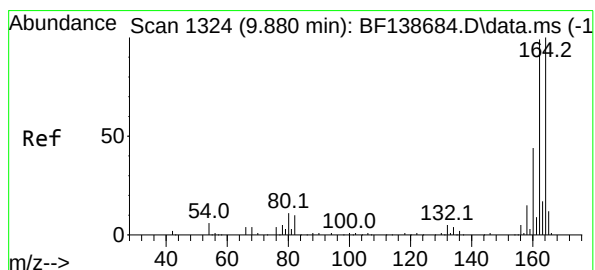
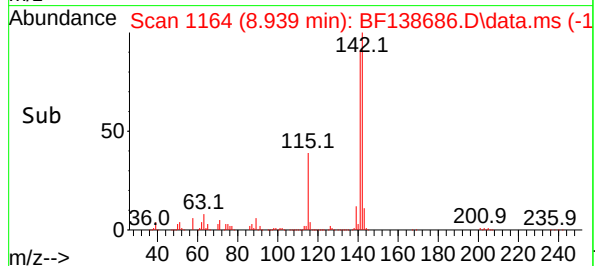
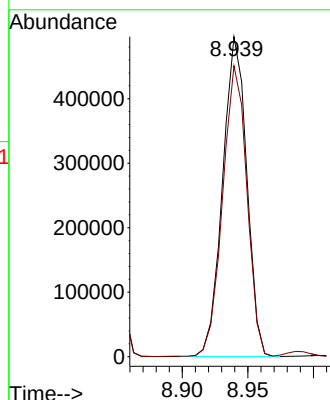
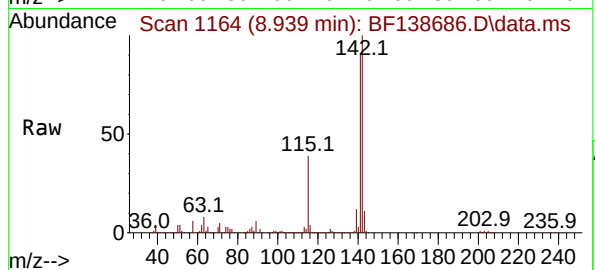
SSTDICC060

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

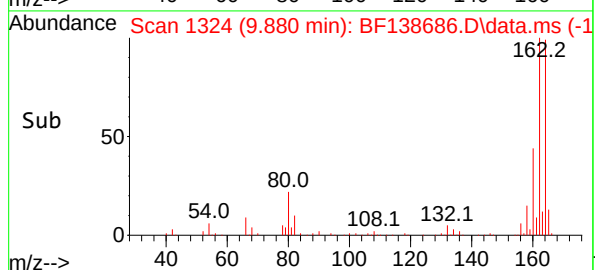
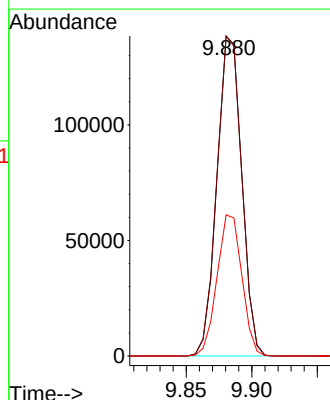
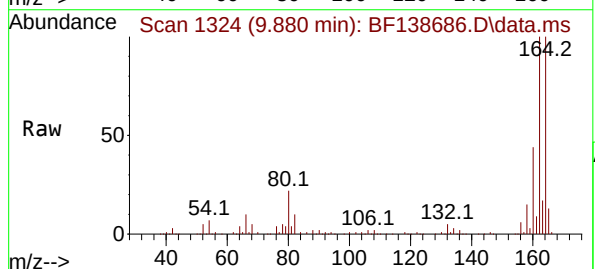
Tgt Ion:164 Resp: 181338

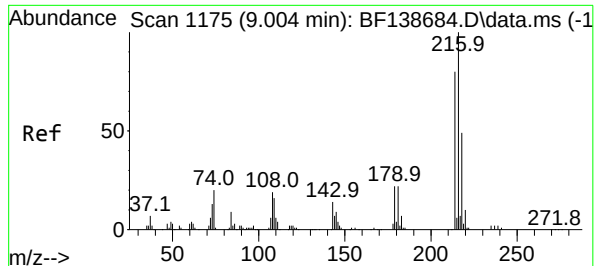
Ion Ratio Lower Upper

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

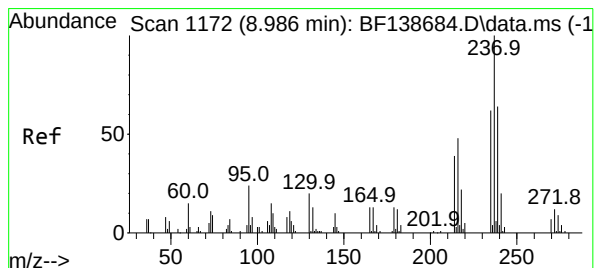
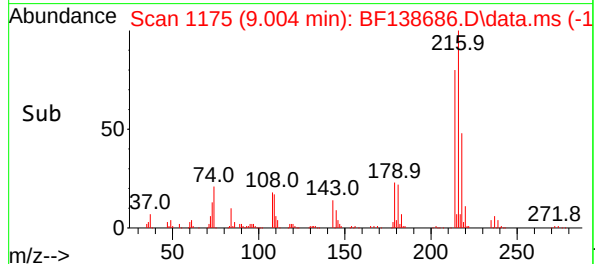
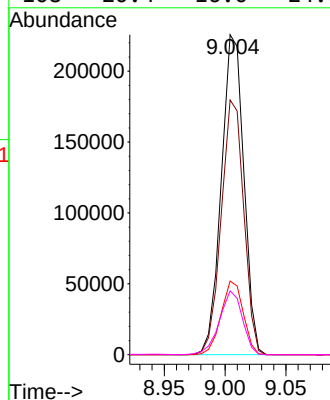
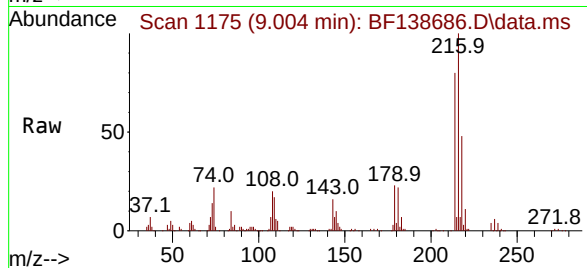
Ion Ratio Lower Upper

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

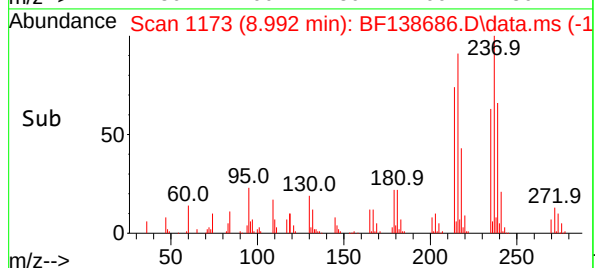
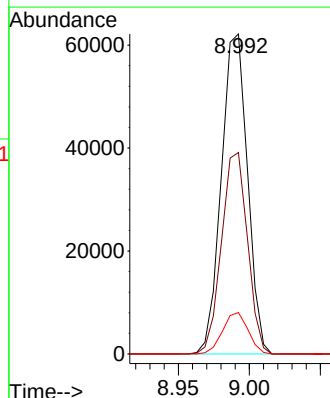
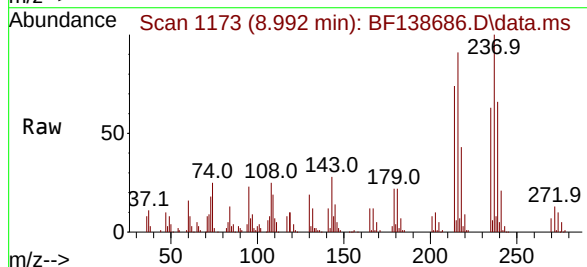
Tgt Ion:237 Resp: 79605

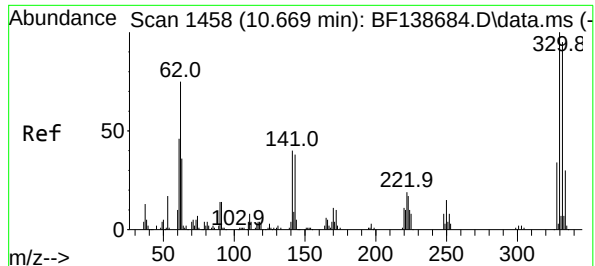
Ion Ratio Lower Upper

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

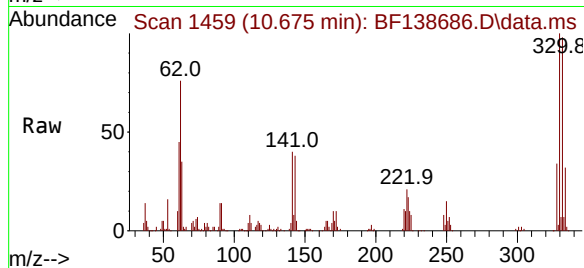
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



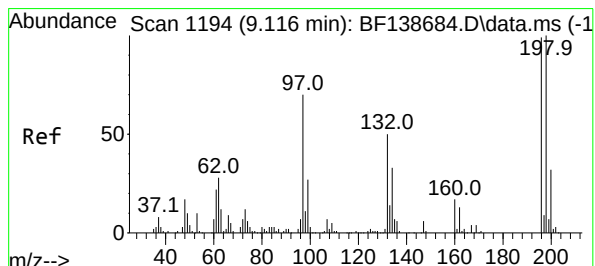
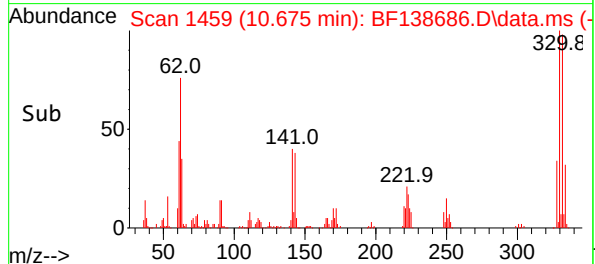
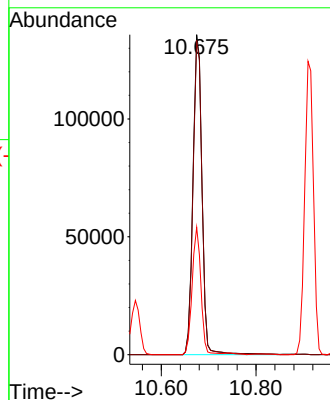
Tgt Ion:330 Resp: 180537

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

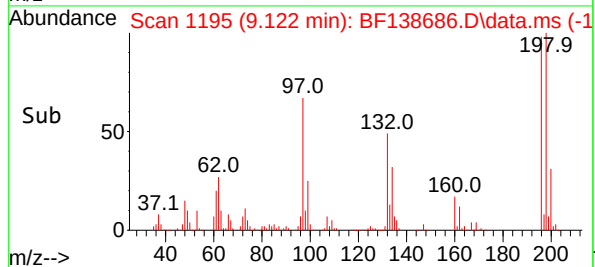
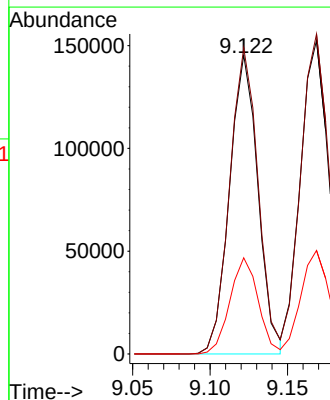
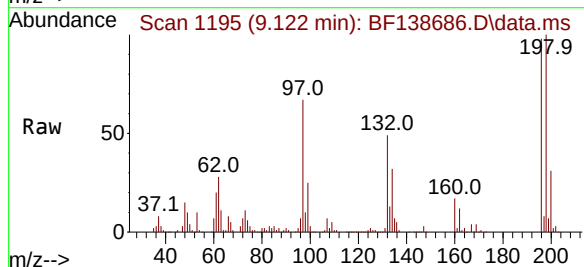
Tgt Ion:196 Resp: 185606

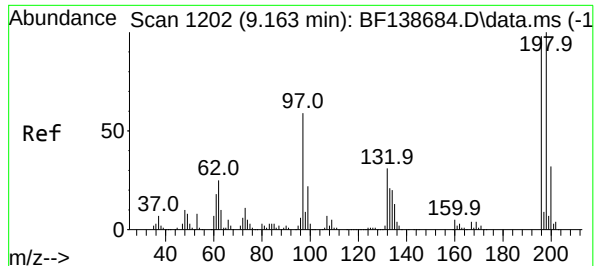
Ion Ratio Lower Upper

196 100

198 102.4 80.5 120.7

200 32.1 25.9 38.9

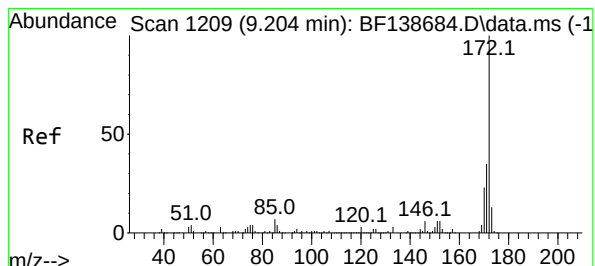
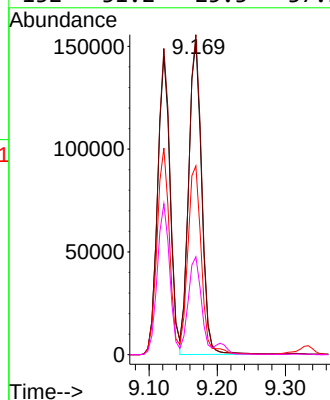
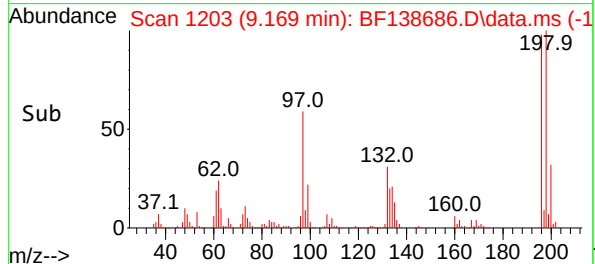
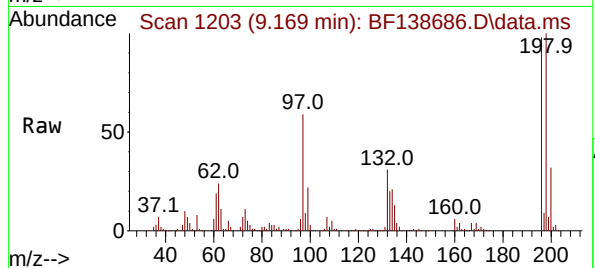




#44
2,4,5-Trichlorophenol
Concen: 59.615 ng
RT: 9.169 min Scan# 1202
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

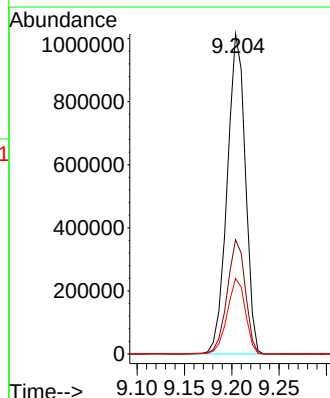
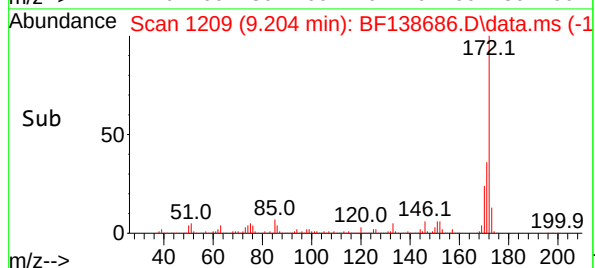
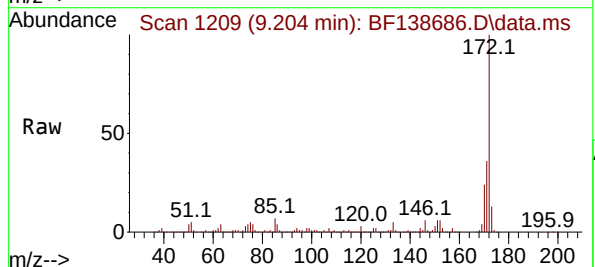
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

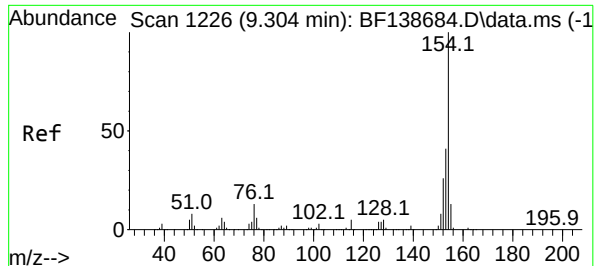
Tgt Ion:196 Resp: 200163
Ion Ratio Lower Upper
196 100
198 102.1 81.2 121.8
97 60.2 47.8 71.6
132 31.2 25.3 37.9



#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

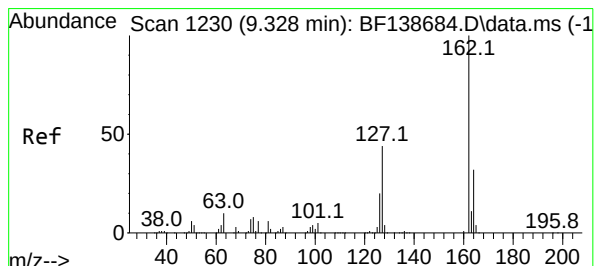
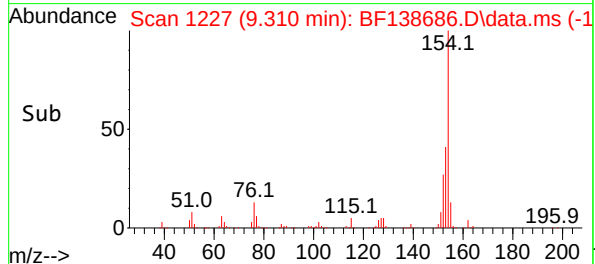
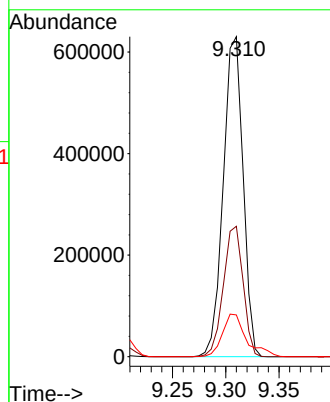
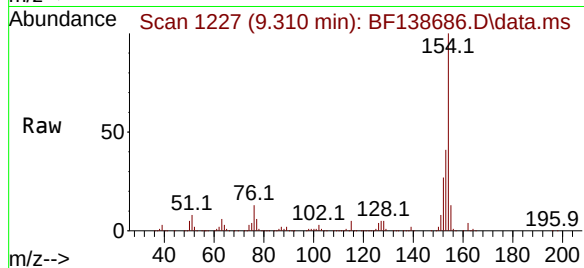




#46
1,1'-Biphenyl
Concen: 57.355 ng
RT: 9.310 min Scan# 1226
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

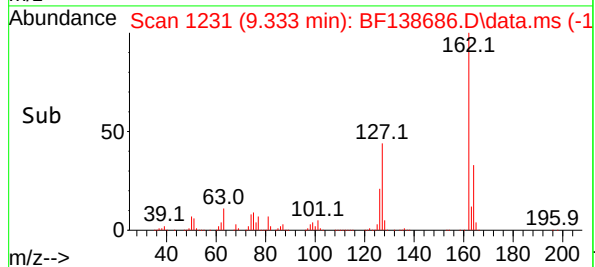
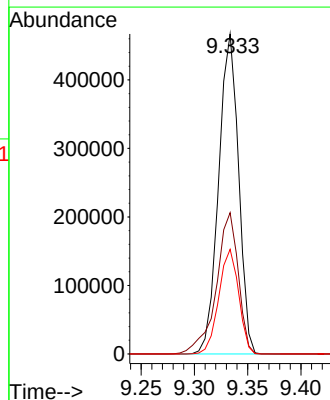
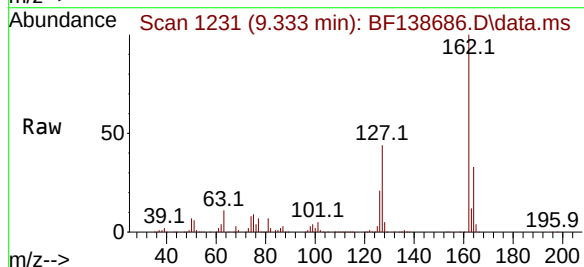
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

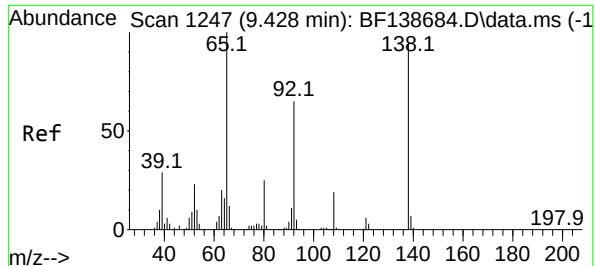
Tgt Ion:154 Resp: 814566
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 13.1 0.0 32.8



#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

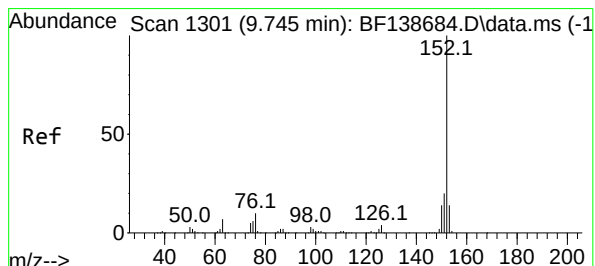
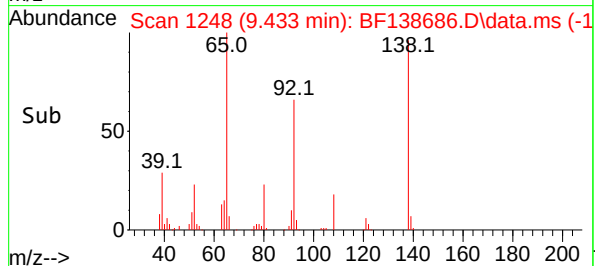
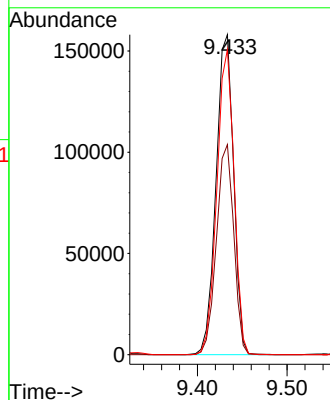
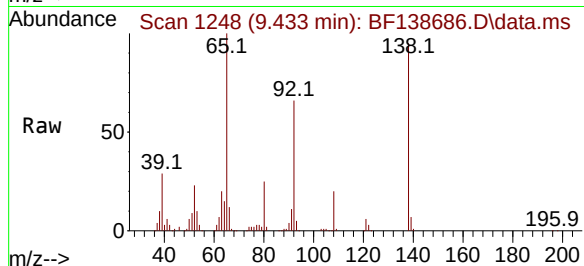
Tgt Ion: 65 Resp: 214695

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

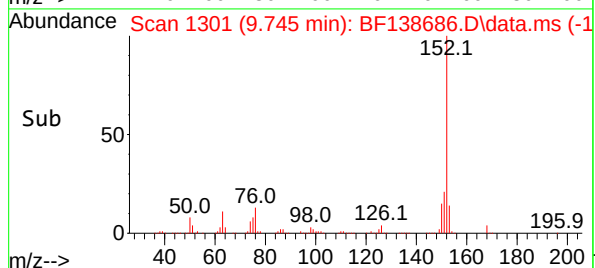
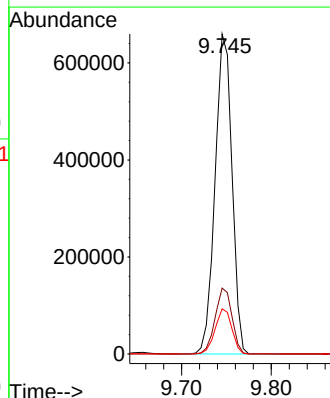
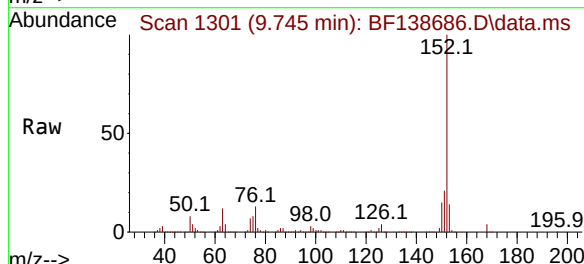
Tgt Ion: 152 Resp: 863615

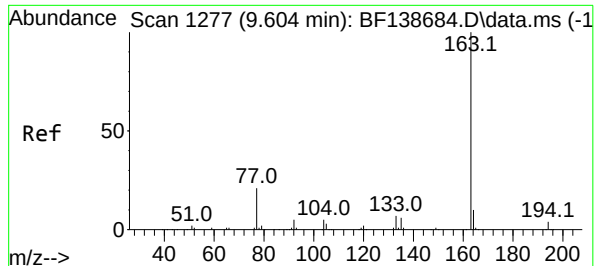
Ion Ratio Lower Upper

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

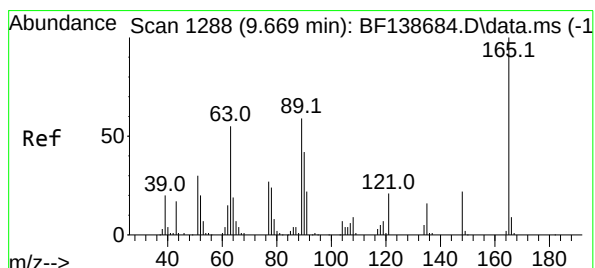
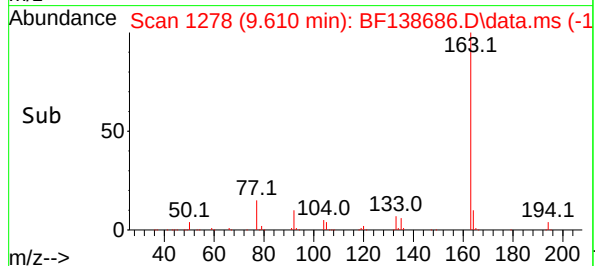
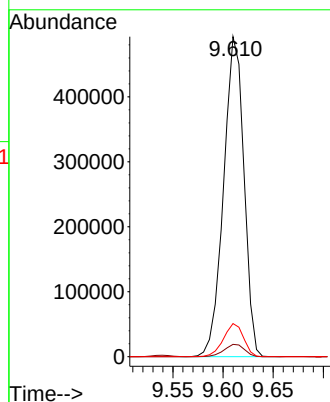
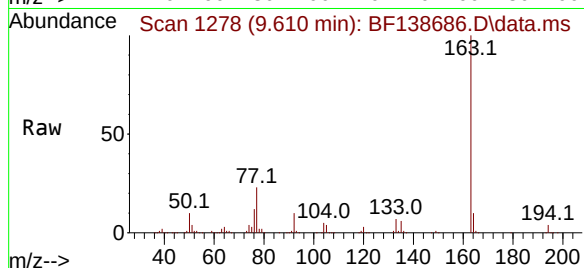
Tgt Ion:163 Resp: 695202

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

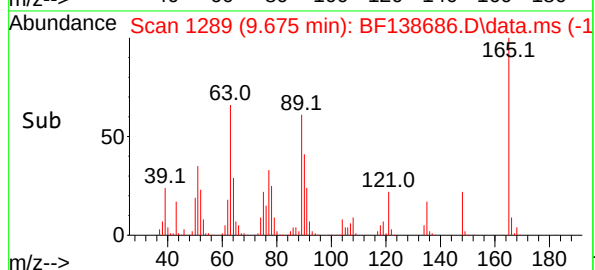
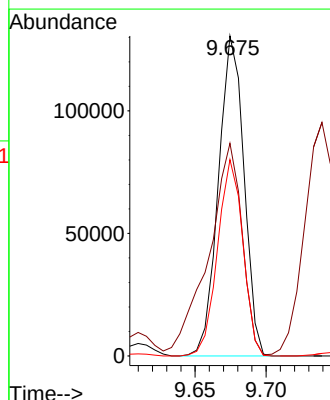
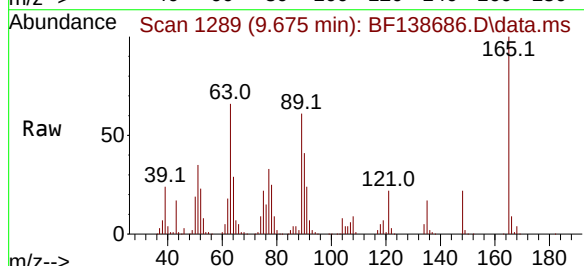
Tgt Ion:165 Resp: 163000

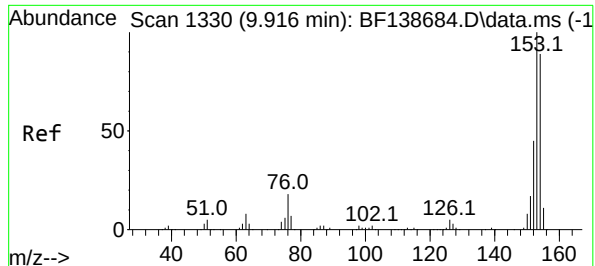
Ion Ratio Lower Upper

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

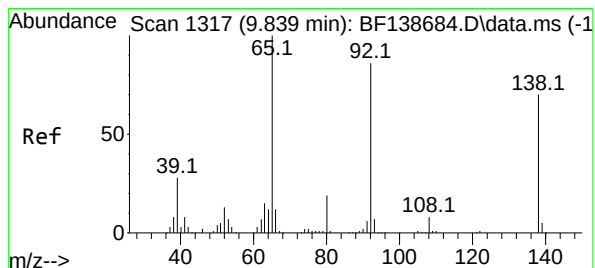
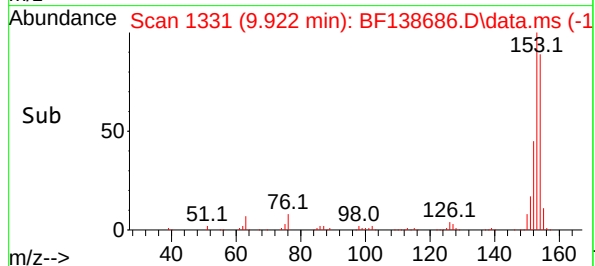
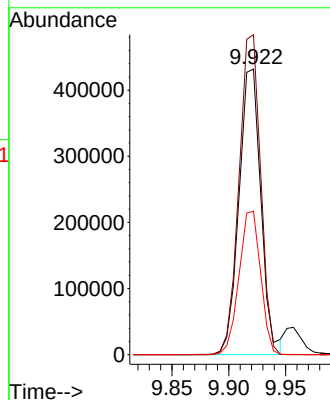
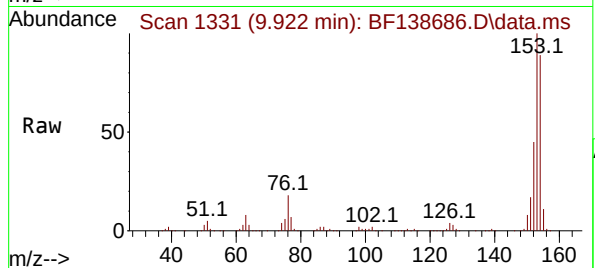
Tgt Ion:154 Resp: 581492

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

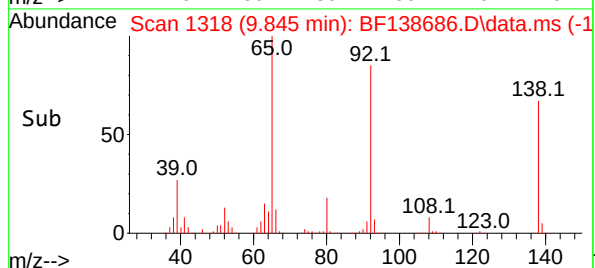
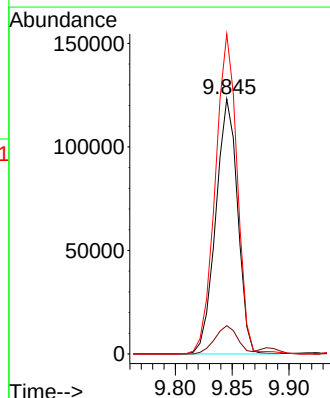
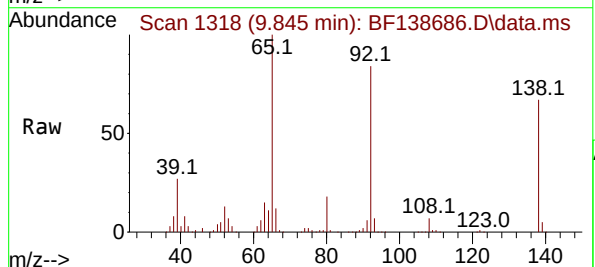
Tgt Ion:138 Resp: 165034

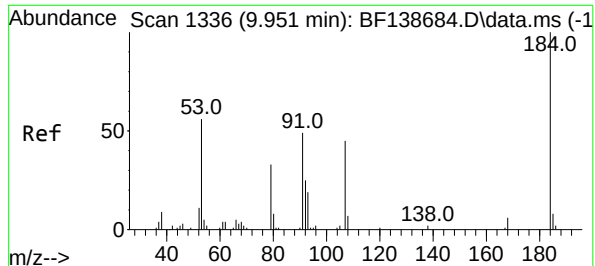
Ion Ratio Lower Upper

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# 1337

Delta R.T. 0.006 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

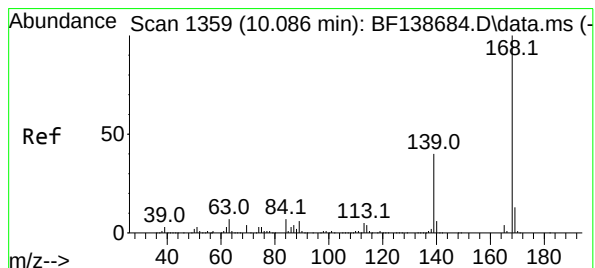
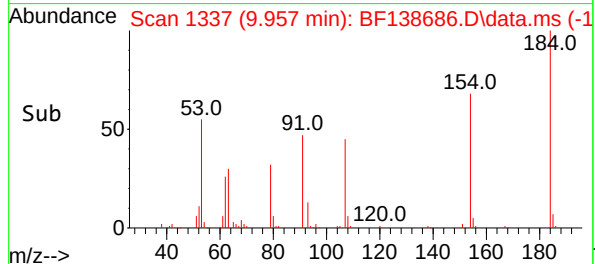
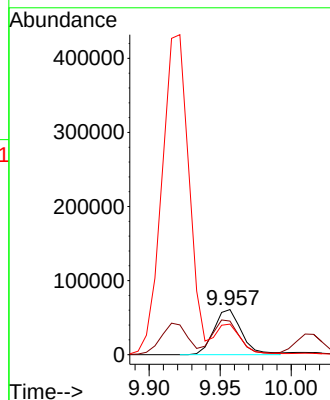
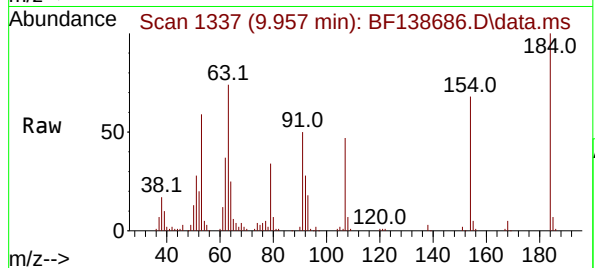
Tgt Ion:184 Resp: 82451

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

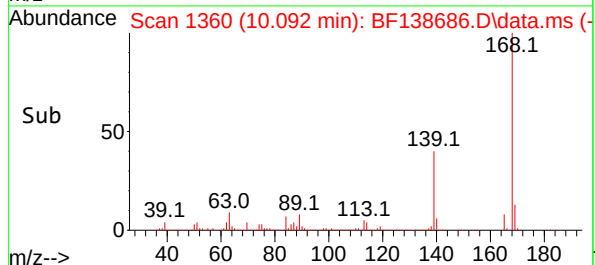
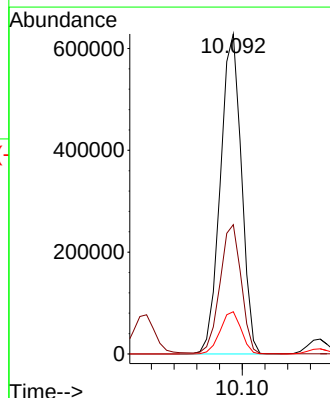
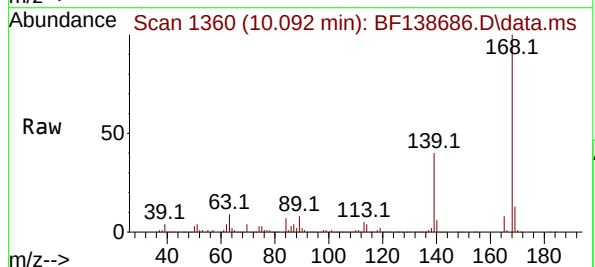
Tgt Ion:168 Resp: 809534

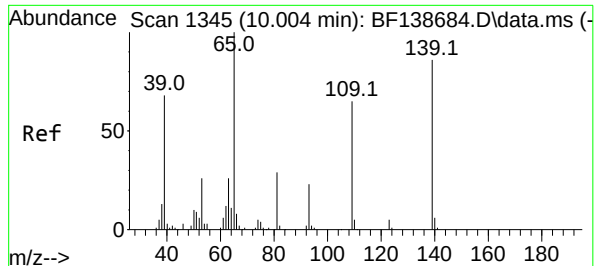
Ion Ratio Lower Upper

168 100

139 40.4 32.6 49.0

169 13.2 10.7 16.1

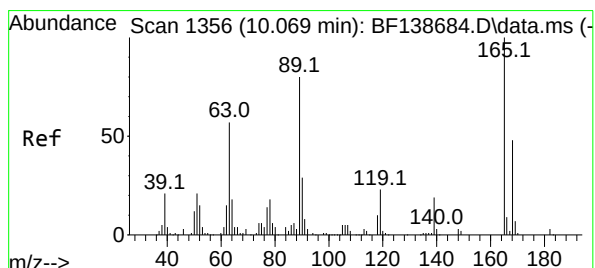
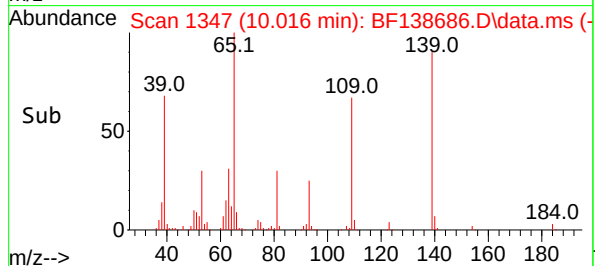
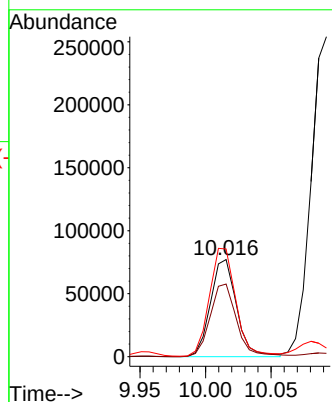
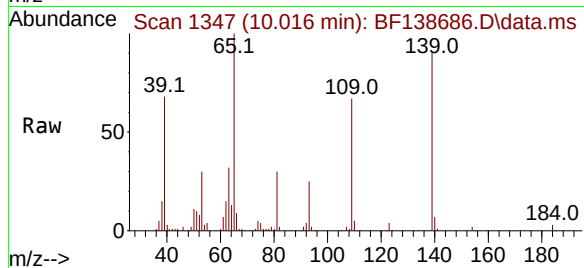




#56
4-Nitrophenol
Concen: 65.807 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

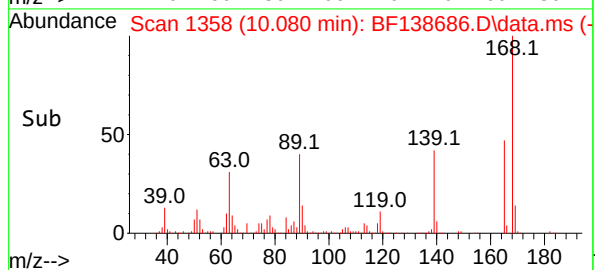
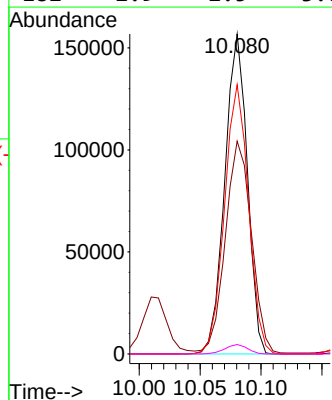
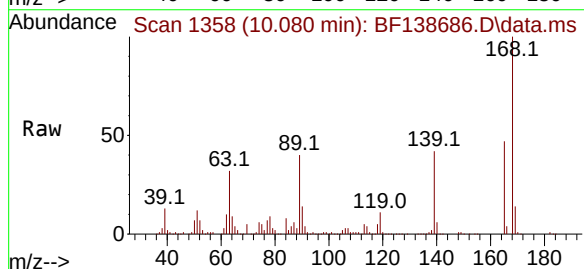
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

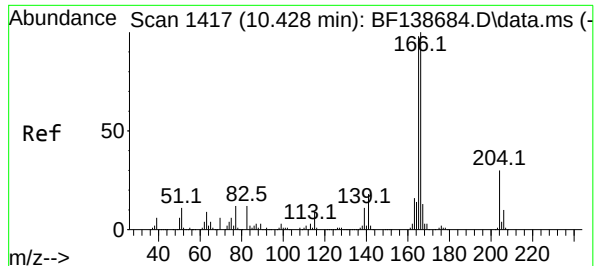
Tgt Ion:139 Resp: 107052
Ion Ratio Lower Upper
139 100
109 74.9 55.5 95.5
65 111.0 96.7 136.7



#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

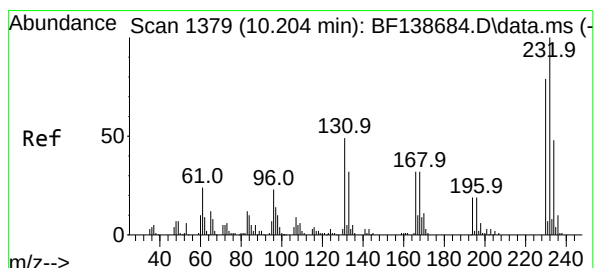
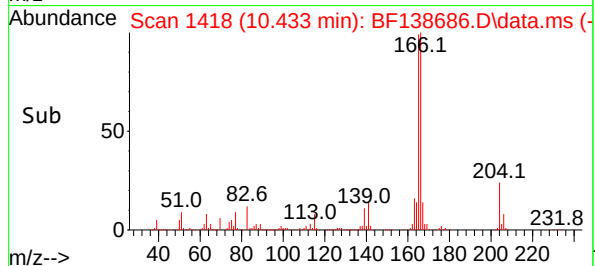
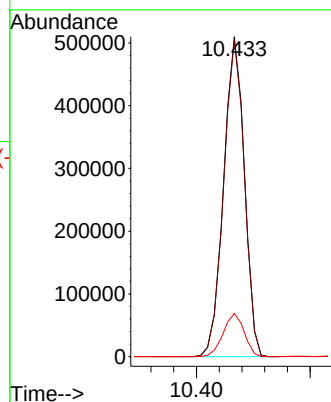
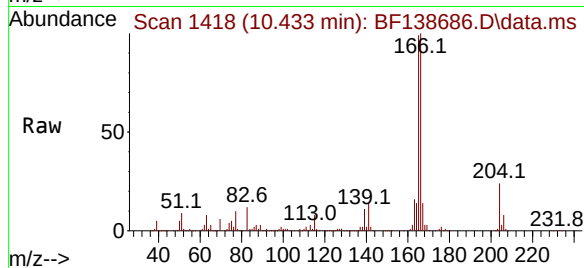




#58
Fluorene
Concen: 57.140 ng
RT: 10.433 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

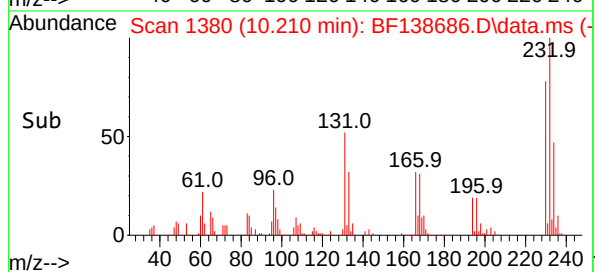
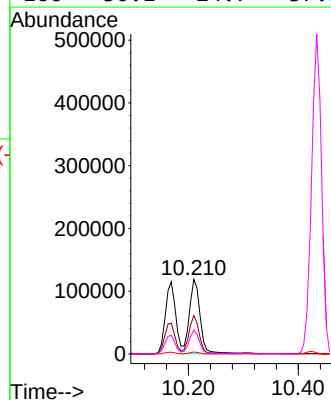
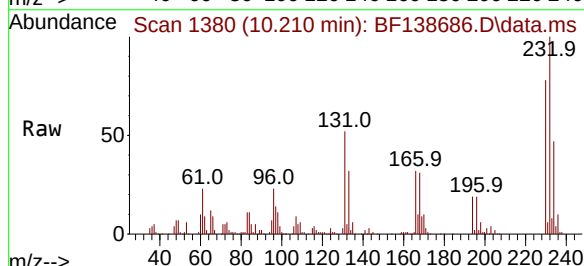
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

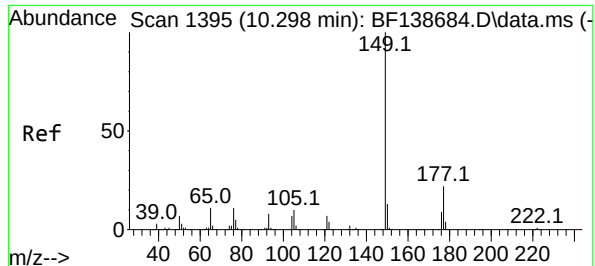
Tgt Ion:166 Resp: 646844
Ion Ratio Lower Upper
166 100
165 98.8 78.4 117.6
167 13.5 10.6 16.0



#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

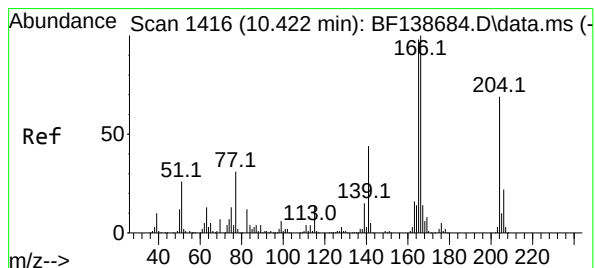
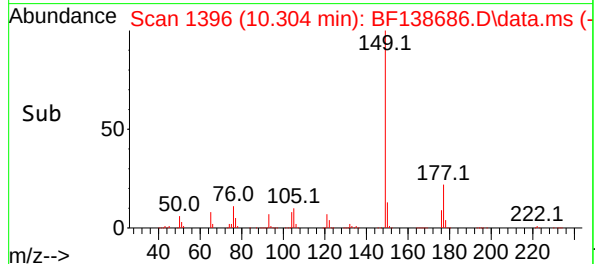
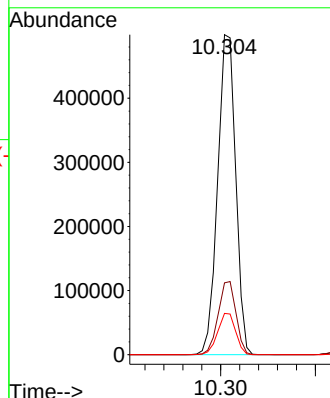
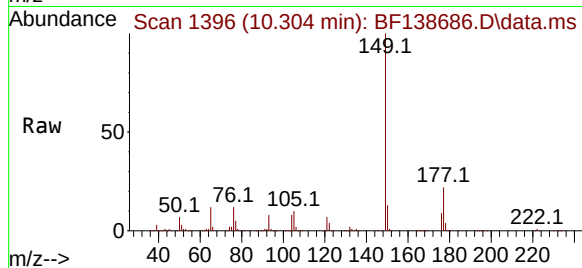




#60
Diethylphthalate
Concen: 60.161 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

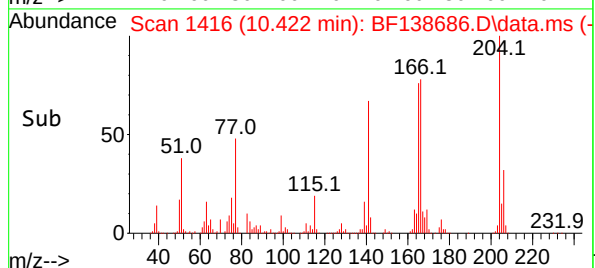
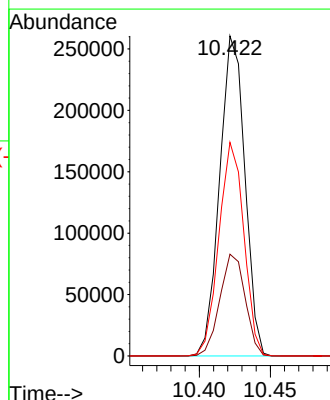
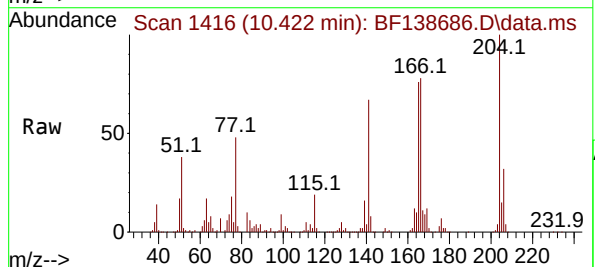
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

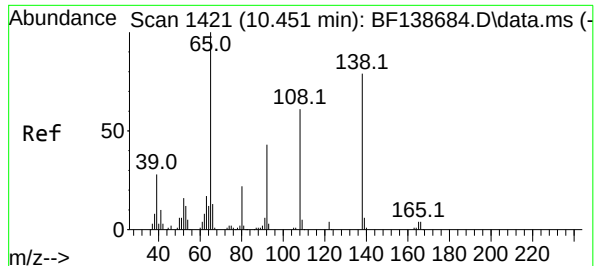
Tgt Ion:149 Resp: 661415
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.8
150 12.9 10.1 15.1



#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

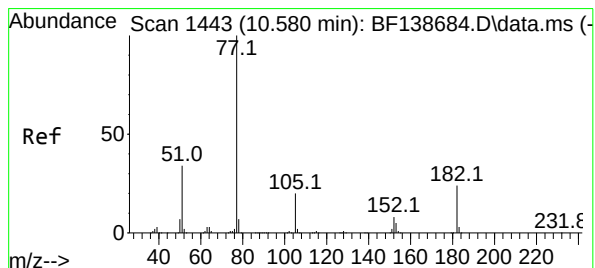
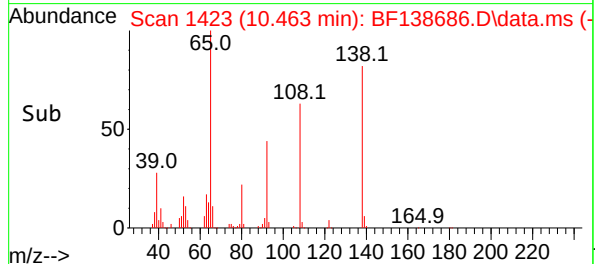
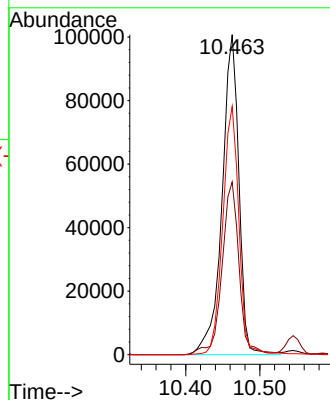
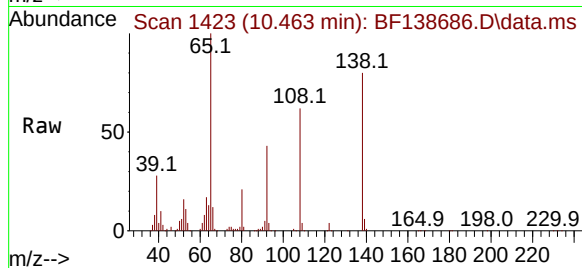




#62
4-Nitroaniline
Concen: 61.881 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

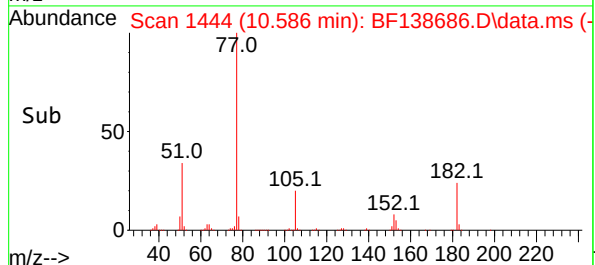
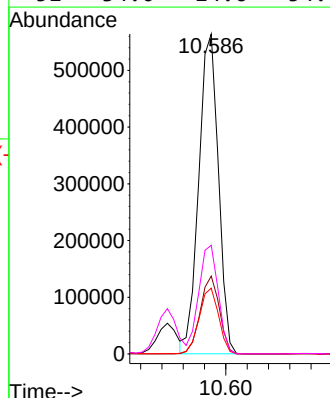
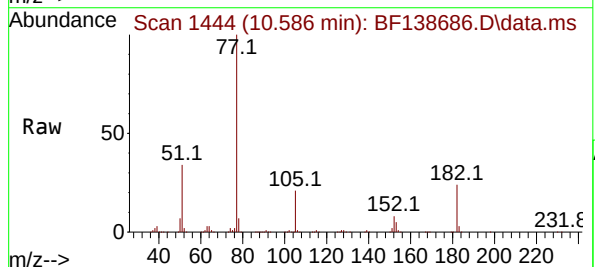
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

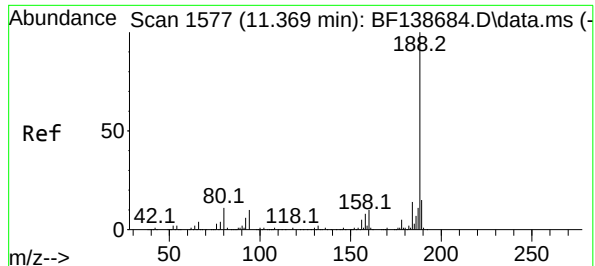
Tgt Ion:138 Resp: 159081
Ion Ratio Lower Upper
138 100
92 54.0 34.2 74.2
108 77.6 56.2 96.2



#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

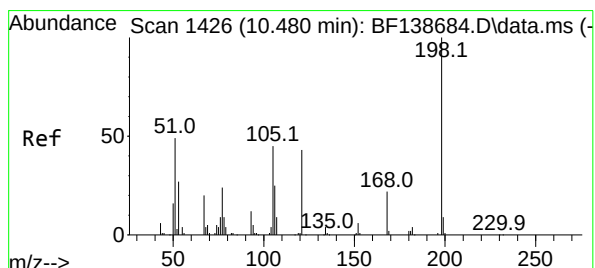
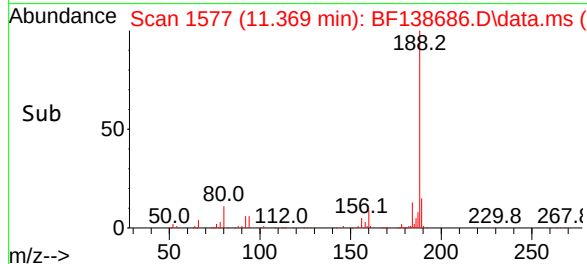
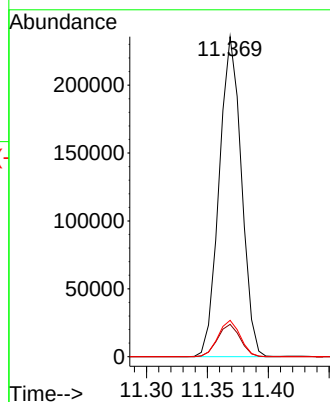
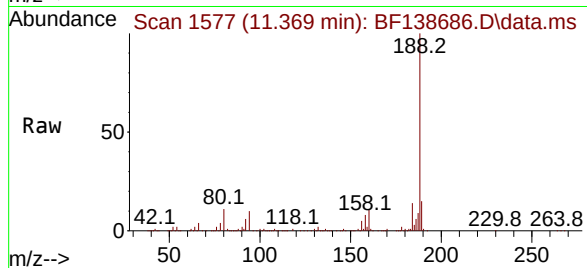




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

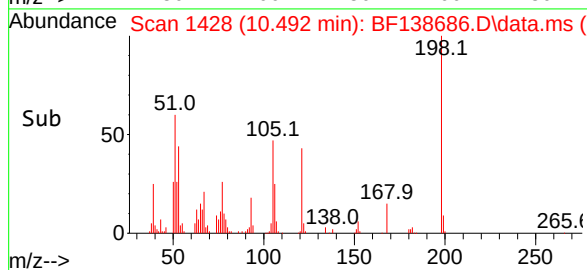
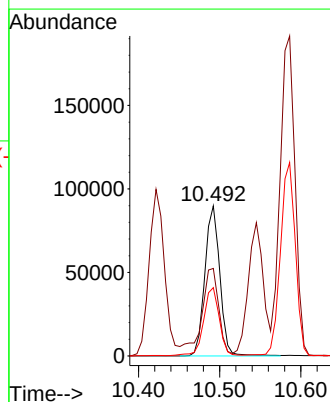
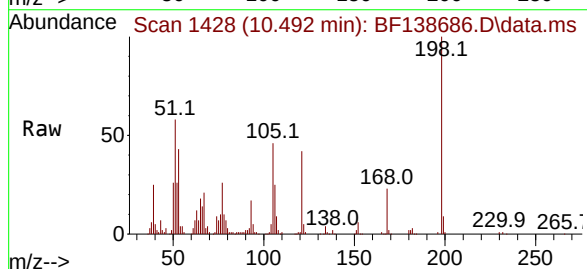
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

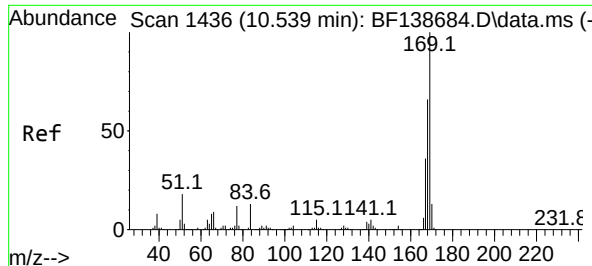
Tgt Ion:188 Resp: 299773
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 11.3 8.6 12.8



#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

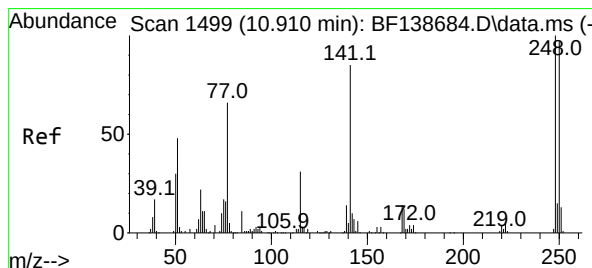
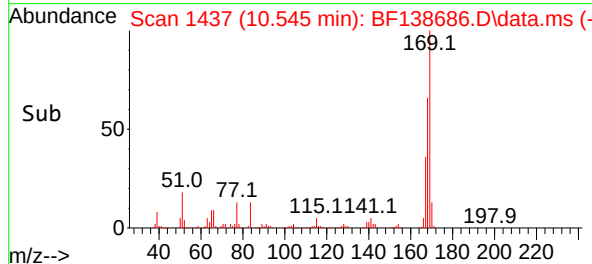
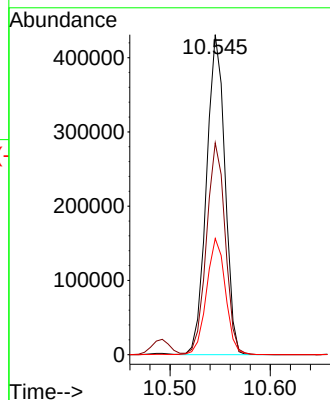
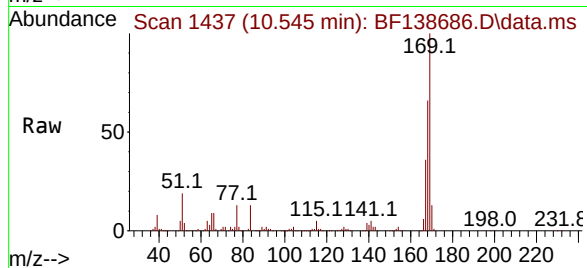




#66
n-Nitrosodiphenylamine
Concen: 58.728 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

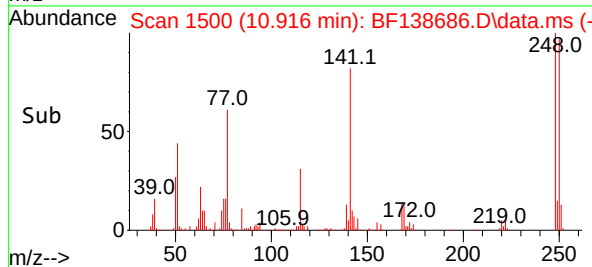
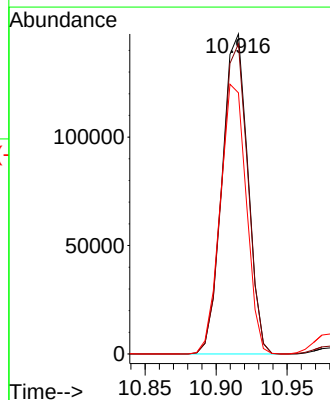
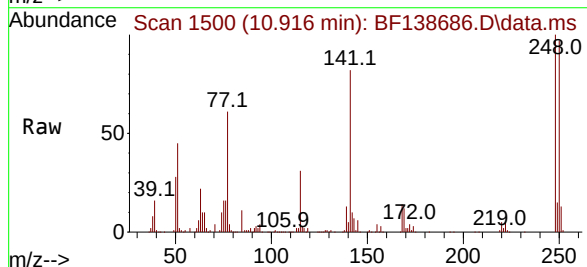
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

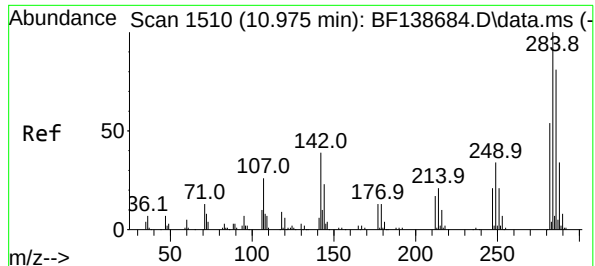
Tgt Ion:169 Resp: 550299
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.6
167 36.3 29.0 43.6



#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

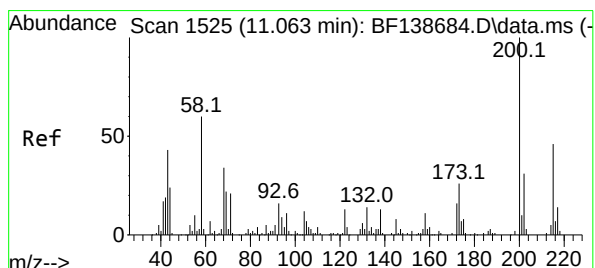
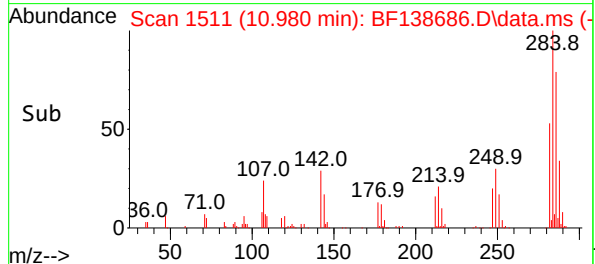
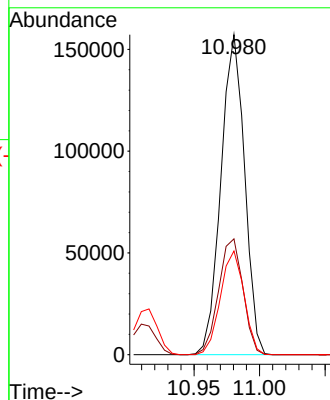
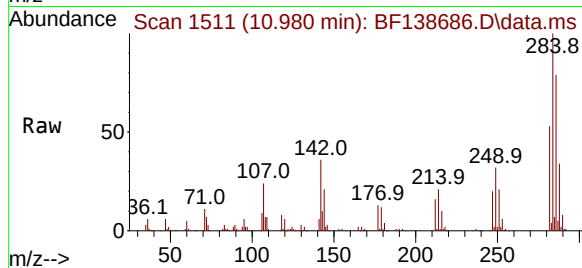




#68
Hexachlorobenzene
Concen: 58.832 ng
RT: 10.980 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

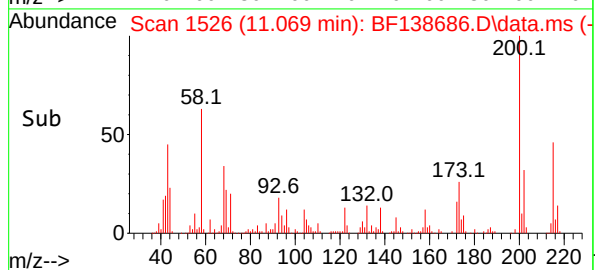
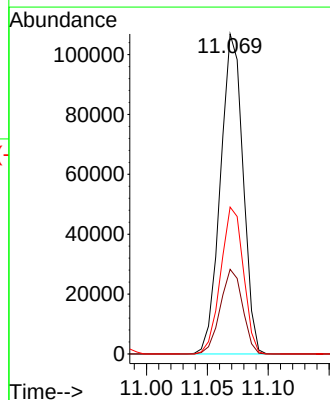
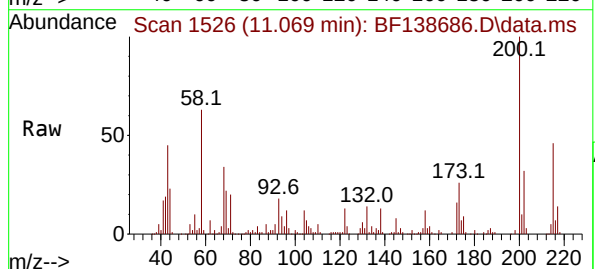
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

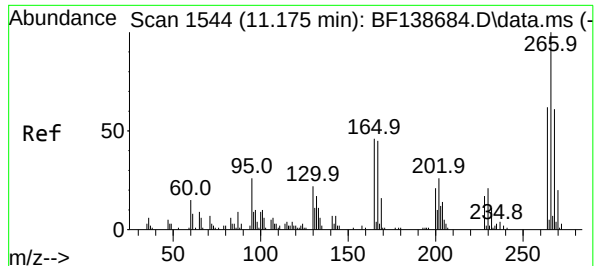
Tgt Ion:284 Resp: 197152
Ion Ratio Lower Upper
284 100
142 36.2 31.3 46.9
249 32.4 27.2 40.8



#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# 1

Delta R.T. -0.001 min

Lab File: BF138686.D

Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

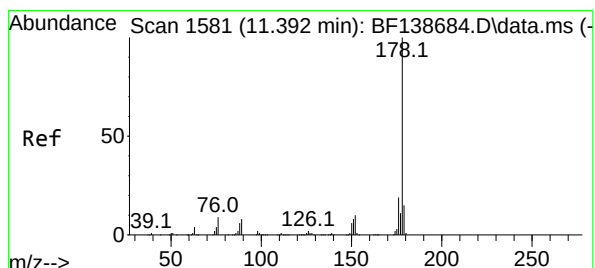
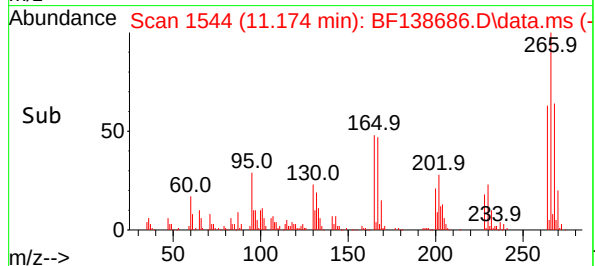
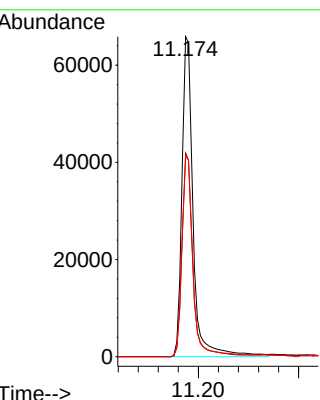
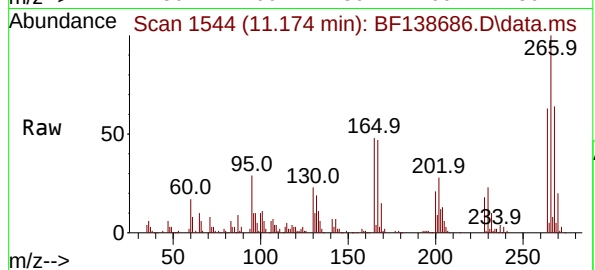
Tgt Ion:266 Resp: 101863

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

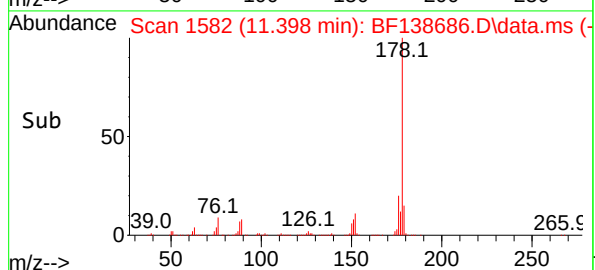
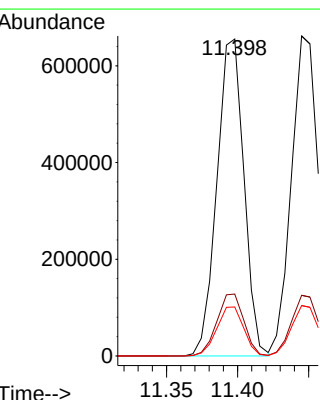
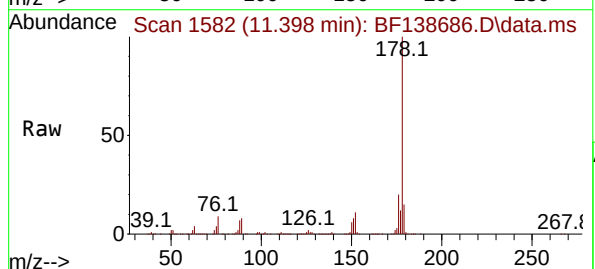
Tgt Ion:178 Resp: 867741

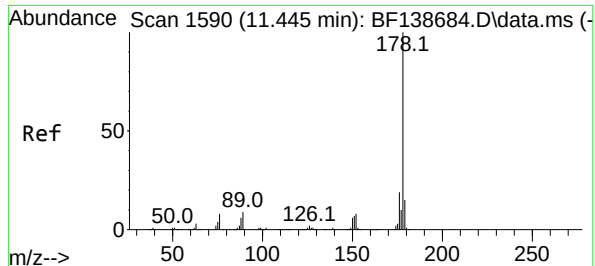
Ion Ratio Lower Upper

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

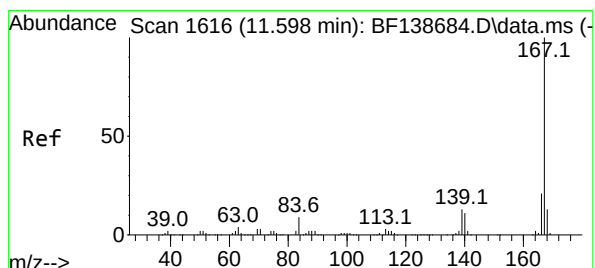
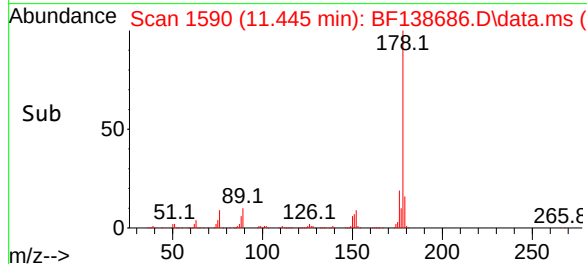
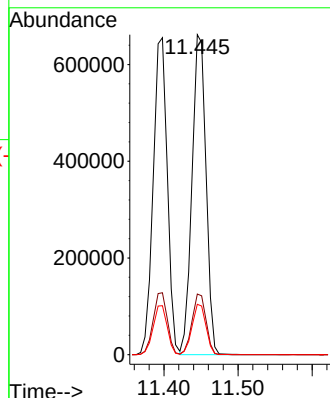
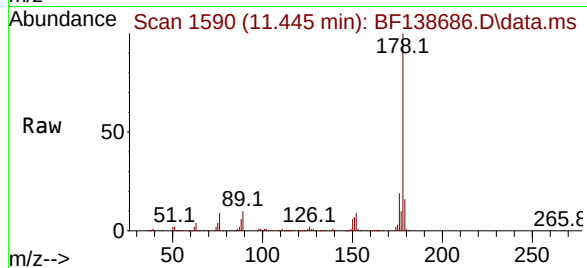
Tgt Ion:178 Resp: 869464

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

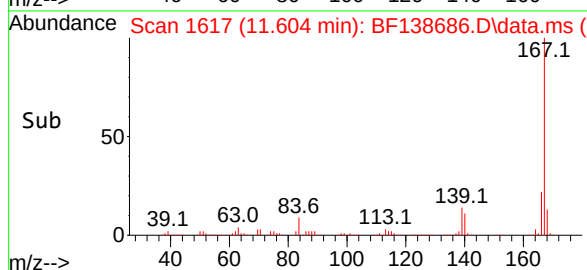
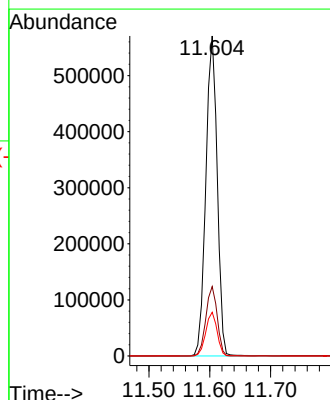
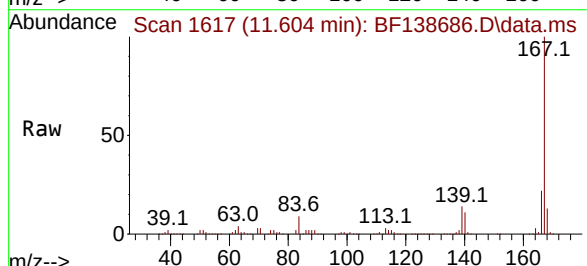
Tgt Ion:167 Resp: 742002

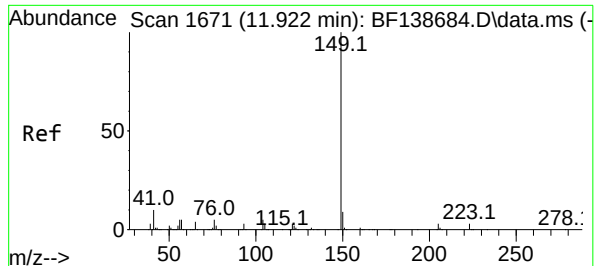
Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 13.7 10.6 16.0

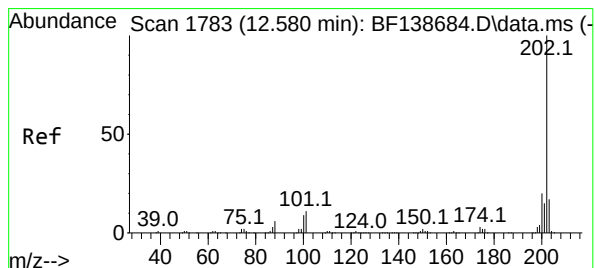
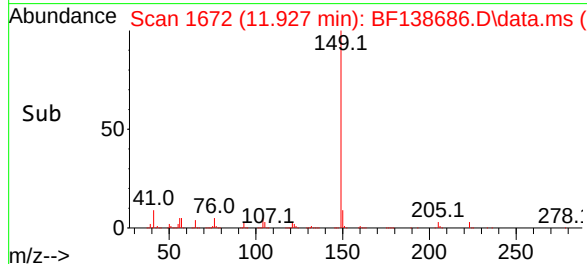
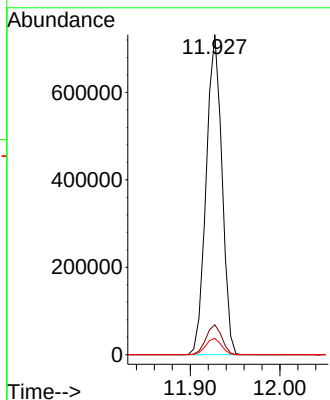
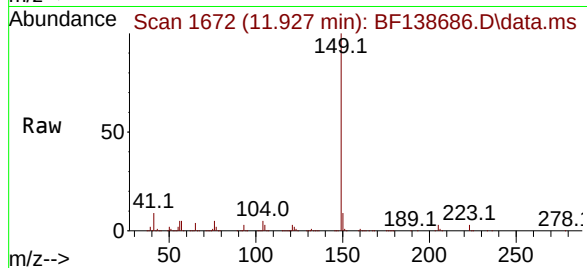




#74
Di-n-butylphthalate
Concen: 60.481 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

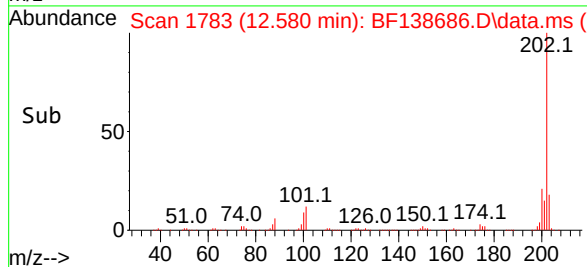
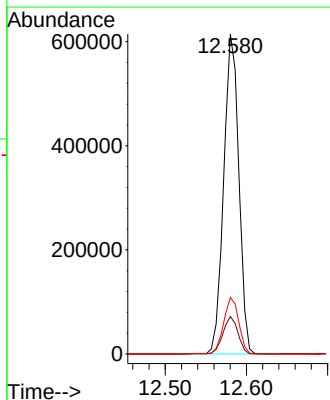
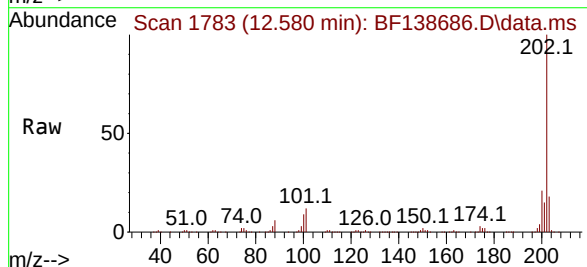
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

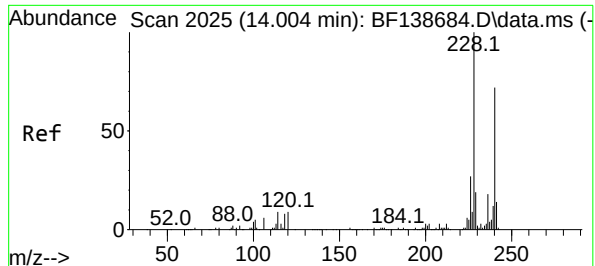
Tgt Ion:149 Resp: 891999
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 5.1 4.1 6.1



#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

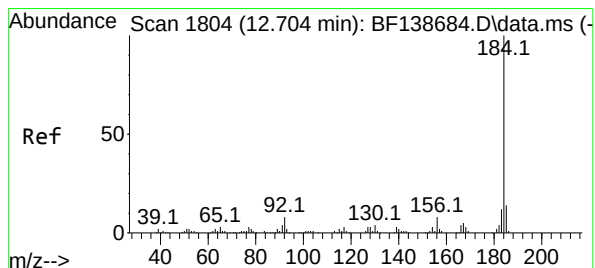
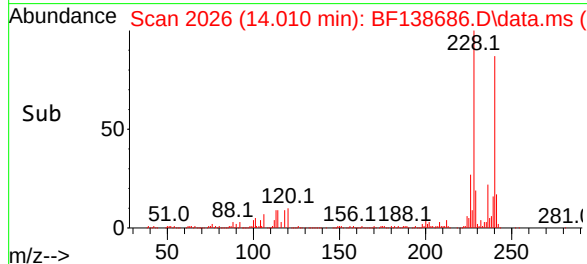
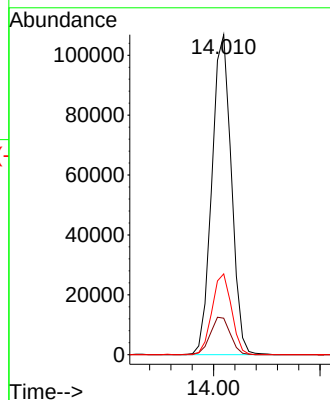
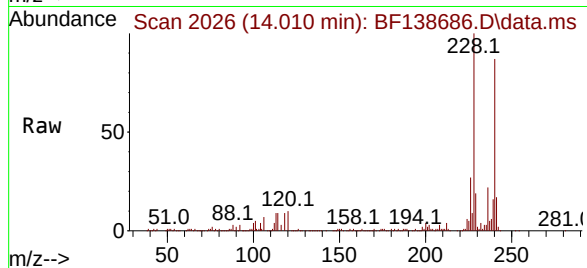




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

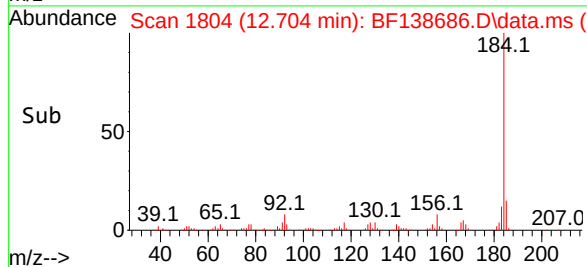
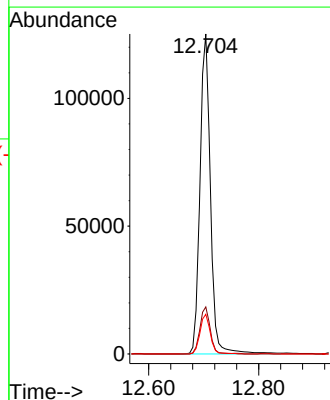
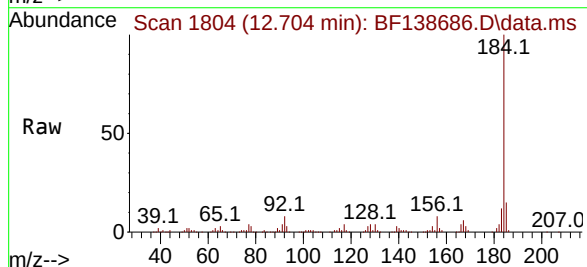
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

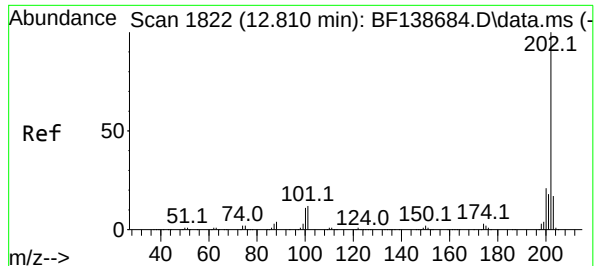
Tgt Ion:240 Resp: 135234
Ion Ratio Lower Upper
240 100
120 11.4 10.2 15.4
236 25.3 19.8 29.8



#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

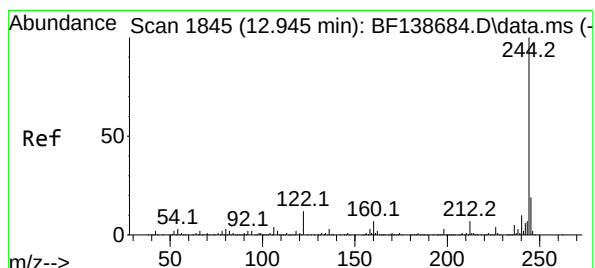
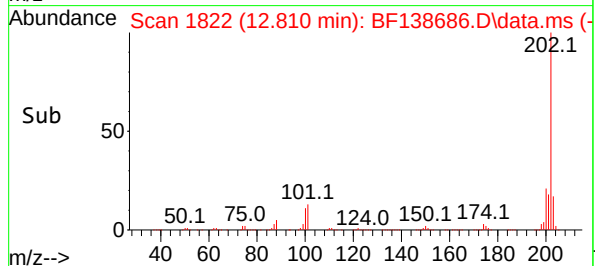
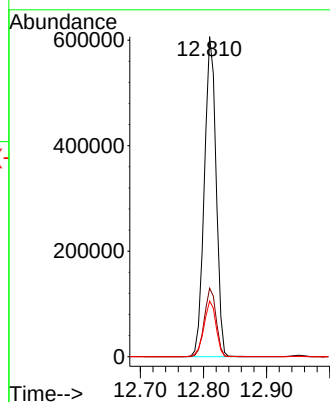
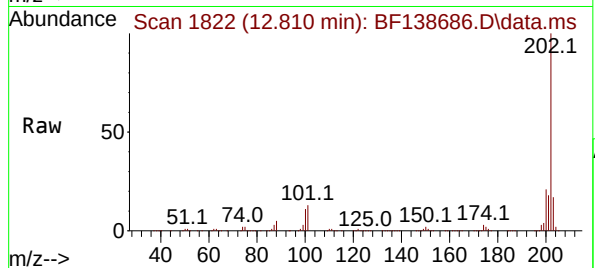




#78
Pyrene
Concen: 61.448 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

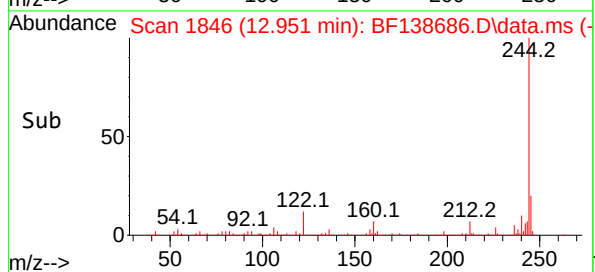
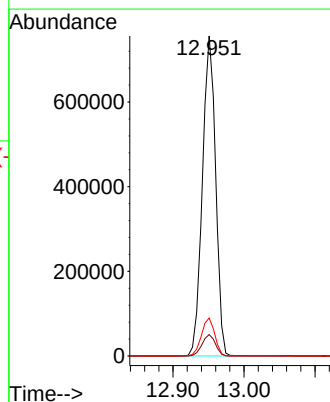
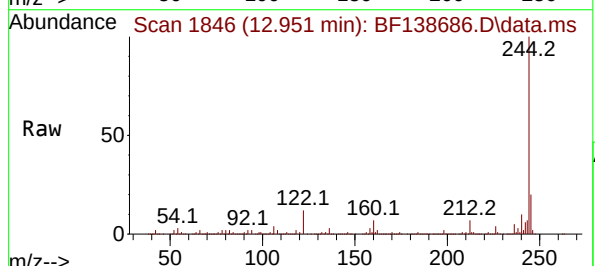
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

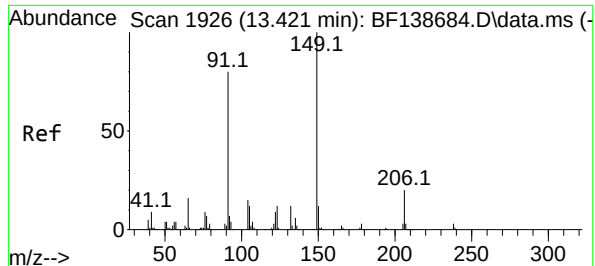
Tgt Ion:202 Resp: 782403
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.4 13.8 20.6



#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

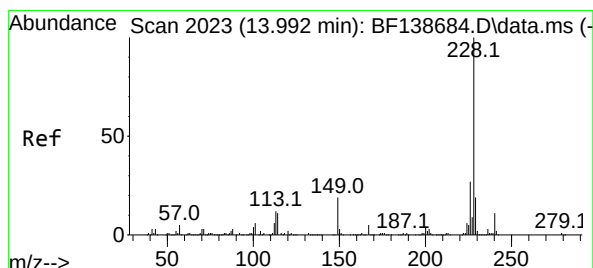
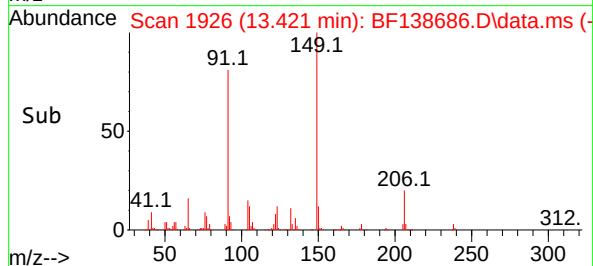
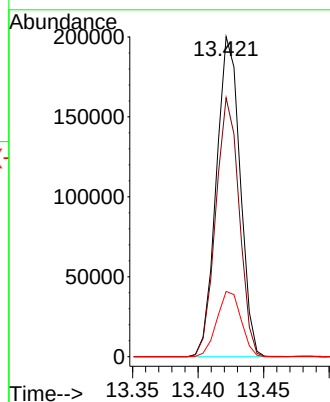
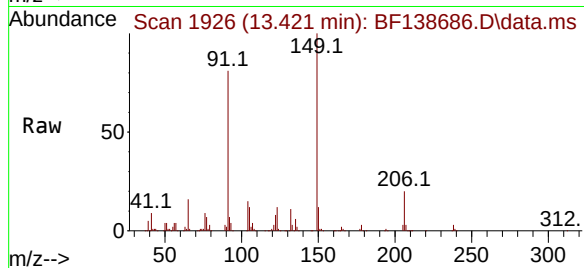
Tgt Ion:149 Resp: 251612

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

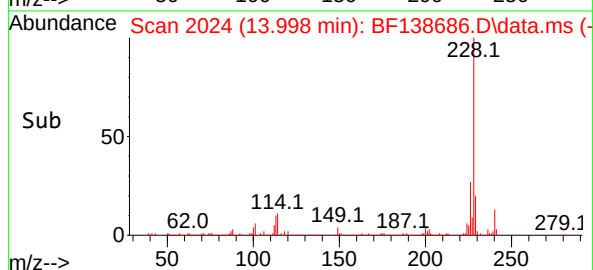
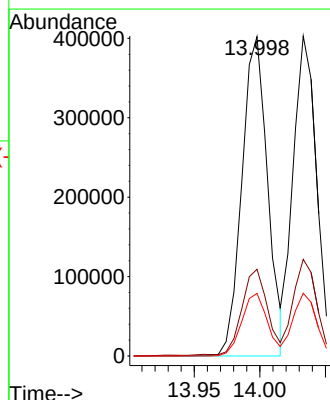
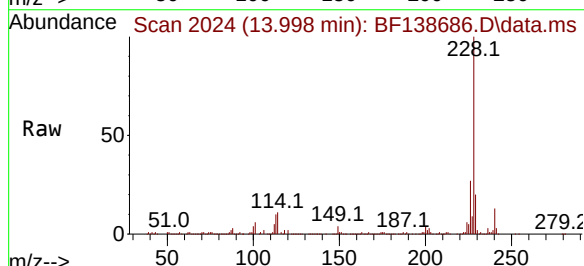
Tgt Ion:228 Resp: 548125

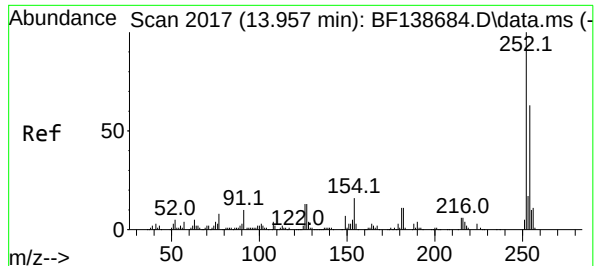
Ion Ratio Lower Upper

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

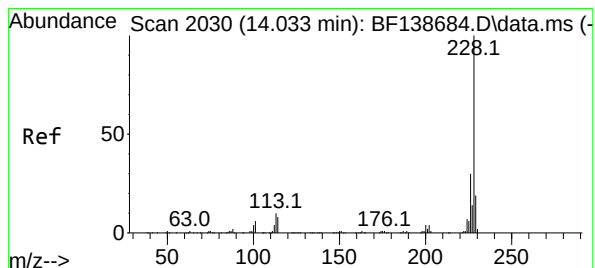
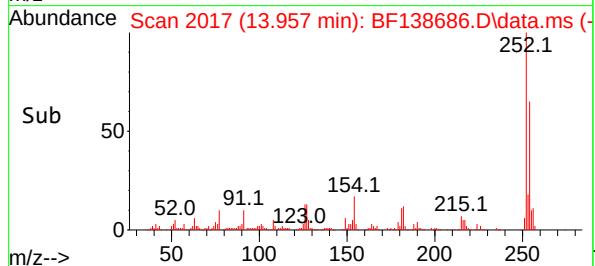
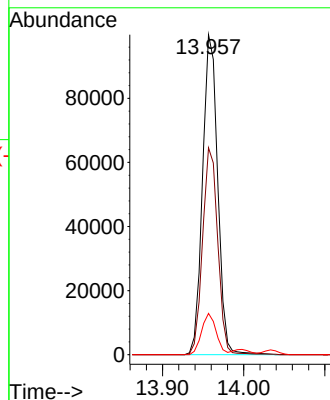
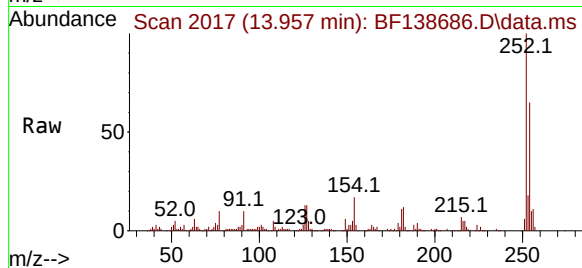
Tgt Ion:252 Resp: 129254

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

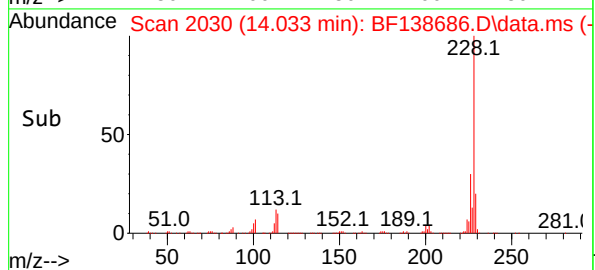
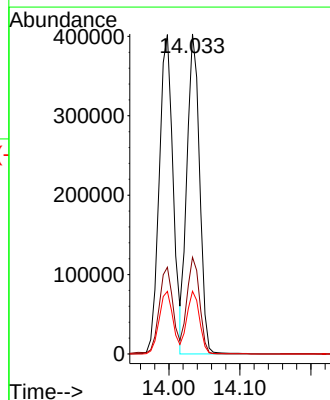
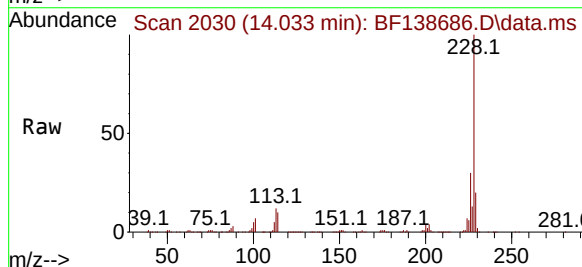
Tgt Ion:228 Resp: 498766

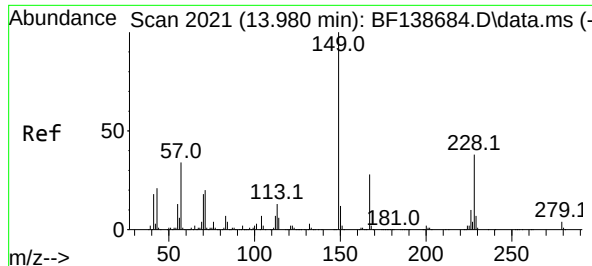
Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 19.6 15.0 22.6

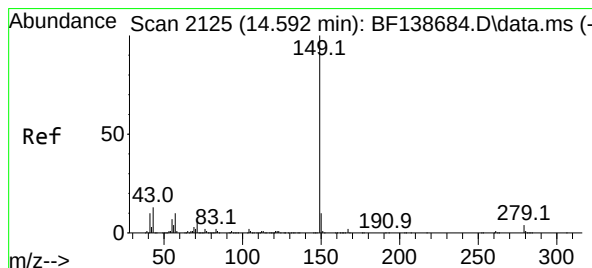
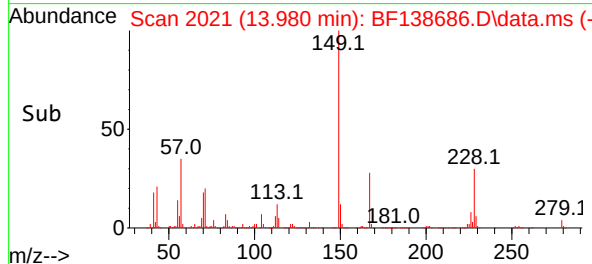
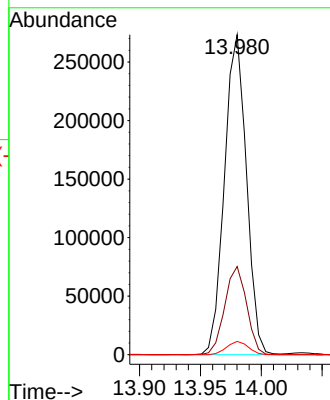
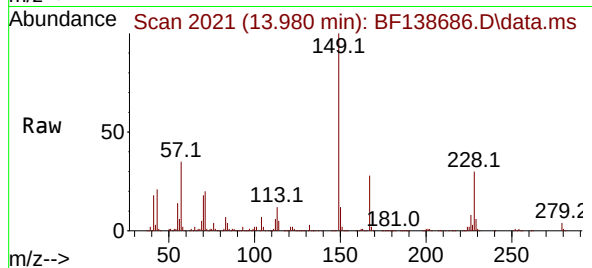




#84
Bis(2-ethylhexyl)phthalate
Concen: 57.526 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

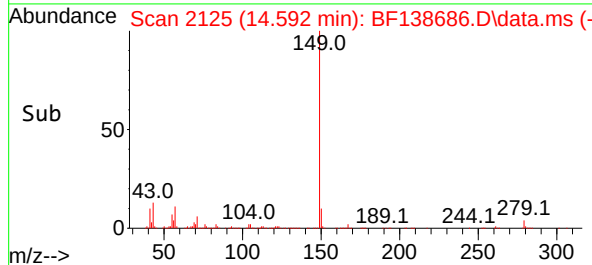
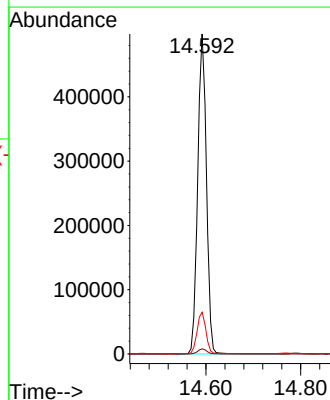
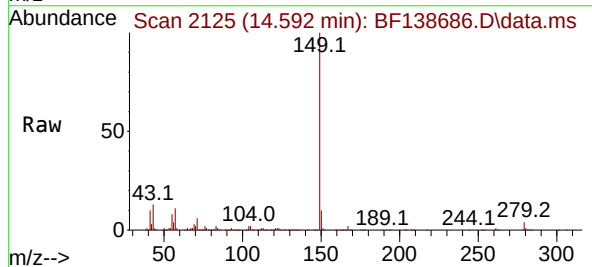
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

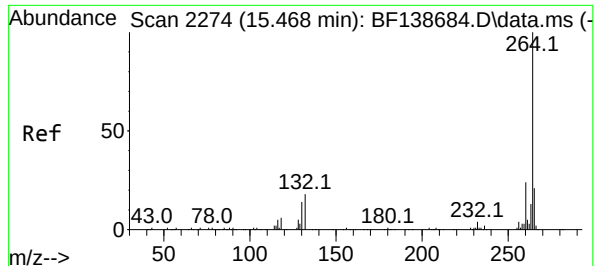
Tgt Ion:149 Resp: 343468
Ion Ratio Lower Upper
149 100
167 27.6 22.2 33.4
279 4.2 3.4 5.0



#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

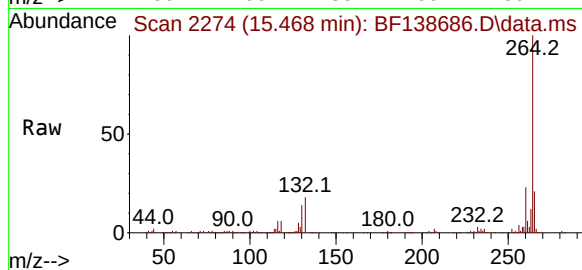
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



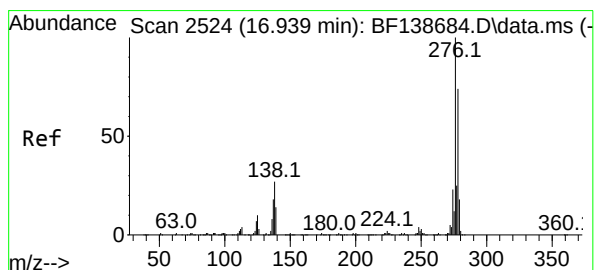
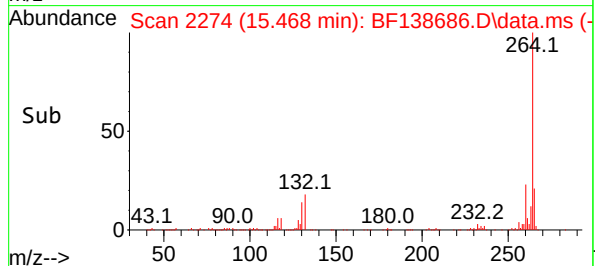
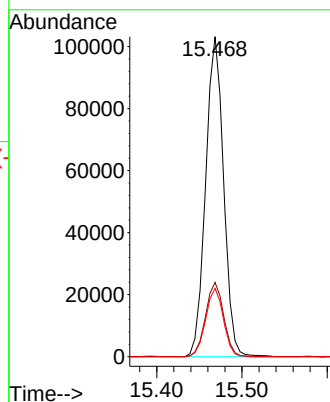
Tgt Ion:264 Resp: 151051

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

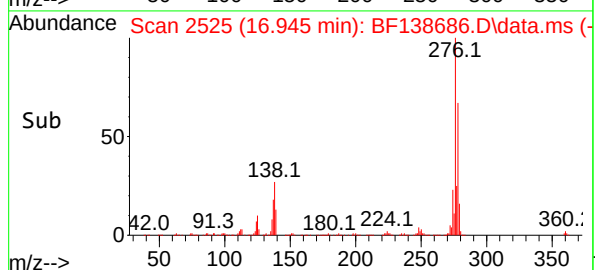
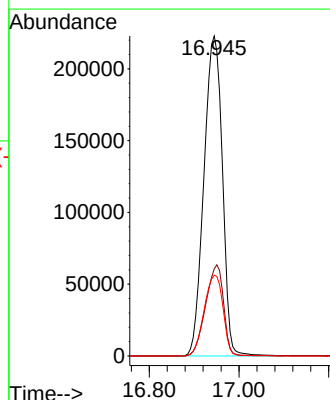
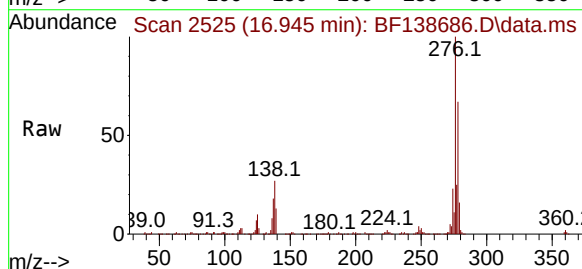
Tgt Ion:276 Resp: 636857

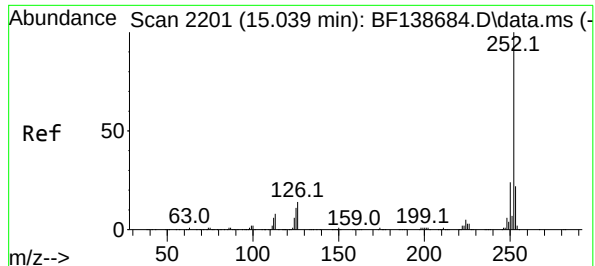
Ion Ratio Lower Upper

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

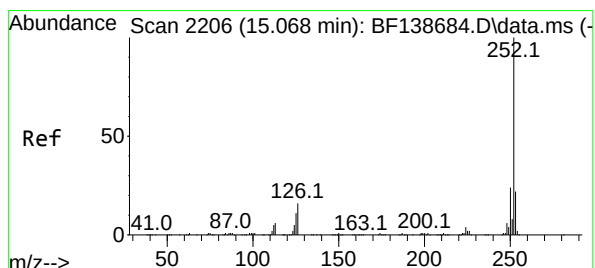
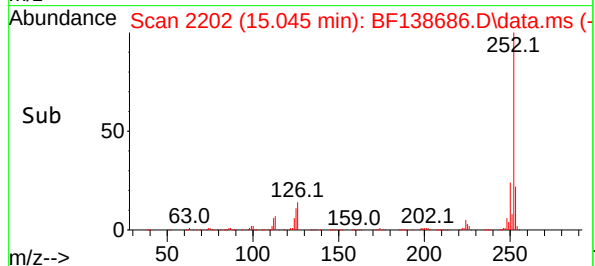
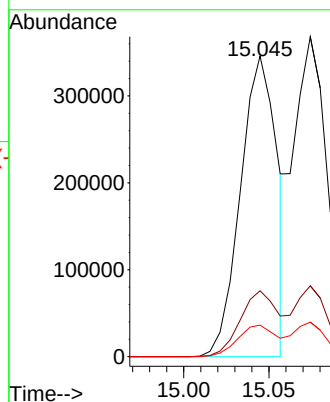
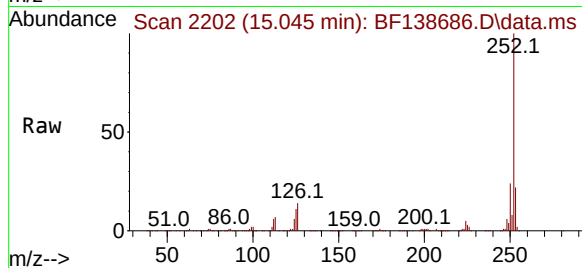
Tgt Ion:252 Resp: 514218

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

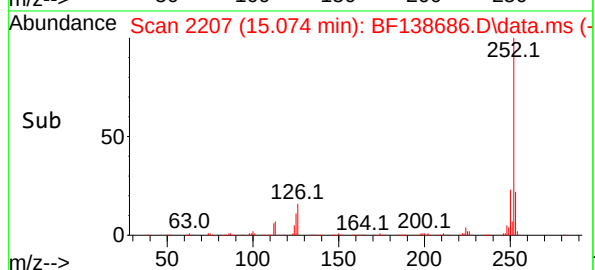
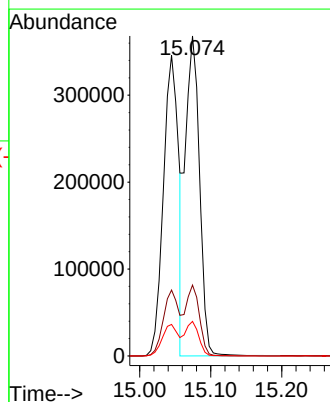
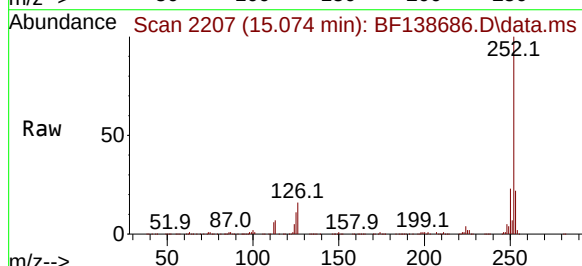
Tgt Ion:252 Resp: 506146

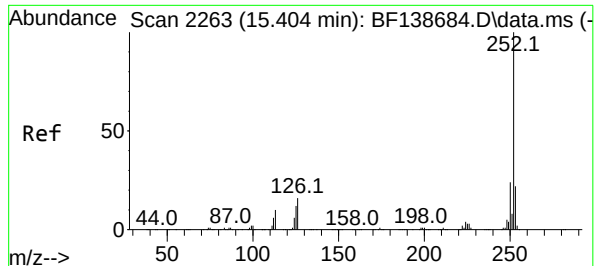
Ion Ratio Lower Upper

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

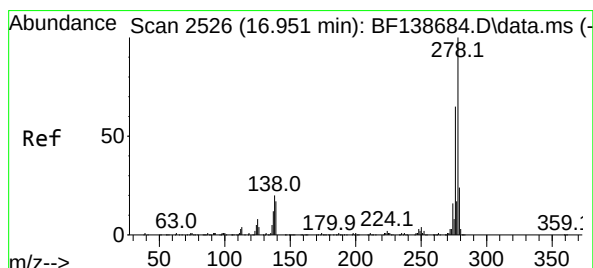
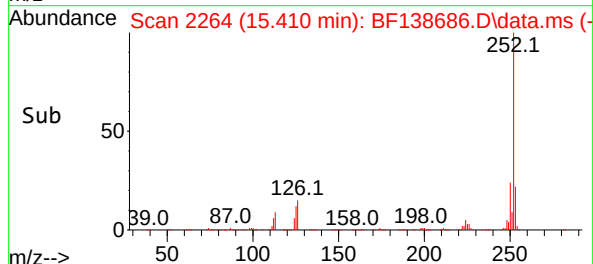
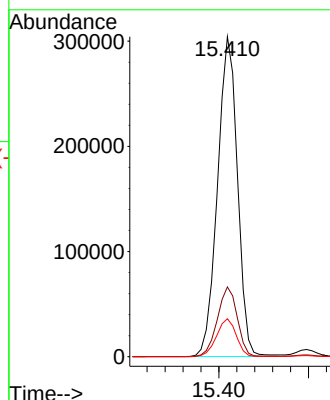
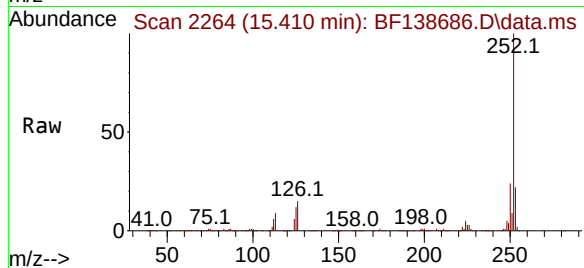
Tgt Ion:252 Resp: 469205

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

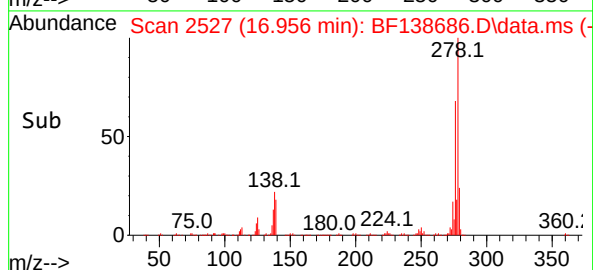
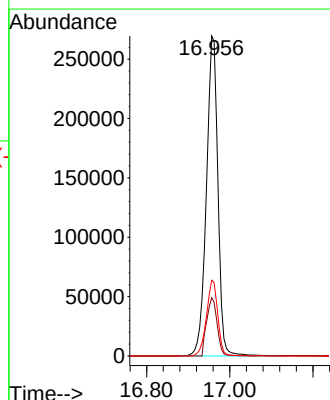
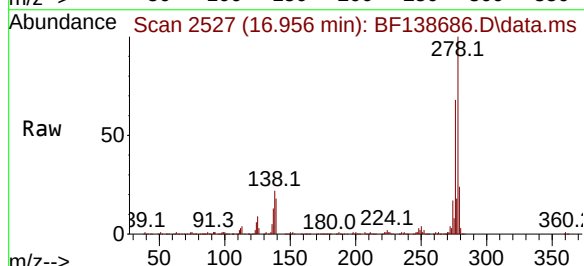
Tgt Ion:278 Resp: 519552

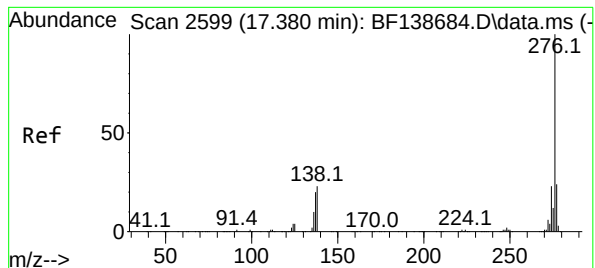
Ion Ratio Lower Upper

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

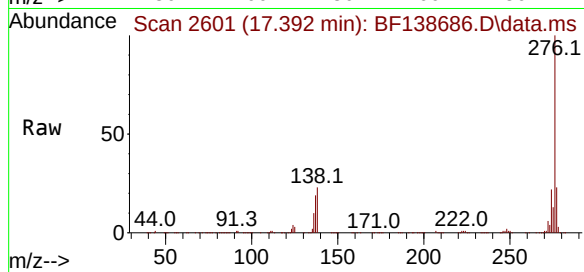
Acq: 30 Jul 2024 15:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



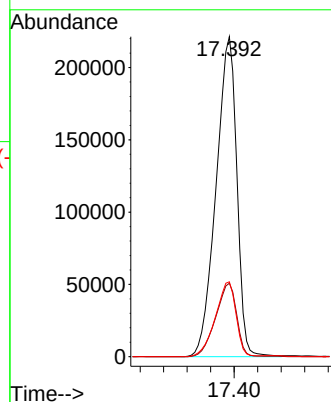
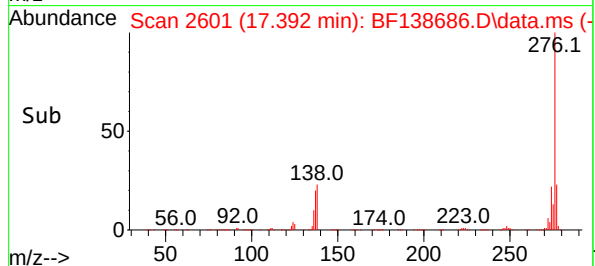
Tgt Ion:276 Resp: 542952

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

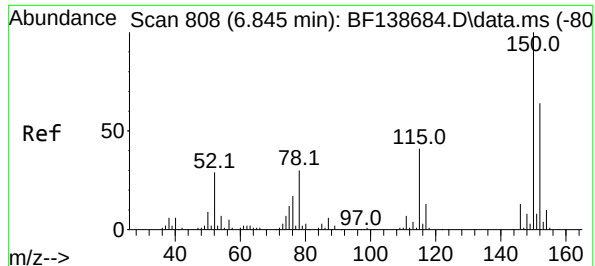
Quant Time: Jul 30 17:47:27 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:38:59 2024
 Response via : Initial Calibration

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

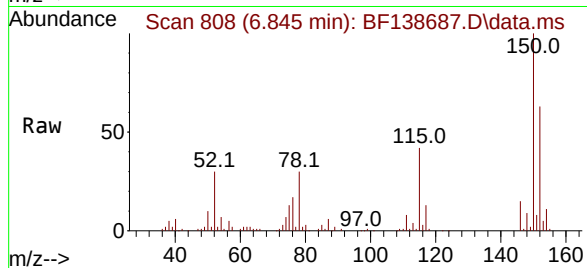
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BNA_F
ClientSampleId :
SSTDICC080

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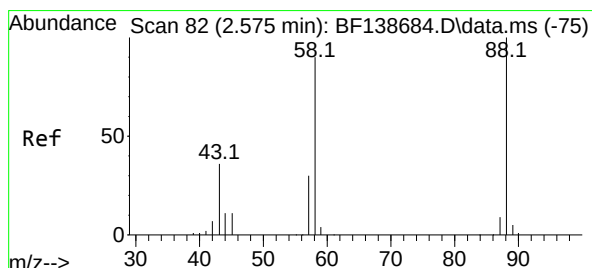
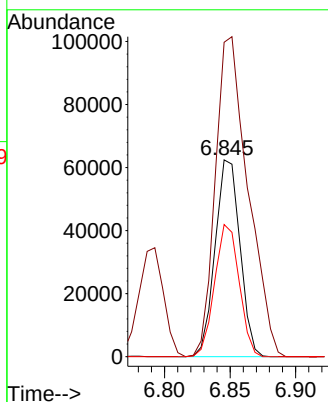
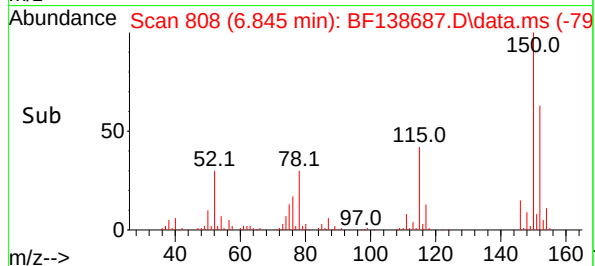


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

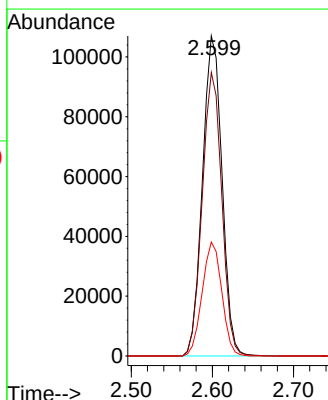
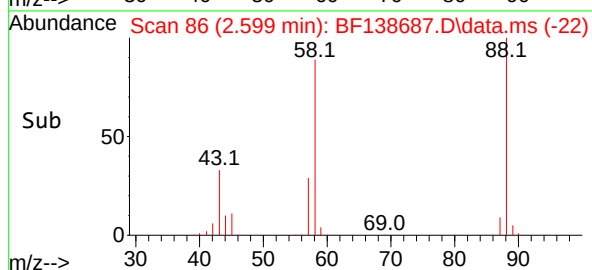
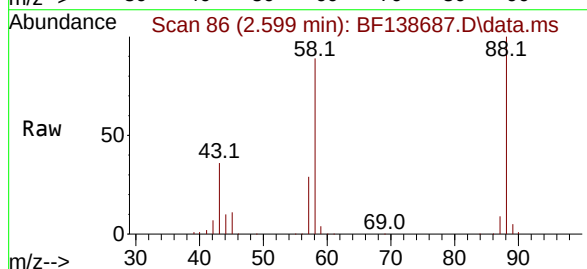


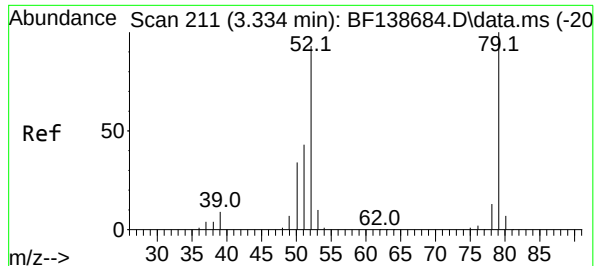
Tgt Ion:152 Resp: 82334
Ion Ratio Lower Upper
152 100
150 159.8 126.0 189.0
115 67.1 51.7 77.5



#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

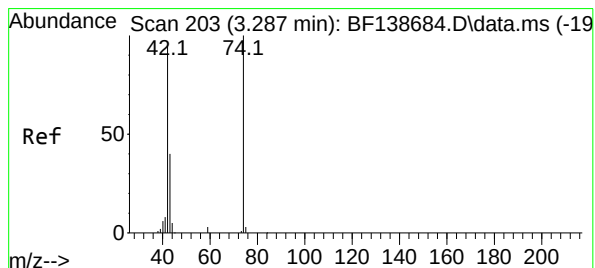
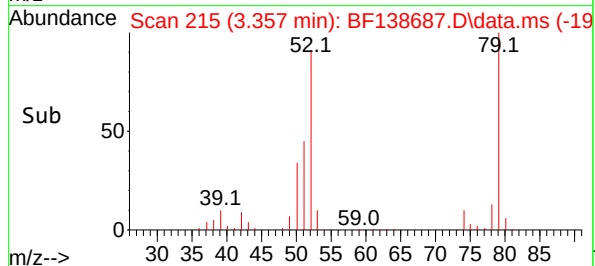
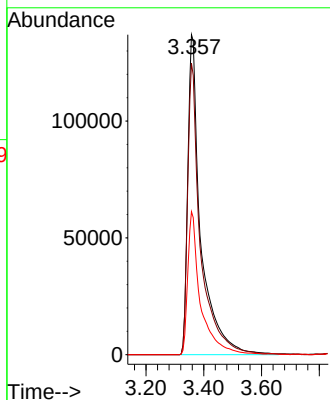
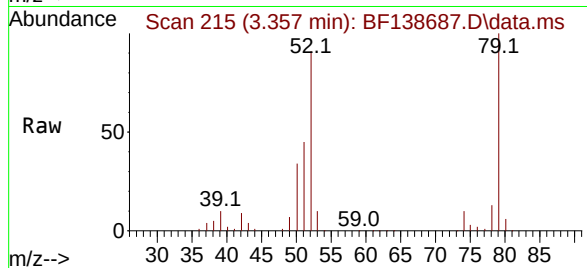
Tgt Ion: 79 Resp: 430656

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

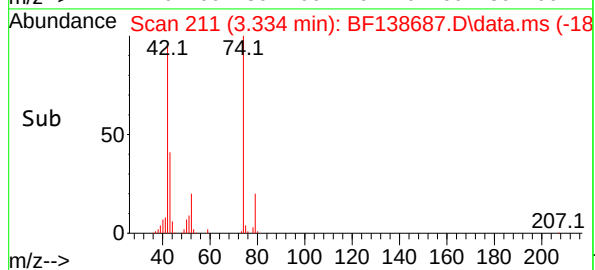
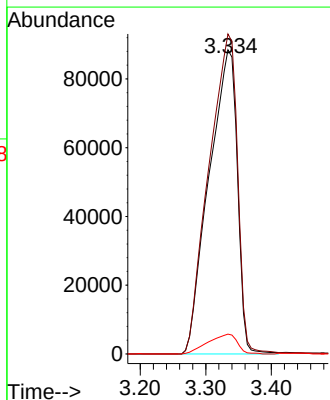
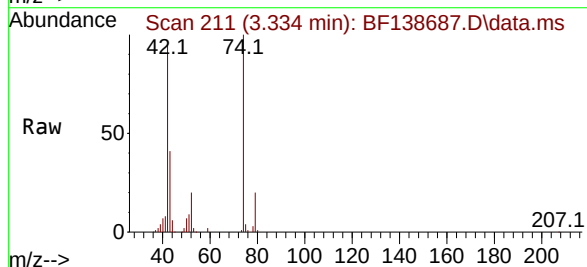
Tgt Ion: 42 Resp: 264606

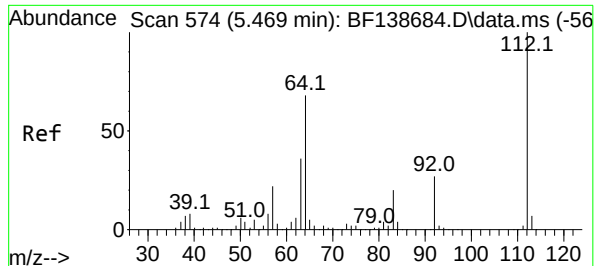
Ion Ratio Lower Upper

42 100

74 105.2 84.2 126.4

44 6.5 4.9 7.3

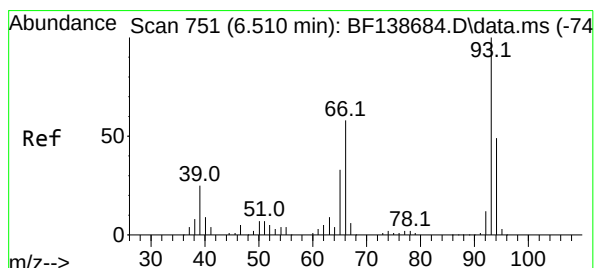
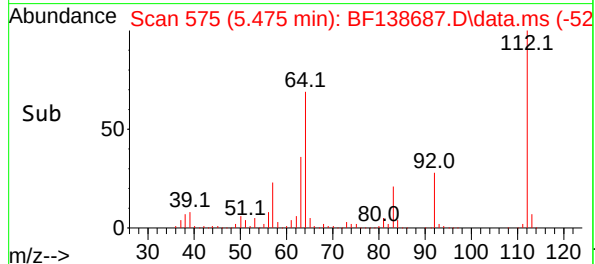
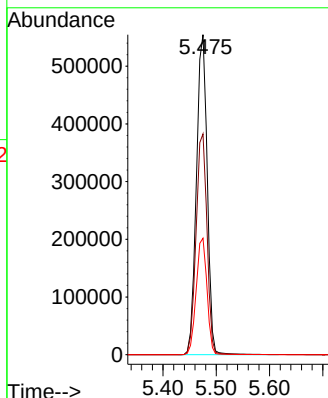
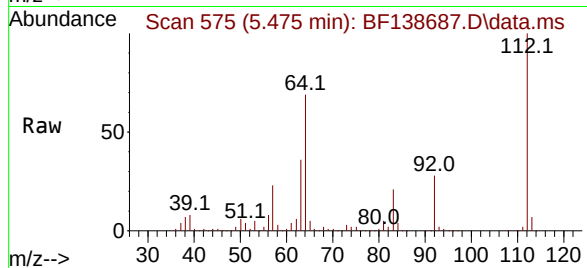




#5
2-Fluorophenol
Concen: 146.149 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

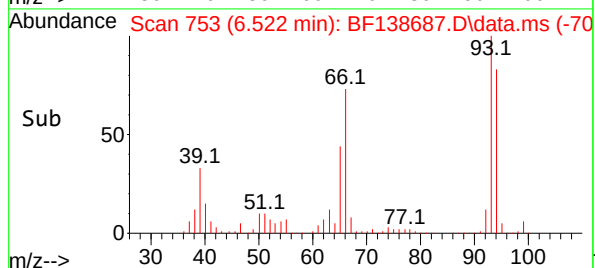
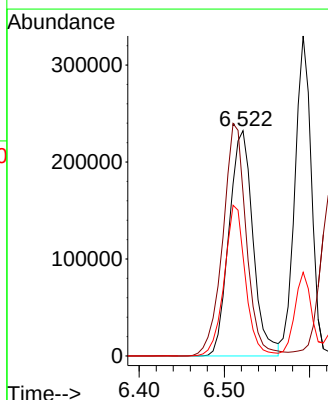
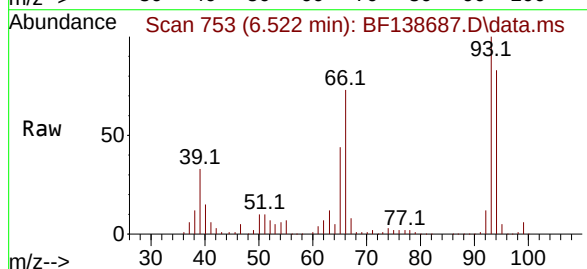
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

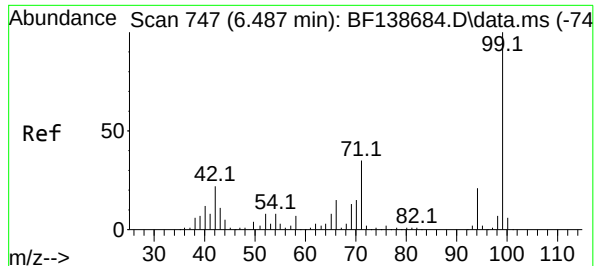
Tgt Ion:112 Resp: 779516
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.4
63 36.4 28.7 43.1



#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#

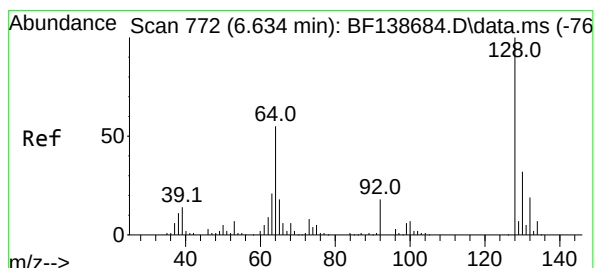
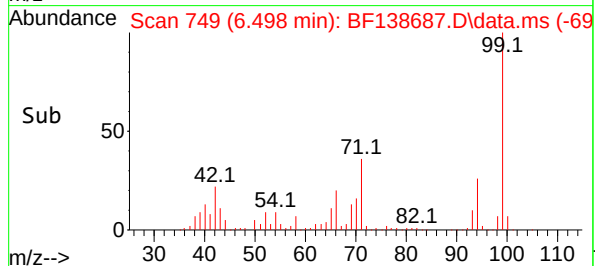
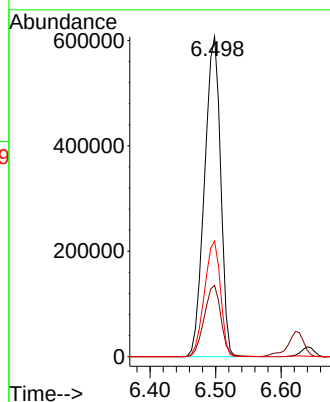
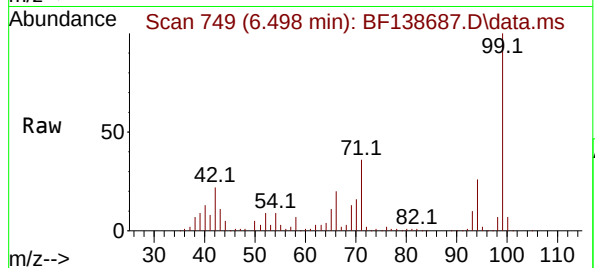




#7
Phenol-d6
Concen: 144.849 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

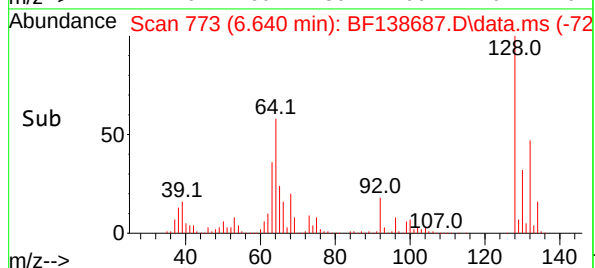
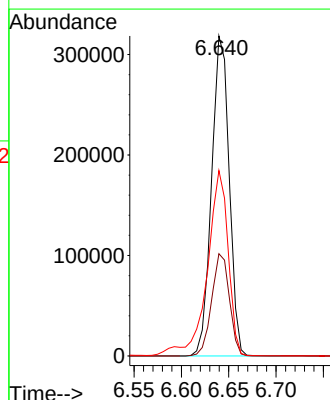
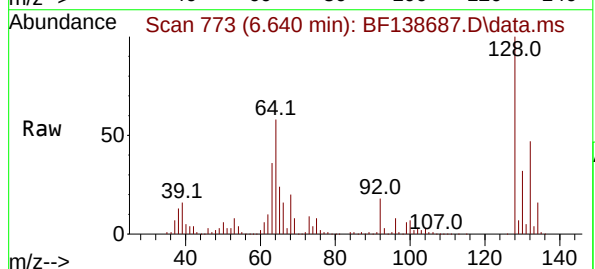
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

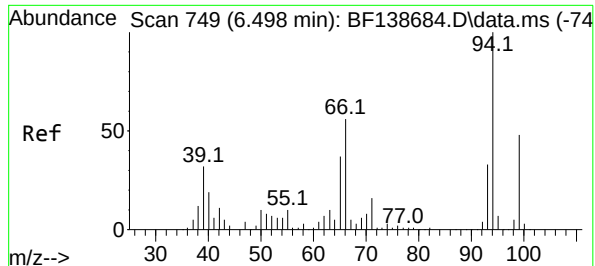
Tgt Ion: 99 Resp: 1037275
Ion Ratio Lower Upper
99 100
42 22.3 17.4 26.0
71 36.1 28.1 42.1



#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

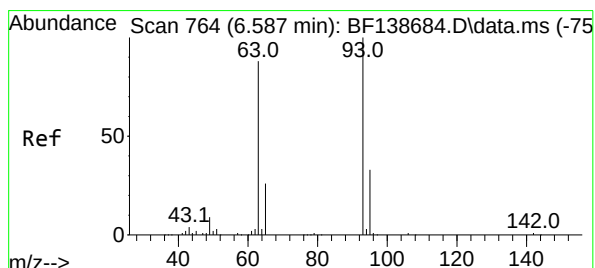
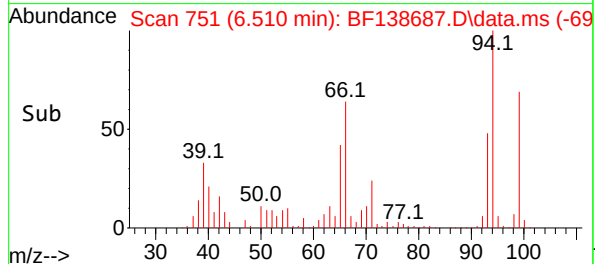
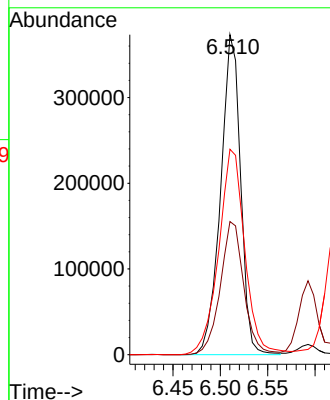
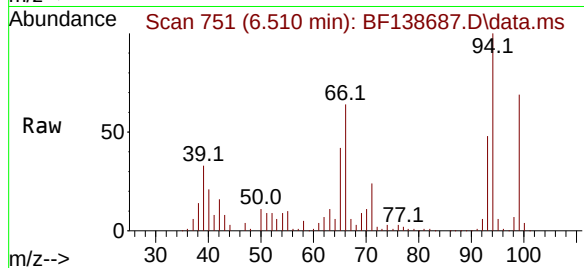
Tgt Ion: 94 Resp: 548122

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

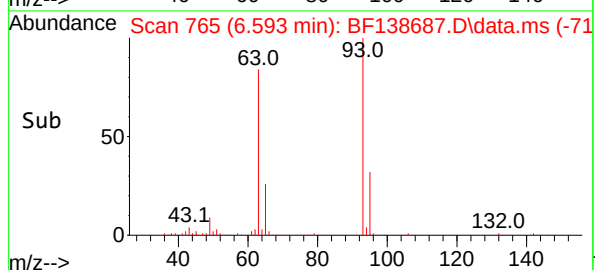
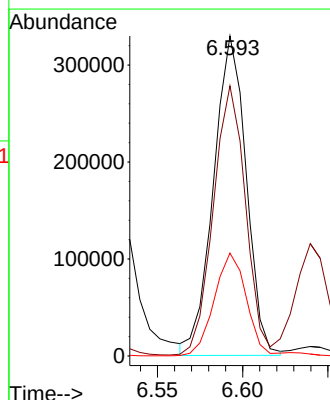
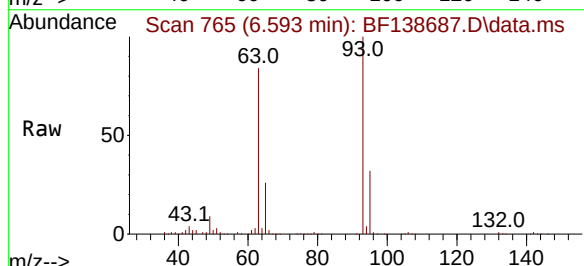
Tgt Ion: 93 Resp: 439507

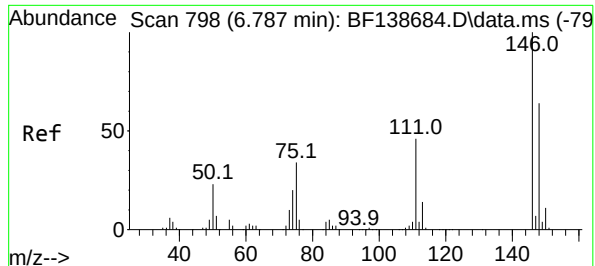
Ion Ratio Lower Upper

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 :

SSTDICC080

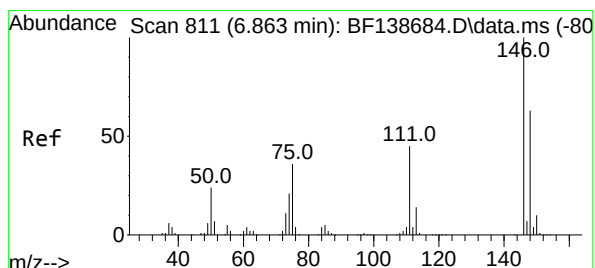
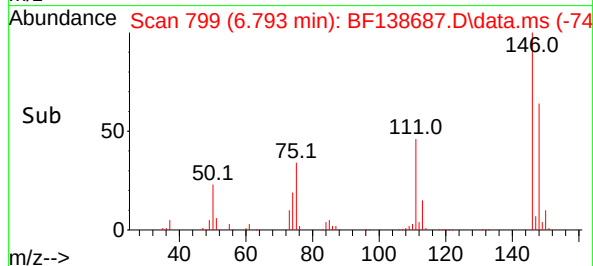
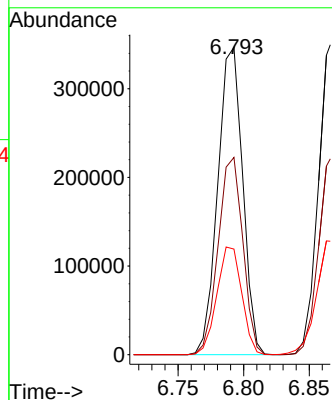
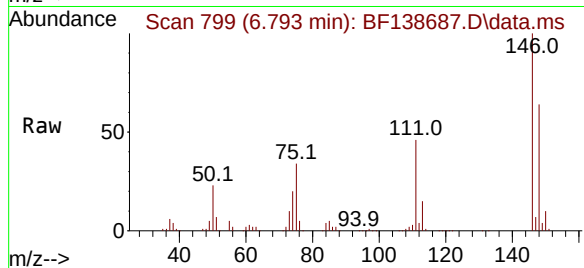
Tgt Ion:146 Resp: 457584

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

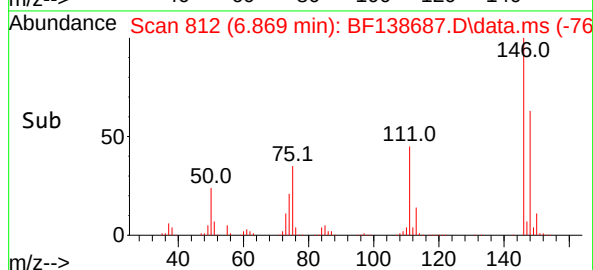
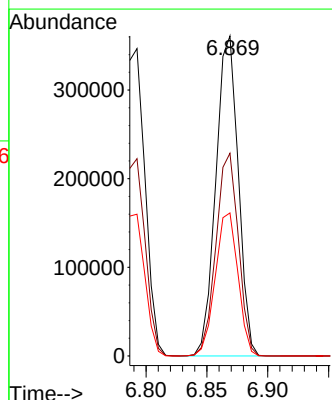
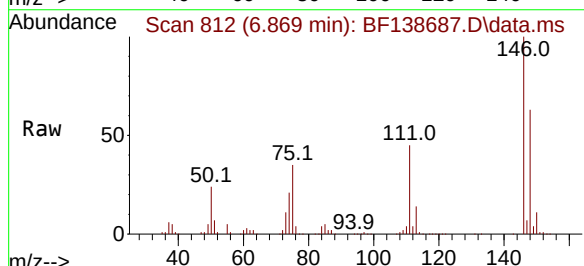
Tgt Ion:146 Resp: 463447

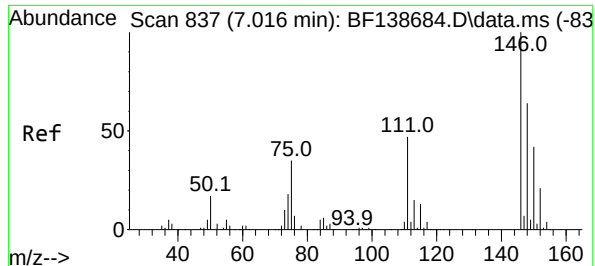
Ion Ratio Lower Upper

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

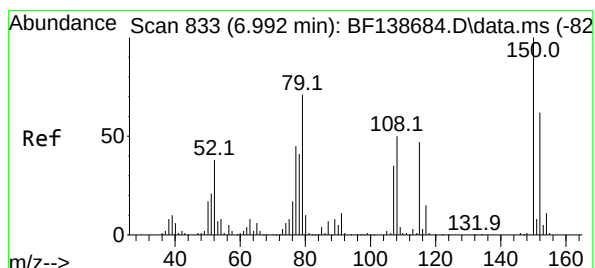
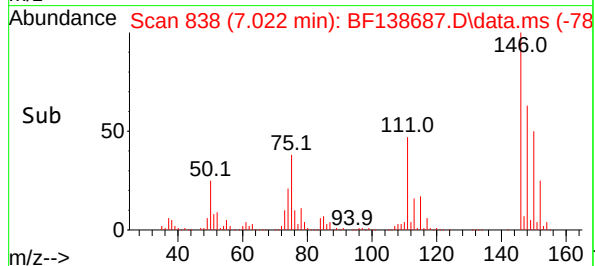
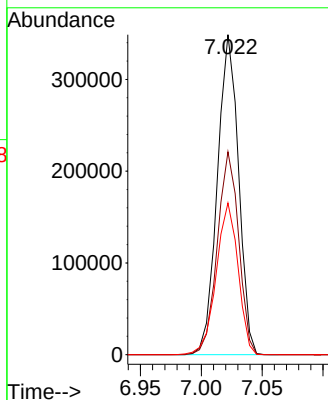
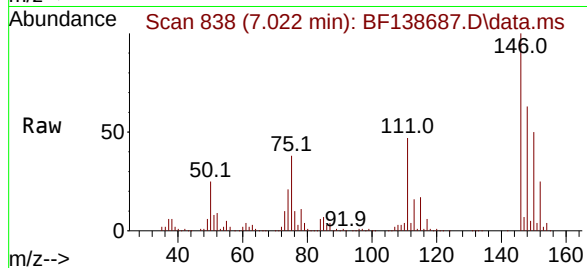
Tgt Ion:146 Resp: 422717

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

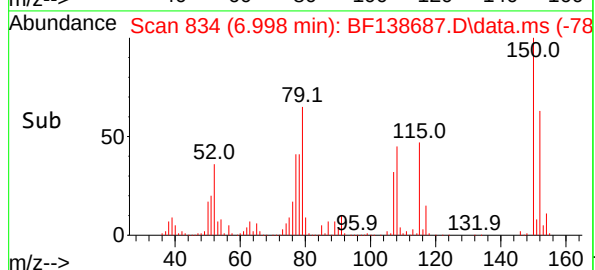
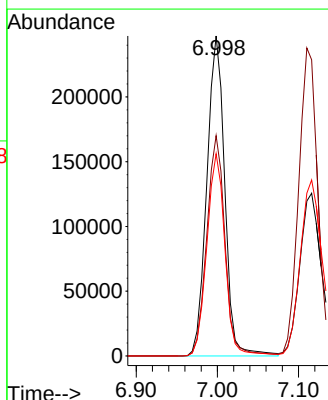
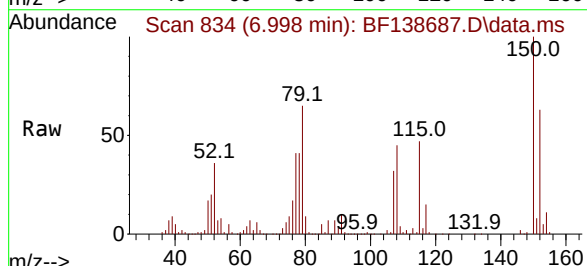
Tgt Ion: 79 Resp: 379102

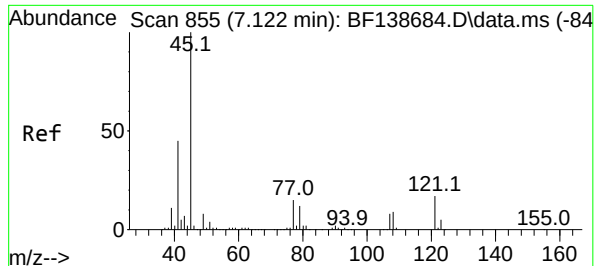
Ion Ratio Lower Upper

79 100

108 68.9 56.6 85.0

77 63.2 50.3 75.5

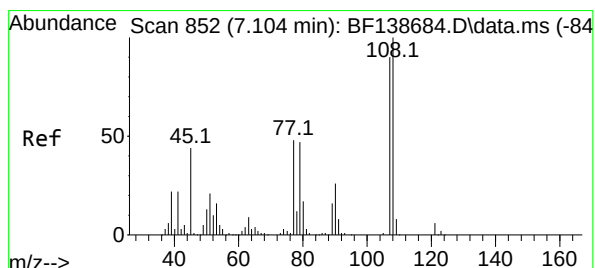
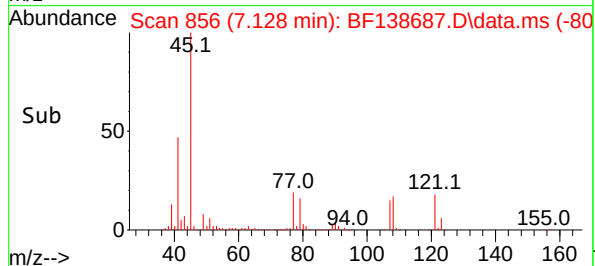
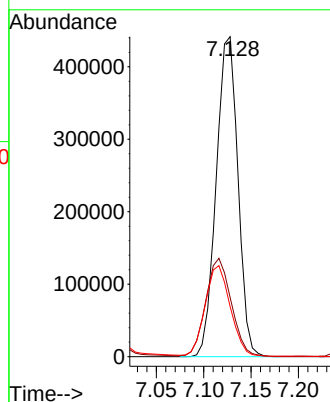
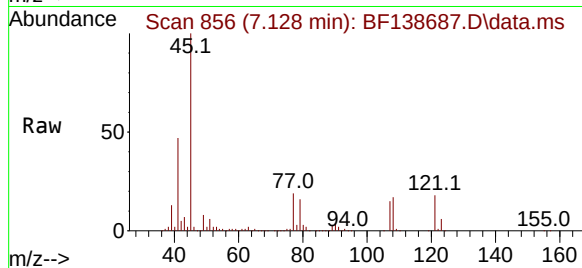




#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.510 ng
RT: 7.128 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

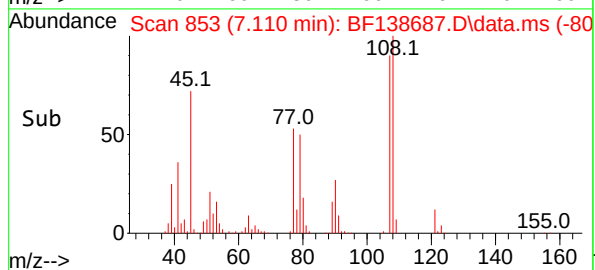
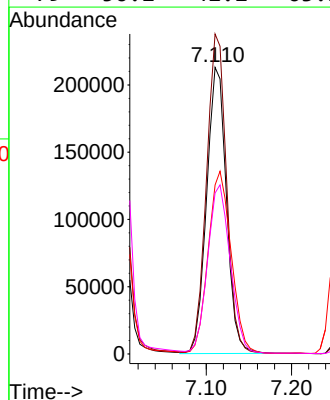
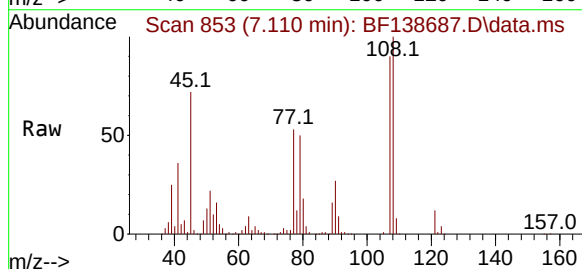
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

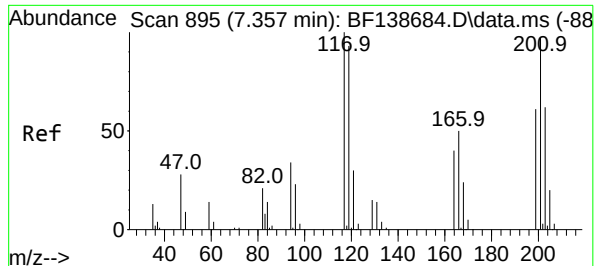
Tgt Ion: 45 Resp: 704056
Ion Ratio Lower Upper
45 100
77 18.5 0.0 34.9
79 15.7 0.0 32.2



#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

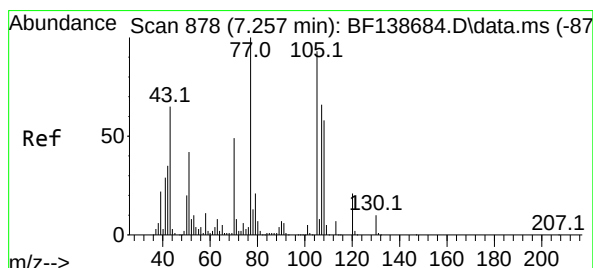
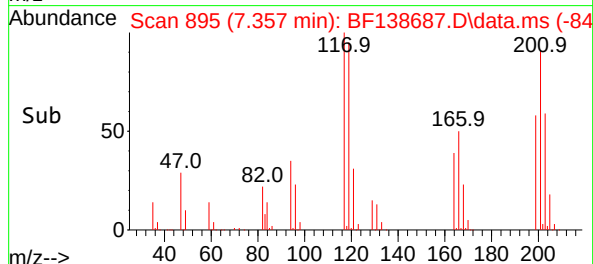
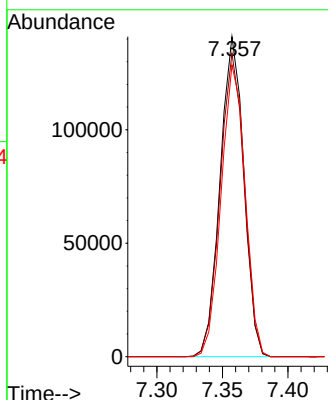
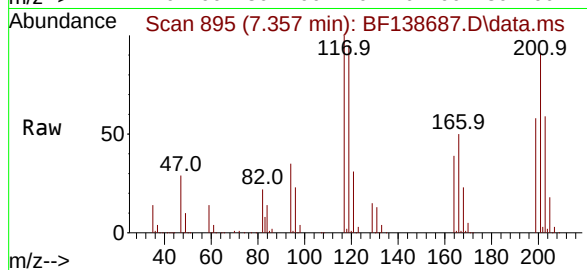
Tgt Ion:117 Resp: 177915

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

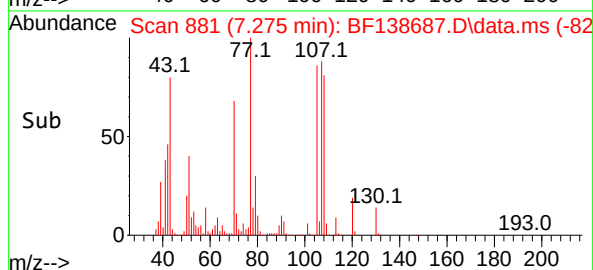
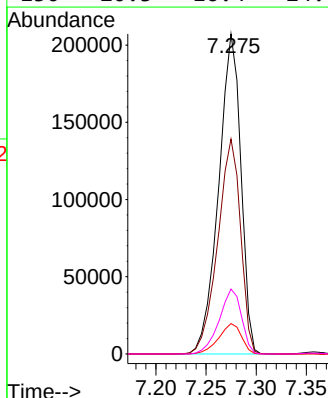
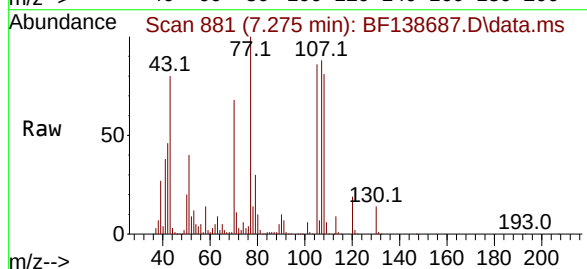
Ion Ratio Lower Upper

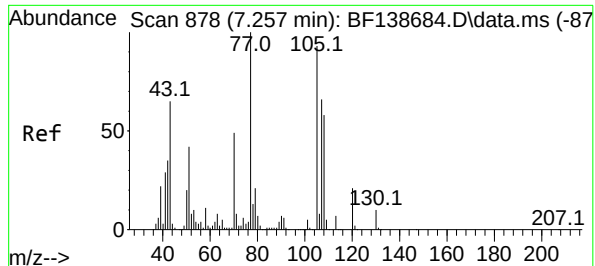
70 100

42 67.1 57.4 86.0

101 9.5 7.5 11.3

130 20.3 16.4 24.6

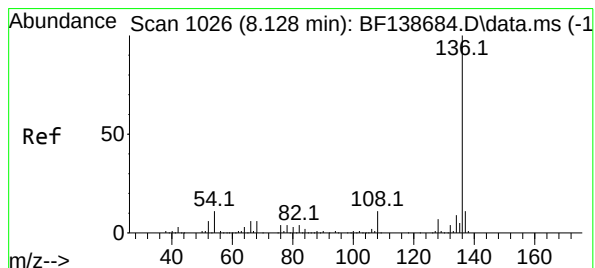
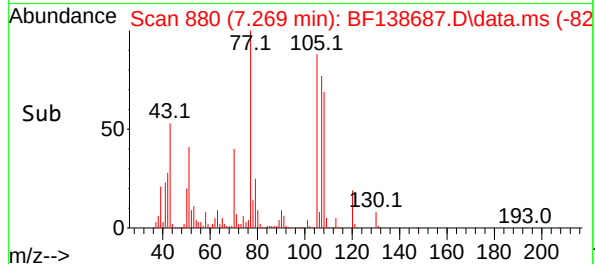
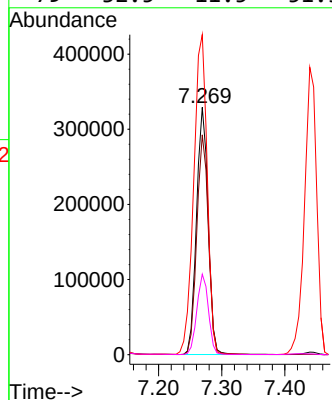
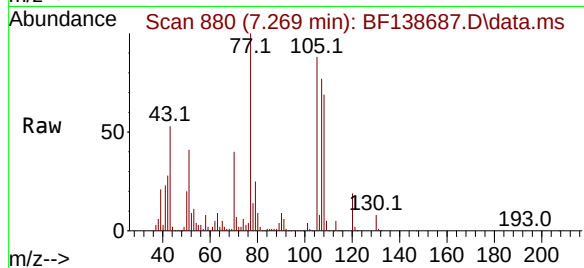




#20
3+4-Methylphenols
Concen: 70.728 ng
RT: 7.269 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

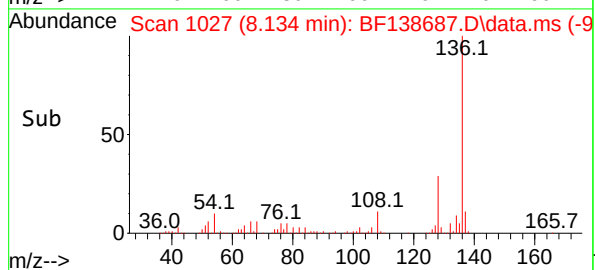
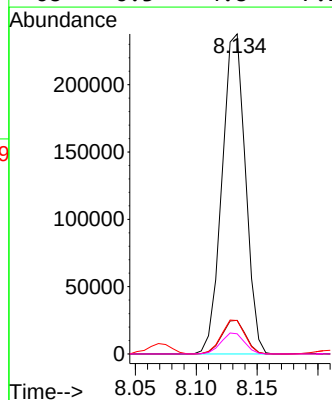
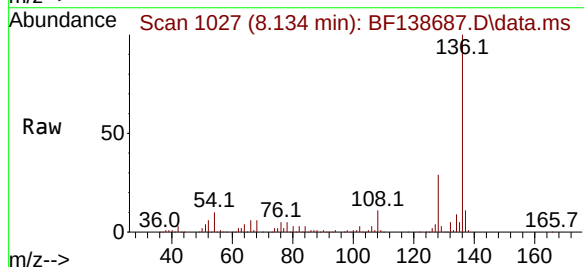
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

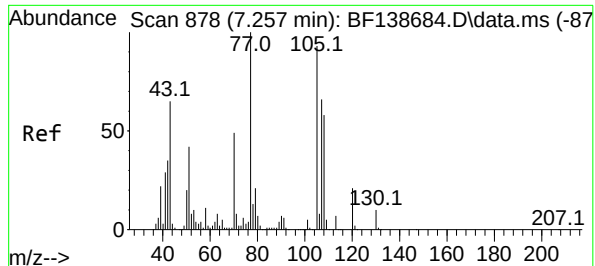
Tgt Ion:107 Resp: 420506
Ion Ratio Lower Upper
107 100
108 88.9 68.2 108.2
77 129.4 132.1 172.1#
79 32.5 11.5 51.5



#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

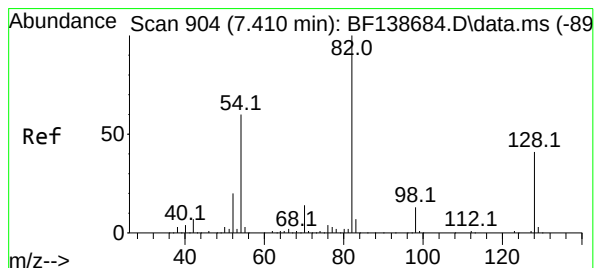
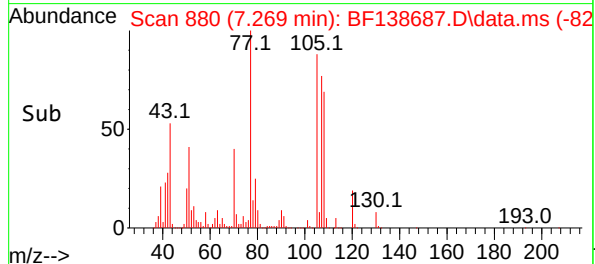
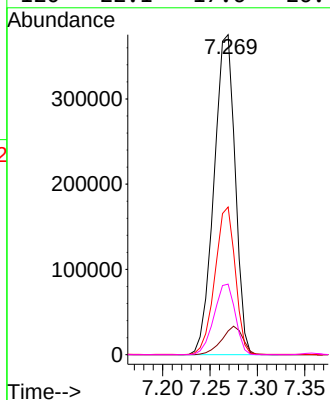
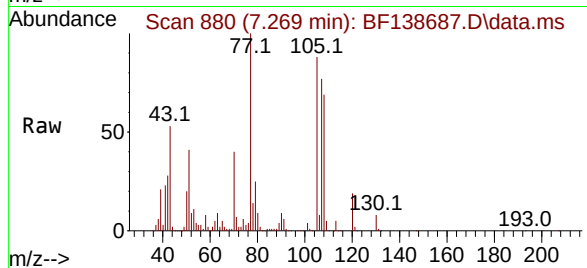




#22
Acetophenone
Concen: 74.849 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

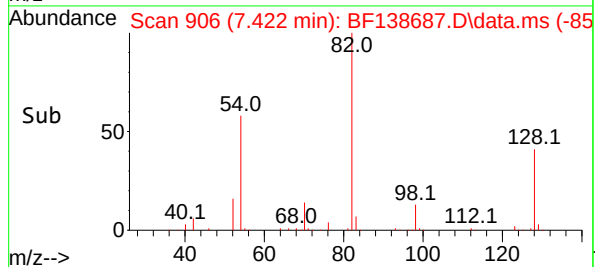
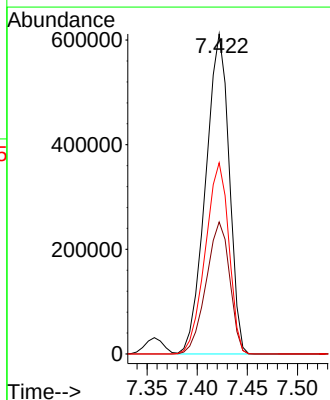
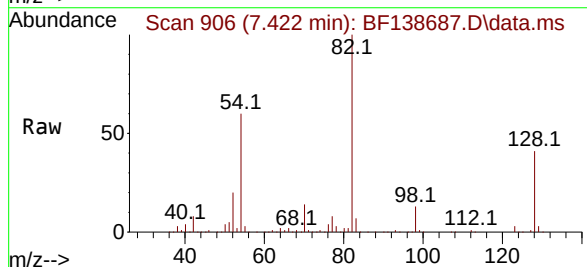
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

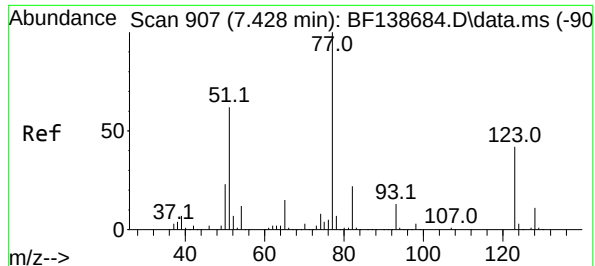
Tgt Ion:105 Resp: 583306
Ion Ratio Lower Upper
105 100
71 7.4 7.2 10.8
51 46.1 35.9 53.9
120 22.1 17.6 26.4



#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

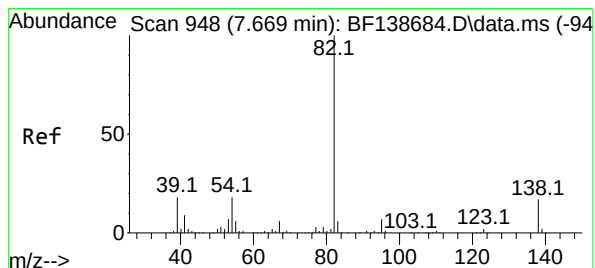
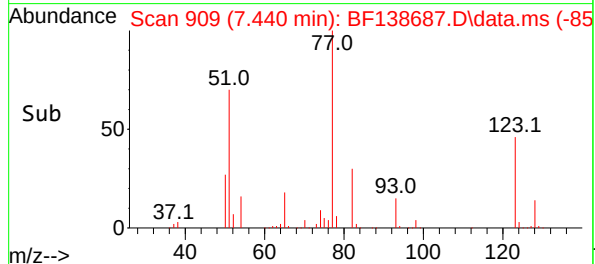
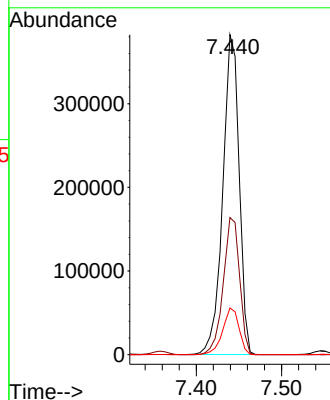
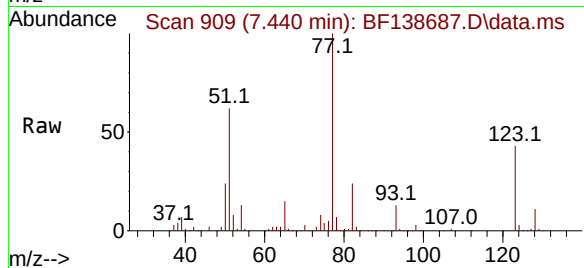




#24
Nitrobenzene
Concen: 77.019 ng
RT: 7.440 min Scan# 90
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

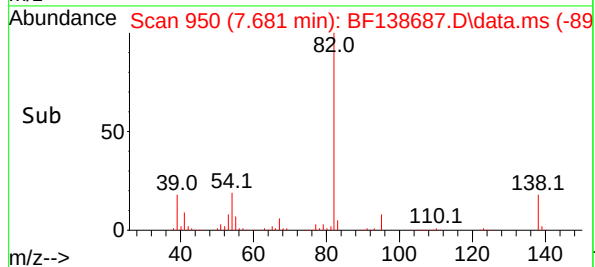
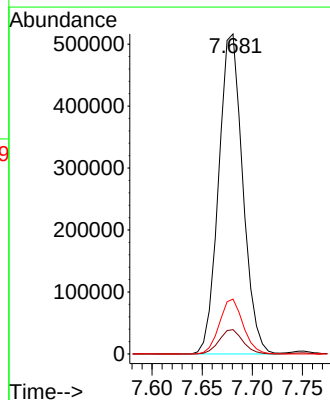
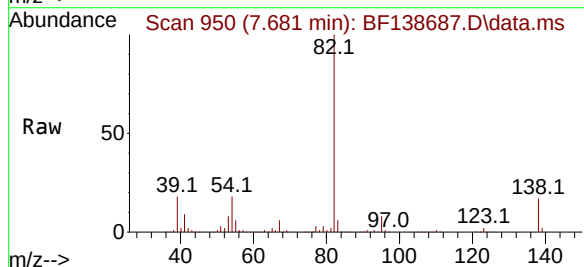
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

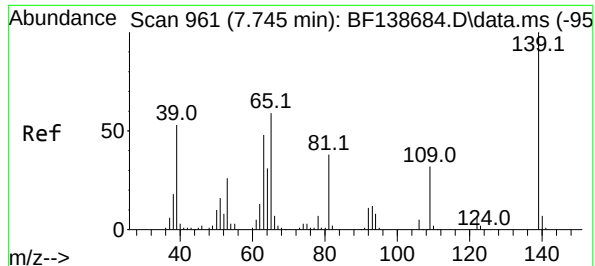
Tgt Ion: 77 Resp: 510201
Ion Ratio Lower Upper
77 100
123 42.8 33.3 49.9
65 14.6 11.9 17.9



#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
138 17.2 13.7 20.5





#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

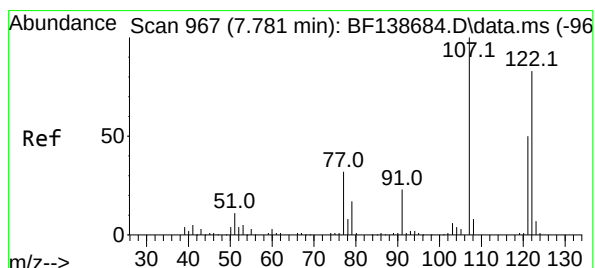
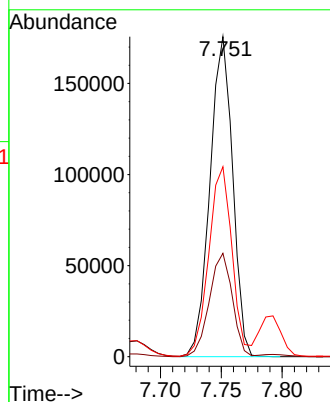
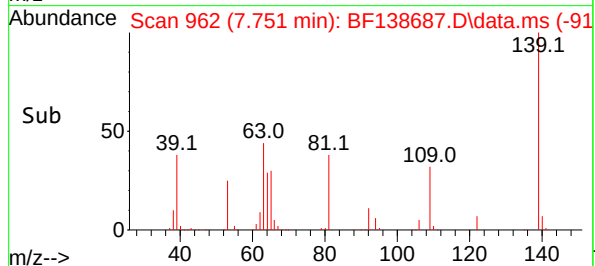
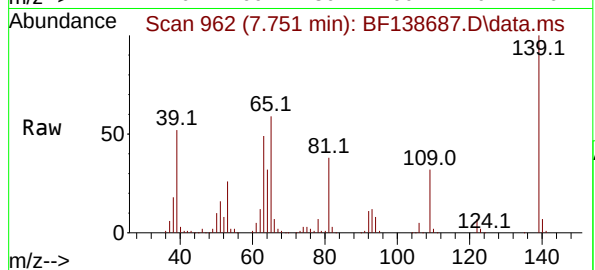
Tgt Ion:139 Resp: 227531

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

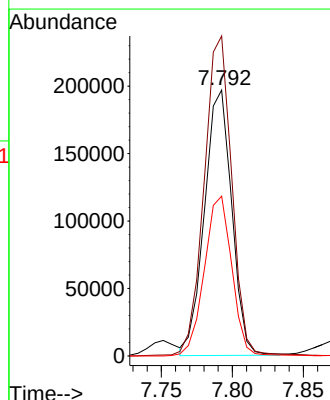
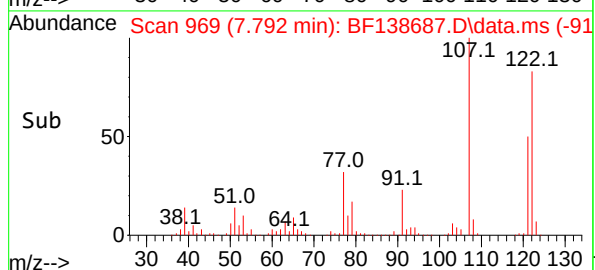
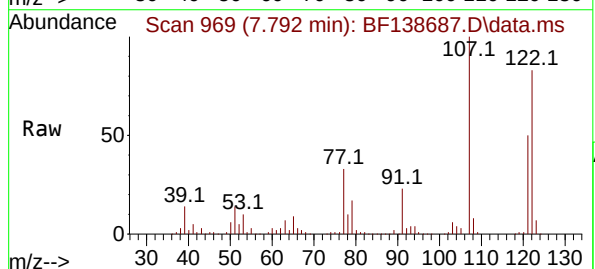
Tgt Ion:122 Resp: 263469

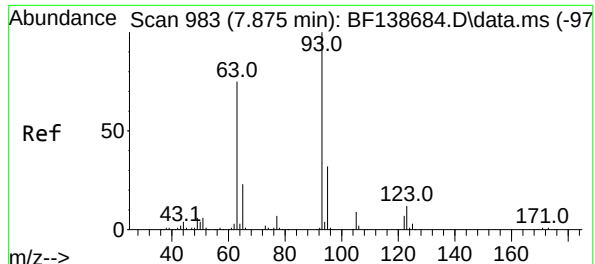
Ion Ratio Lower Upper

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

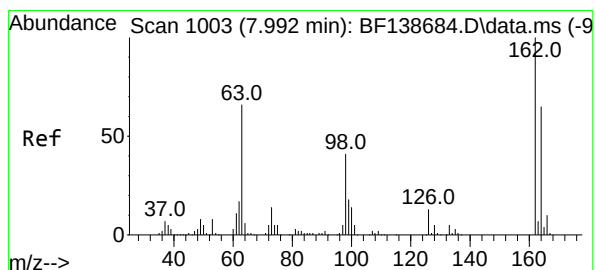
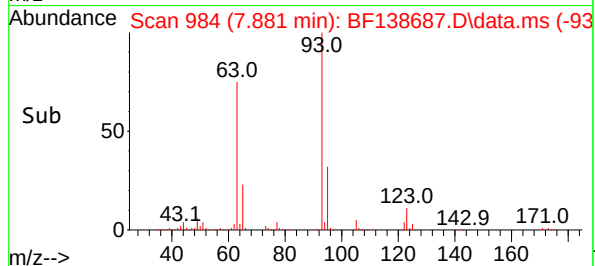
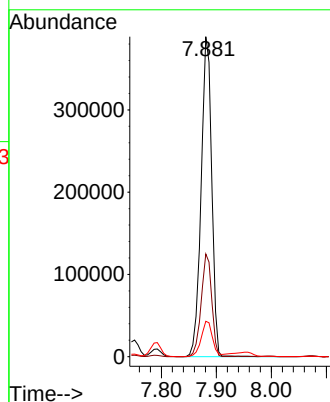
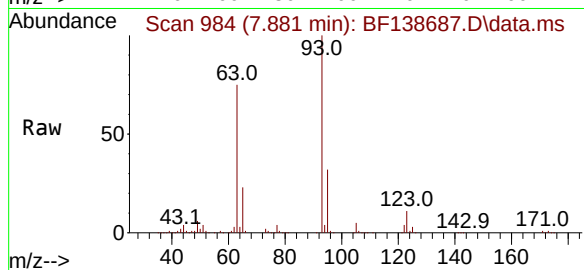
Tgt Ion: 93 Resp: 522528

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

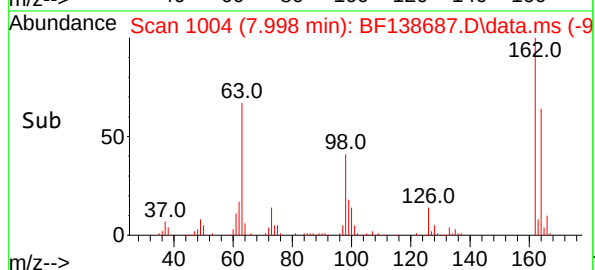
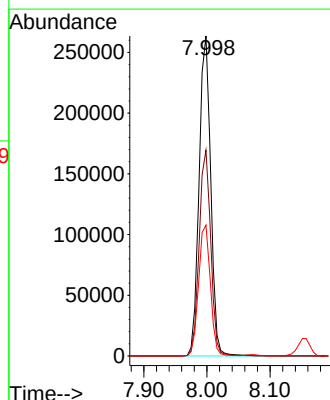
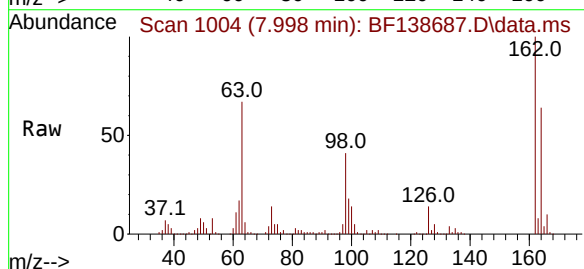
Tgt Ion: 162 Resp: 336540

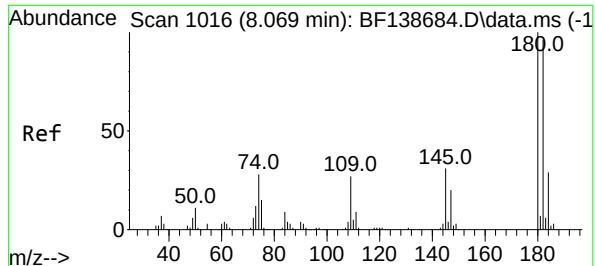
Ion Ratio Lower Upper

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

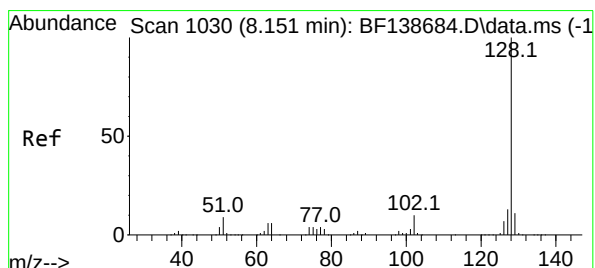
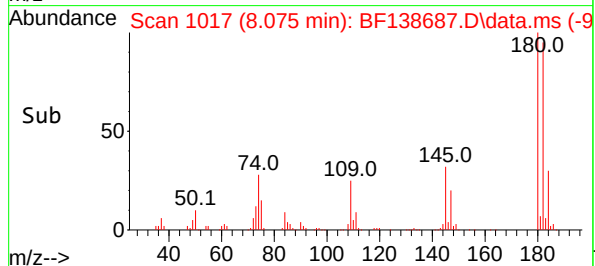
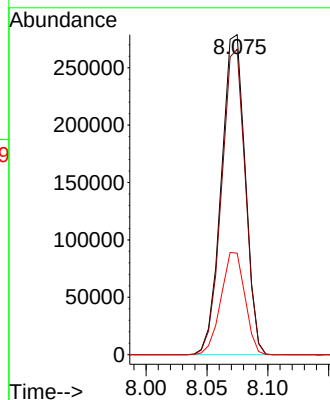
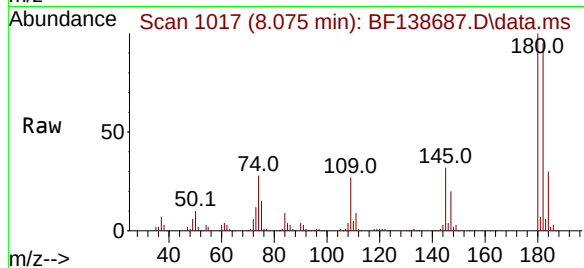
Tgt Ion:180 Resp: 381296

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

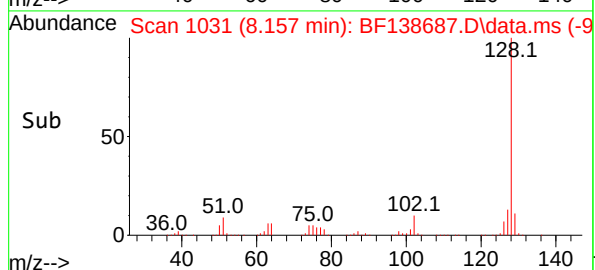
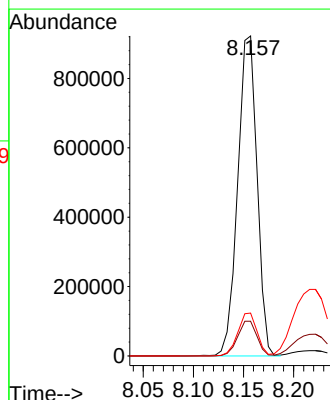
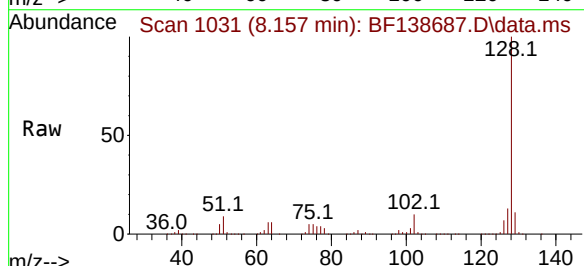
Tgt Ion:128 Resp: 1242069

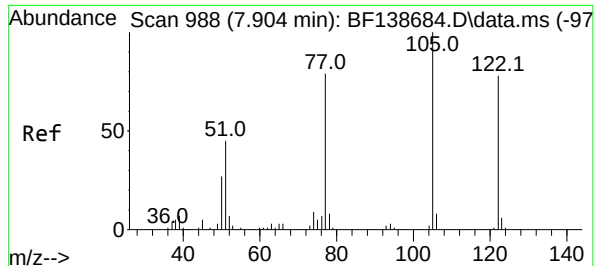
Ion Ratio Lower Upper

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

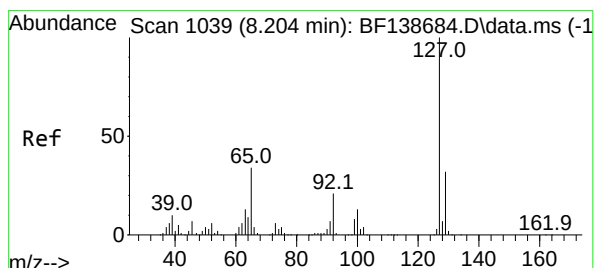
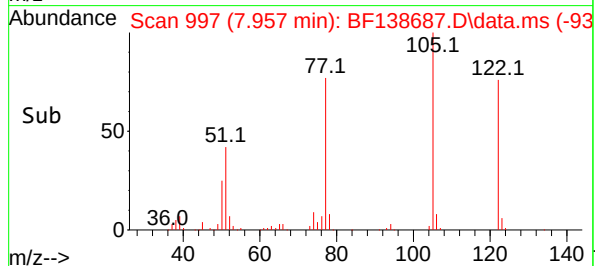
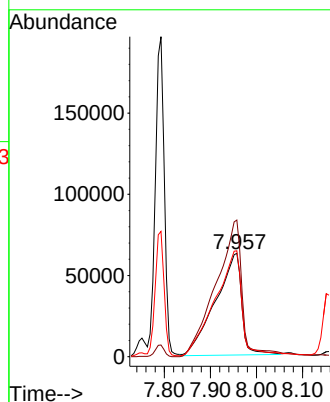
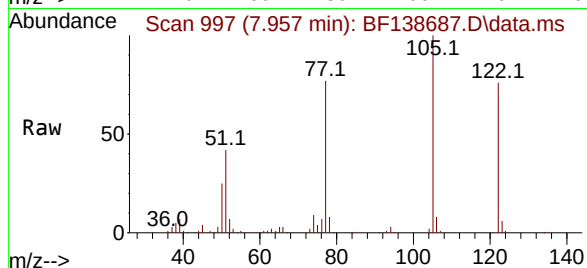
Tgt Ion:122 Resp: 247058

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

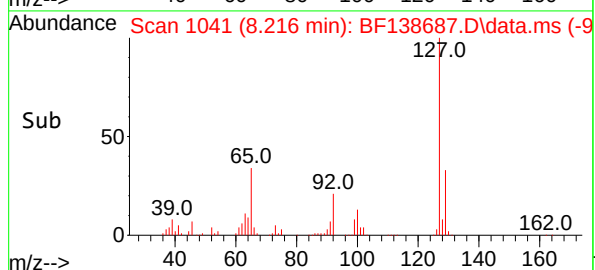
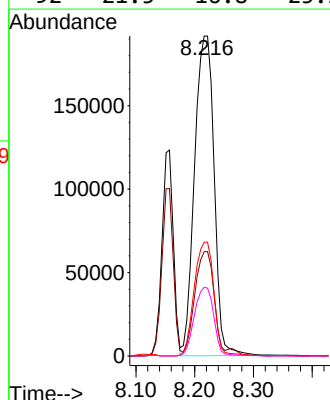
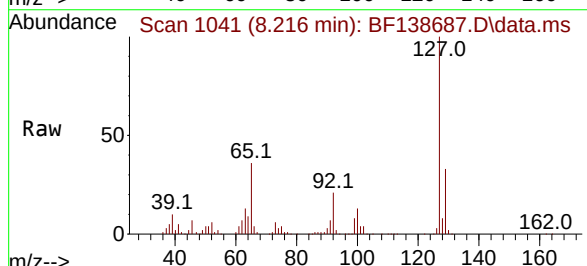
Ion Ratio Lower Upper

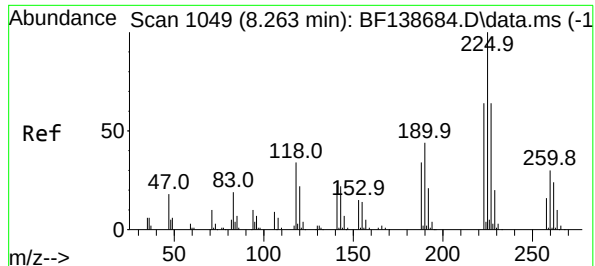
127 100

129 32.6 25.9 38.9

65 35.6 27.6 41.4

92 21.5 16.8 25.2

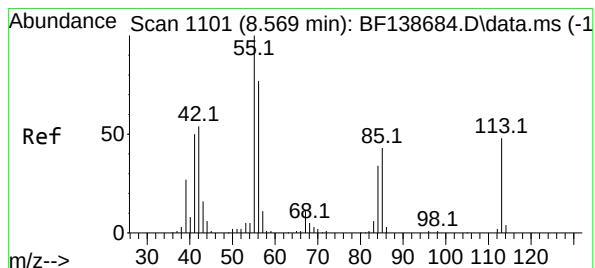
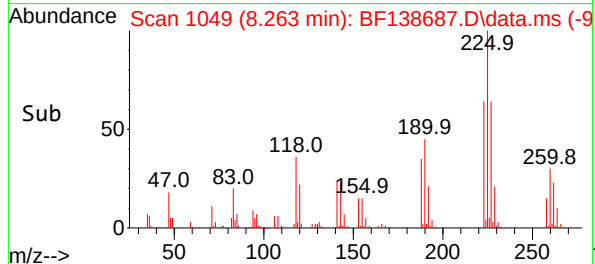
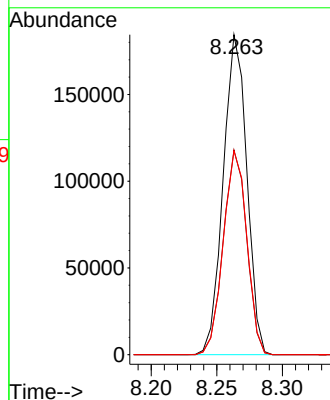
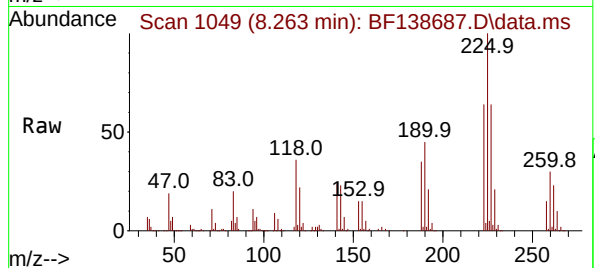




#34
Hexachlorobutadiene
Concen: 75.351 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

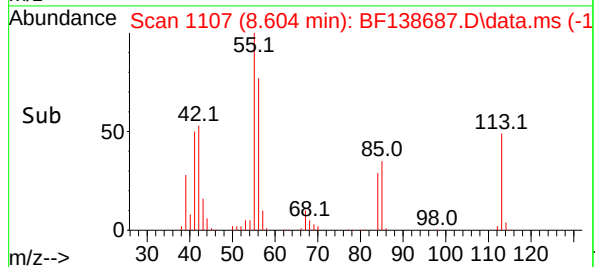
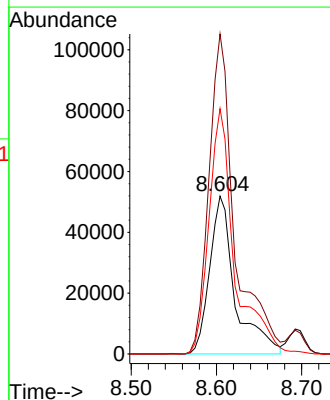
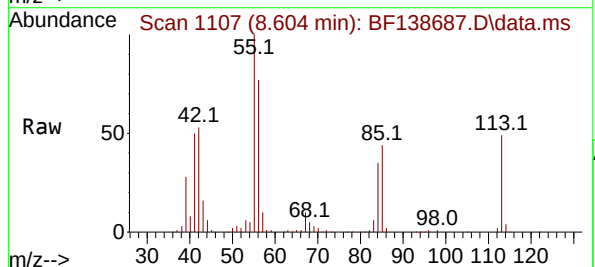
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

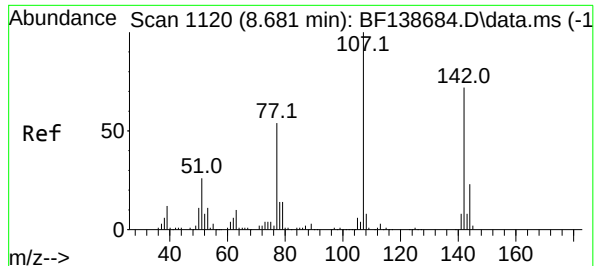
Tgt Ion:225 Resp: 230783
Ion Ratio Lower Upper
225 100
223 64.0 51.2 76.8
227 63.7 51.1 76.7



#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

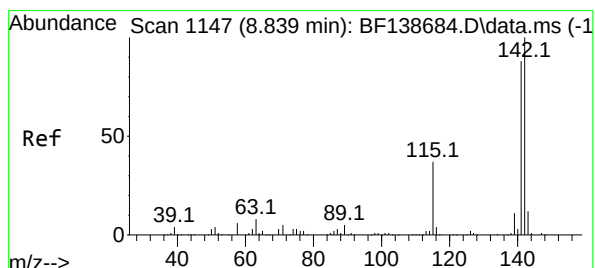
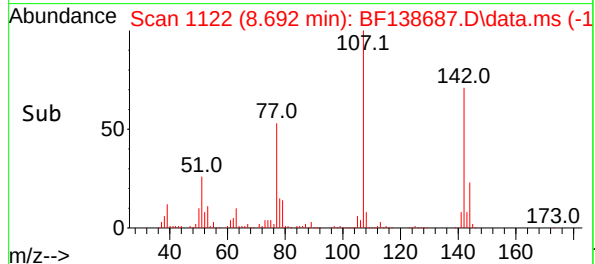
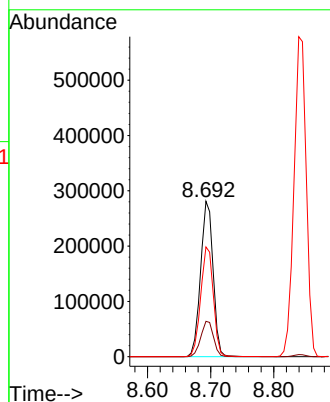
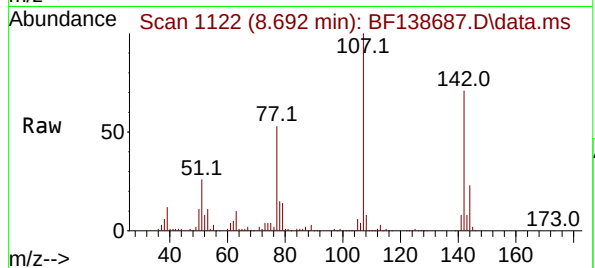




#36
4-Chloro-3-methylphenol
Concen: 77.158 ng
RT: 8.692 min Scan# 1120
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

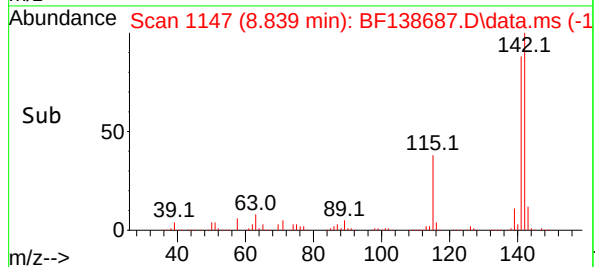
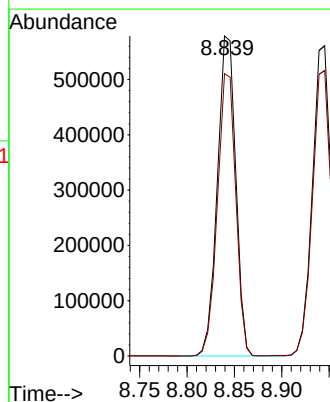
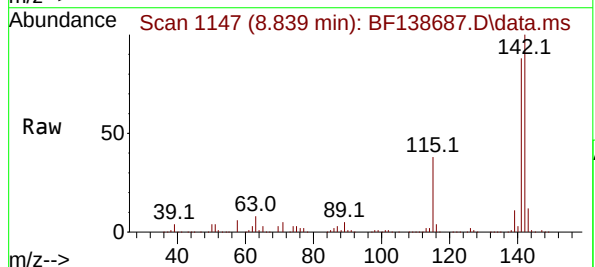
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

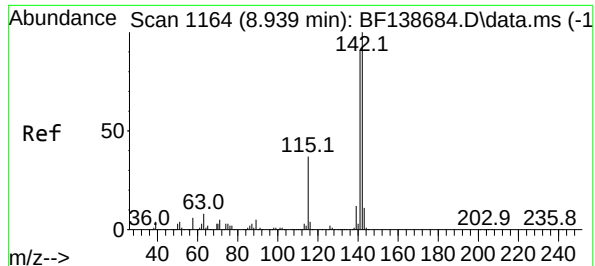
Tgt Ion:107 Resp: 386382
Ion Ratio Lower Upper
107 100
144 22.8 18.2 27.2
142 70.7 57.4 86.2



#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 :

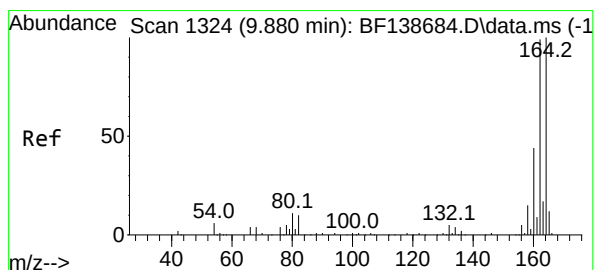
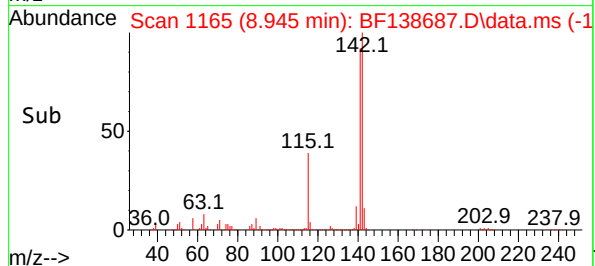
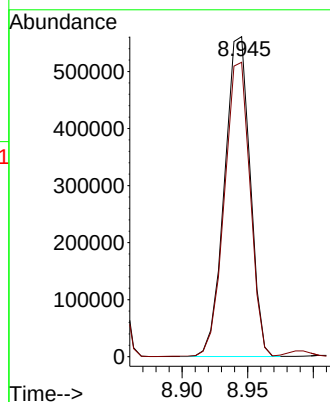
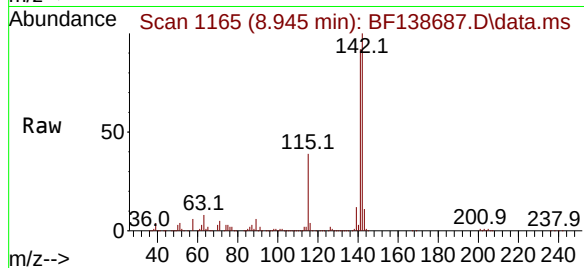
SSTDICC080

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

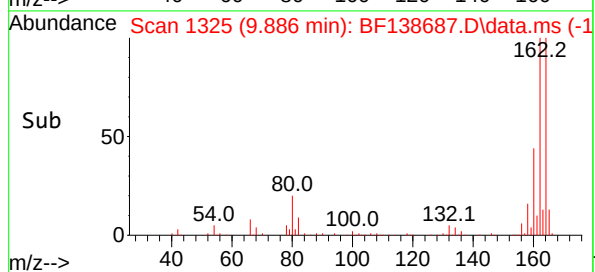
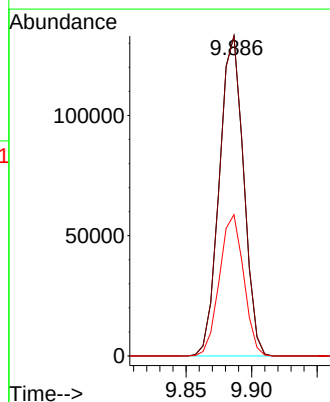
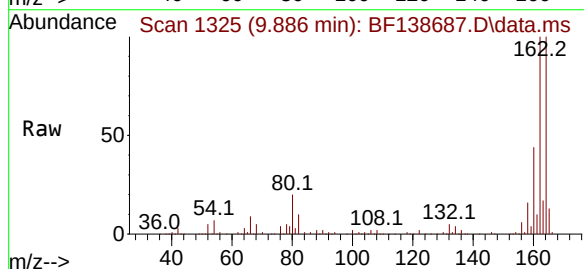
Tgt Ion:164 Resp: 170513

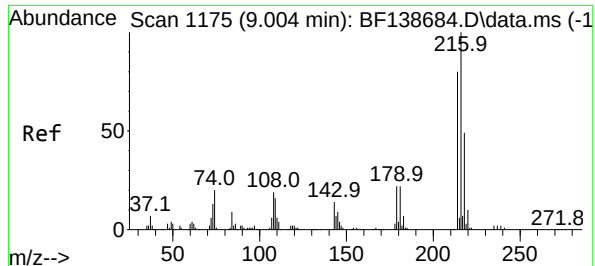
Ion Ratio Lower Upper

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

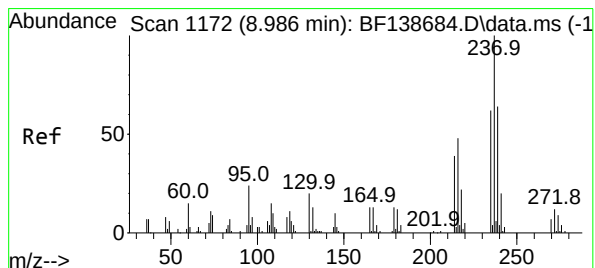
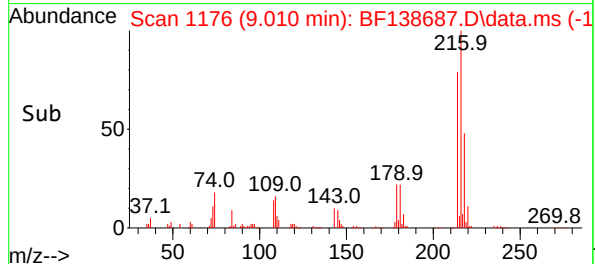
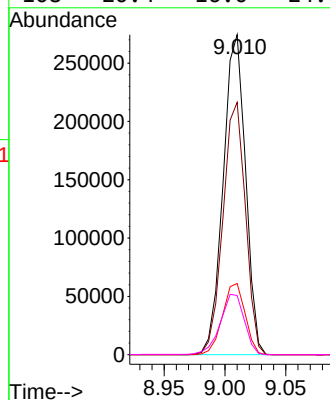
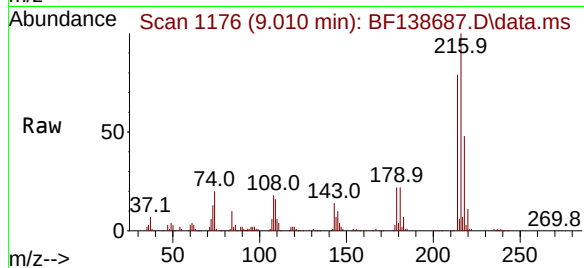
Ion Ratio Lower Upper

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

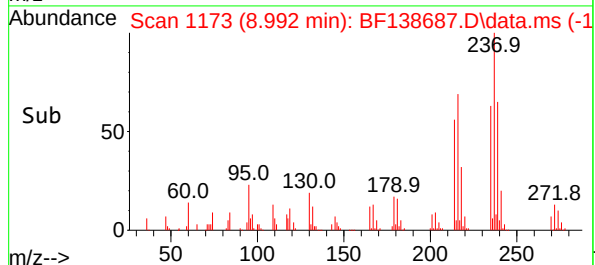
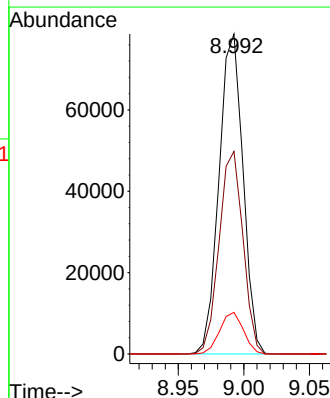
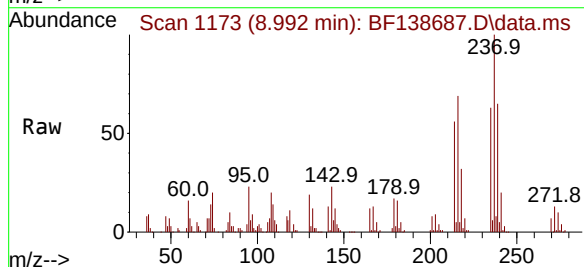
Tgt Ion:237 Resp: 99926

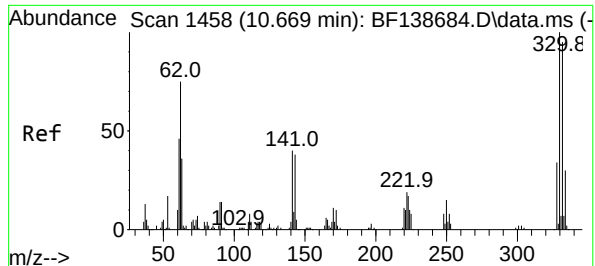
Ion Ratio Lower Upper

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

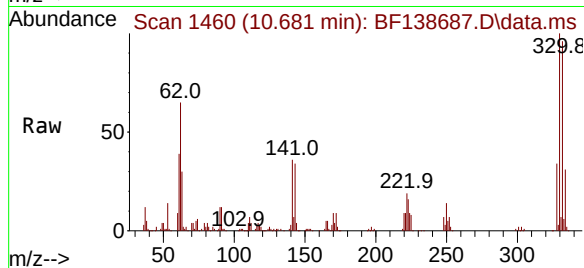
Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



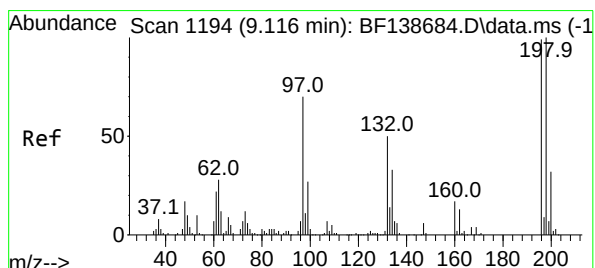
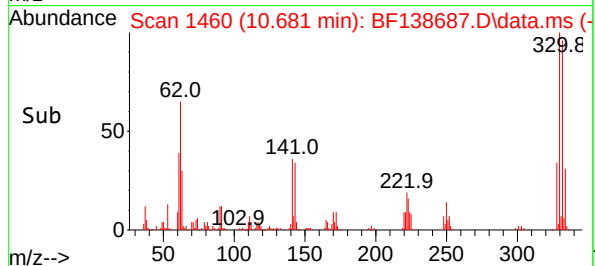
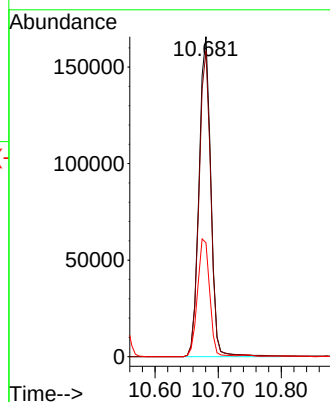
Tgt Ion:330 Resp: 215316

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

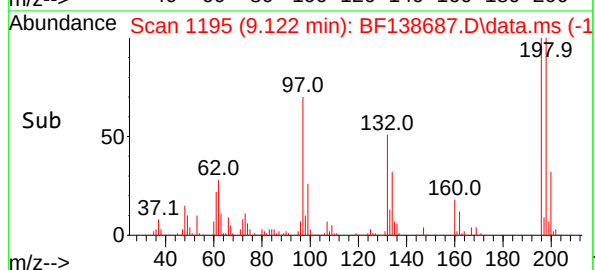
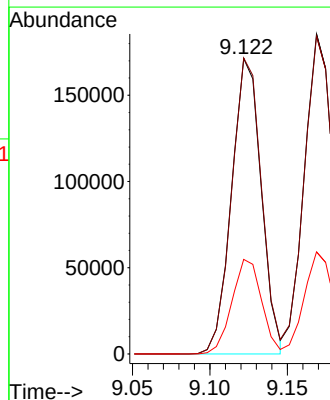
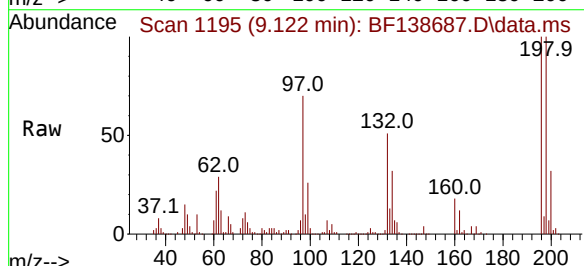
Tgt Ion:196 Resp: 227901

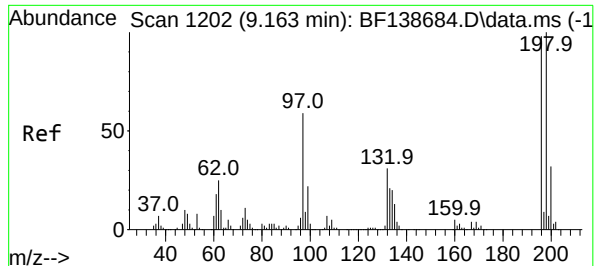
Ion Ratio Lower Upper

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

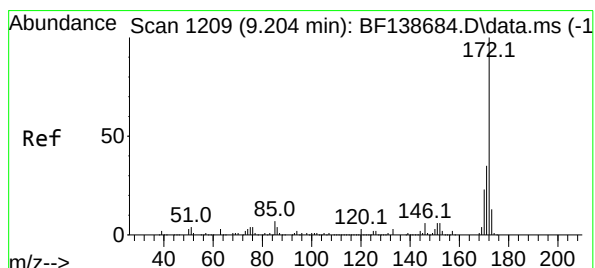
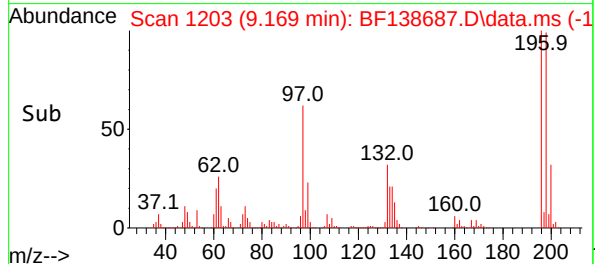
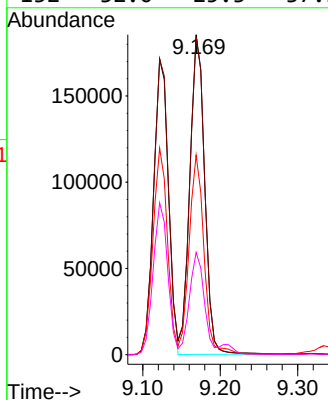
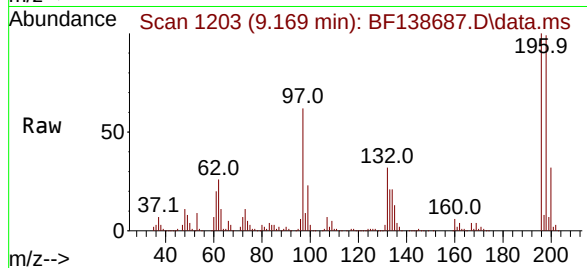
Ion Ratio Lower Upper

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

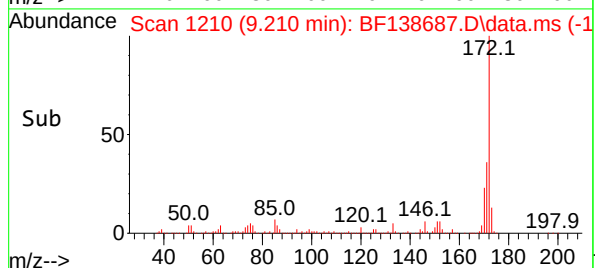
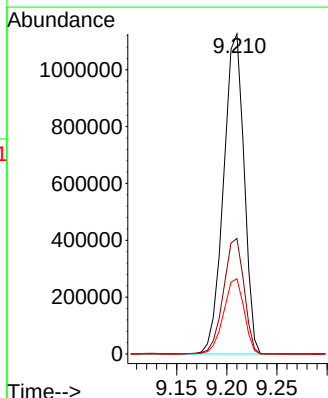
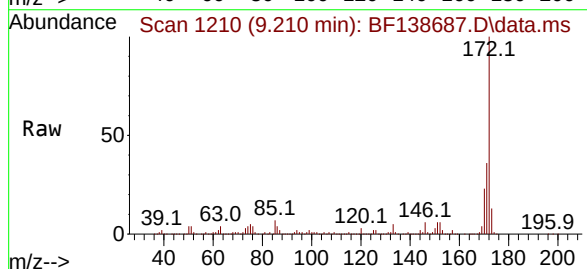
Tgt Ion:172 Resp: 1598378

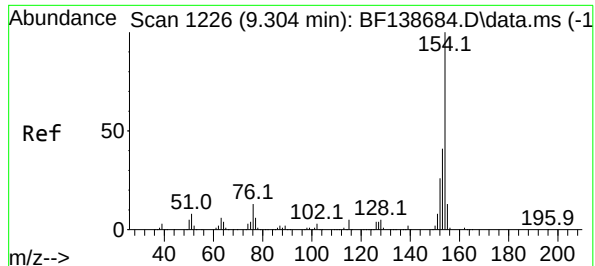
Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.5 18.8 28.2

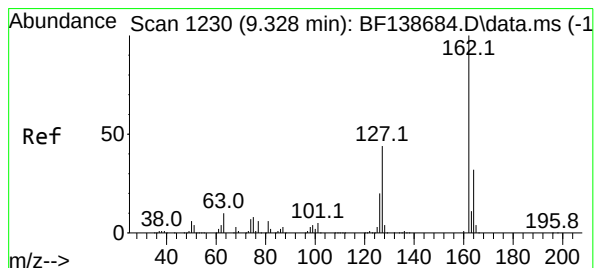
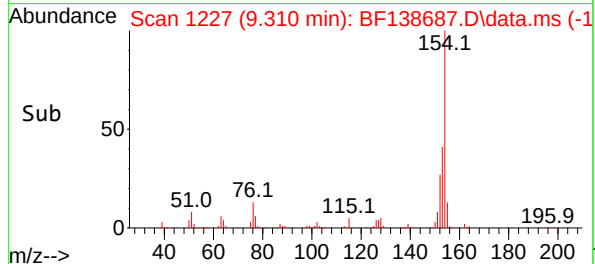
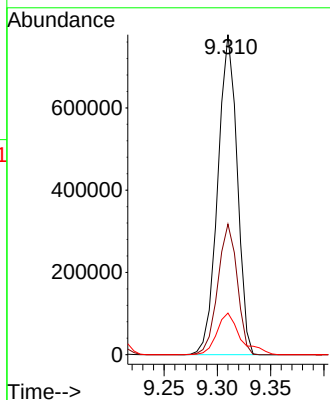
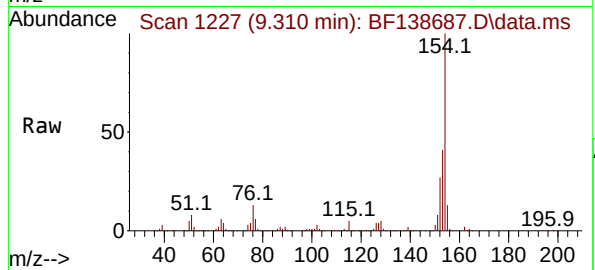




#46
1,1'-Biphenyl
Concen: 73.651 ng
RT: 9.310 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

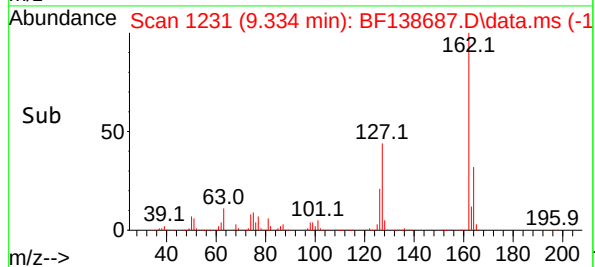
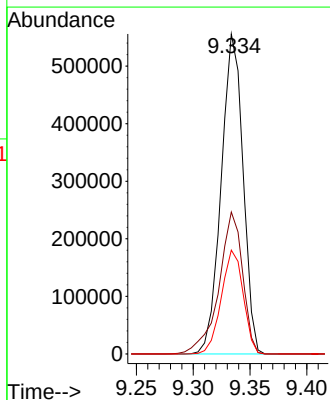
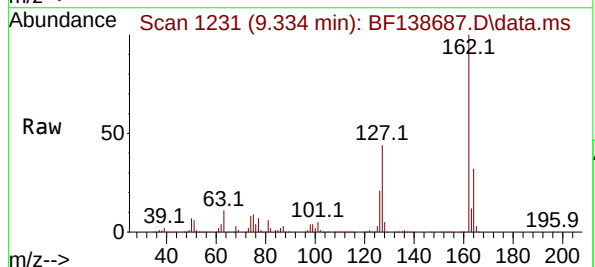
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

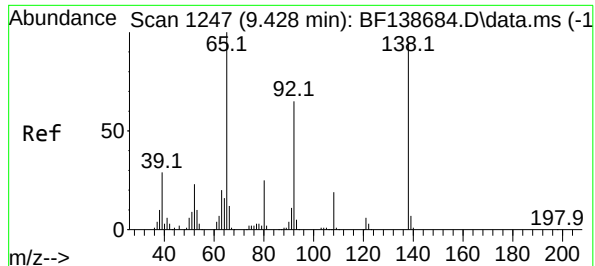
Tgt Ion:154 Resp: 983564
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 13.0 0.0 32.8



