

Cover Page

Order ID : Q2585

Project ID : PVSC Monthly 2025

Client : Ardmore Chemical

Lab Sample Number

Q2585-01
Q2585-04

Client Sample Number

EFF-WW
EFF-WW

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: 7/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2585

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 07/17/2025

LAB CHRONICLE

OrderID:	Q2585	OrderDate:	7/11/2025 12:48:00 PM
Client:	Ardmore Chemical	Project:	PVSC Monthly 2025
Contact:	Michael Sharphouse	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2585-04	EFF-WW	Water	SVOCMS Group1	625.1	07/11/25	07/17/25	07/18/25	07/11/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2585
Client: Ardmore Chemical

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	EFF-WW							
Q2585-04	EFF-WW	WATER	Bis(2-ethylhexyl)phthalate	2.700	J	1.7	5.3	ug/L
			Total Svoc :			2.70		
			Total Concentration:			2.70		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2585

Client: Ardmore Chemical

Analytical Method: 625.1

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168904BL	PB168904BL	2-Fluorophenol	100	82.8	83		60	140
		Phenol-d6	100	83.0	83		60	140
		Nitrobenzene-d5	100	79.3	79		60	140
		2-Fluorobiphenyl	100	75.8	76		60	140
		2,4,6-Tribromophenol	100	69.4	69		60	140
		Terphenyl-d14	100	82.8	83		60	140
PB168904BS	PB168904BS	2-Fluorophenol	100	79.6	80		60	140
		Phenol-d6	100	80.9	81		60	140
		Nitrobenzene-d5	100	80.0	80		60	140
		2-Fluorobiphenyl	100	74.5	74		60	140
		2,4,6-Tribromophenol	100	83.6	84		60	140
		Terphenyl-d14	100	78.8	79		60	140
PB168904BSD	PB168904BSD	2-Fluorophenol	100	81.3	81		60	140
		Phenol-d6	100	82.2	82		60	140
		Nitrobenzene-d5	100	80.7	81		60	140
		2-Fluorobiphenyl	100	74.9	75		60	140
		2,4,6-Tribromophenol	100	83.4	83		60	140
		Terphenyl-d14	100	78.0	78		60	140
Q2585-04	EFF-WW	2-Fluorophenol	100	42.1	42	*	60	140
		Phenol-d6	100	26.2	26	*	60	140
		Nitrobenzene-d5	100	81.1	81		60	140
		2-Fluorobiphenyl	100	83.1	83		60	140
		2,4,6-Tribromophenol	100	86.5	86		60	140
		Terphenyl-d14	100	57.8	58	*	60	140