#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

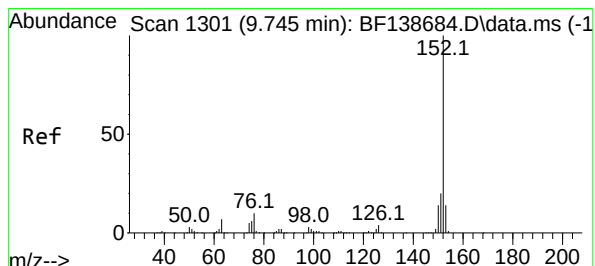
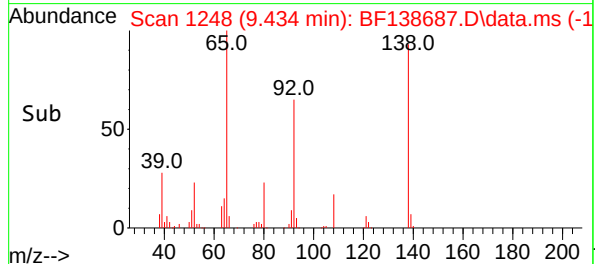
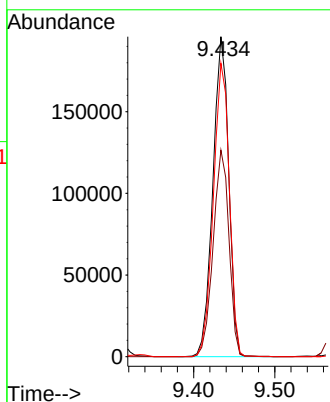
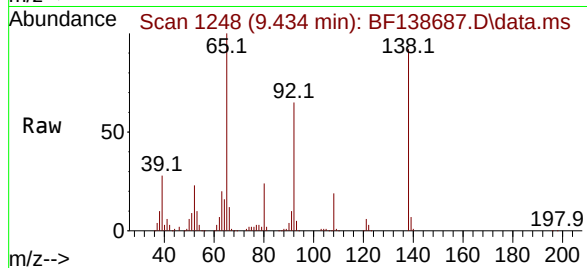




#48
2-Nitroaniline
Concen: 79.066 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

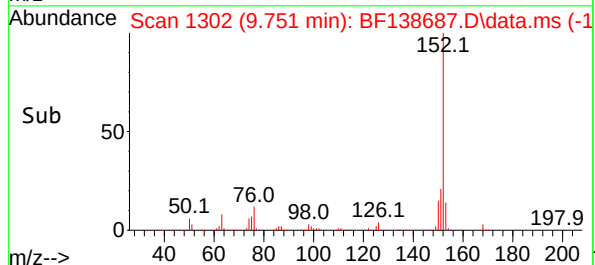
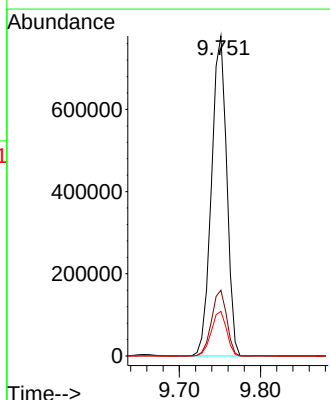
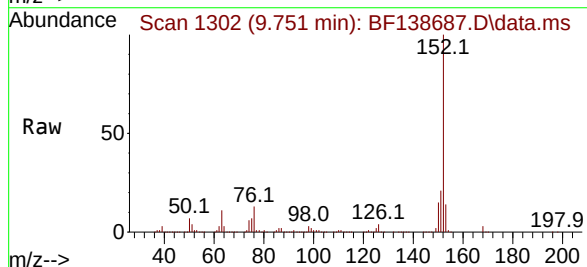
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

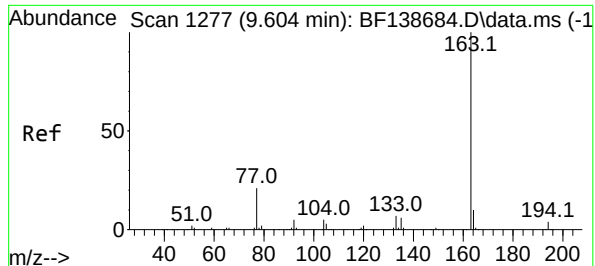
Tgt Ion: 65 Resp: 266220
Ion Ratio Lower Upper
65 100
92 64.6 52.0 78.0
138 91.7 76.2 114.4



#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

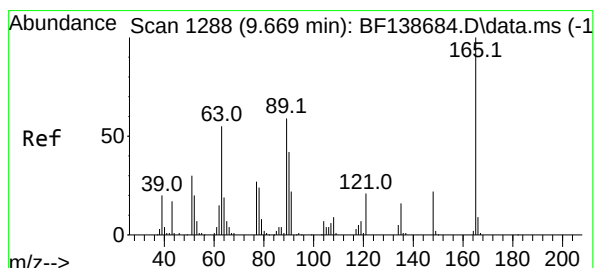
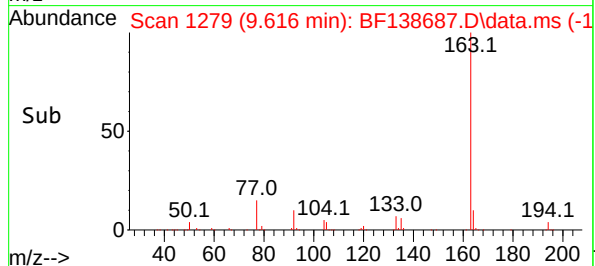
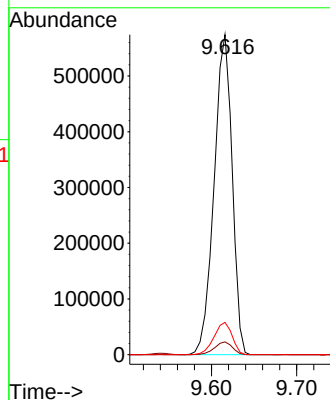
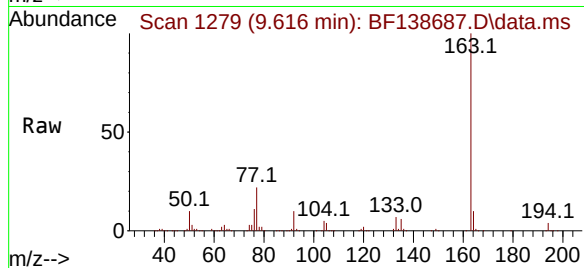
Tgt Ion:163 Resp: 843645

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

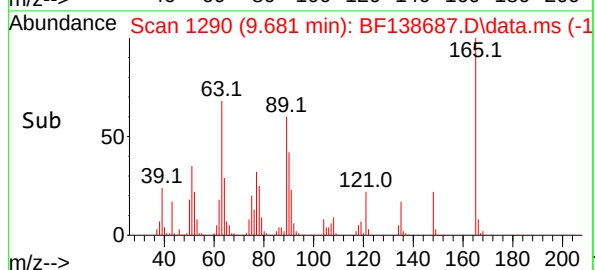
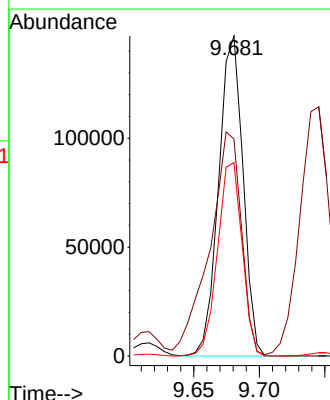
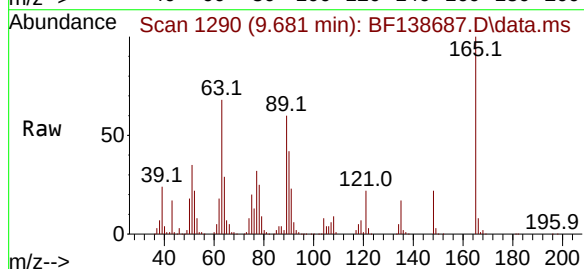
Tgt Ion:165 Resp: 189138

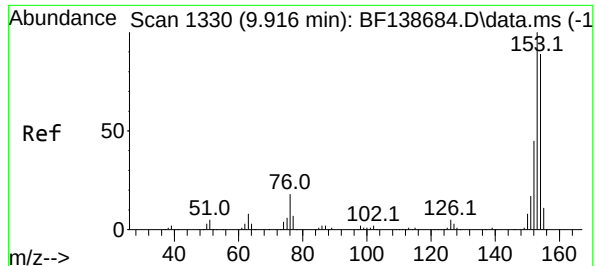
Ion Ratio Lower Upper

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

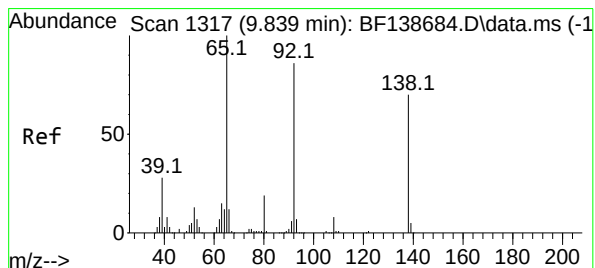
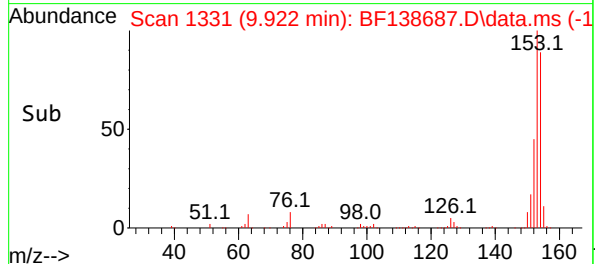
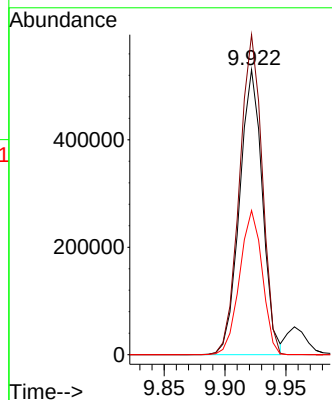
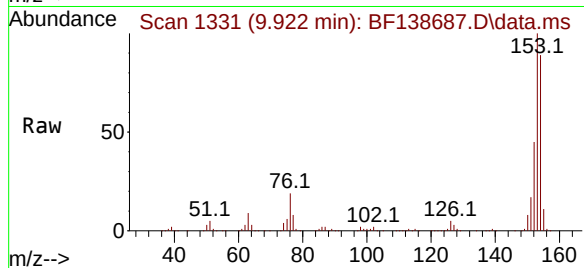
Tgt Ion:154 Resp: 693130

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

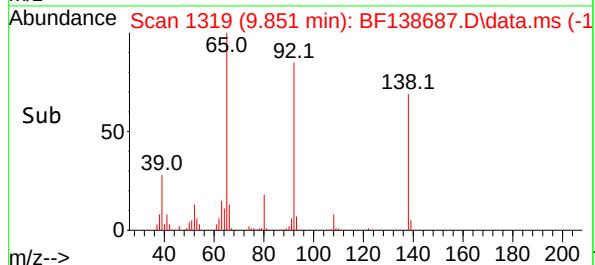
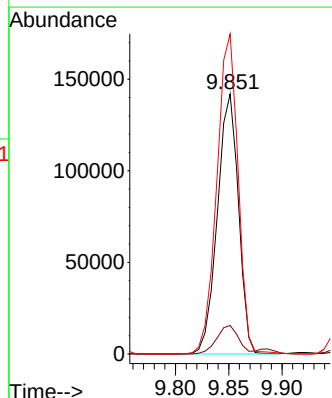
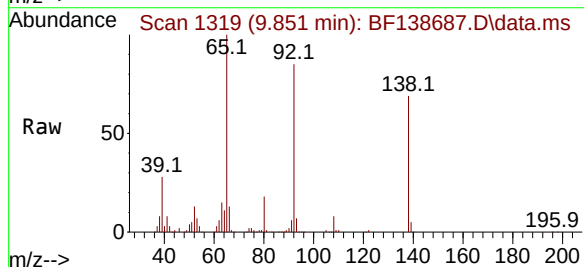
Tgt Ion:138 Resp: 194796

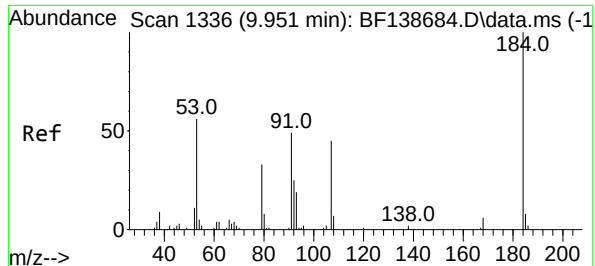
Ion Ratio Lower Upper

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

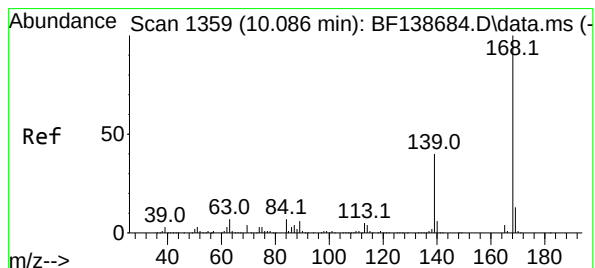
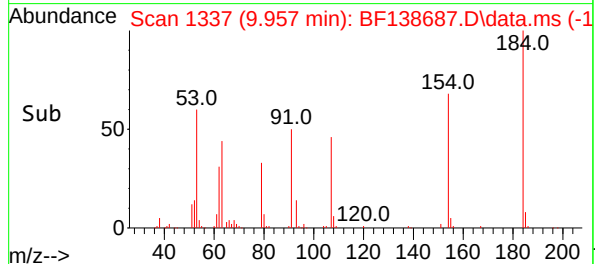
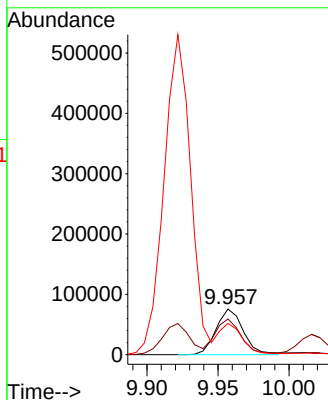
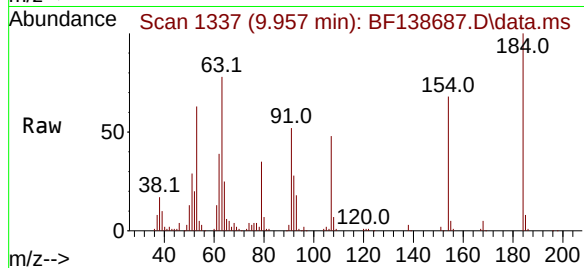
Tgt Ion:184 Resp: 100793

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

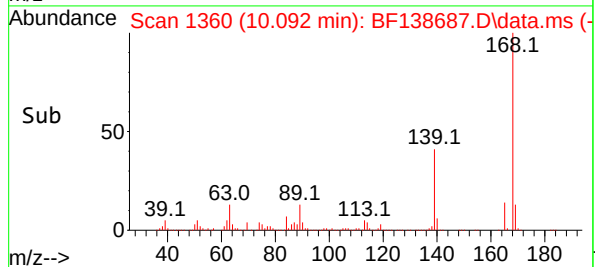
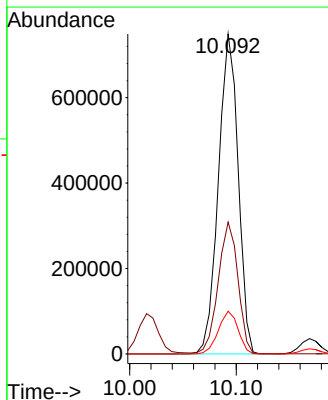
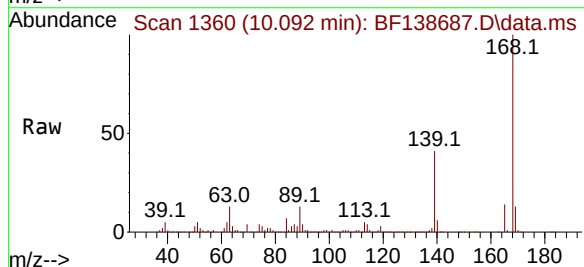
Tgt Ion:168 Resp: 963359

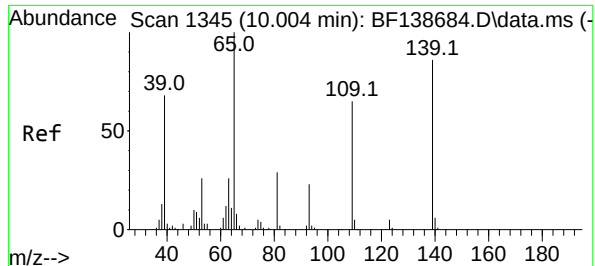
Ion Ratio Lower Upper

168 100

139 41.2 32.6 49.0

169 13.4 10.7 16.1

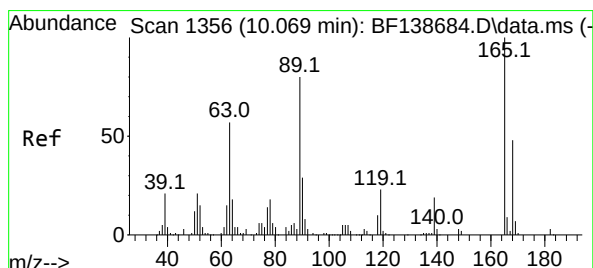
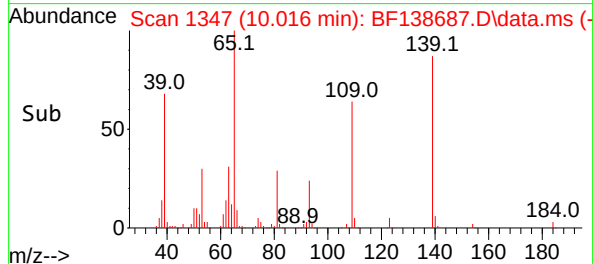
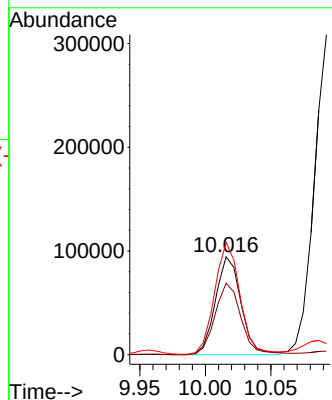
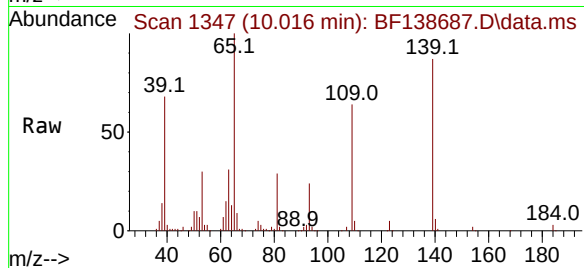




#56
4-Nitrophenol
Concen: 83.411 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

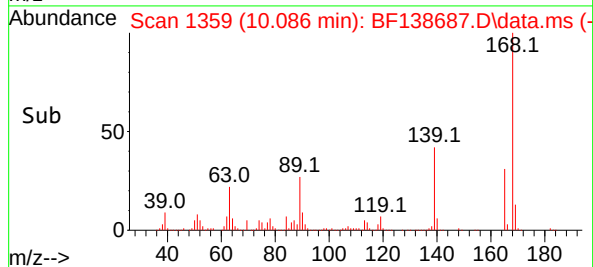
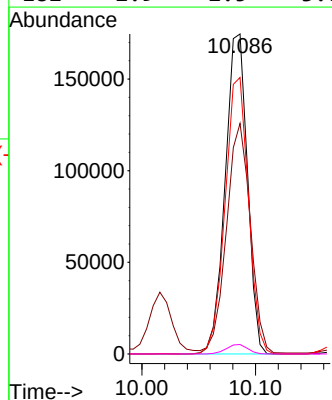
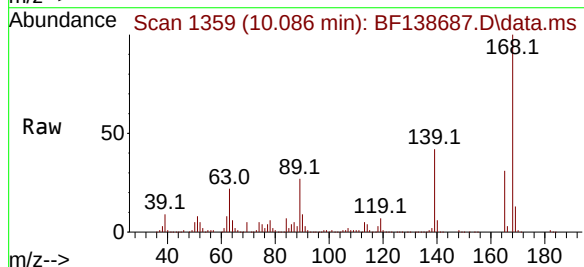
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

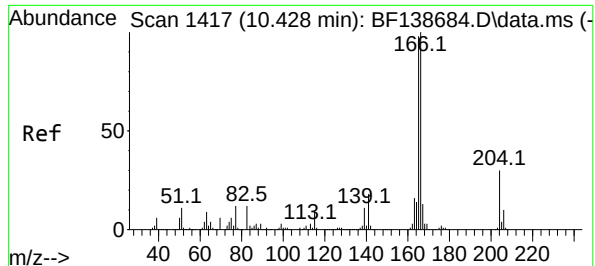
Tgt Ion:139 Resp: 127589
Ion Ratio Lower Upper
139 100
109 73.1 55.5 95.5
65 114.7 96.7 136.7



#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

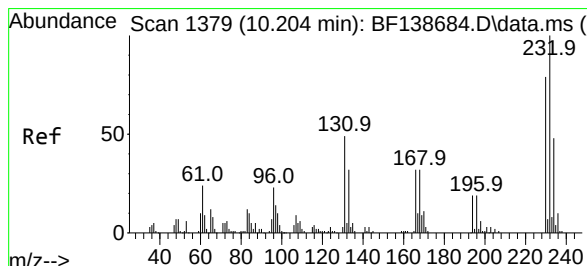
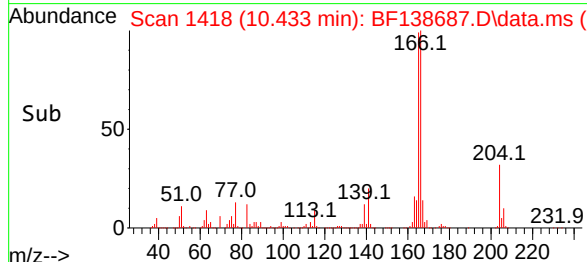
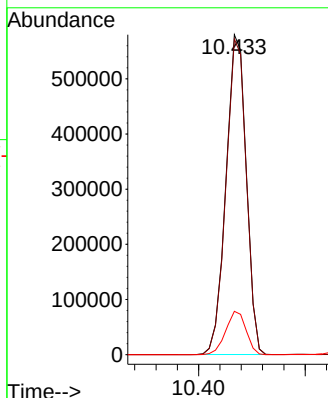
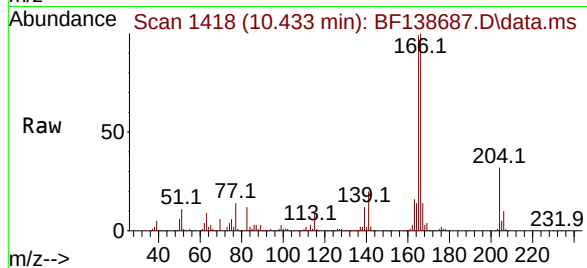




#58
Fluorene
Concen: 72.188 ng
RT: 10.433 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

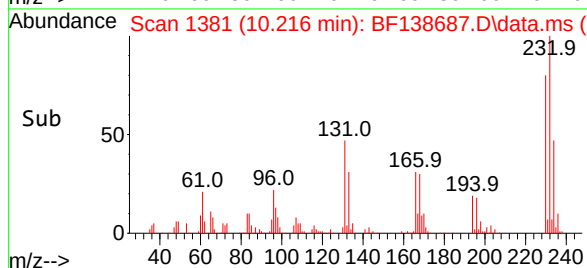
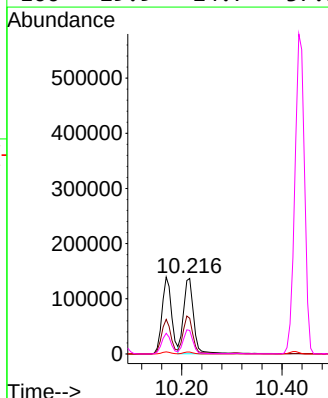
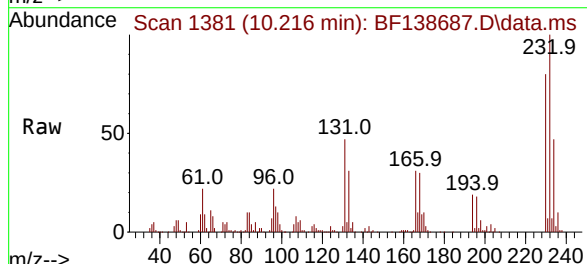
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

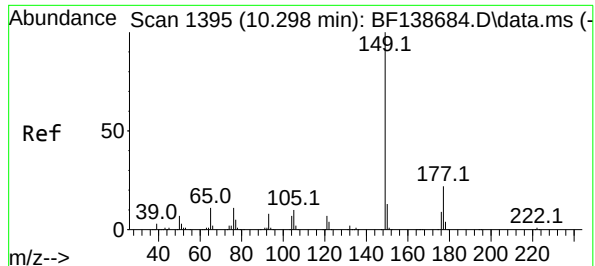
Tgt Ion:166 Resp: 768404
Ion Ratio Lower Upper
166 100
165 98.7 78.4 117.6
167 13.6 10.6 16.0



#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

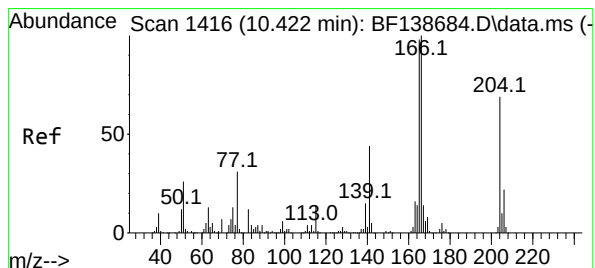
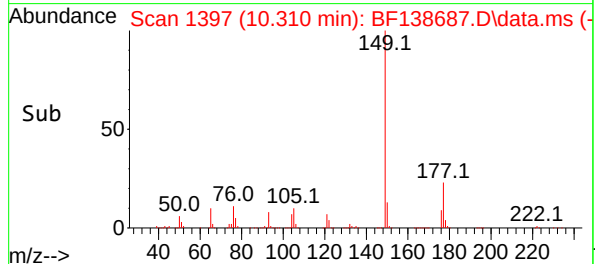
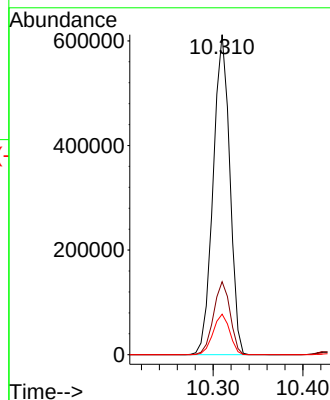
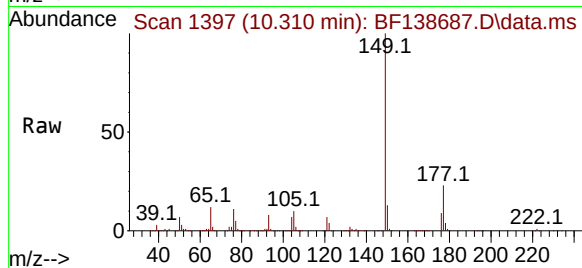




#60
Diethylphthalate
Concen: 76.270 ng
RT: 10.310 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

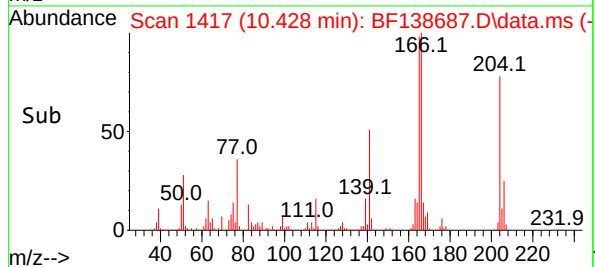
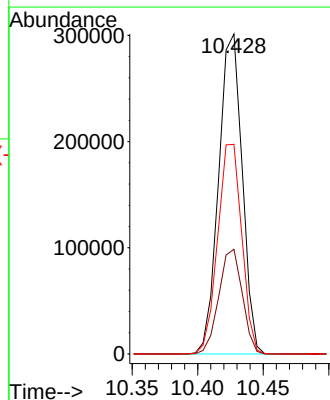
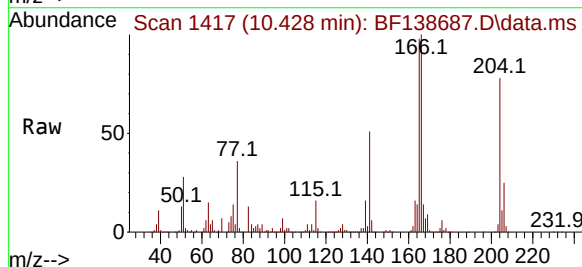
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

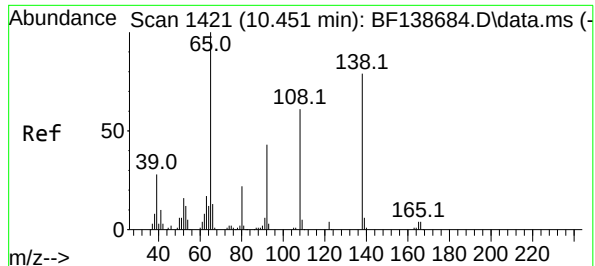
Tgt Ion:149 Resp: 788464
Ion Ratio Lower Upper
149 100
177 22.8 17.8 26.8
150 12.7 10.1 15.1



#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

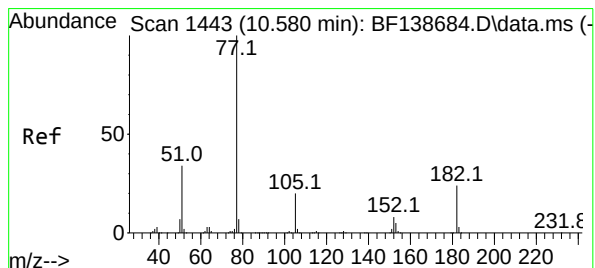
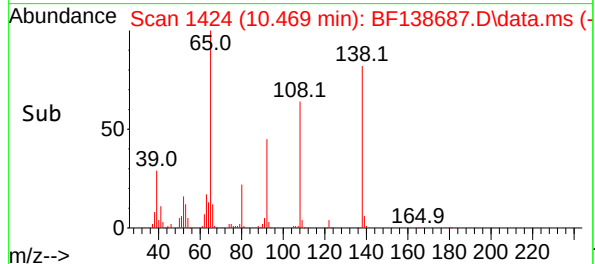
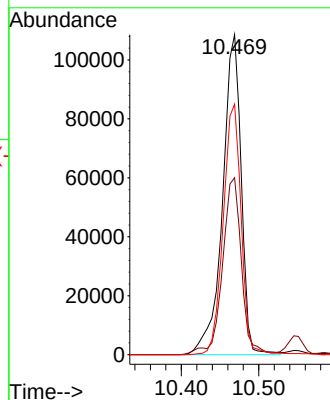
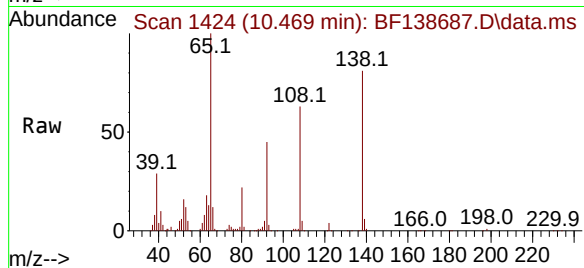




#62
4-Nitroaniline
Concen: 75.227 ng
RT: 10.469 min Scan# 1421
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

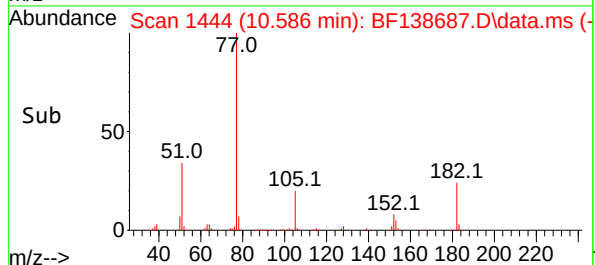
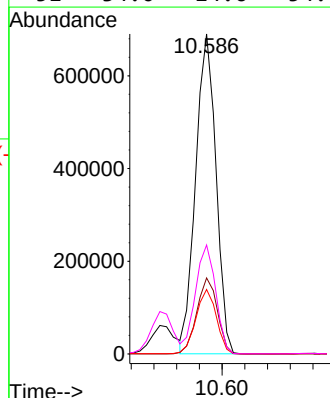
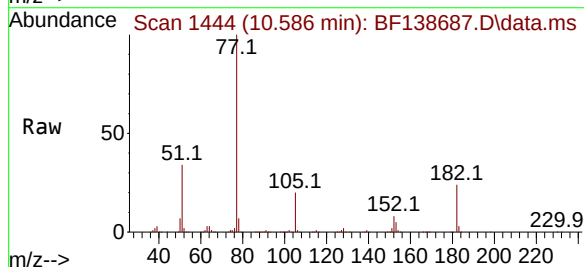
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

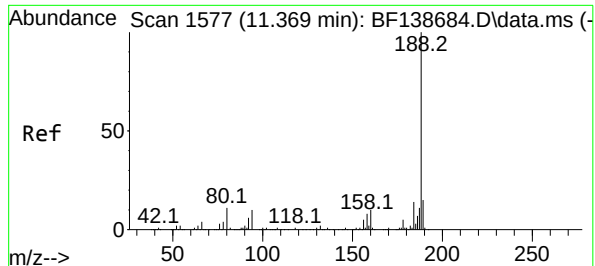
Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.3	34.2	74.2
108	78.3	56.2	96.2



#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

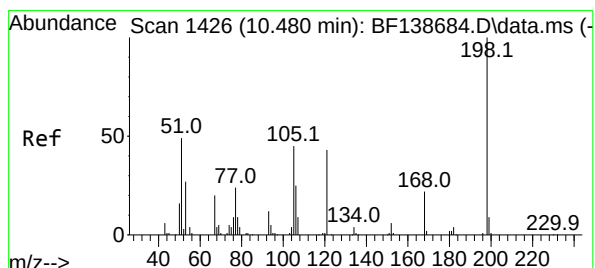
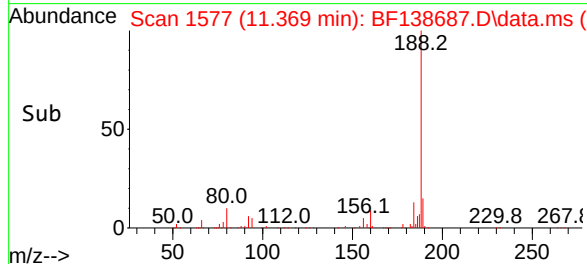
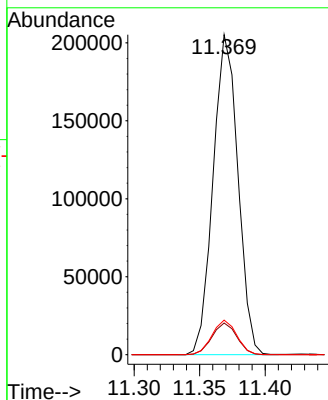
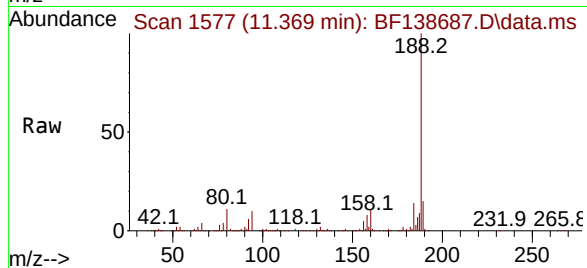




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

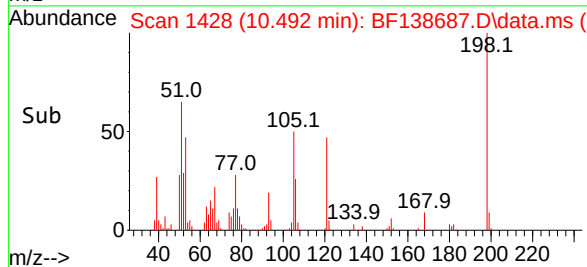
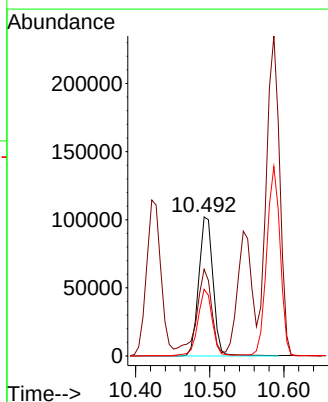
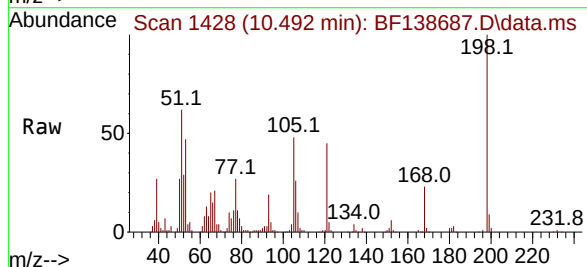
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

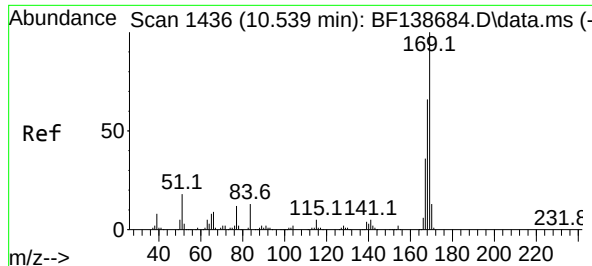
Tgt Ion:188 Resp: 270140
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 10.8 8.6 12.8



#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

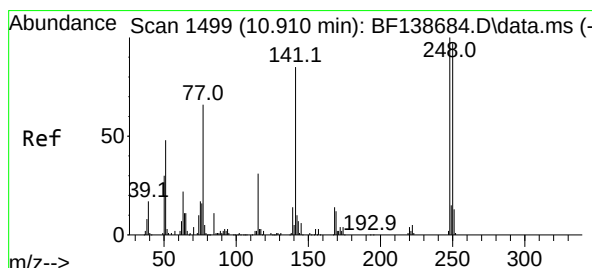
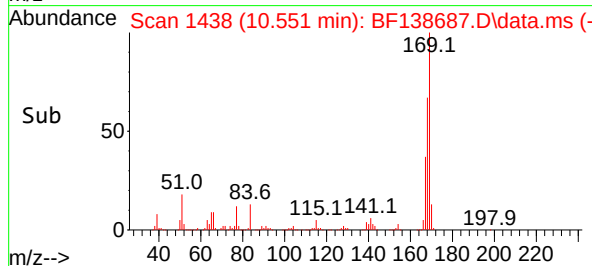
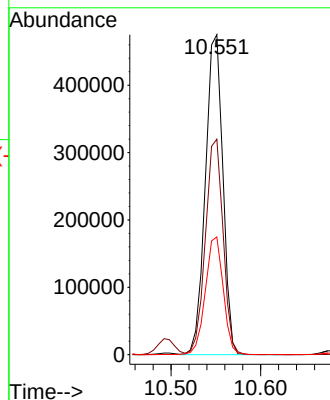
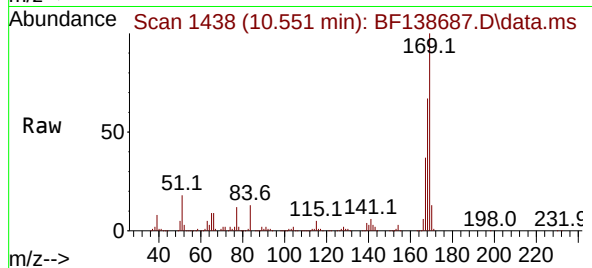




#66
n-Nitrosodiphenylamine
Concen: 76.022 ng
RT: 10.551 min Scan# 1436
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

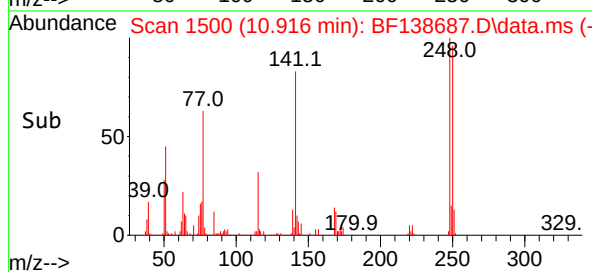
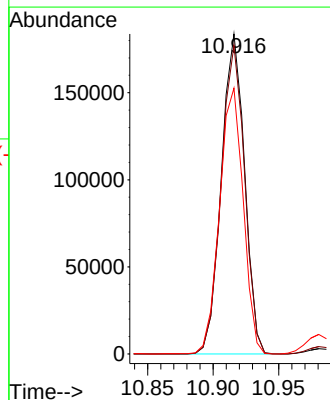
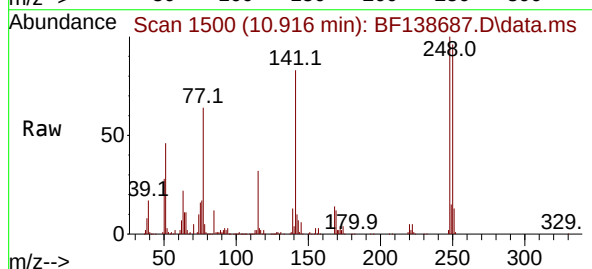
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

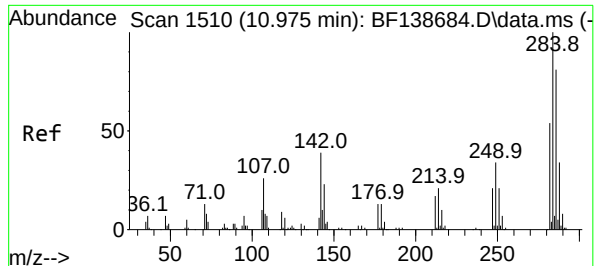
Tgt Ion:169 Resp: 641930
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 36.8 29.0 43.6



#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

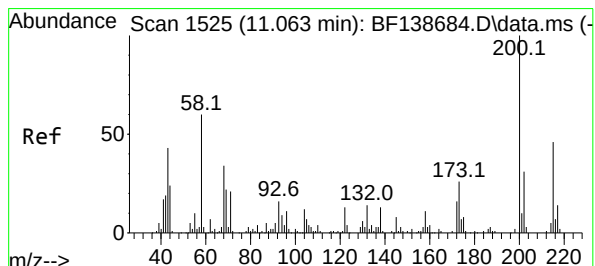
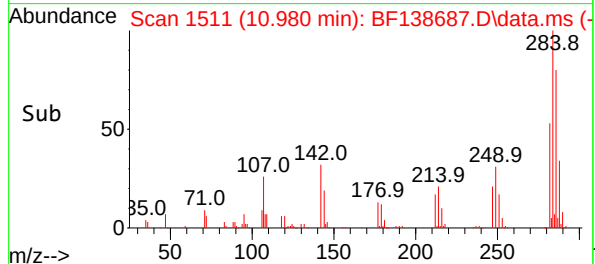
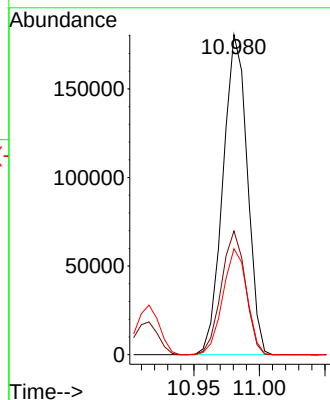
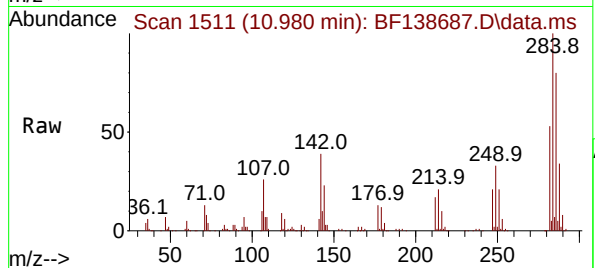




#68
Hexachlorobenzene
Concen: 77.158 ng
RT: 10.980 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

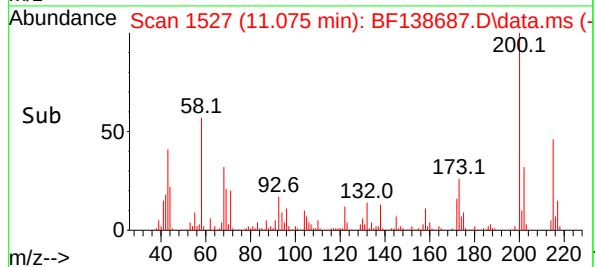
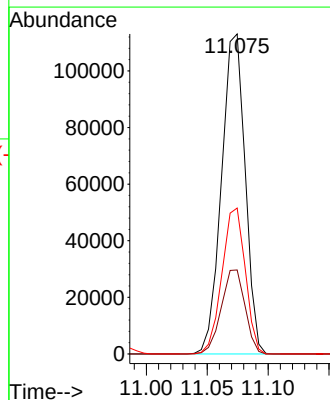
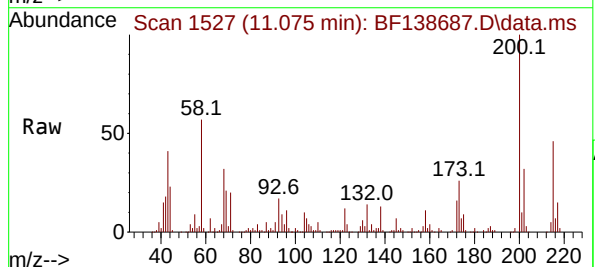
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

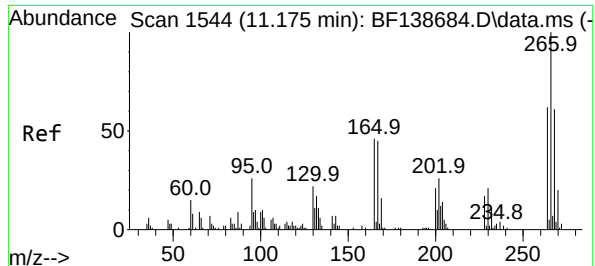
Tgt Ion:284 Resp: 233005
Ion Ratio Lower Upper
284 100
142 38.7 31.3 46.9
249 33.1 27.2 40.8



#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

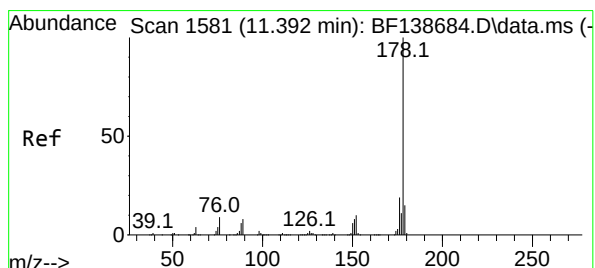
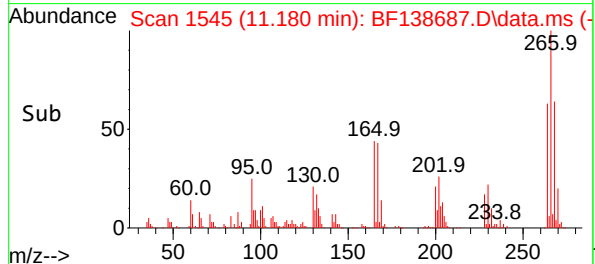
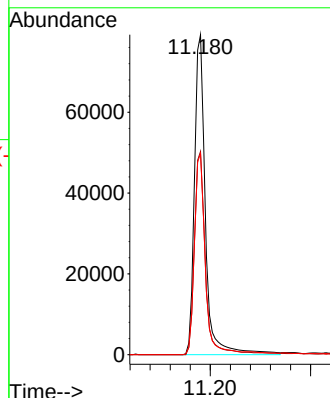
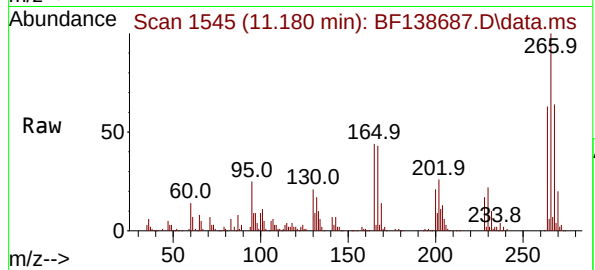




#70
Pentachlorophenol
Concen: 88.455 ng
RT: 11.180 min Scan# 1544
Delta R.T. 0.005 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

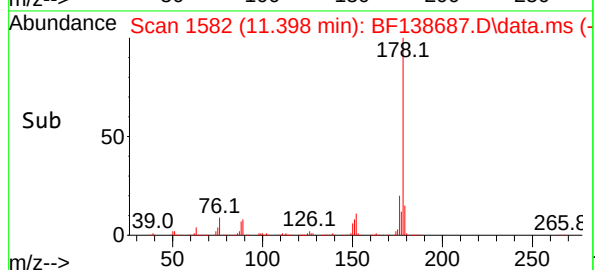
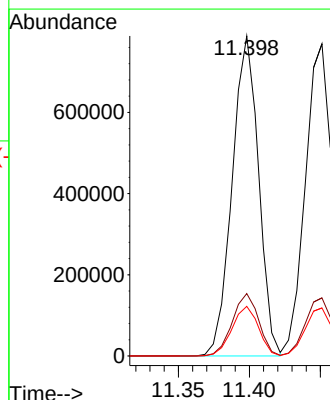
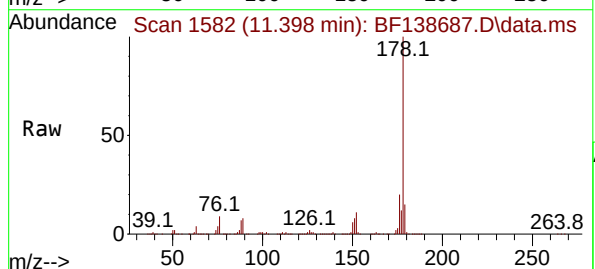
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

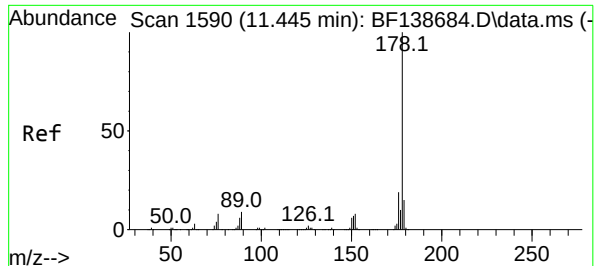
Tgt Ion:266 Resp: 120403
Ion Ratio Lower Upper
266 100
268 63.5 49.2 73.8
264 63.0 49.8 74.6



#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

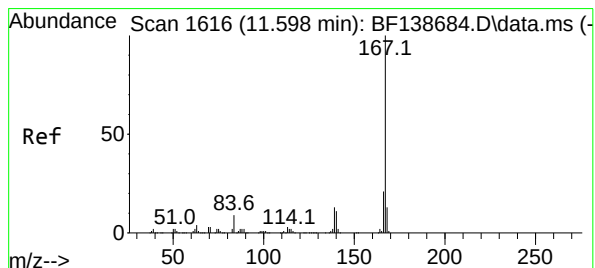
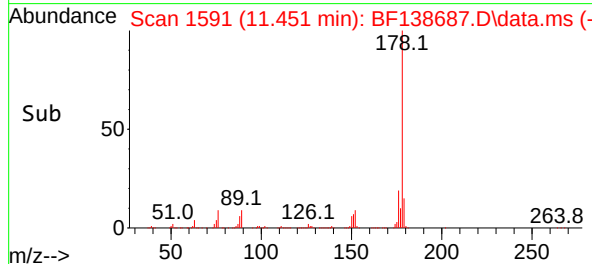
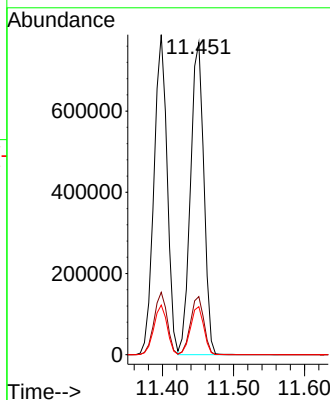
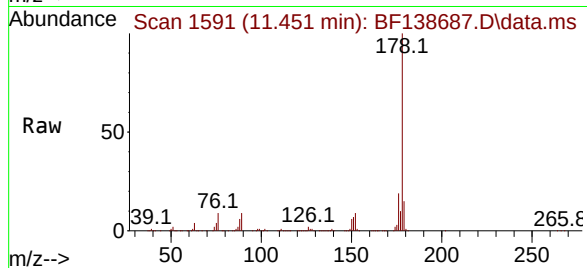




#72
Anthracene
Concen: 73.356 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

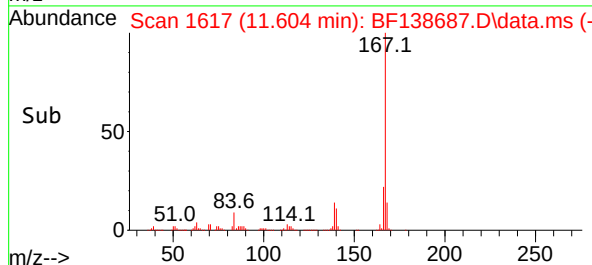
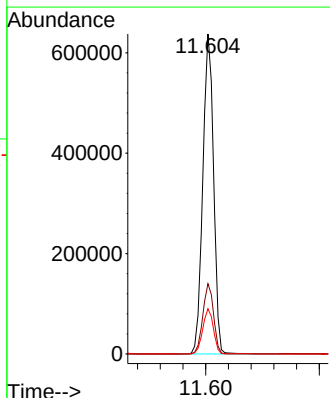
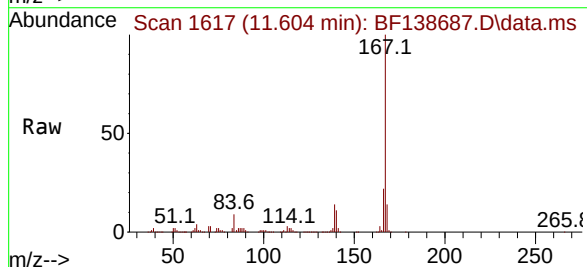
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

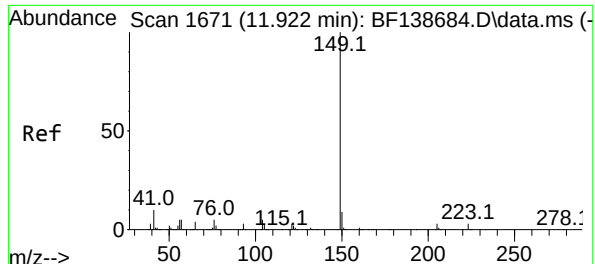
Tgt Ion:178 Resp: 1005219
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.4 12.4 18.6



#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

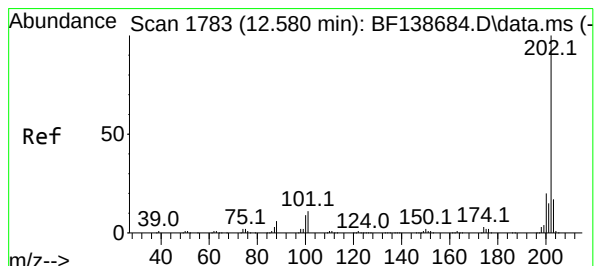
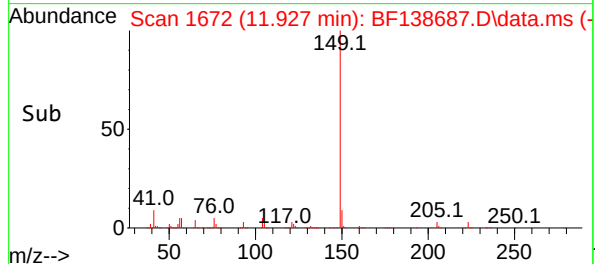
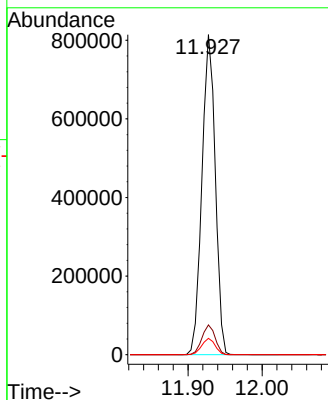
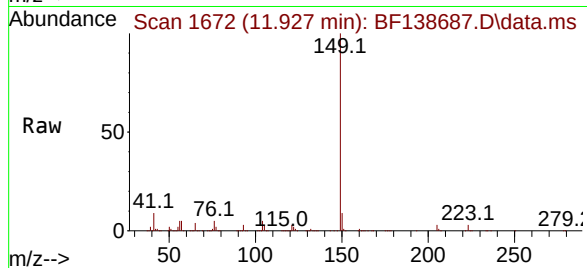




#74
Di-n-butylphthalate
Concen: 76.505 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

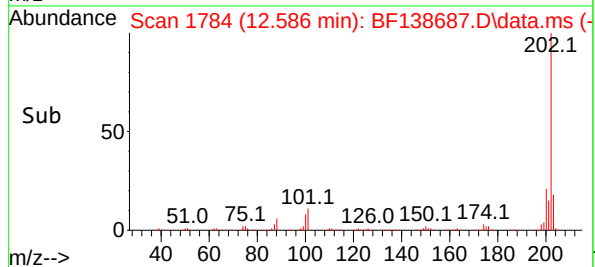
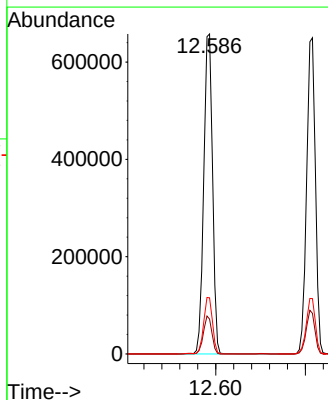
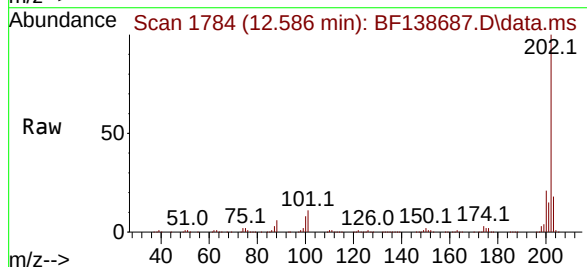
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

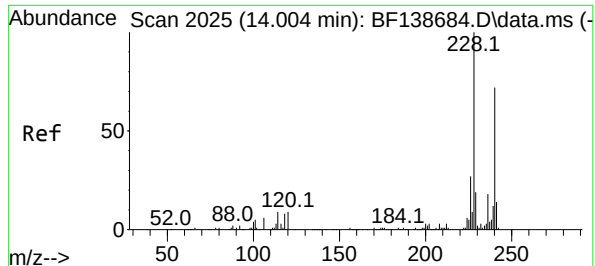
Tgt Ion:149 Resp: 1016790
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.1 4.1 6.1



#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

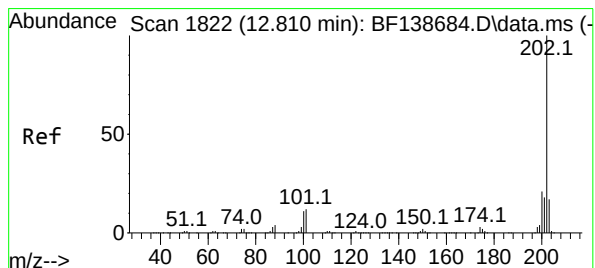
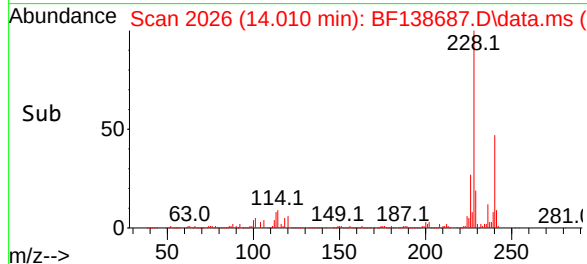
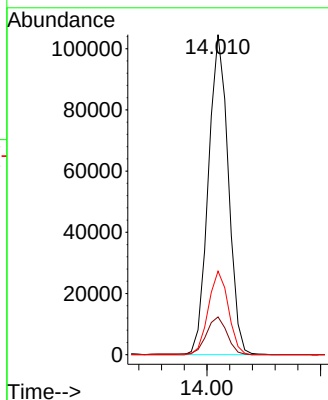
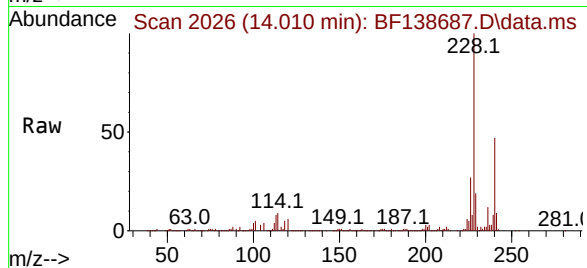




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

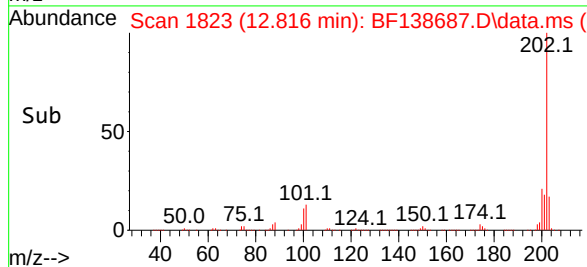
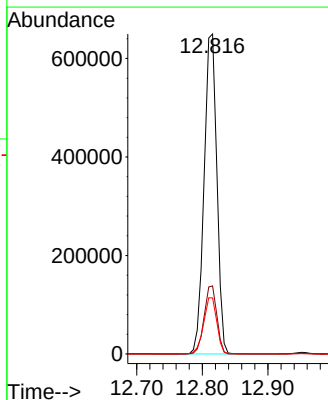
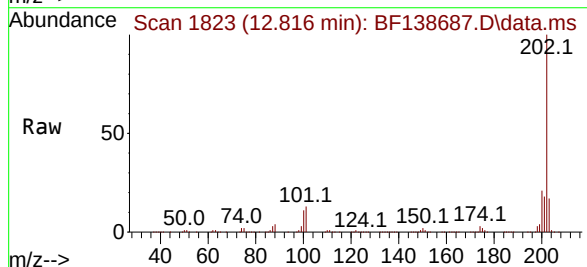
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

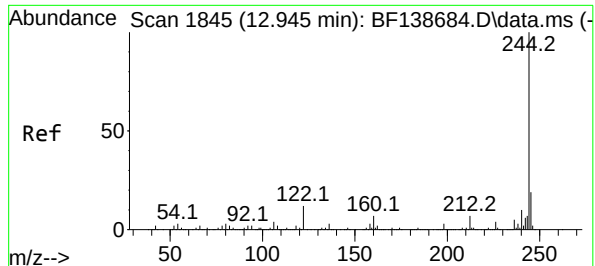
Tgt Ion:240 Resp: 127279
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.4
236 26.1 19.8 29.8



#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

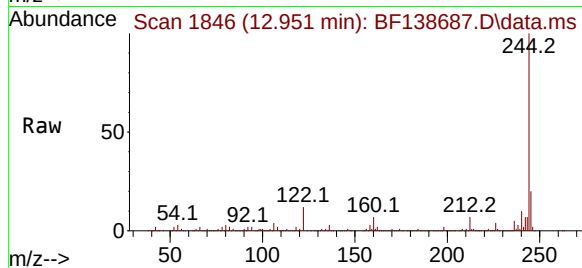
Acq: 30 Jul 2024 16:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



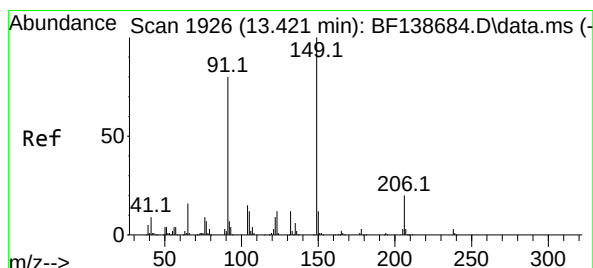
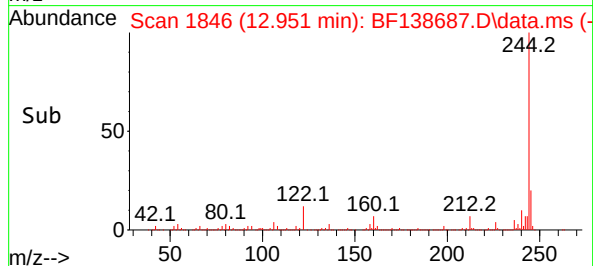
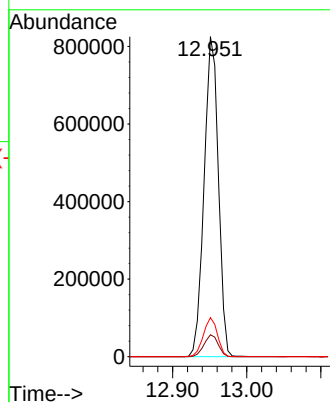
Tgt Ion:244 Resp: 1102959

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

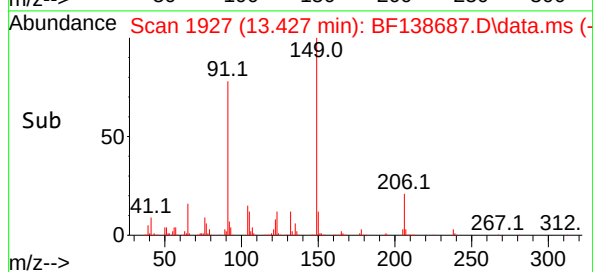
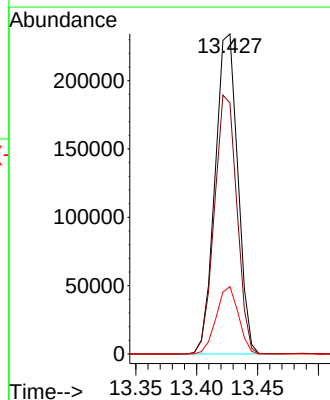
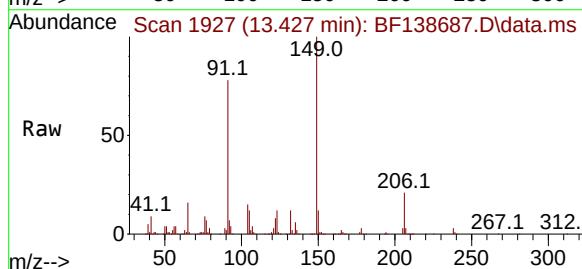
Tgt Ion:149 Resp: 304470

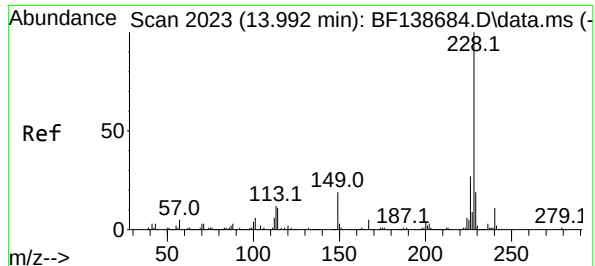
Ion Ratio Lower Upper

149 100

91 78.4 63.7 95.5

206 21.1 16.2 24.2

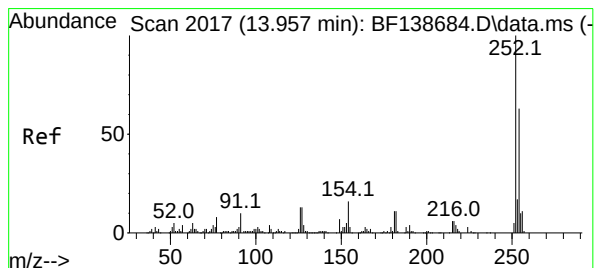
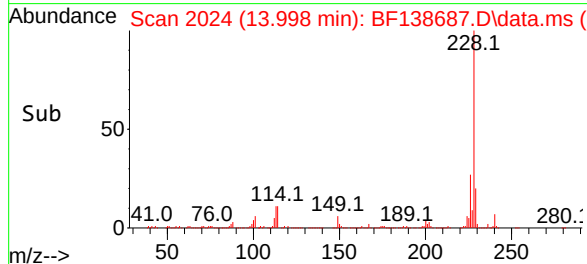
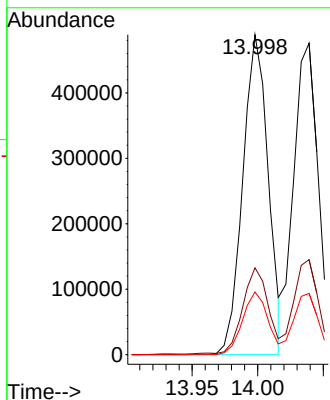
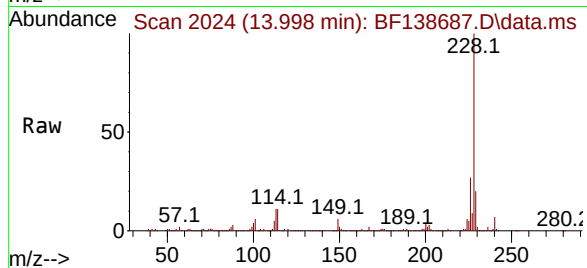




#81
Benzo(a)anthracene
Concen: 75.198 ng
RT: 13.998 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

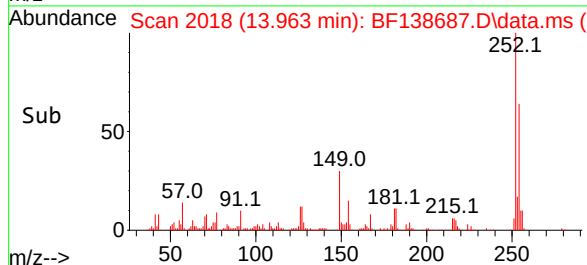
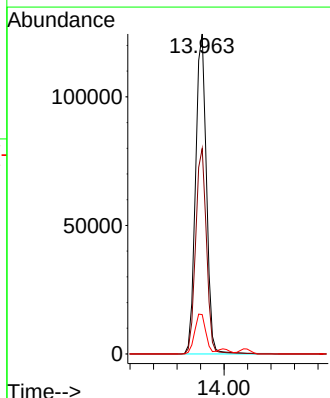
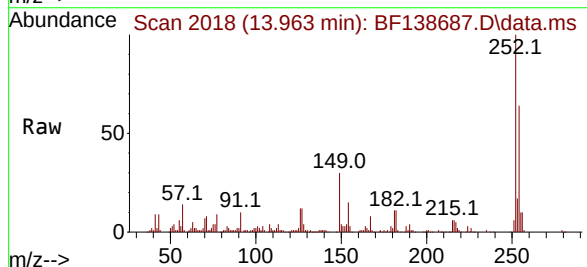
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

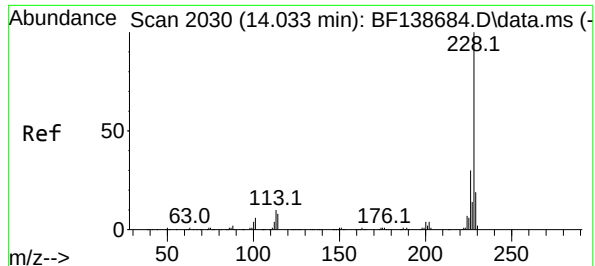
Tgt Ion:228 Resp: 659091
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 19.6 15.4 23.0



#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

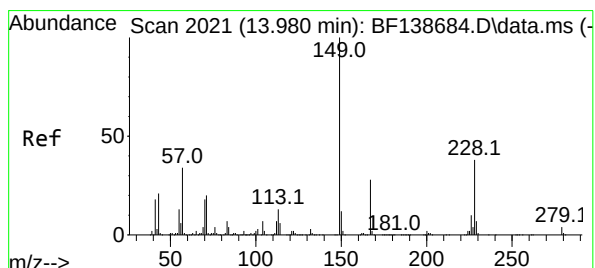
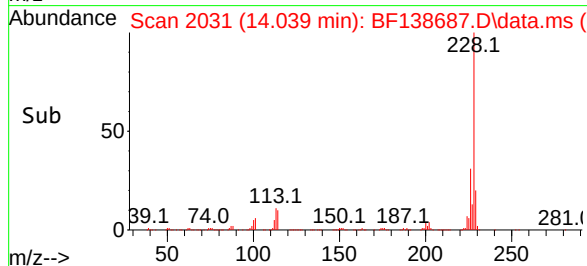
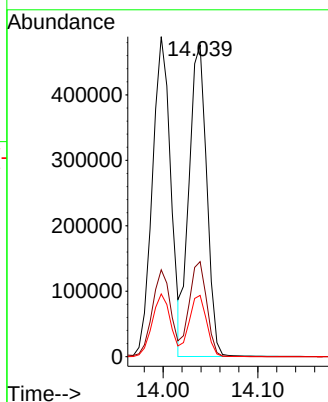
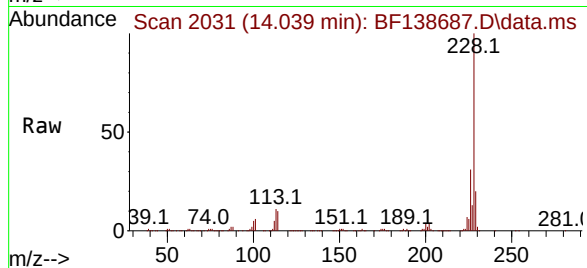
Tgt Ion:228 Resp: 617804

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

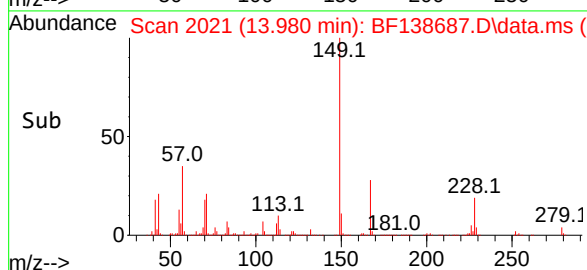
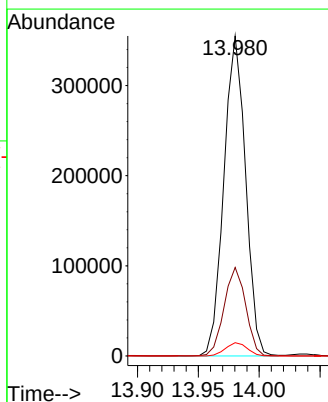
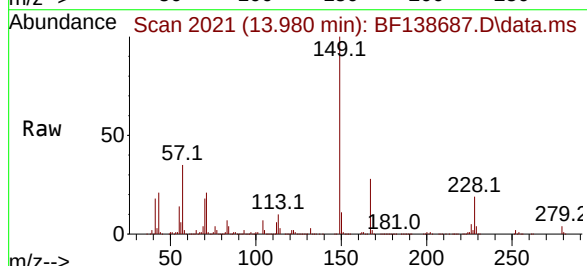
Tgt Ion:149 Resp: 440693

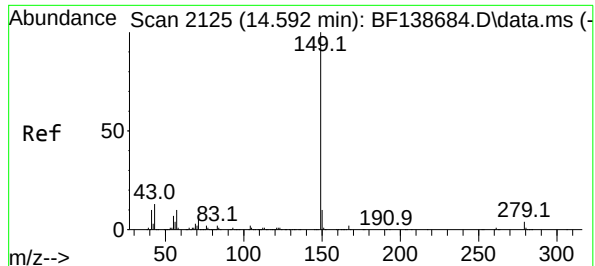
Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

279 4.1 3.4 5.0

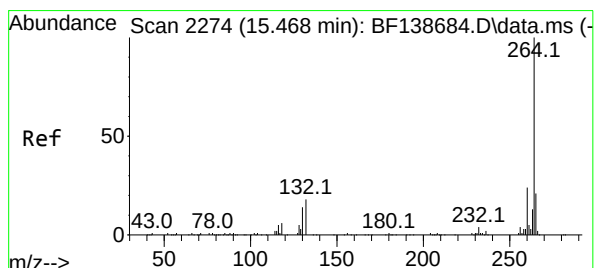
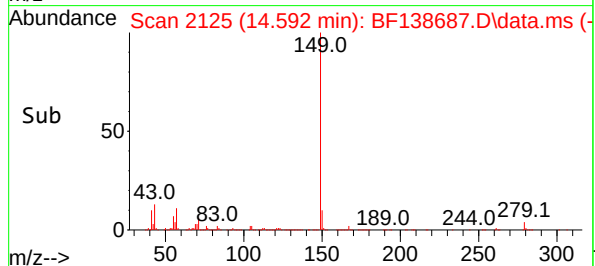
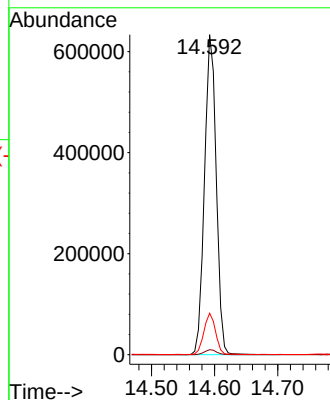
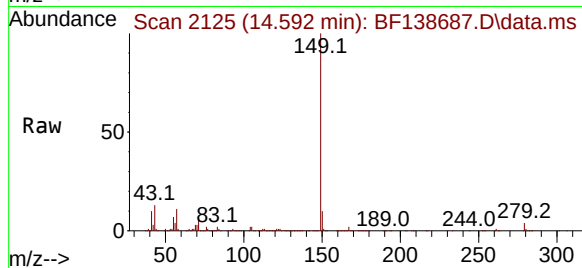




#85
Di-n-octyl phthalate
Concen: 78.597 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

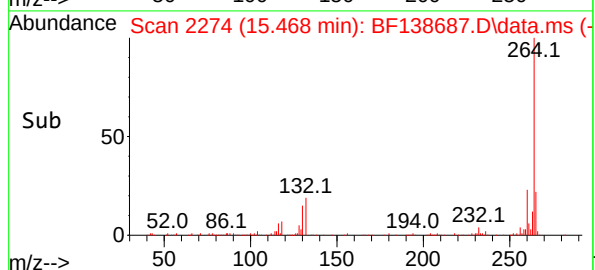
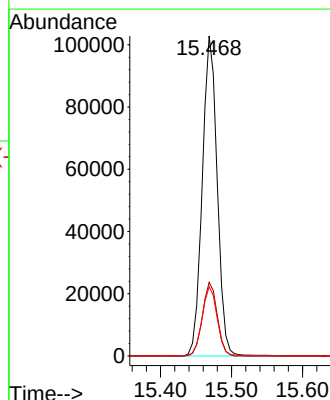
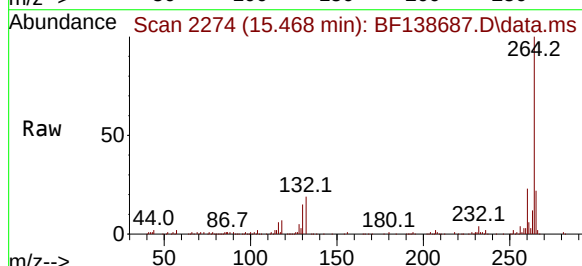
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

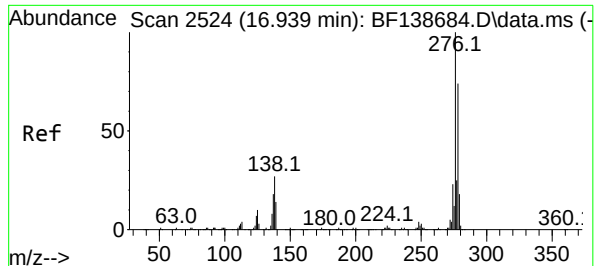
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.8	10.4	15.6



#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	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

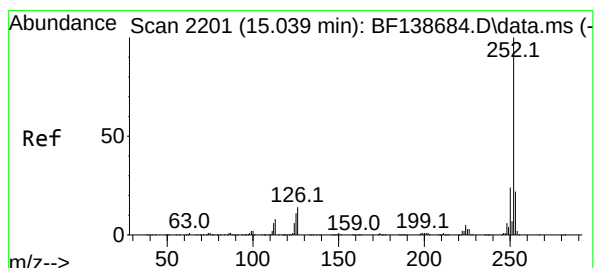
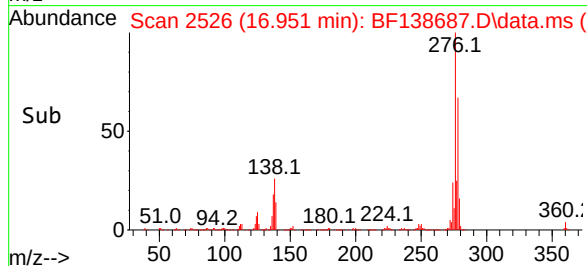
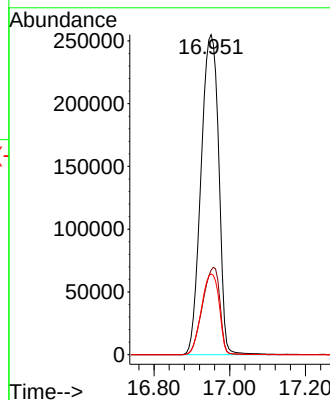
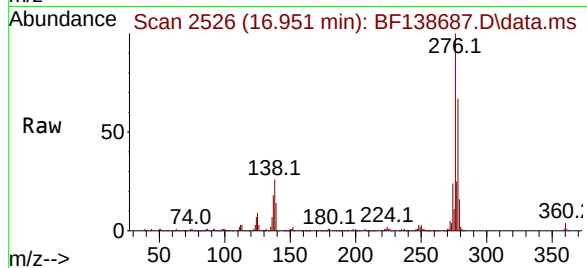
Tgt Ion:276 Resp: 827423

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

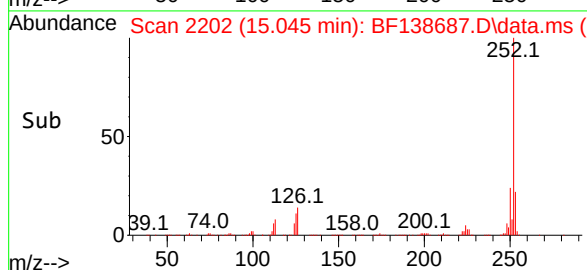
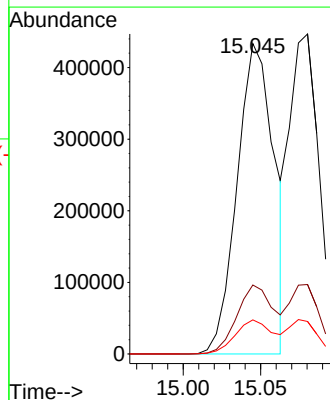
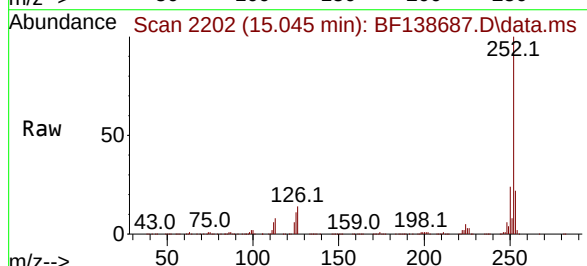
Tgt Ion:252 Resp: 721224

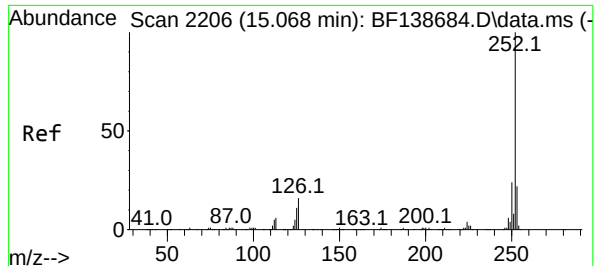
Ion Ratio Lower Upper

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

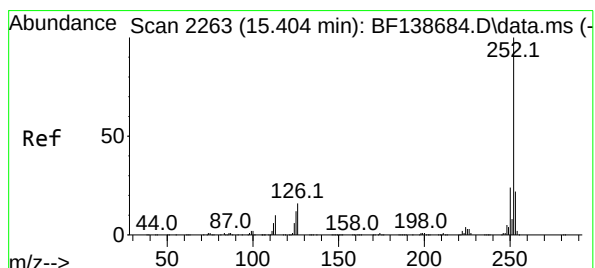
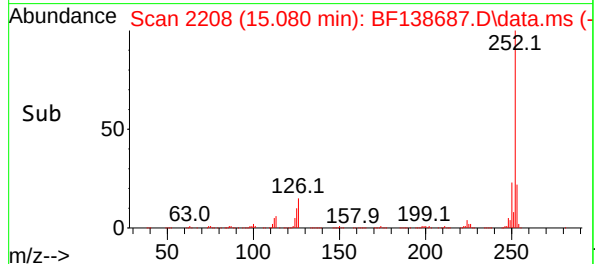
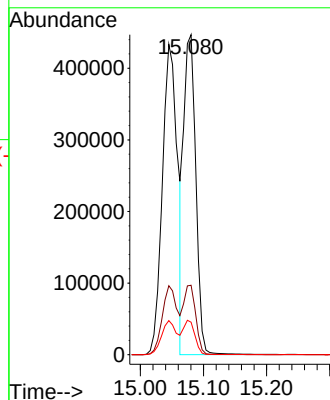
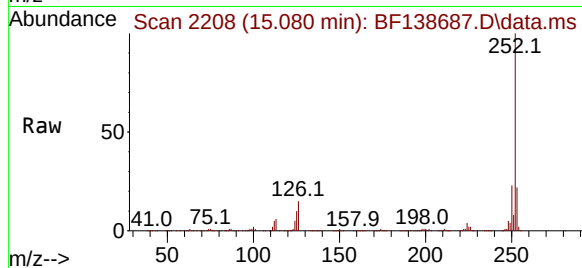
Tgt Ion:252 Resp: 596517

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

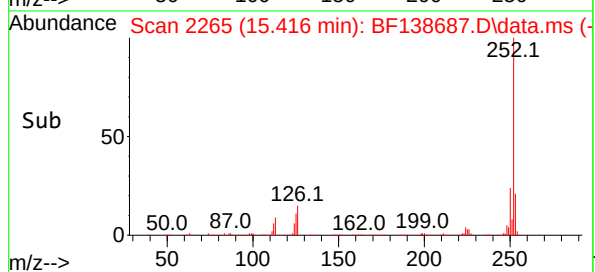
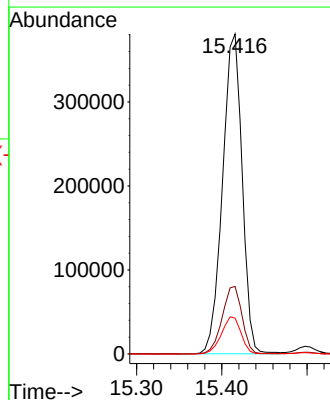
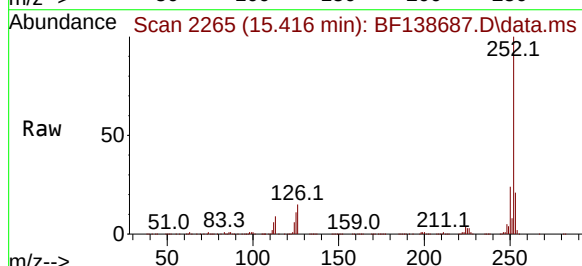
Tgt Ion:252 Resp: 609452

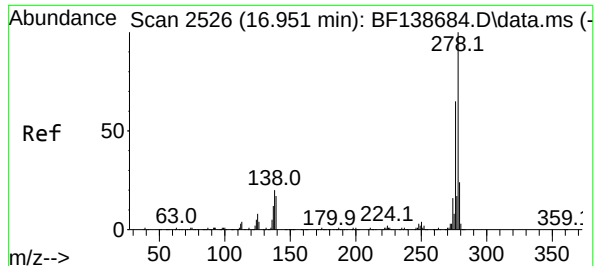
Ion Ratio Lower Upper

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

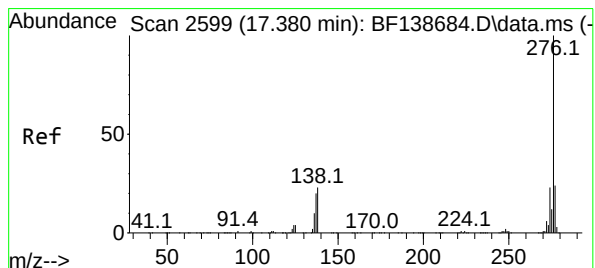
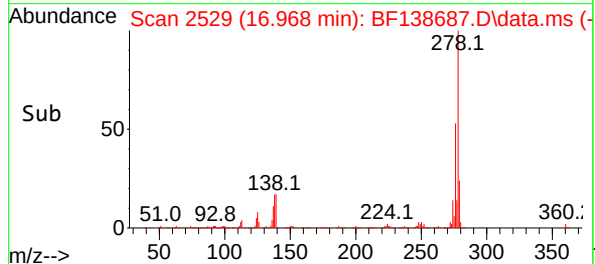
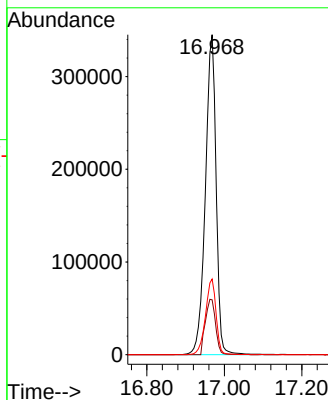
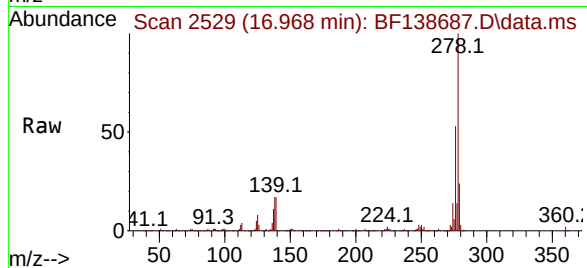
Tgt Ion:278 Resp: 664634

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

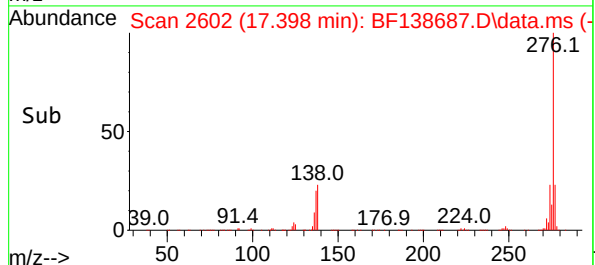
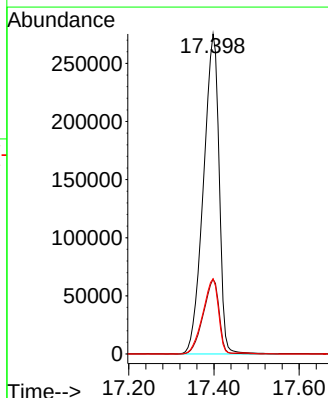
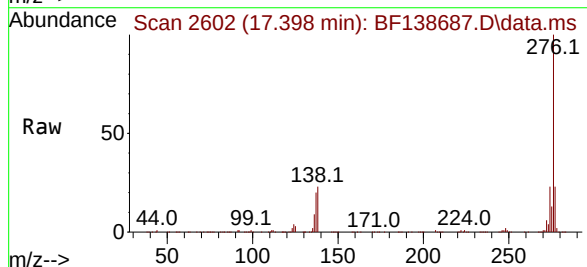
Tgt Ion:276 Resp: 702583

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

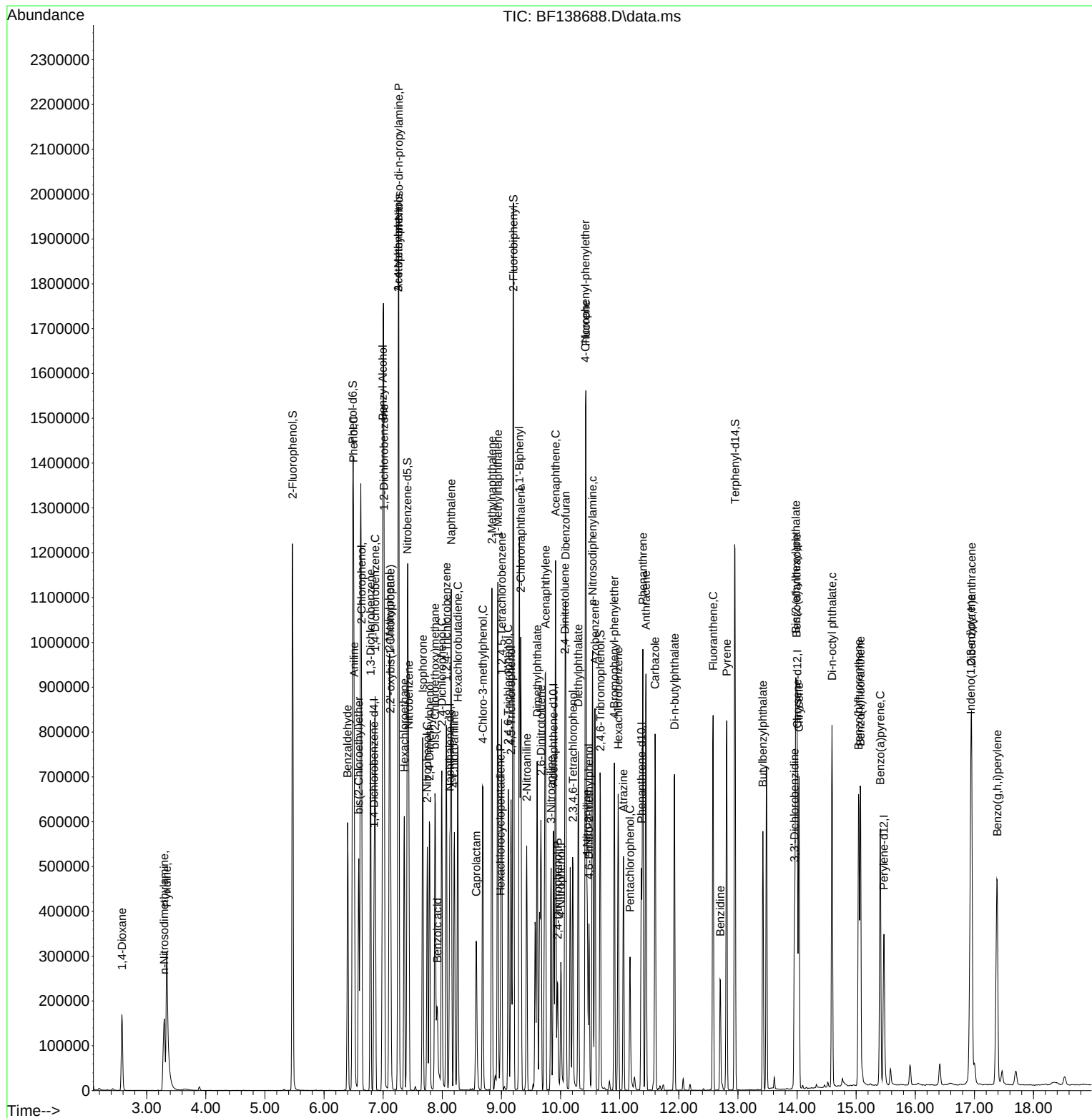
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	124581	41.011	ng	99
46) 1,1'-Biphenyl	9.304	154	515966	40.156	ng	99
47) 2-Chloronaphthalene	9.328	162	381923	39.966	ng	99
48) 2-Nitroaniline	9.428	65	127985	39.505	ng	99
49) Acenaphthylene	9.745	152	535427	39.504	ng	99
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-phenylether	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

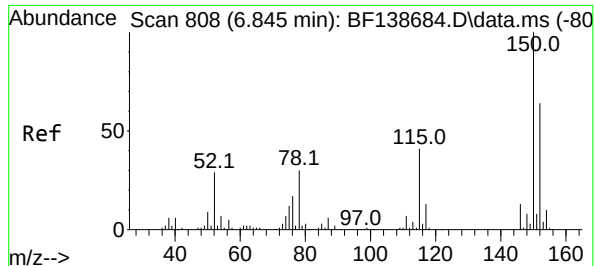
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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Instrument :
BNA_F
ClientSampleId :
ICVBF073024

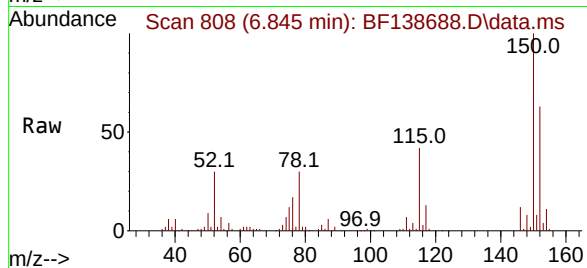
Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



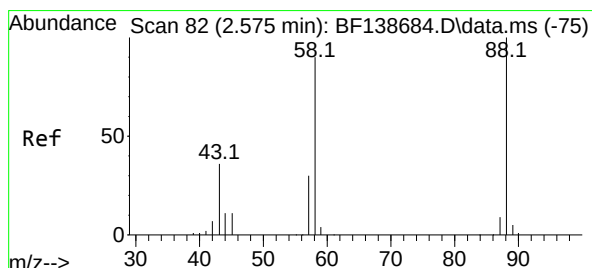
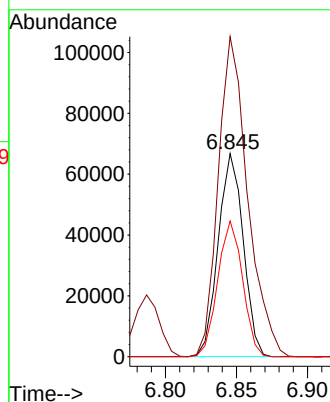
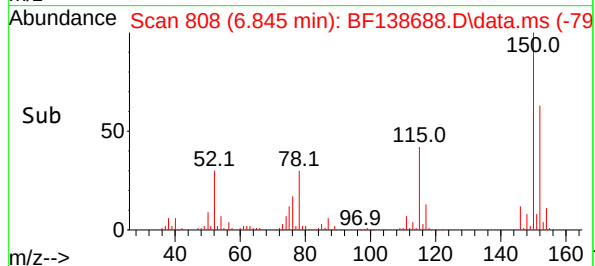


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

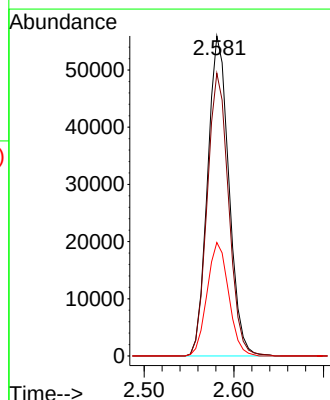
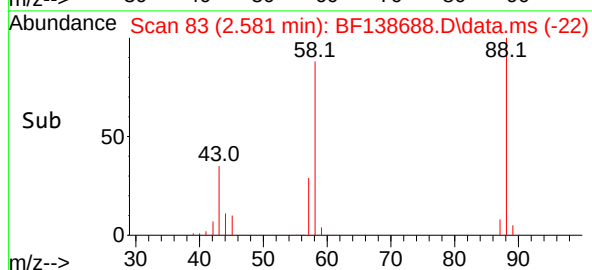
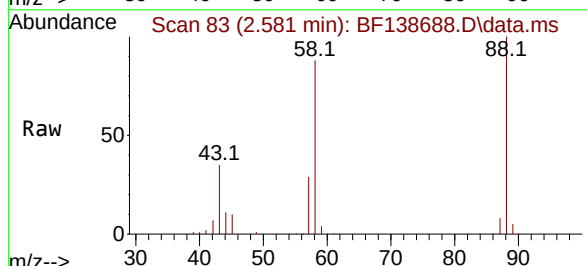


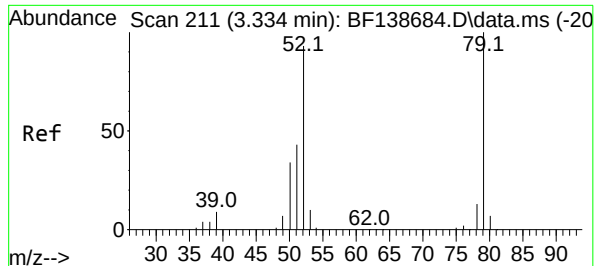
Tgt Ion:152 Resp: 81804
Ion Ratio Lower Upper
152 100
150 157.6 126.0 189.0
115 66.8 51.7 77.5



#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

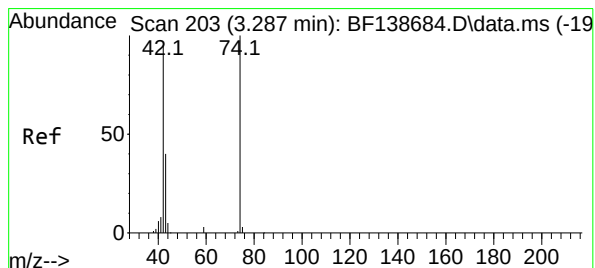
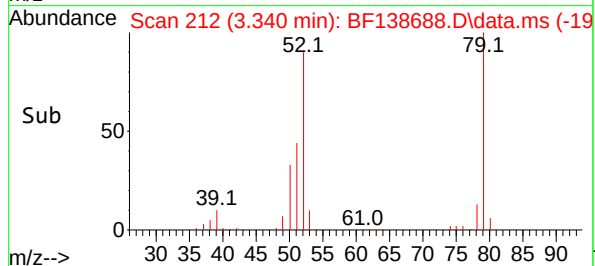
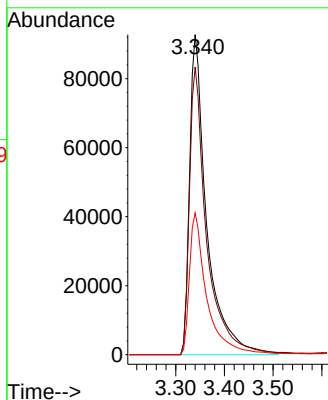
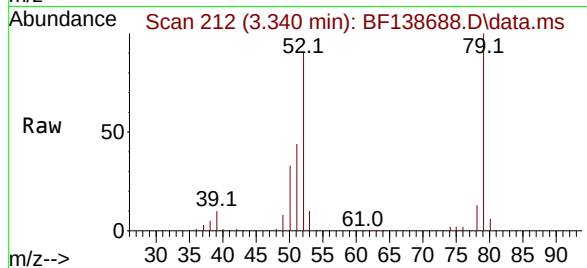
Tgt Ion: 79 Resp: 227413

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

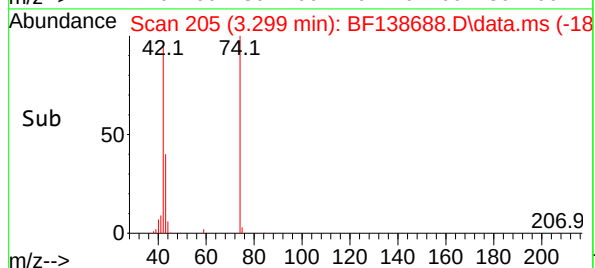
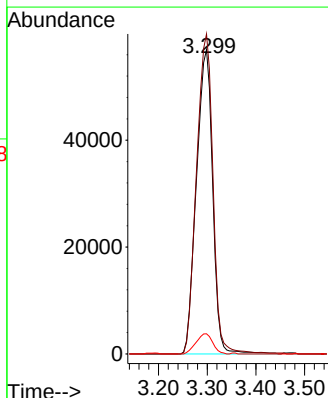
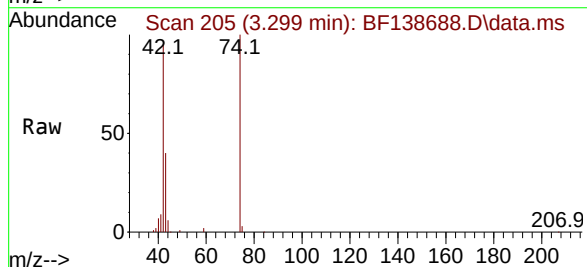
Tgt Ion: 42 Resp: 131855

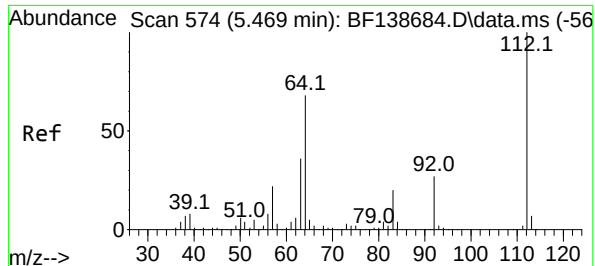
Ion Ratio Lower Upper

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

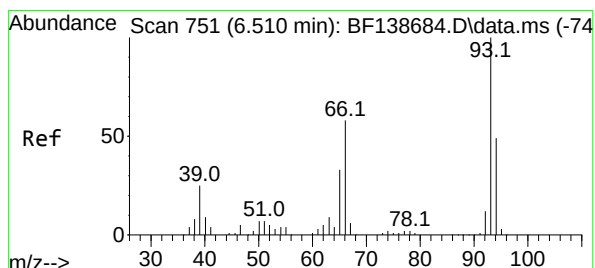
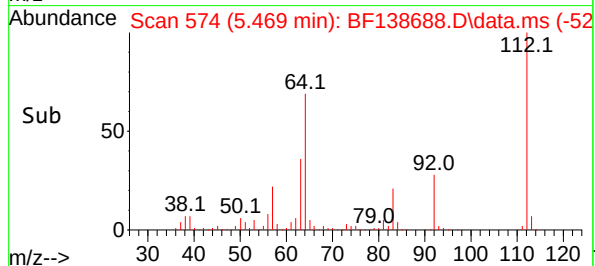
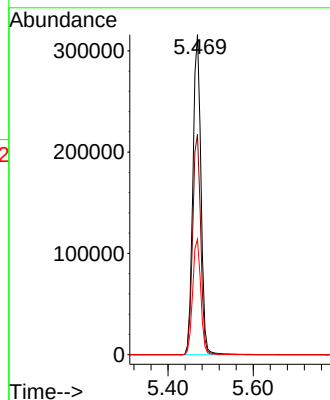
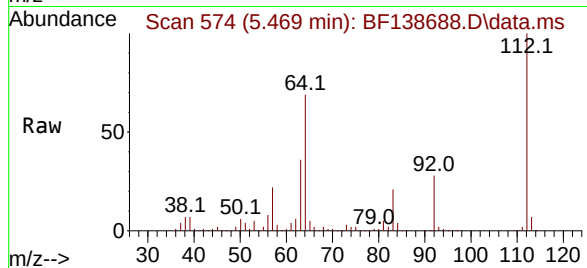
Tgt Ion:112 Resp: 414257

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

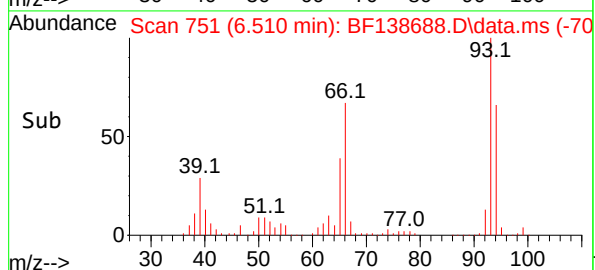
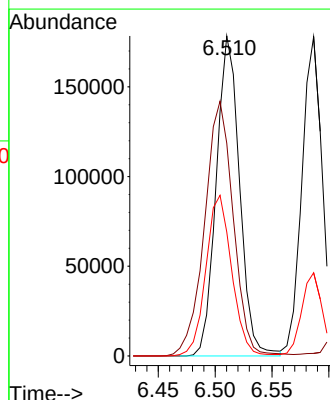
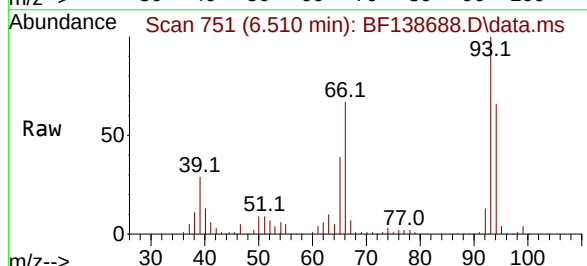
Tgt Ion: 93 Resp: 255062

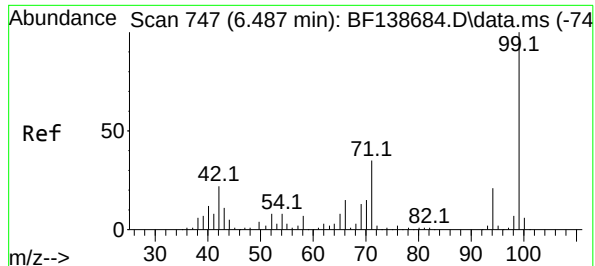
Ion Ratio Lower Upper

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

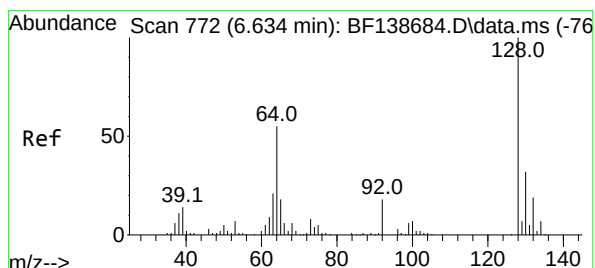
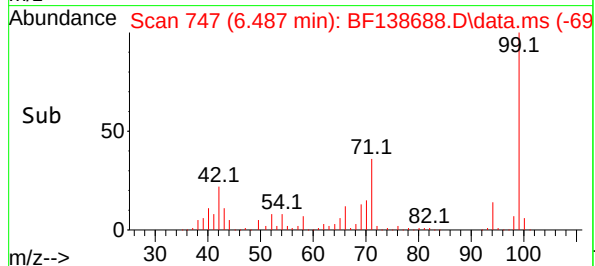
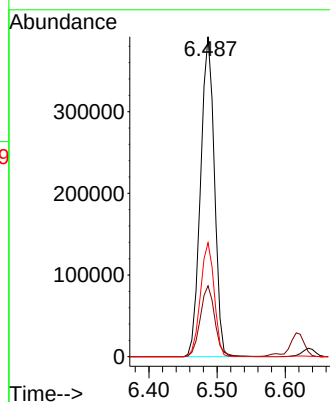
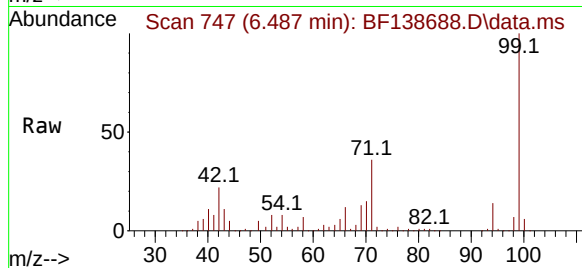
Tgt Ion: 99 Resp: 551968

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

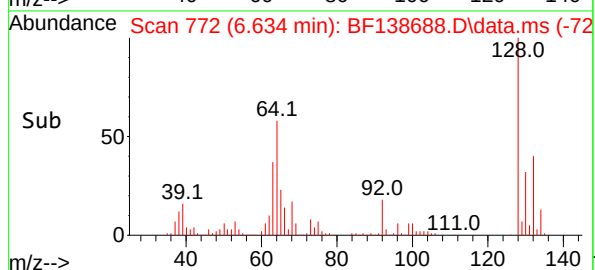
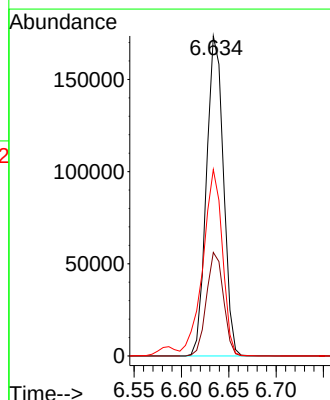
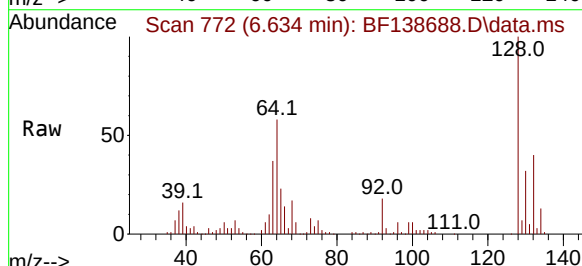
Tgt Ion: 128 Resp: 216863

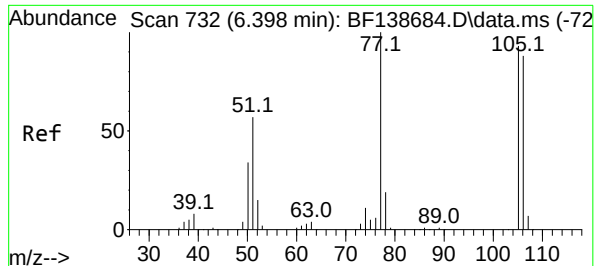
Ion Ratio Lower Upper

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

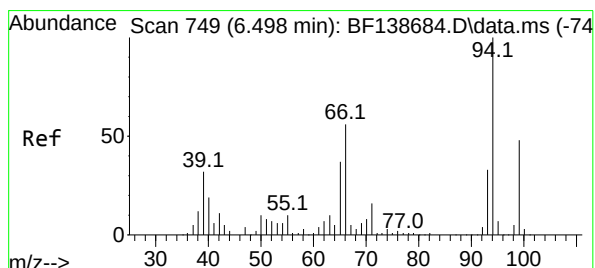
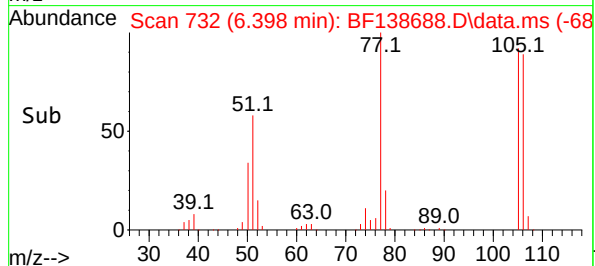
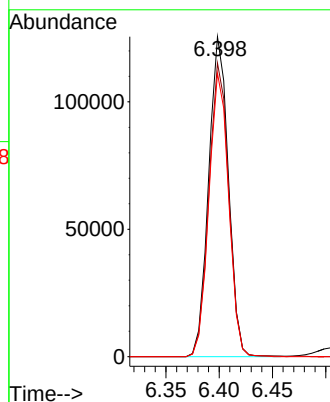
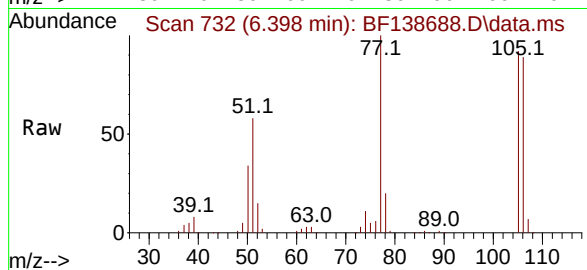
Tgt Ion: 77 Resp: 161636

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

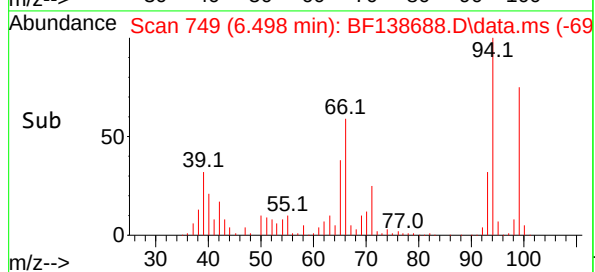
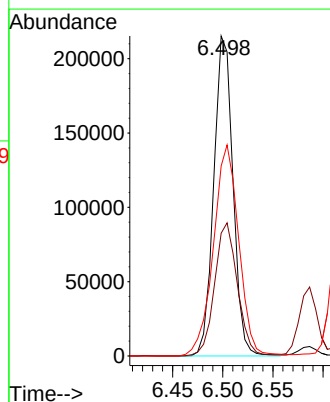
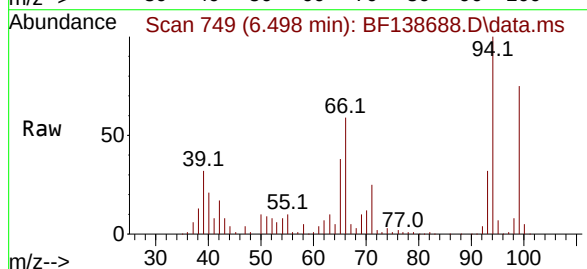
Tgt Ion: 94 Resp: 286738

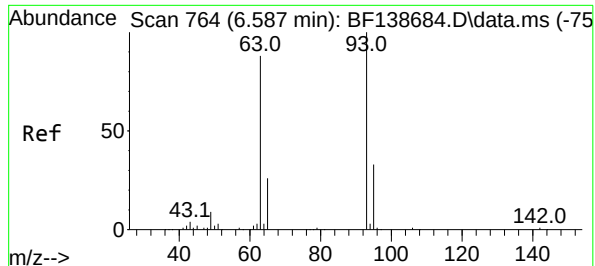
Ion Ratio Lower Upper

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

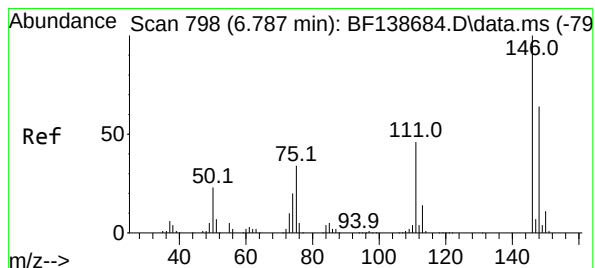
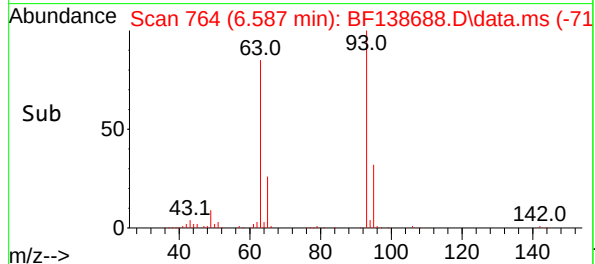
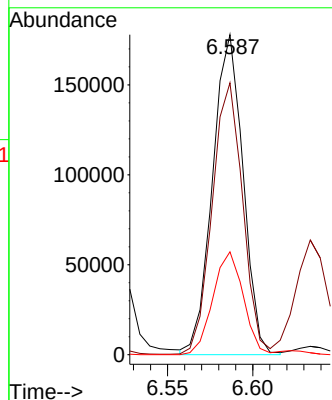
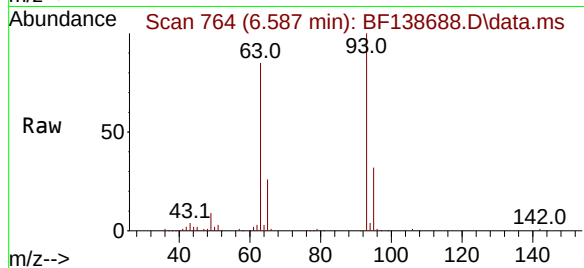
Tgt Ion: 93 Resp: 221556

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

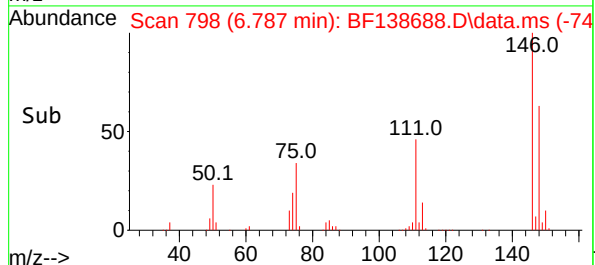
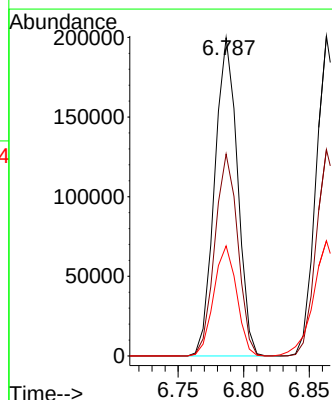
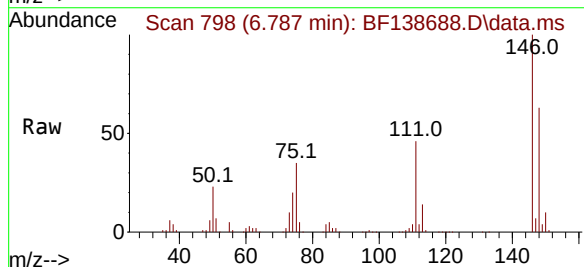
Tgt Ion: 146 Resp: 241485

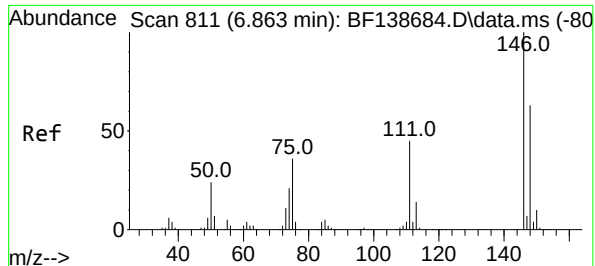
Ion Ratio Lower Upper

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

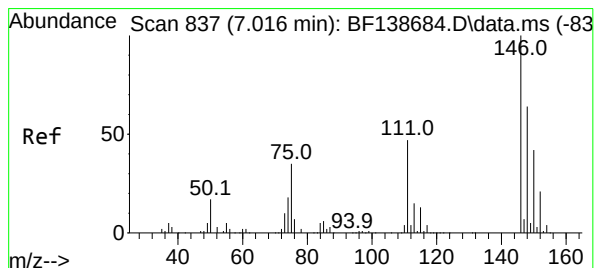
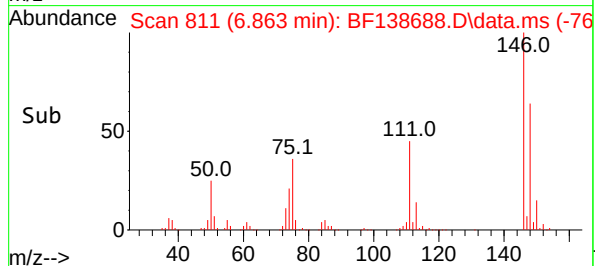
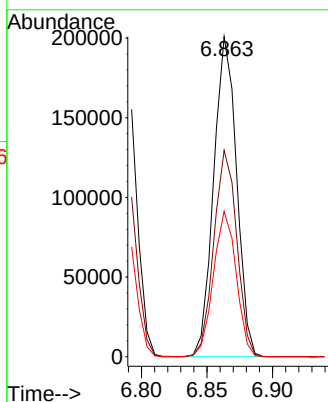
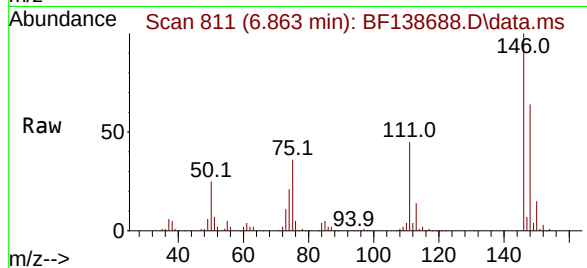
Tgt Ion:146 Resp: 243549

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

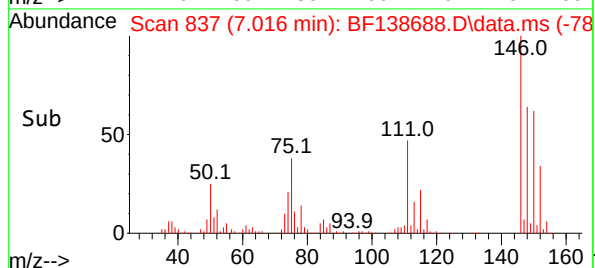
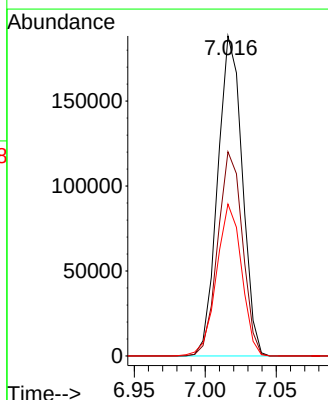
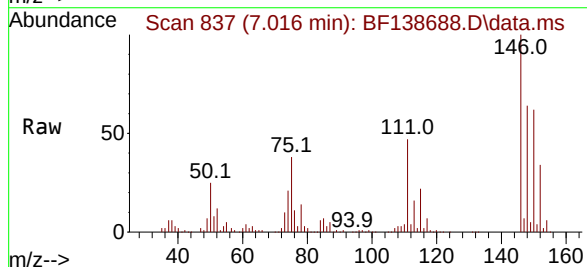
Tgt Ion:146 Resp: 226577

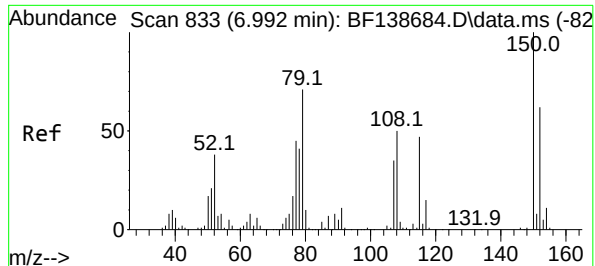
Ion Ratio Lower Upper

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

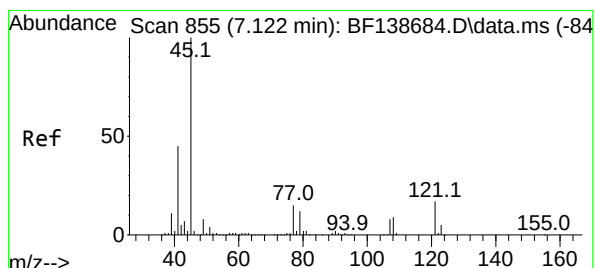
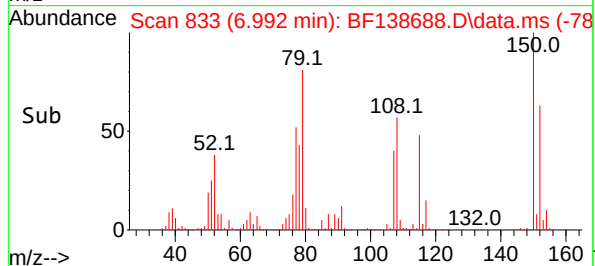
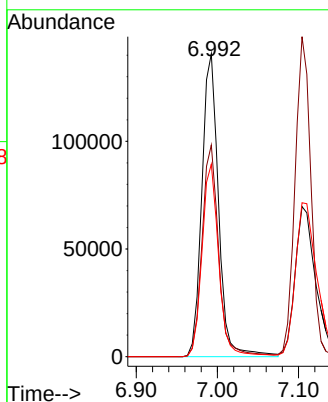
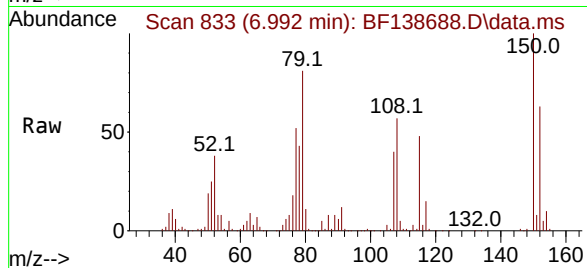
Tgt Ion: 79 Resp: 200599

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

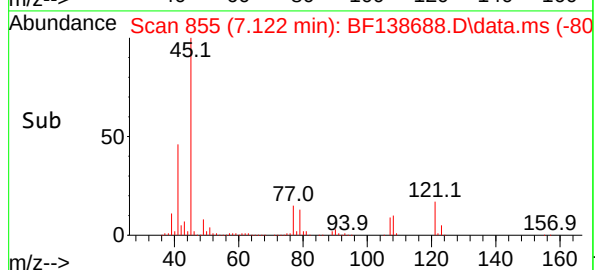
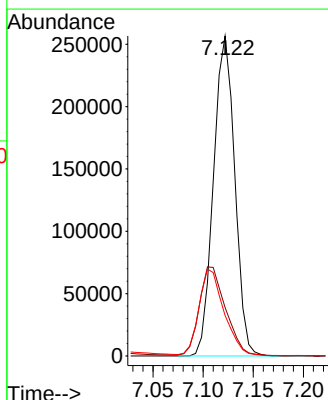
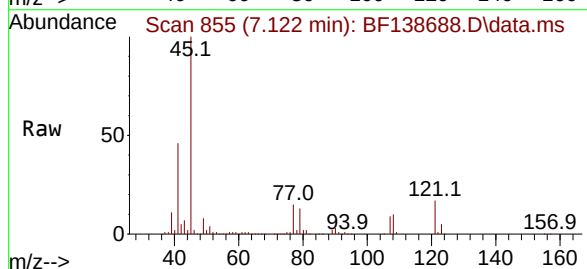
Tgt Ion: 45 Resp: 378258

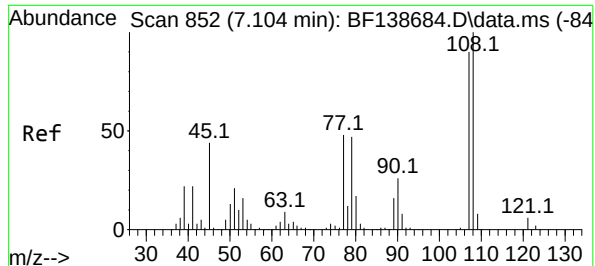
Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.9

79 12.7 0.0 32.2

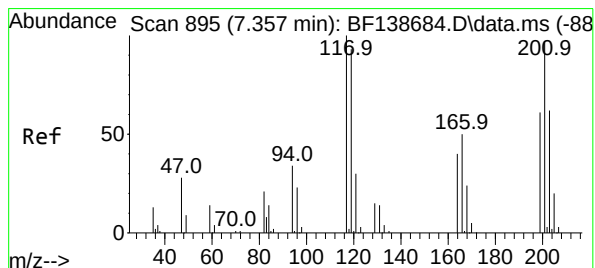
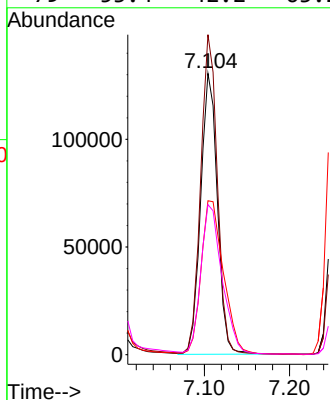
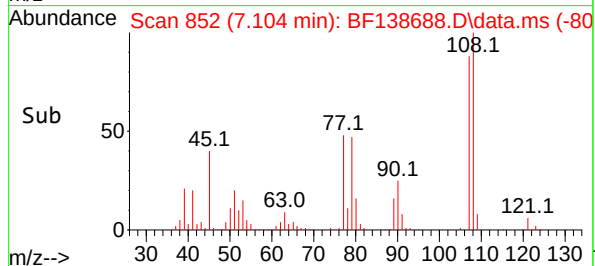
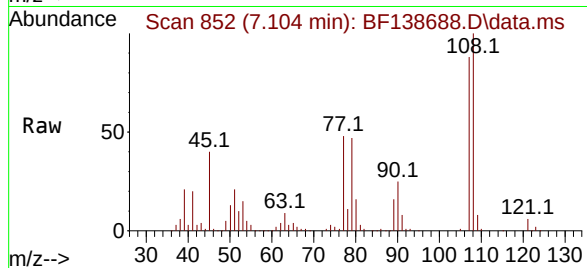




#17
2-Methylphenol
Concen: 38.649 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

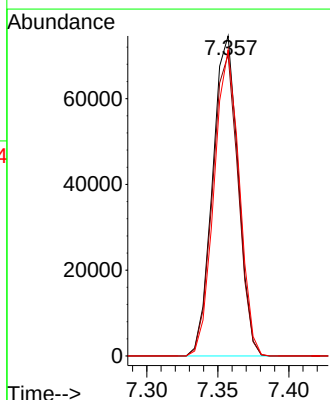
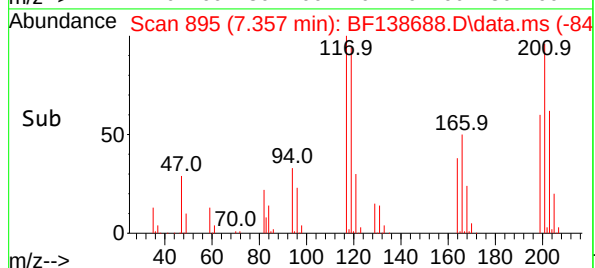
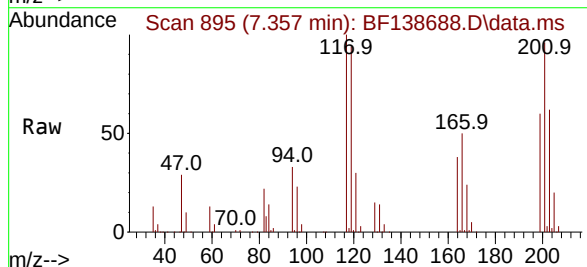
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

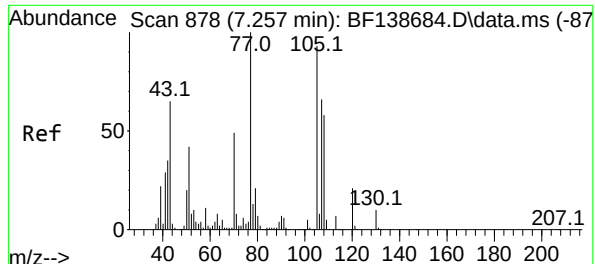
Tgt Ion:107 Resp: 177941
Ion Ratio Lower Upper
107 100
108 113.7 89.2 133.8
77 54.7 43.0 64.4
79 53.4 42.2 63.2



#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

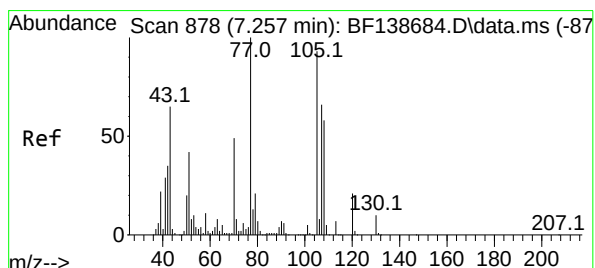
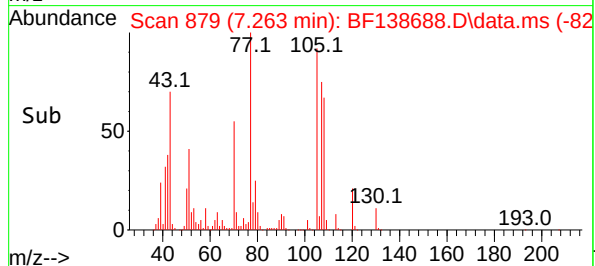
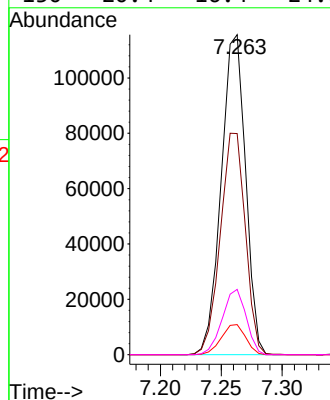
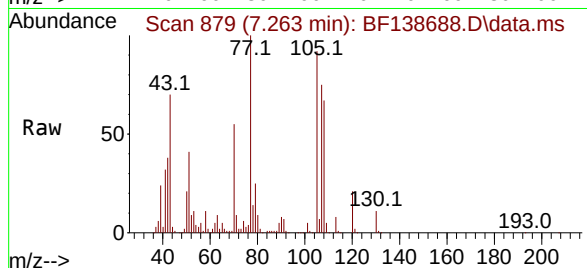
Ion Ratio Lower Upper

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

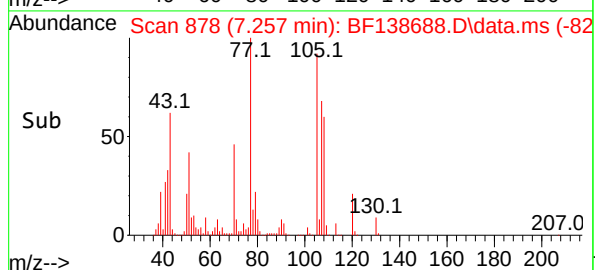
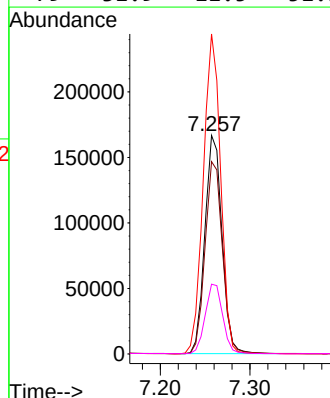
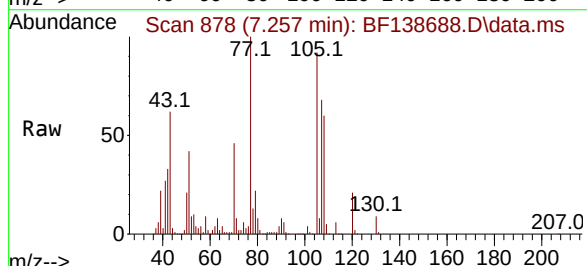
Ion Ratio Lower Upper

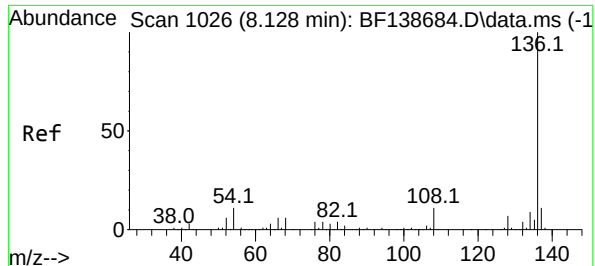
107 100

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

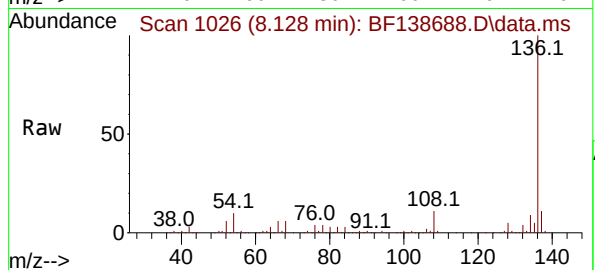
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



Tgt Ion:136 Resp: 316107

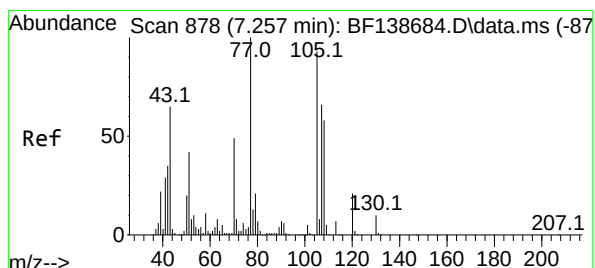
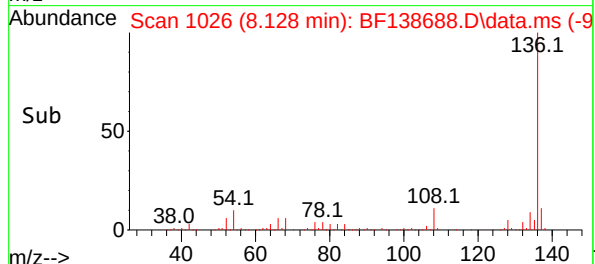
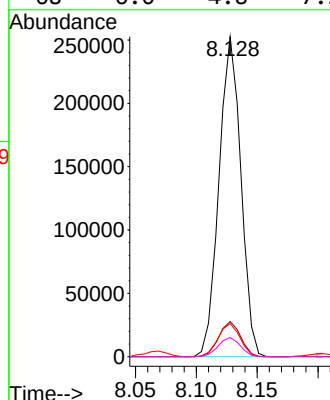
Ion Ratio Lower Upper

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

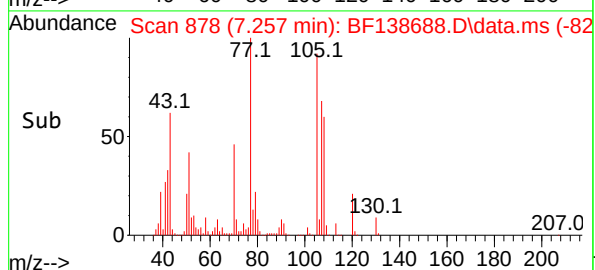
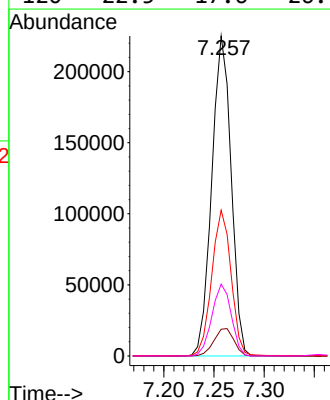
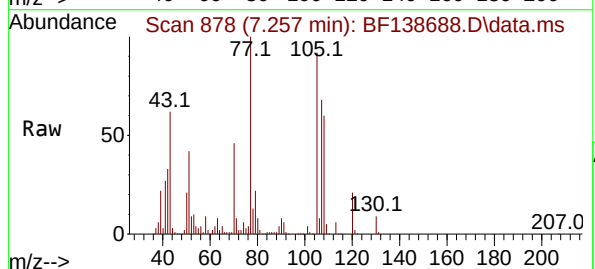
Ion Ratio Lower Upper

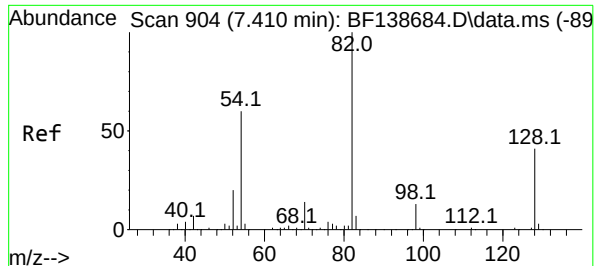
105 100

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

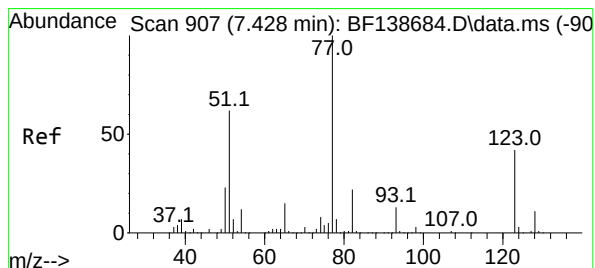
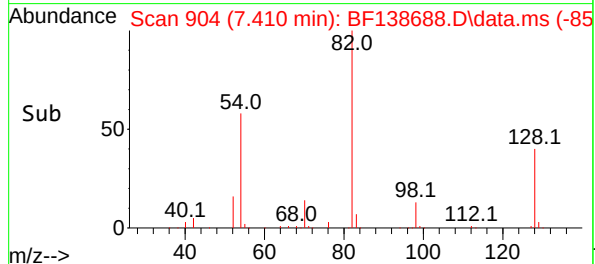
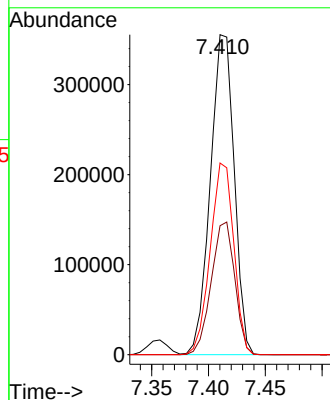
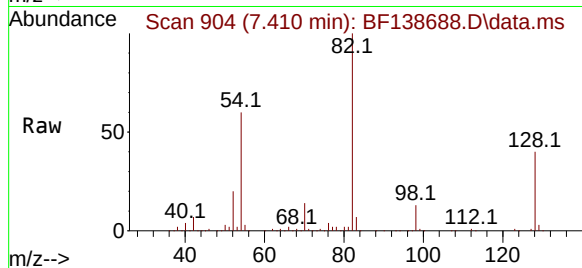
Tgt Ion: 82 Resp: 519984

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

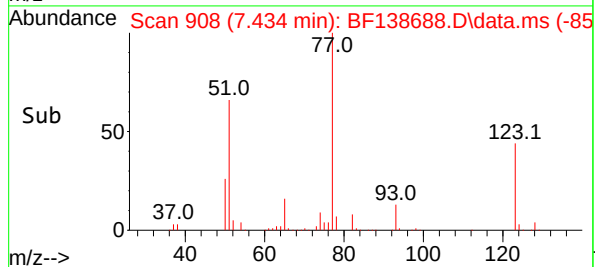
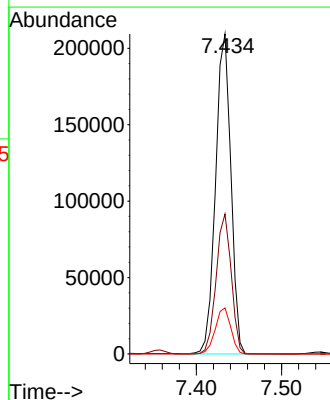
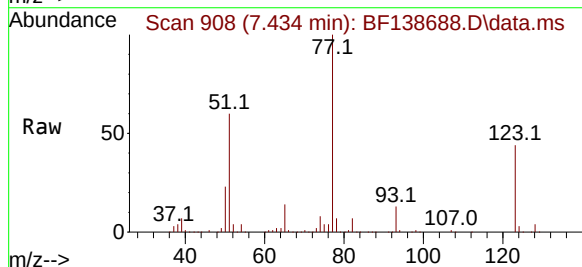
Tgt Ion: 77 Resp: 262386

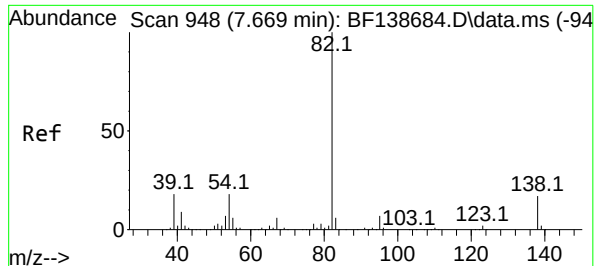
Ion Ratio Lower Upper

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 :

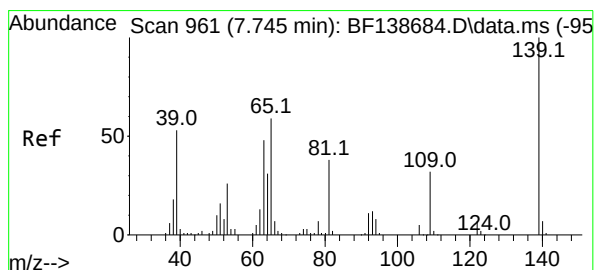
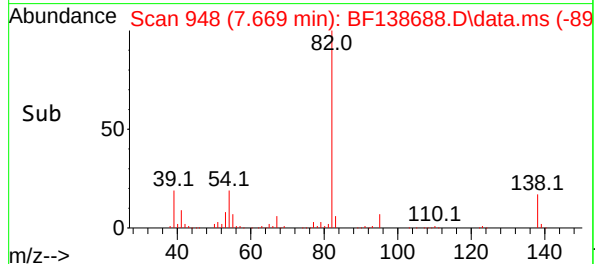
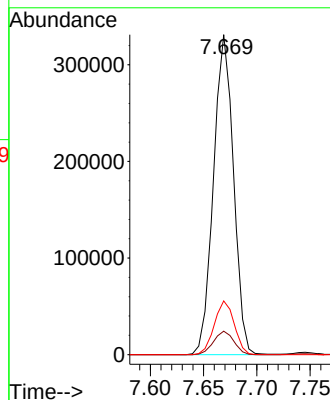
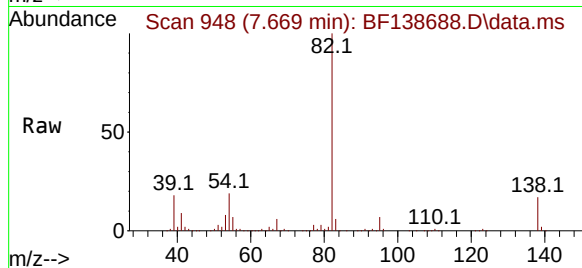
BNA_F

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

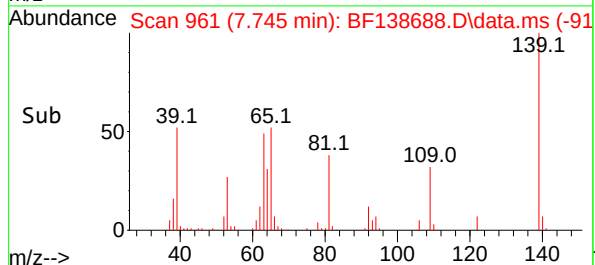
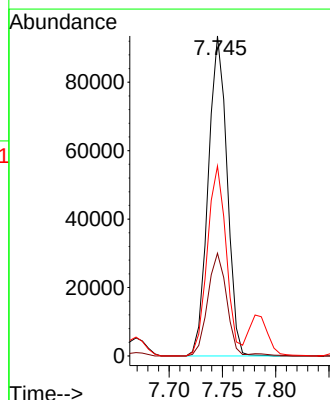
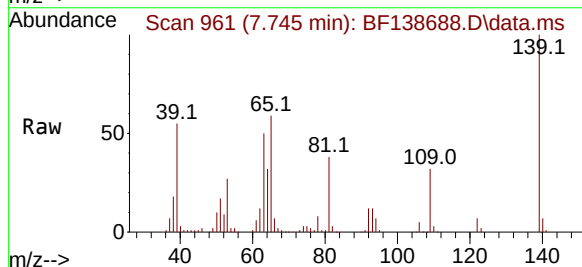
Delta R.T. 0.000 min

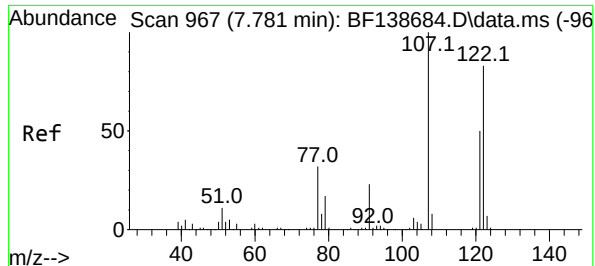
Lab File: BF138688.D

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# 9

Delta R.T. 0.006 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

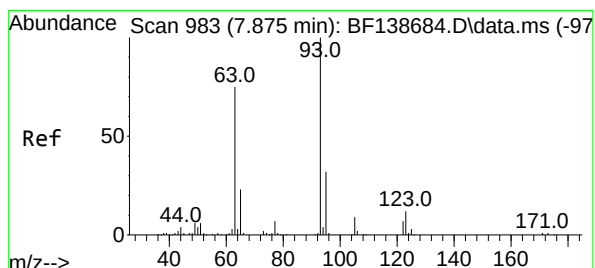
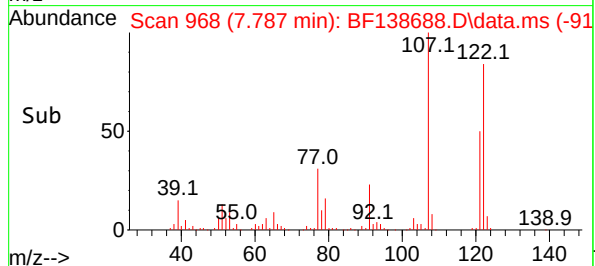
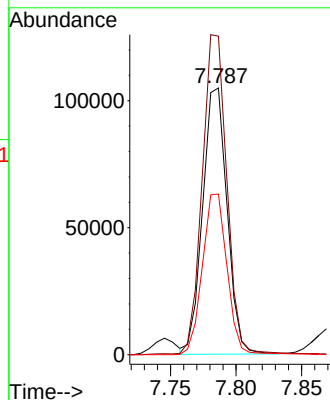
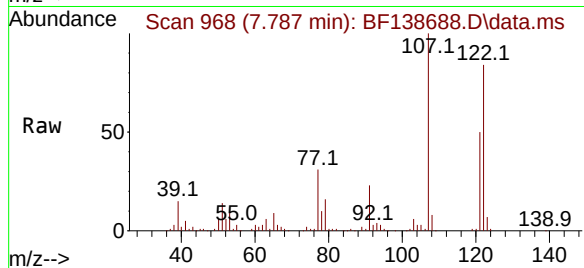
Tgt Ion:122 Resp: 136249

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

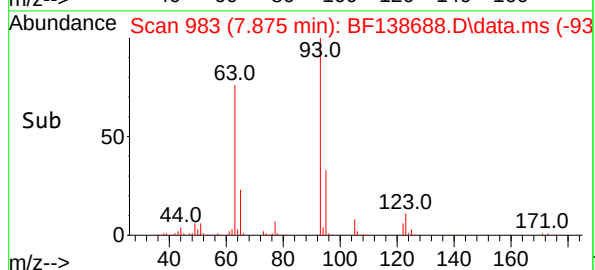
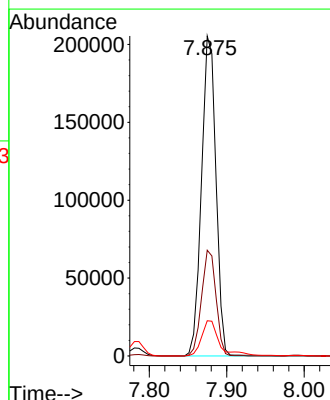
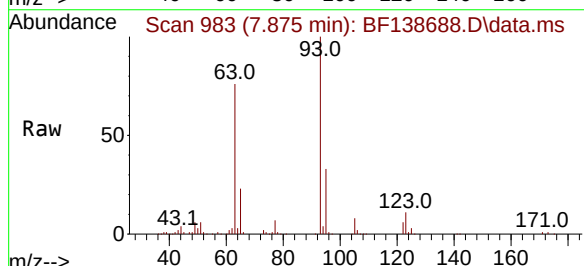
Tgt Ion: 93 Resp: 265943

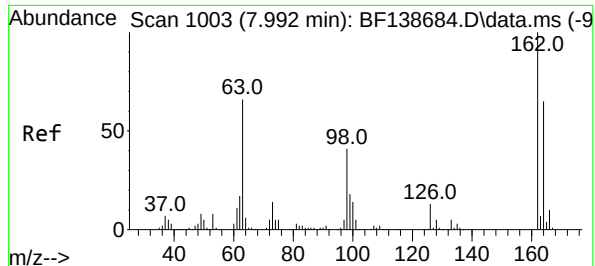
Ion Ratio Lower Upper

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

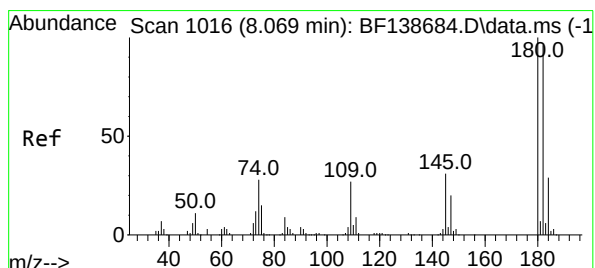
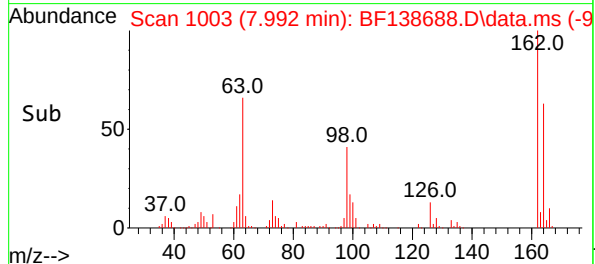
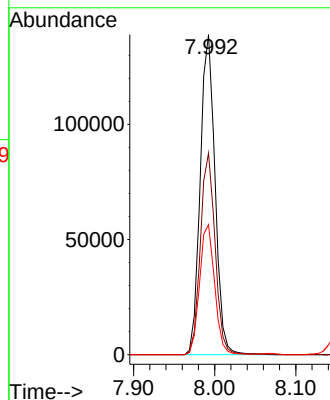
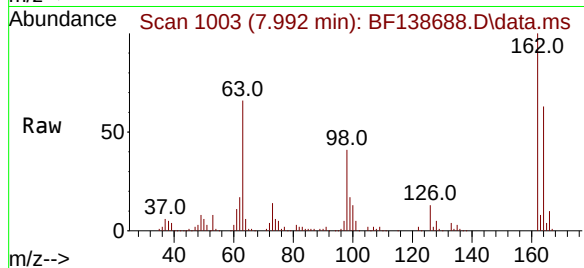
Tgt Ion:162 Resp: 176541

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

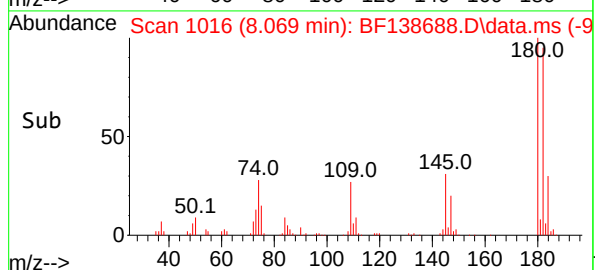
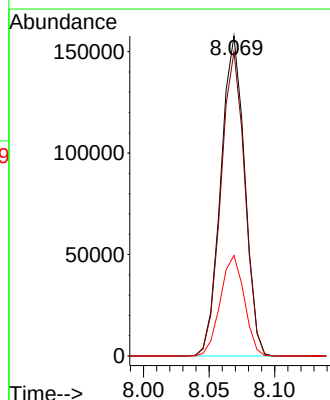
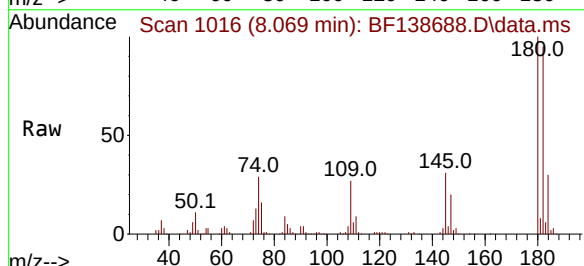
Tgt Ion:180 Resp: 199132

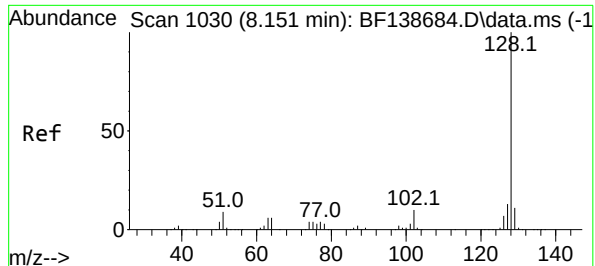
Ion Ratio Lower Upper

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

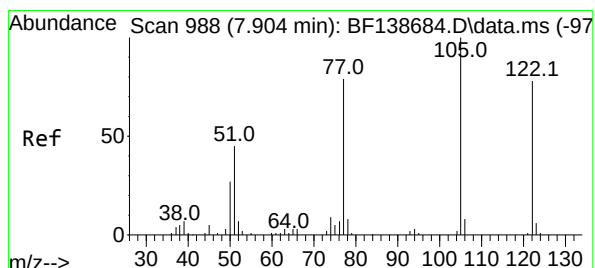
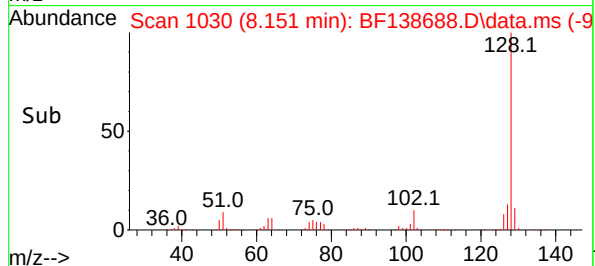
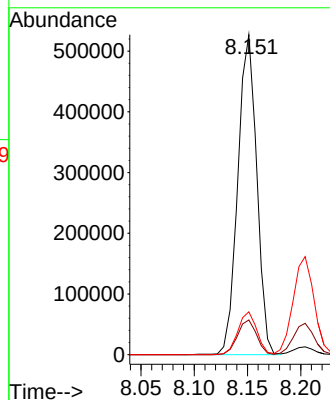
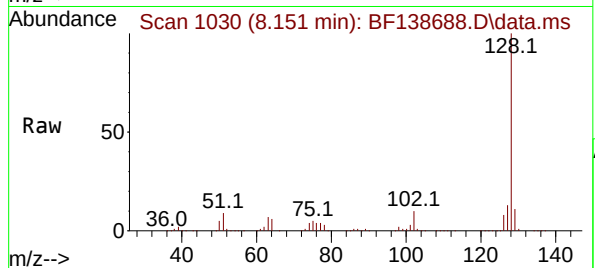
Tgt Ion:128 Resp: 652780

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

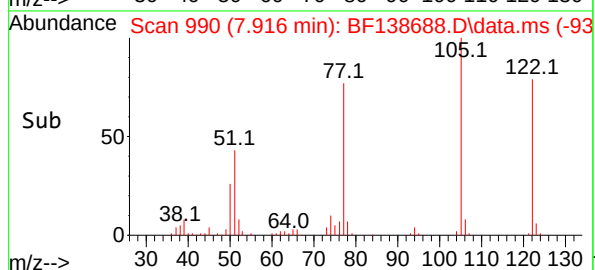
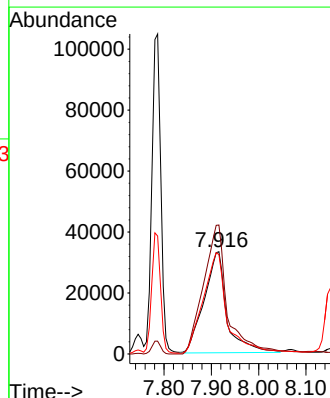
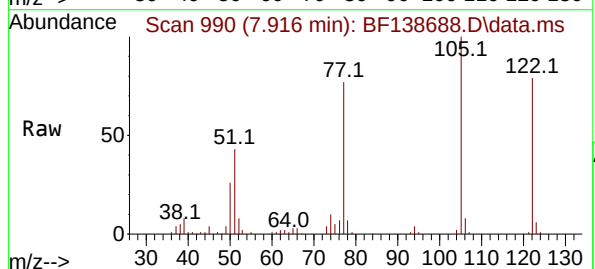
Tgt Ion:122 Resp: 110429

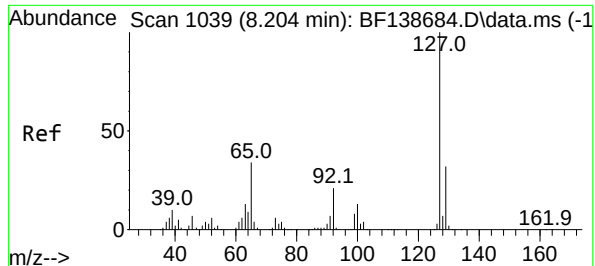
Ion Ratio Lower Upper

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

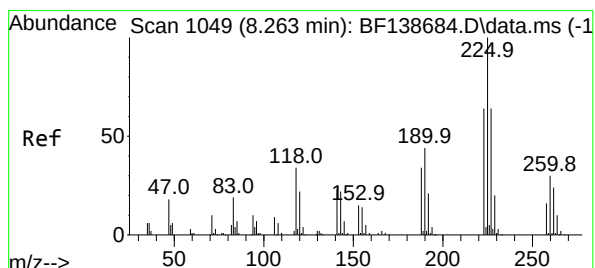
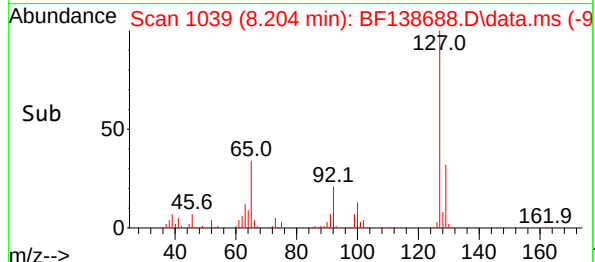
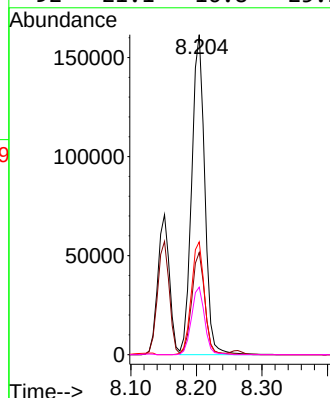
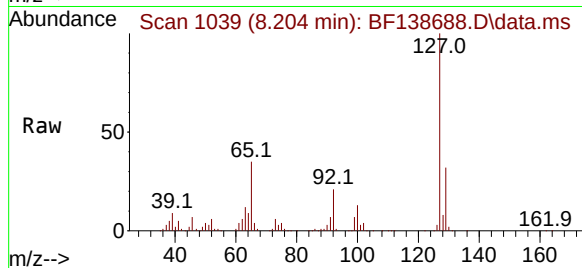
Ion Ratio Lower Upper

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

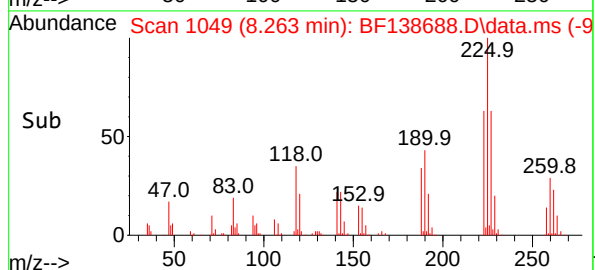
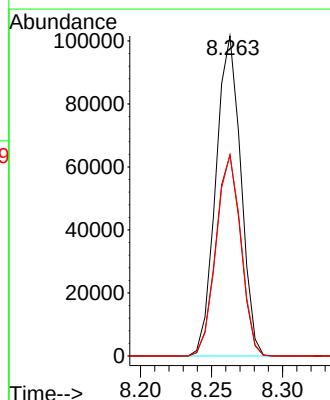
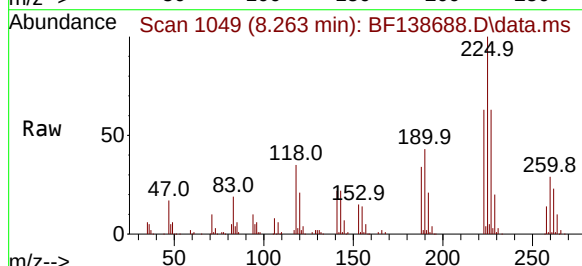
Tgt Ion:225 Resp: 124022

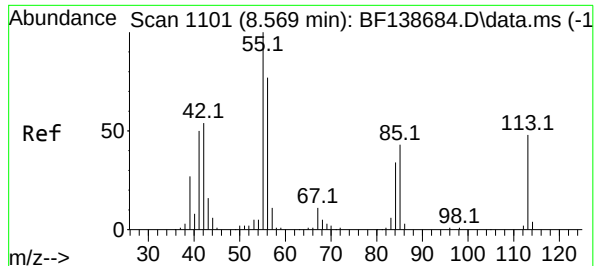
Ion Ratio Lower Upper

225 100

223 62.8 51.2 76.8

227 62.9 51.1 76.7

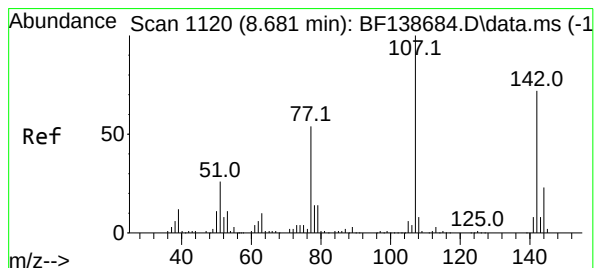
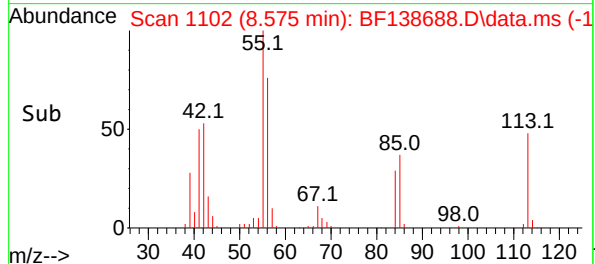
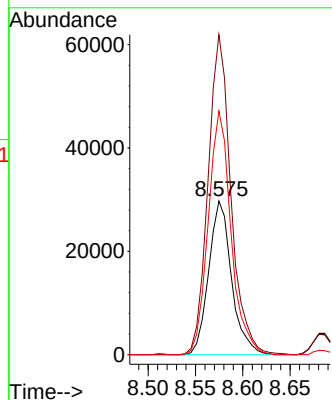
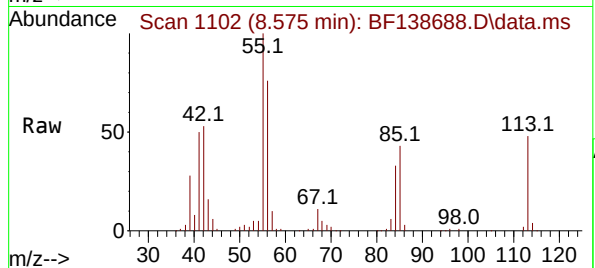




#35
Caprolactam
Concen: 38.365 ng
RT: 8.575 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

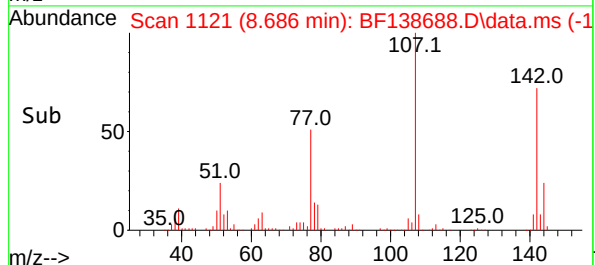
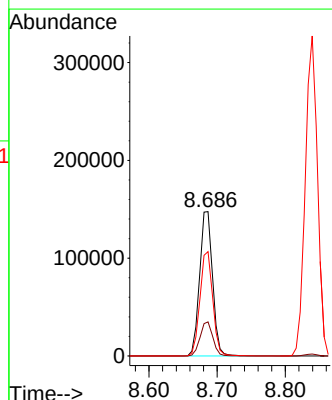
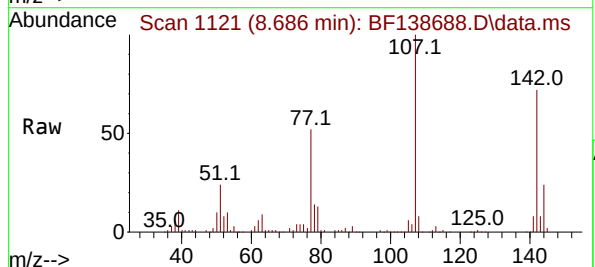
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

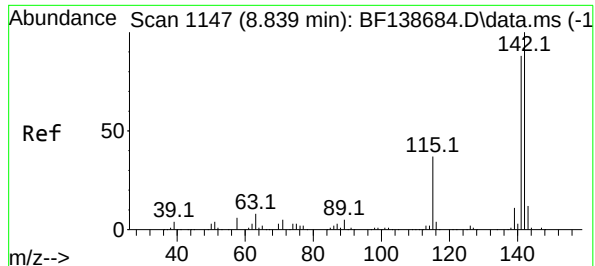
Tgt Ion:113 Resp: 49818
Ion Ratio Lower Upper
113 100
55 208.2 186.7 226.7
56 158.6 138.9 178.9



#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 :

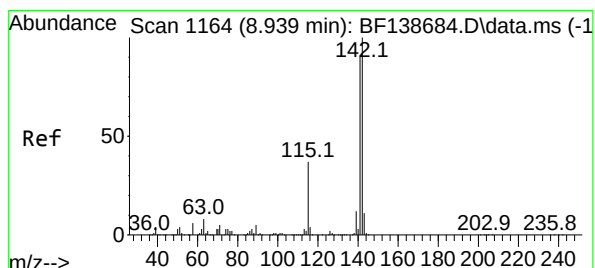
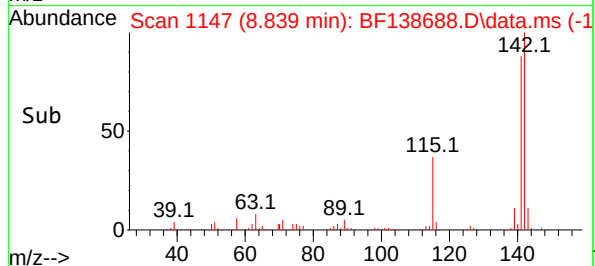
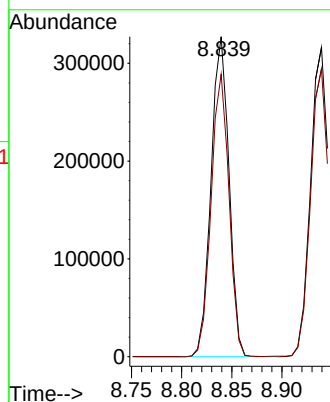
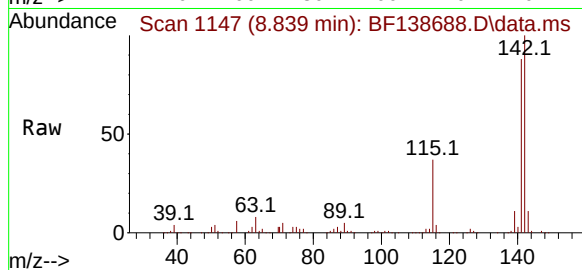
ICVBF073024

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

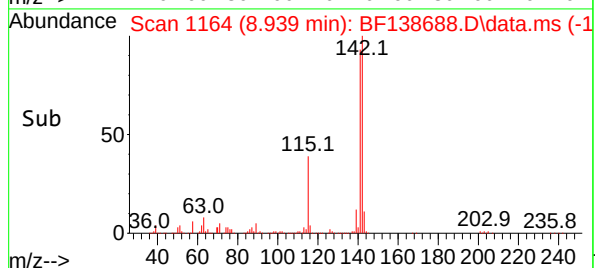
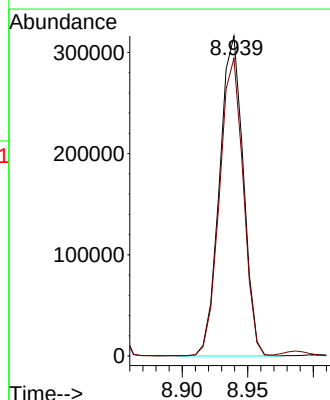
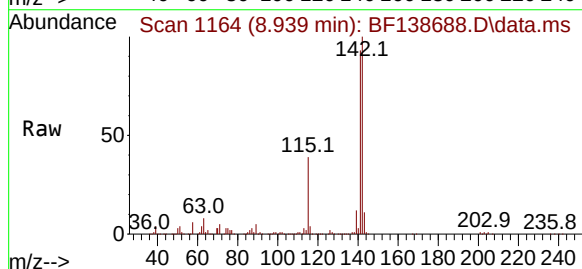
Acq: 30 Jul 2024 17:55

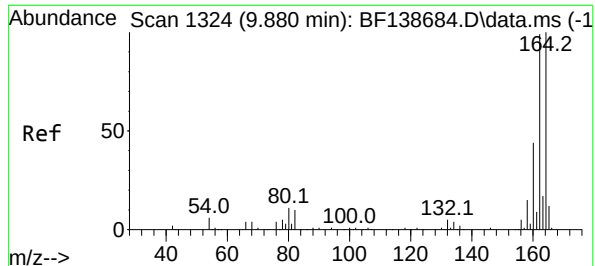
Tgt Ion:142 Resp: 398155

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# 1175

Delta R.T. 0.001 min

Lab File: BF138688.D

Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024

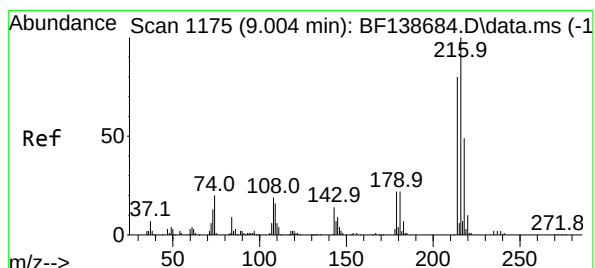
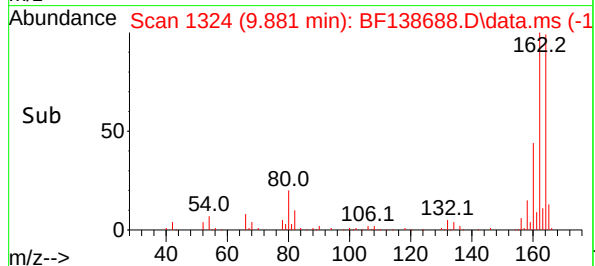
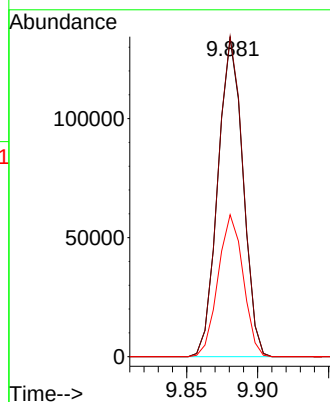
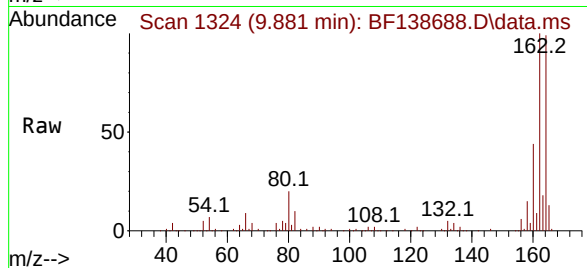
Tgt Ion:164 Resp: 164062

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

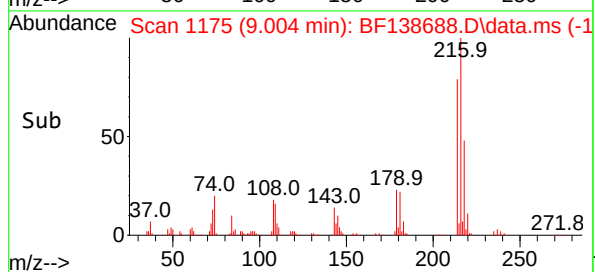
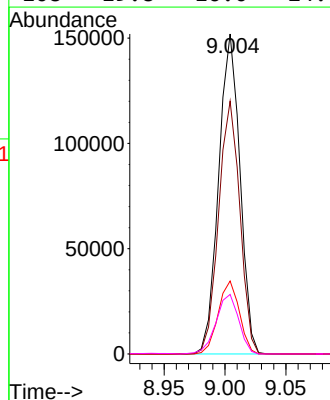
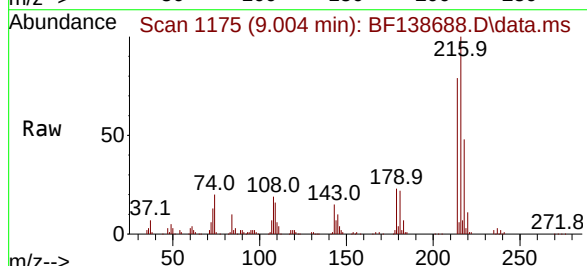
Ion Ratio Lower Upper

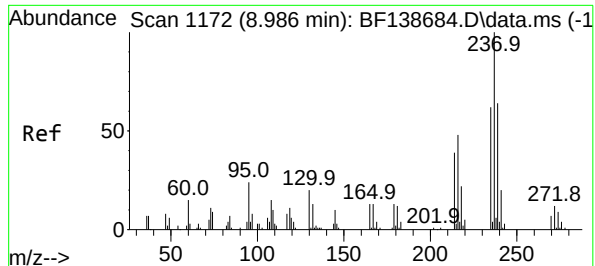
216 100

214 78.7 63.9 95.9

179 22.6 17.8 26.6

108 19.8 16.0 24.0

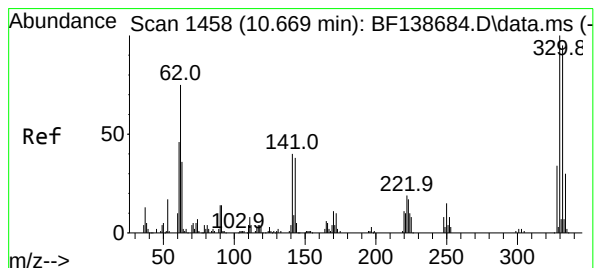
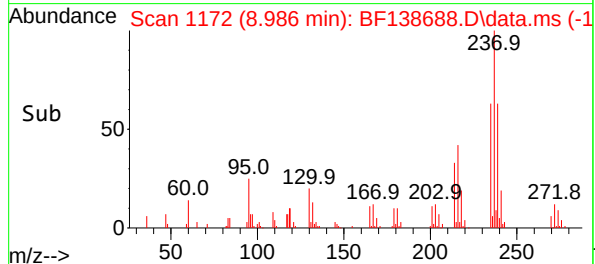
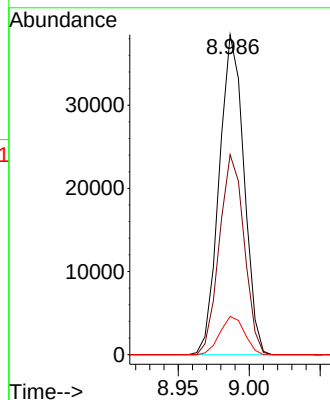
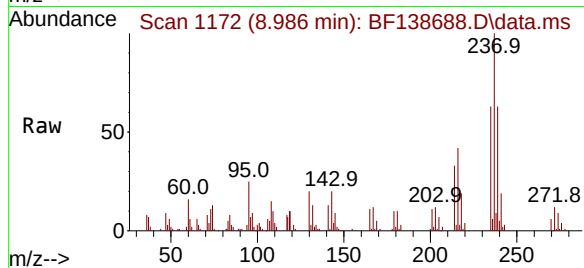




#41
Hexachlorocyclopentadiene
Concen: 42.278 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

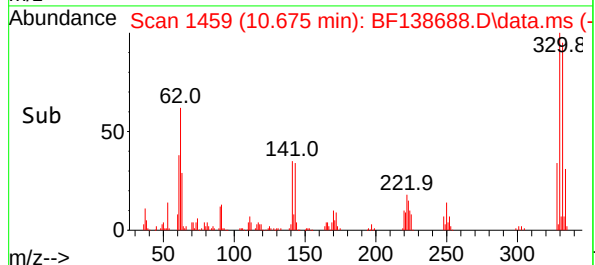
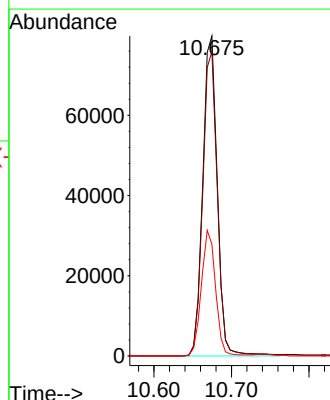
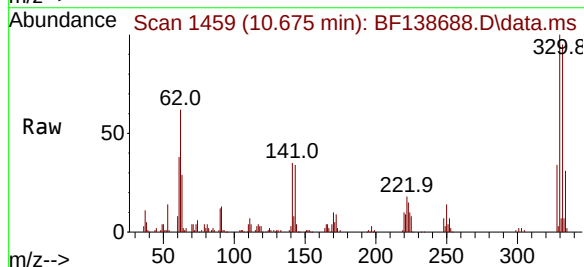
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

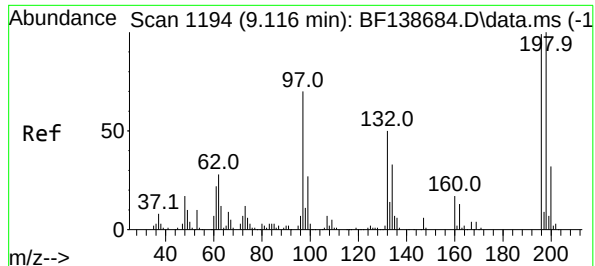
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.8	81.8
272	11.9	0.0	32.2



#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	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

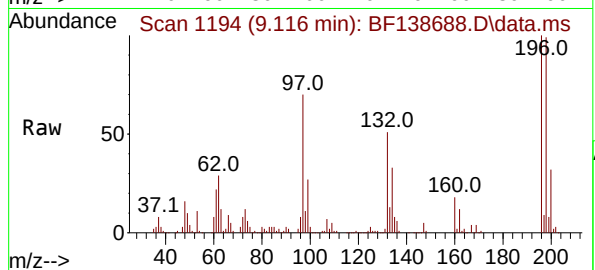
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



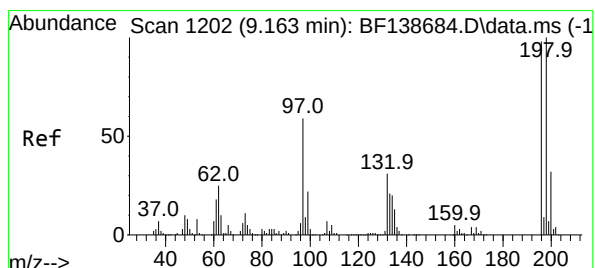
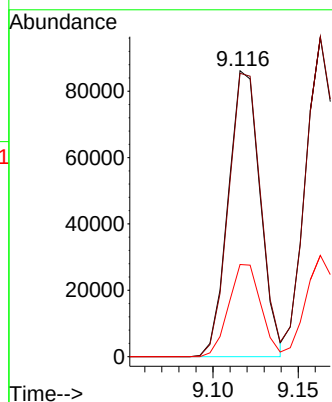
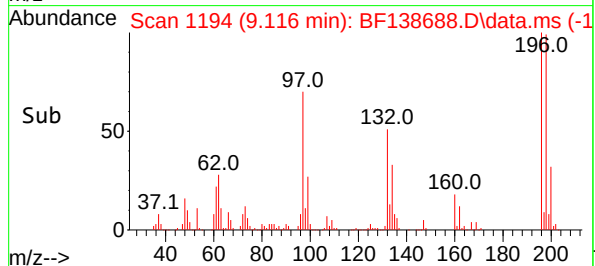
Tgt Ion:196 Resp: 112217

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

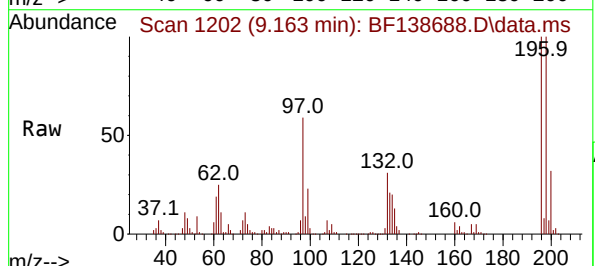
Concen: 41.011 ng

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

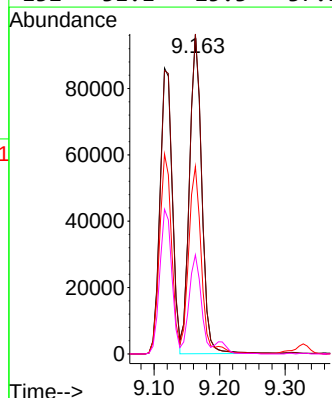
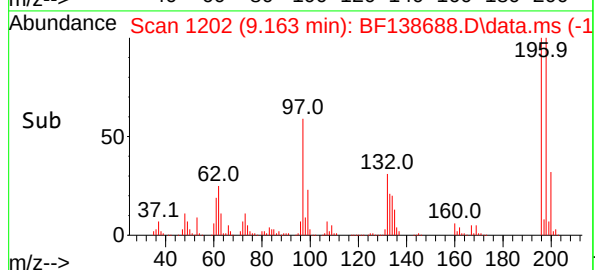
Ion Ratio Lower Upper

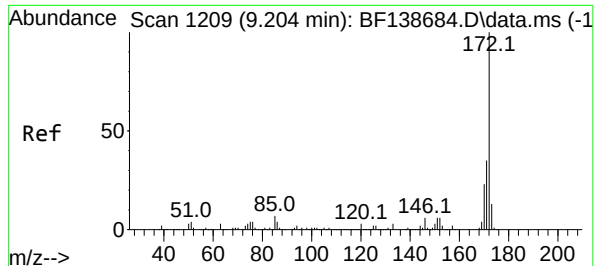
196 100

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

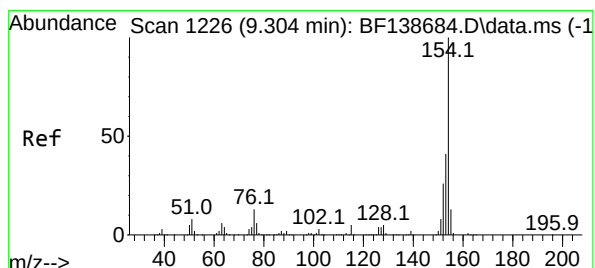
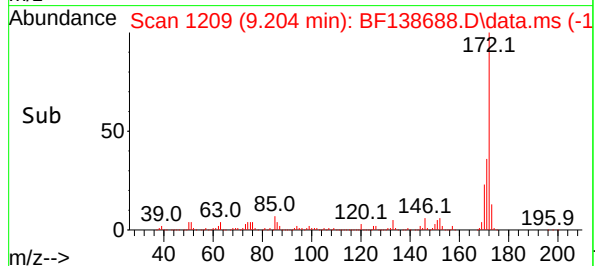
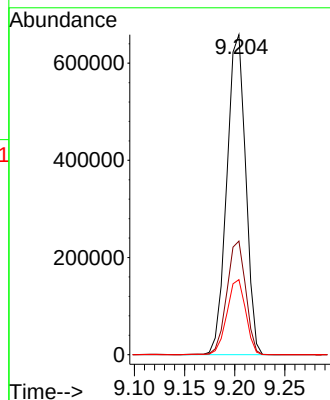
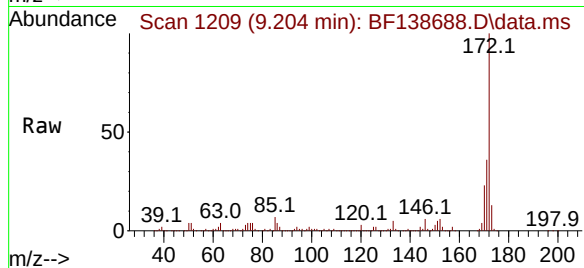
Tgt Ion:172 Resp: 857165

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

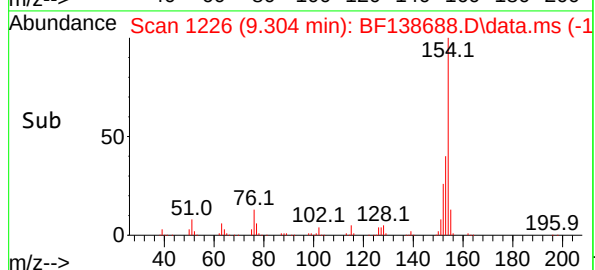
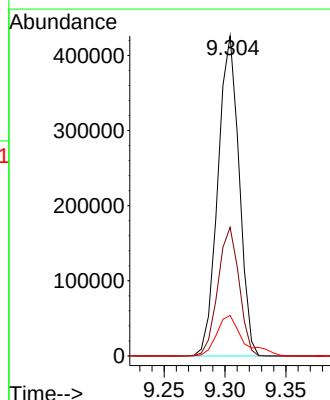
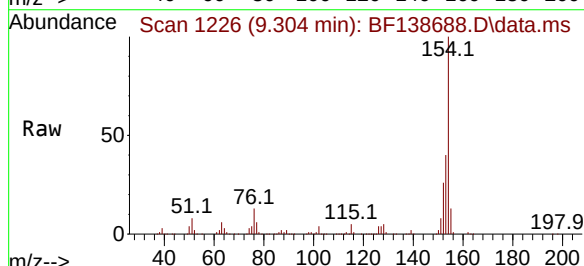
Tgt Ion:154 Resp: 515966

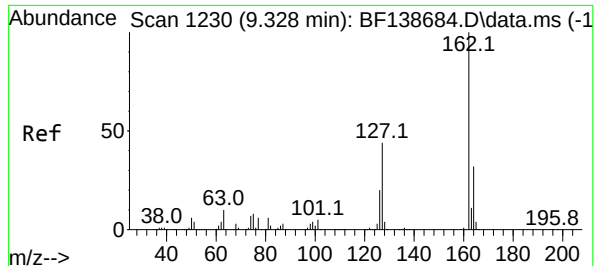
Ion Ratio Lower Upper

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

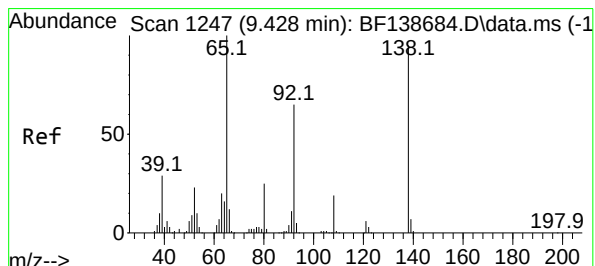
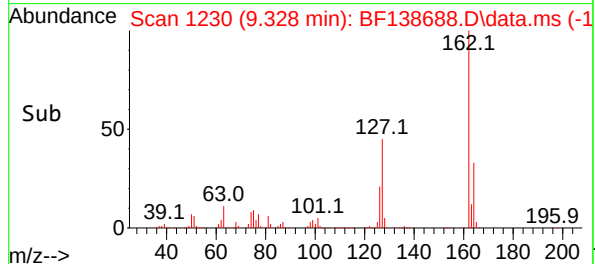
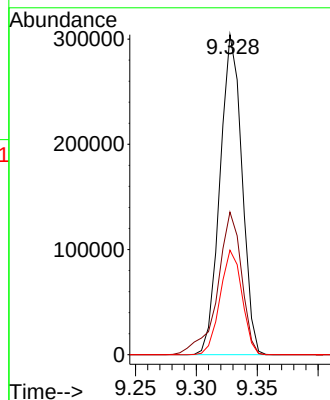
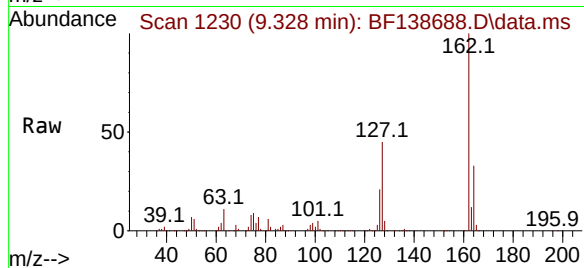
Tgt Ion:162 Resp: 381923

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

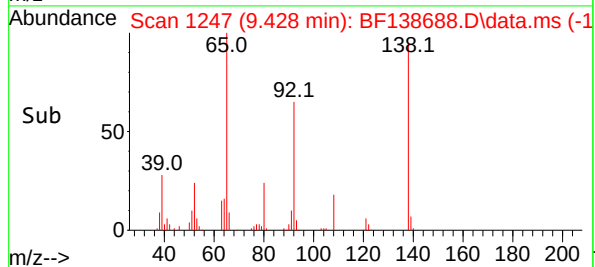
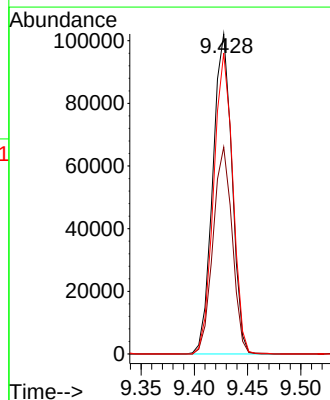
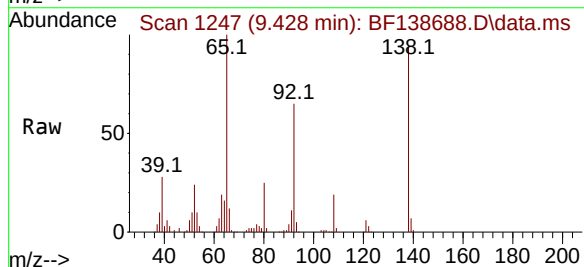
Tgt Ion: 65 Resp: 127985

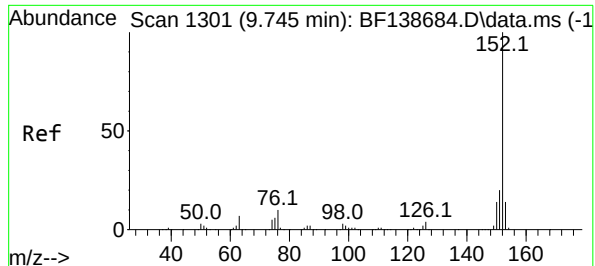
Ion Ratio Lower Upper

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

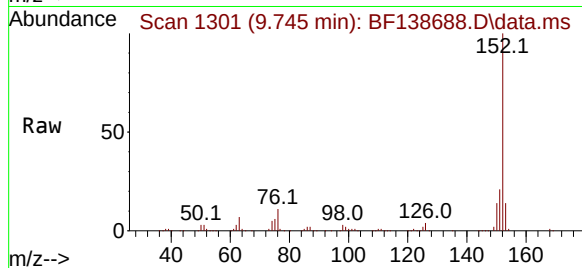
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



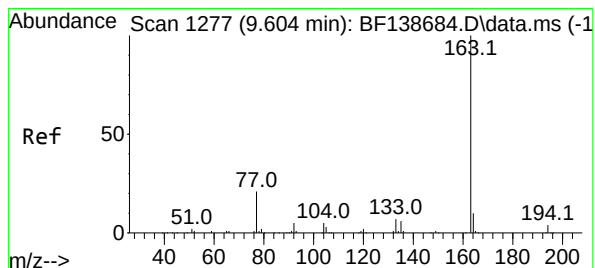
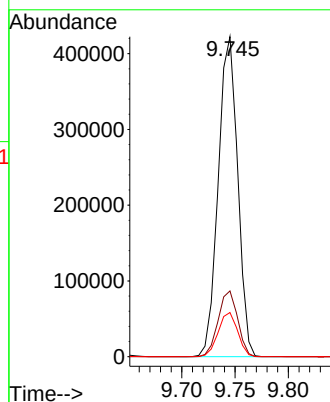
Tgt Ion:152 Resp: 535427

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

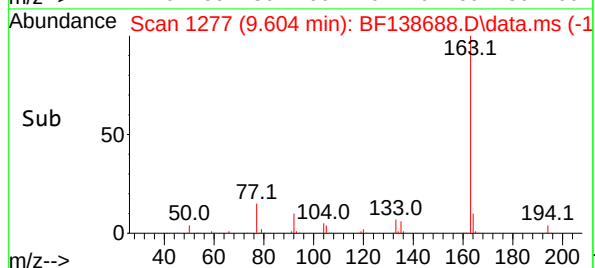
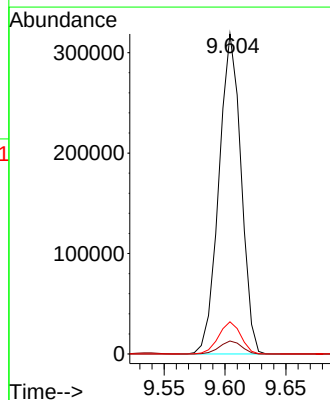
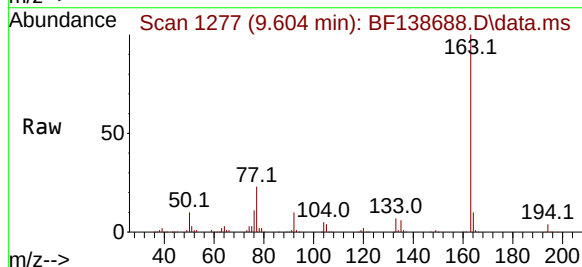
Tgt Ion:163 Resp: 403438

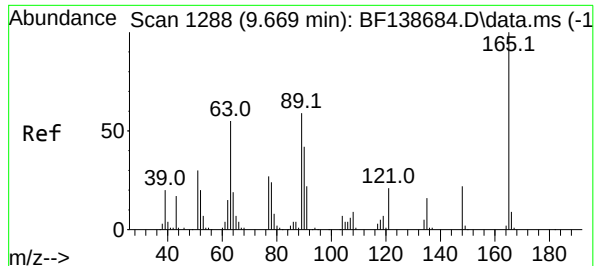
Ion Ratio Lower Upper

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

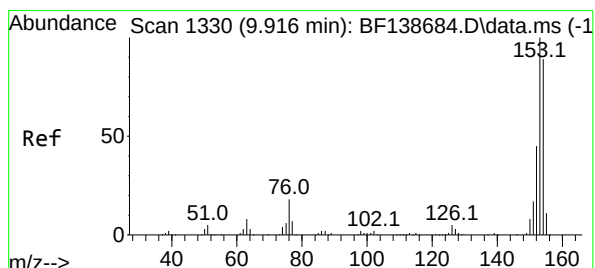
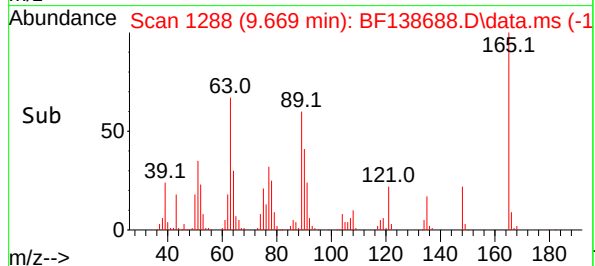
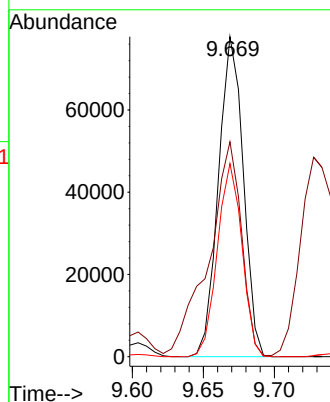
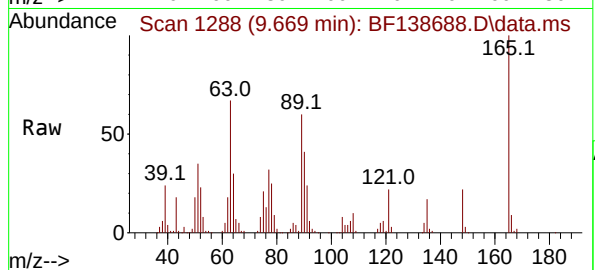
Tgt Ion:165 Resp: 94451

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

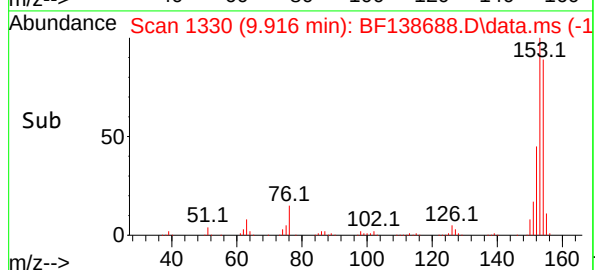
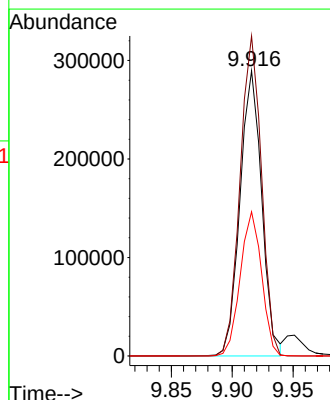
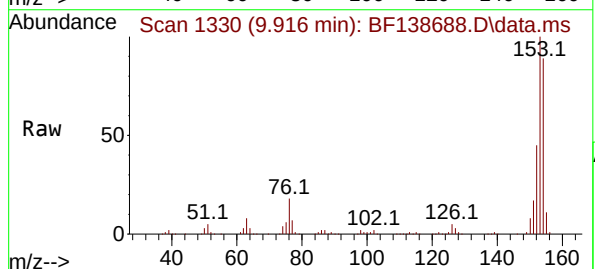
Tgt Ion:154 Resp: 359484

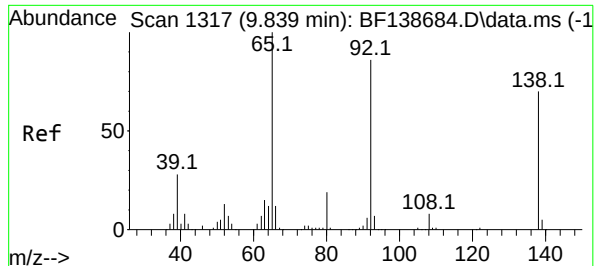
Ion Ratio Lower Upper

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

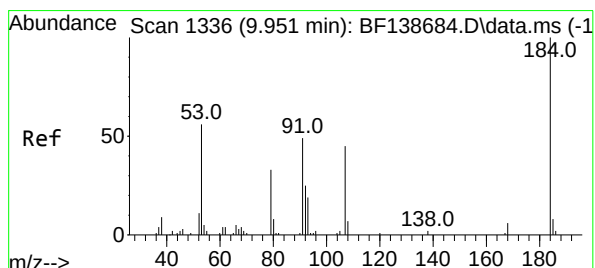
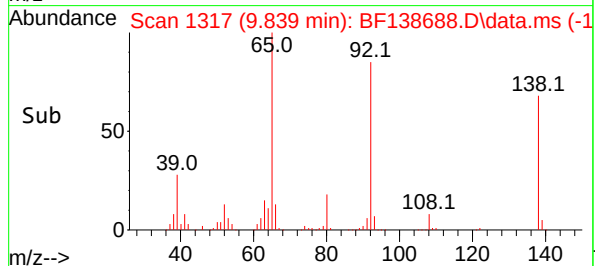
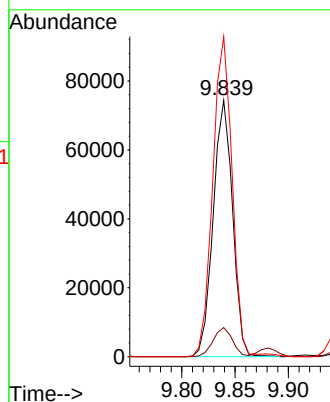
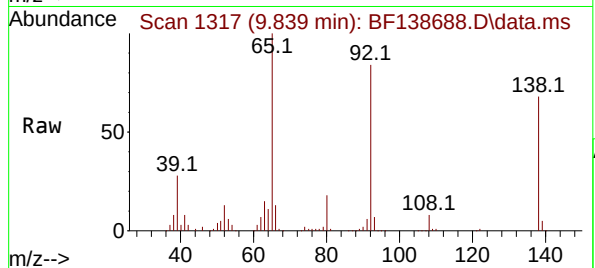
Tgt Ion:138 Resp: 93752

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

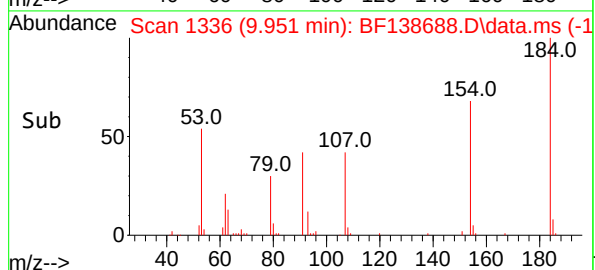
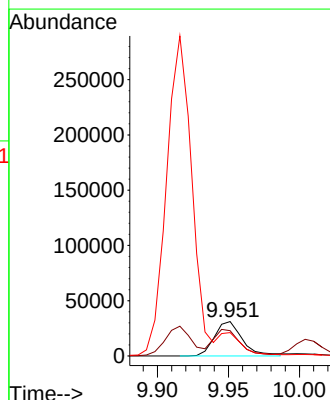
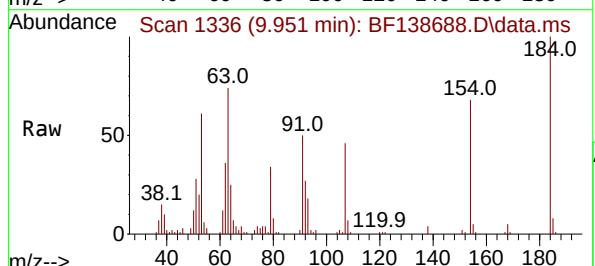
Tgt Ion:184 Resp: 42619

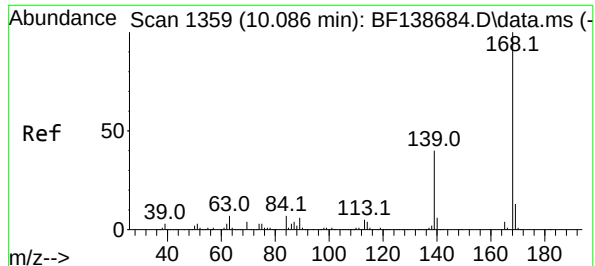
Ion Ratio Lower Upper

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

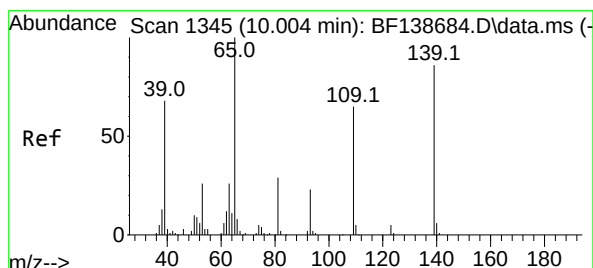
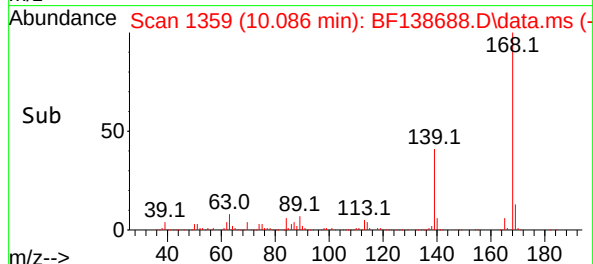
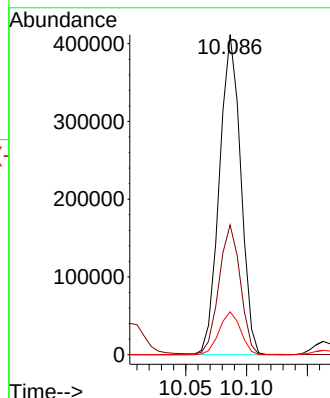
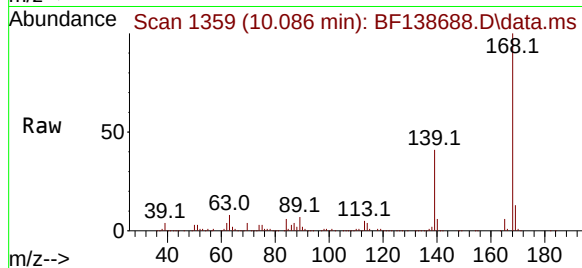
Tgt Ion:168 Resp: 501545

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

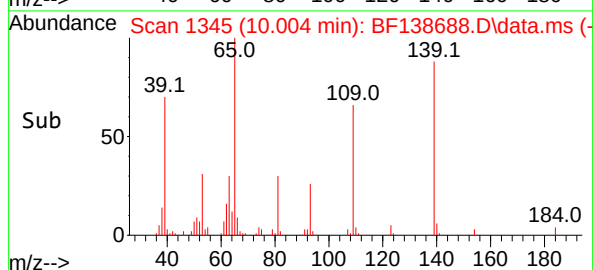
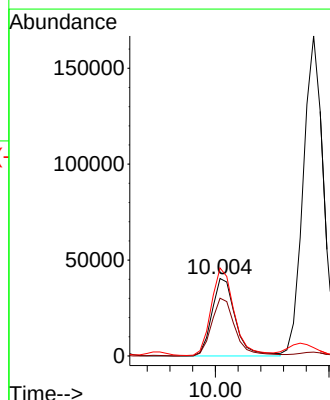
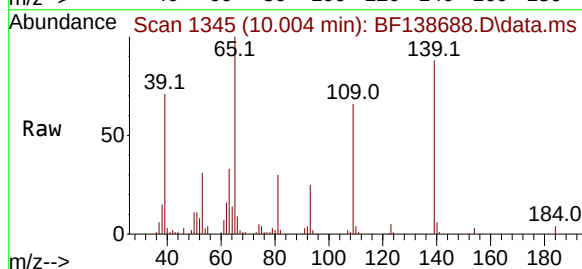
Tgt Ion:139 Resp: 57893

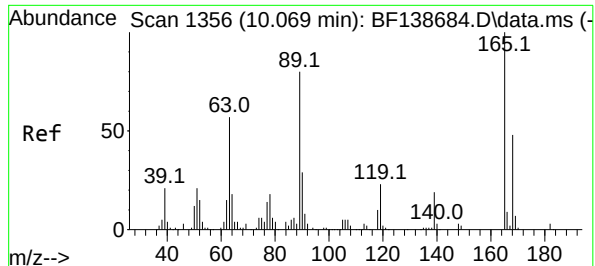
Ion Ratio Lower Upper

139 100

109 74.6 55.5 95.5

65 113.6 96.7 136.7

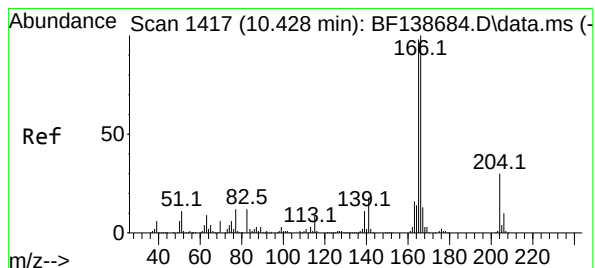
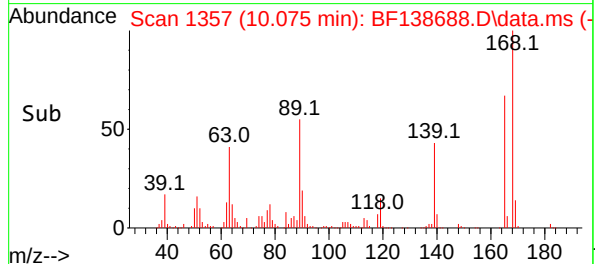
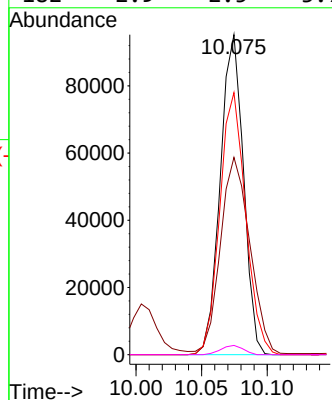
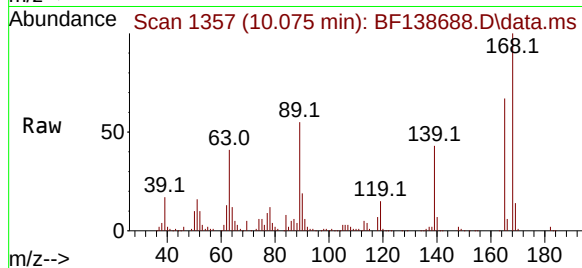