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2585</u>	Analytical Method: <u>625.1</u>
Client: <u>Ardmore Chemical</u>	DataFile: <u>BF143162.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168904BS	n-Nitrosodimethylamine	50	42.4	ug/L	85				52	110	
	Phenol	50	42.4	ug/L	85				48	130	
	bis(2-Chloroethyl)ether	50	42.5	ug/L	85				52	130	
	2-Chlorophenol	50	42.7	ug/L	85				55	130	
	2,2-oxybis(1-Chloropropane)	50	42.7	ug/L	85				63	139	
	N-Nitroso-di-n-propylamine	50	42.4	ug/L	85				59	170	
	Hexachloroethane	50	43.2	ug/L	86				55	130	
	Nitrobenzene	50	44.0	ug/L	88				54	158	
	Isophorone	50	43.8	ug/L	88				52	180	
	2-Nitrophenol	50	46.4	ug/L	93				61	163	
	2,4-Dimethylphenol	50	44.1	ug/L	88				58	130	
	bis(2-Chloroethoxy)methane	50	43.2	ug/L	86				52	164	
	2,4-Dichlorophenol	50	43.6	ug/L	87				64	130	
	1,2,4-Trichlorobenzene	50	42.7	ug/L	85				44	142	
	Naphthalene	50	42.9	ug/L	86				70	130	
	Hexachlorobutadiene	50	42.9	ug/L	86				68	130	
	4-Chloro-3-methylphenol	50	44.1	ug/L	88				68	130	
	Hexachlorocyclopentadiene	100	86.3	ug/L	86				21	137	
	2,4,6-Trichlorophenol	50	42.9	ug/L	86				69	130	
	2-Chloronaphthalene	50	42.6	ug/L	85				70	130	
	Dimethylphthalate	50	43.9	ug/L	88				50	130	
	Acenaphthylene	50	43.2	ug/L	86				60	130	
	2,6-Dinitrotoluene	50	47.2	ug/L	94				68	137	
	Acenaphthene	50	46.2	ug/L	92				70	130	
	2,4-Dinitrophenol	100	90.5	ug/L	91				39	173	
	4-Nitrophenol	100	89.2	ug/L	89				35	130	
	2,4-Dinitrotoluene	50	48.9	ug/L	98				53	130	
	Diethylphthalate	50	44.7	ug/L	89				47	130	
	4-Chlorophenyl-phenylether	50	43.4	ug/L	87				57	145	
	Fluorene	50	42.8	ug/L	86				70	130	
	4,6-Dinitro-2-methylphenol	50	45.1	ug/L	90				56	130	
	N-Nitrosodiphenylamine	50	43.8	ug/L	88				63	100	
	Azobenzene	50	44.1	ug/L	88				58	105	
	4-Bromophenyl-phenylether	50	44.1	ug/L	88				70	130	
	Hexachlorobenzene	50	44.7	ug/L	89				38	142	
	Pentachlorophenol	100	91.0	ug/L	91				42	152	
	Phenanthrene	50	43.8	ug/L	88				67	130	
	Anthracene	50	43.8	ug/L	88				58	130	
	Di-n-butylphthalate	50	46.0	ug/L	92				52	130	
	Fluoranthene	50	44.2	ug/L	88				47	130	
	Benzidine	100	41.4	ug/L	41				10	133	
	Pyrene	50	44.7	ug/L	89				70	130	
	Butylbenzylphthalate	50	47.3	ug/L	95				43	140	
	3,3-Dichlorobenzidine	50	25.1	ug/L	50				18	213	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2585

Analytical Method: 625.1

Client: Ardmore Chemical

DataFile: BF143162.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168904BS	Benzo(a)anthracene	50	44.2	ug/L	88				42	133	
	Chrysene	50	45.1	ug/L	90				44	140	
	bis(2-Ethylhexyl)phthalate	50	47.8	ug/L	96				43	137	
	Di-n-octyl phthalate	50	46.5	ug/L	93				21	132	
	Benzo(b)fluoranthene	50	44.7	ug/L	89				42	140	