#57
2,4-Dinitrotoluene
Concen: 38.673 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

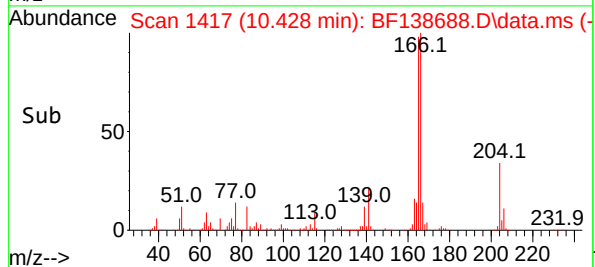
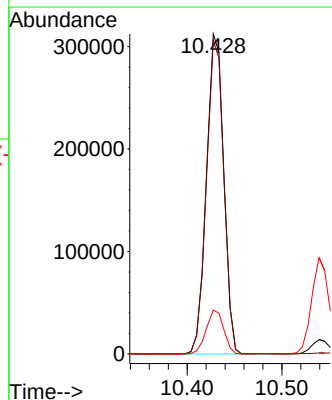
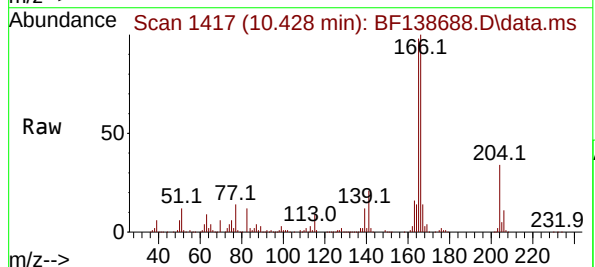
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

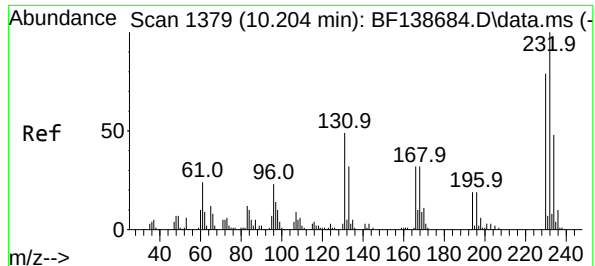
Tgt Ion:165 Resp: 116813
Ion Ratio Lower Upper
165 100
63 61.6 46.3 69.5
89 81.9 64.2 96.4
182 2.9 2.5 3.7



#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

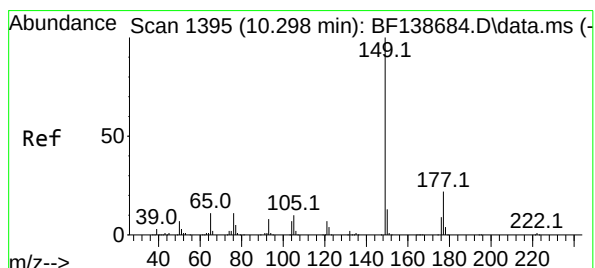
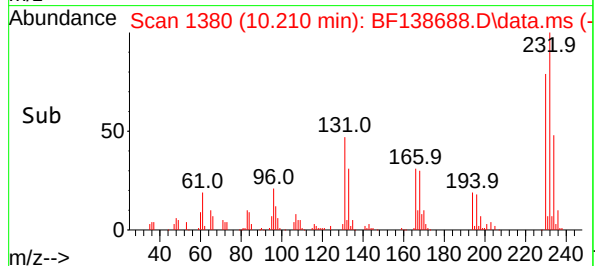
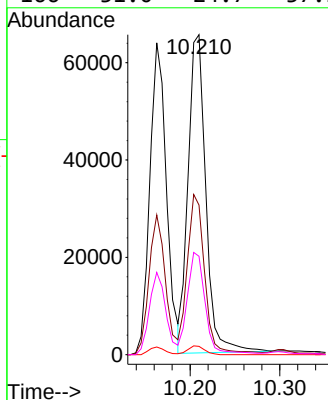
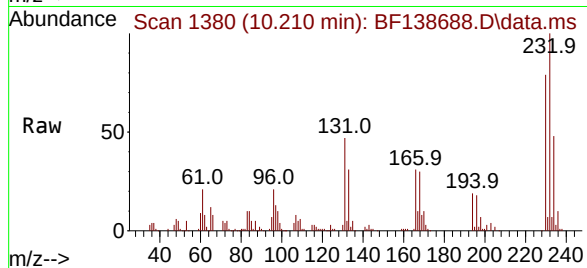




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.680 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

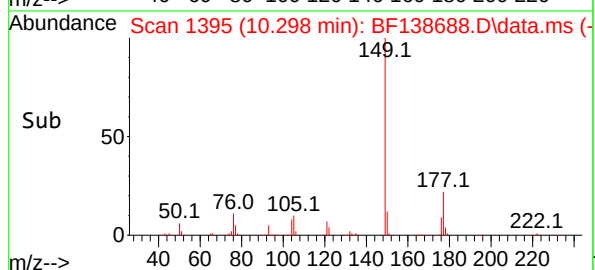
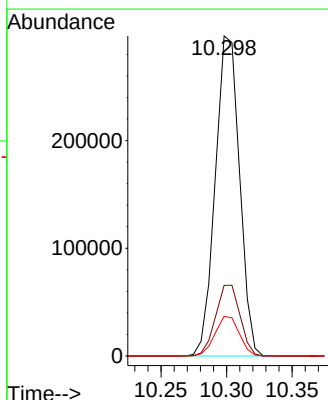
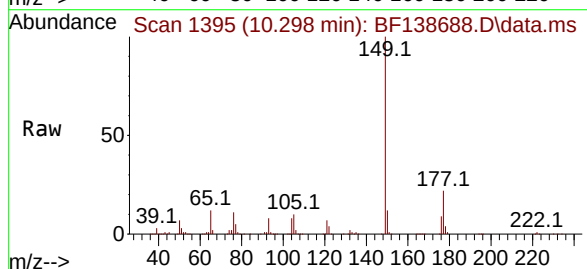
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

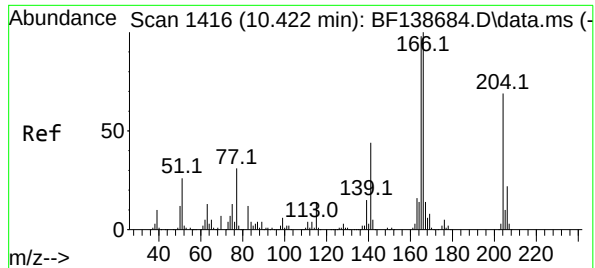
Tgt Ion:232 Resp: 89831
Ion Ratio Lower Upper
232 100
131 49.2 37.0 55.4
130 2.6 2.0 3.0
166 31.0 24.7 37.1



#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

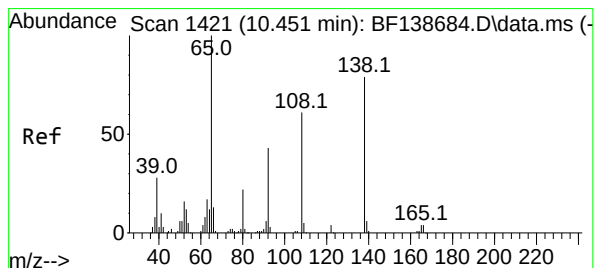
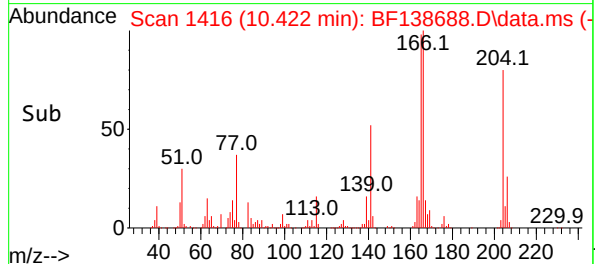
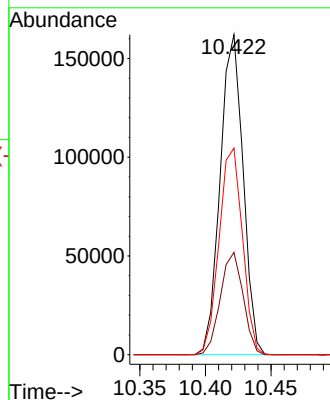
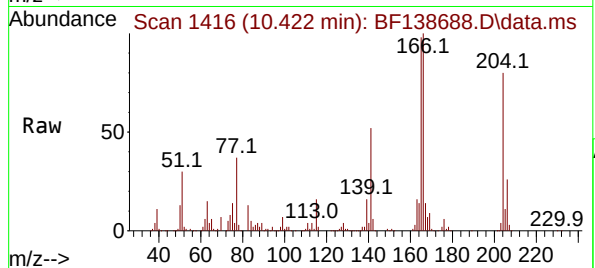




#61
4-Chlorophenyl-phenylether
Concen: 39.091 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

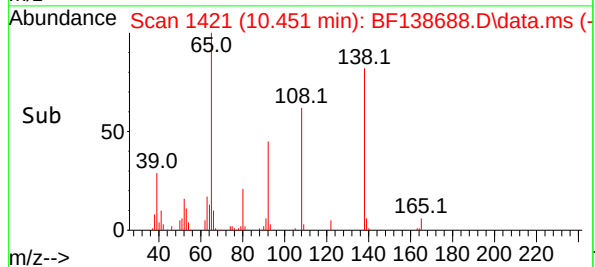
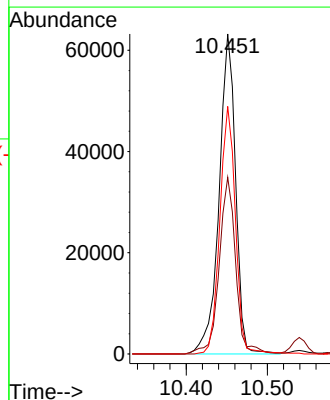
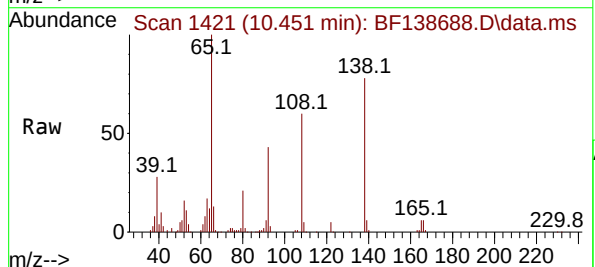
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

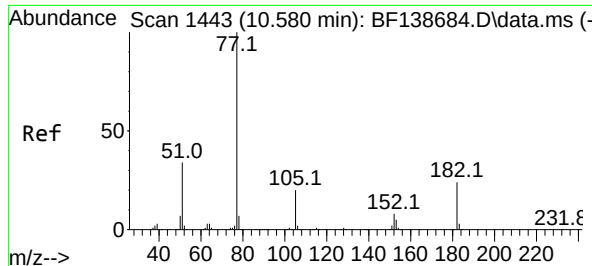
Tgt Ion:204 Resp: 196905
Ion Ratio Lower Upper
204 100
206 31.9 26.1 39.1
141 64.5 51.4 77.0



#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

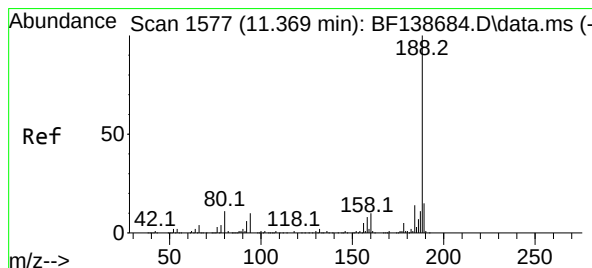
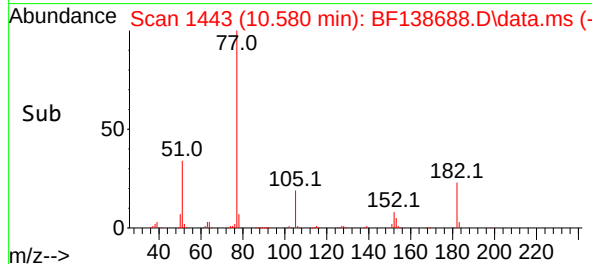
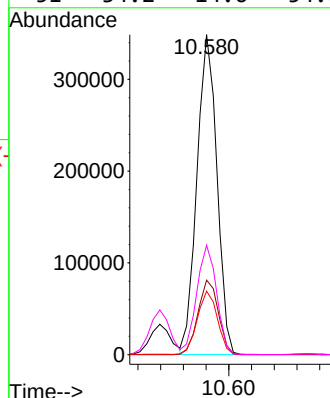
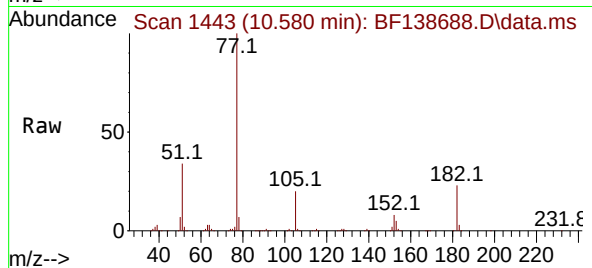




#63
Azobenzene
Concen: 38.622 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

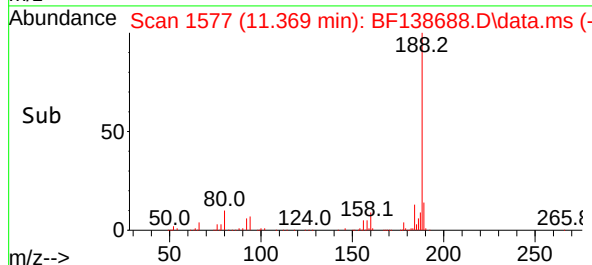
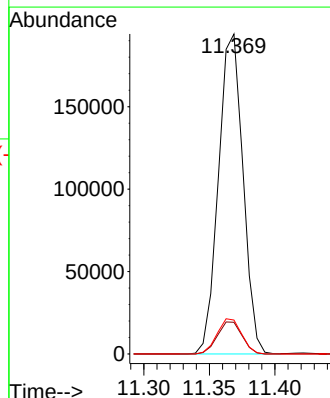
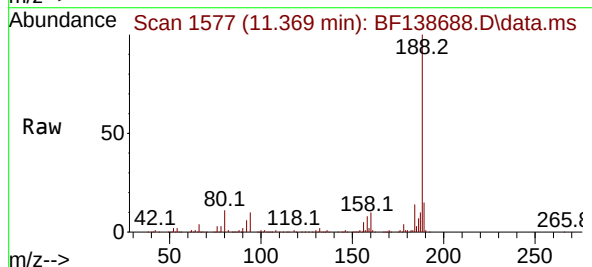
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

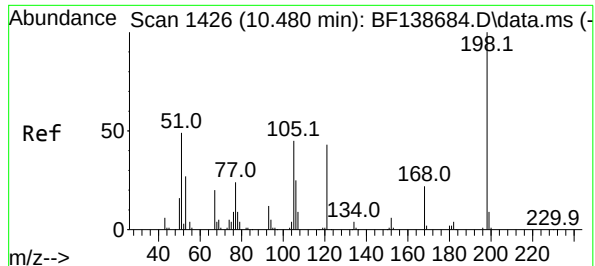
Tgt Ion:	77	Resp:	426075
Ion	Ratio	Lower	Upper
77	100		
182	23.3	3.4	43.4
105	19.9	0.2	40.2
51	34.2	14.6	54.6



#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

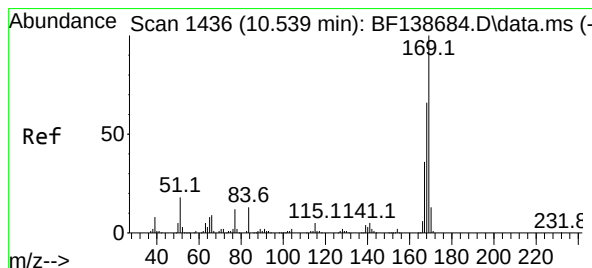
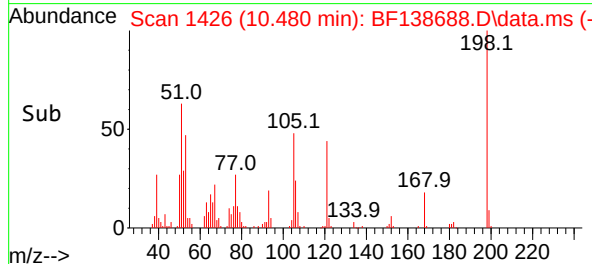
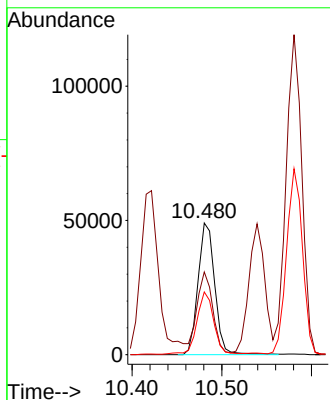
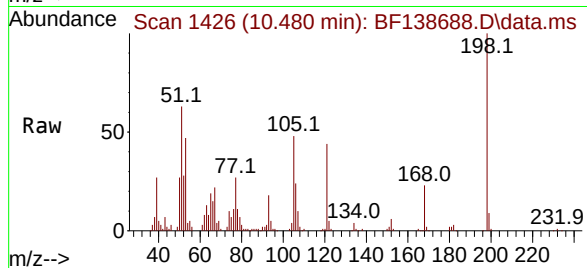




#65
4,6-Dinitro-2-methylphenol
Concen: 41.323 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

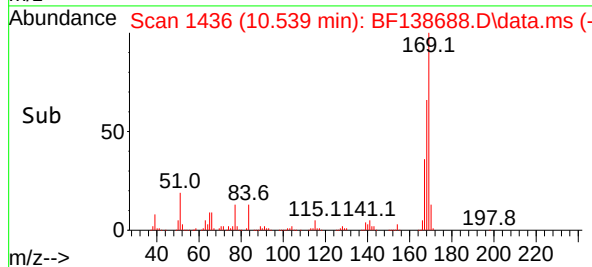
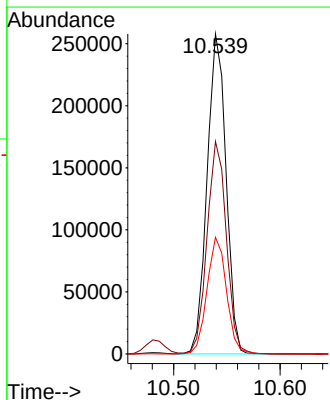
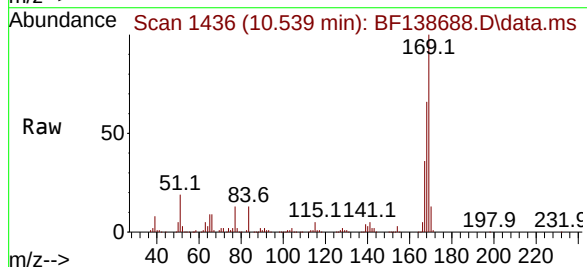
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

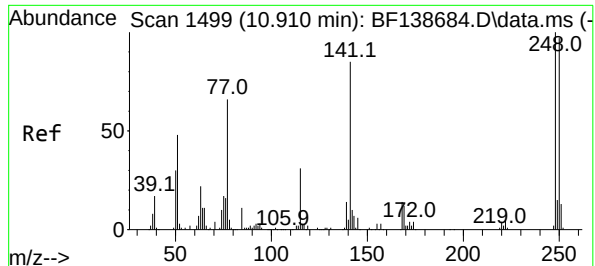
Tgt Ion:198 Resp: 63542
Ion Ratio Lower Upper
198 100
51 62.8 39.9 79.9
105 47.6 26.1 66.1



#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

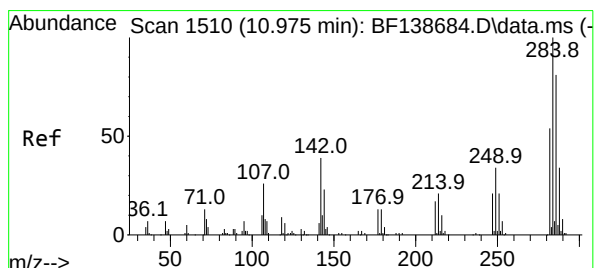
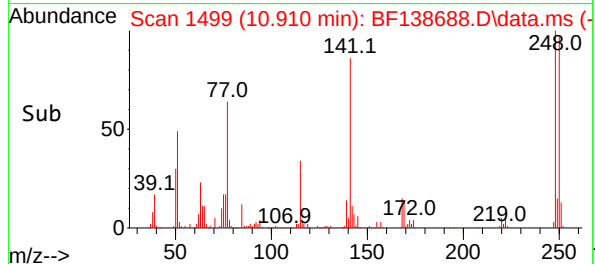
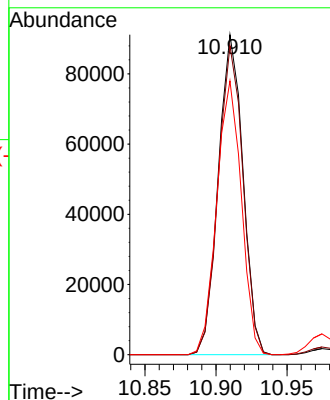
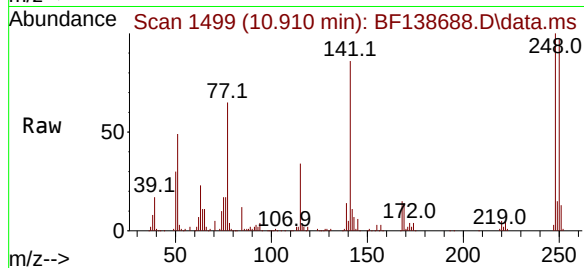




#67
4-Bromophenyl-phenylether
Concen: 40.390 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

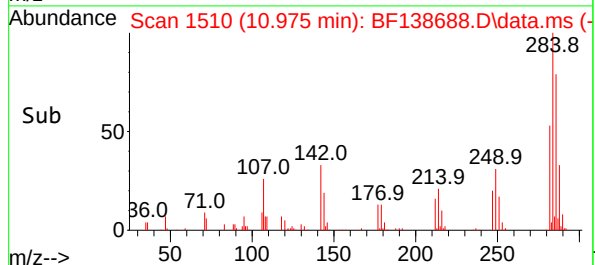
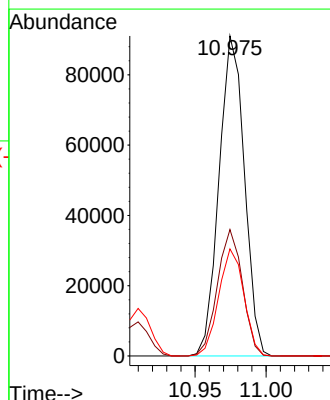
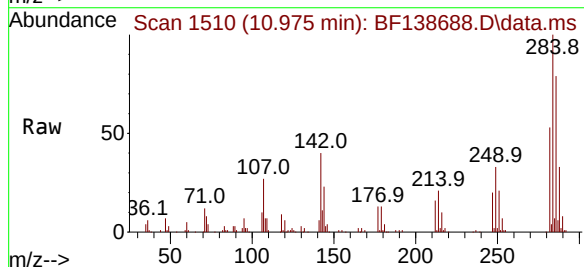
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

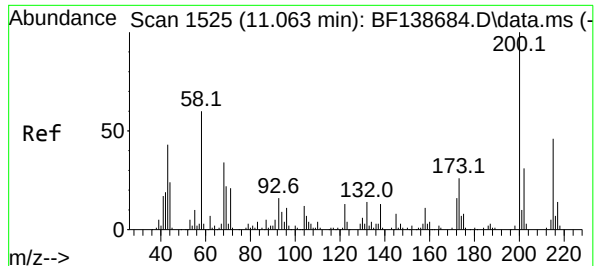
Tgt Ion:248 Resp: 110219
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 85.6 68.0 102.0



#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

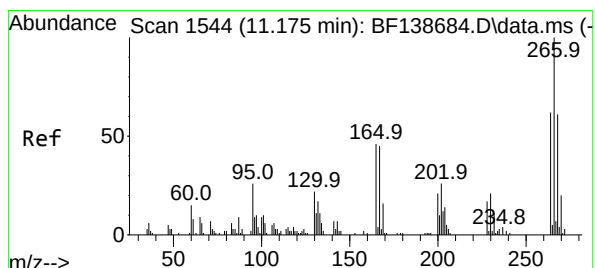
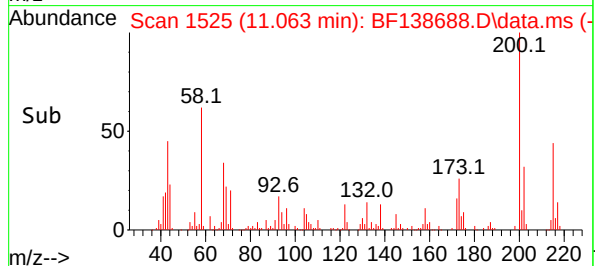
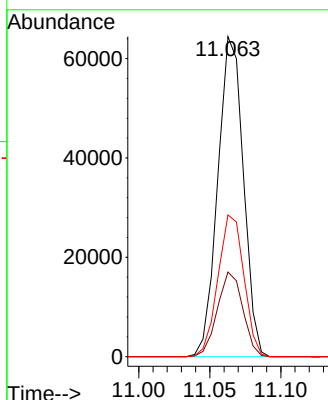
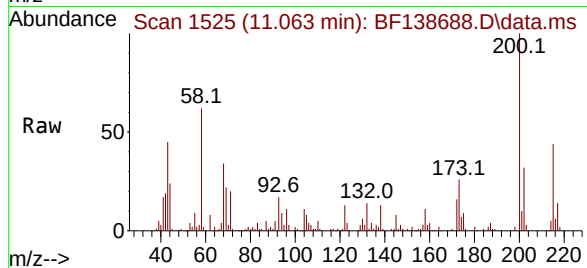
Tgt Ion:200 Resp: 80604

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

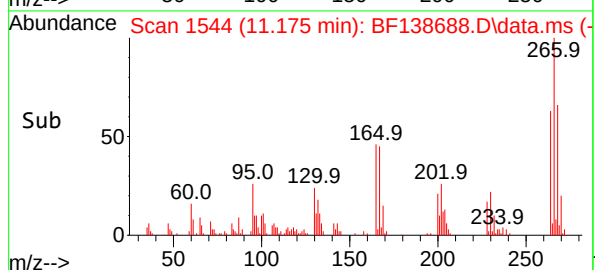
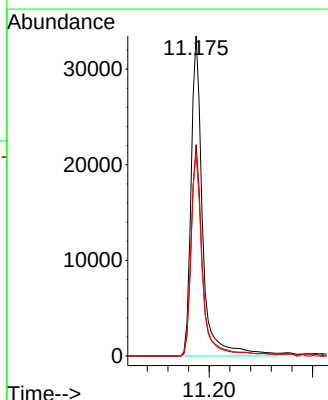
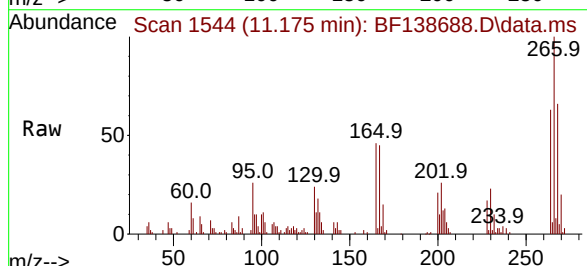
Tgt Ion:266 Resp: 51801

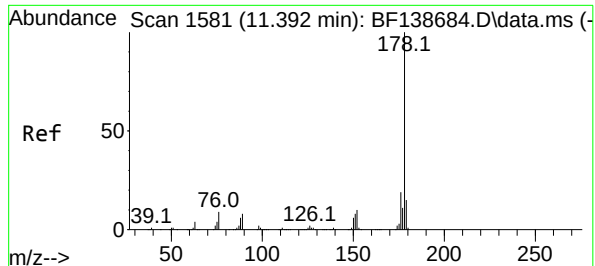
Ion Ratio Lower Upper

266 100

268 66.0 49.2 73.8

264 63.4 49.8 74.6

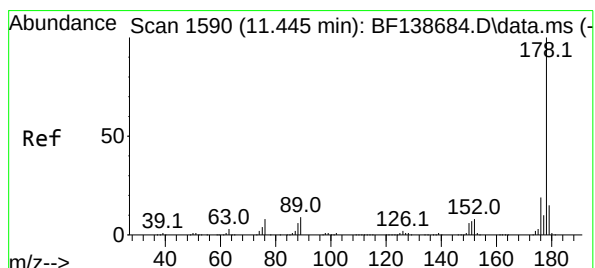
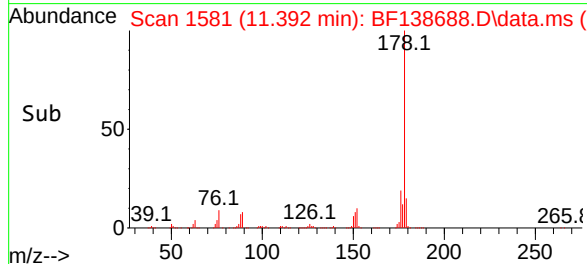
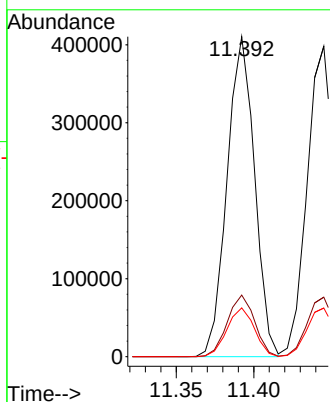
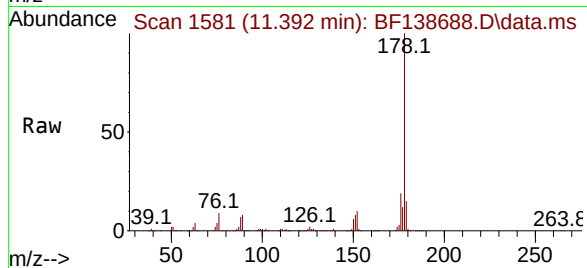




#71
Phenanthrene
Concen: 39.036 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

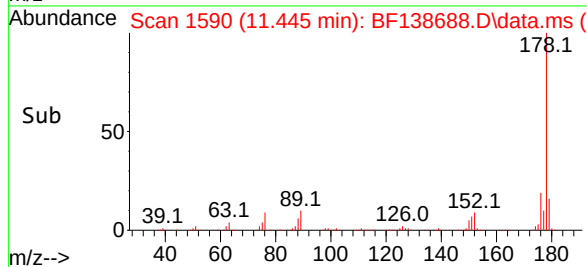
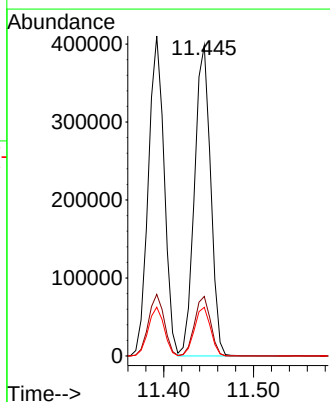
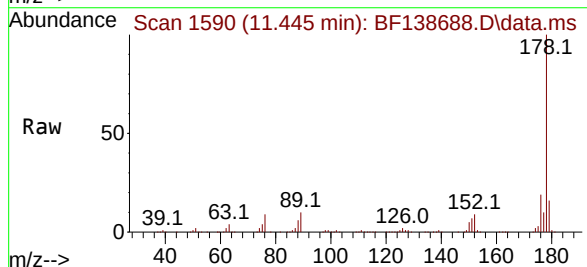
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

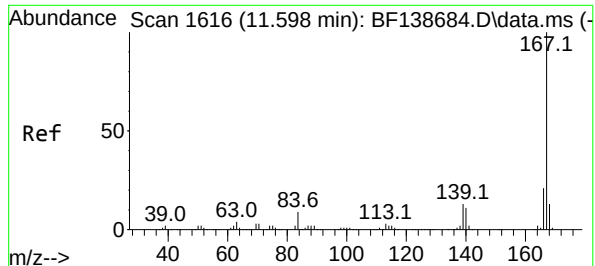
Tgt Ion:178 Resp: 506626
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.2



#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

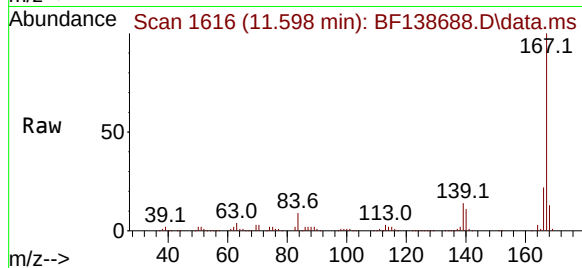
Tgt Ion:178 Resp: 496297
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.7 12.4 18.6



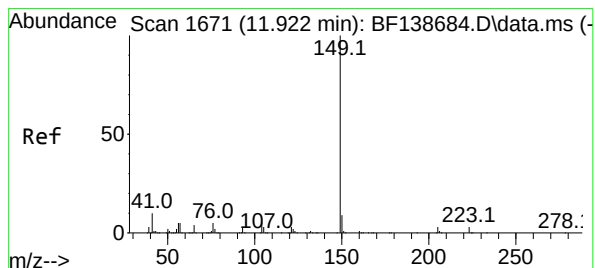
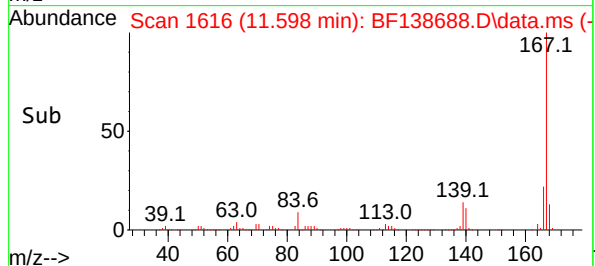
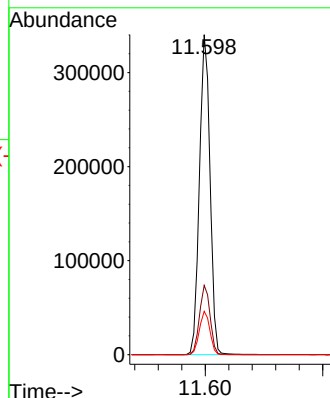


#73
Carbazole
Concen: 38.546 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

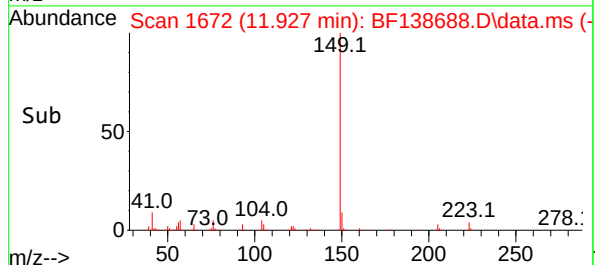
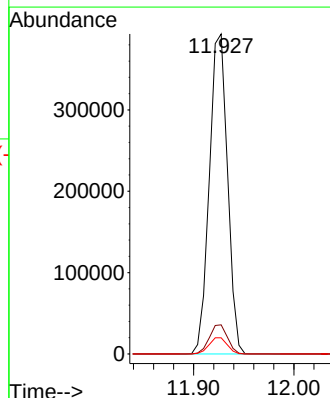
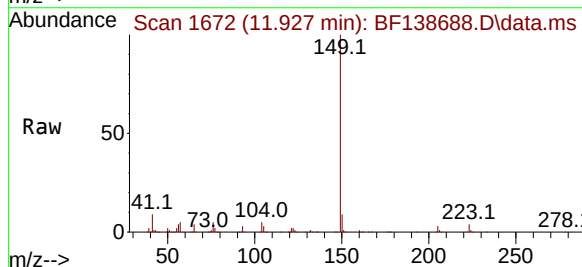


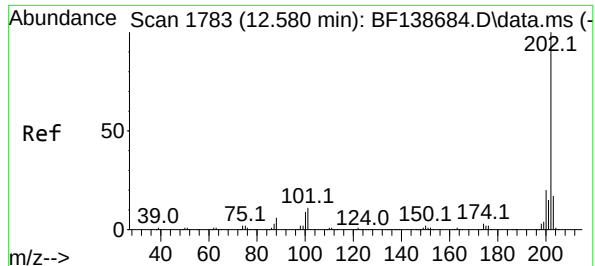
Tgt Ion:167 Resp: 425187
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 13.6 10.6 16.0



#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

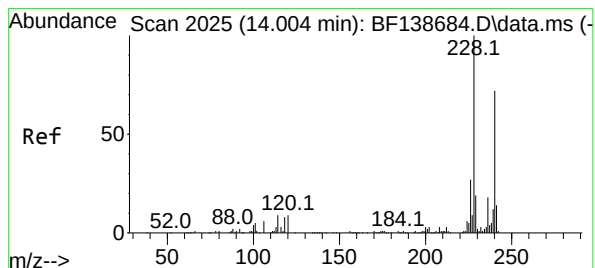
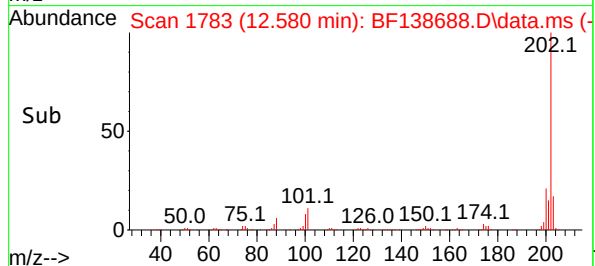
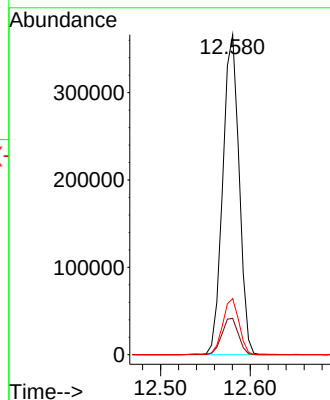
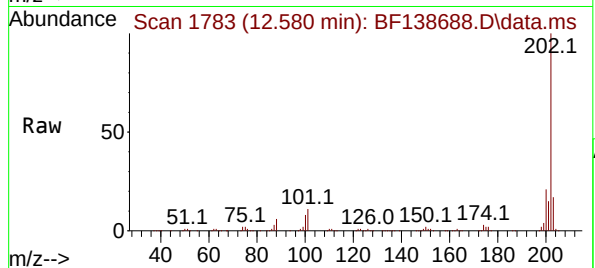




#75
Fluoranthene
Concen: 38.250 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

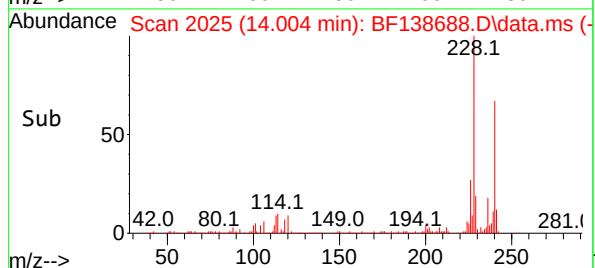
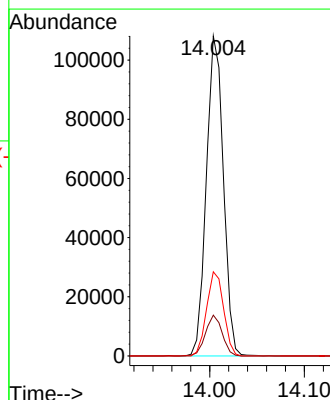
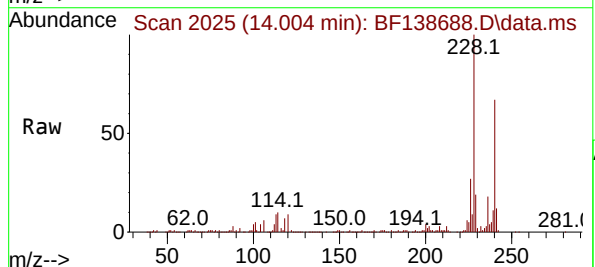
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

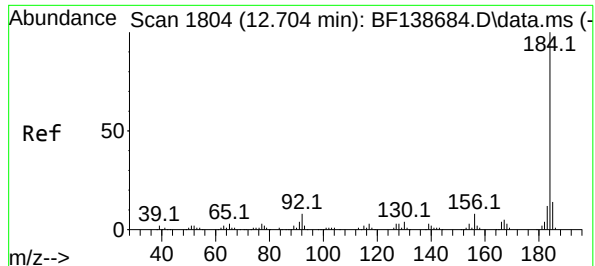
Tgt Ion:202 Resp: 463445
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.2
203 17.5 0.0 37.3



#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:240 Resp: 134464
Ion Ratio Lower Upper
240 100
120 12.7 10.2 15.4
236 26.3 19.8 29.8

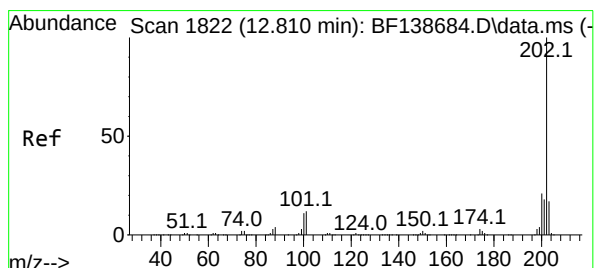
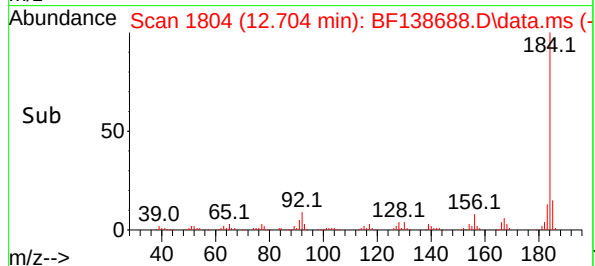
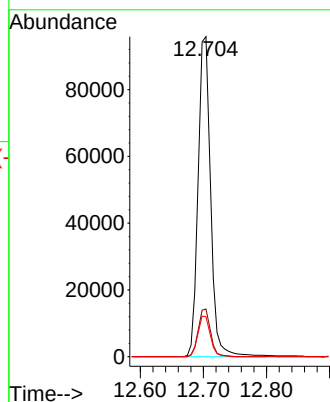
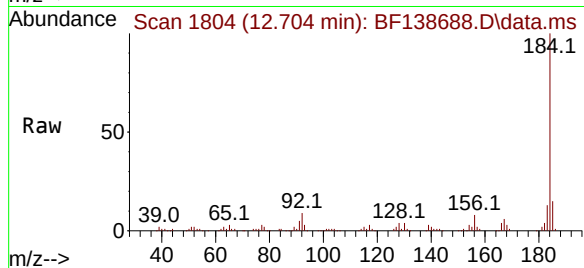




#77
Benzidine
Concen: 41.166 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

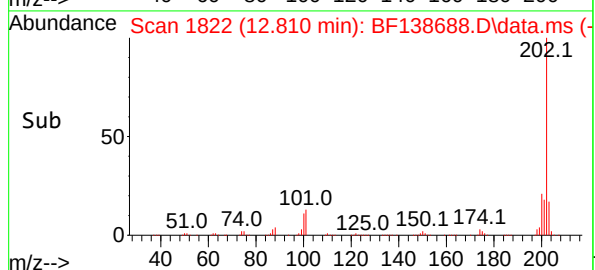
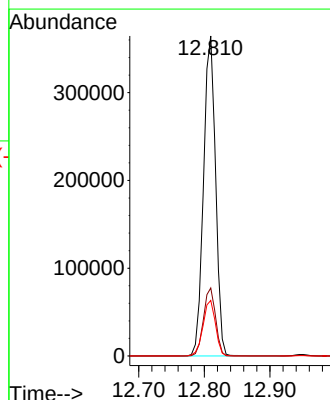
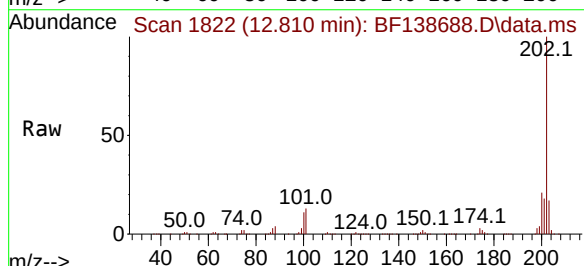
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

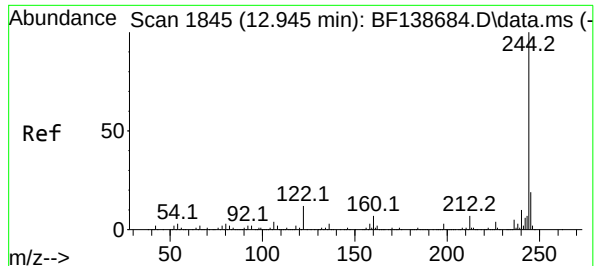
Tgt Ion:184 Resp: 132396
Ion Ratio Lower Upper
184 100
185 14.9 11.1 16.7
183 12.5 9.6 14.4



#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

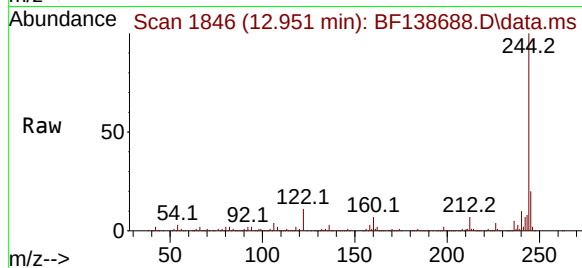
Acq: 30 Jul 2024 17:55

Instrument :

BNA_F

ClientSampleId :

ICVBF073024



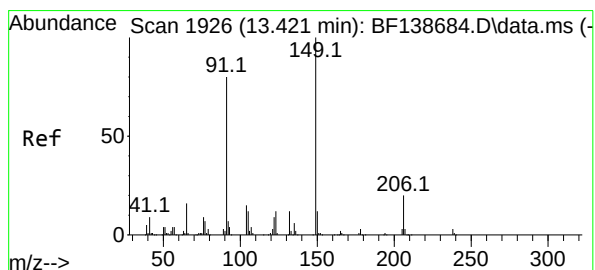
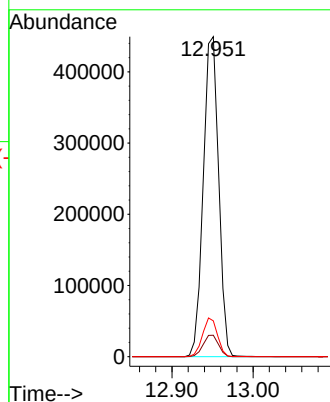
Tgt Ion:244 Resp: 589459

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

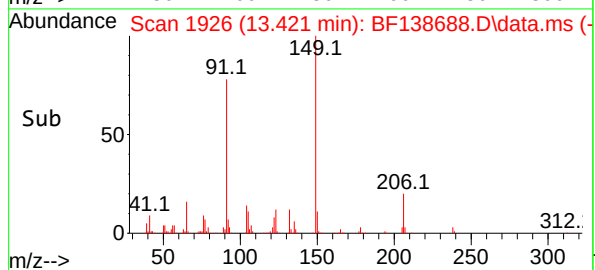
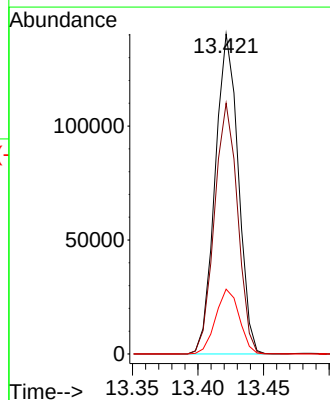
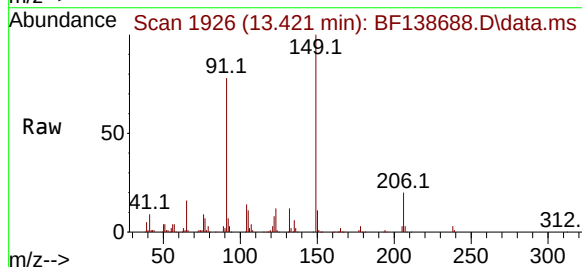
Tgt Ion:149 Resp: 171996

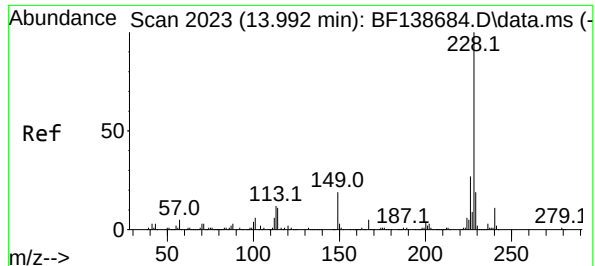
Ion Ratio Lower Upper

149 100

91 78.3 63.7 95.5

206 20.3 16.2 24.2

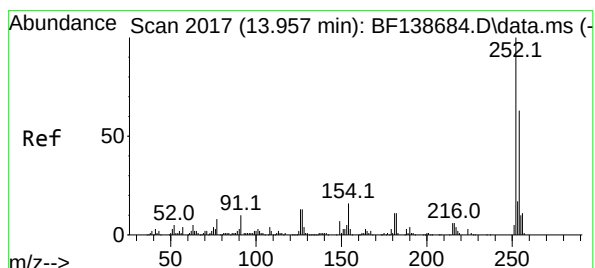
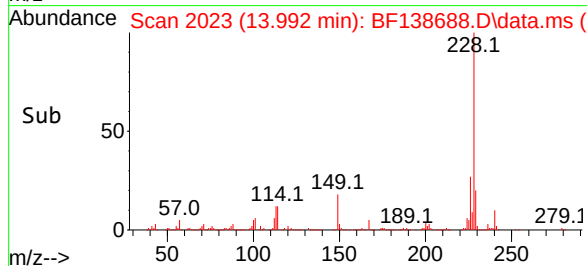
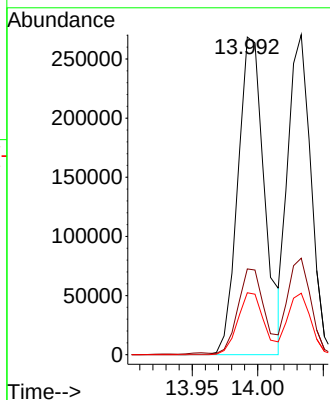
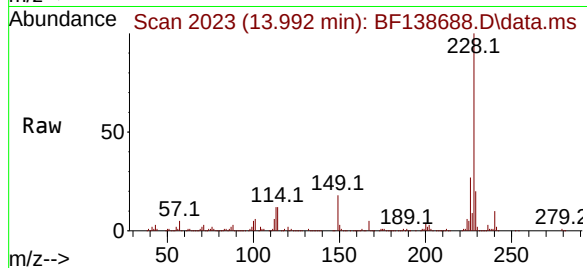




#81
Benzo(a)anthracene
Concen: 40.994 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

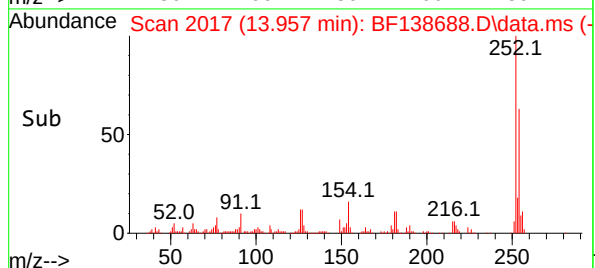
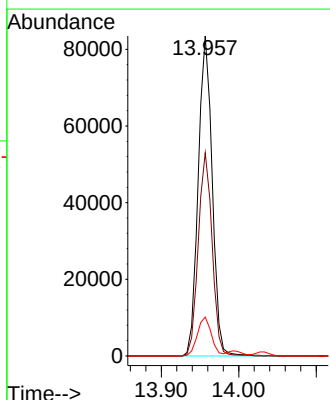
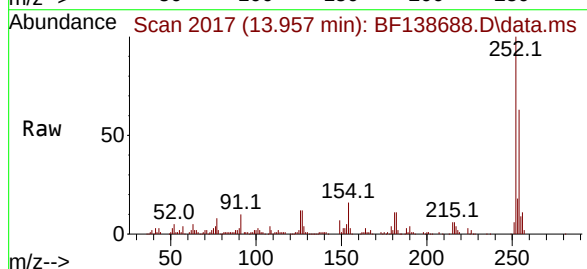
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

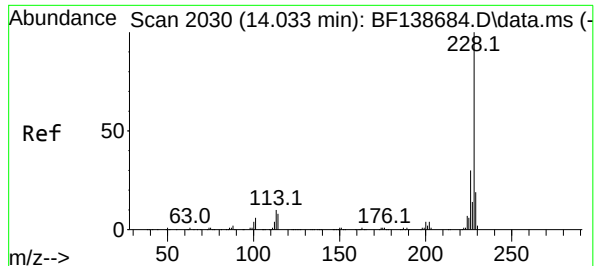
Tgt Ion:228 Resp: 379585
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.5 15.4 23.0



#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

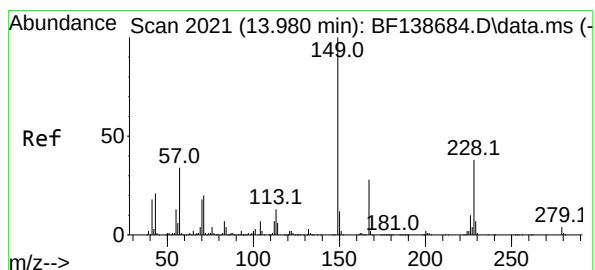
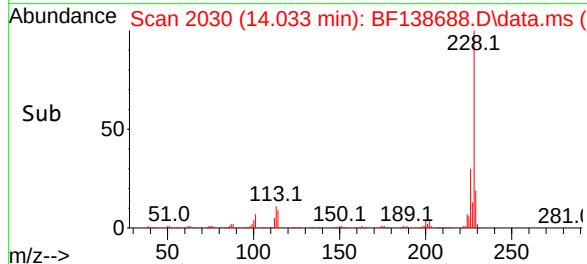
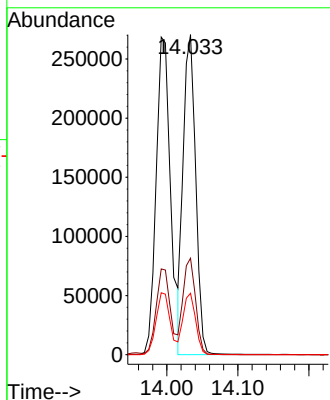
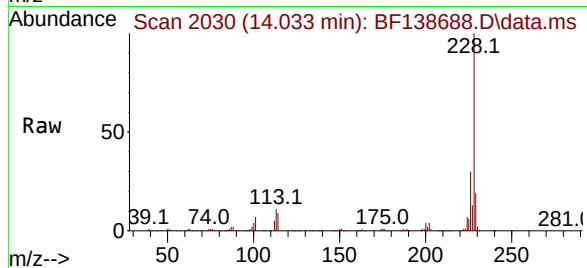




#83
Chrysene
Concen: 39.308 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

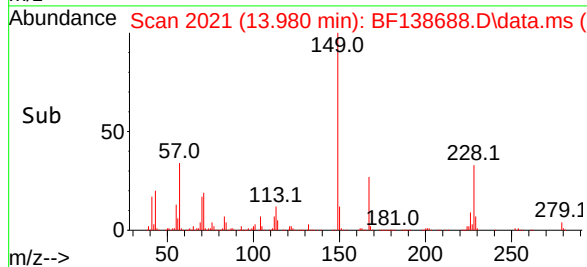
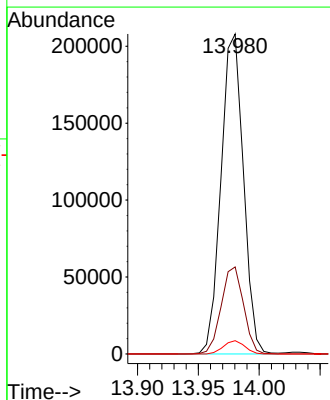
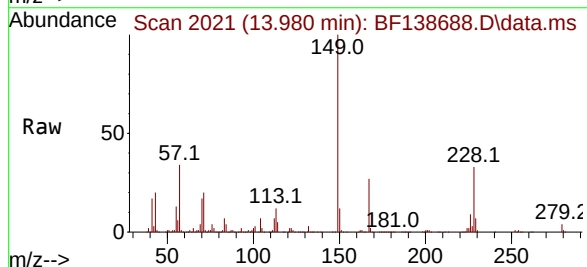
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

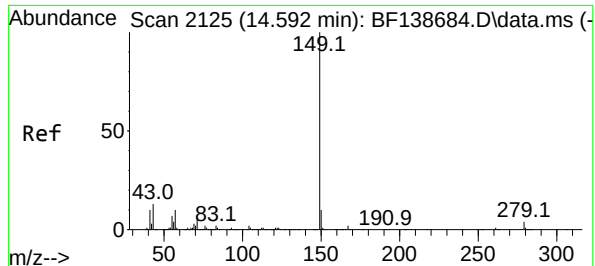
Tgt Ion:228 Resp: 328373
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.2 15.0 22.6



#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

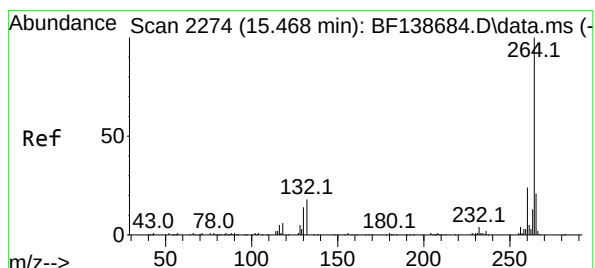
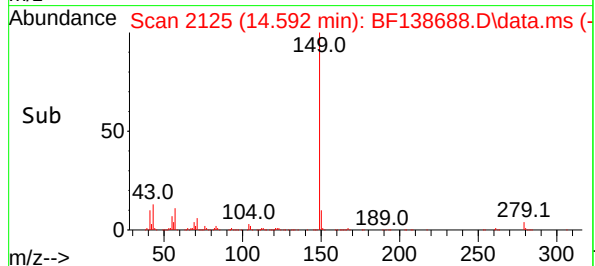
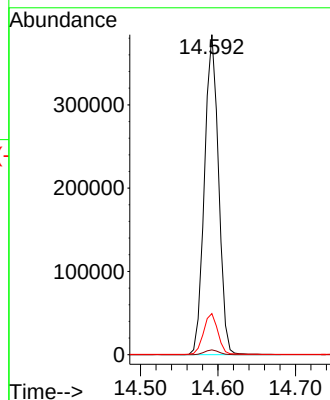
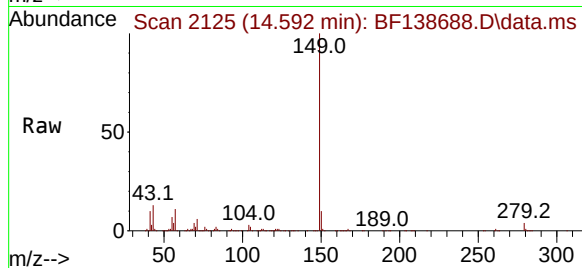




#85
Di-n-octyl phthalate
Concen: 44.183 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

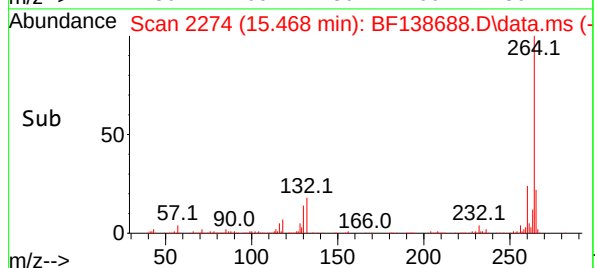
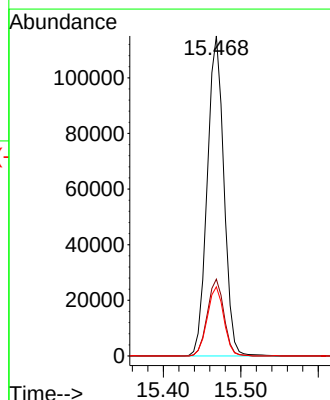
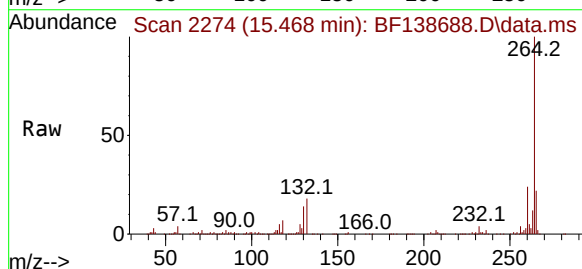
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

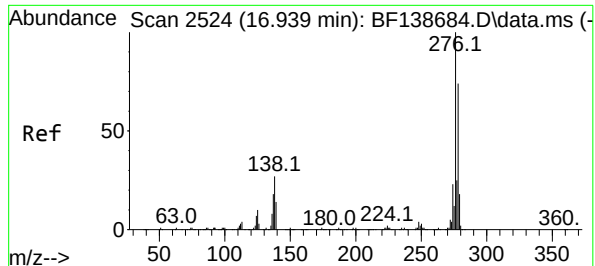
Tgt Ion:149 Resp: 485296
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 13.0 10.4 15.6



#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

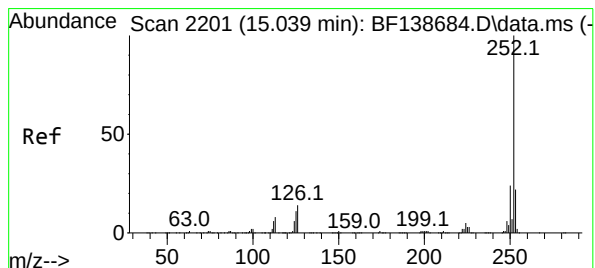
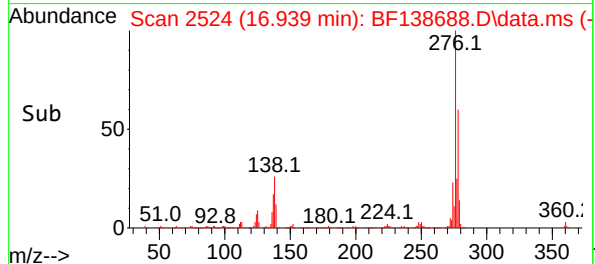
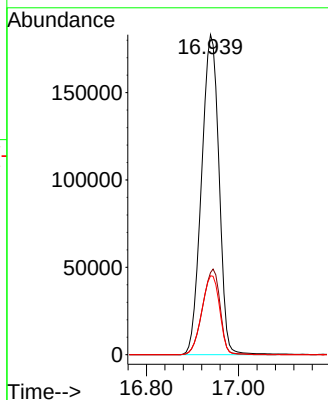
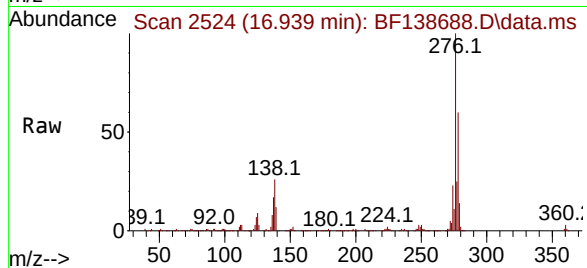




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.463 ng
RT: 16.939 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

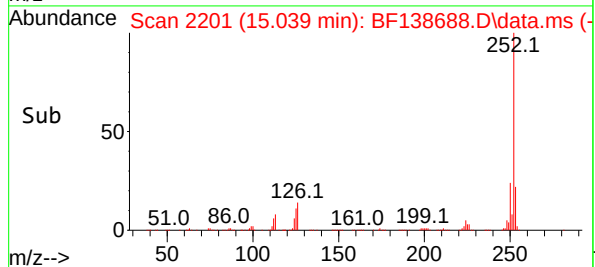
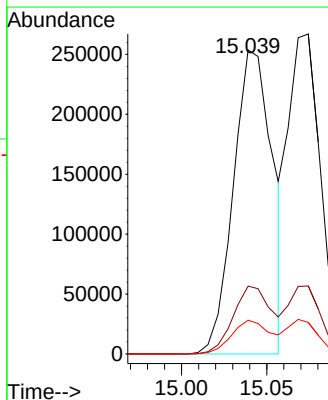
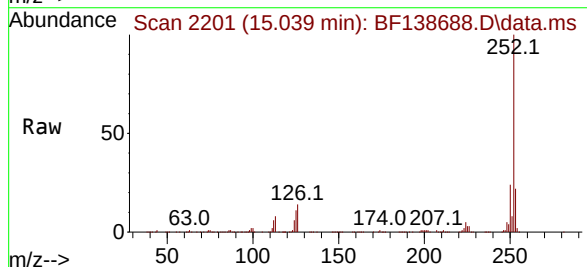
Instrument :
BNA_F
ClientSampleId :
ICVBF073024

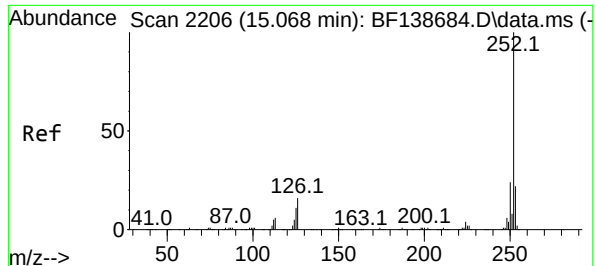
Tgt Ion	Resp	Lower	Upper
276	100		
138	26.8	21.8	32.8
277	25.2	20.6	30.8



#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	Resp	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

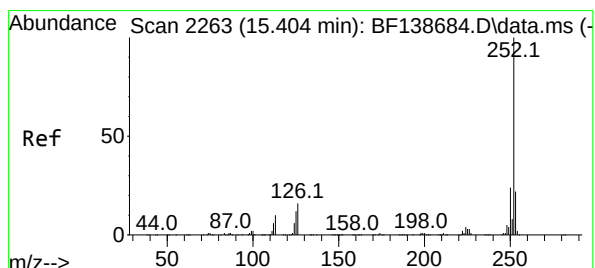
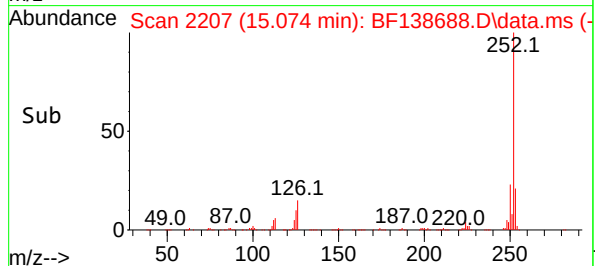
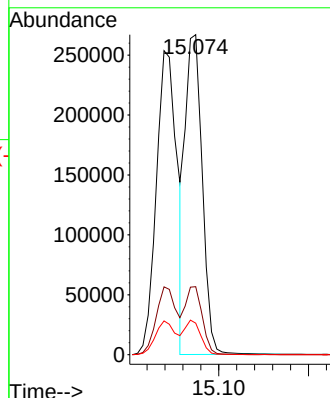
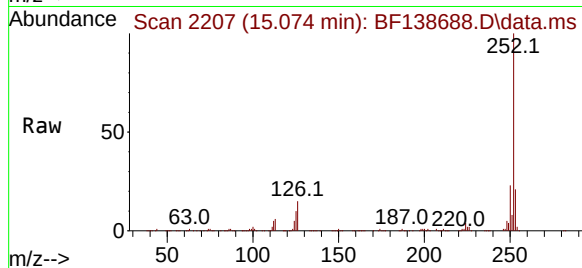
Tgt Ion:252 Resp: 352910

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

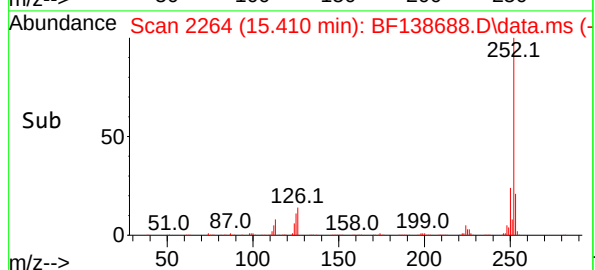
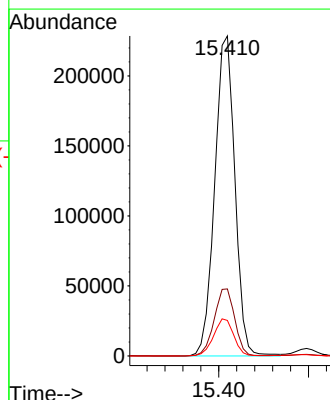
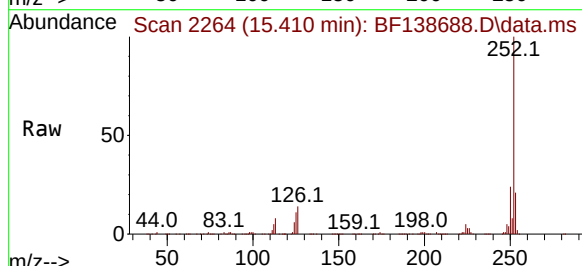
Tgt Ion:252 Resp: 356148

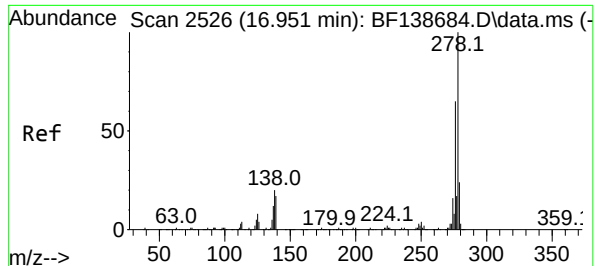
Ion Ratio Lower Upper

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

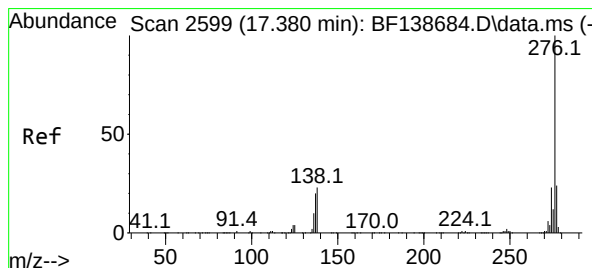
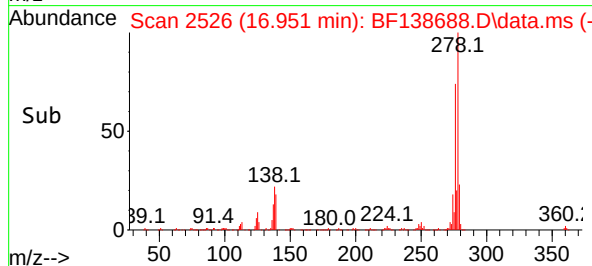
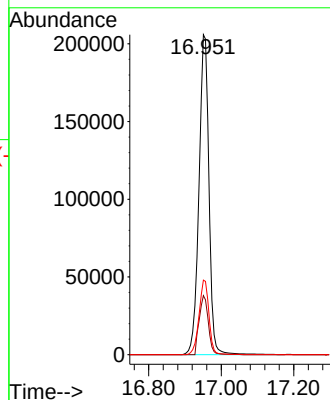
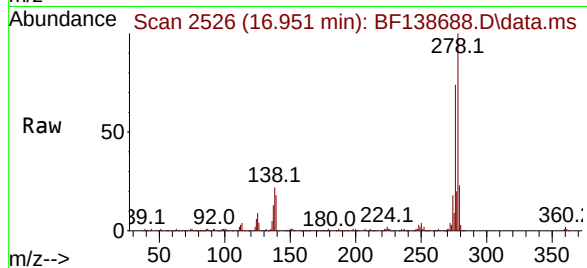
Tgt Ion:278 Resp: 393430

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

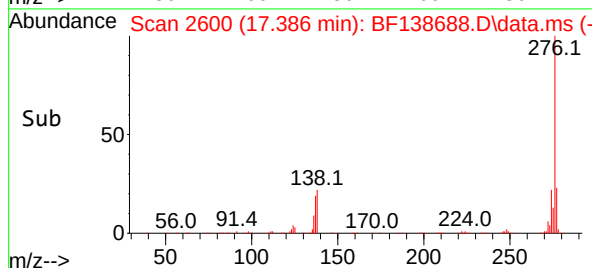
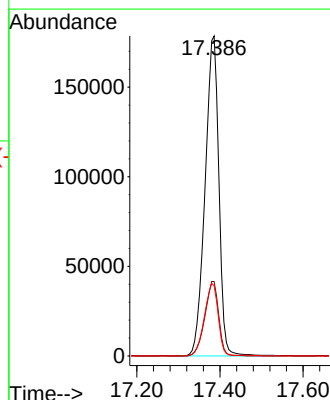
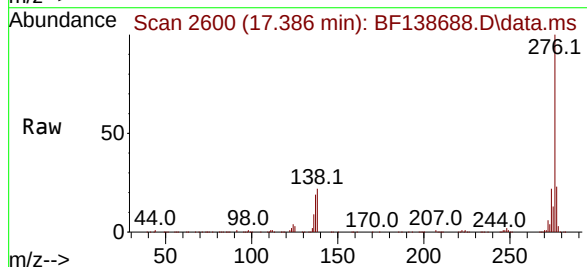
Tgt Ion:276 Resp: 412115

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)

(#) = 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
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 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
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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)

(#) = 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.: P3440 SAS No.: P3440 SDG No.: P3440

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	
Acetophenone	0.490	0.511		4.3	
3+4-Methylphenols	1.444	1.468		1.7	
Nitrobenzene-d5	0.409	0.418		2.2	
Nitrobenzene	0.416	0.412		-1.0	
2,4-Dichlorophenol	0.275	0.284		3.3	20.0
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	
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	
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	
1,4-Dioxane	0.567	0.514		-9.3	20.0



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.: P3440 SAS No.: P3440 SDG No.: P3440
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-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

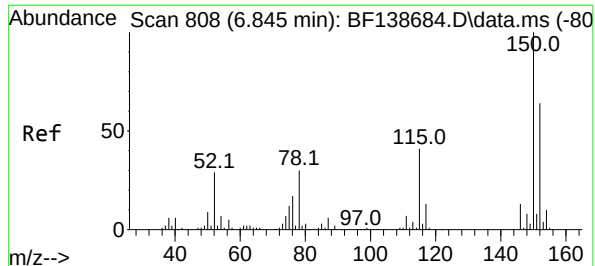
Quant Time: Aug 07 11:26:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

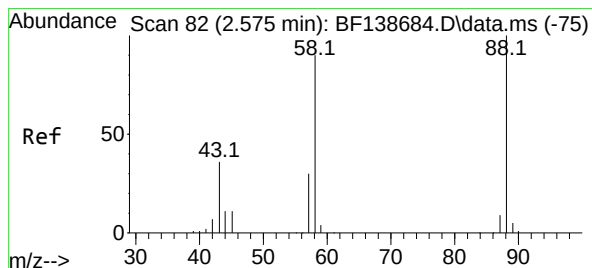
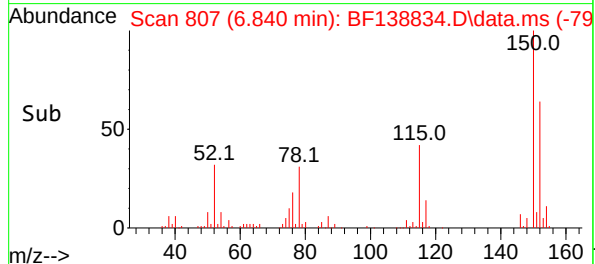
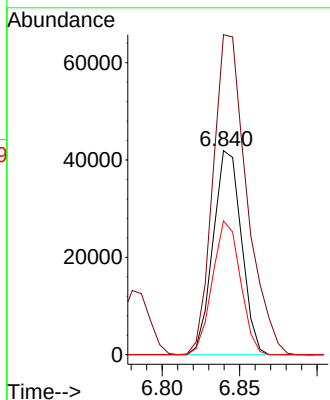
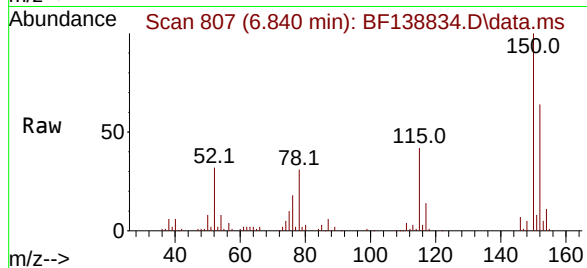
[illegible]



#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

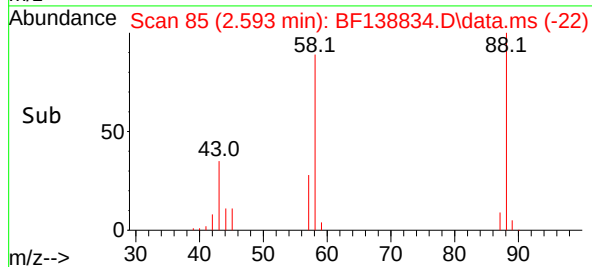
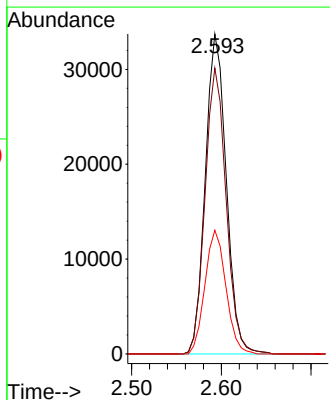
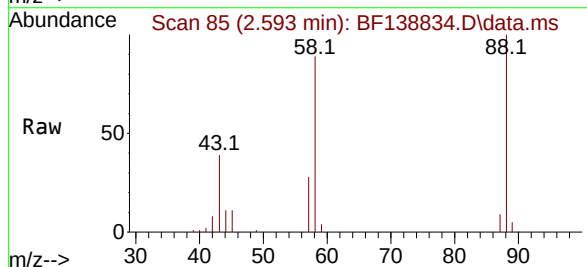
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

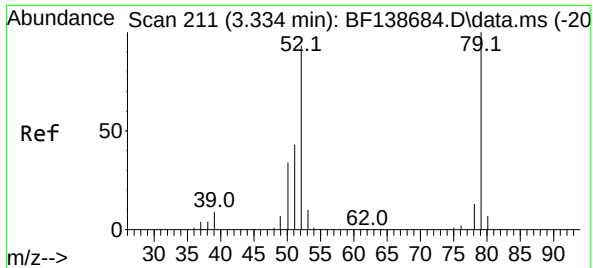
Tgt Ion:152 Resp: 53283
Ion Ratio Lower Upper
152 100
150 156.9 126.0 189.0
115 65.5 51.7 77.5



#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

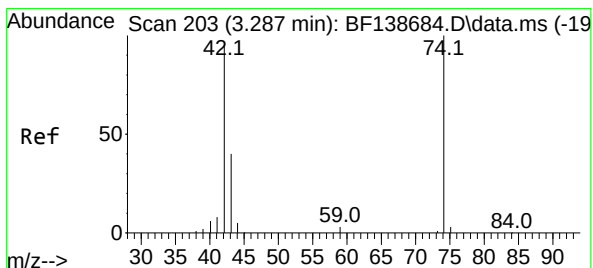
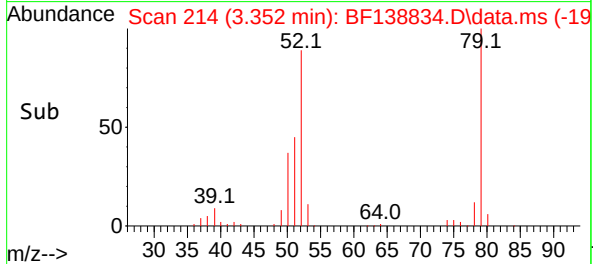
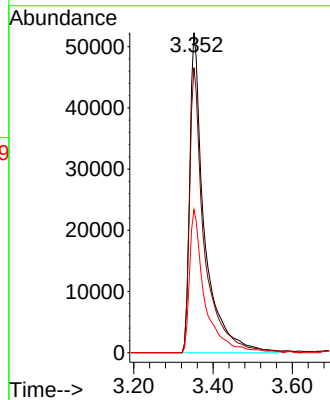
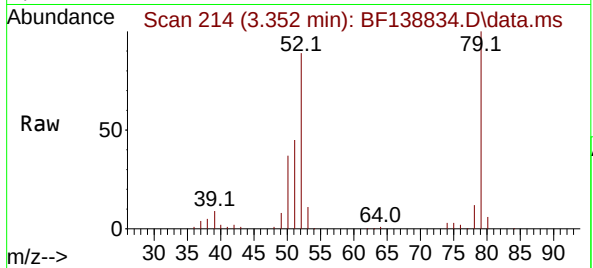




#3
Pyridine
Concen: 36.599 ng
RT: 3.352 min Scan# 211
Delta R.T. 0.018 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

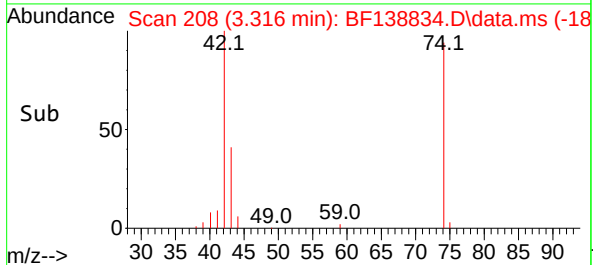
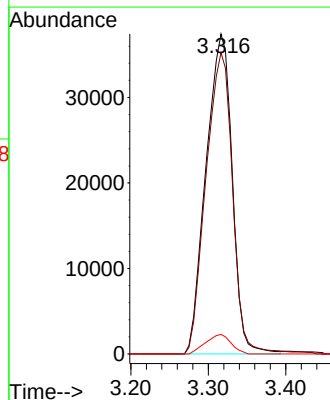
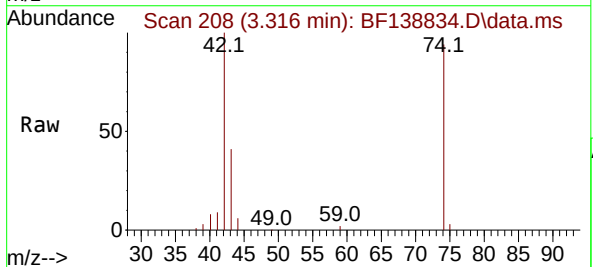
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

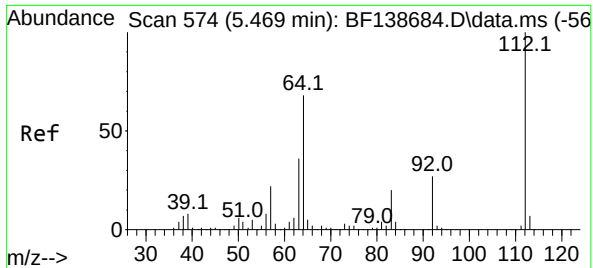
Tgt Ion: 79 Resp: 133982
Ion Ratio Lower Upper
79 100
52 89.1 74.7 112.1
51 44.7 34.6 51.8



#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

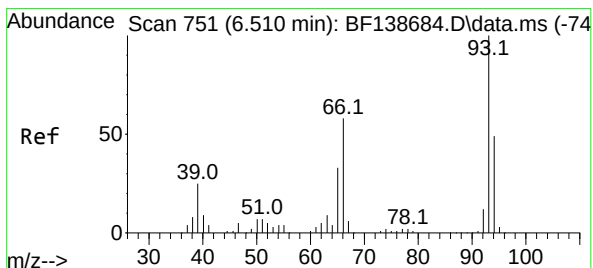
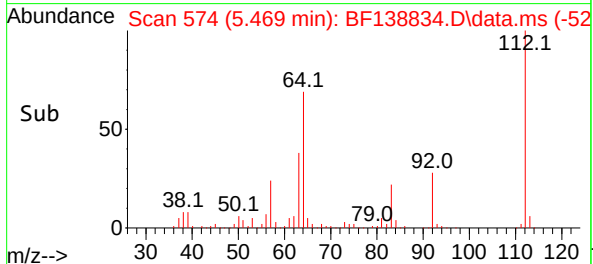
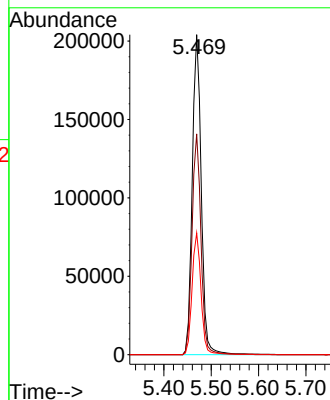
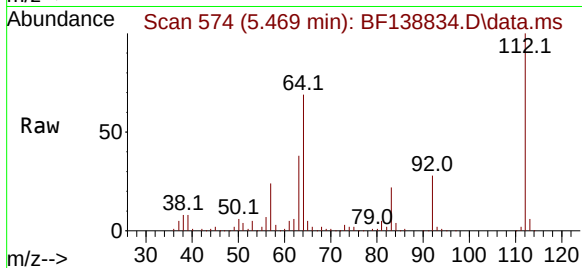




#5
2-Fluorophenol
Concen: 78.567 ng
RT: 5.469 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

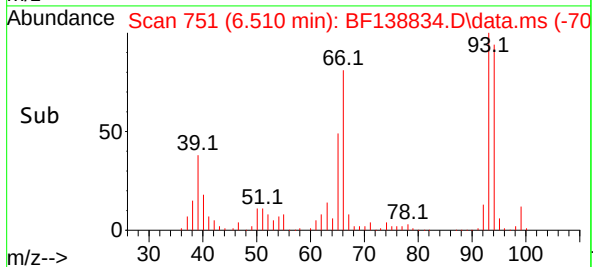
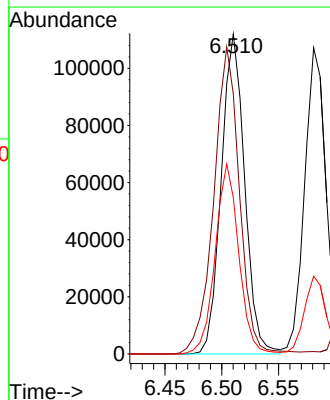
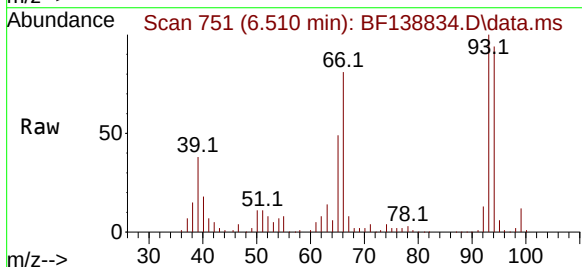
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

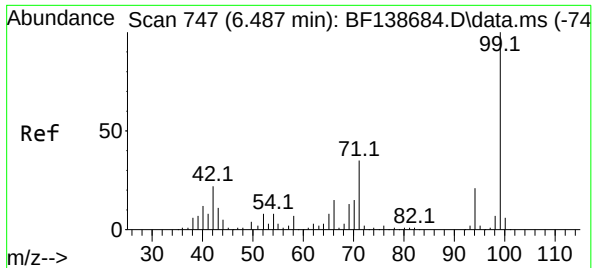
Tgt Ion:112 Resp: 271192
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.4
63 38.1 28.7 43.1



#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#

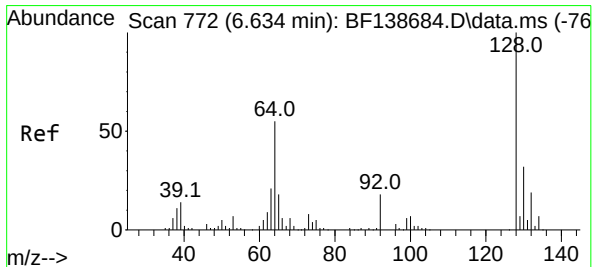
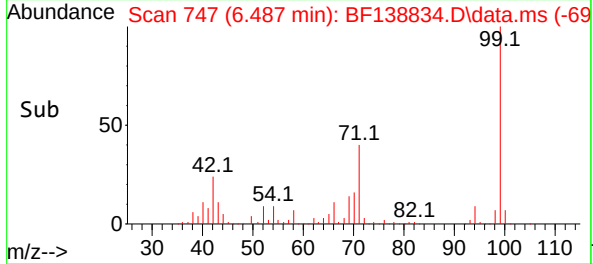
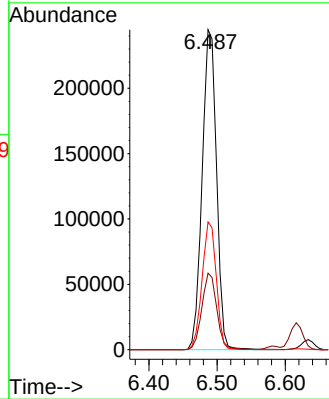
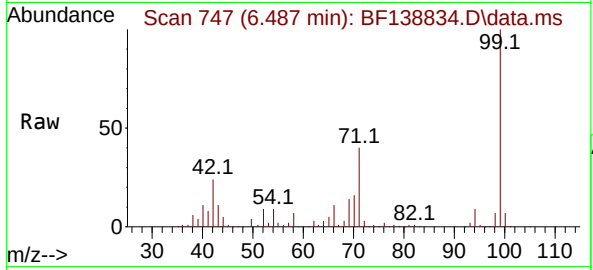




#7
Phenol-d6
Concen: 77.436 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

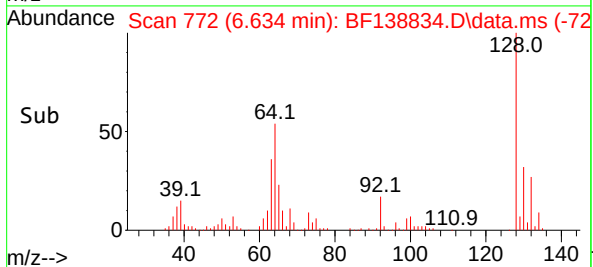
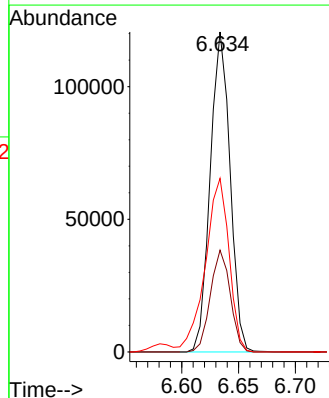
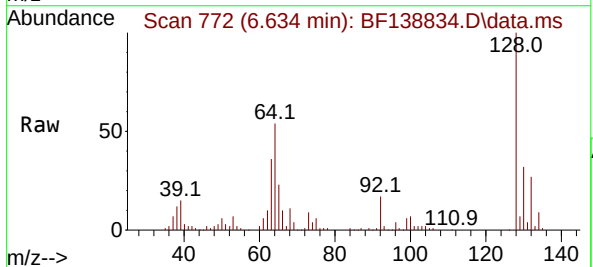
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

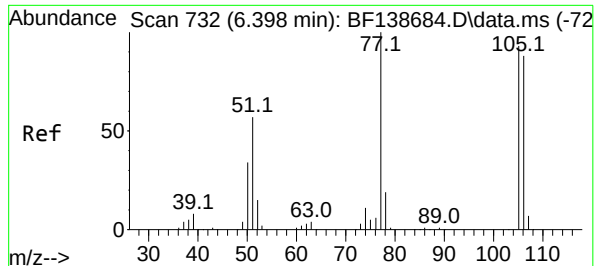
Tgt Ion: 99 Resp: 358863
Ion Ratio Lower Upper
99 100
42 23.9 17.4 26.0
71 39.9 28.1 42.1



#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 :

BNA_F

ClientSampleId :

SSTDCCC040

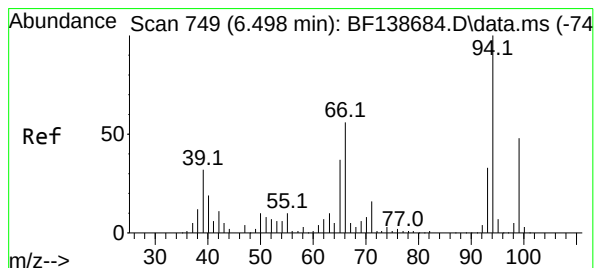
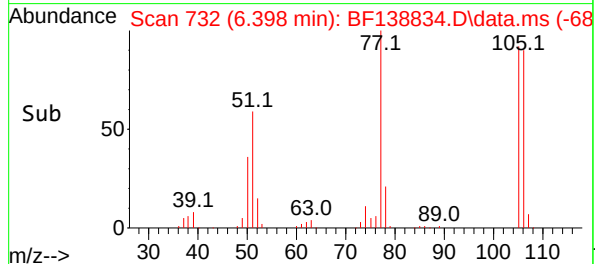
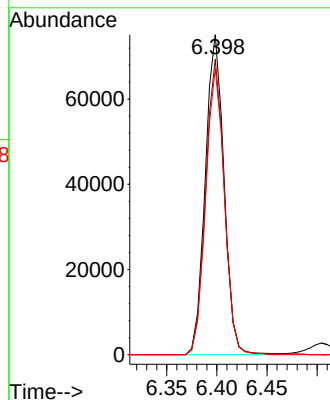
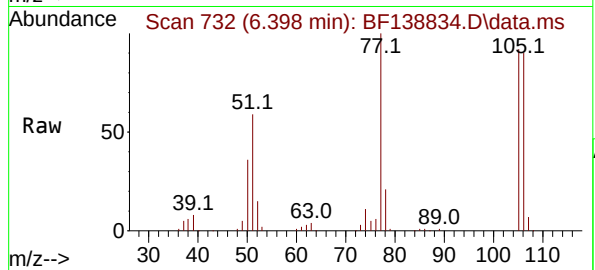
Tgt Ion: 77 Resp: 97780

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

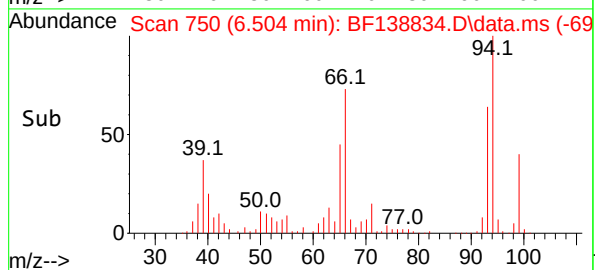
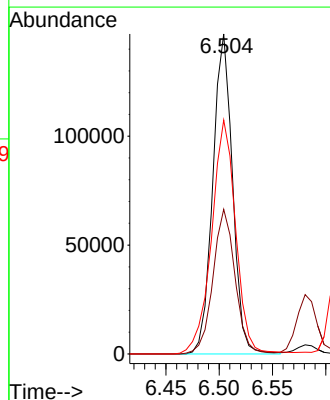
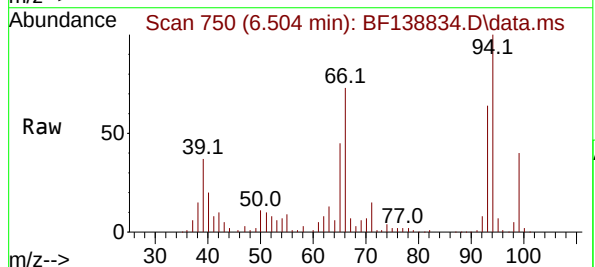
Tgt Ion: 94 Resp: 189069

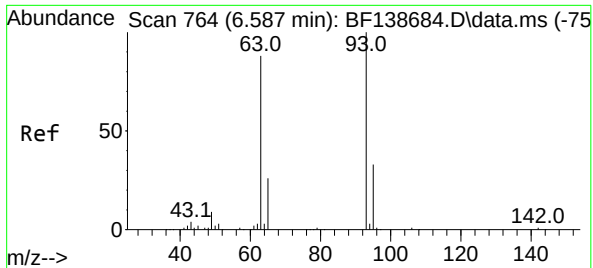
Ion Ratio Lower Upper

94 100

65 45.2 16.9 56.9

66 73.1 36.5 76.5

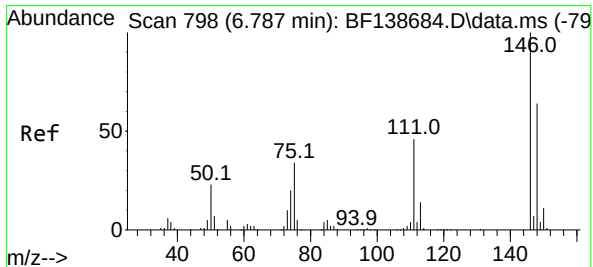
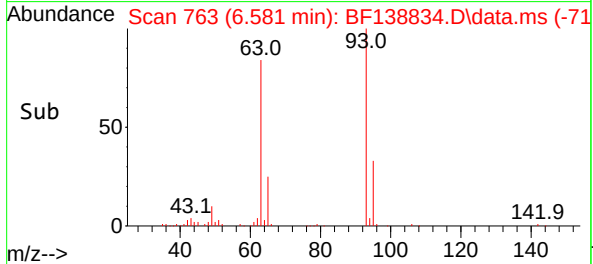
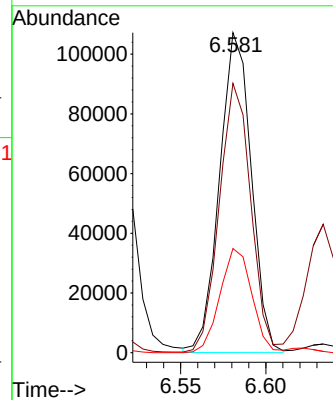
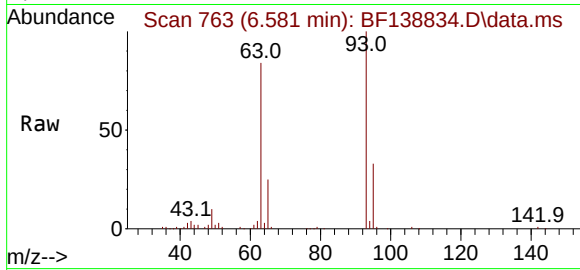




#11
bis(2-Chloroethyl)ether
Concen: 36.880 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

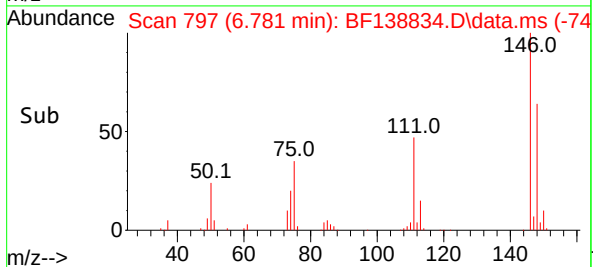
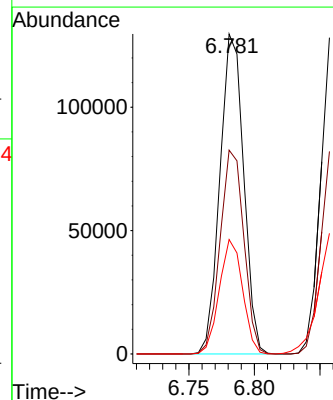
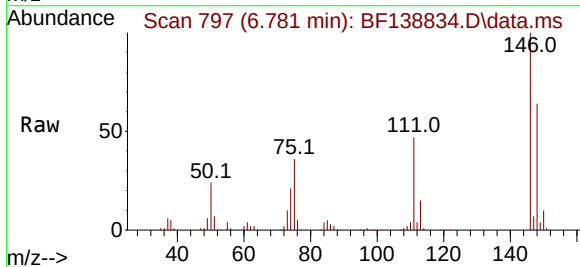
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

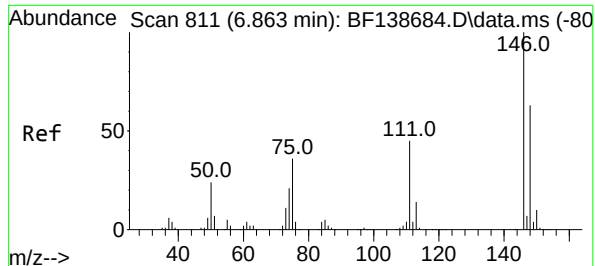
Tgt Ion: 93 Resp: 138480
Ion Ratio Lower Upper
93 100
63 84.2 65.3 105.3
95 32.5 12.4 52.4



#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

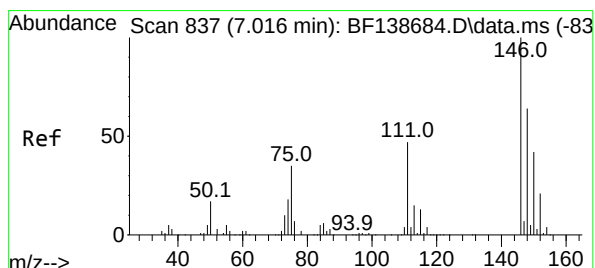
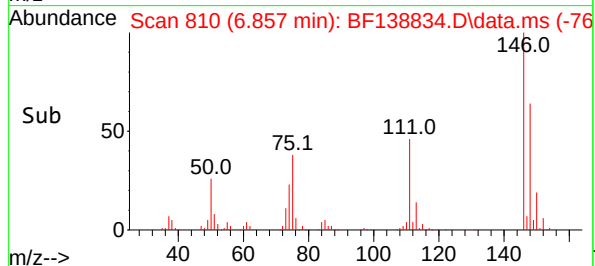
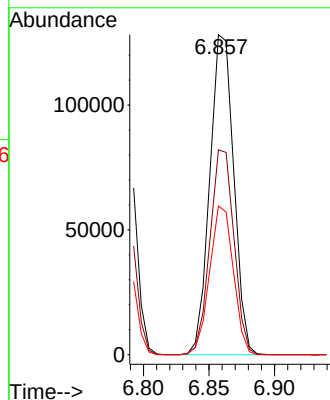
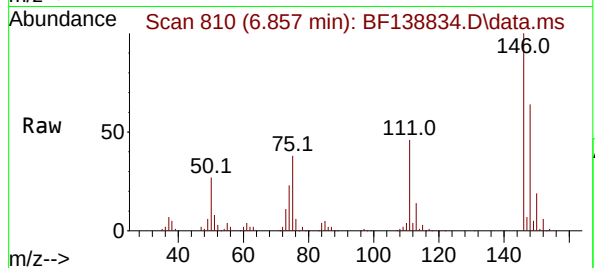
Tgt Ion:146 Resp: 163152

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

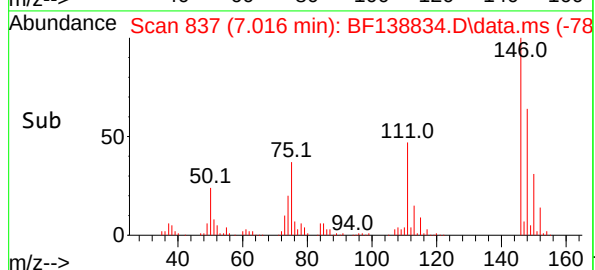
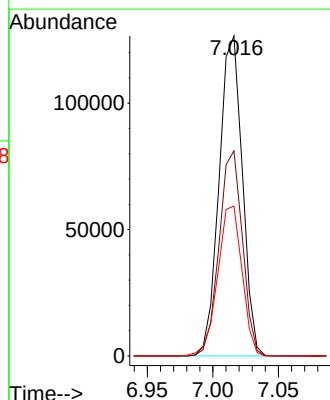
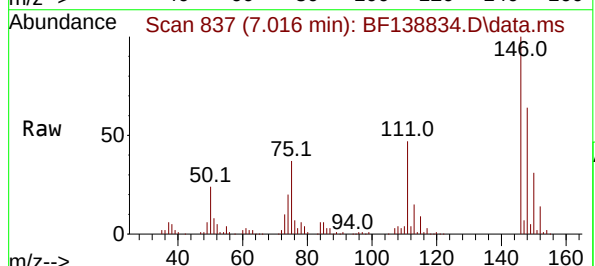
Tgt Ion:146 Resp: 155794

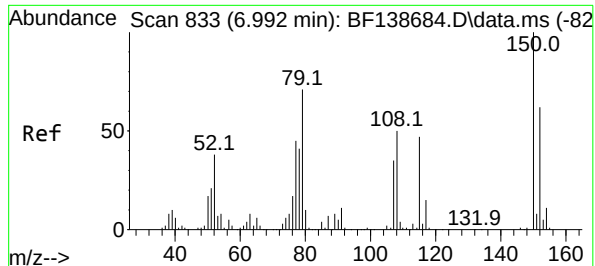
Ion Ratio Lower Upper

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

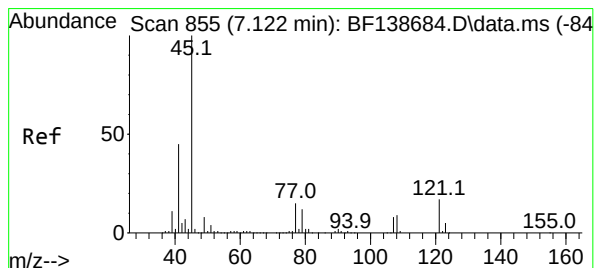
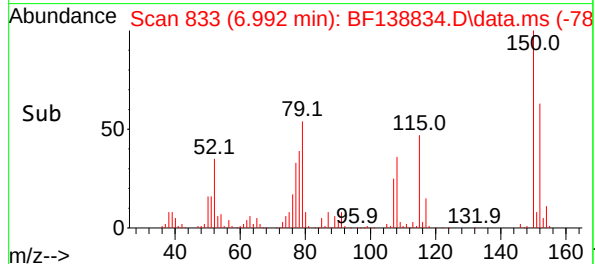
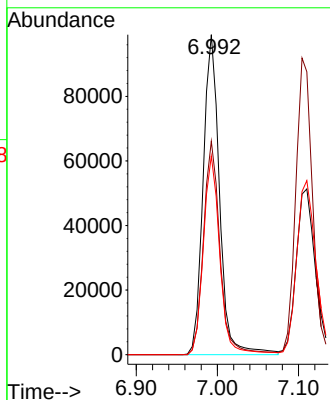
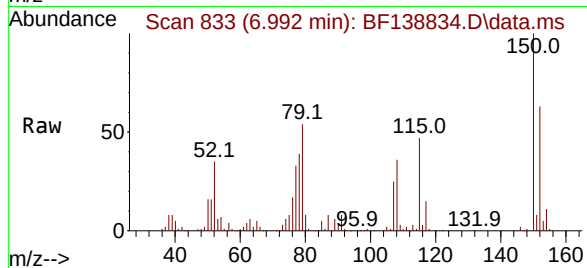
Tgt Ion: 79 Resp: 138988

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

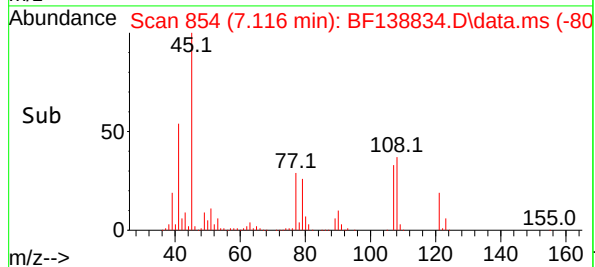
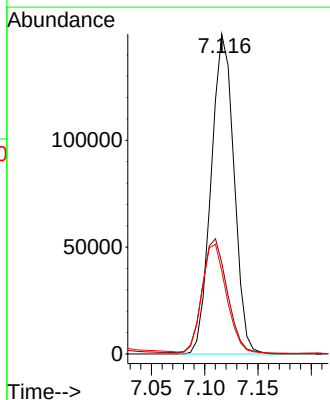
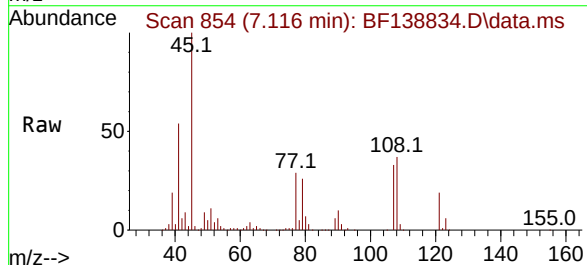
Tgt Ion: 45 Resp: 223108

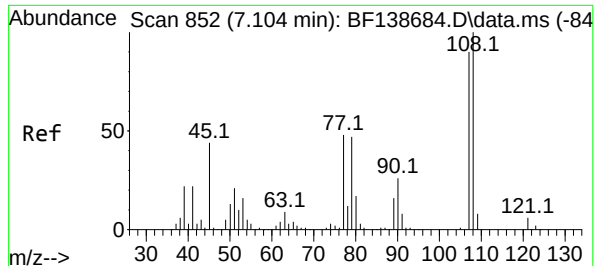
Ion Ratio Lower Upper

45 100

77 28.5 0.0 34.9

79 25.9 0.0 32.2

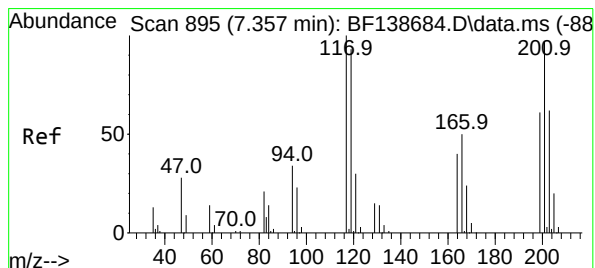
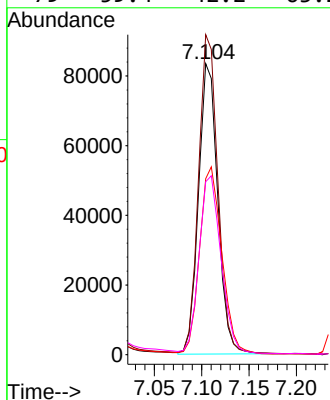
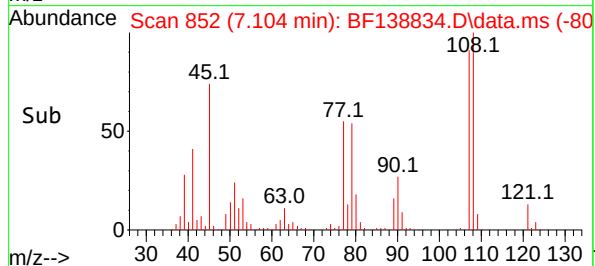
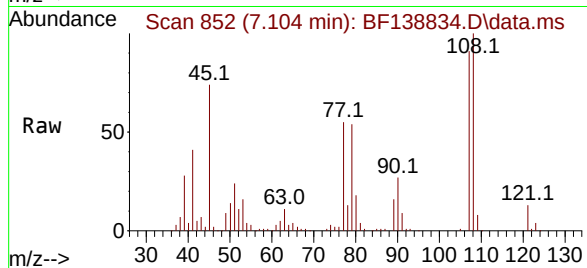




#17
2-Methylphenol
Concen: 39.457 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

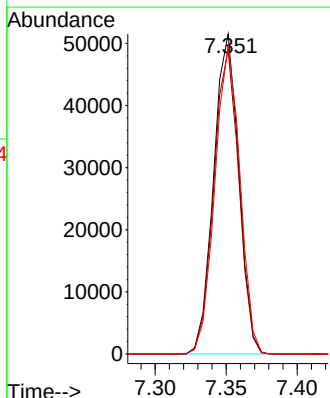
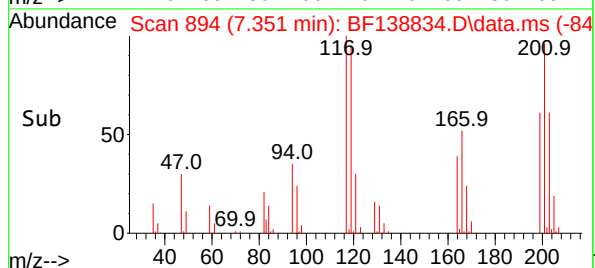
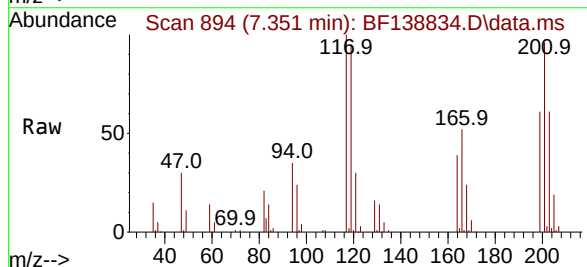
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

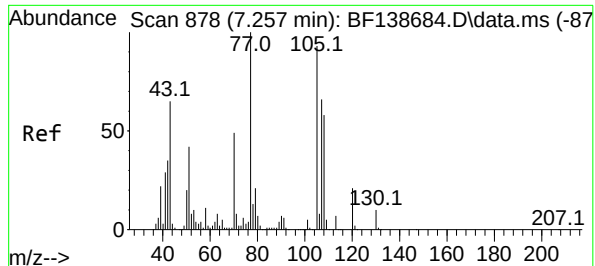
Tgt Ion:107 Resp: 118323
Ion Ratio Lower Upper
107 100
108 109.9 89.2 133.8
77 60.5 43.0 64.4
79 59.4 42.2 63.2



#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

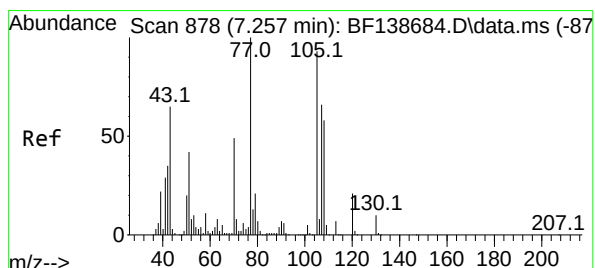
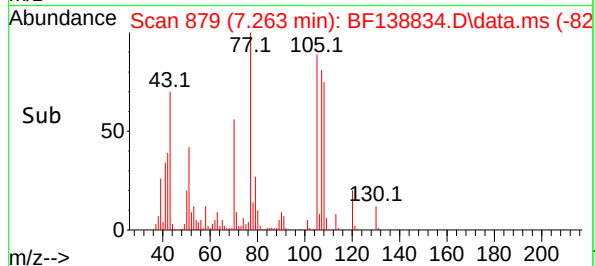
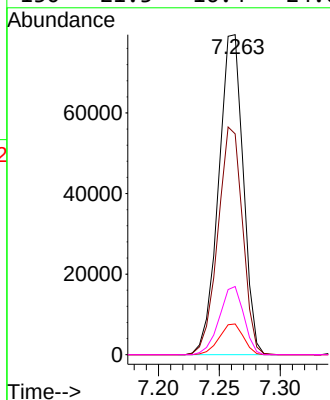
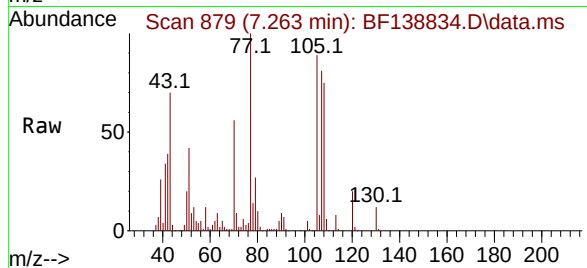
Ion Ratio Lower Upper

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

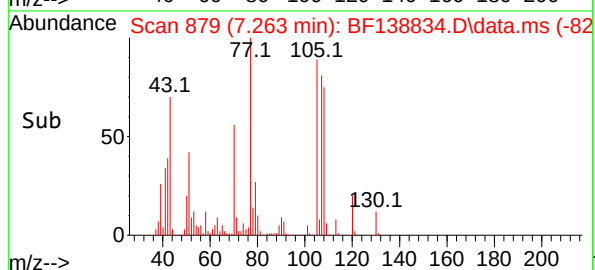
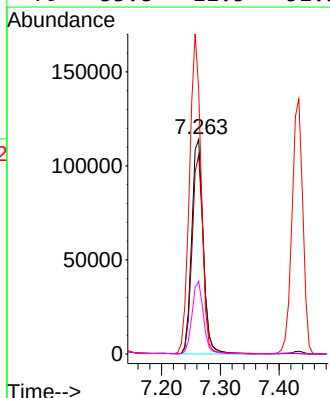
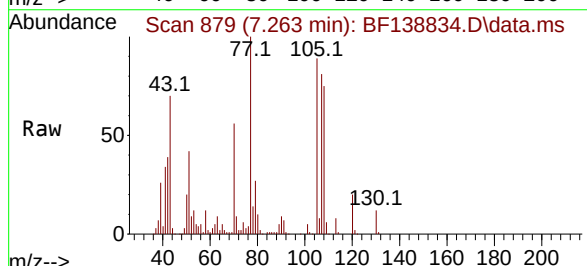
Ion Ratio Lower Upper

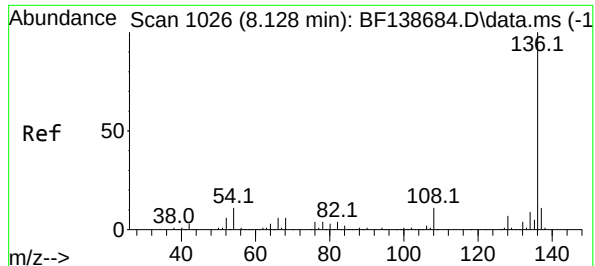
107 100

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

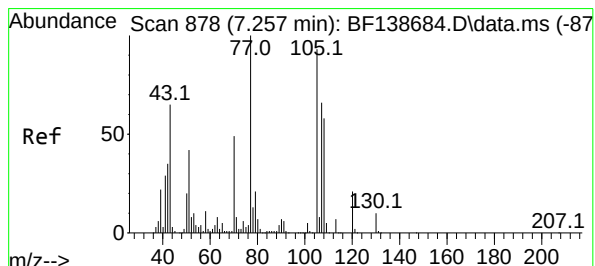
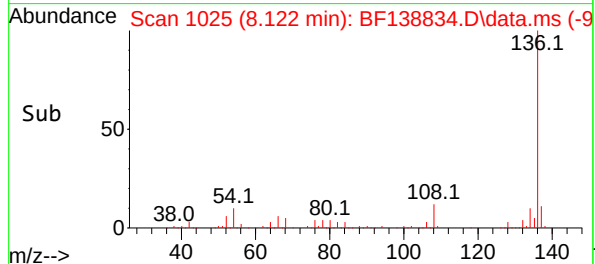
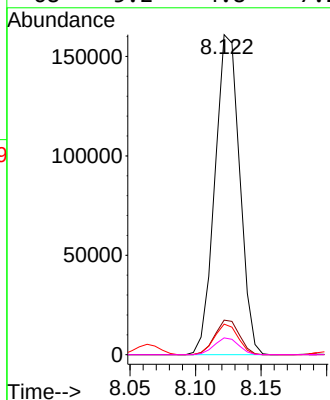
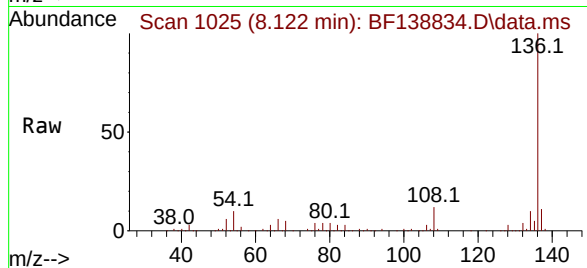
Ion Ratio Lower Upper

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

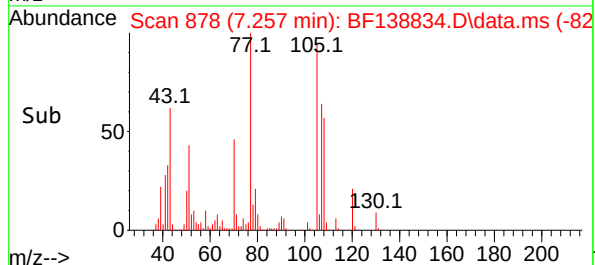
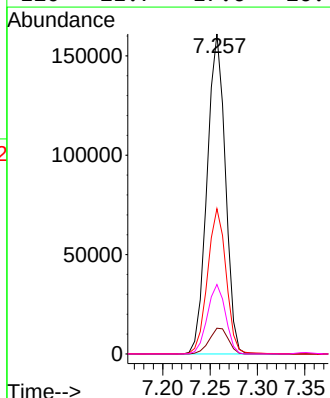
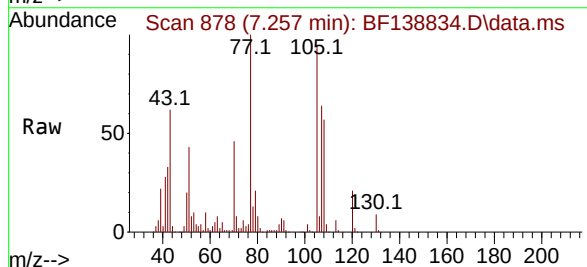
Ion Ratio Lower Upper

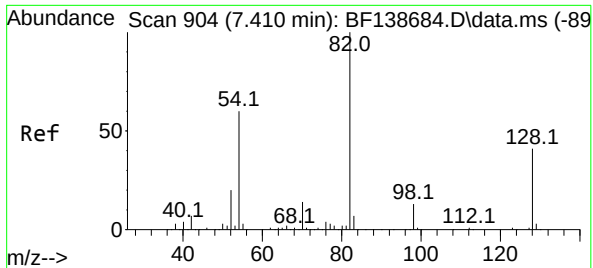
105 100

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

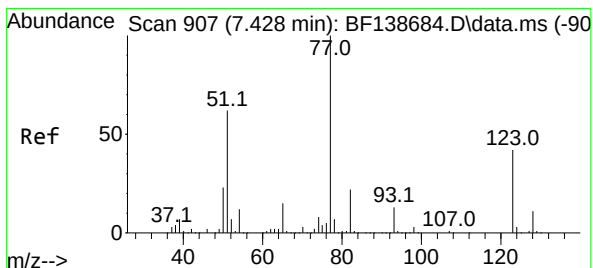
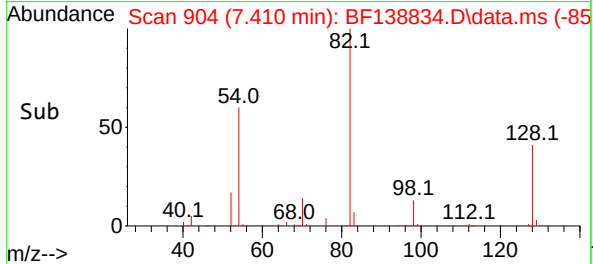
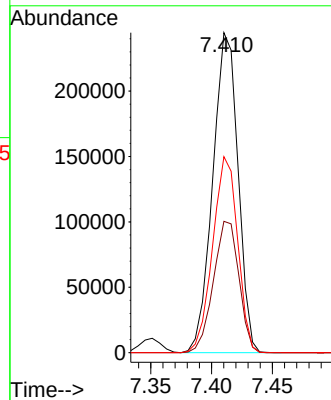
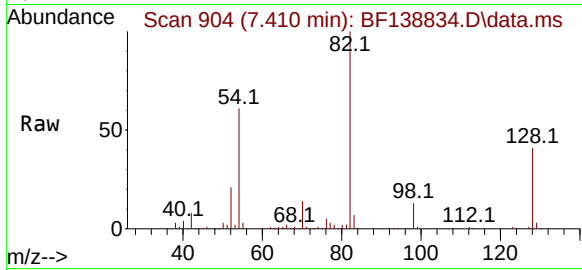
Tgt Ion: 82 Resp: 353320

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

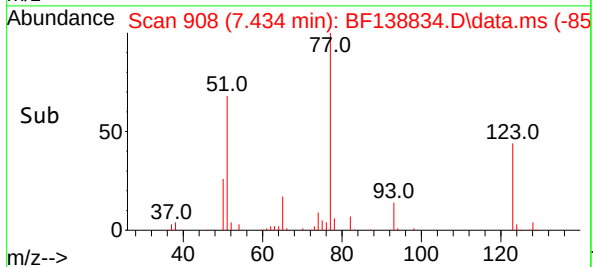
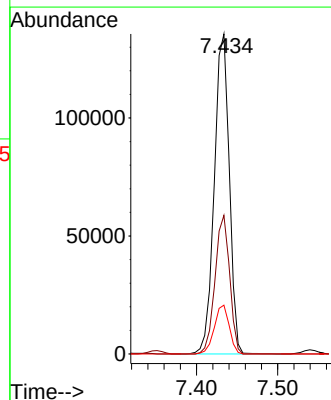
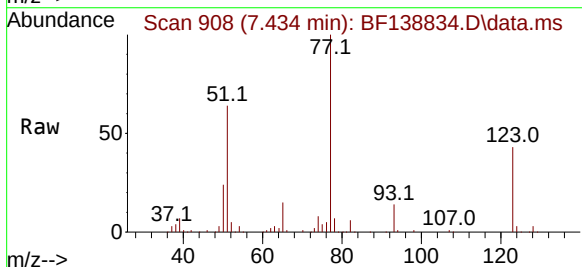
Tgt Ion: 77 Resp: 174039

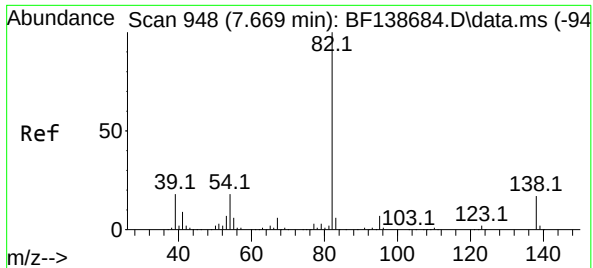
Ion Ratio Lower Upper

77 100

123 43.3 33.3 49.9

65 15.2 11.9 17.9

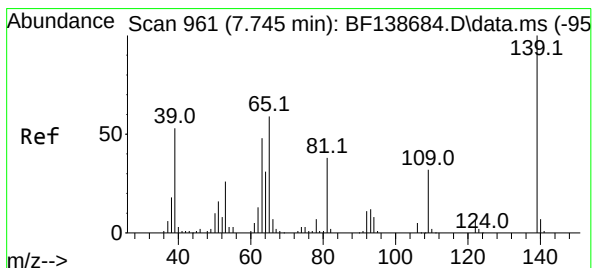
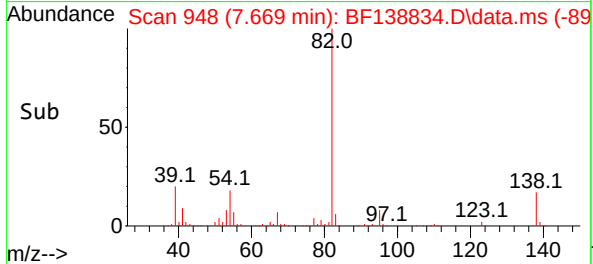
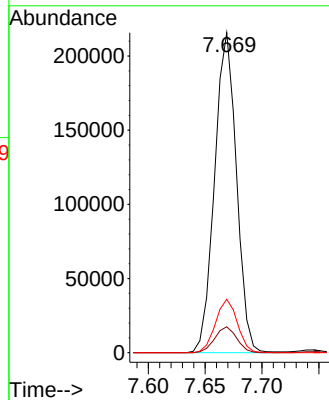
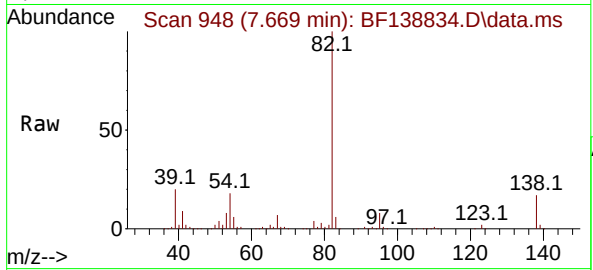




#25
Isophorone
Concen: 39.164 ng
RT: 7.669 min Scan# 948
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

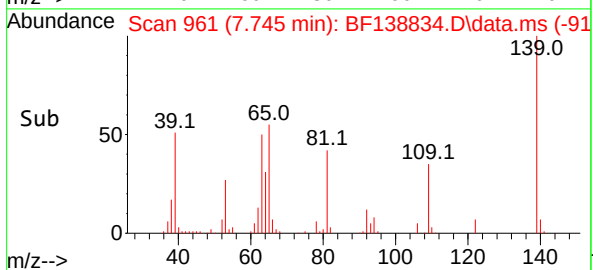
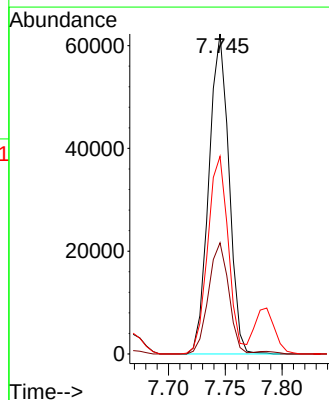
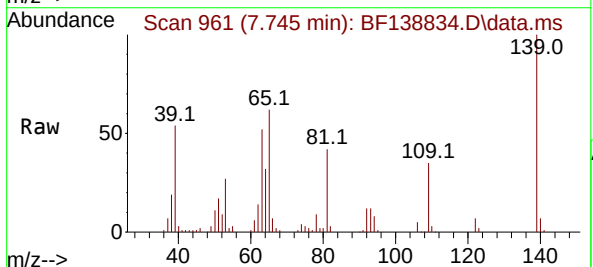
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

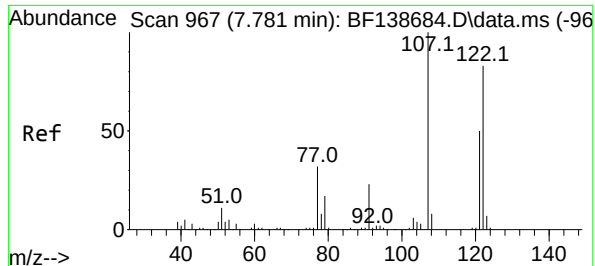
Tgt Ion: 82 Resp: 288890
Ion Ratio Lower Upper
82 100
95 8.1 5.7 8.5
138 16.7 13.7 20.5



#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

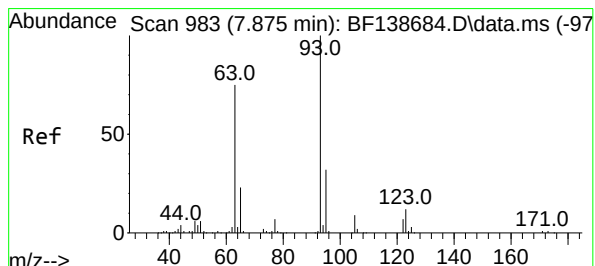
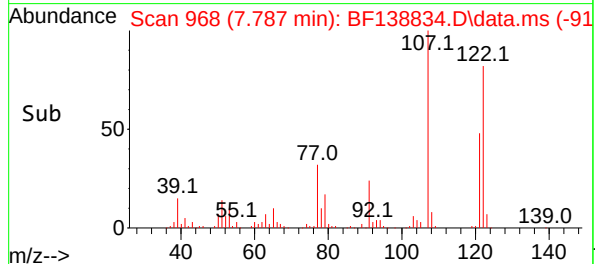
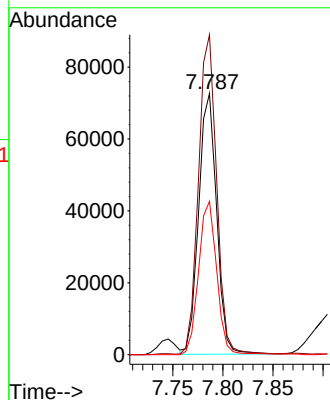
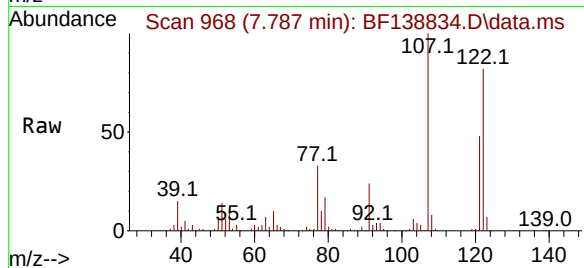
Tgt Ion:122 Resp: 90849

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

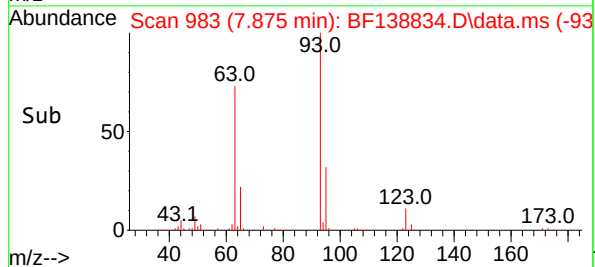
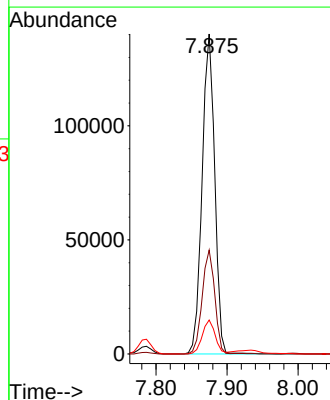
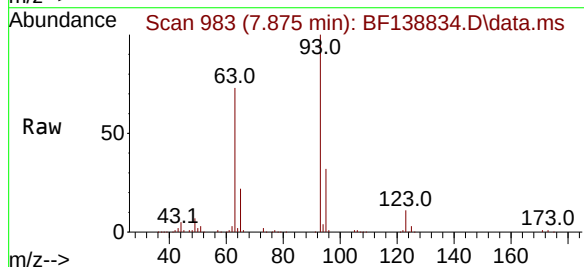
Tgt Ion: 93 Resp: 173671

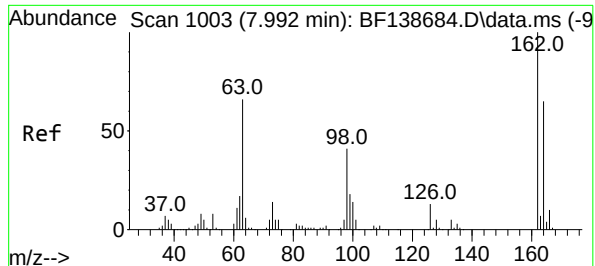
Ion Ratio Lower Upper

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

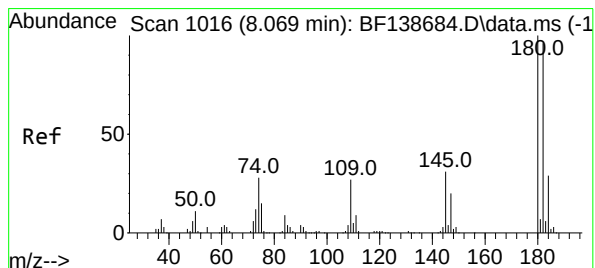
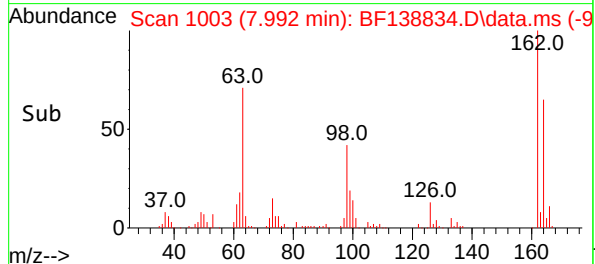
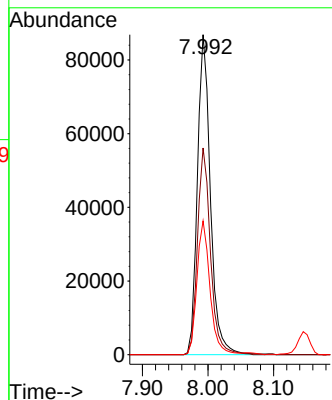
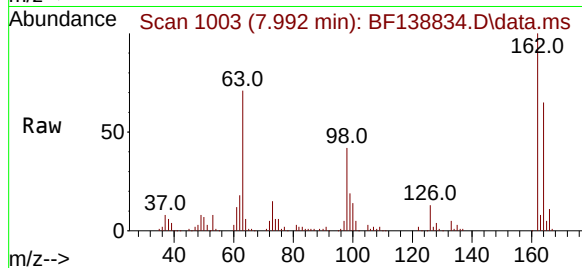
Tgt Ion:162 Resp: 120062

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

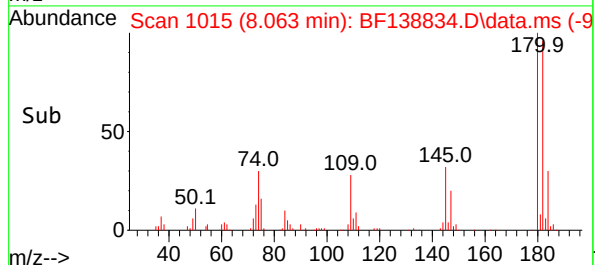
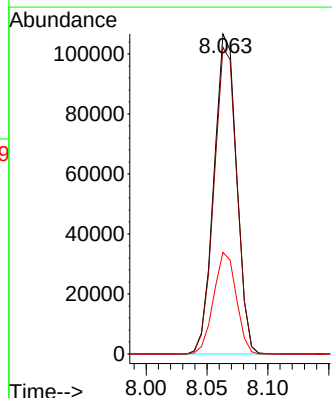
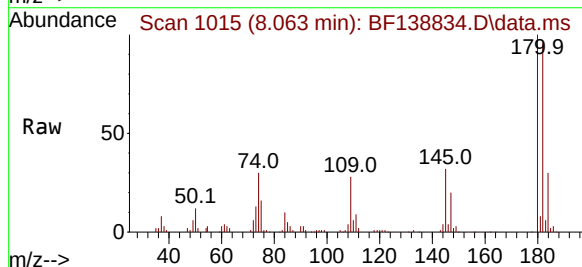
Tgt Ion:180 Resp: 138252

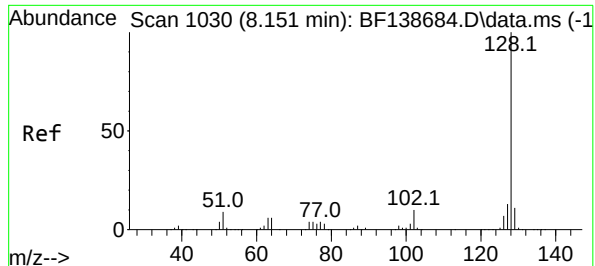
Ion Ratio Lower Upper

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

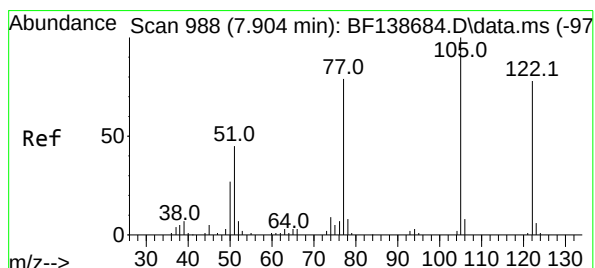
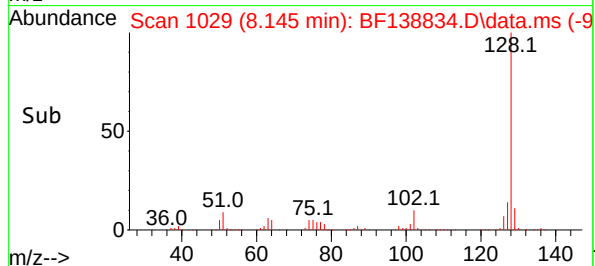
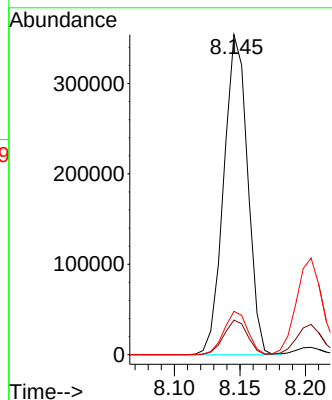
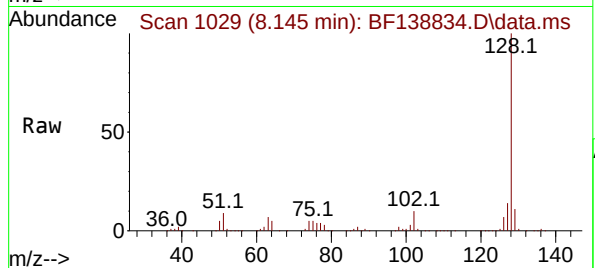
Tgt Ion:128 Resp: 447056

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

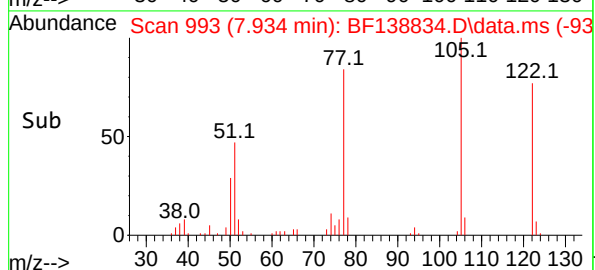
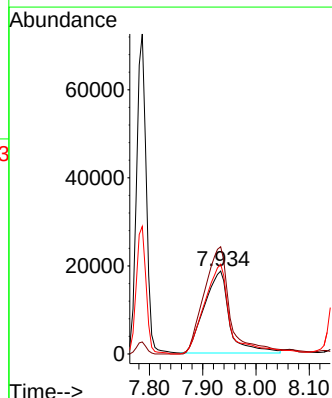
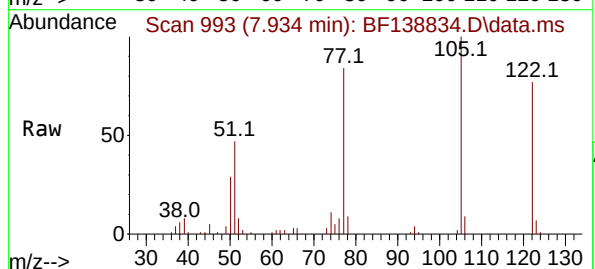
Tgt Ion:122 Resp: 61171

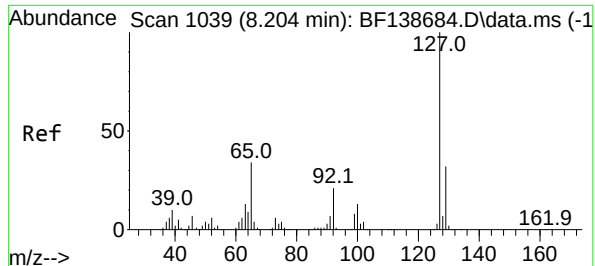
Ion Ratio Lower Upper

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

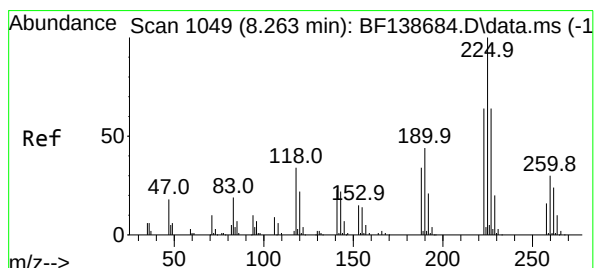
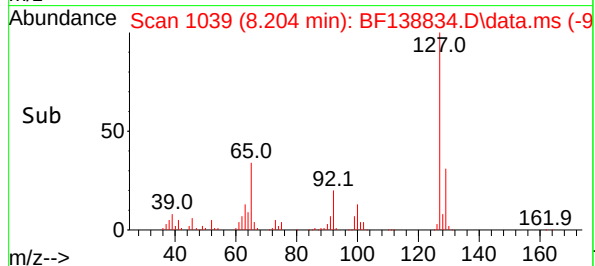
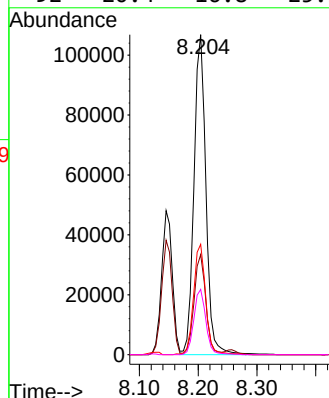
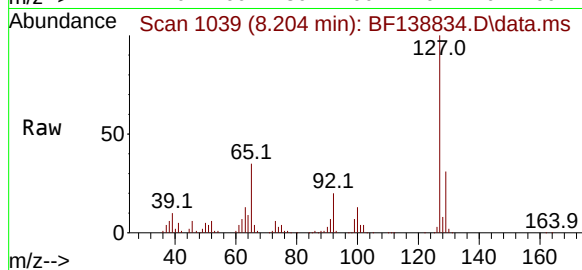
Ion Ratio Lower Upper

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

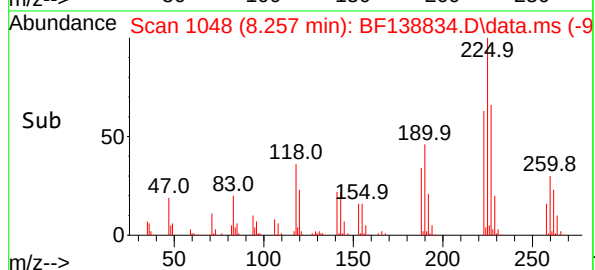
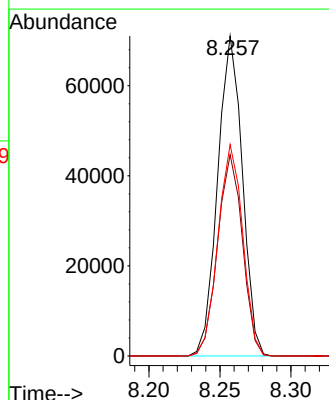
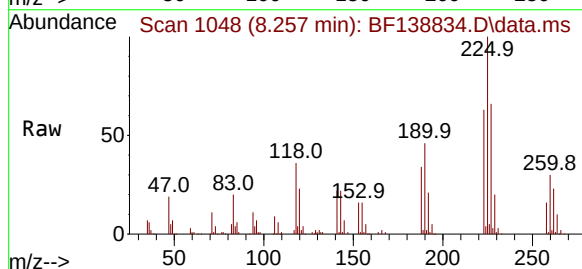
Tgt Ion:225 Resp: 85814

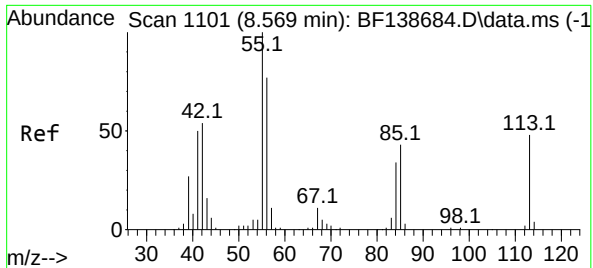
Ion Ratio Lower Upper

225 100

223 62.9 51.2 76.8

227 66.0 51.1 76.7

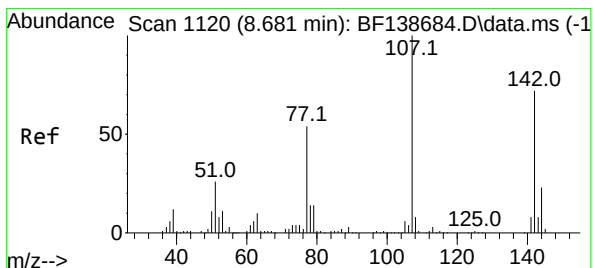
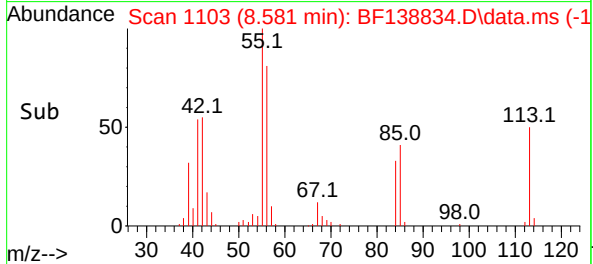
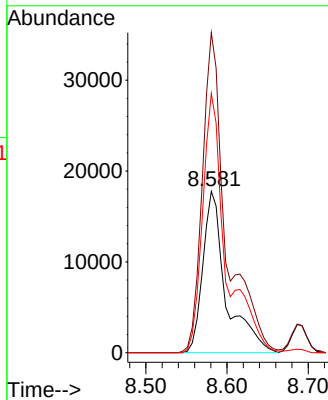
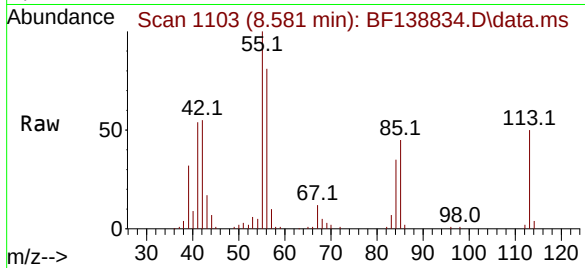




#35
Caprolactam
Concen: 40.674 ng
RT: 8.581 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

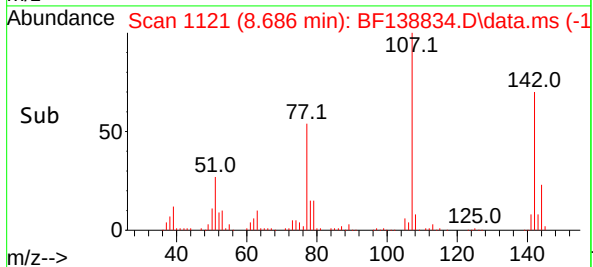
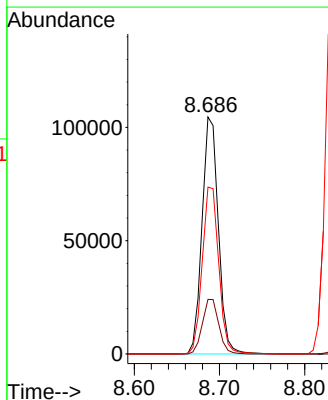
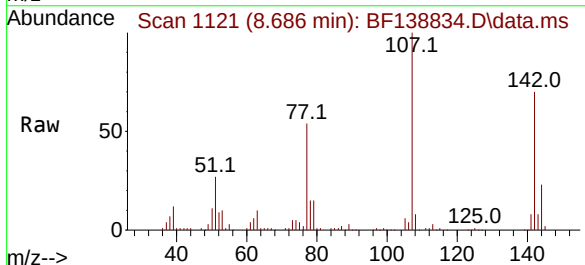
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

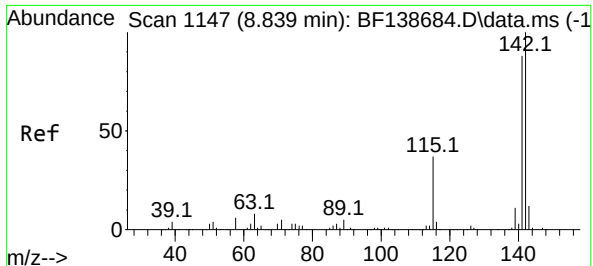
Tgt Ion:113 Resp: 35289
Ion Ratio Lower Upper
113 100
55 198.3 186.7 226.7
56 160.7 138.9 178.9



#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 :

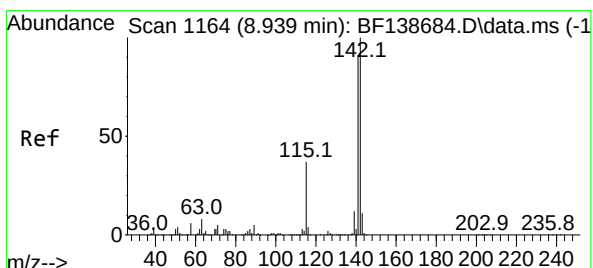
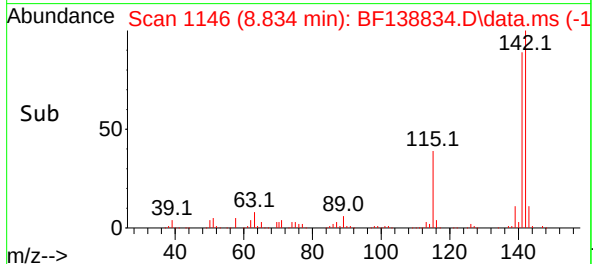
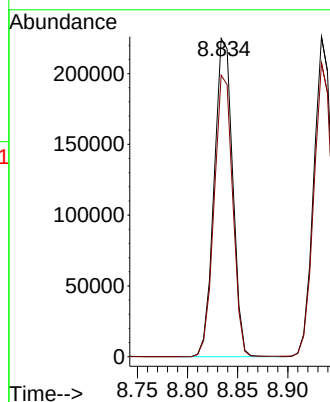
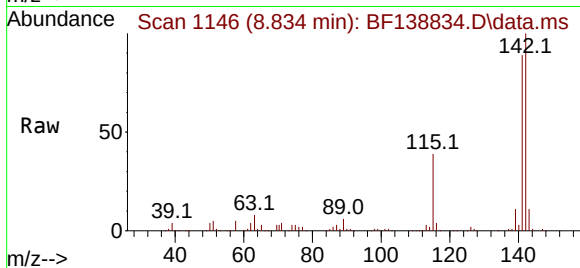
SSTDCCC040

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

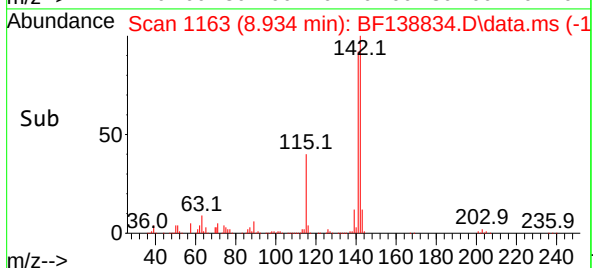
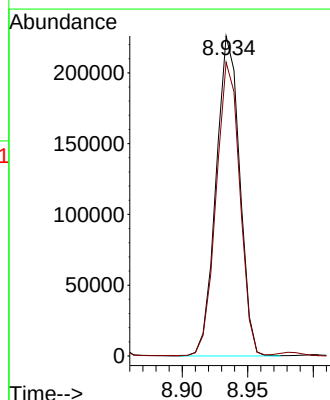
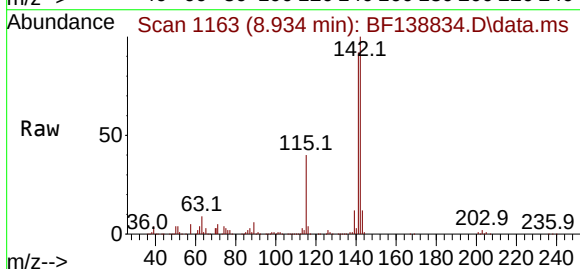
Acq: 07 Aug 2024 11:00

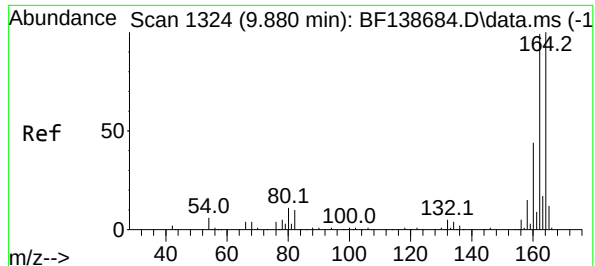
Tgt Ion:142 Resp: 282811

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

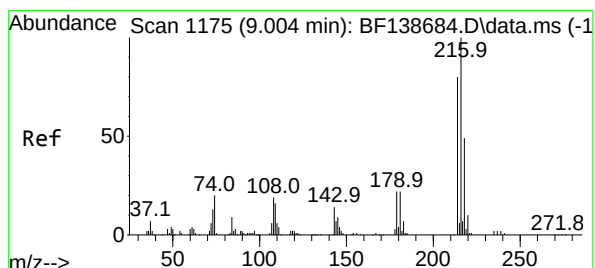
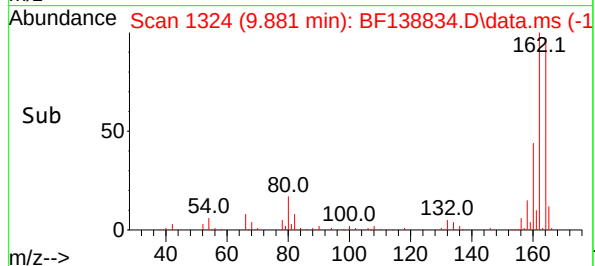
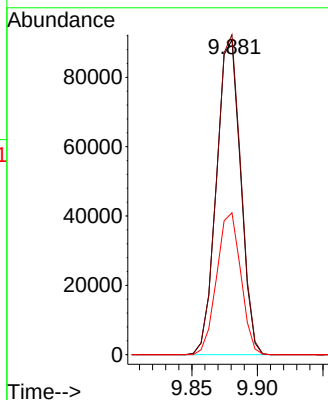
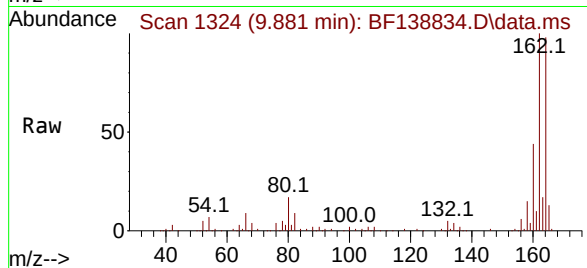
Tgt Ion:164 Resp: 116265

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

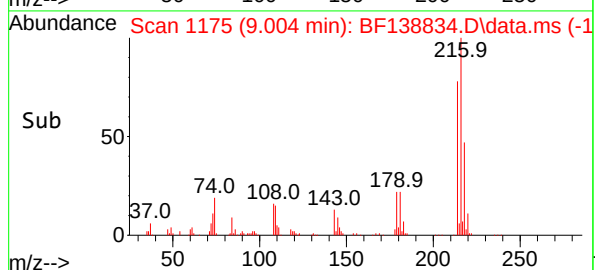
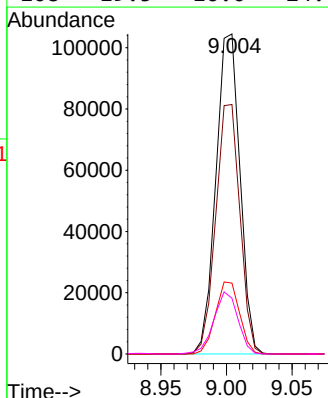
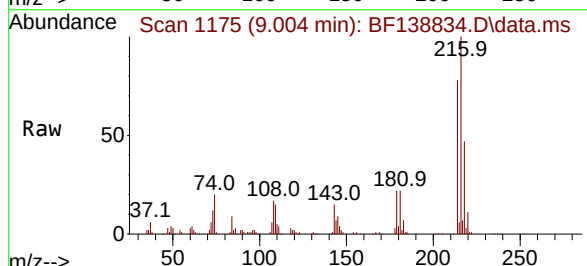
Ion Ratio Lower Upper

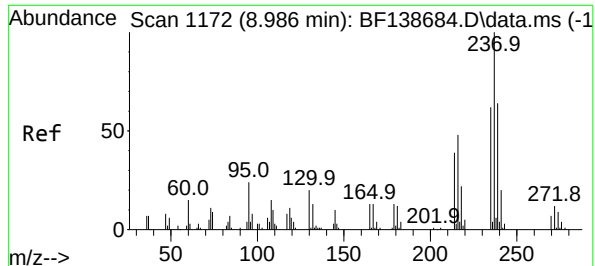
216 100

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

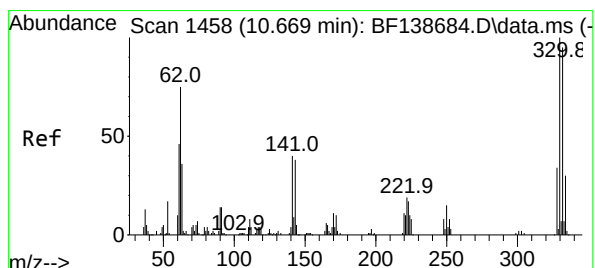
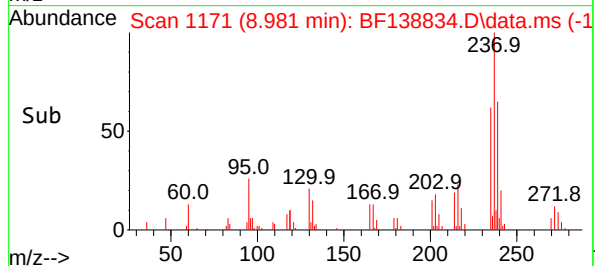
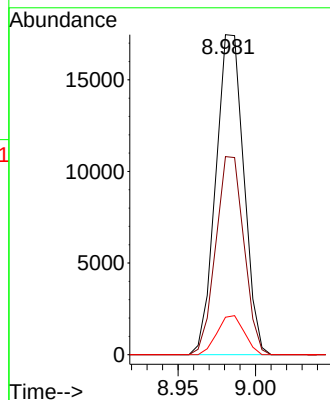
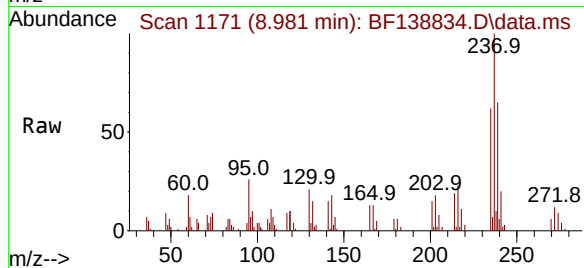
Tgt Ion:237 Resp: 21969

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

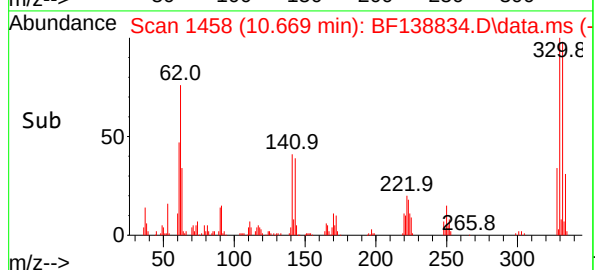
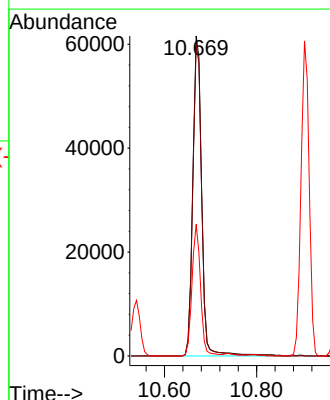
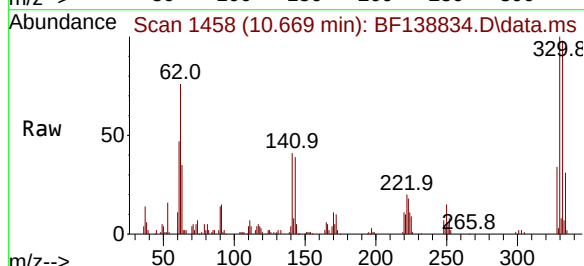
Tgt Ion:330 Resp: 82303

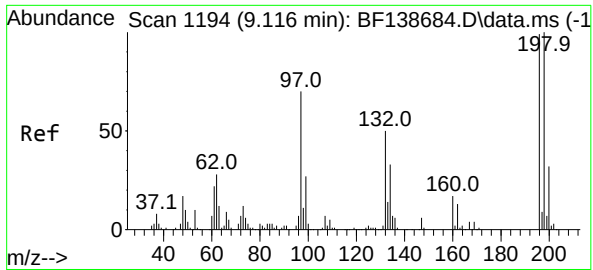
Ion Ratio Lower Upper

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

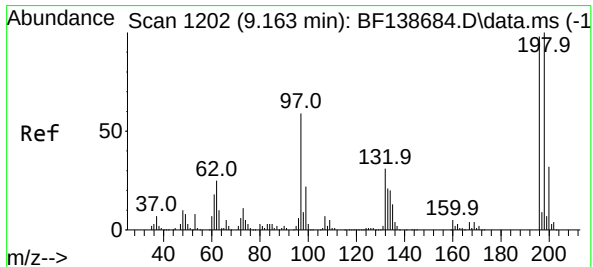
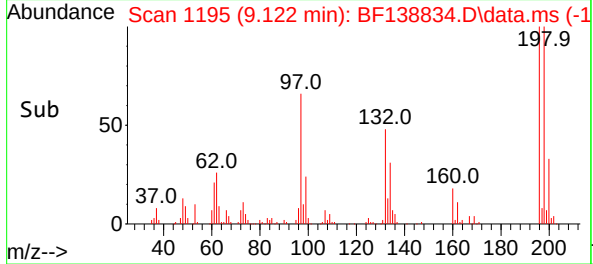
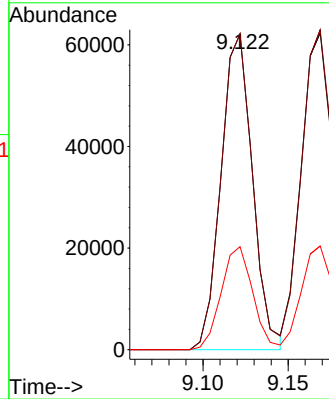
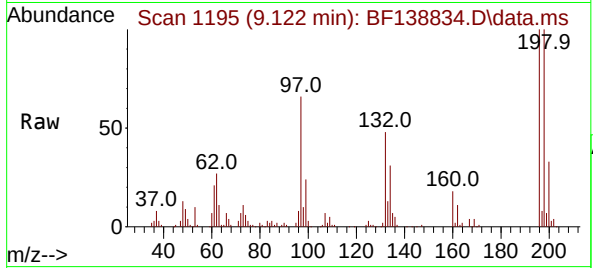
Tgt Ion:196 Resp: 79839

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

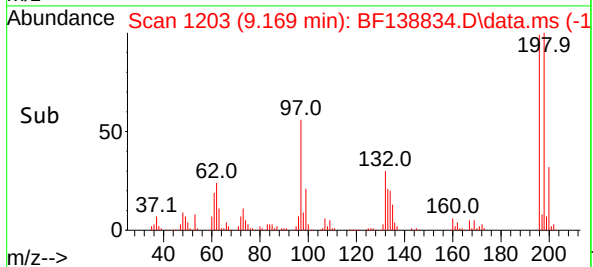
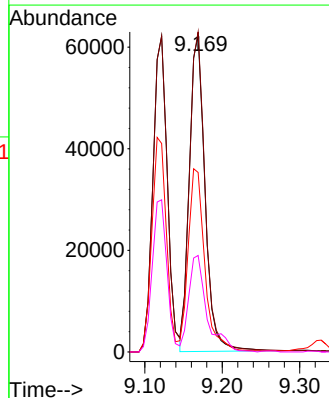
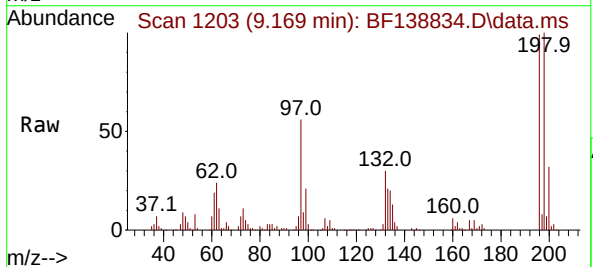
Ion Ratio Lower Upper

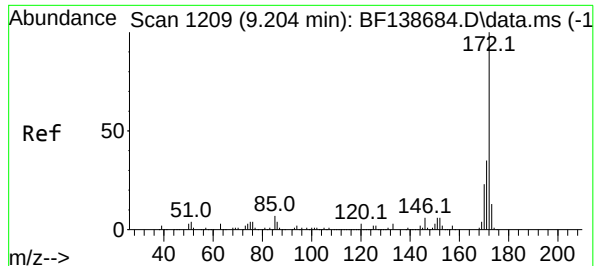
196 100

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

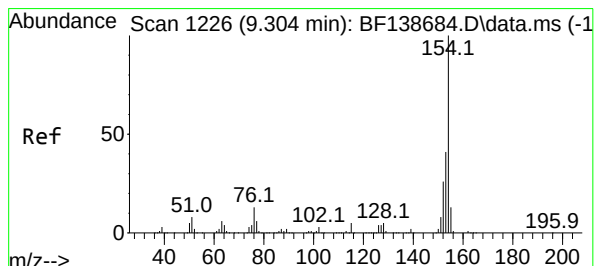
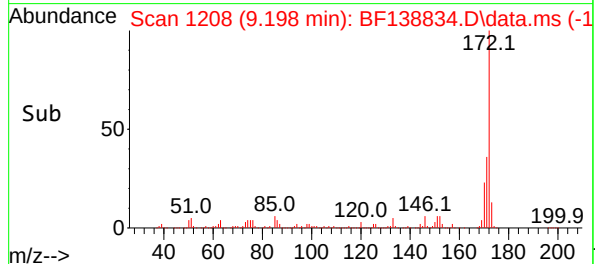
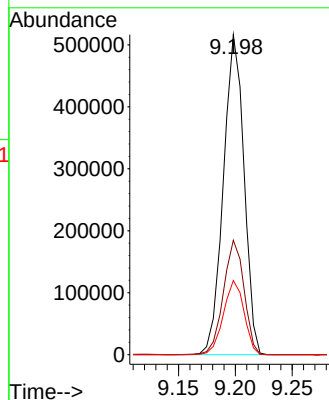
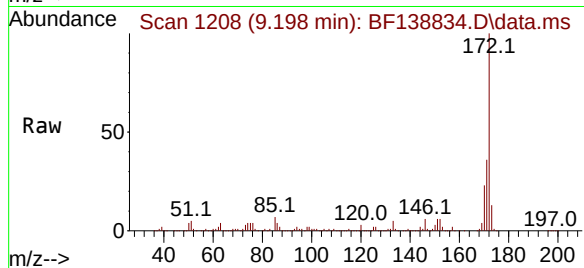
Tgt Ion:172 Resp: 652974

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

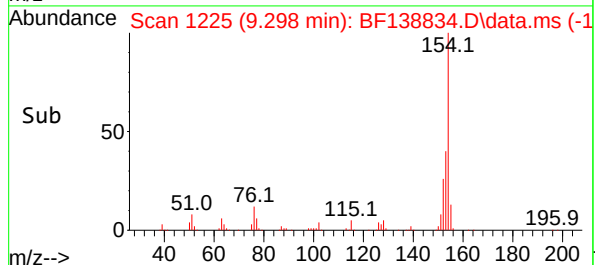
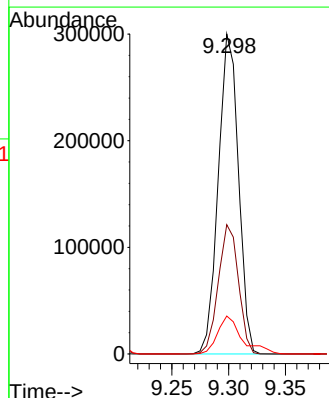
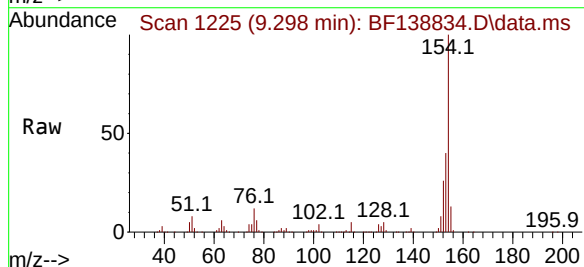
Tgt Ion:154 Resp: 370626

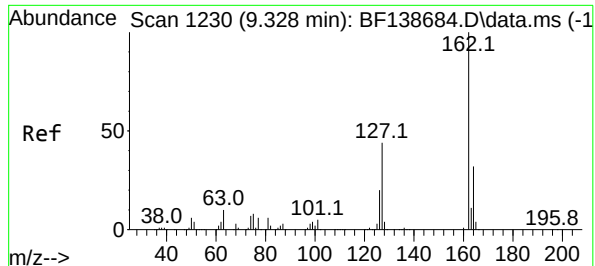
Ion Ratio Lower Upper

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

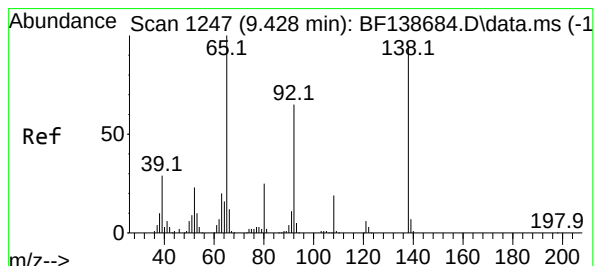
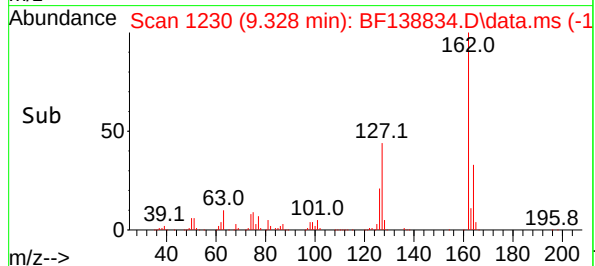
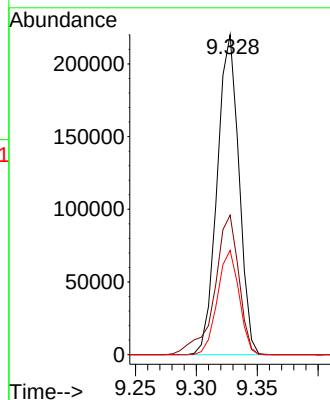
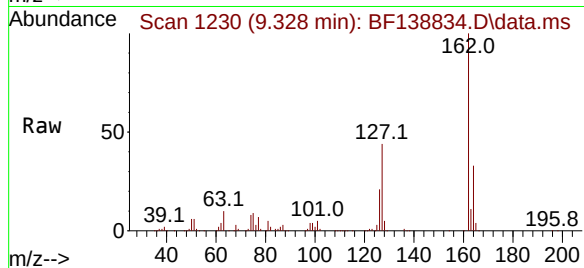
Tgt Ion:162 Resp: 273493

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

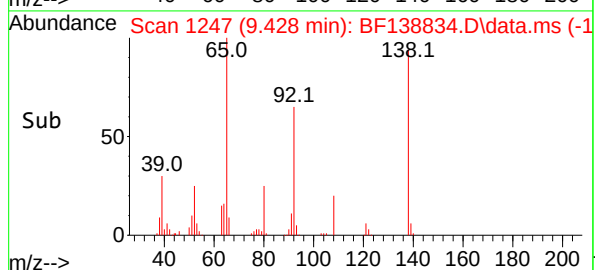
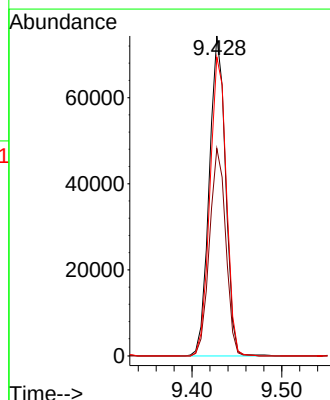
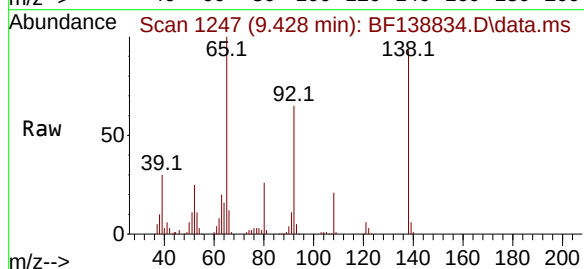
Tgt Ion: 65 Resp: 93816

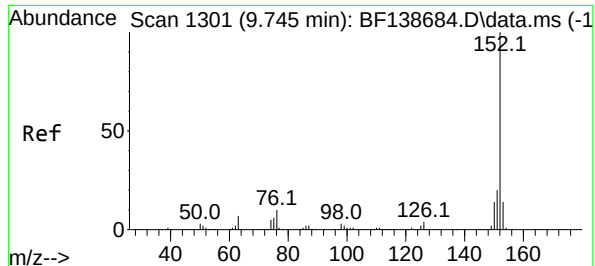
Ion Ratio Lower Upper

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

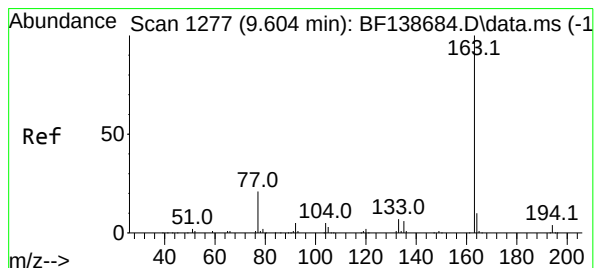
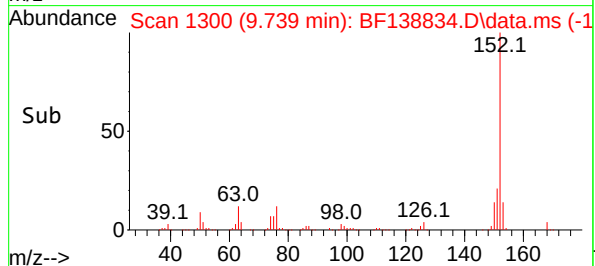
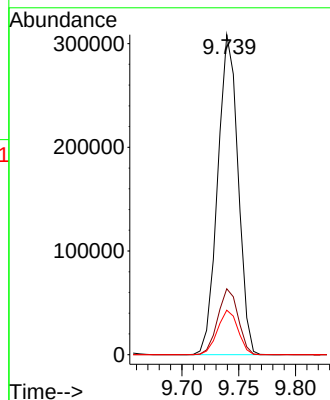
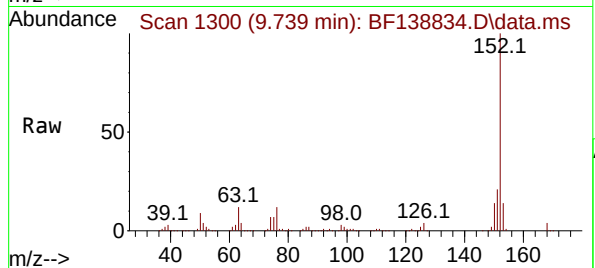
Tgt Ion:152 Resp: 384800

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

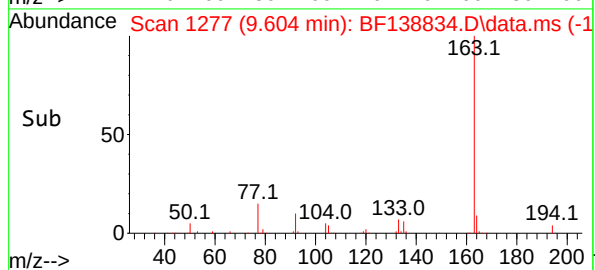
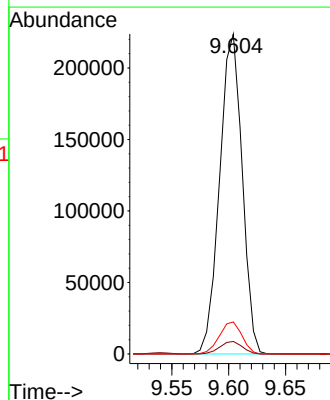
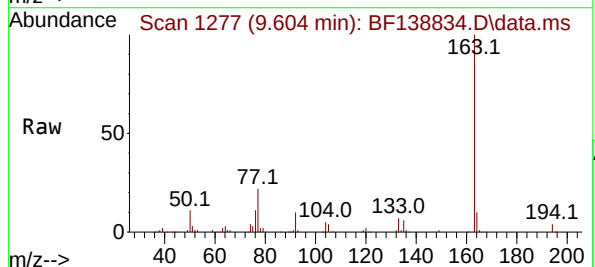
Tgt Ion:163 Resp: 308827

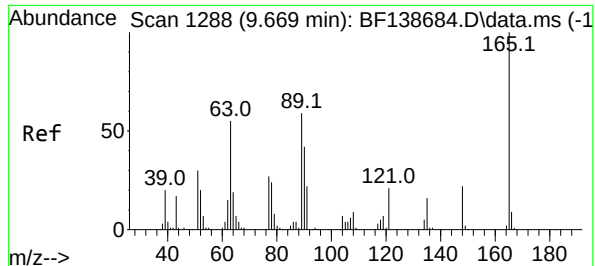
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.0 7.8 11.8

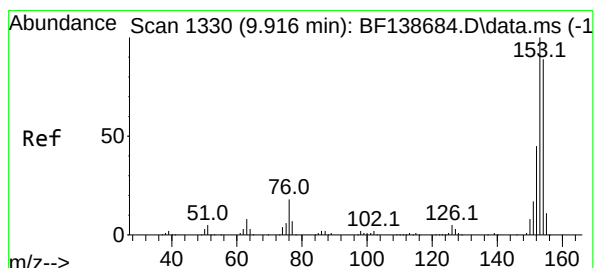
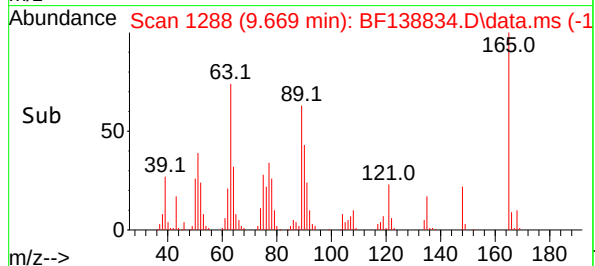
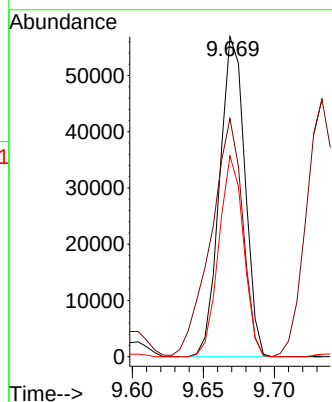
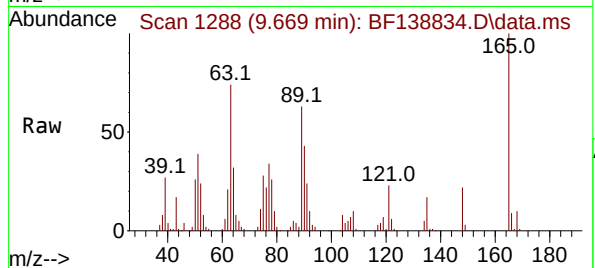




#51
2,6-Dinitrotoluene
Concen: 41.907 ng
RT: 9.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

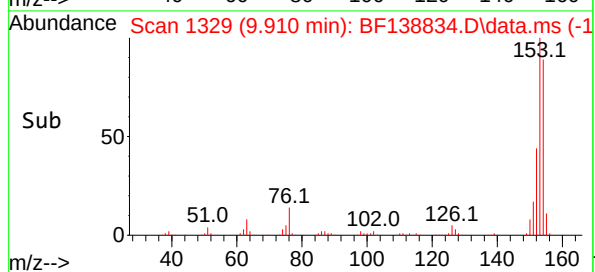
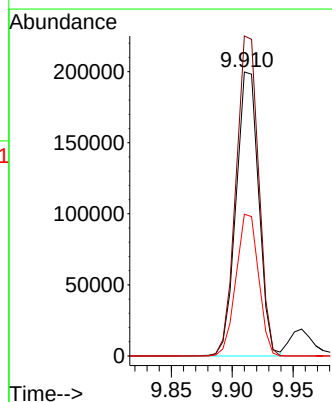
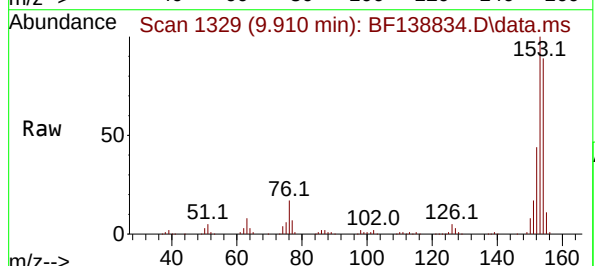
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

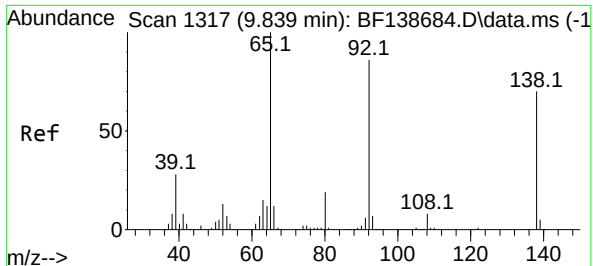
Tgt Ion:165 Resp: 70309
Ion Ratio Lower Upper
165 100
63 74.4 52.0 78.0
89 62.7 47.0 70.6



#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

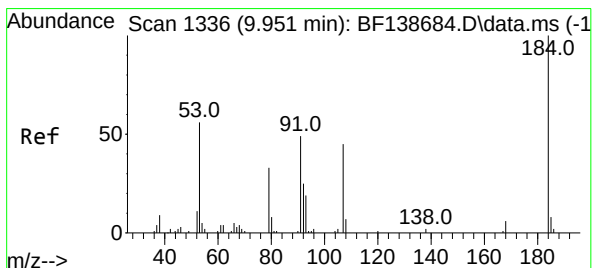
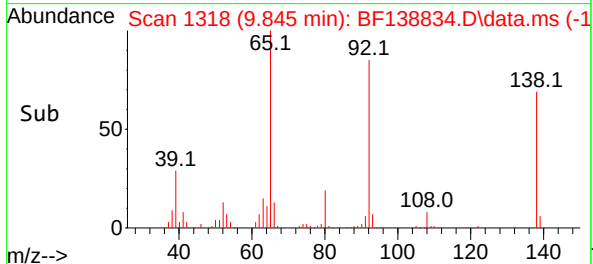
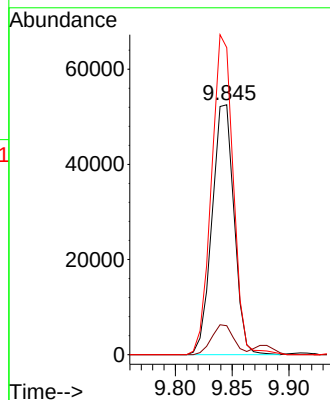
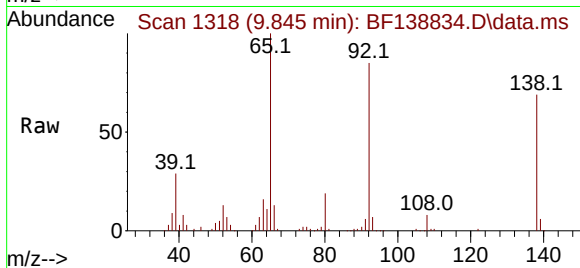




#53
3-Nitroaniline
Concen: 40.914 ng
RT: 9.845 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

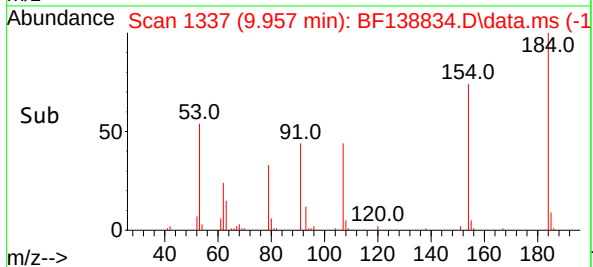
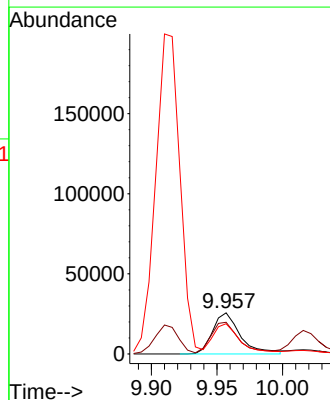
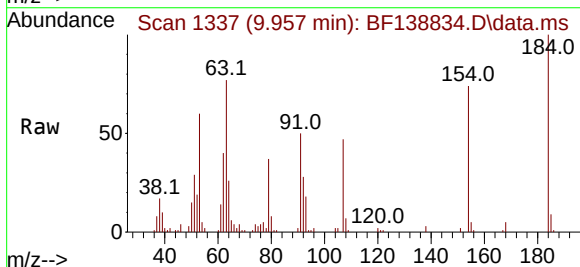
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

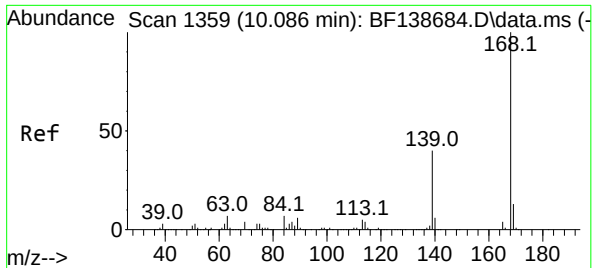
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.1	13.7
92	122.9	98.7	148.1



#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

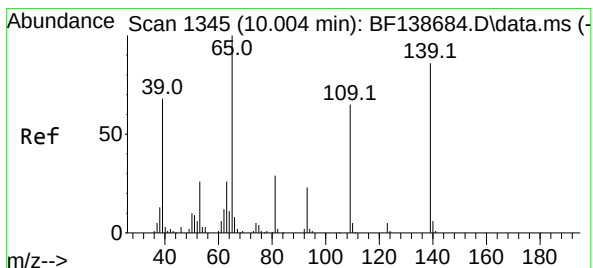
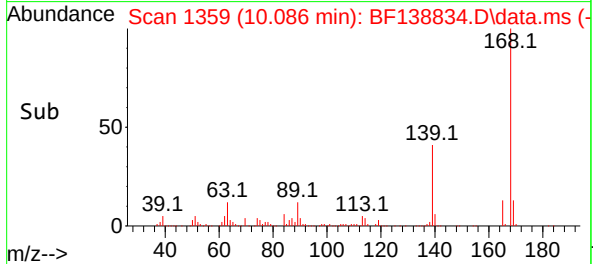
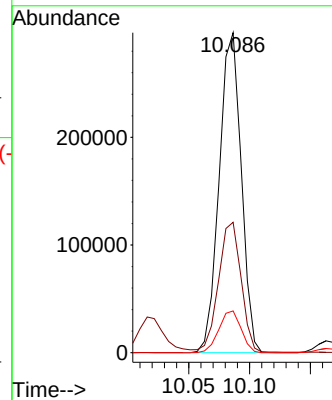
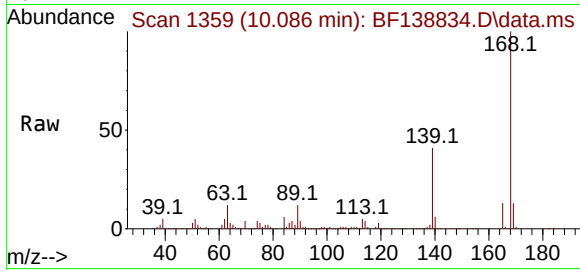




#55
Dibenzenofuran
Concen: 41.040 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

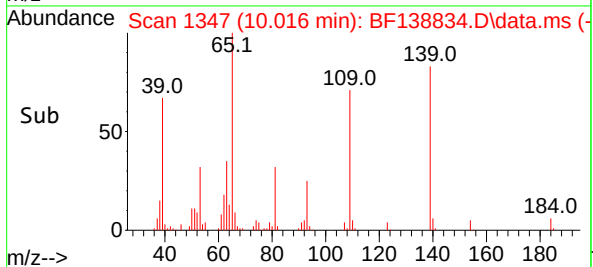
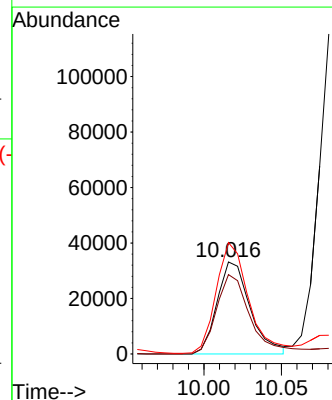
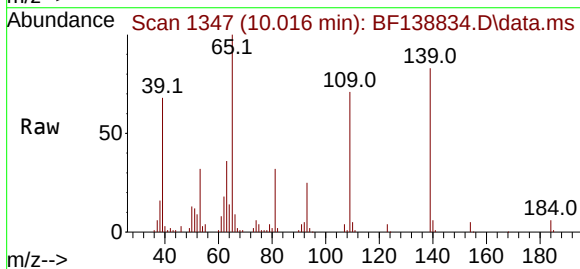
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

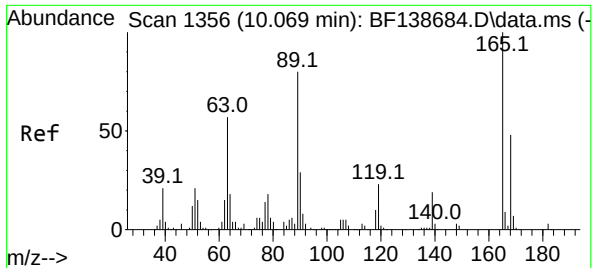
Tgt Ion:168 Resp: 374050
Ion Ratio Lower Upper
168 100
139 40.7 32.6 49.0
169 13.0 10.7 16.1



#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

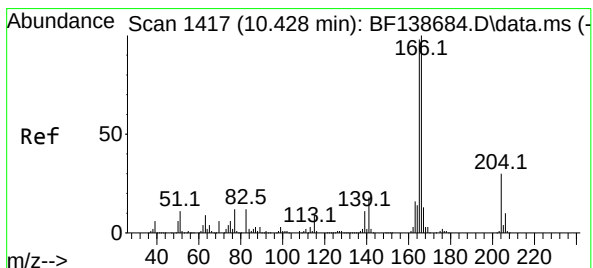
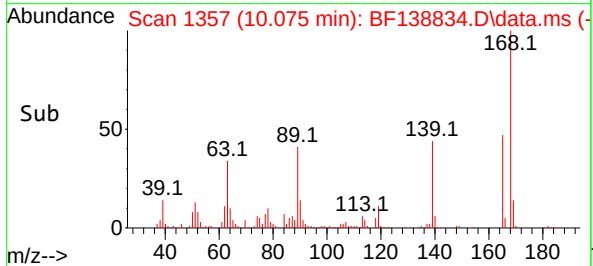
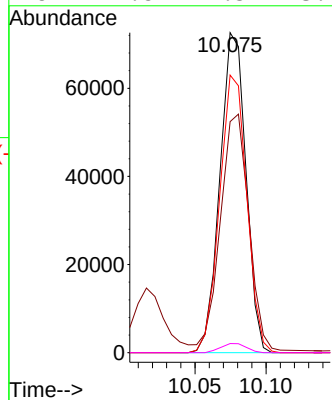
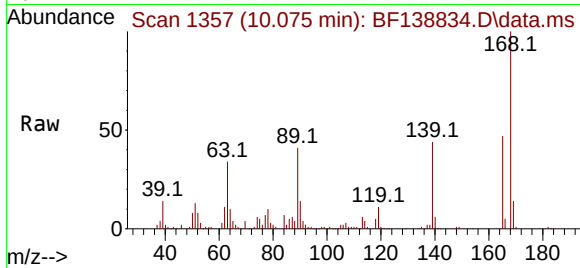




#57
2,4-Dinitrotoluene
Concen: 43.111 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

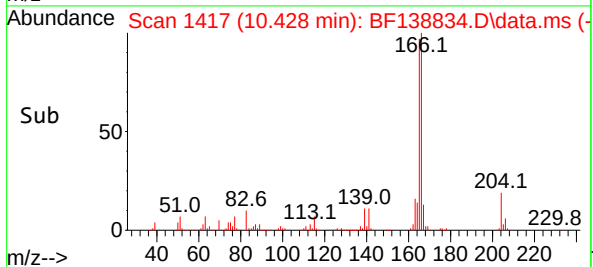
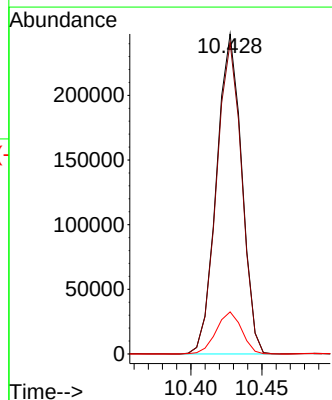
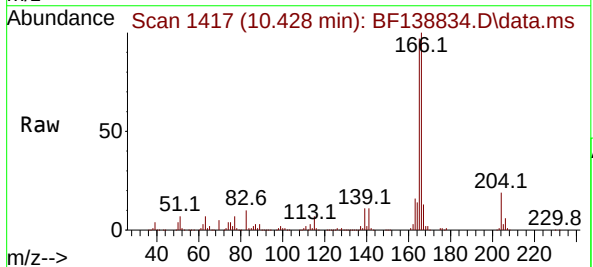
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

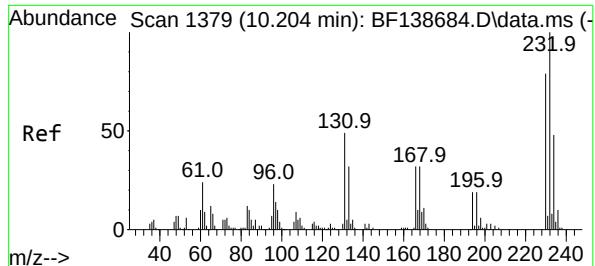
Tgt Ion:165 Resp: 92280
Ion Ratio Lower Upper
165 100
63 72.2 46.3 69.5#
89 86.8 64.2 96.4
182 2.8 2.5 3.7



#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

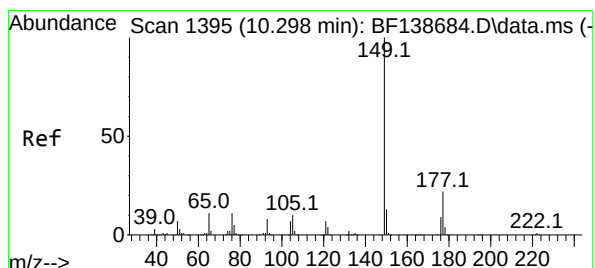
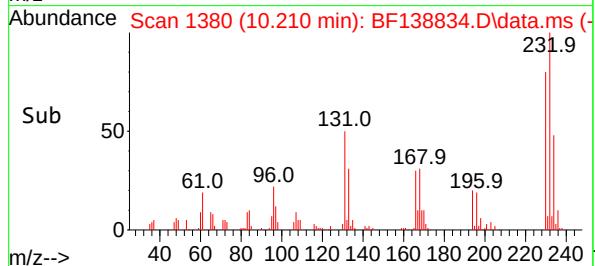
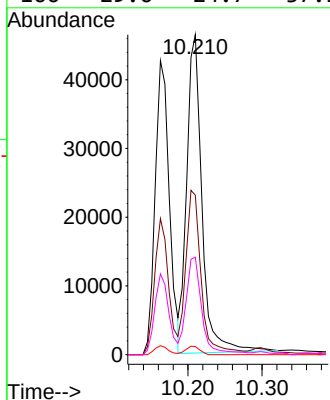
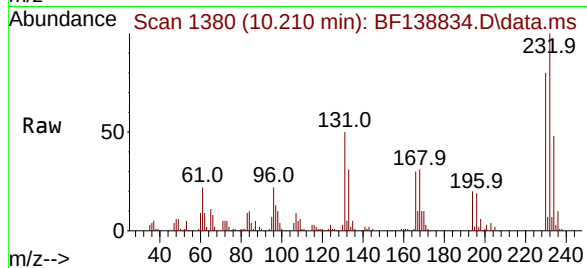




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.256 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

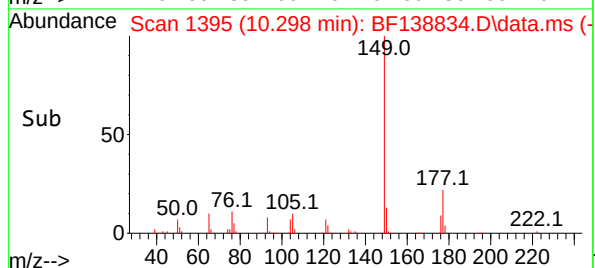
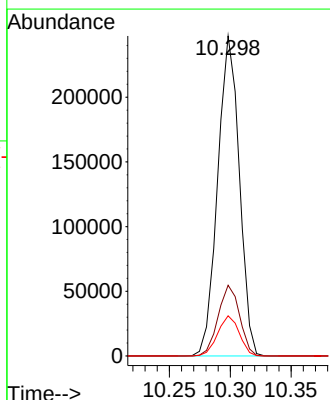
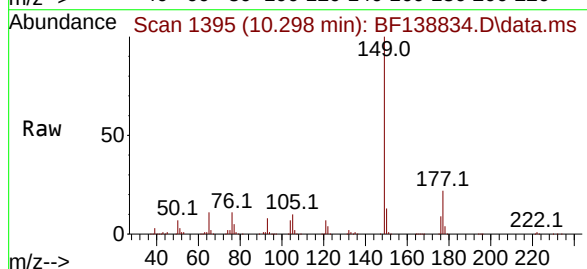
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

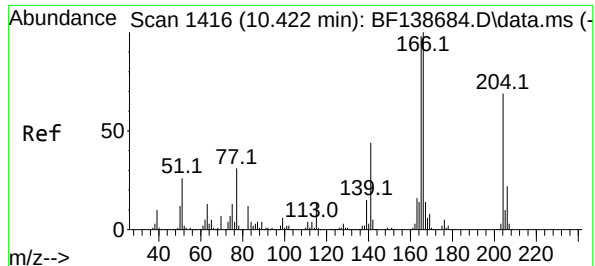
Tgt Ion:232 Resp: 66253
Ion Ratio Lower Upper
232 100
131 51.4 37.0 55.4
130 2.4 2.0 3.0
166 29.6 24.7 37.1



#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

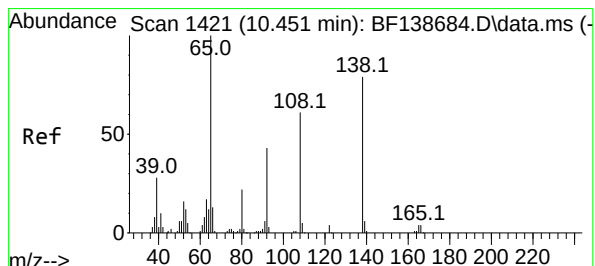
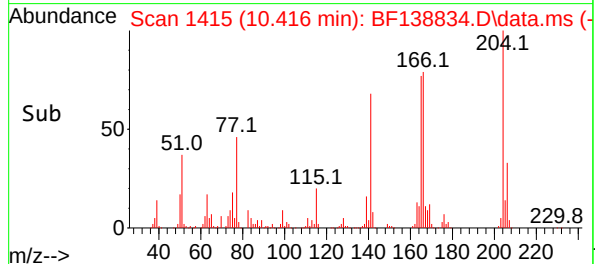
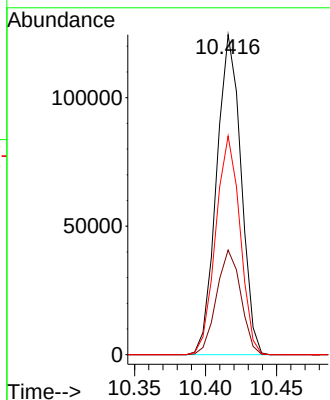
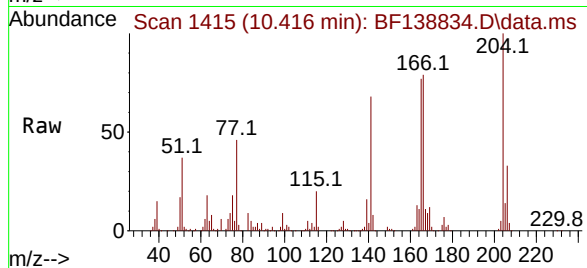




#61
4-Chlorophenyl-phenylether
Concen: 41.796 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

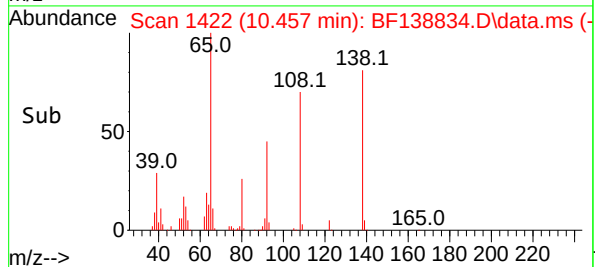
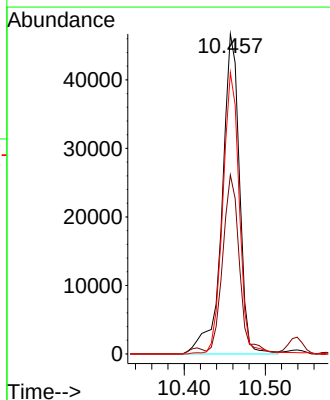
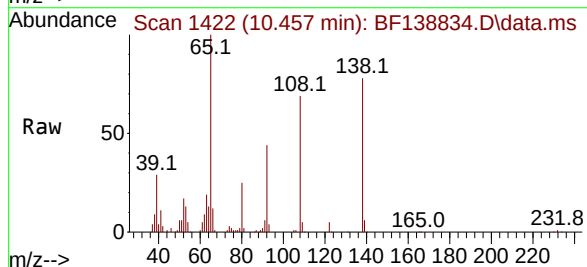
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

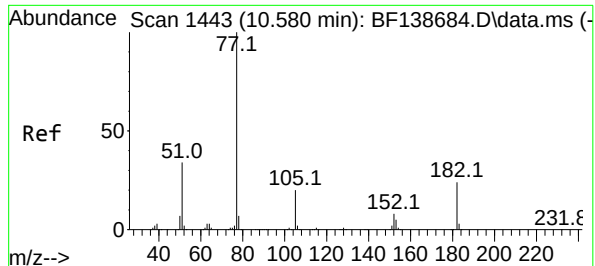
Tgt Ion:204 Resp: 149196
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 68.3 51.4 77.0



#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# 1442

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

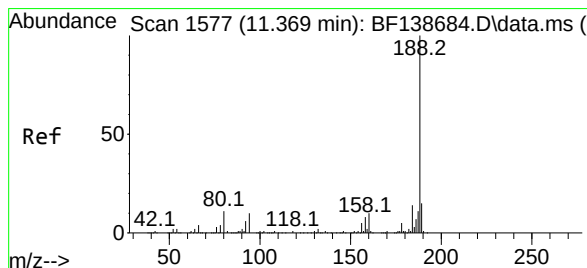
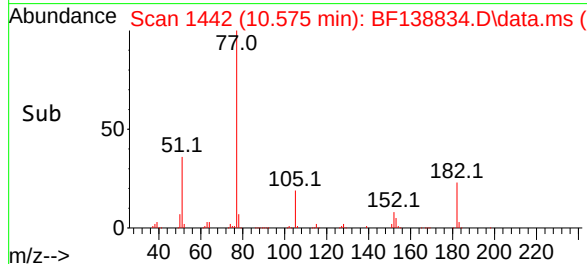
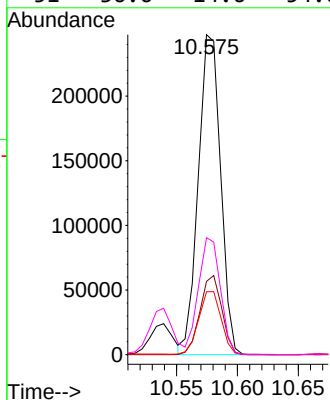
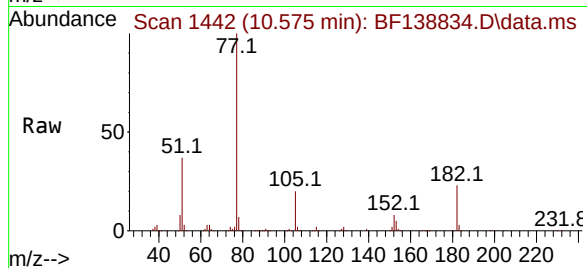
Ion Ratio Lower Upper

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

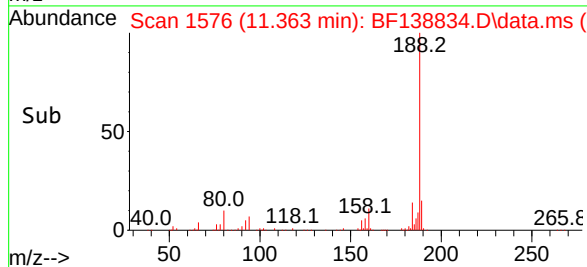
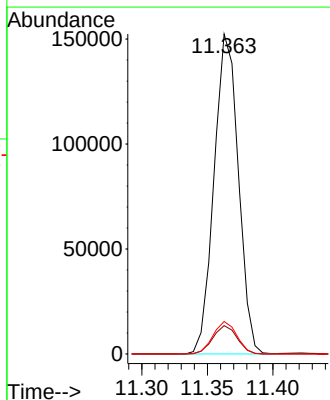
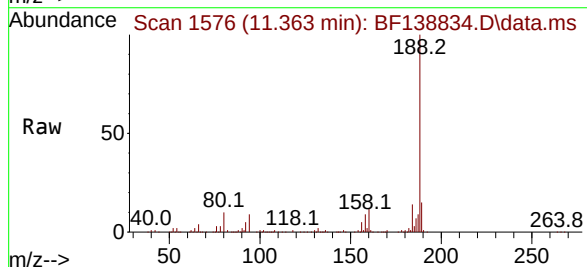
Tgt Ion: 188 Resp: 196393

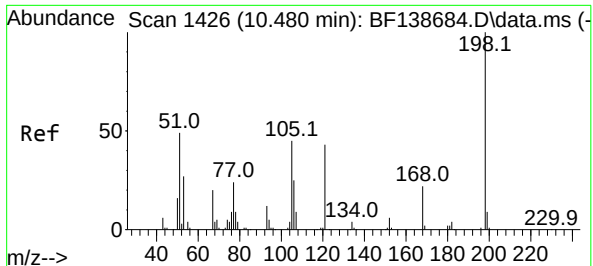
Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 10.1 8.6 12.8

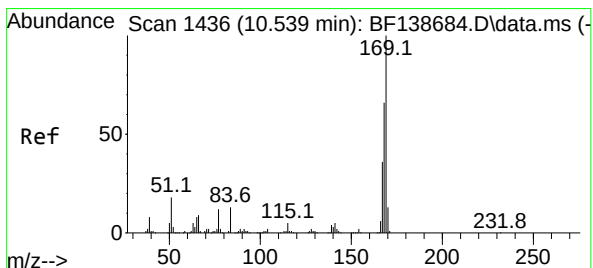
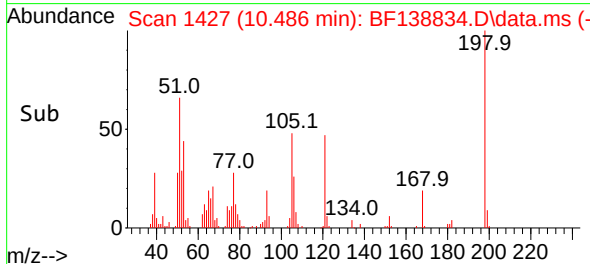
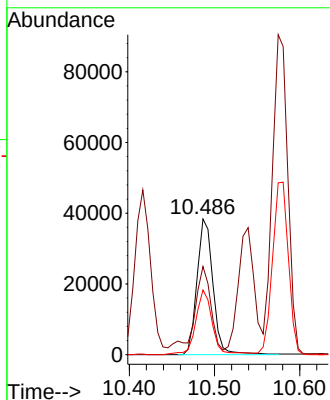
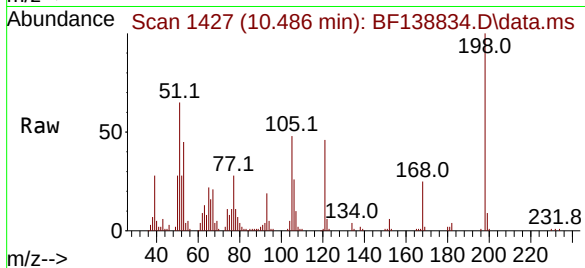




#65
4,6-Dinitro-2-methylphenol
Concen: 41.863 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

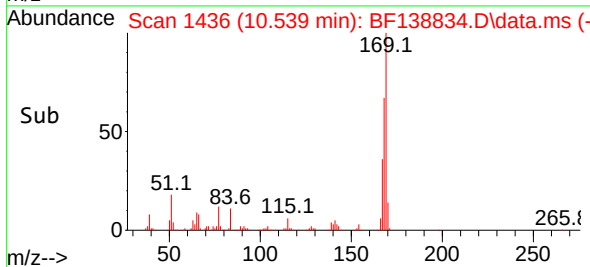
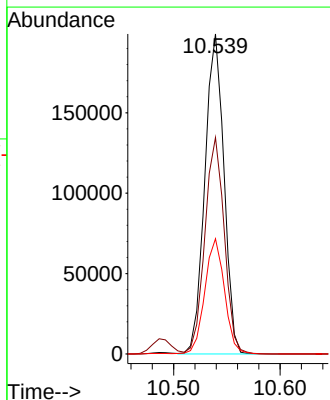
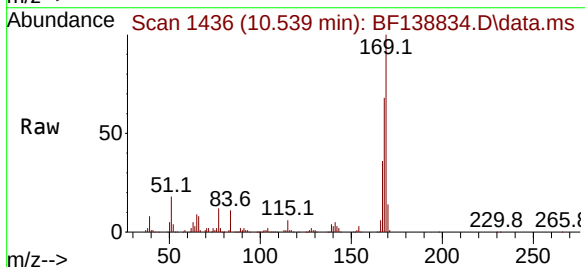
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

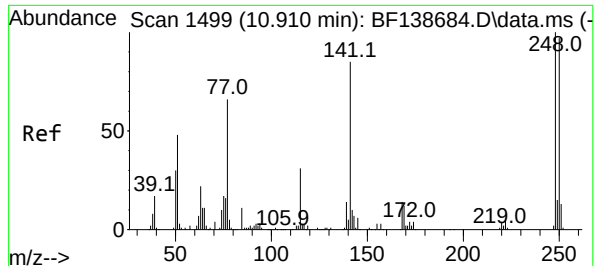
Tgt Ion	Ratio	Lower	Upper
198	100		
51	64.9	39.9	79.9
105	47.6	26.1	66.1



#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

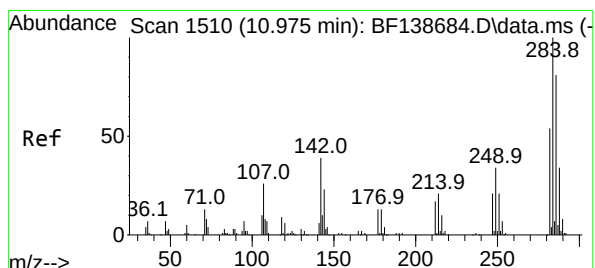
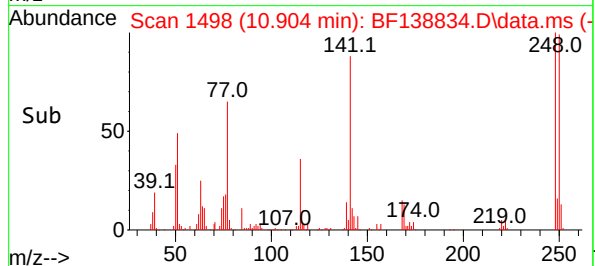
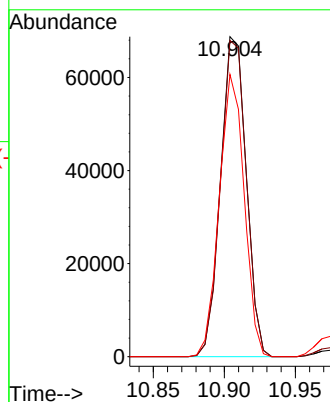
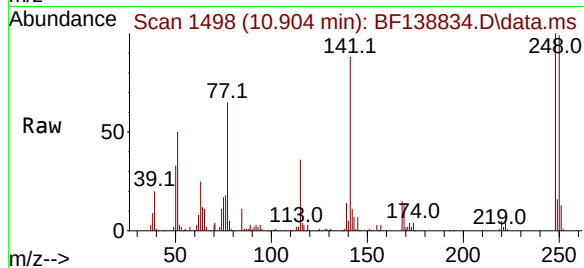




#67
4-Bromophenyl-phenylether
Concen: 40.780 ng
RT: 10.904 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

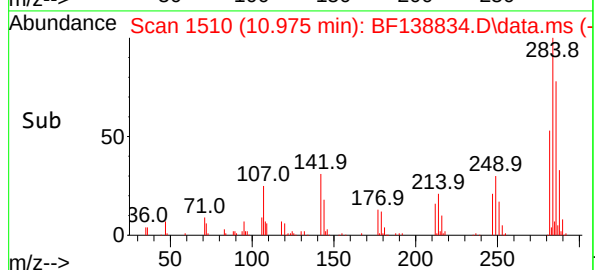
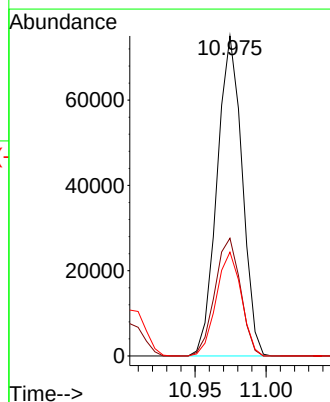
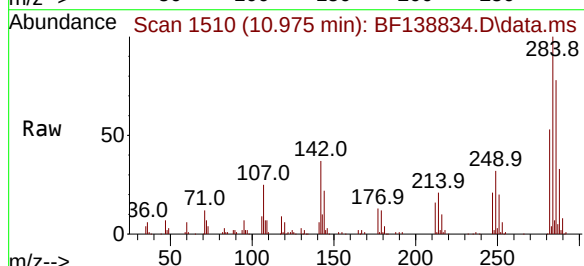
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

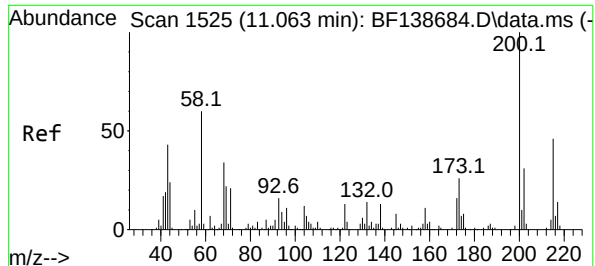
Tgt Ion:248 Resp: 86712
Ion Ratio Lower Upper
248 100
250 98.8 77.7 116.5
141 88.2 68.0 102.0



#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

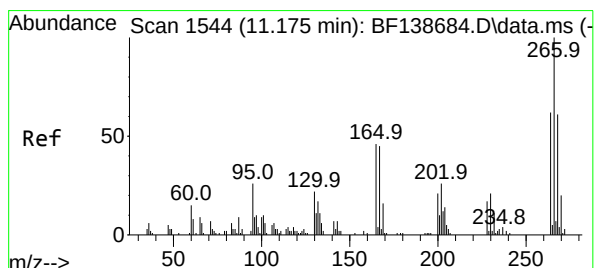
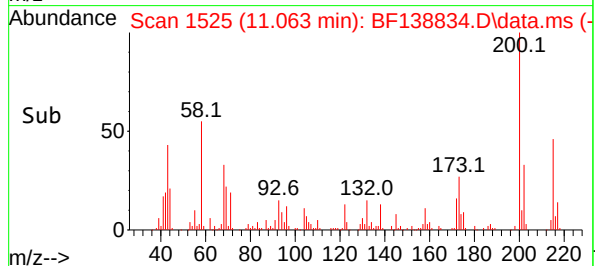
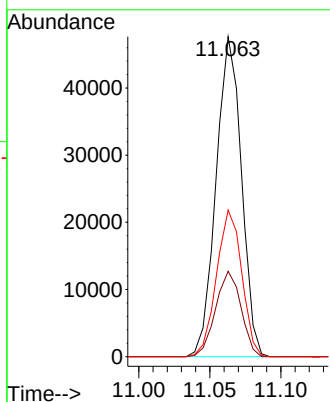
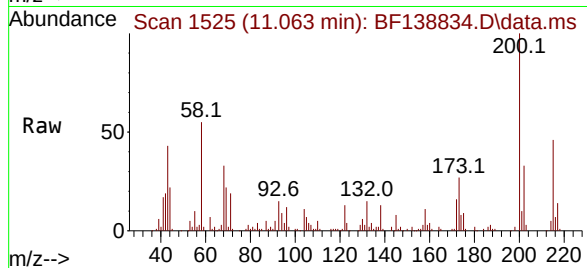
Tgt Ion:200 Resp: 59075

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

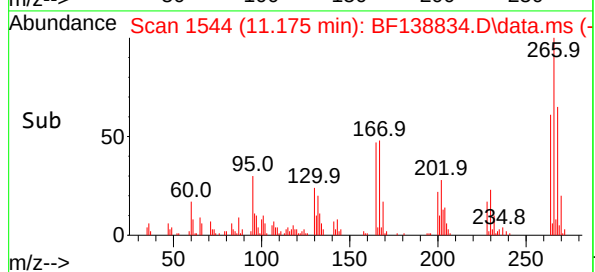
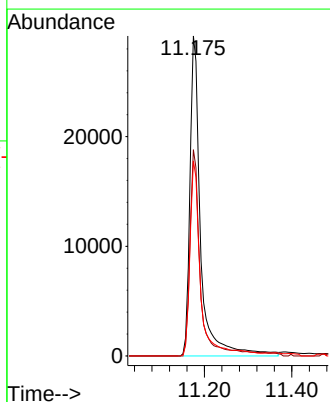
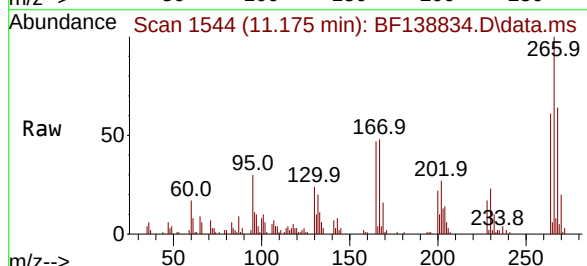
Tgt Ion:266 Resp: 49870

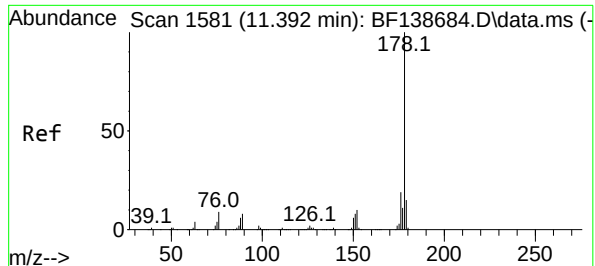
Ion Ratio Lower Upper

266 100

268 64.5 49.2 73.8

264 61.0 49.8 74.6

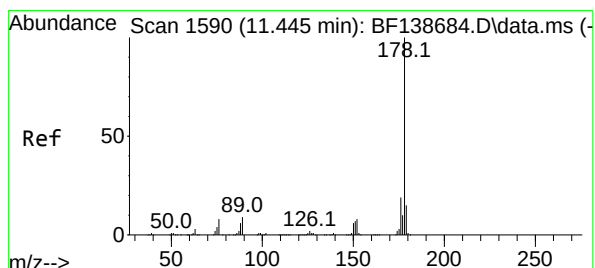
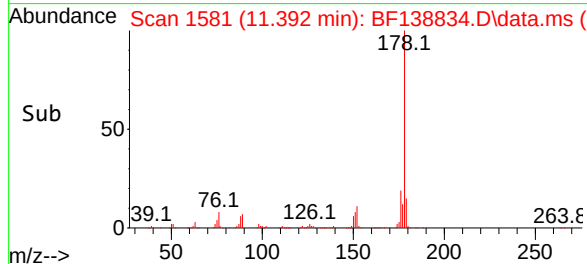
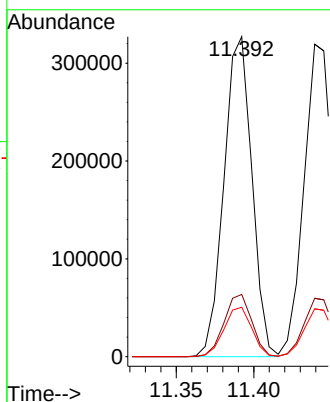
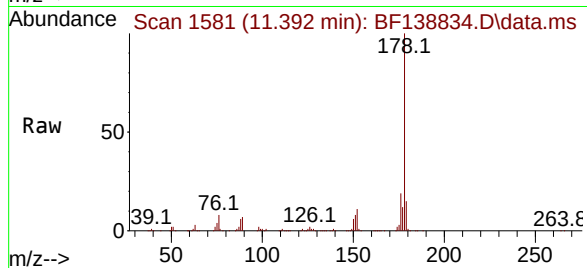




#71
Phenanthrene
Concen: 40.551 ng
RT: 11.392 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

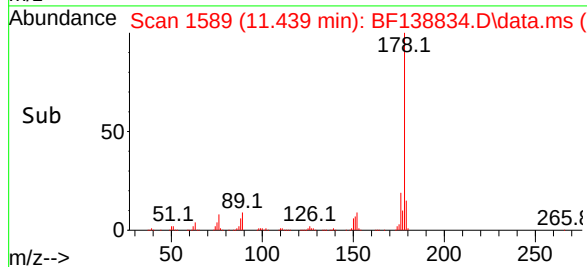
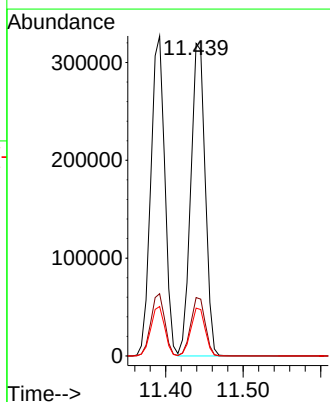
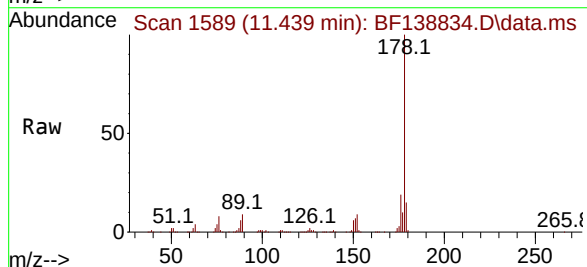
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

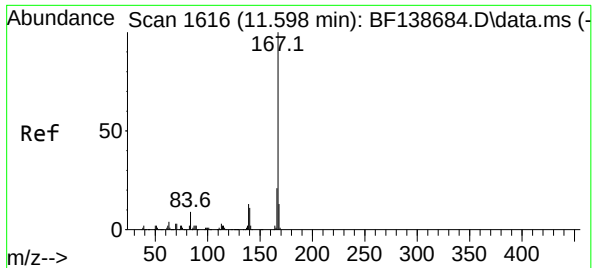
Tgt Ion:178 Resp: 410078
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.2 18.2



#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

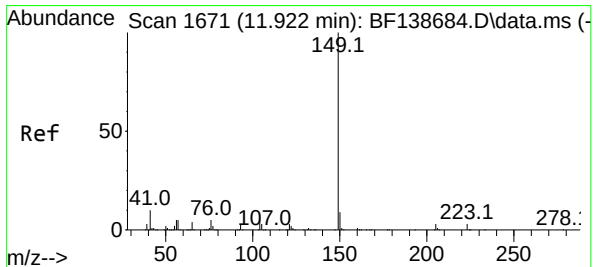
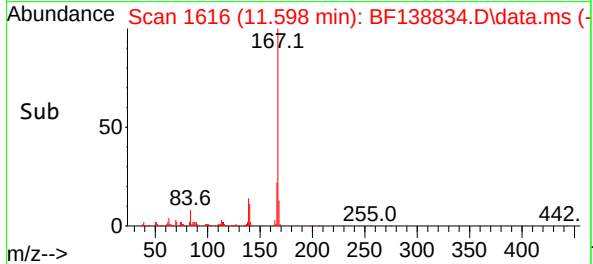
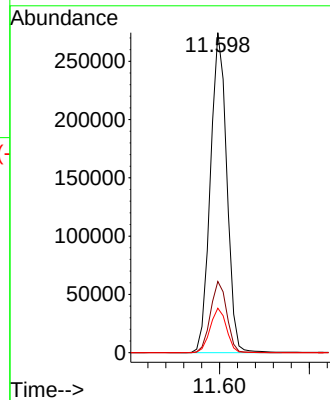
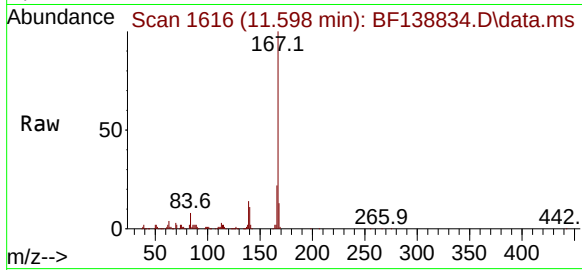




#73
Carbazole
Concen: 40.547 ng
RT: 11.598 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

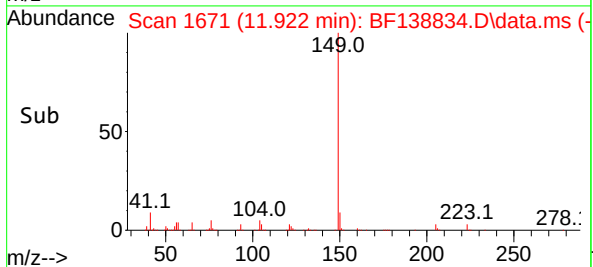
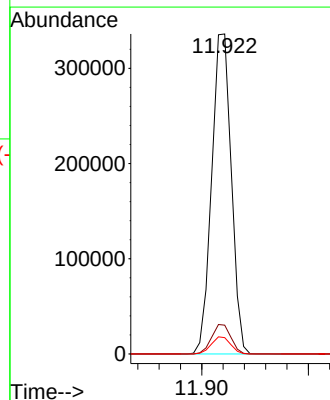
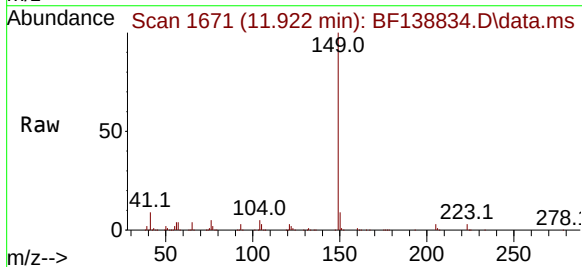
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

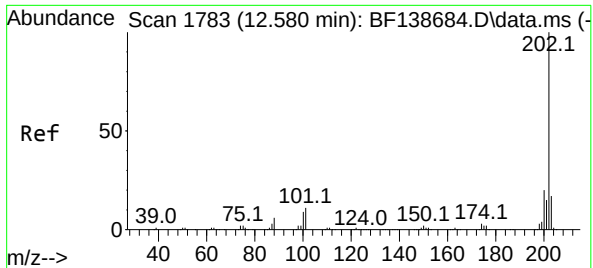
Tgt Ion:167 Resp: 348504
Ion Ratio Lower Upper
167 100
166 22.2 17.2 25.8
139 13.9 10.6 16.0



#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

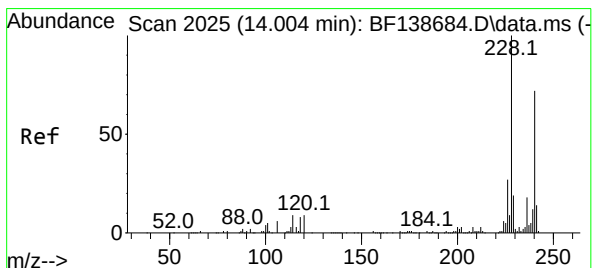
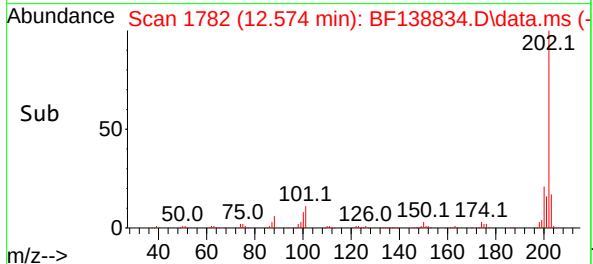
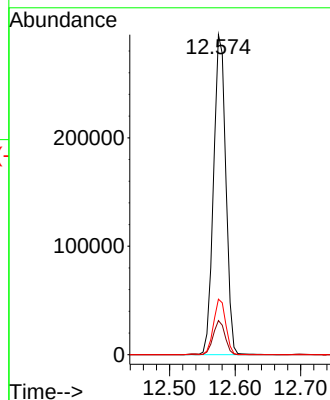
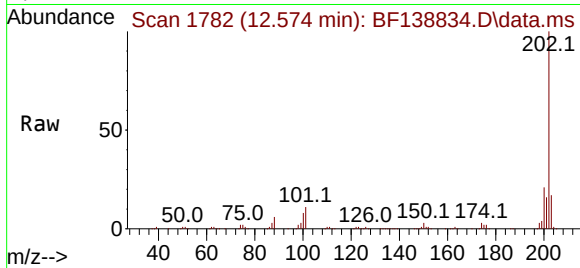




#75
Fluoranthene
Concen: 40.665 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

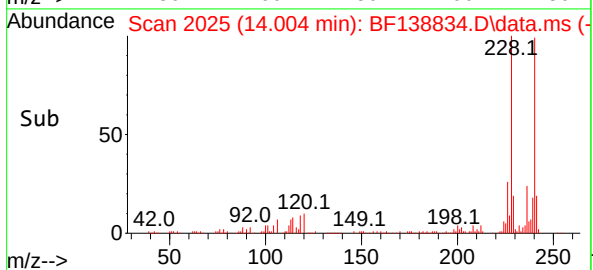
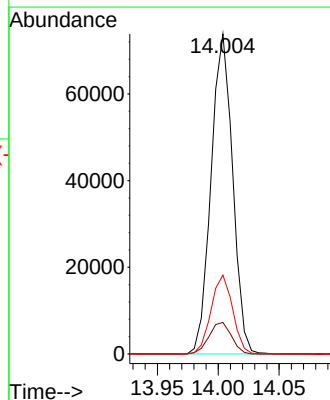
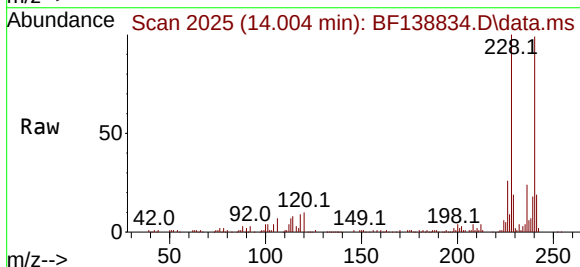
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

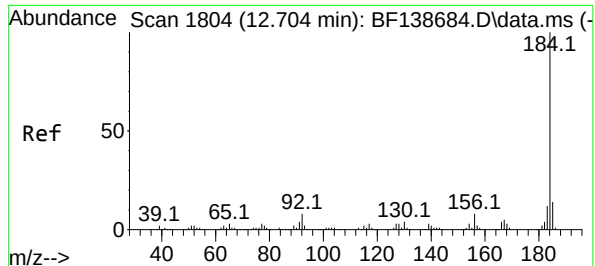
Tgt Ion:202 Resp: 383912
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.2
203 17.4 0.0 37.3



#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

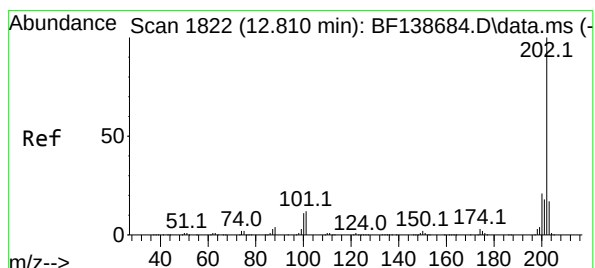
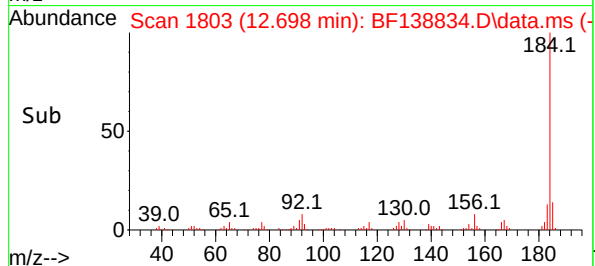
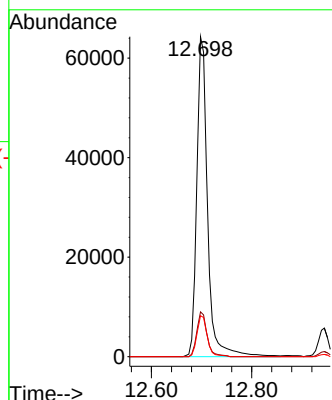
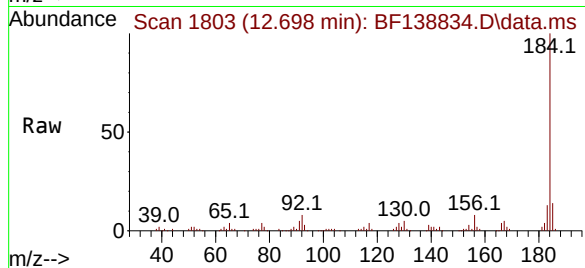
Tgt Ion:184 Resp: 95687

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

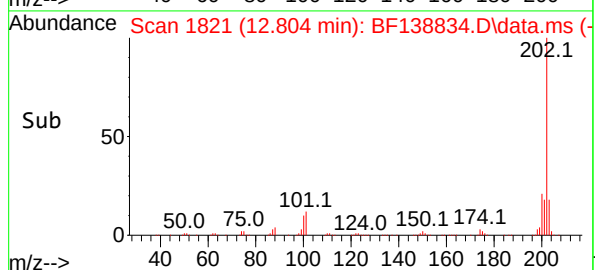
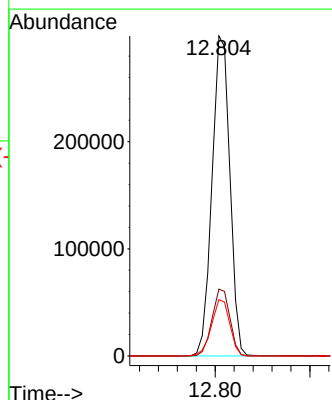
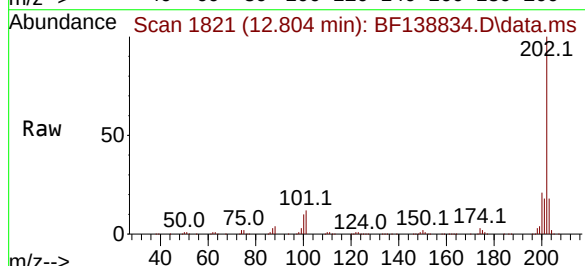
Tgt Ion:202 Resp: 390753

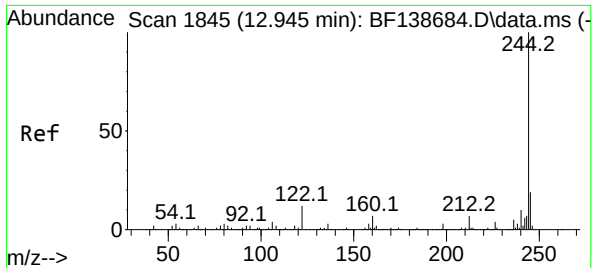
Ion Ratio Lower Upper

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

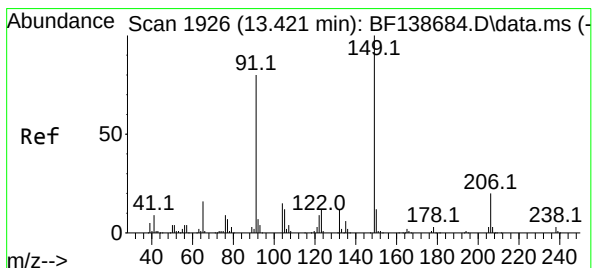
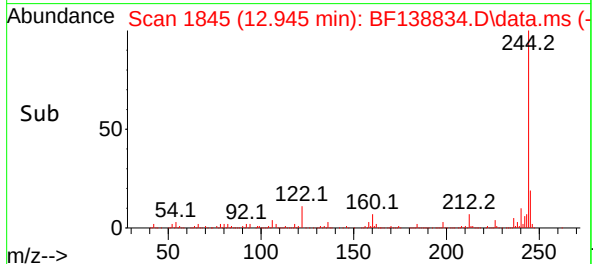
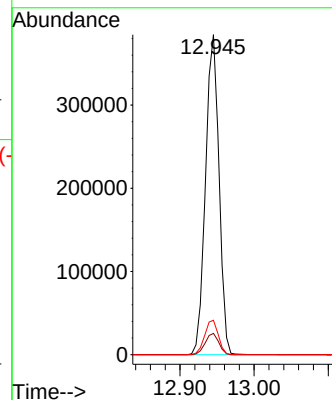
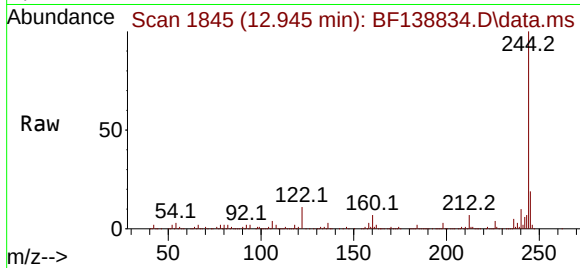
Tgt Ion:244 Resp: 485722

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

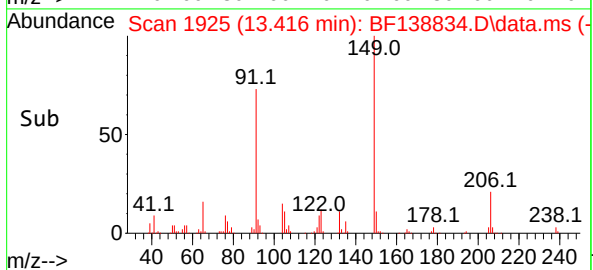
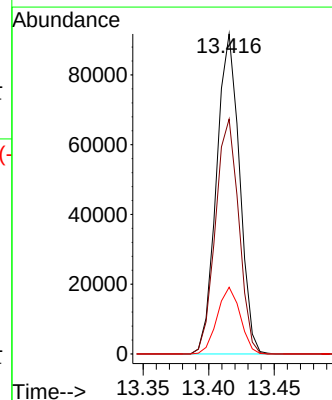
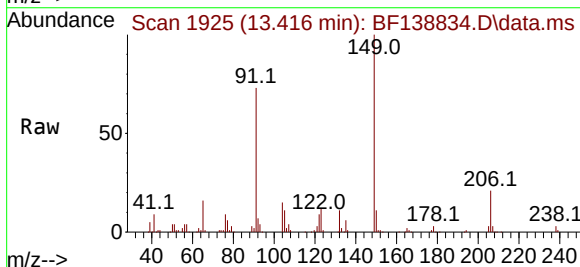
Tgt Ion:149 Resp: 111817

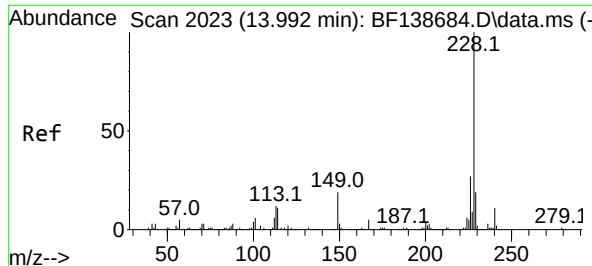
Ion Ratio Lower Upper

149 100

91 73.4 63.7 95.5

206 20.9 16.2 24.2

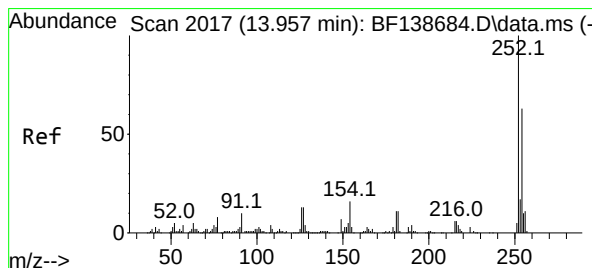
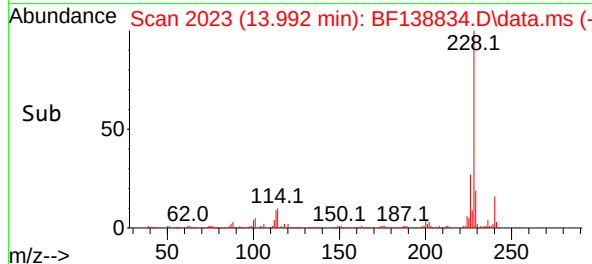
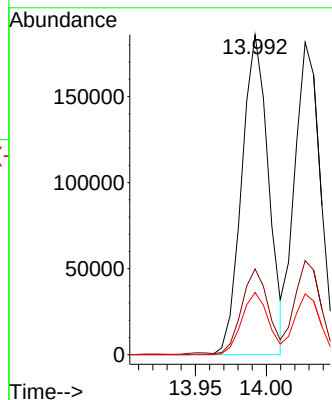
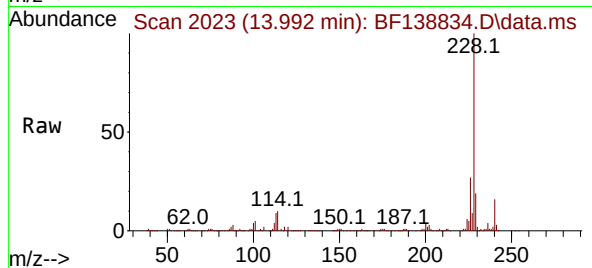




#81
Benzo(a)anthracene
Concen: 39.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

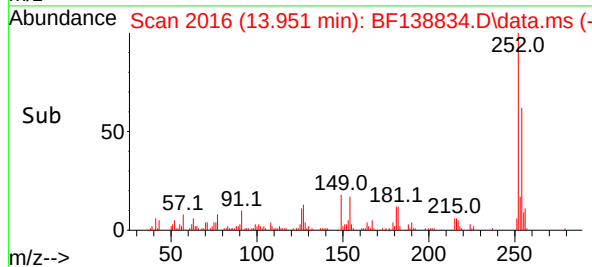
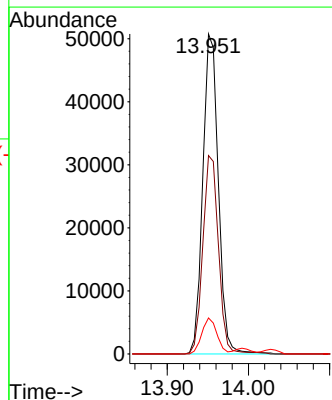
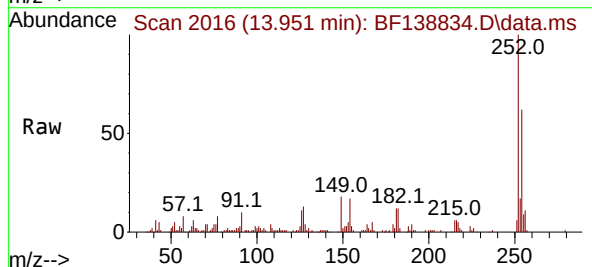
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

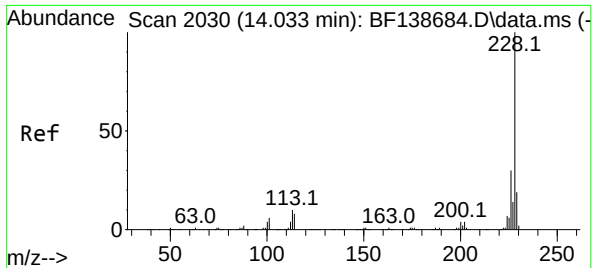
Tgt Ion:228 Resp: 243765
Ion Ratio Lower Upper
228 100
226 26.8 22.1 33.1
229 19.4 15.4 23.0



#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

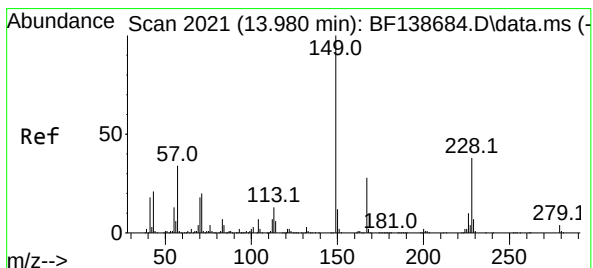
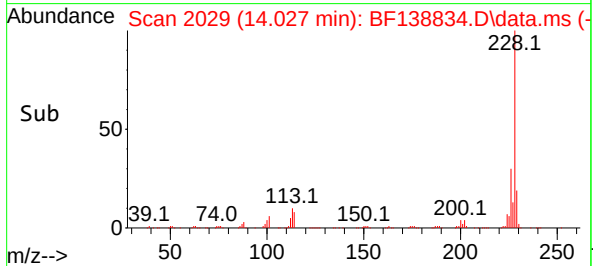
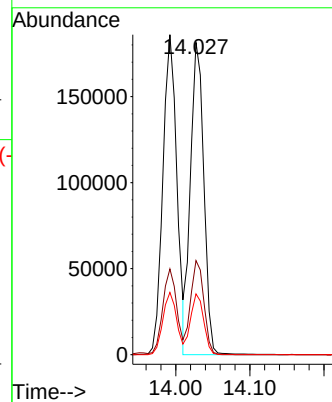
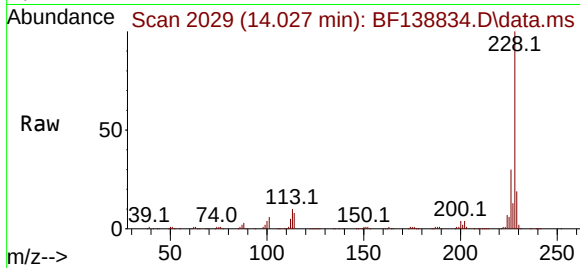




#83
Chrysene
Concen: 40.317 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

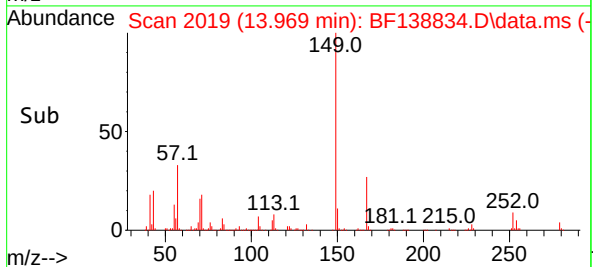
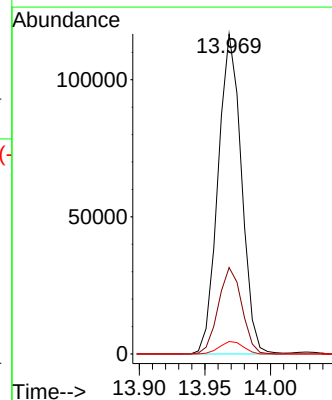
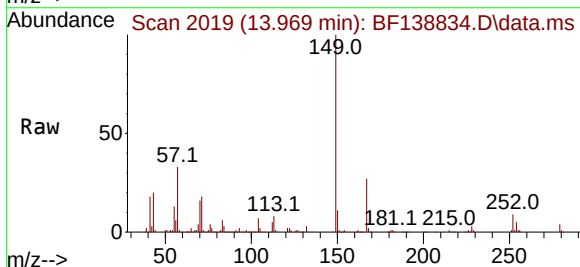
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

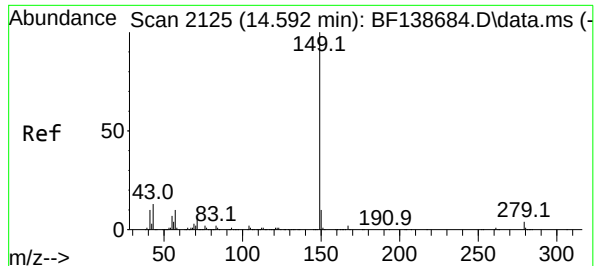
Tgt Ion:228 Resp: 227091
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 19.5 15.0 22.6



#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# 2125

Delta R.T. -0.012 min

Lab File: BF138834.D

Acq: 07 Aug 2024 11:00

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

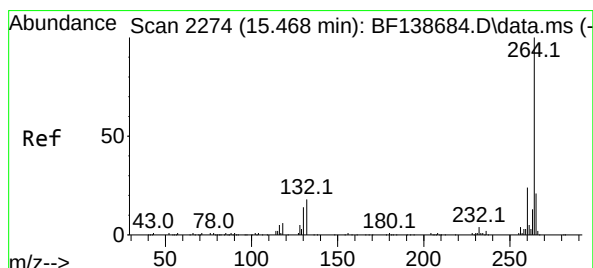
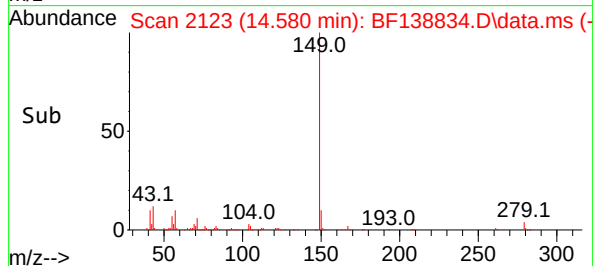
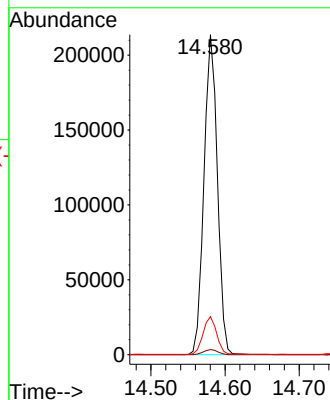
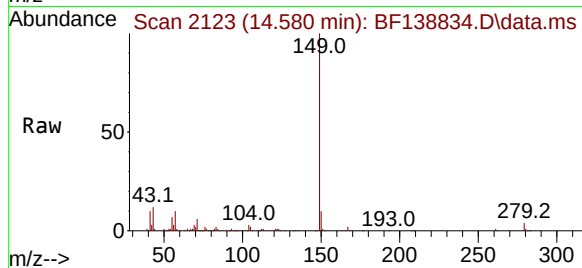
Tgt Ion:149 Resp: 267993

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

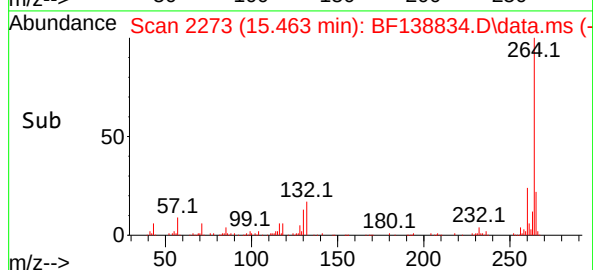
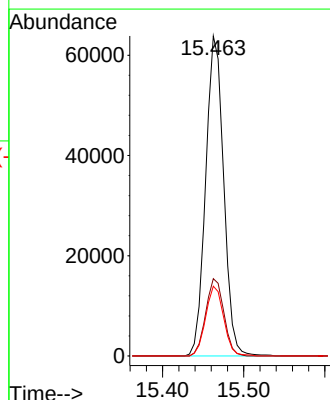
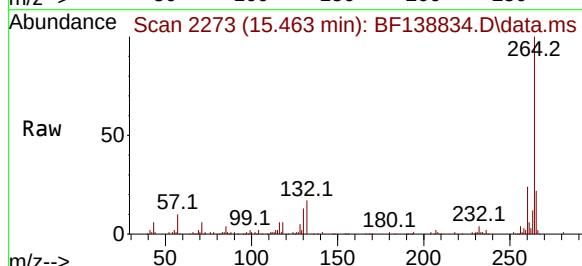
Tgt Ion:264 Resp: 98369

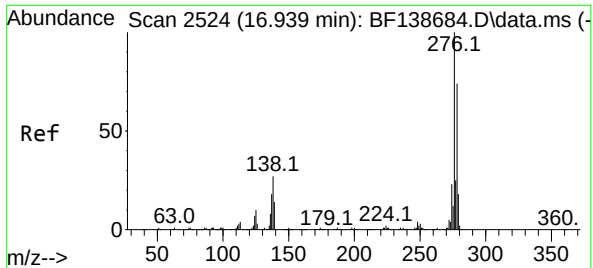
Ion Ratio Lower Upper

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

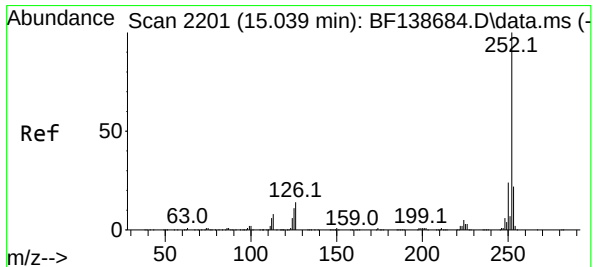
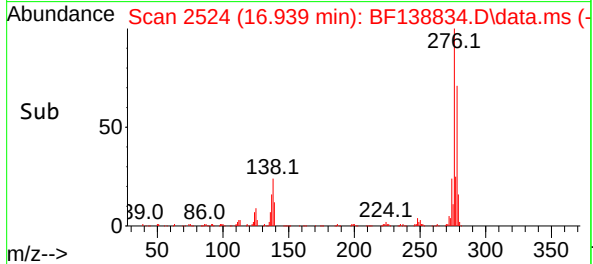
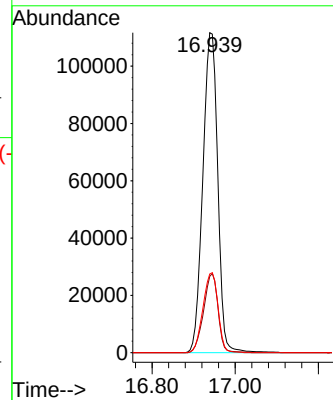
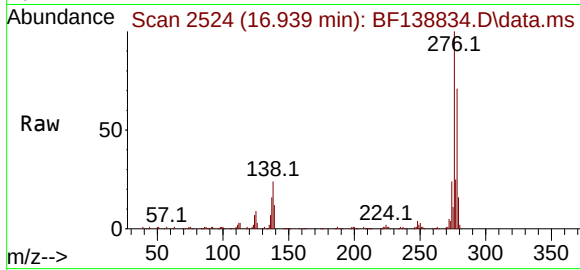
Tgt Ion:276 Resp: 278145

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

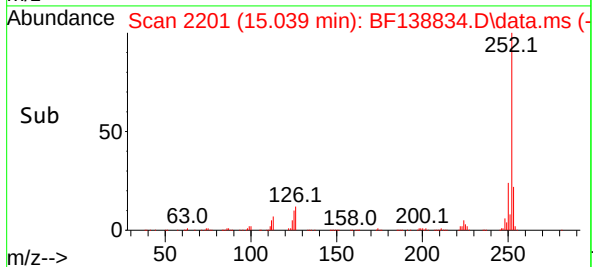
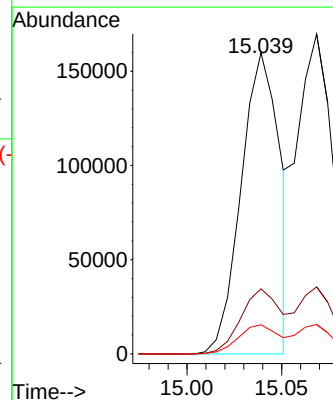
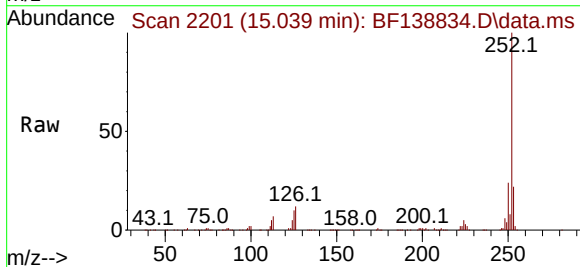
Tgt Ion:252 Resp: 226312

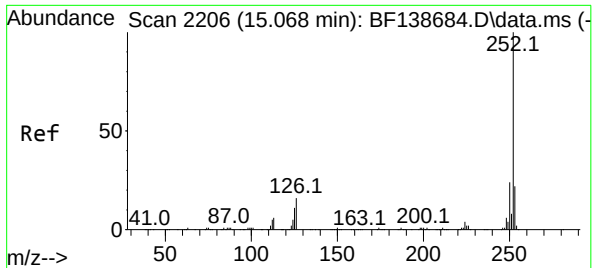
Ion Ratio Lower Upper

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

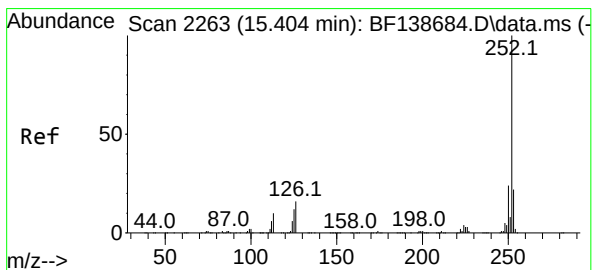
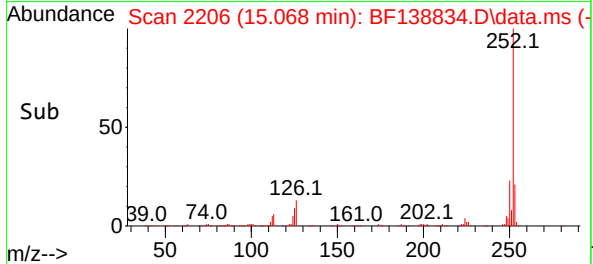
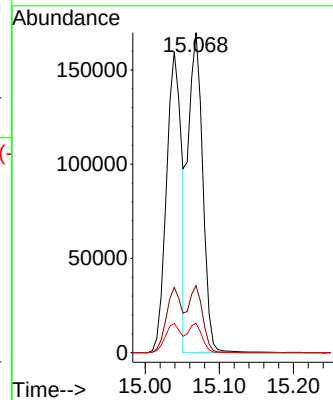
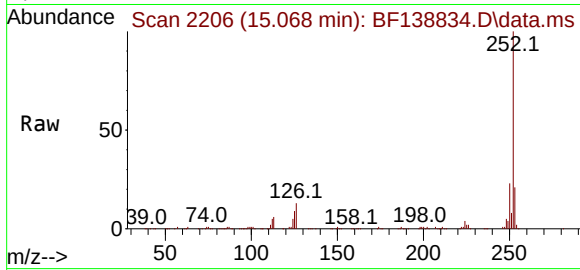
Tgt Ion:252 Resp: 229269

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

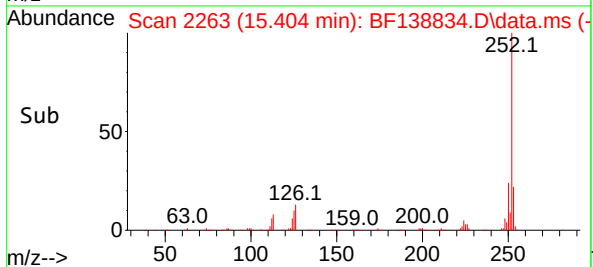
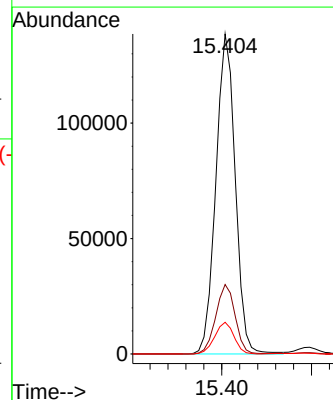
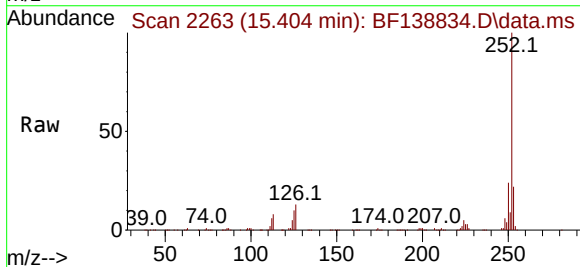
Tgt Ion:252 Resp: 207673

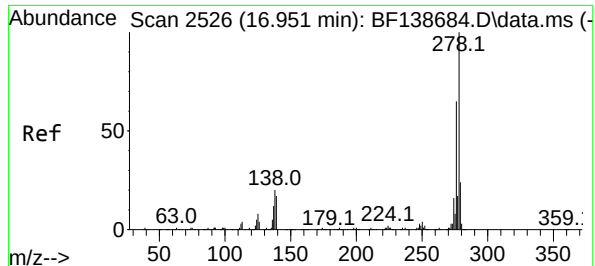
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 9.9 9.5 14.3

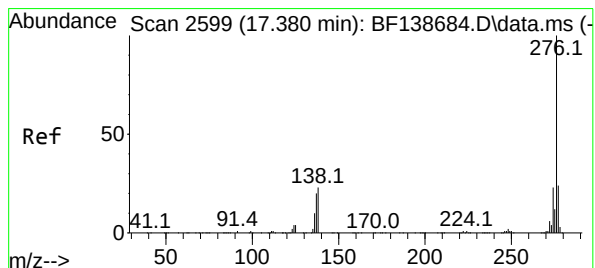
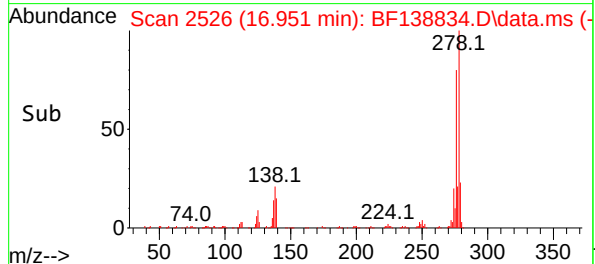
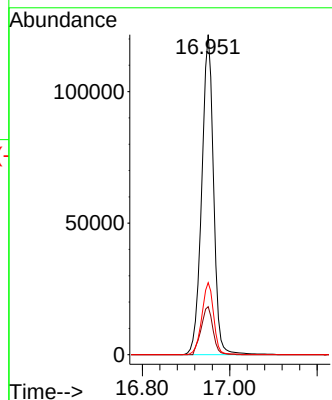
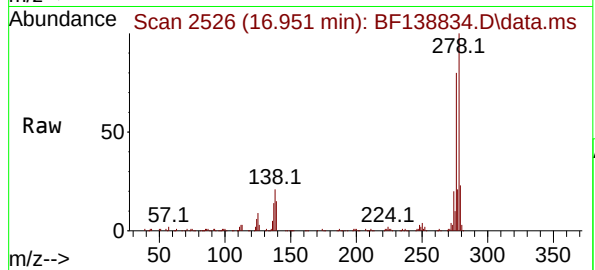




#91
Dibenzo(a,h)anthracene
Concen: 39.608 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138834.D
Acq: 07 Aug 2024 11:00

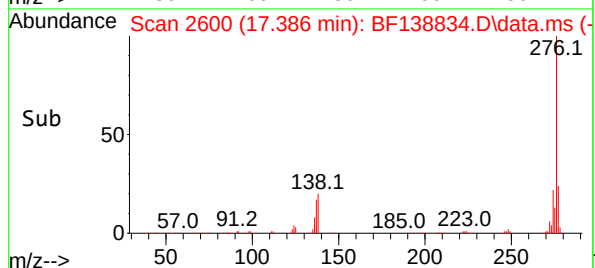
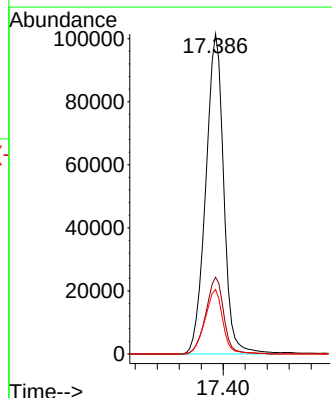
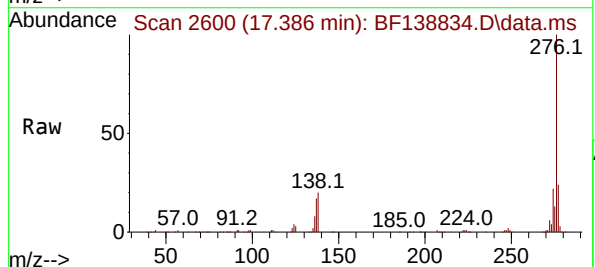
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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)

(#) = 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
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Instrument :
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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
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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	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.: P3440 SAS No.: P3440 SDG No.: P3440

Instrument ID: BNA_F Calibration Date/Time: 08/08/2024 10:19

Lab File ID: BF138856.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	1.221		-11.1	
2-Fluorophenol	1.296	1.292		-0.3	
Benzaldehyde	1.043	0.907		-13.0	
Phenol-d6	1.740	1.701		-2.2	
2-Methylphenol	1.126	1.115		-1.0	
Acetophenone	0.490	0.503		2.7	
3+4-Methylphenols	1.444	1.489		3.1	
Nitrobenzene-d5	0.409	0.419		2.4	
Nitrobenzene	0.416	0.409		-1.7	
2,4-Dichlorophenol	0.275	0.280		1.8	20.0
Naphthalene	1.053	1.039		-1.3	
Hexachlorobutadiene	0.192	0.205		6.8	20.0
2-Methylnaphthalene	0.665	0.668		0.5	
2,4,6-Trichlorophenol	0.339	0.347		2.4	20.0
2-Fluorobiphenyl	1.331	1.429		7.3	
2,4,5-Trichlorophenol	0.370	0.381		3.0	
Acenaphthylene	1.652	1.708		3.4	
Acenaphthene	1.111	1.150		3.5	20.0
Dibenzofuran	1.568	1.630		4.0	
Fluorene	1.249	1.357		8.6	
2,4,6-Tribromophenol	0.164	0.175		6.7	
Hexachlorobenzene	0.224	0.233		4.0	
Pentachlorophenol	0.101	0.114		12.9	20.0
Phenanthrene	1.030	1.049		1.8	
Carbazole	0.875	0.906		3.5	
Di-n-butylphthalate	0.984	1.116		13.4	
Fluoranthene	0.961	0.994		3.4	20.0
Pyrene	1.883	2.073		10.1	
Terphenyl-d14	1.195	1.336		11.8	
Benzo (a) anthracene	1.377	1.425		3.5	
Chrysene	1.243	1.214		-2.3	
Bis (2-ethylhexyl) phthalate	0.883	0.781		-11.6	
Benzo (b) fluoranthene	1.240	1.340		8.1	
Benzo (k) fluoranthene	1.073	1.021		-4.8	
Benzo (a) pyrene	1.043	1.062		1.8	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.384		-3.4	
Dibenzo (a,h) anthracene	1.177	1.124		-4.5	
Benzo (g,h,i) perylene	1.221	1.139		-6.7	
1,4-Dioxane	0.567	0.509		-10.2	20.0



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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: P3440 SAS No.: P3440 SDG No.: P3440
Instrument ID: BNA_F Calibration Date/Time: 08/08/2024 10:19
Lab File ID: BF138856.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-Methylnaphthalene	0.652	0.653		0.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138856.D
 Acq On : 08 Aug 2024 10:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 08 10:41:50 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	53967	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	212450	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	111283	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	192684	20.000	ng	0.00
76) Chrysene-d12	13.998	240	92916	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	95070	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	278834	79.757	ng	0.00
7) Phenol-d6	6.492	99	367243	78.240	ng	0.00
23) Nitrobenzene-d5	7.416	82	355845	81.891	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	77847	85.400	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	635871	85.853	ng	0.00
79) Terphenyl-d14	12.939	244	496369	89.442	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.604	88	54924	35.884	ng	95
3) Pyridine	3.363	79	131809	35.549	ng	96
4) n-Nitrosodimethylamine	3.334	42	97535	44.168	ng	86
6) Aniline	6.510	93	160915	38.441	ng	# 57
8) 2-Chlorophenol	6.634	128	146746	39.896	ng	98
9) Benzaldehyde	6.398	77	97924	34.802	ng	99
10) Phenol	6.504	94	190993	38.647	ng	79
11) bis(2-Chloroethyl)ether	6.581	93	138977	36.544	ng	98
12) 1,3-Dichlorobenzene	6.781	146	164204	39.881	ng	98
13) 1,4-Dichlorobenzene	6.857	146	162328	39.067	ng	98
14) 1,2-Dichlorobenzene	7.016	146	158359	40.780	ng	99
15) Benzyl Alcohol	6.992	79	139652	41.280	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.116	45	219309	33.508	ng	61
17) 2-Methylphenol	7.110	107	120302	39.608	ng	# 90
18) Hexachloroethane	7.351	117	62741	40.113	ng	98
19) n-Nitroso-di-n-propyla...	7.263	70	112206	39.579	ng	100
20) 3+4-Methylphenols	7.263	107	160708	41.239	ng	# 87
22) Acetophenone	7.257	105	213540	41.051	ng	97
24) Nitrobenzene	7.434	77	173921	39.333	ng	98
25) Isophorone	7.669	82	286527	38.616	ng	98
26) 2-Nitrophenol	7.745	139	79531	41.807	ng	98
27) 2,4-Dimethylphenol	7.786	122	91290	40.108	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	168373	37.263	ng	99
29) 2,4-Dichlorophenol	7.992	162	118761	40.605	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	137976	40.879	ng	98
31) Naphthalene	8.145	128	441420	39.473	ng	99
32) Benzoic acid	7.939	122	59362	33.178	ng	92
33) 4-Chloroaniline	8.204	127	145128	38.662	ng	99
34) Hexachlorobutadiene	8.257	225	87302	42.703	ng	98
35) Caprolactam	8.586	113	35306	40.455	ng	97
36) 4-Chloro-3-methylphenol	8.686	107	136891	40.954	ng	98
37) 2-Methylnaphthalene	8.833	142	283639	40.161	ng	100
38) 1-Methylnaphthalene	8.933	142	277617	40.115	ng	98
40) 1,2,4,5-Tetrachloroben...	8.998	216	131999	42.700	ng	100
41) Hexachlorocyclopentadiene	8.980	237	39392	50.917	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	77339	41.033	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138856.D
 Acq On : 08 Aug 2024 10:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

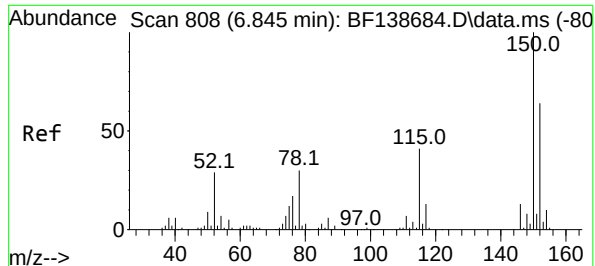
Quant Time: Aug 08 10:41:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	84861	41.185	ng	97
46) 1,1'-Biphenyl	9.298	154	361643	41.494	ng	99
47) 2-Chloronaphthalene	9.328	162	269678	41.604	ng	99
48) 2-Nitroaniline	9.428	65	92549	42.116	ng	98
49) Acenaphthylene	9.739	152	380128	41.348	ng	99
50) Dimethylphthalate	9.604	163	300966	42.297	ng	100
51) 2,6-Dinitrotoluene	9.669	165	70030	43.609	ng	90
52) Acenaphthene	9.910	154	255959	41.418	ng	99
53) 3-Nitroaniline	9.839	138	71090	42.823	ng	97
54) 2,4-Dinitrophenol	9.957	184	33797	45.719	ng	# 85
55) Dibenzofuran	10.080	168	362856	41.594	ng	98
56) 4-Nitrophenol	10.016	139	45406	45.483	ng	94
57) 2,4-Dinitrotoluene	10.075	165	92629	45.211	ng	# 85
58) Fluorene	10.427	166	301924	43.461	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	64636	41.031	ng	96
60) Diethylphthalate	10.298	149	298009	44.170	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	147395	43.140	ng	98
62) 4-Nitroaniline	10.457	138	69035	43.759	ng	86
63) Azobenzene	10.575	77	308782	41.265	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	50853	43.259	ng	98
66) n-Nitrosodiphenylamine	10.539	169	243028	40.351	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	85143	40.813	ng	100
68) Hexachlorobenzene	10.969	284	89832	41.705	ng	99
69) Atrazine	11.063	200	58539	37.672	ng	98
70) Pentachlorophenol	11.174	266	43766	45.078	ng	98
71) Phenanthrene	11.386	178	404081	40.727	ng	100
72) Anthracene	11.439	178	402953	41.226	ng	99
73) Carbazole	11.598	167	349333	41.426	ng	99
74) Di-n-butylphthalate	11.916	149	430048	45.365	ng	99
75) Fluoranthene	12.574	202	383248	41.376	ng	98
77) Benzidine	12.698	184	91997	41.396	ng	99
78) Pyrene	12.804	202	385224	44.034	ng	100
80) Butylbenzylphthalate	13.410	149	118729	42.381	ng	99
81) Benzo(a)anthracene	13.986	228	264825	41.389	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	67560	41.261	ng	99
83) Chrysene	14.027	228	225563	39.075	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	145125	35.377	ng	98
85) Di-n-octyl phthalate	14.574	149	247495	32.609	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	263241	38.638	ng	96
88) Benzo(b)fluoranthene	15.033	252	254851	43.243	ng	98
89) Benzo(k)fluoranthene	15.062	252	194191	38.057	ng	99
90) Benzo(a)pyrene	15.398	252	202016	40.752	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	213635	38.199	ng	99
92) Benzo(g,h,i)perylene	17.374	276	216487	37.303	ng	96

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

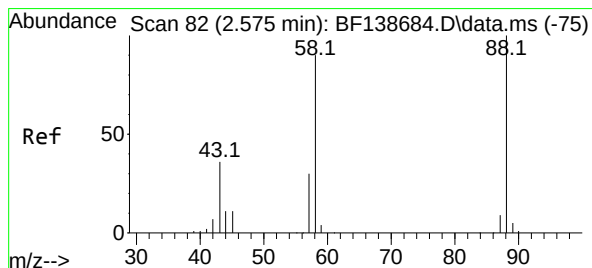
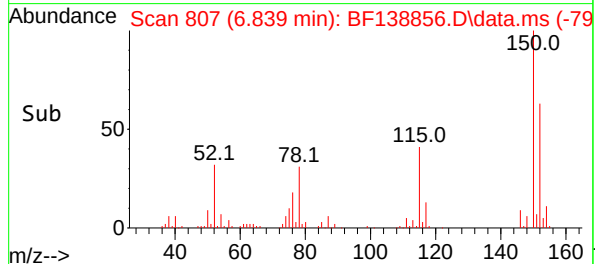
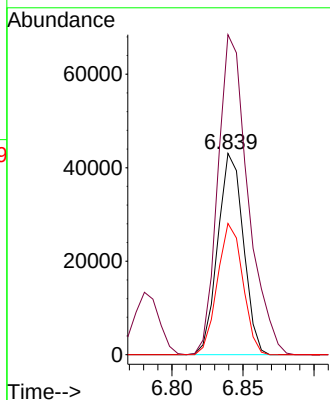
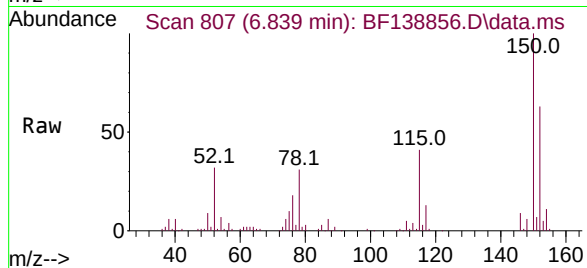
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

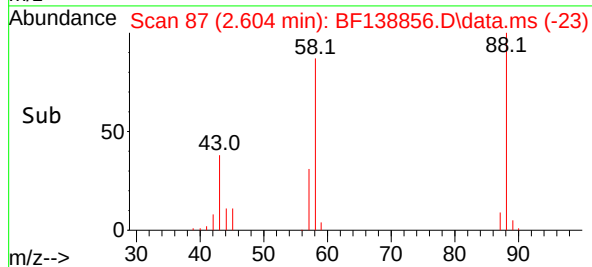
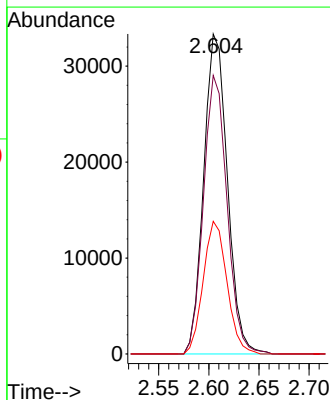
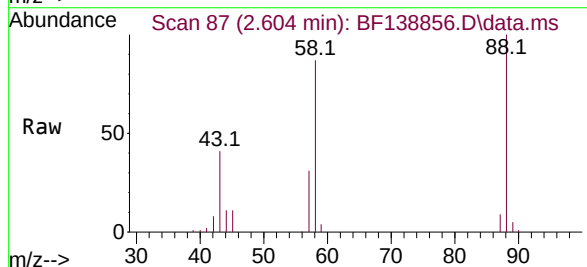
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ClientSampleId :
SSTDCCC040

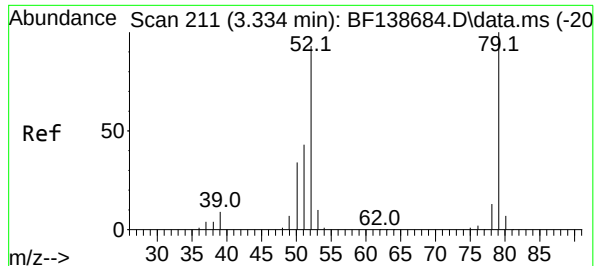
Tgt Ion:152 Resp: 53967
Ion Ratio Lower Upper
152 100
150 159.0 126.0 189.0
115 65.2 51.7 77.5



#2
1,4-Dioxane
Concen: 35.884 ng
RT: 2.604 min Scan# 87
Delta R.T. 0.029 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion: 88 Resp: 54924
Ion Ratio Lower Upper
88 100
58 86.6 71.6 107.4
43 41.4 28.7 43.1





#3

Pyridine

Concen: 35.549 ng

RT: 3.363 min Scan# 211

Delta R.T. 0.029 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

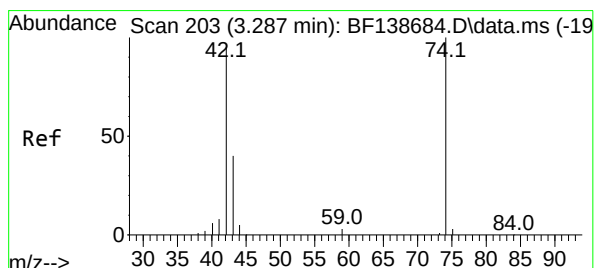
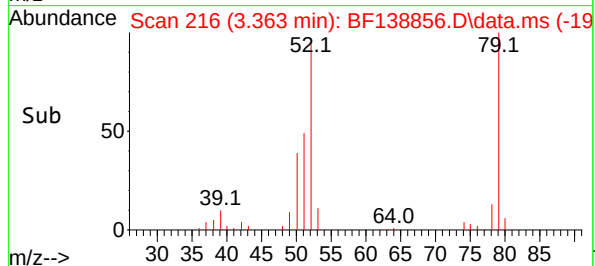
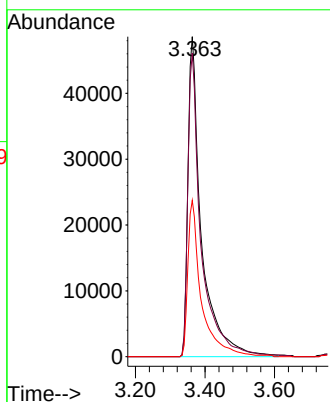
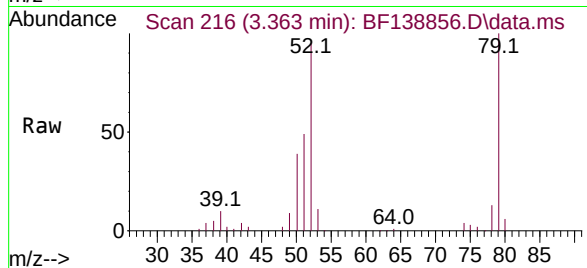
Tgt Ion: 79 Resp: 131809

Ion Ratio Lower Upper

79 100

52 94.9 74.7 112.1

51 48.8 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 44.168 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.047 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

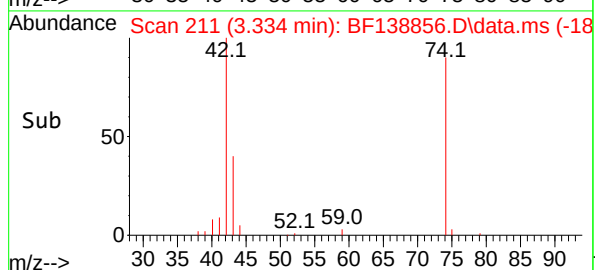
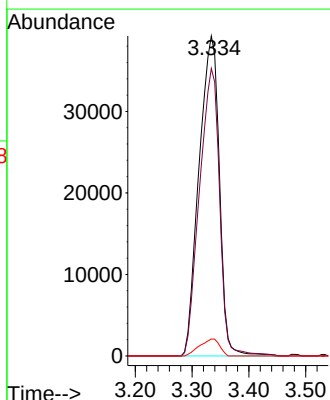
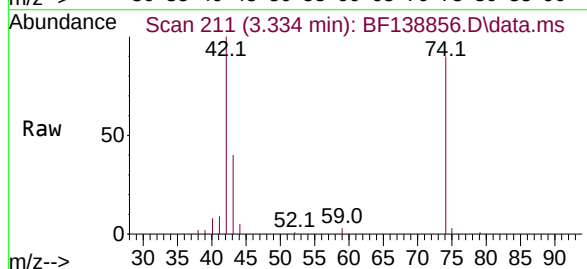
Tgt Ion: 42 Resp: 97535

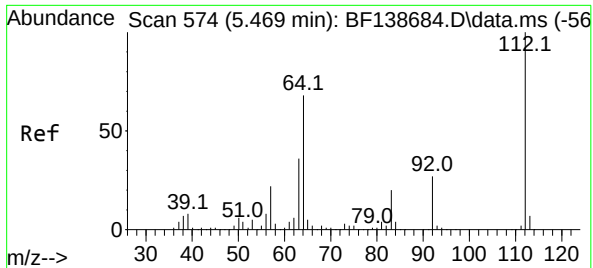
Ion Ratio Lower Upper

42 100

74 89.9 84.2 126.4

44 5.3 4.9 7.3

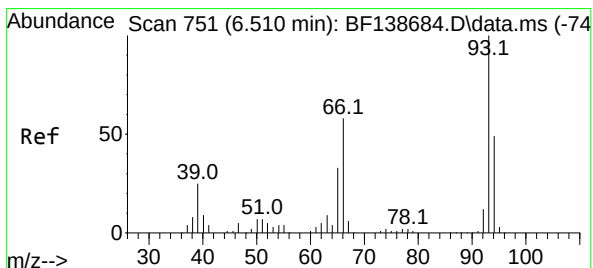
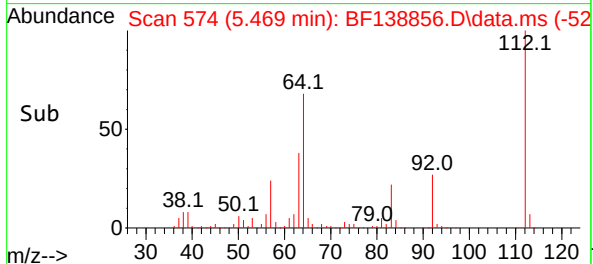
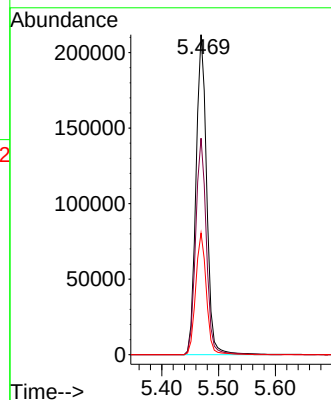
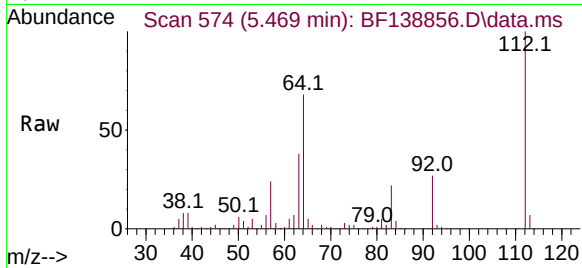




#5
2-Fluorophenol
Concen: 79.757 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

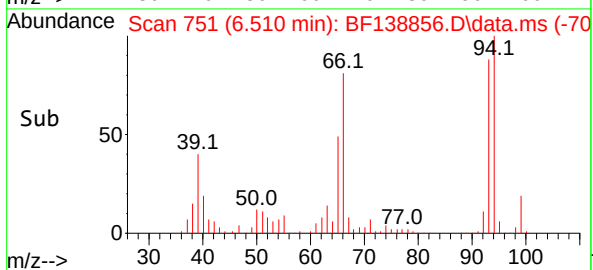
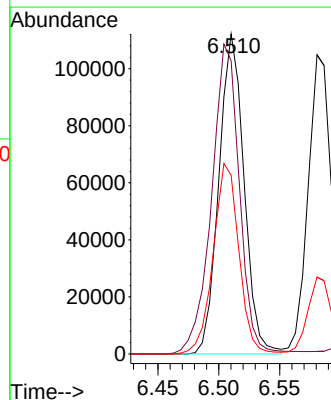
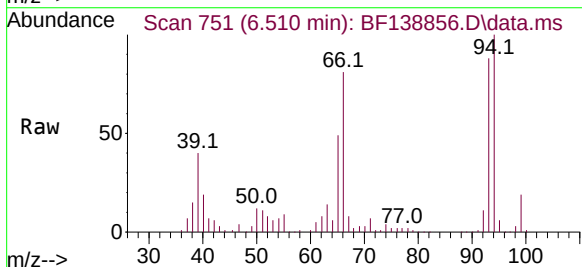
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

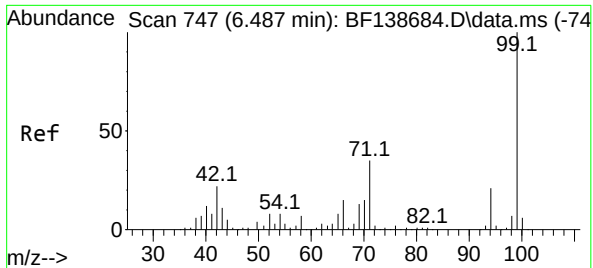
Tgt Ion:112 Resp: 278834
Ion Ratio Lower Upper
112 100
64 67.7 54.2 81.4
63 38.0 28.7 43.1



#6
Aniline
Concen: 38.441 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion: 93 Resp: 160915
Ion Ratio Lower Upper
93 100
66 91.6 46.9 70.3#
65 55.9 26.5 39.7#

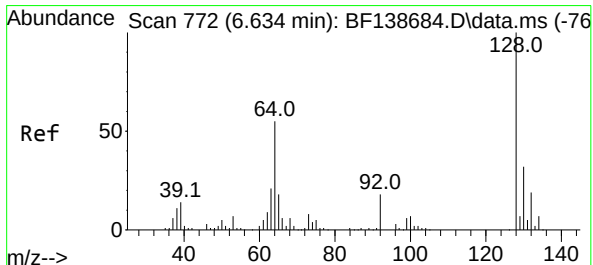
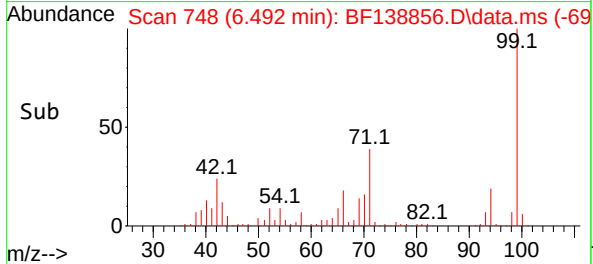
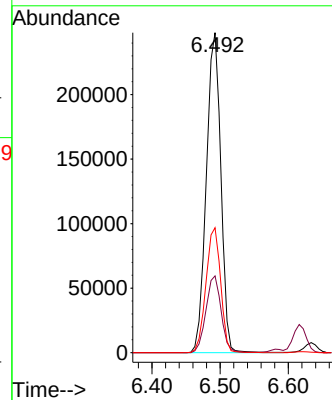
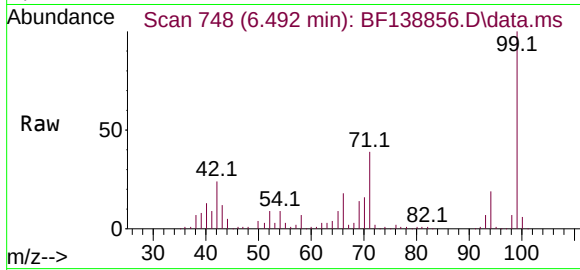




#7
Phenol-d6
Concen: 78.240 ng
RT: 6.492 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

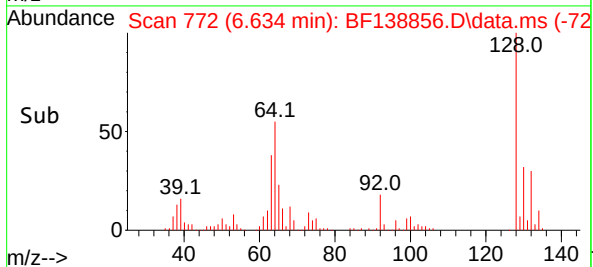
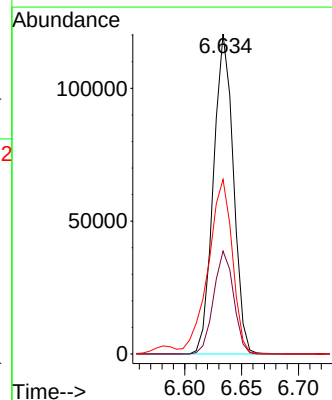
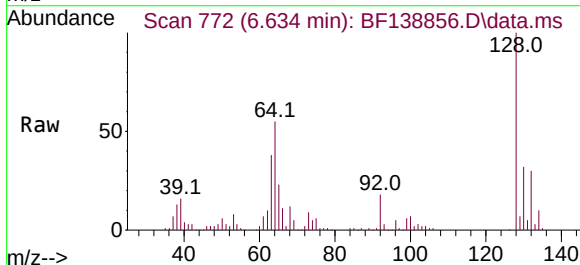
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

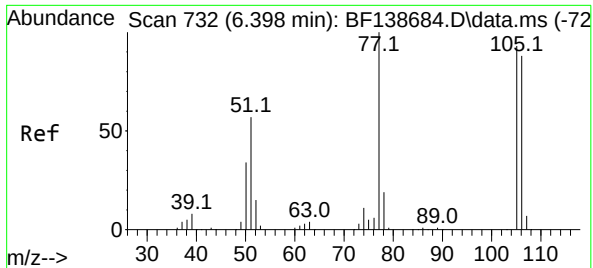
Tgt Ion: 99 Resp: 367243
Ion Ratio Lower Upper
99 100
42 24.0 17.4 26.0
71 39.0 28.1 42.1



#8
2-Chlorophenol
Concen: 39.896 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion: 128 Resp: 146746
Ion Ratio Lower Upper
128 100
130 32.1 12.0 52.0
64 54.5 36.3 76.3





#9

Benzaldehyde

Concen: 34.802 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

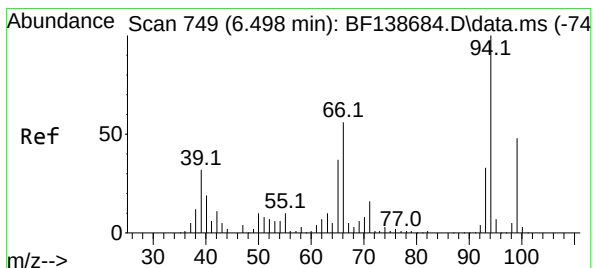
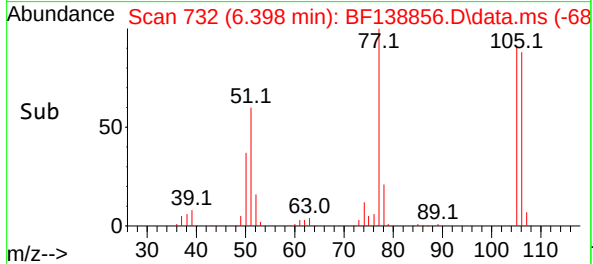
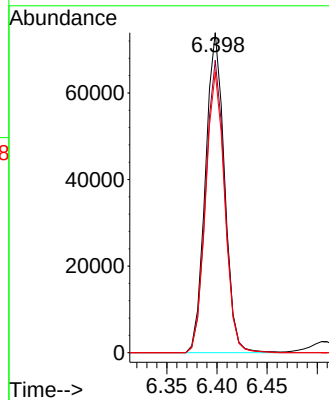
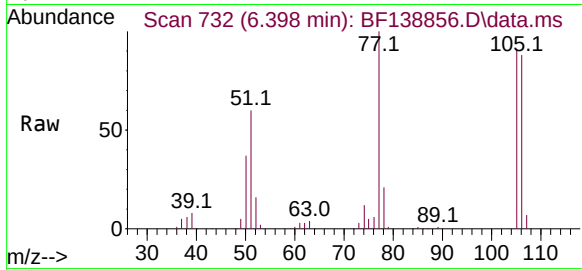
Tgt Ion: 77 Resp: 97924

Ion Ratio Lower Upper

77 100

105 91.3 72.9 112.9

106 87.6 68.4 108.4



#10

Phenol

Concen: 38.647 ng

RT: 6.504 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

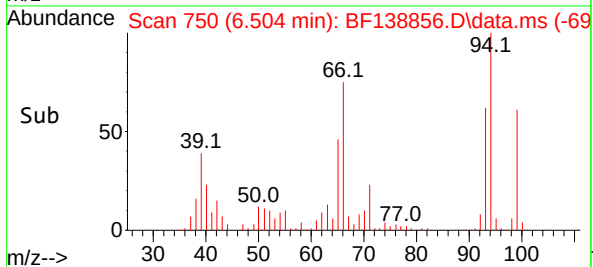
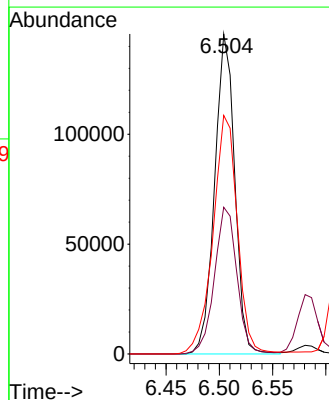
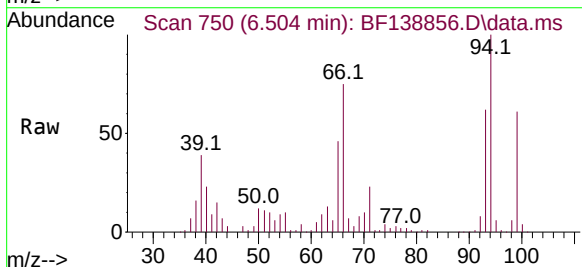
Tgt Ion: 94 Resp: 190993

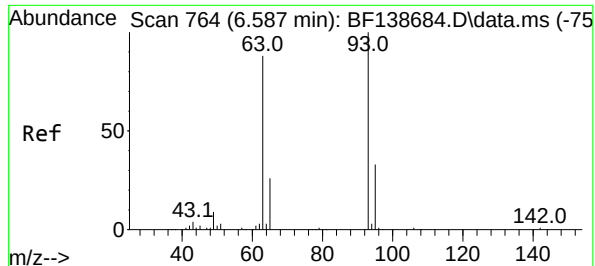
Ion Ratio Lower Upper

94 100

65 45.8 16.9 56.9

66 74.5 36.5 76.5

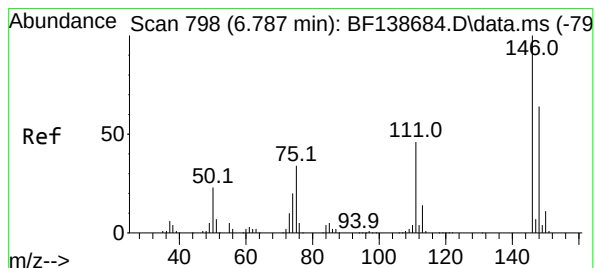
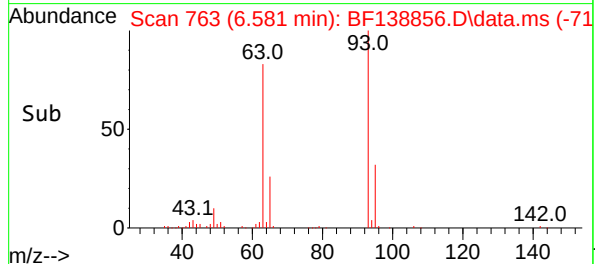
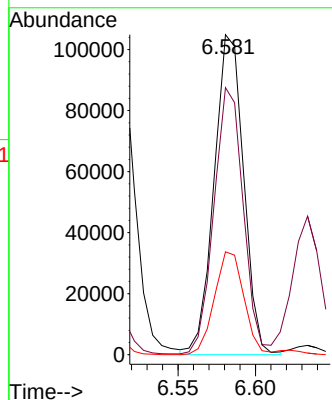
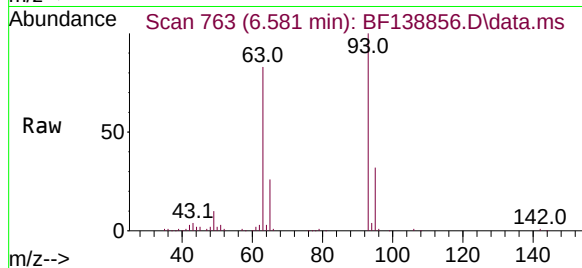




#11
bis(2-Chloroethyl)ether
Concen: 36.544 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

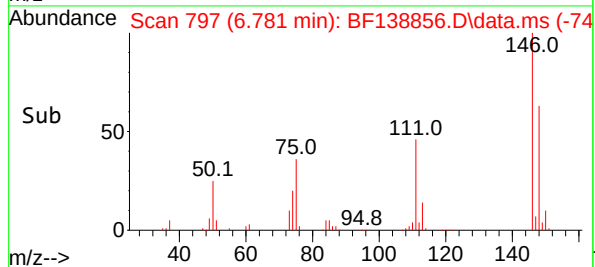
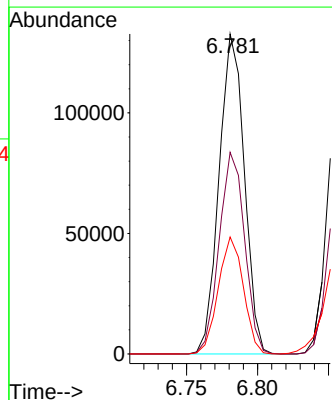
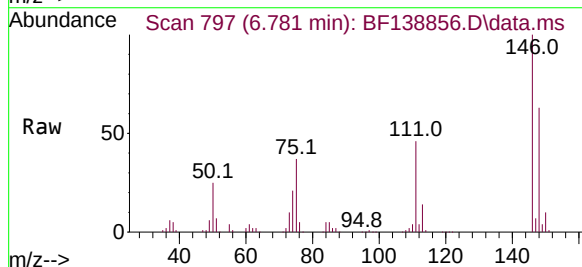
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

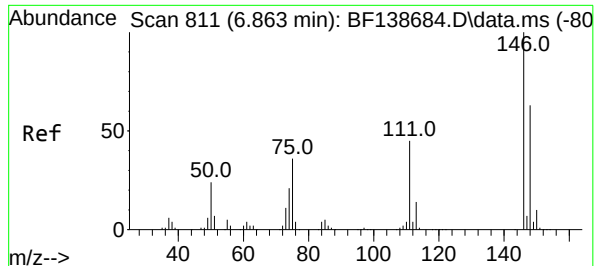
Tgt Ion: 93 Resp: 138977
Ion Ratio Lower Upper
93 100
63 83.4 65.3 105.3
95 32.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.881 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion: 146 Resp: 164204
Ion Ratio Lower Upper
146 100
148 63.0 51.2 76.8
75 36.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.067 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

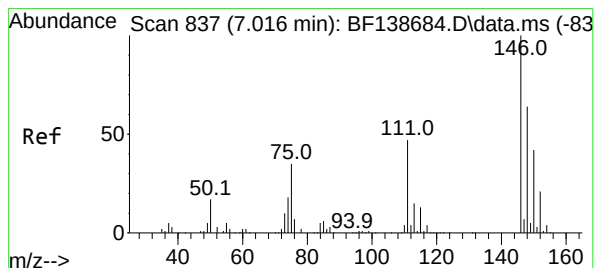
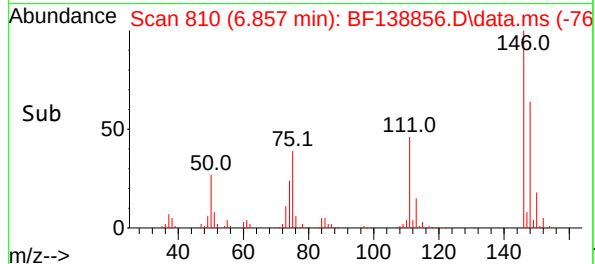
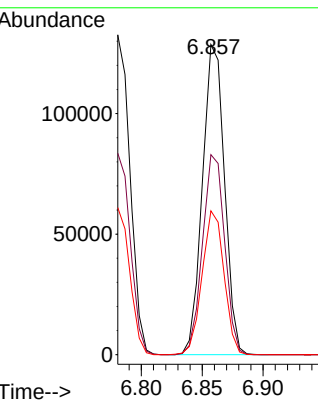
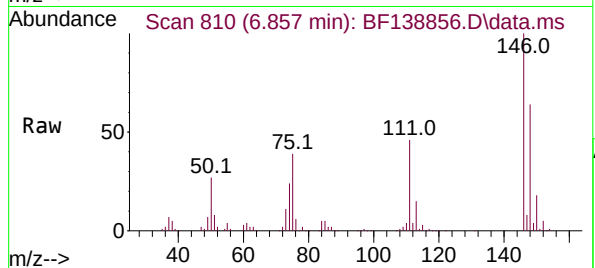
Tgt Ion:146 Resp: 162328

Ion Ratio Lower Upper

146 100

148 64.5 50.2 75.2

111 46.4 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 40.780 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

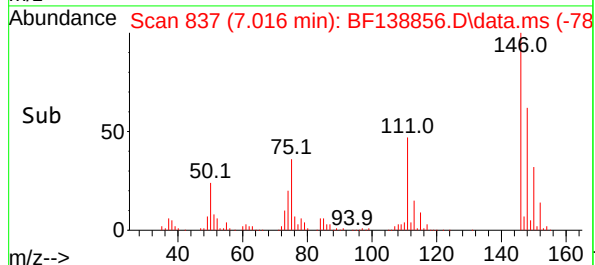
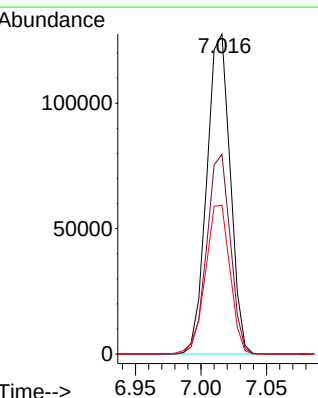
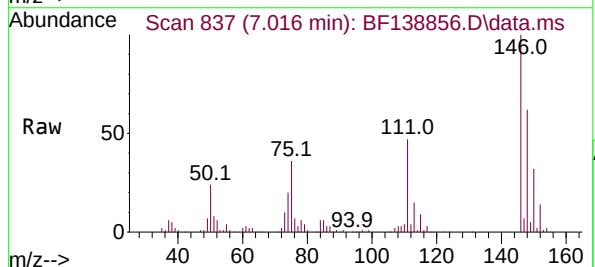
Tgt Ion:146 Resp: 158359

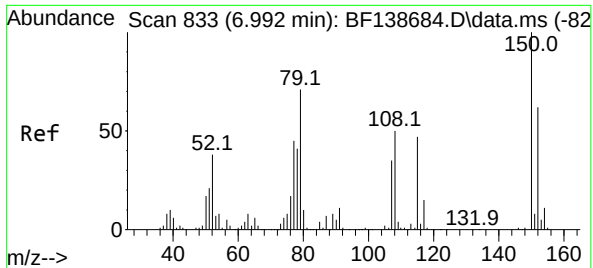
Ion Ratio Lower Upper

146 100

148 62.3 50.8 76.2

111 46.5 37.4 56.2

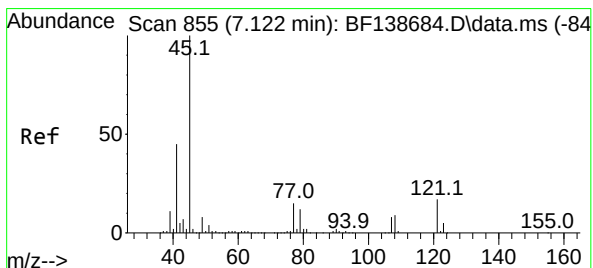
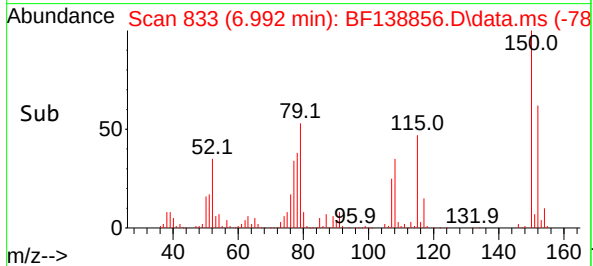
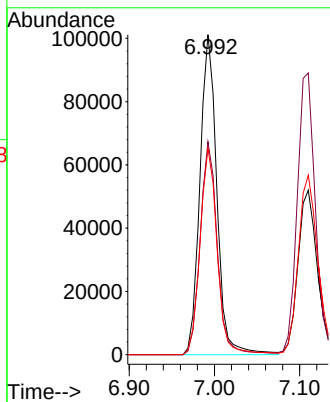
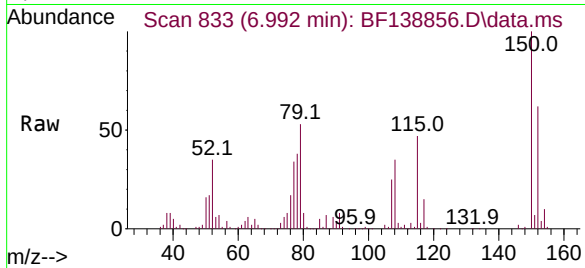




#15
Benzyl Alcohol
Concen: 41.280 ng
RT: 6.992 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

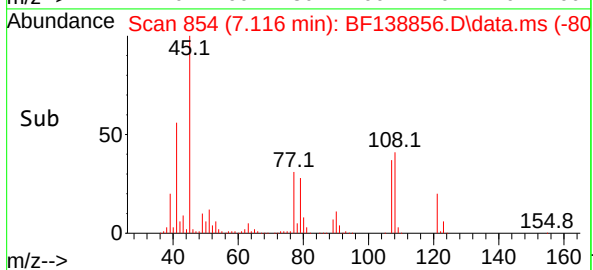
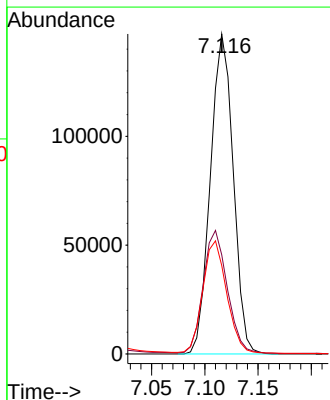
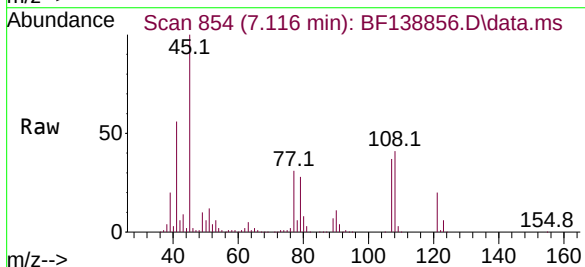
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

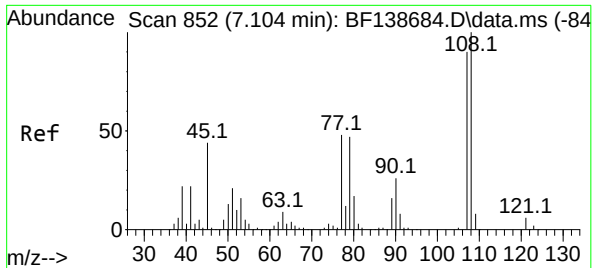
Tgt Ion: 79 Resp: 139652
Ion Ratio Lower Upper
79 100
108 66.5 56.6 85.0
77 64.4 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.508 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion: 45 Resp: 219309
Ion Ratio Lower Upper
45 100
77 31.0 0.0 34.9
79 27.7 0.0 32.2

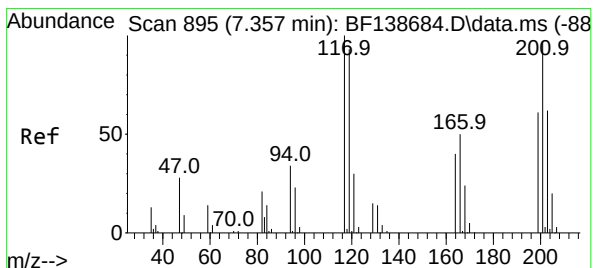
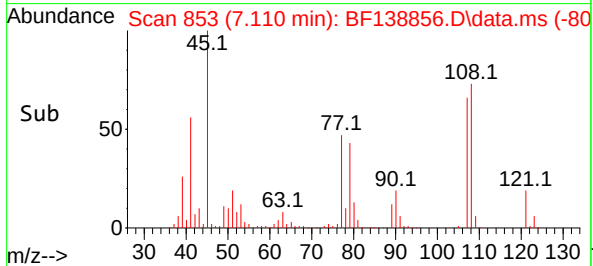
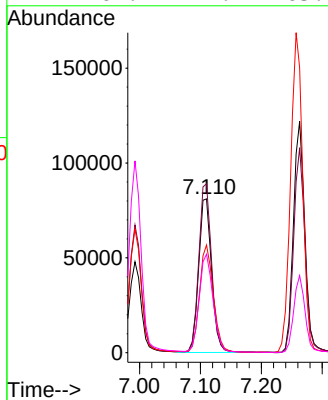
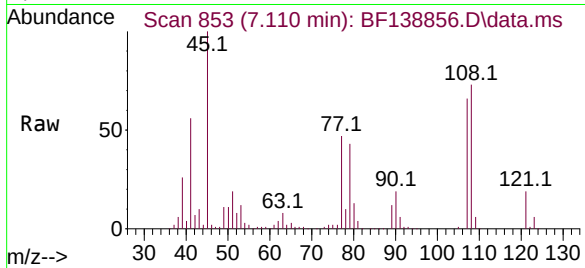




#17
2-Methylphenol
Concen: 39.608 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

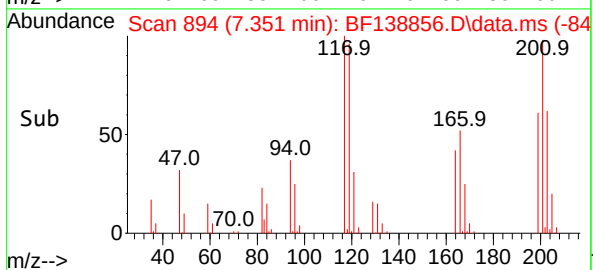
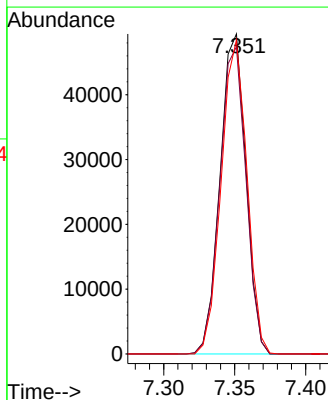
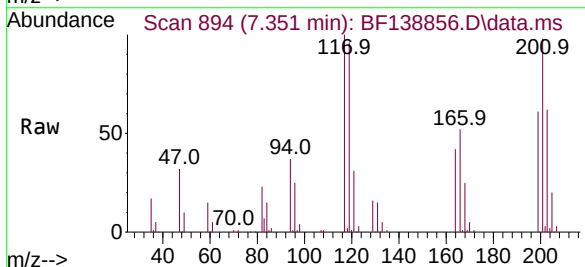
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

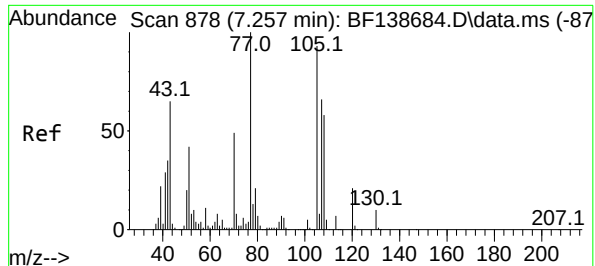
Tgt Ion:107 Resp: 120302
Ion Ratio Lower Upper
107 100
108 109.9 89.2 133.8
77 70.0 43.0 64.4#
79 64.1 42.2 63.2#



#18
Hexachloroethane
Concen: 40.113 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:117 Resp: 62741
Ion Ratio Lower Upper
117 100
119 96.0 74.6 111.8
201 98.2 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 39.579 ng

RT: 7.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 112206

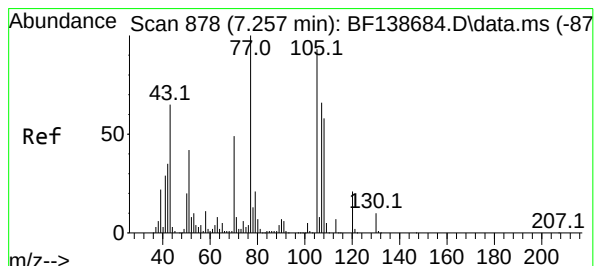
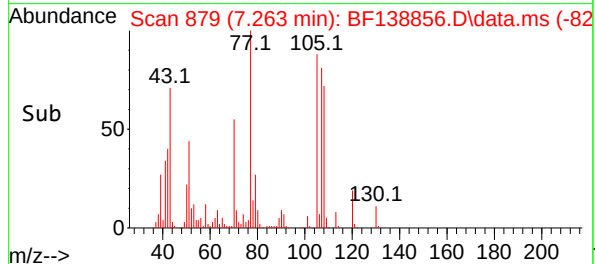
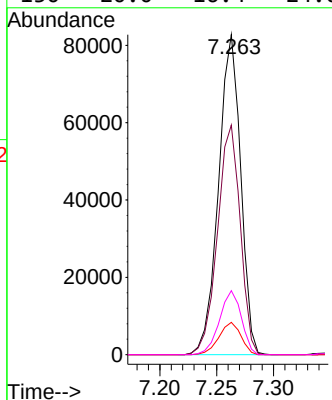
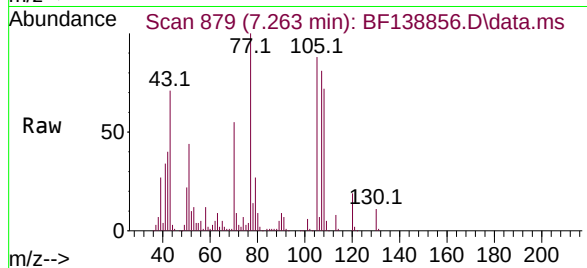
Ion Ratio Lower Upper

70 100

42 71.8 57.4 86.0

101 10.1 7.5 11.3

130 20.0 16.4 24.6



#20

3+4-Methylphenols

Concen: 41.239 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Tgt Ion:107 Resp: 160708

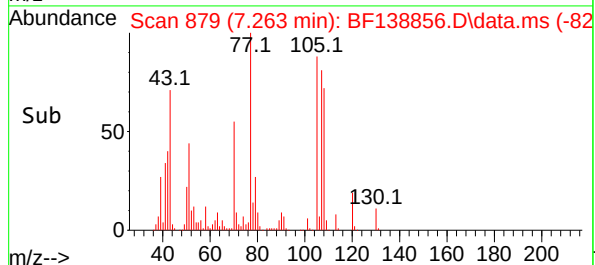
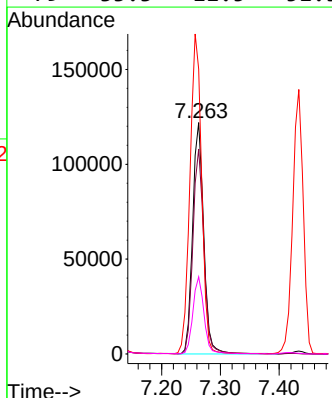
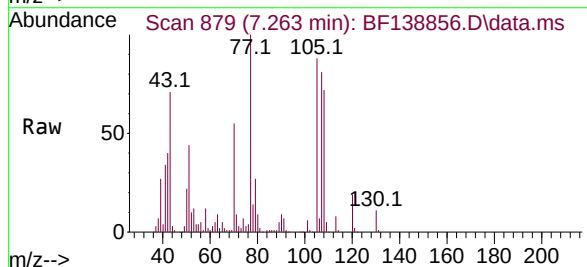
Ion Ratio Lower Upper

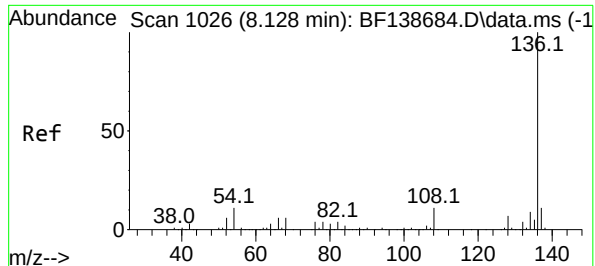
107 100

108 88.6 68.2 108.2

77 123.1 132.1 172.1#

79 33.3 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: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 212450

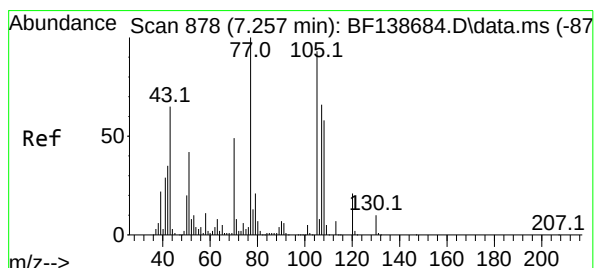
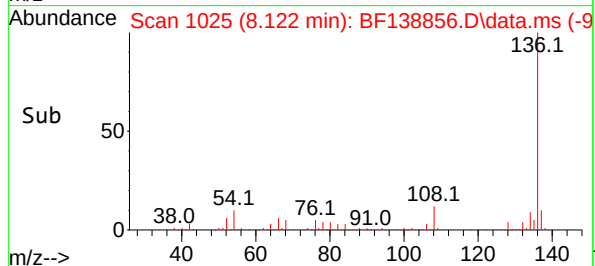
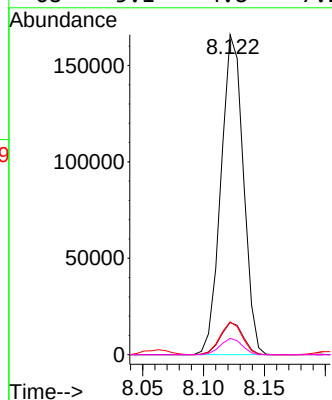
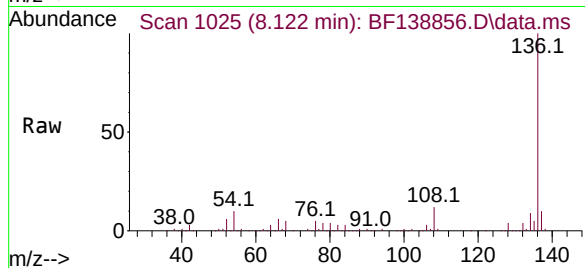
Ion Ratio Lower Upper

136 100

137 10.1 8.9 13.3

54 10.2 8.6 12.8

68 5.1 4.8 7.2



#22

Acetophenone

Concen: 41.051 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Tgt Ion:105 Resp: 213540

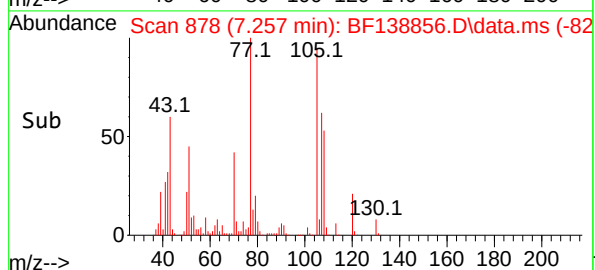
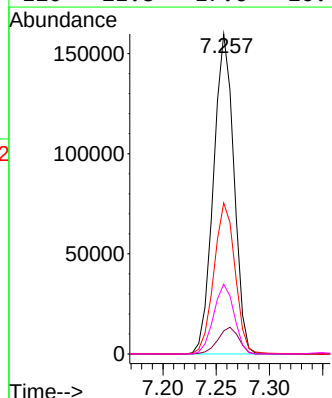
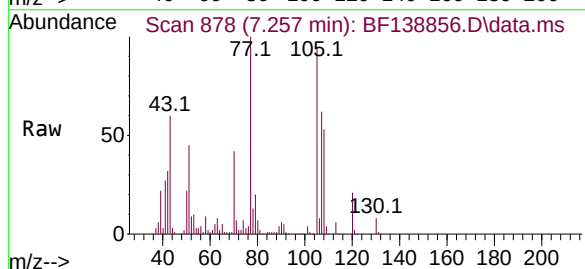
Ion Ratio Lower Upper

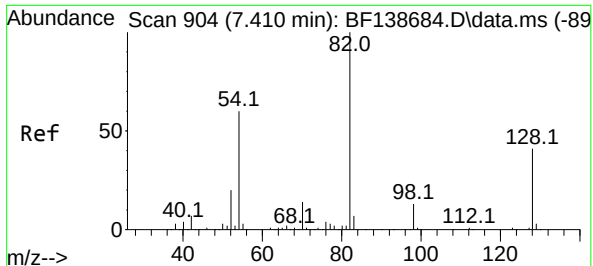
105 100

71 7.2 7.2 10.8

51 47.2 35.9 53.9

120 21.8 17.6 26.4





#23

Nitrobenzene-d5

Concen: 81.891 ng

RT: 7.416 min Scan# 904

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

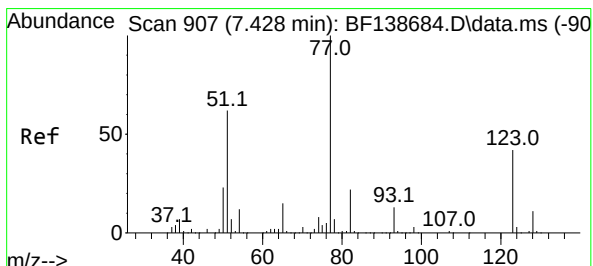
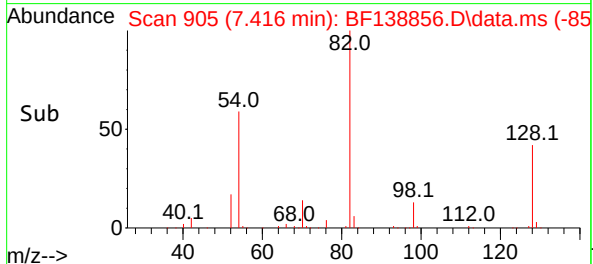
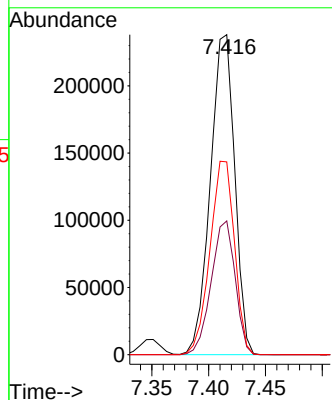
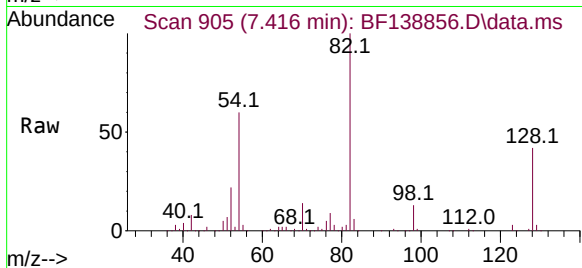
Tgt Ion: 82 Resp: 355845

Ion Ratio Lower Upper

82 100

128 41.8 32.8 49.2

54 60.2 48.3 72.5



#24

Nitrobenzene

Concen: 39.333 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

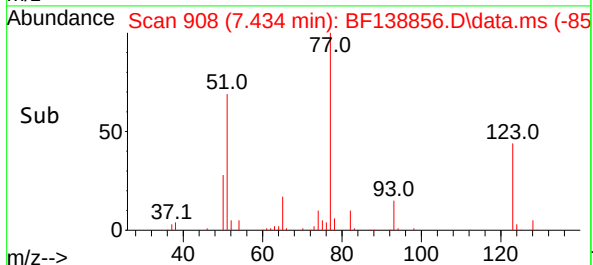
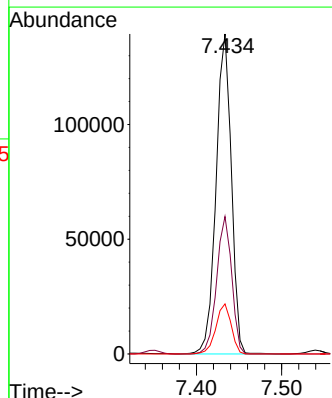
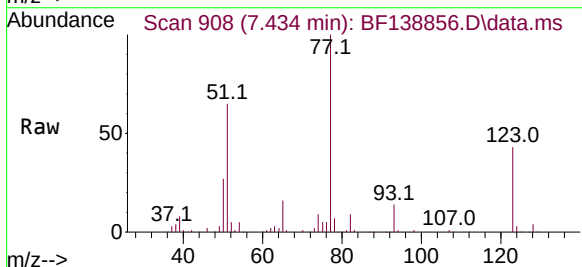
Tgt Ion: 77 Resp: 173921

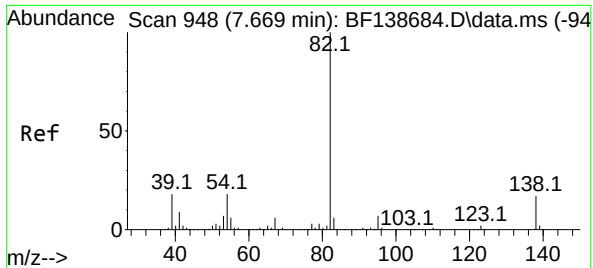
Ion Ratio Lower Upper

77 100

123 43.0 33.3 49.9

65 15.6 11.9 17.9

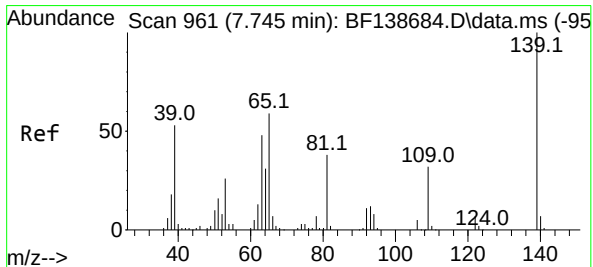
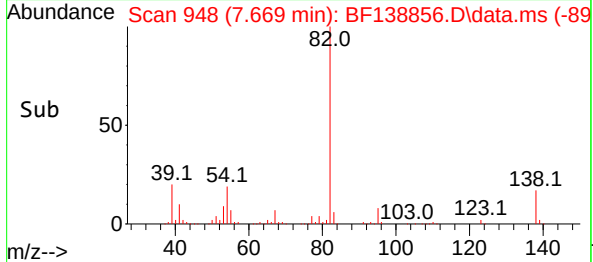
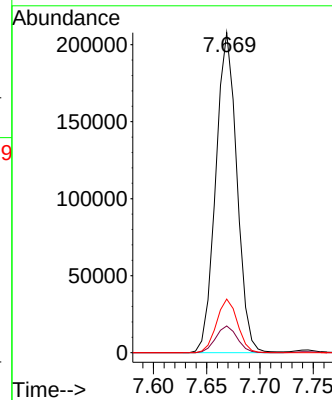
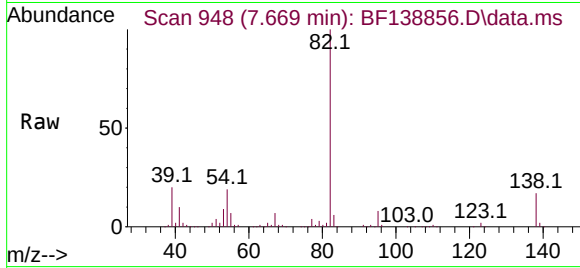




#25
Isophorone
Concen: 38.616 ng
RT: 7.669 min Scan# 948
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

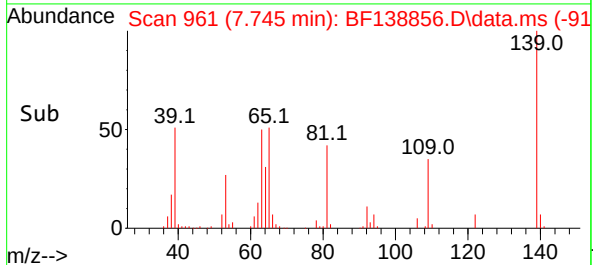
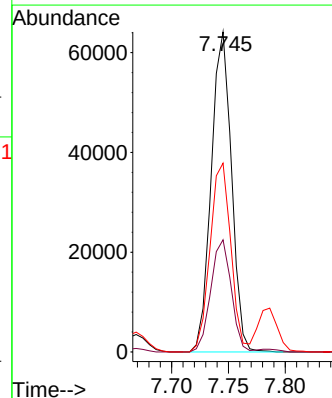
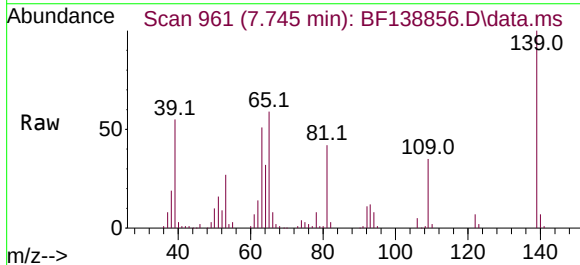
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

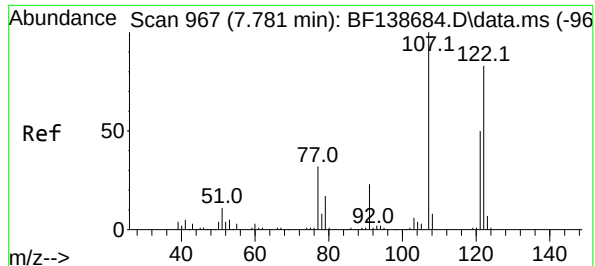
Tgt Ion: 82 Resp: 286527
Ion Ratio Lower Upper
82 100
95 8.4 5.7 8.5
138 16.8 13.7 20.5



#26
2-Nitrophenol
Concen: 41.807 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion: 139 Resp: 79531
Ion Ratio Lower Upper
139 100
109 35.1 25.9 38.9
65 59.0 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 40.108 ng

RT: 7.786 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

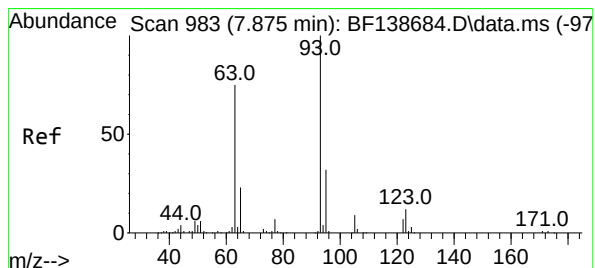
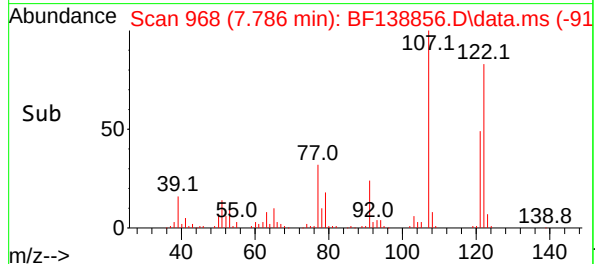
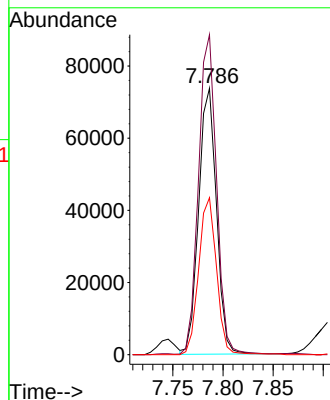
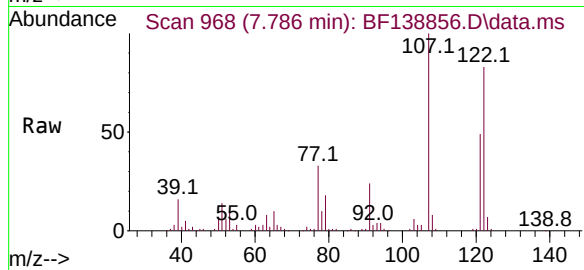
Tgt Ion:122 Resp: 91290

Ion Ratio Lower Upper

122 100

107 120.1 95.0 142.6

121 58.9 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 37.263 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

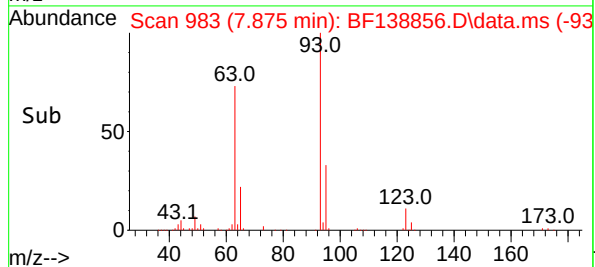
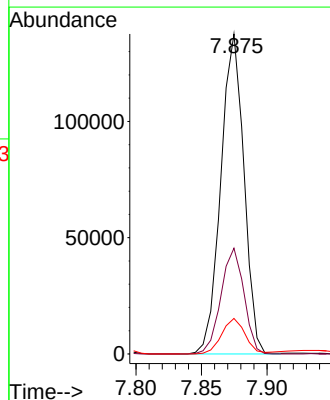
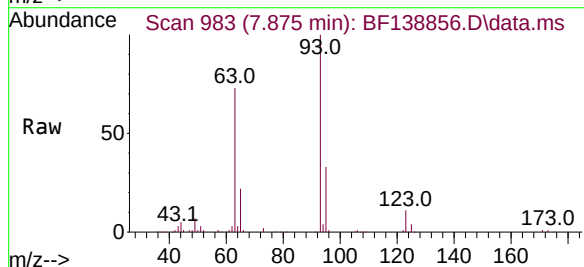
Tgt Ion: 93 Resp: 168373

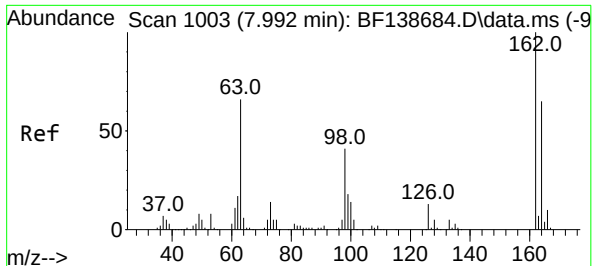
Ion Ratio Lower Upper

93 100

95 33.1 25.8 38.8

123 11.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.605 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

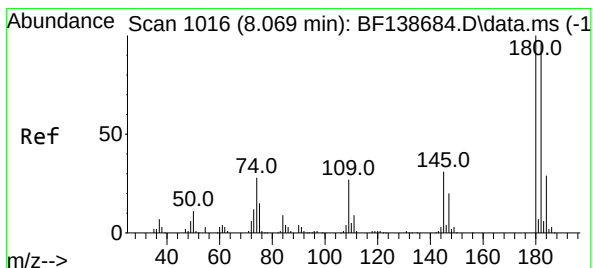
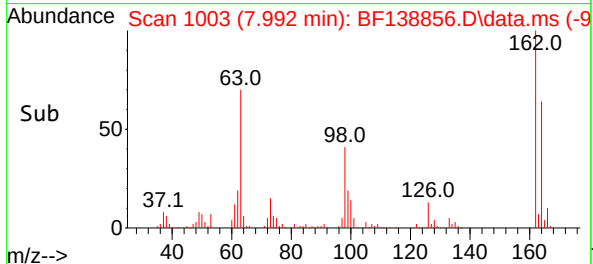
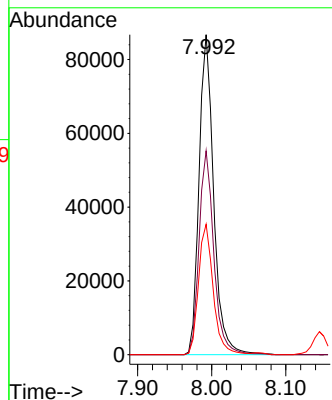
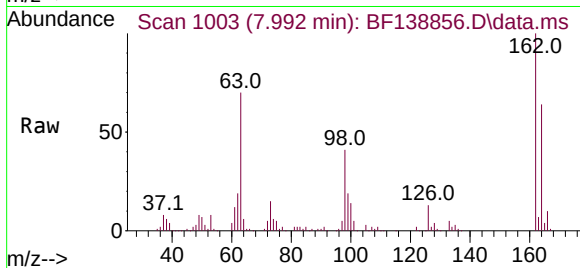
Tgt Ion:162 Resp: 118761

Ion Ratio Lower Upper

162 100

164 63.7 44.7 84.7

98 40.7 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 40.879 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

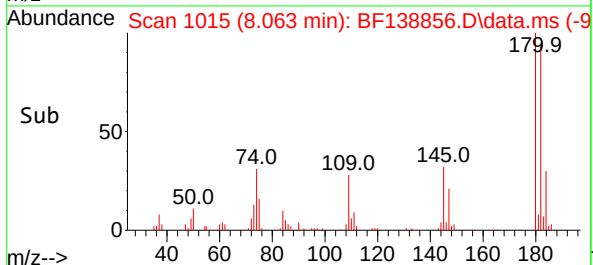
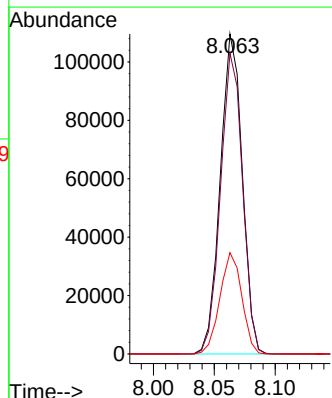
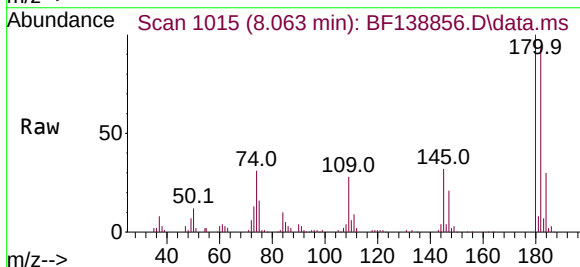
Tgt Ion:180 Resp: 137976

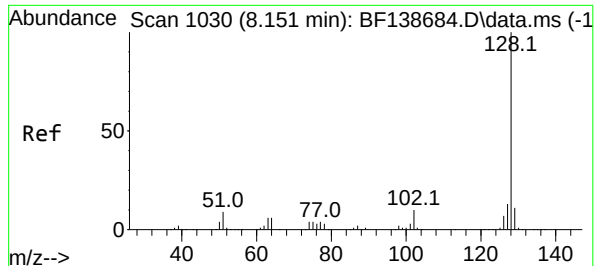
Ion Ratio Lower Upper

180 100

182 94.0 76.9 115.3

145 31.7 25.0 37.4





#31

Naphthalene

Concen: 39.473 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

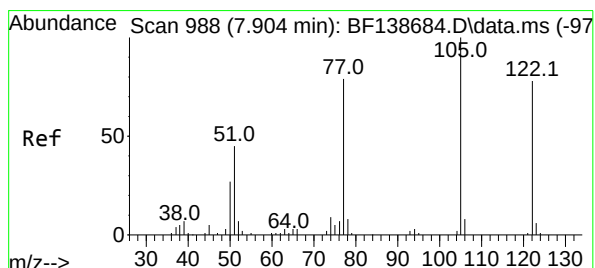
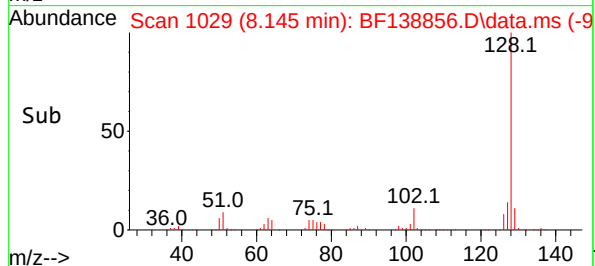
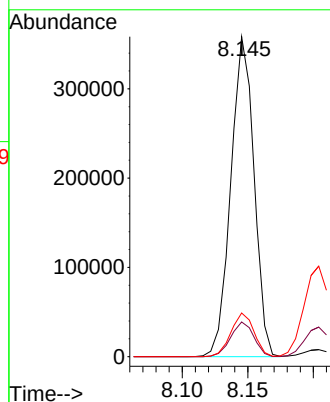
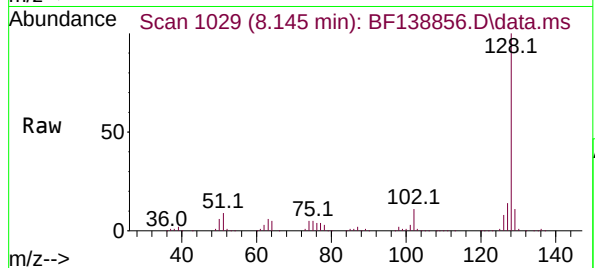
Tgt Ion:128 Resp: 441420

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.7 10.6 16.0



#32

Benzoic acid

Concen: 33.178 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.035 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

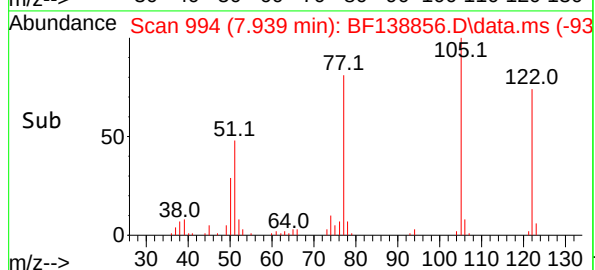
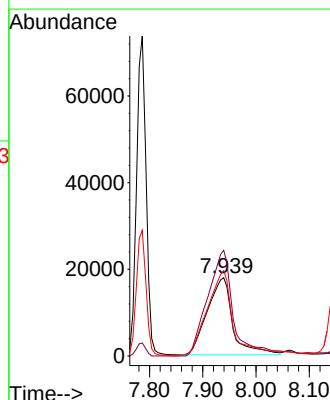
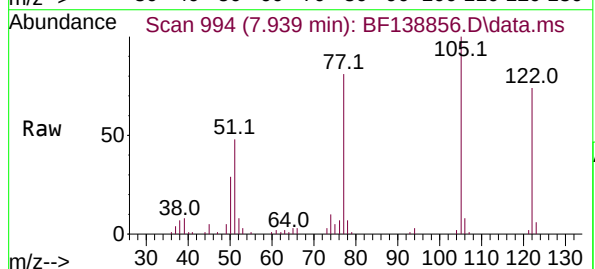
Tgt Ion:122 Resp: 59362

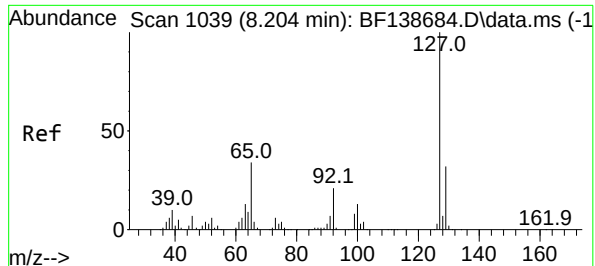
Ion Ratio Lower Upper

122 100

105 135.1 106.7 146.7

77 108.9 81.1 121.1





#33

4-Chloroaniline

Concen: 38.662 ng

RT: 8.204 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 145128

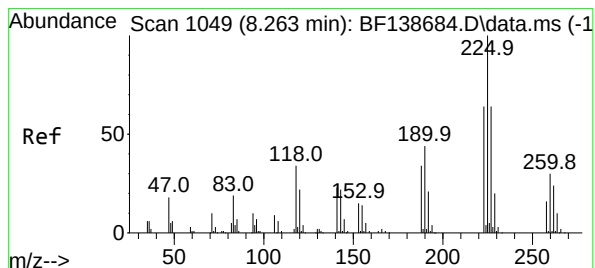
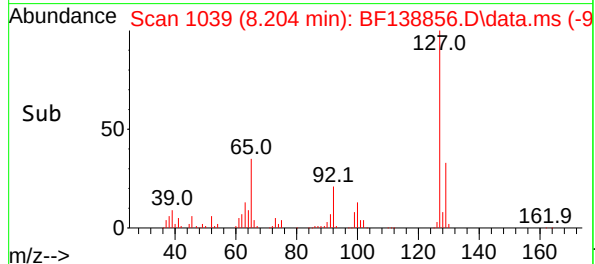
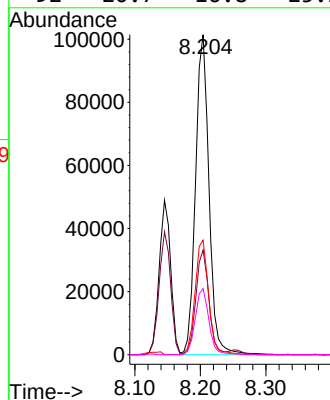
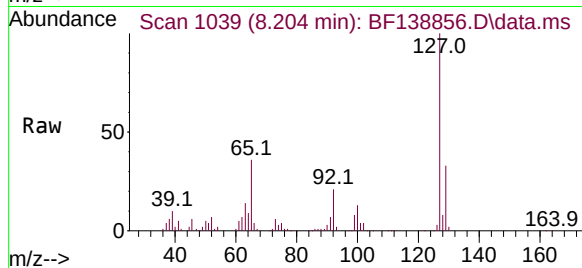
Ion Ratio Lower Upper

127 100

129 32.7 25.9 38.9

65 35.8 27.6 41.4

92 20.7 16.8 25.2



#34

Hexachlorobutadiene

Concen: 42.703 ng

RT: 8.257 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

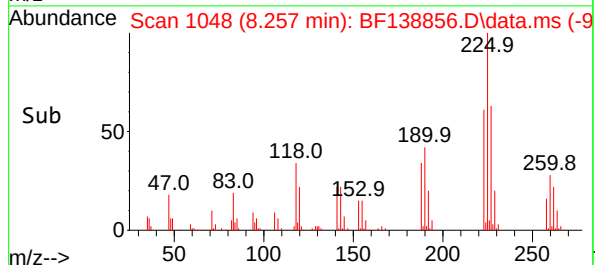
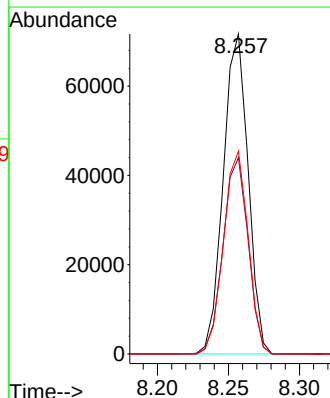
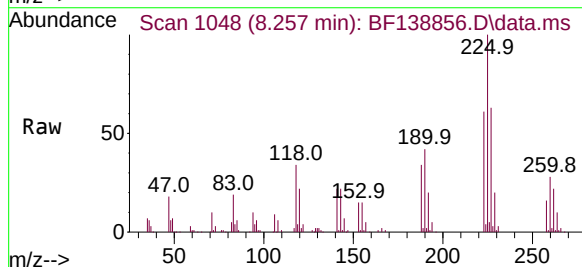
Tgt Ion:225 Resp: 87302

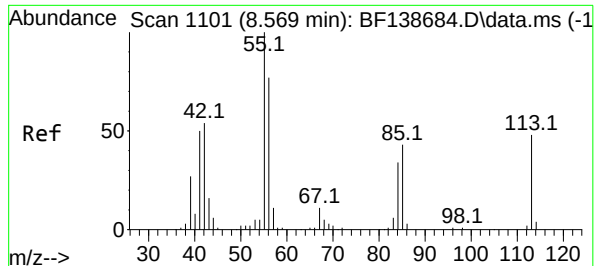
Ion Ratio Lower Upper

225 100

223 61.4 51.2 76.8

227 63.4 51.1 76.7





#35

Caprolactam

Concen: 40.455 ng

RT: 8.586 min Scan# 1104

Delta R.T. 0.018 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

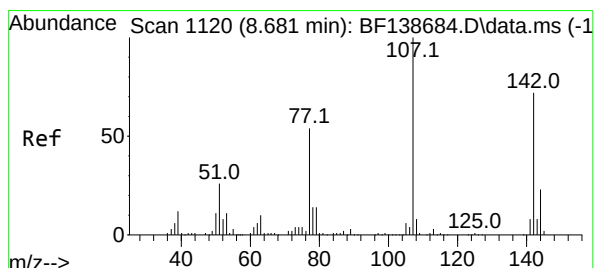
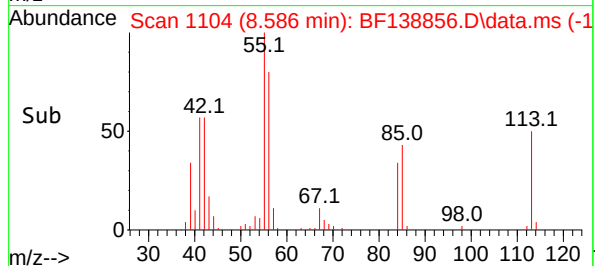
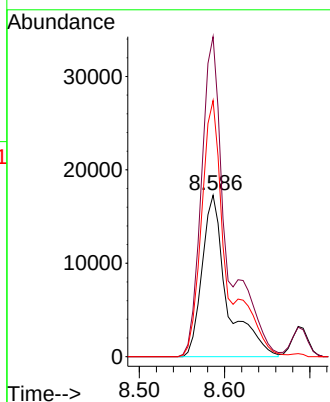
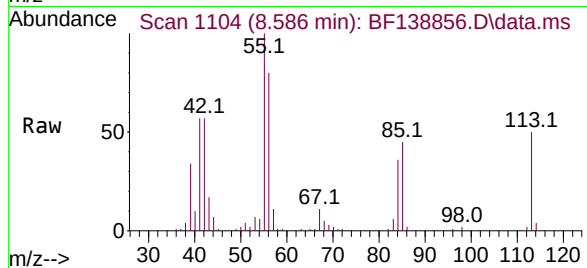
Tgt Ion:113 Resp: 35306

Ion Ratio Lower Upper

113 100

55 198.2 186.7 226.7

56 158.7 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 40.954 ng

RT: 8.686 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

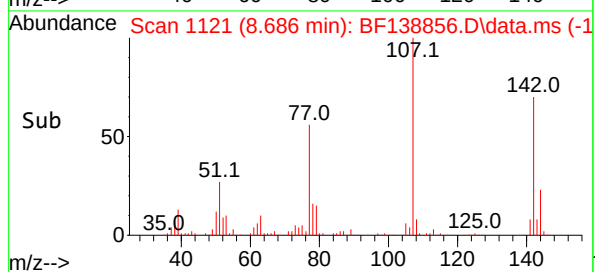
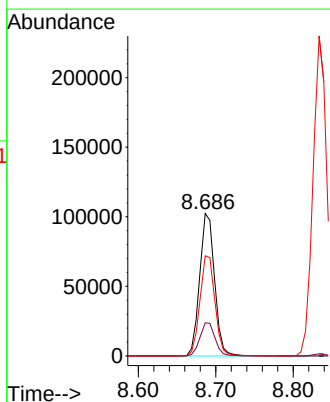
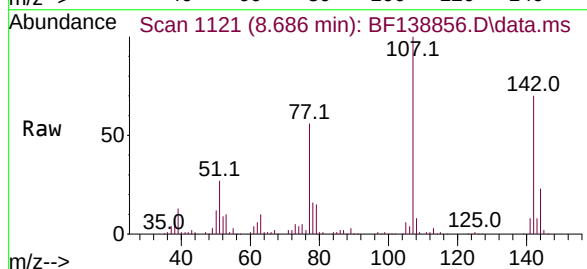
Tgt Ion:107 Resp: 136891

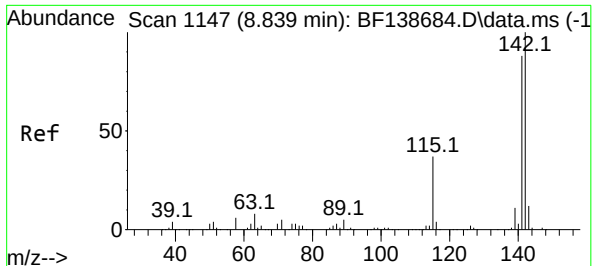
Ion Ratio Lower Upper

107 100

144 23.3 18.2 27.2

142 70.3 57.4 86.2





#37

2-Methylnaphthalene

Concen: 40.161 ng

RT: 8.833 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

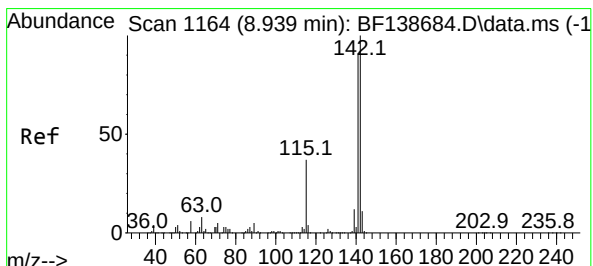
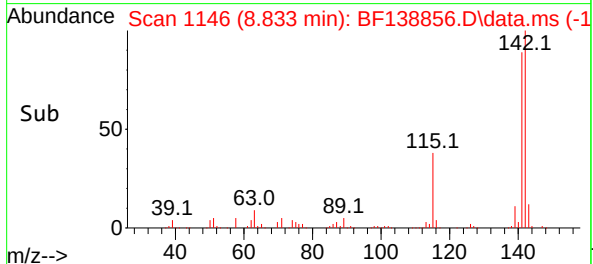
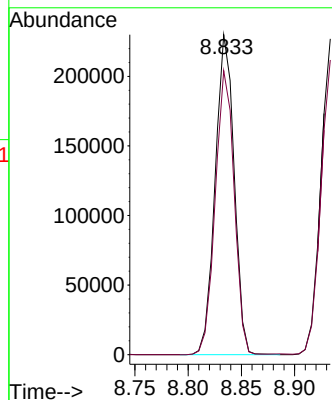
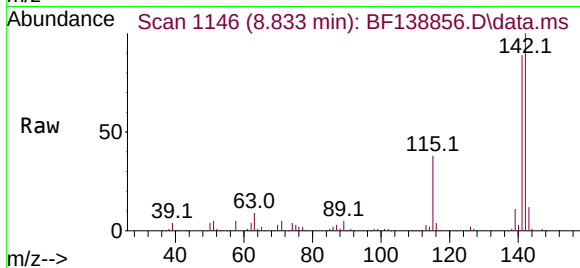
SSTDCCC040

Tgt Ion:142 Resp: 283639

Ion Ratio Lower Upper

142 100

141 88.7 70.8 106.2



#38

1-Methylnaphthalene

Concen: 40.115 ng

RT: 8.933 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138856.D

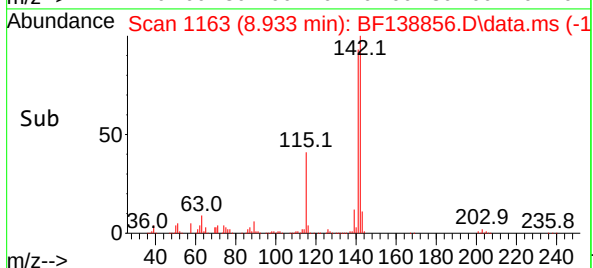
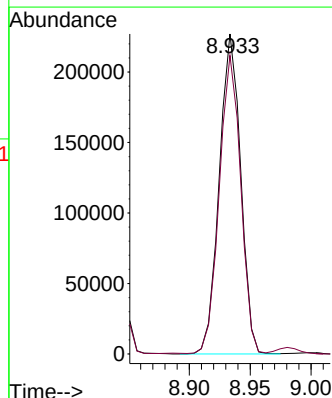
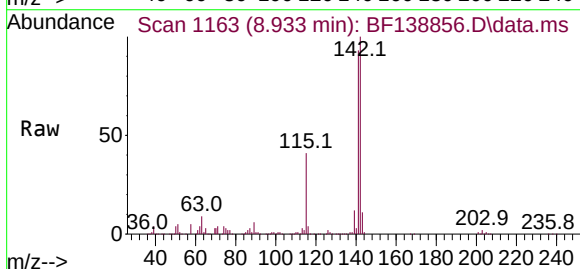
Acq: 08 Aug 2024 10:19

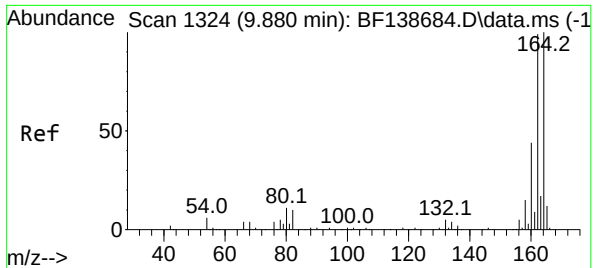
Tgt Ion:142 Resp: 277617

Ion Ratio Lower Upper

142 100

141 93.3 73.1 109.7

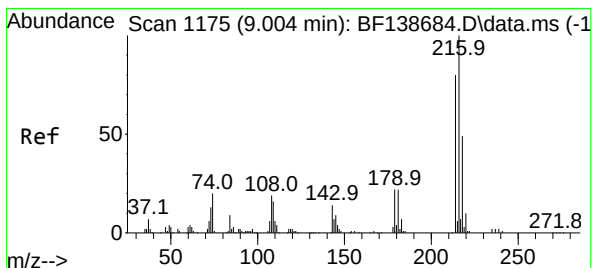
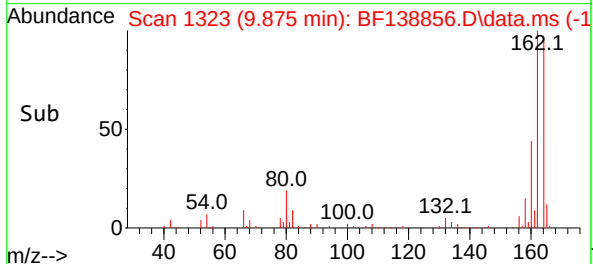
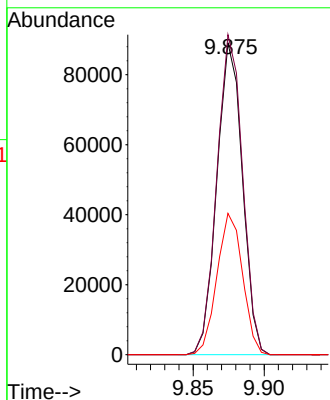
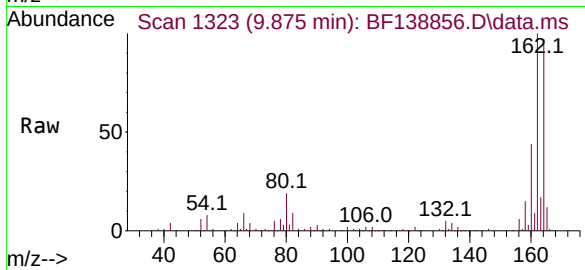




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 111283
Delta R.T. -0.005 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

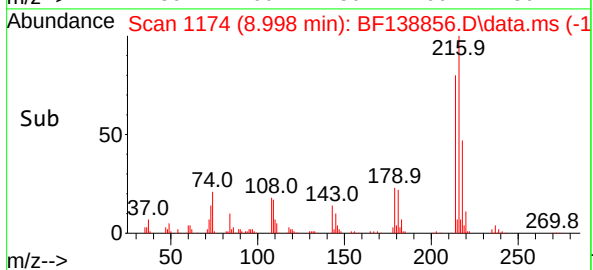
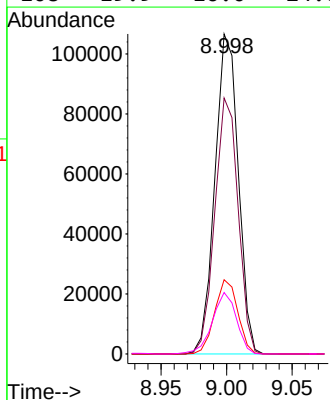
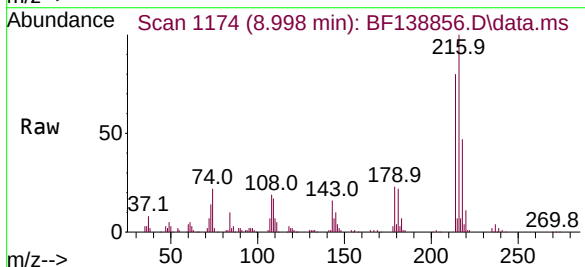
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

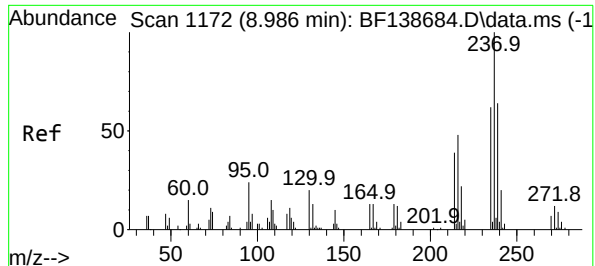
Tgt Ion:164 Resp: 111283
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 45.3 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.700 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:216 Resp: 131999
Ion Ratio Lower Upper
216 100
214 79.7 63.9 95.9
179 22.9 17.8 26.6
108 19.9 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 50.917 ng

RT: 8.980 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

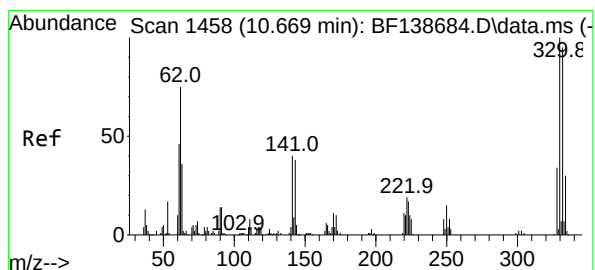
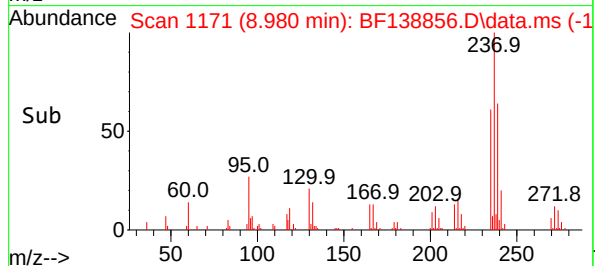
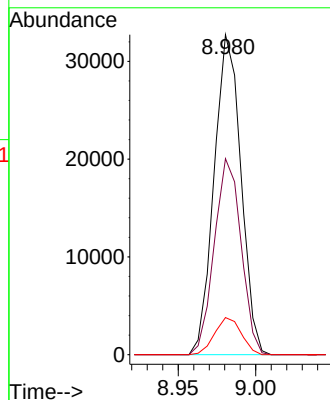
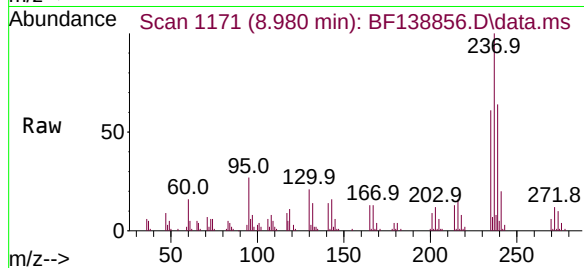
Tgt Ion:237 Resp: 39392

Ion Ratio Lower Upper

237 100

235 61.2 41.8 81.8

272 11.6 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 85.400 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

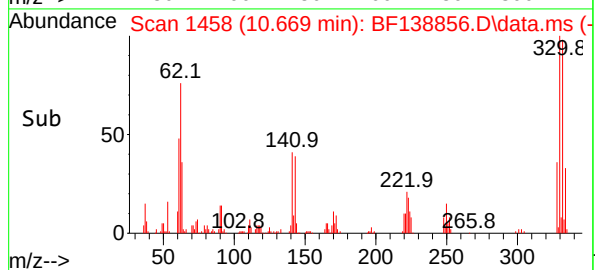
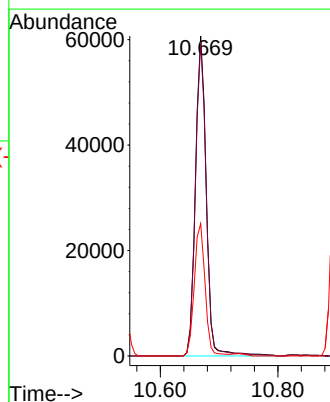
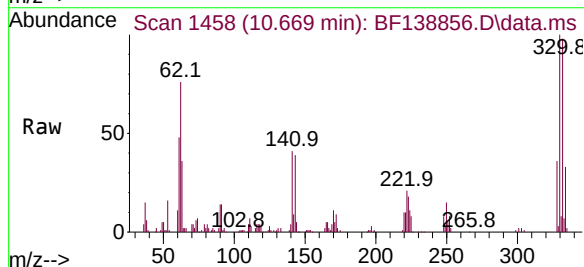
Tgt Ion:330 Resp: 77847

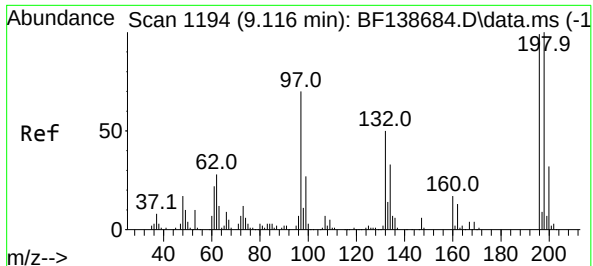
Ion Ratio Lower Upper

330 100

332 97.7 76.4 114.6

141 41.3 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 41.033 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

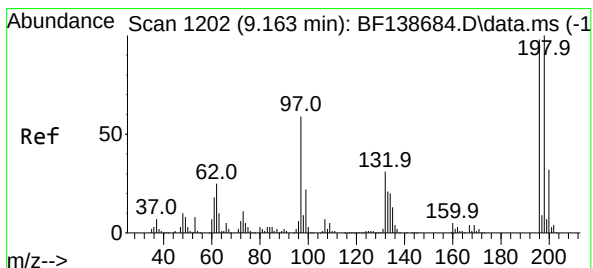
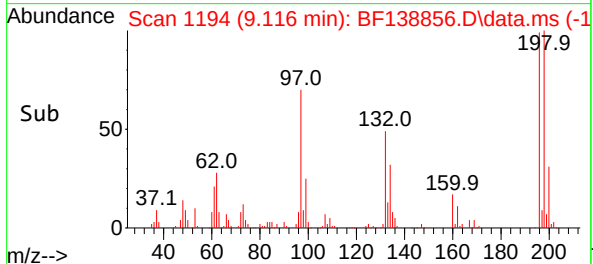
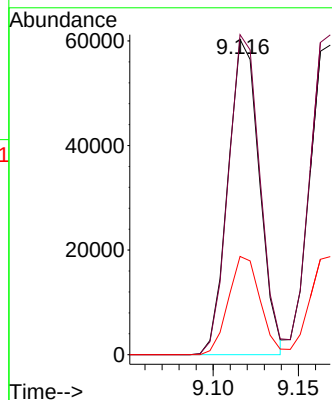
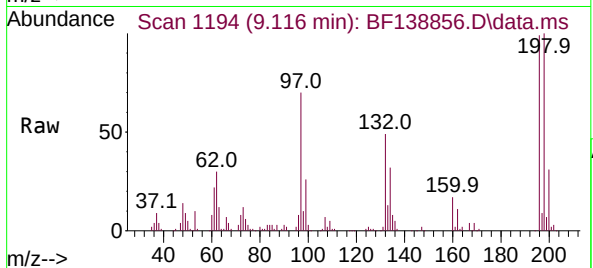
Tgt Ion:196 Resp: 77339

Ion Ratio Lower Upper

196 100

198 101.4 80.5 120.7

200 31.2 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 41.185 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Tgt Ion:196 Resp: 84861

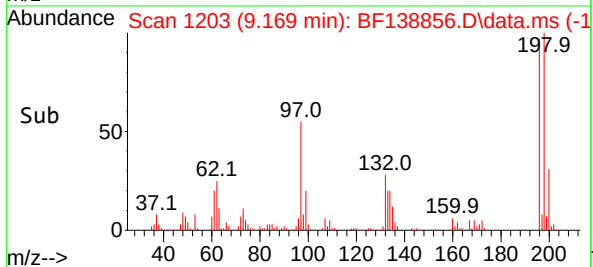
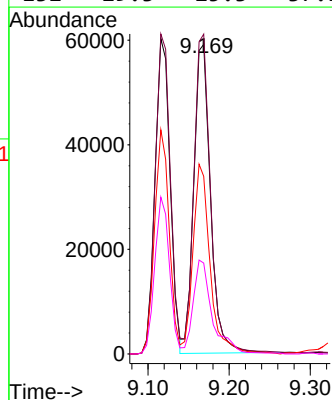
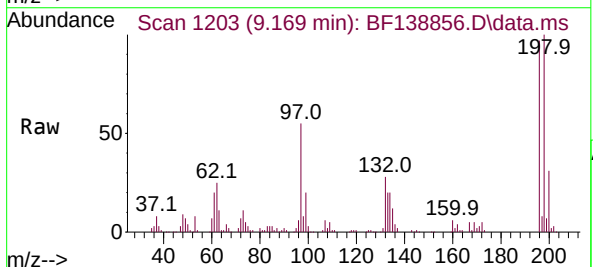
Ion Ratio Lower Upper

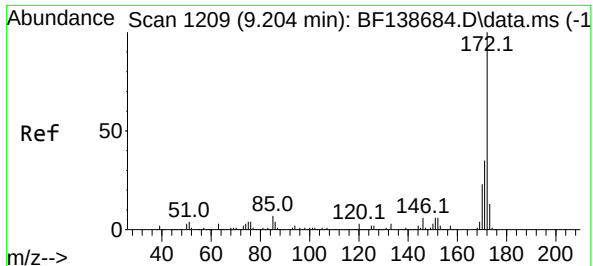
196 100

198 103.3 81.2 121.8

97 57.3 47.8 71.6

132 29.3 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 85.853 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

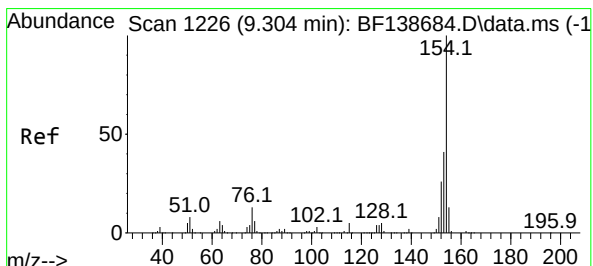
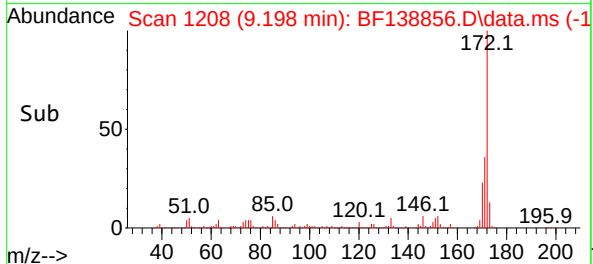
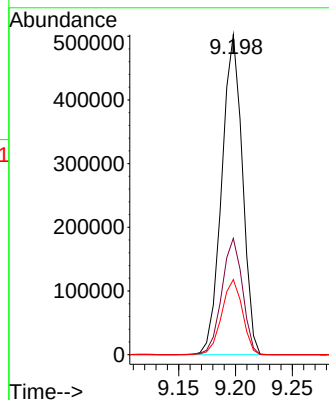
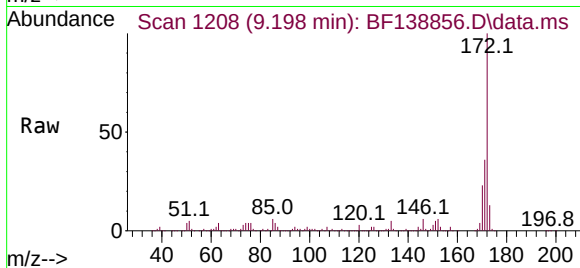
Tgt Ion:172 Resp: 635871

Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 41.494 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

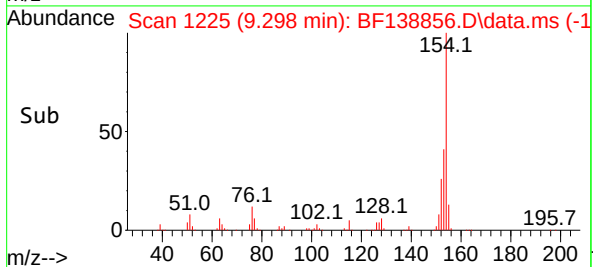
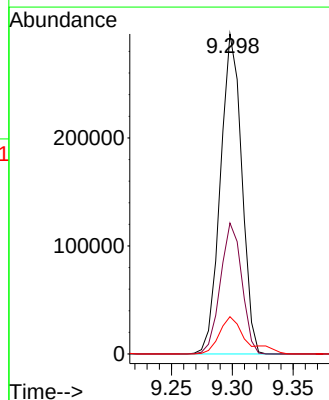
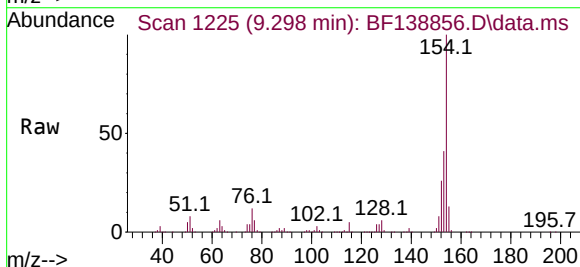
Tgt Ion:154 Resp: 361643

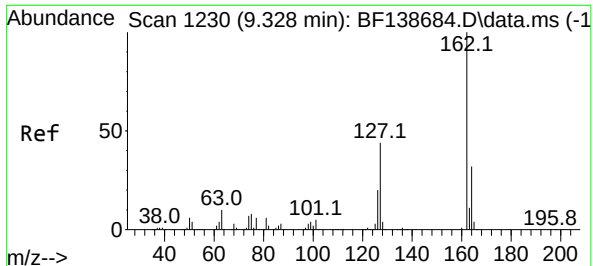
Ion Ratio Lower Upper

154 100

153 40.9 20.8 60.8

76 11.6 0.0 32.8





#47

2-Chloronaphthalene

Concen: 41.604 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

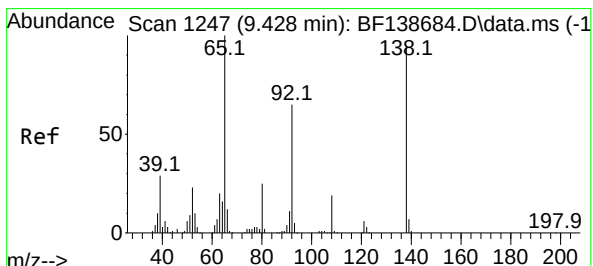
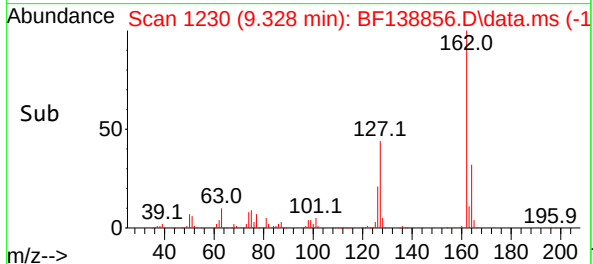
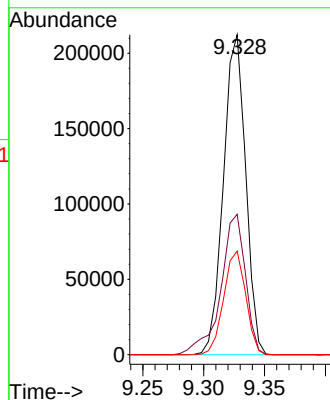
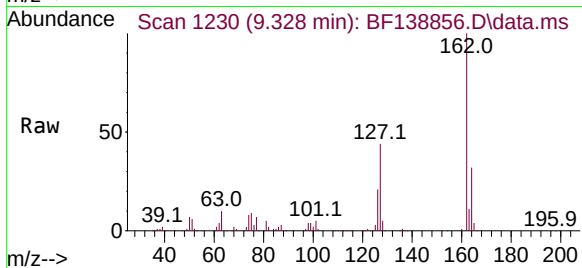
Tgt Ion:162 Resp: 269678

Ion Ratio Lower Upper

162 100

127 43.9 35.4 53.2

164 32.4 25.6 38.4



#48

2-Nitroaniline

Concen: 42.116 ng

RT: 9.428 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

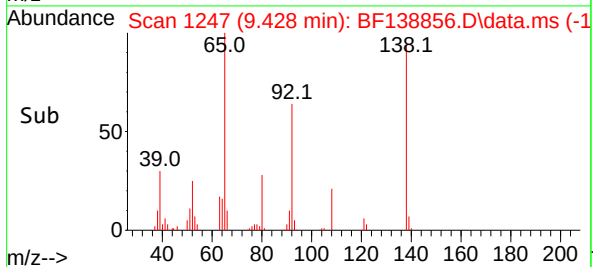
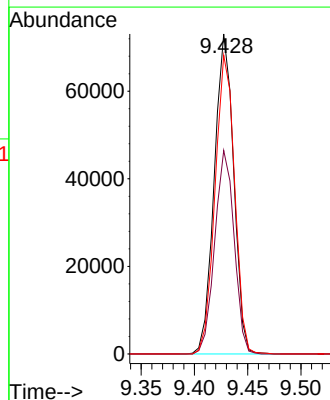
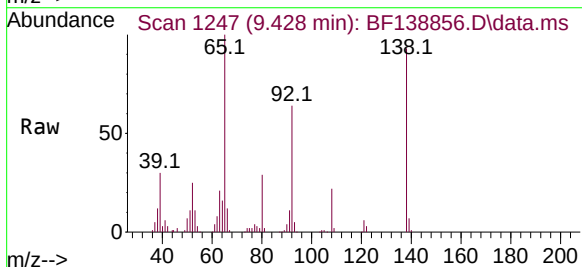
Tgt Ion: 65 Resp: 92549

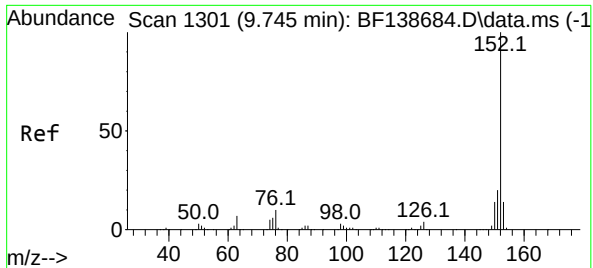
Ion Ratio Lower Upper

65 100

92 63.6 52.0 78.0

138 93.3 76.2 114.4

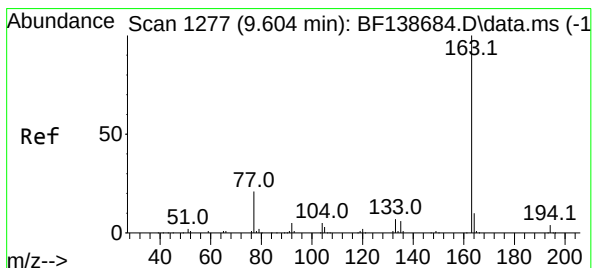
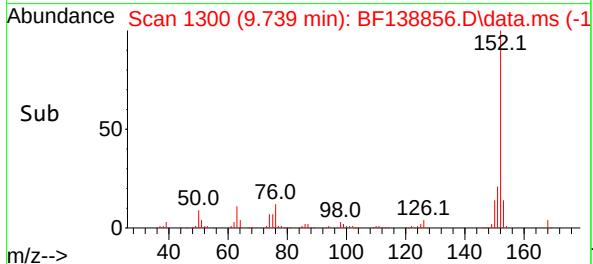
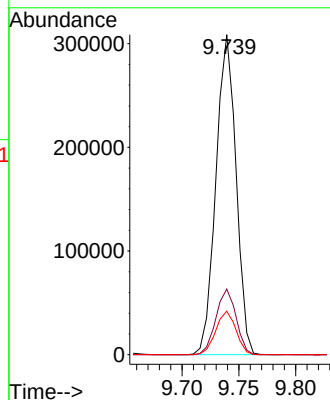
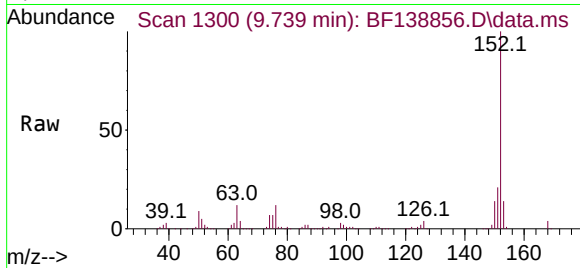




#49
Acenaphthylene
Concen: 41.348 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

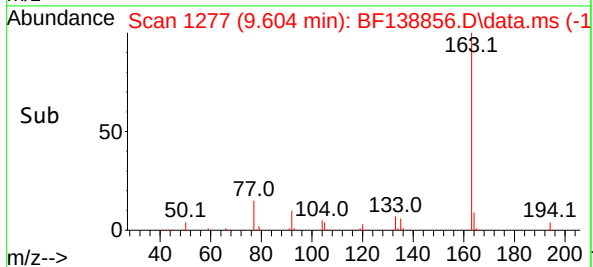
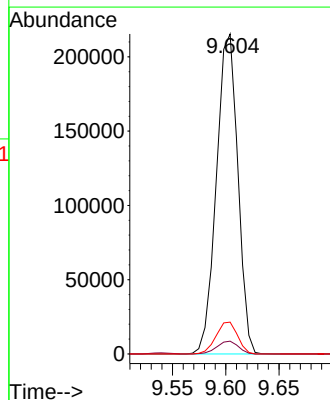
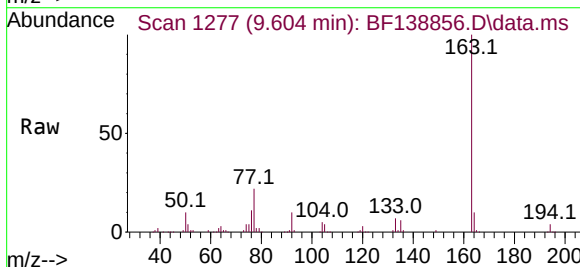
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

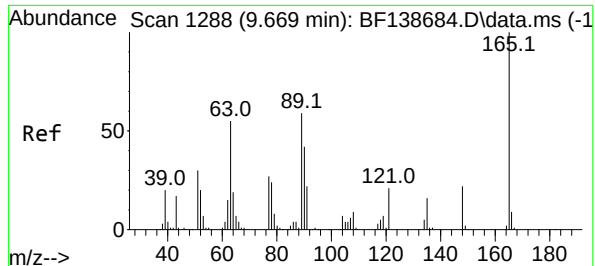
Tgt Ion:152 Resp: 380128
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 13.6 11.0 16.4



#50
Dimethylphthalate
Concen: 42.297 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:163 Resp: 300966
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.9 7.8 11.8

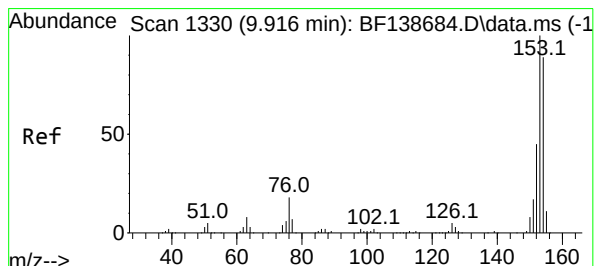
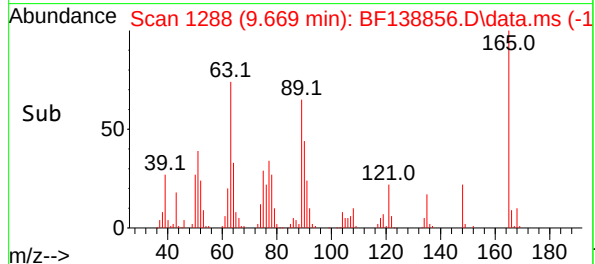
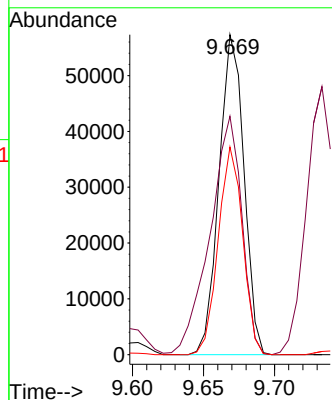
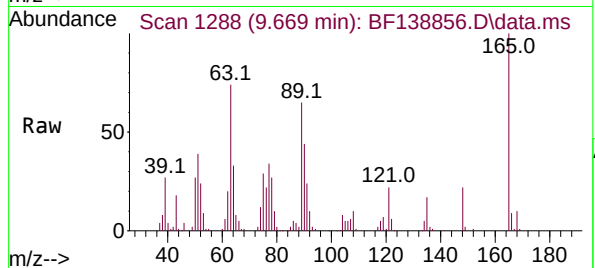




#51
2,6-Dinitrotoluene
Concen: 43.609 ng
RT: 9.669 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

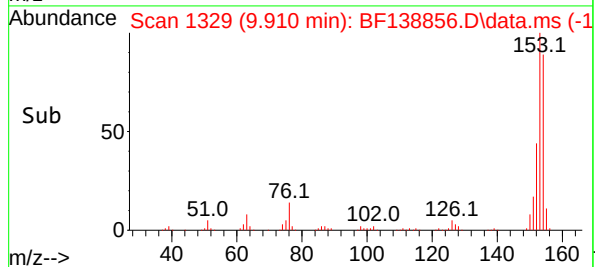
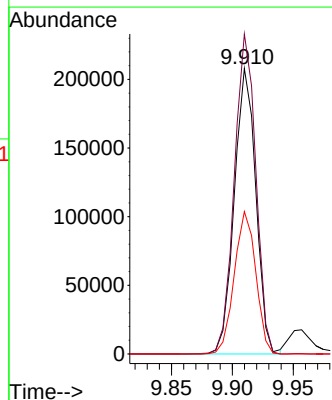
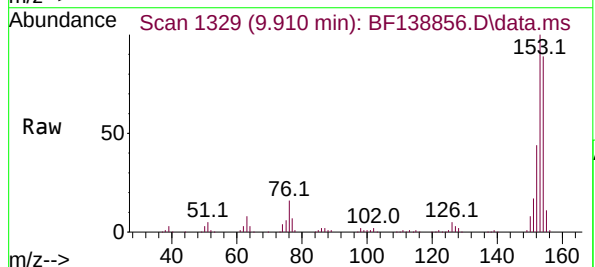
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

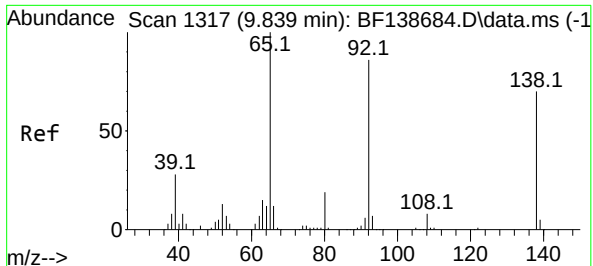
Tgt Ion:165 Resp: 70030
Ion Ratio Lower Upper
165 100
63 74.5 52.0 78.0
89 64.9 47.0 70.6



#52
Acenaphthene
Concen: 41.418 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:154 Resp: 255959
Ion Ratio Lower Upper
154 100
153 112.1 89.9 134.9
152 49.9 40.6 60.8





#53

3-Nitroaniline

Concen: 42.823 ng

RT: 9.839 min Scan# 1317

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

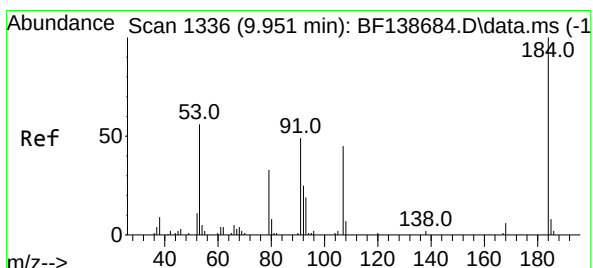
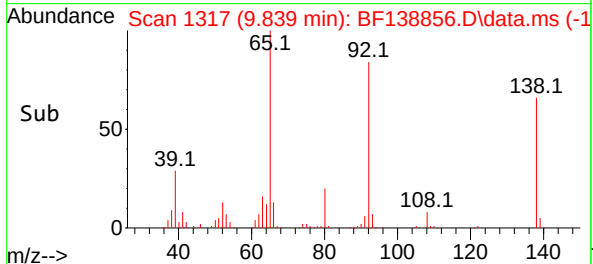
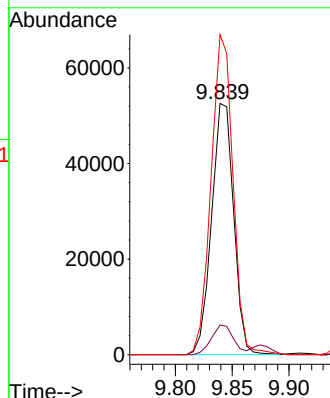
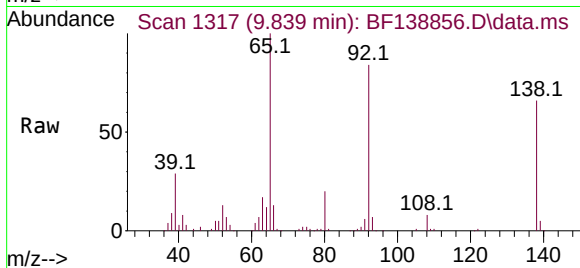
Tgt Ion:138 Resp: 71090

Ion Ratio Lower Upper

138 100

108 11.8 9.1 13.7

92 127.4 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 45.719 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

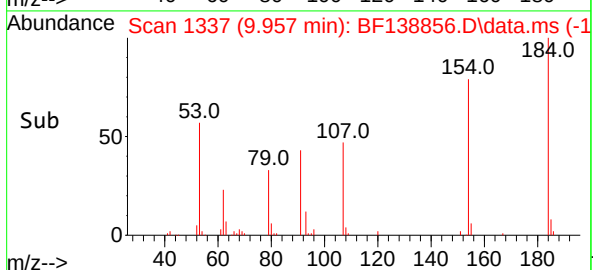
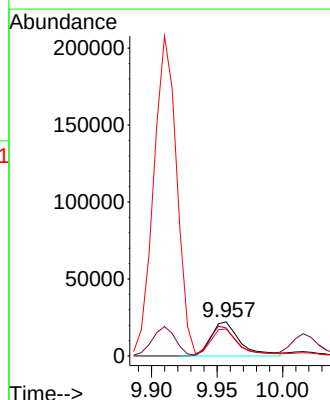
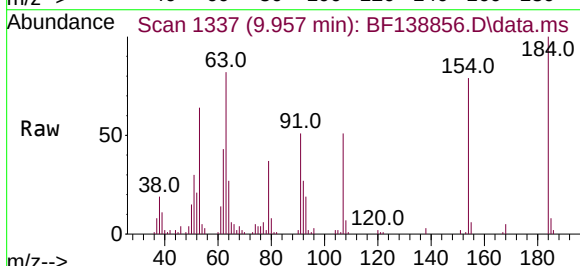
Tgt Ion:184 Resp: 33797

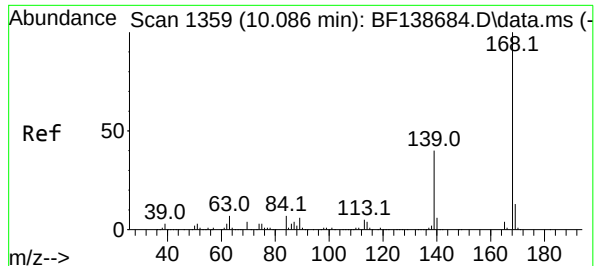
Ion Ratio Lower Upper

184 100

63 82.0 57.5 86.3

154 79.2 51.7 77.5#





#55

Dibenzenofuran

Concen: 41.594 ng

RT: 10.080 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

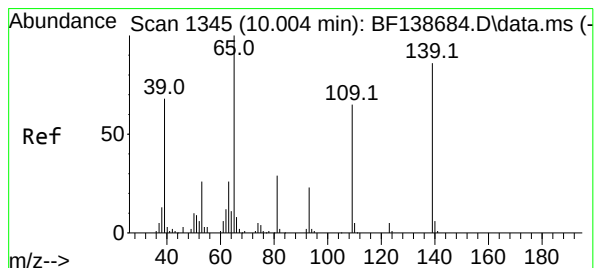
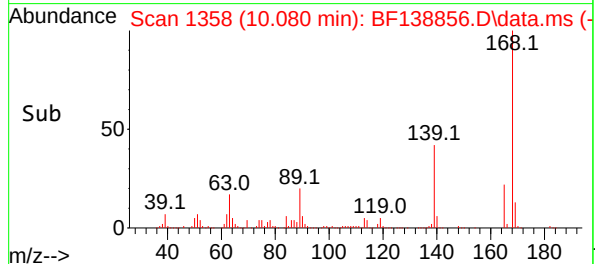
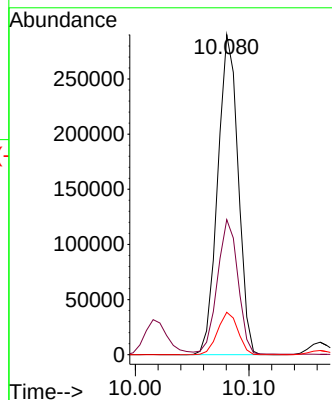
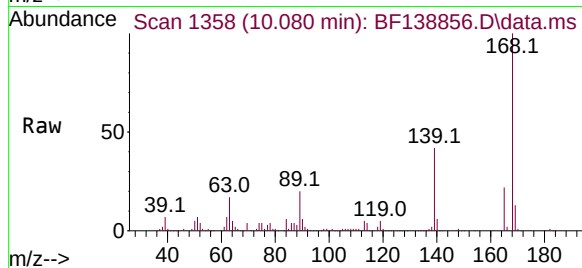
Tgt Ion:168 Resp: 362856

Ion Ratio Lower Upper

168 100

139 42.2 32.6 49.0

169 13.2 10.7 16.1



#56

4-Nitrophenol

Concen: 45.483 ng

RT: 10.016 min Scan# 1347

Delta R.T. 0.012 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

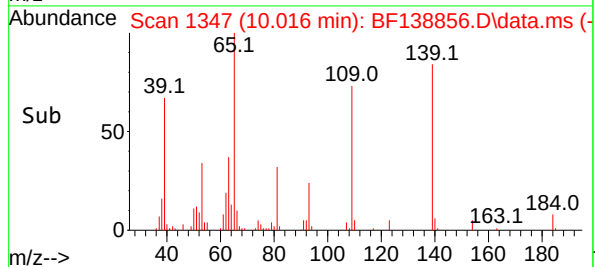
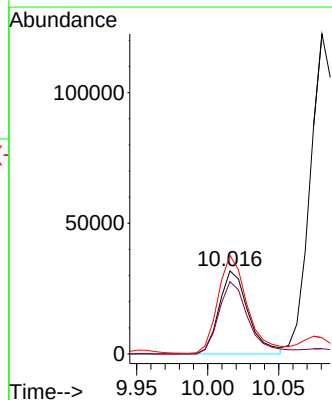
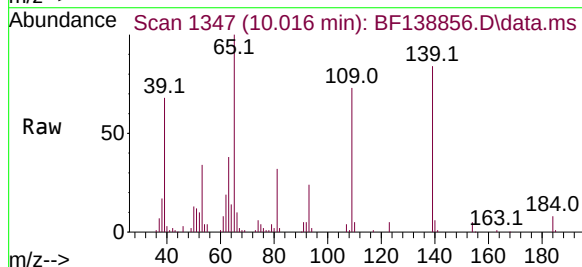
Tgt Ion:139 Resp: 45406

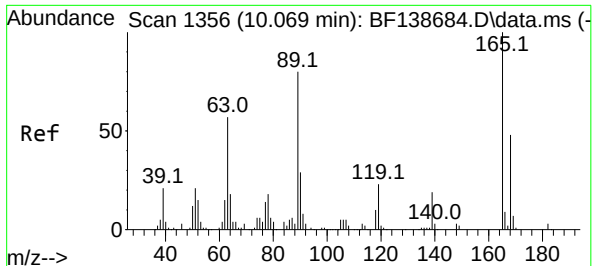
Ion Ratio Lower Upper

139 100

109 87.0 55.5 95.5

65 118.7 96.7 136.7

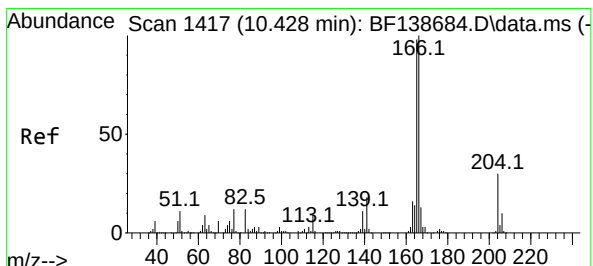
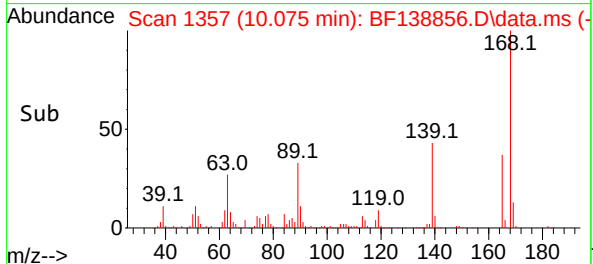
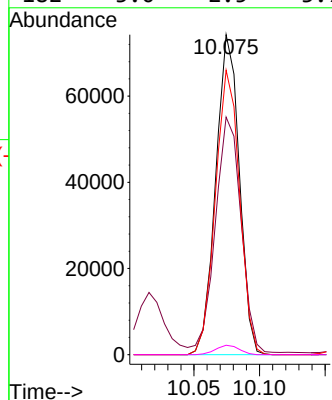
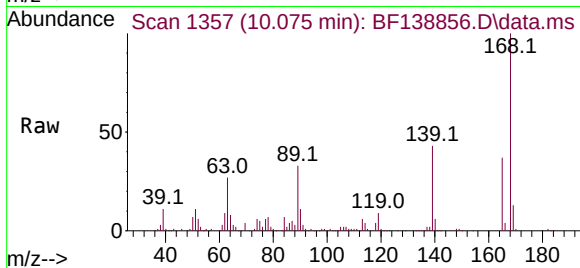




#57
2,4-Dinitrotoluene
Concen: 45.211 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

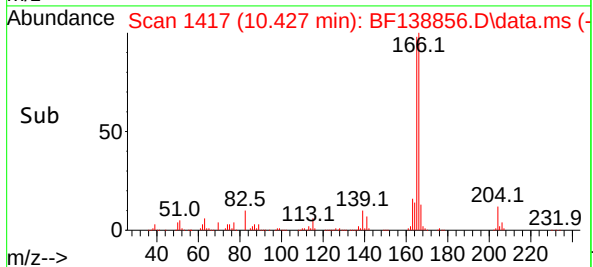
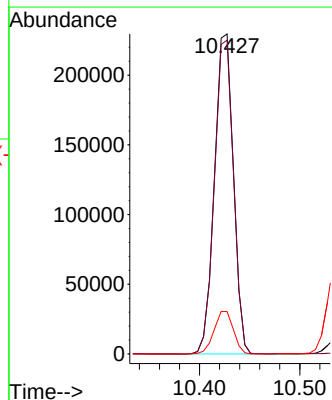
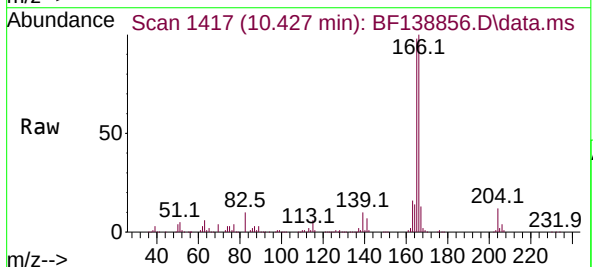
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

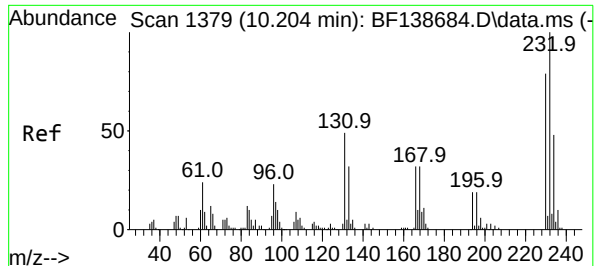
Tgt Ion	Ratio	Lower	Upper
165	100		
63	74.2	46.3	69.5#
89	88.9	64.2	96.4
182	3.0	2.5	3.7



#58
Fluorene
Concen: 43.461 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

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

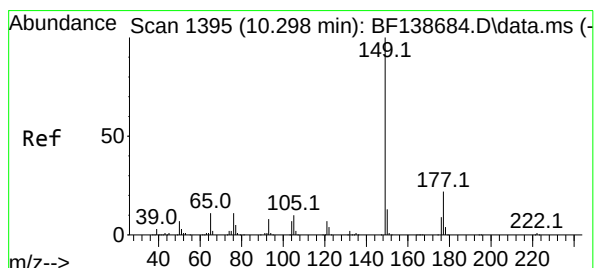
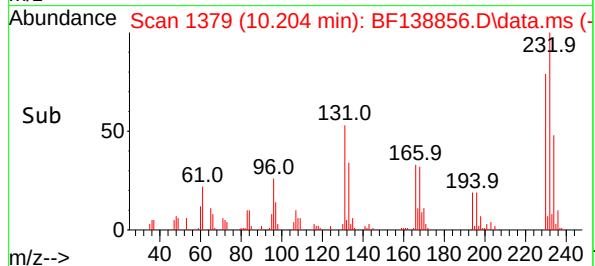
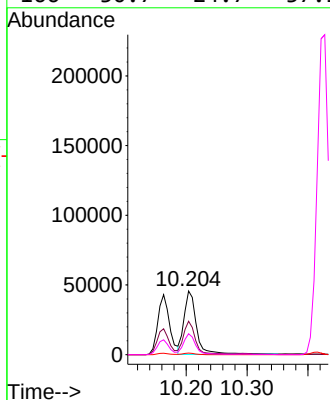
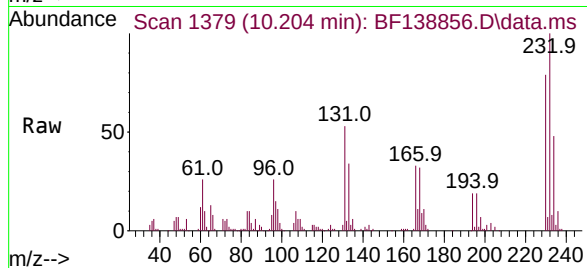




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.031 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

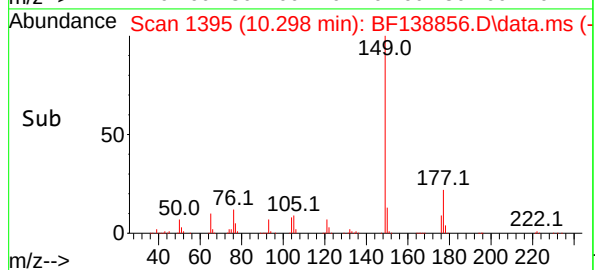
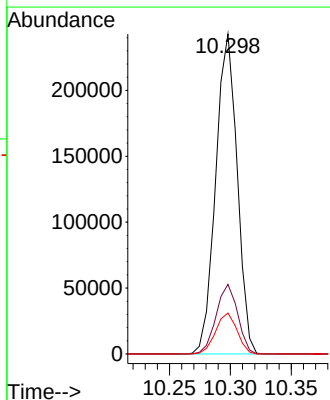
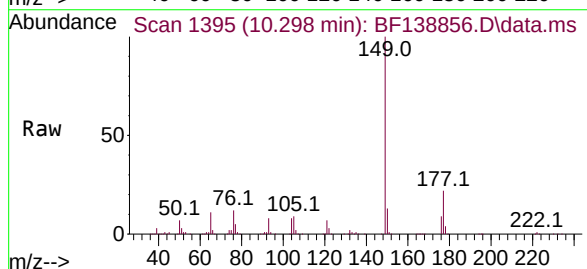
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

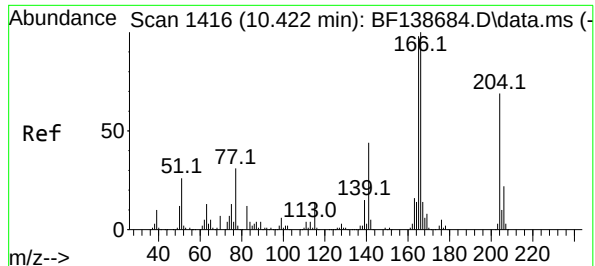
Tgt Ion:232 Resp: 64636
Ion Ratio Lower Upper
232 100
131 51.2 37.0 55.4
130 2.4 2.0 3.0
166 30.7 24.7 37.1



#60
Diethylphthalate
Concen: 44.170 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:149 Resp: 298009
Ion Ratio Lower Upper
149 100
177 21.7 17.8 26.8
150 12.8 10.1 15.1

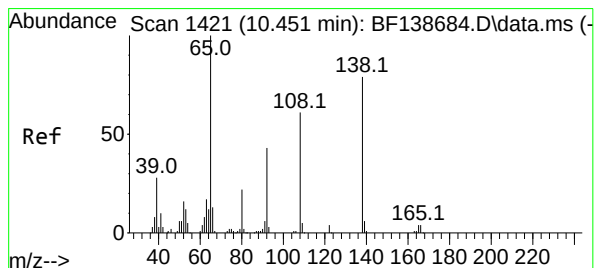
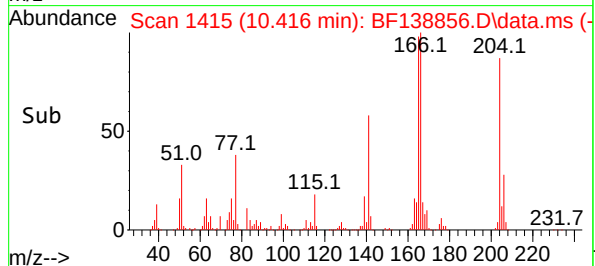
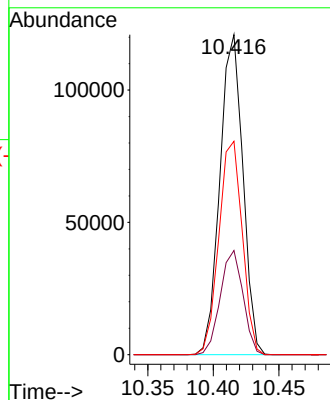
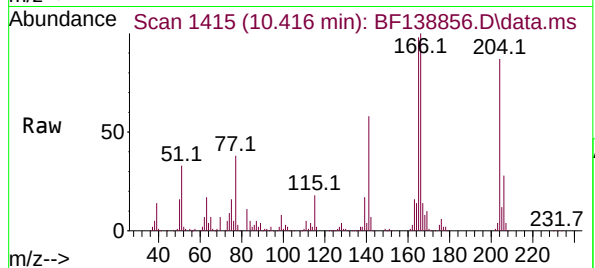




#61
4-Chlorophenyl-phenylether
Concen: 43.140 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

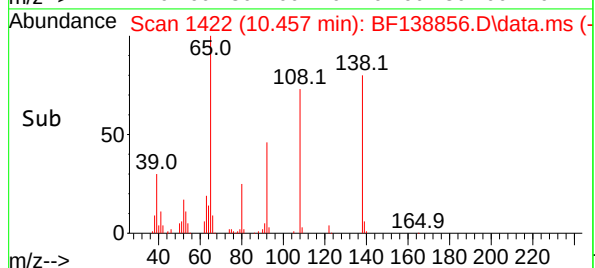
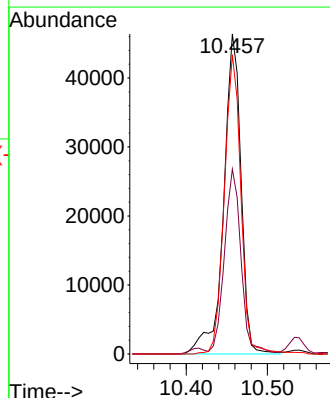
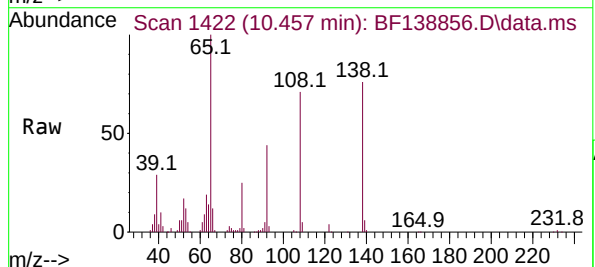
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

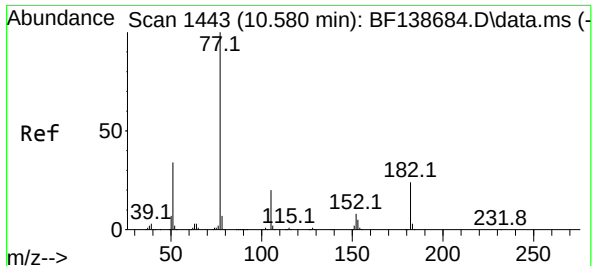
Tgt Ion:204 Resp: 147395
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 66.7 51.4 77.0



#62
4-Nitroaniline
Concen: 43.759 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:138 Resp: 69035
Ion Ratio Lower Upper
138 100
92 57.8 34.2 74.2
108 93.5 56.2 96.2

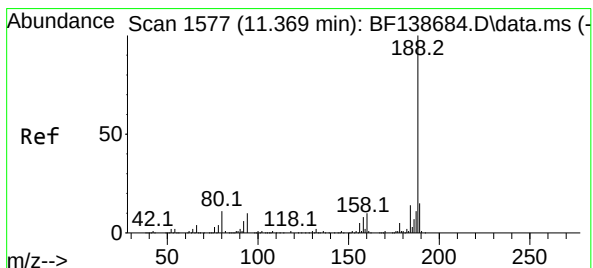
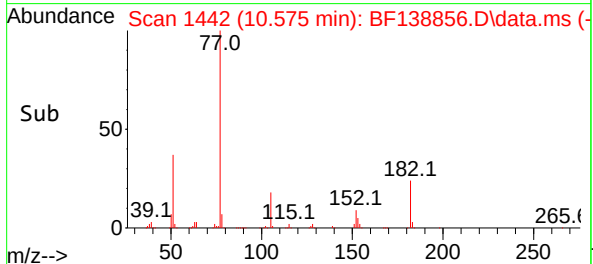
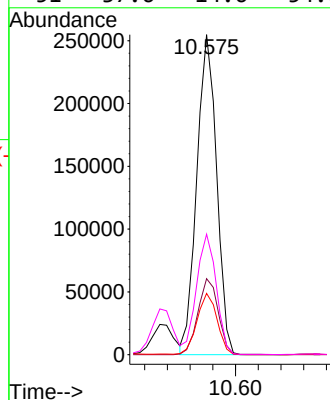
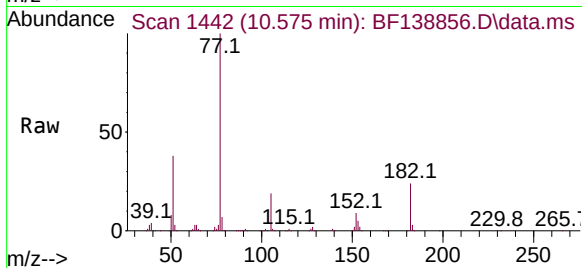




#63
Azobenzene
Concen: 41.265 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

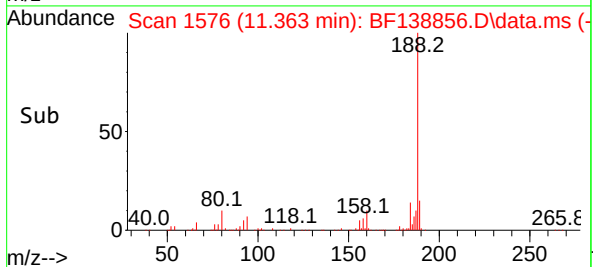
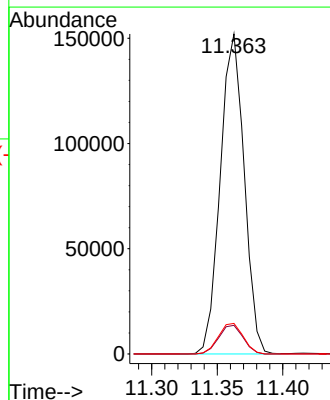
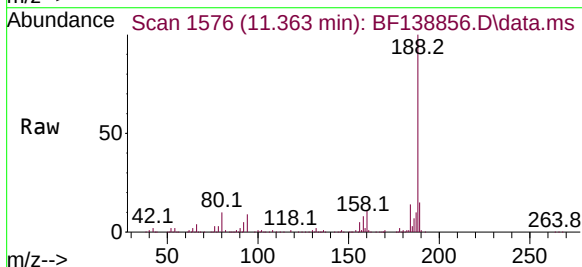
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

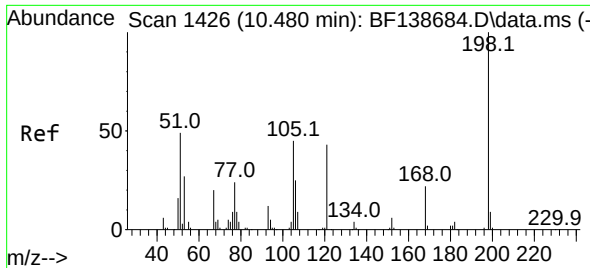
Tgt Ion: 77	Resp: 308782
Ion Ratio	Lower Upper
77 100	
182 23.8	3.4 43.4
105 19.1	0.2 40.2
51 37.6	14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:188	Resp: 192684
Ion Ratio	Lower Upper
188 100	
94 9.0	7.6 11.4
80 9.6	8.6 12.8

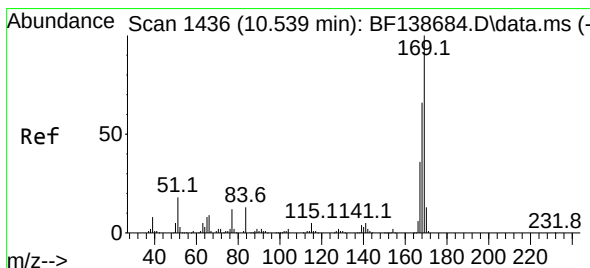
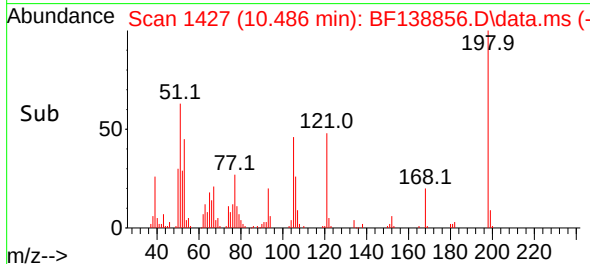
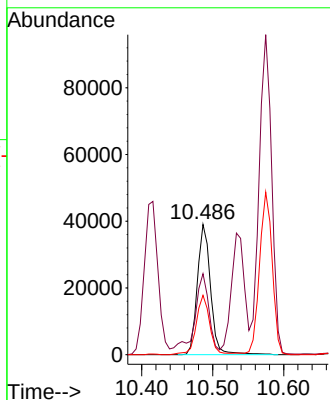
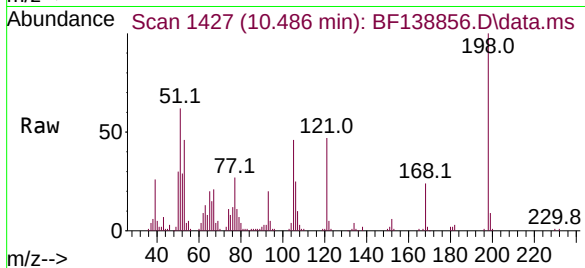




#65
4,6-Dinitro-2-methylphenol
Concen: 43.259 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

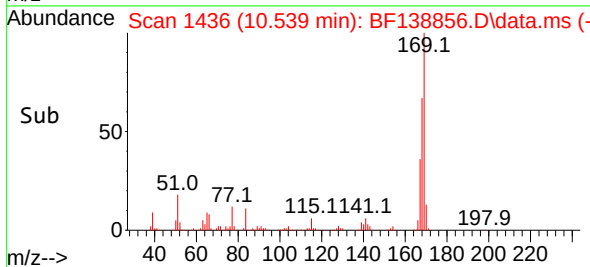
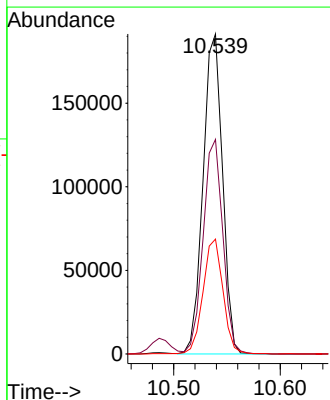
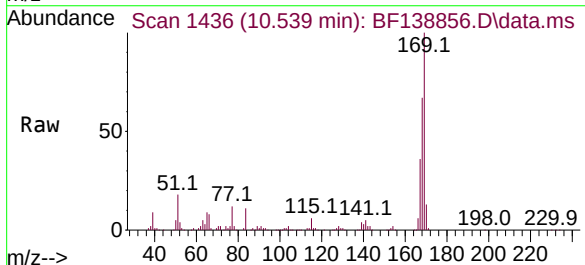
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

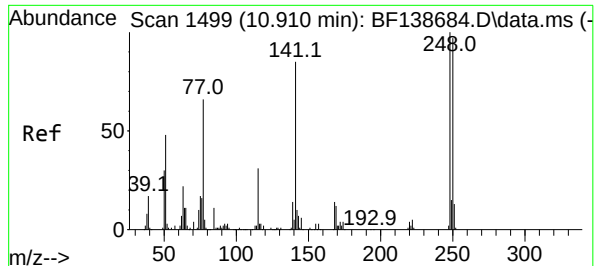
Tgt Ion:198 Resp: 50853
Ion Ratio Lower Upper
198 100
51 62.1 39.9 79.9
105 45.6 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 40.351 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:169 Resp: 243028
Ion Ratio Lower Upper
169 100
168 67.1 53.0 79.6
167 35.9 29.0 43.6

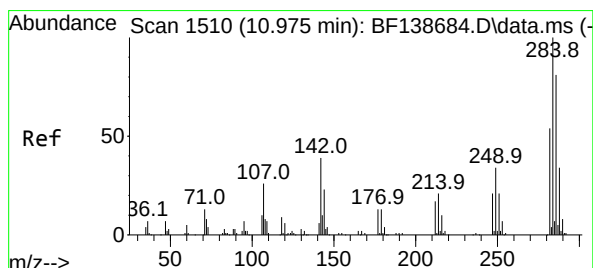
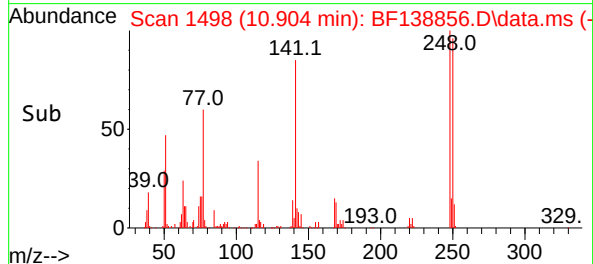
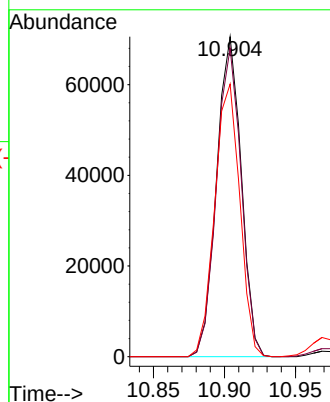
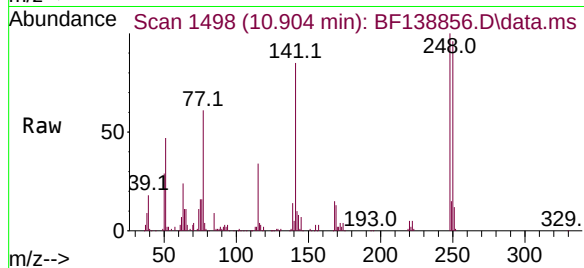




#67
4-Bromophenyl-phenylether
Concen: 40.813 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

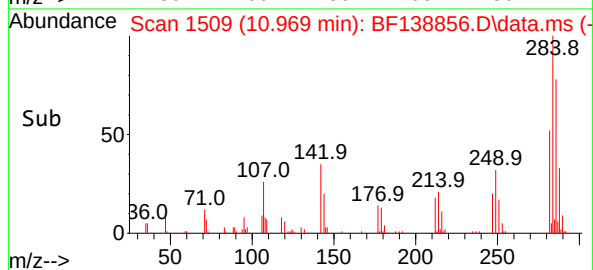
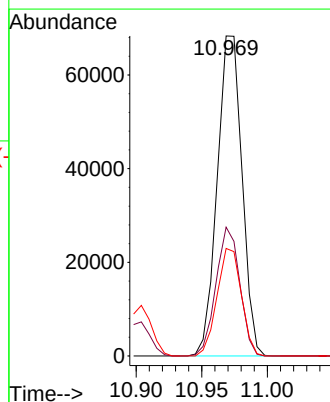
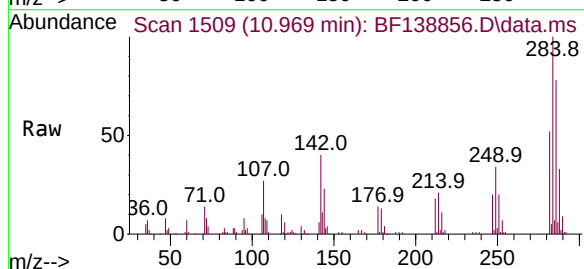
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