	Benzo(k)fluoranthene	50	46.5	ug/L	93				25	146	
	Benzo(a)pyrene	50	45.7	ug/L	91				32	148	
	Indeno(1,2,3-cd)pyrene	50	44.8	ug/L	90				13	151	
	Dibenz(a,h)anthracene	50	45.0	ug/L	90				13	200	
	Benzo(g,h,i)perylene	50	44.9	ug/L	90				13	195	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2585</u>	Analytical Method: <u>625.1</u>
Client: <u>Ardmore Chemical</u>	DataFile: <u>BF143163.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168904BSD	n-Nitrosodimethylamine	50	43.2	ug/L	86	2			52	110	20
	Phenol	50	43.6	ug/L	87	3			48	130	20
	bis(2-Chloroethyl)ether	50	43.8	ug/L	88	3			52	130	20
	2-Chlorophenol	50	44.0	ug/L	88	3			55	130	20
	2,2-oxybis(1-Chloropropane)	50	43.8	ug/L	88	3			63	139	20
	N-Nitroso-di-n-propylamine	50	43.2	ug/L	86	2			59	170	20
	Hexachloroethane	50	44.0	ug/L	88	2			55	130	20
	Nitrobenzene	50	44.5	ug/L	89	1			54	158	20
	Isophorone	50	44.0	ug/L	88	0			52	180	20
	2-Nitrophenol	50	47.7	ug/L	95	3			61	163	20
	2,4-Dimethylphenol	50	44.4	ug/L	89	1			58	130	20
	bis(2-Chloroethoxy)methane	50	43.8	ug/L	88	1			52	164	20
	2,4-Dichlorophenol	50	44.2	ug/L	88	1			64	130	20
	1,2,4-Trichlorobenzene	50	42.5	ug/L	85	0			44	142	20
	Naphthalene	50	43.6	ug/L	87	2			70	130	20
	Hexachlorobutadiene	50	43.6	ug/L	87	2			68	130	20
	4-Chloro-3-methylphenol	50	45.0	ug/L	90	2			68	130	20
	Hexachlorocyclopentadiene	100	87.5	ug/L	88	1			21	137	20
	2,4,6-Trichlorophenol	50	43.1	ug/L	86	0			69	130	20
	2-Chloronaphthalene	50	42.9	ug/L	86	1			70	130	20
	Dimethylphthalate	50	45.0	ug/L	90	2			50	130	20
	Acenaphthylene	50	43.5	ug/L	87	1			60	130	20
	2,6-Dinitrotoluene	50	48.5	ug/L	97	3			68	137	20
	Acenaphthene	50	47.0	ug/L	94	2			70	130	20
	2,4-Dinitrophenol	100	93.7	ug/L	94	3			39	173	20
	4-Nitrophenol	100	92.8	ug/L	93	4			35	130	20
	2,4-Dinitrotoluene	50	50.7	ug/L	101	4			53	130	20
	Diethylphthalate	50	45.6	ug/L	91	2			47	130	20
	4-Chlorophenyl-phenylether	50	43.7	ug/L	87	1			57	145	20
	Fluorene	50	43.1	ug/L	86	1			70	130	20
	4,6-Dinitro-2-methylphenol	50	44.6	ug/L	89	1			56	130	20
	N-Nitrosodiphenylamine	50	43.7	ug/L	87	0			63	100	20
	Azobenzene	50	45.0	ug/L	90	2			58	105	20
	4-Bromophenyl-phenylether	50	43.8	ug/L	88	1			70	130	20
	Hexachlorobenzene	50	44.5	ug/L	89	0			38	142	20
	Pentachlorophenol	100	89.7	ug/L	90	1			42	152	20
	Phenanthrene	50	43.9	ug/L	88	0			67	130	20
	Anthracene	50	43.1	ug/L	86	2			58	130	20
	Di-n-butylphthalate	50	46.0	ug/L	92	0			52	130	20
	Fluoranthene	50	45.0	ug/L	90	2			47	130	20
	Benzidine	100	41.5	ug/L	42	0			10	133	20
	Pyrene	50	43.9	ug/L	88	2			70	130	20
	Butylbenzylphthalate	50	47.4	ug/L	95	0			43	140	20
	3,3-Dichlorobenzidine	50	25.0	ug/L	50	0			18	213	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2585