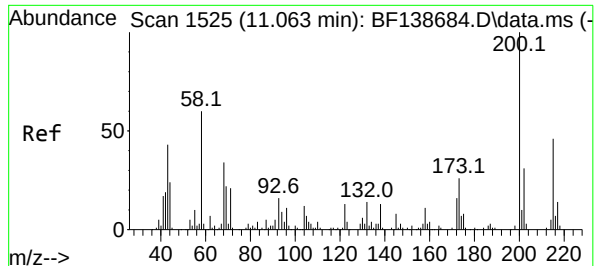
Tgt Ion:248 Resp: 85143
Ion Ratio Lower Upper
248 100
250 96.4 77.7 116.5
141 85.2 68.0 102.0



#68
Hexachlorobenzene
Concen: 41.705 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:284 Resp: 89832
Ion Ratio Lower Upper
284 100
142 40.2 31.3 46.9
249 33.6 27.2 40.8





#69

Atrazine

Concen: 37.672 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

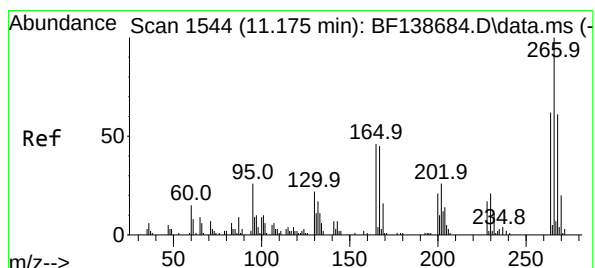
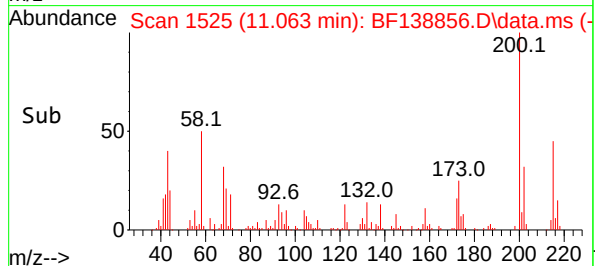
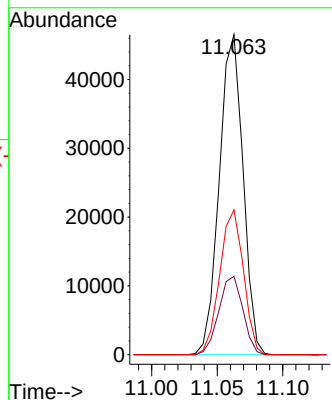
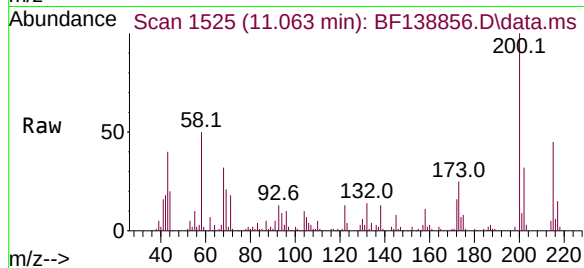
Tgt Ion:200 Resp: 58539

Ion Ratio Lower Upper

200 100

173 24.5 6.0 46.0

215 45.2 26.1 66.1



#70

Pentachlorophenol

Concen: 45.078 ng

RT: 11.174 min Scan# 1544

Delta R.T. -0.001 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

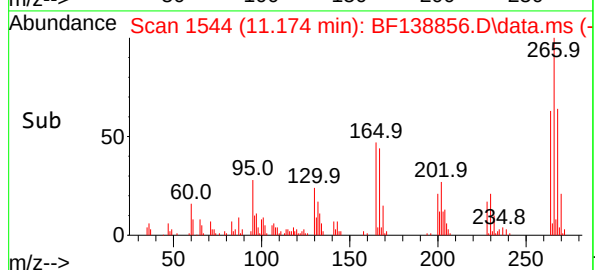
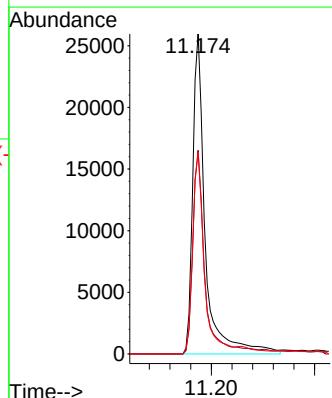
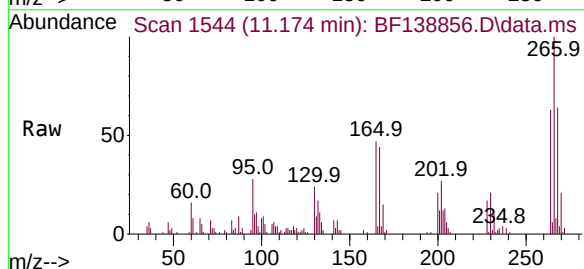
Tgt Ion:266 Resp: 43766

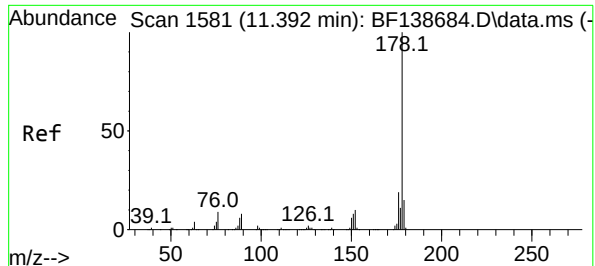
Ion Ratio Lower Upper

266 100

268 63.6 49.2 73.8

264 63.1 49.8 74.6

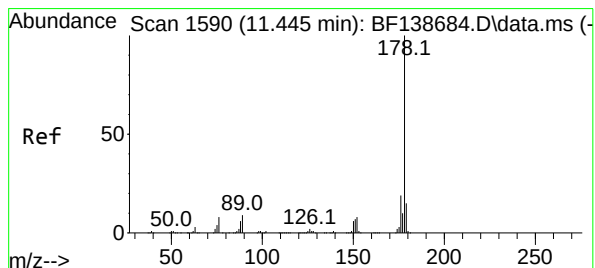
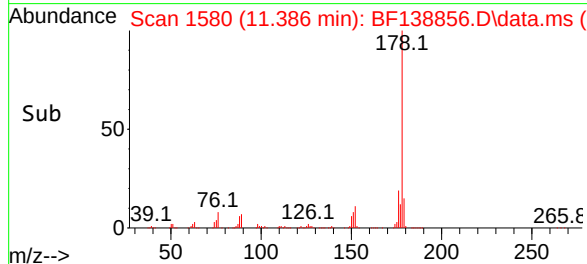
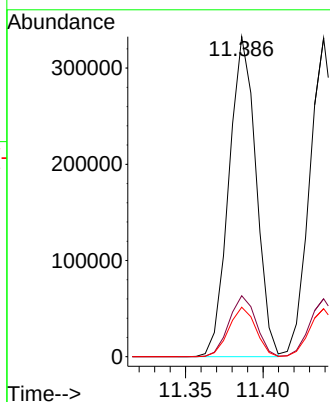
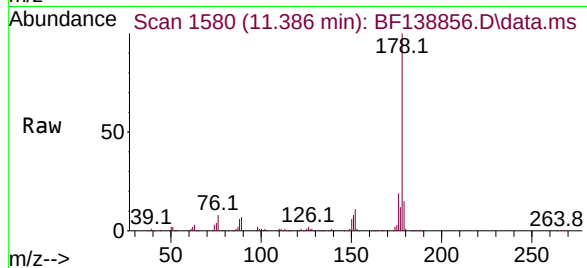




#71
Phenanthrene
Concen: 40.727 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

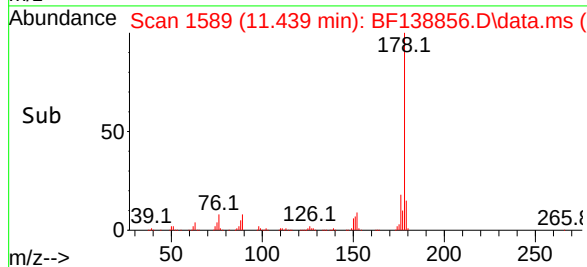
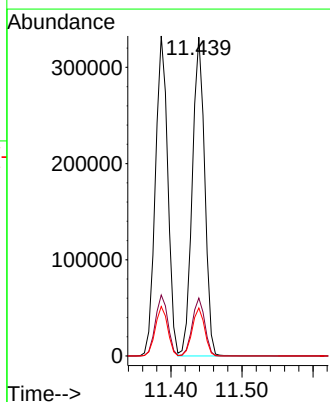
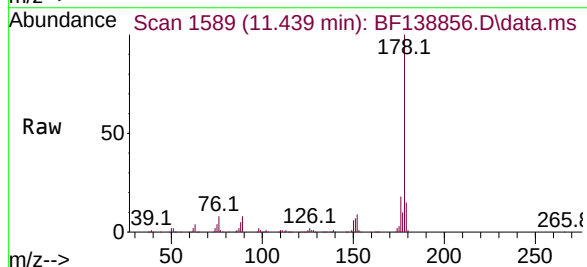
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

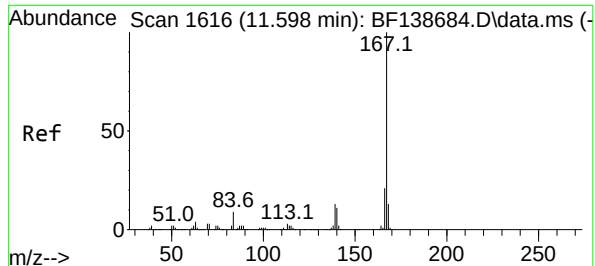
Tgt Ion:178 Resp: 404081
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.2 18.2



#72
Anthracene
Concen: 41.226 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:178 Resp: 402953
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.1 12.4 18.6





#73

Carbazole

Concen: 41.426 ng

RT: 11.598 min Scan# 1616

Delta R.T. -0.000 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

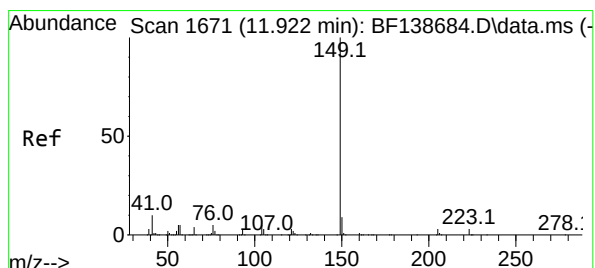
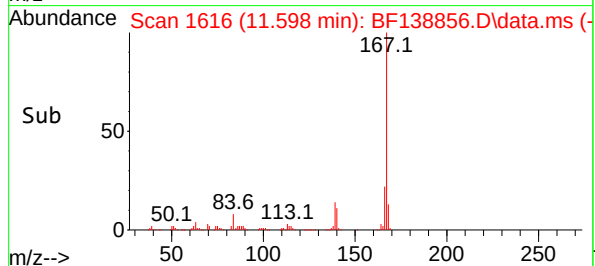
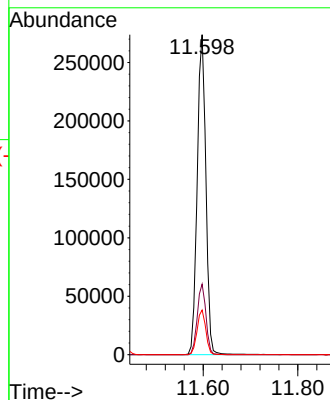
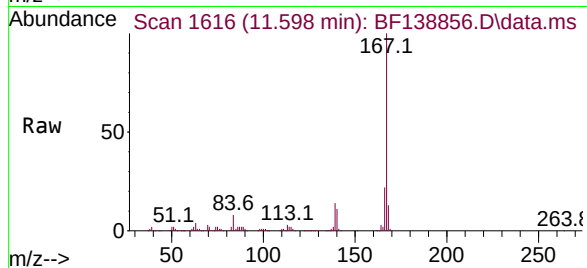
Tgt Ion:167 Resp: 349333

Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

139 14.0 10.6 16.0



#74

Di-n-butylphthalate

Concen: 45.365 ng

RT: 11.916 min Scan# 1670

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

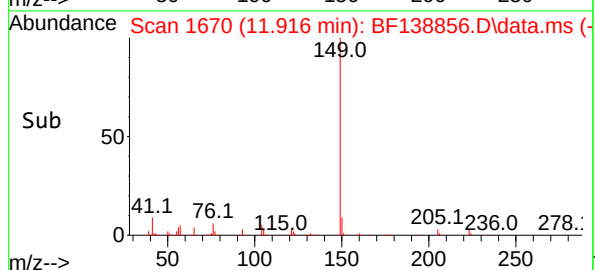
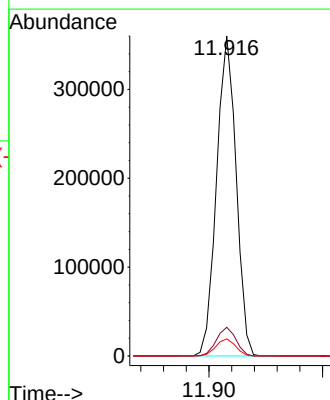
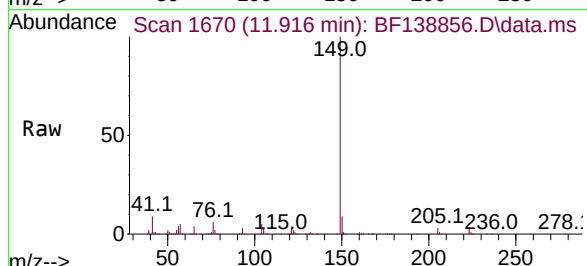
Tgt Ion:149 Resp: 430048

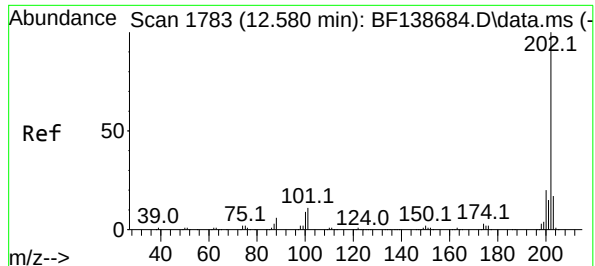
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 5.4 4.1 6.1

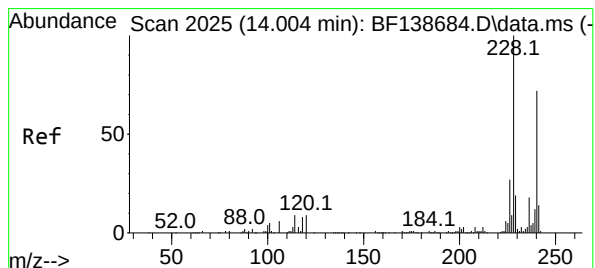
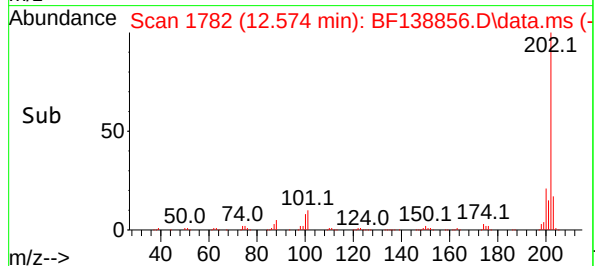
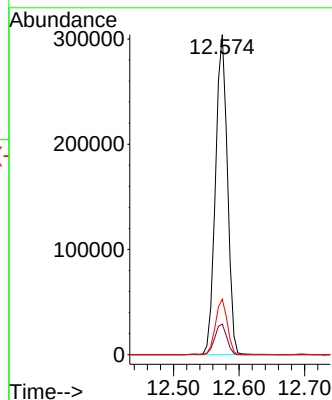
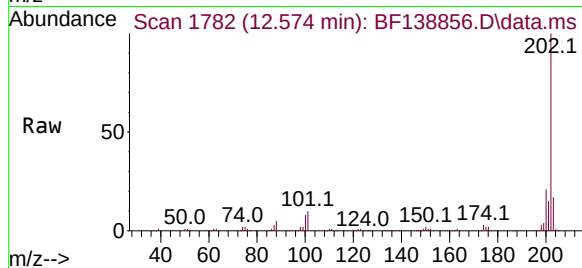




#75
Fluoranthene
Concen: 41.376 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

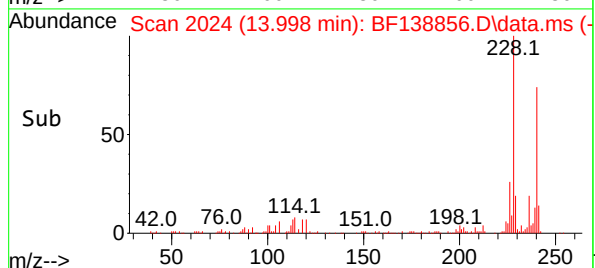
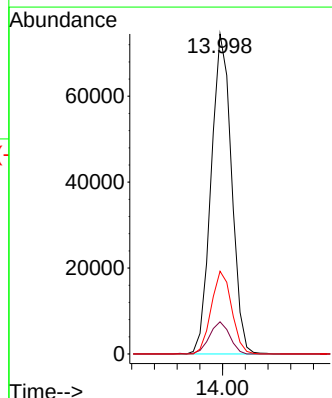
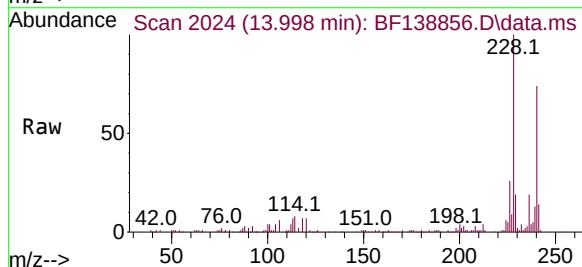
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

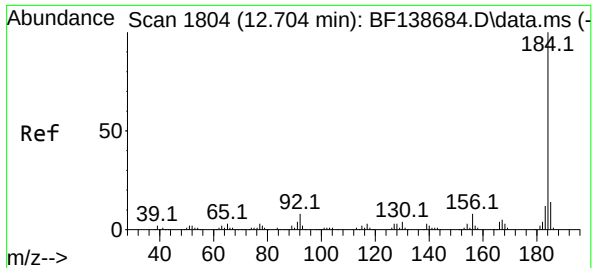
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.2
203	17.4	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	10.2	15.4#
236	25.8	19.8	29.8

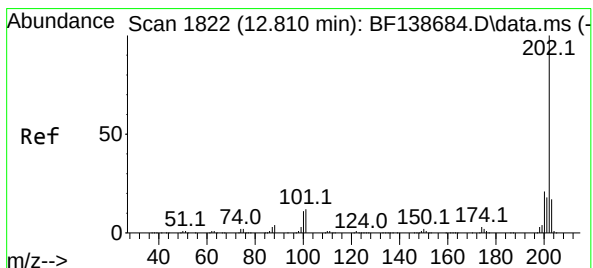
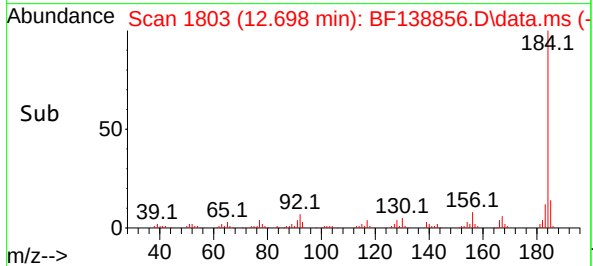
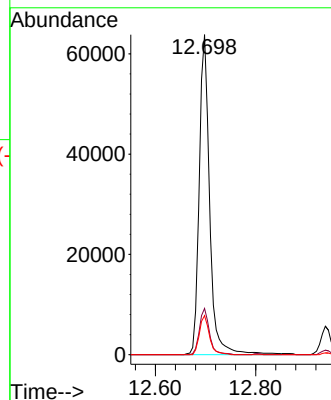
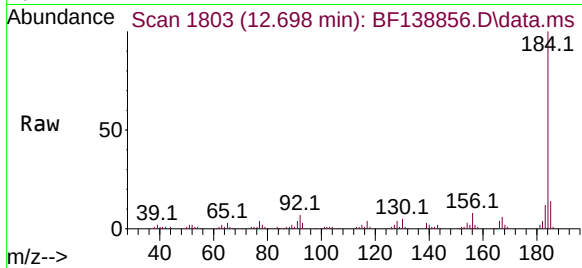




#77
Benzidine
Concen: 41.396 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

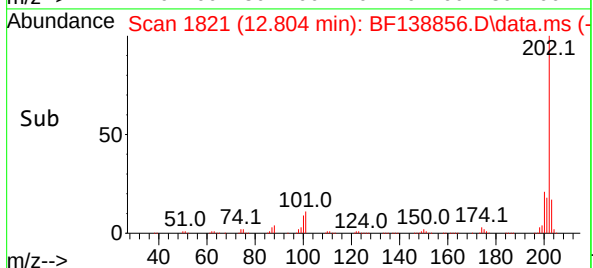
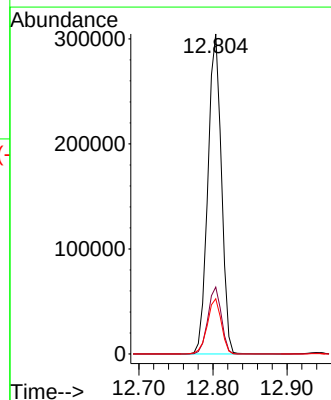
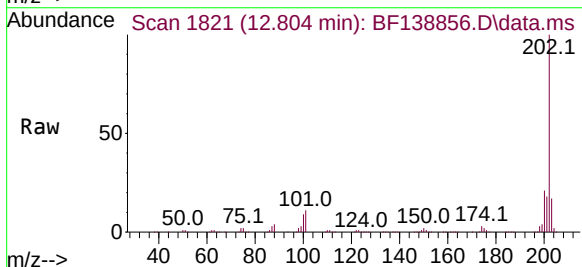
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

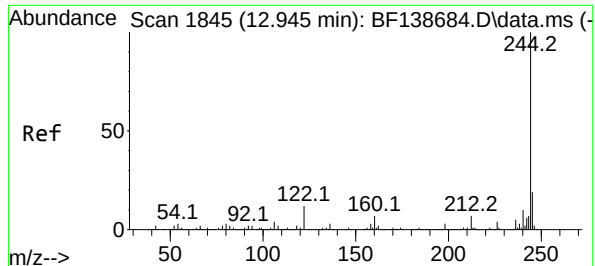
Tgt Ion:184 Resp: 91997
Ion Ratio Lower Upper
184 100
185 14.4 11.1 16.7
183 12.2 9.6 14.4



#78
Pyrene
Concen: 44.034 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:202 Resp: 385224
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 89.442 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

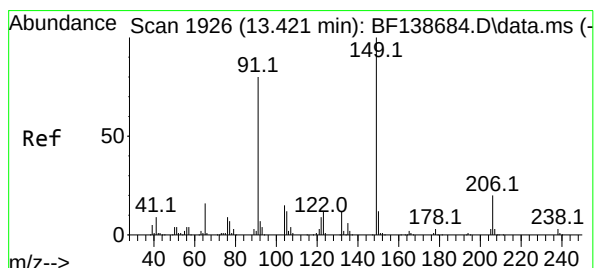
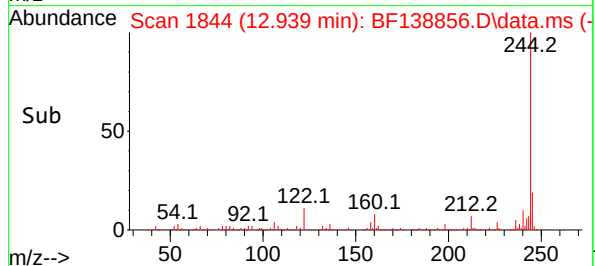
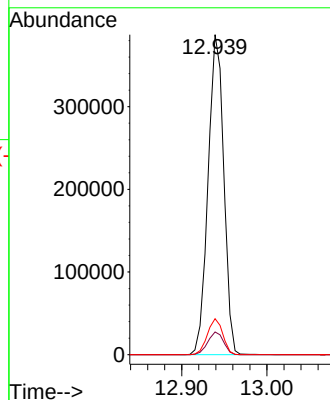
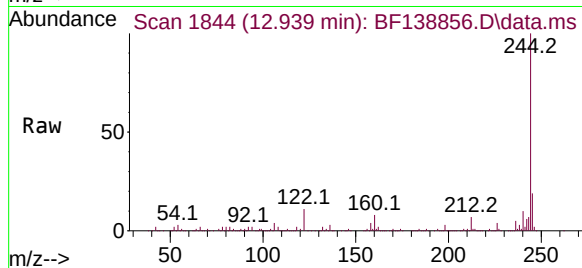
Tgt Ion:244 Resp: 496369

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.3 9.6 14.4



#80

Butylbenzylphthalate

Concen: 42.381 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

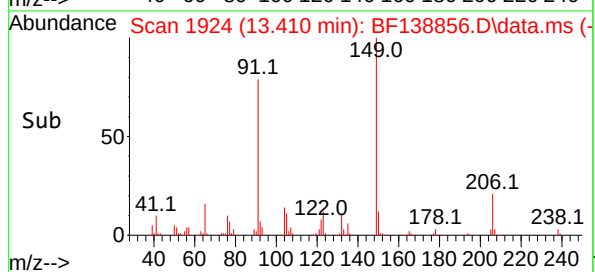
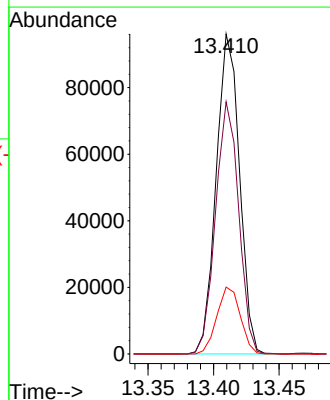
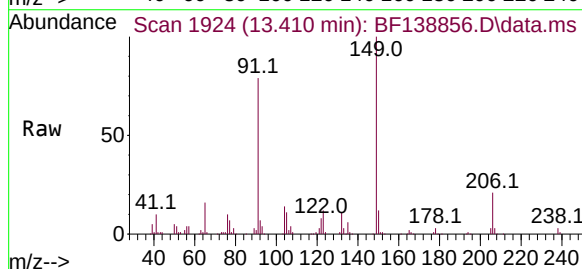
Tgt Ion:149 Resp: 118729

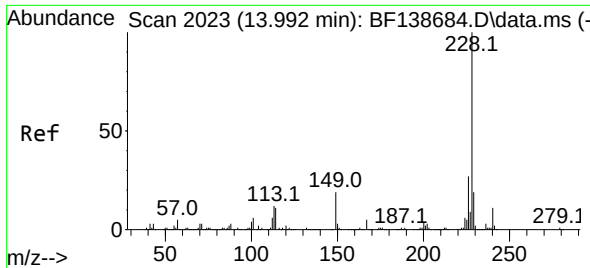
Ion Ratio Lower Upper

149 100

91 78.8 63.7 95.5

206 20.9 16.2 24.2

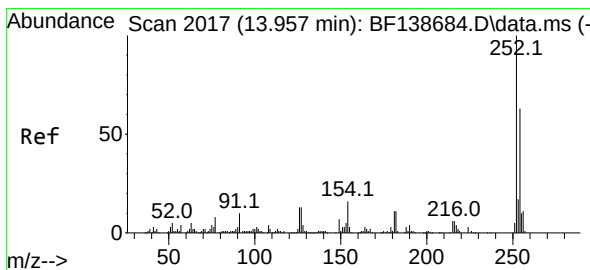
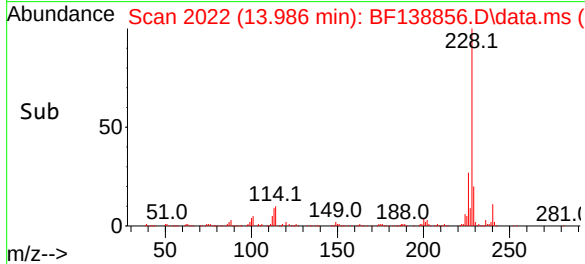
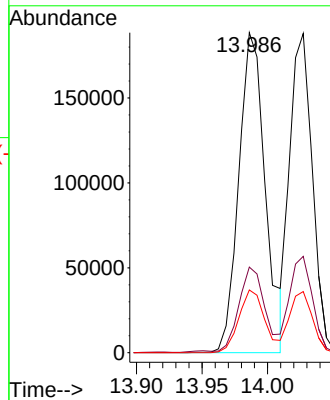
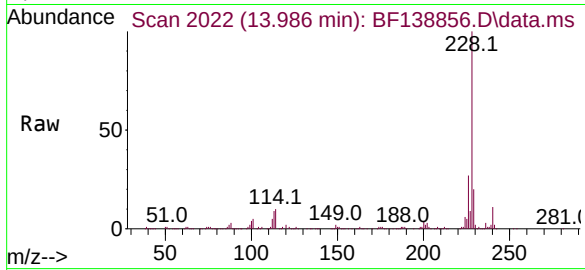




#81
Benzo(a)anthracene
Concen: 41.389 ng
RT: 13.986 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

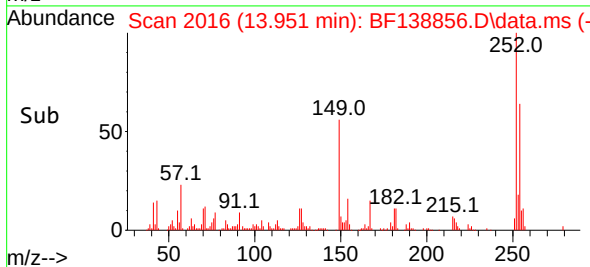
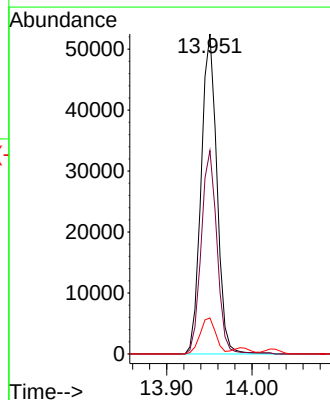
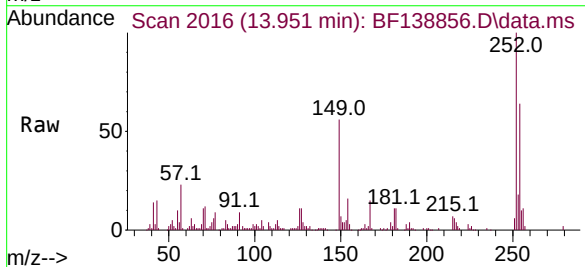
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

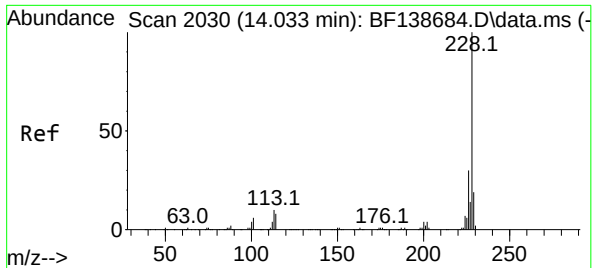
Tgt Ion:228 Resp: 264825
Ion Ratio Lower Upper
228 100
226 26.7 22.1 33.1
229 19.6 15.4 23.0



#82
3,3'-Dichlorobenzidine
Concen: 41.261 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:252 Resp: 67560
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 11.3 10.2 15.2

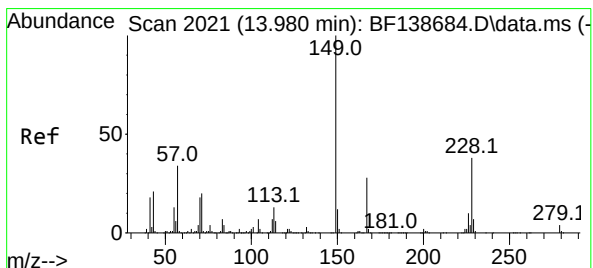
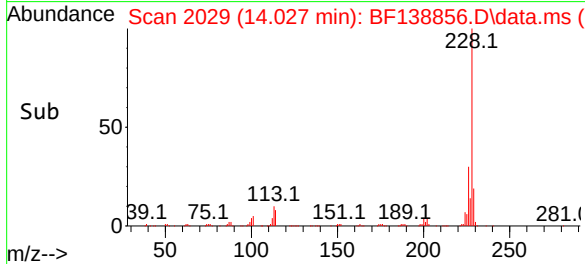
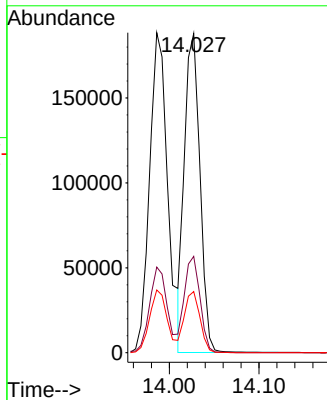
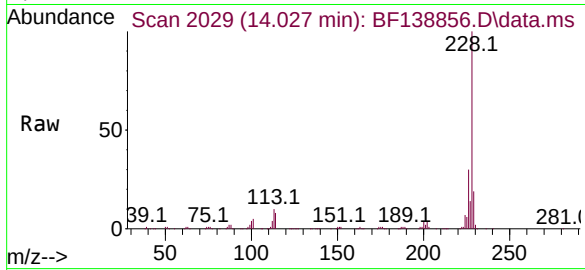




#83
Chrysene
Concen: 39.075 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

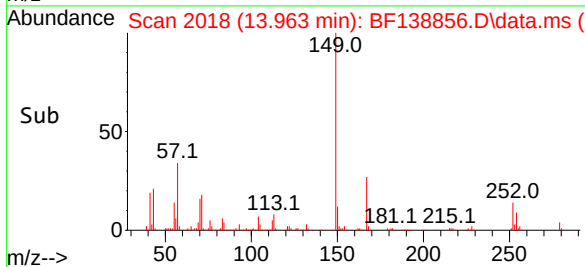
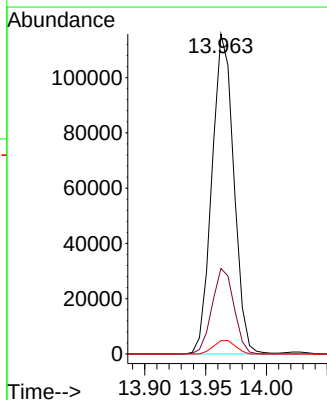
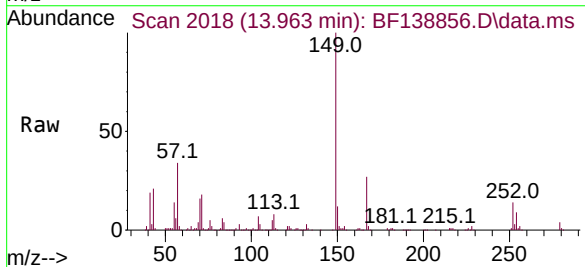
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

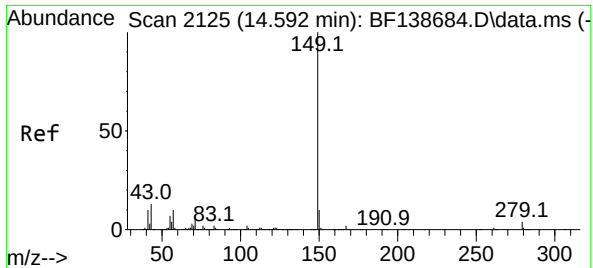
Tgt Ion:228 Resp: 225563
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 19.2 15.0 22.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 35.377 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:149 Resp: 145125
Ion Ratio Lower Upper
149 100
167 26.7 22.2 33.4
279 4.2 3.4 5.0

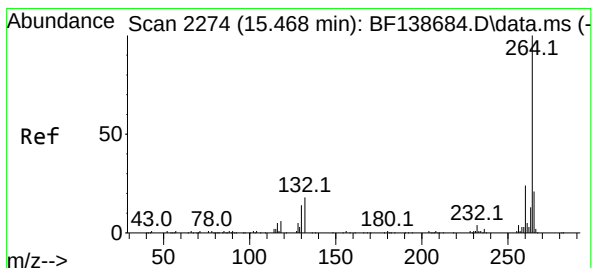
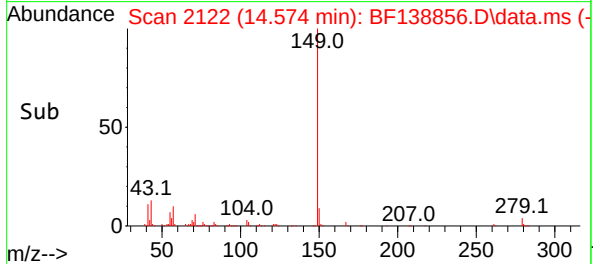
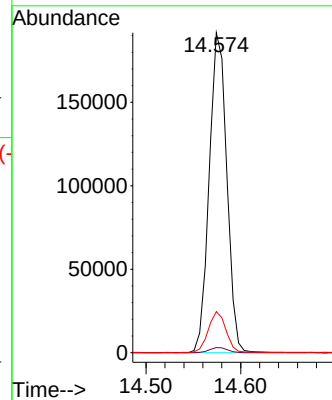
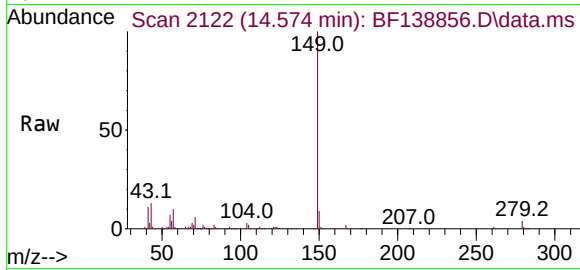




#85
Di-n-octyl phthalate
Concen: 32.609 ng
RT: 14.574 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

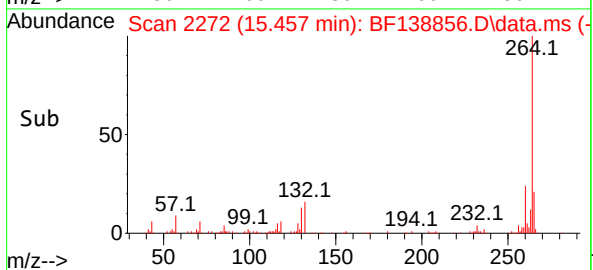
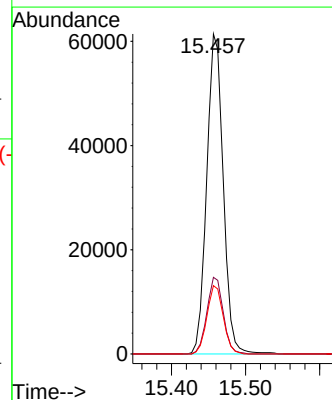
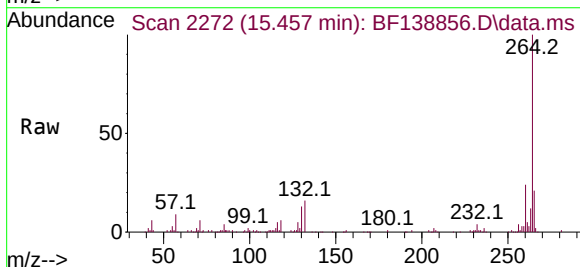
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

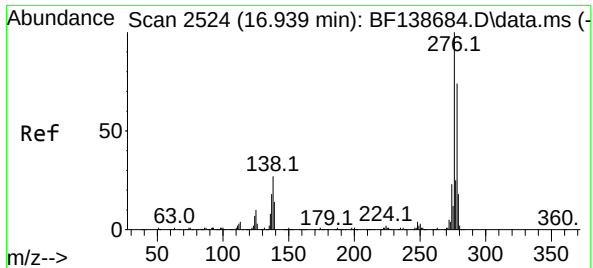
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.2	10.4	15.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.4	17.0	25.6

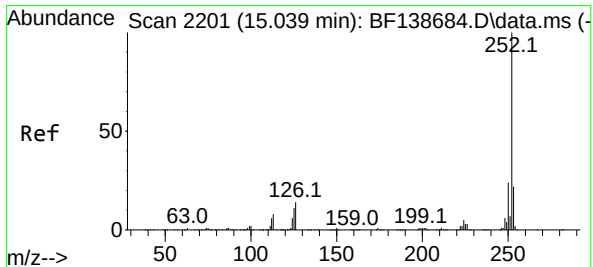
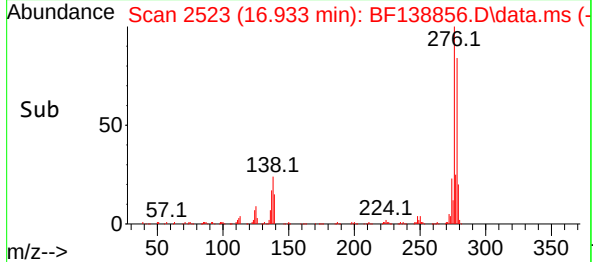
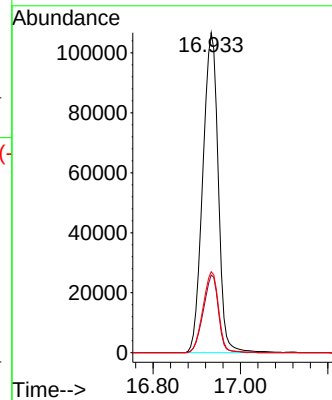
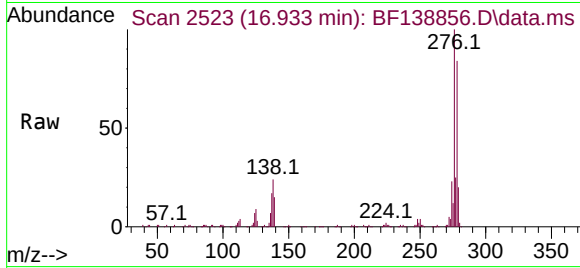




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.638 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

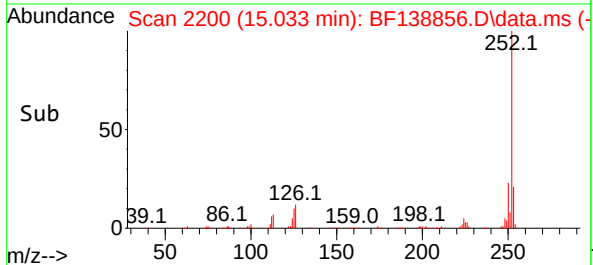
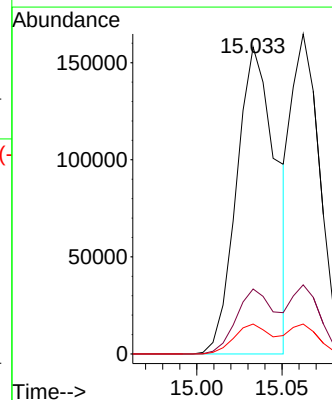
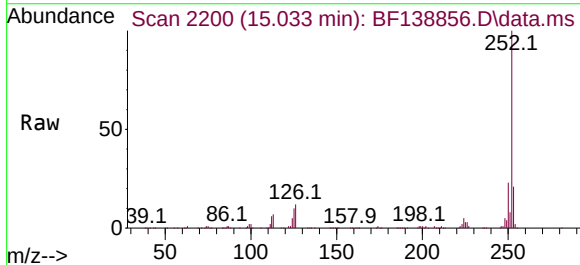
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

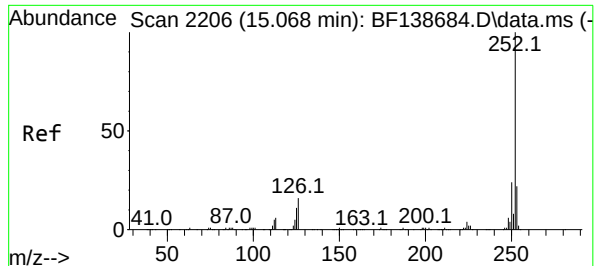
Tgt Ion:276 Resp: 263241
Ion Ratio Lower Upper
276 100
138 23.6 21.8 32.8
277 25.4 20.6 30.8



#88
Benzo(b)fluoranthene
Concen: 43.243 ng
RT: 15.033 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF138856.D
Acq: 08 Aug 2024 10:19

Tgt Ion:252 Resp: 254851
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 9.7 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 38.057 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

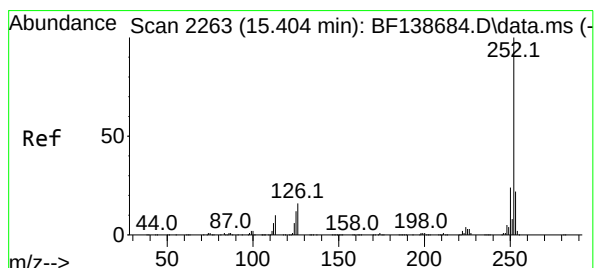
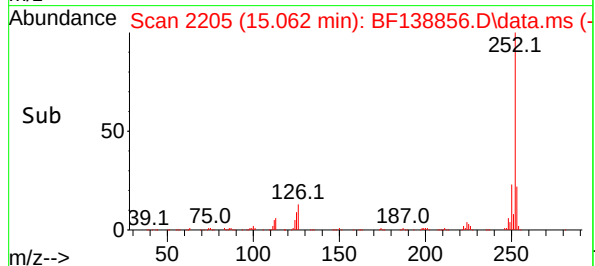
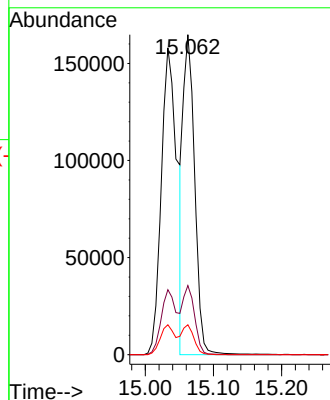
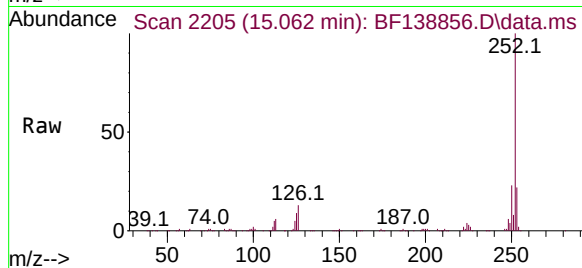
Tgt Ion:252 Resp: 194191

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 9.3 8.6 13.0



#90

Benzo(a)pyrene

Concen: 40.752 ng

RT: 15.398 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

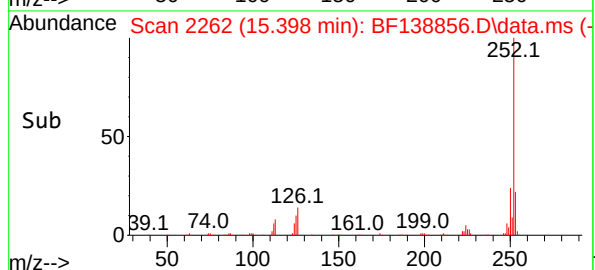
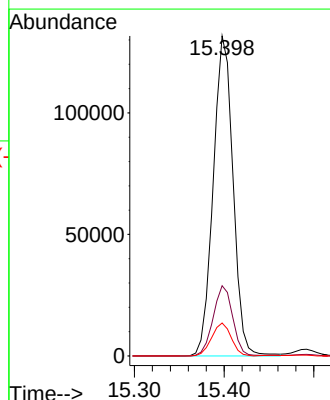
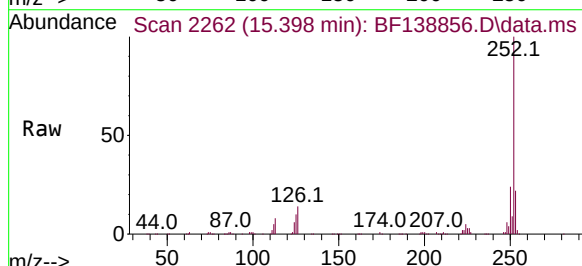
Tgt Ion:252 Resp: 202016

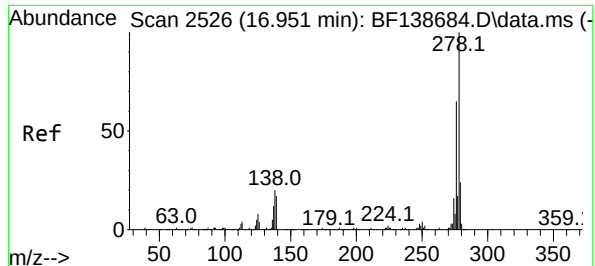
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.3 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 38.199 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

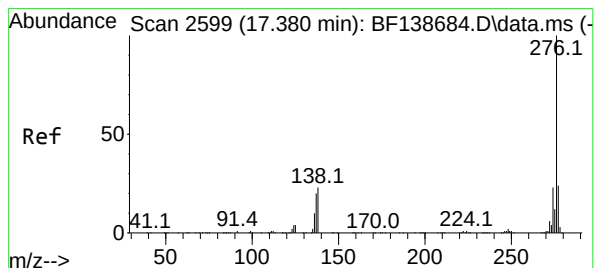
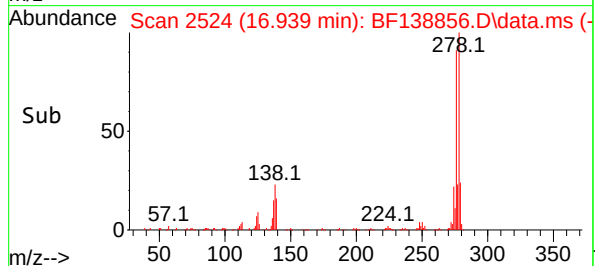
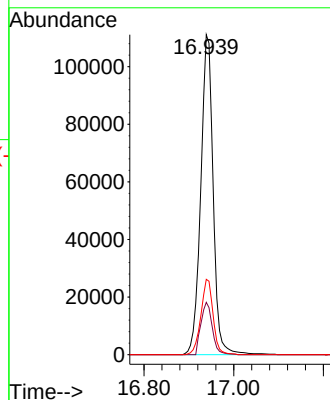
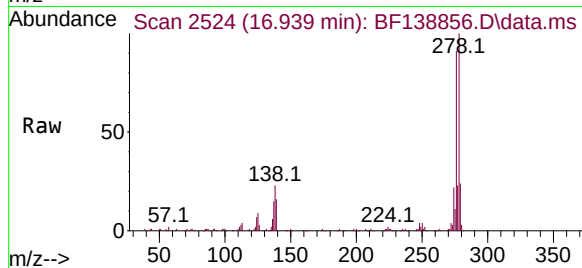
Tgt Ion:278 Resp: 213635

Ion Ratio Lower Upper

278 100

139 16.4 14.0 21.0

279 23.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 37.303 ng

RT: 17.374 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BF138856.D

Acq: 08 Aug 2024 10:19

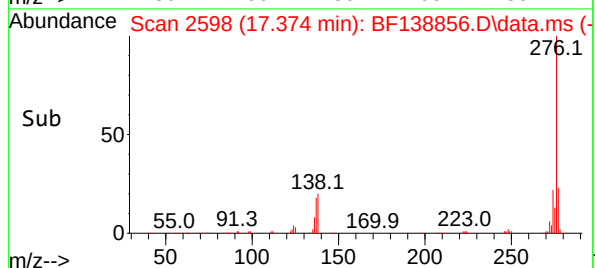
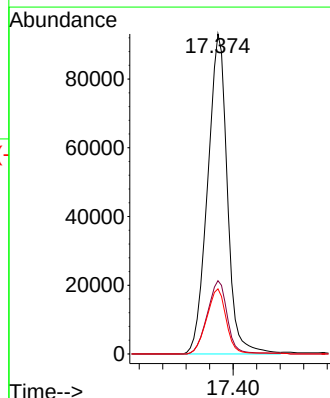
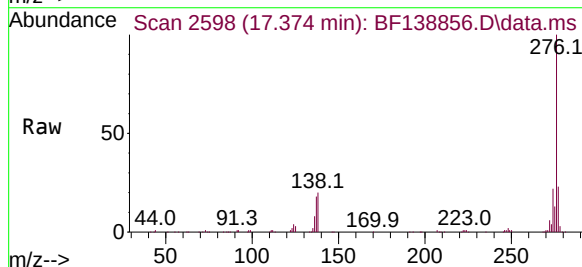
Tgt Ion:276 Resp: 216487

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.4

138 20.3 18.5 27.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138856.D
 Acq On : 08 Aug 2024 10:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 08 10:41:50 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	74	0.00
2	1,4-Dioxane	0.567	0.509	10.2	66	0.03
3	Pyridine	1.374	1.221	11.1	66	0.03
4	n-Nitrosodimethylamine	0.818	0.904	-10.5	83	0.05
5 S	2-Fluorophenol	1.296	1.292	0.3	75	0.00
6	Aniline	1.551	1.491	3.9	72	0.00
7 S	Phenol-d6	1.740	1.701	2.2	75	0.00
8	2-Chlorophenol	1.363	1.360	0.2	76	0.00
9	Benzaldehyde	1.043	0.907	13.0	75	0.00
10 C	Phenol	1.832	1.770	3.4	74	0.00
11	bis(2-Chloroethyl)ether	1.409	1.288	8.6	70	0.00
12	1,3-Dichlorobenzene	1.526	1.521	0.3	77	0.00
13 C	1,4-Dichlorobenzene	1.540	1.504	2.3	75	0.00
14	1,2-Dichlorobenzene	1.439	1.467	-1.9	78	0.00
15	Benzyl Alcohol	1.254	1.294	-3.2	79	0.00
16	2,2'-oxybis(1-Chloropropane	2.426	2.032	16.2	64	0.00
17	2-Methylphenol	1.126	1.115	1.0	75	0.00
18	Hexachloroethane	0.580	0.581	-0.2	76	0.00
19 P	n-Nitroso-di-n-propylamine	1.051	1.040	1.0	78	0.00
20	3+4-Methylphenols	1.444	1.489	-3.1	81	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	76	0.00
22	Acetophenone	0.490	0.503	-2.7	79	0.00
23 S	Nitrobenzene-d5	0.409	0.419	-2.4	78	0.00
24	Nitrobenzene	0.416	0.409	1.7	74	0.00
25	Isophorone	0.699	0.674	3.6	75	0.00
26 C	2-Nitrophenol	0.179	0.187	-4.5	77	0.00
27	2,4-Dimethylphenol	0.214	0.215	-0.5	76	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.396	6.8	72	0.00
29 C	2,4-Dichlorophenol	0.275	0.280	-1.8	77	0.00
30	1,2,4-Trichlorobenzene	0.318	0.325	-2.2	77	0.00
31	Naphthalene	1.053	1.039	1.3	75	0.00
32	Benzoic acid	0.168	0.140	16.7	64	0.04
33	4-Chloroaniline	0.353	0.342	3.1	75	0.00
34 C	Hexachlorobutadiene	0.192	0.205	-6.8	82	0.00
35	Caprolactam	0.082	0.083	-1.2	80	0.02
36 C	4-Chloro-3-methylphenol	0.315	0.322	-2.2	79	0.00
37	2-Methylnaphthalene	0.665	0.668	-0.5	78	0.00
38	1-Methylnaphthalene	0.652	0.653	-0.2	78	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
40	1,2,4,5-Tetrachlorobenzene	0.556	0.593	-6.7	82	0.00
41 P	Hexachlorocyclopentadiene	0.120	0.177	-47.5#	106	0.00
42 S	2,4,6-Tribromophenol	0.164	0.175	-6.7	83	0.00
43 C	2,4,6-Trichlorophenol	0.339	0.347	-2.4	78	0.00
44	2,4,5-Trichlorophenol	0.370	0.381	-3.0	78	0.00
45 S	2-Fluorobiphenyl	1.331	1.428	-7.3	83	0.00
46	1,1'-Biphenyl	1.566	1.625	-3.8	80	0.00
47	2-Chloronaphthalene	1.165	1.212	-4.0	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138856.D
 Acq On : 08 Aug 2024 10:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 08 10:41:50 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	0.416	-5.3	81	0.00
49	Acenaphthylene	1.652	1.708	-3.4	79	0.00
50	Dimethylphthalate	1.279	1.352	-5.7	83	0.00
51	2,6-Dinitrotoluene	0.289	0.315	-9.0	83	0.00
52 C	Acenaphthene	1.111	1.150	-3.5	80	0.00
53	3-Nitroaniline	0.298	0.319	-7.0	84	0.00
54 P	2,4-Dinitrophenol	0.133	0.152	-14.3	90	0.00
55	Dibenzofuran	1.568	1.630	-4.0	81	0.00
56 P	4-Nitrophenol	0.179	0.204	-14.0	88	0.01
57	2,4-Dinitrotoluene	0.368	0.416	-13.0	87	0.00
58	Fluorene	1.249	1.357	-8.6	85	0.00
59	2,3,4,6-Tetrachlorophenol	0.283	0.290	-2.5	80	0.00
60	Diethylphthalate	1.213	1.339	-10.4	88	0.00
61	4-Chlorophenyl-phenylether	0.614	0.662	-7.8	85	0.00
62	4-Nitroaniline	0.284	0.310	-9.2	86	0.00
63	Azobenzene	1.345	1.387	-3.1	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	0.122	0.132	-8.2	90	0.00
66 c	n-Nitrosodiphenylamine	0.625	0.631	-1.0	85	0.00
67	4-Bromophenyl-phenylether	0.217	0.221	-1.8	86	0.00
68	Hexachlorobenzene	0.224	0.233	-4.0	90	0.00
69	Atrazine	0.161	0.152	5.6	79	0.00
70 C	Pentachlorophenol	0.101	0.114	-12.9	94	0.00
71	Phenanthrene	1.030	1.049	-1.8	87	0.00
72	Anthracene	1.015	1.046	-3.1	88	0.00
73	Carbazole	0.875	0.906	-3.5	88	0.00
74	Di-n-butylphthalate	0.984	1.116	-13.4	95	0.00
75 C	Fluoranthene	0.961	0.994	-3.4	87	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77	Benzidine	0.478	0.495	-3.6	68	0.00
78	Pyrene	1.883	2.073	-10.1	87	0.00
79 S	Terphenyl-d14	1.195	1.336	-11.8	89	0.00
80	Butylbenzylphthalate	0.603	0.639	-6.0	75	-0.01
81	Benzo(a)anthracene	1.377	1.425	-3.5	75	0.00
82	3,3'-Dichlorobenzidine	0.352	0.364	-3.4	75	0.00
83	Chrysene	1.243	1.214	2.3	73	0.00
84	Bis(2-ethylhexyl)phthalate	0.883	0.781	11.6	61	-0.02
85 c	Di-n-octyl phthalate	1.634	1.332	18.5	56	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	63	-0.01
87	Indeno(1,2,3-cd)pyrene	1.433	1.384	3.4	62	0.00
88	Benzo(b)fluoranthene	1.240	1.340	-8.1	68	0.00
89	Benzo(k)fluoranthene	1.073	1.021	4.8	64	0.00
90 C	Benzo(a)pyrene	1.043	1.062	-1.8	65	0.00
91	Dibenzo(a,h)anthracene	1.177	1.124	4.5	62	-0.01
92	Benzo(g,h,i)perylene	1.221	1.139	6.7	60	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
Data File : BF138856.D
Acq On : 08 Aug 2024 10:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 08 10:41:50 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)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138856.D
 Acq On : 08 Aug 2024 10:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 08 10:41:50 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	74	0.00
2	1,4-Dioxane	40.000	35.884	10.3	66	0.03
3	Pyridine	40.000	35.549	11.1	66	0.03
4	n-Nitrosodimethylamine	40.000	44.168	-10.4	83	0.05
5 S	2-Fluorophenol	80.000	79.757	0.3	75	0.00
6	Aniline	40.000	38.441	3.9	72	0.00
7 S	Phenol-d6	80.000	78.240	2.2	75	0.00
8	2-Chlorophenol	40.000	39.896	0.3	76	0.00
9	Benzaldehyde	40.000	34.802	13.0	75	0.00
10 C	Phenol	40.000	38.647	3.4	74	0.00
11	bis(2-Chloroethyl)ether	40.000	36.544	8.6	70	0.00
12	1,3-Dichlorobenzene	40.000	39.881	0.3	77	0.00
13 C	1,4-Dichlorobenzene	40.000	39.067	2.3	75	0.00
14	1,2-Dichlorobenzene	40.000	40.780	-2.0	78	0.00
15	Benzyl Alcohol	40.000	41.280	-3.2	79	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	33.508	16.2	64	0.00
17	2-Methylphenol	40.000	39.608	1.0	75	0.00
18	Hexachloroethane	40.000	40.113	-0.3	76	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.579	1.1	78	0.00
20	3+4-Methylphenols	40.000	41.239	-3.1	81	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	76	0.00
22	Acetophenone	40.000	41.051	-2.6	79	0.00
23 S	Nitrobenzene-d5	80.000	81.891	-2.4	78	0.00
24	Nitrobenzene	40.000	39.333	1.7	74	0.00
25	Isophorone	40.000	38.616	3.5	75	0.00
26 C	2-Nitrophenol	40.000	41.807	-4.5	77	0.00
27	2,4-Dimethylphenol	40.000	40.108	-0.3	76	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.263	6.8	72	0.00
29 C	2,4-Dichlorophenol	40.000	40.605	-1.5	77	0.00
30	1,2,4-Trichlorobenzene	40.000	40.879	-2.2	77	0.00
31	Naphthalene	40.000	39.473	1.3	75	0.00
32	Benzoic acid	40.000	33.178	17.1	64	0.04
33	4-Chloroaniline	40.000	38.662	3.3	75	0.00
34 C	Hexachlorobutadiene	40.000	42.703	-6.8	82	0.00
35	Caprolactam	40.000	40.455	-1.1	80	0.02
36 C	4-Chloro-3-methylphenol	40.000	40.954	-2.4	79	0.00
37	2-Methylnaphthalene	40.000	40.161	-0.4	78	0.00
38	1-Methylnaphthalene	40.000	40.115	-0.3	78	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	76	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	42.700	-6.8	82	0.00
41 P	Hexachlorocyclopentadiene	40.000	50.917	-27.3#	106	0.00
42 S	2,4,6-Tribromophenol	80.000	85.400	-6.8	83	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.033	-2.6	78	0.00
44	2,4,5-Trichlorophenol	40.000	41.185	-3.0	78	0.00
45 S	2-Fluorobiphenyl	80.000	85.853	-7.3	83	0.00
46	1,1'-Biphenyl	40.000	41.494	-3.7	80	0.00
47	2-Chloronaphthalene	40.000	41.604	-4.0	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138856.D
 Acq On : 08 Aug 2024 10:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Aug 08 10:41:50 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	42.116	-5.3	81	0.00
49	Acenaphthylene	40.000	41.348	-3.4	79	0.00
50	Dimethylphthalate	40.000	42.297	-5.7	83	0.00
51	2,6-Dinitrotoluene	40.000	43.609	-9.0	83	0.00
52 C	Acenaphthene	40.000	41.418	-3.5	80	0.00
53	3-Nitroaniline	40.000	42.823	-7.1	84	0.00
54 P	2,4-Dinitrophenol	40.000	45.719	-14.3	90	0.00
55	Dibenzofuran	40.000	41.594	-4.0	81	0.00
56 P	4-Nitrophenol	40.000	45.483	-13.7	88	0.01
57	2,4-Dinitrotoluene	40.000	45.211	-13.0	87	0.00
58	Fluorene	40.000	43.461	-8.7	85	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.031	-2.6	80	0.00
60	Diethylphthalate	40.000	44.170	-10.4	88	0.00
61	4-Chlorophenyl-phenylether	40.000	43.140	-7.9	85	0.00
62	4-Nitroaniline	40.000	43.759	-9.4	86	0.00
63	Azobenzene	40.000	41.265	-3.2	81	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.259	-8.1	90	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.351	-0.9	85	0.00
67	4-Bromophenyl-phenylether	40.000	40.813	-2.0	86	0.00
68	Hexachlorobenzene	40.000	41.705	-4.3	90	0.00
69	Atrazine	40.000	37.672	5.8	79	0.00
70 C	Pentachlorophenol	40.000	45.078	-12.7	94	0.00
71	Phenanthrene	40.000	40.727	-1.8	87	0.00
72	Anthracene	40.000	41.226	-3.1	88	0.00
73	Carbazole	40.000	41.426	-3.6	88	0.00
74	Di-n-butylphthalate	40.000	45.365	-13.4	95	0.00
75 C	Fluoranthene	40.000	41.376	-3.4	87	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	74	0.00
77	Benzydine	40.000	41.396	-3.5	68	0.00
78	Pyrene	40.000	44.034	-10.1	87	0.00
79 S	Terphenyl-d14	80.000	89.442	-11.8	89	0.00
80	Butylbenzylphthalate	40.000	42.381	-6.0	75	-0.01
81	Benzo(a)anthracene	40.000	41.389	-3.5	75	0.00
82	3,3'-Dichlorobenzidine	40.000	41.261	-3.2	75	0.00
83	Chrysene	40.000	39.075	2.3	73	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	35.377	11.6	61	-0.02
85 c	Di-n-octyl phthalate	40.000	32.609	18.5	56	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	63	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.638	3.4	62	0.00
88	Benzo(b)fluoranthene	40.000	43.243	-8.1	68	0.00
89	Benzo(k)fluoranthene	40.000	38.057	4.9	64	0.00
90 C	Benzo(a)pyrene	40.000	40.752	-1.9	65	0.00
91	Dibenzo(a,h)anthracene	40.000	38.199	4.5	62	-0.01
92	Benzo(g,h,i)perylene	40.000	37.303	6.7	60	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
Data File : BF138856.D
Acq On : 08 Aug 2024 10:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 08 10:41:50 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 = 0



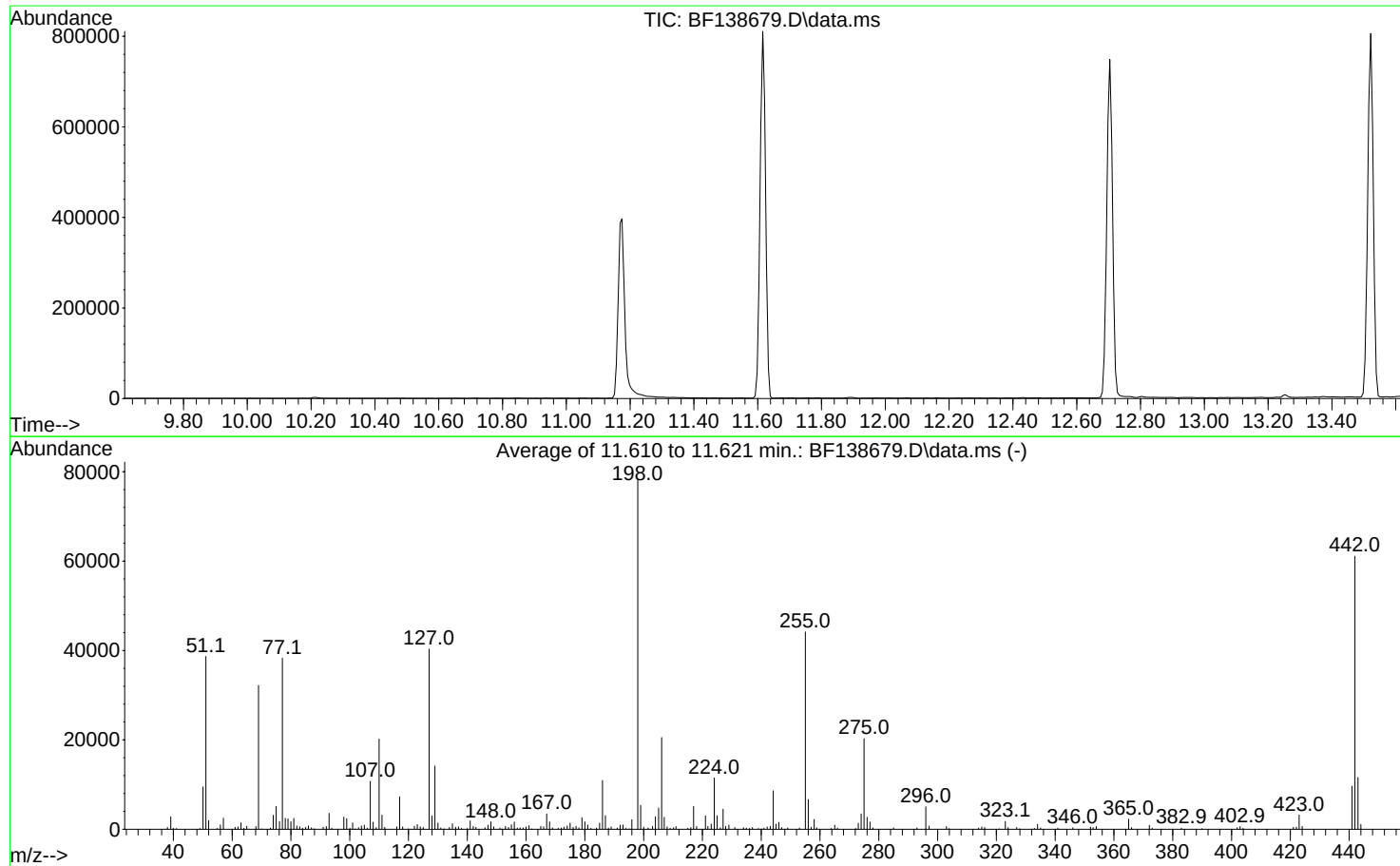
QC SAMPLE DATA

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



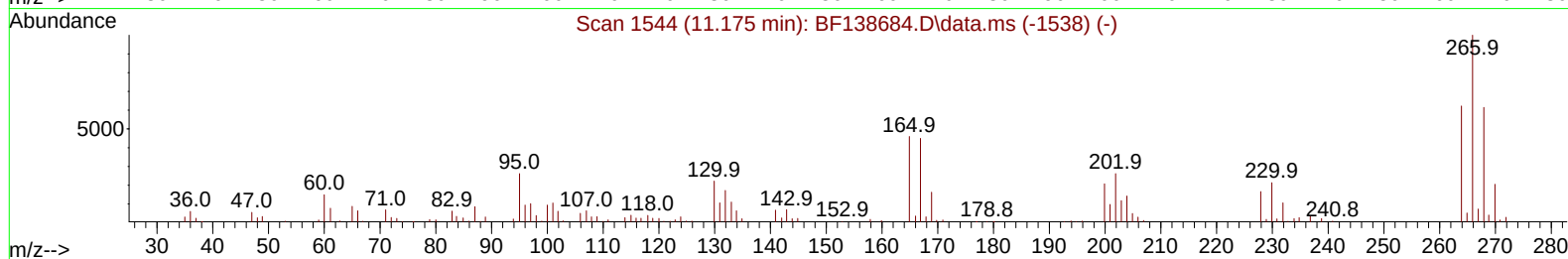
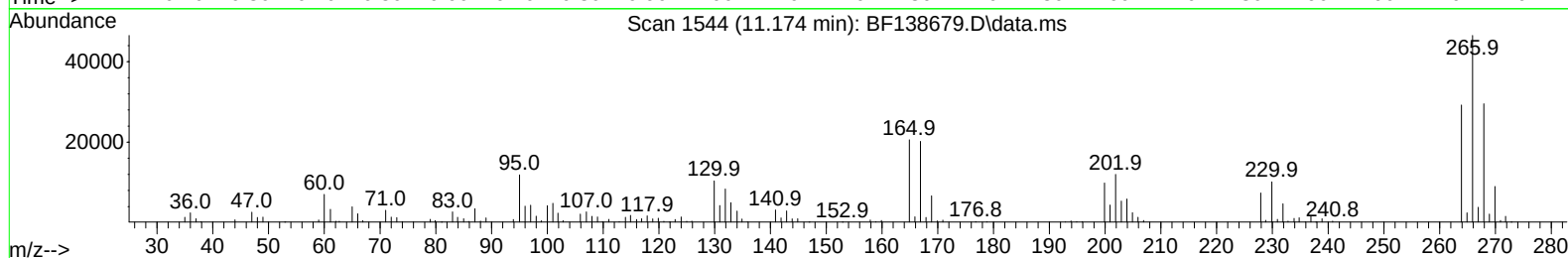
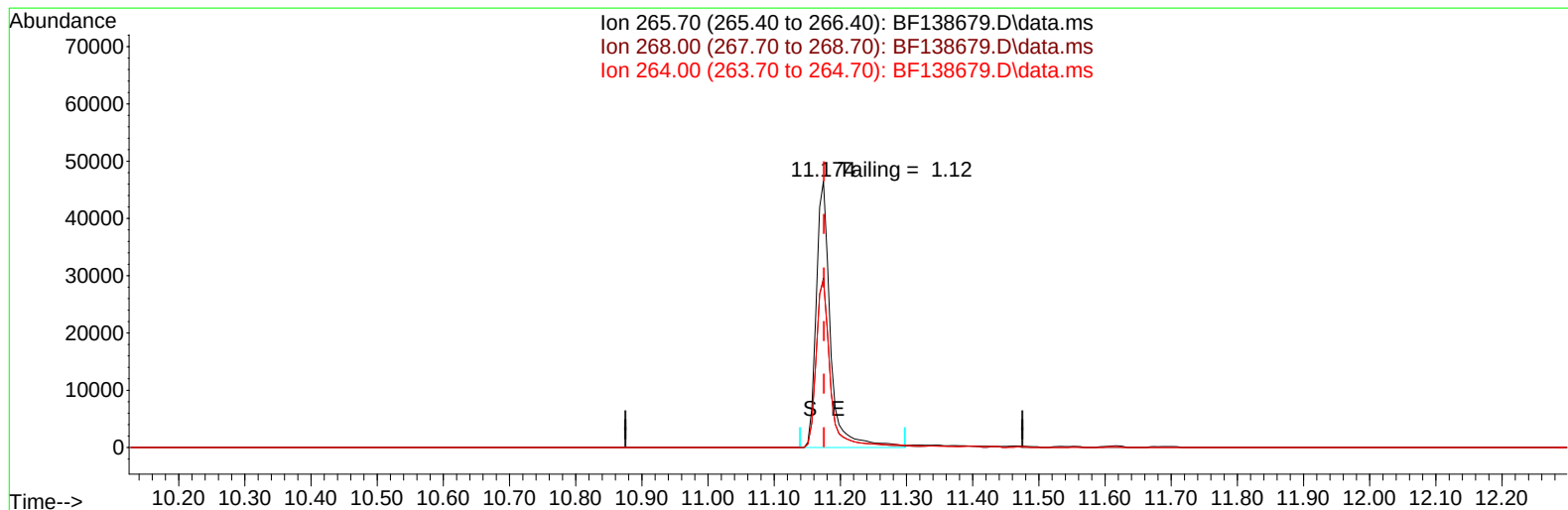
AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

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

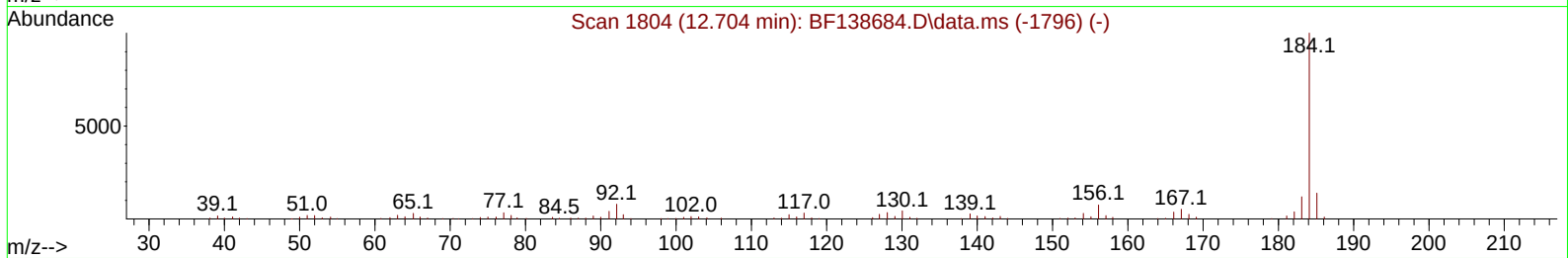
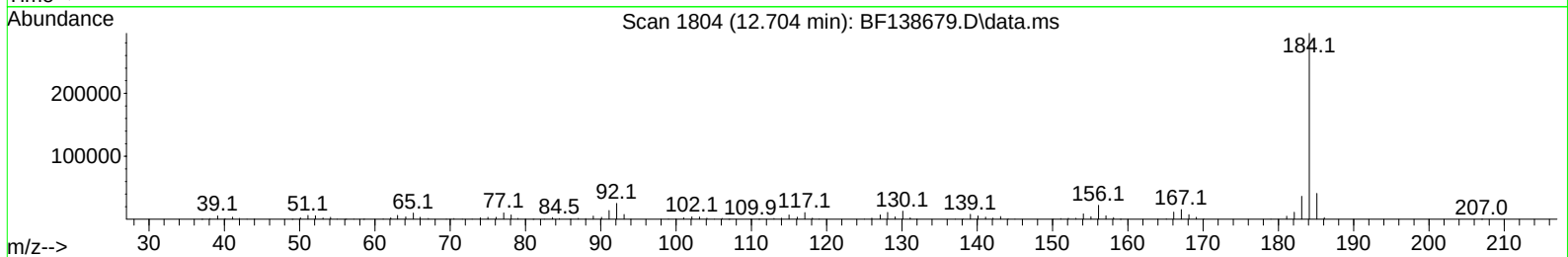
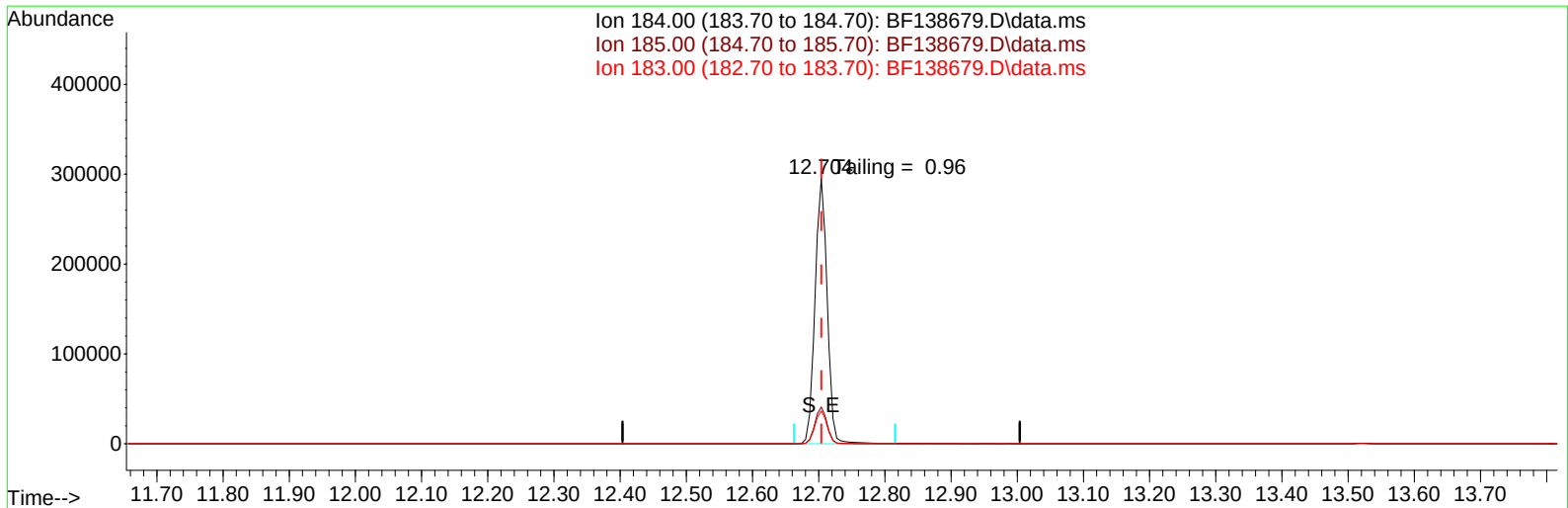
response 69604

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

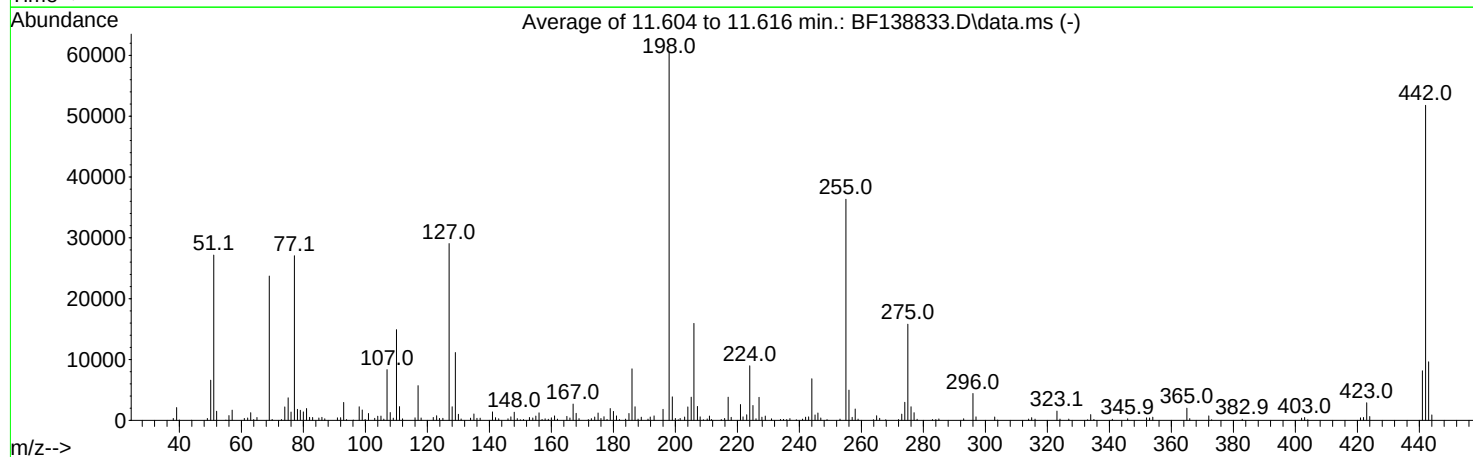
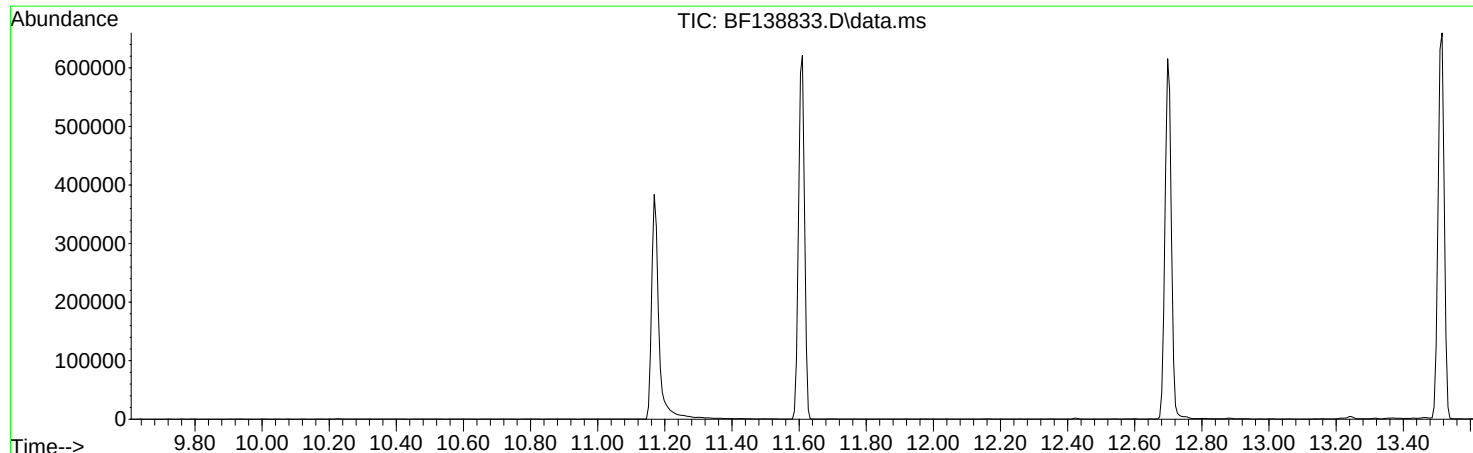
Date	Instrument Name	DFTPP Data File
7/30/2024	BNA_F	<u>BF138679.D</u>
Compound Name	Response	Retention Time
DDT	187682	13.521
DDD	3715	13.251
DDE	369	12.886
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4084	191766	2.13

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



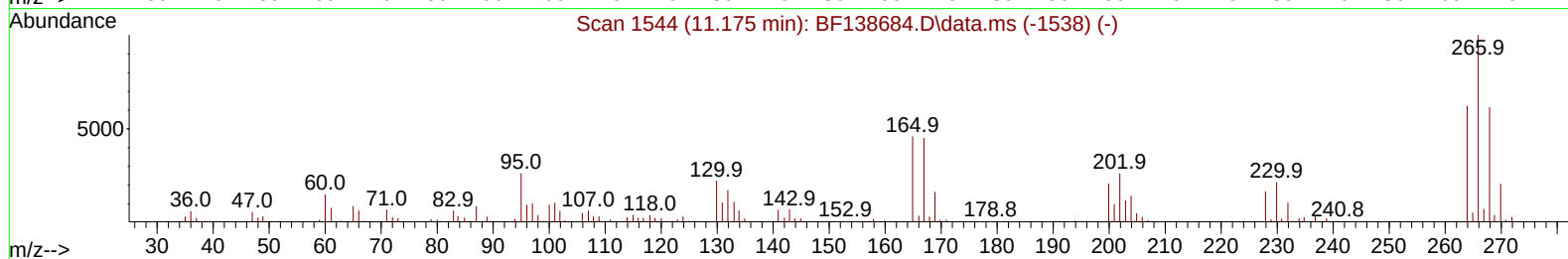
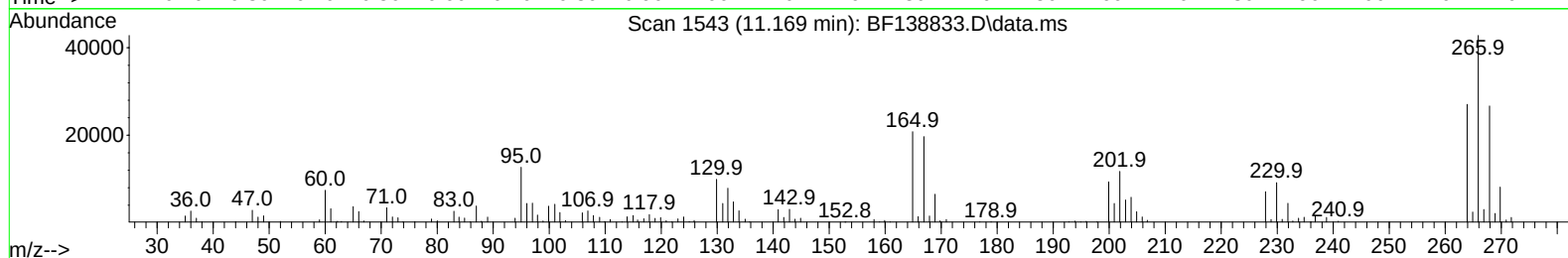
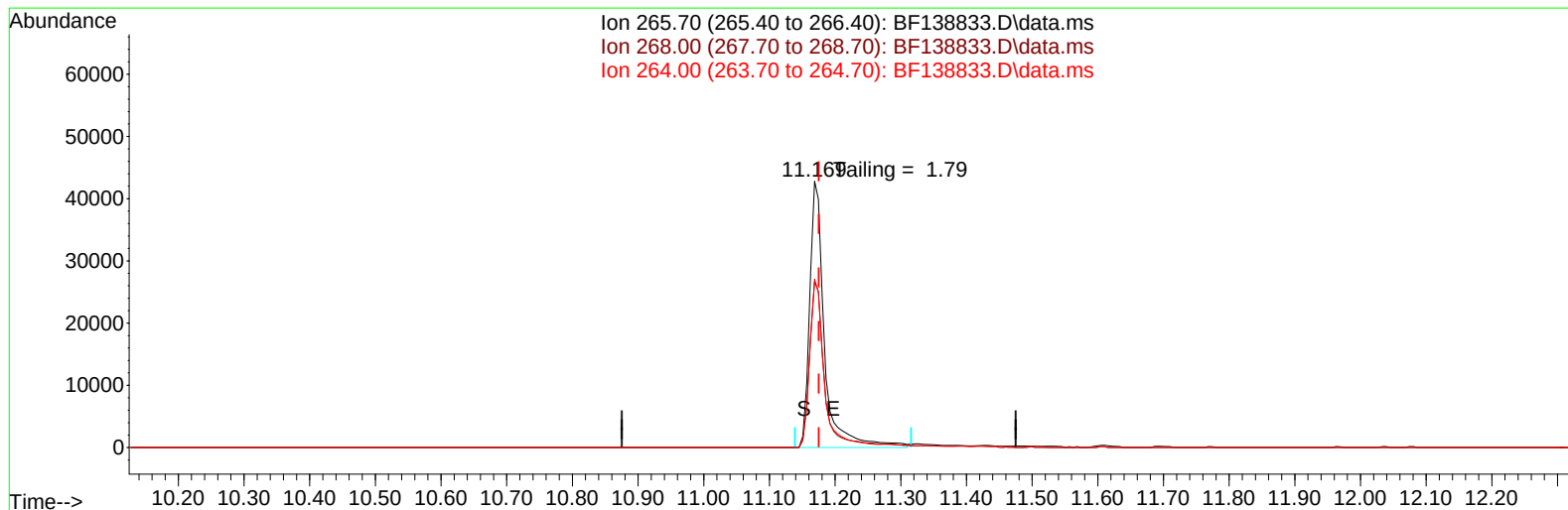
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1611

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

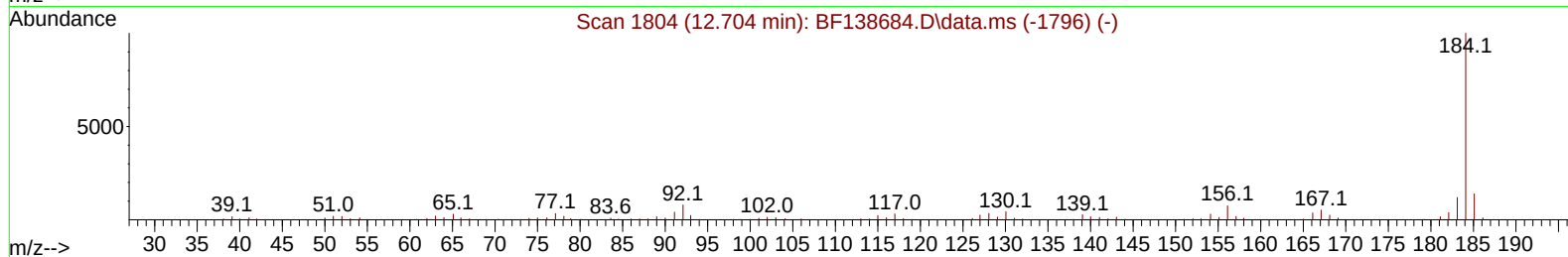
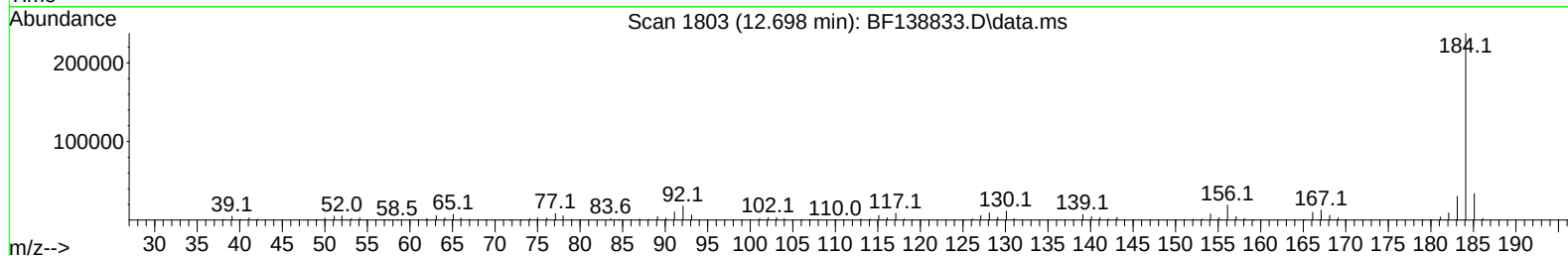
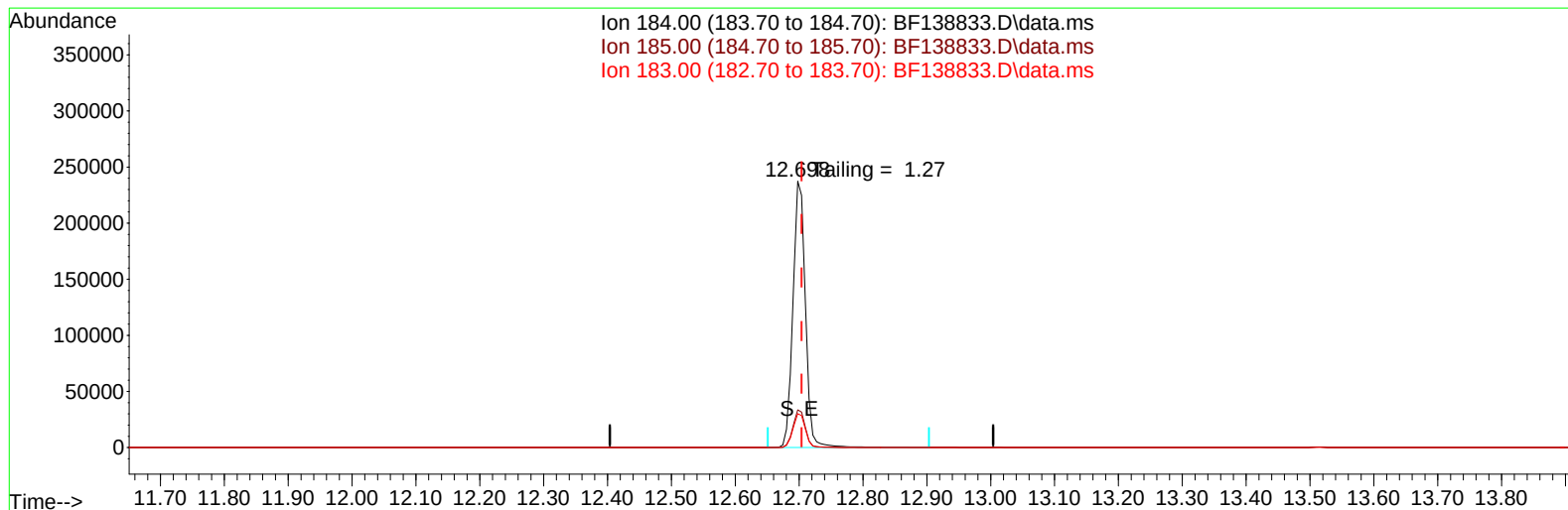
response 68125

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

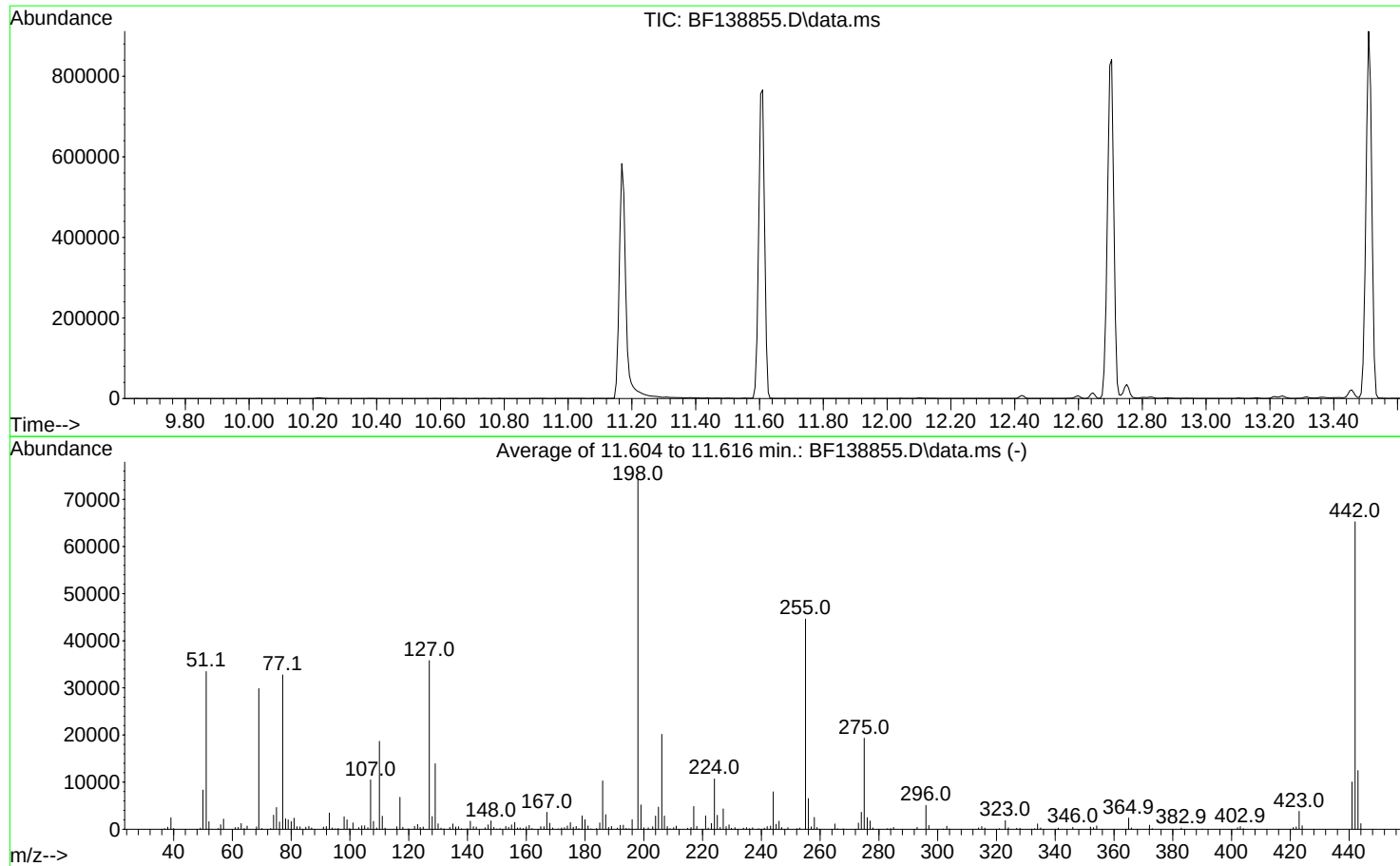
Date	Instrument Name	DFTPP Data File
8/7/2024	BNA_F	<u>BF138833.D</u>
Compound Name	Response	Retention Time
DDT	163406	13.516
DDD	2660	13.245
DDE	908	12.88
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3568	166974	2.14

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
Data File : BF138855.D
Acq On : 08 Aug 2024 09:48
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



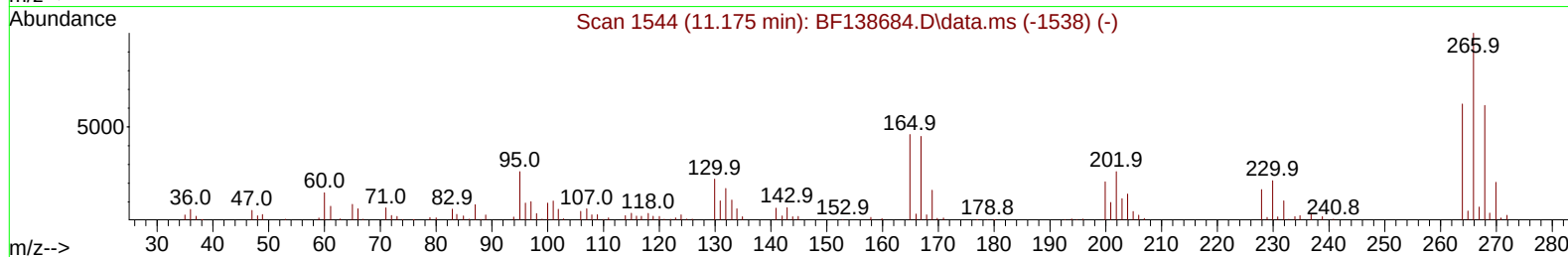
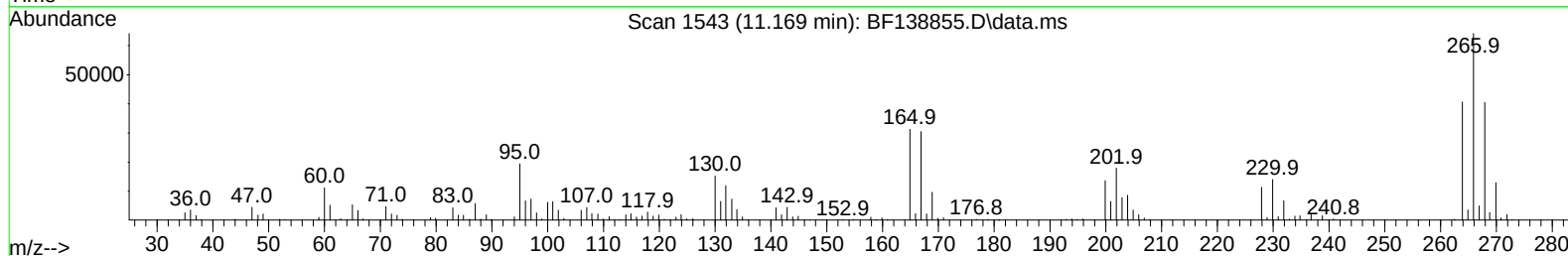
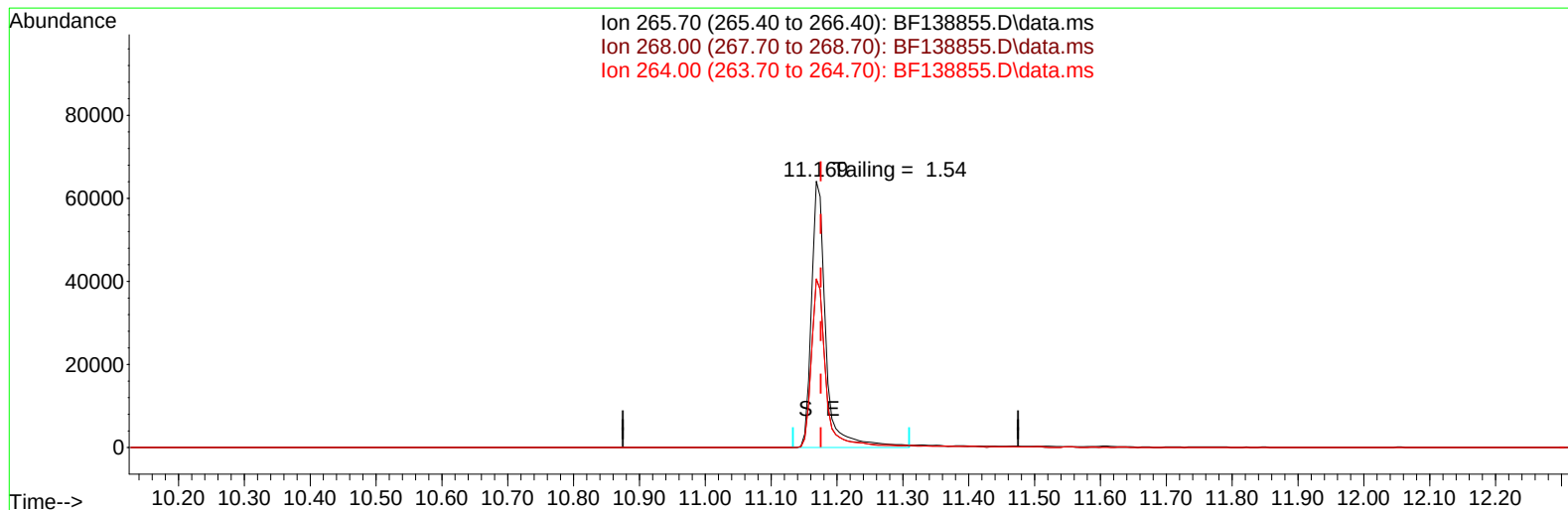
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.1	33485	PASS
68	69	0.00	2	1.8	533	PASS
69	198	0.00	100	40.2	29851	PASS
70	69	0.00	2	0.6	170	PASS
127	198	10	80	48.2	35784	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	74200	PASS
199	198	5	9	7.0	5162	PASS
275	198	10	60	26.1	19335	PASS
365	198	1	100	3.2	2383	PASS
441	198	0.01	100	13.5	10052	PASS
442	442	50	100	100.0	65256	PASS
443	442	15	24	19.1	12449	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
Data File : BF138855.D
Acq On : 08 Aug 2024 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 08 11:42:46 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: BF138855.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 345616.00 ng

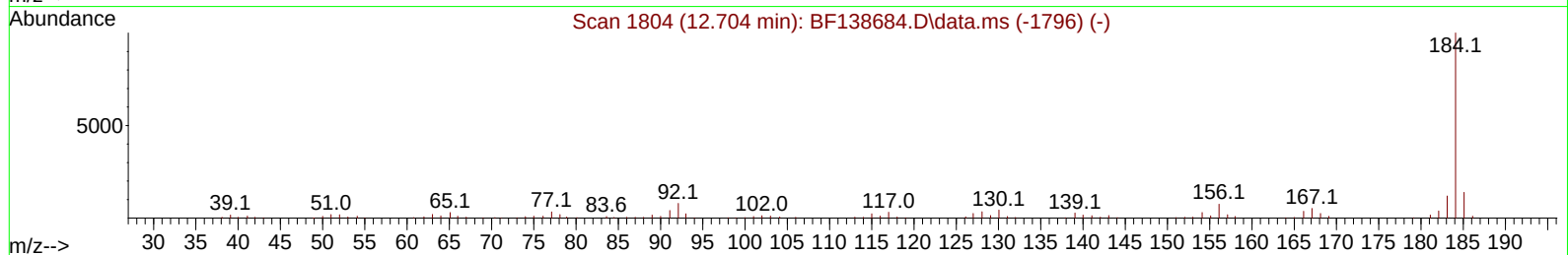
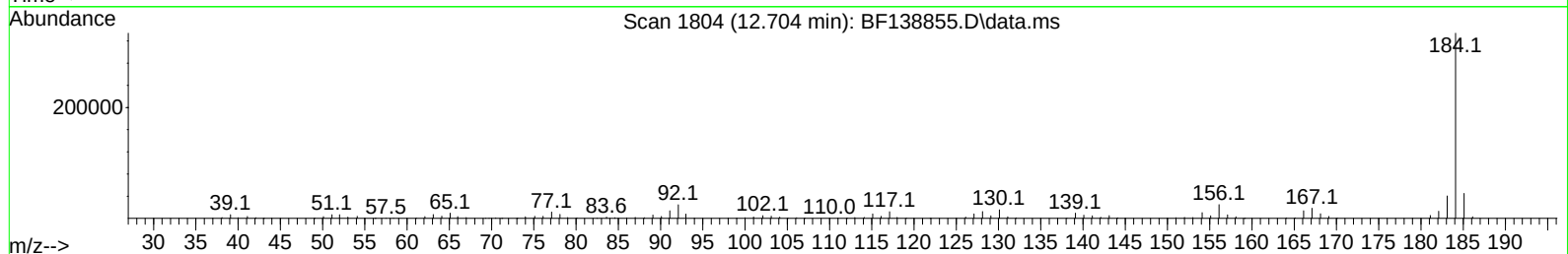
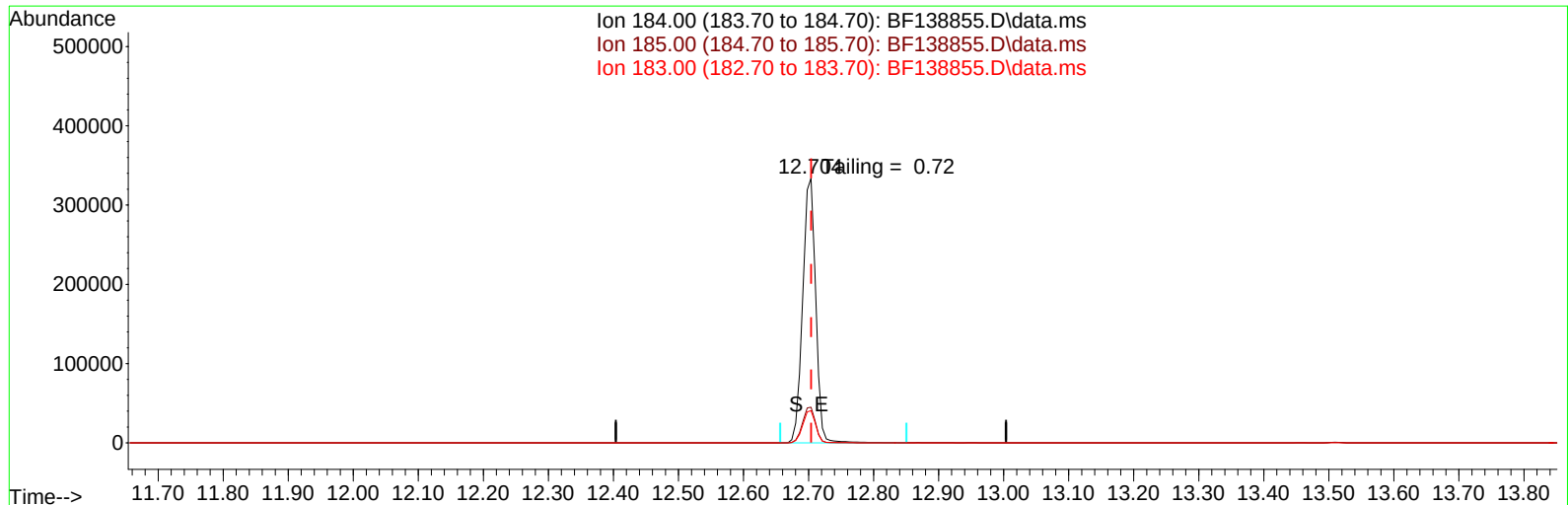
response 97523

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.19
264.00	62.20	63.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
Data File : BF138855.D
Acq On : 08 Aug 2024 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 08 11:42:46 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: BF138855.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 466147

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.51
183.00	12.00	12.16
0.00	0.00	0.00

Instrument :

BNA_F

ClientSampleId :

DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/8/2024	BNA_F	<u>BF138855.D</u>
Compound Name	Response	Retention Time
DDT	222446	13.51
DDD	4067	13.239
DDE	545	12.88
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4612	227058	2.03

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162463BL	SDG No.:	P3440
Lab Sample ID:	PB162463BL	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
BF138836.D	1	08/02/24 09:23	08/07/24 11:59	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162463BL	SDG No.:	P3440
Lab Sample ID:	PB162463BL	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
BF138836.D	1	08/02/24 09:23	08/07/24 11:59	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		30 (49) - 130 (133)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.7		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		15 (32) - 110 (145)	97%	SPK: 150
1718-51-0	Terphenyl-d14	104		30 (36) - 130 (145)	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45900	6.84			
1146-65-2	Naphthalene-d8	190000	8.122			
15067-26-2	Acenaphthene-d10	110000	9.875			
1517-22-2	Phenanthrene-d10	205000	11.363			
1719-03-5	Chrysene-d12	119000	13.998			
1520-96-3	Perylene-d12	83100	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\BF080724\
Data File : BF138836.D
Acq On : 07 Aug 2024 11:59
Operator : RC/JU
Sample : PB162463BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162463BL

Quant Time: Aug 07 12:38:11 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	45858	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	189947	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	110215	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	204848	20.000	ng	0.00
76) Chrysene-d12	13.998	240	119313	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	83107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	388995	130.942	ng	0.01
7) Phenol-d6	6.487	99	510378	127.961	ng	0.00
23) Nitrobenzene-d5	7.404	82	338428	87.110	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	130796	144.877	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	636161	86.724	ng	0.00
79) Terphenyl-d14	12.945	244	740902	103.968	ng	0.00

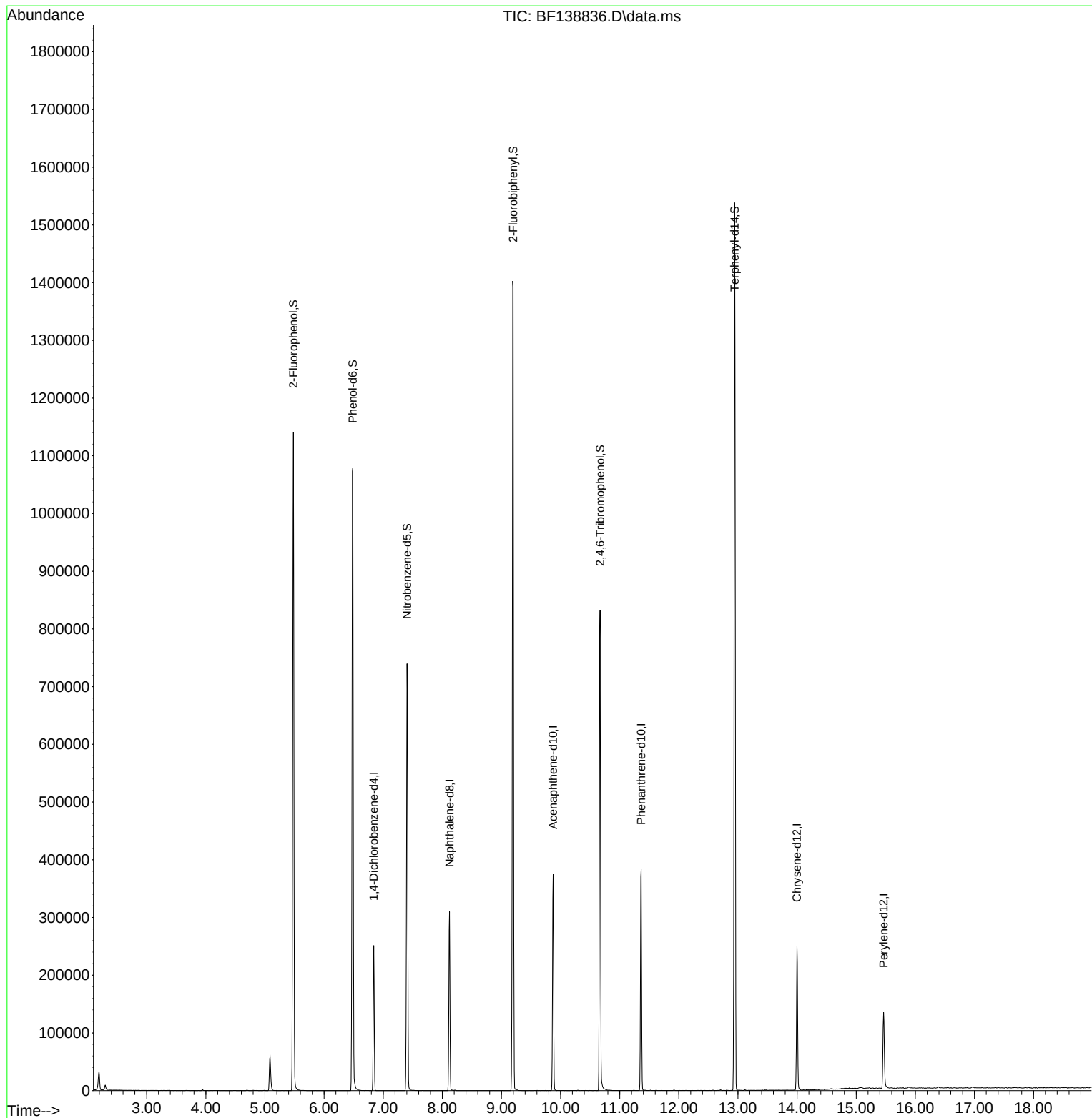
Target Compounds	Qvalue

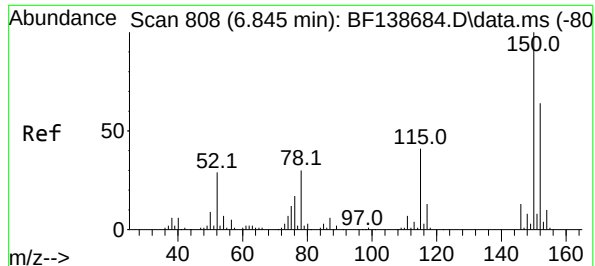
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138836.D
Acq On : 07 Aug 2024 11:59
Operator : RC/JU
Sample : PB162463BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162463BL

Quant Time: Aug 07 12:38:11 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

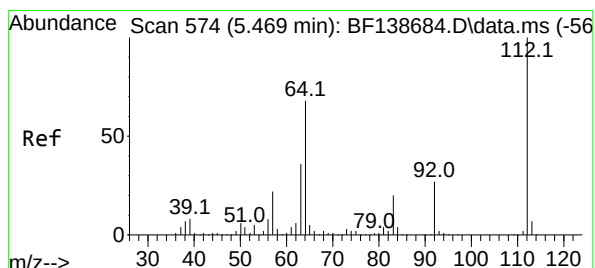
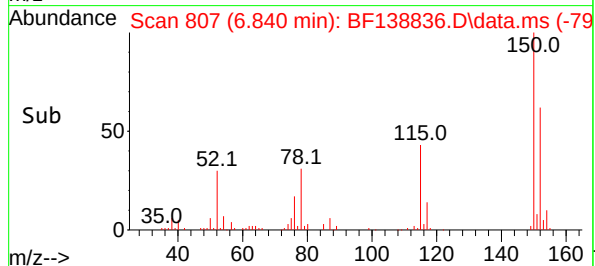
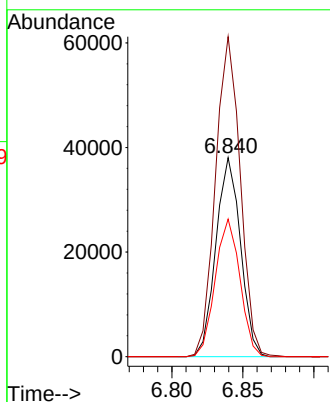
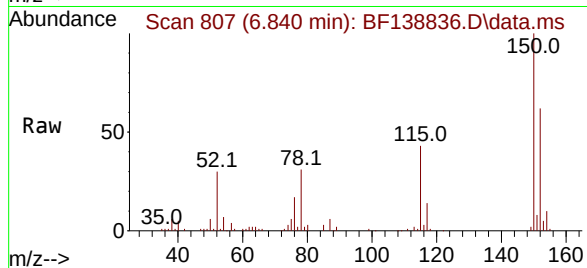




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

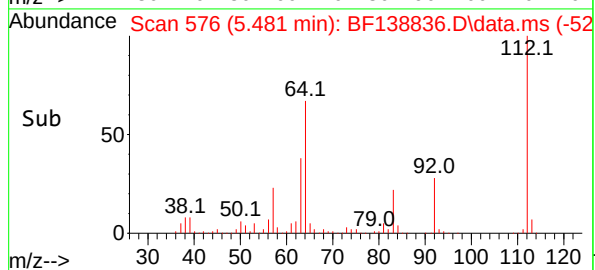
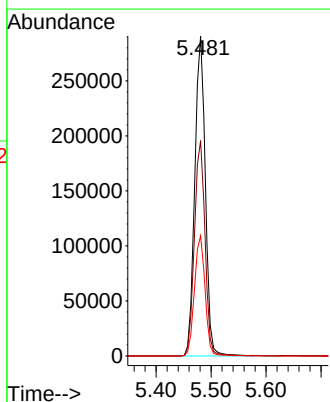
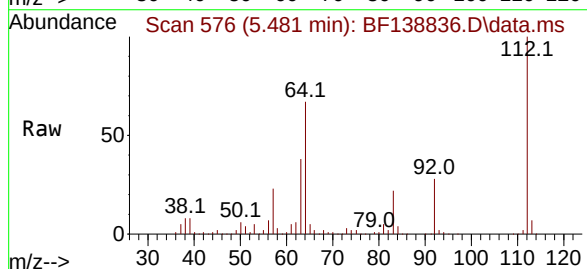
Instrument :
BNA_F
ClientSampleId :
PB162463BL

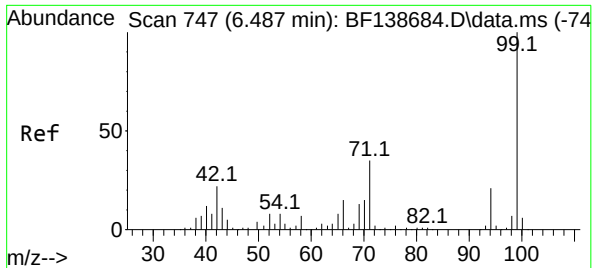
Tgt Ion:152 Resp: 45858
Ion Ratio Lower Upper
152 100
150 160.8 126.0 189.0
115 69.2 51.7 77.5



#5
2-Fluorophenol
Concen: 130.942 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

Tgt Ion:112 Resp: 388995
Ion Ratio Lower Upper
112 100
64 67.3 54.2 81.4
63 37.5 28.7 43.1

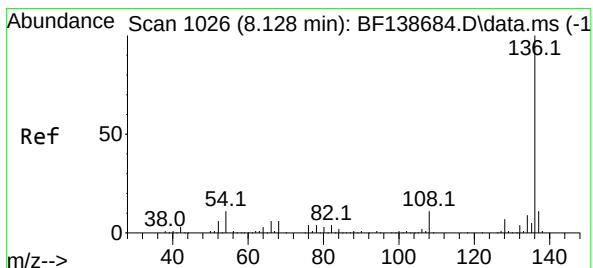
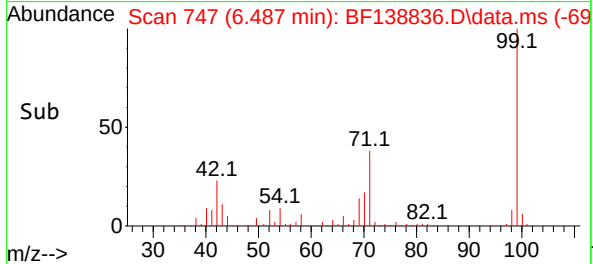
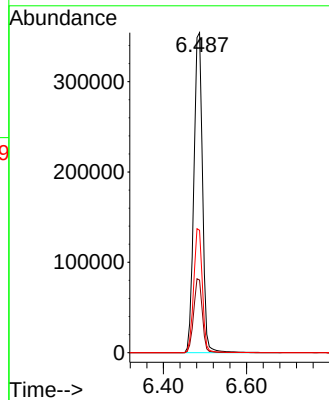
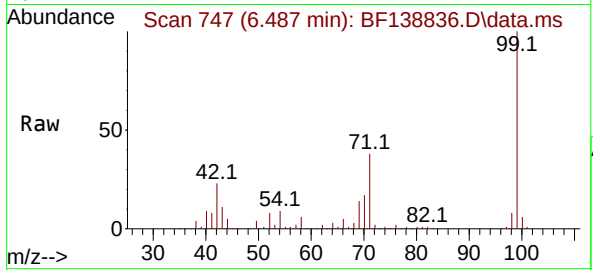




#7
Phenol-d6
Concen: 127.961 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

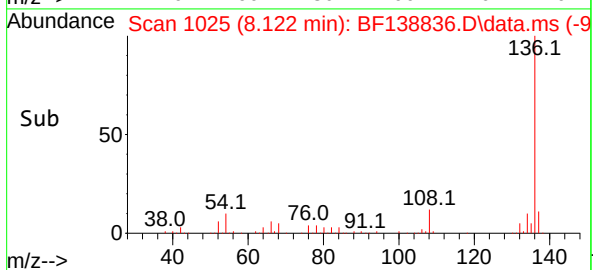
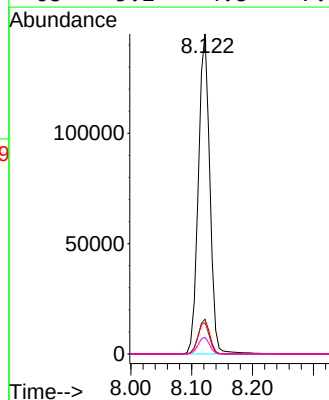
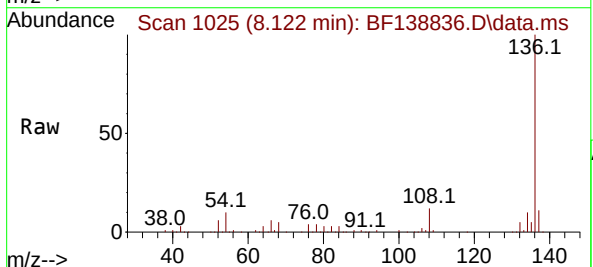
Instrument :
BNA_F
ClientSampleId :
PB162463BL

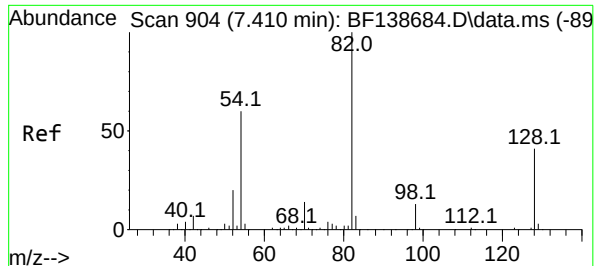
Tgt Ion: 99 Resp: 510378
Ion Ratio Lower Upper
99 100
42 22.7 17.4 26.0
71 38.3 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

Tgt Ion: 136 Resp: 189947
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.8 8.6 12.8
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 87.110 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138836.D

Acq: 07 Aug 2024 11:59

Instrument :

BNA_F

ClientSampleId :

PB162463BL

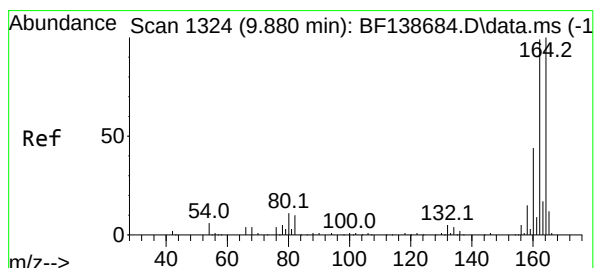
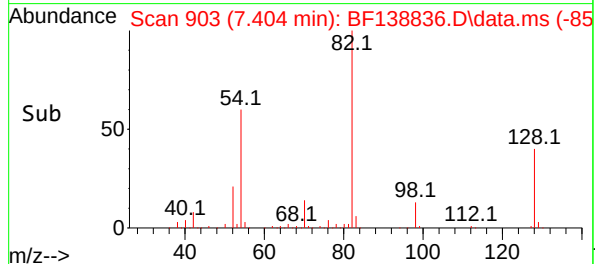
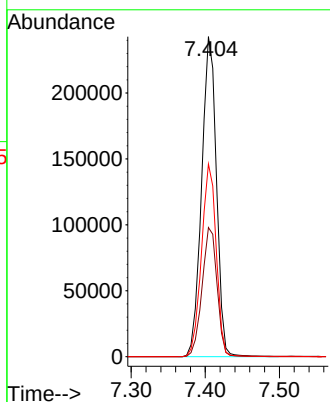
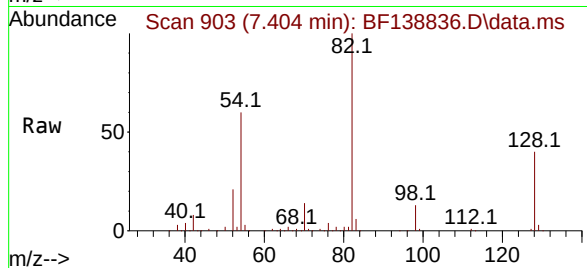
Tgt Ion: 82 Resp: 338428

Ion Ratio Lower Upper

82 100

128 40.4 32.8 49.2

54 60.2 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: BF138836.D

Acq: 07 Aug 2024 11:59

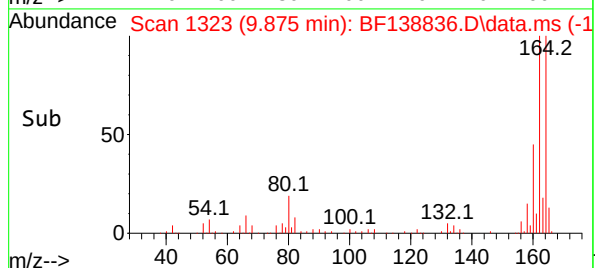
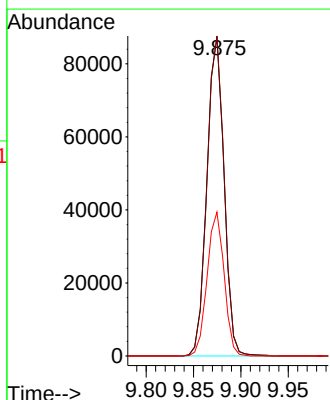
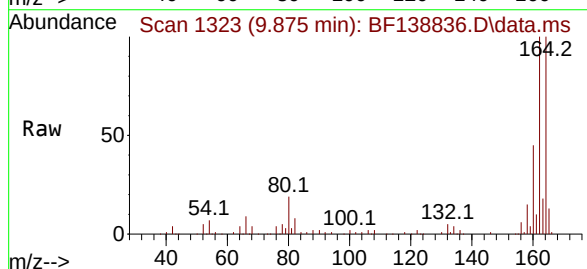
Tgt Ion:164 Resp: 110215

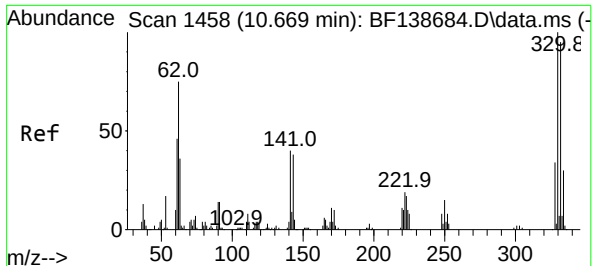
Ion Ratio Lower Upper

164 100

162 100.4 79.4 119.0

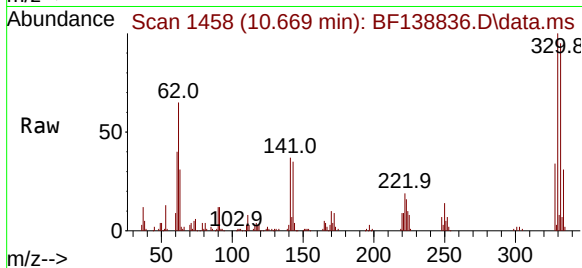
160 45.1 35.1 52.7



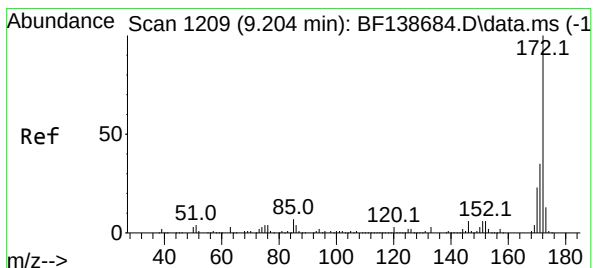
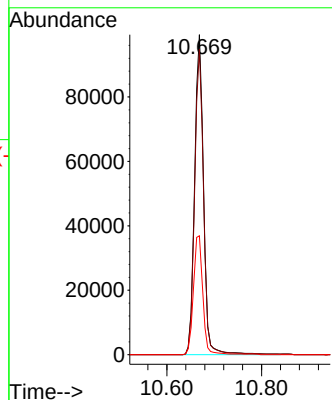
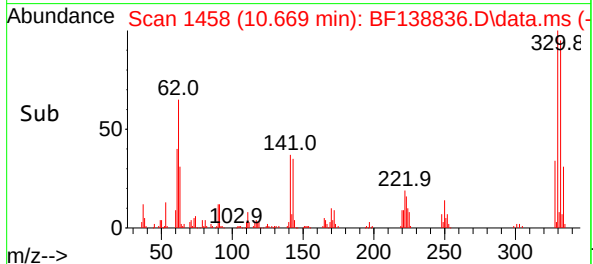


#42
2,4,6-Tribromophenol
Concen: 144.877 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

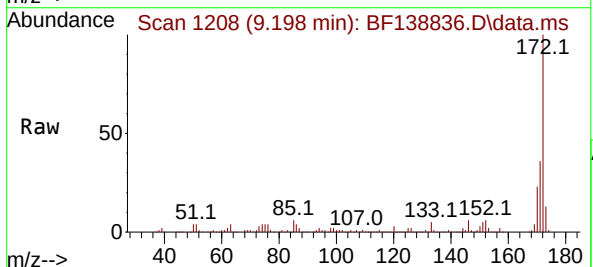
Instrument :
BNA_F
ClientSampleId :
PB162463BL



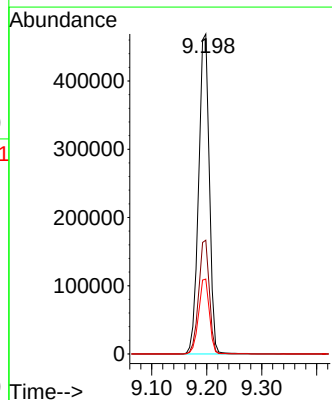
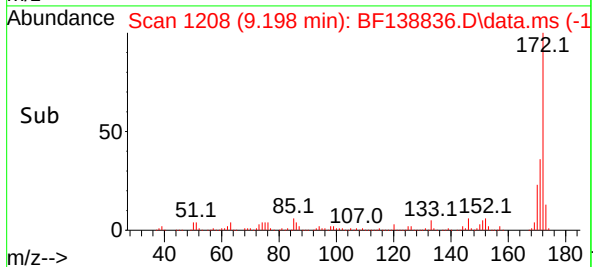
Tgt Ion:330 Resp: 130796
Ion Ratio Lower Upper
330 100
332 95.3 76.4 114.6
141 39.0 31.1 46.7

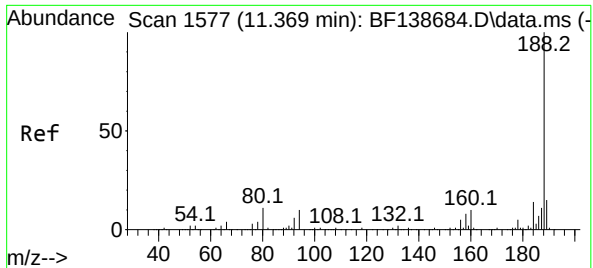


#45
2-Fluorobiphenyl
Concen: 86.724 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59



Tgt Ion:172 Resp: 636161
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.4 18.8 28.2

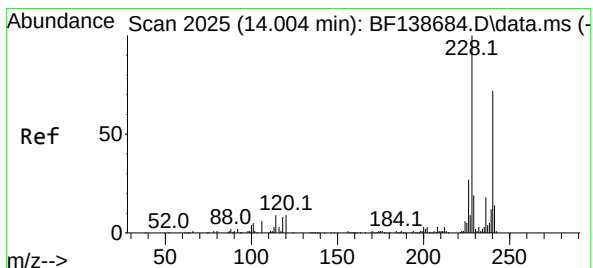
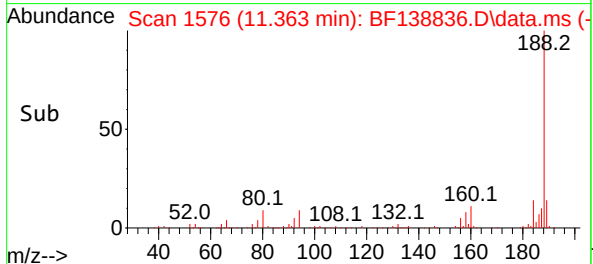
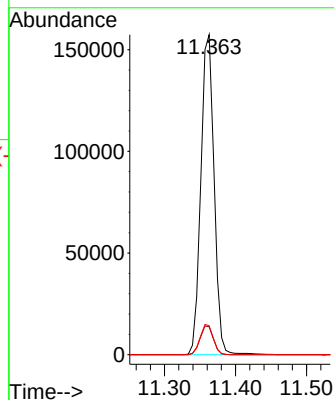
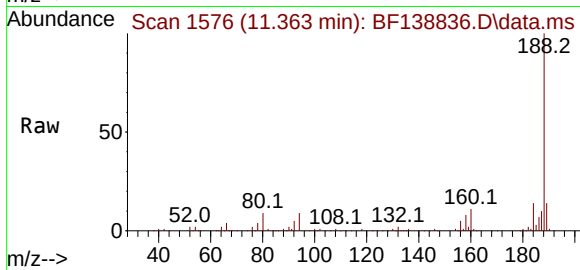




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

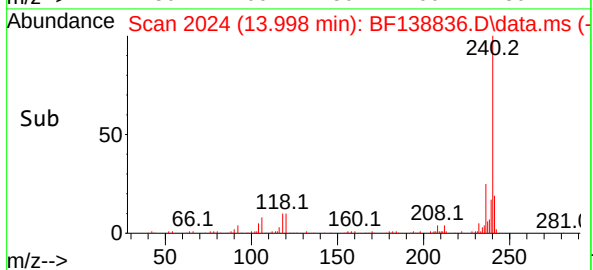
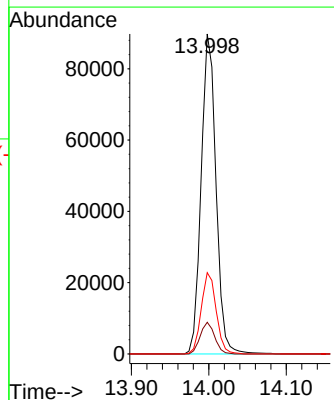
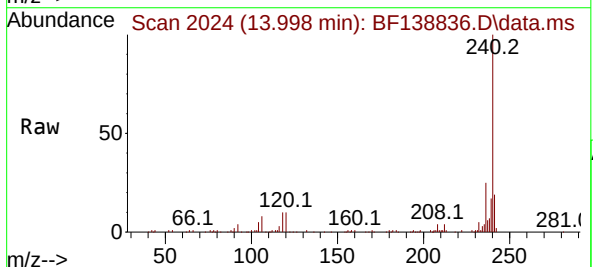
Instrument :
BNA_F
ClientSampleId :
PB162463BL

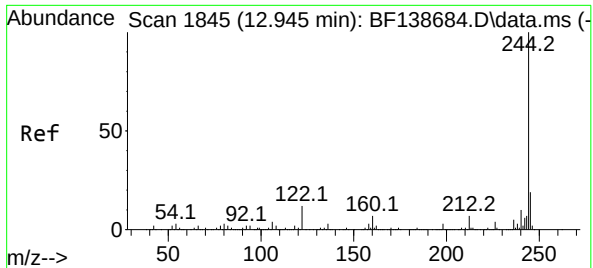
Tgt Ion:188 Resp: 204848
Ion Ratio Lower Upper
188 100
94 8.7 7.6 11.4
80 9.1 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

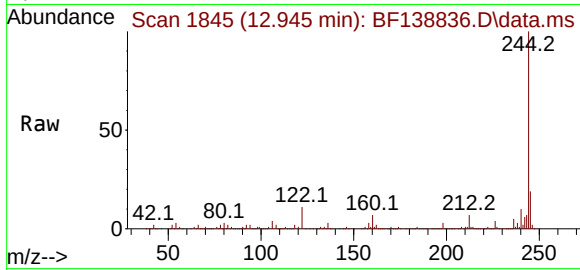
Tgt Ion:240 Resp: 119313
Ion Ratio Lower Upper
240 100
120 9.9 10.2 15.4#
236 25.4 19.8 29.8



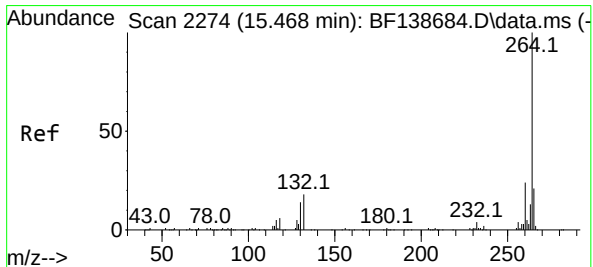
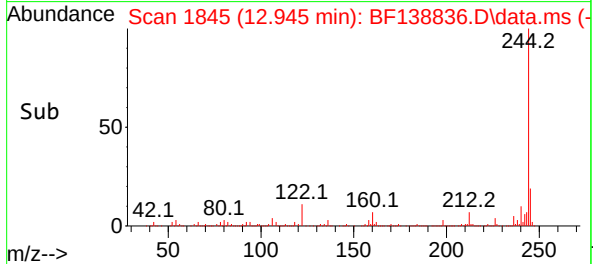
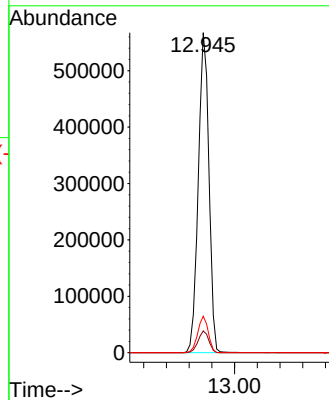


#79
Terphenyl-d14
Concen: 103.968 ng
RT: 12.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

Instrument :
BNA_F
ClientSampleId :
PB162463BL

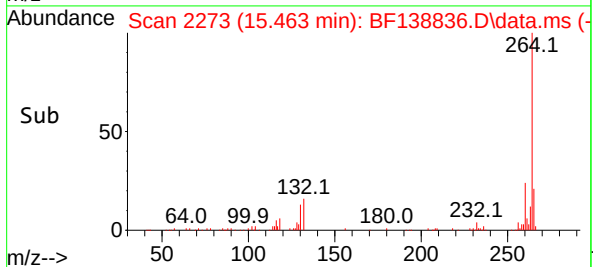
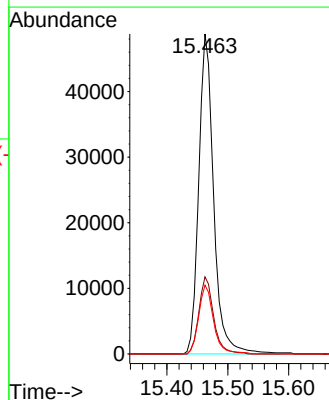
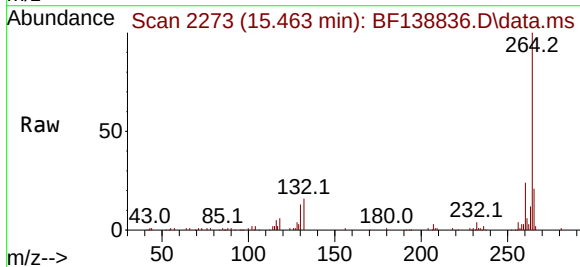


Tgt Ion:244 Resp: 740902
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.4 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138836.D
Acq: 07 Aug 2024 11:59

Tgt Ion:264 Resp: 83107
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 21.5 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:	PB162463BS	SDG No.:	P3440
Lab Sample ID:	PB162463BS	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
BF138866.D	1	08/02/24 09:23	08/08/24 15:22	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	34.6		1.60	5.00	ug/L
100-52-7	Benzaldehyde	41.2		4.00	10.0	ug/L
95-48-7	2-Methylphenol	47.7		1.10	5.00	ug/L
98-86-2	Acetophenone	43.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.6		1.20	10.0	ug/L
98-95-3	Nitrobenzene	44.0		1.30	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.4		0.88	5.00	ug/L
91-20-3	Naphthalene	44.9		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.0		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.0		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.6		1.00	5.00	ug/L
208-96-8	Acenaphthylene	49.4		1.00	5.00	ug/L
83-32-9	Acenaphthene	45.3		0.81	5.00	ug/L
132-64-9	Dibenzofuran	47.4		0.93	5.00	ug/L
86-73-7	Fluorene	47.9		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	46.1		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	74.0		1.90	10.0	ug/L
85-01-8	Phenanthrene	47.8		0.89	5.00	ug/L
86-74-8	Carbazole	46.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	53.9		1.50	5.00	ug/L
206-44-0	Fluoranthene	47.4		1.30	5.00	ug/L
129-00-0	Pyrene	48.3		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	47.0		0.94	5.00	ug/L
218-01-9	Chrysene	47.4		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.0		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	48.4		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	53.4		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	51.9		1.70	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:	PB162463BS	SDG No.:	P3440
Lab Sample ID:	PB162463BS	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
BF138866.D	1	08/02/24 09:23	08/08/24 15:22	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	43.8		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	37.7		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	32.1		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	43.1		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	133		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.4		30 (49) - 130 (133)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.6		30 (52) - 130 (132)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		15 (32) - 110 (145)	93%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (36) - 130 (145)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49000	6.839			
1146-65-2	Naphthalene-d8	204000	8.122			
15067-26-2	Acenaphthene-d10	110000	9.88			
1517-22-2	Phenanthrene-d10	189000	11.363			
1719-03-5	Chrysene-d12	93200	14.004			
1520-96-3	Perylene-d12	86800	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\BF080824\
 Data File : BF138866.D
 Acq On : 08 Aug 2024 15:22
 Operator : RC/JU
 Sample : PB162463BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162463BS

Quant Time: Aug 08 15:52:52 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	48969	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	204092	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	110072	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	189484	20.000	ng	0.00
76) Chrysene-d12	14.004	240	93153	20.000	ng	0.00
86) Perylene-d12	15.462	264	86793	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	422478	133.178	ng	0.02
7) Phenol-d6	6.492	99	552340	129.684	ng	0.00
23) Nitrobenzene-d5	7.410	82	356687	85.446	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	125994	139.739	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	656413	89.601	ng	0.00
79) Terphenyl-d14	12.945	244	614252	110.401	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.728	88	44521	32.056	ng	98
3) Pyridine	3.469	79	116304	34.569	ng	96
4) n-Nitrosodimethylamine	3.434	42	104370	52.087	ng	83
6) Aniline	6.510	93	130121	34.257	ng	# 28
8) 2-Chlorophenol	6.634	128	165496	49.585	ng	97
9) Benzaldehyde	6.398	77	105248	41.223	ng	99
10) Phenol	6.504	94	211545	47.174	ng	81
11) bis(2-Chloroethyl)ether	6.581	93	151657	43.948	ng	99
12) 1,3-Dichlorobenzene	6.781	146	169683	45.418	ng	98
13) 1,4-Dichlorobenzene	6.857	146	174184	46.198	ng	100
14) 1,2-Dichlorobenzene	7.010	146	162513	46.121	ng	100
15) Benzyl Alcohol	6.992	79	154508	50.333	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.110	45	249795	42.062	ng	# 46
17) 2-Methylphenol	7.110	107	131491	47.711	ng	# 86
18) Hexachloroethane	7.351	117	63644	44.844	ng	94
19) n-Nitroso-di-n-propyla...	7.263	70	124596	48.435	ng	99
20) 3+4-Methylphenols	7.263	107	171985	48.637	ng	# 80
22) Acetophenone	7.257	105	219521	43.929	ng	97
24) Nitrobenzene	7.433	77	186701	43.953	ng	99
25) Isophorone	7.669	82	320318	44.938	ng	98
26) 2-Nitrophenol	7.745	139	85527	46.800	ng	94
27) 2,4-Dimethylphenol	7.786	122	110235	50.415	ng	96
28) bis(2-Chloroethoxy)met...	7.875	93	188208	43.359	ng	99
29) 2,4-Dichlorophenol	7.992	162	133171	47.397	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	144942	44.701	ng	99
31) Naphthalene	8.145	128	482471	44.911	ng	99
32) Benzoic acid	7.945	122	62871	36.578	ng	96
33) 4-Chloroaniline	8.198	127	67303	18.664	ng	98
34) Hexachlorobutadiene	8.257	225	88404	45.013	ng	99
35) Caprolactam	8.586	113	34827m	41.541	ng	
36) 4-Chloro-3-methylphenol	8.692	107	151061	47.044	ng	99
37) 2-Methylnaphthalene	8.833	142	312370	46.041	ng	98
38) 1-Methylnaphthalene	8.933	142	286286	43.061	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	133856	43.777	ng	98
41) Hexachlorocyclopentadiene	8.980	237	88153	106.404	ng	99
43) 2,4,6-Trichlorophenol	9.122	196	84116	45.119	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138866.D
 Acq On : 08 Aug 2024 15:22
 Operator : RC/JU
 Sample : PB162463BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162463BS

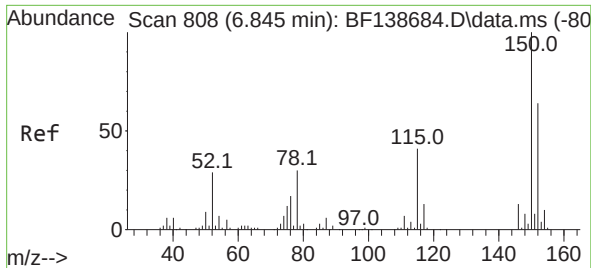
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 08 15:52:52 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	92884	45.575	ng	98
46) 1,1'-Biphenyl	9.298	154	365546	42.403	ng	99
47) 2-Chloronaphthalene	9.327	162	291405	45.451	ng	99
48) 2-Nitroaniline	9.433	65	103203	47.481	ng	99
49) Acenaphthylene	9.739	152	449469	49.428	ng	99
50) Dimethylphthalate	9.604	163	343910	48.864	ng	99
51) 2,6-Dinitrotoluene	9.675	165	73193	46.080	ng	92
52) Acenaphthene	9.910	154	277044	45.323	ng	100
53) 3-Nitroaniline	9.845	138	49628	30.224	ng	98
54) 2,4-Dinitrophenol	9.957	184	64205	87.810	ng	# 81
55) Dibenzofuran	10.086	168	409386	47.444	ng	98
56) 4-Nitrophenol	10.022	139	78038	79.031	ng	87
57) 2,4-Dinitrotoluene	10.080	165	99257	48.979	ng	# 81
58) Fluorene	10.427	166	329475	47.949	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	76093	48.836	ng	96
60) Diethylphthalate	10.304	149	335590	50.288	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	161283	47.724	ng	97
62) 4-Nitroaniline	10.463	138	68902	44.155	ng	88
63) Azobenzene	10.580	77	347164	46.905	ng	96
65) 4,6-Dinitro-2-methylph...	10.492	198	55191	47.742	ng	98
66) n-Nitrosodiphenylamine	10.539	169	281123	47.464	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	93088	45.375	ng	96
68) Hexachlorobenzene	10.974	284	97611	46.082	ng	98
69) Atrazine	11.069	200	83461	54.617	ng	98
70) Pentachlorophenol	11.174	266	70697	74.046	ng	99
71) Phenanthrene	11.392	178	466676	47.830	ng	100
72) Anthracene	11.445	178	474255	49.340	ng	100
73) Carbazole	11.598	167	387849	46.770	ng	98
74) Di-n-butylphthalate	11.916	149	502716	53.926	ng	99
75) Fluoranthene	12.574	202	431401	47.362	ng	98
77) Benzidine	12.698	184	34528	15.497	ng	98
78) Pyrene	12.804	202	423839	48.325	ng	99
80) Butylbenzylphthalate	13.415	149	145173	51.689	ng	96
81) Benzo(a)anthracene	13.992	228	301253	46.963	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	58759	35.795	ng	99
83) Chrysene	14.027	228	274248	47.388	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	172629	41.974	ng	98
85) Di-n-octyl phthalate	14.580	149	283006	37.193	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	272510	43.813	ng	96
88) Benzo(b)fluoranthene	15.039	252	260514	48.420	ng	98
89) Benzo(k)fluoranthene	15.068	252	248699	53.388	ng	99
90) Benzo(a)pyrene	15.404	252	234700	51.860	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	220388	43.165	ng	98
92) Benzo(g,h,i)perylene	17.374	276	199632	37.679	ng	97

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



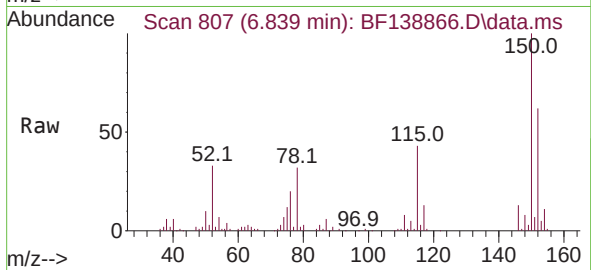
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

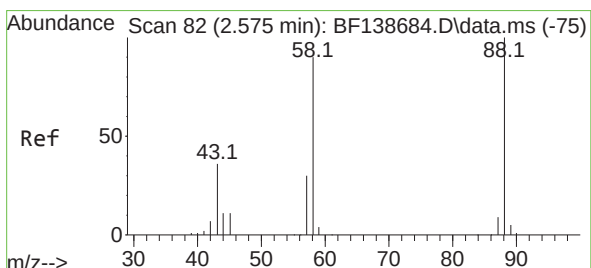
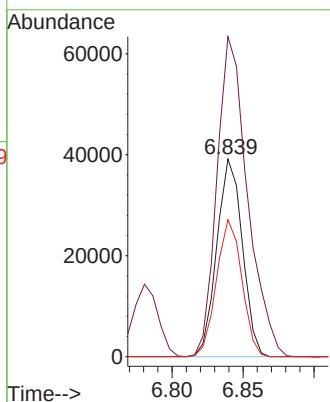
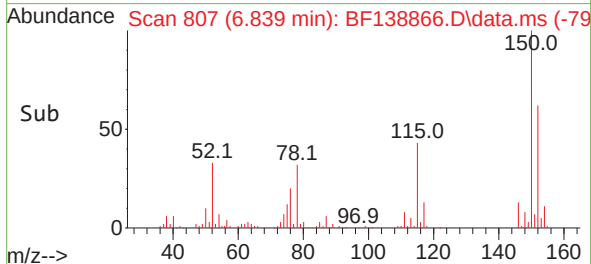


Tgt Ion:152 Resp: 4896
Ion Ratio Lower Upper
152 100
150 161.9 126.0 189.0
115 69.3 51.7 77.5

Manual Integrations

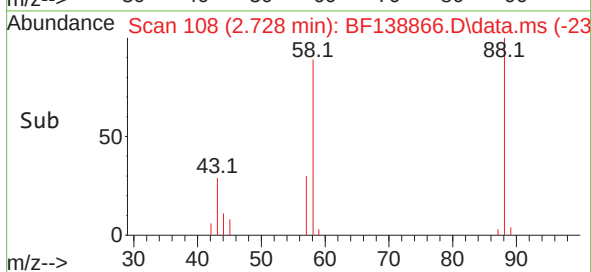
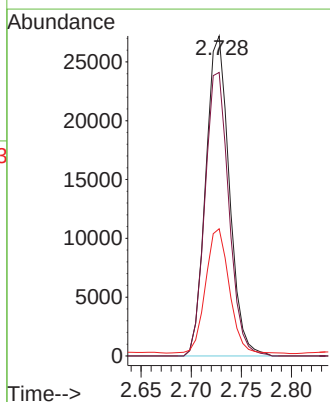
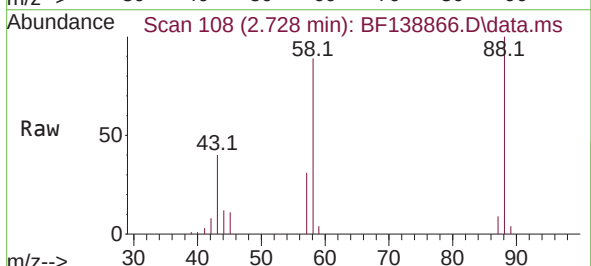
APPROVED

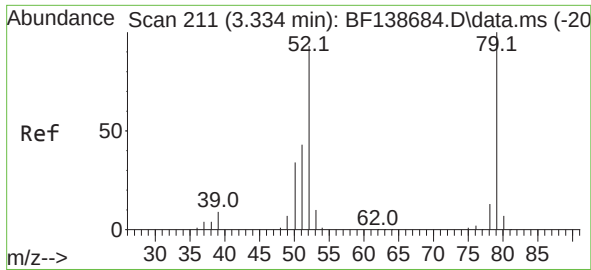
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#2
1,4-Dioxane
Concen: 32.056 ng
RT: 2.728 min Scan# 108
Delta R.T. 0.153 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion: 88 Resp: 44521
Ion Ratio Lower Upper
88 100
58 89.7 71.6 107.4
43 39.4 28.7 43.1





#3

Pyridine

Concen: 34.569 ng

RT: 3.469 min Scan# 211

Delta R.T. 0.135 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

Tgt Ion: 79 Resp: 116304

Ion Ratio Lower Upper

79 100

52 91.1 74.7 112.1

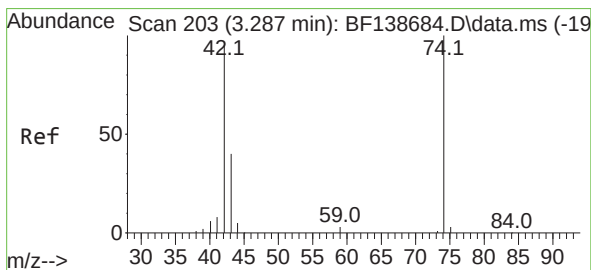
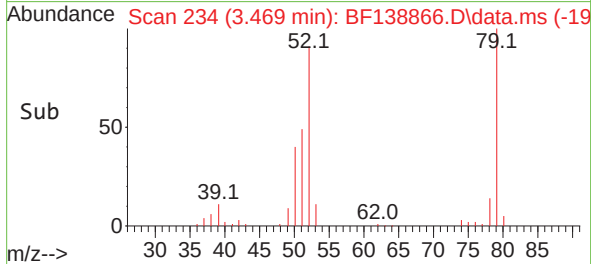
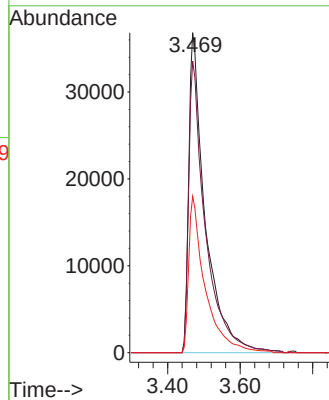
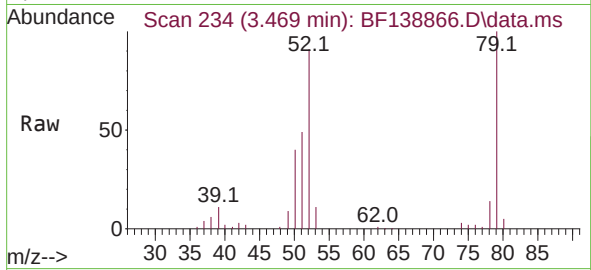
51 48.9 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#4

n-Nitrosodimethylamine

Concen: 52.087 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.147 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

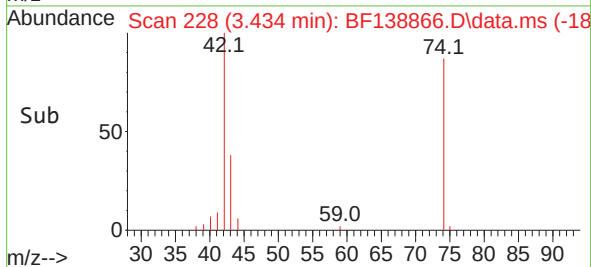
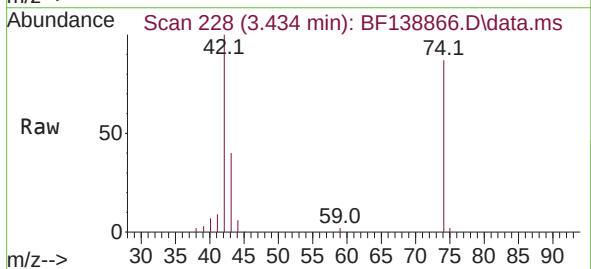
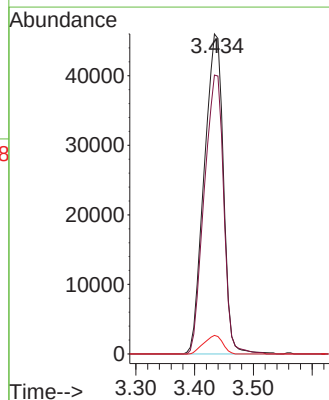
Tgt Ion: 42 Resp: 104370

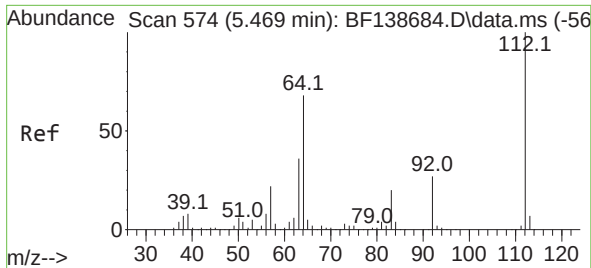
Ion Ratio Lower Upper

42 100

74 87.2 84.2 126.4

44 5.8 4.9 7.3





#5
2-Fluorophenol
Concen: 133.178 ng
RT: 5.487 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

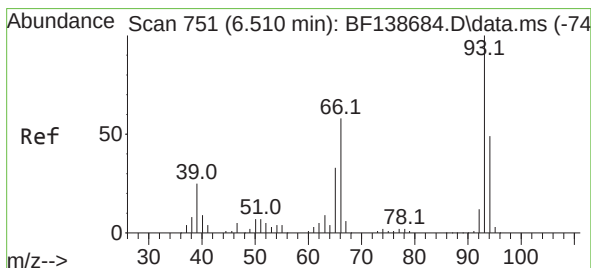
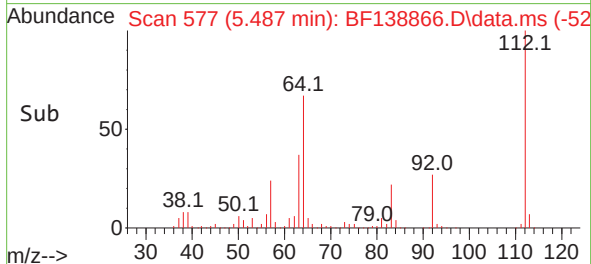
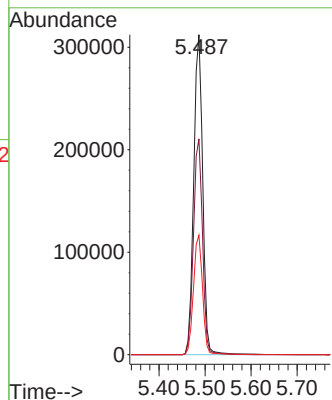
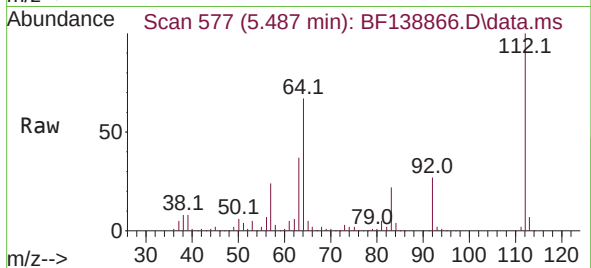
PB162463BS

Tgt Ion:112 Resp: 422478
Ion Ratio Lower Upper
112 100
64 67.4 54.2 81.4
63 37.3 28.7 43.1

Manual Integrations

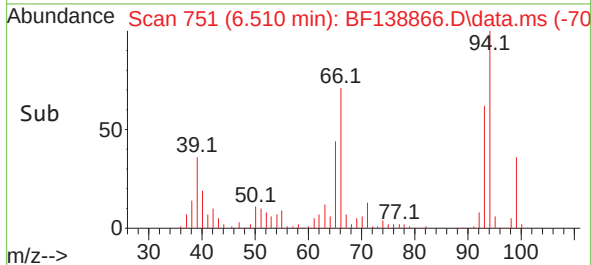
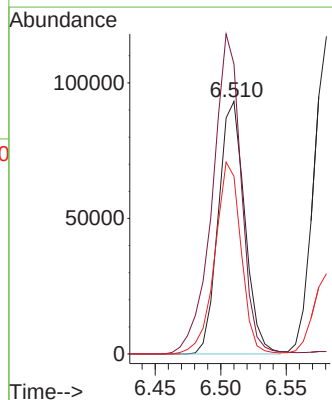
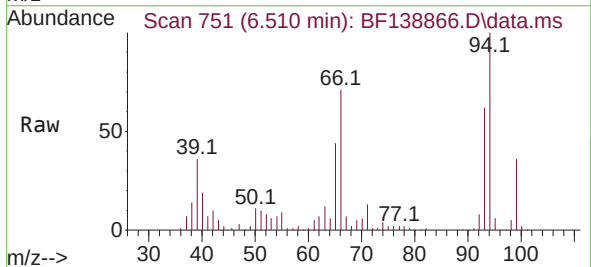
APPROVED

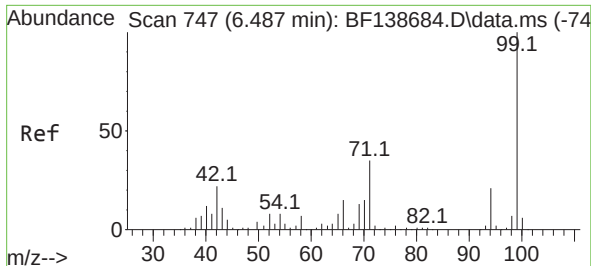
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#6
Aniline
Concen: 34.257 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

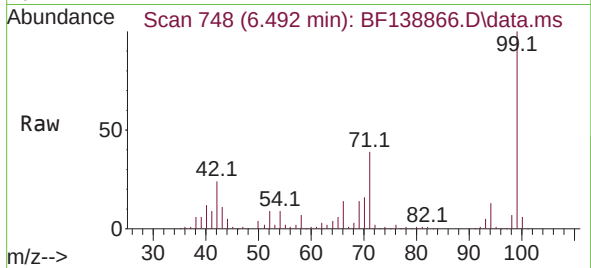
Tgt Ion: 93 Resp: 130121
Ion Ratio Lower Upper
93 100
66 114.8 46.9 70.3#
65 70.4 26.5 39.7#





#7
Phenol-d6
Concen: 129.684 ng
RT: 6.492 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

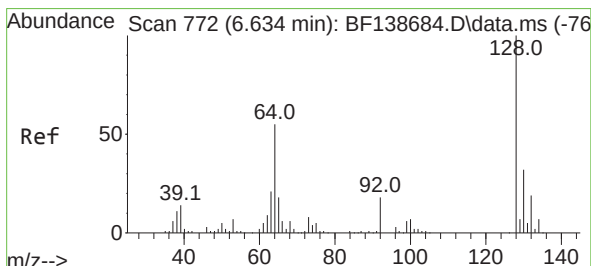
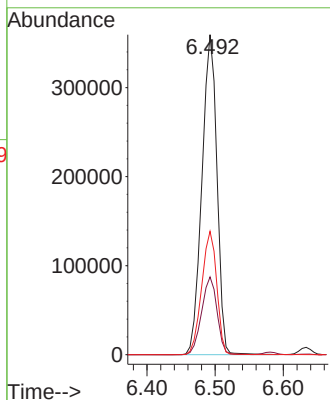
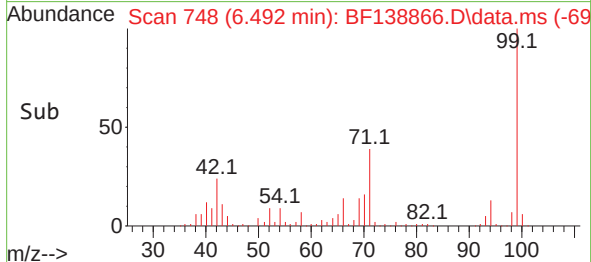
Instrument :
BNA_F
ClientSampleId :
PB162463BS



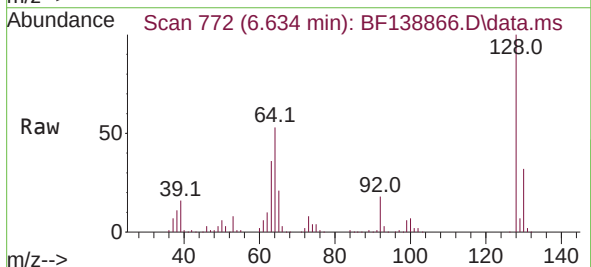
Tgt Ion: 99 Resp: 552340
Ion Ratio Lower Upper
99 100
42 24.3 17.4 26.0
71 38.6 28.1 42.1

Manual Integrations
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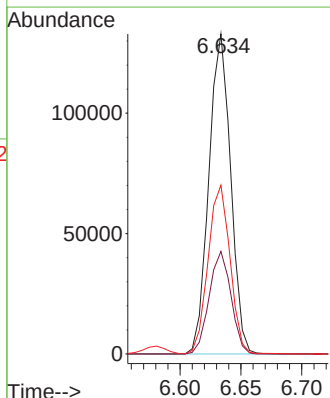
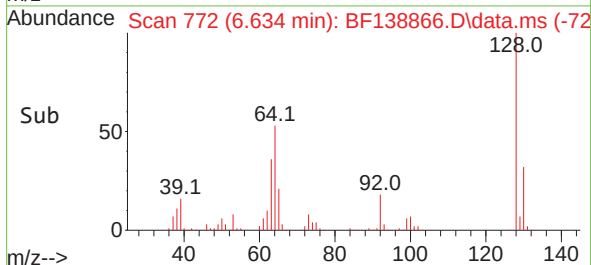
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

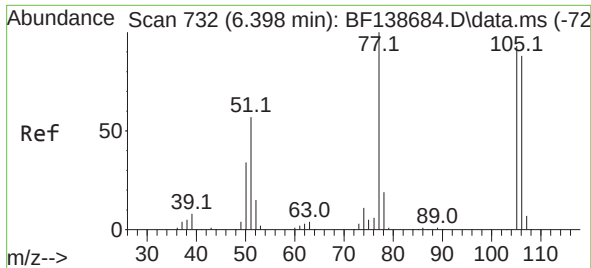


#8
2-Chlorophenol
Concen: 49.585 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:128 Resp: 165496
Ion Ratio Lower Upper
128 100
130 32.1 12.0 52.0
64 52.7 36.3 76.3





#9
Benzaldehyde
Concen: 41.223 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

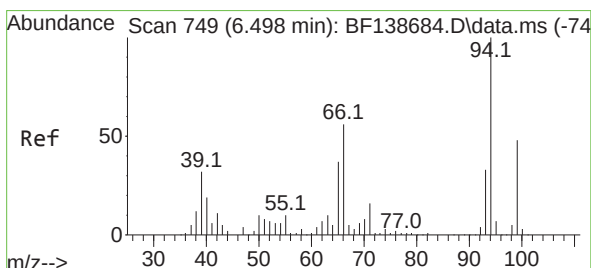
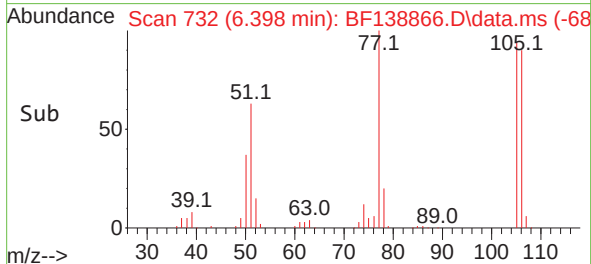
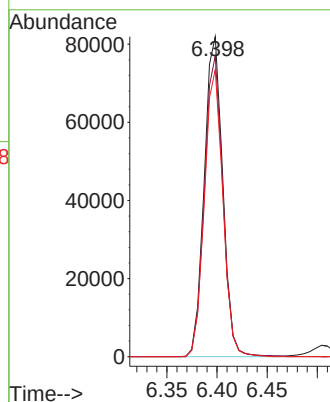
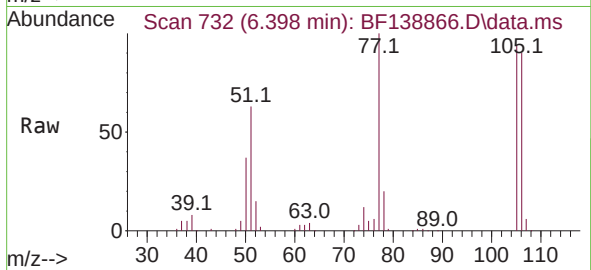
PB162463BS

Tgt Ion: 77 Resp: 10524
Ion Ratio Lower Upper
77 100
105 93.9 72.9 112.9
106 89.7 68.4 108.4

Manual Integrations

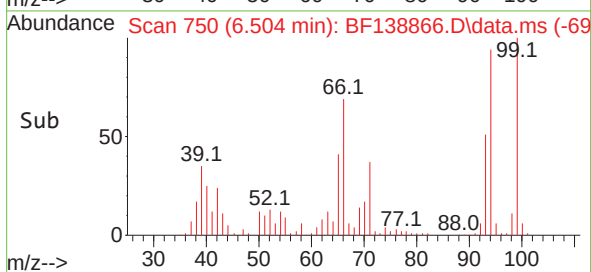
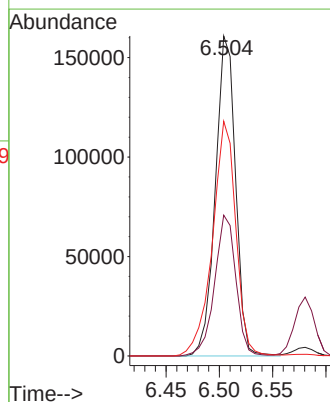
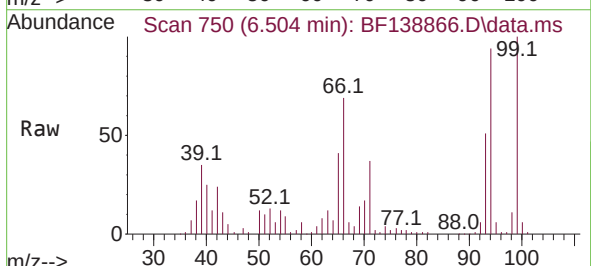
APPROVED

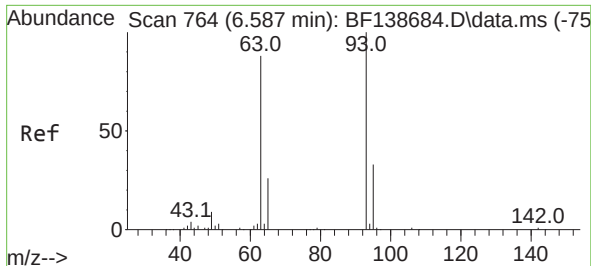
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#10
Phenol
Concen: 47.174 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion: 94 Resp: 211545
Ion Ratio Lower Upper
94 100
65 44.0 16.9 56.9
66 73.4 36.5 76.5





#11
bis(2-Chloroethyl)ether
Concen: 43.948 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

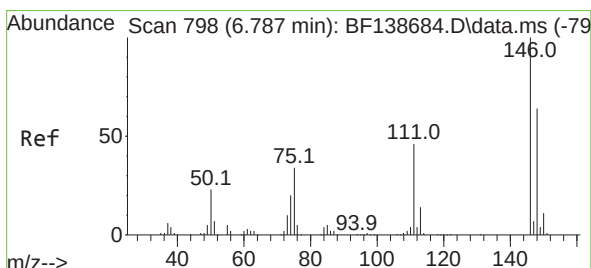
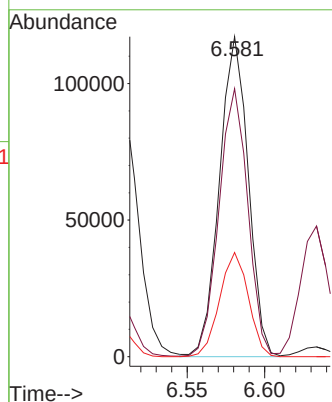
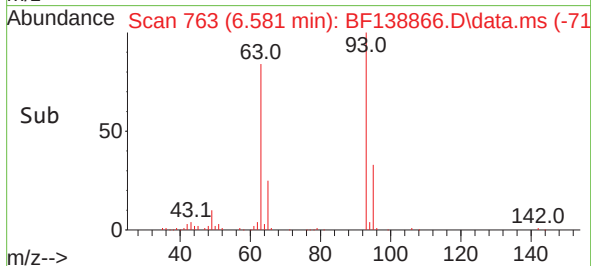
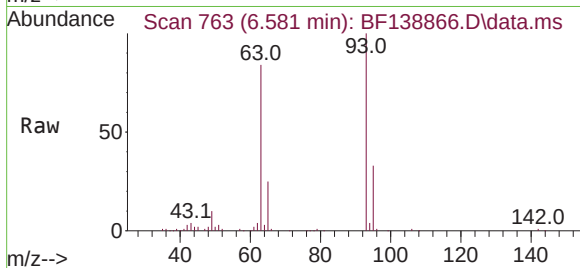
ClientSampleId :

PB162463BS

Tgt Ion: 93 Resp: 15165
Ion Ratio Lower Upper
93 100
63 83.8 65.3 105.3
95 32.6 12.4 52.4

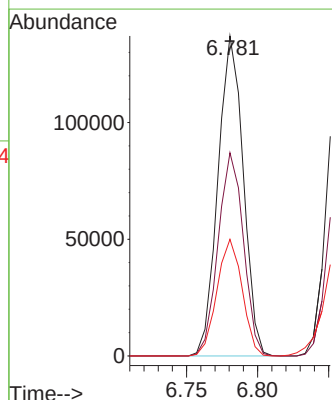
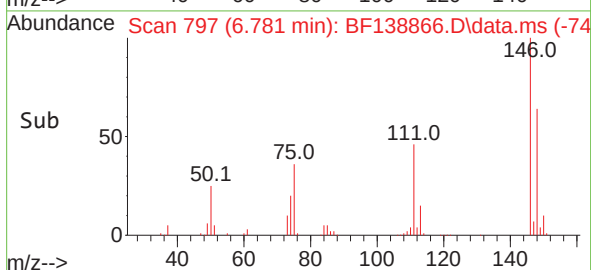
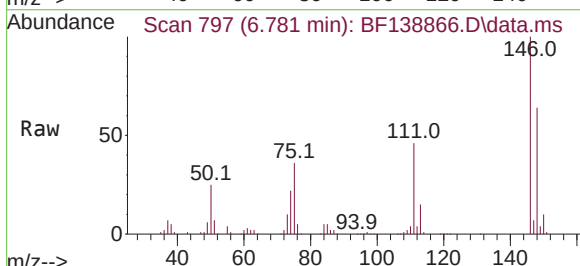
Manual Integrations
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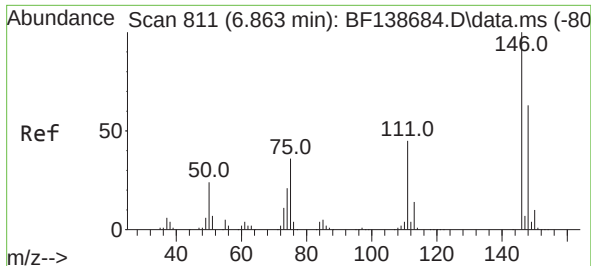
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#12
1,3-Dichlorobenzene
Concen: 45.418 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:146 Resp: 169683
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 36.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 46.198 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

Tgt Ion:146 Resp: 174184

Ion Ratio Lower Upper

146 100

148 63.2 50.2 75.2

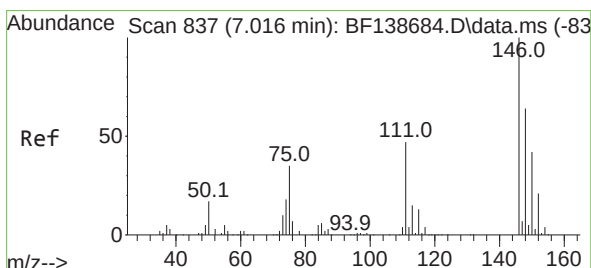
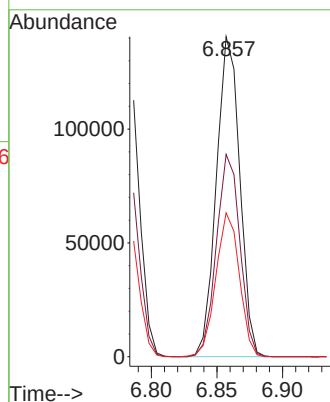
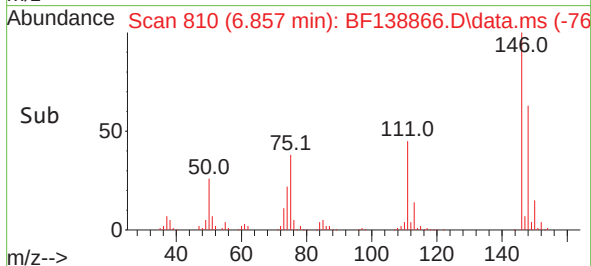
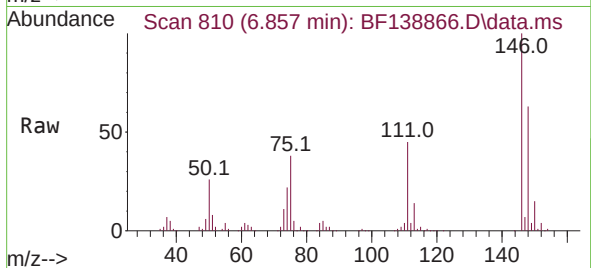
111 45.0 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#14

1,2-Dichlorobenzene

Concen: 46.121 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

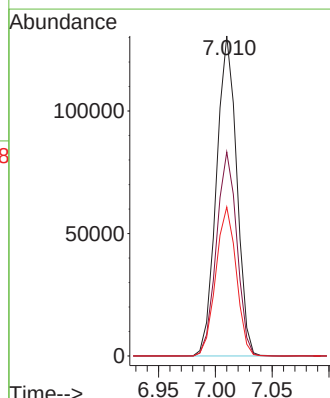
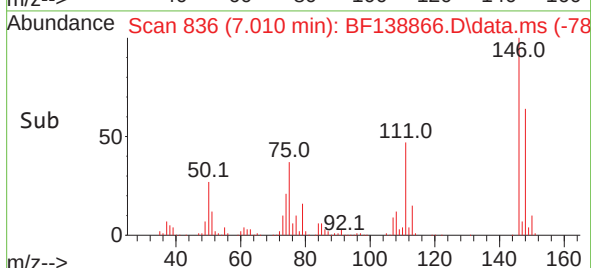
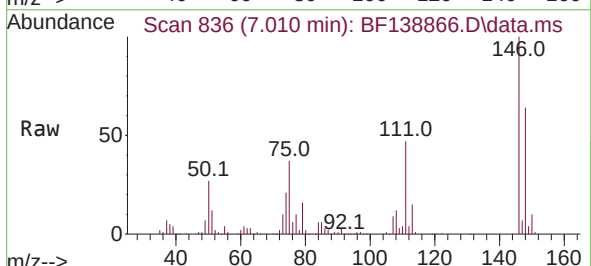
Tgt Ion:146 Resp: 162513

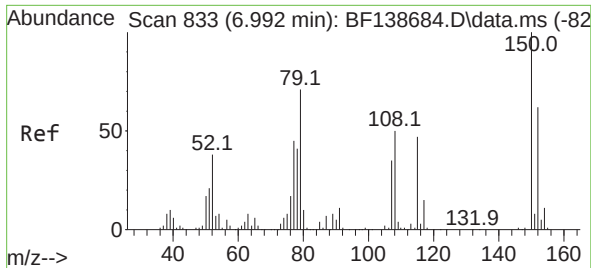
Ion Ratio Lower Upper

146 100

148 63.7 50.8 76.2

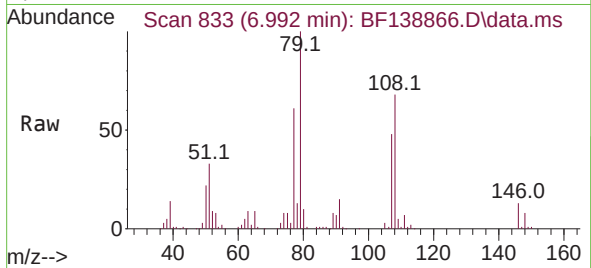
111 46.5 37.4 56.2





#15
Benzyl Alcohol
Concen: 50.333 ng
RT: 6.992 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

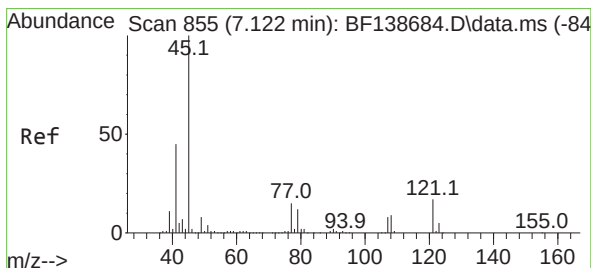
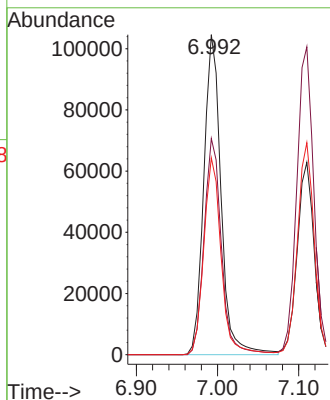
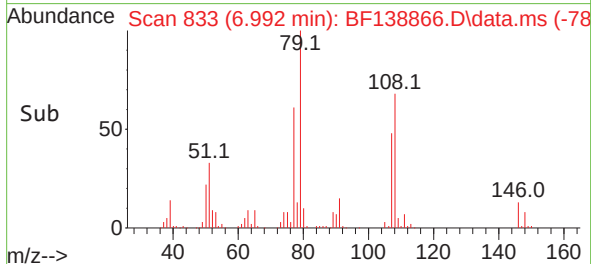
Instrument :
BNA_F
ClientSampleId :
PB162463BS



Tgt Ion: 79 Resp: 154508
Ion Ratio Lower Upper
79 100
108 67.5 56.6 85.0
77 61.5 50.3 75.5

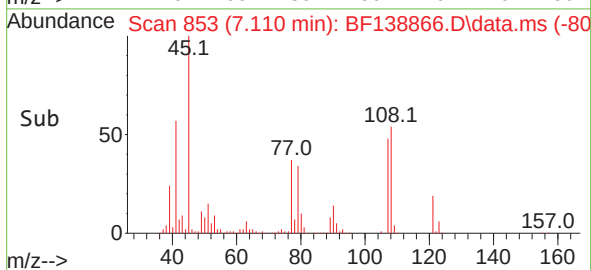
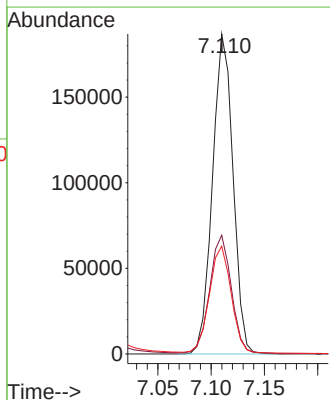
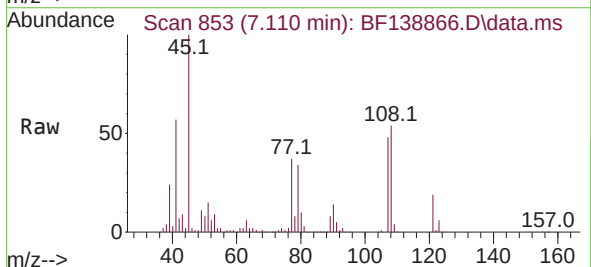
Manual Integrations
APPROVED

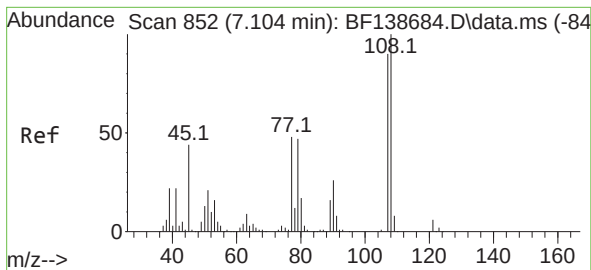
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.062 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion: 45 Resp: 249795
Ion Ratio Lower Upper
45 100
77 37.1 0.0 34.9#
79 33.7 0.0 32.2#





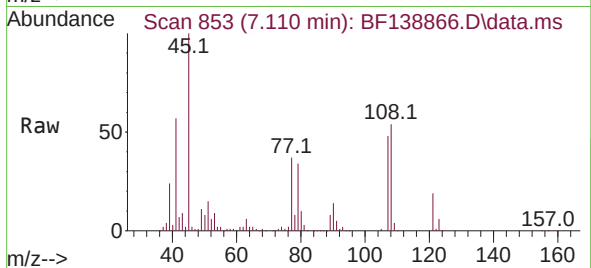
#17
2-Methylphenol
Concen: 47.711 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

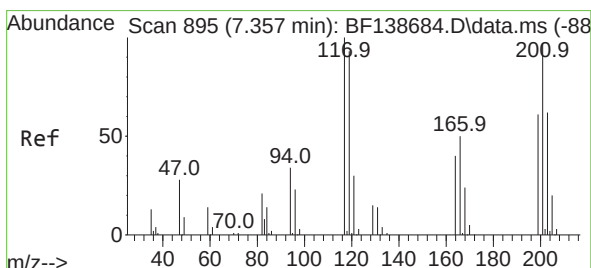
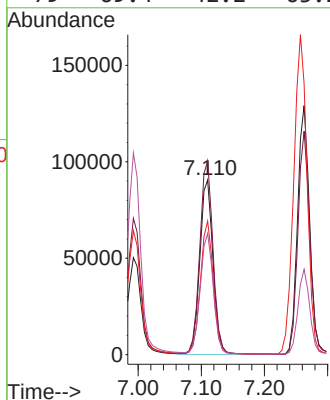
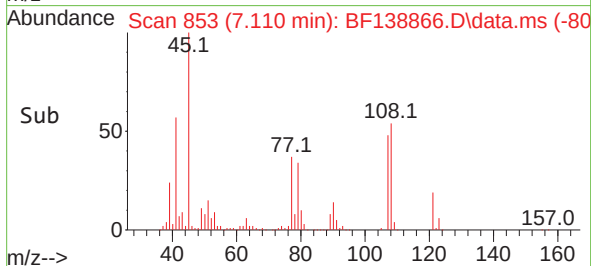


Tgt Ion:107 Resp: 13149
Ion Ratio Lower Upper
107 100
108 111.1 89.2 133.8
77 76.5 43.0 64.4
79 69.4 42.2 63.2

Manual Integrations

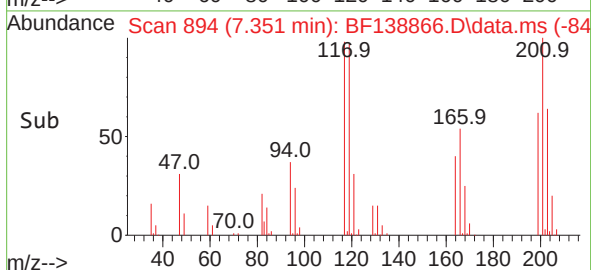
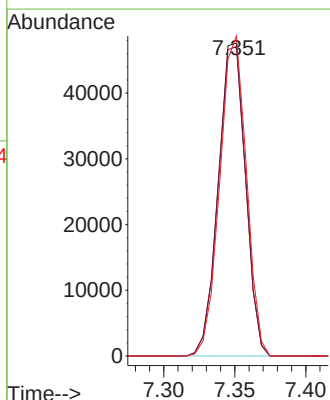
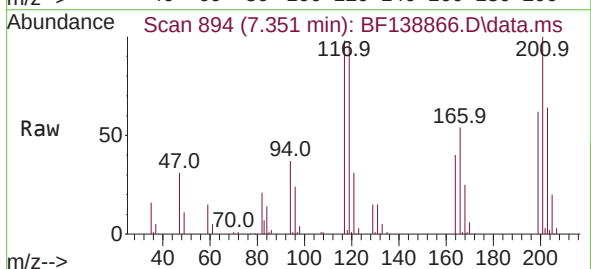
APPROVED

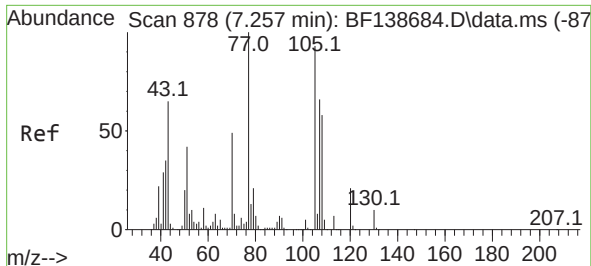
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#18
Hexachloroethane
Concen: 44.844 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:117 Resp: 63644
Ion Ratio Lower Upper
117 100
119 98.9 74.6 111.8
201 102.3 77.2 115.8





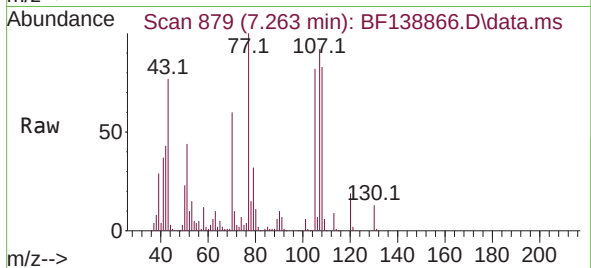
#19
n-Nitroso-di-n-propylamine
Concen: 48.435 ng
RT: 7.263 min Scan# 819
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

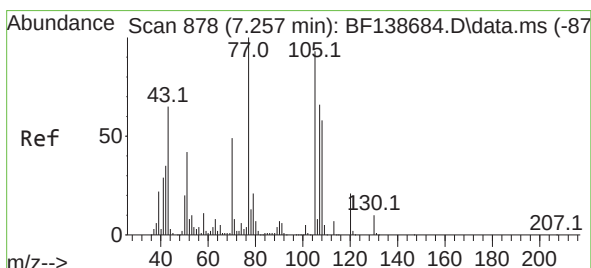
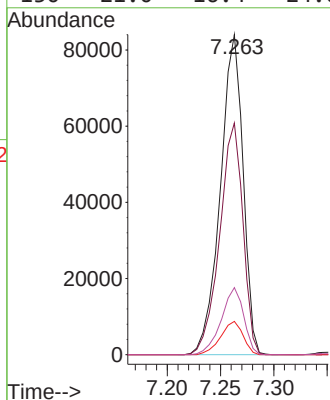
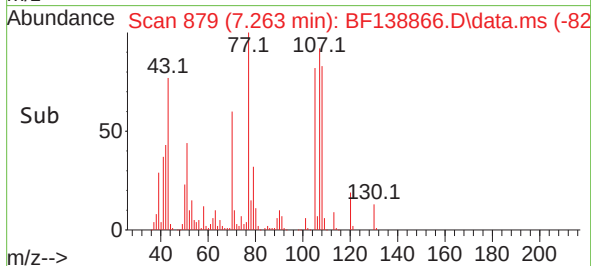
PB162463BS



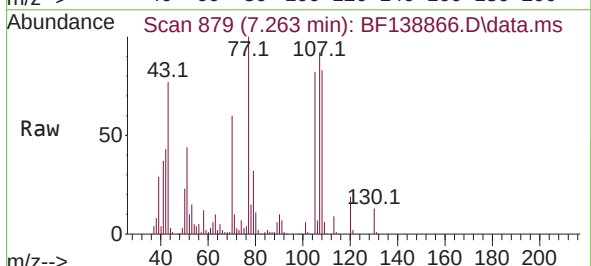
Tgt Ion: 70 Resp: 124590
Ion Ratio Lower Upper
70 100
42 72.4 57.4 86.0
101 10.4 7.5 11.3
130 21.0 16.4 24.6

Manual Integrations
APPROVED

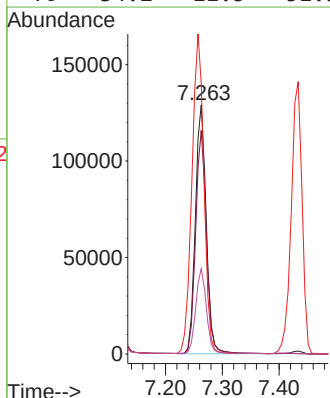
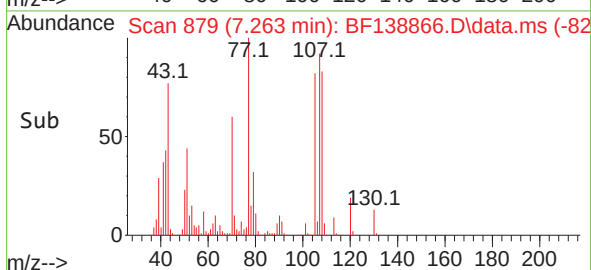
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

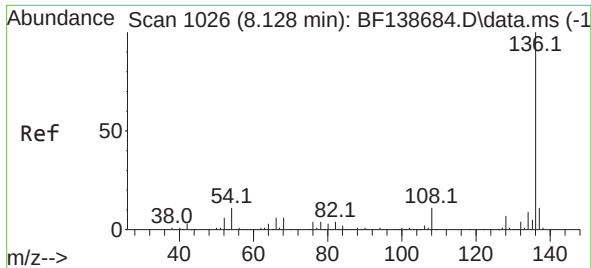


#20
3+4-Methylphenols
Concen: 48.637 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:107 Resp: 171985
Ion Ratio Lower Upper
107 100
108 89.7 68.2 108.2
77 108.6 132.1 172.1#
79 34.2 11.5 51.5





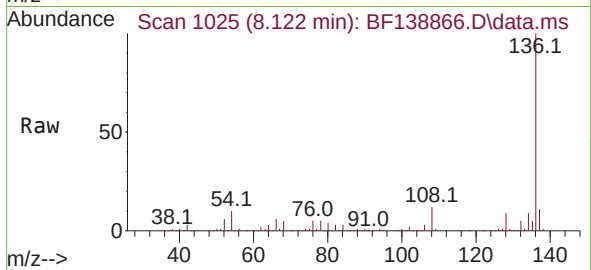
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

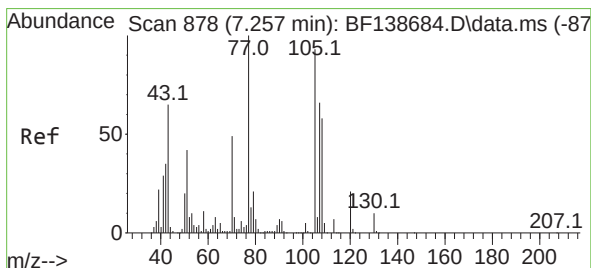
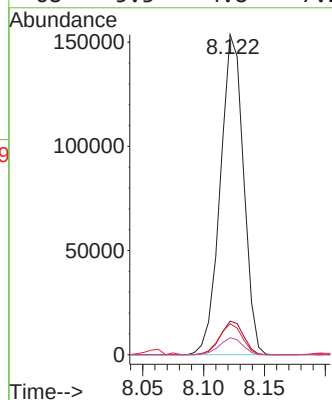
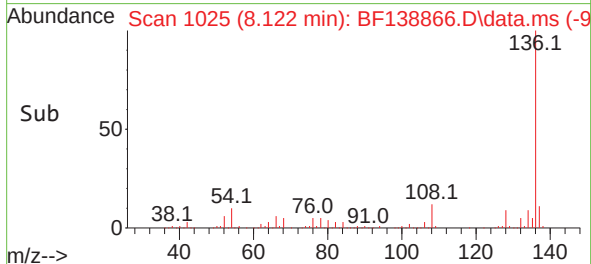


Tgt Ion:136 Resp: 204092
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.7 8.6 12.8
68 5.3 4.8 7.2

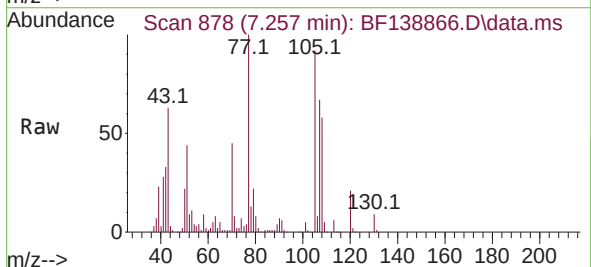
Manual Integrations

APPROVED

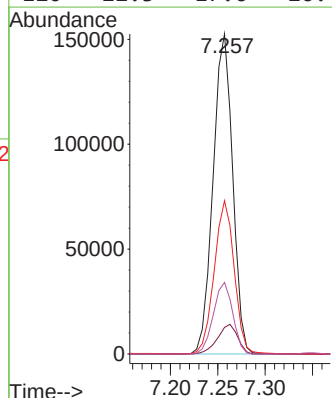
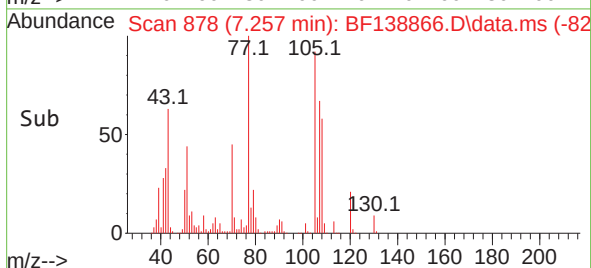
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

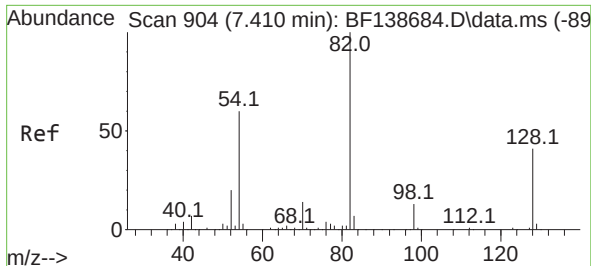


#22
Acetophenone
Concen: 43.929 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:105 Resp: 219521
Ion Ratio Lower Upper
105 100
71 8.3 7.2 10.8
51 47.9 35.9 53.9
120 22.3 17.6 26.4





#23
Nitrobenzene-d5
Concen: 85.446 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

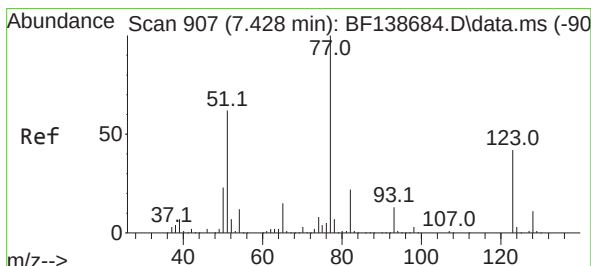
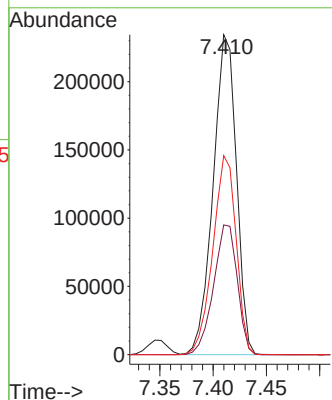
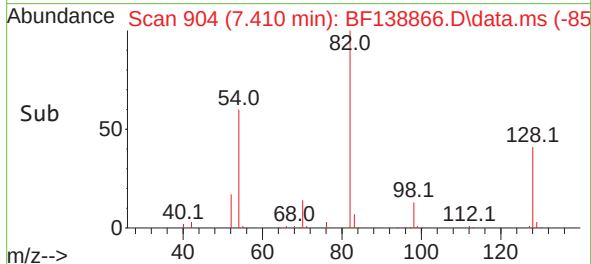
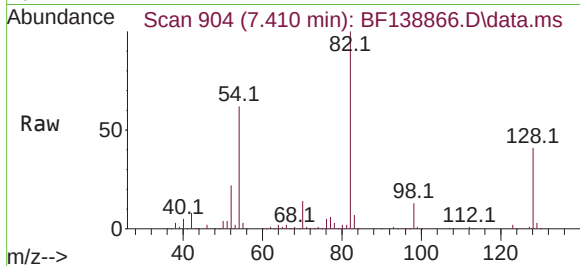
ClientSampleId :

PB162463BS

Tgt Ion: 82 Resp: 35668
Ion Ratio Lower Upper
82 100
128 40.5 32.8 49.2
54 62.2 48.3 72.5

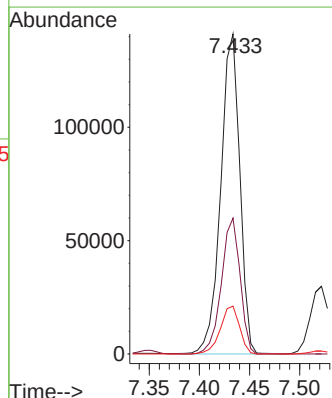
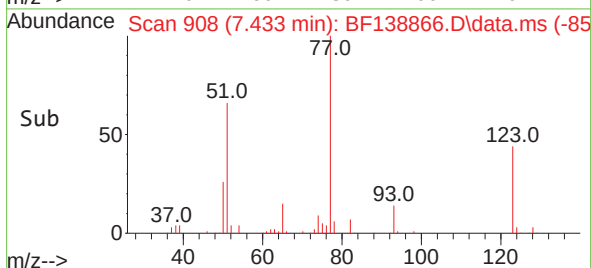
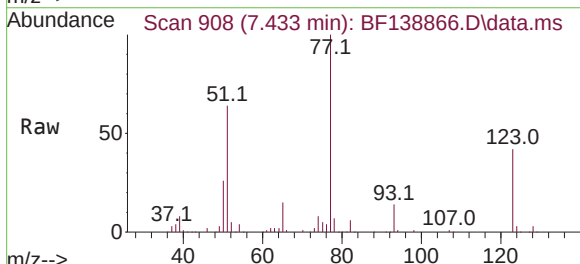
Manual Integrations
APPROVED

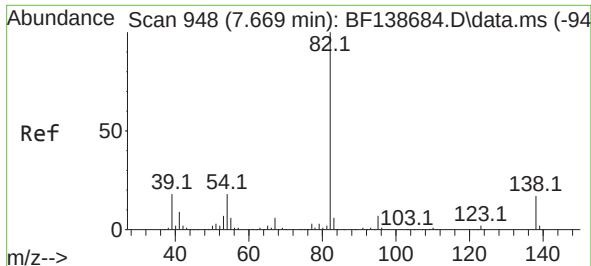
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#24
Nitrobenzene
Concen: 43.953 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

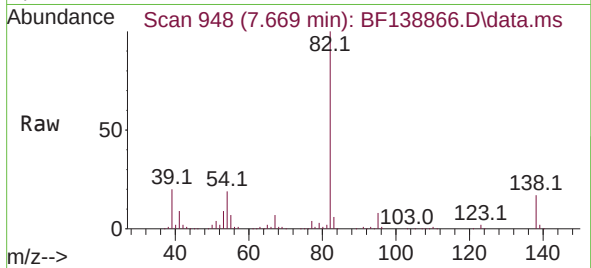
Tgt Ion: 77 Resp: 186701
Ion Ratio Lower Upper
77 100
123 42.5 33.3 49.9
65 14.9 11.9 17.9





#25
Isophorone
Concen: 44.938 ng
RT: 7.669 min Scan# 948
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

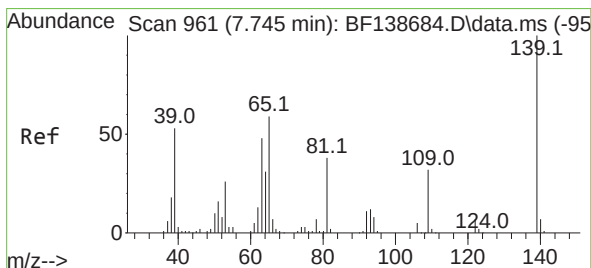
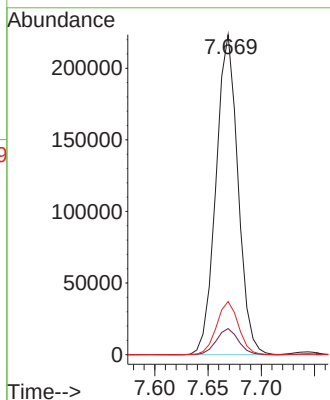
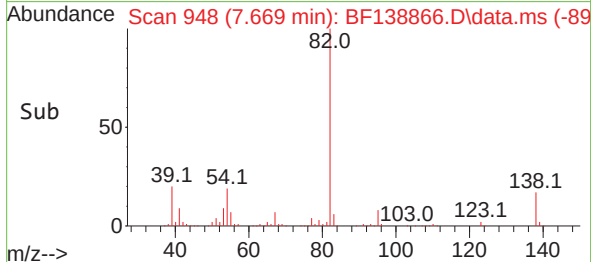
Instrument :
BNA_F
ClientSampleId :
PB162463BS



Tgt Ion: 82 Resp: 320318
Ion Ratio Lower Upper
82 100
95 8.1 5.7 8.5
138 16.6 13.7 20.5

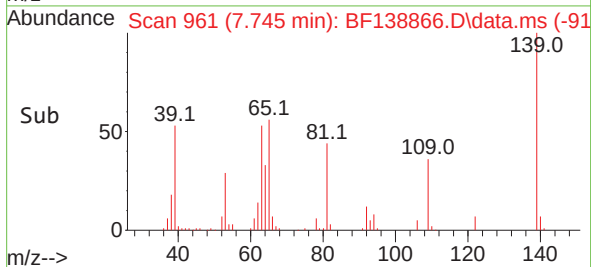
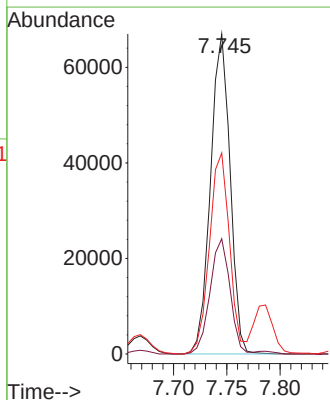
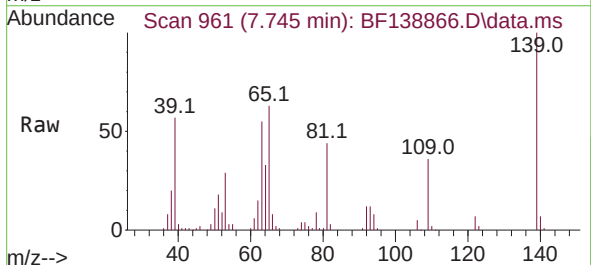
Manual Integrations
APPROVED

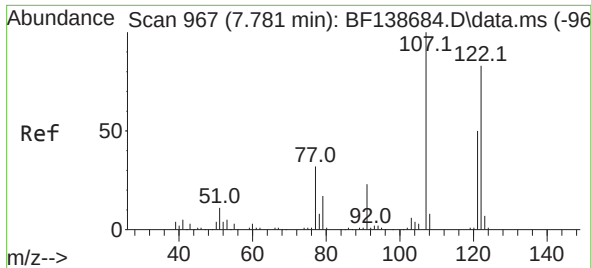
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#26
2-Nitrophenol
Concen: 46.800 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:139 Resp: 85527
Ion Ratio Lower Upper
139 100
109 36.0 25.9 38.9
65 62.8 47.0 70.6





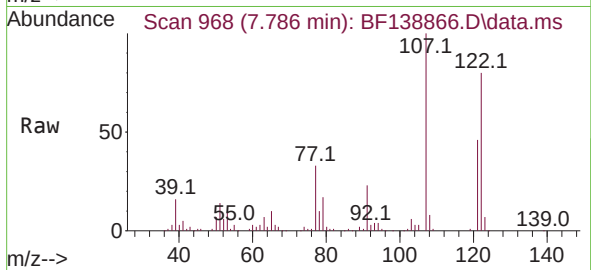
#27
2,4-Dimethylphenol
Concen: 50.415 ng
RT: 7.786 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

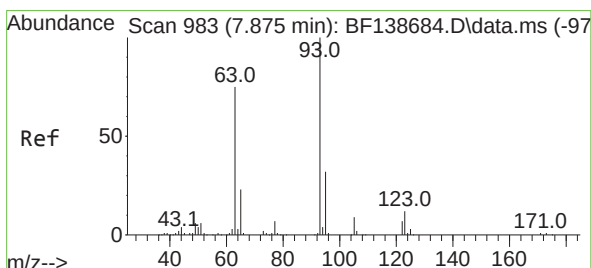
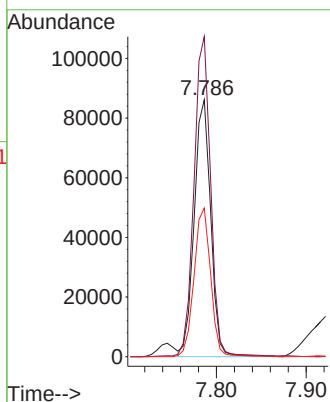
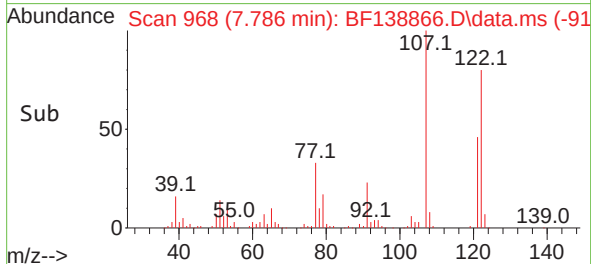


Tgt Ion:122 Resp: 110235
Ion Ratio Lower Upper
122 100
107 124.5 95.0 142.6
121 57.9 47.3 70.9

Manual Integrations

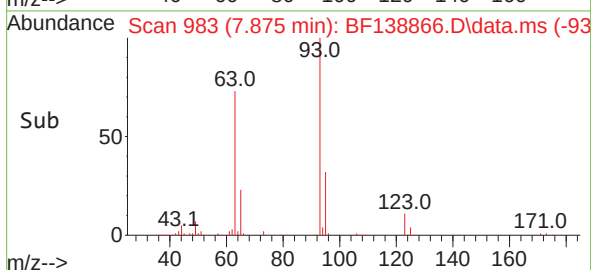
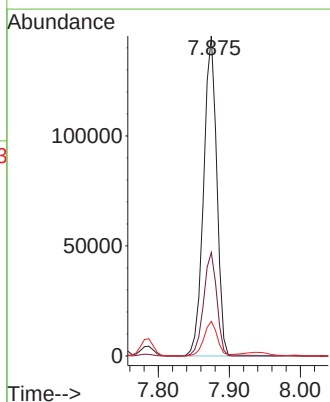
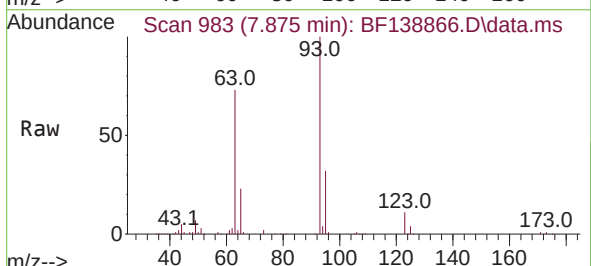
APPROVED