Analytical Method: 625.1

Client: Ardmore Chemical

DataFile: BF143163.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168904BSD	Benzo(a)anthracene	50	44.4	ug/L	89	0			42	133	20
	Chrysene	50	46.0	ug/L	92	2			44	140	20
	bis(2-Ethylhexyl)phthalate	50	47.0	ug/L	94	2			43	137	20
	Di-n-octyl phthalate	50	45.8	ug/L	92	2			21	132	20
	Benzo(b)fluoranthene	50	45.3	ug/L	91	1			42	140	20
	Benzo(k)fluoranthene	50	46.4	ug/L	93	0			25	146	20
	Benzo(a)pyrene	50	45.4	ug/L	91	1			32	148	20
	Indeno(1,2,3-cd)pyrene	50	44.4	ug/L	89	1			13	151	20
	Dibenz(a,h)anthracene	50	44.5	ug/L	89	1			13	200	20
	Benzo(g,h,i)perylene	50	44.5	ug/L	89	1			13	195	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168904BL

Lab Name: Alliance

Contract: ARDM01

Lab Code: ACE

SDG NO.: Q2585

Lab File ID: BF143164.D

Lab Sample ID: PB168904BL

Instrument ID: BNA_F

Date Extracted: 07/17/2025

Matrix: (soil/water) Water

Date Analyzed: 07/18/2025

Level: (low/med) LOW

Time Analyzed: 13:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168904BS	PB168904BS	BF143162.D	07/18/2025
PB168904BSD	PB168904BSD	BF143163.D	07/18/2025
EFF-WW	Q2585-04	BF143165.D	07/18/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: ARDM01Lab Code: ACESAS No.: Q2585 SDG NO.: Q2585Lab File ID: BF143138.DDFTPP Injection Date: 07/17/2025Instrument ID: BNA_FDFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33
68	Less than 2.0% of mass 69	0.5 (1.9) 1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	40.0 - 60.0% of mass 198	34.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 30.0% of mass 198	22
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.5
442	Greater than 40% of mass 198	100
443	17.0 - 23.0% of mass 442	19.5 (19.5) 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	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: ARDM01Lab Code: ACESAS No.: Q2585 SDG NO.: Q2585Lab File ID: BF143158.DDFTPP Injection Date: 07/18/2025Instrument ID: BNA_FDFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.5 (1.9) 1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	40.0 - 60.0% of mass 198	34.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 30.0% of mass 198	21.9
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	14.9
442	Greater than 40% of mass 198	100
443	17.0 - 23.0% of mass 442	19 (19) 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	BF143159.D	07/18/2025	11:24
PB168904BS	PB168904BS	BF143162.D	07/18/2025	12:53
PB168904BSD	PB168904BSD	BF143163.D	07/18/2025	13:22
PB168904BL	PB168904BL	BF143164.D	07/18/2025	13:52
EFF-WW	Q2585-04	BF143165.D	07/18/2025	14:25

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2585

Client ID : SSTDCCC040

Date Analyzed: 07/18/2025

Lab File ID: BF143159.D

Time Analyzed: 11:24

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	158986	6.963	609943	8.25	308568	10.00
UPPER LIMIT	317972	7.463	1219890	8.745	617136	10.498
LOWER LIMIT	79493	6.463	304972	7.745	154284	9.498
EPA SAMPLE NO.						
01 PB168904BS	140840	6.96	541427	8.25	282216	10.00
02 PB168904BSD	134233	6.96	524933	8.25	272308	10.00
03 PB168904BL	144227	6.96	555488	8.24	293300	10.00
04 EFF-WW	91787	6.96	319077	8.24	149160 *	10.00

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: Alliance

Lab Code: ACE

SDG NO.: Q2585

Client ID: SSTDCCC040

Date Analyzed: 07/18/2025

Lab File ID: BF143159.D

Time Analyzed: 11:24

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	484154	11.48	288972	14.121	331263	15.621
UPPER LIMIT	968308	11.98	577944	14.621	662526	16.121
LOWER LIMIT	242077	10.98	144486	13.621	165632	15.121
EPA SAMPLE NO.						
01 PB168904BS	448321	11.48	250022	14.12	283255	15.62
02 PB168904BSD	443930	11.48	252328	14.12	280075	15.62
03 PB168904BL	504948	11.48	280403	14.12	285721	15.62
04 EFF-WW	262674	11.48	270242	14.12	282695	15.62

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:	Ardmore Chemical	Date Collected:	07/11/25
Project:	PVSC Monthly 2025	Date Received:	07/11/25
Client Sample ID:	EFF-WW	SDG No.:	Q2585
Lab Sample ID:	Q2585-04	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	950	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143165.D	1	07/17/25 08:39	07/18/25 14:25	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	0.91	U	0.91	10.5	ug/L
108-95-2	Phenol	0.96	U	0.96	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.85	U	0.85	5.30	ug/L
95-57-8	2-Chlorophenol	0.61	U	0.61	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.30	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	5.30	ug/L
67-72-1	Hexachloroethane	0.68	U	0.68	5.30	ug/L
98-95-3	Nitrobenzene	0.80	U	0.80	5.30	ug/L
78-59-1	Isophorone	0.79	U	0.79	5.30	ug/L
88-75-5	2-Nitrophenol	1.90	U	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.72	U	0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	0.55	U	0.55	5.30	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.57	U	0.57	5.30	ug/L
91-20-3	Naphthalene	0.53	U	0.53	5.30	ug/L
87-68-3	Hexachlorobutadiene	0.57	U	0.57	5.30	ug/L
59-50-7	4-Chloro-3-methylphenol	0.62	U	0.62	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	3.80	U	3.80	10.5	ug/L
88-06-2	2,4,6-Trichlorophenol	0.54	U	0.54	5.30	ug/L
91-58-7	2-Chloronaphthalene	0.64	U	0.64	5.30	ug/L
131-11-3	Dimethylphthalate	0.64	U	0.64	5.30	ug/L
208-96-8	Acenaphthylene	0.79	U	0.79	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	0.97	U	0.97	5.30	ug/L
83-32-9	Acenaphthene	0.58	U	0.58	5.30	ug/L
51-28-5	2,4-Dinitrophenol	6.30	U	6.30	10.5	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.5	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.30	ug/L
84-66-2	Diethylphthalate	0.73	U	0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	0.72	5.30	ug/L

Report of Analysis

Client:	Ardmore Chemical		Date Collected:	07/11/25	
Project:	PVSC Monthly 2025		Date Received:	07/11/25	
Client Sample ID:	EFF-WW		SDG No.:	Q2585	
Lab Sample ID:	Q2585-04		Matrix:	Water	
Analytical Method:	625.1		% Solid:	0	
Sample Wt/Vol:	950	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143165.D	1	07/17/25 08:39	07/18/25 14:25	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-73-7	Fluorene	0.66	U	0.66	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.00	U	3.00	10.5	ug/L
86-30-6	n-Nitrosodiphenylamine	0.61	U	0.61	5.30	ug/L
103-33-3	Azobenzene	0.85	U	0.85	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	0.42	U	0.42	5.30	ug/L
118-74-1	Hexachlorobenzene	0.55	U	0.55	5.30	ug/L
87-86-5	Pentachlorophenol	1.70	U	1.70	10.5	ug/L
85-01-8	Phenanthrene	0.53	U	0.53	5.30	ug/L
120-12-7	Anthracene	0.64	U	0.64	5.30	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.30	ug/L
206-44-0	Fluoranthene	0.86	U	0.86	5.30	ug/L
92-87-5	Benzidine	4.50	U	4.50	10.5	ug/L
129-00-0	Pyrene	0.53	U	0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	0.98	U	0.98	10.5	ug/L
56-55-3	Benzo(a)anthracene	0.47	U	0.47	5.30	ug/L
218-01-9	Chrysene	0.46	U	0.46	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.70	J	1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.5	ug/L
205-99-2	Benzo(b)fluoranthene	0.52	U	0.52	5.30	ug/L
207-08-9	Benzo(k)fluoranthene	0.51	U	0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	0.58	U	0.58	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.62	U	0.62	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.71	U	0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	0.73	U	0.73	5.30	ug/L

SURROGATES

367-12-4	2-Fluorophenol	42.1	*	60 - 140	42%	SPK: 100
13127-88-3	Phenol-d6	26.2	*	60 - 140	26%	SPK: 100
4165-60-0	Nitrobenzene-d5	81.1		60 - 140	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		60 - 140	83%	SPK: 100

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	07/11/25
Project:	PVSC Monthly 2025	Date Received:	07/11/25
Client Sample ID:	EFF-WW	SDG No.:	Q2585
Lab Sample ID:	Q2585-04	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	950	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	3510C	Level :	LOW
		Test:	SVOCMS Group1
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143165.D	1	07/17/25 08:39	07/18/25 14:25	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	86.5		60 - 140	86%	SPK: 100
1718-51-0	Terphenyl-d14	57.8	*	60 - 140	58%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	91800	6.963
1146-65-2	Naphthalene-d8	319000	8.239
15067-26-2	Acenaphthene-d10	149000	9.998
1517-22-2	Phenanthrene-d10	263000	11.48
1719-03-5	Chrysene-d12	270000	14.121
1520-96-3	Perylene-d12	283000	15.621

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\BF071825\
Data File : BF143165.D
Acq On : 18 Jul 2025 14:25
Operator : RC/JU
Sample : Q2585-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Quant Time: Jul 18 15:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