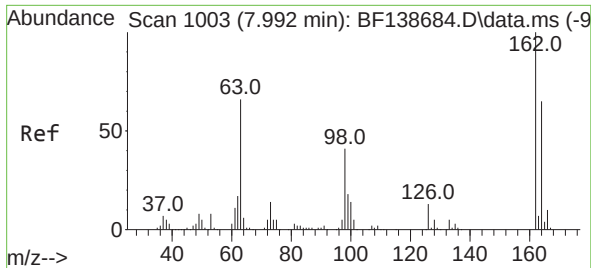
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#28
bis(2-Chloroethoxy)methane
Concen: 43.359 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion: 93 Resp: 188208
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.8
123 10.8 9.4 14.0





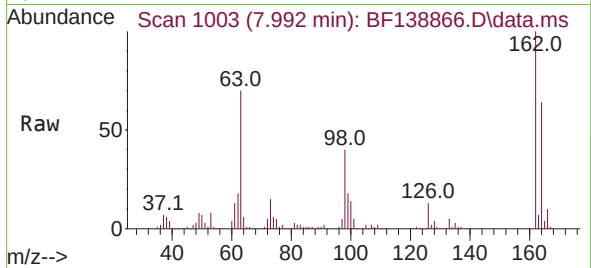
#29
2,4-Dichlorophenol
Concen: 47.397 ng
RT: 7.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS



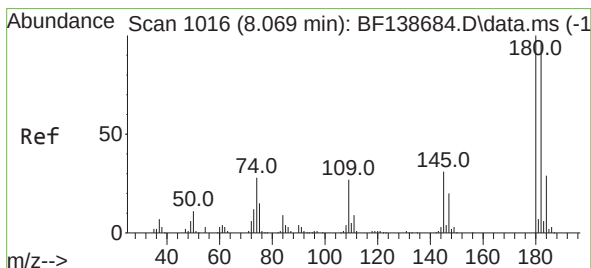
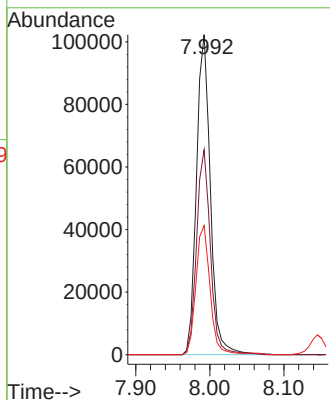
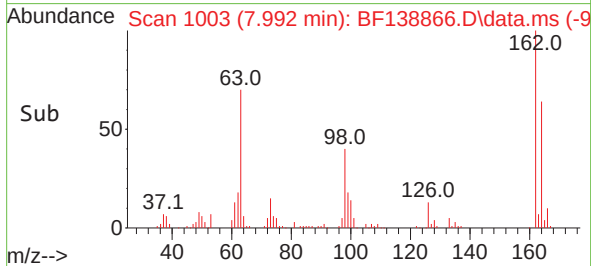
Tgt Ion:162 Resp: 13317
Ion Ratio Lower Upper
162 100
164 64.1 44.7 84.7
98 40.4 20.8 60.8

Manual Integrations

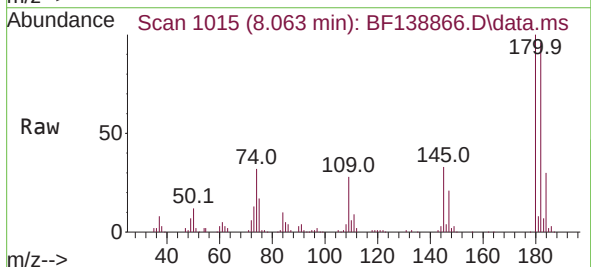
APPROVED

Reviewed By :Yogesh Patel 08/09/2024

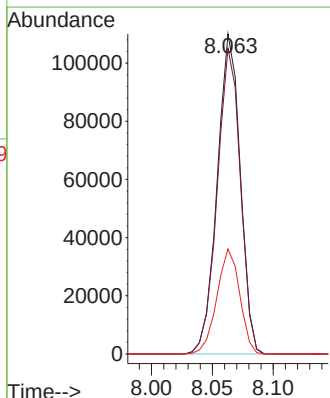
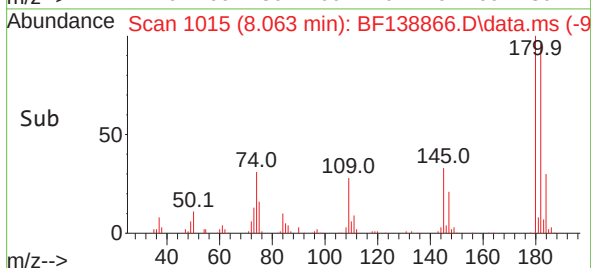
Supervised By :mohammad ahmed 08/09/2024

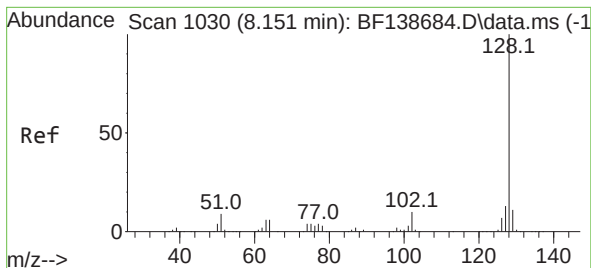


#30
1,2,4-Trichlorobenzene
Concen: 44.701 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:180 Resp: 144942
Ion Ratio Lower Upper
180 100
182 95.5 76.9 115.3
145 32.8 25.0 37.4





#31

Naphthalene

Concen: 44.911 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

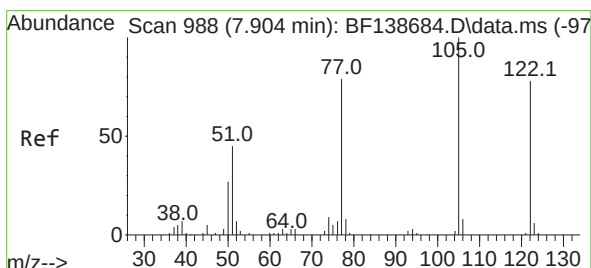
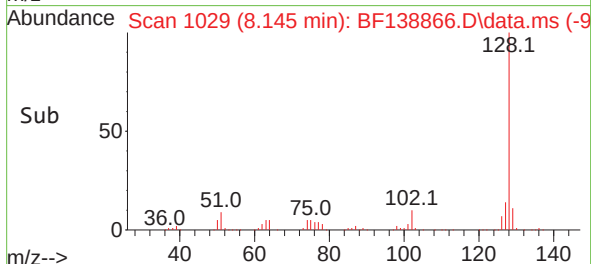
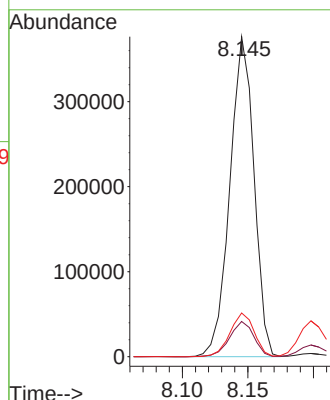
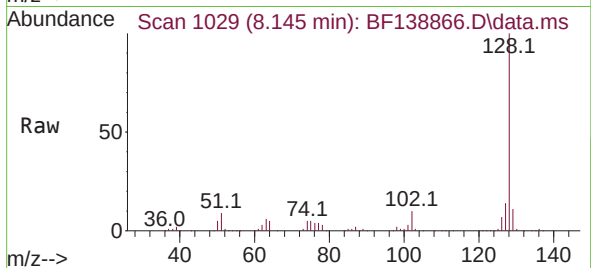
Tgt Ion:128	Resp: 48247
Ion Ratio	Lower Upper
128	100
129	11.0 8.7 13.1
127	13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#32

Benzoic acid

Concen: 36.578 ng

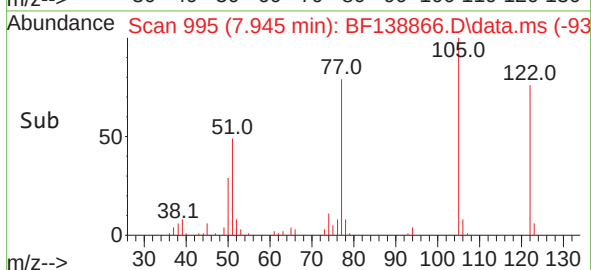
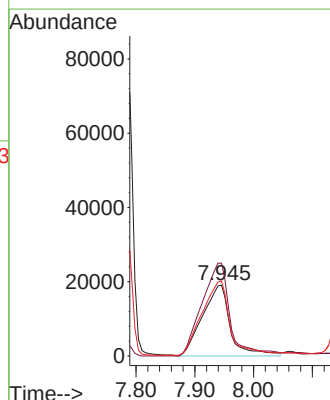
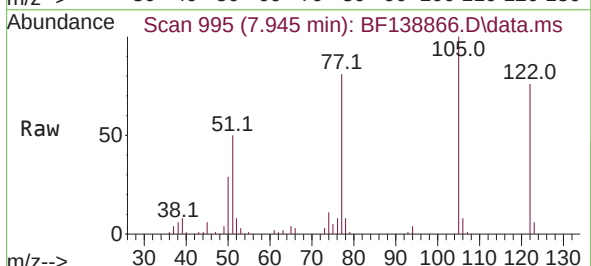
RT: 7.945 min Scan# 995

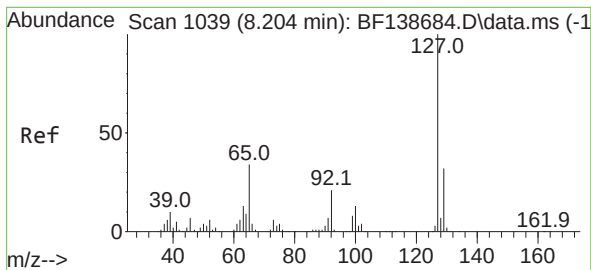
Delta R.T. 0.041 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Tgt Ion:122	Resp: 62871
Ion Ratio	Lower Upper
122	100
105	131.1 106.7 146.7
77	106.0 81.1 121.1





#33
4-Chloroaniline
Concen: 18.664 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

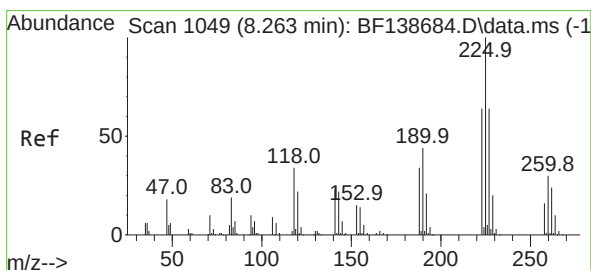
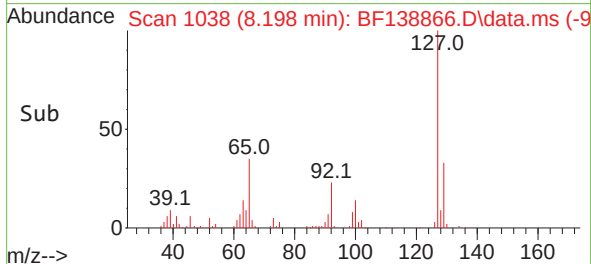
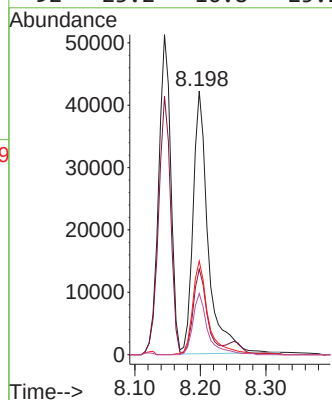
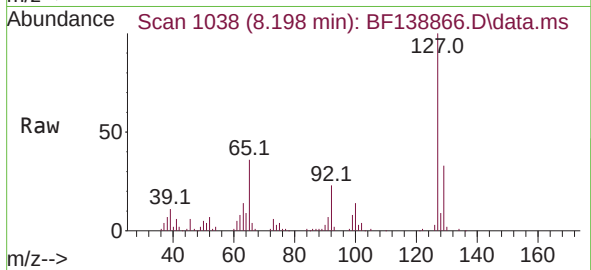
ClientSampleId :

PB162463BS

Tgt Ion:127 Resp: 6730
Ion Ratio Lower Upper
127 100
129 32.5 25.9 38.9
65 35.6 27.6 41.4
92 23.2 16.8 25.2

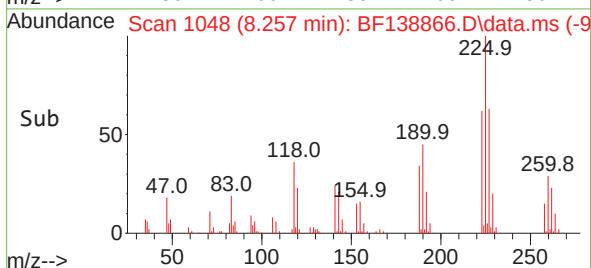
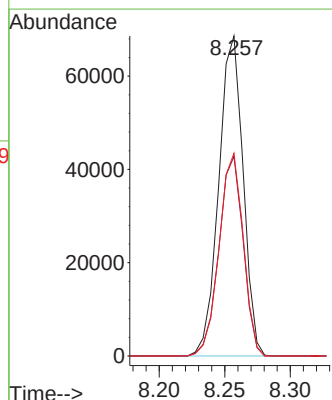
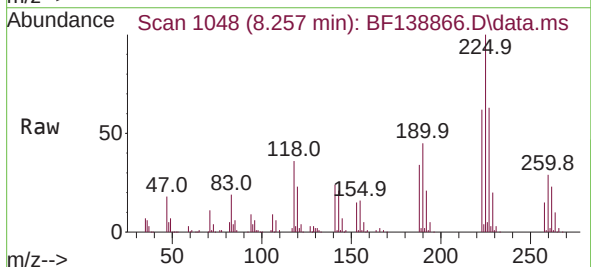
Manual Integrations
APPROVED

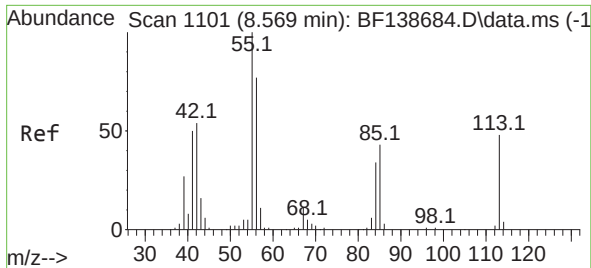
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#34
Hexachlorobutadiene
Concen: 45.013 ng
RT: 8.257 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

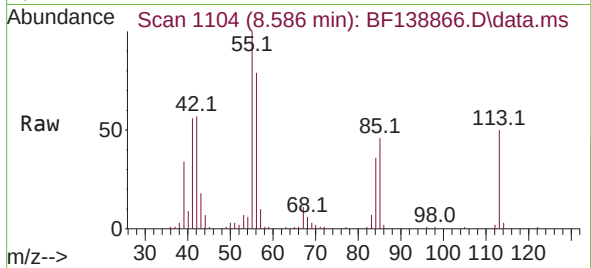
Tgt Ion:225 Resp: 88404
Ion Ratio Lower Upper
225 100
223 62.3 51.2 76.8
227 63.3 51.1 76.7





#35
Caprolactam
Concen: 41.541 ng m
RT: 8.586 min Scan# 1104
Delta R.T. 0.018 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

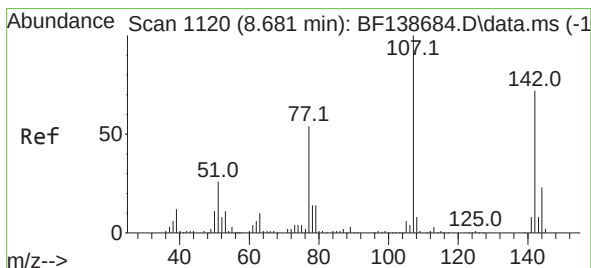
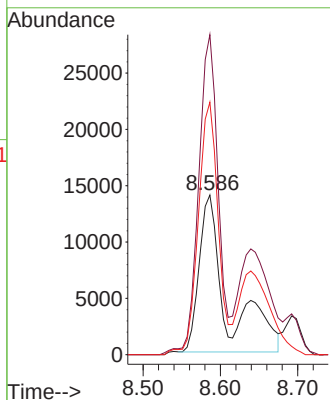
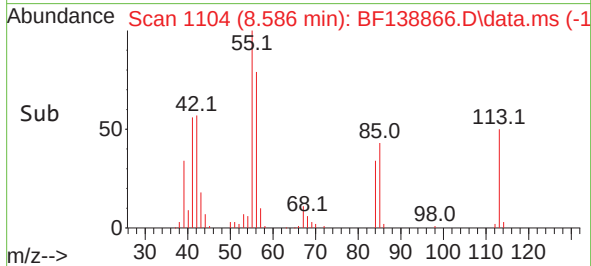
Instrument :
BNA_F
ClientSampleId :
PB162463BS



Tgt Ion:113 Resp: 3482
Ion Ratio Lower Upper
113 100
55 200.4 186.7 226.7
56 158.1 138.9 178.9

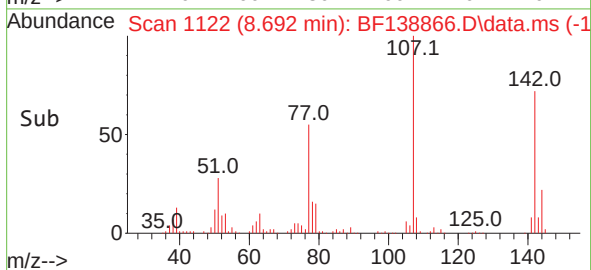
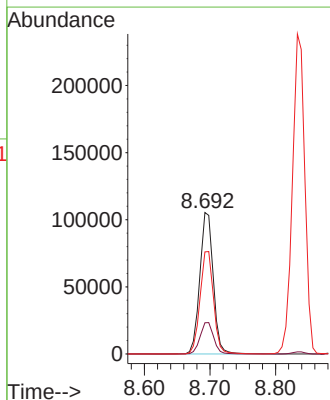
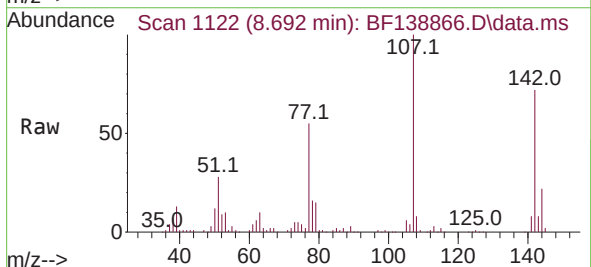
Manual Integrations
APPROVED

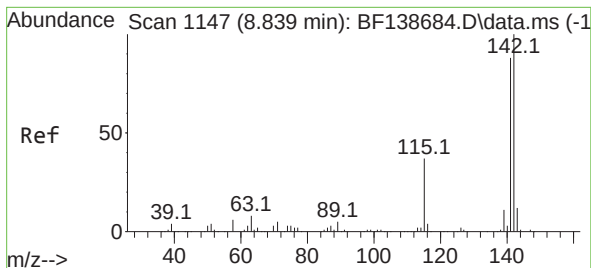
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#36
4-Chloro-3-methylphenol
Concen: 47.044 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:107 Resp: 151061
Ion Ratio Lower Upper
107 100
144 22.0 18.2 27.2
142 72.1 57.4 86.2





#37
2-Methylnaphthalene
Concen: 46.041 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

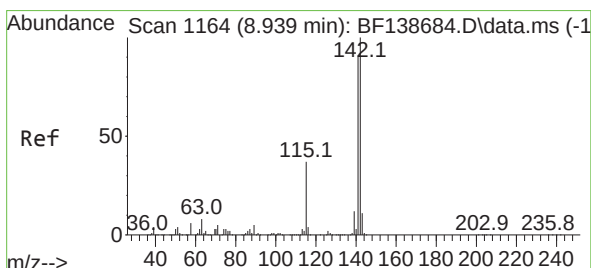
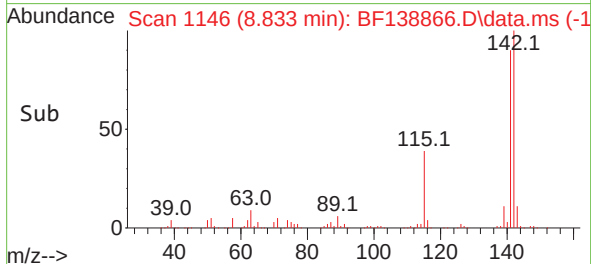
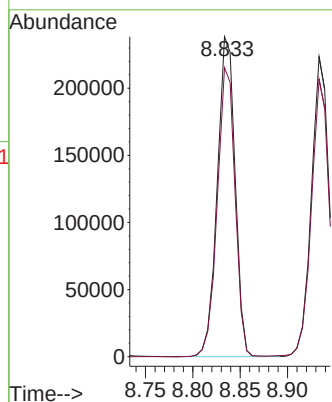
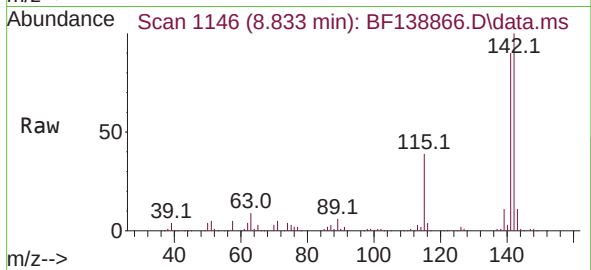
PB162463BS

Tgt Ion:142 Resp: 312370
Ion Ratio Lower Upper
142 100
141 90.3 70.8 106.2

Manual Integrations

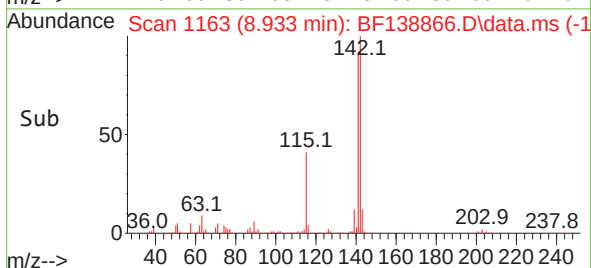
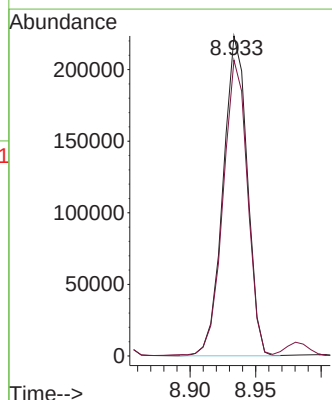
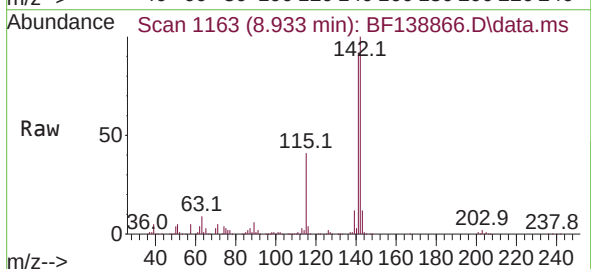
APPROVED

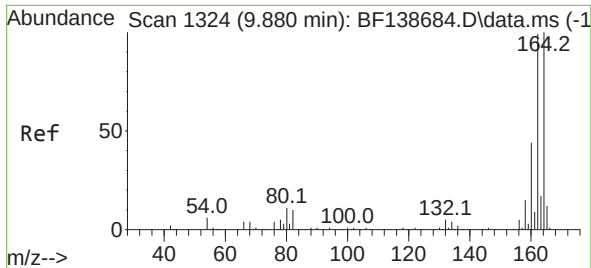
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#38
1-Methylnaphthalene
Concen: 43.061 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:142 Resp: 286286
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7





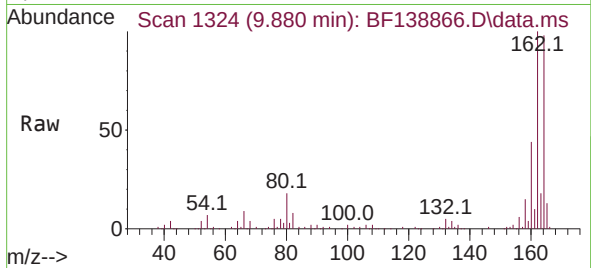
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

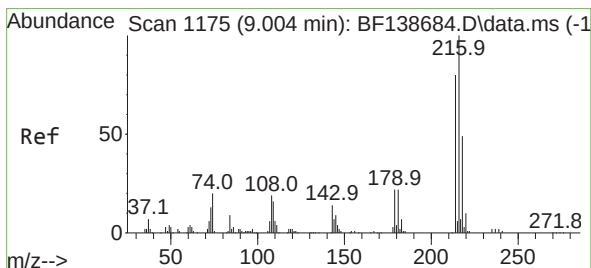
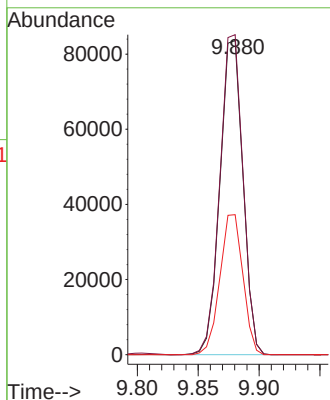
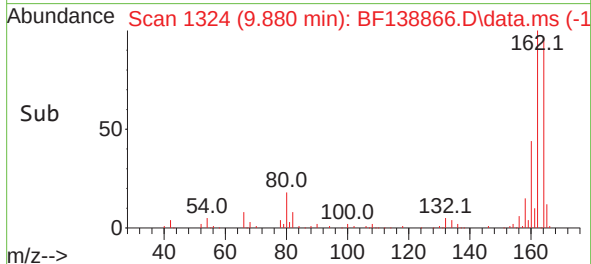


Tgt Ion:164 Resp: 110072
Ion Ratio Lower Upper
164 100
162 101.9 79.4 119.0
160 44.6 35.1 52.7

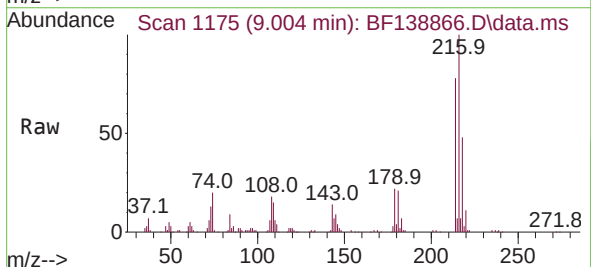
Manual Integrations

APPROVED

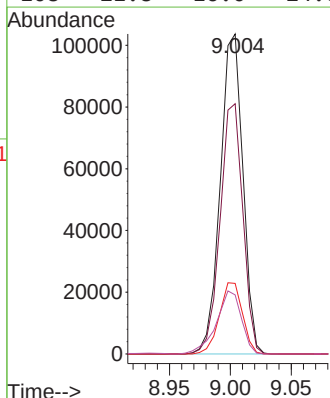
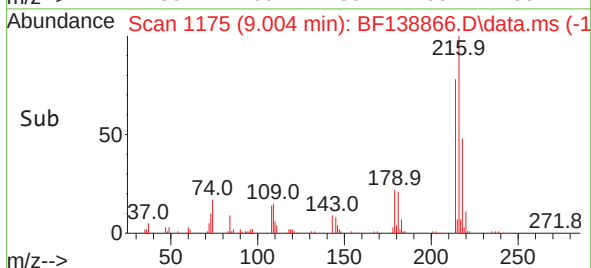
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

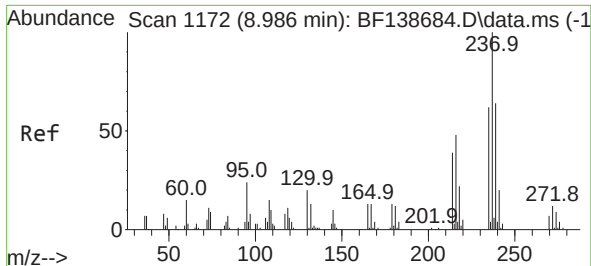


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.777 ng
RT: 9.004 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



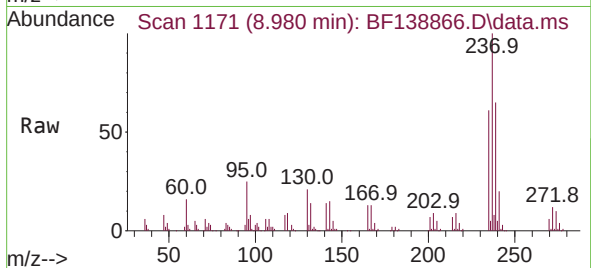
Tgt Ion:216 Resp: 133856
Ion Ratio Lower Upper
216 100
214 78.6 63.9 95.9
179 22.7 17.8 26.6
108 21.8 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 106.404 ng
RT: 8.980 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

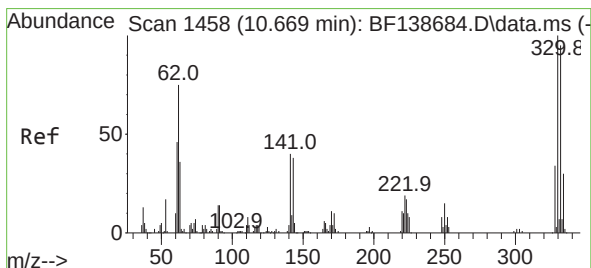
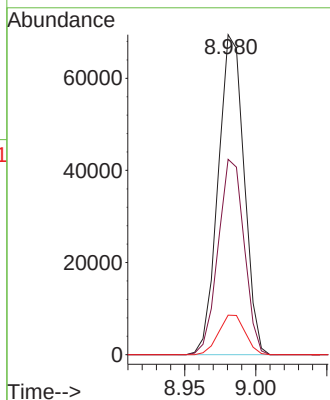
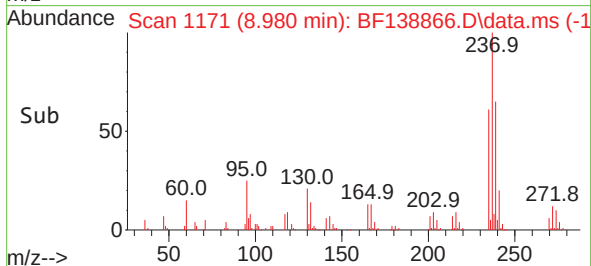
Instrument :
BNA_F
ClientSampleId :
PB162463BS



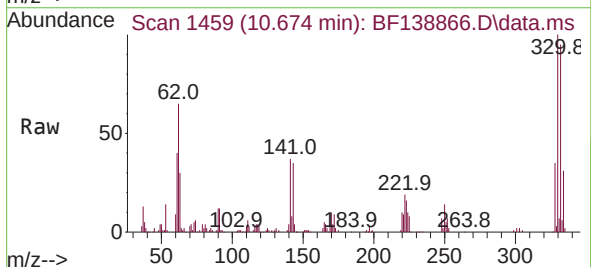
Tgt Ion:237 Resp: 8815
Ion Ratio Lower Upper
237 100
235 61.1 41.8 81.8
272 12.4 0.0 32.2

Manual Integrations
APPROVED

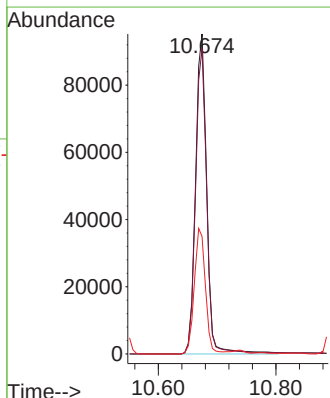
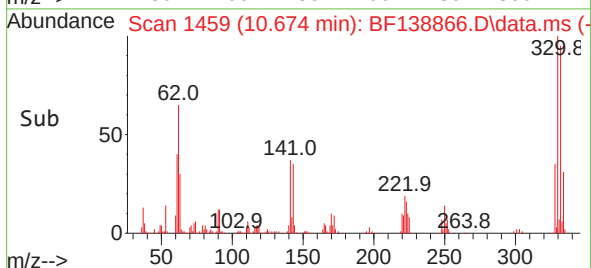
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

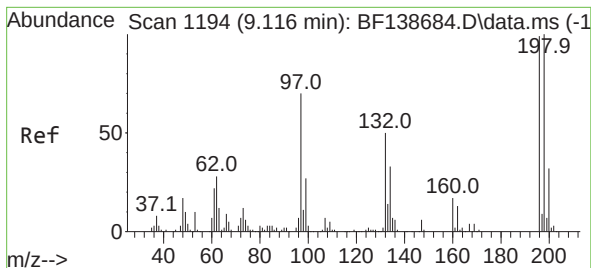


#42
2,4,6-Tribromophenol
Concen: 139.739 ng
RT: 10.674 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:330 Resp: 125994
Ion Ratio Lower Upper
330 100
332 95.6 76.4 114.6
141 39.0 31.1 46.7





#43
2,4,6-Trichlorophenol
Concen: 45.119 ng
RT: 9.122 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

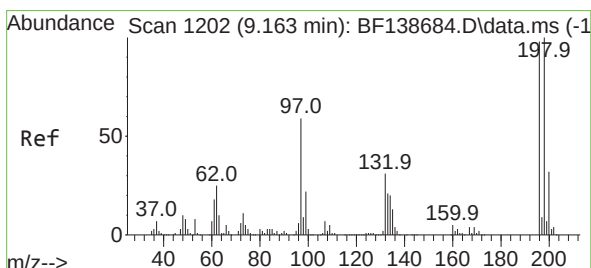
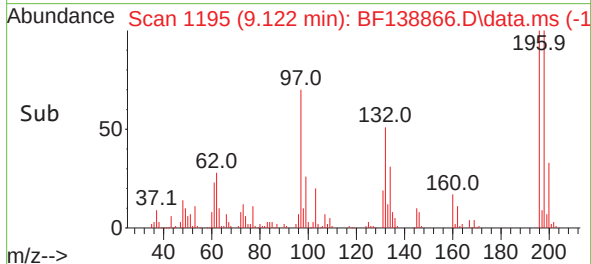
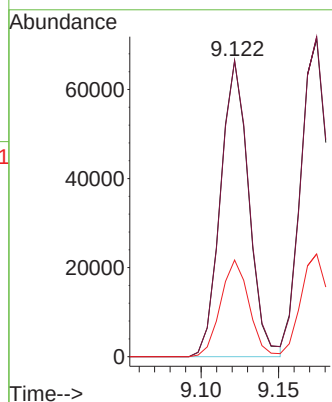
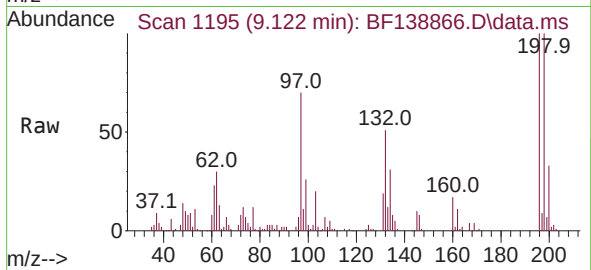
PB162463BS

Tgt Ion:196 Resp: 84110
Ion Ratio Lower Upper
196 100
198 100.0 80.5 120.7
200 32.6 25.9 38.9

Manual Integrations

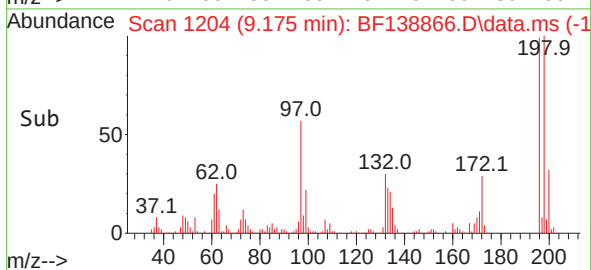
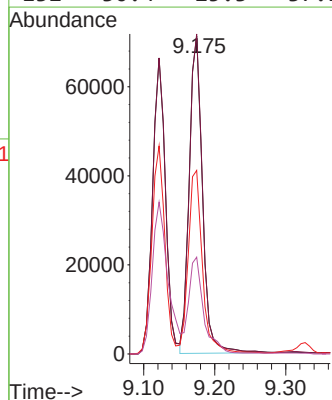
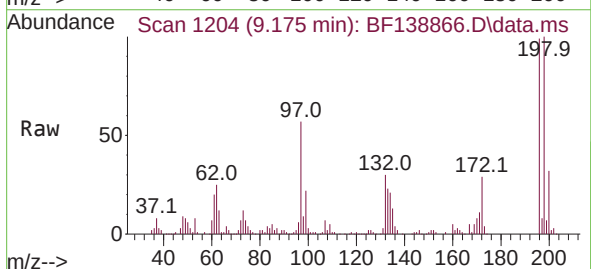
APPROVED

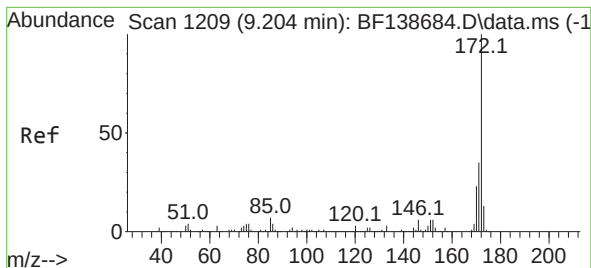
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#44
2,4,5-Trichlorophenol
Concen: 45.575 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:196 Resp: 92884
Ion Ratio Lower Upper
196 100
198 100.7 81.2 121.8
97 57.7 47.8 71.6
132 30.4 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 89.601 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138866.D

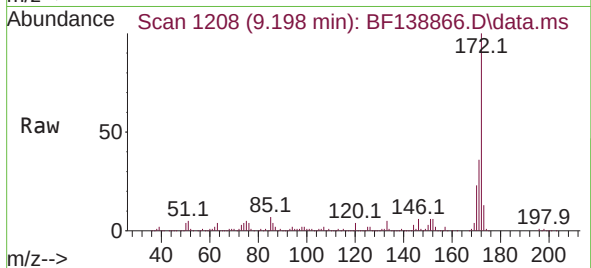
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

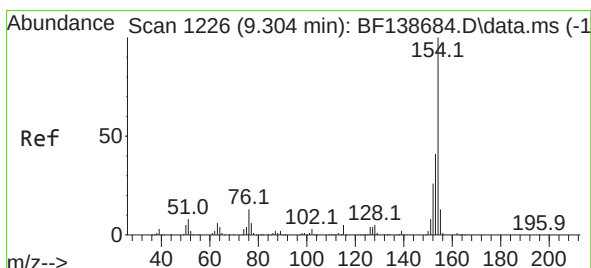
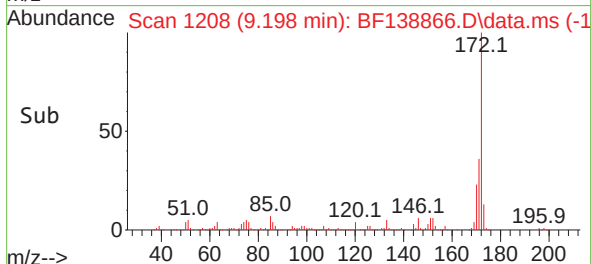
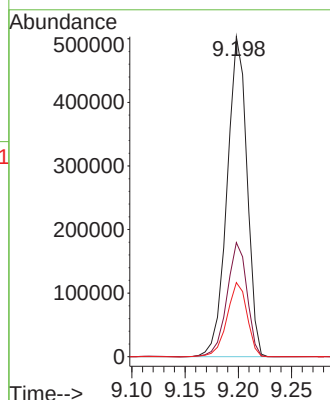


Tgt Ion:	172	Resp:	65641
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.3	42.5
170	23.1	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#46

1,1'-Biphenyl

Concen: 42.403 ng

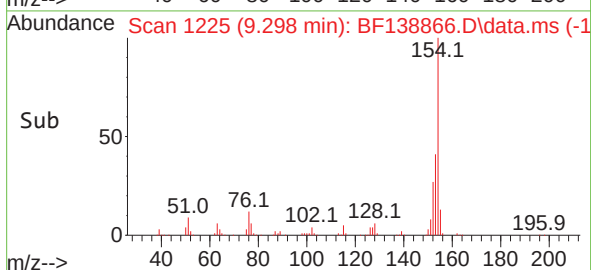
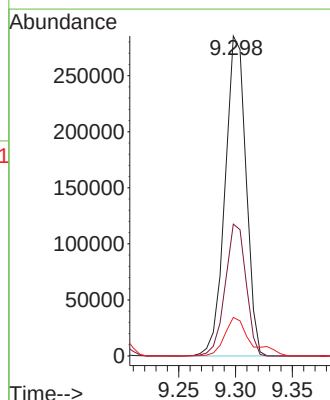
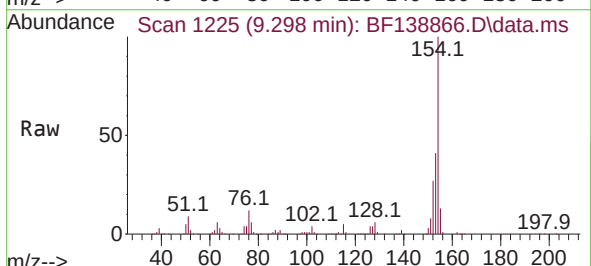
RT: 9.298 min Scan# 1225

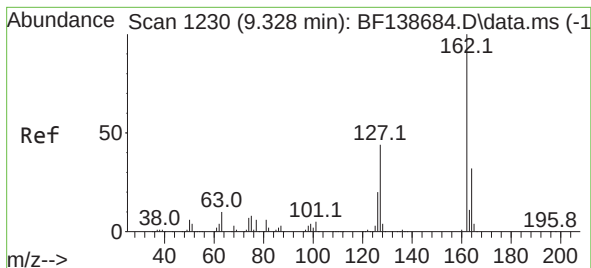
Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Tgt Ion:	154	Resp:	365546
Ion Ratio	Lower	Upper	
154	100		
153	41.2	20.8	60.8
76	12.0	0.0	32.8





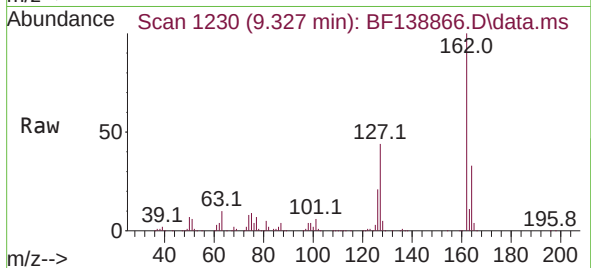
#47
2-Chloronaphthalene
Concen: 45.451 ng
RT: 9.327 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

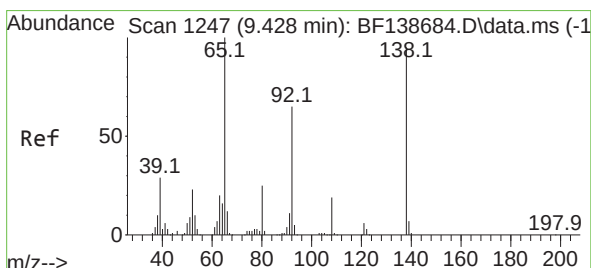
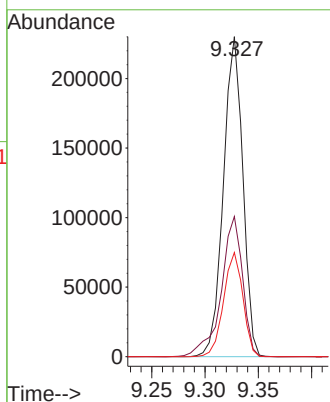
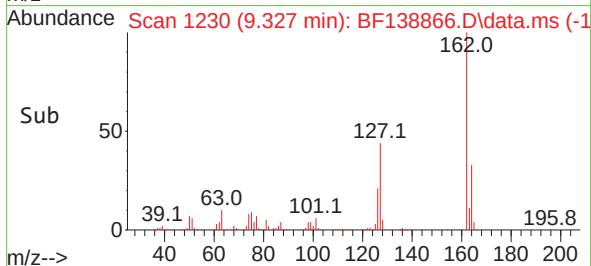
PB162463BS



Tgt Ion:162 Resp: 29140
Ion Ratio Lower Upper
162 100
127 43.8 35.4 53.2
164 32.6 25.6 38.4

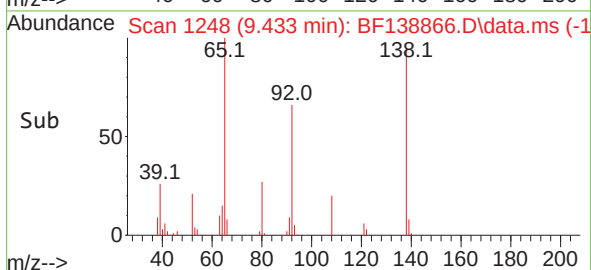
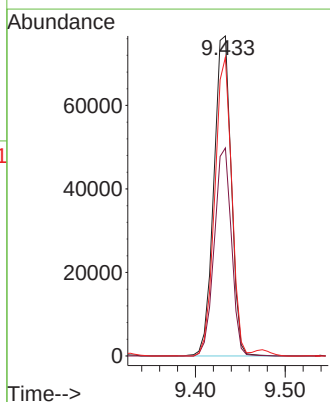
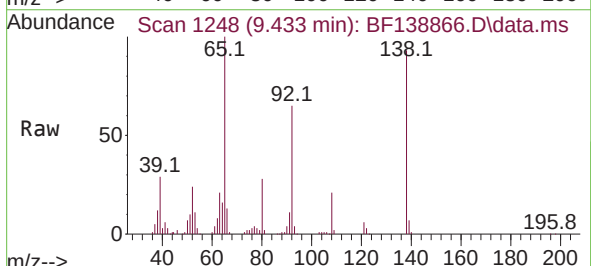
Manual Integrations
APPROVED

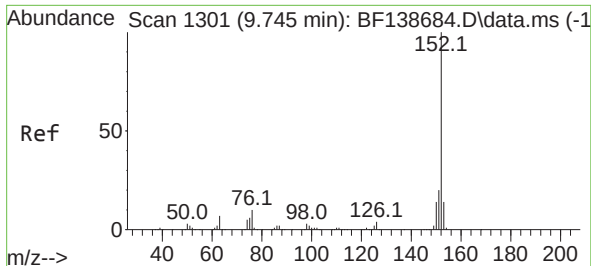
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#48
2-Nitroaniline
Concen: 47.481 ng
RT: 9.433 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion: 65 Resp: 103203
Ion Ratio Lower Upper
65 100
92 65.0 52.0 78.0
138 93.4 76.2 114.4





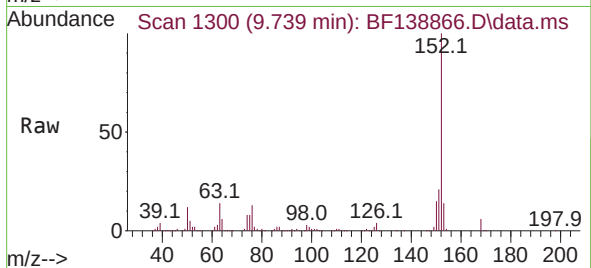
#49
Acenaphthylene
Concen: 49.428 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS



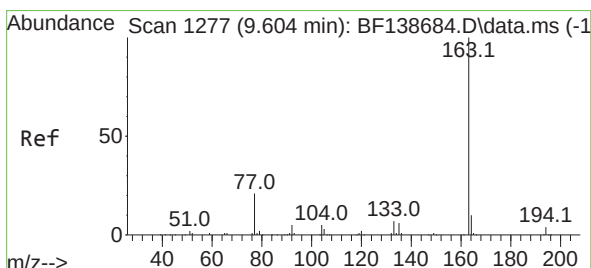
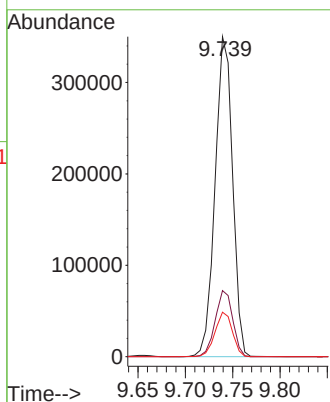
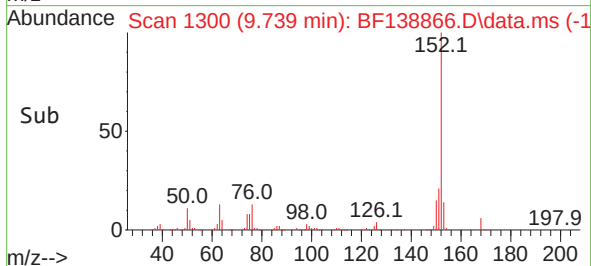
Tgt Ion:152 Resp: 449469
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 13.9 11.0 16.4

Manual Integrations

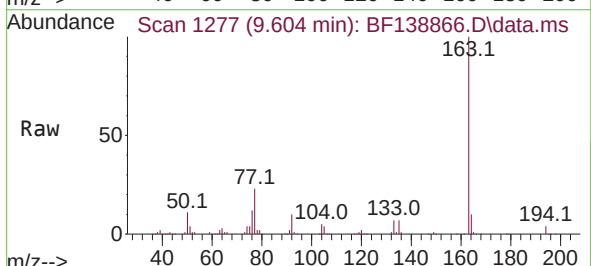
APPROVED

Reviewed By :Yogesh Patel 08/09/2024

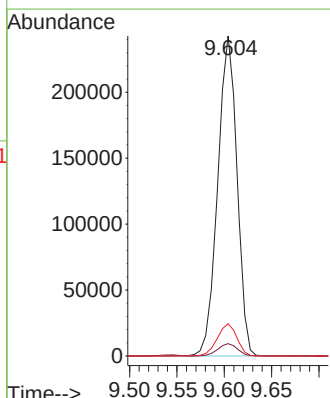
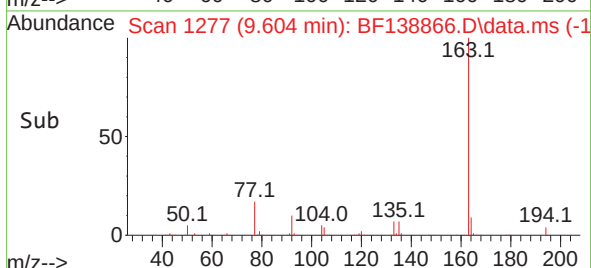
Supervised By :mohammad ahmed 08/09/2024

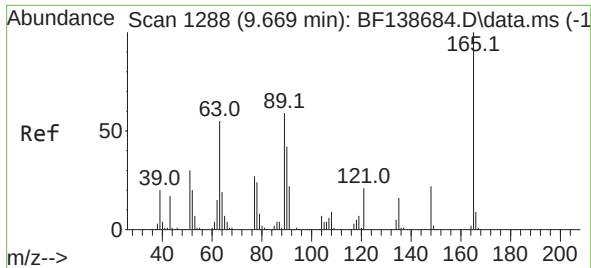


#50
Dimethylphthalate
Concen: 48.864 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



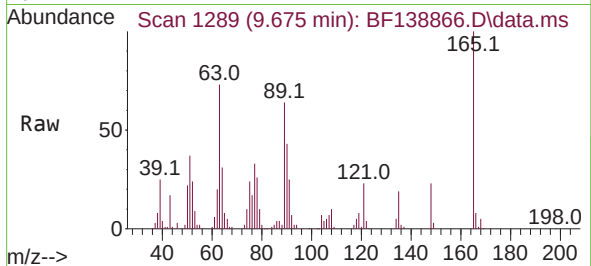
Tgt Ion:163 Resp: 343910
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.1 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 46.080 ng
RT: 9.675 min Scan# 1288
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

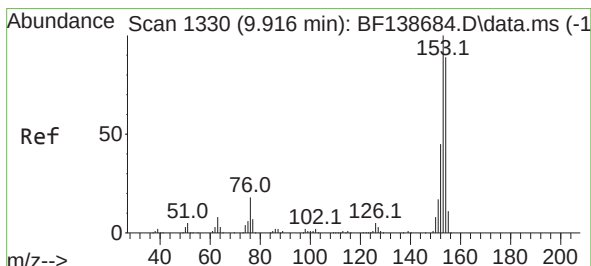
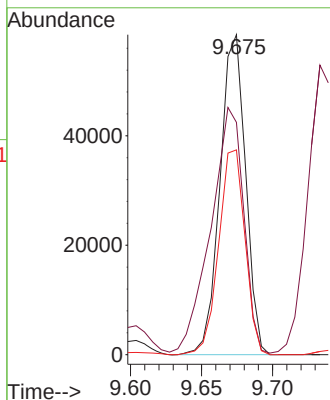
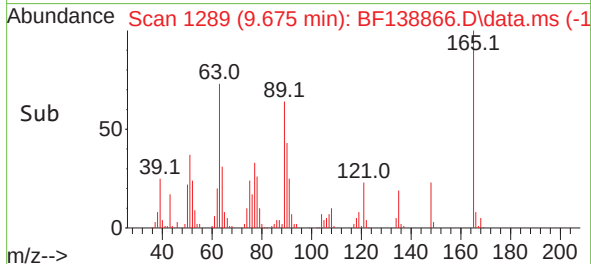
Instrument :
BNA_F
ClientSampleId :
PB162463BS



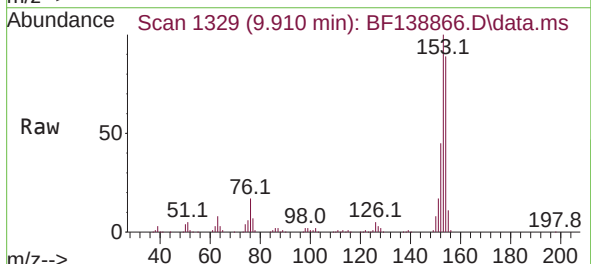
Tgt Ion:165 Resp: 7319
Ion Ratio Lower Upper
165 100
63 72.6 52.0 78.0
89 64.0 47.0 70.6

Manual Integrations
APPROVED

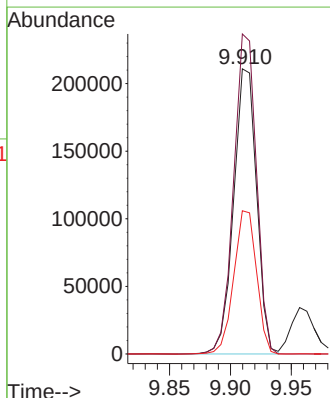
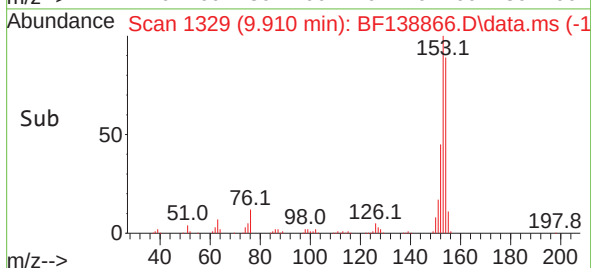
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

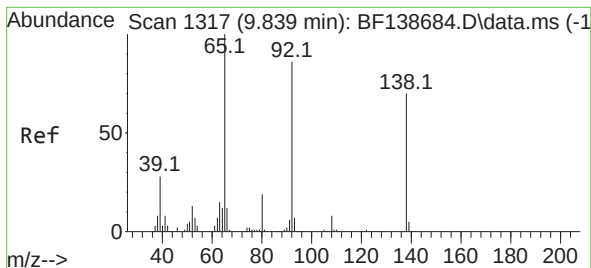


#52
Acenaphthene
Concen: 45.323 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



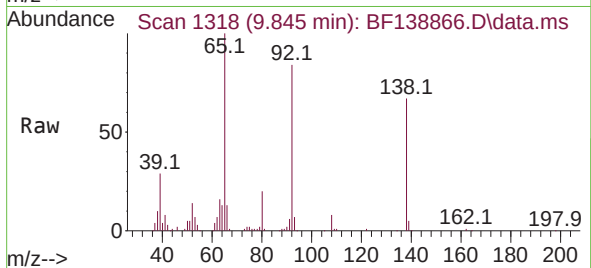
Tgt Ion:154 Resp: 277044
Ion Ratio Lower Upper
154 100
153 112.2 89.9 134.9
152 50.2 40.6 60.8





#53
3-Nitroaniline
Concen: 30.224 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

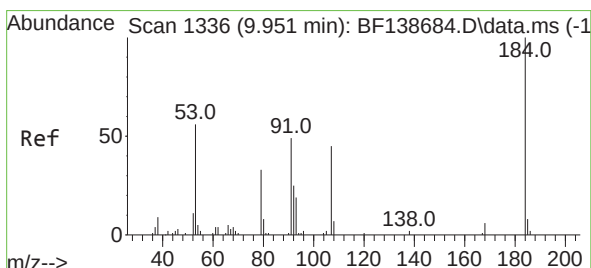
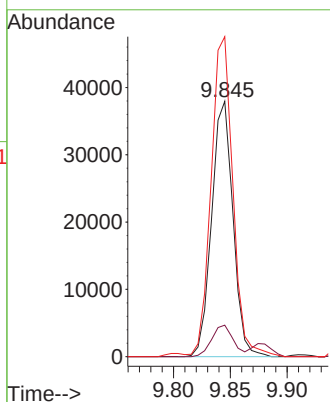
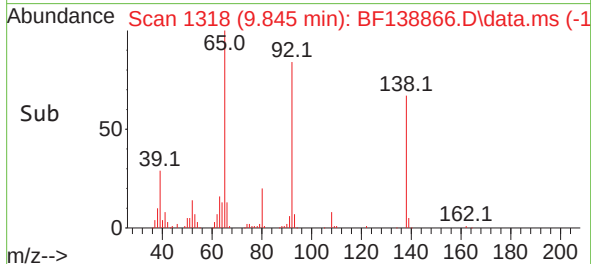
Instrument :
BNA_F
ClientSampleId :
PB162463BS



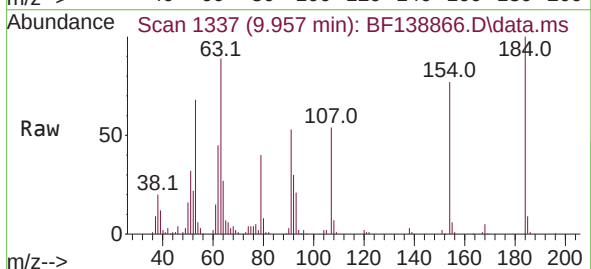
Tgt Ion:138 Resp: 49628
Ion Ratio Lower Upper
138 100
108 12.3 9.1 13.7
92 125.3 98.7 148.1

Manual Integrations
APPROVED

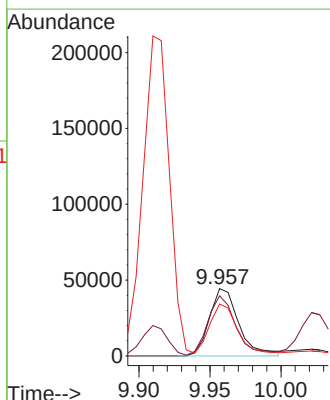
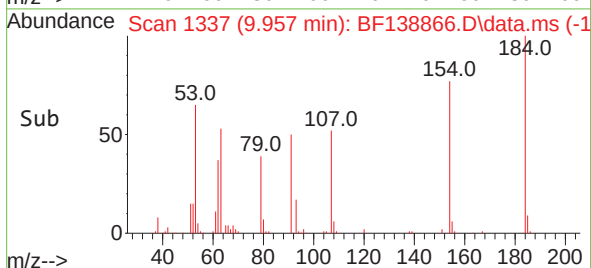
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

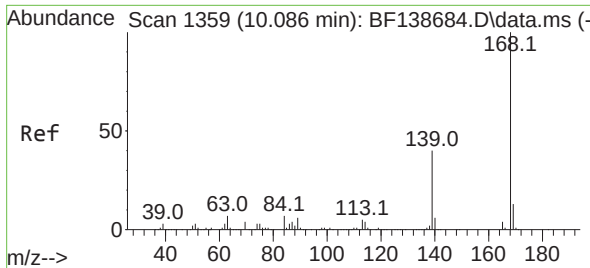


#54
2,4-Dinitrophenol
Concen: 87.810 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



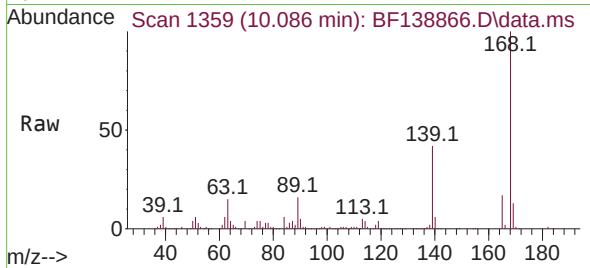
Tgt Ion:184 Resp: 64205
Ion Ratio Lower Upper
184 100
63 89.3 57.5 86.3#
154 77.3 51.7 77.5





#55
Dibenzenofuran
Concen: 47.444 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

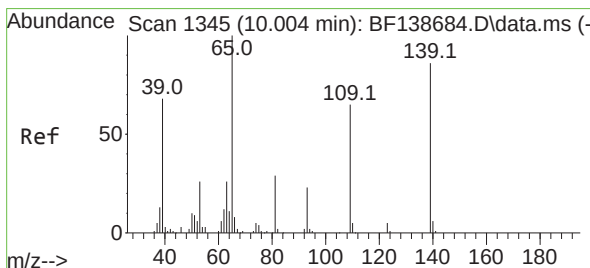
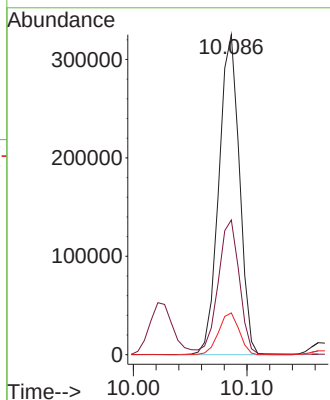
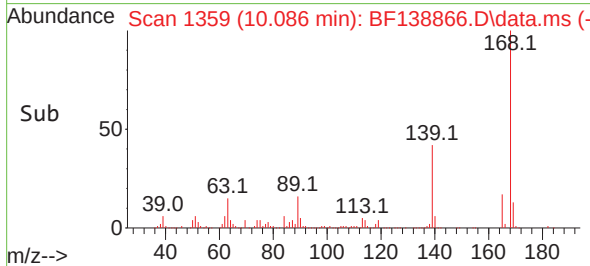
Instrument :
BNA_F
ClientSampleId :
PB162463BS



Tgt Ion:168 Resp: 40938
Ion Ratio Lower Upper
168 100
139 42.1 32.6 49.0
169 13.0 10.7 16.1

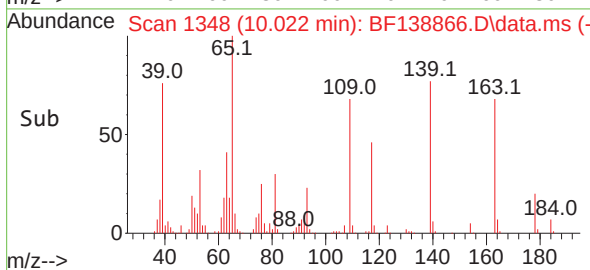
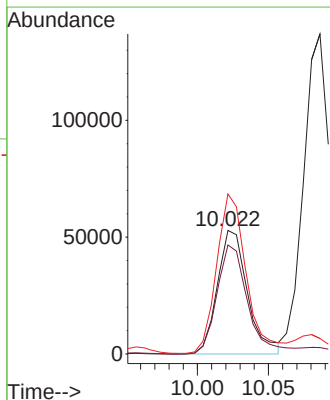
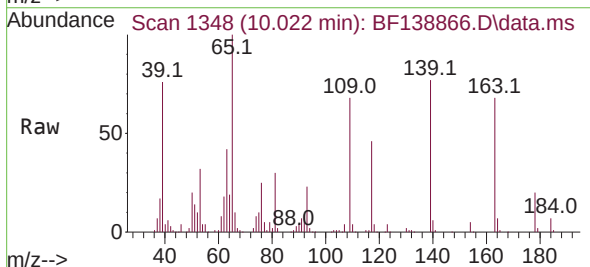
Manual Integrations
APPROVED

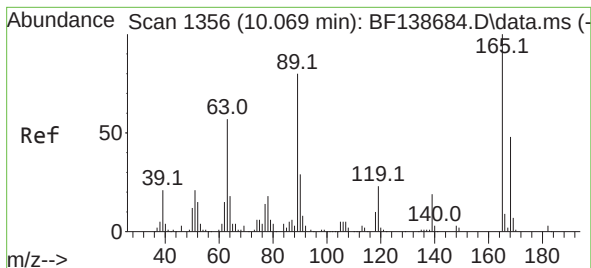
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#56
4-Nitrophenol
Concen: 79.031 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:139 Resp: 78038
Ion Ratio Lower Upper
139 100
109 88.2 55.5 95.5
65 129.6 96.7 136.7





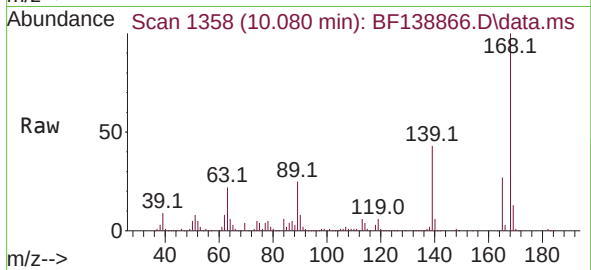
#57
2,4-Dinitrotoluene
Concen: 48.979 ng
RT: 10.080 min Scan# 1356
Delta R.T. 0.012 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

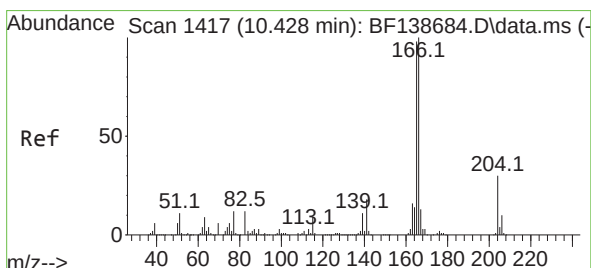
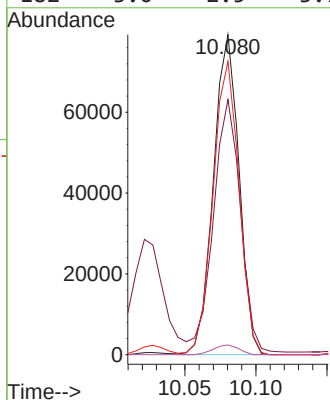
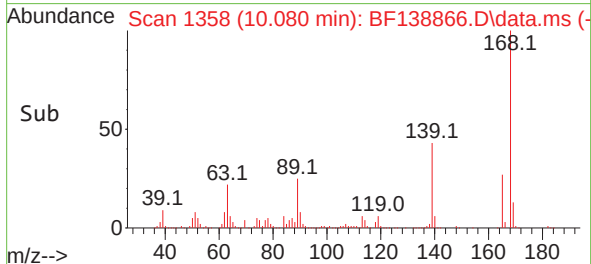


Tgt Ion:165 Resp: 9925
Ion Ratio Lower Upper
165 100
63 79.7 46.3 69.5
89 91.6 64.2 96.4
182 3.0 2.5 3.7

Manual Integrations

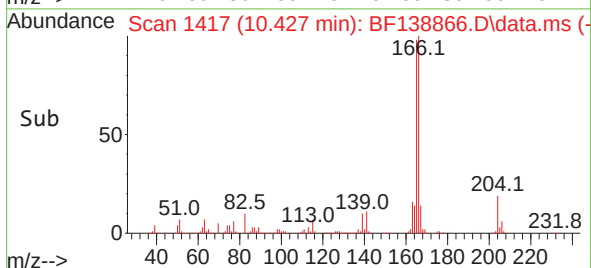
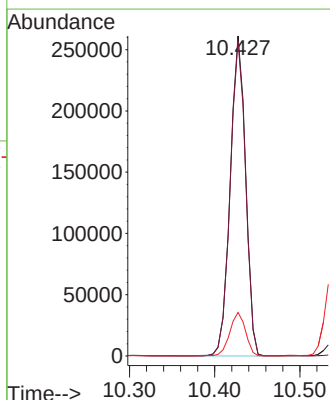
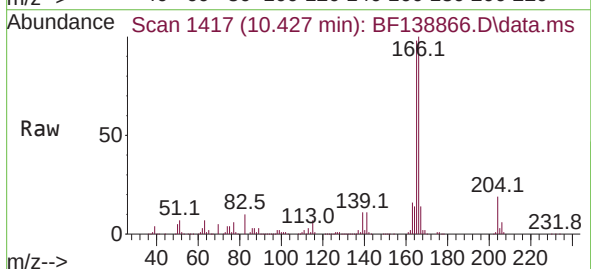
APPROVED

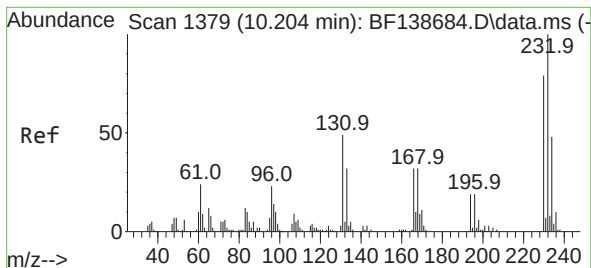
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#58
Fluorene
Concen: 47.949 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

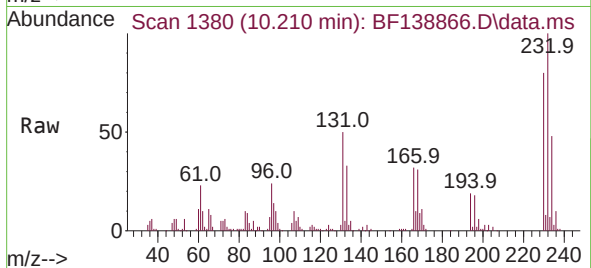
Tgt Ion:166 Resp: 329475
Ion Ratio Lower Upper
166 100
165 98.3 78.4 117.6
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.836 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

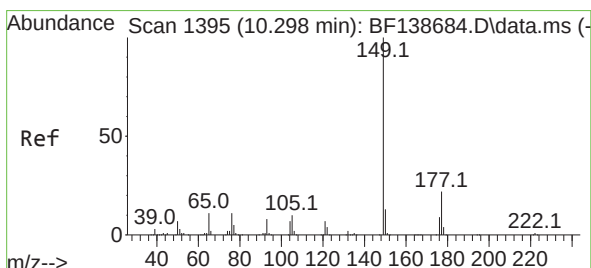
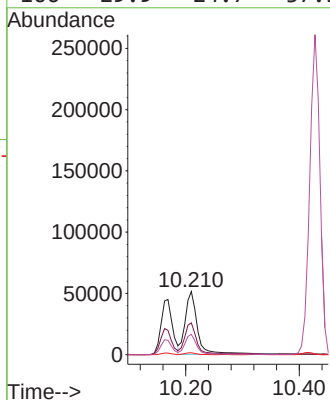
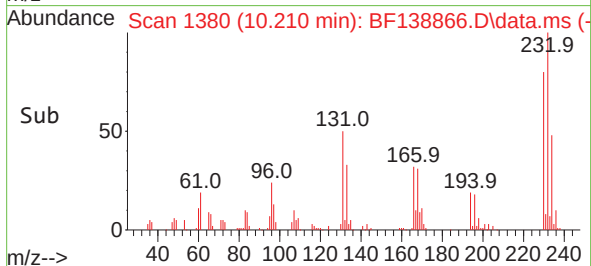
Instrument :
BNA_F
ClientSampleId :
PB162463BS



Tgt Ion:232 Resp: 7609
Ion Ratio Lower Upper
232 100
131 49.7 37.0 55.4
130 2.9 2.0 3.0
166 29.9 24.7 37.1

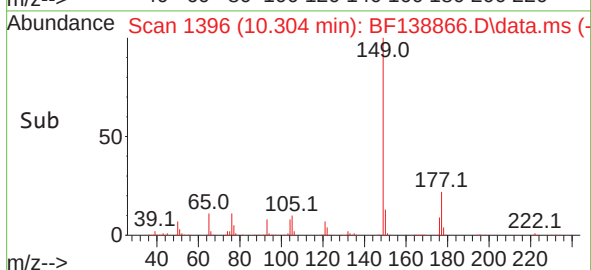
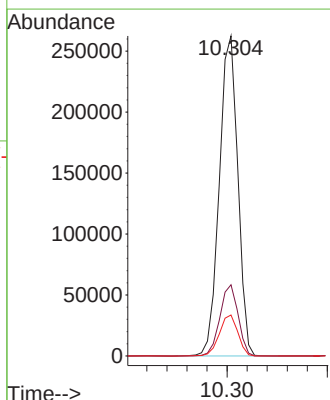
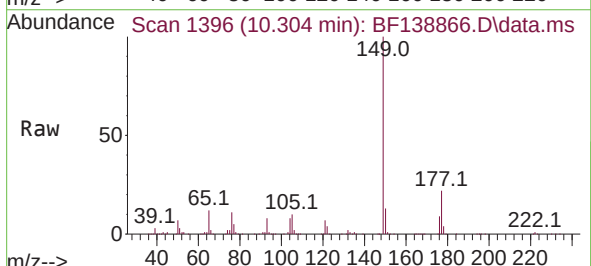
Manual Integrations
APPROVED

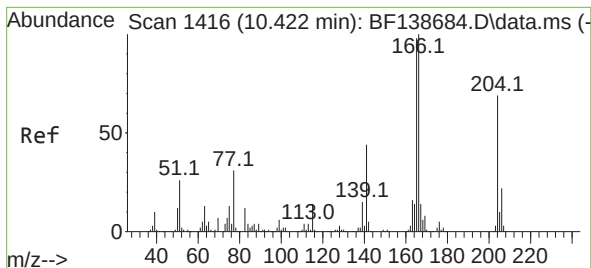
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#60
Diethylphthalate
Concen: 50.288 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:149 Resp: 335590
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.8
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 47.724 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

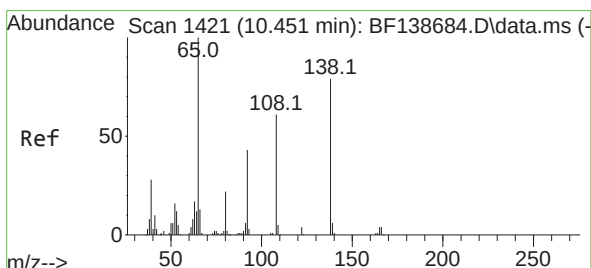
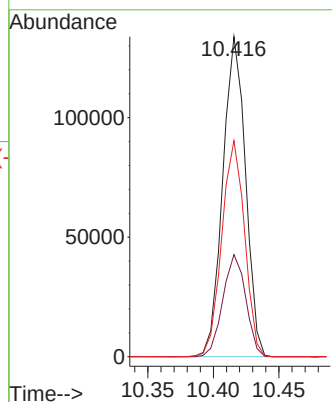
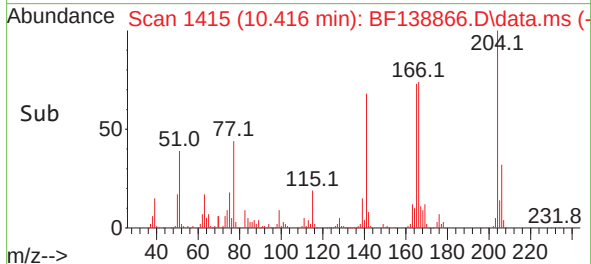
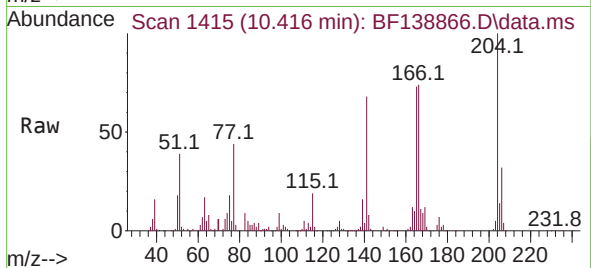
PB162463BS

Tgt Ion:204 Resp: 16128
Ion Ratio Lower Upper
204 100
206 31.9 26.1 39.1
141 67.5 51.4 77.0

Manual Integrations

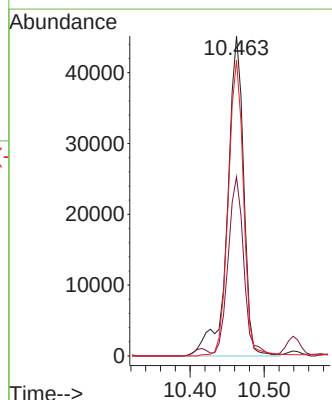
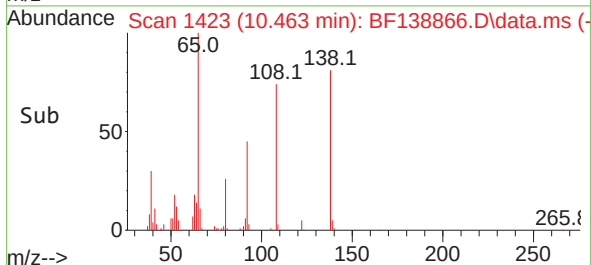
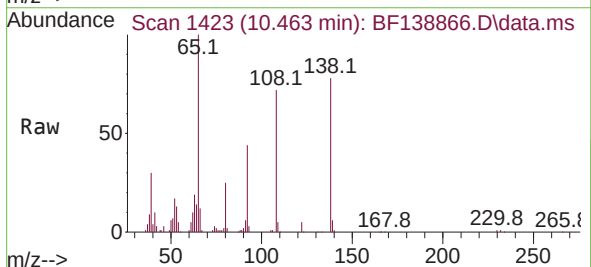
APPROVED

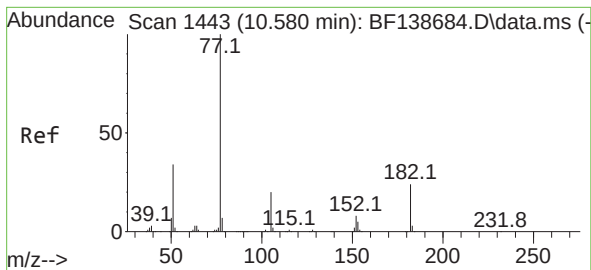
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#62
4-Nitroaniline
Concen: 44.155 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

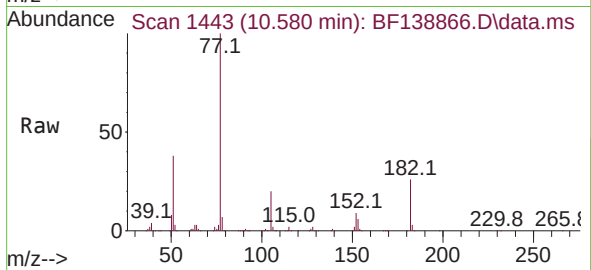
Tgt Ion:138 Resp: 68902
Ion Ratio Lower Upper
138 100
92 56.0 34.2 74.2
108 92.4 56.2 96.2





#63
Azobenzene
Concen: 46.905 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

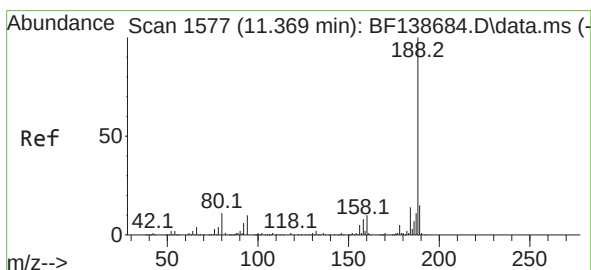
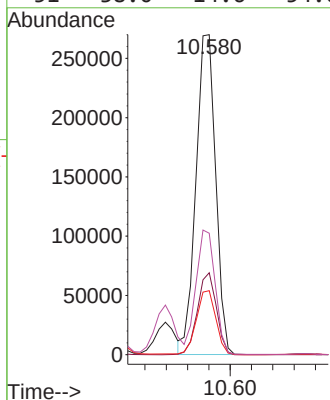
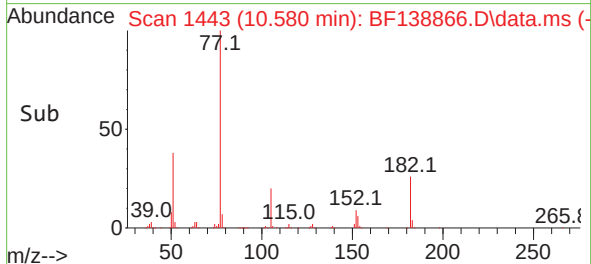
Instrument :
BNA_F
ClientSampleId :
PB162463BS



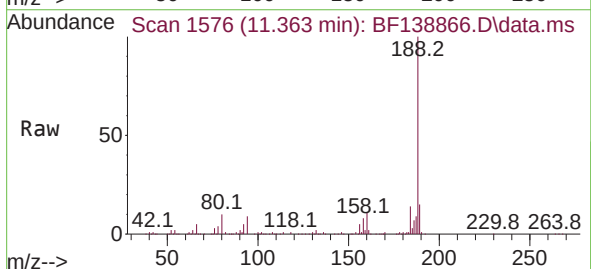
Tgt Ion: 77 Resp: 347164
Ion Ratio Lower Upper
77 100
182 25.6 3.4 43.4
105 20.0 0.2 40.2
51 38.0 14.6 54.6

Manual Integrations
APPROVED

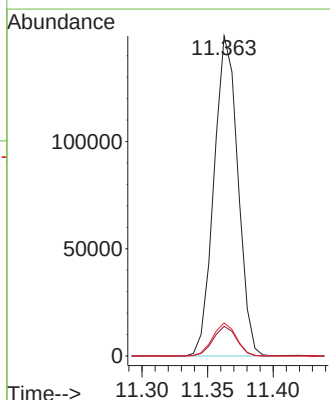
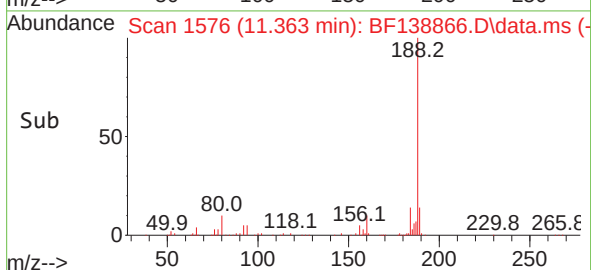
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

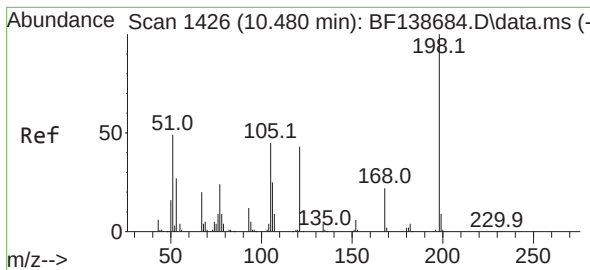


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:188 Resp: 189484
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 10.3 8.6 12.8





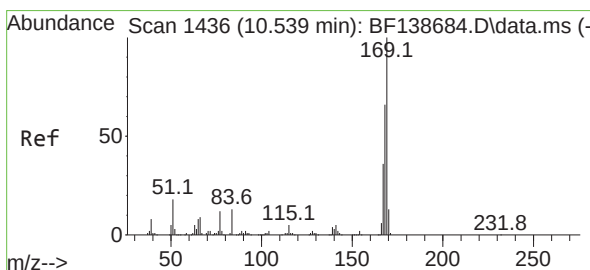
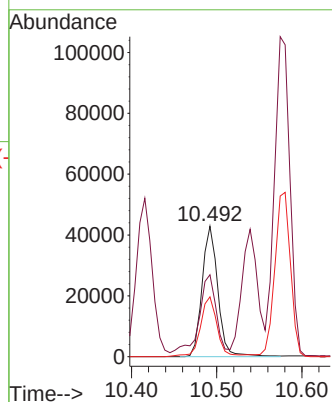
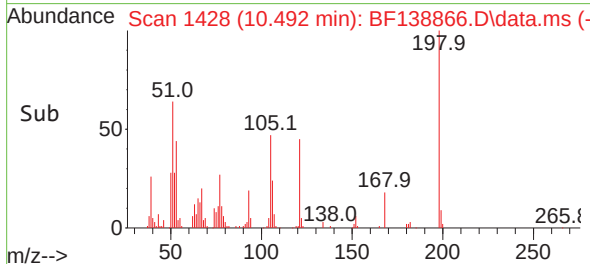
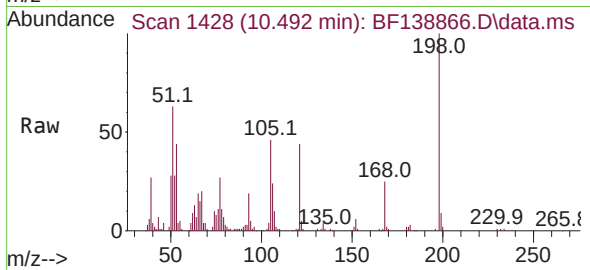
#65
4,6-Dinitro-2-methylphenol
Concen: 47.742 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :
BNA_F
ClientSampleId :
PB162463BS

Tgt Ion:198 Resp: 5519
Ion Ratio Lower Upper
198 100
51 62.8 39.9 79.9
105 45.8 26.1 66.1

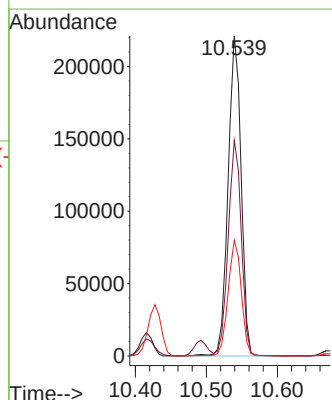
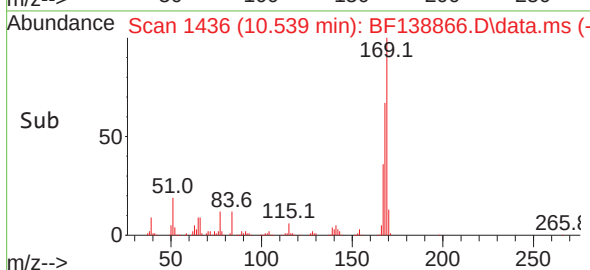
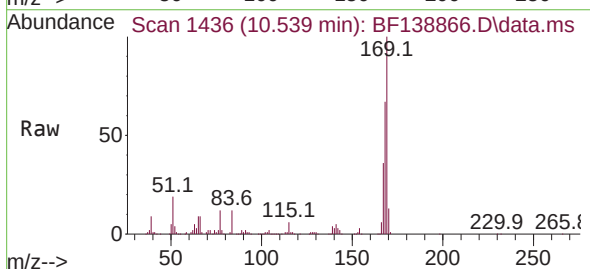
Manual Integrations
APPROVED

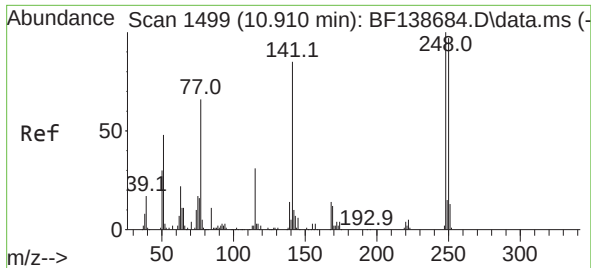
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#66
n-Nitrosodiphenylamine
Concen: 47.464 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:169 Resp: 281123
Ion Ratio Lower Upper
169 100
168 67.4 53.0 79.6
167 36.2 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 45.375 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

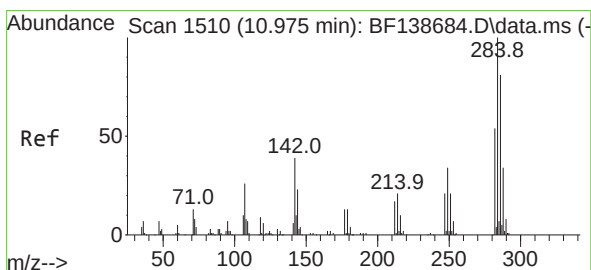
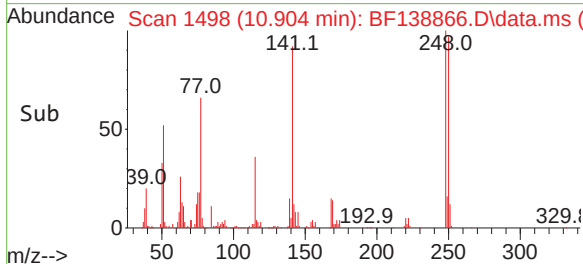
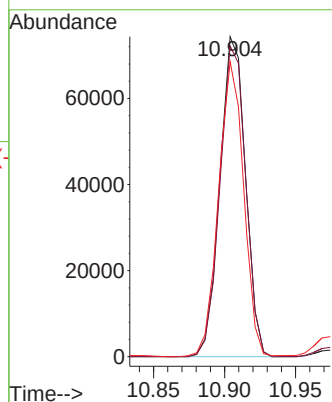
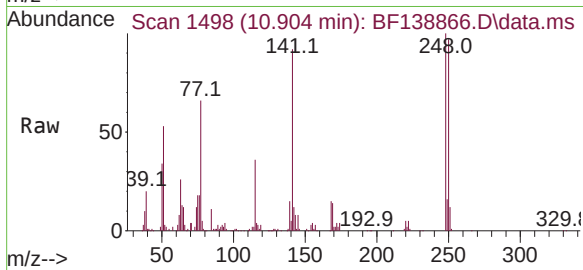
PB162463BS

Tgt Ion:248 Resp: 93088
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 92.2 68.0 102.0

Manual Integrations

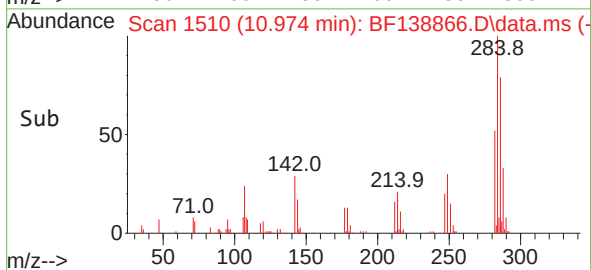
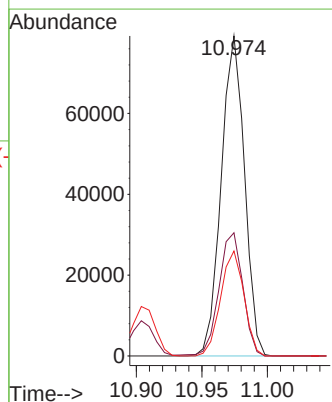
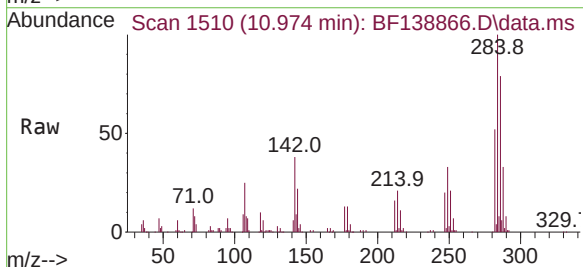
APPROVED

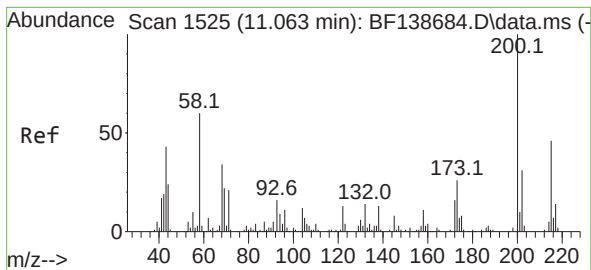
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#68
Hexachlorobenzene
Concen: 46.082 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:284 Resp: 97611
Ion Ratio Lower Upper
284 100
142 38.5 31.3 46.9
249 32.8 27.2 40.8





#69

Atrazine

Concen: 54.617 ng

RT: 11.069 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

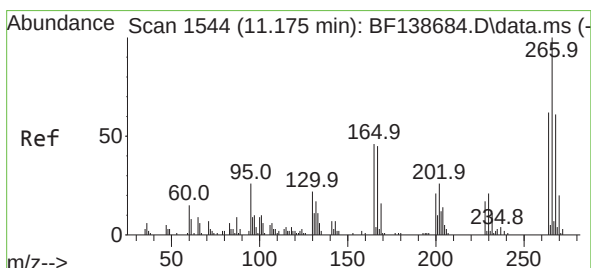
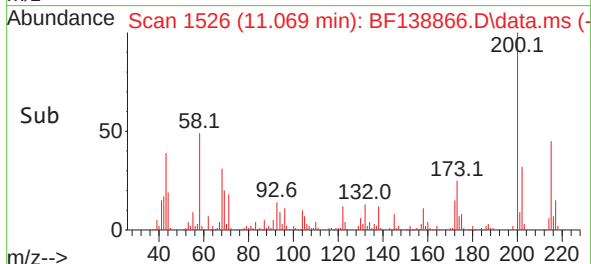
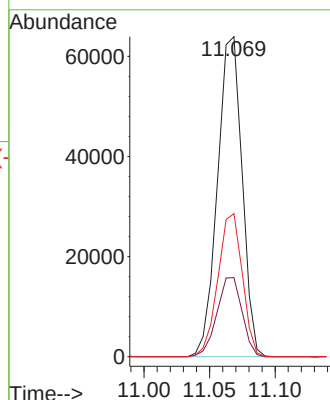
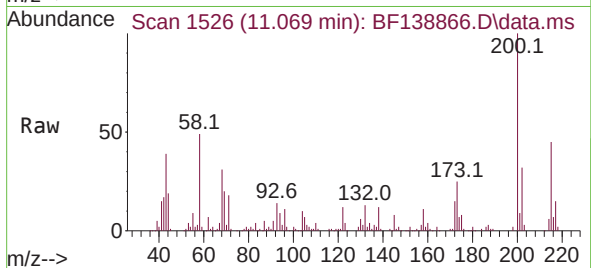
PB162463BS

Tgt Ion:200 Resp: 8346
 Ion Ratio Lower Upper
 200 100
 173 24.7 6.0 46.0
 215 44.7 26.1 66.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024



#70

Pentachlorophenol

Concen: 74.046 ng

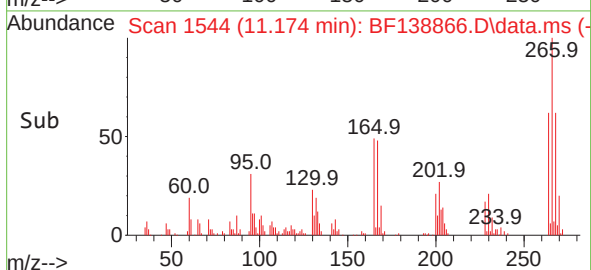
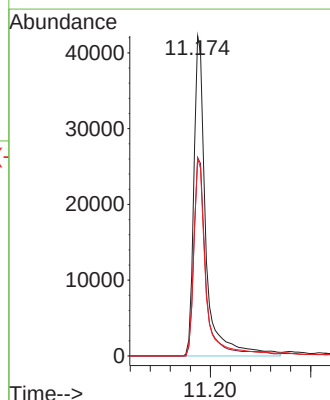
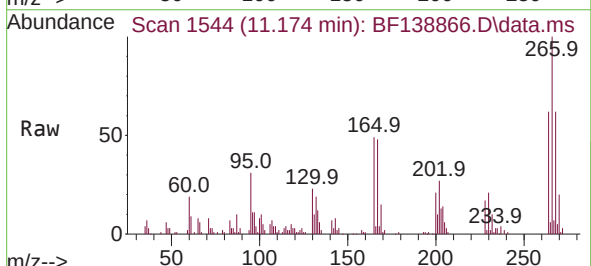
RT: 11.174 min Scan# 1544

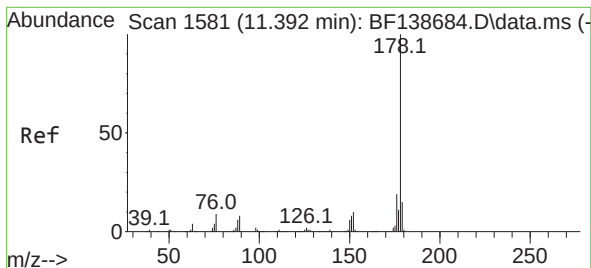
Delta R.T. -0.001 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

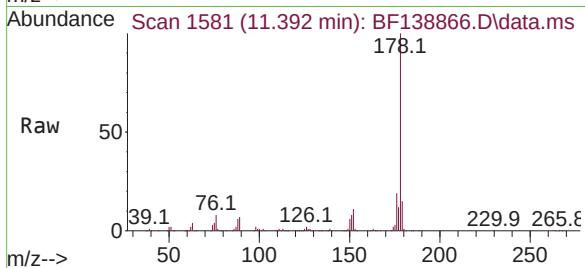
Tgt Ion:266 Resp: 70697
 Ion Ratio Lower Upper
 266 100
 268 61.9 49.2 73.8
 264 61.8 49.8 74.6





#71
Phenanthrene
Concen: 47.830 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

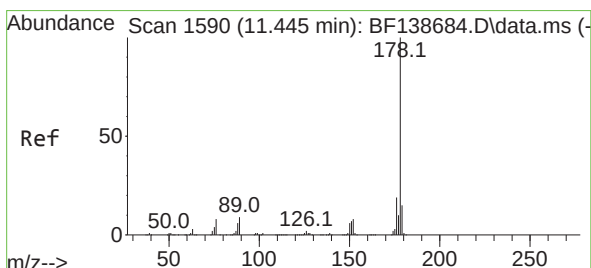
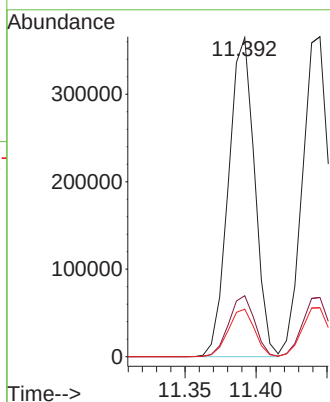
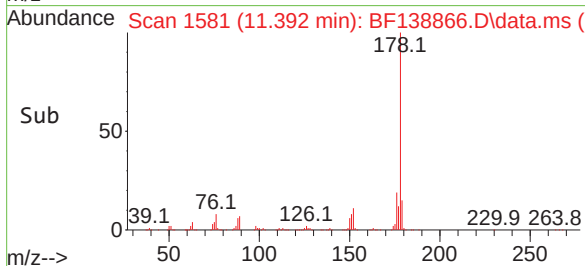
Instrument :
BNA_F
ClientSampleId :
PB162463BS



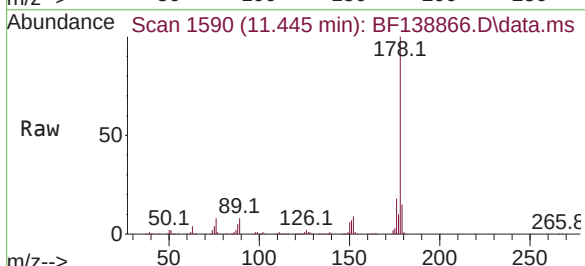
Tgt Ion:178 Resp: 466670
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.9 12.2 18.2

Manual Integrations
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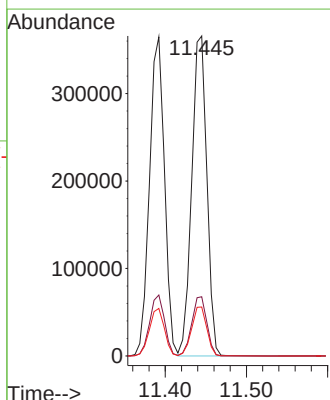
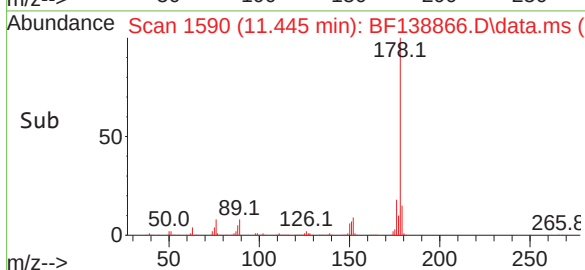
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

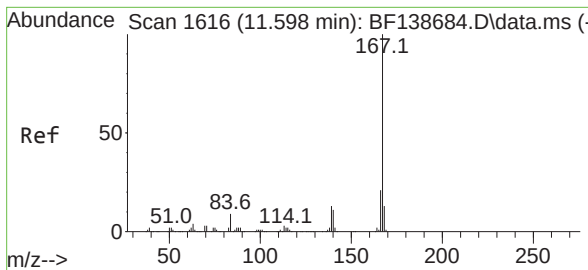


#72
Anthracene
Concen: 49.340 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:178 Resp: 474255
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.3 12.4 18.6





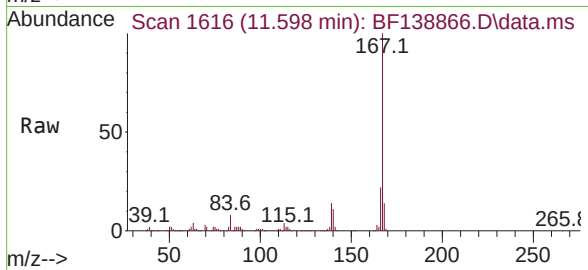
#73
 Carbazole
 Concen: 46.770 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. -0.000 min
 Lab File: BF138866.D
 Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

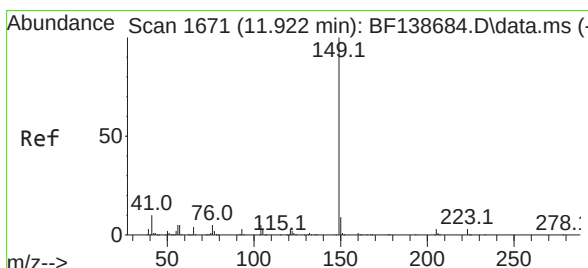
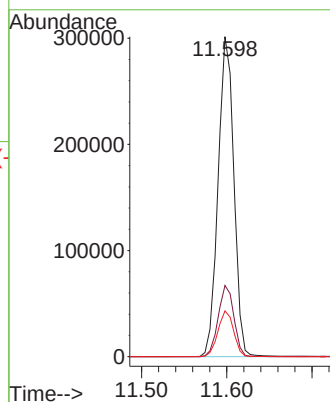
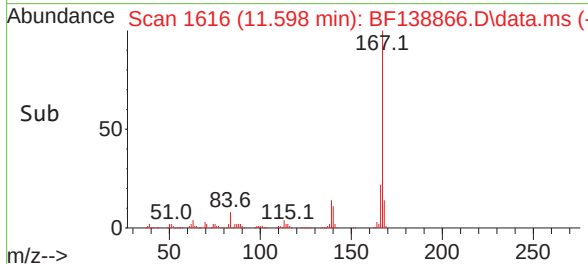


Tgt Ion:167 Resp: 387849
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 14.3 10.6 16.0

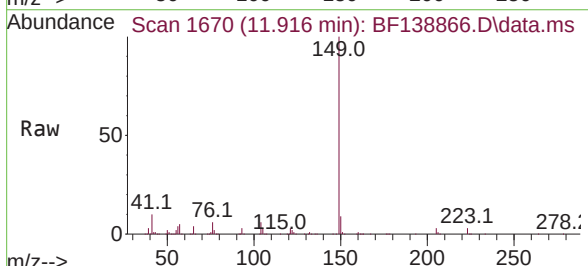
Manual Integrations

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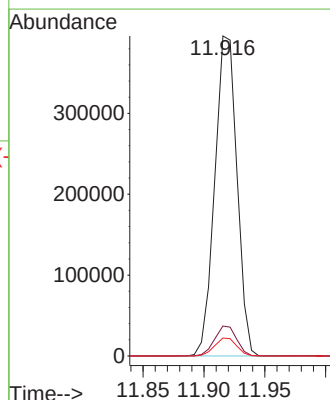
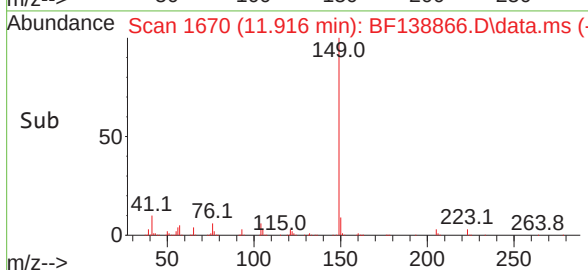
Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

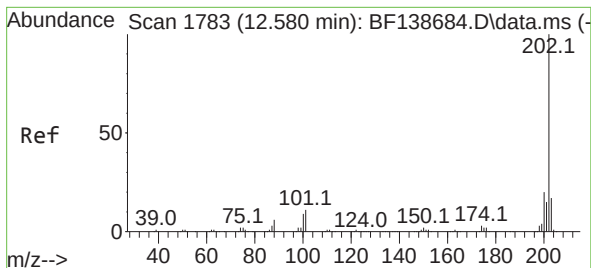


#74
 Di-n-butylphthalate
 Concen: 53.926 ng
 RT: 11.916 min Scan# 1670
 Delta R.T. -0.006 min
 Lab File: BF138866.D
 Acq: 08 Aug 2024 15:22



Tgt Ion:149 Resp: 502716
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.6 4.1 6.1





#75

Fluoranthene

Concen: 47.362 ng

RT: 12.574 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

Tgt Ion:202 Resp: 43140

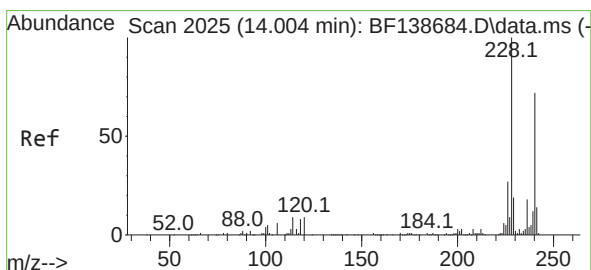
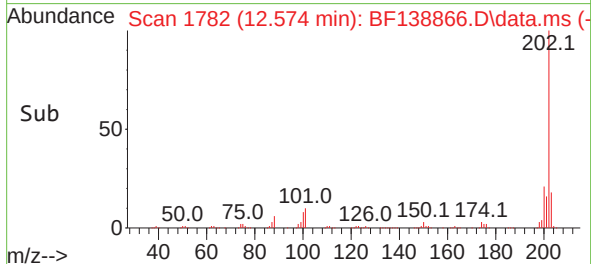
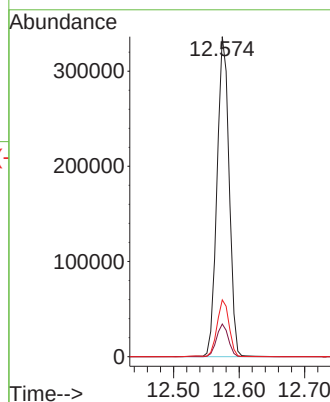
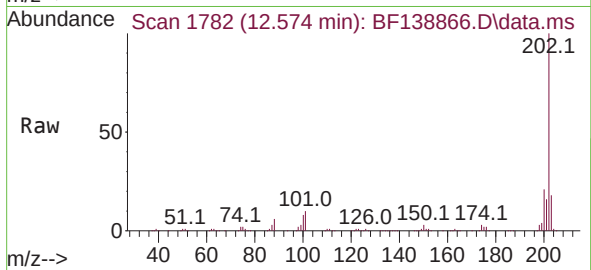
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.2
203	17.8	0.0	37.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

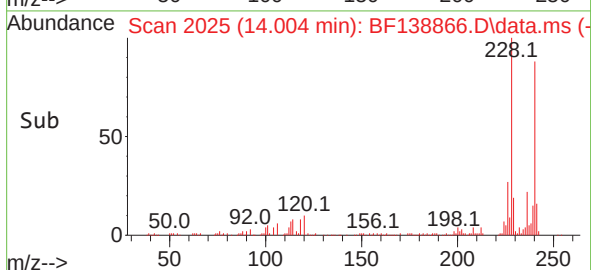
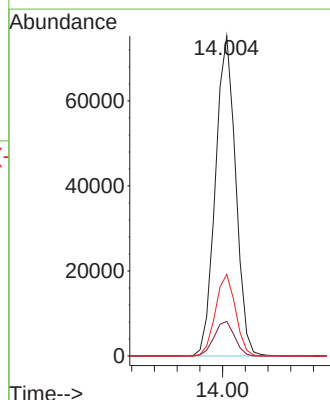
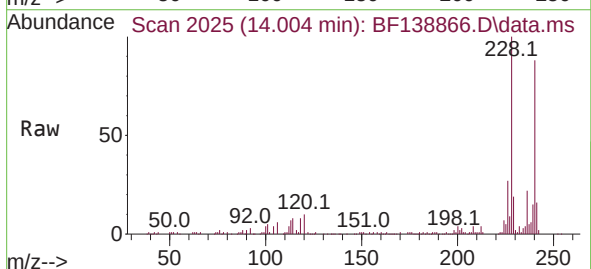
Delta R.T. -0.000 min

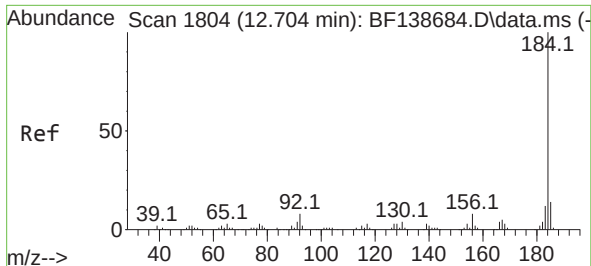
Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Tgt Ion:240 Resp: 93153

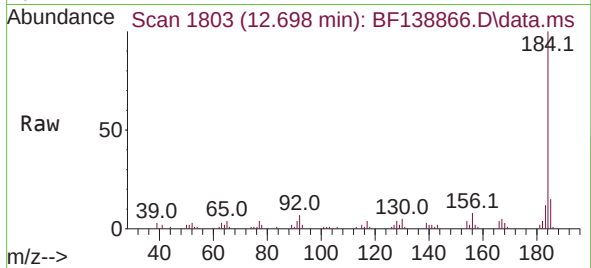
Ion	Ratio	Lower	Upper
240	100		
120	10.8	10.2	15.4
236	25.5	19.8	29.8





#77
Benzidine
Concen: 15.497 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

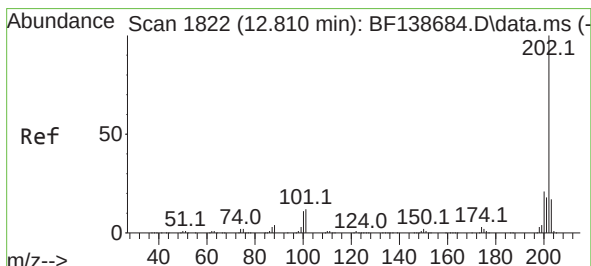
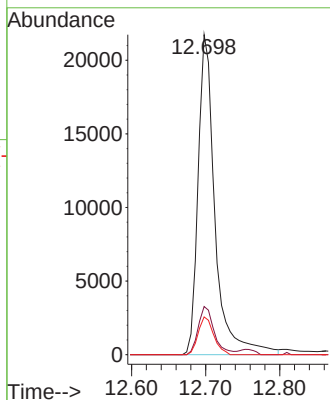
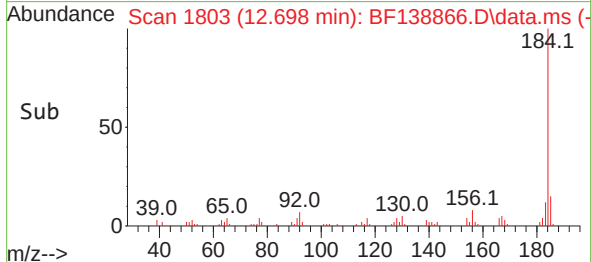
Instrument :
BNA_F
ClientSampleId :
PB162463BS



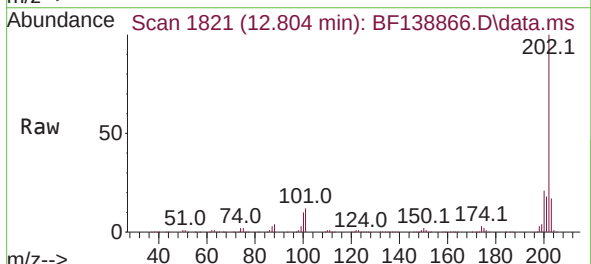
Tgt Ion:184 Resp: 34528
Ion Ratio Lower Upper
184 100
185 15.1 11.1 16.7
183 11.8 9.6 14.4

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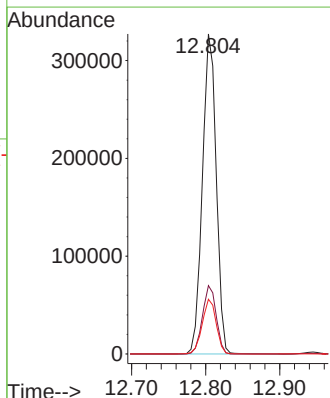
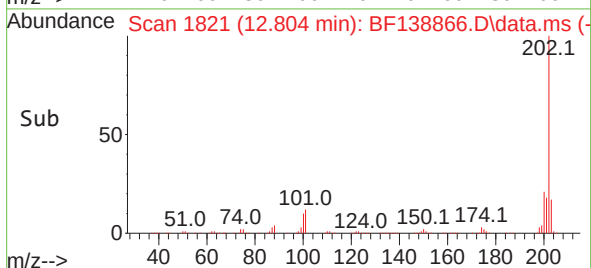
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

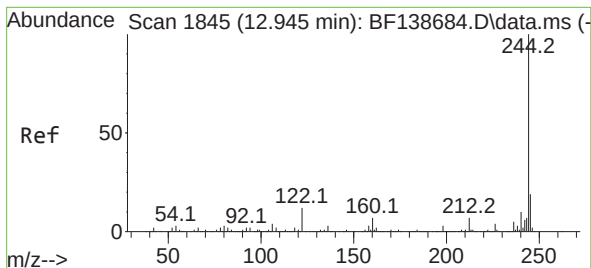


#78
Pyrene
Concen: 48.325 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:202 Resp: 423839
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.1 13.8 20.6





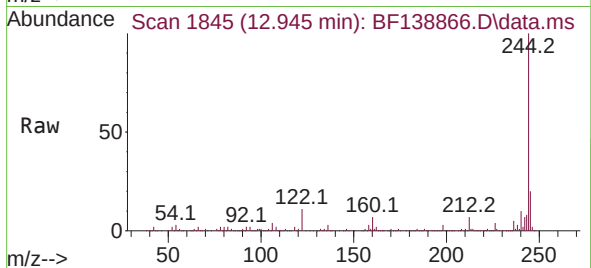
#79
 Terphenyl-d14
 Concen: 110.401 ng
 RT: 12.945 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: BF138866.D
 Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

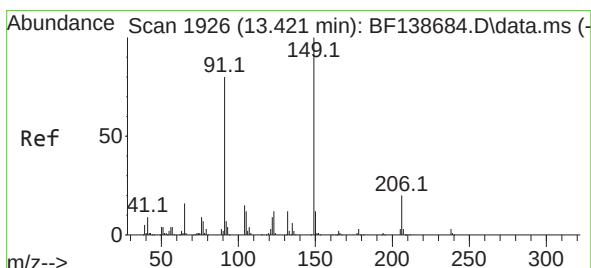
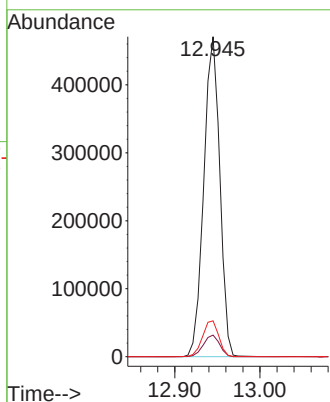
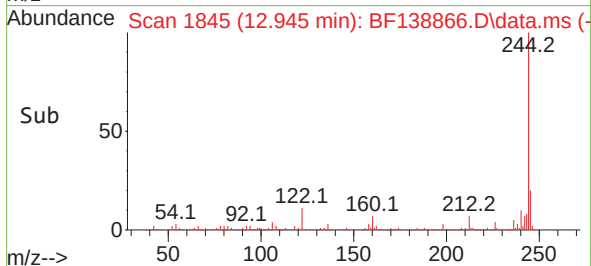


Tgt Ion:244 Resp: 614252
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.2 9.6 14.4

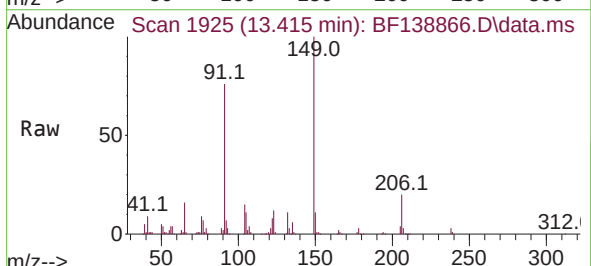
Manual Integrations

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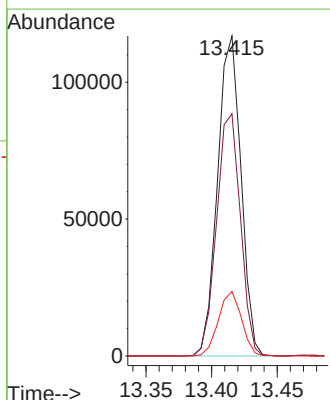
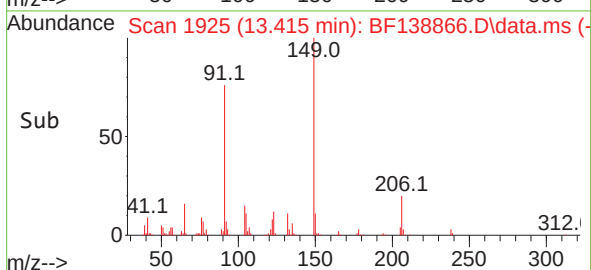
Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

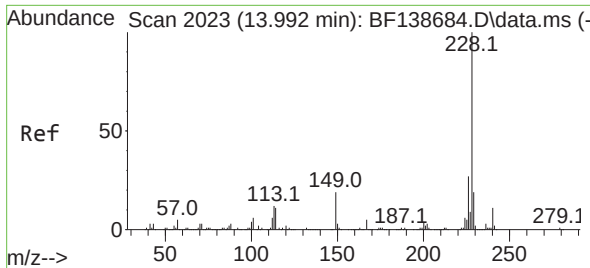


#80
 Butylbenzylphthalate
 Concen: 51.689 ng
 RT: 13.415 min Scan# 1925
 Delta R.T. -0.006 min
 Lab File: BF138866.D
 Acq: 08 Aug 2024 15:22



Tgt Ion:149 Resp: 145173
 Ion Ratio Lower Upper
 149 100
 91 75.7 63.7 95.5
 206 20.1 16.2 24.2





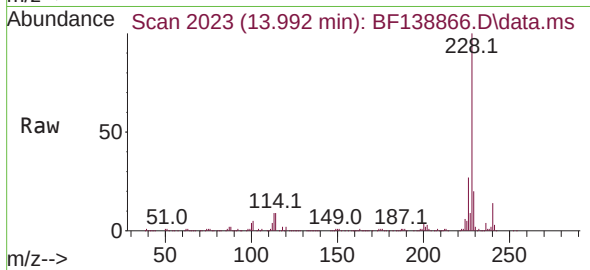
#81
Benzo(a)anthracene
Concen: 46.963 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

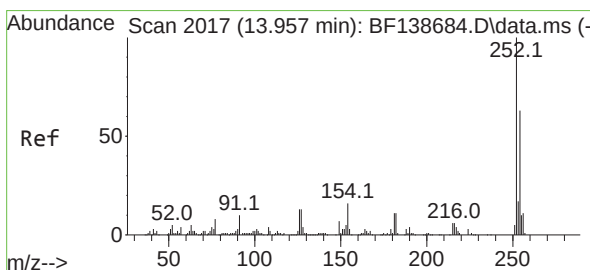
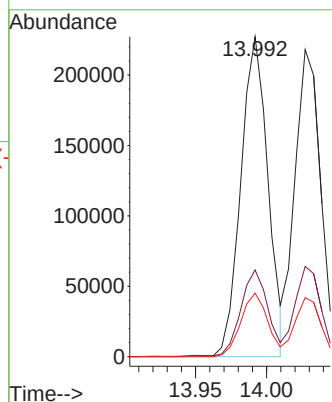
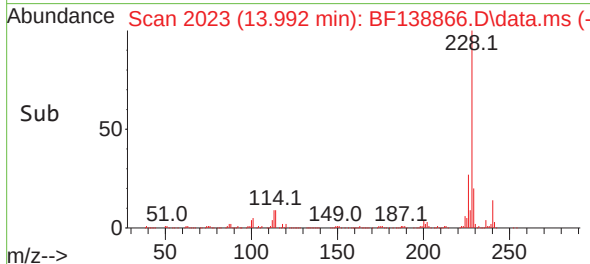


Tgt Ion:228 Resp: 30125
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 19.9 15.4 23.0

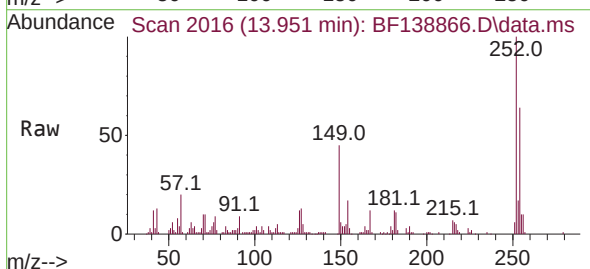
Manual Integrations

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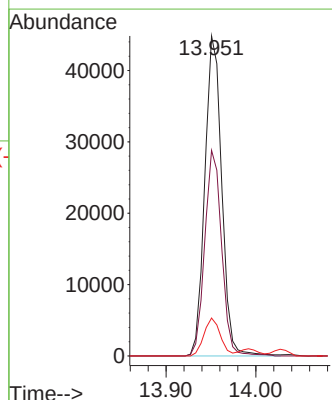
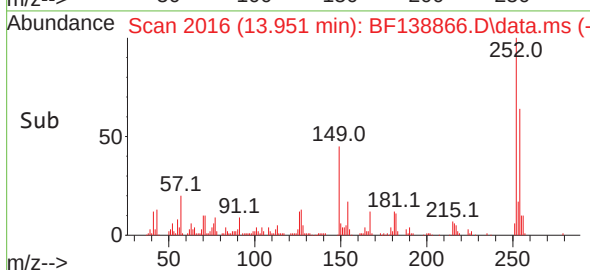
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

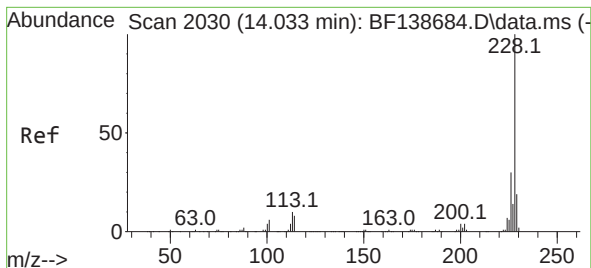


#82
3,3'-Dichlorobenzidine
Concen: 35.795 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:252 Resp: 58759
Ion Ratio Lower Upper
252 100
254 64.2 50.8 76.2
126 11.8 10.2 15.2





#83

Chrysene

Concen: 47.388 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

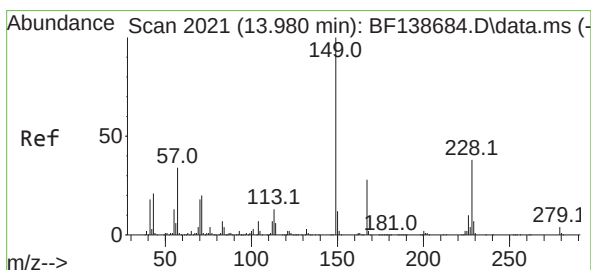
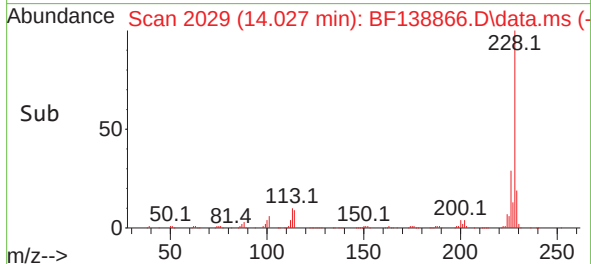
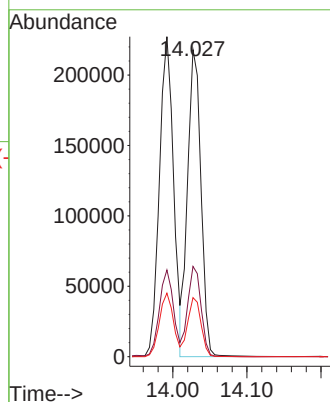
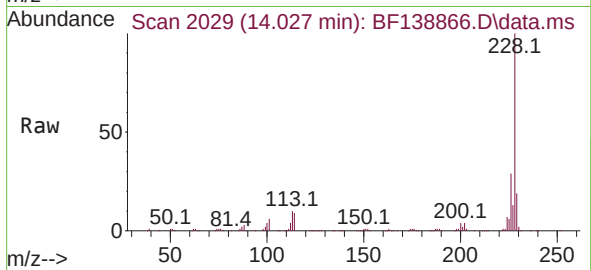
Tgt Ion:	228	Resp:	27424
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.7	35.5
229	19.2	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.974 ng

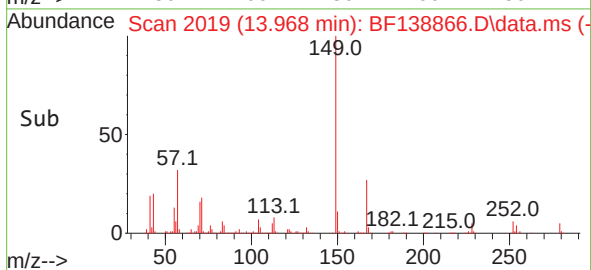
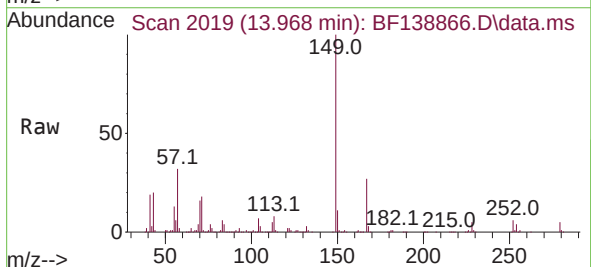
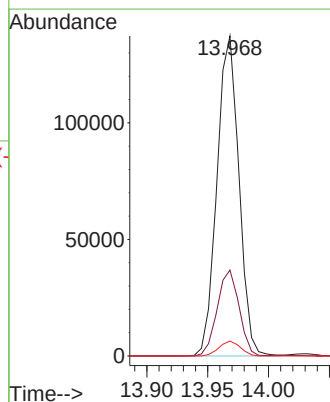
RT: 13.968 min Scan# 2019

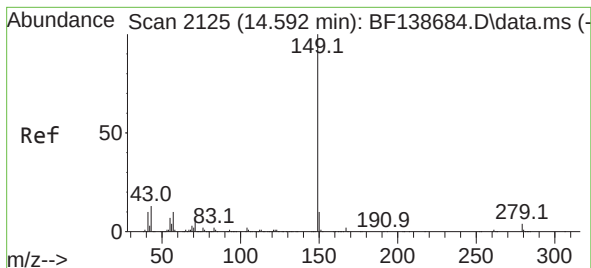
Delta R.T. -0.012 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Tgt Ion:	149	Resp:	172629
Ion Ratio	Lower	Upper	
149	100		
167	26.8	22.2	33.4
279	4.7	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 37.193 ng

RT: 14.580 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

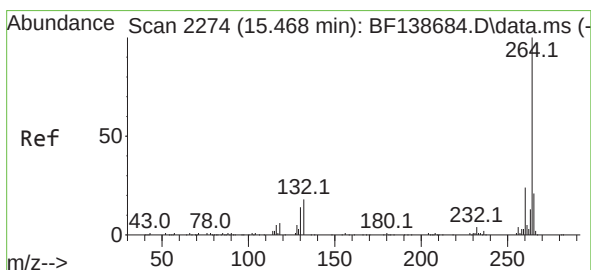
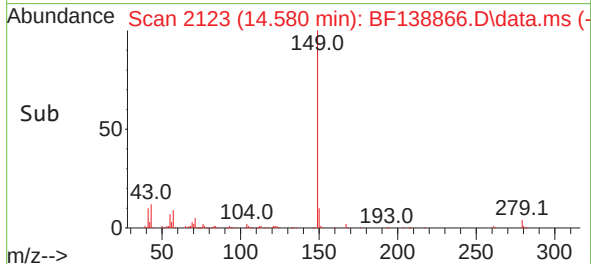
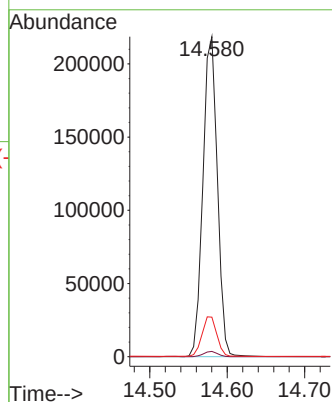
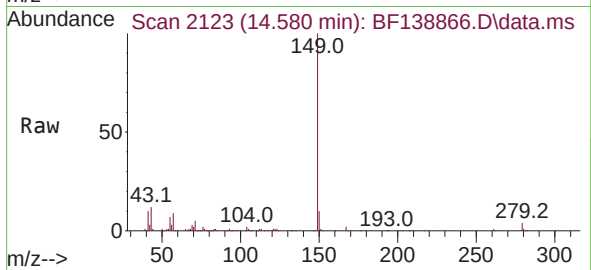
PB162463BS

Tgt Ion:149 Resp: 283000
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.4 2.0
 43 12.7 10.4 15.6

Manual Integrations

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#86

Perylene-d12

Concen: 20.000 ng

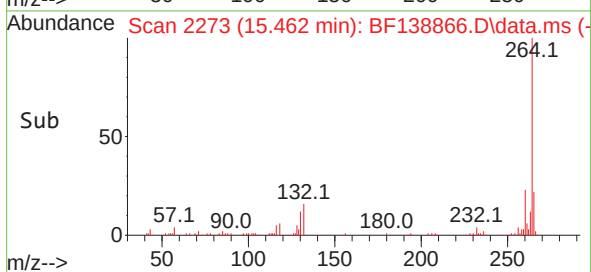
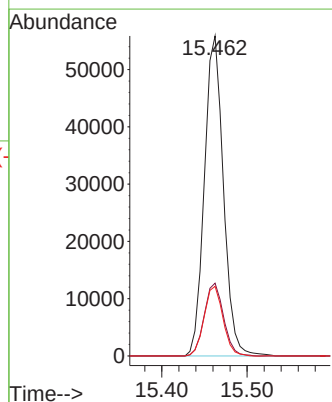
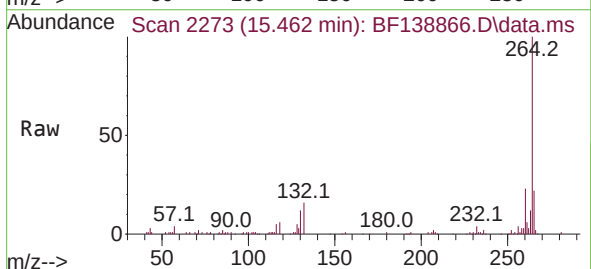
RT: 15.462 min Scan# 2273

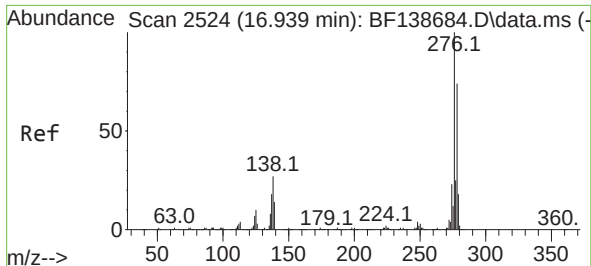
Delta R.T. -0.006 min

Lab File: BF138866.D

Acq: 08 Aug 2024 15:22

Tgt Ion:264 Resp: 86793
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.0 28.6
 265 21.8 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 43.813 ng
RT: 16.939 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

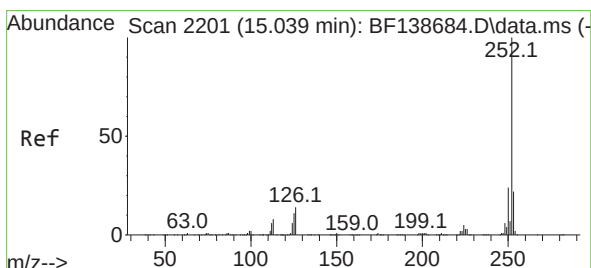
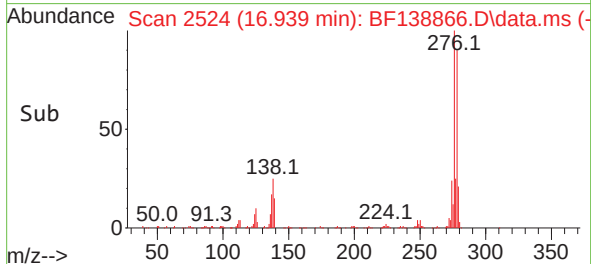
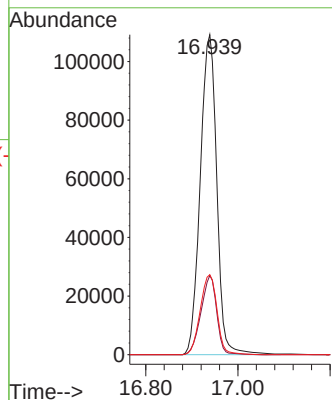
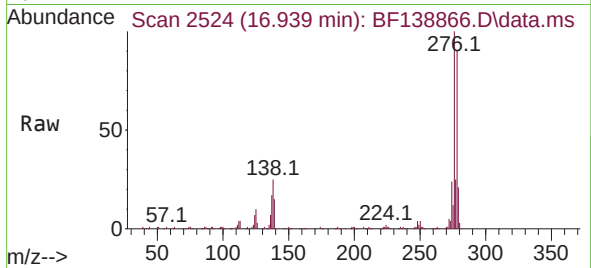
PB162463BS

Tgt Ion:276 Resp: 272510
Ion Ratio Lower Upper
276 100
138 23.4 21.8 32.8
277 25.4 20.6 30.8

Manual Integrations

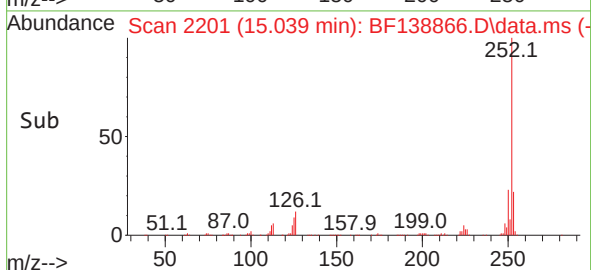
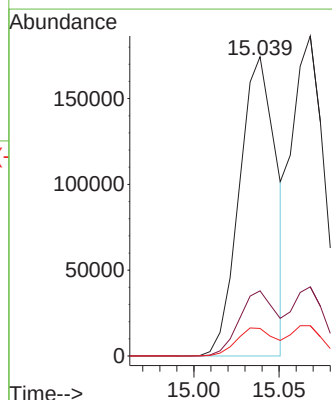
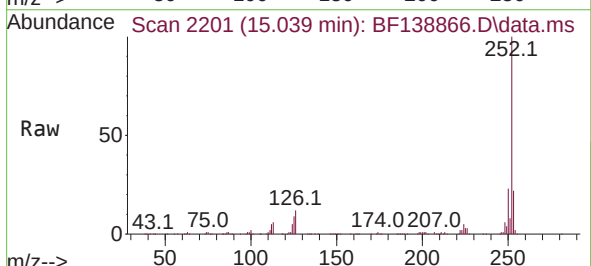
APPROVED

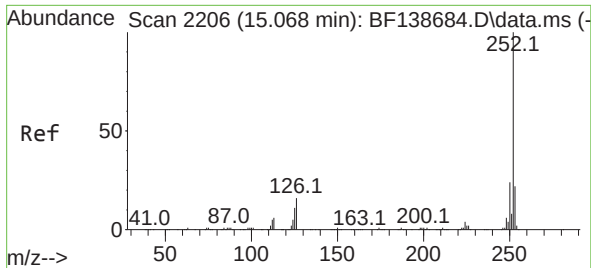
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#88
Benzo(b)fluoranthene
Concen: 48.420 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:252 Resp: 260514
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.2 8.9 13.3





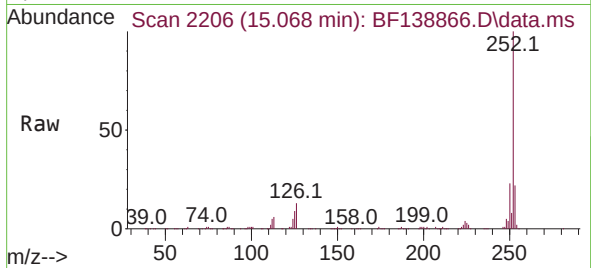
#89
Benzo(k)fluoranthene
Concen: 53.388 ng
RT: 15.068 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

PB162463BS

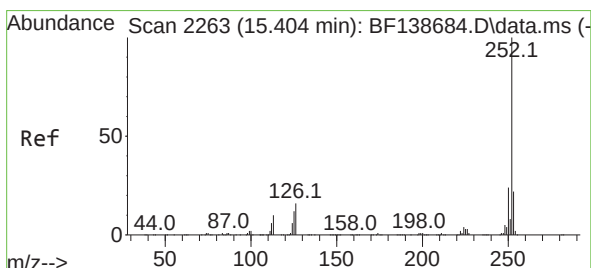
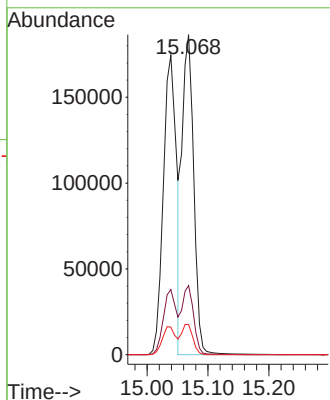
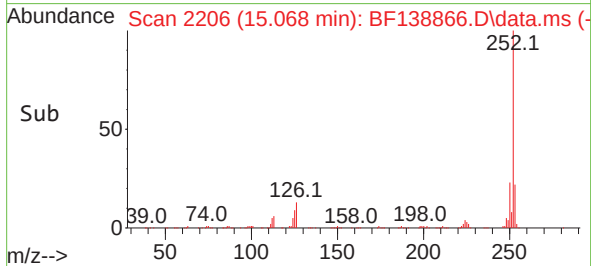


Tgt Ion:252 Resp: 248699
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 9.4 8.6 13.0

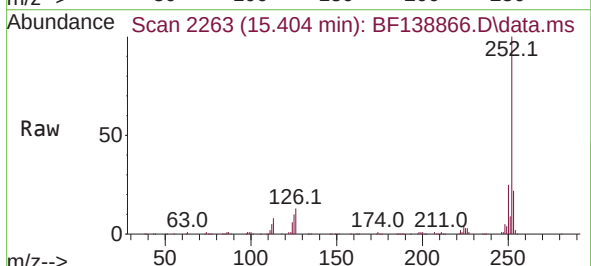
Manual Integrations

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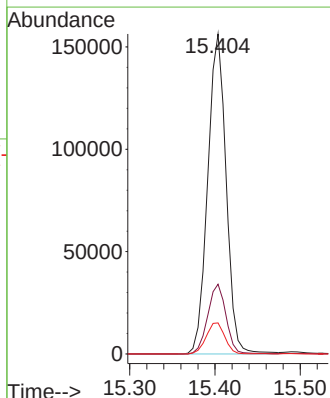
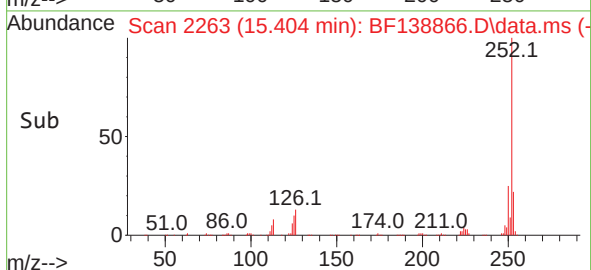
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

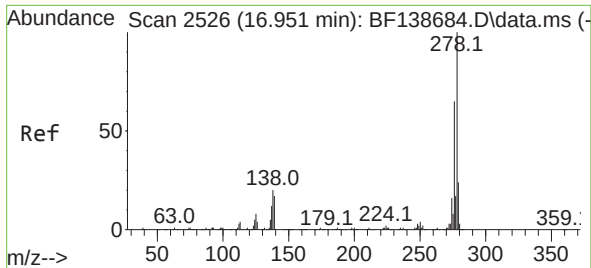


#90
Benzo(a)pyrene
Concen: 51.860 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22



Tgt Ion:252 Resp: 234700
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 9.7 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 43.165 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Instrument :

BNA_F

ClientSampleId :

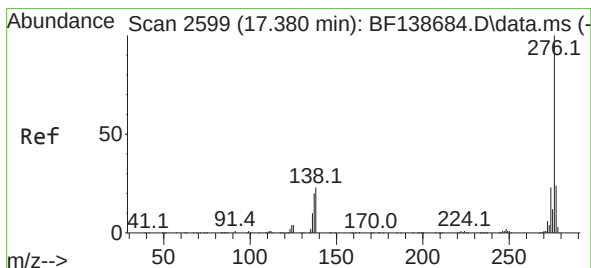
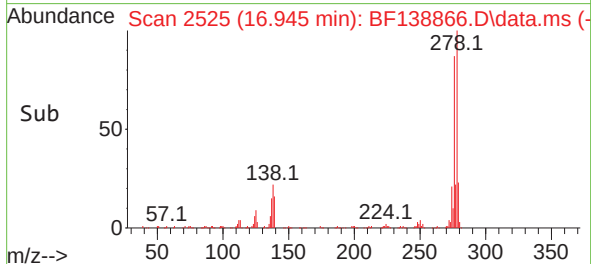
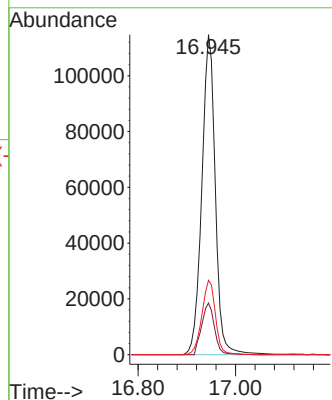
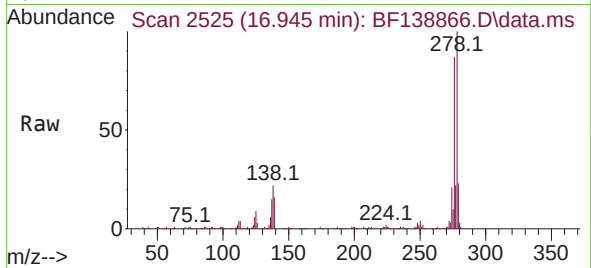
PB162463BS

Tgt Ion:278 Resp: 22038
Ion Ratio Lower Upper
278 100
139 16.1 14.0 21.0
279 23.2 19.0 28.4

Manual Integrations

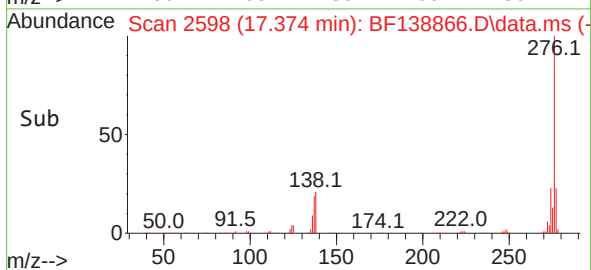
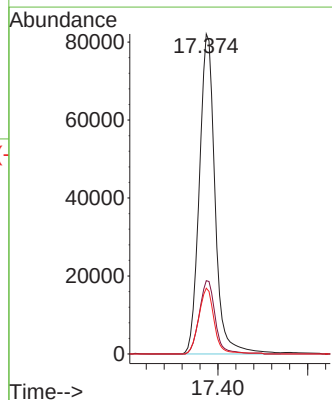
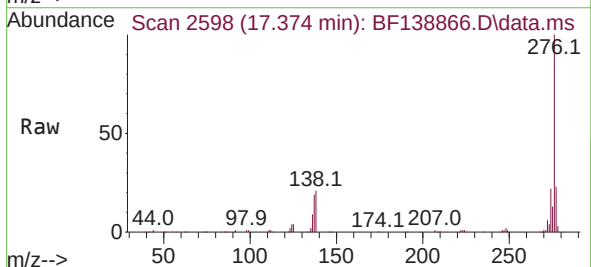
APPROVED

Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#92
Benzo(g,h,i)perylene
Concen: 37.679 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138866.D
Acq: 08 Aug 2024 15:22

Tgt Ion:276 Resp: 199632
Ion Ratio Lower Upper
276 100
277 22.9 19.0 28.4
138 20.6 18.5 27.7



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	923-K1-WS-080124MS	SDG No.:	P3440
Lab Sample ID:	P3440-02MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 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
BF138838.D	1	08/02/24 09:23	08/07/24 13:04	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	19.5	U	1.70	5.50	ug/L
100-52-7	Benzaldehyde	4.40		4.40	11.0	ug/L
95-48-7	2-Methylphenol	38.2		1.20	5.50	ug/L
98-86-2	Acetophenone	52.5		1.20	5.50	ug/L
65794-96-9	3+4-Methylphenols	34.9		1.30	11.0	ug/L
98-95-3	Nitrobenzene	52.4		1.40	5.50	ug/L
120-83-2	2,4-Dichlorophenol	54.4		0.97	5.50	ug/L
91-20-3	Naphthalene	50.6		1.10	5.50	ug/L
87-68-3	Hexachlorobutadiene	47.1		1.40	5.50	ug/L
91-57-6	2-Methylnaphthalene	54.0		1.20	5.50	ug/L
88-06-2	2,4,6-Trichlorophenol	54.5		0.98	5.50	ug/L
95-95-4	2,4,5-Trichlorophenol	53.4		1.10	5.50	ug/L
208-96-8	Acenaphthylene	59.3		1.10	5.50	ug/L
83-32-9	Acenaphthene	54.3		0.89	5.50	ug/L
132-64-9	Dibenzofuran	58.0		1.00	5.50	ug/L
86-73-7	Fluorene	57.0		1.10	5.50	ug/L
118-74-1	Hexachlorobenzene	61.3		1.30	5.50	ug/L
87-86-5	Pentachlorophenol	87.6		2.00	11.0	ug/L
85-01-8	Phenanthrene	59.9		0.98	5.50	ug/L
86-74-8	Carbazole	55.7		1.30	5.50	ug/L
84-74-2	Di-n-butylphthalate	65.5		1.60	5.50	ug/L
206-44-0	Fluoranthene	55.1		1.40	5.50	ug/L
129-00-0	Pyrene	51.8		1.20	5.50	ug/L
56-55-3	Benzo(a)anthracene	59.8		1.00	5.50	ug/L
218-01-9	Chrysene	57.5		0.95	5.50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	59.4		2.10	5.50	ug/L
205-99-2	Benzo(b)fluoranthene	59.9		1.30	5.50	ug/L
207-08-9	Benzo(k)fluoranthene	56.0		1.30	5.50	ug/L
50-32-8	Benzo(a)pyrene	61.4		1.80	5.50	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	923-K1-WS-080124MS	SDG No.:	P3440
Lab Sample ID:	P3440-02MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 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
BF138838.D	1	08/02/24 09:23	08/07/24 13:04	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	52.1		1.10	5.50	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.9		1.30	5.50	ug/L
191-24-2	Benzo(g,h,i)perylene	44.7		1.30	5.50	ug/L
123-91-1	1,4-Dioxane	19.0		1.40	5.50	ug/L
90-12-0	1-Methylnaphthalene	51.4		0.95	5.50	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.0		15 (10) - 110 (139)	43%	SPK: 150
13127-88-3	Phenol-d6	40.3		15 (10) - 110 (134)	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		15 (32) - 110 (145)	95%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (36) - 130 (145)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	44400	6.839			
1146-65-2	Naphthalene-d8	177000	8.122			
15067-26-2	Acenaphthene-d10	94600	9.875			
1517-22-2	Phenanthrene-d10	144000	11.363			
1719-03-5	Chrysene-d12	77800	13.998			
1520-96-3	Perylene-d12	88600	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 : BF138838.D
 Acq On : 07 Aug 2024 13:04
 Operator : RC/JU
 Sample : P3440-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 923-K1-WS-080124MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/08/2024

Quant Time: Aug 07 13:34:25 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	44396	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	176593	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	94605	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	144429	20.000	ng	0.00
76) Chrysene-d12	13.998	240	77825	20.000	ng	0.00
86) Perylene-d12	15.457	264	88601	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	186889	64.981	ng	0.00
7) Phenol-d6	6.481	99	155467	40.262	ng	0.00
23) Nitrobenzene-d5	7.410	82	344244	95.307	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	110732	142.891	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	607714	96.516	ng	0.00
79) Terphenyl-d14	12.939	244	495314	106.558	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.651	88	21766	17.286	ng	96
3) Pyridine	3.410	79	54100	17.737	ng	93
4) n-Nitrosodimethylamine	3.357	42	42418	23.350	ng	89
6) Aniline	6.504	93	108741	31.577	ng	98
8) 2-Chlorophenol	6.628	128	126595	41.837	ng	97
9) Benzaldehyde	6.398	77	6875	2.970	ng	91
10) Phenol	6.498	94	66295	16.306	ng	# 46
11) bis(2-Chloroethyl)ether	6.575	93	143175	45.764	ng	99
12) 1,3-Dichlorobenzene	6.781	146	133858	39.519	ng	100
13) 1,4-Dichlorobenzene	6.857	146	137763	40.302	ng	99
14) 1,2-Dichlorobenzene	7.010	146	133942	41.928	ng	99
15) Benzyl Alcohol	6.987	79	101752	36.561	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.110	45	237315	44.076	ng	73
17) 2-Methylphenol	7.104	107	86918	34.786	ng	# 84
18) Hexachloroethane	7.345	117	49374	38.372	ng	95
19) n-Nitroso-di-n-propyla...	7.257	70	120116	51.503	ng	99
20) 3+4-Methylphenols	7.257	107	101819	31.760	ng	# 91
22) Acetophenone	7.251	105	206625	47.787	ng	96
24) Nitrobenzene	7.428	77	175122	47.647	ng	99
25) Isophorone	7.663	82	313184	50.779	ng	98
26) 2-Nitrophenol	7.739	139	79890	50.522	ng	95
27) 2,4-Dimethylphenol	7.781	122	93381	49.357	ng	99
28) bis(2-Chloroethoxy)met...	7.869	93	183614	48.887	ng	99
29) 2,4-Dichlorophenol	7.986	162	120258	49.466	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	128133	45.671	ng	99
31) Naphthalene	8.145	128	427999	46.045	ng	99
32) Benzoic acid	7.898	122	16423m	11.043	ng	
33) 4-Chloroaniline	8.198	127	100883	32.332	ng	99
34) Hexachlorobutadiene	8.251	225	72898	42.898	ng	99
35) Caprolactam	8.581	113	6768	9.330	ng	90
36) 4-Chloro-3-methylphenol	8.681	107	126133	45.397	ng	99
37) 2-Methylnaphthalene	8.833	142	288403	49.128	ng	99
38) 1-Methylnaphthalene	8.933	142	268808	46.729	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	125691	47.827	ng	99
41) Hexachlorocyclopentadiene	8.980	237	77967	109.293	ng	98
43) 2,4,6-Trichlorophenol	9.116	196	79506	49.619	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138838.D
 Acq On : 07 Aug 2024 13:04
 Operator : RC/JU
 Sample : P3440-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 923-K1-WS-080124MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/08/2024

Quant Time: Aug 07 13:34:25 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	85057	48.557	ng	98
46) 1,1'-Biphenyl	9.298	154	346771	46.802	ng	99
47) 2-Chloronaphthalene	9.322	162	272151	49.387	ng	99
48) 2-Nitroaniline	9.428	65	95994	51.385	ng	99
49) Acenaphthylene	9.739	152	421846	53.975	ng	99
50) Dimethylphthalate	9.604	163	324822	53.697	ng	100
51) 2,6-Dinitrotoluene	9.669	165	70051	51.312	ng	97
52) Acenaphthene	9.910	154	259741	49.439	ng	99
53) 3-Nitroaniline	9.839	138	44570	31.581	ng	99
54) 2,4-Dinitrophenol	9.957	184	56478	89.870	ng	91
55) Dibenzofuran	10.080	168	391268	52.758	ng	99
56) 4-Nitrophenol	10.022	139	18598	21.914	ng	# 82
57) 2,4-Dinitrotoluene	10.075	165	90298	51.843	ng	# 88
58) Fluorene	10.427	166	306309	51.865	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	65117	48.624	ng	95
60) Diethylphthalate	10.298	149	316829	55.238	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	153604	52.883	ng	99
62) 4-Nitroaniline	10.451	138	59083	44.053	ng	89
63) Azobenzene	10.575	77	320652	50.406	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	47552	53.966	ng	99
66) n-Nitrosodiphenylamine	10.539	169	250835	55.562	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	84323	53.925	ng	98
68) Hexachlorobenzene	10.974	284	90088	55.798	ng	95
69) Atrazine	11.063	200	68713	58.993	ng	99
70) Pentachlorophenol	11.174	266	58032	79.742	ng	98
71) Phenanthrene	11.386	178	405199	54.485	ng	99
72) Anthracene	11.439	178	412595	56.316	ng	100
73) Carbazole	11.598	167	320223	50.661	ng	99
74) Di-n-butylphthalate	11.916	149	423606	59.615	ng	99
75) Fluoranthene	12.574	202	348181	50.150	ng	98
77) Benzidine	12.698	184	18621	10.004	ng	98
78) Pyrene	12.804	202	345423	47.141	ng	99
80) Butylbenzylphthalate	13.410	149	134308	57.239	ng	99
81) Benzo(a)anthracene	13.986	228	291444	54.382	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	59532	43.408	ng	99
83) Chrysene	14.027	228	252887	52.303	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	185800	54.075	ng	97
85) Di-n-octyl phthalate	14.580	149	318290	50.068	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	300968	47.401	ng	96
88) Benzo(b)fluoranthene	15.033	252	299532	54.536	ng	98
89) Benzo(k)fluoranthene	15.062	252	242390	50.971	ng	99
90) Benzo(a)pyrene	15.398	252	257995	55.844	ng	99
91) Dibenzo(a,h)anthracene	16.945	278	241234	46.283	ng	97
92) Benzo(g,h,i)perylene	17.374	276	220118	40.698	ng	97

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

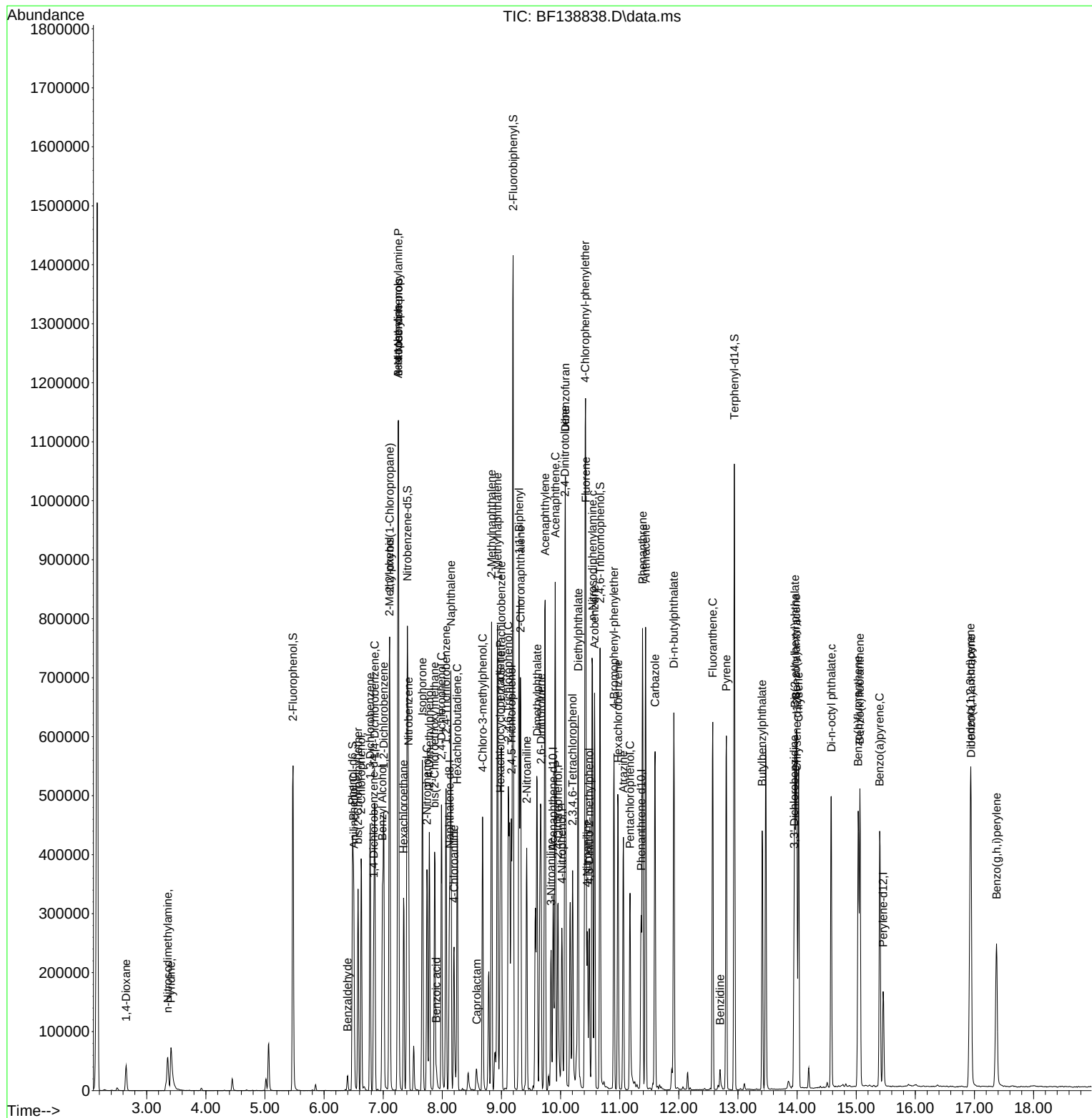
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
Data File : BF138838.D
Acq On : 07 Aug 2024 13:04
Operator : RC/JU
Sample : P3440-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

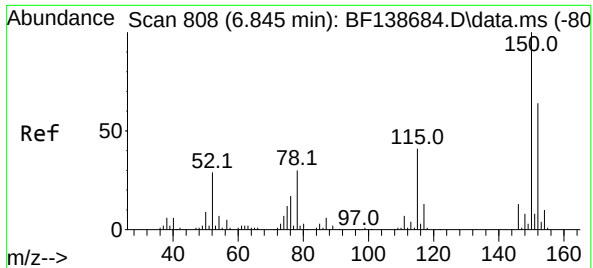
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

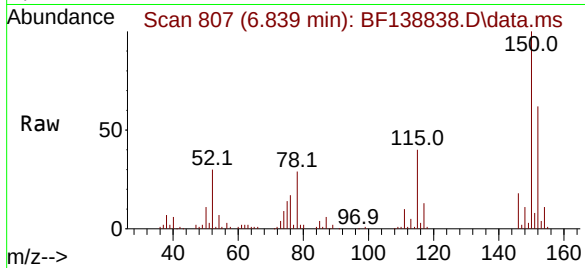
Quant Time: Aug 07 13:34:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

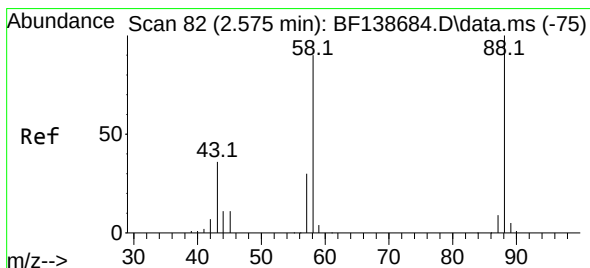
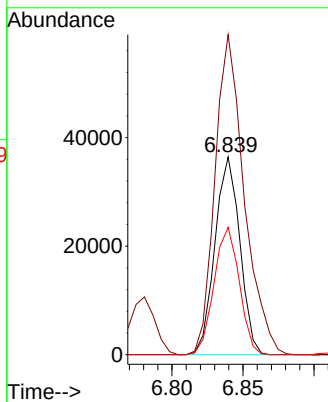
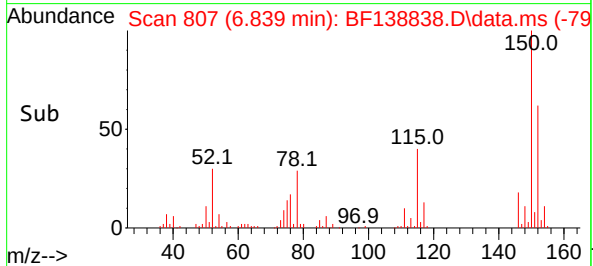
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:152 Resp: 44390
Ion Ratio Lower Upper
152 100
150 161.8 126.0 189.0
115 64.4 51.7 77.5

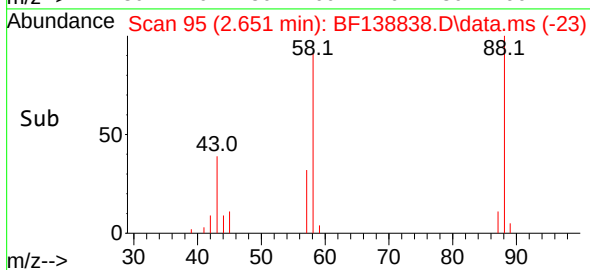
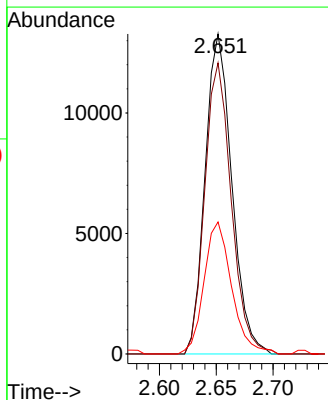
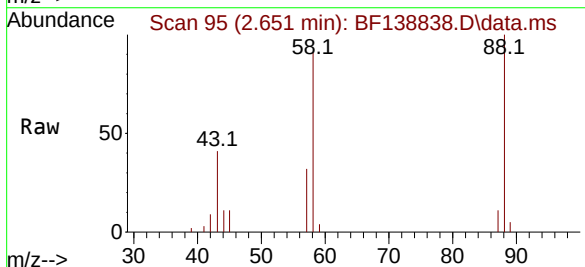
Manual Integrations
APPROVED

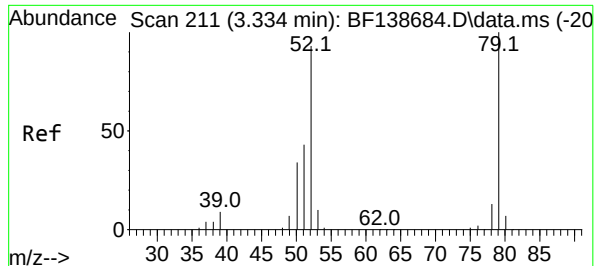
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#2
1,4-Dioxane
Concen: 17.286 ng
RT: 2.651 min Scan# 95
Delta R.T. 0.076 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

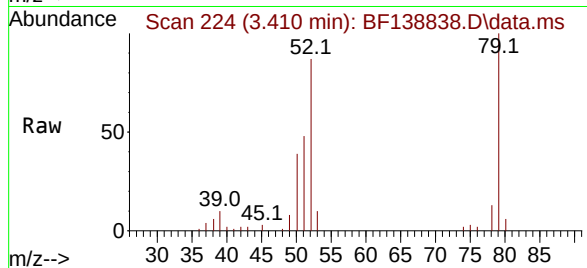
Tgt Ion: 88 Resp: 21766
Ion Ratio Lower Upper
88 100
58 90.1 71.6 107.4
43 42.6 28.7 43.1





#3
Pyridine
Concen: 17.737 ng
RT: 3.410 min Scan# 211
Delta R.T. 0.076 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

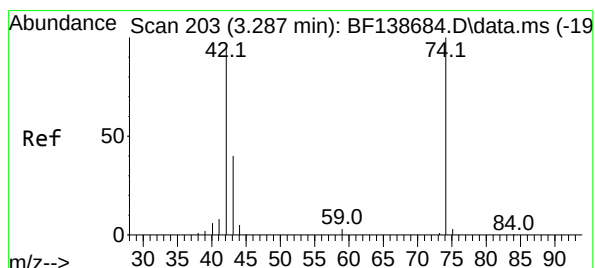
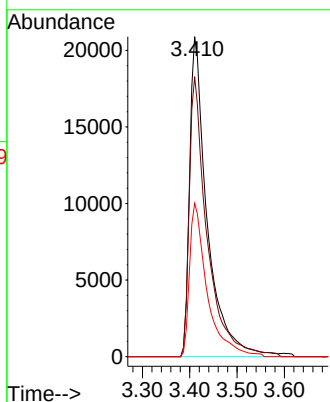
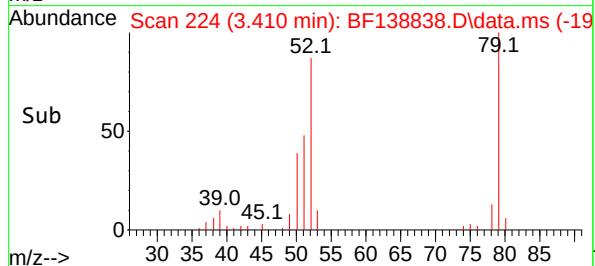
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion: 79 Resp: 54100
Ion Ratio Lower Upper
79 100
52 87.5 74.7 112.1
51 48.0 34.6 51.8

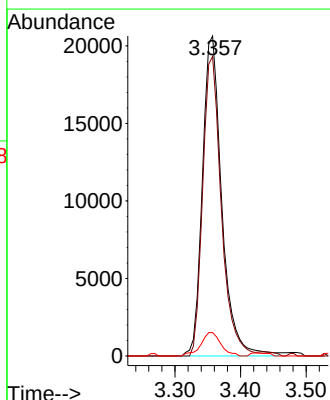
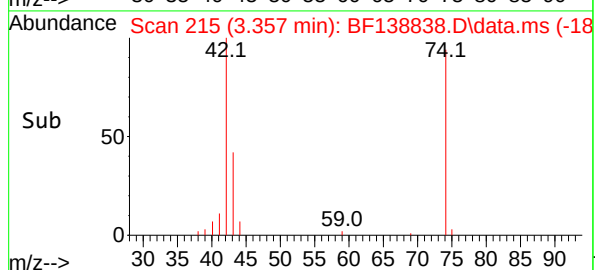
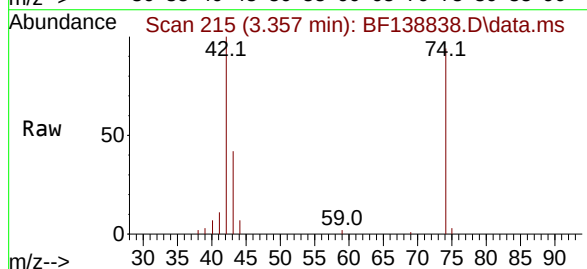
Manual Integrations
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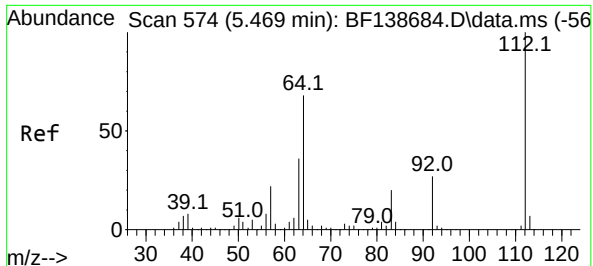
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#4
n-Nitrosodimethylamine
Concen: 23.350 ng
RT: 3.357 min Scan# 215
Delta R.T. 0.071 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

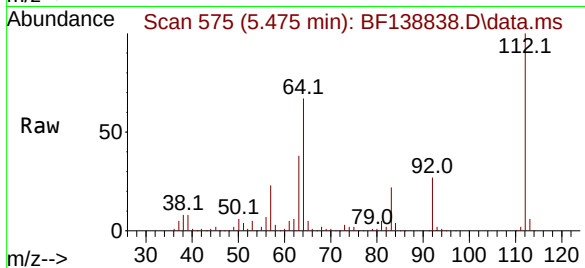
Tgt Ion: 42 Resp: 42418
Ion Ratio Lower Upper
42 100
74 93.6 84.2 126.4
44 7.3 4.9 7.3





#5
2-Fluorophenol
Concen: 64.981 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

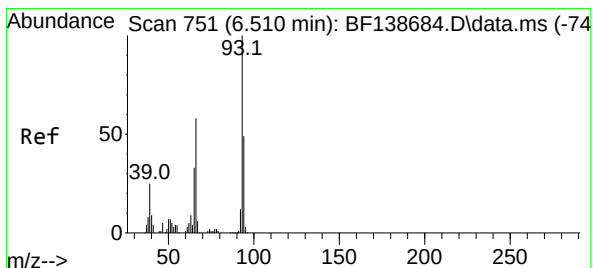
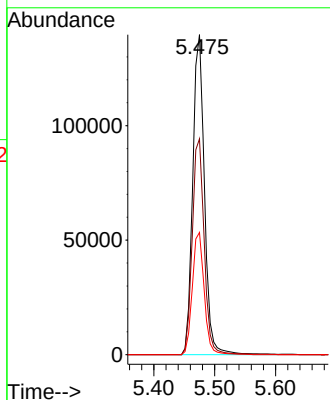
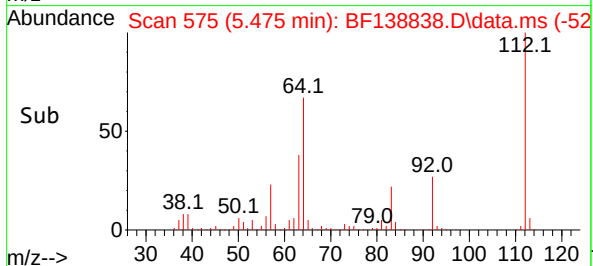
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion: 112 Resp: 186889
Ion Ratio Lower Upper
112 100
64 67.5 54.2 81.4
63 38.2 28.7 43.1

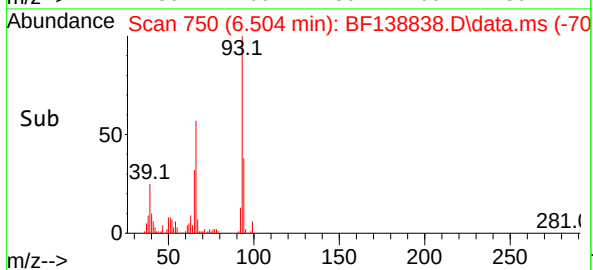
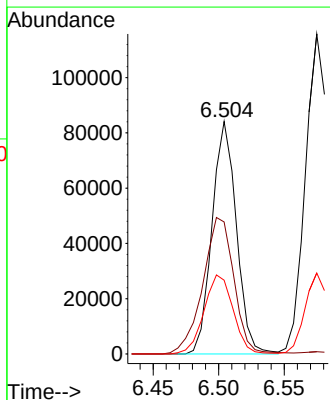
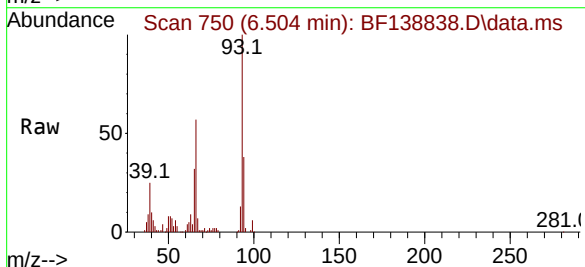
Manual Integrations
APPROVED

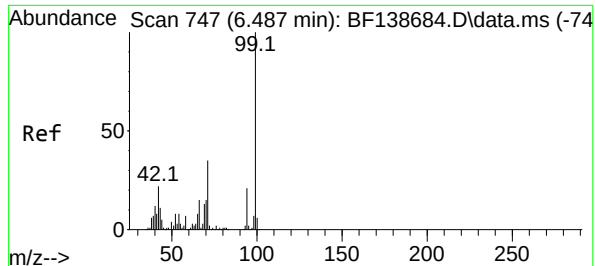
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#6
Aniline
Concen: 31.577 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

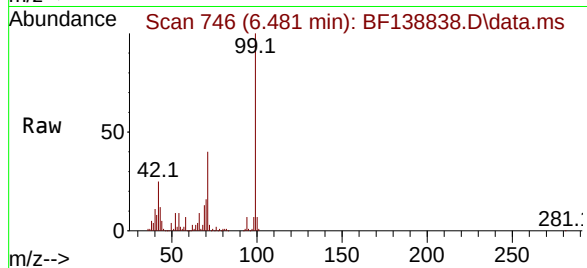
Tgt Ion: 93 Resp: 108741
Ion Ratio Lower Upper
93 100
66 56.8 46.9 70.3
65 31.8 26.5 39.7





#7
Phenol-d6
Concen: 40.262 ng
RT: 6.481 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

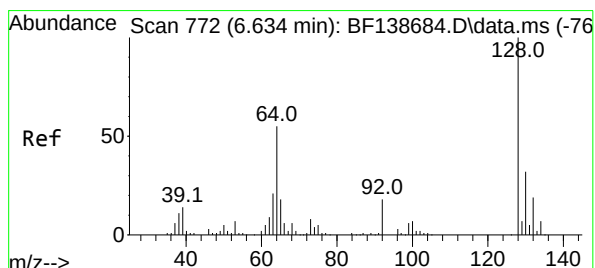
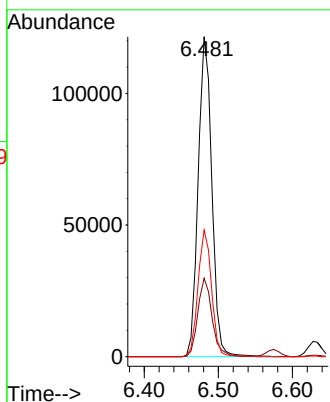
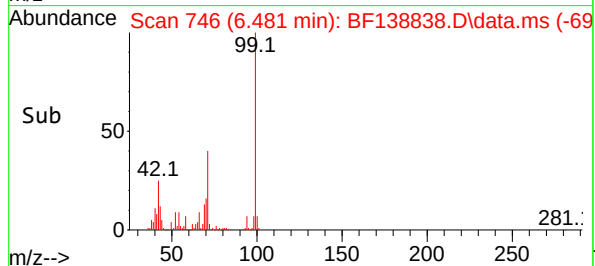
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



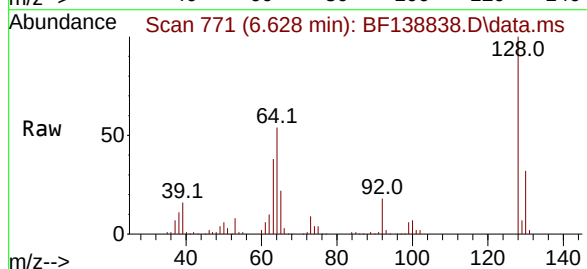
Tgt Ion: 99 Resp: 15546
Ion Ratio Lower Upper
99 100
42 24.5 17.4 26.0
71 39.6 28.1 42.1

Manual Integrations
APPROVED

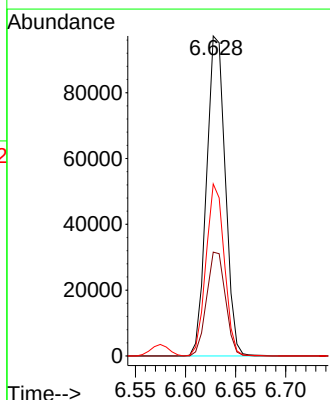
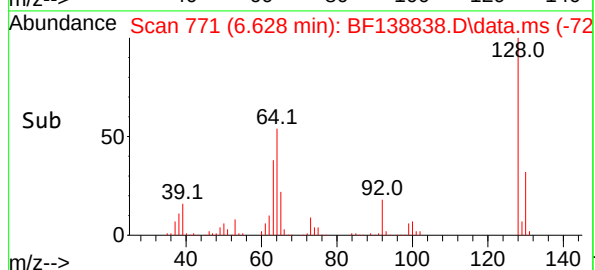
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

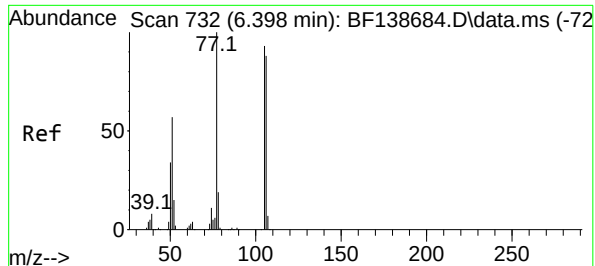


#8
2-Chlorophenol
Concen: 41.837 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04



Tgt Ion:128 Resp: 126595
Ion Ratio Lower Upper
128 100
130 32.5 12.0 52.0
64 53.8 36.3 76.3





#9

Benzaldehyde

Concen: 2.970 ng

RT: 6.398 min Scan# 732

Delta R.T. 0.000 min

Lab File: BF138838.D

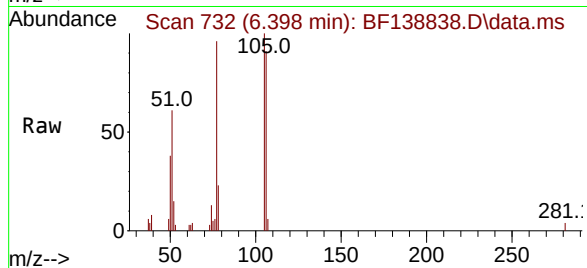
Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS



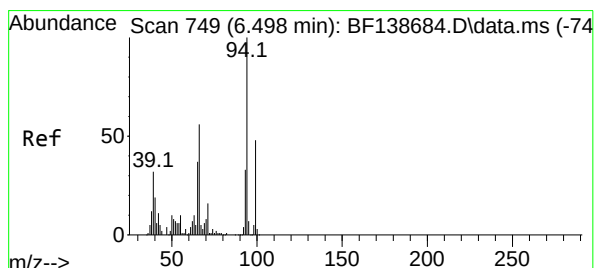
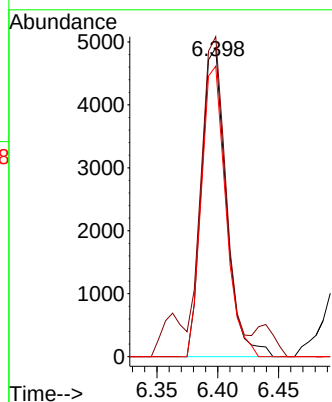
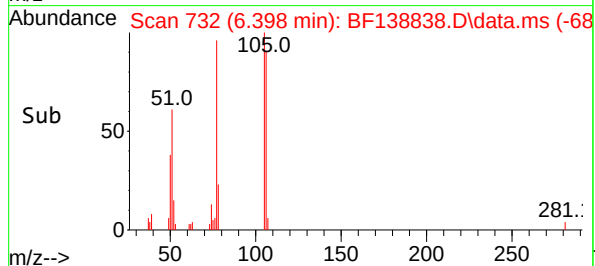
Tgt Ion:	77	Resp:	6875
Ion	Ratio	Lower	Upper
77	100		
105	103.6	72.9	112.9
106	94.1	68.4	108.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#10

Phenol

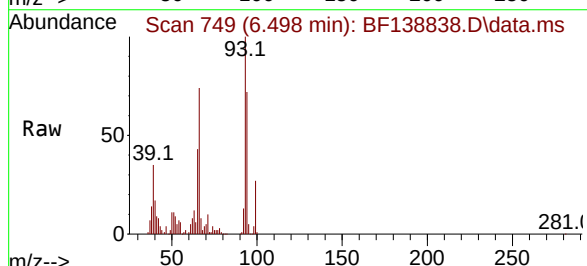
Concen: 16.306 ng

RT: 6.498 min Scan# 749

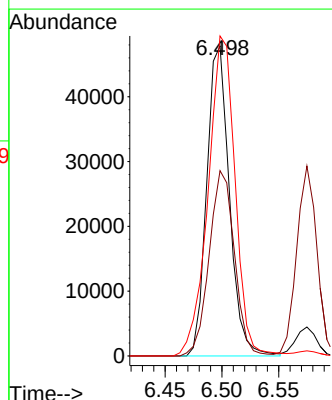
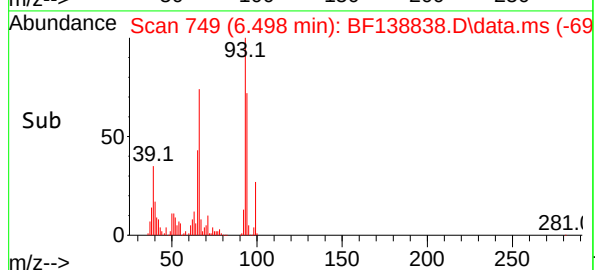
Delta R.T. -0.000 min

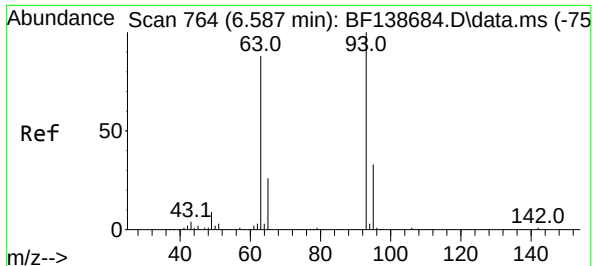
Lab File: BF138838.D

Acq: 07 Aug 2024 13:04



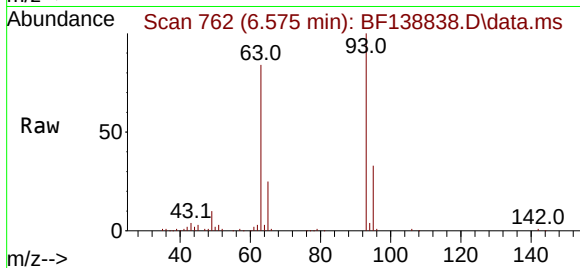
Tgt Ion:	94	Resp:	66295
Ion	Ratio	Lower	Upper
94	100		
65	59.8	16.9	56.9#
66	103.2	36.5	76.5#





#11
bis(2-Chloroethyl)ether
Concen: 45.764 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

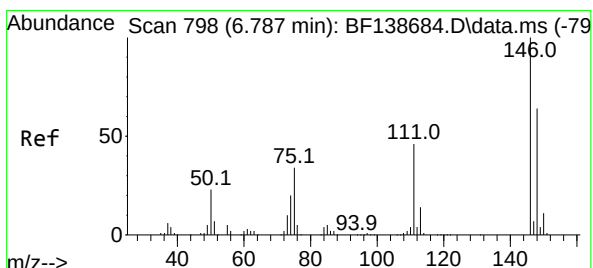
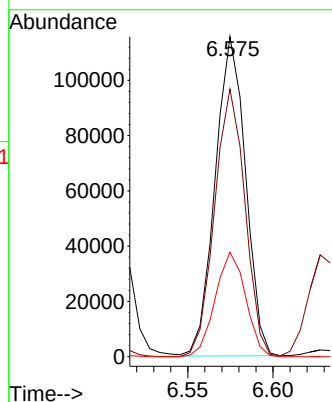
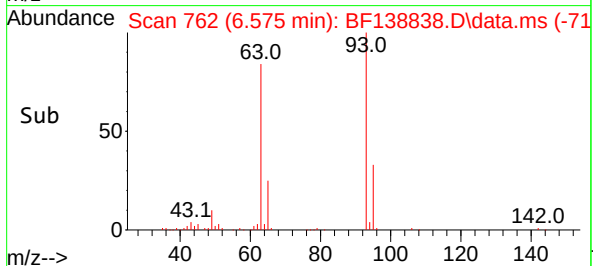
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion: 93 Resp: 14317
Ion Ratio Lower Upper
93 100
63 83.7 65.3 105.3
95 32.6 12.4 52.4

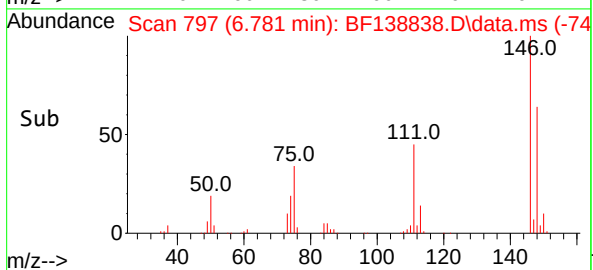
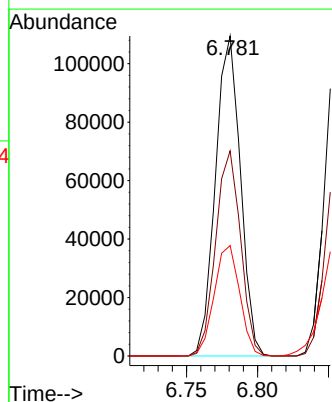
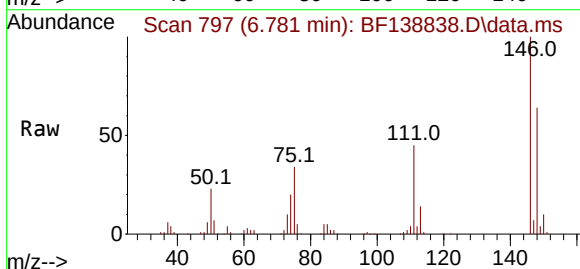
Manual Integrations
APPROVED

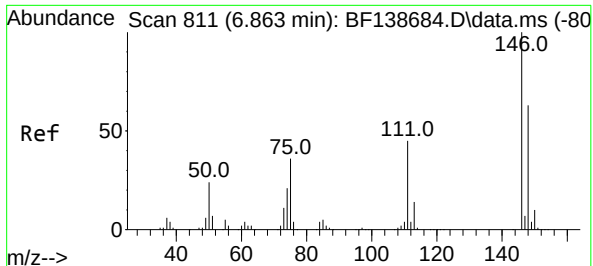
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#12
1,3-Dichlorobenzene
Concen: 39.519 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:146 Resp: 133858
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
75 34.5 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.302 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:146 Resp: 13776

Ion Ratio Lower Upper

146 100

148 62.0 50.2 75.2

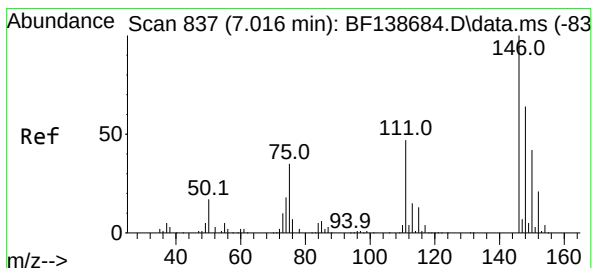
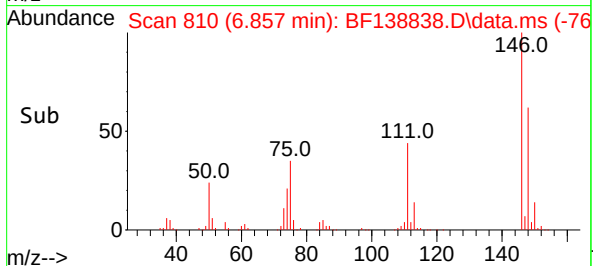
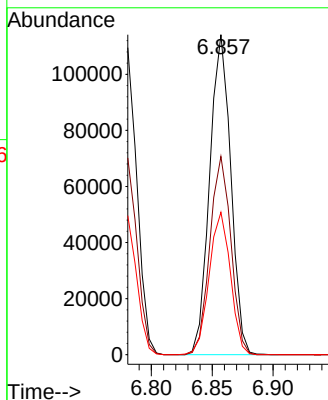
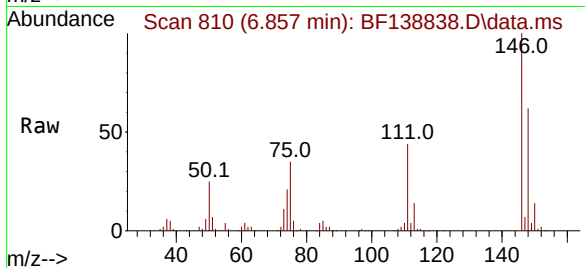
111 44.5 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#14

1,2-Dichlorobenzene

Concen: 41.928 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

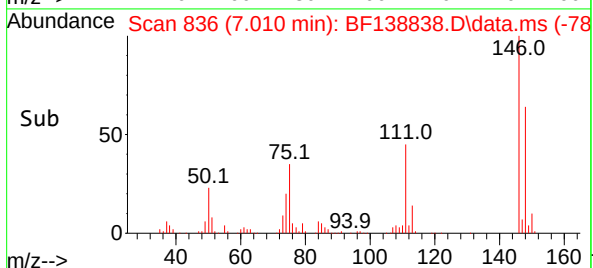
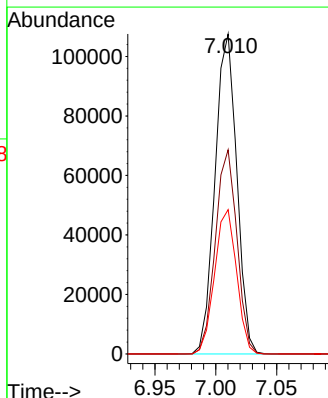
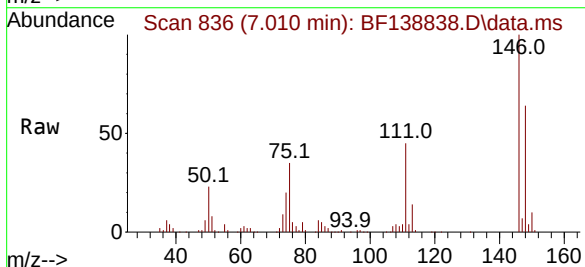
Tgt Ion:146 Resp: 133942

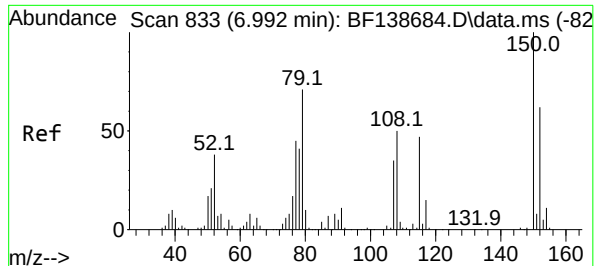
Ion Ratio Lower Upper

146 100

148 63.8 50.8 76.2

111 45.1 37.4 56.2





#15

Benzyl Alcohol

Concen: 36.561 ng

RT: 6.987 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion: 79 Resp: 10175

Ion Ratio Lower Upper

79 100

108 67.8 56.6 85.0

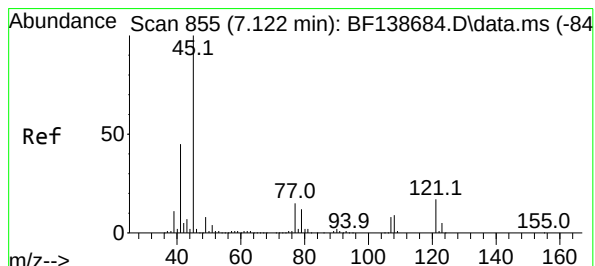
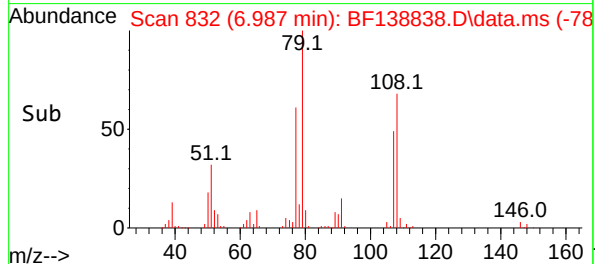
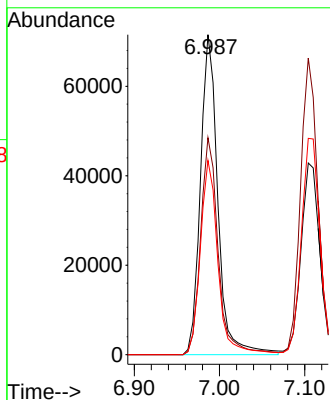
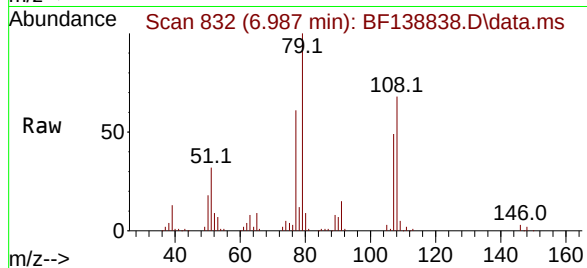
77 60.7 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.076 ng

RT: 7.110 min Scan# 853

Delta R.T. -0.012 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

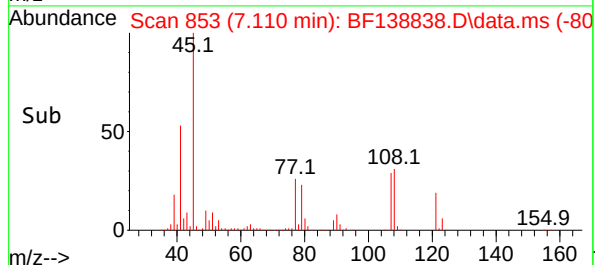
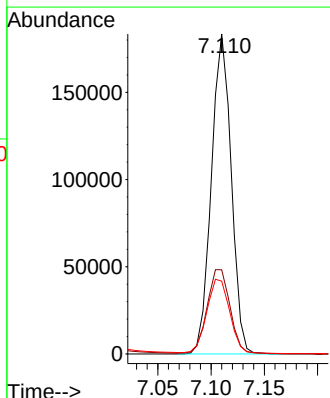
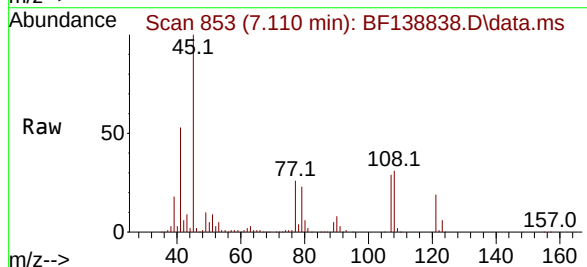
Tgt Ion: 45 Resp: 237315

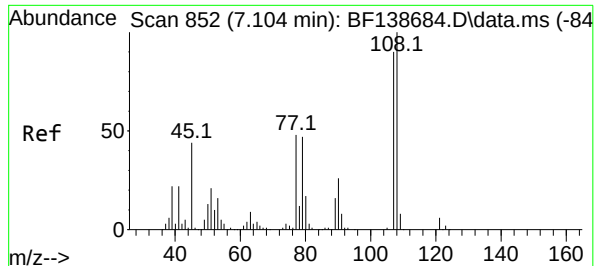
Ion Ratio Lower Upper

45 100

77 26.3 0.0 34.9

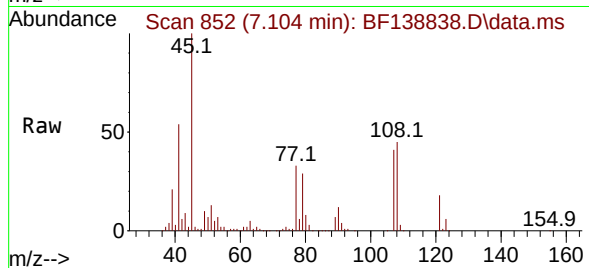
79 22.7 0.0 32.2





#17
2-Methylphenol
Concen: 34.786 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

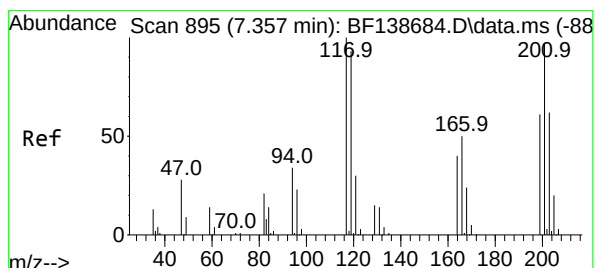
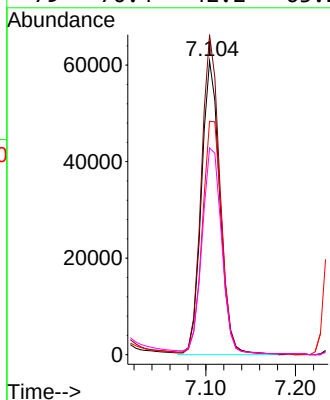
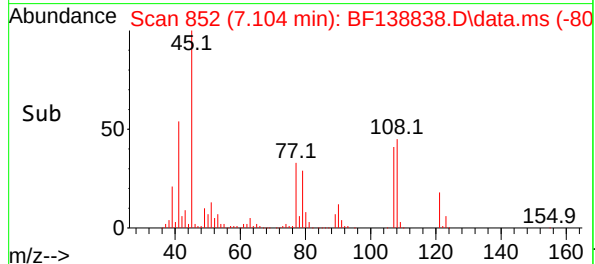
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:107 Resp: 86918
Ion Ratio Lower Upper
107 100
108 108.9 89.2 133.8
77 79.4 43.0 64.4
79 70.4 42.2 63.2

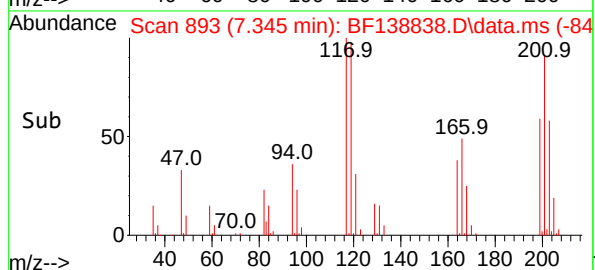
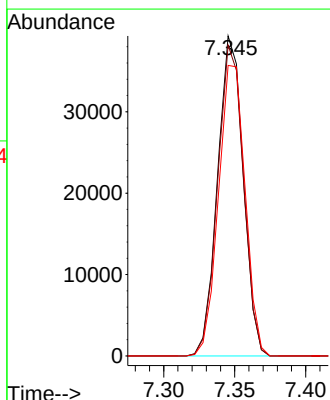
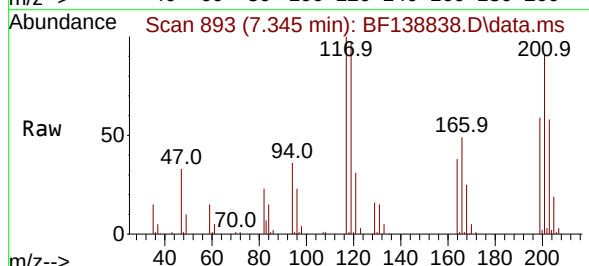
Manual Integrations
APPROVED

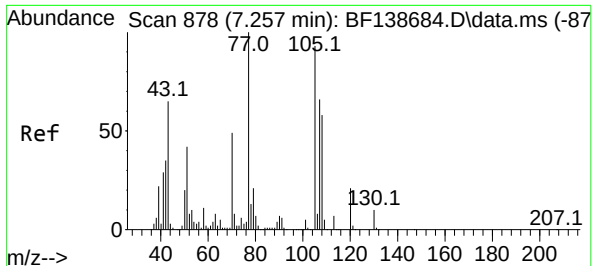
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#18
Hexachloroethane
Concen: 38.372 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:117 Resp: 49374
Ion Ratio Lower Upper
117 100
119 97.1 74.6 111.8
201 90.8 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 51.503 ng

RT: 7.257 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF138838.D

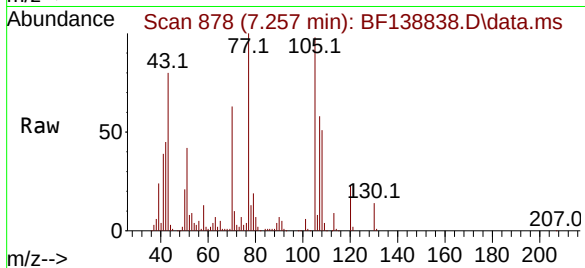
Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS



Tgt Ion: 70 Resp: 120110

Ion Ratio Lower Upper

70 100

42 70.9 57.4 86.0

101 9.7 7.5 11.3

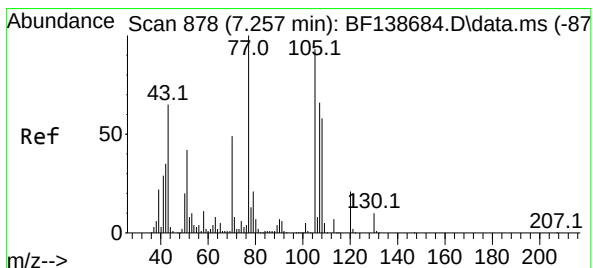
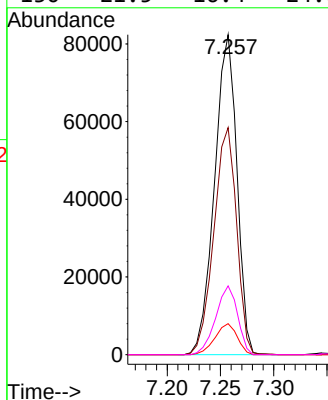
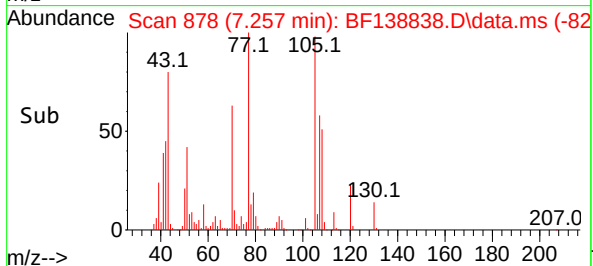
130 21.5 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#20

3+4-Methylphenols

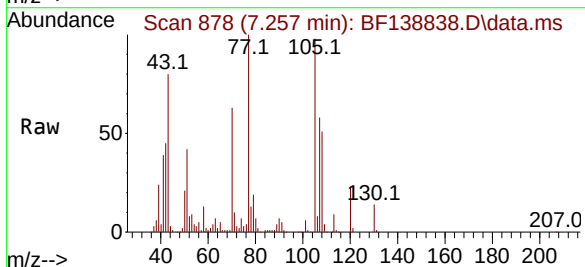
Concen: 31.760 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04



Tgt Ion:107 Resp: 101819

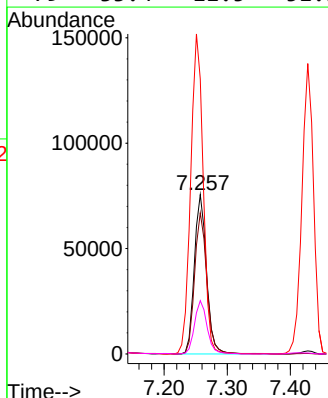
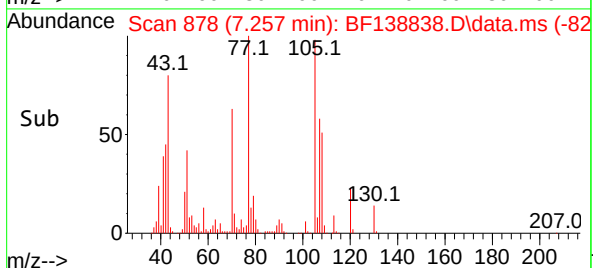
Ion Ratio Lower Upper

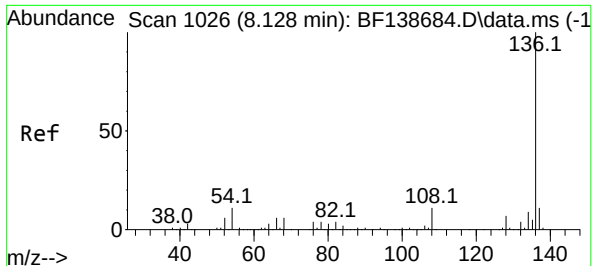
107 100

108 88.6 68.2 108.2

77 172.5 132.1 172.1#

79 33.4 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF138838.D

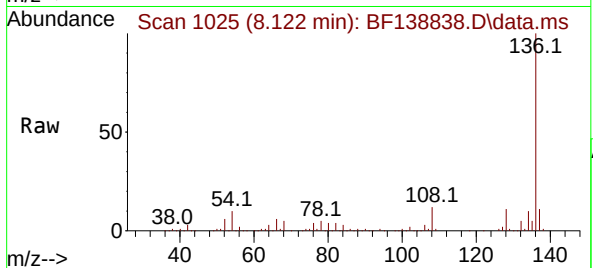
Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS



Tgt Ion:136 Resp: 17659

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.5 8.6 12.8

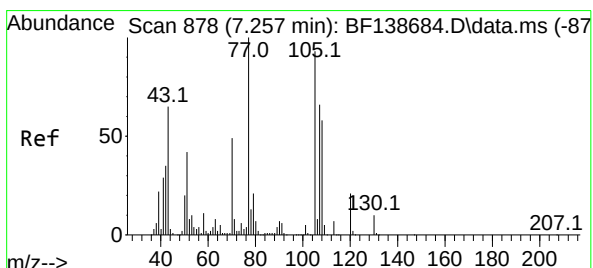
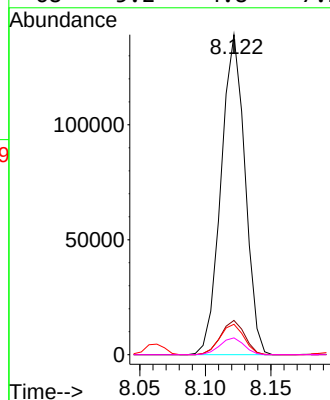
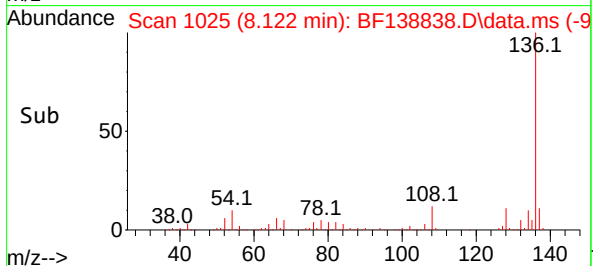
68 5.2 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#22

Acetophenone

Concen: 47.787 ng

RT: 7.251 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Tgt Ion:105 Resp: 206625

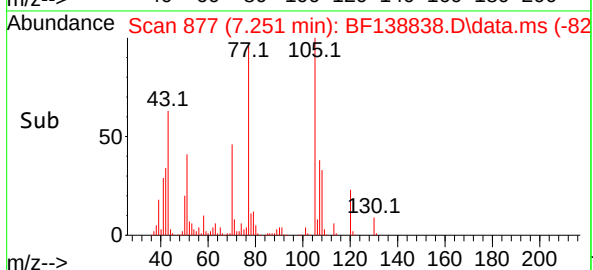
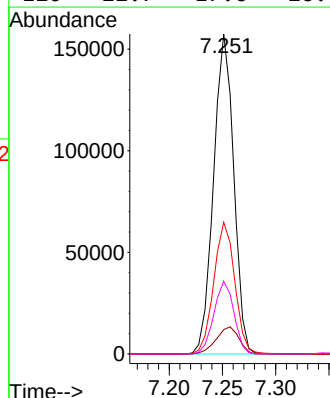
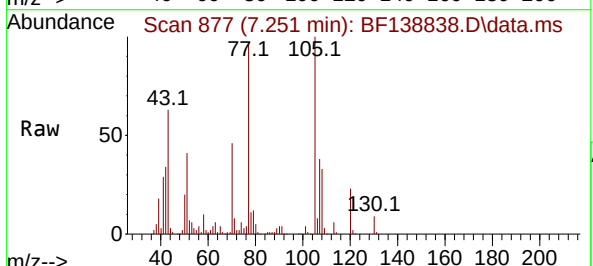
Ion Ratio Lower Upper

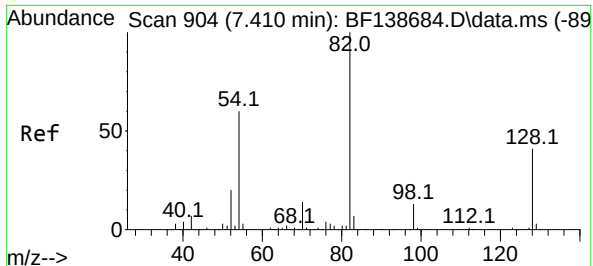
105 100

71 7.6 7.2 10.8

51 41.2 35.9 53.9

120 22.7 17.6 26.4





#23

Nitrobenzene-d5

Concen: 95.307 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion: 82 Resp: 34424

Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

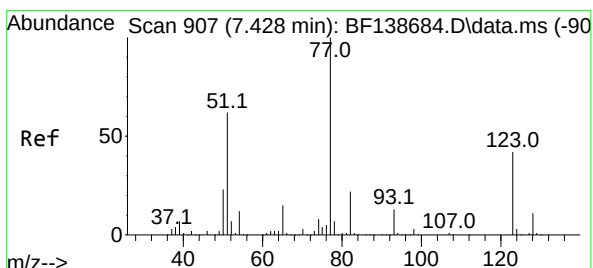
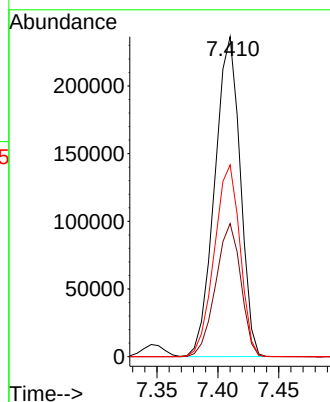
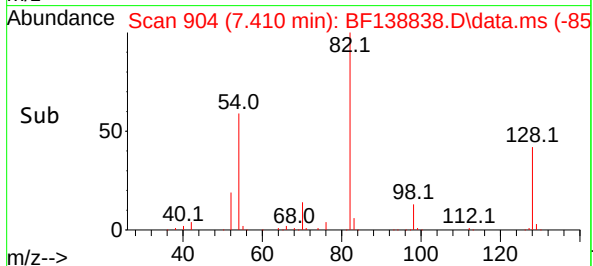
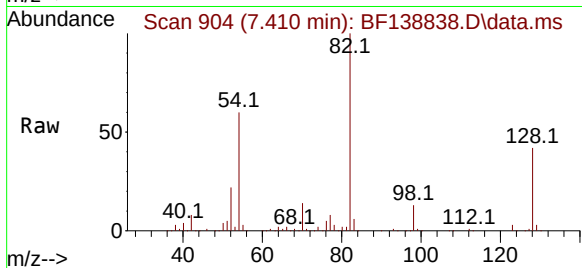
54 59.9 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#24

Nitrobenzene

Concen: 47.647 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

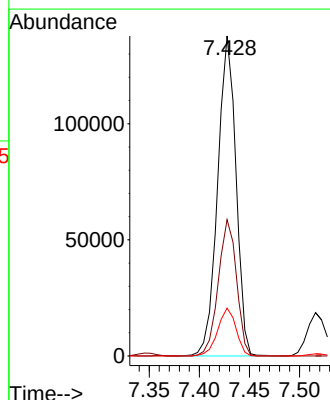
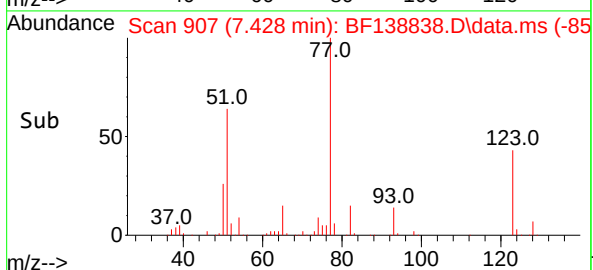
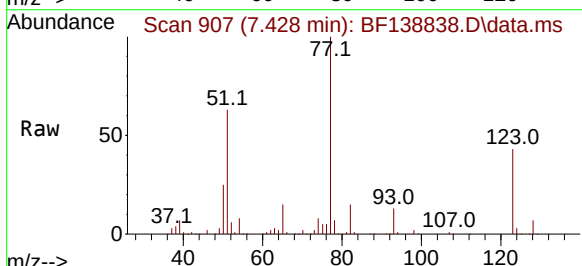
Tgt Ion: 77 Resp: 175122

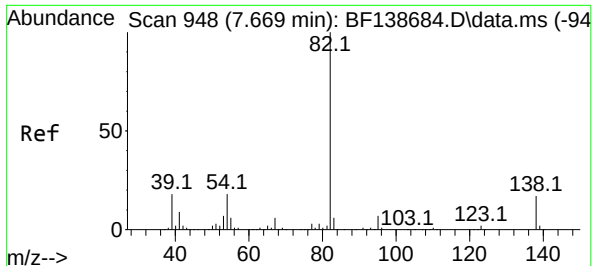
Ion Ratio Lower Upper

77 100

123 42.6 33.3 49.9

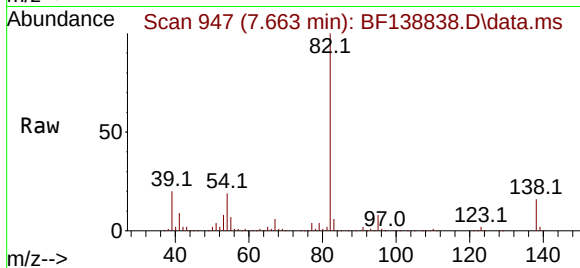
65 14.9 11.9 17.9





#25
Isophorone
Concen: 50.779 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