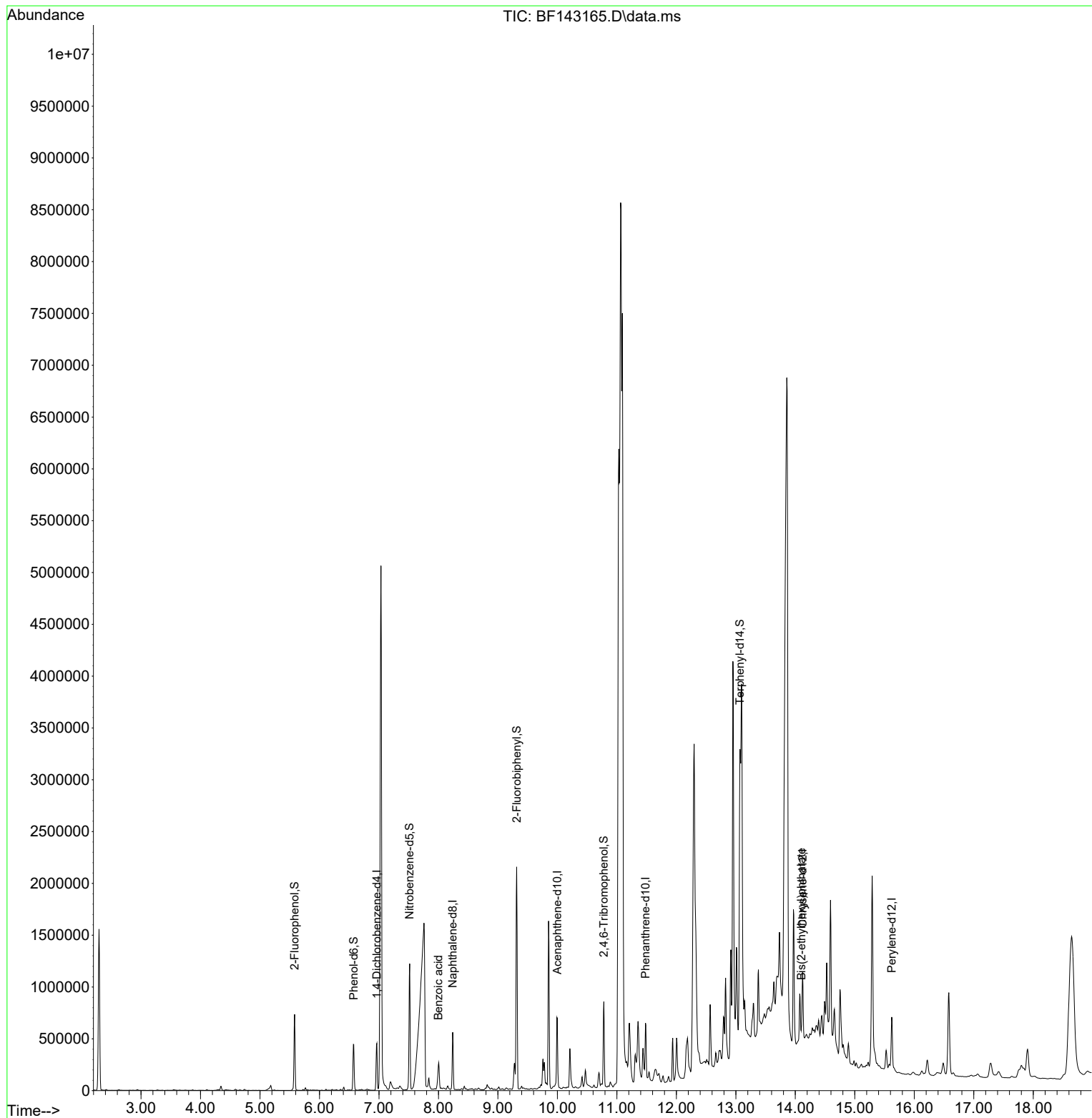
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	91787	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	319077	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	149160	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	262674	20.000	ng	0.00
76) Chrysene-d12	14.121	240	270242	20.000	ng	0.00
86) Perylene-d12	15.621	264	282695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	244449	42.145	ng	0.00
7) Phenol-d6	6.575	99	191446	26.223	ng	-0.01
23) Nitrobenzene-d5	7.516	82	519099	81.095	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	133224	86.458	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	906419	83.108	ng	0.00
79) Terphenyl-d14	13.068	244	1049796	57.808	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.998	122	55126	21.715	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	27871	2.607	ng	96

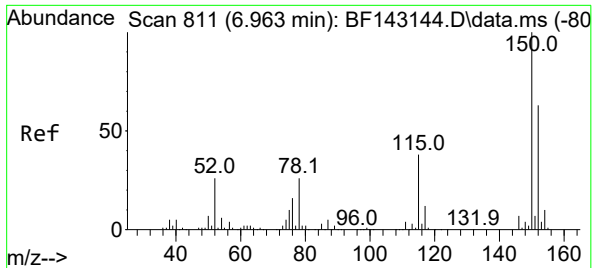
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143165.D
Acq On : 18 Jul 2025 14:25
Operator : RC/JU
Sample : Q2585-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Quant Time: Jul 18 15:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