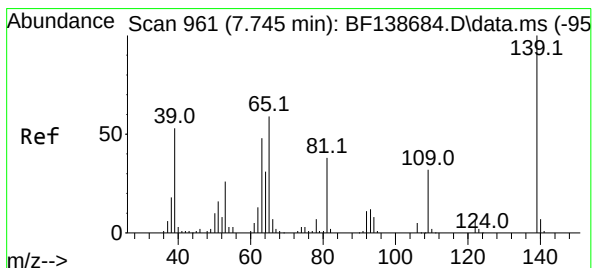
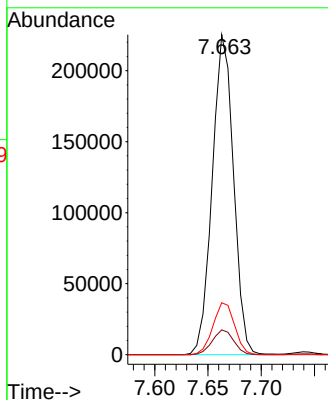
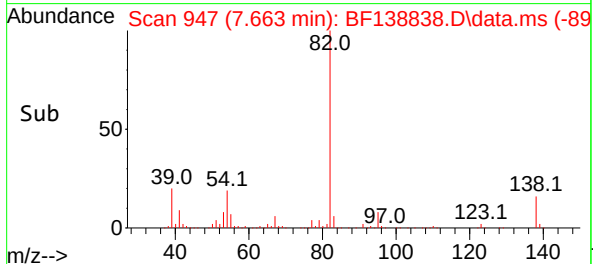
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion: 82 Resp: 313184
Ion Ratio Lower Upper
82 100
95 7.8 5.7 8.5
138 16.3 13.7 20.5

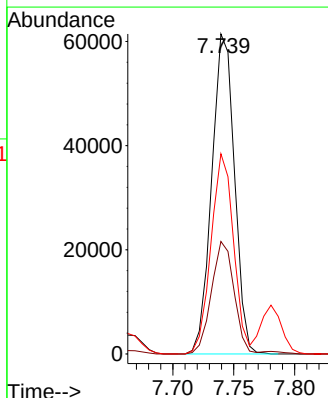
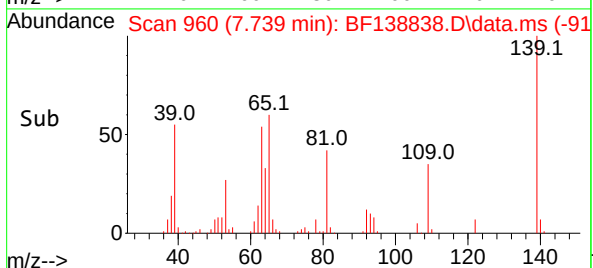
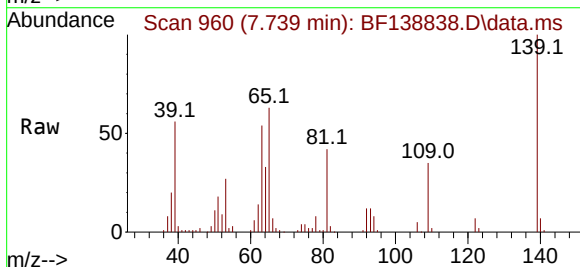
Manual Integrations
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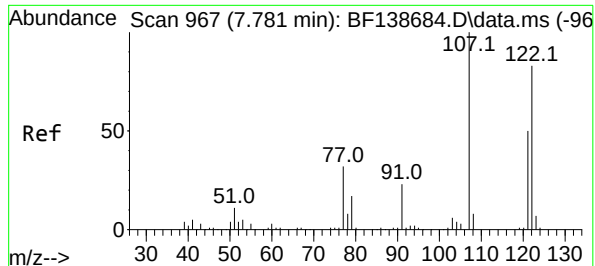
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#26
2-Nitrophenol
Concen: 50.522 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:139 Resp: 79890
Ion Ratio Lower Upper
139 100
109 35.1 25.9 38.9
65 62.6 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 49.357 ng

RT: 7.781 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:122 Resp: 9338

Ion Ratio Lower Upper

122 100

107 120.2 95.0 142.6

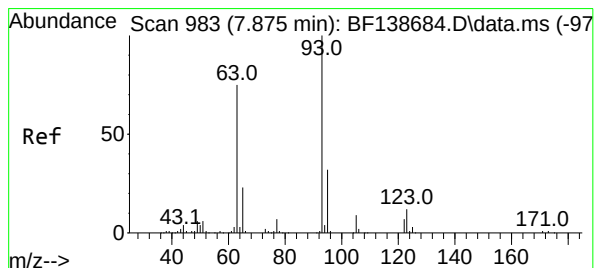
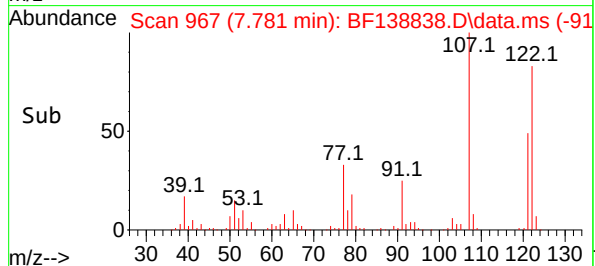
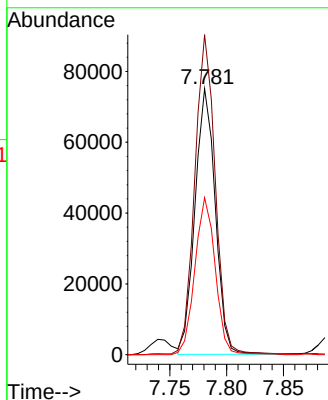
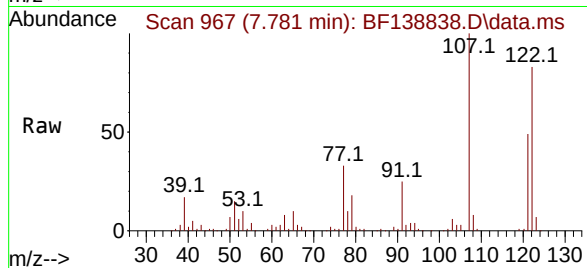
121 59.0 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#28

bis(2-Chloroethoxy)methane

Concen: 48.887 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

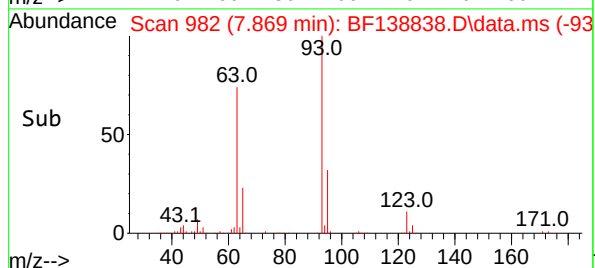
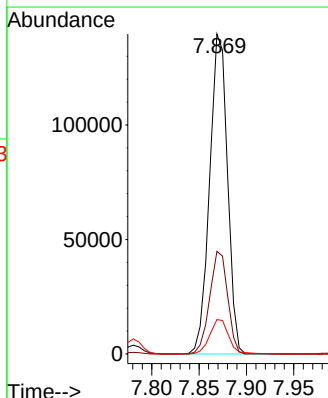
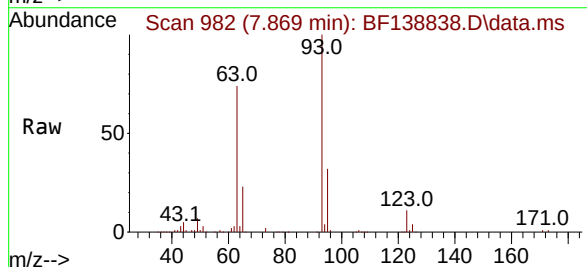
Tgt Ion: 93 Resp: 183614

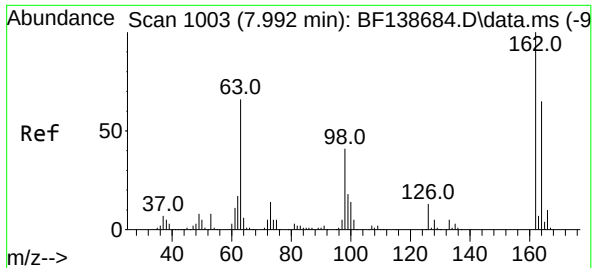
Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.8

123 10.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 49.466 ng

RT: 7.986 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138838.D

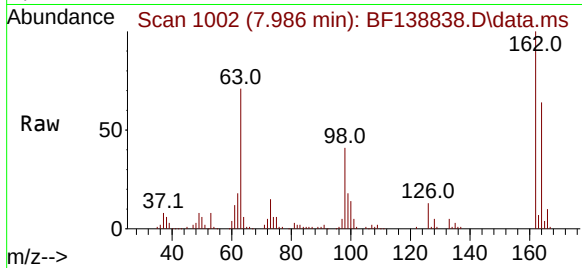
Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS



Tgt Ion:162 Resp: 120258

Ion Ratio Lower Upper

162 100

164 64.1 44.7 84.7

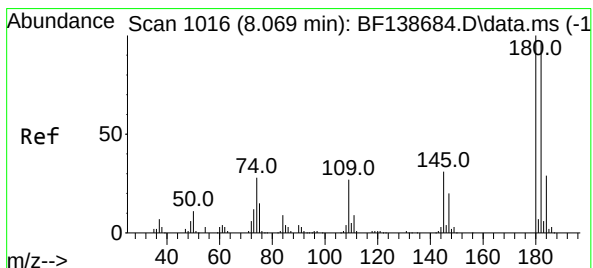
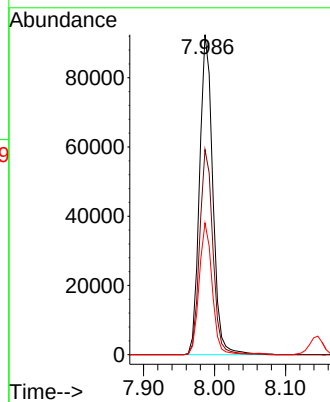
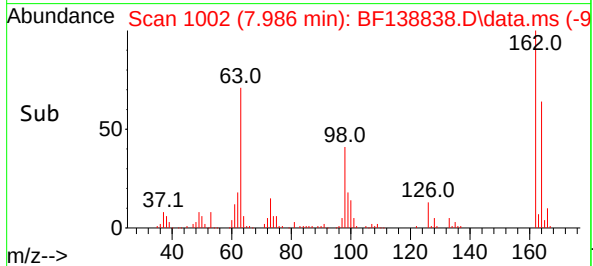
98 41.1 20.8 60.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#30

1,2,4-Trichlorobenzene

Concen: 45.671 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

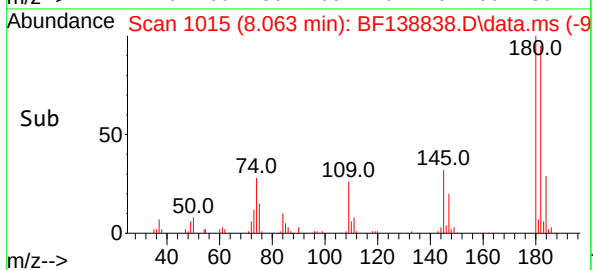
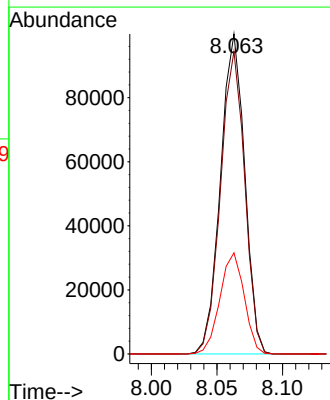
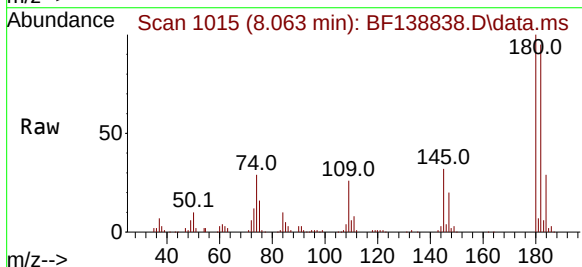
Tgt Ion:180 Resp: 128133

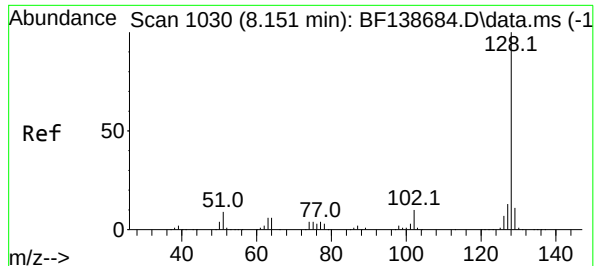
Ion Ratio Lower Upper

180 100

182 94.5 76.9 115.3

145 31.6 25.0 37.4





#31

Naphthalene

Concen: 46.045 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:128 Resp: 427999

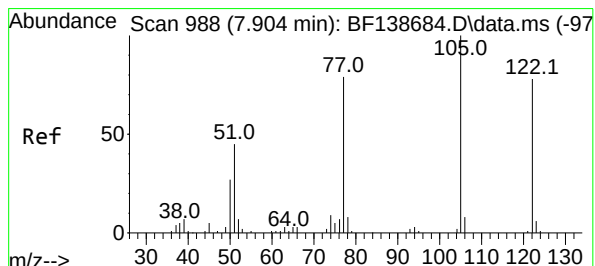
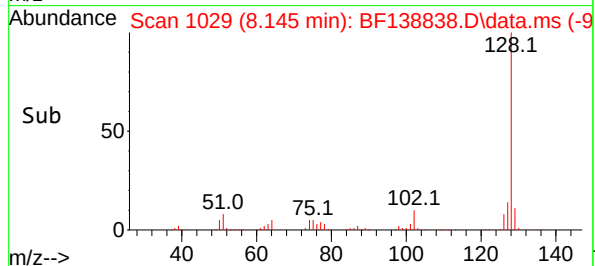
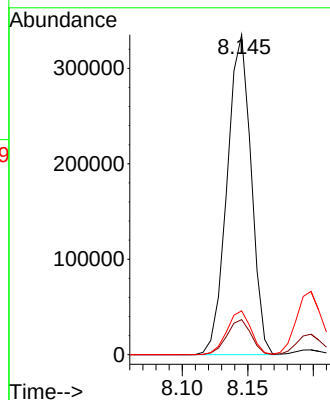
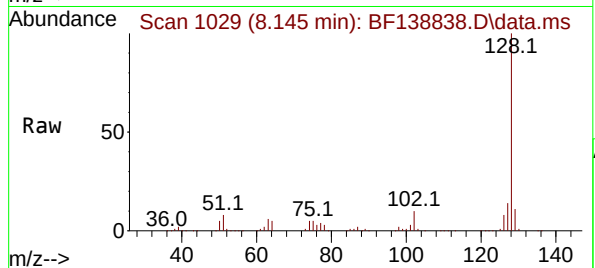
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.7	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#32

Benzoic acid

Concen: 11.043 ng m

RT: 7.898 min Scan# 987

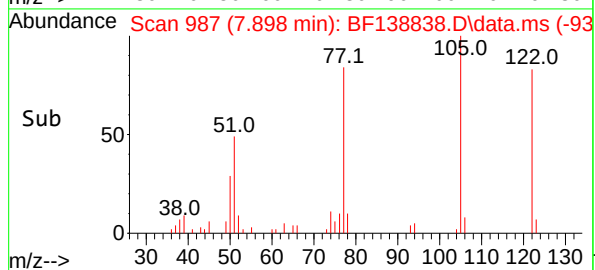
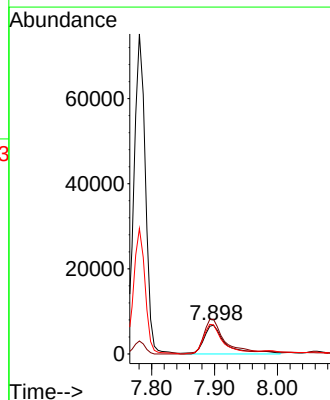
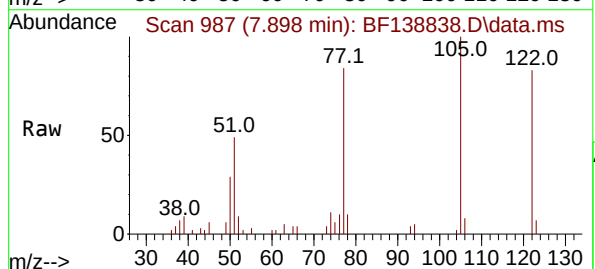
Delta R.T. -0.006 min

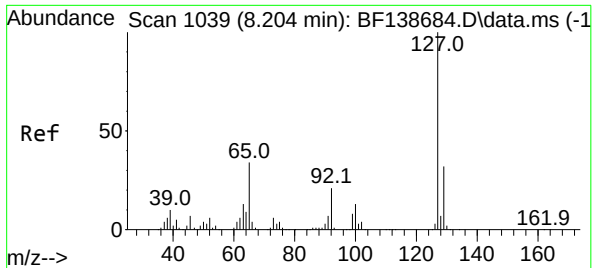
Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Tgt Ion:122 Resp: 16423

Ion	Ratio	Lower	Upper
122	100		
105	120.3	106.7	146.7
77	100.8	81.1	121.1





#33

4-Chloroaniline

Concen: 32.332 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:127 Resp: 10088

Ion Ratio Lower Upper

127 100

129 32.5 25.9 38.9

65 35.7 27.6 41.4

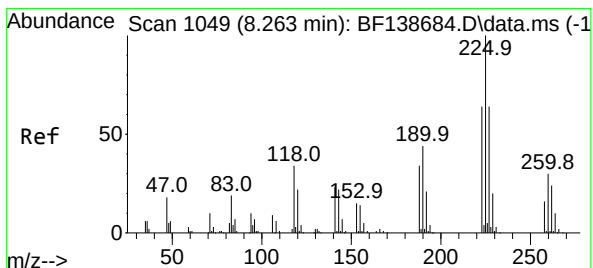
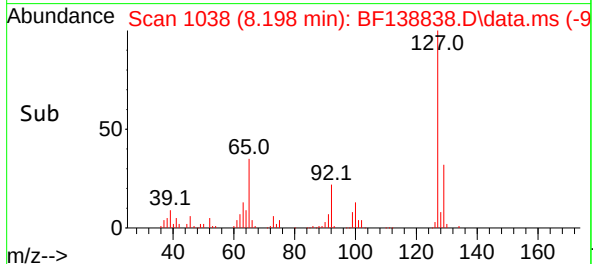
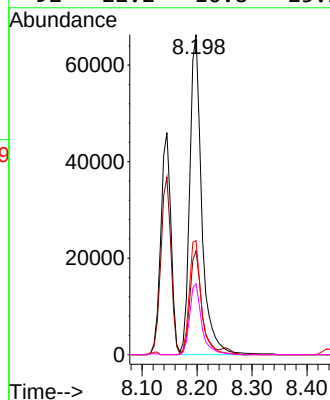
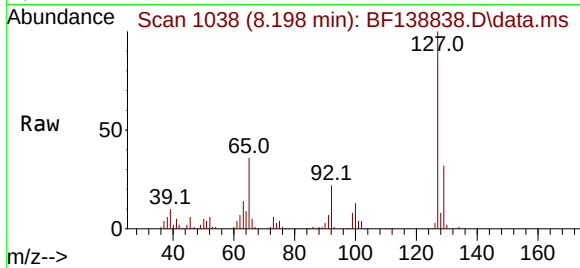
92 22.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#34

Hexachlorobutadiene

Concen: 42.898 ng

RT: 8.251 min Scan# 1047

Delta R.T. -0.012 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

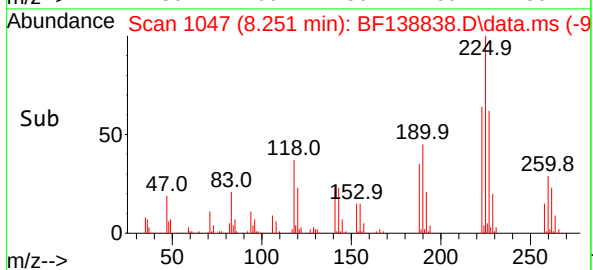
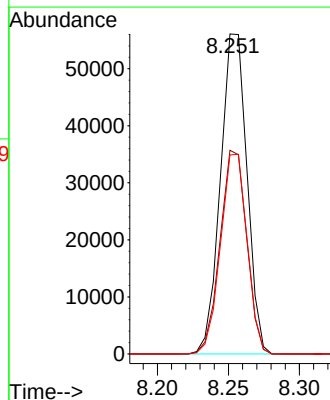
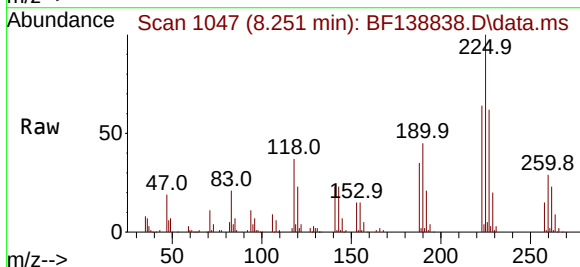
Tgt Ion:225 Resp: 72898

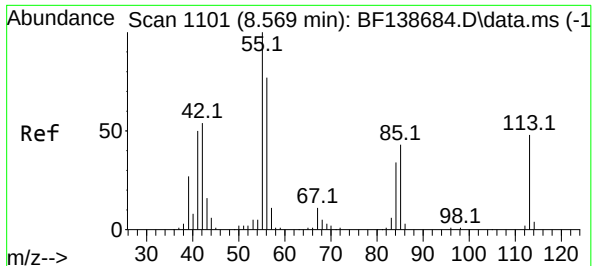
Ion Ratio Lower Upper

225 100

223 63.6 51.2 76.8

227 62.2 51.1 76.7





#35

Caprolactam

Concen: 9.330 ng

RT: 8.581 min Scan# 1103

Delta R.T. 0.012 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:113 Resp: 6768

Ion Ratio Lower Upper

113 100

55 187.3 186.7 226.7

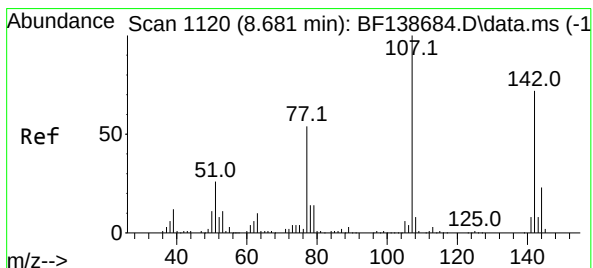
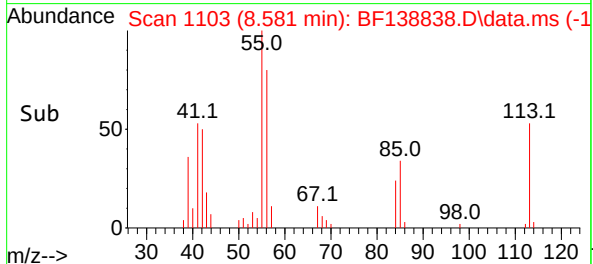
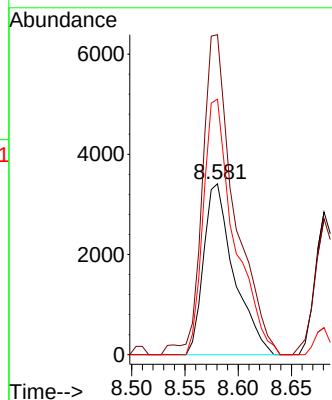
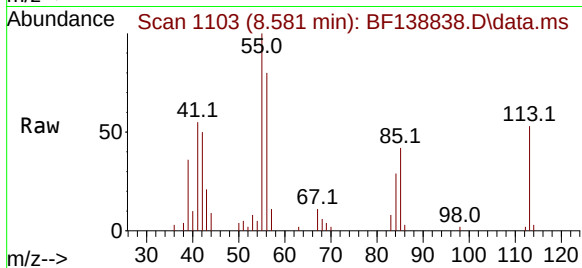
56 149.6 138.9 178.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#36

4-Chloro-3-methylphenol

Concen: 45.397 ng

RT: 8.681 min Scan# 1120

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

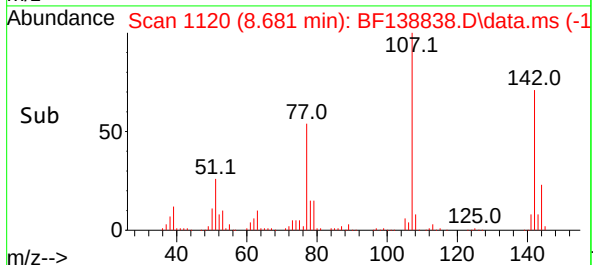
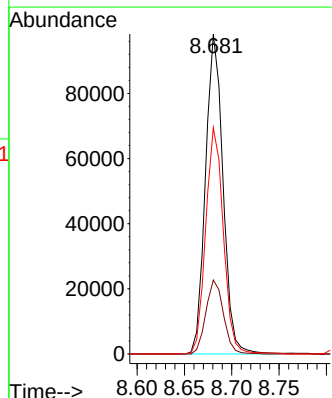
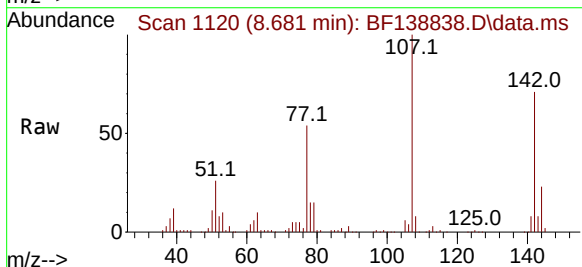
Tgt Ion:107 Resp: 126133

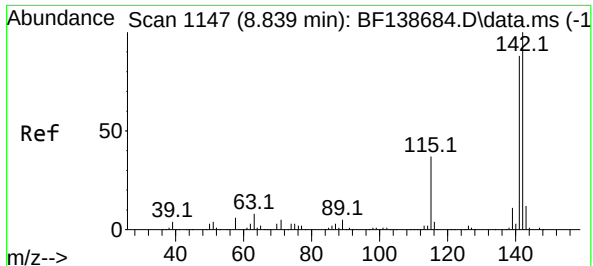
Ion Ratio Lower Upper

107 100

144 23.1 18.2 27.2

142 70.7 57.4 86.2





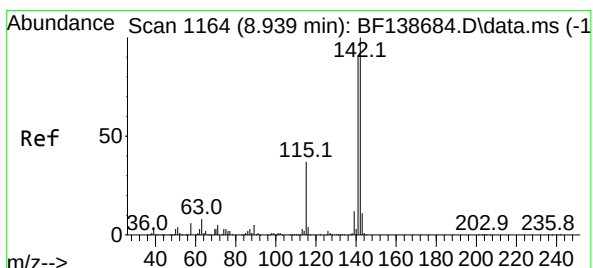
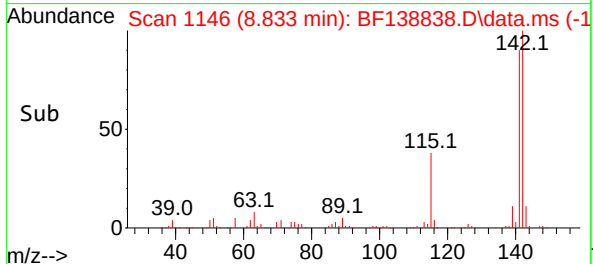
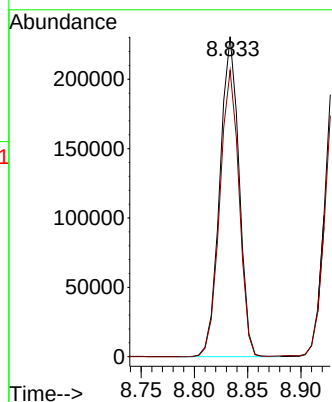
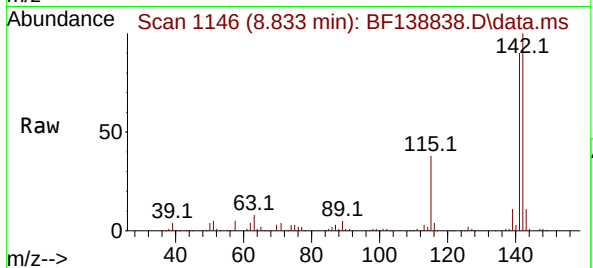
#37
2-Methylnaphthalene
Concen: 49.128 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS

Tgt Ion:142 Resp: 28840
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2

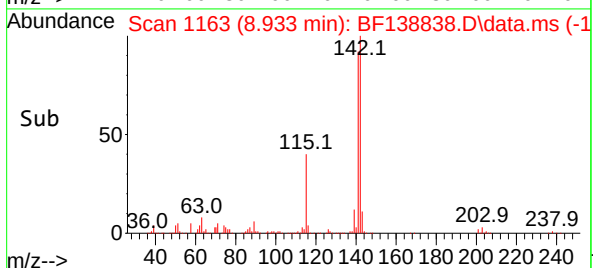
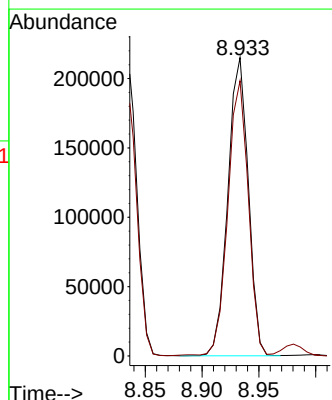
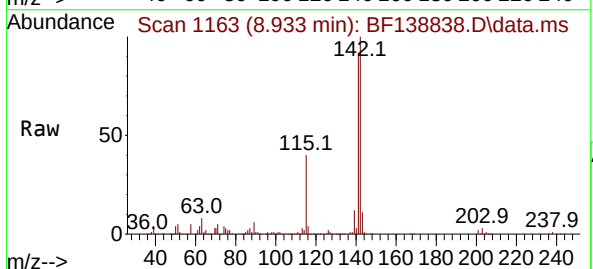
Manual Integrations
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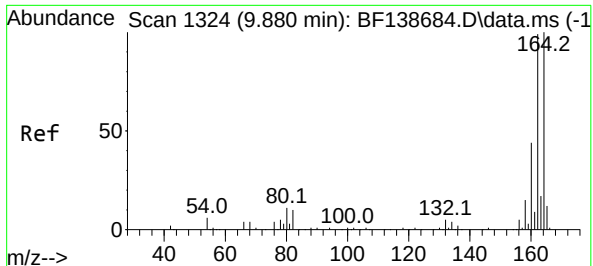
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#38
1-Methylnaphthalene
Concen: 46.729 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:142 Resp: 268808
Ion Ratio Lower Upper
142 100
141 92.2 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1117

Delta R.T. -0.005 min

Lab File: BF138838.D

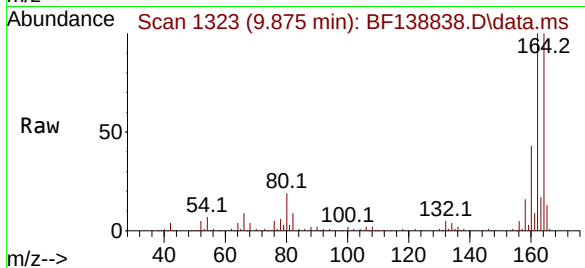
Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS



Tgt Ion:164 Resp: 9460

Ion Ratio Lower Upper

164 100

162 99.5 79.4 119.0

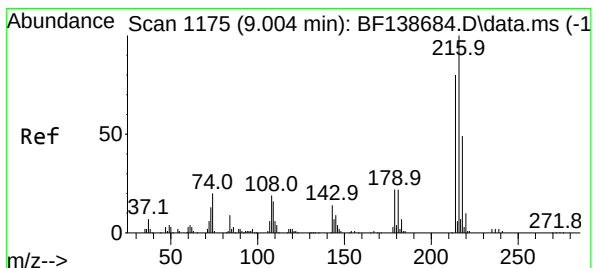
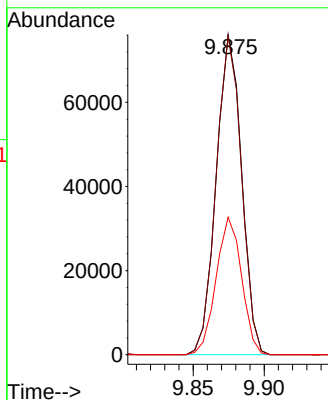
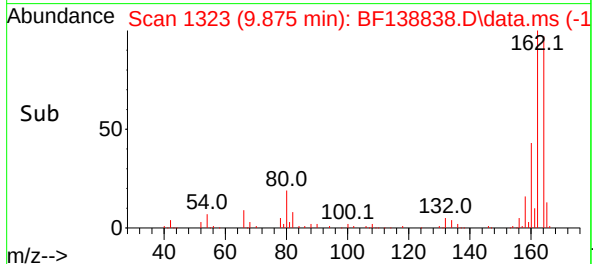
160 43.0 35.1 52.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#40

1,2,4,5-Tetrachlorobenzene

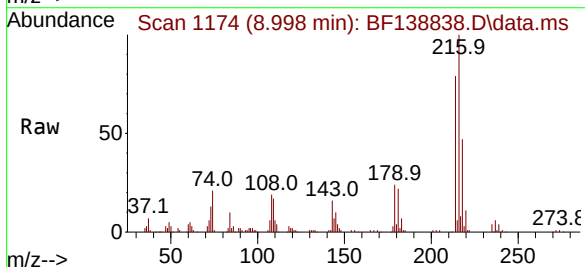
Concen: 47.827 ng

RT: 8.998 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04



Tgt Ion:216 Resp: 125691

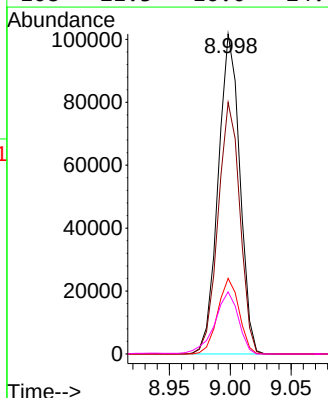
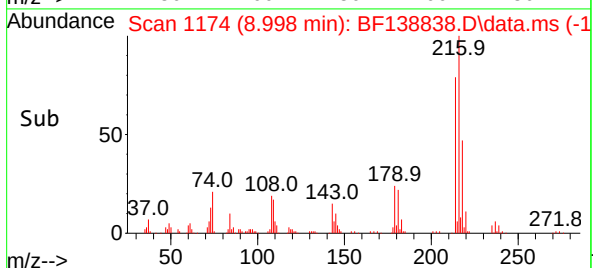
Ion Ratio Lower Upper

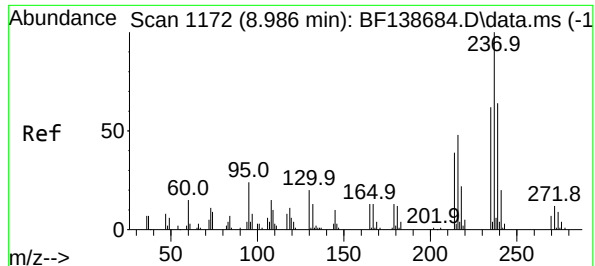
216 100

214 79.2 63.9 95.9

179 23.3 17.8 26.6

108 21.3 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 109.293 ng

RT: 8.980 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:237 Resp: 7796

Ion Ratio Lower Upper

237 100

235 63.4 41.8 81.8

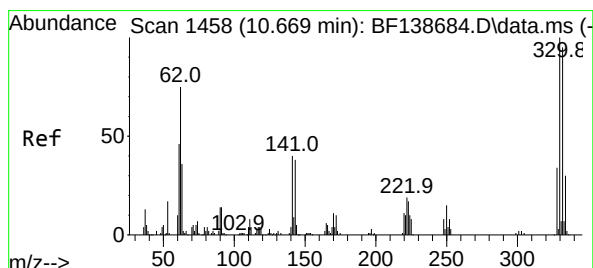
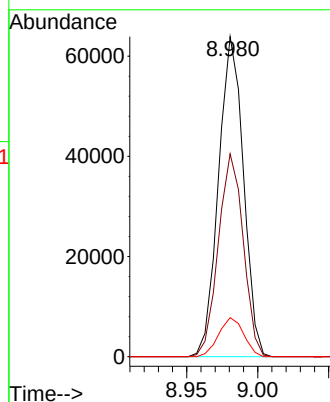
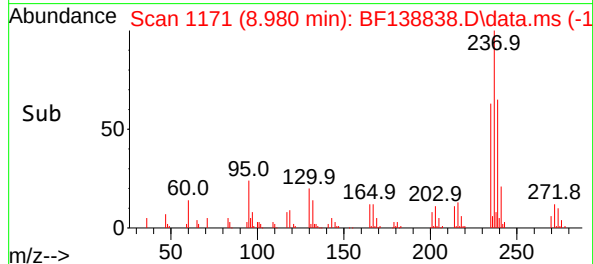
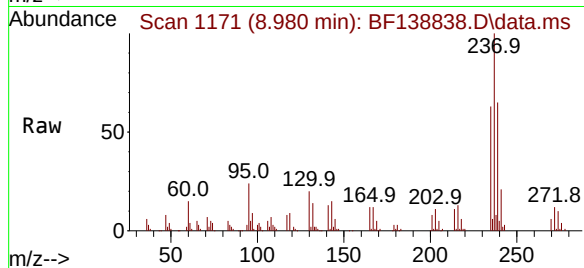
272 12.2 0.0 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#42

2,4,6-Tribromophenol

Concen: 142.891 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

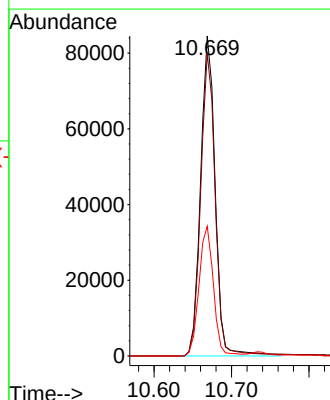
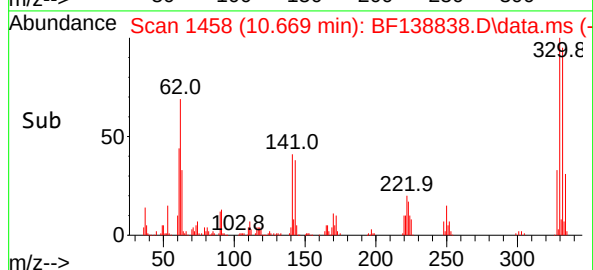
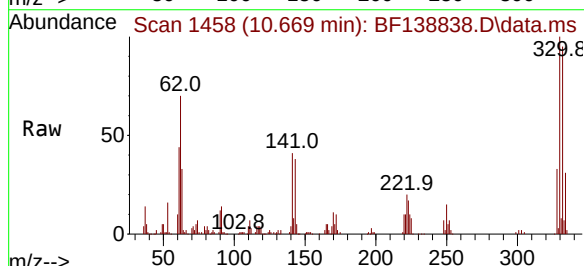
Tgt Ion:330 Resp: 110732

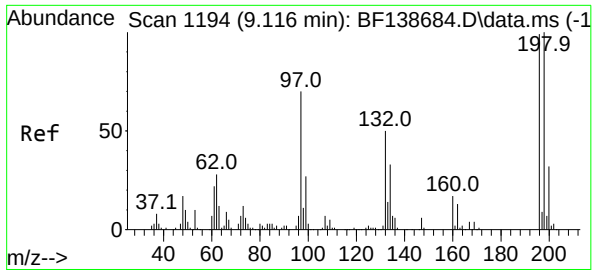
Ion Ratio Lower Upper

330 100

332 94.4 76.4 114.6

141 40.1 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 49.619 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:196 Resp: 79500

Ion Ratio Lower Upper

196 100

198 99.3 80.5 120.7

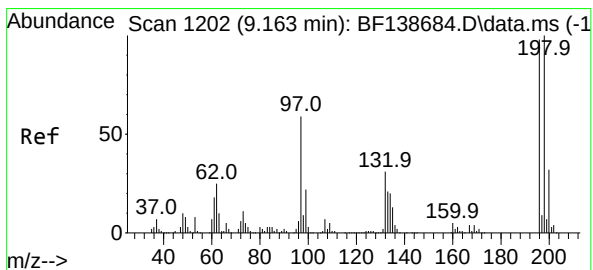
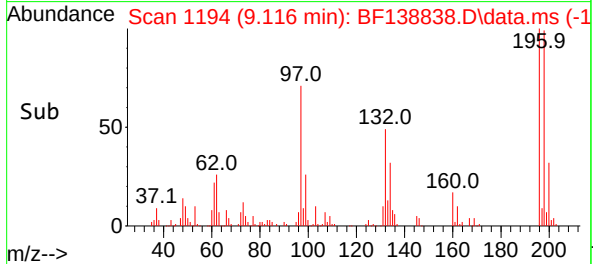
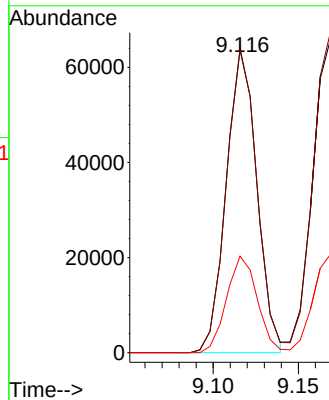
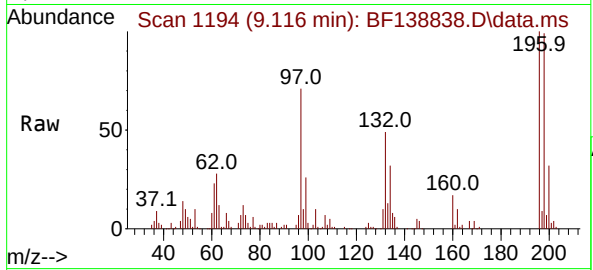
200 31.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#44

2,4,5-Trichlorophenol

Concen: 48.557 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Tgt Ion:196 Resp: 85057

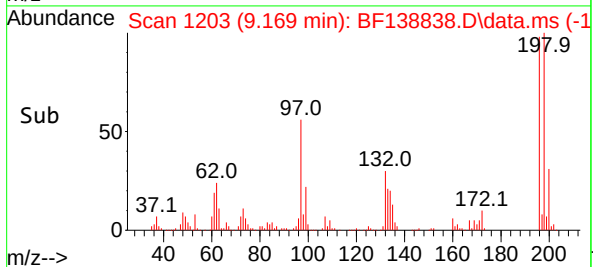
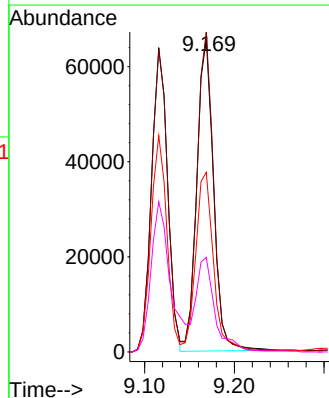
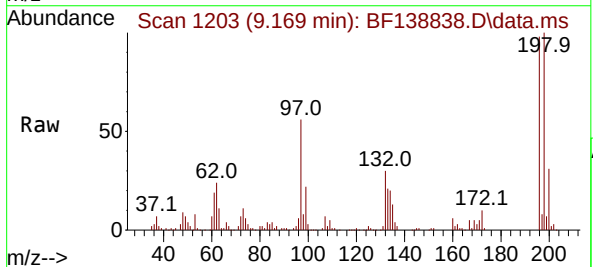
Ion Ratio Lower Upper

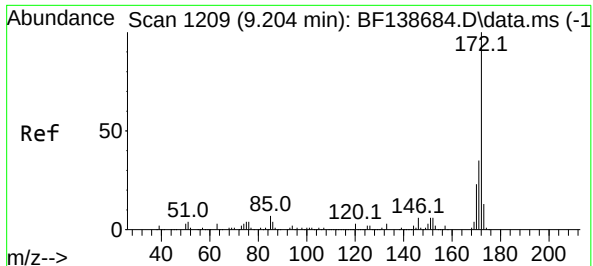
196 100

198 102.3 81.2 121.8

97 57.5 47.8 71.6

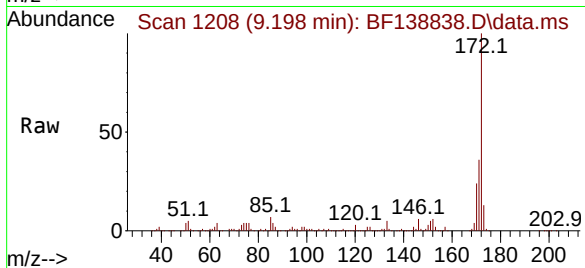
132 30.2 25.3 37.9





#45
2-Fluorobiphenyl
Concen: 96.516 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

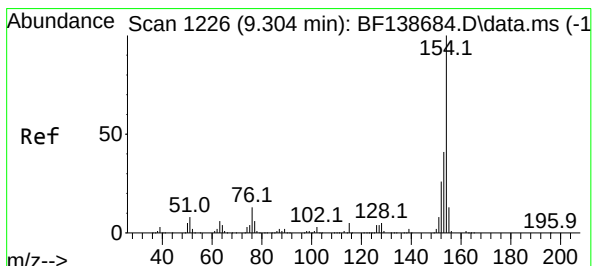
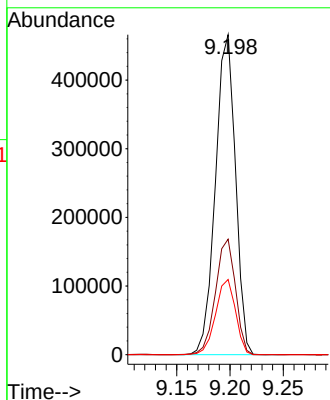
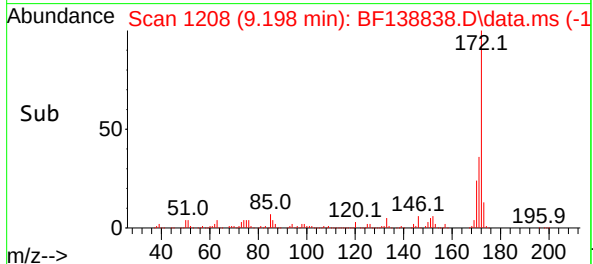
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



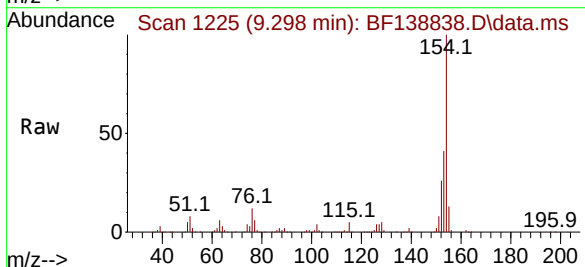
Tgt Ion:172 Resp: 607714
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.5 18.8 28.2

Manual Integrations
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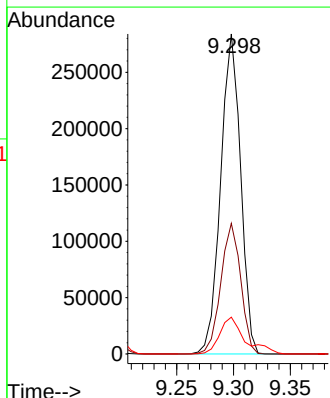
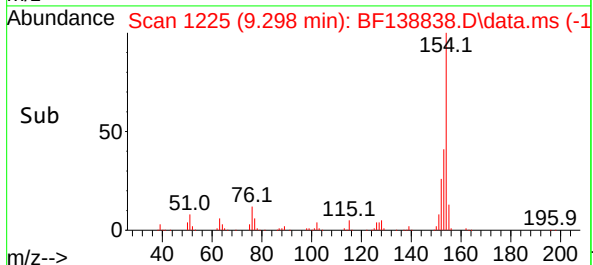
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

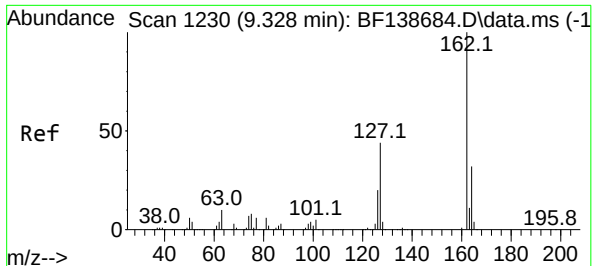


#46
1,1'-Biphenyl
Concen: 46.802 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04



Tgt Ion:154 Resp: 346771
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 49.387 ng

RT: 9.322 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:162 Resp: 27215

Ion Ratio Lower Upper

162 100

127 44.6 35.4 53.2

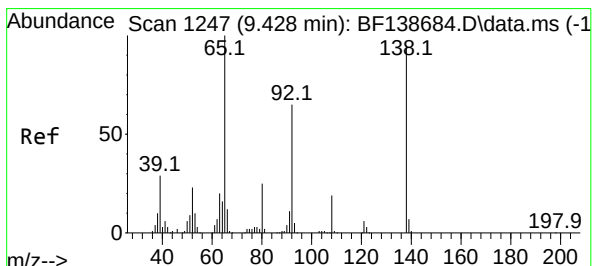
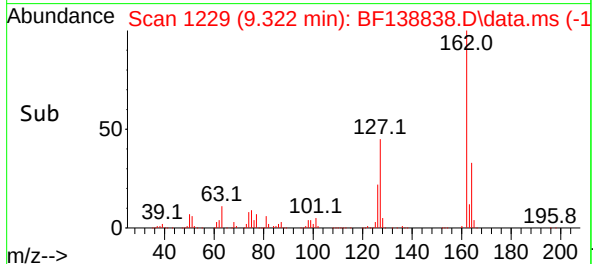
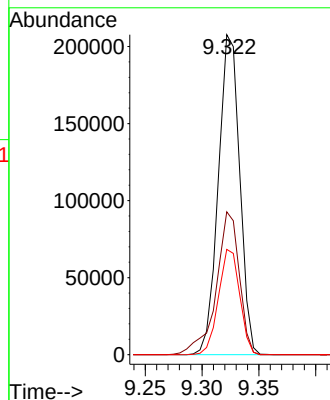
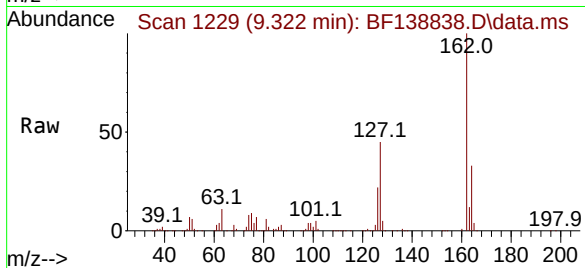
164 32.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#48

2-Nitroaniline

Concen: 51.385 ng

RT: 9.428 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

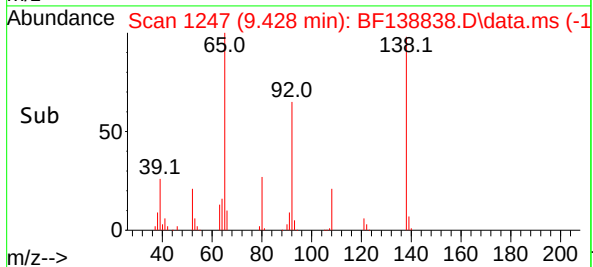
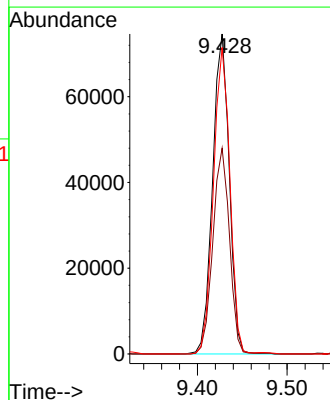
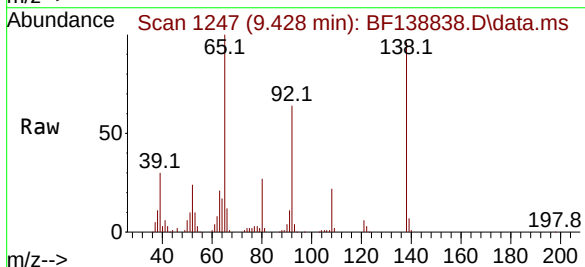
Tgt Ion: 65 Resp: 95994

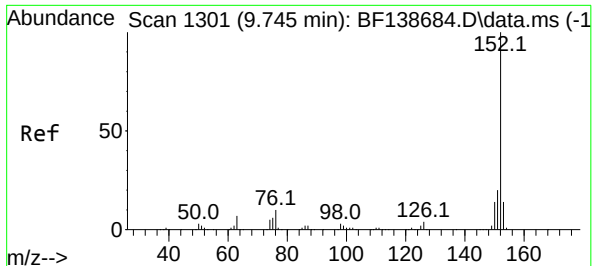
Ion Ratio Lower Upper

65 100

92 64.3 52.0 78.0

138 95.8 76.2 114.4





#49

Acenaphthylene

Concen: 53.975 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

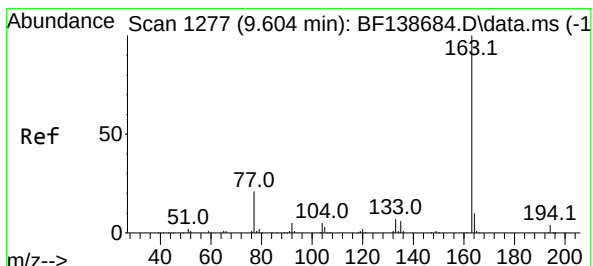
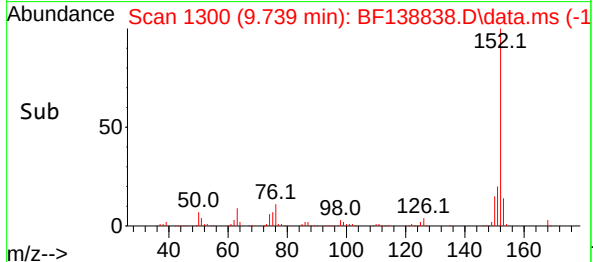
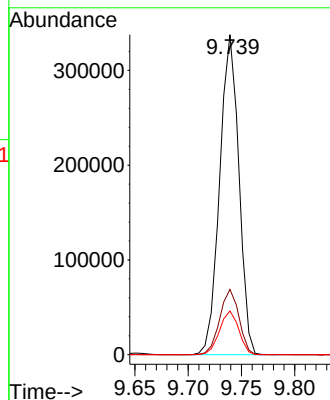
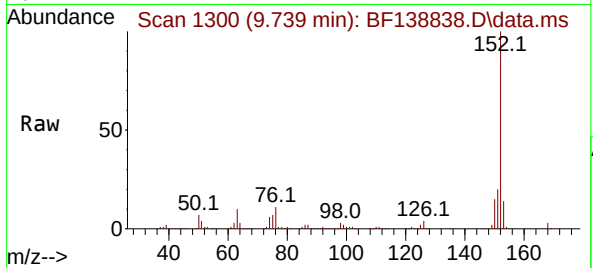
Tgt Ion:152	Resp: 421840
Ion Ratio	Lower Upper
152	100
151	20.4 16.0 24.0
153	13.7 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#50

Dimethylphthalate

Concen: 53.697 ng

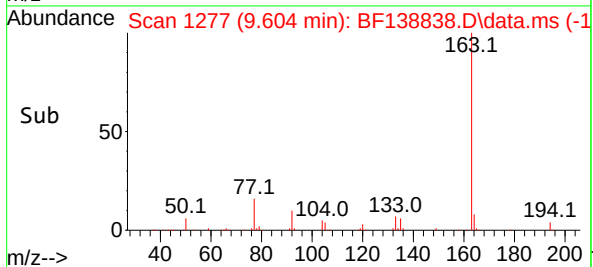
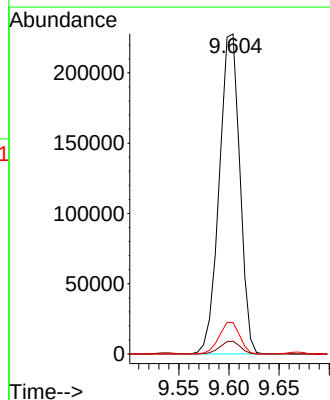
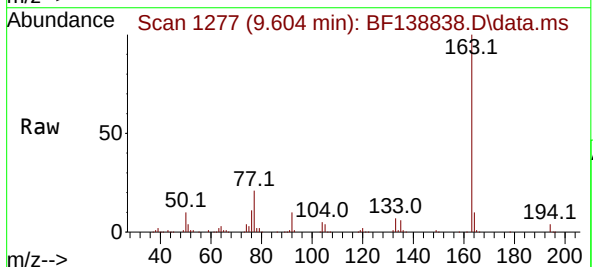
RT: 9.604 min Scan# 1277

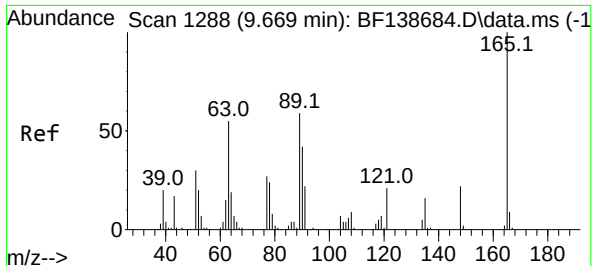
Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

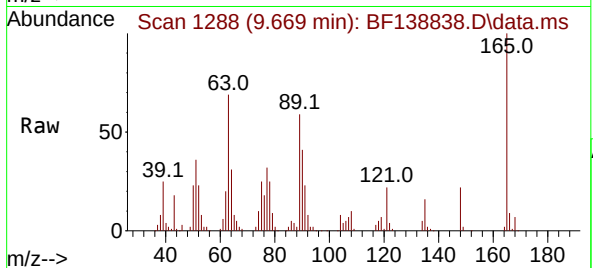
Tgt Ion:163	Resp: 324822
Ion Ratio	Lower Upper
163	100
194	4.0 3.1 4.7
164	9.8 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 51.312 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

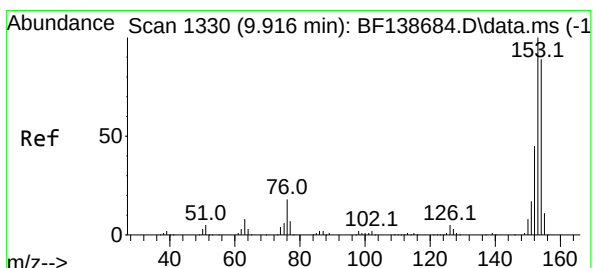
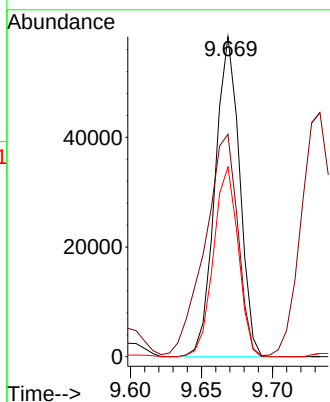
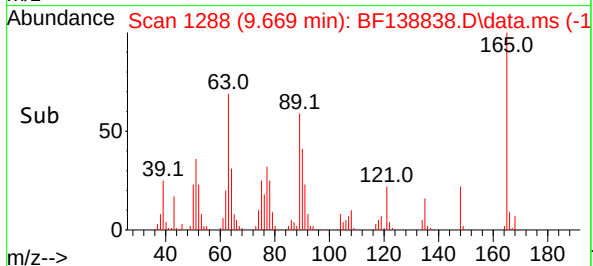
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:165 Resp: 7005
Ion Ratio Lower Upper
165 100
63 69.4 52.0 78.0
89 59.3 47.0 70.6

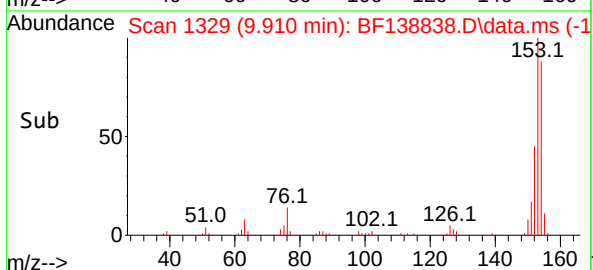
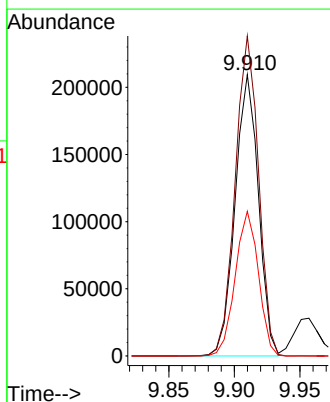
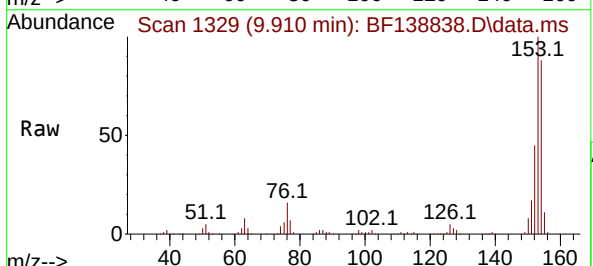
Manual Integrations
APPROVED

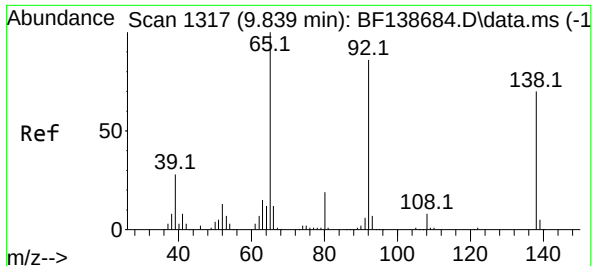
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#52
Acenaphthene
Concen: 49.439 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

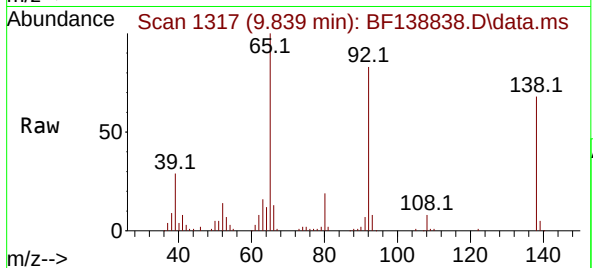
Tgt Ion:154 Resp: 259741
Ion Ratio Lower Upper
154 100
153 113.7 89.9 134.9
152 51.4 40.6 60.8





#53
3-Nitroaniline
Concen: 31.581 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

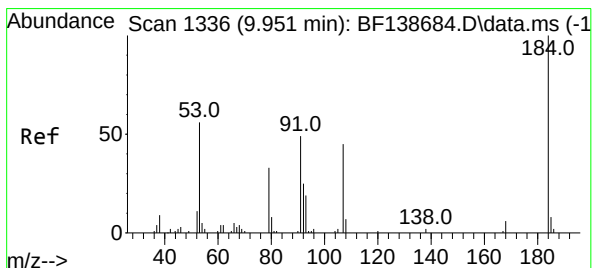
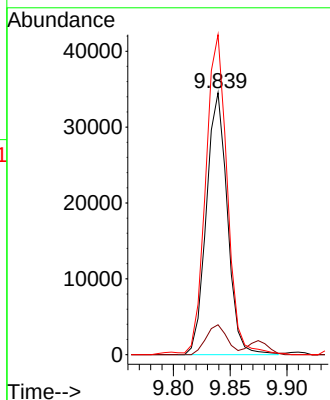
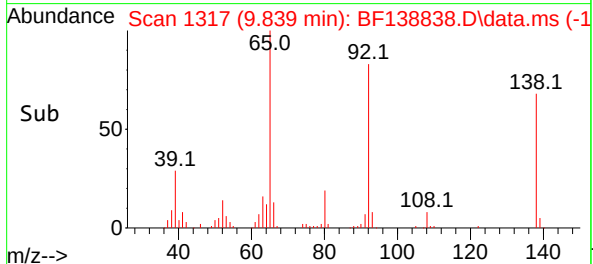
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:138 Resp: 44570
Ion Ratio Lower Upper
138 100
108 11.4 9.1 13.7
92 122.2 98.7 148.1

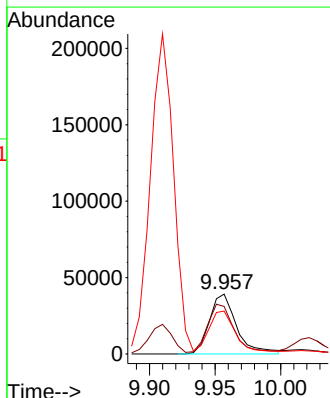
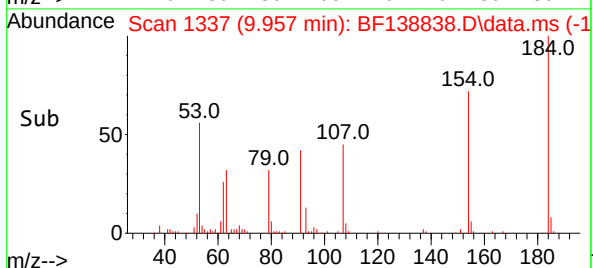
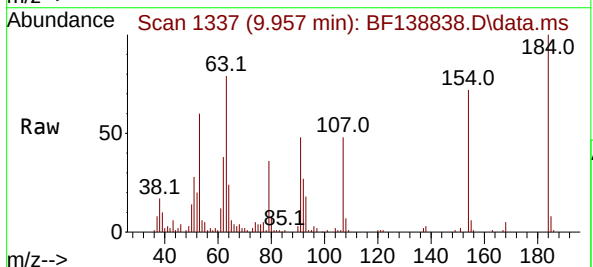
Manual Integrations
APPROVED

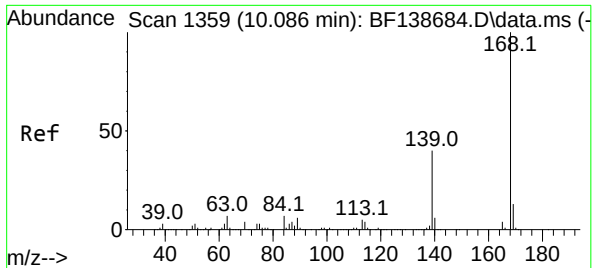
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#54
2,4-Dinitrophenol
Concen: 89.870 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

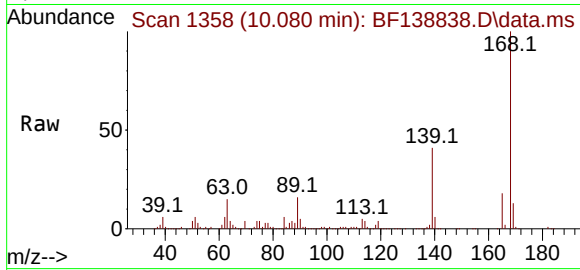
Tgt Ion:184 Resp: 56478
Ion Ratio Lower Upper
184 100
63 79.5 57.5 86.3
154 71.7 51.7 77.5





#55
Dibenzenofuran
Concen: 52.758 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

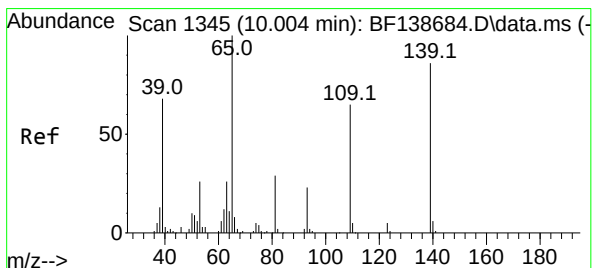
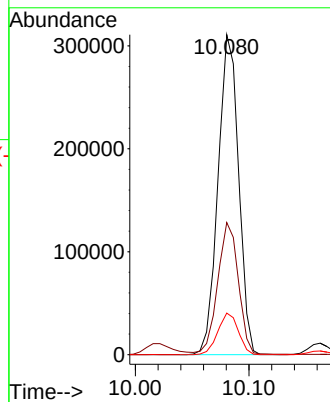
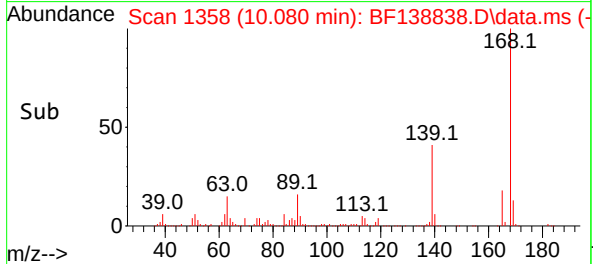
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:168 Resp: 391268
Ion Ratio Lower Upper
168 100
139 41.3 32.6 49.0
169 13.0 10.7 16.1

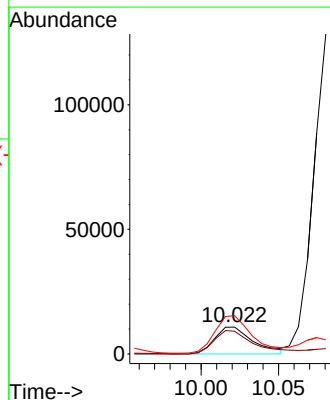
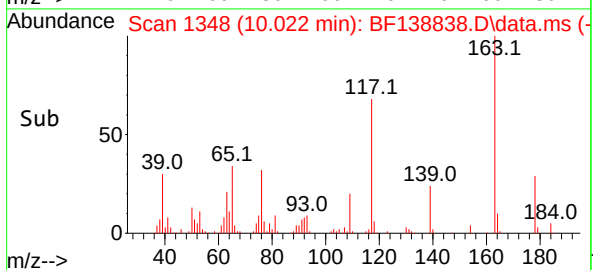
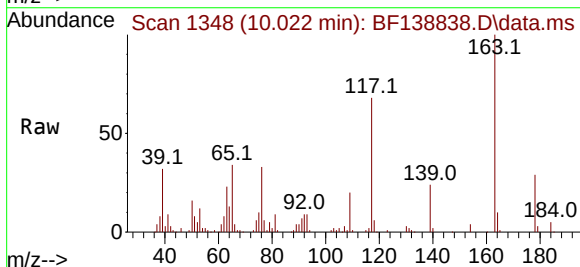
Manual Integrations
APPROVED

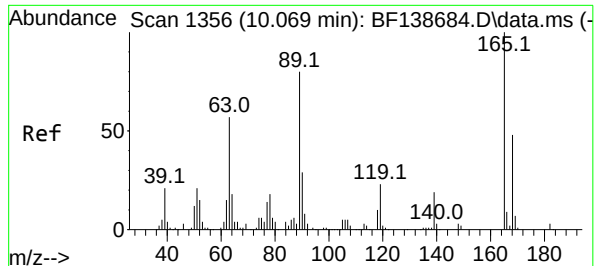
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#56
4-Nitrophenol
Concen: 21.914 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

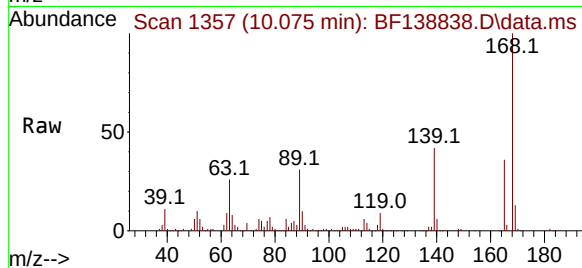
Tgt Ion:139 Resp: 18598
Ion Ratio Lower Upper
139 100
109 84.5 55.5 95.5
65 142.6 96.7 136.7#





#57
2,4-Dinitrotoluene
Concen: 51.843 ng
RT: 10.075 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

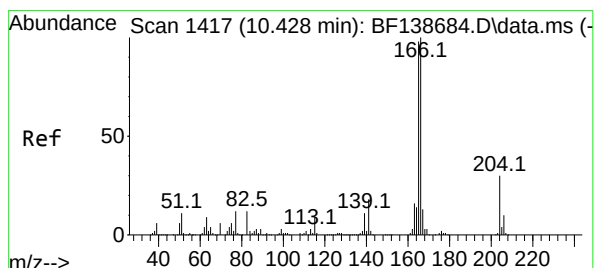
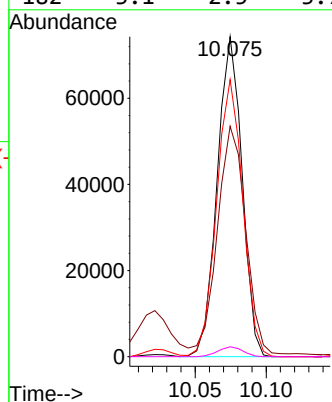
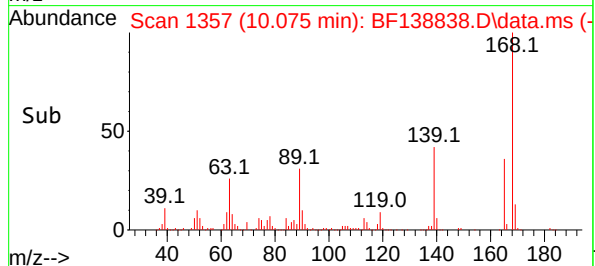
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:165 Resp: 90298
Ion Ratio Lower Upper
165 100
63 72.0 46.3 69.5
89 86.6 64.2 96.4
182 3.1 2.5 3.7

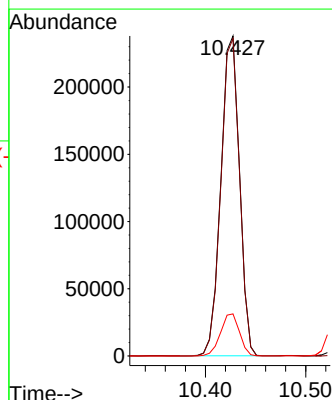
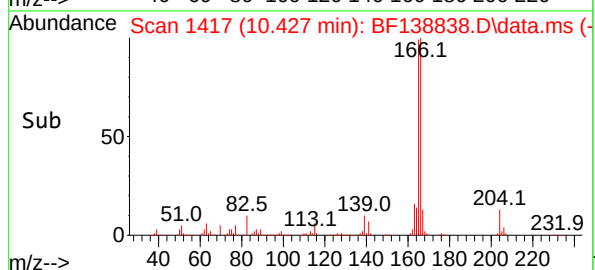
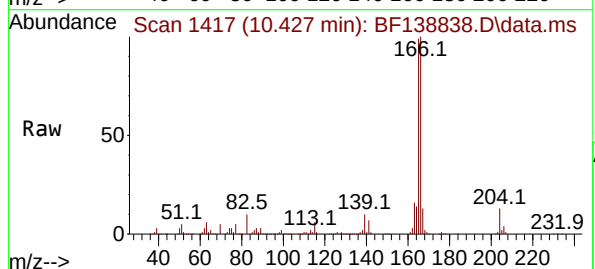
Manual Integrations
APPROVED

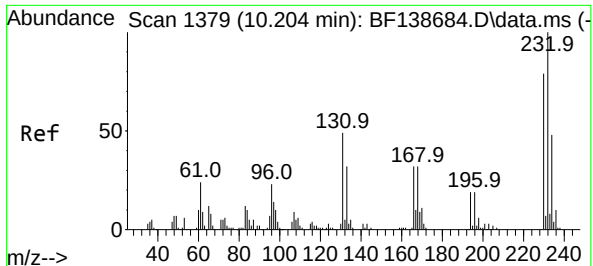
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#58
Fluorene
Concen: 51.865 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

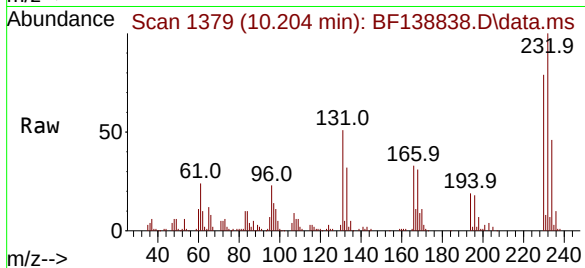
Tgt Ion:166 Resp: 306309
Ion Ratio Lower Upper
166 100
165 99.2 78.4 117.6
167 13.2 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.624 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

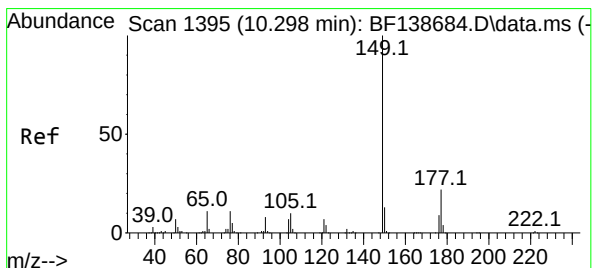
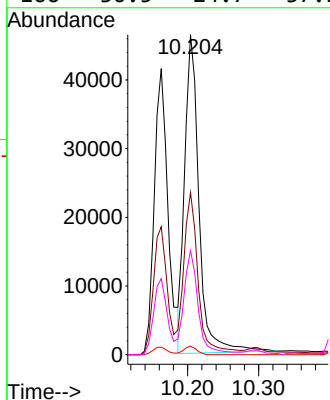
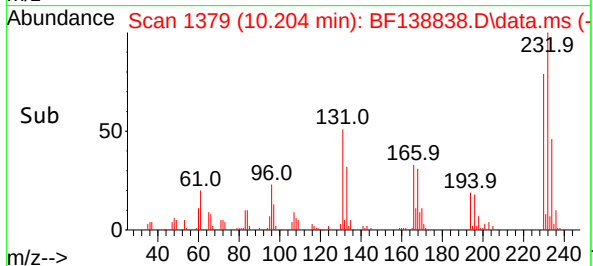
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:232 Resp: 6511
Ion Ratio Lower Upper
232 100
131 51.4 37.0 55.4
130 2.5 2.0 3.0
166 30.5 24.7 37.1

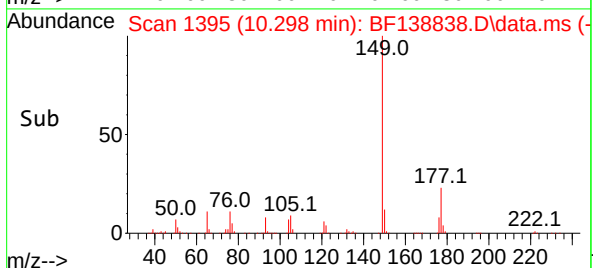
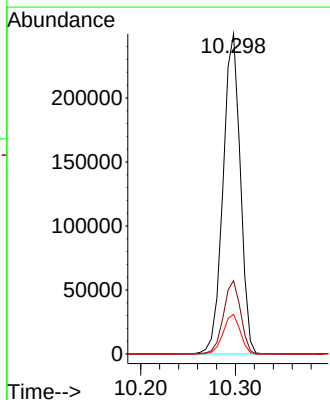
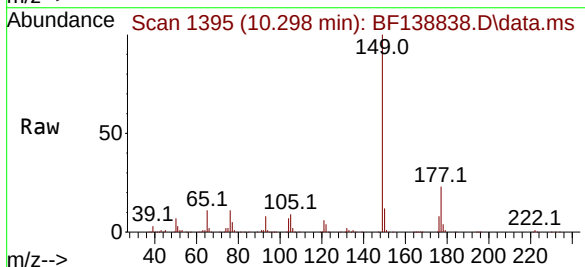
Manual Integrations
APPROVED

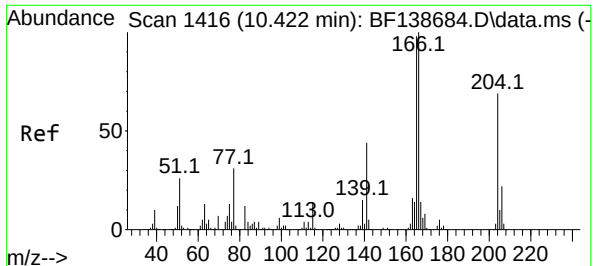
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#60
Diethylphthalate
Concen: 55.238 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

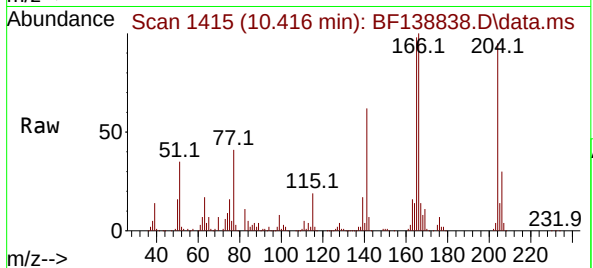
Tgt Ion:149 Resp: 316829
Ion Ratio Lower Upper
149 100
177 22.9 17.8 26.8
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 52.883 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

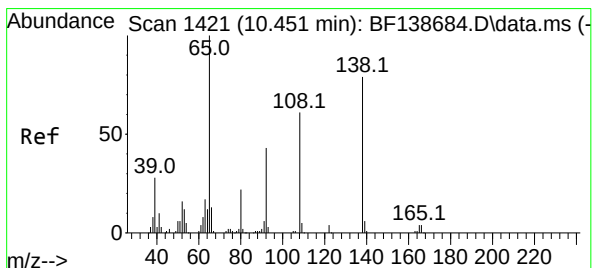
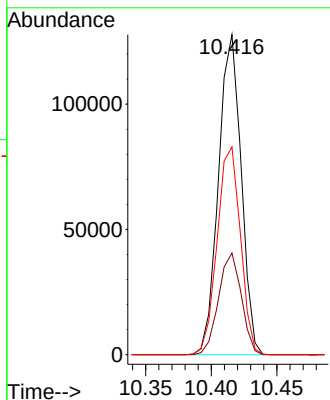
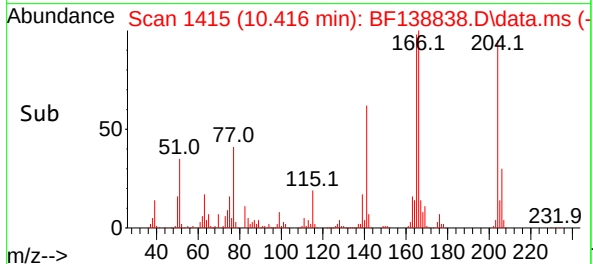
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:204 Resp: 153604
Ion Ratio Lower Upper
204 100
206 31.7 26.1 39.1
141 65.0 51.4 77.0

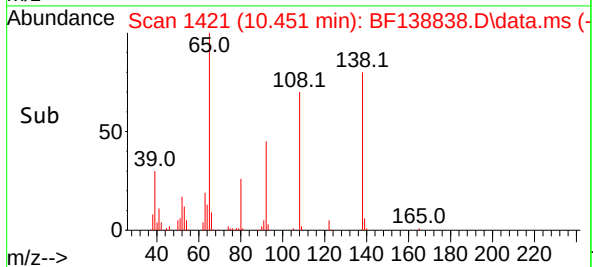
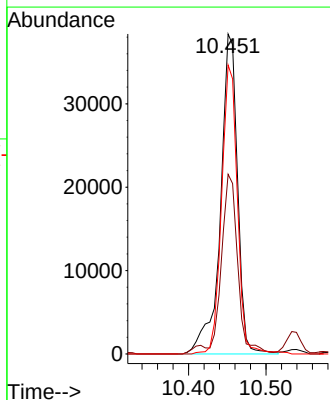
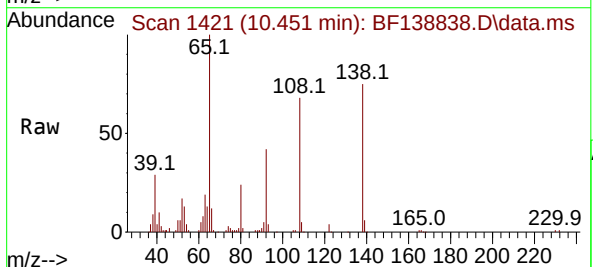
Manual Integrations
APPROVED

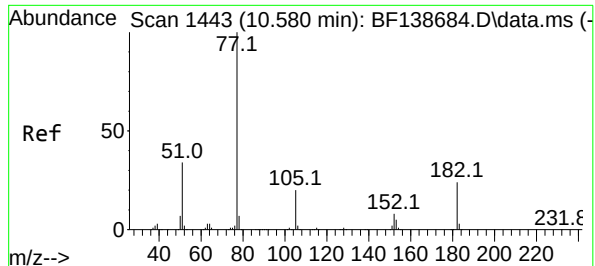
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#62
4-Nitroaniline
Concen: 44.053 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

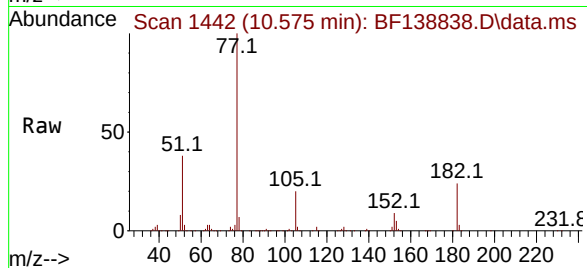
Tgt Ion:138 Resp: 59083
Ion Ratio Lower Upper
138 100
92 56.2 34.2 74.2
108 90.3 56.2 96.2





#63
Azobenzene
Concen: 50.406 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

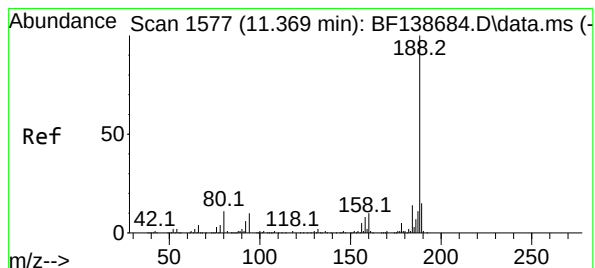
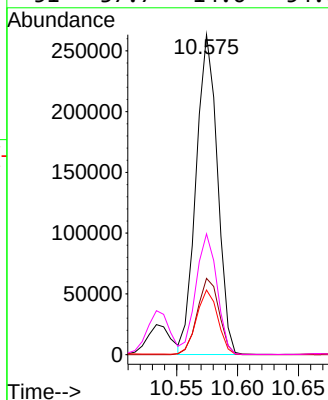
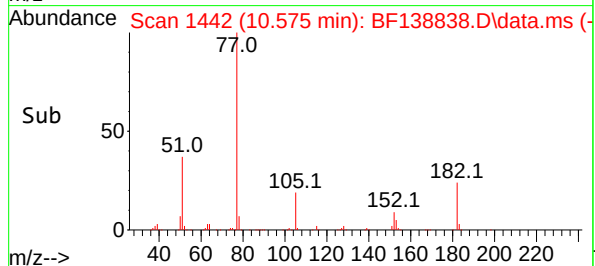
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion: 77 Resp: 320652
Ion Ratio Lower Upper
77 100
182 23.8 3.4 43.4
105 20.2 0.2 40.2
51 37.7 14.6 54.6

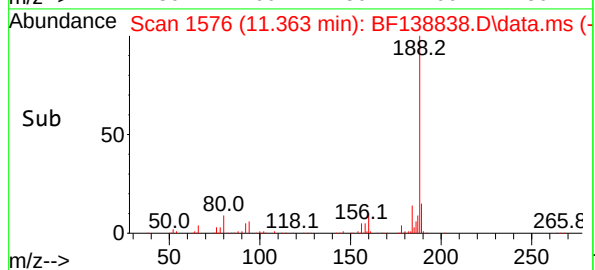
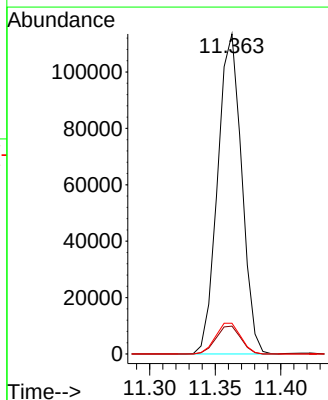
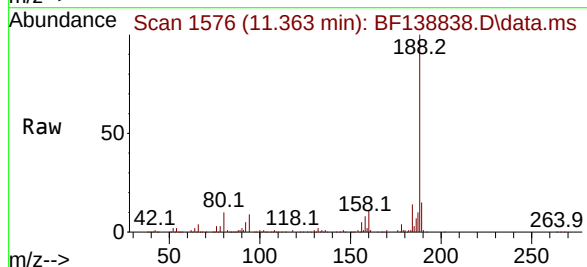
Manual Integrations
APPROVED

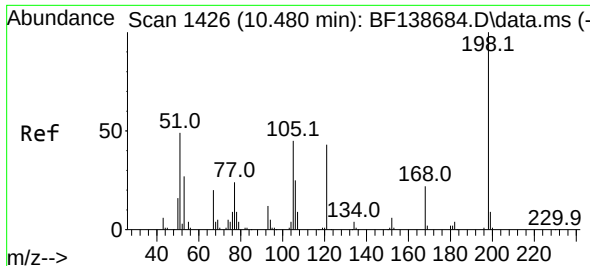
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

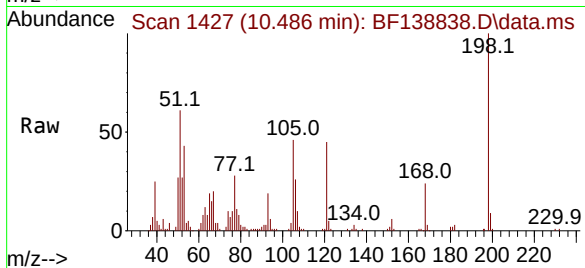
Tgt Ion:188 Resp: 144429
Ion Ratio Lower Upper
188 100
94 8.7 7.6 11.4
80 9.6 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 53.966 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

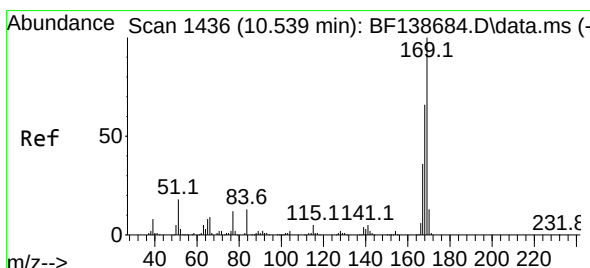
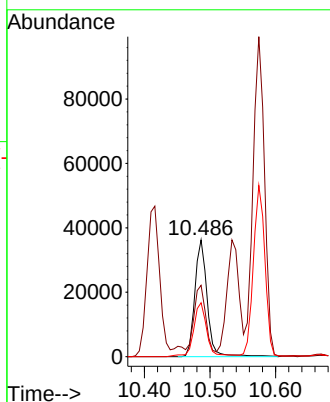
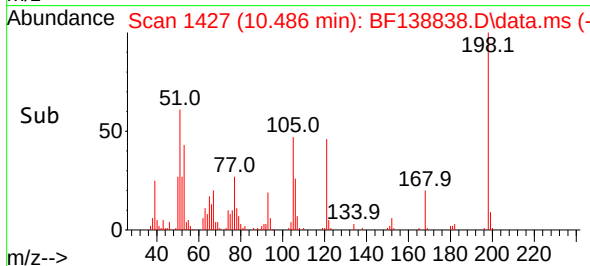
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:198 Resp: 47552
Ion Ratio Lower Upper
198 100
51 61.1 39.9 79.9
105 46.1 26.1 66.1

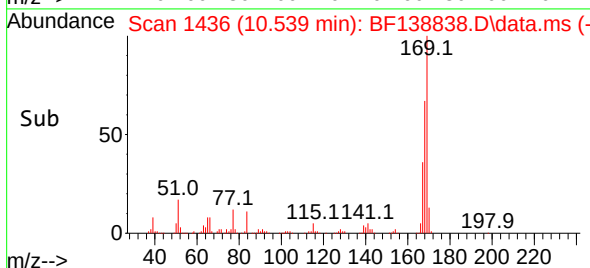
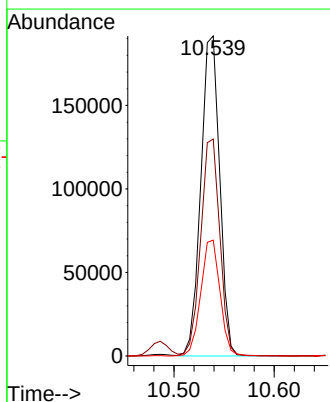
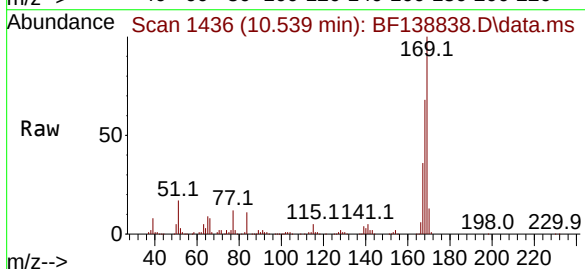
Manual Integrations
APPROVED

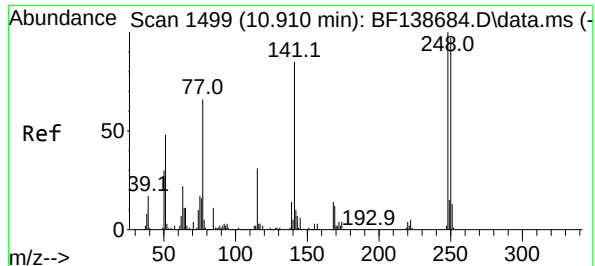
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#66
n-Nitrosodiphenylamine
Concen: 55.562 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

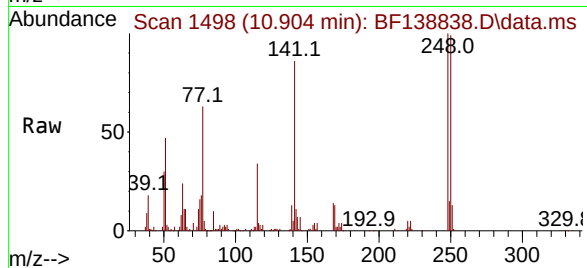
Tgt Ion:169 Resp: 250835
Ion Ratio Lower Upper
169 100
168 67.8 53.0 79.6
167 36.2 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 53.925 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

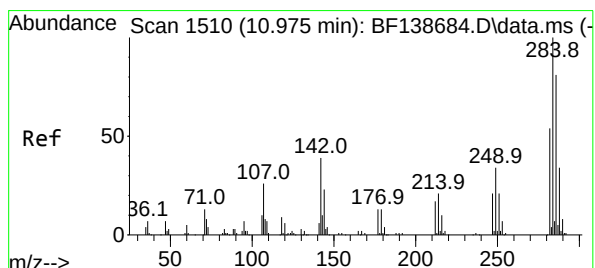
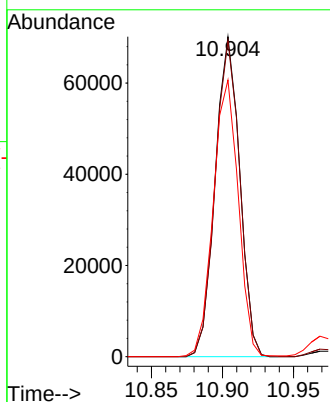
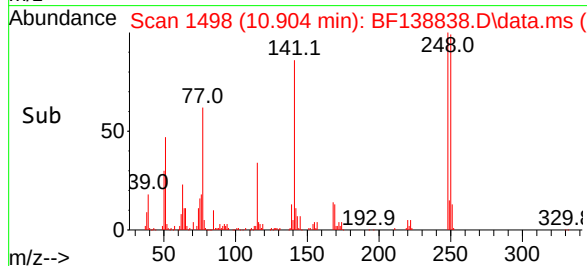
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:248 Resp: 8432
Ion Ratio Lower Upper
248 100
250 98.7 77.7 116.5
141 86.5 68.0 102.0

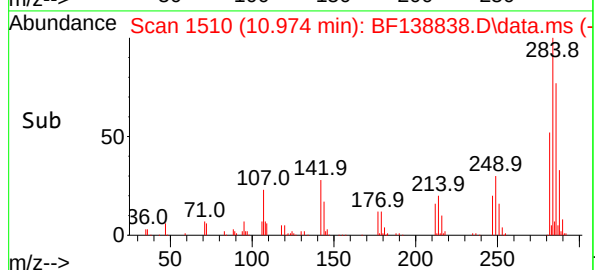
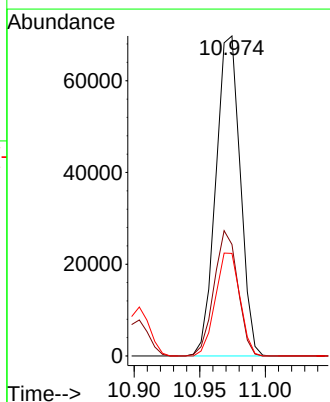
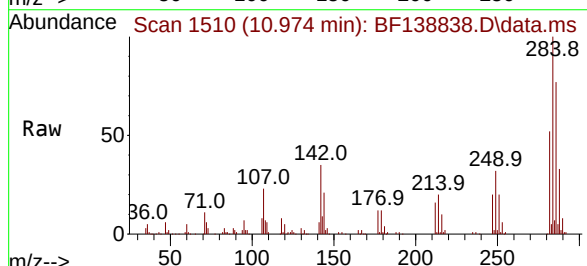
Manual Integrations
APPROVED

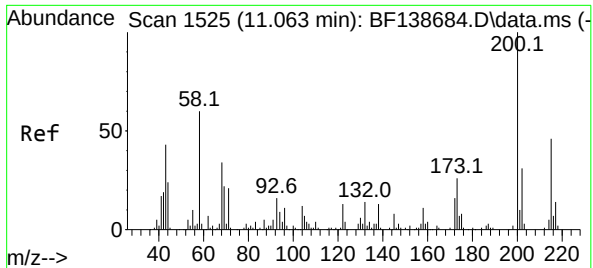
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#68
Hexachlorobenzene
Concen: 55.798 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:284 Resp: 90088
Ion Ratio Lower Upper
284 100
142 34.9 31.3 46.9
249 32.1 27.2 40.8





#69

Atrazine

Concen: 58.993 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

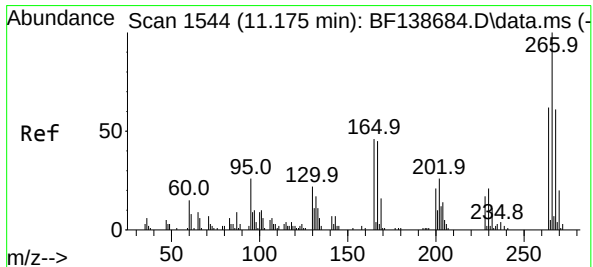
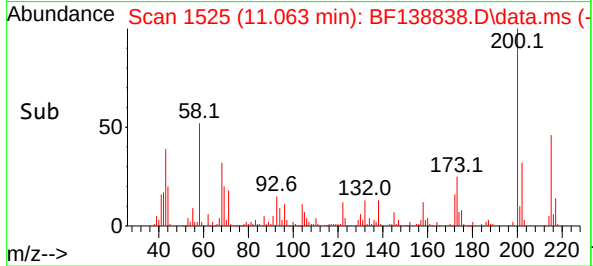
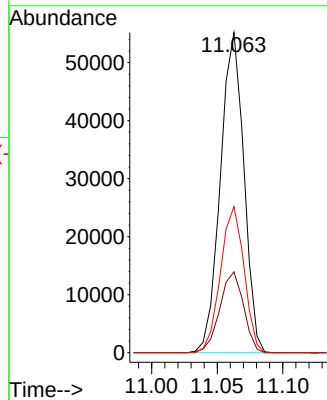
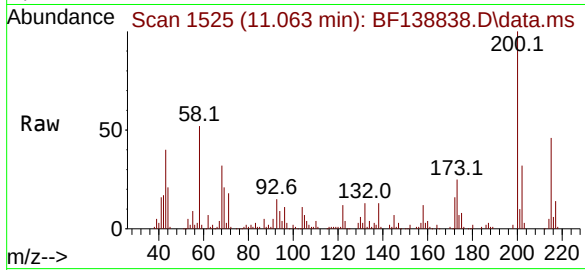
Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.3	6.0	46.0
215	45.6	26.1	66.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#70

Pentachlorophenol

Concen: 79.742 ng

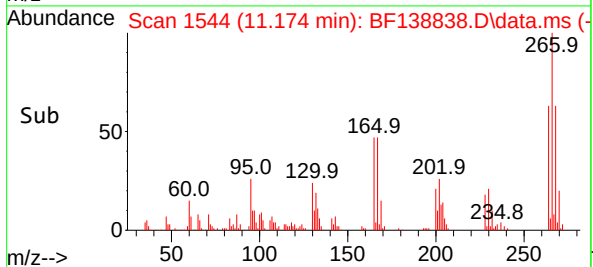
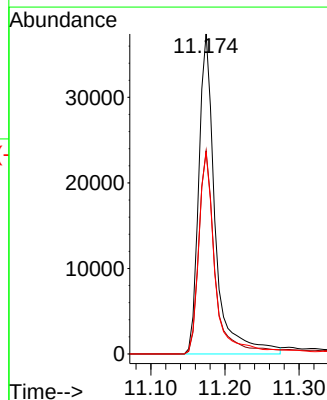
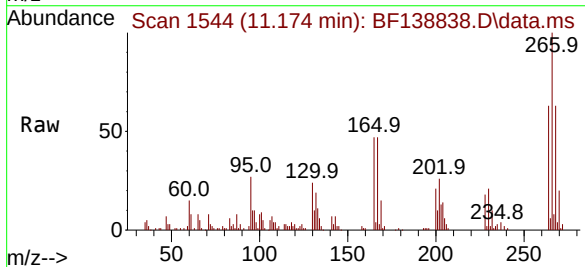
RT: 11.174 min Scan# 1544

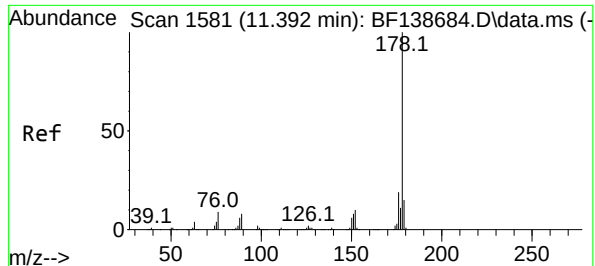
Delta R.T. -0.001 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.2	73.8
264	63.0	49.8	74.6





#71

Phenanthrene

Concen: 54.485 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:178 Resp: 405199

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

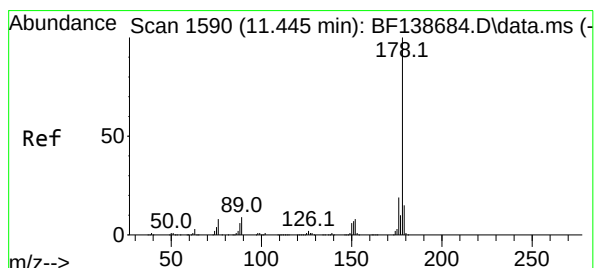
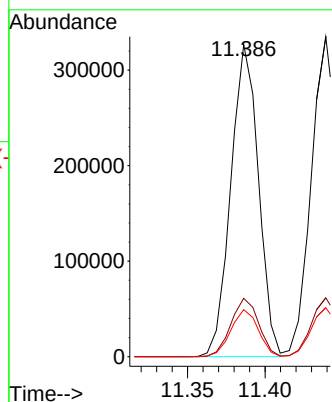
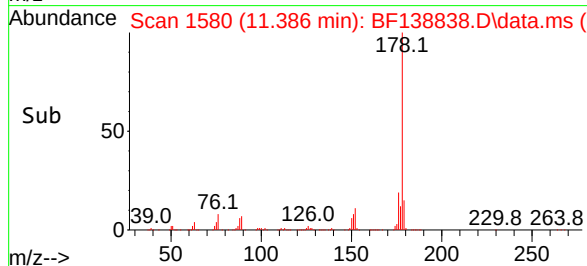
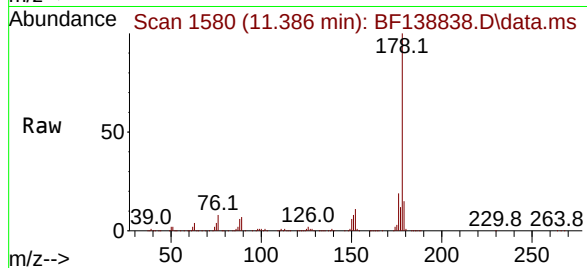
179 15.1 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#72

Anthracene

Concen: 56.316 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

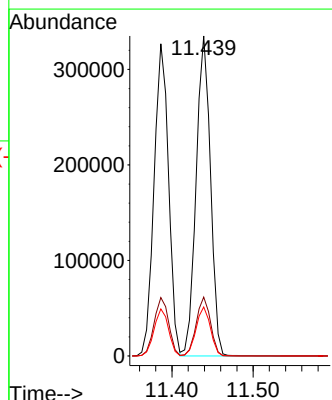
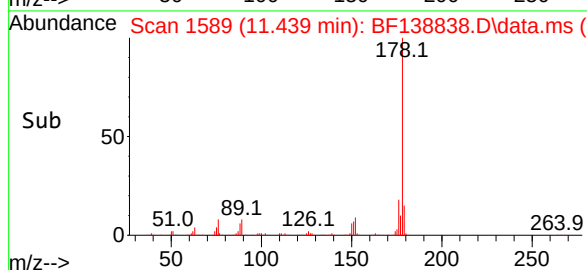
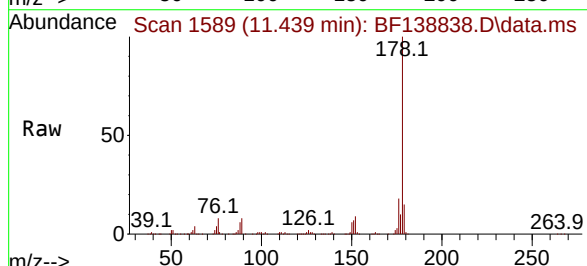
Tgt Ion:178 Resp: 412595

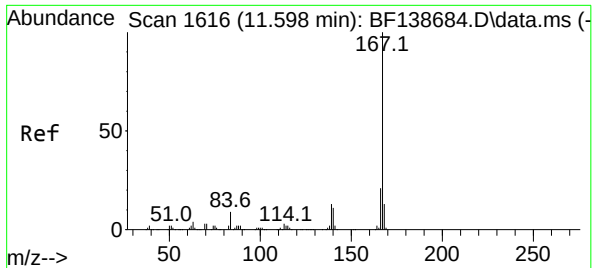
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

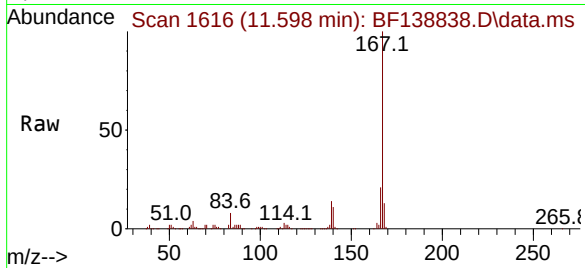
179 15.3 12.4 18.6





#73
Carbazole
Concen: 50.661 ng
RT: 11.598 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

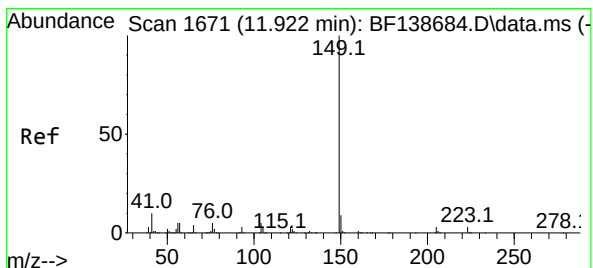
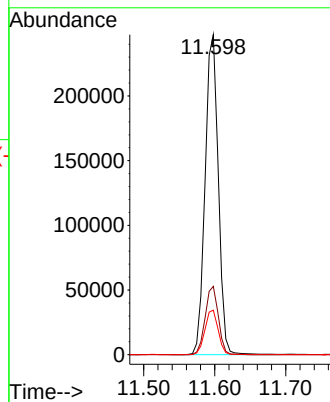
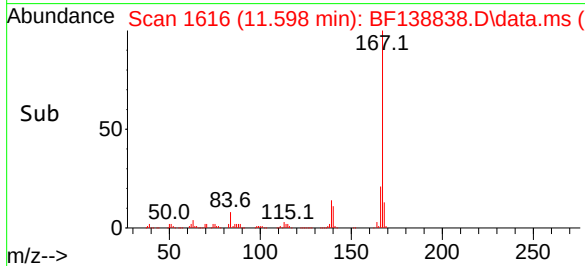
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



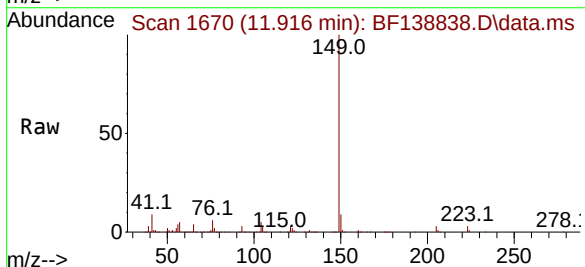
Tgt Ion:167 Resp: 320223
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 13.9 10.6 16.0

Manual Integrations
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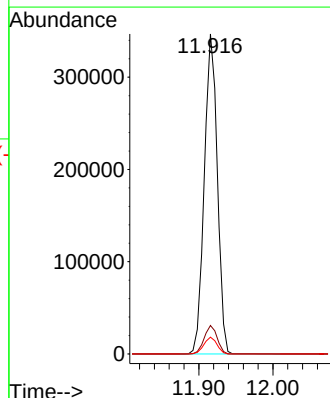
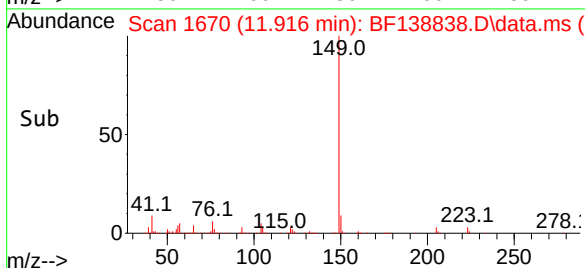
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

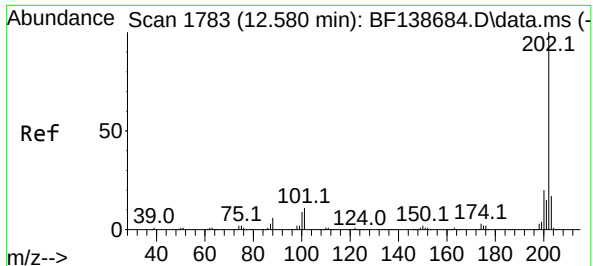


#74
Di-n-butylphthalate
Concen: 59.615 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04



Tgt Ion:149 Resp: 423606
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 50.150 ng

RT: 12.574 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138838.D

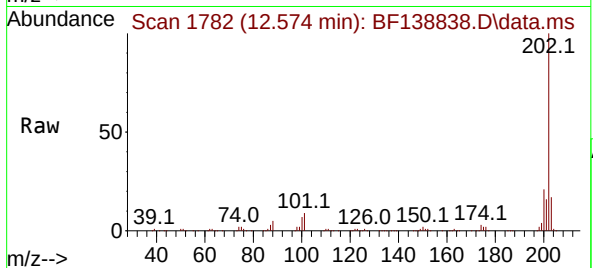
Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS



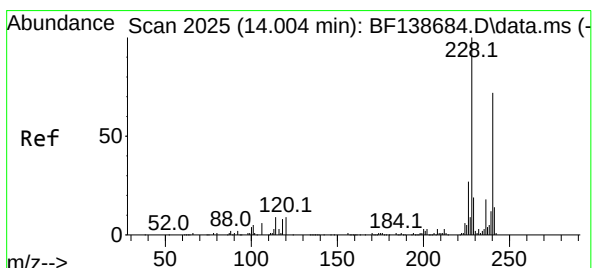
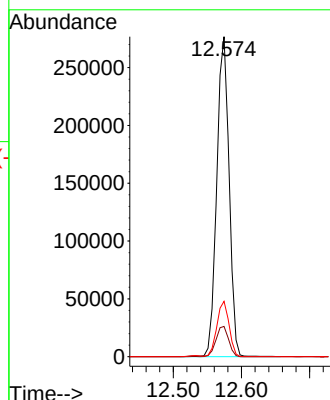
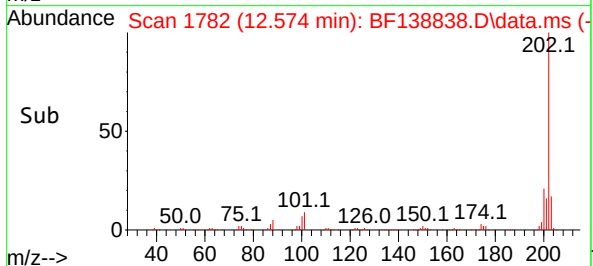
Tgt Ion:	202	Resp:	34818
Ion Ratio	100	Lower	Upper
202	100		
101	9.5	0.0	31.2
203	17.3	0.0	37.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#76

Chrysene-d12

Concen: 20.000 ng

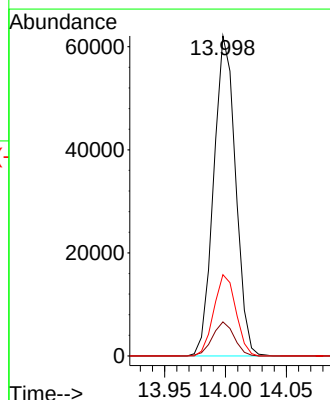
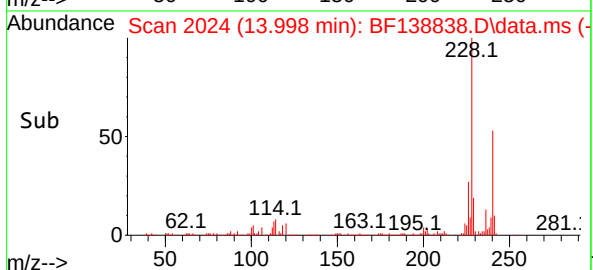
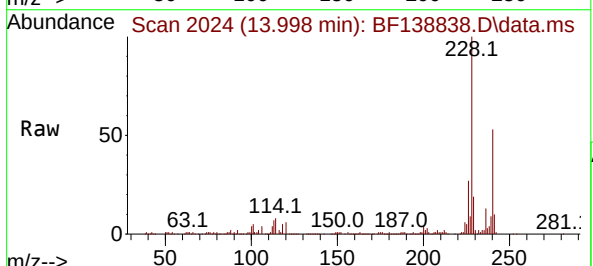
RT: 13.998 min Scan# 2024

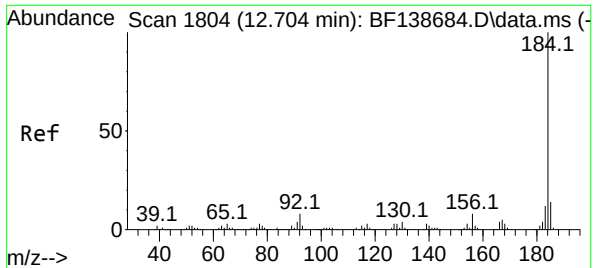
Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

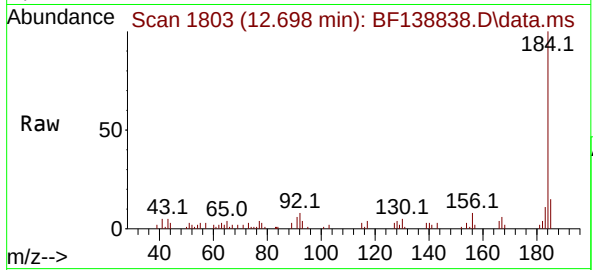
Tgt Ion:	240	Resp:	77825
Ion Ratio	100	Lower	Upper
240	100		
120	10.6	10.2	15.4
236	25.4	19.8	29.8





#77
Benzidine
Concen: 10.004 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

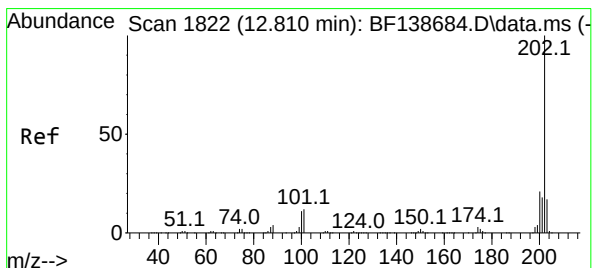
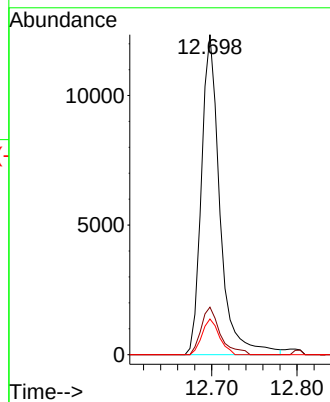
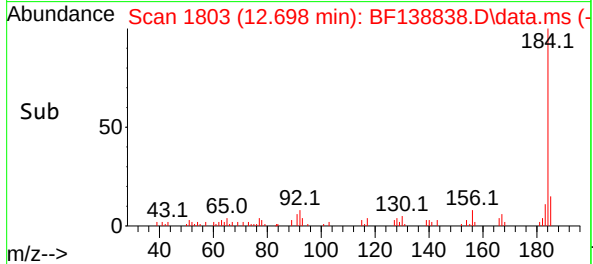
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:184 Resp: 1862
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 11.2 9.6 14.4

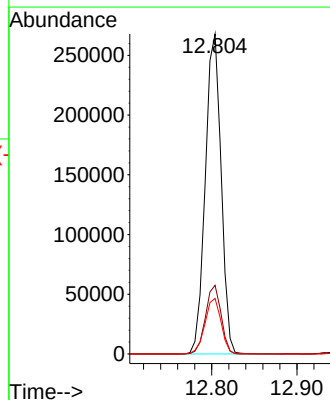
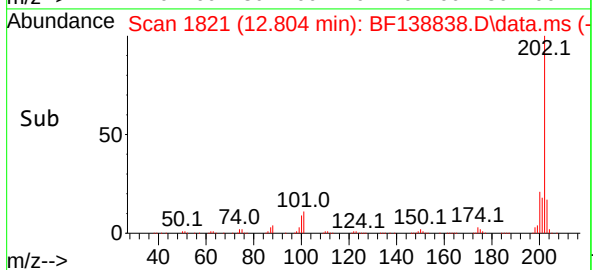
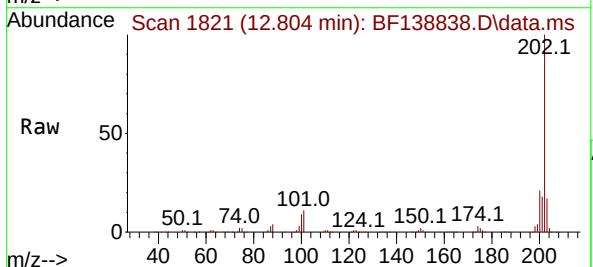
Manual Integrations
APPROVED

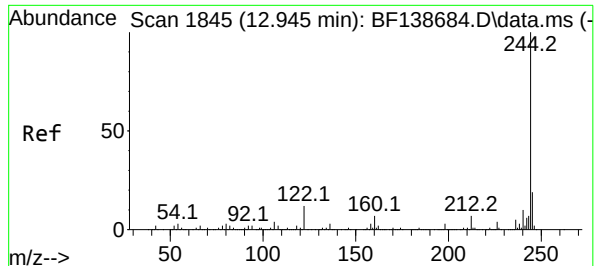
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#78
Pyrene
Concen: 47.141 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:202 Resp: 345423
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 106.558 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

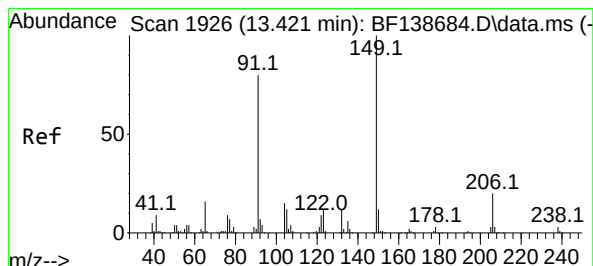
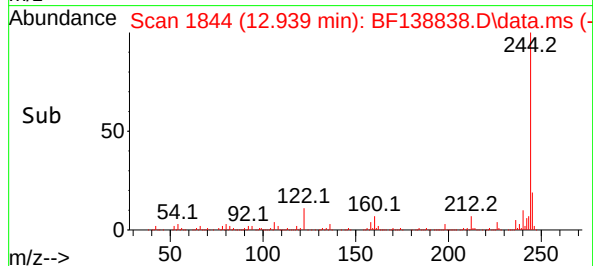
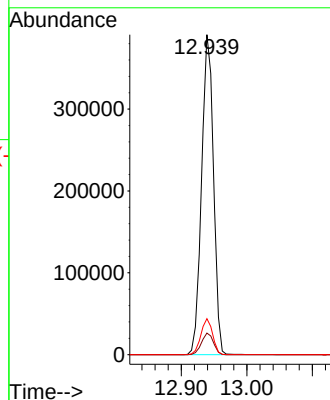
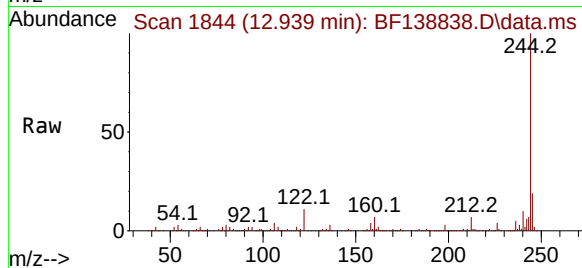
923-K1-WS-080124MS

Tgt Ion:244	Resp: 495314
Ion Ratio	Lower Upper
244 100	
212 6.7	5.4 8.2
122 11.2	9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#80

Butylbenzylphthalate

Concen: 57.239 ng

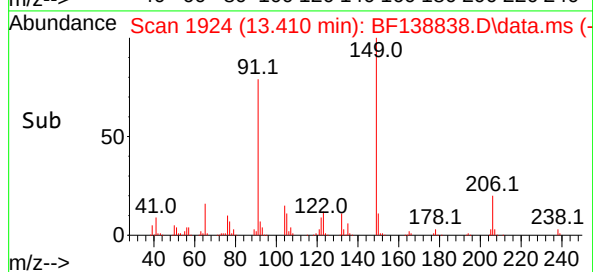
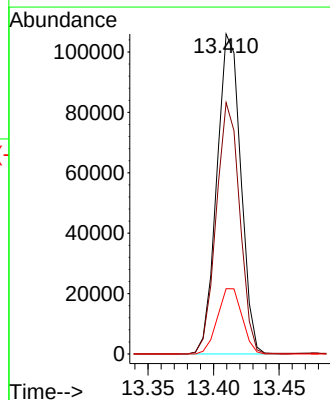
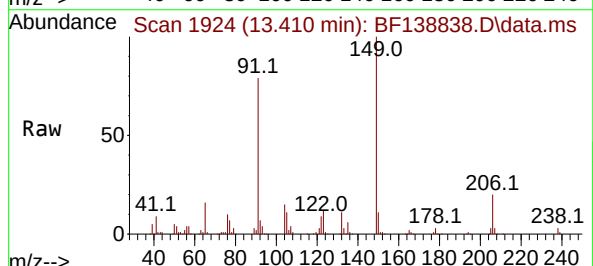
RT: 13.410 min Scan# 1924

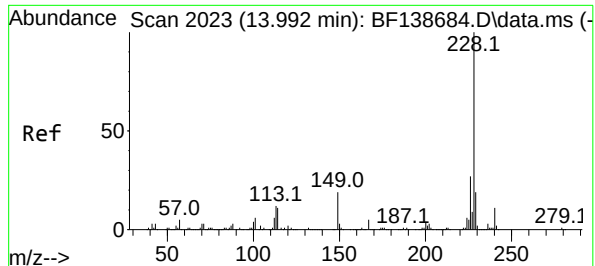
Delta R.T. -0.012 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

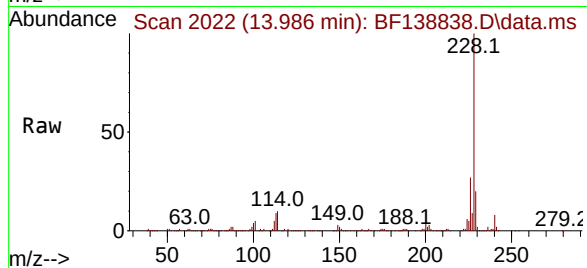
Tgt Ion:149	Resp: 134308
Ion Ratio	Lower Upper
149 100	
91 78.5	63.7 95.5
206 20.4	16.2 24.2





#81
Benzo(a)anthracene
Concen: 54.382 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

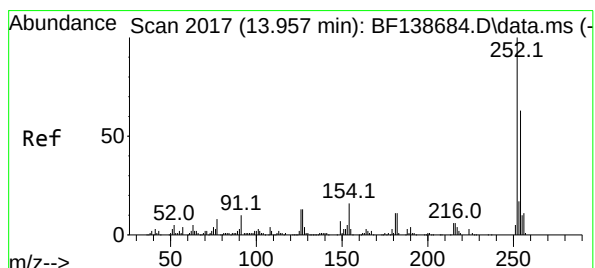
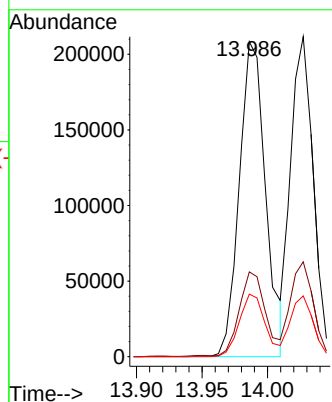
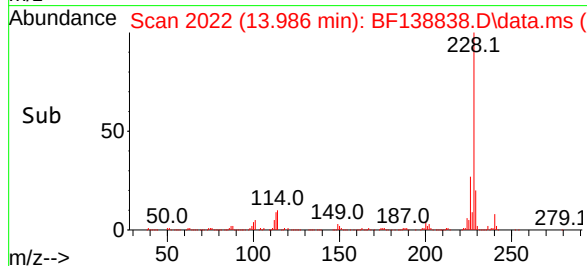
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



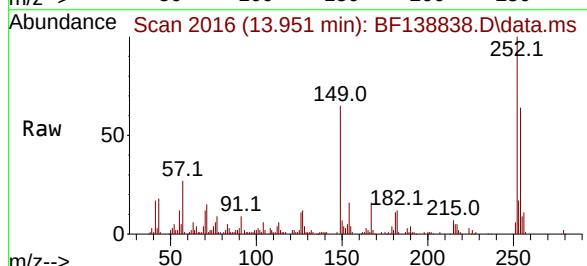
Tgt Ion:228 Resp: 29144
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 19.9 15.4 23.0

Manual Integrations
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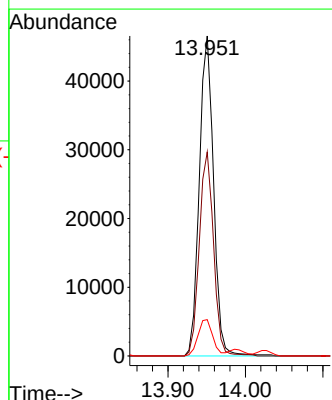
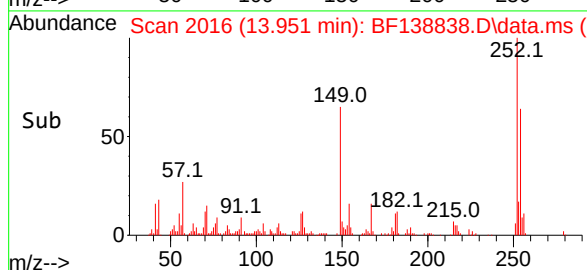
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

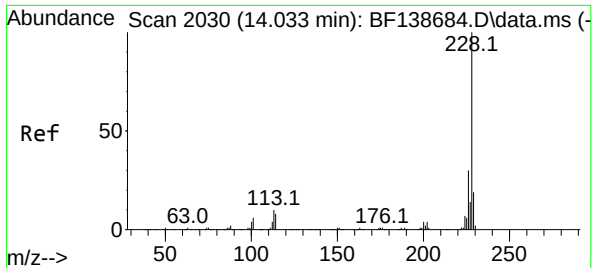


#82
3,3'-Dichlorobenzidine
Concen: 43.408 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04



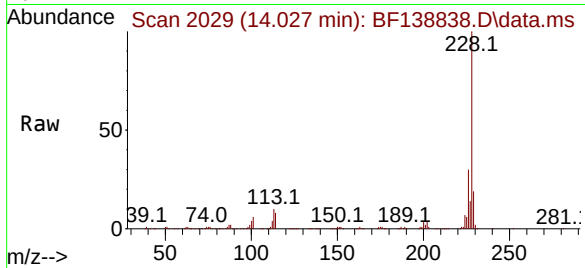
Tgt Ion:252 Resp: 59532
Ion Ratio Lower Upper
252 100
254 63.8 50.8 76.2
126 11.3 10.2 15.2





#83
Chrysene
Concen: 52.303 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

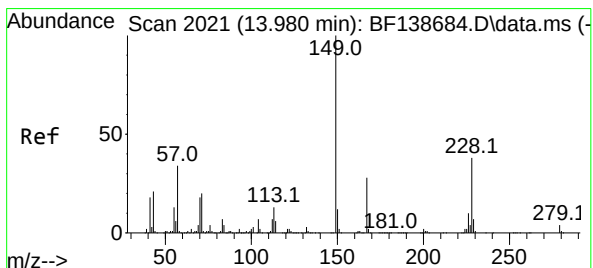
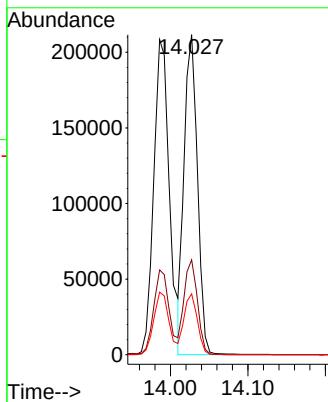
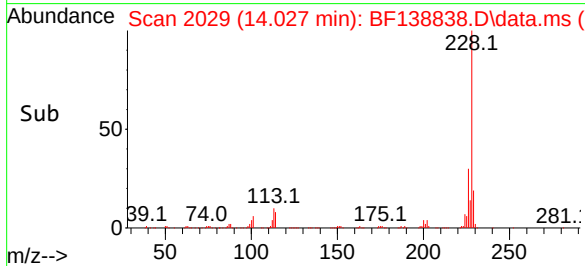
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:228 Resp: 25288
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 19.0 15.0 22.6

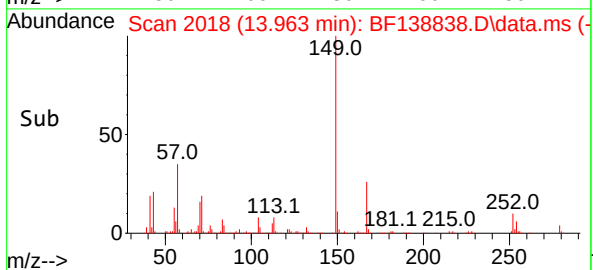
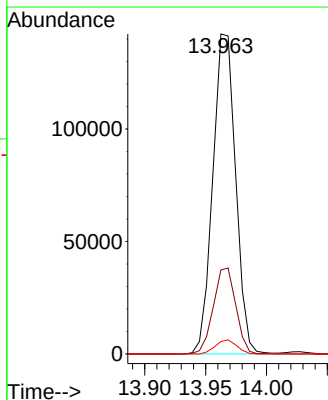
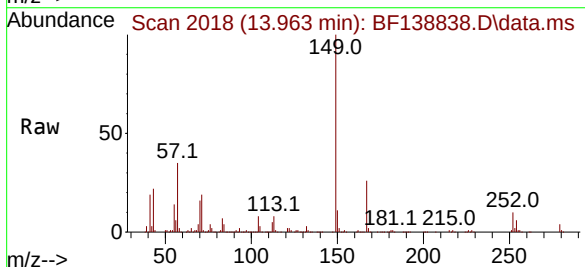
Manual Integrations
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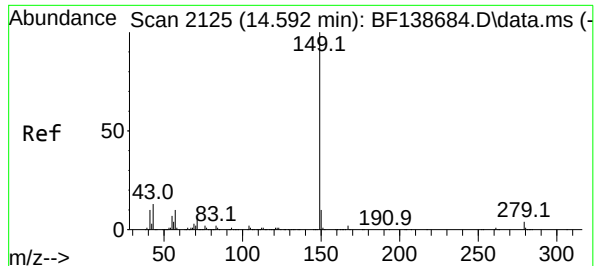
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 54.075 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:149 Resp: 185800
Ion Ratio Lower Upper
149 100
167 26.3 22.2 33.4
279 3.9 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 50.068 ng

RT: 14.580 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MS

Tgt Ion:149 Resp: 318290

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

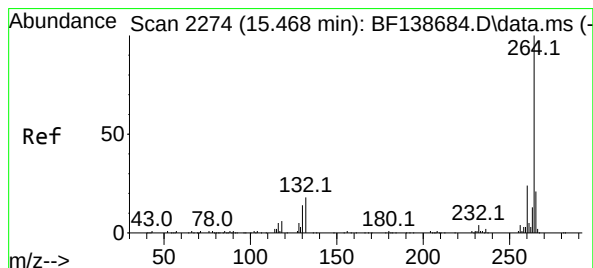
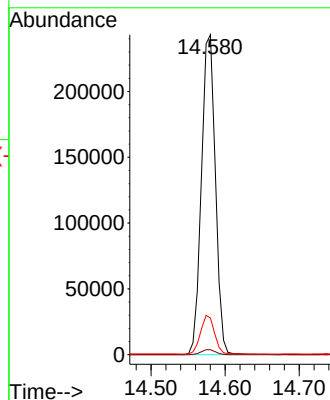
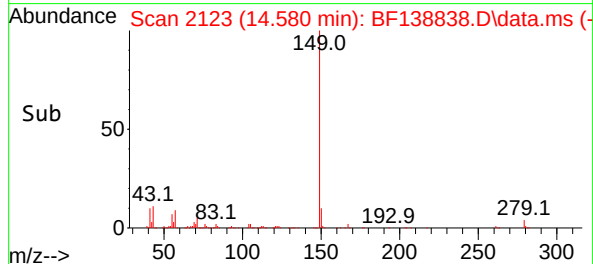
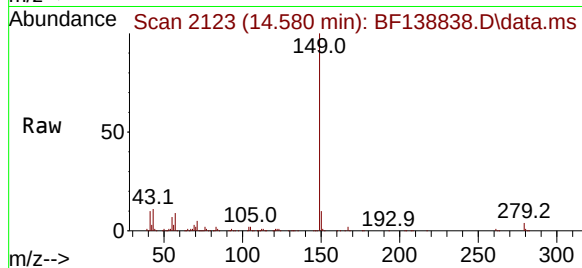
43 12.0 10.4 15.6

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/08/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

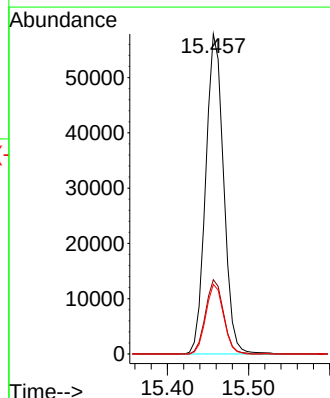
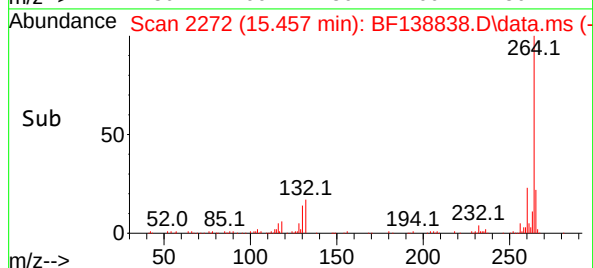
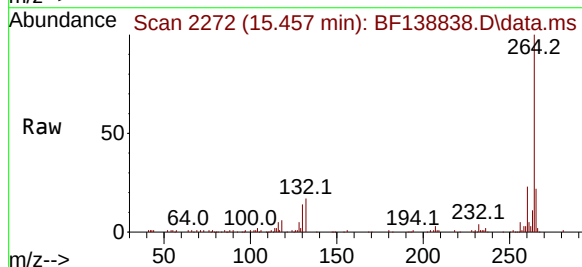
Tgt Ion:264 Resp: 88601

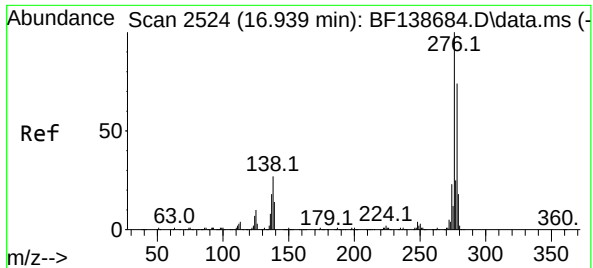
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

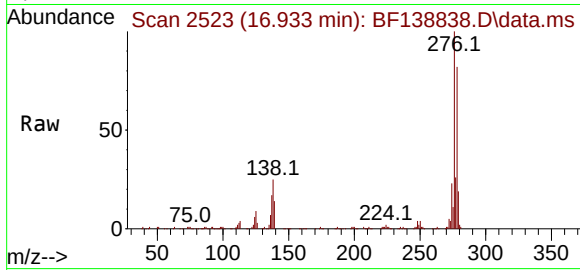
265 21.8 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.401 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

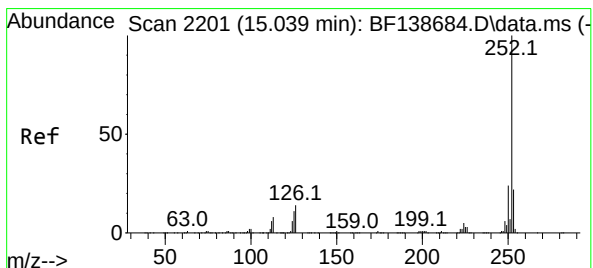
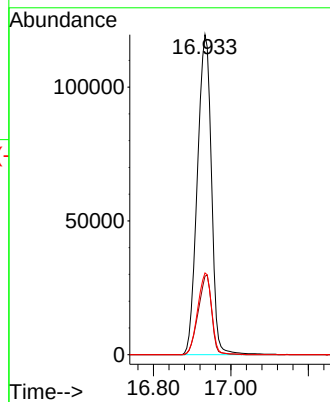
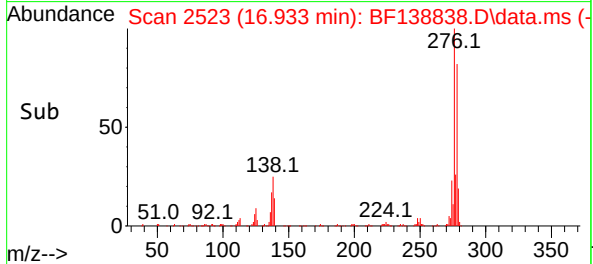
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



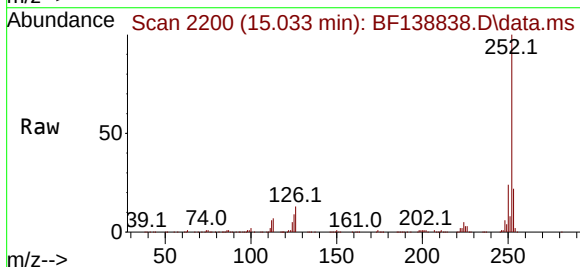
Tgt Ion: 276 Resp: 300968
Ion Ratio Lower Upper
276 100
138 23.7 21.8 32.8
277 25.3 20.6 30.8

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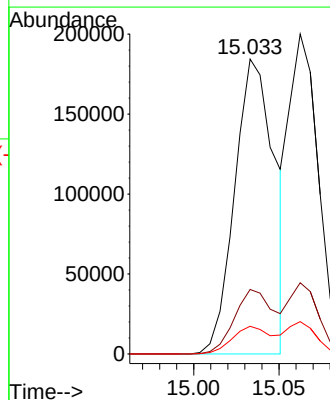
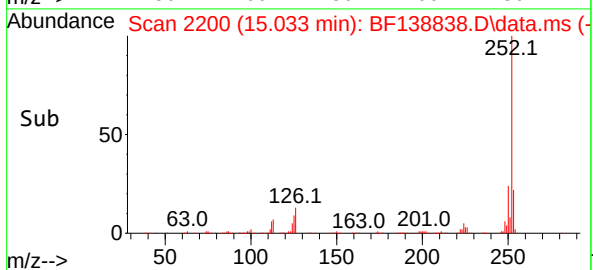
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024

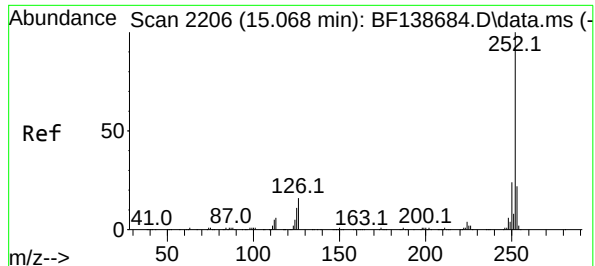


#88
Benzo(b)fluoranthene
Concen: 54.536 ng
RT: 15.033 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04



Tgt Ion: 252 Resp: 299532
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.4 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 50.971 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

Instrument :

BNA_F

ClientSampleId :

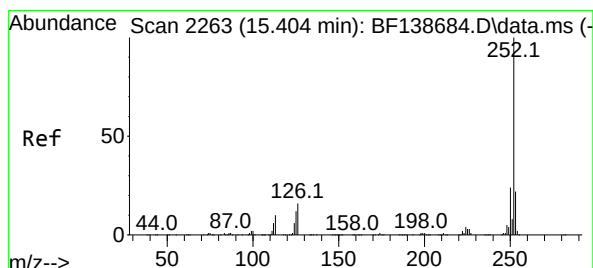
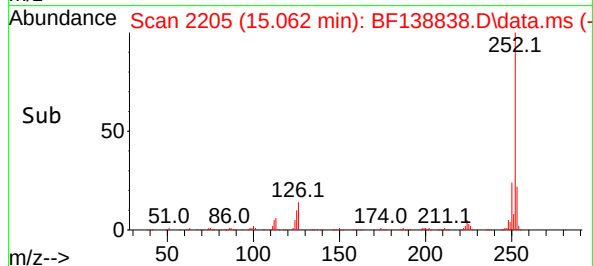
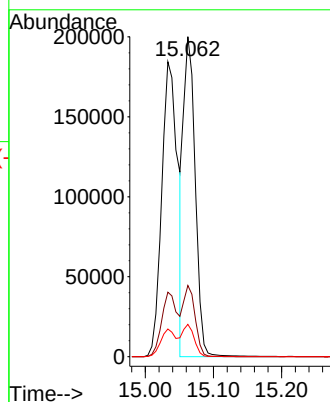
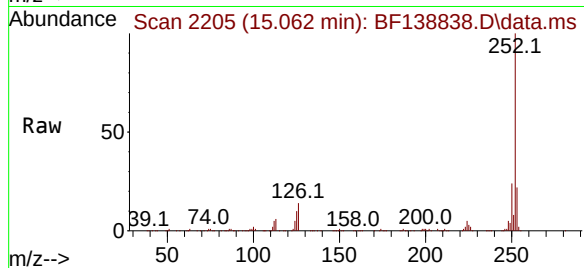
923-K1-WS-080124MS

Tgt Ion:252 Resp: 242390
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.1 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#90

Benzo(a)pyrene

Concen: 55.844 ng

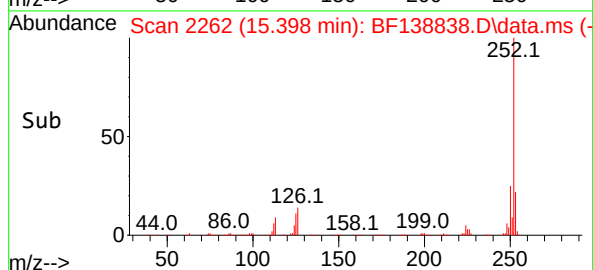
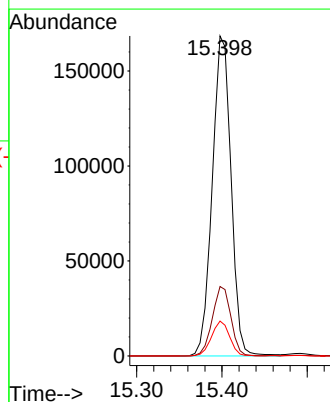
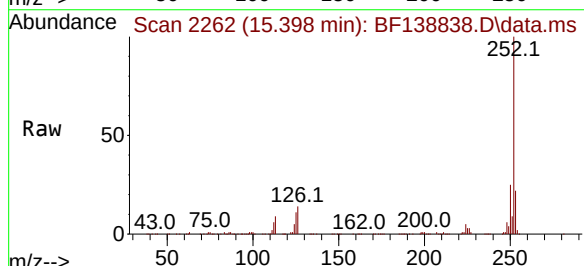
RT: 15.398 min Scan# 2262

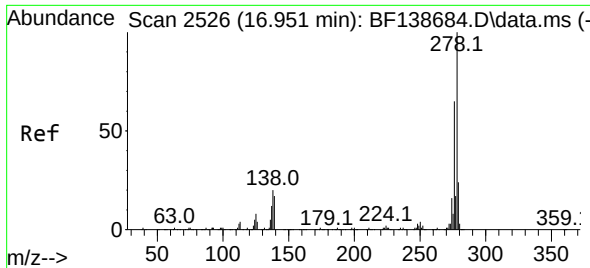
Delta R.T. -0.006 min

Lab File: BF138838.D

Acq: 07 Aug 2024 13:04

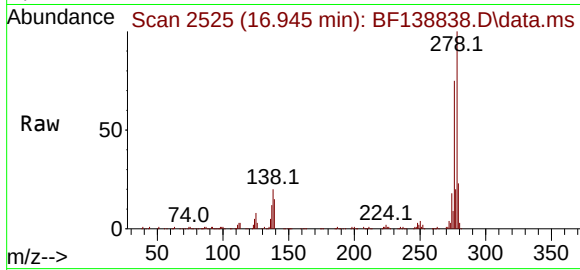
Tgt Ion:252 Resp: 257995
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 10.9 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 46.283 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

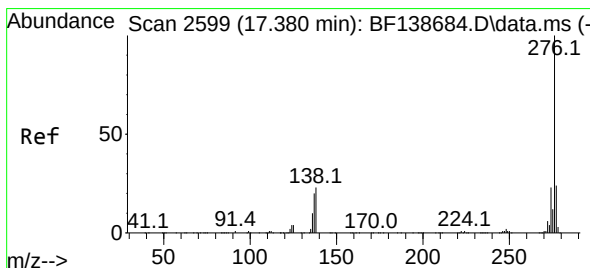
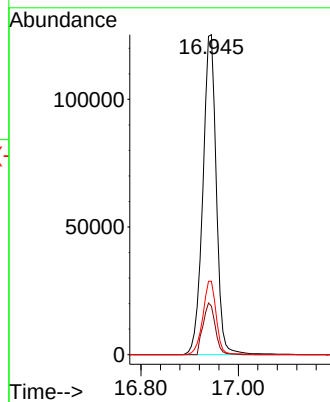
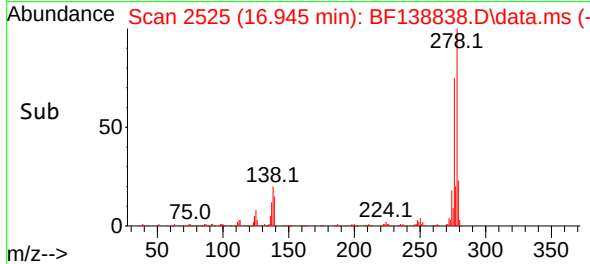
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MS



Tgt Ion:278 Resp: 241234
Ion Ratio Lower Upper
278 100
139 15.2 14.0 21.0
279 23.0 19.0 28.4

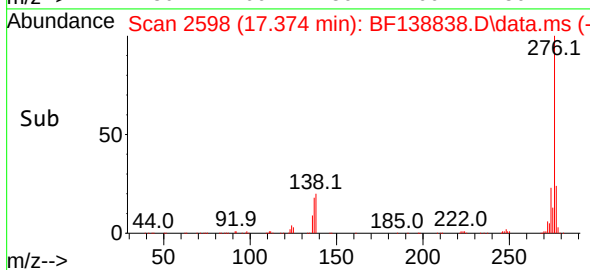
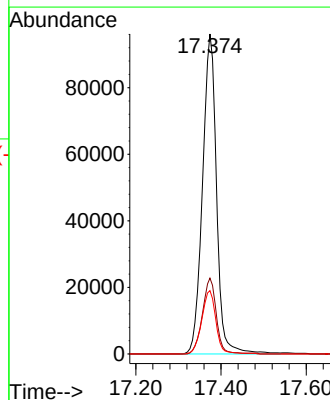
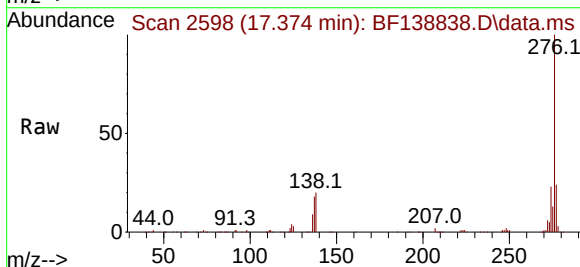
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/08/2024



#92
Benzo(g,h,i)perylene
Concen: 40.698 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138838.D
Acq: 07 Aug 2024 13:04

Tgt Ion:276 Resp: 220118
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 19.8 18.5 27.7



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	923-K1-WS-080124MSD	SDG No.:	P3440
Lab Sample ID:	P3440-03MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 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
BF138839.D	1	08/02/24 09:23	08/07/24 13:35	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	19.6		1.70	5.50	ug/L
100-52-7	Benzaldehyde	4.40	U	4.40	11.0	ug/L
95-48-7	2-Methylphenol	38.2		1.20	5.50	ug/L
98-86-2	Acetophenone	54.9		1.20	5.50	ug/L
65794-96-9	3+4-Methylphenols	35.2		1.30	11.0	ug/L
98-95-3	Nitrobenzene	53.8		1.40	5.50	ug/L
120-83-2	2,4-Dichlorophenol	55.5		0.97	5.50	ug/L
91-20-3	Naphthalene	52.9		1.10	5.50	ug/L
87-68-3	Hexachlorobutadiene	48.7		1.40	5.50	ug/L
91-57-6	2-Methylnaphthalene	56.0		1.20	5.50	ug/L
88-06-2	2,4,6-Trichlorophenol	60.6		0.98	5.50	ug/L
95-95-4	2,4,5-Trichlorophenol	58.0		1.10	5.50	ug/L
208-96-8	Acenaphthylene	66.1		1.10	5.50	ug/L
83-32-9	Acenaphthene	59.8		0.89	5.50	ug/L
132-64-9	Dibenzofuran	63.1		1.00	5.50	ug/L
86-73-7	Fluorene	62.4		1.10	5.50	ug/L
118-74-1	Hexachlorobenzene	61.8		1.30	5.50	ug/L
87-86-5	Pentachlorophenol	95.8	E	2.00	11.0	ug/L
85-01-8	Phenanthrene	62.7		0.98	5.50	ug/L
86-74-8	Carbazole	58.9		1.30	5.50	ug/L
84-74-2	Di-n-butylphthalate	67.9		1.60	5.50	ug/L
206-44-0	Fluoranthene	57.2		1.40	5.50	ug/L
129-00-0	Pyrene	54.5		1.20	5.50	ug/L
56-55-3	Benzo(a)anthracene	60.1		1.00	5.50	ug/L
218-01-9	Chrysene	61.1		0.95	5.50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	61.7		2.10	5.50	ug/L
205-99-2	Benzo(b)fluoranthene	56.7		1.30	5.50	ug/L
207-08-9	Benzo(k)fluoranthene	66.6		1.30	5.50	ug/L
50-32-8	Benzo(a)pyrene	64.5		1.80	5.50	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/01/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/01/24
Client Sample ID:	923-K1-WS-080124MSD	SDG No.:	P3440
Lab Sample ID:	P3440-03MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 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
BF138839.D	1	08/02/24 09:23	08/07/24 13:35	PB162463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	54.1		1.10	5.50	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.7		1.30	5.50	ug/L
191-24-2	Benzo(g,h,i)perylene	46.6		1.30	5.50	ug/L
123-91-1	1,4-Dioxane	20.0		1.40	5.50	ug/L
90-12-0	1-Methylnaphthalene	53.0		0.95	5.50	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	66.7		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	98.4		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		15 (32) - 110 (145)	106%	SPK: 150
1718-51-0	Terphenyl-d14	113		30 (36) - 130 (145)	113%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41600	6.839			
1146-65-2	Naphthalene-d8	164000	8.122			
15067-26-2	Acenaphthene-d10	83200	9.875			
1517-22-2	Phenanthrene-d10	134000	11.363			
1719-03-5	Chrysene-d12	71100	14.004			
1520-96-3	Perylene-d12	81100	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\BF080724\
 Data File : BF138839.D
 Acq On : 07 Aug 2024 13:35
 Operator : RC/JU
 Sample : P3440-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 923-K1-WS-080124MSD

Quant Time: Aug 07 14:07:15 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	41583	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	164057	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	83168	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	133927	20.000	ng	0.00
76) Chrysene-d12	14.004	240	71097	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	81109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	179669	66.697	ng	0.00
7) Phenol-d6	6.481	99	145536	40.240	ng	0.00
23) Nitrobenzene-d5	7.410	82	330272	98.426	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	108297	158.966	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	586096	105.883	ng	0.00
79) Terphenyl-d14	12.945	244	478797	112.752	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.651	88	21424	18.166	ng	96
3) Pyridine	3.410	79	50841	17.796	ng	95
4) n-Nitrosodimethylamine	3.357	42	41264	24.251	ng	91
6) Aniline	6.504	93	105782	32.796	ng	99
8) 2-Chlorophenol	6.634	128	120158	42.396	ng	95
9) Benzaldehyde	6.398	77	6588	3.039	ng	94
10) Phenol	6.498	94	63769	16.746	ng	# 48
11) bis(2-Chloroethyl)ether	6.575	93	136015	46.416	ng	99
12) 1,3-Dichlorobenzene	6.781	146	127162	40.082	ng	99
13) 1,4-Dichlorobenzene	6.857	146	127547	39.838	ng	99
14) 1,2-Dichlorobenzene	7.010	146	121572	40.630	ng	98
15) Benzyl Alcohol	6.986	79	95542	36.652	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	222124	44.046	ng	70
17) 2-Methylphenol	7.104	107	81343	34.757	ng	# 85
18) Hexachloroethane	7.345	117	46085	38.239	ng	99
19) n-Nitroso-di-n-propyla...	7.257	70	113449	51.935	ng	98
20) 3+4-Methylphenols	7.257	107	96161	32.025	ng	# 85
22) Acetophenone	7.251	105	200572	49.932	ng	# 95
24) Nitrobenzene	7.428	77	167201	48.968	ng	99
25) Isophorone	7.663	82	299059	52.194	ng	99
26) 2-Nitrophenol	7.745	139	75969	51.714	ng	98
27) 2,4-Dimethylphenol	7.781	122	88642	50.432	ng	96
28) bis(2-Chloroethoxy)met...	7.875	93	176352	50.542	ng	99
29) 2,4-Dichlorophenol	7.986	162	114115	50.526	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	120501	46.232	ng	99
31) Naphthalene	8.145	128	415362	48.100	ng	99
32) Benzoic acid	7.898	122	14814	10.722	ng	87
33) 4-Chloroaniline	8.198	127	95409	32.914	ng	98
34) Hexachlorobutadiene	8.257	225	69903	44.279	ng	96
35) Caprolactam	8.580	113	6252	9.277	ng	# 86
36) 4-Chloro-3-methylphenol	8.680	107	122117	47.310	ng	98
37) 2-Methylnaphthalene	8.833	142	277705	50.920	ng	100
38) 1-Methylnaphthalene	8.933	142	257582	48.199	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	118962	51.492	ng	99
41) Hexachlorocyclopentadiene	8.980	237	76148	120.649	ng	98
43) 2,4,6-Trichlorophenol	9.116	196	77726	55.179	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080724\
 Data File : BF138839.D
 Acq On : 07 Aug 2024 13:35
 Operator : RC/JU
 Sample : P3440-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 923-K1-WS-080124MSD

Quant Time: Aug 07 14:07:15 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	81323	52.810	ng	99
46) 1,1'-Biphenyl	9.298	154	333978	51.274	ng	99
47) 2-Chloronaphthalene	9.327	162	260047	53.680	ng	99
48) 2-Nitroaniline	9.427	65	91938	55.981	ng	99
49) Acenaphthylene	9.739	152	413163	60.134	ng	100
50) Dimethylphthalate	9.604	163	313585	58.968	ng	100
51) 2,6-Dinitrotoluene	9.669	165	67384	56.147	ng	91
52) Acenaphthene	9.910	154	251158	54.379	ng	100
53) 3-Nitroaniline	9.839	138	42552	34.297	ng	98
54) 2,4-Dinitrophenol	9.957	184	55578	100.600	ng	92
55) Dibenzofuran	10.086	168	374566	57.451	ng	99
56) 4-Nitrophenol	10.022	139	17830	23.898	ng	# 82
57) 2,4-Dinitrotoluene	10.075	165	89249	58.287	ng	# 90
58) Fluorene	10.427	166	294609	56.744	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	63893	54.271	ng	97
60) Diethylphthalate	10.298	149	303474	60.186	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	146272	57.284	ng	97
62) 4-Nitroaniline	10.457	138	56412	47.846	ng	89
63) Azobenzene	10.574	77	311041	55.619	ng	98
65) 4,6-Dinitro-2-methylph...	10.486	198	45598	55.807	ng	99
66) n-Nitrosodiphenylamine	10.539	169	245705	58.693	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	81341	56.097	ng	97
68) Hexachlorobenzene	10.974	284	84189	56.233	ng	97
69) Atrazine	11.063	200	68467	63.392	ng	98
70) Pentachlorophenol	11.174	266	58805	87.141	ng	99
71) Phenanthrene	11.392	178	393591	57.074	ng	99
72) Anthracene	11.439	178	400214	58.910	ng	100
73) Carbazole	11.598	167	314185	53.604	ng	99
74) Di-n-butylphthalate	11.916	149	407424	61.834	ng	99
75) Fluoranthene	12.574	202	335130	52.055	ng	99
77) Benzidine	12.698	184	23256	13.676	ng	99
78) Pyrene	12.804	202	331815	49.569	ng	100
80) Butylbenzylphthalate	13.415	149	129121	60.235	ng	96
81) Benzo(a)anthracene	13.992	228	267693	54.677	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	57431	45.839	ng	99
83) Chrysene	14.027	228	245446	55.568	ng	98
84) Bis(2-ethylhexyl)phtha...	13.968	149	176230	56.143	ng	98
85) Di-n-octyl phthalate	14.580	149	302129	52.023	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	286143	49.228	ng	96
88) Benzo(b)fluoranthene	15.039	252	259400	51.591	ng	98
89) Benzo(k)fluoranthene	15.068	252	263997	60.643	ng	99
90) Benzo(a)pyrene	15.404	252	248185	58.683	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	228803	47.953	ng	98
92) Benzo(g,h,i)perylene	17.380	276	210118	42.437	ng	96

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

Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

TIC: BF138839.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Propyldimethylamine,

Benzaldehyde

bis(2-chlorophenyl)methanol

1,4-Dichlorobenzene-d₆

Phenyl Alcohol

2-Chlorobenzene

2-Methoxybis(1-Chloropropane)

Nitrobenzene-d₅,S

Nitrobenzene

Hexachloroethane

Isophorone

2-Nitrotoluene

bis(2-chlorophenyl)methane

2,4-Dichlorobenzene

Hexachlorobutadiene,C

Caprolactam

4-Chloro-3-methylphenol,C

2-Methylnaphthalene

2-Fluorophenol,S

2-Fluorobiphenyl,S

Acetophenone

2-Methylnaphthalene

2-Chloronaphthalene

Acenaphthylene

Acenaphthene,C

2-Bromonaphthalene

Diethylphthalate

Azobenzene

Nitrosodiphenylamine,c

Fluorene

Chlorophenyl-phenylether

Terphenyl-d14,S

Pyrene

Fluoranthene,C

Butylbenzylphthalate

3,3'-Dibenzoylbenzoic acid

Di-n-octyl phthalate,c

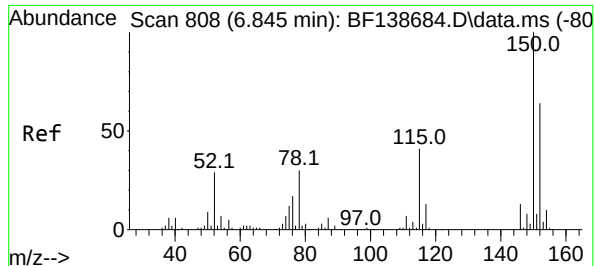
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Perylene-d12,I

Benzo(a)pyrene,C

Dibenzod(1,2-a)anthracene

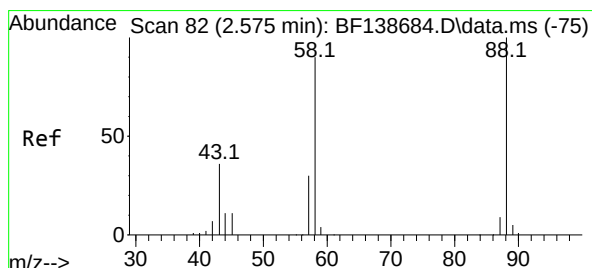
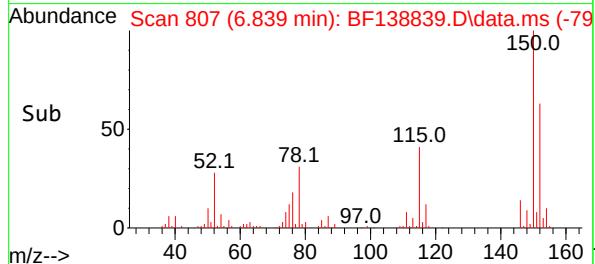
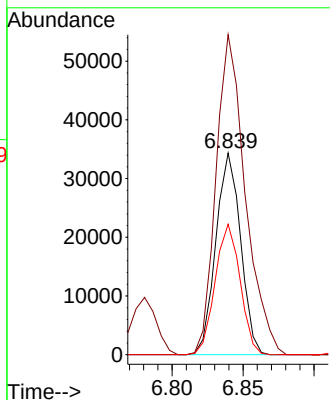
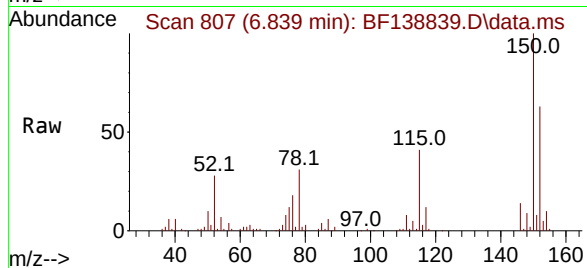
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

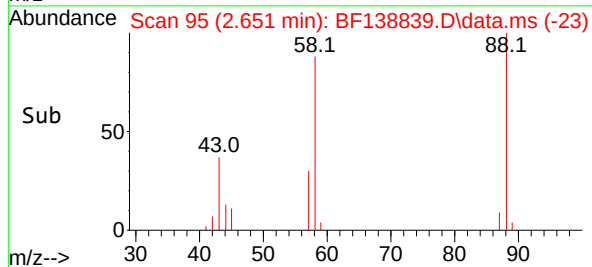
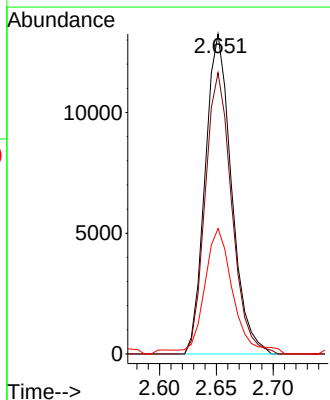
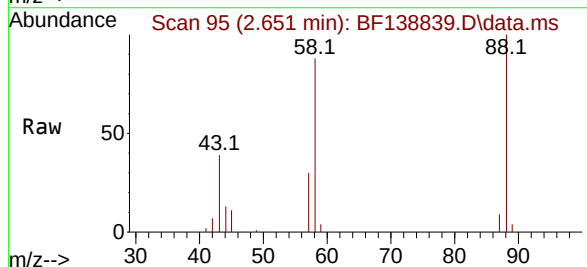
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

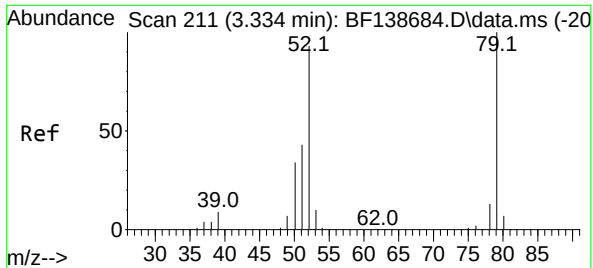
Tgt Ion:152 Resp: 41583
Ion Ratio Lower Upper
152 100
150 158.7 126.0 189.0
115 64.7 51.7 77.5



#2
1,4-Dioxane
Concen: 18.166 ng
RT: 2.651 min Scan# 95
Delta R.T. 0.076 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion: 88 Resp: 21424
Ion Ratio Lower Upper
88 100
58 88.4 71.6 107.4
43 42.9 28.7 43.1

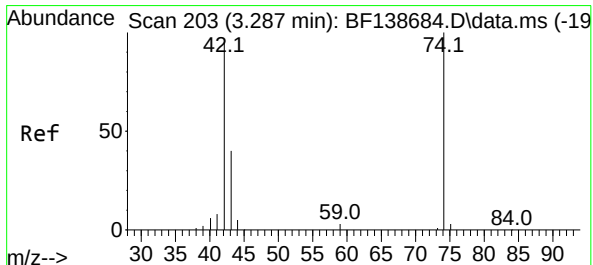
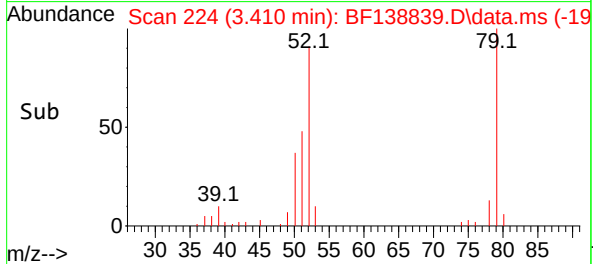
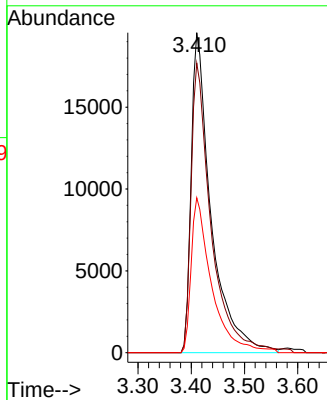
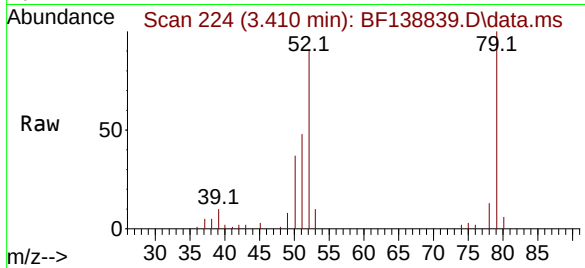




#3
Pyridine
Concen: 17.796 ng
RT: 3.410 min Scan# 211
Delta R.T. 0.076 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

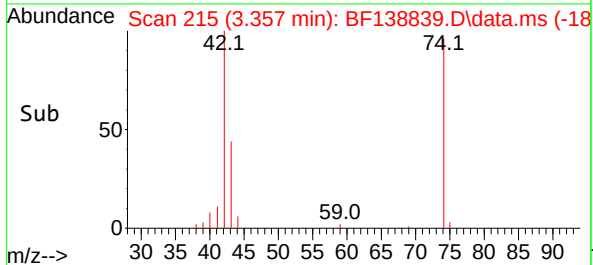
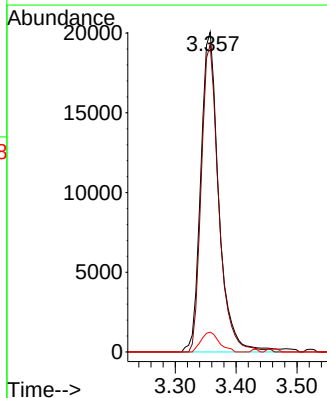
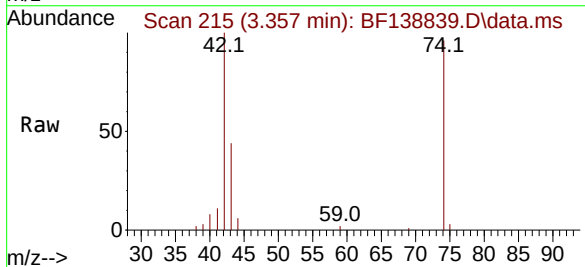
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

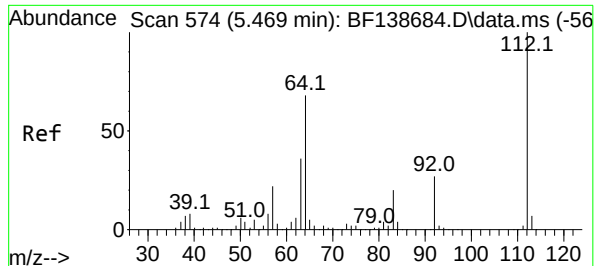
Tgt Ion: 79 Resp: 50841
Ion Ratio Lower Upper
79 100
52 90.5 74.7 112.1
51 48.4 34.6 51.8



#4
n-Nitrosodimethylamine
Concen: 24.251 ng
RT: 3.357 min Scan# 215
Delta R.T. 0.070 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion: 42 Resp: 41264
Ion Ratio Lower Upper
42 100
74 96.0 84.2 126.4
44 6.2 4.9 7.3

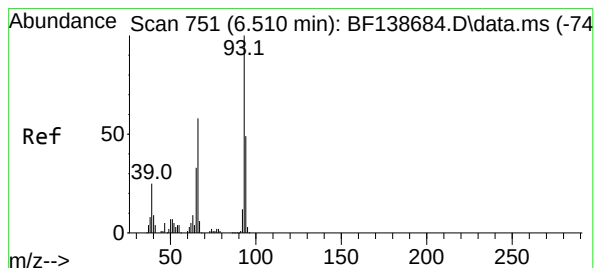
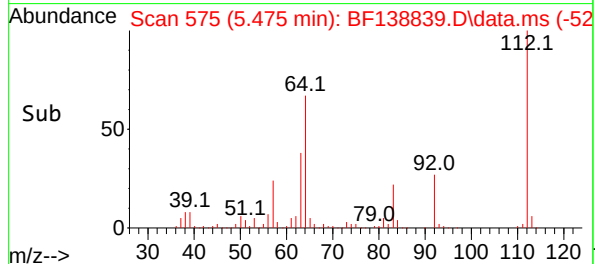
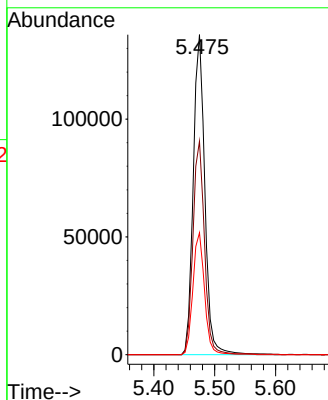
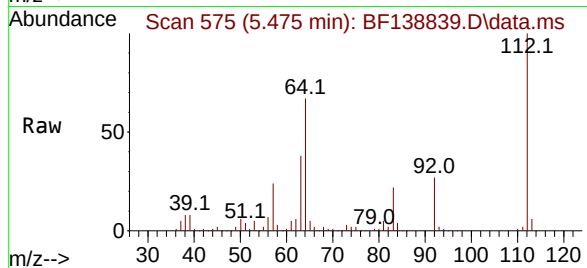




#5
2-Fluorophenol
Concen: 66.697 ng
RT: 5.475 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

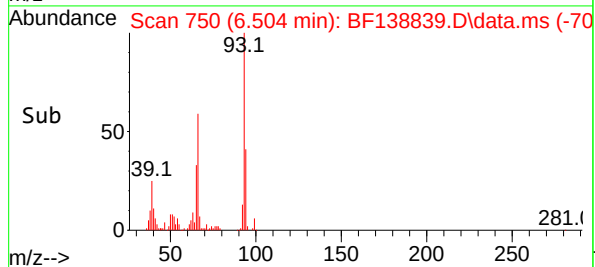
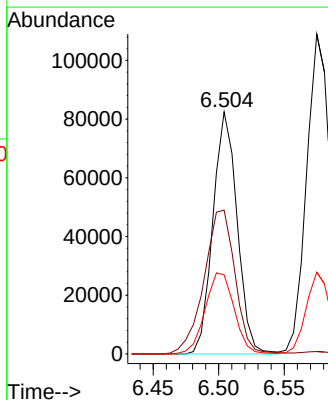
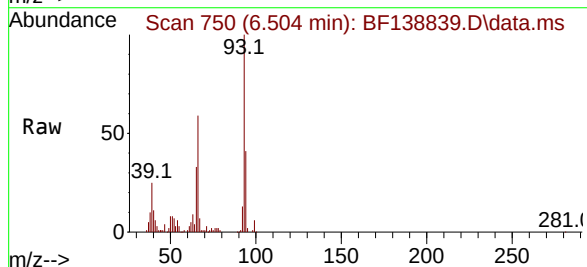
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

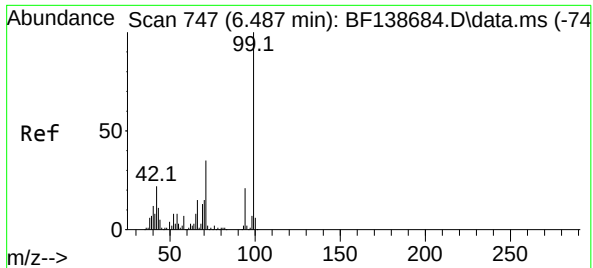
Tgt Ion:112 Resp: 179669
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.4
63 38.1 28.7 43.1



#6
Aniline
Concen: 32.796 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion: 93 Resp: 105782
Ion Ratio Lower Upper
93 100
66 59.4 46.9 70.3
65 32.7 26.5 39.7

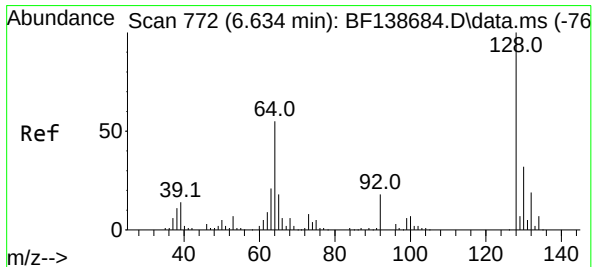
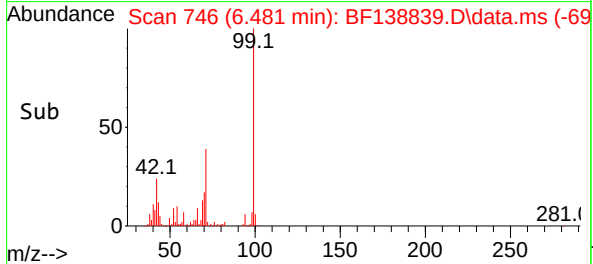
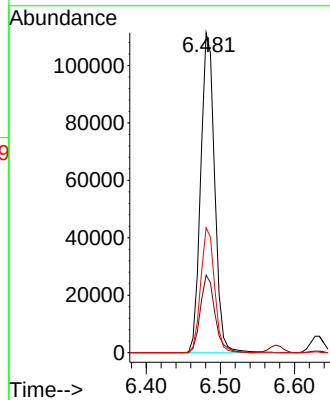
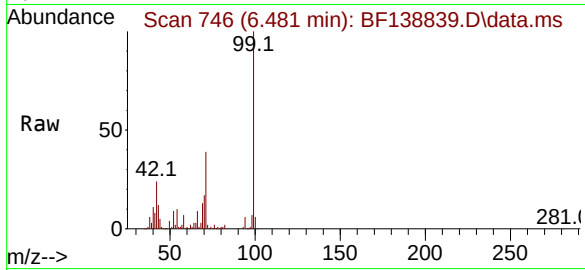




#7
Phenol-d6
Concen: 40.240 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

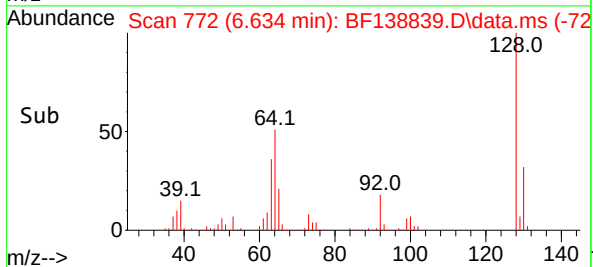
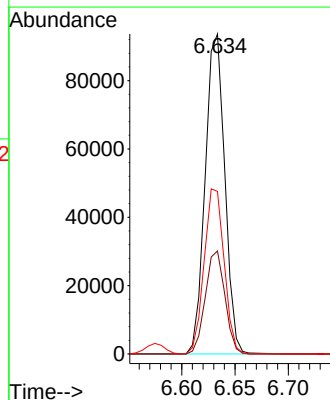
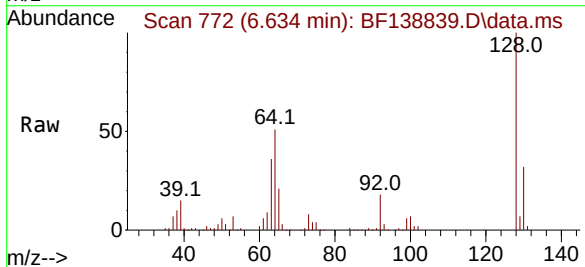
Instrument :
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ClientSampleId :
923-K1-WS-080124MSD

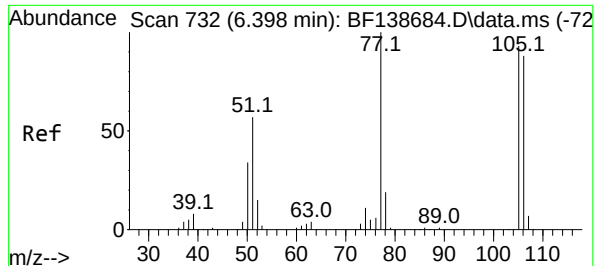
Tgt Ion: 99 Resp: 145536
Ion Ratio Lower Upper
99 100
42 24.3 17.4 26.0
71 39.1 28.1 42.1



#8
2-Chlorophenol
Concen: 42.396 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion: 128 Resp: 120158
Ion Ratio Lower Upper
128 100
130 32.2 12.0 52.0
64 50.8 36.3 76.3





#9

Benzaldehyde

Concen: 3.039 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

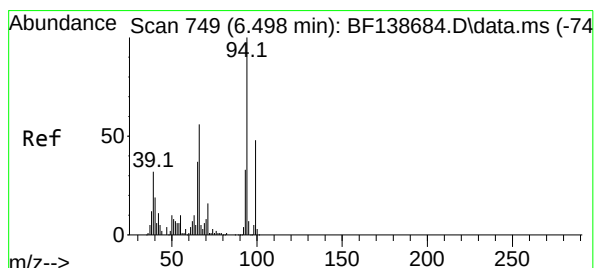
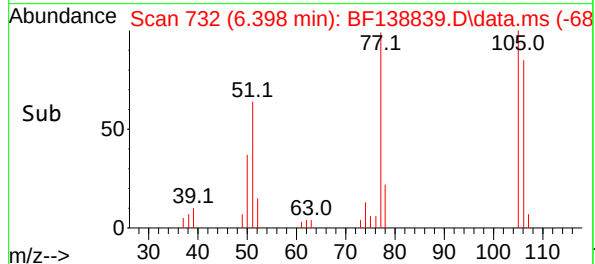
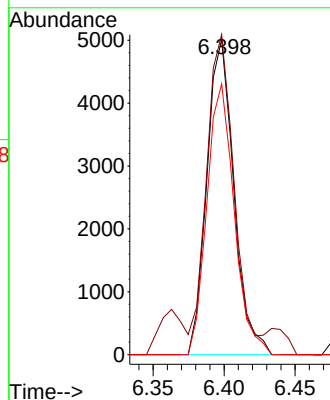
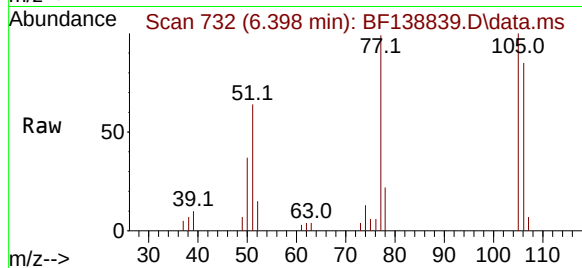
Tgt Ion: 77 Resp: 6588

Ion Ratio Lower Upper

77 100

105 101.4 72.9 112.9

106 85.8 68.4 108.4



#10

Phenol

Concen: 16.746 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

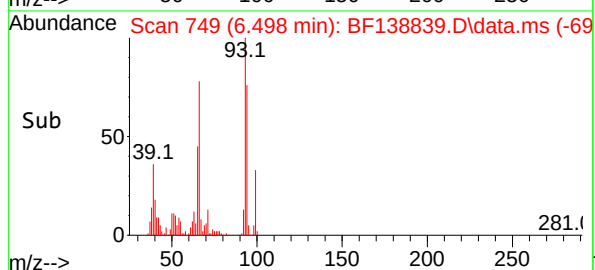
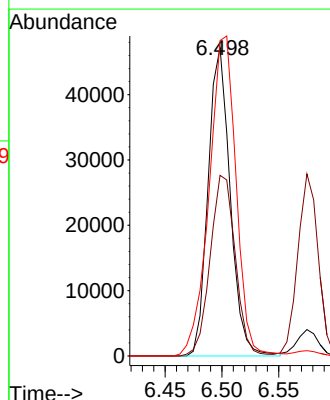
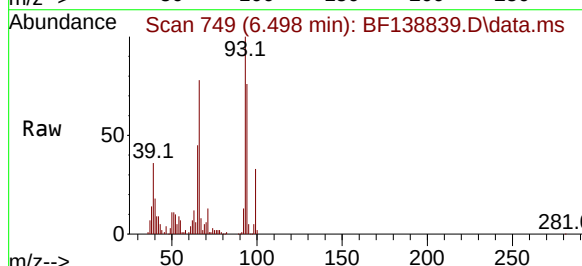
Tgt Ion: 94 Resp: 63769

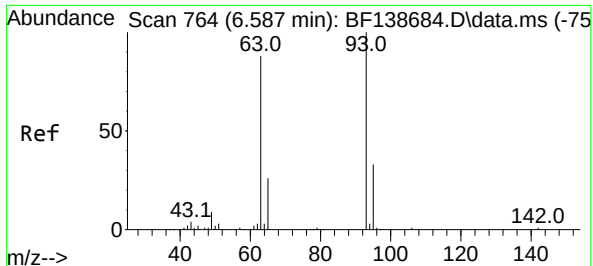
Ion Ratio Lower Upper

94 100

65 58.6 16.9 56.9#

66 102.2 36.5 76.5#

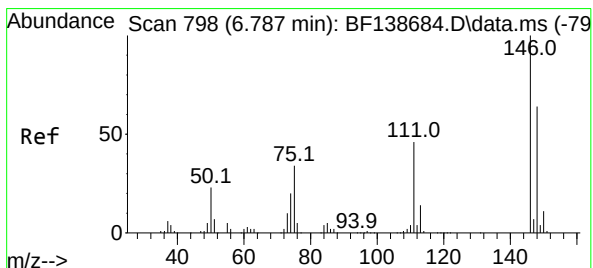
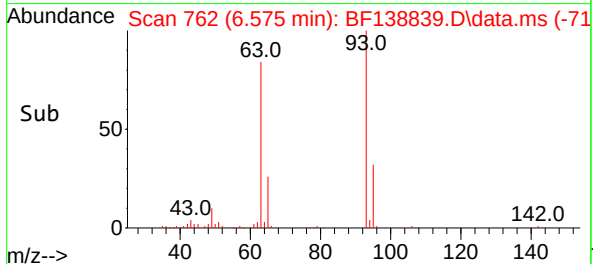
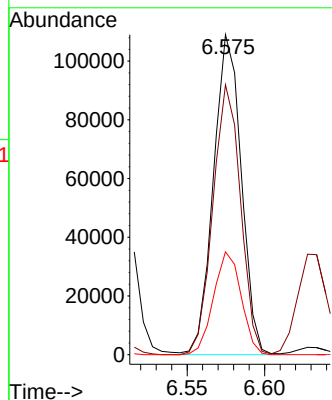
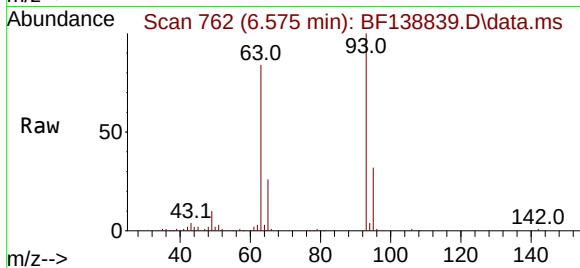




#11
bis(2-Chloroethyl)ether
Concen: 46.416 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

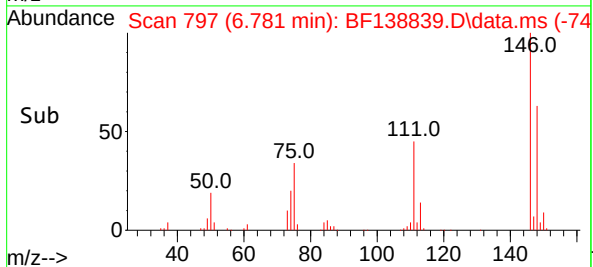
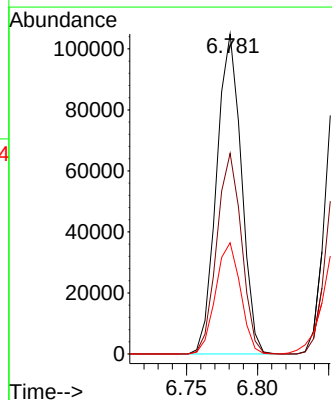
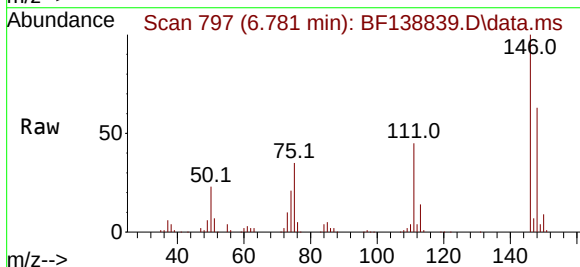
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

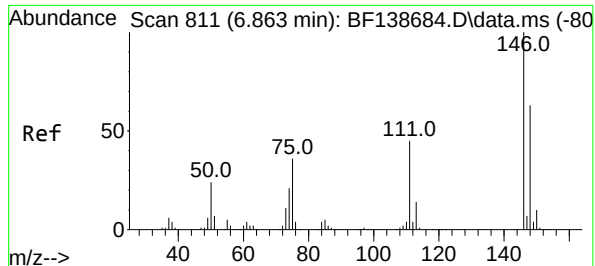
Tgt Ion: 93 Resp: 136015
Ion Ratio Lower Upper
93 100
63 84.3 65.3 105.3
95 32.2 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 40.082 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion:146 Resp: 127162
Ion Ratio Lower Upper
146 100
148 62.7 51.2 76.8
75 34.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.838 ng

RT: 6.857 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

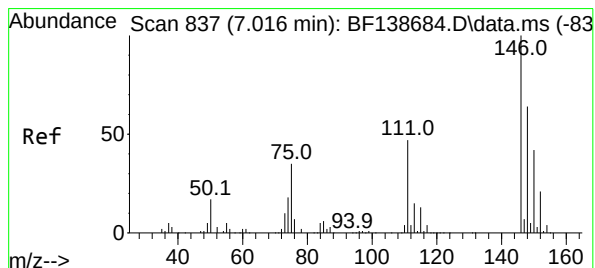
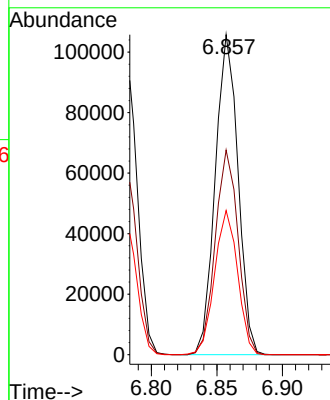
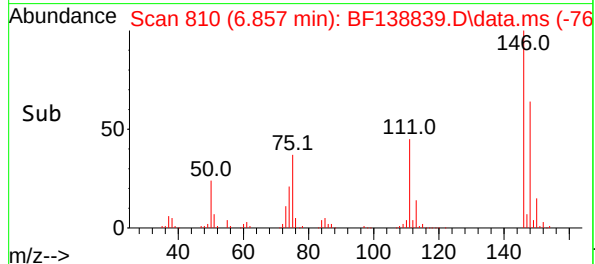
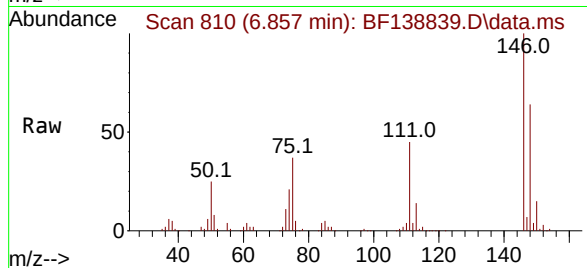
Tgt Ion:146 Resp: 127547

Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.2

111 45.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 40.630 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

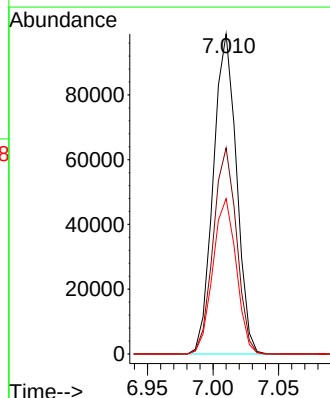
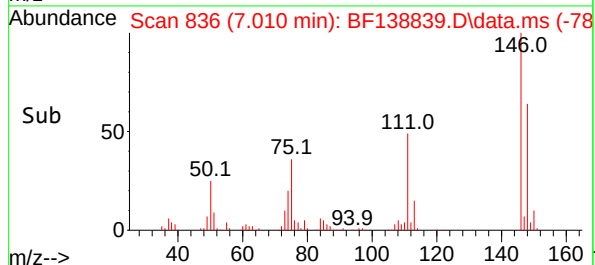
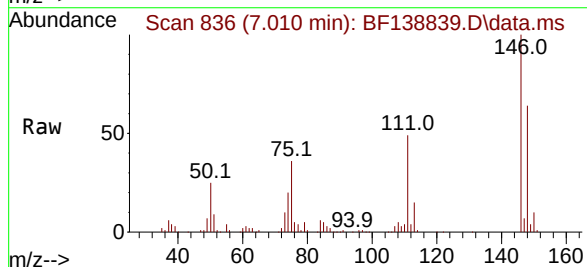
Tgt Ion:146 Resp: 121572

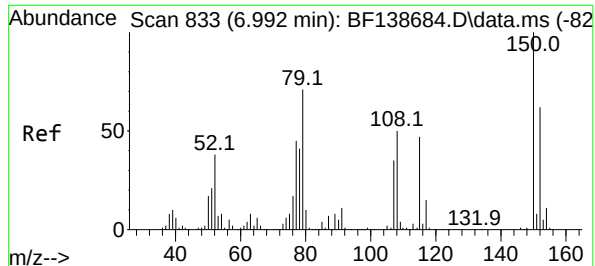
Ion Ratio Lower Upper

146 100

148 64.4 50.8 76.2

111 48.6 37.4 56.2





#15

Benzyl Alcohol

Concen: 36.652 ng

RT: 6.986 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

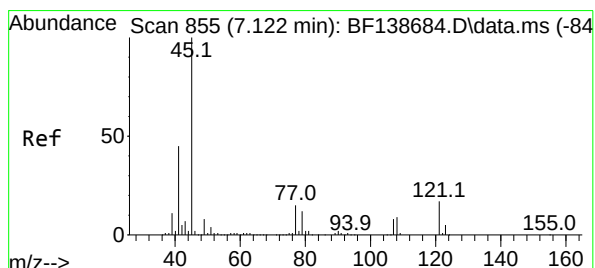
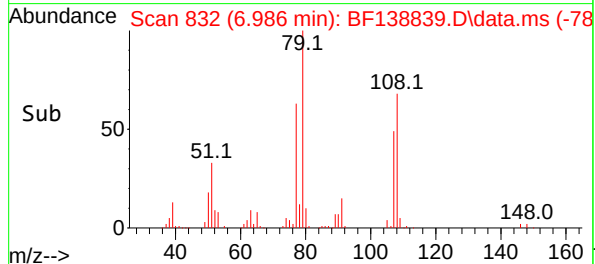
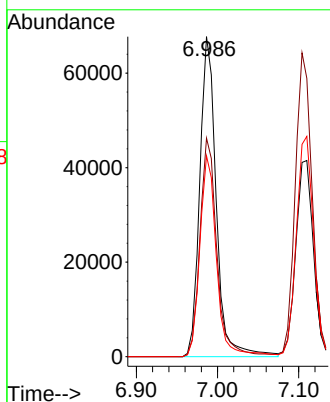
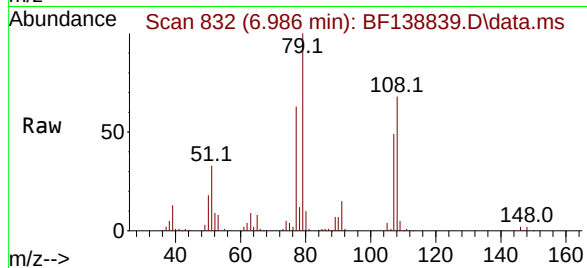
Tgt Ion: 79 Resp: 95542

Ion Ratio Lower Upper

79 100

108 68.3 56.6 85.0

77 62.8 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.046 ng

RT: 7.110 min Scan# 853

Delta R.T. -0.012 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

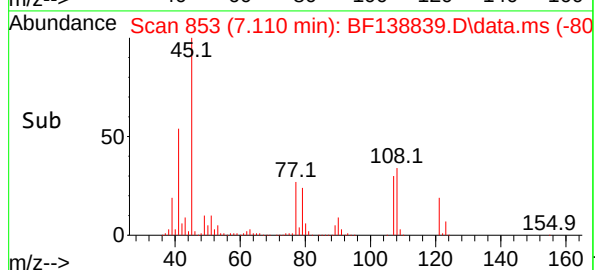
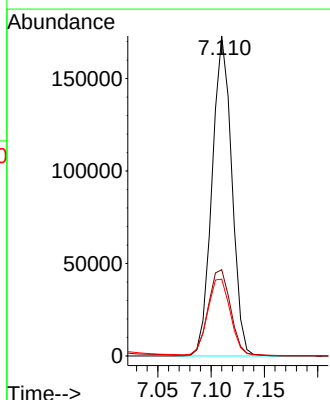
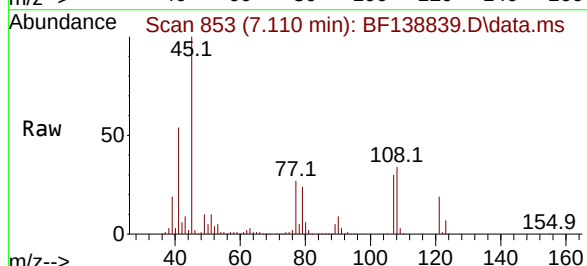
Tgt Ion: 45 Resp: 222124

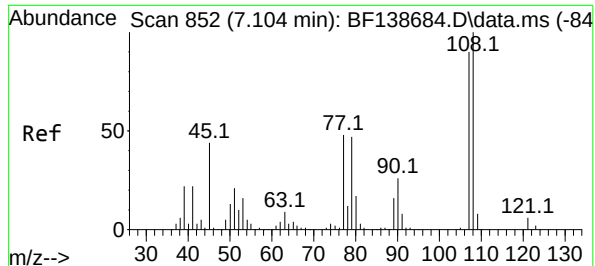
Ion Ratio Lower Upper

45 100

77 27.0 0.0 34.9

79 24.0 0.0 32.2

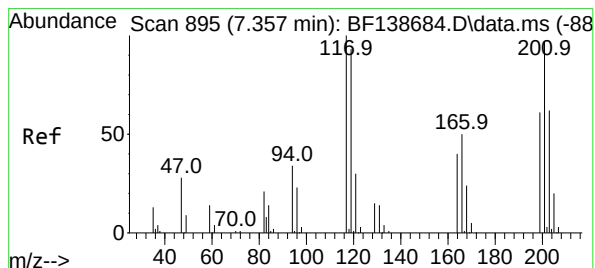
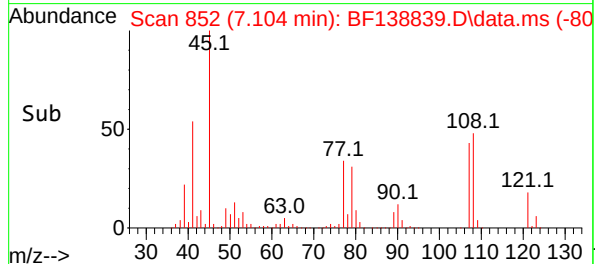
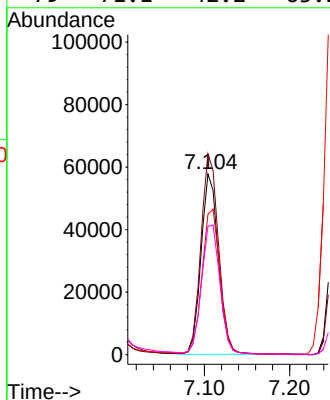
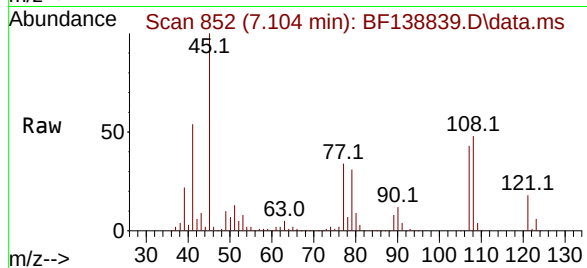




#17
2-Methylphenol
Concen: 34.757 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

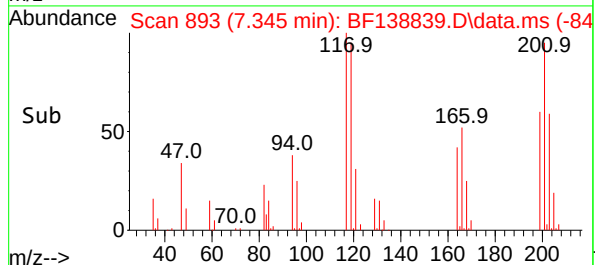
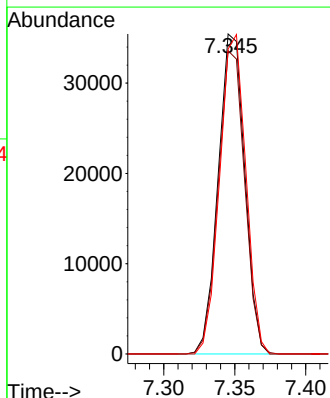
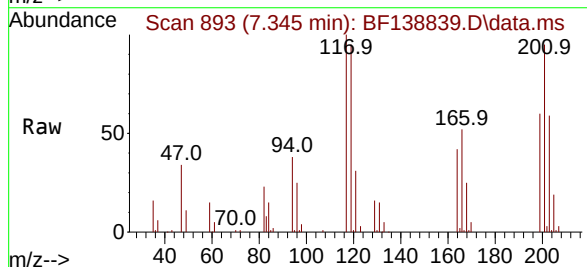
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

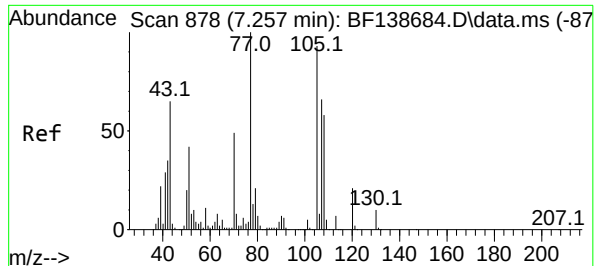
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.2	89.2	133.8
77	77.8	43.0	64.4#
79	71.1	42.2	63.2#



#18
Hexachloroethane
Concen: 38.239 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.6	111.8
201	95.3	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 51.935 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

Tgt Ion: 70 Resp: 113449

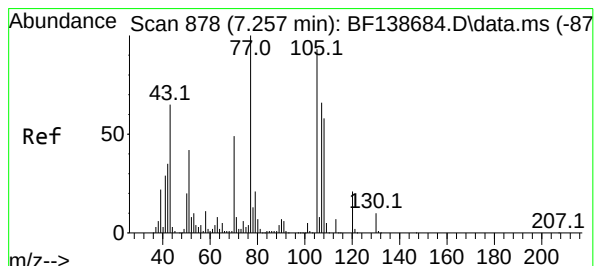
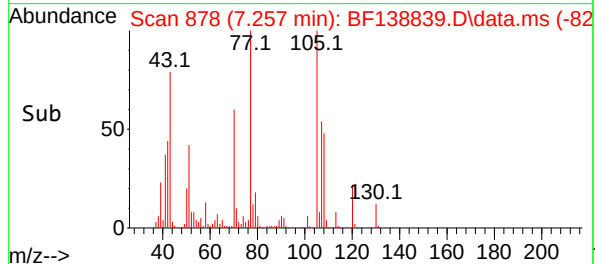
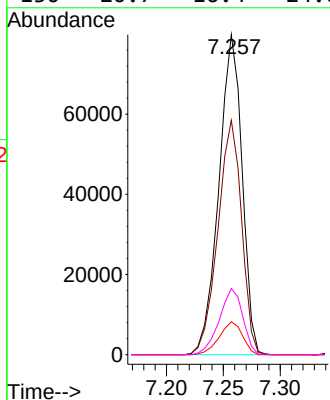
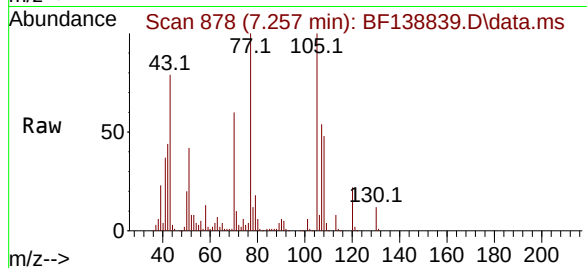
Ion Ratio Lower Upper

70 100

42 73.2 57.4 86.0

101 10.3 7.5 11.3

130 20.7 16.4 24.6



#20

3+4-Methylphenols

Concen: 32.025 ng

RT: 7.257 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Tgt Ion:107 Resp: 96161

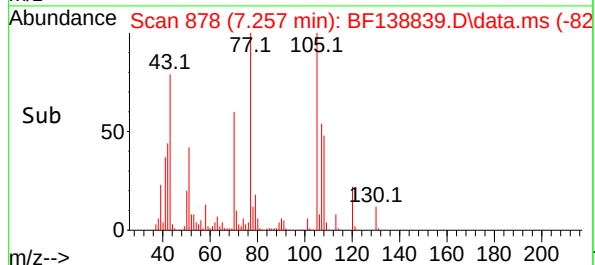
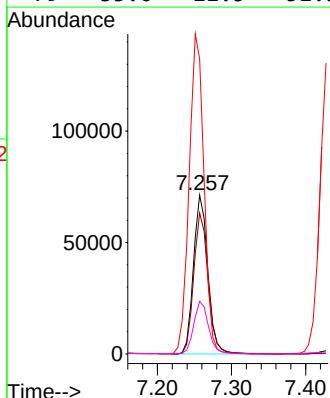
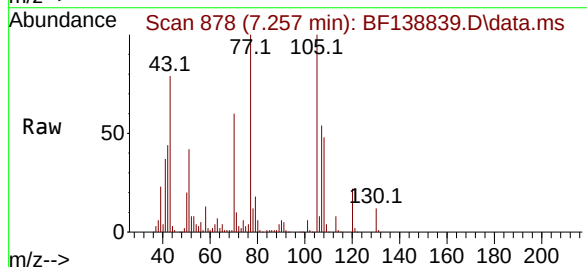
Ion Ratio Lower Upper

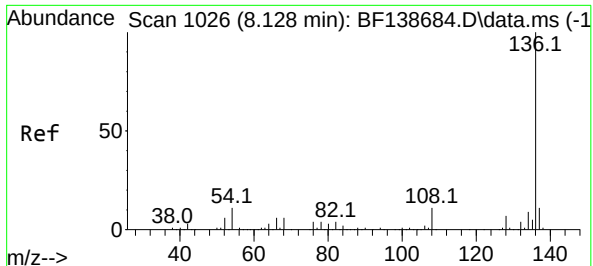
107 100

108 88.7 68.2 108.2

77 185.7 132.1 172.1#

79 33.0 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: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

Tgt Ion:136 Resp: 164057

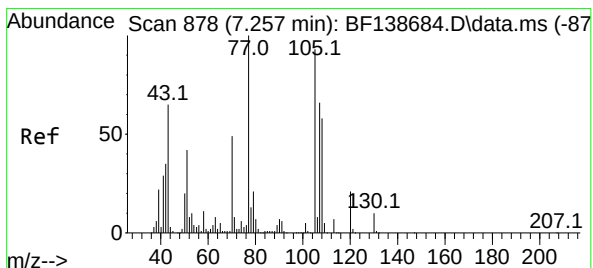
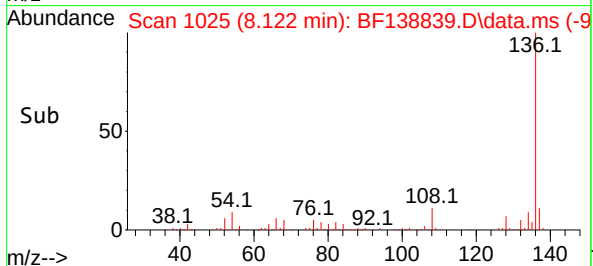
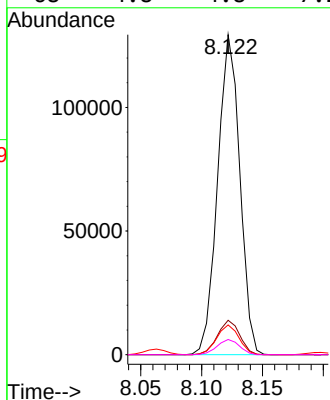
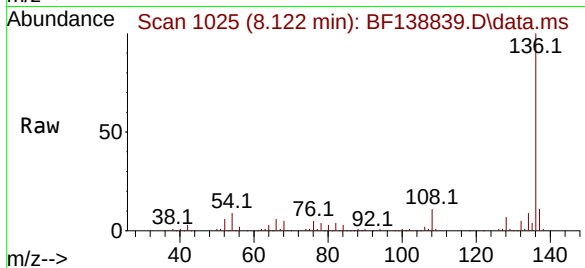
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.3 8.6 12.8

68 4.8 4.8 7.2#



#22

Acetophenone

Concen: 49.932 ng

RT: 7.251 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Tgt Ion:105 Resp: 200572

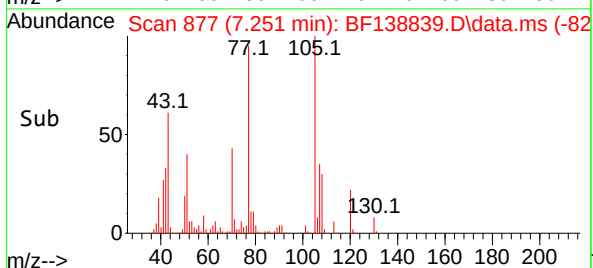
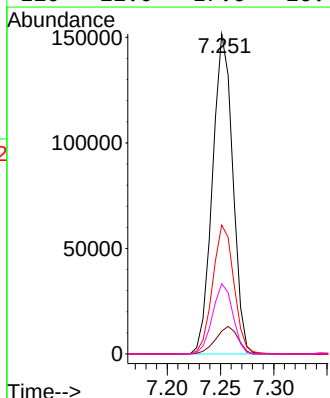
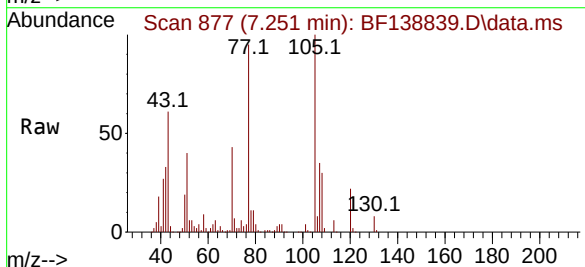
Ion Ratio Lower Upper

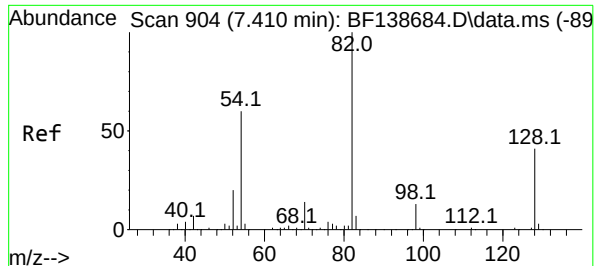
105 100

71 7.2 7.2 10.8#

51 40.3 35.9 53.9

120 22.0 17.6 26.4





#23

Nitrobenzene-d5

Concen: 98.426 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

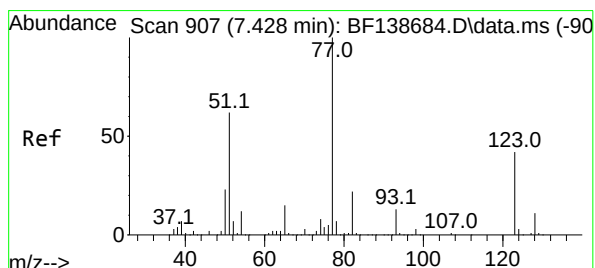
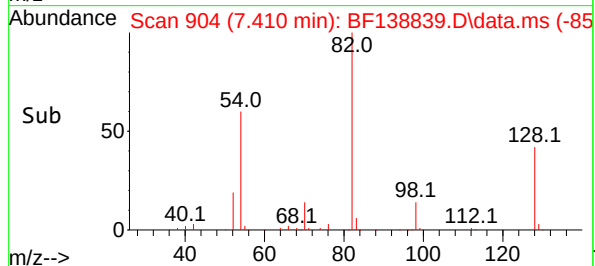
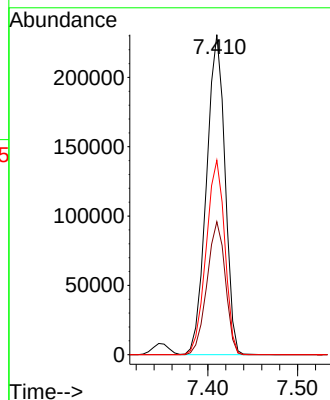
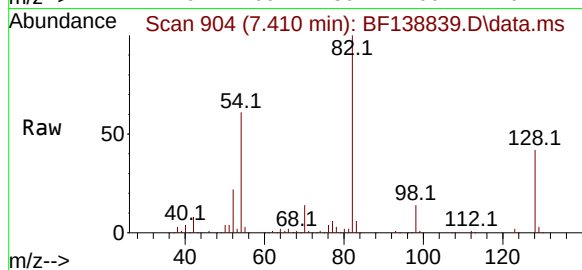
Tgt Ion: 82 Resp: 330272

Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

54 60.7 48.3 72.5



#24

Nitrobenzene

Concen: 48.968 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

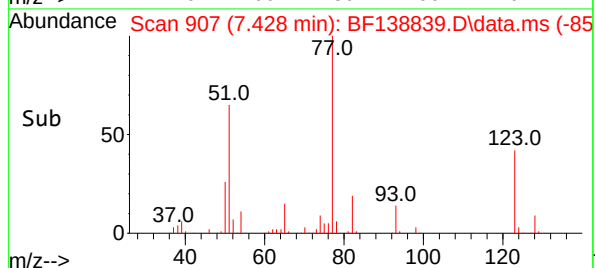
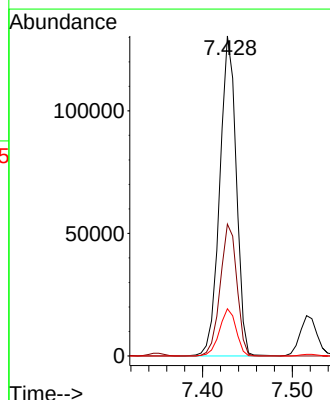
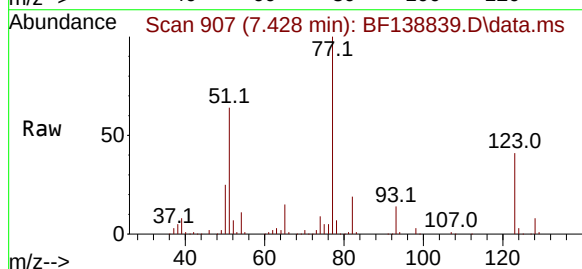
Tgt Ion: 77 Resp: 167201