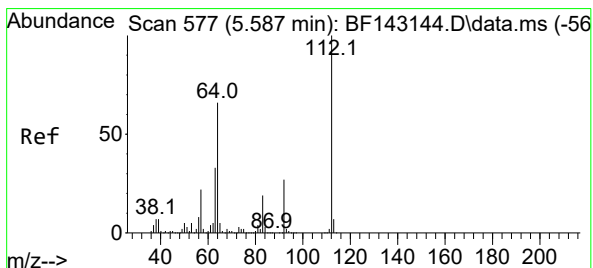
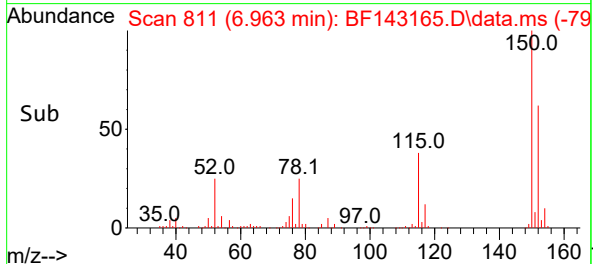
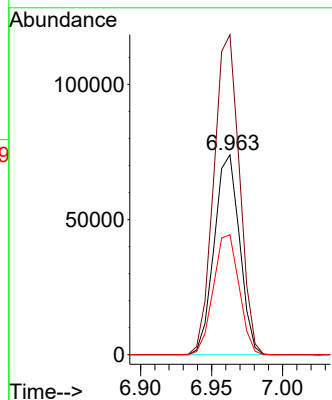
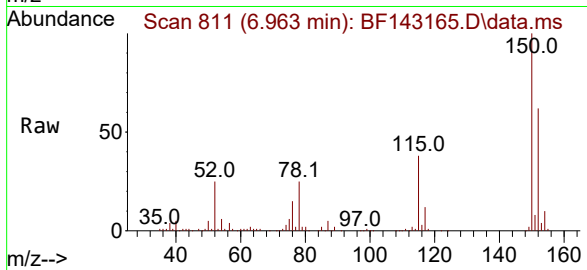




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143165.D
Acq: 18 Jul 2025 14:25

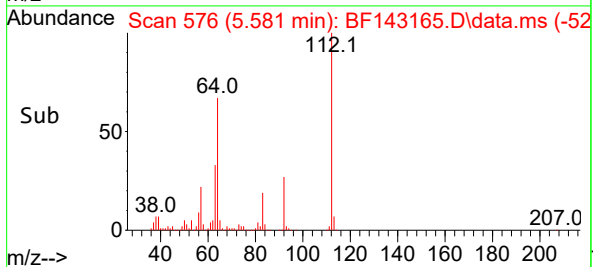
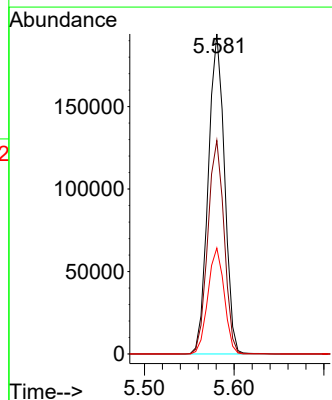
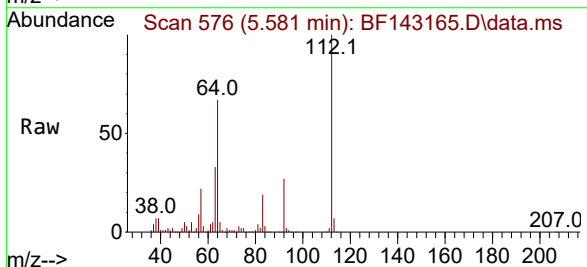
Instrument :
BNA_F
ClientSampleId :
EFF-WW

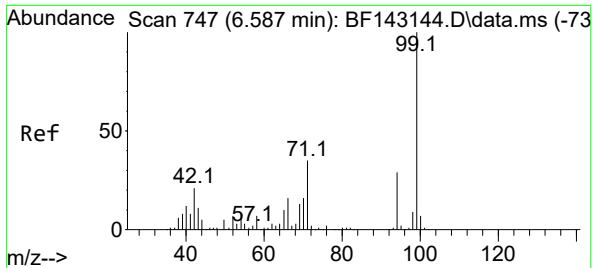
Tgt Ion:152 Resp: 91787
Ion Ratio Lower Upper
152 100
150 160.2 128.2 192.4
115 60.1 47.9 71.9