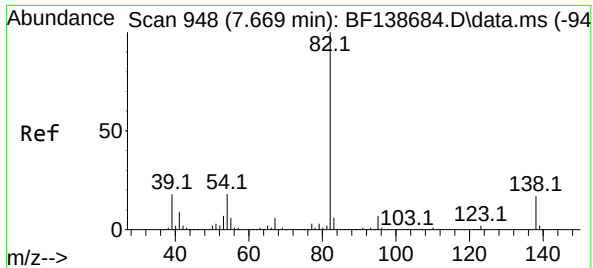
Ion Ratio Lower Upper

77 100

123 41.2 33.3 49.9

65 14.8 11.9 17.9

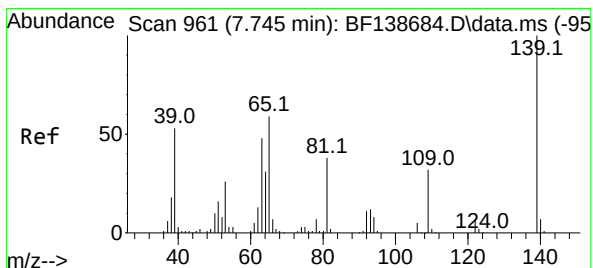
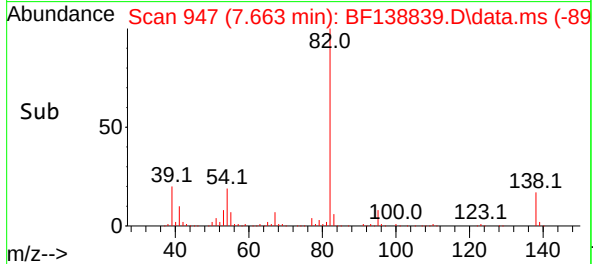
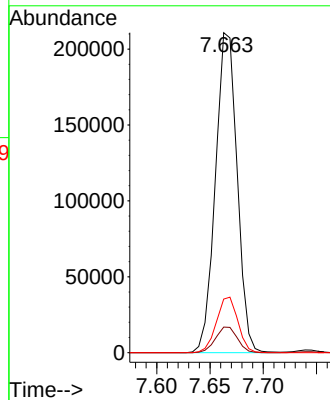
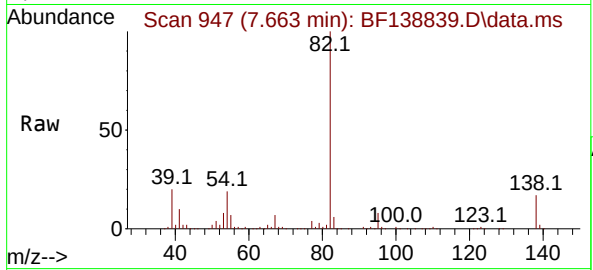




#25
Isophorone
Concen: 52.194 ng
RT: 7.663 min Scan# 947
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

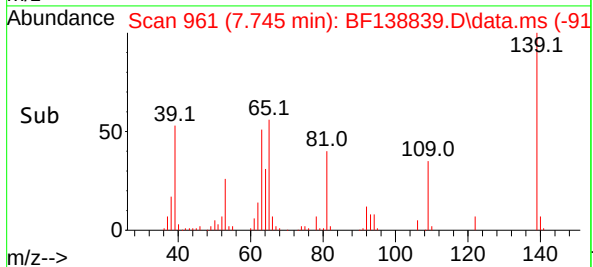
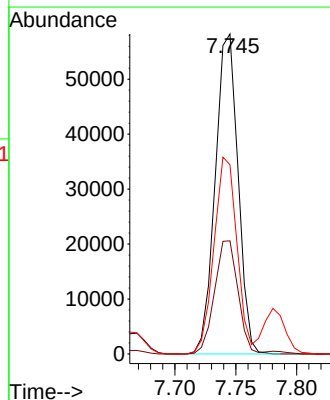
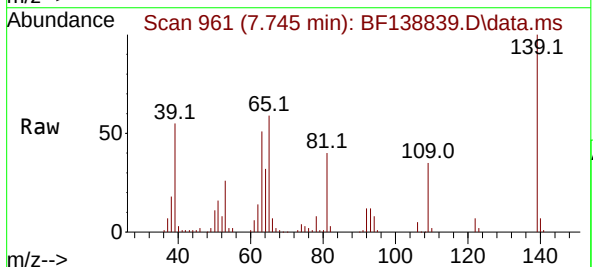
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

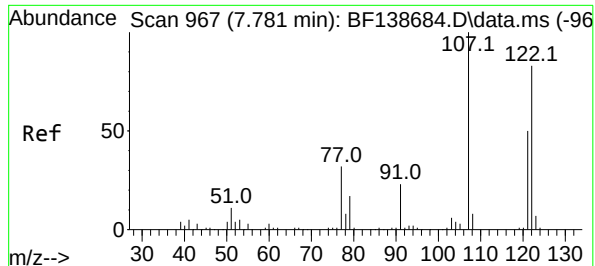
Tgt Ion: 82 Resp: 299059
Ion Ratio Lower Upper
82 100
95 8.0 5.7 8.5
138 16.7 13.7 20.5



#26
2-Nitrophenol
Concen: 51.714 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion: 139 Resp: 75969
Ion Ratio Lower Upper
139 100
109 35.4 25.9 38.9
65 59.2 47.0 70.6





#27

2,4-Dimethylphenol

Concen: 50.432 ng

RT: 7.781 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

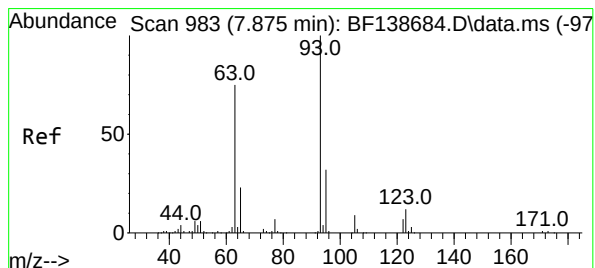
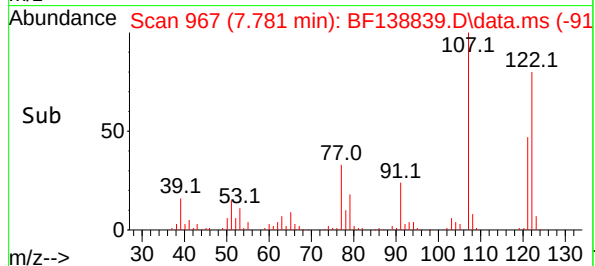
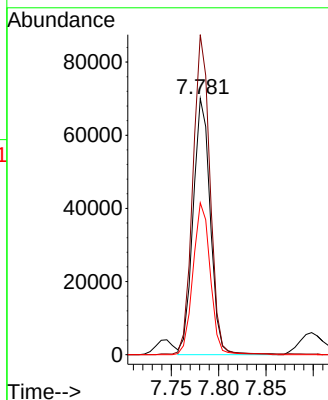
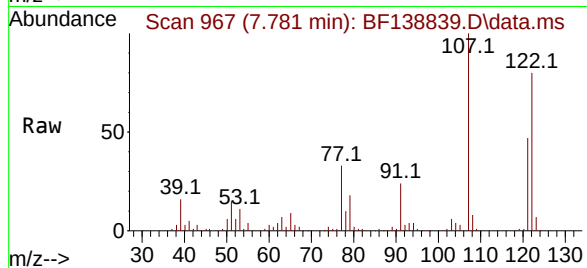
Tgt Ion:122 Resp: 88642

Ion Ratio Lower Upper

122 100

107 124.9 95.0 142.6

121 59.3 47.3 70.9



#28

bis(2-Chloroethoxy)methane

Concen: 50.542 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

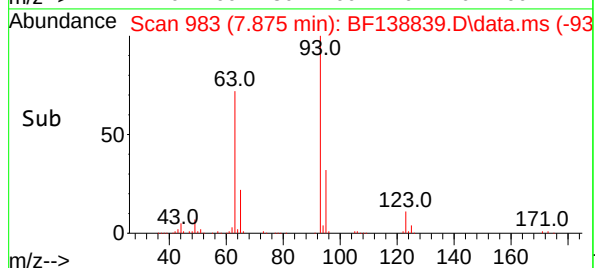
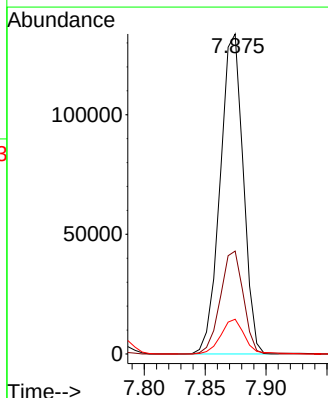
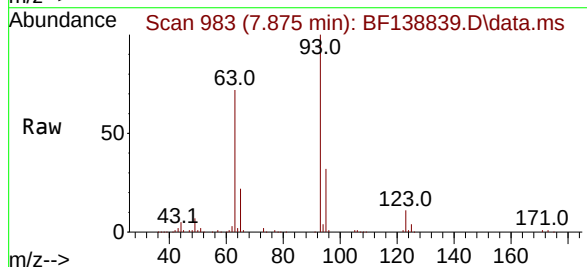
Tgt Ion: 93 Resp: 176352

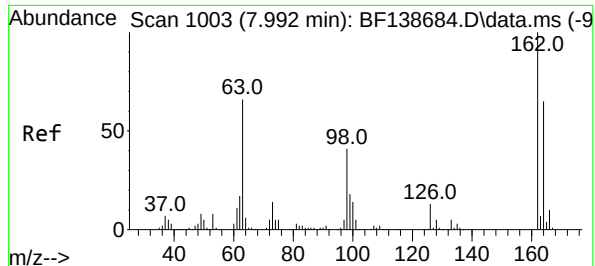
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.8

123 10.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 50.526 ng

RT: 7.986 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

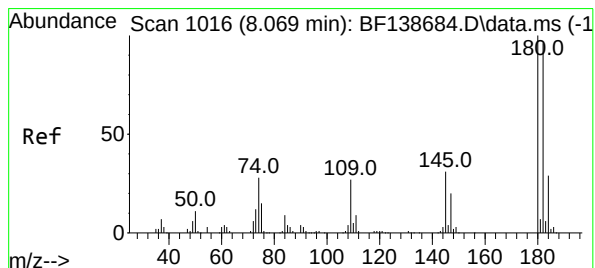
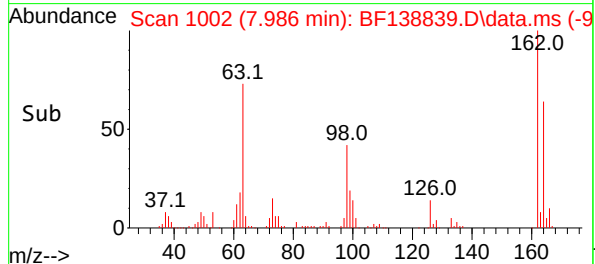
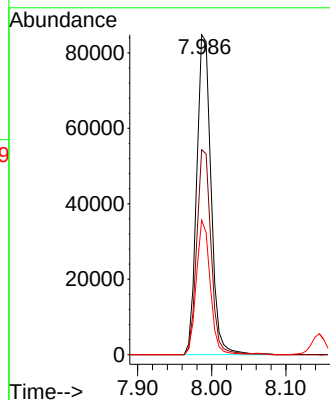
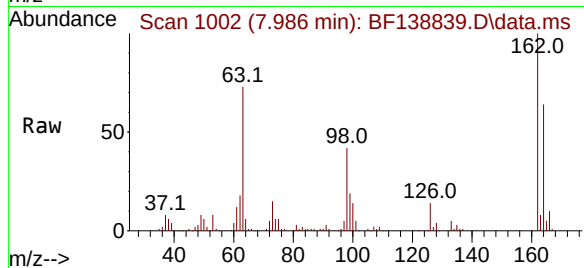
Tgt Ion:162 Resp: 114115

Ion Ratio Lower Upper

162 100

164 64.0 44.7 84.7

98 42.0 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 46.232 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

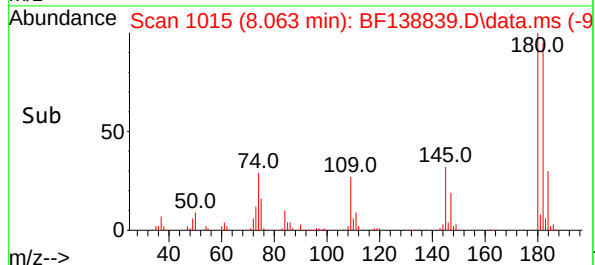
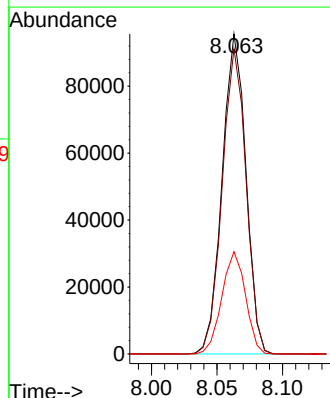
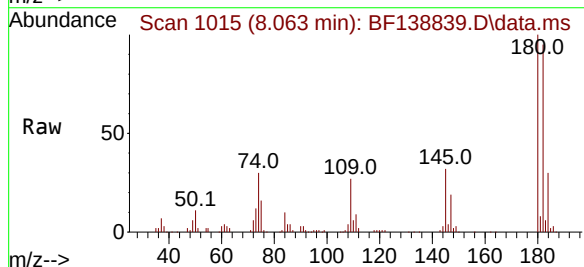
Tgt Ion:180 Resp: 120501

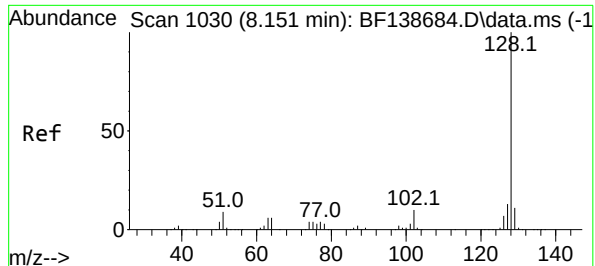
Ion Ratio Lower Upper

180 100

182 95.4 76.9 115.3

145 31.9 25.0 37.4





#31

Naphthalene

Concen: 48.100 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

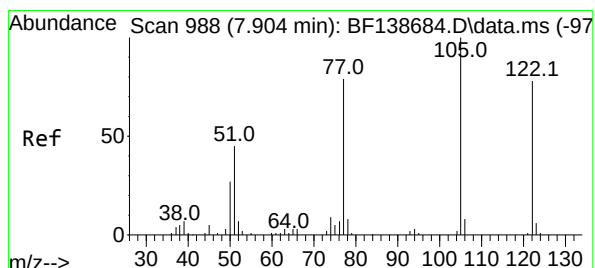
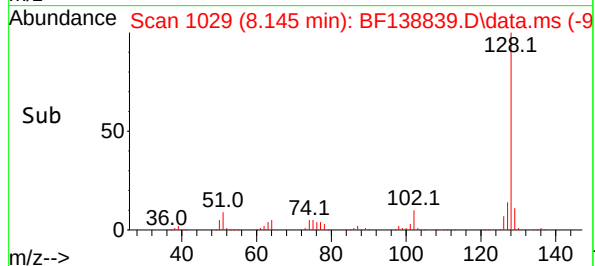
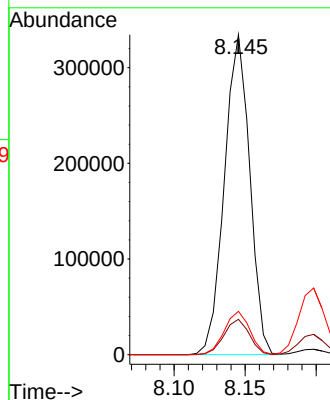
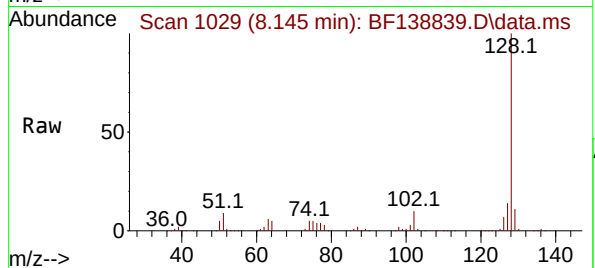
Tgt Ion:128 Resp: 415362

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.6 10.6 16.0



#32

Benzoic acid

Concen: 10.722 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

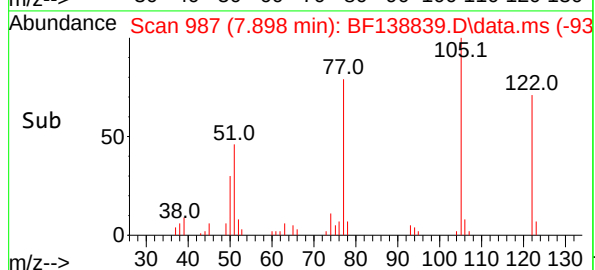
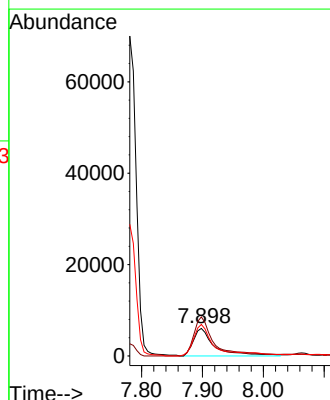
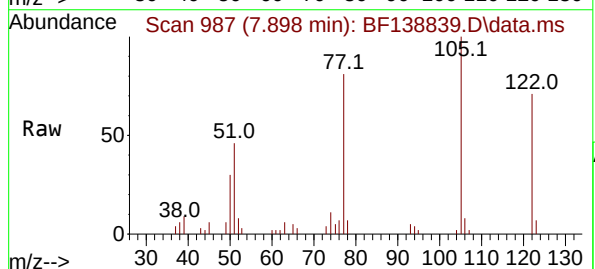
Tgt Ion:122 Resp: 14814

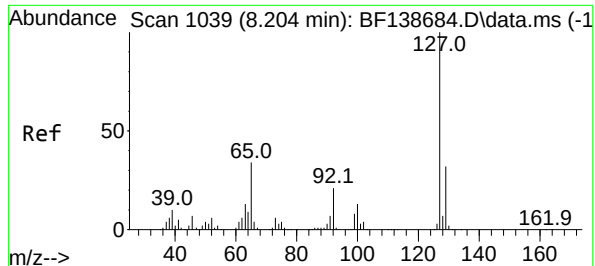
Ion Ratio Lower Upper

122 100

105 141.4 106.7 146.7

77 114.3 81.1 121.1





#33

4-Chloroaniline

Concen: 32.914 ng

RT: 8.198 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

Tgt Ion:127 Resp: 95409

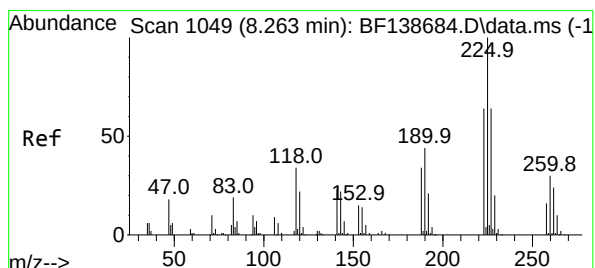
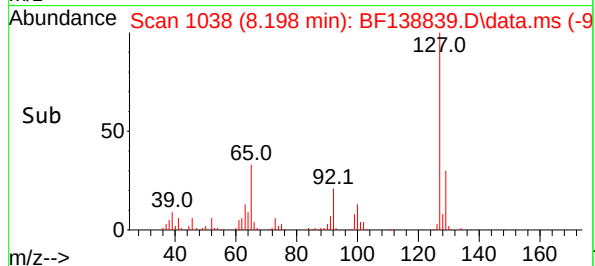
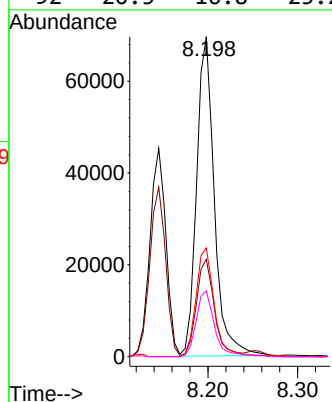
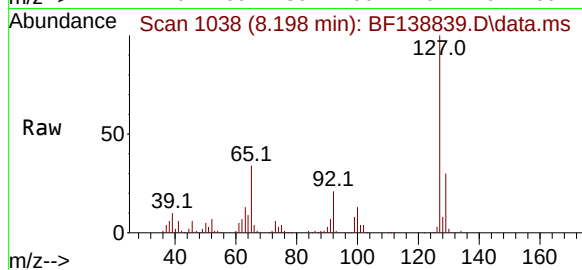
Ion Ratio Lower Upper

127 100

129 30.5 25.9 38.9

65 34.0 27.6 41.4

92 20.5 16.8 25.2



#34

Hexachlorobutadiene

Concen: 44.279 ng

RT: 8.257 min Scan# 1048

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

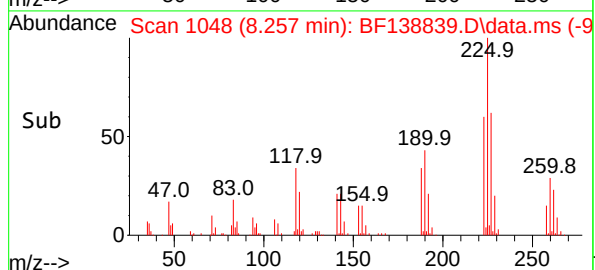
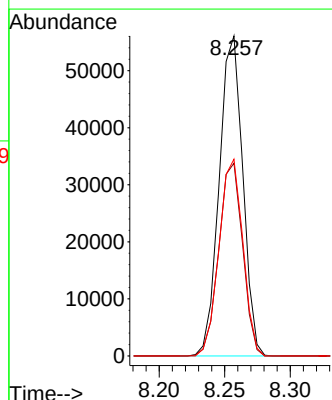
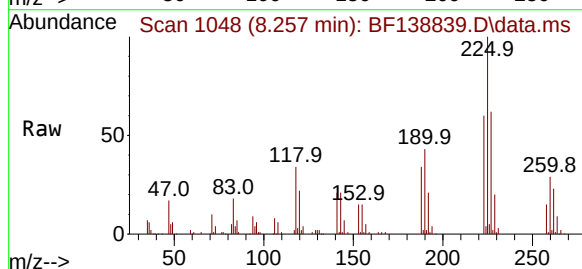
Tgt Ion:225 Resp: 69903

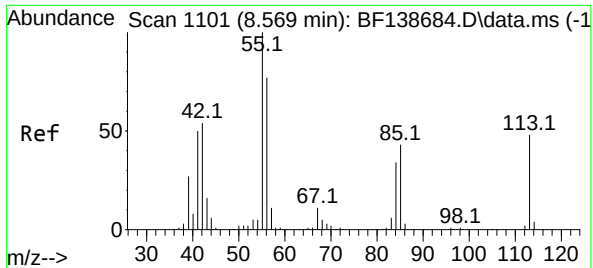
Ion Ratio Lower Upper

225 100

223 60.2 51.2 76.8

227 61.5 51.1 76.7





#35

Caprolactam

Concen: 9.277 ng

RT: 8.580 min Scan# 1101

Delta R.T. 0.012 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

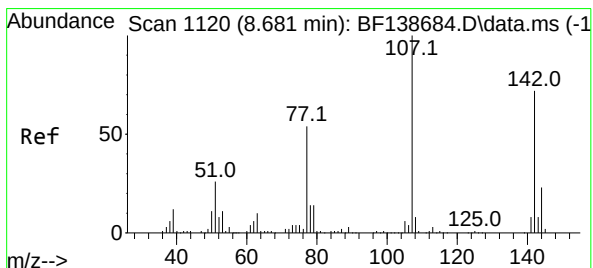
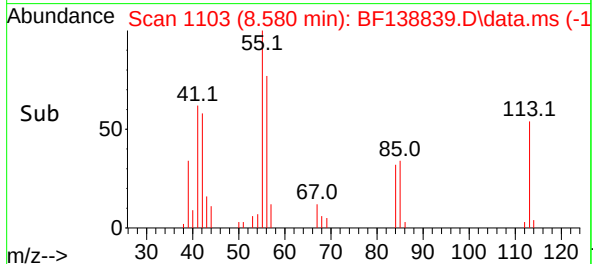
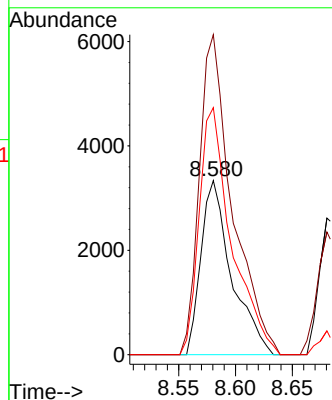
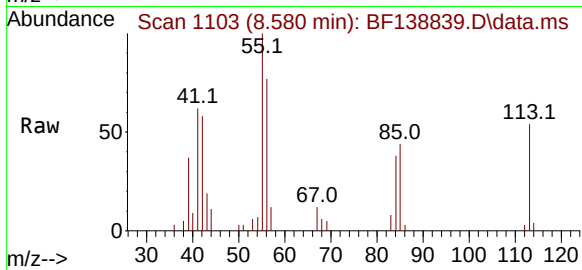
Tgt Ion:113 Resp: 6252

Ion Ratio Lower Upper

113 100

55 183.9 186.7 226.7#

56 141.9 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 47.310 ng

RT: 8.680 min Scan# 1120

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

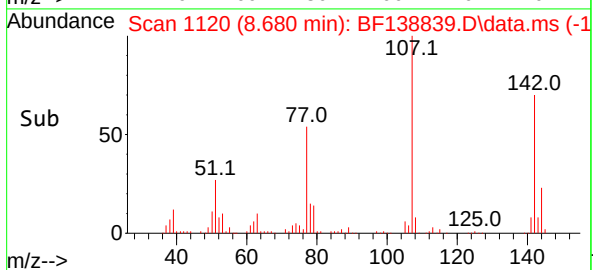
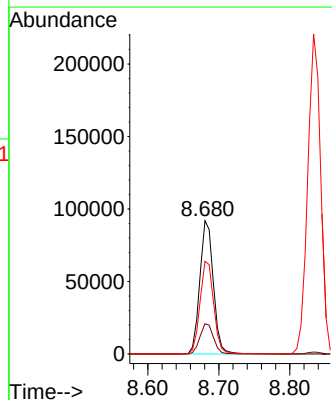
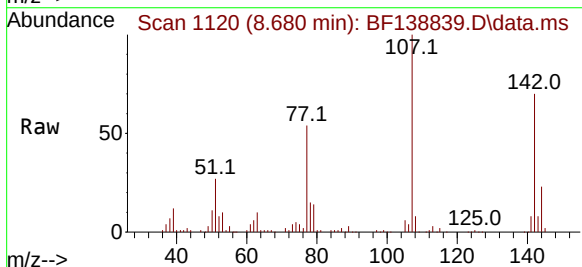
Tgt Ion:107 Resp: 122117

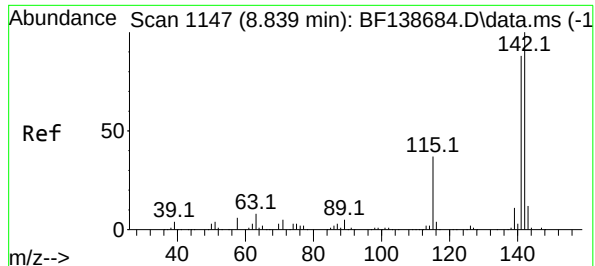
Ion Ratio Lower Upper

107 100

144 22.6 18.2 27.2

142 69.5 57.4 86.2





#37

2-Methylnaphthalene

Concen: 50.920 ng

RT: 8.833 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

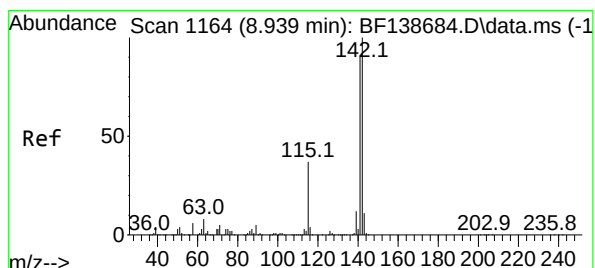
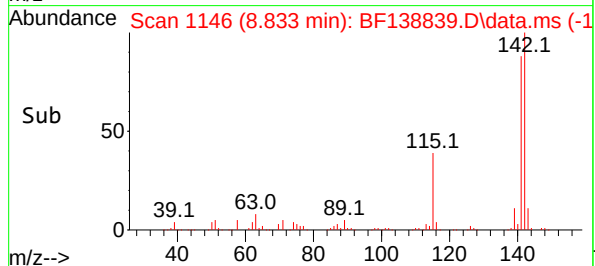
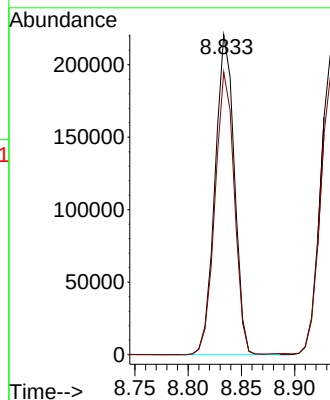
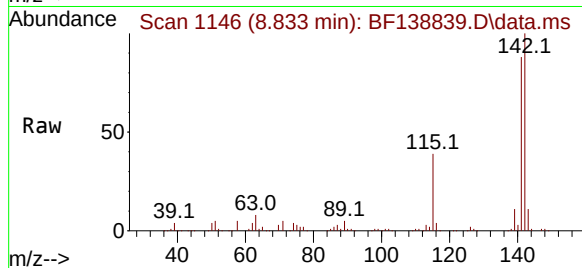
923-K1-WS-080124MSD

Tgt Ion:142 Resp: 277705

Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2



#38

1-Methylnaphthalene

Concen: 48.199 ng

RT: 8.933 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF138839.D

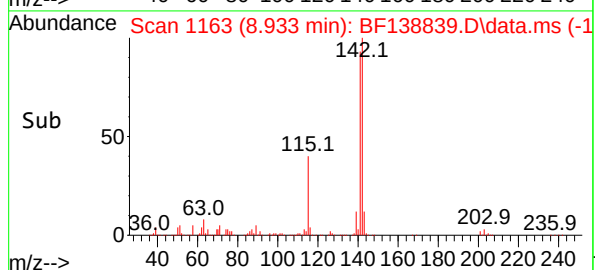
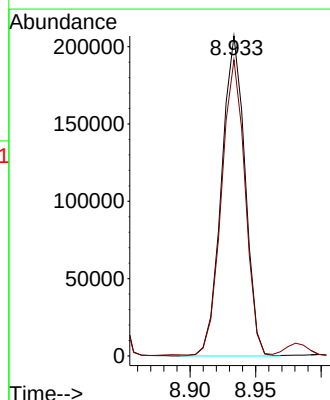
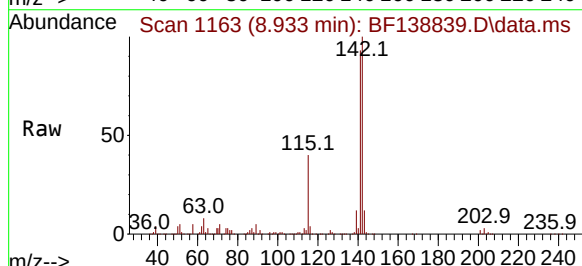
Acq: 07 Aug 2024 13:35

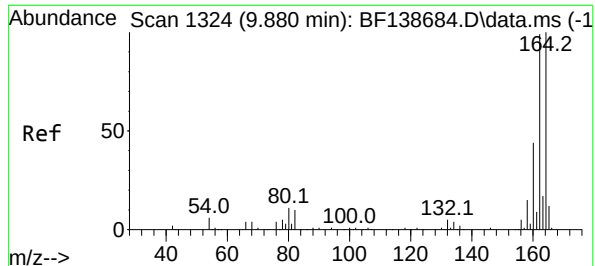
Tgt Ion:142 Resp: 257582

Ion Ratio Lower Upper

142 100

141 92.5 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: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

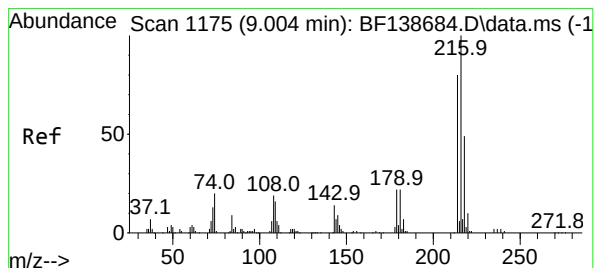
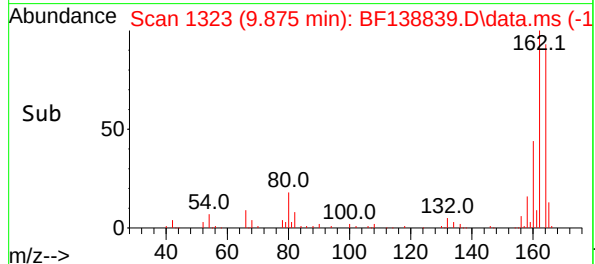
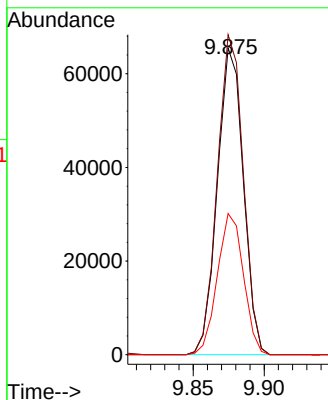
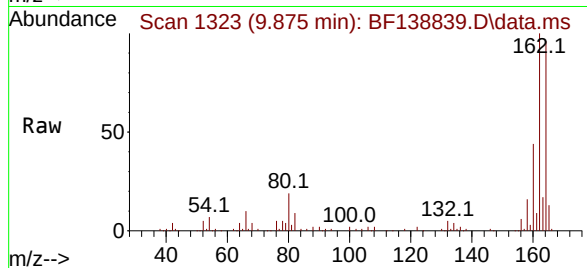
Tgt Ion:164 Resp: 83168

Ion Ratio Lower Upper

164 100

162 104.3 79.4 119.0

160 46.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.492 ng

RT: 8.998 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Tgt Ion:216 Resp: 118962

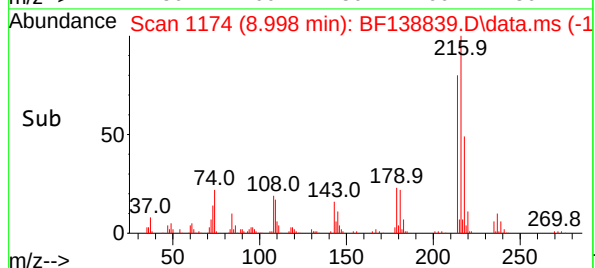
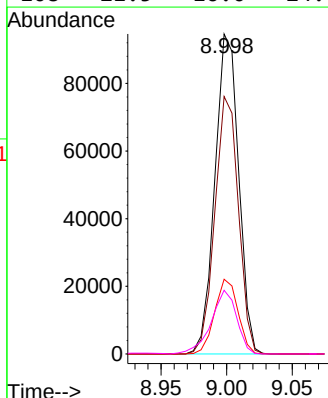
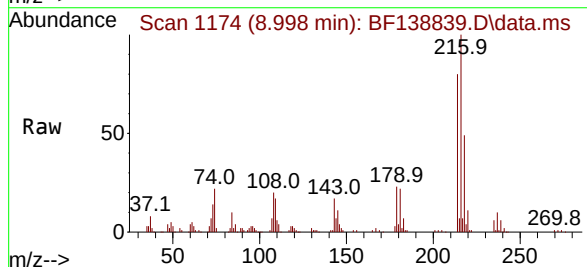
Ion Ratio Lower Upper

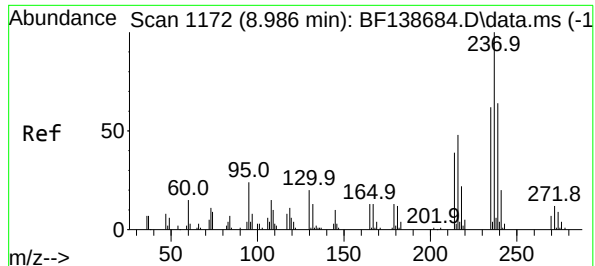
216 100

214 79.8 63.9 95.9

179 22.9 17.8 26.6

108 21.5 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 120.649 ng

RT: 8.980 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

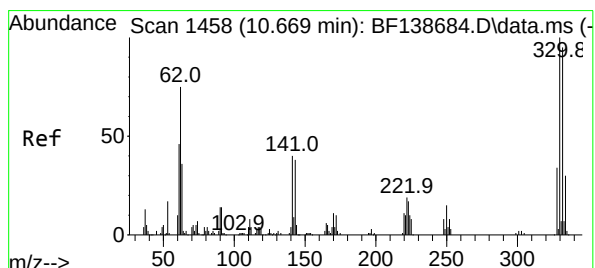
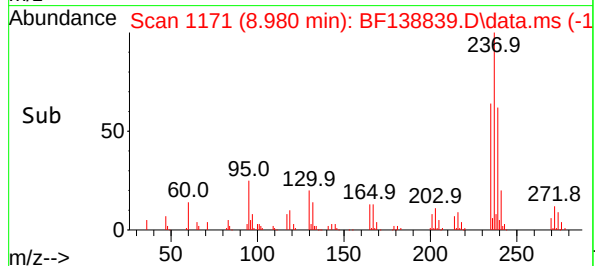
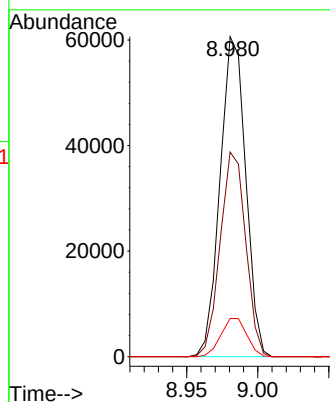
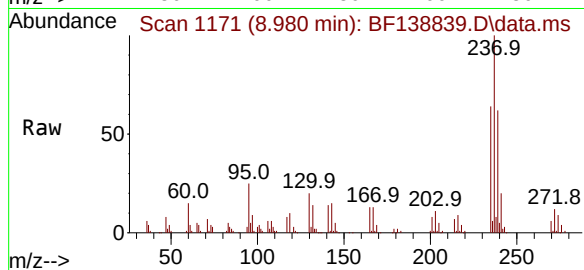
Tgt Ion:237 Resp: 76148

Ion Ratio Lower Upper

237 100

235 64.0 41.8 81.8

272 12.0 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 158.966 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

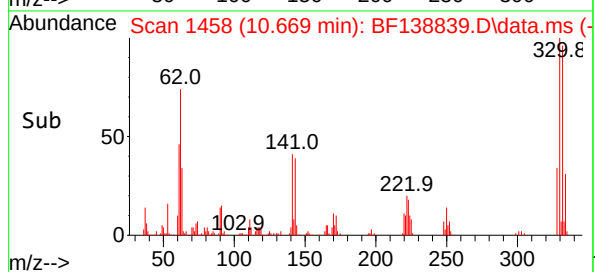
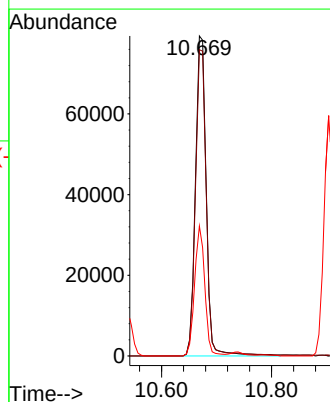
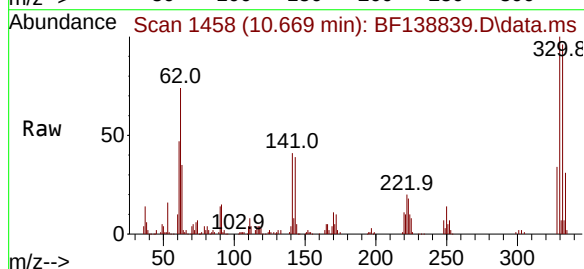
Tgt Ion:330 Resp: 108297

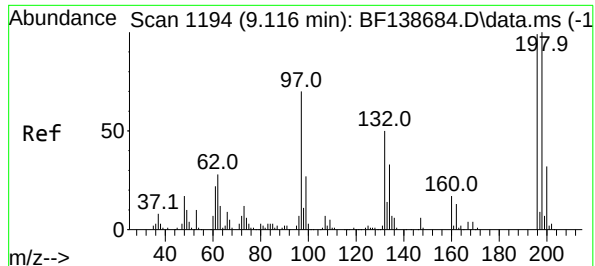
Ion Ratio Lower Upper

330 100

332 96.1 76.4 114.6

141 38.4 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 55.179 ng

RT: 9.116 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

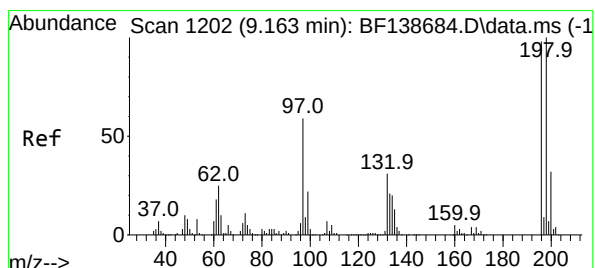
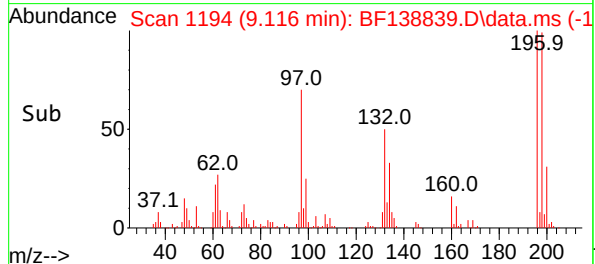
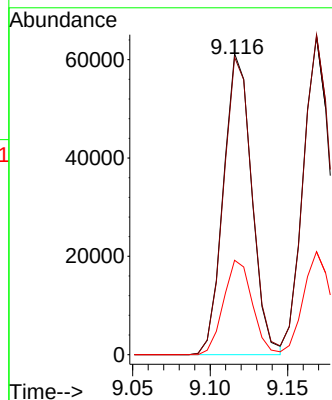
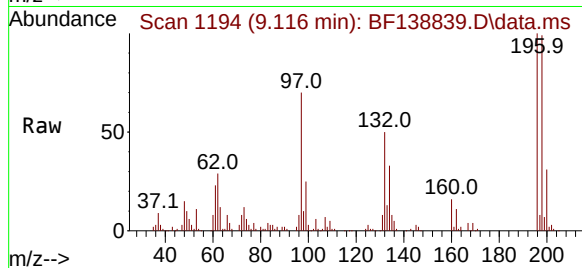
Tgt Ion:196 Resp: 77726

Ion Ratio Lower Upper

196 100

198 98.8 80.5 120.7

200 31.4 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 52.810 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Tgt Ion:196 Resp: 81323

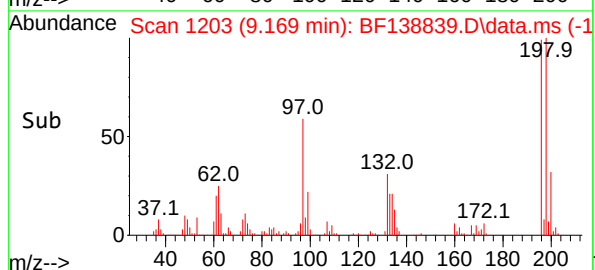
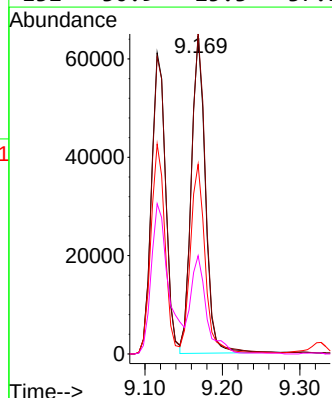
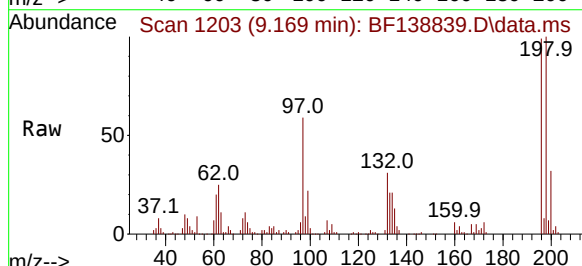
Ion Ratio Lower Upper

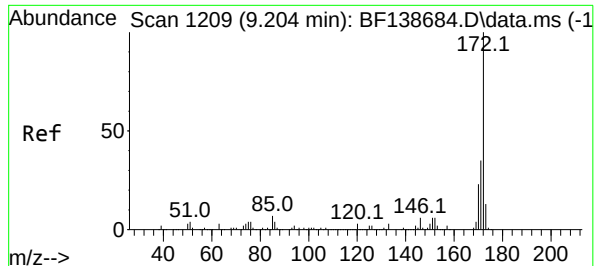
196 100

198 100.7 81.2 121.8

97 59.7 47.8 71.6

132 30.9 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 105.883 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

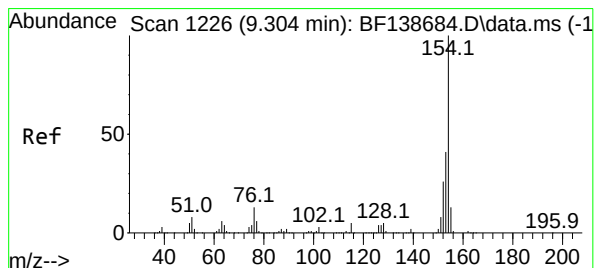
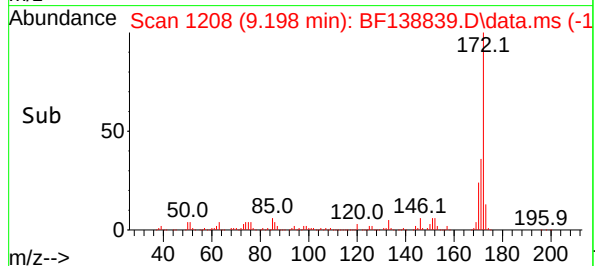
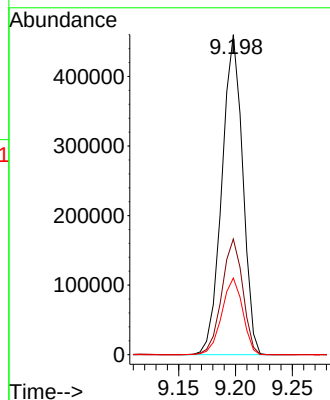
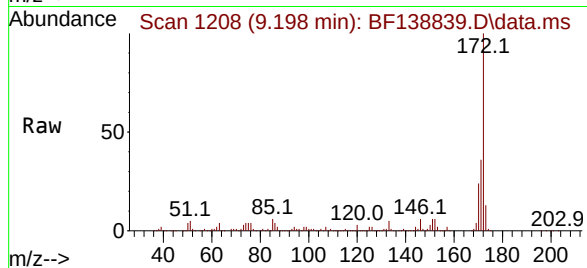
Tgt Ion:172 Resp: 586096

Ion Ratio Lower Upper

172 100

171 36.2 28.3 42.5

170 23.9 18.8 28.2



#46

1,1'-Biphenyl

Concen: 51.274 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

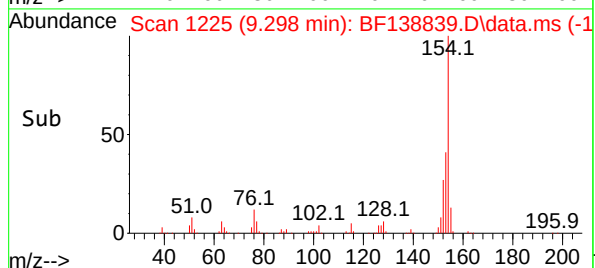
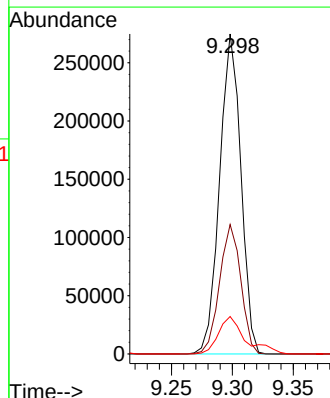
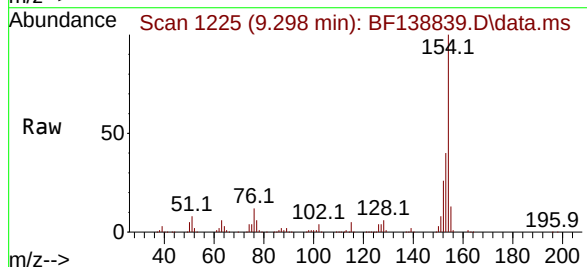
Tgt Ion:154 Resp: 333978

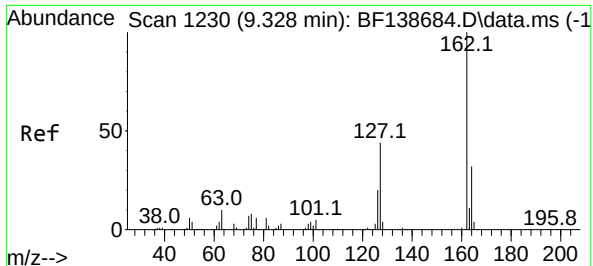
Ion Ratio Lower Upper

154 100

153 40.5 20.8 60.8

76 11.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 53.680 ng

RT: 9.327 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

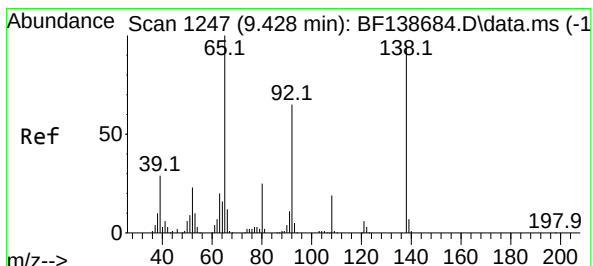
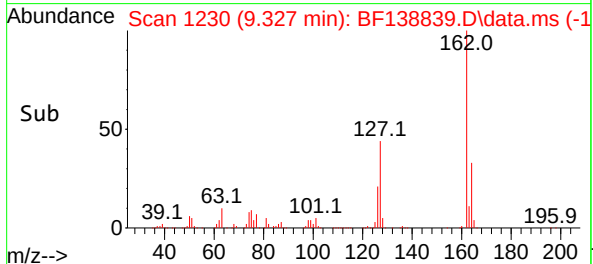
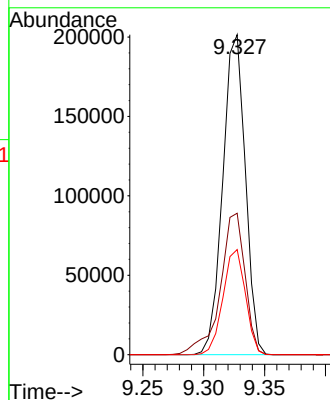
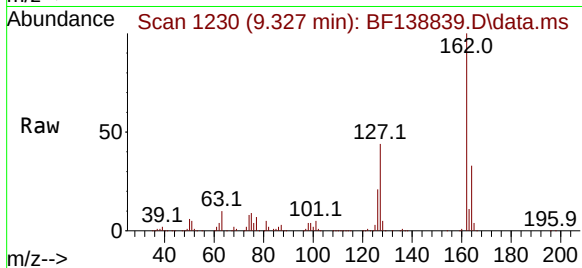
Tgt Ion:162 Resp: 260047

Ion Ratio Lower Upper

162 100

127 44.2 35.4 53.2

164 32.8 25.6 38.4



#48

2-Nitroaniline

Concen: 55.981 ng

RT: 9.427 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

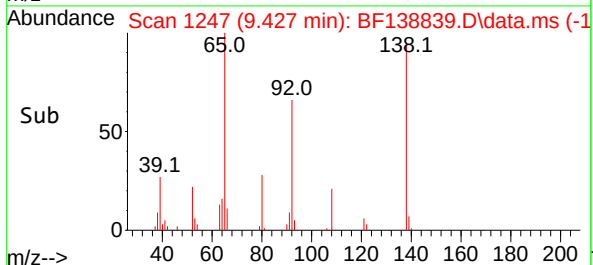
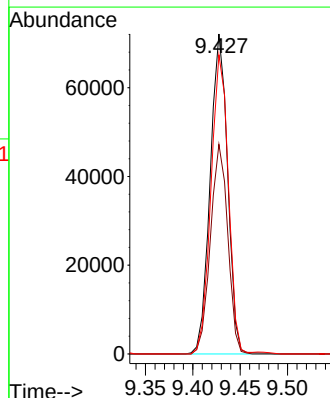
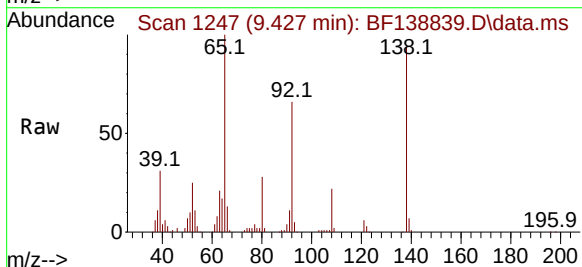
Tgt Ion: 65 Resp: 91938

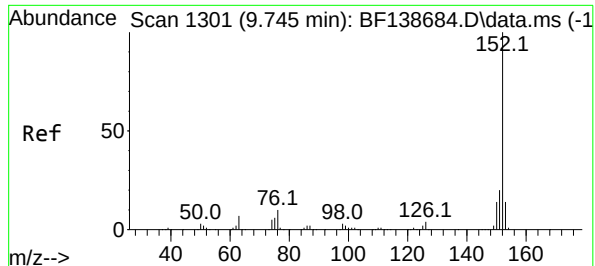
Ion Ratio Lower Upper

65 100

92 65.5 52.0 78.0

138 93.5 76.2 114.4





#49

Acenaphthylene

Concen: 60.134 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138839.D

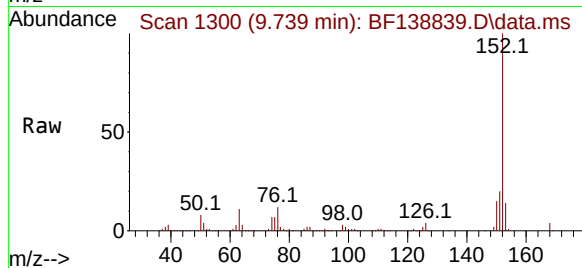
Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

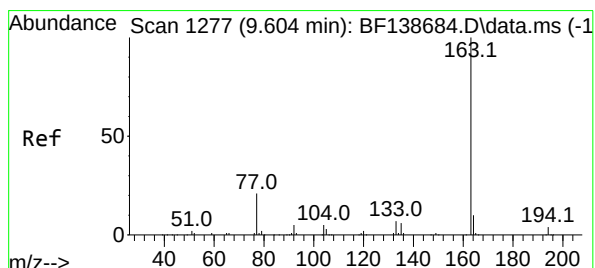
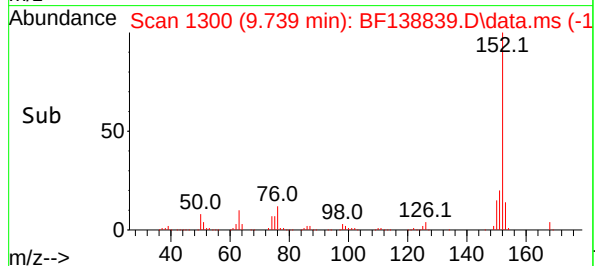
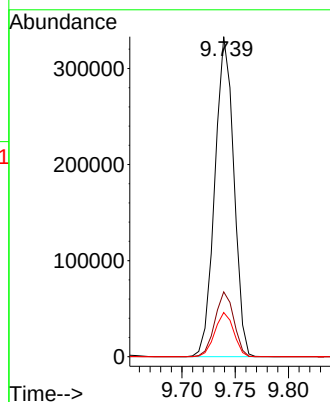
ClientSampleId :

923-K1-WS-080124MSD



Tgt Ion:152 Resp: 413163

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.8	11.0	16.4



#50

Dimethylphthalate

Concen: 58.968 ng

RT: 9.604 min Scan# 1277

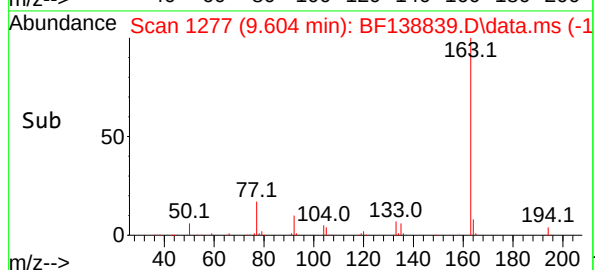
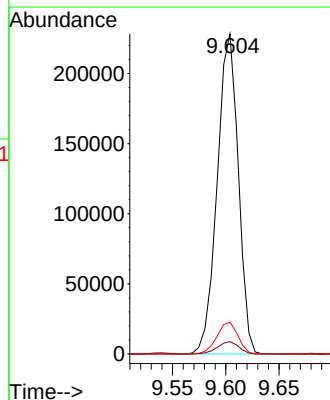
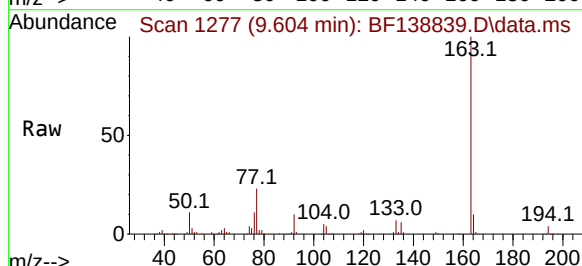
Delta R.T. -0.000 min

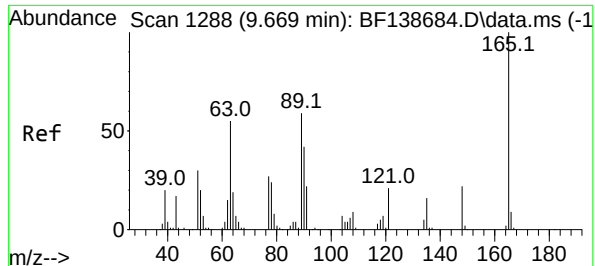
Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Tgt Ion:163 Resp: 313585

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: 56.147 ng

RT: 9.669 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

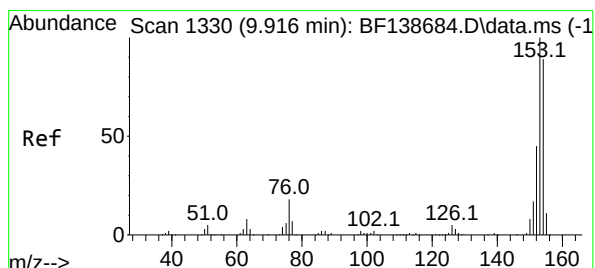
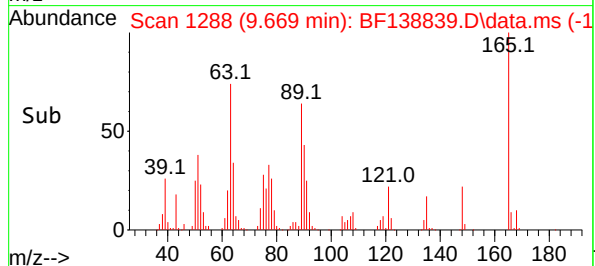
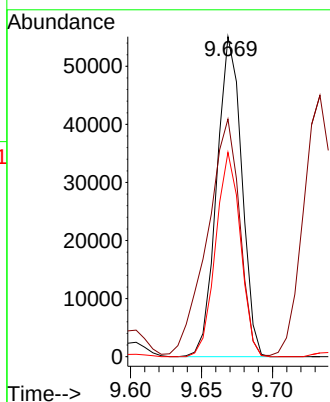
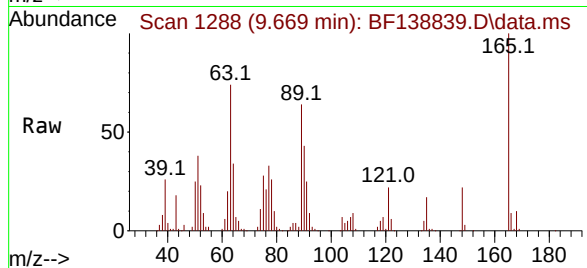
Tgt Ion:165 Resp: 67384

Ion Ratio Lower Upper

165 100

63 74.2 52.0 78.0

89 63.9 47.0 70.6



#52

Acenaphthene

Concen: 54.379 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

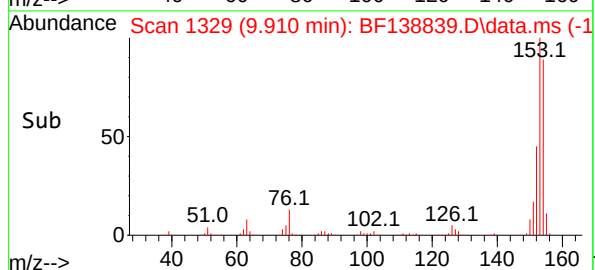
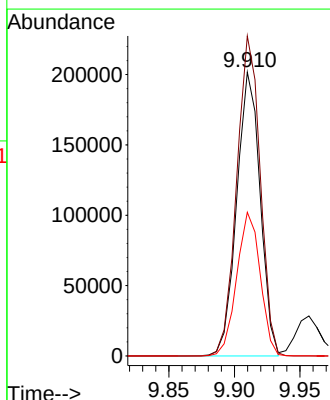
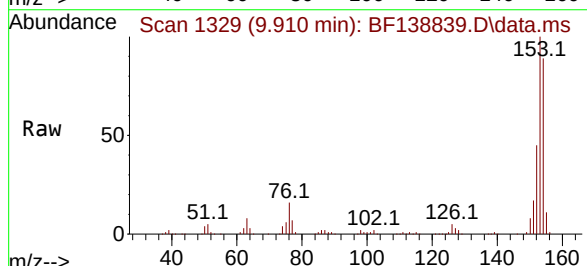
Tgt Ion:154 Resp: 251158

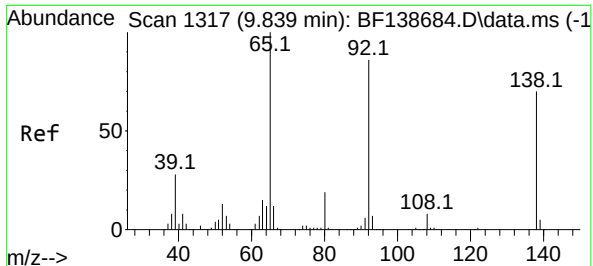
Ion Ratio Lower Upper

154 100

153 112.7 89.9 134.9

152 50.6 40.6 60.8

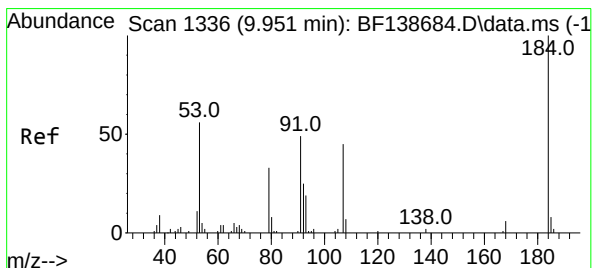
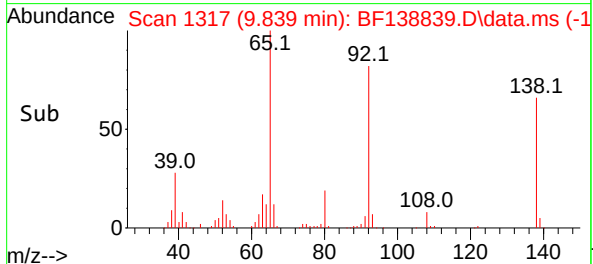
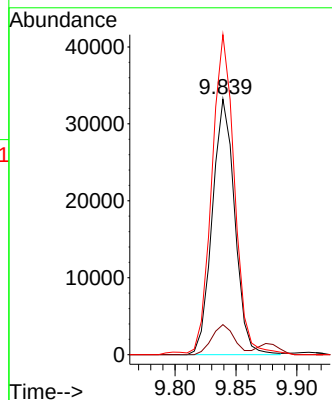
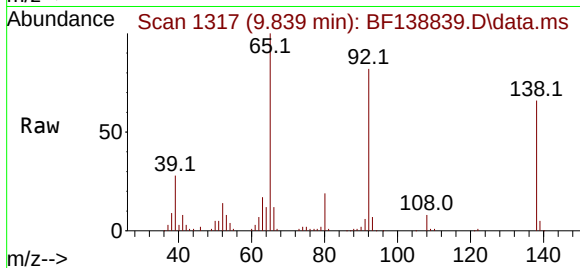




#53
3-Nitroaniline
Concen: 34.297 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

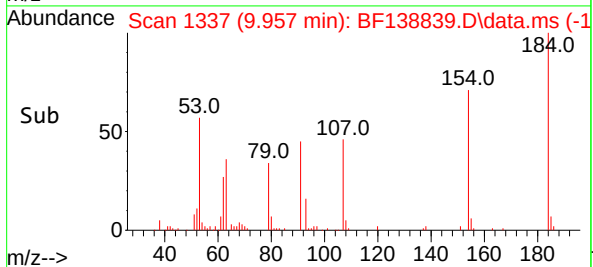
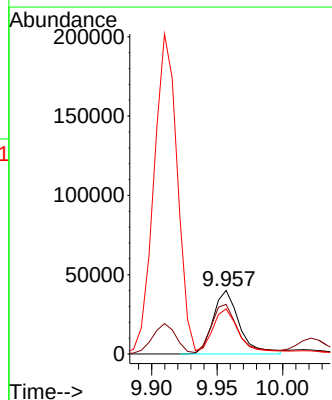
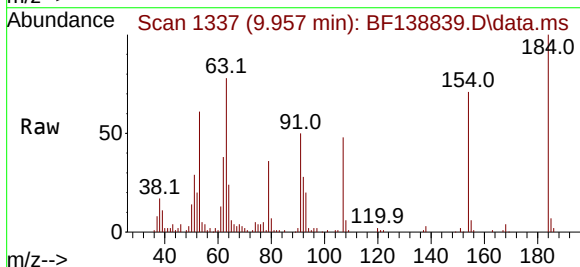
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

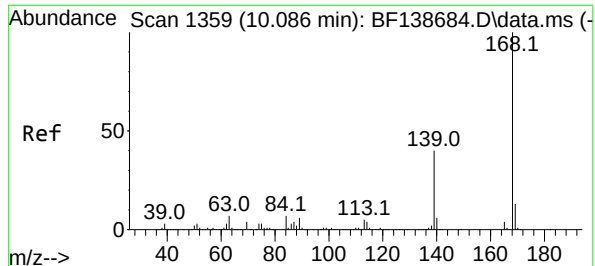
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.8	9.1	13.7
92	125.2	98.7	148.1



#54
2,4-Dinitrophenol
Concen: 100.600 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.1	57.5	86.3
154	71.2	51.7	77.5





#55

Dibenzenofuran

Concen: 57.451 ng

RT: 10.086 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

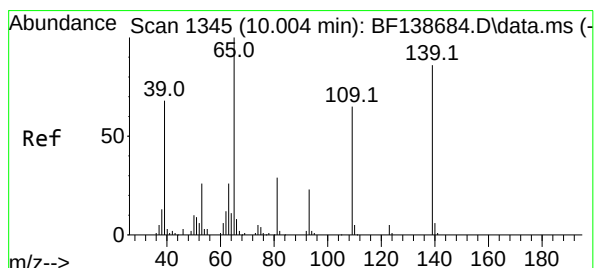
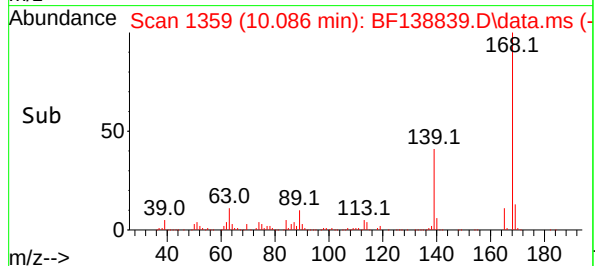
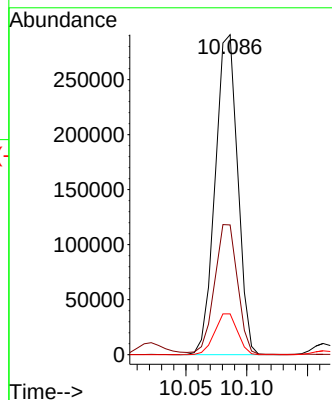
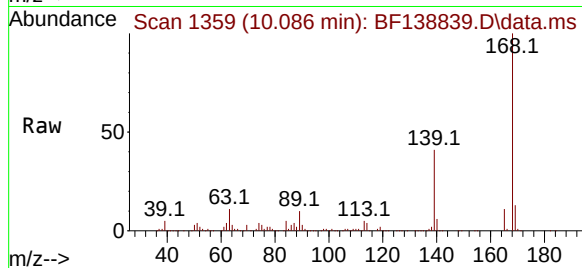
Tgt Ion:168 Resp: 374566

Ion Ratio Lower Upper

168 100

139 40.5 32.6 49.0

169 12.8 10.7 16.1



#56

4-Nitrophenol

Concen: 23.898 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.018 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

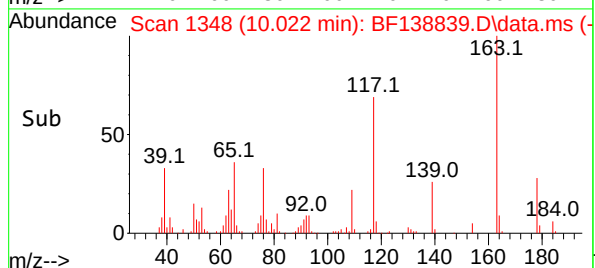
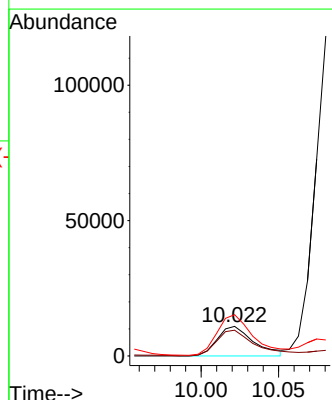
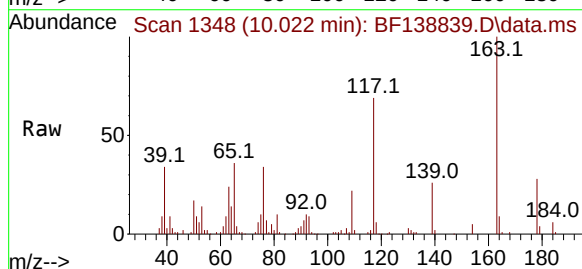
Tgt Ion:139 Resp: 17830

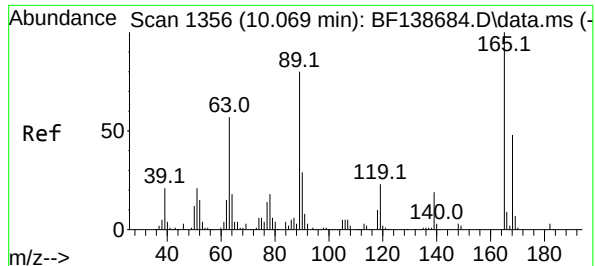
Ion Ratio Lower Upper

139 100

109 86.9 55.5 95.5

65 139.4 96.7 136.7#





#57

2,4-Dinitrotoluene

Concen: 58.287 ng

RT: 10.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

Tgt Ion:165 Resp: 89249

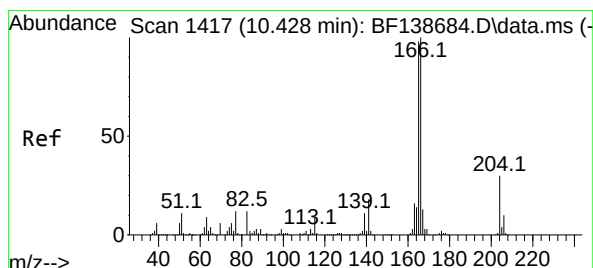
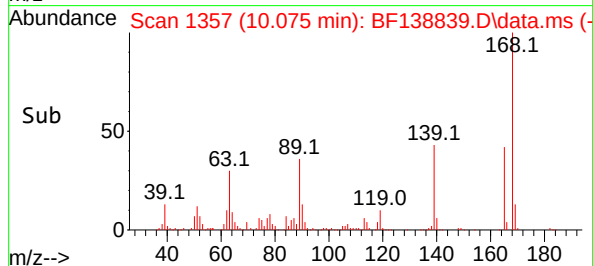
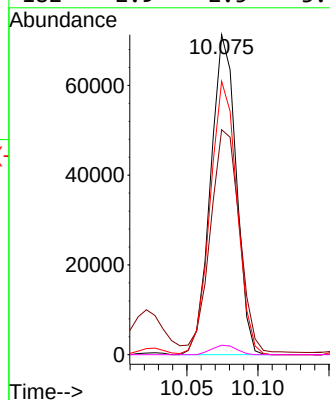
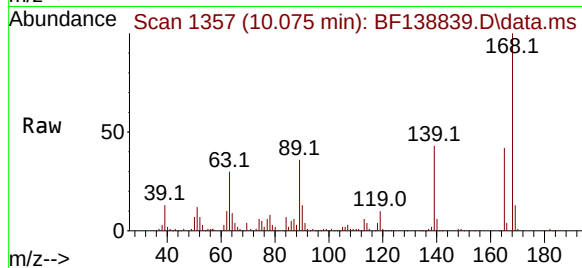
Ion Ratio Lower Upper

165 100

63 70.3 46.3 69.5#

89 85.4 64.2 96.4

182 2.9 2.5 3.7



#58

Fluorene

Concen: 56.744 ng

RT: 10.427 min Scan# 1417

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

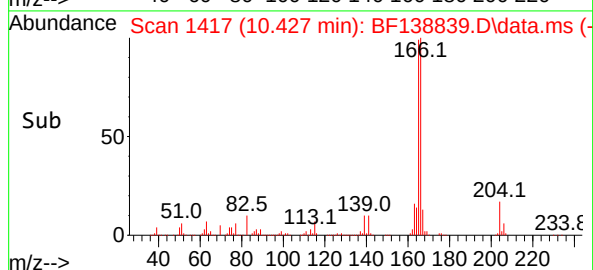
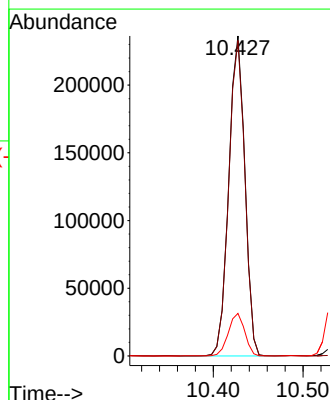
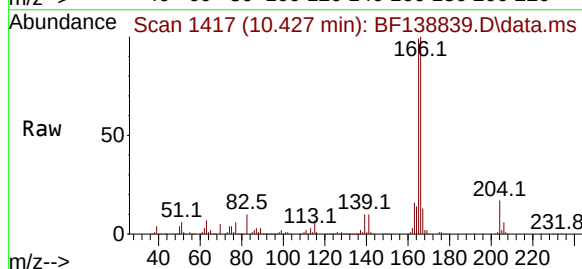
Tgt Ion:166 Resp: 294609

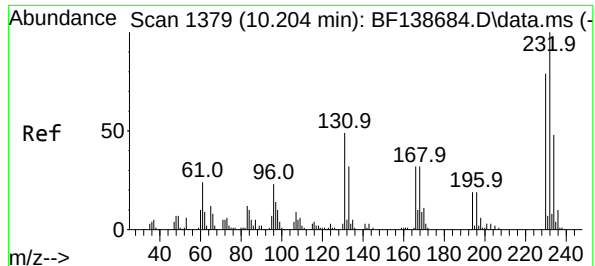
Ion Ratio Lower Upper

166 100

165 98.6 78.4 117.6

167 13.3 10.6 16.0

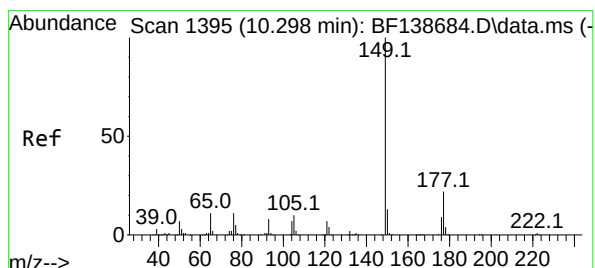
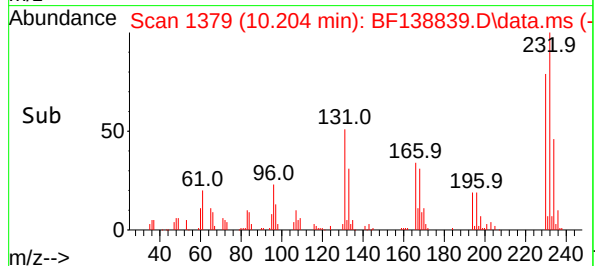
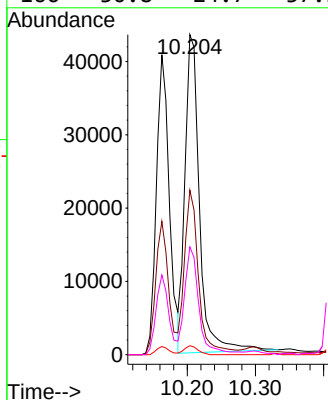
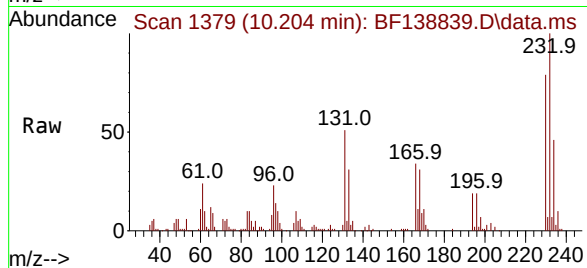




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.271 ng
RT: 10.204 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

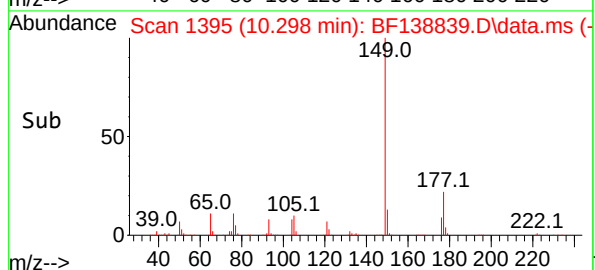
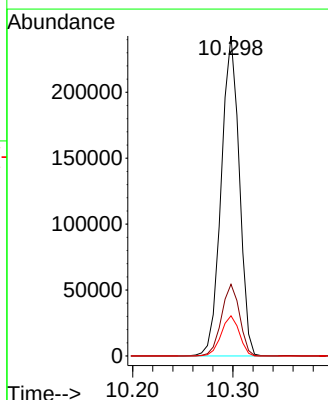
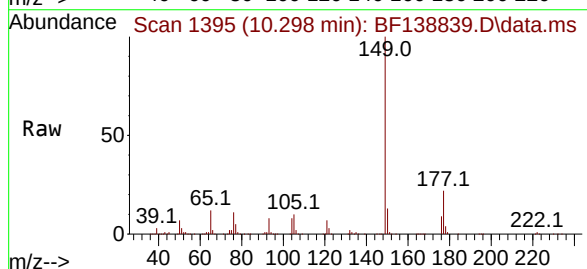
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

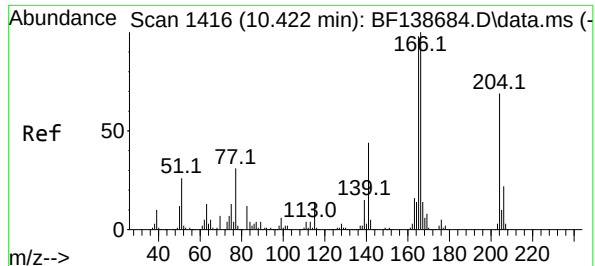
Tgt Ion:232 Resp: 63893
Ion Ratio Lower Upper
232 100
131 49.6 37.0 55.4
130 2.6 2.0 3.0
166 30.8 24.7 37.1



#60
Diethylphthalate
Concen: 60.186 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion:149 Resp: 303474
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.8
150 12.6 10.1 15.1

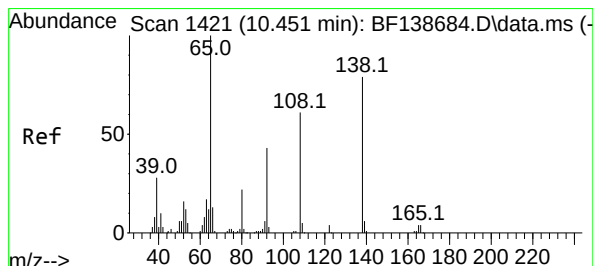
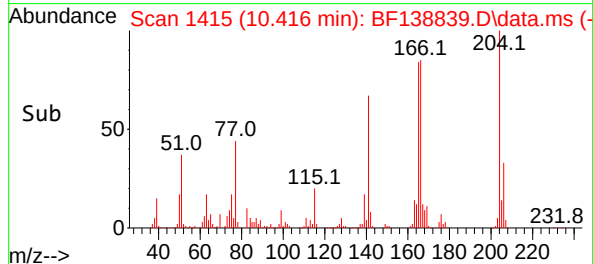
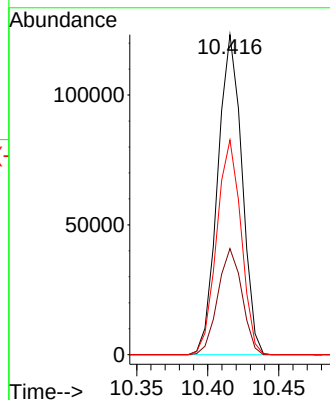
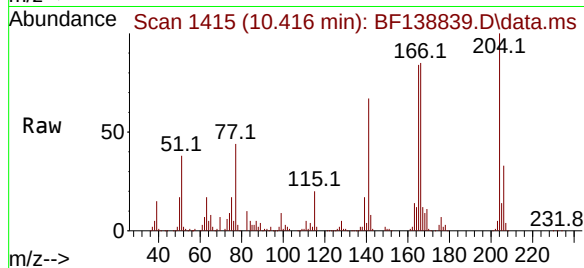




#61
4-Chlorophenyl-phenylether
Concen: 57.284 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

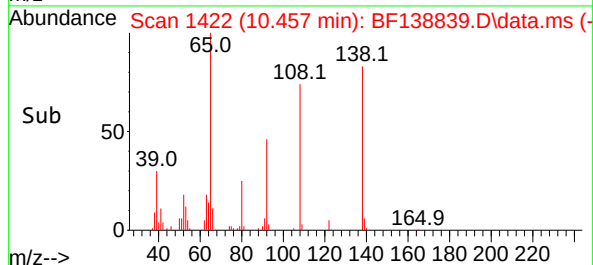
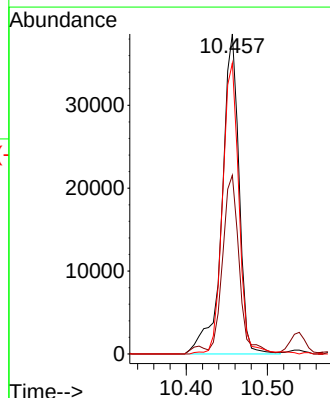
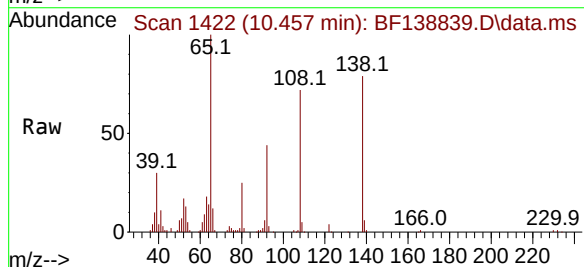
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

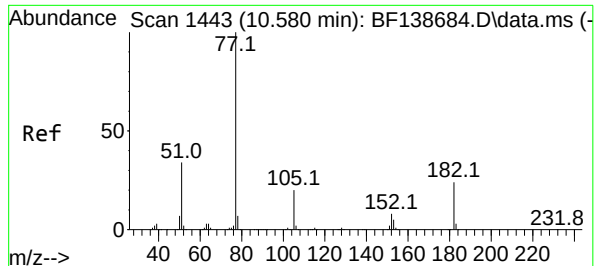
Tgt Ion:204 Resp: 146272
Ion Ratio Lower Upper
204 100
206 33.1 26.1 39.1
141 67.1 51.4 77.0



#62
4-Nitroaniline
Concen: 47.846 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion:138 Resp: 56412
Ion Ratio Lower Upper
138 100
92 55.8 34.2 74.2
108 90.9 56.2 96.2

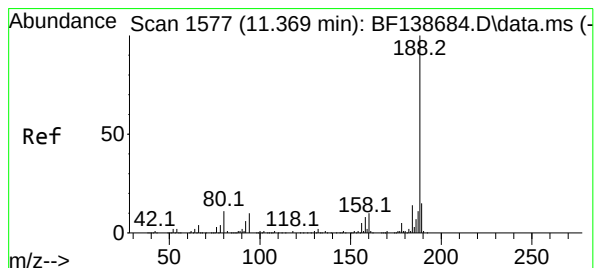
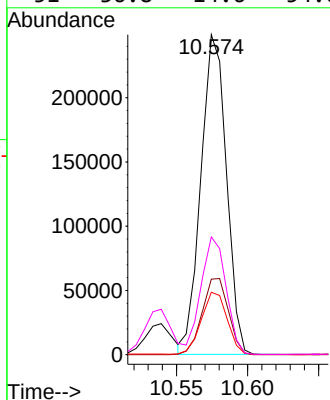
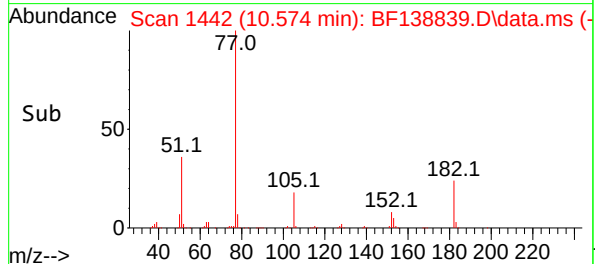
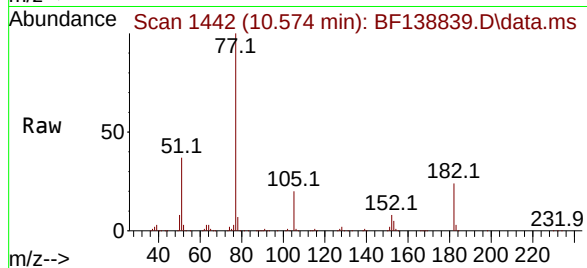




#63
Azobenzene
Concen: 55.619 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

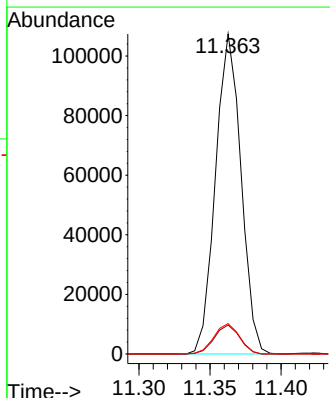
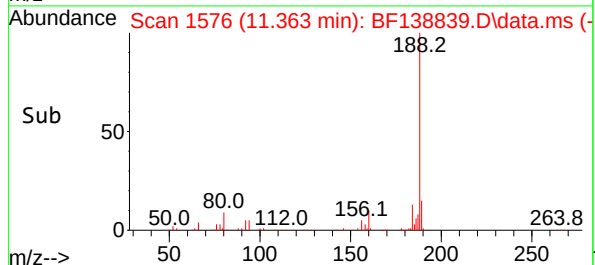
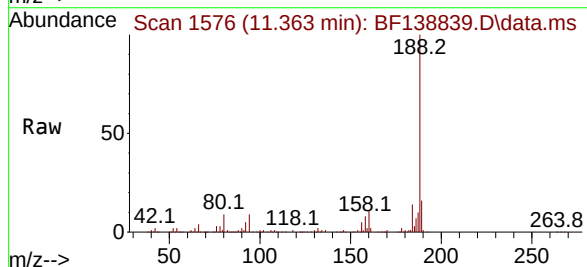
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

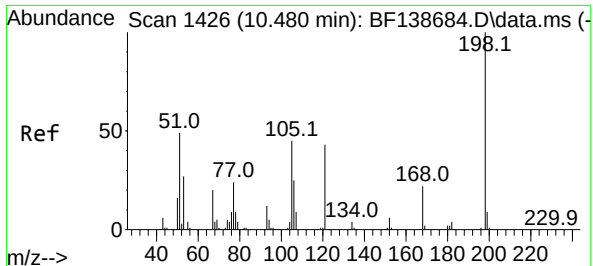
Tgt Ion: 77 Resp: 311041
Ion Ratio Lower Upper
77 100
182 23.6 3.4 43.4
105 19.5 0.2 40.2
51 36.8 14.6 54.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion: 188 Resp: 133927
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.5 8.6 12.8

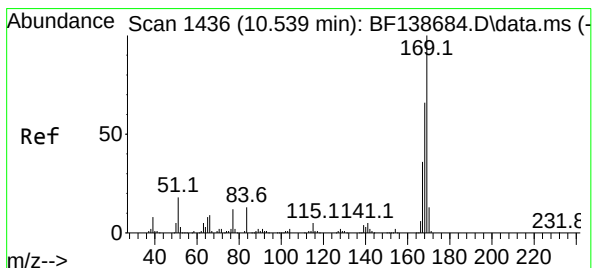
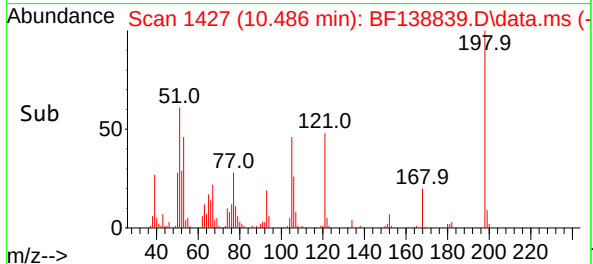
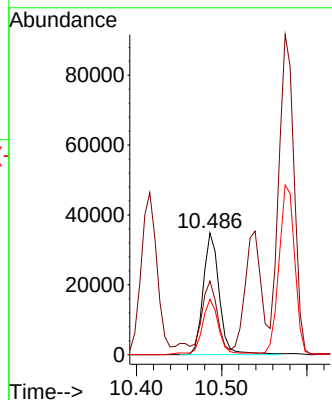
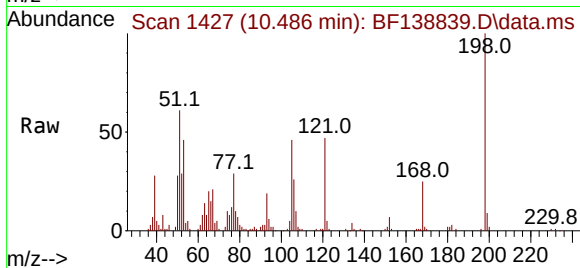




#65
4,6-Dinitro-2-methylphenol
Concen: 55.807 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

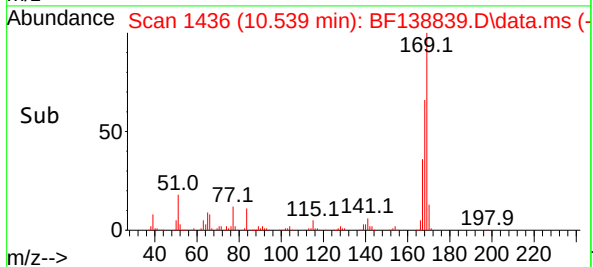
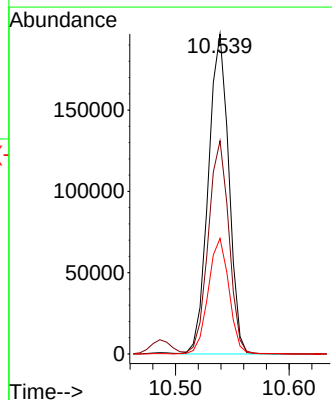
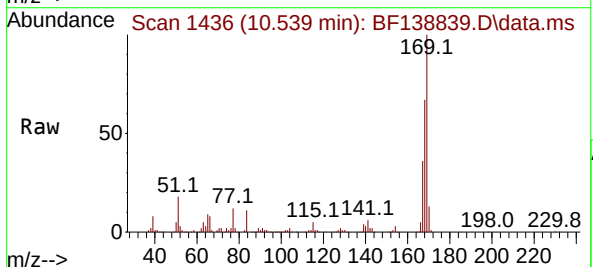
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

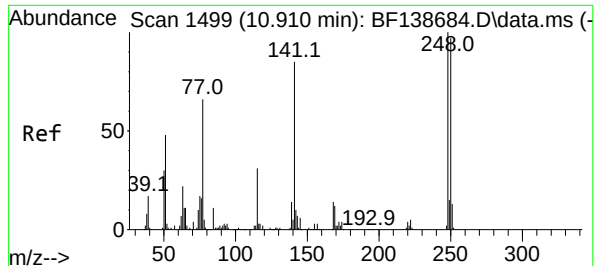
Tgt Ion	Ratio	Lower	Upper
198	100		
51	60.6	39.9	79.9
105	45.5	26.1	66.1



#66
n-Nitrosodiphenylamine
Concen: 58.693 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.6
167	36.1	29.0	43.6

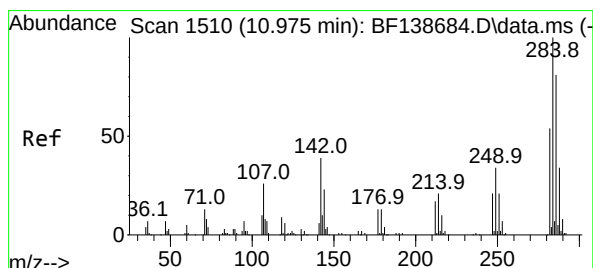
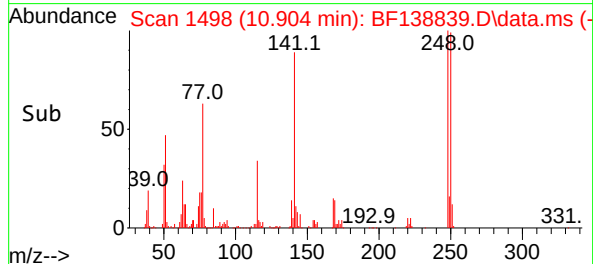
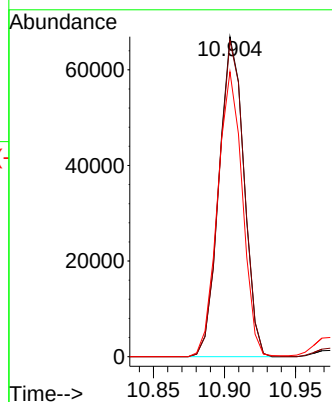
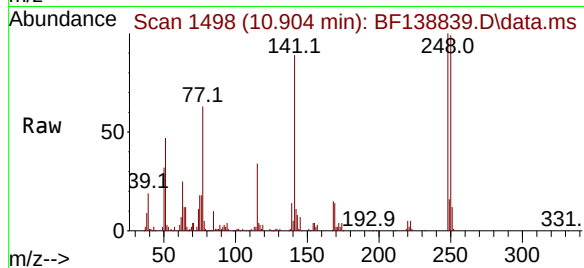




#67
4-Bromophenyl-phenylether
Concen: 56.097 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

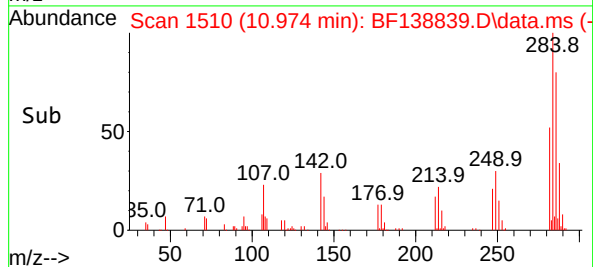
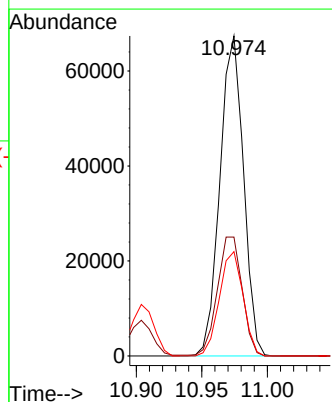
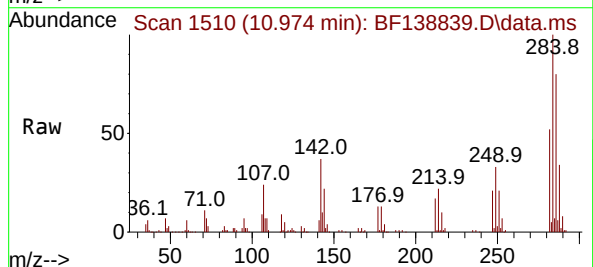
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

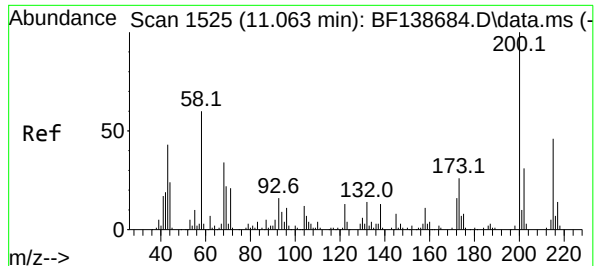
Tgt Ion:248 Resp: 81341
Ion Ratio Lower Upper
248 100
250 98.8 77.7 116.5
141 89.0 68.0 102.0



#68
Hexachlorobenzene
Concen: 56.233 ng
RT: 10.974 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion:284 Resp: 84189
Ion Ratio Lower Upper
284 100
142 37.1 31.3 46.9
249 32.6 27.2 40.8





#69

Atrazine

Concen: 63.392 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

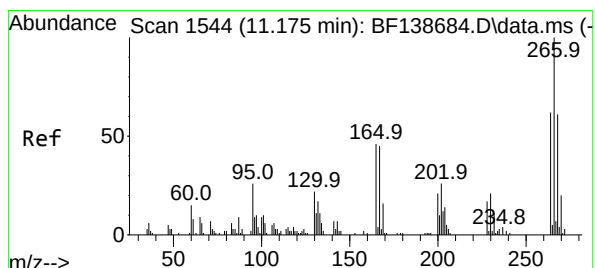
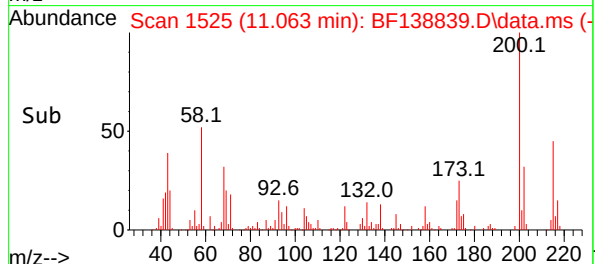
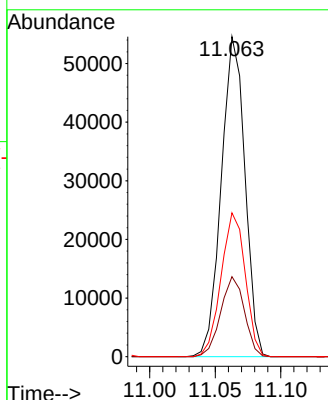
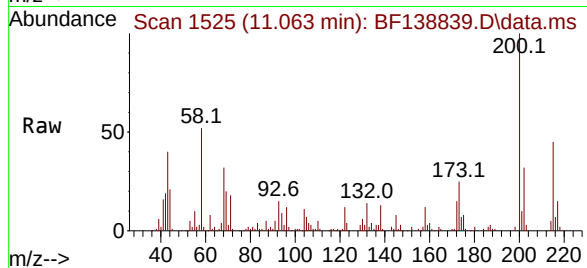
Tgt Ion:200 Resp: 68467

Ion Ratio Lower Upper

200 100

173 25.0 6.0 46.0

215 45.0 26.1 66.1



#70

Pentachlorophenol

Concen: 87.141 ng

RT: 11.174 min Scan# 1544

Delta R.T. -0.001 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

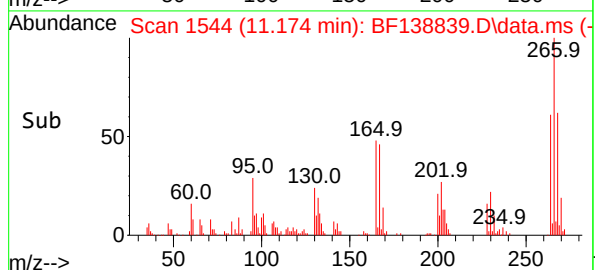
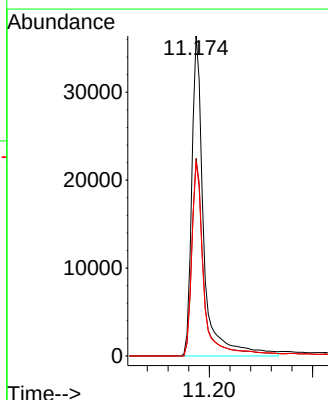
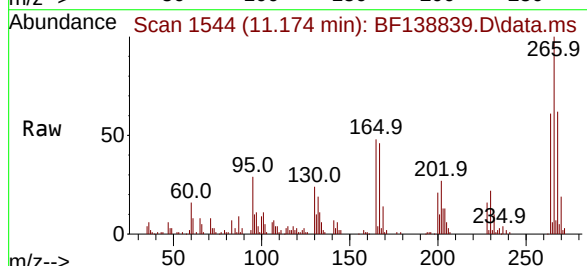
Tgt Ion:266 Resp: 58805

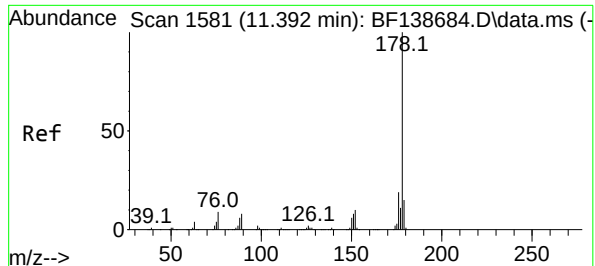
Ion Ratio Lower Upper

266 100

268 61.8 49.2 73.8

264 60.6 49.8 74.6

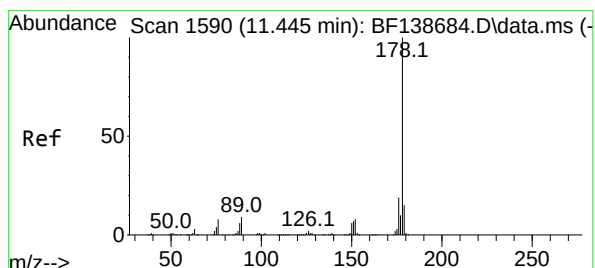
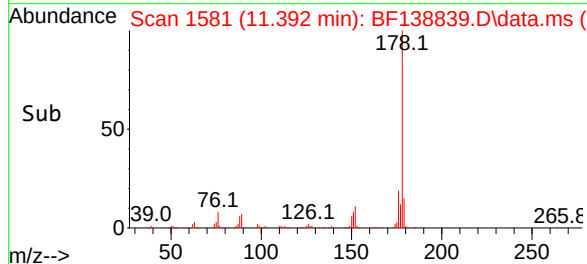
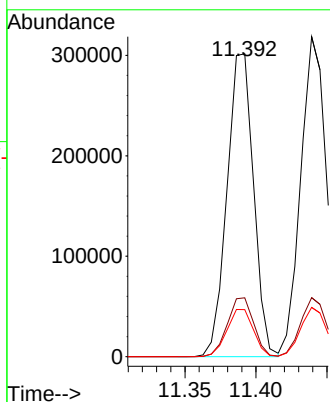
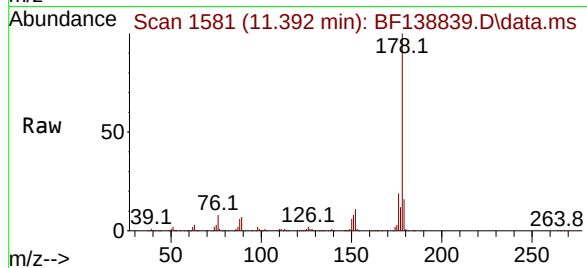




#71
Phenanthrene
Concen: 57.074 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

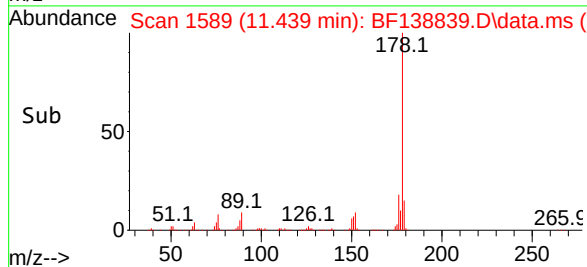
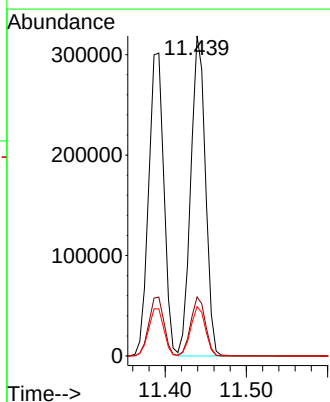
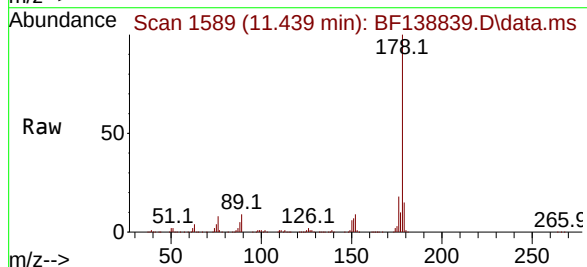
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

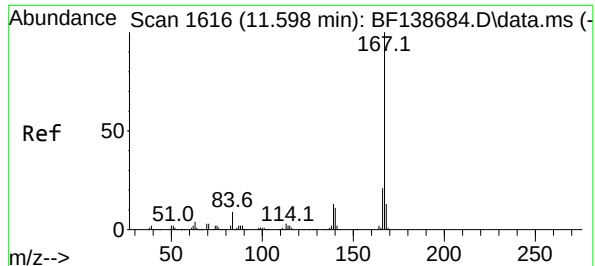
Tgt Ion:178 Resp: 393591
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.2 18.2



#72
Anthracene
Concen: 58.910 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion:178 Resp: 400214
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.4 12.4 18.6





#73

Carbazole

Concen: 53.604 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

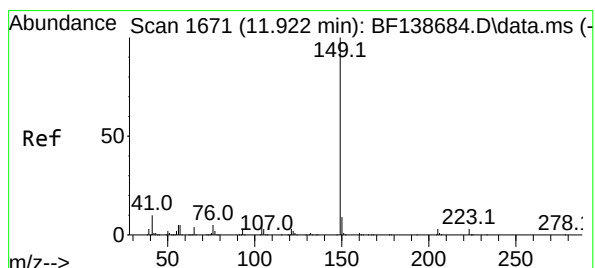
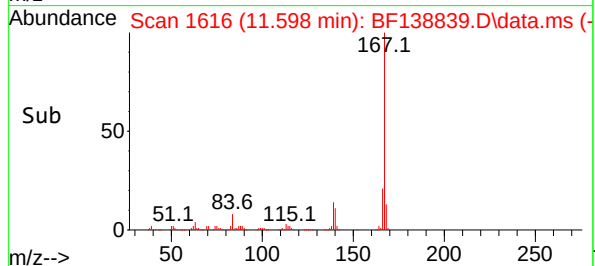
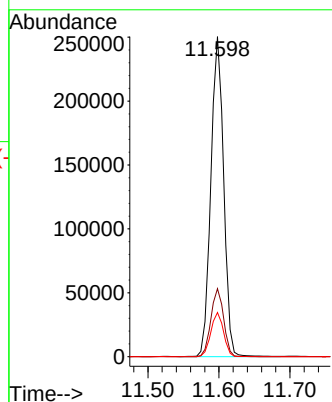
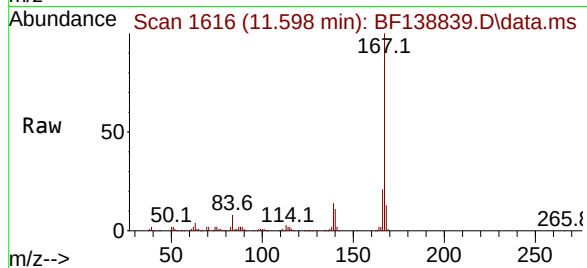
Tgt Ion:167 Resp: 314185

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 61.834 ng

RT: 11.916 min Scan# 1670

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

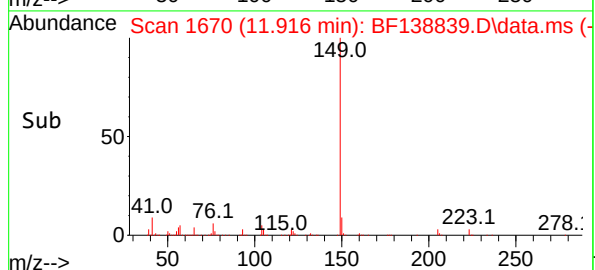
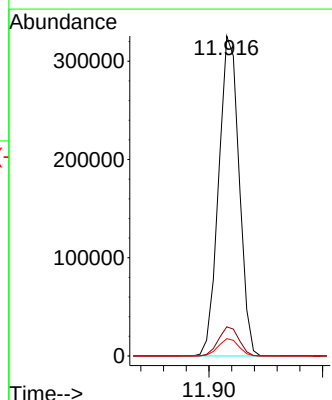
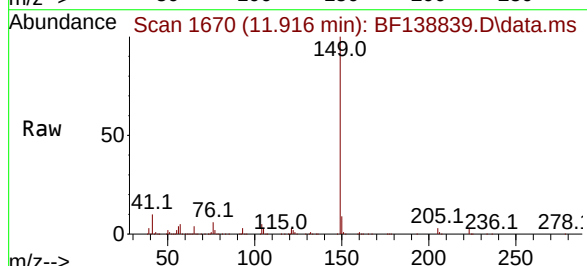
Tgt Ion:149 Resp: 407424

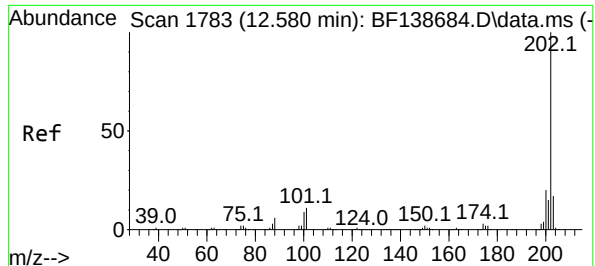
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.4 4.1 6.1





#75

Fluoranthene

Concen: 52.055 ng

RT: 12.574 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

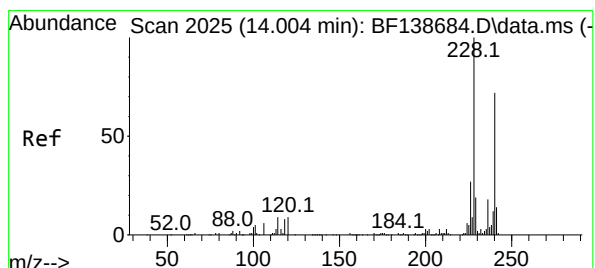
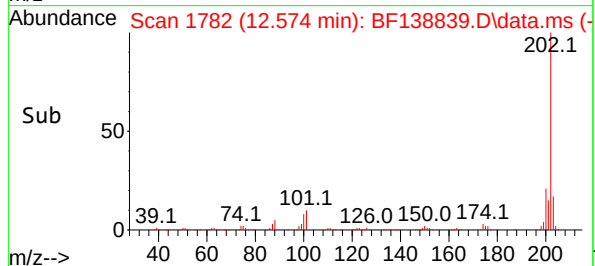
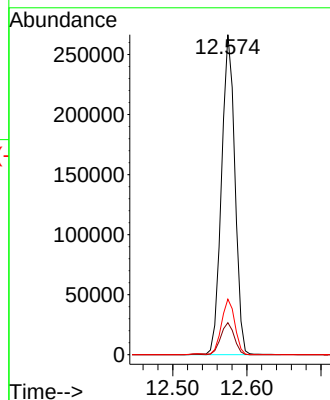
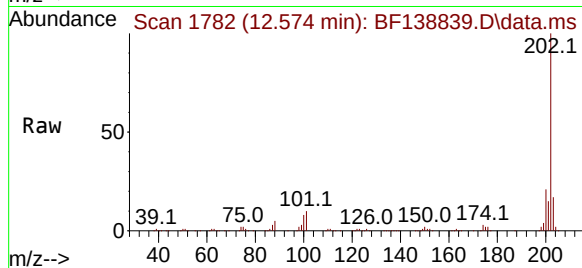
Tgt Ion:202 Resp: 335130

Ion Ratio Lower Upper

202 100

101 10.0 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: BF138839.D

Acq: 07 Aug 2024 13:35

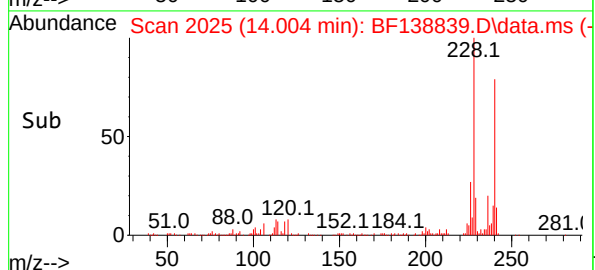
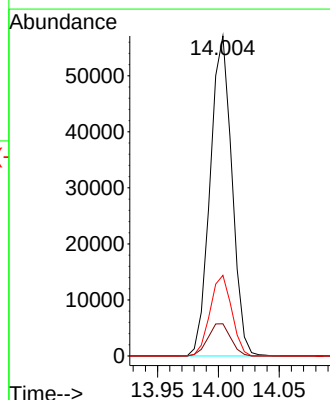
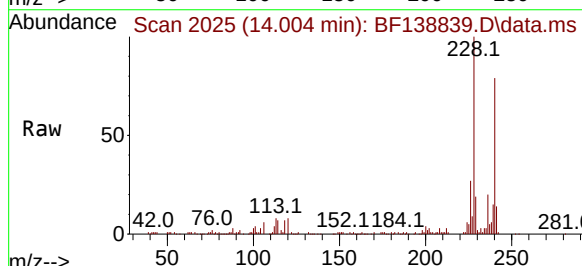
Tgt Ion:240 Resp: 71097

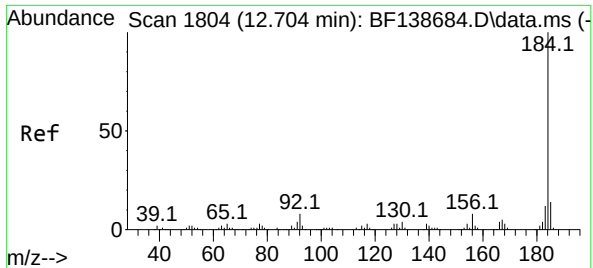
Ion Ratio Lower Upper

240 100

120 10.0 10.2 15.4#

236 25.2 19.8 29.8

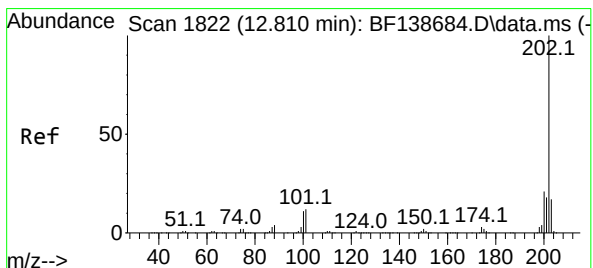
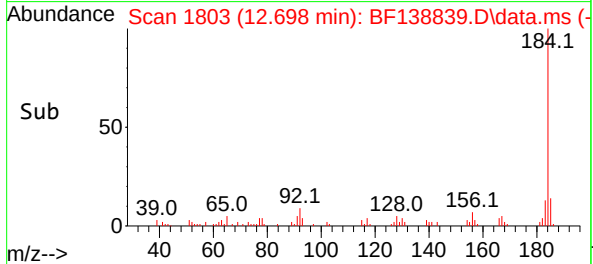
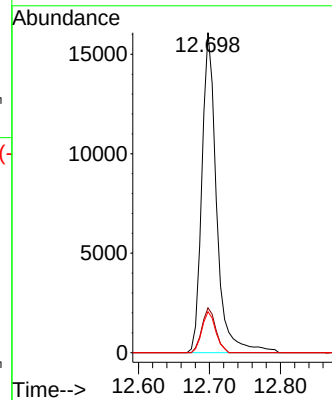
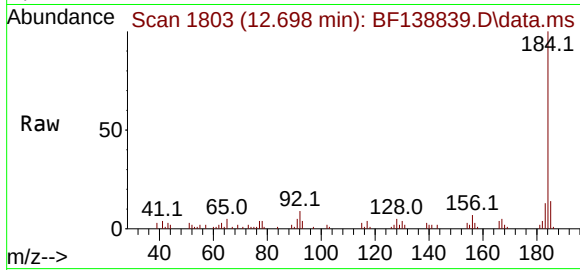




#77
Benzidine
Concen: 13.676 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

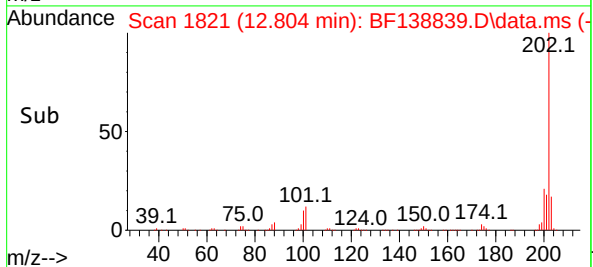
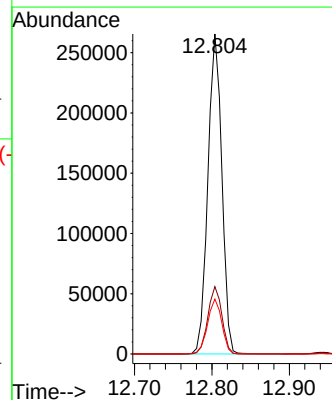
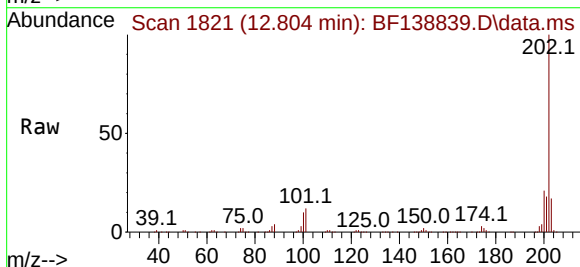
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD

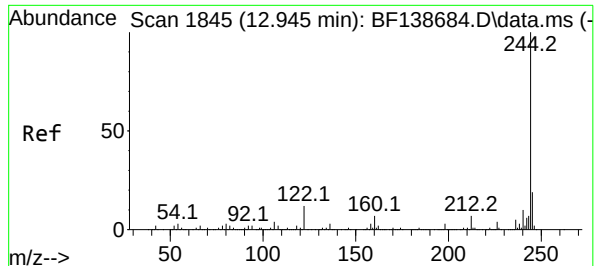
Tgt Ion:184 Resp: 23256
Ion Ratio Lower Upper
184 100
185 14.0 11.1 16.7
183 12.8 9.6 14.4



#78
Pyrene
Concen: 49.569 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

Tgt Ion:202 Resp: 331815
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 112.752 ng

RT: 12.945 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

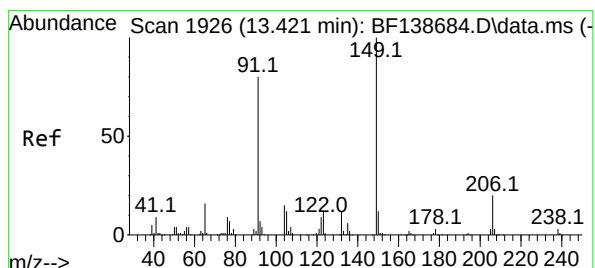
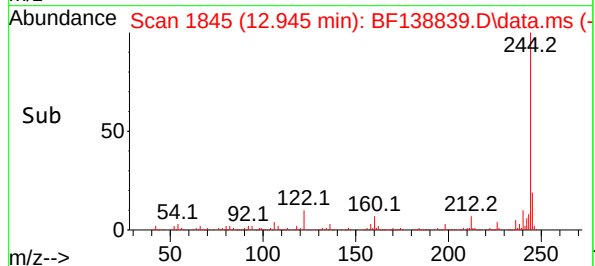
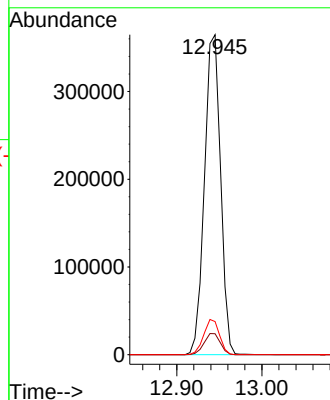
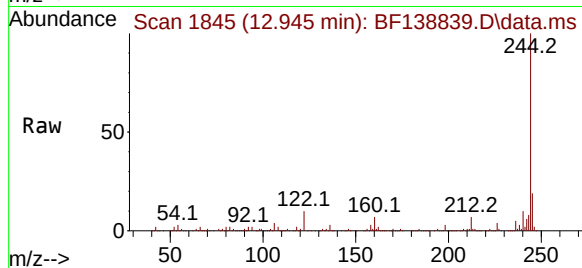
Tgt Ion:244 Resp: 478797

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.3 9.6 14.4



#80

Butylbenzylphthalate

Concen: 60.235 ng

RT: 13.415 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

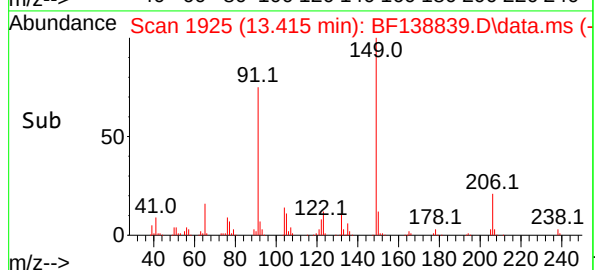
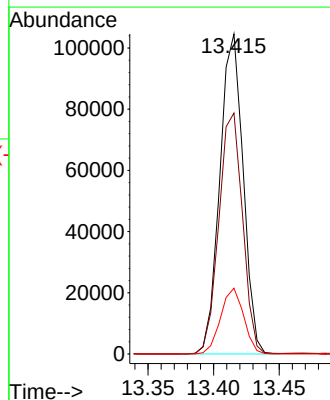
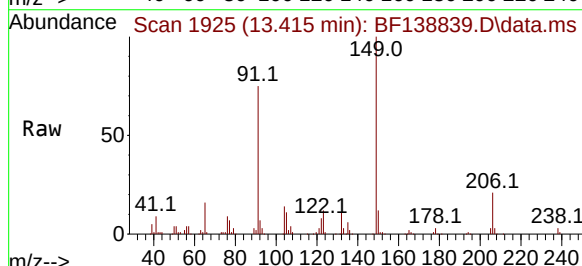
Tgt Ion:149 Resp: 129121

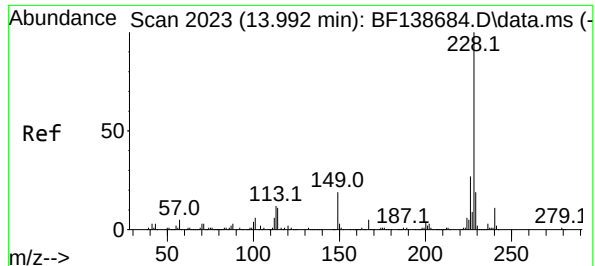
Ion Ratio Lower Upper

149 100

91 75.3 63.7 95.5

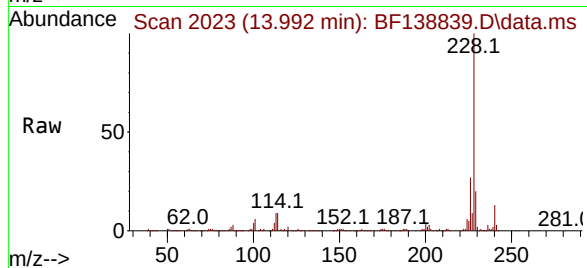
206 20.5 16.2 24.2



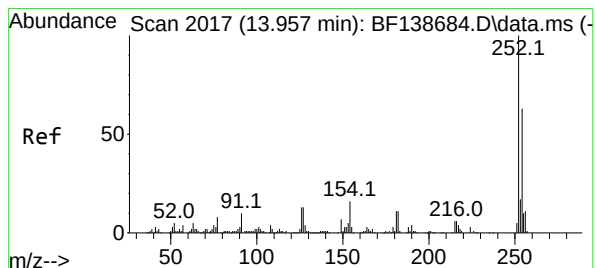
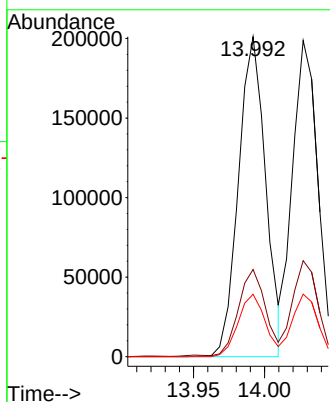
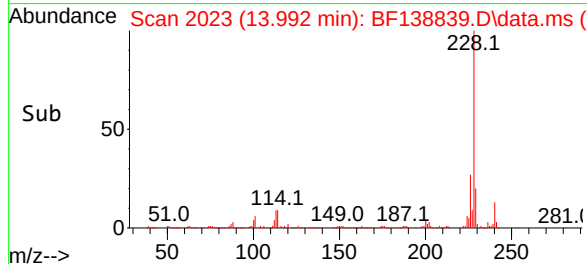


#81
Benzo(a)anthracene
Concen: 54.677 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35

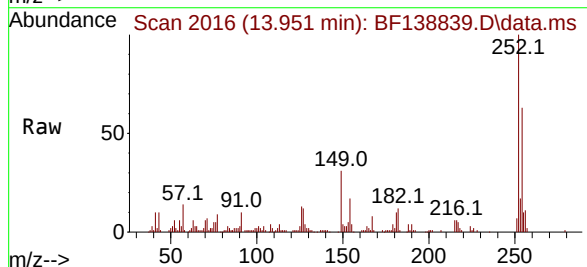
Instrument :
BNA_F
ClientSampleId :
923-K1-WS-080124MSD



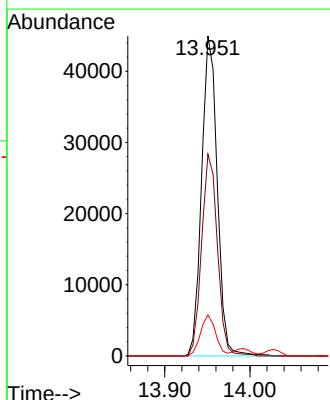
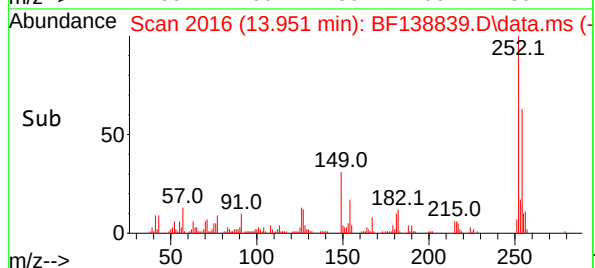
Tgt Ion:228 Resp: 267693
Ion Ratio Lower Upper
228 100
226 27.2 22.1 33.1
229 19.5 15.4 23.0

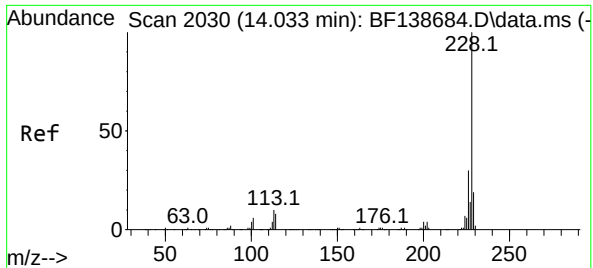


#82
3,3'-Dichlorobenzidine
Concen: 45.839 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138839.D
Acq: 07 Aug 2024 13:35



Tgt Ion:252 Resp: 57431
Ion Ratio Lower Upper
252 100
254 63.0 50.8 76.2
126 12.8 10.2 15.2





#83

Chrysene

Concen: 55.568 ng

RT: 14.027 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138839.D

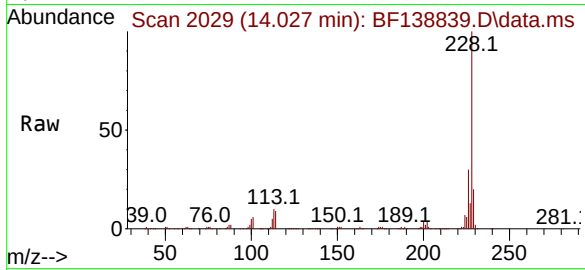
Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD



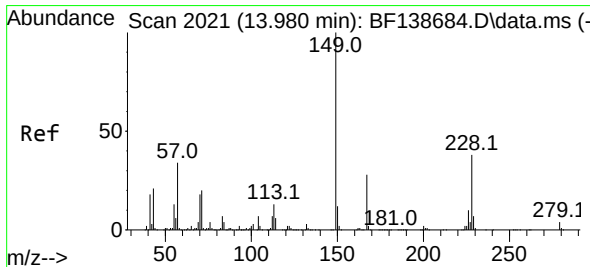
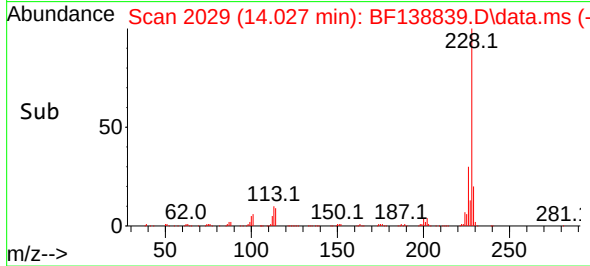
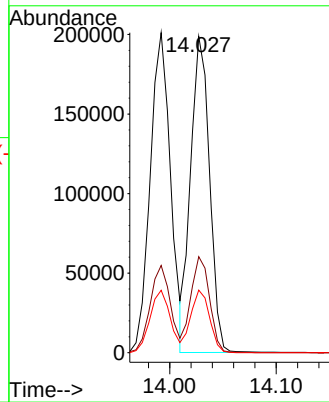
Tgt Ion:228 Resp: 245446

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 19.8 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.143 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

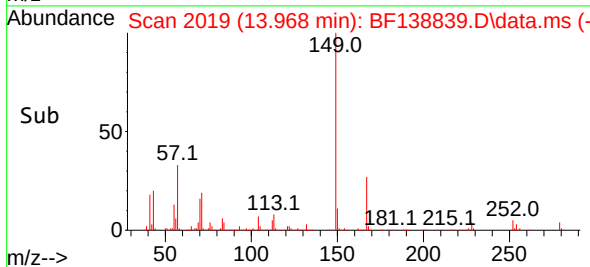
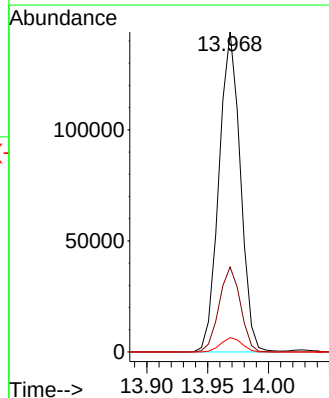
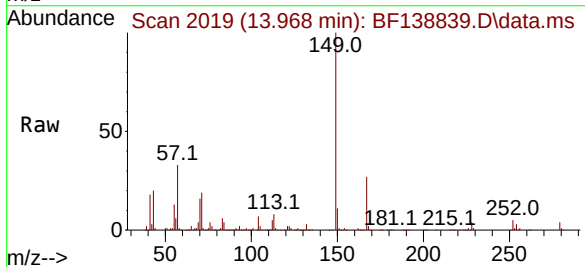
Tgt Ion:149 Resp: 176230

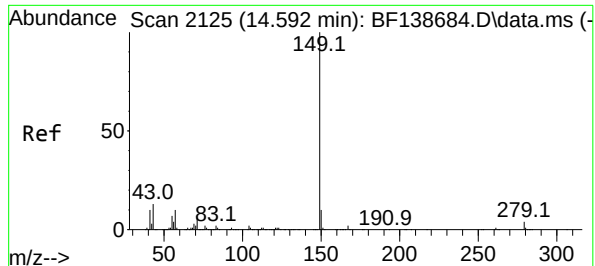
Ion Ratio Lower Upper

149 100

167 26.5 22.2 33.4

279 4.5 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 52.023 ng

RT: 14.580 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

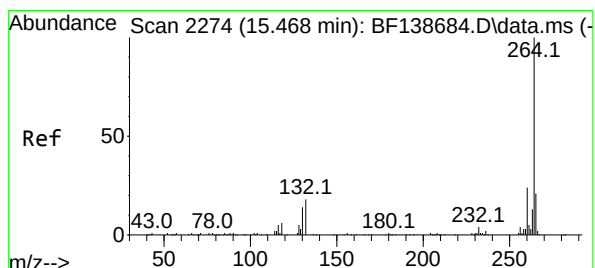
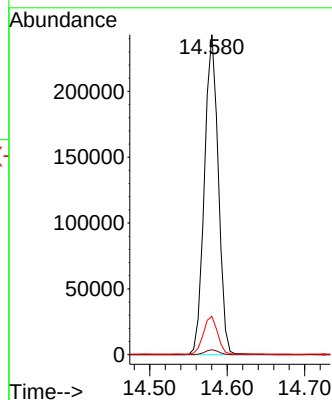
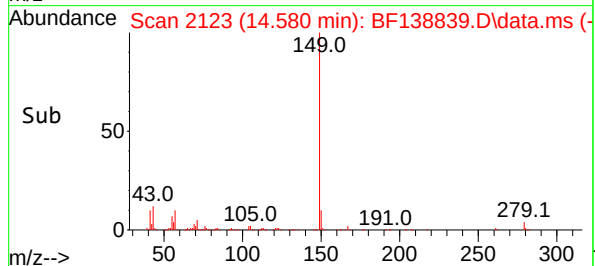
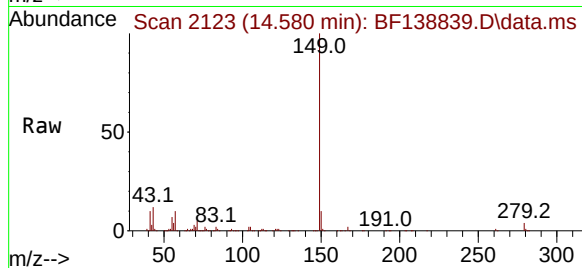
Tgt Ion:149 Resp: 302129

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 11.9 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: BF138839.D

Acq: 07 Aug 2024 13:35

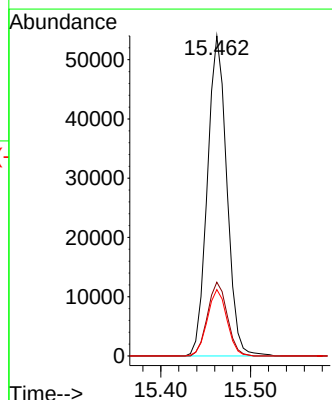
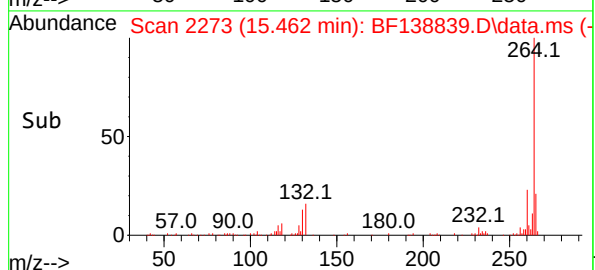
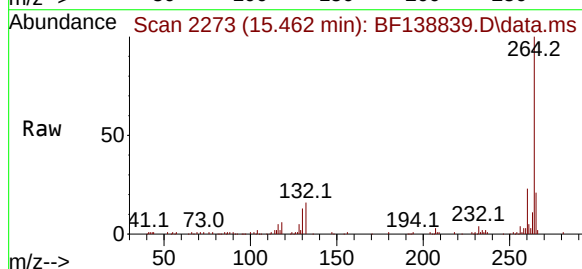
Tgt Ion:264 Resp: 81109

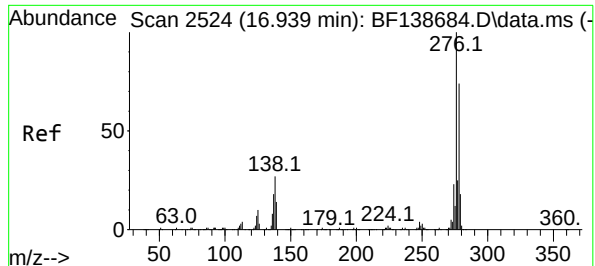
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 20.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.228 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

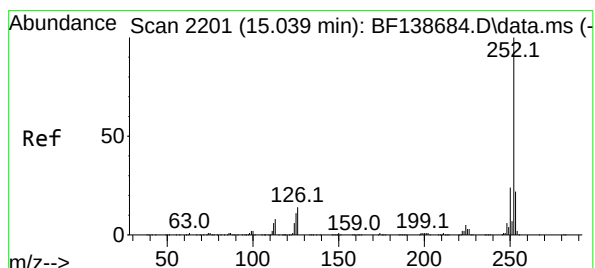
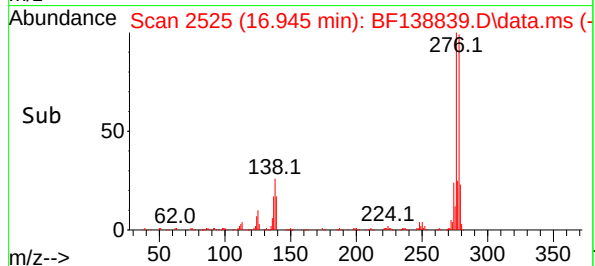
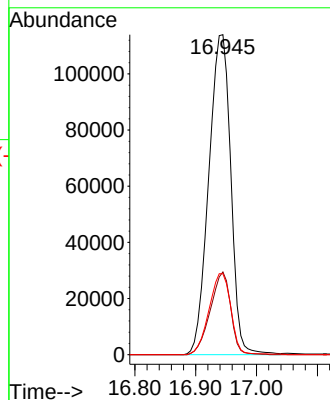
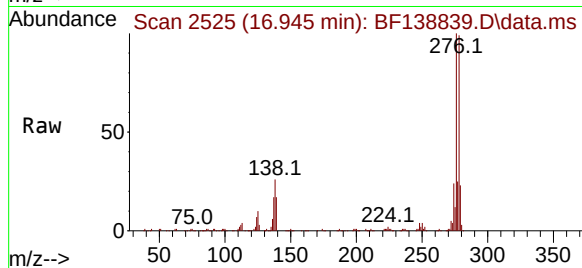
Tgt Ion:276 Resp: 286143

Ion Ratio Lower Upper

276 100

138 24.0 21.8 32.8

277 25.3 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 51.591 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

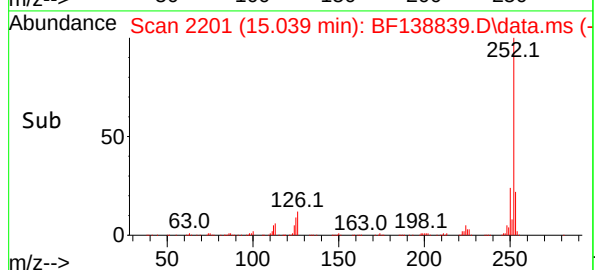
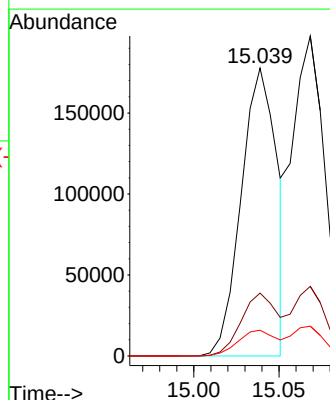
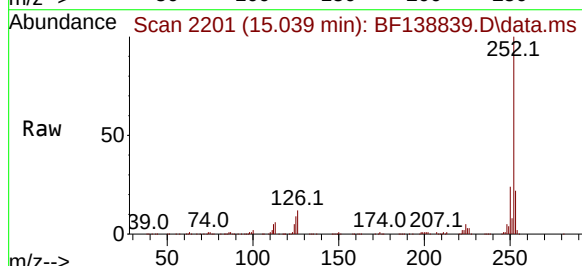
Tgt Ion:252 Resp: 259400

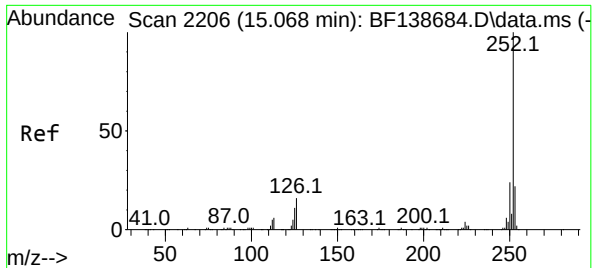
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 8.9 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 60.643 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

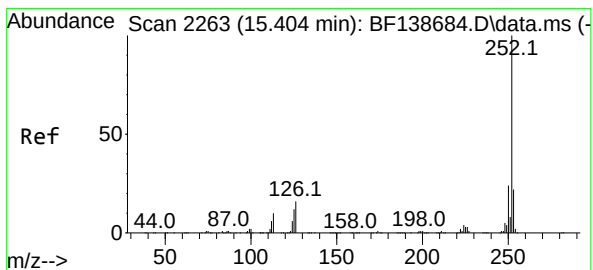
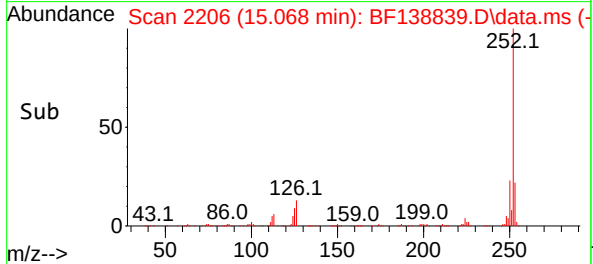
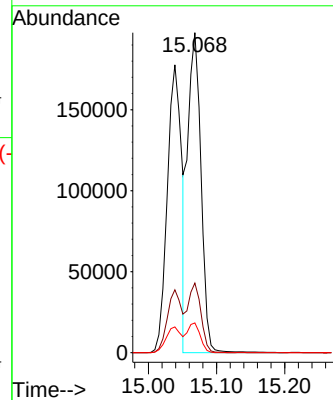
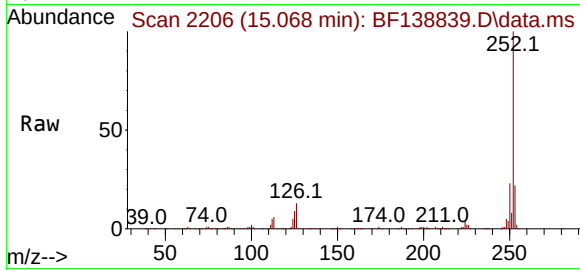
Tgt Ion:252 Resp: 263997

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.3 8.6 13.0



#90

Benzo(a)pyrene

Concen: 58.683 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

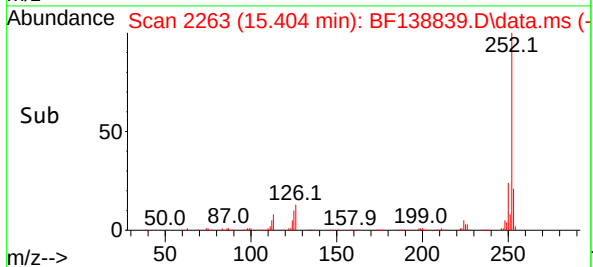
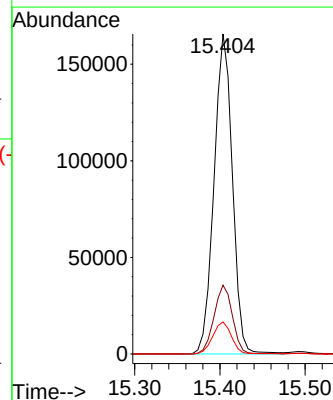
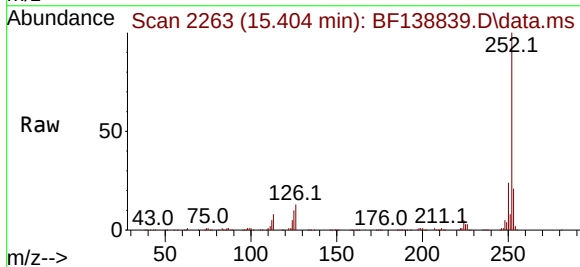
Tgt Ion:252 Resp: 248185

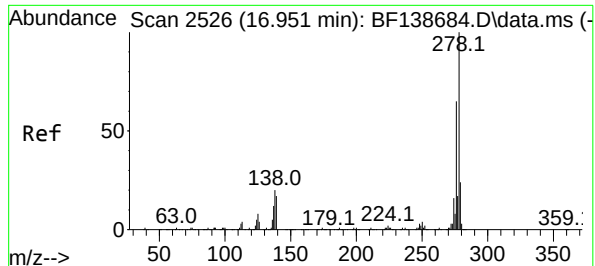
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 10.0 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 47.953 ng

RT: 16.951 min Scan# 2526

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

Instrument :

BNA_F

ClientSampleId :

923-K1-WS-080124MSD

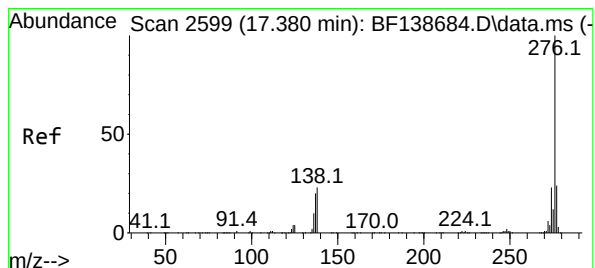
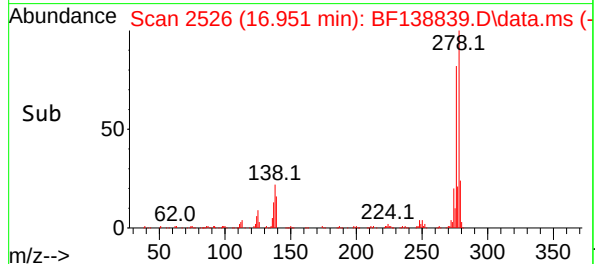
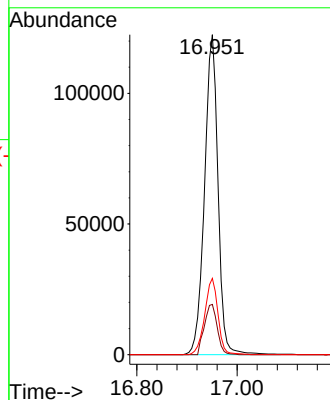
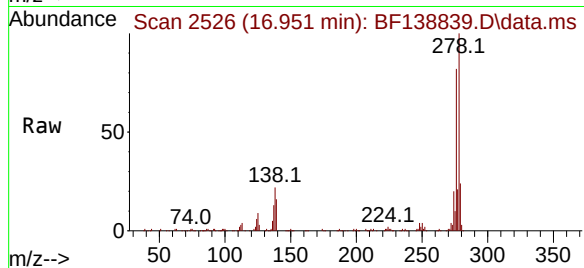
Tgt Ion:278 Resp: 228803

Ion Ratio Lower Upper

278 100

139 15.7 14.0 21.0

279 23.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 42.437 ng

RT: 17.380 min Scan# 2599

Delta R.T. -0.000 min

Lab File: BF138839.D

Acq: 07 Aug 2024 13:35

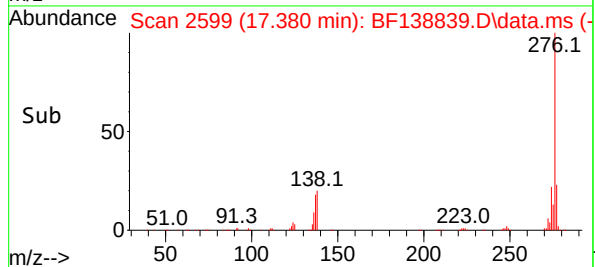
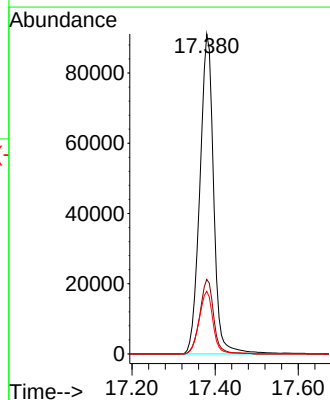
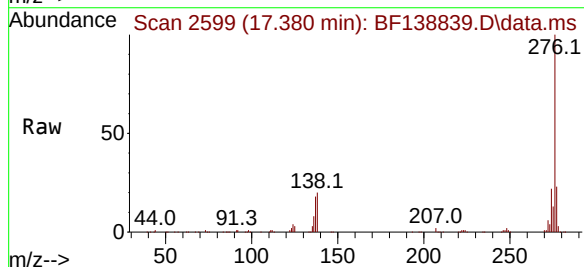
Tgt Ion:276 Resp: 210118

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 19.6 18.5 27.7





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Manual Integration Report

Sequence:	bf073024	Instrument	BNA_f

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 incorrectly



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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
P3440-02MS	BF138838.D	Benzoic acid	yogesh	8/8/2024 8:44:10 AM	mohammad	8/8/2024 9:27:02 AM	Peak Integrated by Software incorrectly



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Manual Integration Report

Sequence:	BF080824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB162463BS	BF138866.D	Caprolactam	yogesh	8/9/2024 4:08:16 AM	mohammad	8/9/2024 4:35:57 AM	Peak Integrated by Software incorrectly

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

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF080824

Review By	yogesh	Review On	8/9/2024 4:08:45 AM
Supervise By	mohammad	Supervise On	8/9/2024 4:35:57 AM
SubDirectory	BF080824	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	BF138855.D	08 Aug 2024 09:48	RC/JU	Ok
2	SSTDCCC040	BF138856.D	08 Aug 2024 10:19	RC/JU	Ok
3	PB162396BL	BF138857.D	08 Aug 2024 10:49	RC/JU	Ok
4	PB162396BS	BF138858.D	08 Aug 2024 11:19	RC/JU	Ok,M
5	PB162396BSD	BF138859.D	08 Aug 2024 11:50	RC/JU	Ok,M
6	PB162342BL	BF138860.D	08 Aug 2024 12:21	RC/JU	Ok
7	PB162342BS	BF138861.D	08 Aug 2024 12:51	RC/JU	Ok,M
8	PB162401BL	BF138862.D	08 Aug 2024 13:22	RC/JU	Ok
9	PB162401BS	BF138863.D	08 Aug 2024 13:52	RC/JU	Ok,M
10	PB162401TB	BF138864.D	08 Aug 2024 14:23	RC/JU	Ok
11	PB162421BS	BF138865.D	08 Aug 2024 14:53	RC/JU	Ok,M
12	PB162463BS	BF138866.D	08 Aug 2024 15:22	RC/JU	Ok,M
13	P3415-03	BF138867.D	08 Aug 2024 15:58	RC/JU	Ok
14	P3416-01	BF138868.D	08 Aug 2024 16:28	RC/JU	Ok
15	P3416-02	BF138869.D	08 Aug 2024 16:59	RC/JU	Ok
16	P3416-03	BF138870.D	08 Aug 2024 17:30	RC/JU	Ok
17	P3488-01	BF138871.D	08 Aug 2024 18:01	RC/JU	Ok,M
18	P3488-03	BF138872.D	08 Aug 2024 18:31	RC/JU	Ok
19	P3464-01	BF138873.D	08 Aug 2024 19:02	RC/JU	Ok,M
20	P3484-01	BF138874.D	08 Aug 2024 19:33	RC/JU	Ok,M
21	P3461-01	BF138875.D	08 Aug 2024 20:04	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF080824

Review By	yogesh	Review On	8/9/2024 4:08:45 AM		
Supervise By	mohammad	Supervise On	8/9/2024 4:35:57 AM		
SubDirectory	BF080824	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	P3483-01	BF138876.D	08 Aug 2024 20:34	RC/JU	ReRun
23	P3394-01	BF138877.D	08 Aug 2024 21:05	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-WP0-0.25-08012	BF138841.D	07 Aug 2024 14:34		RC/JU	Ok
10	P3450-02	923-K1-WP0-0.25-0801	BF138842.D	07 Aug 2024 15:04		RC/JU	Ok
11	P3450-03	922-K1-WP0-0.25-0801	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-WP0-0-0.25-07	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-WP0-0-0.25-07	BF138851.D	07 Aug 2024 19:37		RC/JU	Ok
20	P3430-03	926-K1-WP0-0-0.25-07	BF138852.D	07 Aug 2024 20:07		RC/JU	Ok
21	P3430-04	931-K1-WP0-0-0.25-07	BF138853.D	07 Aug 2024 20:37		RC/JU	Ok
22	P3430-05	925-K1-WP0-0-0.25-07	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 # BF080824

Review By	yogesh	Review On	8/9/2024 4:08:45 AM
Supervise By	mohammad	Supervise On	8/9/2024 4:35:57 AM
SubDirectory	BF080824	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	BF138855.D	08 Aug 2024 09:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138856.D	08 Aug 2024 10:19		RC/JU	Ok
3	PB162396BL	PB162396BL	BF138857.D	08 Aug 2024 10:49		RC/JU	Ok
4	PB162396BS	PB162396BS	BF138858.D	08 Aug 2024 11:19		RC/JU	Ok,M
5	PB162396BSD	PB162396BSD	BF138859.D	08 Aug 2024 11:50		RC/JU	Ok,M
6	PB162342BL	PB162342BL	BF138860.D	08 Aug 2024 12:21		RC/JU	Ok
7	PB162342BS	PB162342BS	BF138861.D	08 Aug 2024 12:51		RC/JU	Ok,M
8	PB162401BL	PB162401BL	BF138862.D	08 Aug 2024 13:22		RC/JU	Ok
9	PB162401BS	PB162401BS	BF138863.D	08 Aug 2024 13:52		RC/JU	Ok,M
10	PB162401TB	PB162401TB	BF138864.D	08 Aug 2024 14:23		RC/JU	Ok
11	PB162421BS	PB162421BS	BF138865.D	08 Aug 2024 14:53		RC/JU	Ok,M
12	PB162463BS	PB162463BS	BF138866.D	08 Aug 2024 15:22		RC/JU	Ok,M
13	P3415-03	MLS-15-70-85	BF138867.D	08 Aug 2024 15:58		RC/JU	Ok
14	P3416-01	MLS-15-106-121	BF138868.D	08 Aug 2024 16:28		RC/JU	Ok
15	P3416-02	MLS-15-135-150	BF138869.D	08 Aug 2024 16:59		RC/JU	Ok
16	P3416-03	MLS-15-9999	BF138870.D	08 Aug 2024 17:30		RC/JU	Ok
17	P3488-01	HD-01-080624	BF138871.D	08 Aug 2024 18:01		RC/JU	Ok,M
18	P3488-03	HD-02-080624	BF138872.D	08 Aug 2024 18:31		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF080824

Review By	yogesh	Review On	8/9/2024 4:08:45 AM		
Supervise By	mohammad	Supervise On	8/9/2024 4:35:57 AM		
SubDirectory	BF080824	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	P3464-01	TOPSOIL	BF138873.D	08 Aug 2024 19:02		RC/JU	Ok,M
20	P3484-01	B	BF138874.D	08 Aug 2024 19:33		RC/JU	Ok,M
21	P3461-01	CHRT-28607	BF138875.D	08 Aug 2024 20:04	Internal Standard Fail	RC/JU	Ok,M
22	P3483-01	A	BF138876.D	08 Aug 2024 20:34	Internal Standard Fail	RC/JU	ReRun
23	P3394-01	B-105-SB01	BF138877.D	08 Aug 2024 21:05	Internal standard failed	RC/JU	Ok

M : Manual Integration

SOP ID:	M3510C,3580A-Extraction SVOC-20		
Clean Up SOP #:	N/A	Extraction Start Date :	08/02/2024
Matrix :	Water	Extraction Start Time :	09:23
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	08/02/2024
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3574	Extraction End Time :	14:25
		Concentration By:	EH
		Supervisor By :	rajesh
Extraction Method:	☒ Separatory Funne ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standard 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	E3786
Baked Na2SO4	N/A	EP2518
10N NaoH	N/A	EP2514
H2SO4 1:1	N/A	EP2499
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot#2210673. pH Adjusted<2 with 1:1 H2SO4 &.11 with 10 N NaOH.

KD Bath ID:	Water bath -01,02	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/02/24 14:30	RP (E.H. 746)	Rajesh
	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 08/02/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162463BL	SBLK463	SVOCMS Group6	1000	6	RUPESH	ritesh	1			SEP-1
PB162463BS	SLCS463	SVOCMS Group6	1000	6	RUPESH	ritesh	1			2
P3440-01	923-K1-WS-080124	SVOCMS Group6	880	6	RUPESH	ritesh	1	E		3
P3440-02	P3440-01MS	SVOCMS Group6	910	6	RUPESH	ritesh	1	E		4
P3440-03	P3440-01MSD	SVOCMS Group6	910	6	RUPESH	ritesh	1	E		5
P3440-04	922-K1-WS-080124	SVOCMS Group6	890	6	RUPESH	ritesh	1	E		6
P3450-01	921-J-WPO-0.25-080124	SVOCMS Group6	960	6	RUPESH	ritesh	1	C		7
P3450-02	923-K1-WPO-0.25-080124	SVOCMS Group6	970	6	RUPESH	ritesh	1	C		8
P3450-03	422-K1-WPO-0.25-080124	SVOCMS Group6	970	6	RUPESH	ritesh	1	C		9
P3451-01	921-J-WS-080124	SVOCMS Group6	980	6	RUPESH	ritesh	1	E		10

* Extracts relinquished on the same date as received.



162463
9:23 AM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3450

WorkList ID : 182313

Department : Extraction

Date : 08-02-2024 09:18:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3450-01	921-J-WPO-0.25-080124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E
P3450-02	923-K1-WPO-0.25-080124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E
P3450-03	422-K1-WPO-0.25-080124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E
P3451-01	921-J-WS-080124	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D31	08/01/2024	8270-Modified
P3451-01	921-J-WS-080124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E

Date/Time 08/02/24 9:20
Raw Sample Received by: RS (Ext 164)
Raw Sample Relinquished by: AL

Date/Time 08/02/24 9:00
Raw Sample Received by: AL
Raw Sample Relinquished by: RS (Ext 164)

162463
9/23 BN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3440

WorkList ID : 182310

Department : Extraction

Date : 08-02-2024 08:38:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3419-01	286118	Water	PCB	Cool 4 deg C	PSEG03	N21	07/31/2024	8082A
P3440-01	923-K1-WS-080124	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D31	08/01/2024	8270-Modified
P3440-01	923-K1-WS-080124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E
P3440-02	P3440-01MS	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D31	08/01/2024	8270-Modified
P3440-02	P3440-01MS	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E
P3440-03	P3440-01MSD	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D31	08/01/2024	8270-Modified
P3440-03	P3440-01MSD	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E
P3440-04	922-K1-WS-080124	Water	SVOCMS Group3	Cool 4 deg C	JACO05	D31	08/01/2024	8270-Modified
P3440-04	922-K1-WS-080124	Water	SVOCMS Group6	Cool 4 deg C	JACO05	D31	08/01/2024	8270E

Date/Time 08/02/24 9:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 08/02/24 9:45

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Prep Standard - Chemical Standard Summary

Order ID : P3440

Test : SVOCMS Group6

Prepbatch ID : PB162463,

Sequence ID/Qc Batch ID: BF080724,BF080824,

Standard ID :

EP2499,EP2514,EP2518,SP6524,SP6525,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,S
P6558,SP6559,SP6573,

Chemical ID :

10ul/1000ul

sample,E3551,E3657,E3744,E3746,E3753,E3768,E3786,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,S
11765,S11766,S11898,S11899,S11900,S11901,S11902,S11903,S11904,S11905,S11906,S12033,S12038,S12038

10ul/1000ul

sample,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 07/26/2024
<u>FROM</u> 1.00000gram of E3551 = Final Quantity: 4000.000 gram (EX-SC-2)								

<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 06/13/2024
<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								

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>
171	8270/625 Spike Solution, 50/100 PPM	SP6525	06/05/2024	08/29/2024	Rahul Chavli	None	None	Yogesh Patel
								06/13/2024

FROM 0.20000ml of S11902 + 0.20000ml of S12117 + 0.40000ml of S10398 + 0.40000ml of S10591 + 0.40000ml of S11012 + 0.40000ml of S11136 + 0.40000ml of S11901 + 0.40000ml of S9675 + 0.50000ml of S12096 + 0.70000ml of S12089 + 0.80000ml of S11546 + 0.80000ml of S11566 + 0.90000ml of S11557 + 0.90000ml of S11762 + 0.90000ml of S12088 + 1.10000ml of S11564 + 1.20000ml of S11548 + 1.20000ml of S11554 + 1.20000ml of S11563 + 1.20000ml of S11903 + 1.20000ml of S11905 + 1.20000ml of S12094 + 1.30000ml of S11565 + 1.30000ml of S11763 + 1.30000ml of S11765 + 1.30000ml of S11899 + 1.30000ml of S11900 + 1.30000ml of S11904 + 1.30000ml of S12091 + 1.30000ml of S12092 + 1.30000ml of S12095 + 1.40000ml of S11906 + 1.40000ml of S12090 + 1.40000ml of S12093 + 1.50000ml of S11560 + 1.50000ml of S11764 + 1.50000ml of S11898 + 163.00000ml of E3753 = Final Quantity: 200.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3764	8270/625 Stock solution 100 ng	SP6549	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed
								07/09/2024

FROM 0.26700ml of S10102 + 0.40000ml of S11434 + 0.50000ml of S12112 + 1.00000ml of S11092 + 1.00000ml of S11096 + 1.00000ml of S11102 + 1.00000ml of S11148 + 1.00000ml of S12076 + 3.83300ml of E3746 = Final Quantity: 10.000 ml

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



<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>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024
(8270/625/CLP) <u>FROM</u> 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 ml								

<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	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

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/a mpul	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/a mpul	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/a mpul	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/a mpul	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/a mpul	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/a mpul	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 #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	01/09/2025	07/09/2024 / Jagrut	01/31/2024 / Rahul	S12076

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0207706	10/26/2024	04/26/2024 / Rahul	02/05/2024 / Rahul	S12088

[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	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]

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]

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	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	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



5580 Skylane Blvd
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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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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

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Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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Page 1 of 1

Catalog No.: Lot No.: **Storage:** **Solvent:** **Exp. Date:** **Description:**
Z-112090 440246 $\leq -10^{\circ}\text{C}$ Methylene Chloride 2/16/2026 CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 $\pm$ 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 $\pm$ 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 $\pm$ 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 $\pm$ 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

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

Erica Castiglione

Certified By:

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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02/07/23 by CG

Sheet S11096
to
S11099

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Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Brianna Smith

Certified By: _____

Brianna Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 495831

Expiration Date: 10/30/2027

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By:



Briana Smith
Chemist

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Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

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 REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received 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.



CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on
03/10/22
by
CG
S10242
to
S10247

Catalog No. : 31615 **Lot No.:** A0182667
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2025 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol CAS # 87-86-5 (Lot 211229RSR) Purity 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

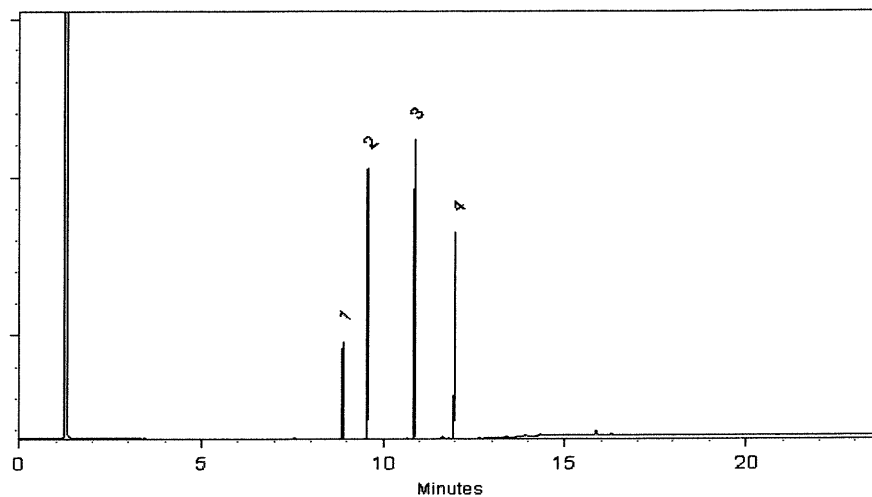
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022

Balance: B345965662

Marlene Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 Lot No.: A0185300
Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2025 Storage: 10°C or colder
Ship: Ambient

Received by
CG ON
05/18/22
S10393
+0
S10402

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL Gravimetric
	CAS # 100-02-7		+/- 753.2622 µg/mL Unstressed
	Purity 99%		+/- 905.6020 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No.: 555868 Lot No.: A0186373
Description: Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: June 30, 2025 Storage: 10°C or colder
Handling: Contains carcinogen/reproductive toxin. Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - Mix Technician

Date Mixed: 16-Jun-2022 Balance: 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified 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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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
to
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

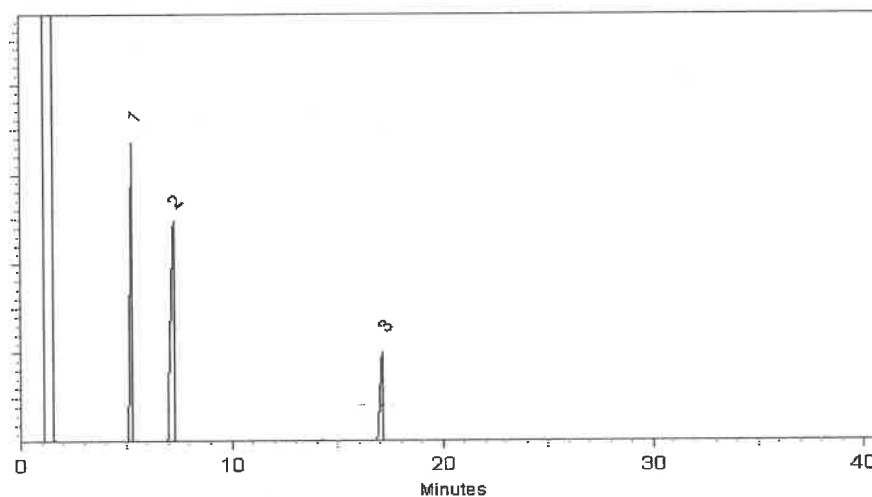
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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:

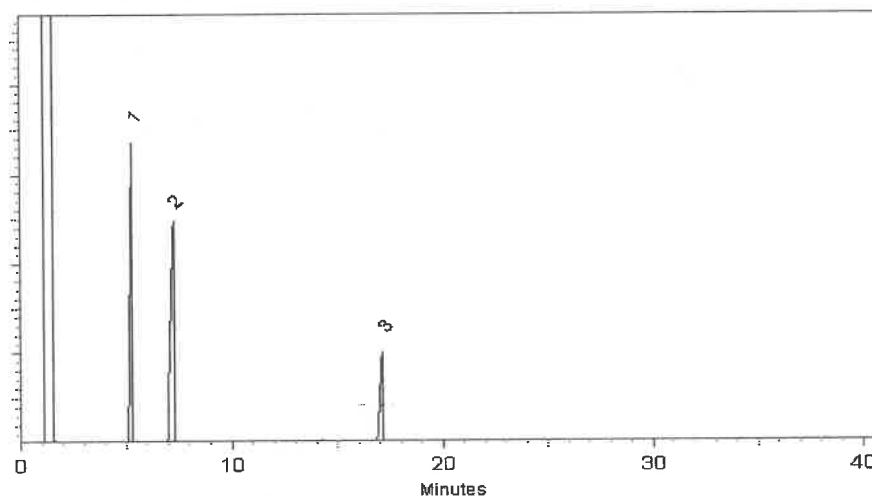
250°C

Det. Temp:

330°C

Det. Type:

FID



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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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Certificate #FM 80397



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Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

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:

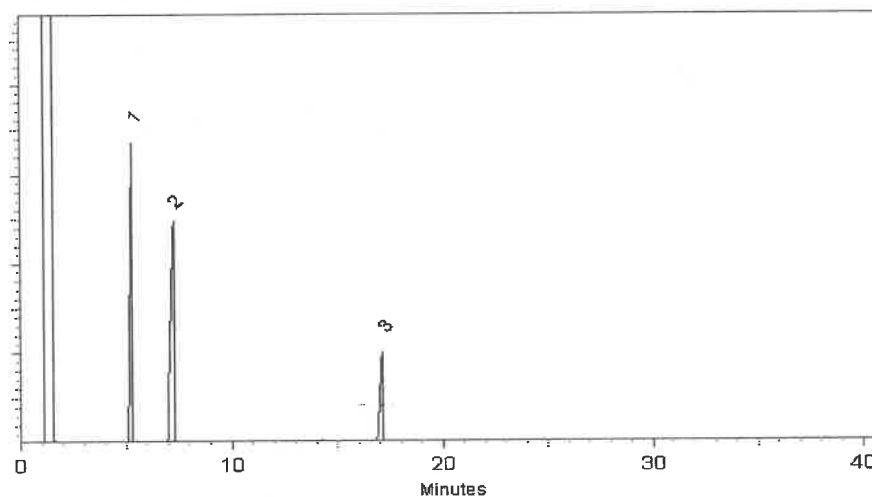
250°C

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:

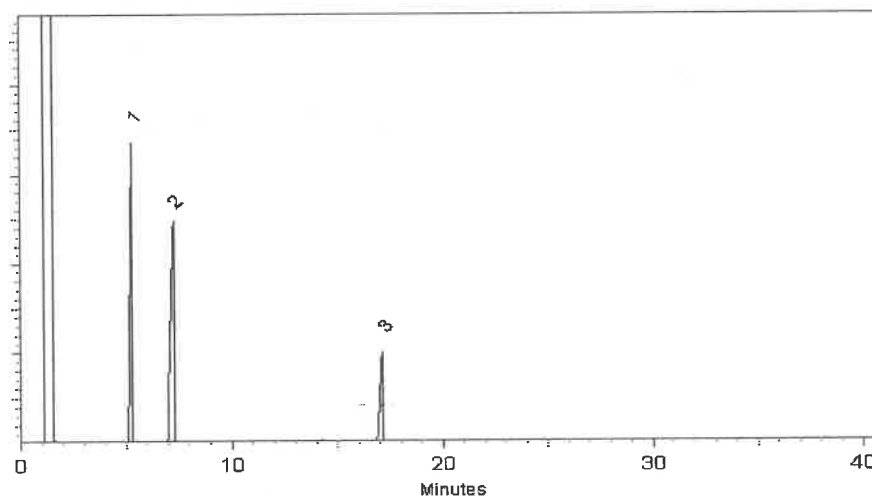
250°C

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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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0188108
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

Received by
CG on
12/28/22
S10951
to
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

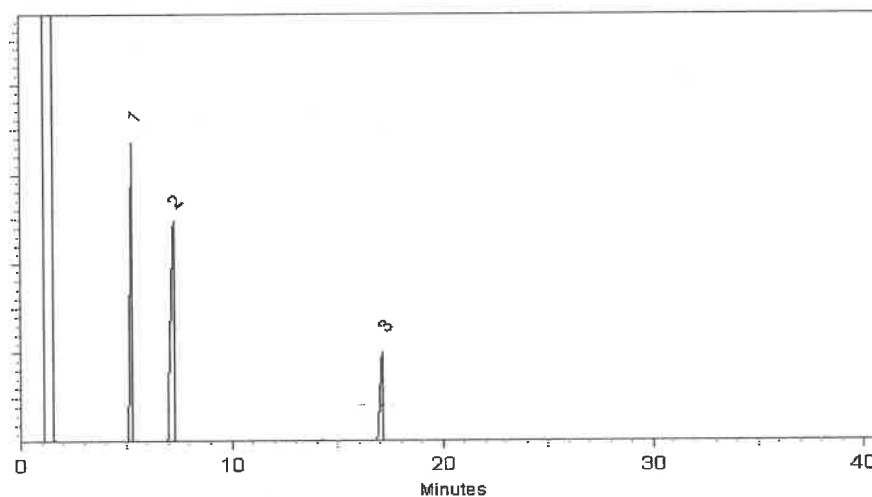
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

Received by
CG on
12/28/22
S10951
to
S10980

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

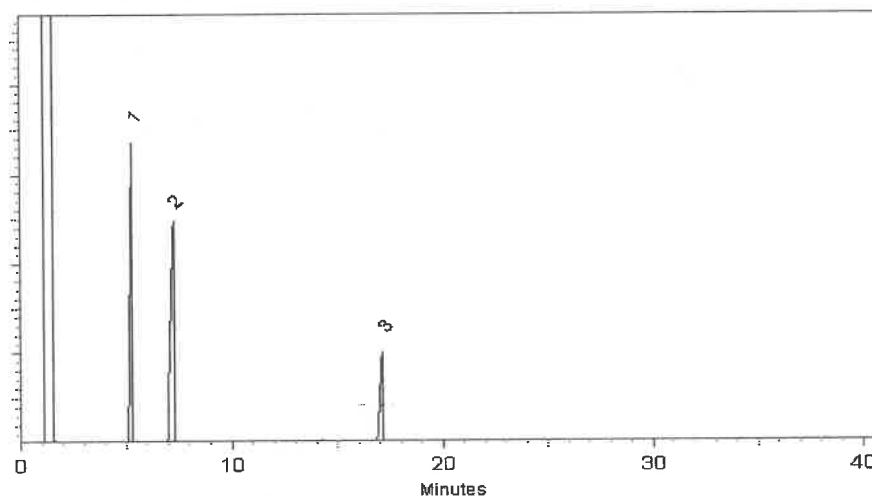
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

Received by
CG on
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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:

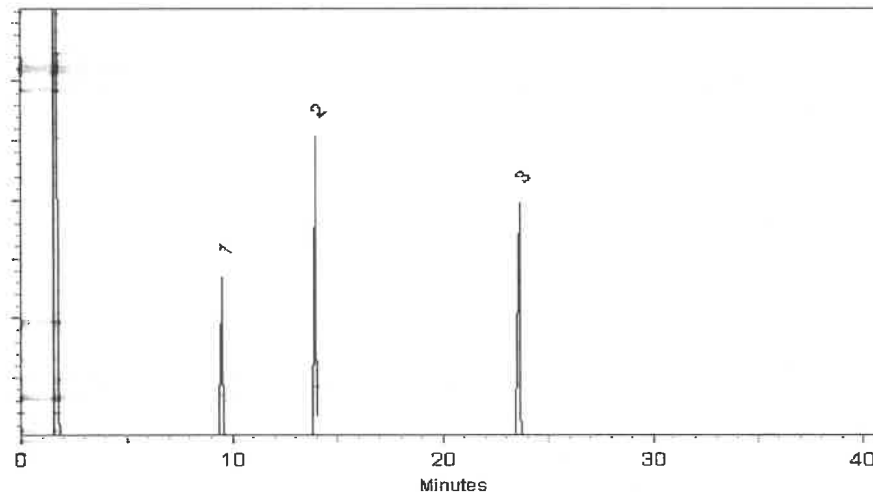
250°C

Det. Temp:

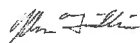
330°C

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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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

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CERTIFIED VALUES

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2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

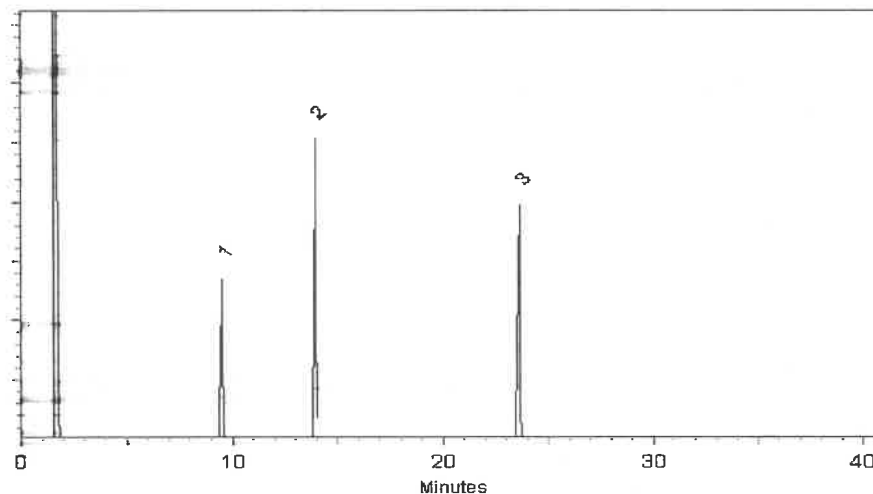
250°C

Det. Temp:

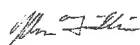
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Description : B/N Surrogate Mix (4/89 SOW)
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Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

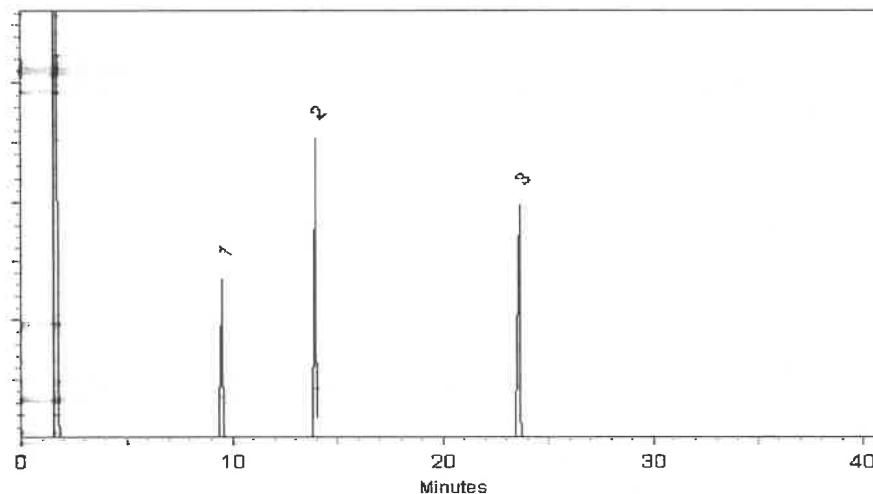
250°C

Det. Temp:

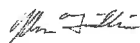
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Description : B/N Surrogate Mix (4/89 SOW)
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Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL 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:

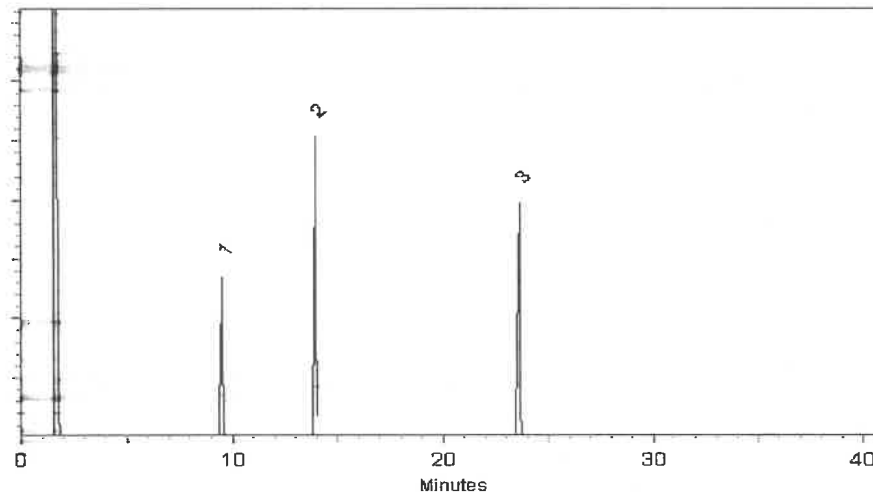
250°C

Det. Temp:

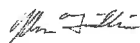
330°C

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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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

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

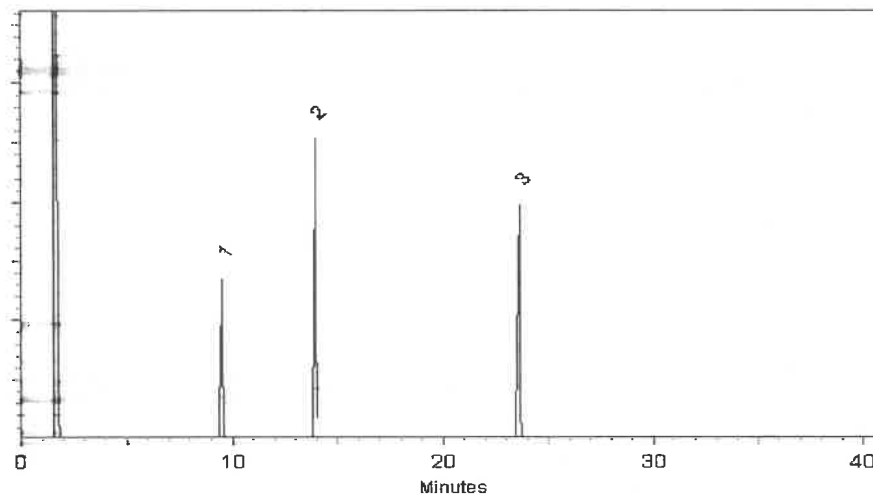
250°C

Det. Temp:

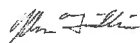
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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Certificate of Analysis



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Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
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2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

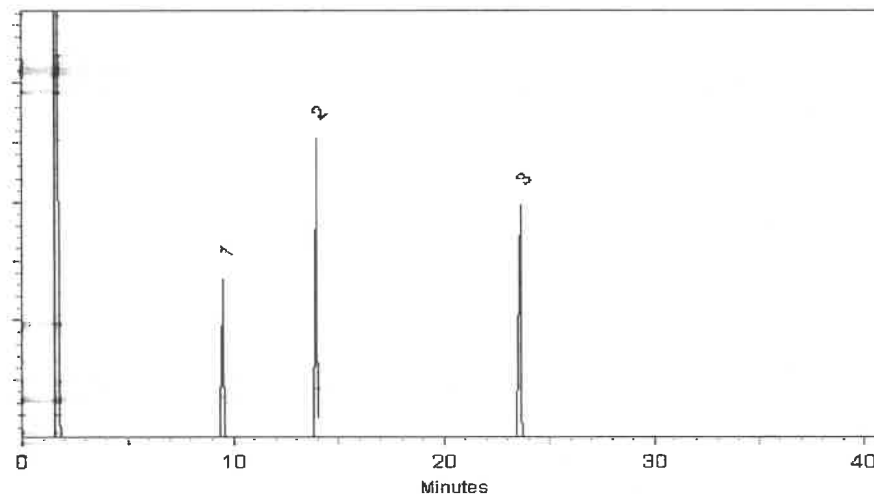
250°C

Det. Temp:

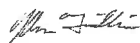
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

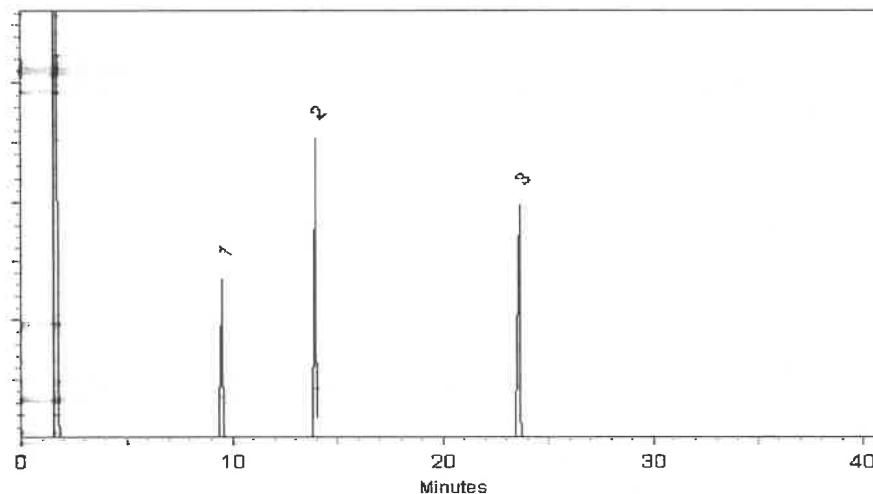
250°C

Det. Temp:

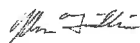
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

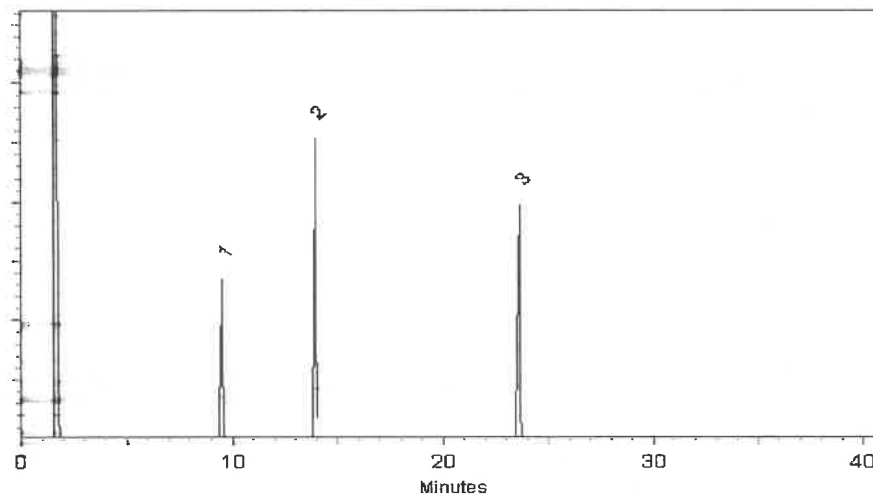
250°C

Det. Temp:

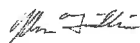
330°C

Det. Type:

FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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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
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. : 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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mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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Notes:

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:

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fards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
rm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na 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.

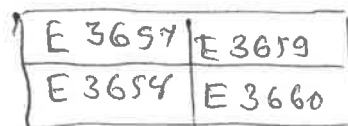
This document has been electronically produced and is valid without a signature.

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

 **avantor**™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

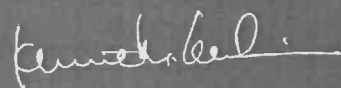
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	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 ₂ Cl 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 3786

Jamie Croak
Director Quality Operations, Bioscience Production

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

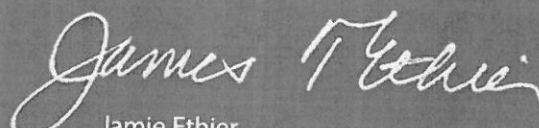
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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

511434 } Y.P.
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	≤ -10 °C	Methylene Chloride	8/26/2024	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄	2199-69-1	99.7	247.29.3P	5052 ± 122.61
2-fluorobiphenyl	321-60-8	99.7	8.7.1.1P	5005 ± 121.47
nitrobenzene-d ₅	4165-60-0	100	7.9.2P	5040 ± 122.21
p-terphenyl-d ₁₄	1718-51-0	99.6	9.12.9P	5027 ± 122

*Not a certified value

Certified By: _____

Joanna Radu
Joanna Radu
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539
↓
51568
} 7.P.
09/19/

CERTIFIED VALUES						
Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

Date Mixed: 13-Sep-2023

Balance: B345965662

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555223 Lot No.: A0201940
Description: Custom 8270 Plus Standard #1
Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: September 30, 2025 Storage: 10°C or colder
Handling: This product is photosensitive. Ship: Ambient

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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

Date Mixed: 13-Sep-2023

Balance: B345965662

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

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Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: September 30, 2025 Storage: 10°C or colder
Handling: This product is photosensitive. Ship: Ambient

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51568
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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:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

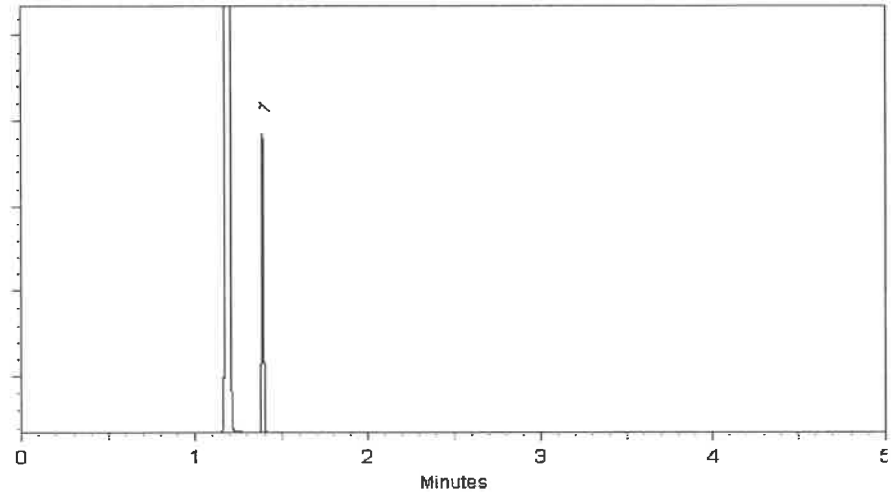
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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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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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

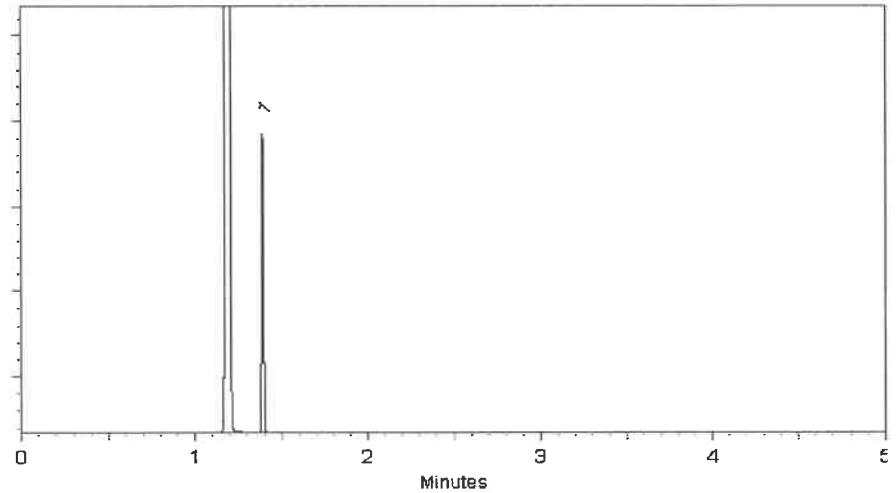
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Manufacturing Notes:

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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
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S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

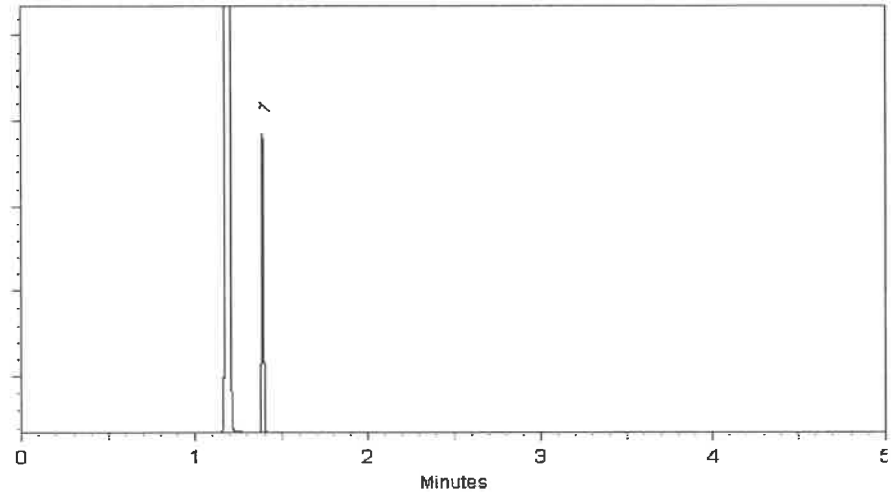
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

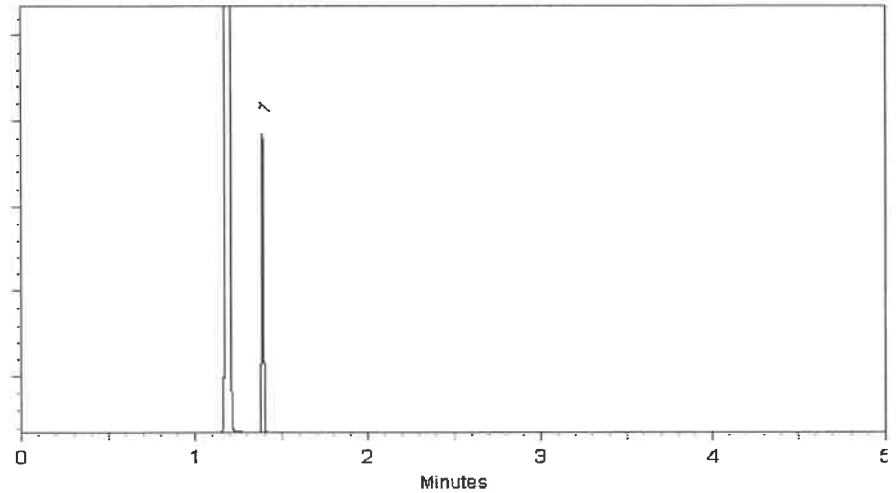
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity values are rounded to the nearest whole number.

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chromatographic plus



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Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

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Det. Temp:

340°C

Det. Type:

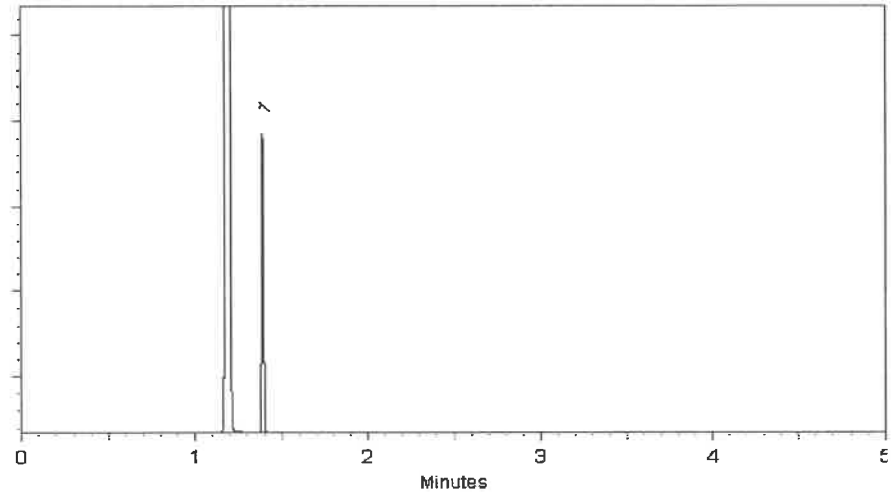
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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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

511877 }
↓ RC/
511906 } 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:

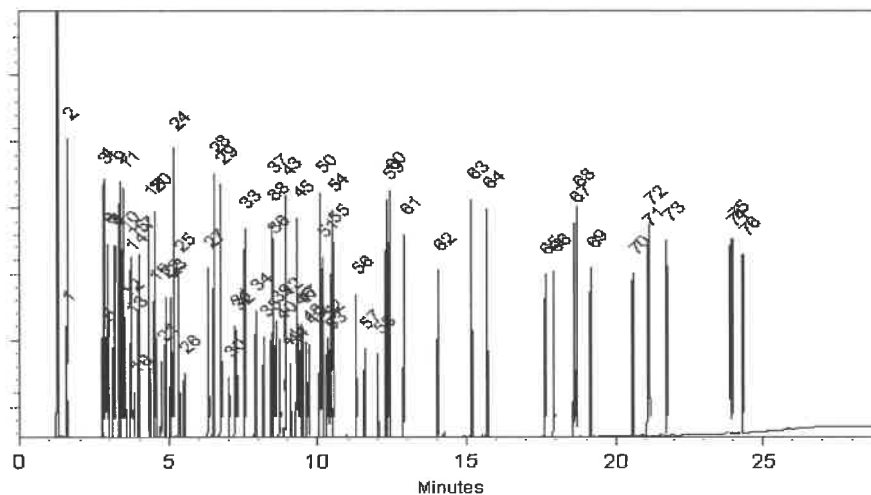
FID

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:

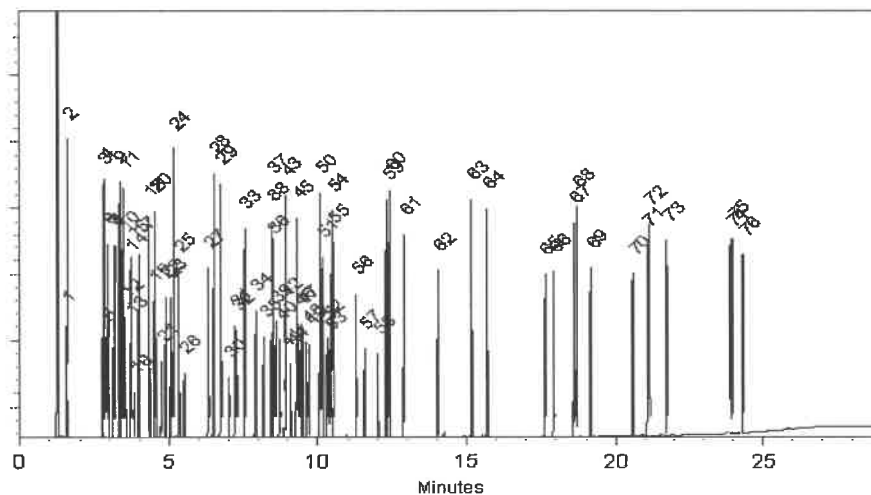
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Split Vent:

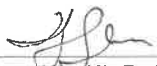
100 ml/min.

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:

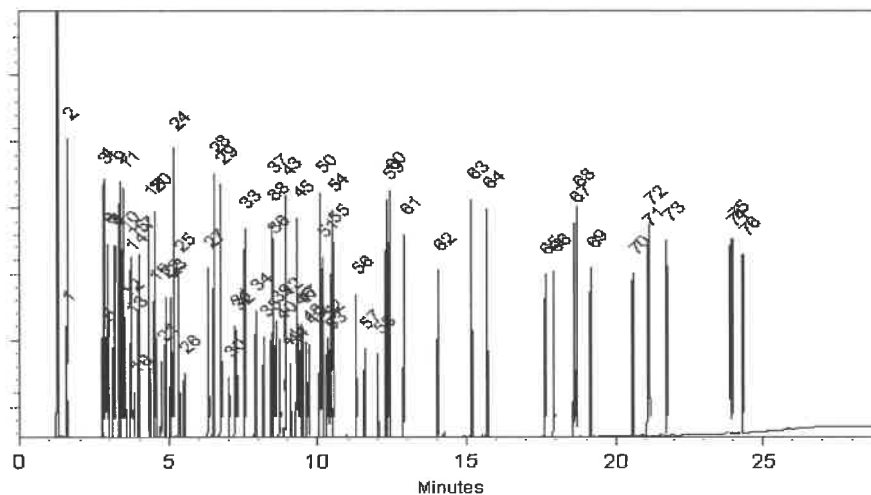
FID

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

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:

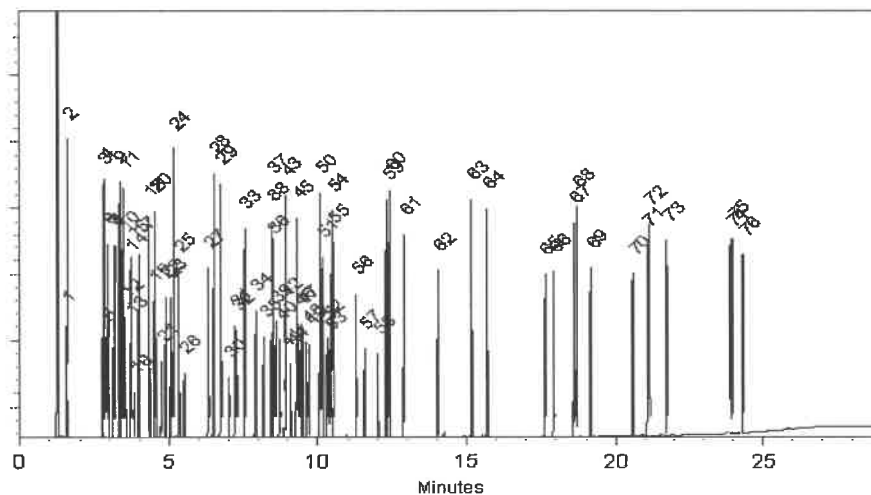
FID

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

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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:

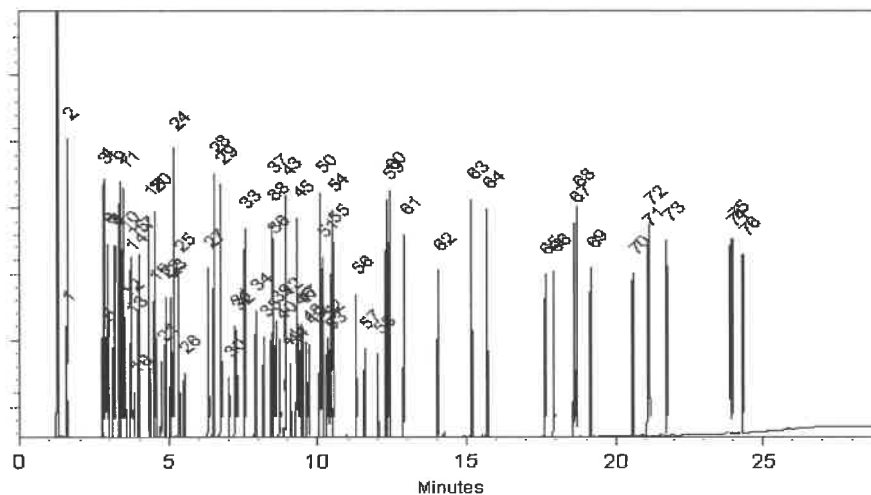
FID

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
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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:

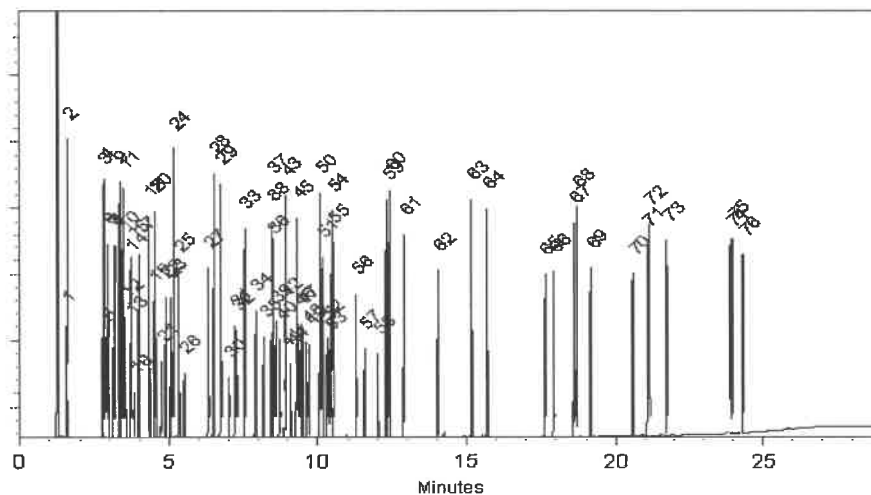
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Split Vent:

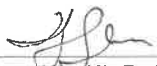
100 ml/min.

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:

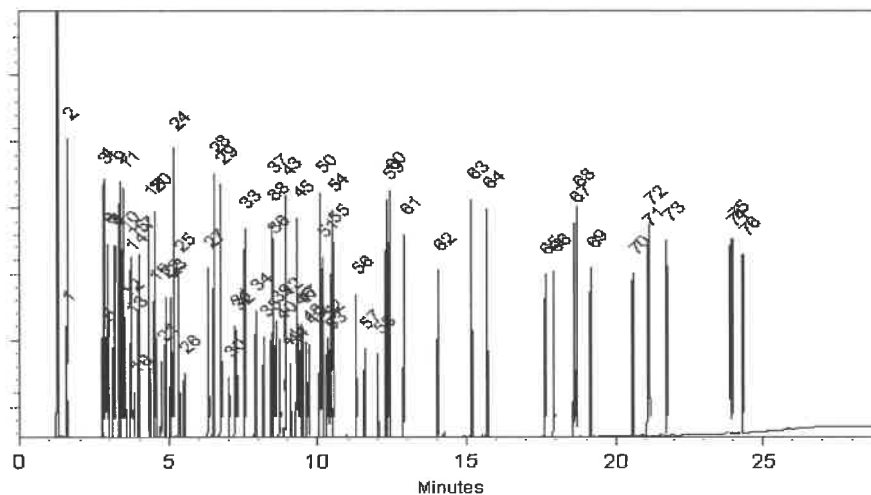
FID

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

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:

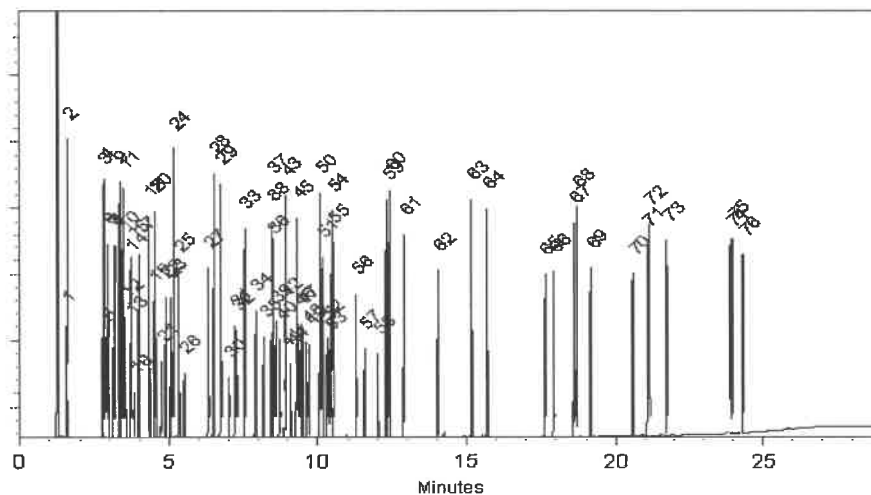
FID

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

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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:

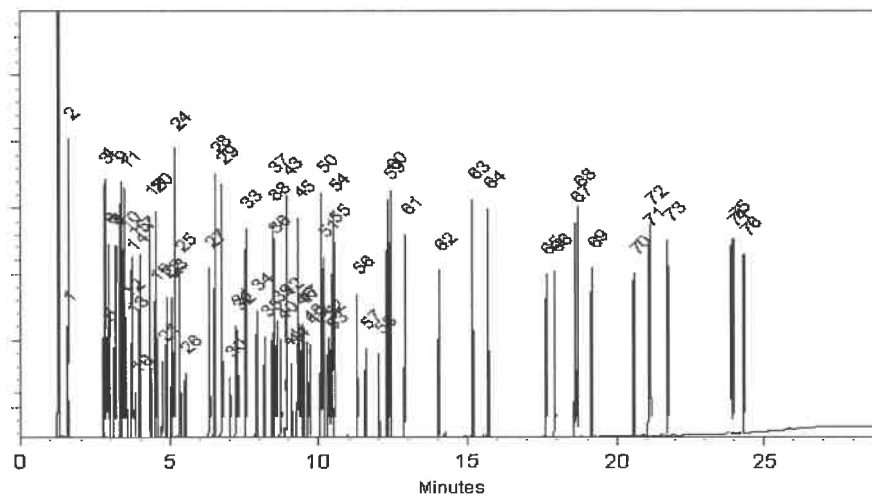
FID

Split Vent:

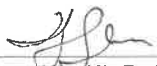
100 ml/min.

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



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

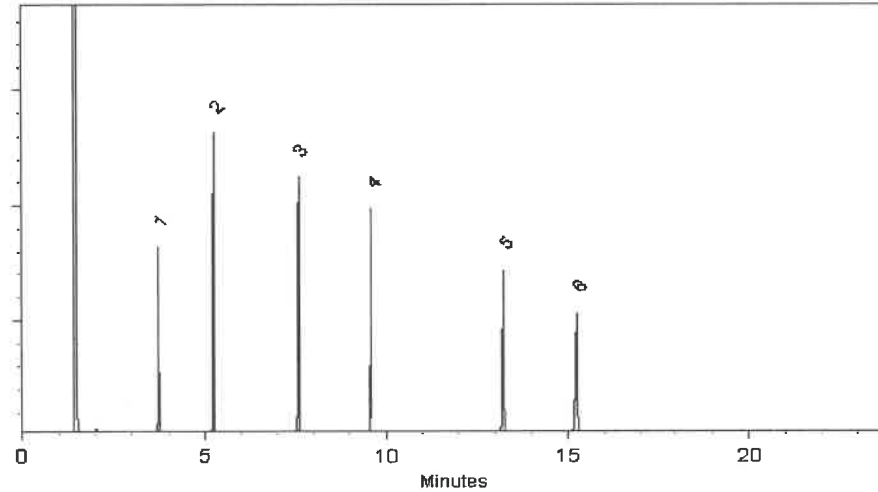
FID

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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Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

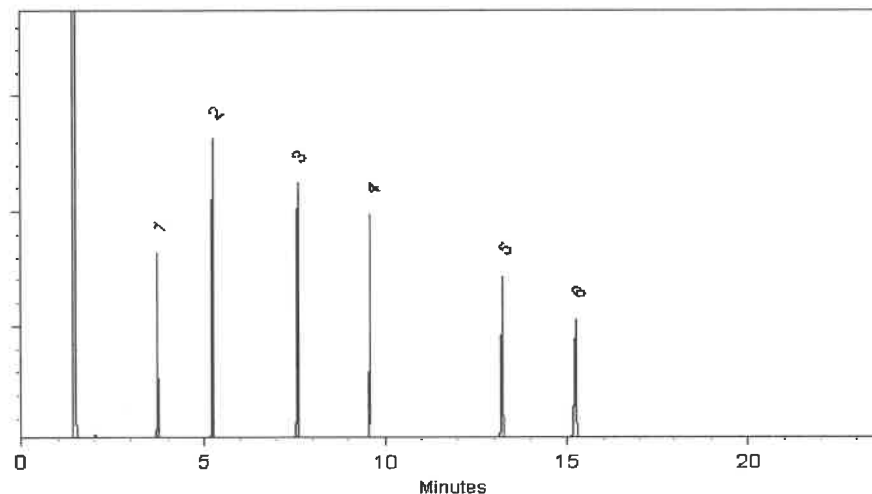
FID

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



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-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.



110 Benner Circle
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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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512082 } RC/
↓
512111 } 02/22/24

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512082 } RC/
↓
512111 } 02/22/24

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John Friedline - Operations Technician I

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512082 } RC/
↓
512111 } 02/22/24

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John Friedline - Operations Technician I

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↓
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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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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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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
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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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Bellefonte, PA 16823-8812
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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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.

QUOTE NO.

COC Number

P3440
2041306

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs

ADDRESS: 412 Mt Kemble Ave Suite 4100

CITY: Morrisstown

STATE: NJ ZIP: 07960

ATTENTION: John Yufank

PHONE: (281) 414-1719

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC

PROJECT NO.: D379922 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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT

1 VOCs 8200
2 SVOCs 8200
3 8200 E-SIM
4 Metals 8200, Hg
5 7420B
6 Cu 7420B
7 7420B
8 7420B
9 7420B

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A/E	F	B/E	E						
1.	923-K1-WS- ~~080124~~ 080124	WS		X	8/1/24	0915	18	6	6	3	3						MS/MSD
2.	922-K1-WS-080124	WS		X	8/1/24	1110	6	2	2	1	1						
3.	16-01-080124	DI		X	8/1/24	1200	1	1									
4.																	
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>8/1/24 1220</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>8-1-24</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.0</u> °C Comments: <u>See attached table for required analytes list of ECO-VOCs, ECO-SVOCs, and ECO-metals</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>8/1/24</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3440 JACO05

Order Date : 8/1/2024 12:28:00 PM

Project Mgr :

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger Site I

Report Type : Level 4

Client Contact : Mary I. Murphy

Receive DateTime : 8/1/2024 2:00:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : Mary I. Murphy

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3440-01	923-K1-WS-080124	Water	08/01/2024	09:15					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3440-02	P3440-01MS	Water	08/01/2024	09:15					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3440-03	P3440-01MSD	Water	08/01/2024	09:15					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3440-04	922-K1-WS-080124	Water	08/01/2024	11:10					
					VOCMS Group6		8260-Low	10 Bus. Days	
P3440-05	TB-01-080124	Water	08/01/2024	12:00					
					VOCMS Group6		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time :

8-1-24 1440

Received By :

Date / Time :

8/1/24 14:20 Reg # 4

Storage Area : VOA Refridgerator Room