#5
2-Fluorophenol
Concen: 42.145 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143165.D
Acq: 18 Jul 2025 14:25

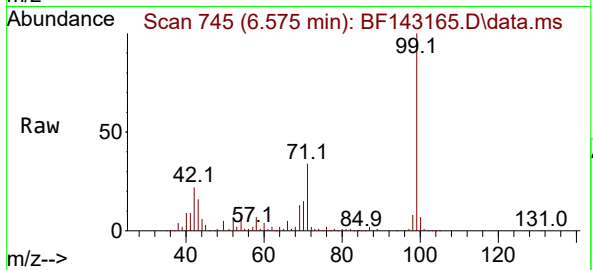
Tgt Ion:112 Resp: 244449
Ion Ratio Lower Upper
112 100
64 66.7 53.1 79.7
63 33.1 26.6 40.0



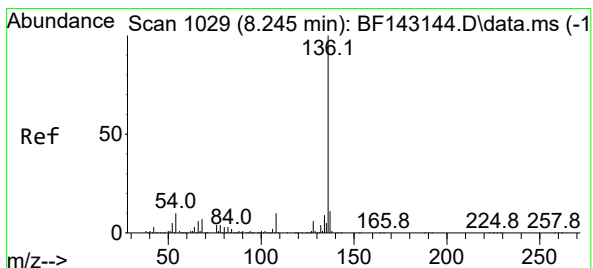
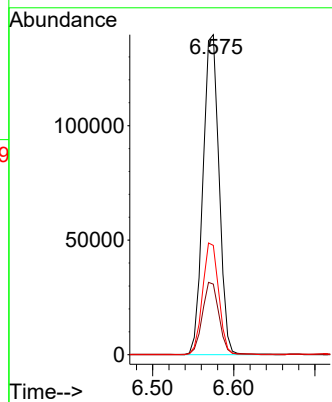
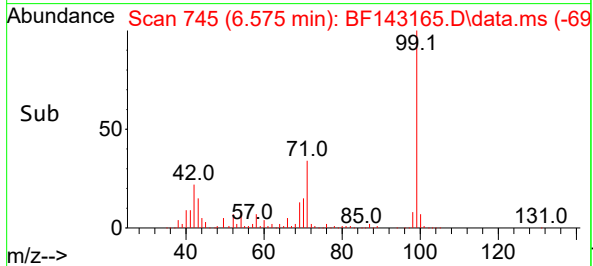


#7
Phenol-d6
Concen: 26.223 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143165.D
Acq: 18 Jul 2025 14:25

Instrument :
BNA_F
ClientSampleId :
EFF-WW

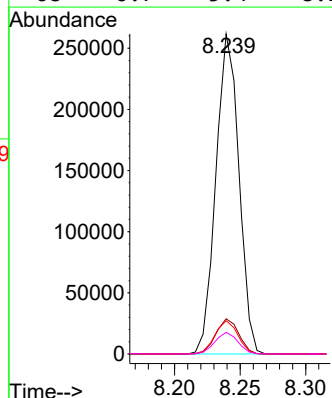
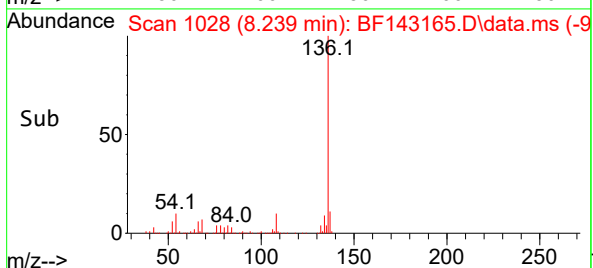
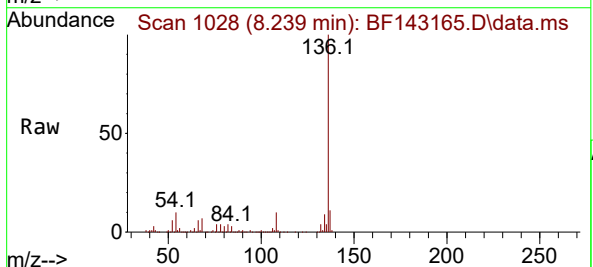


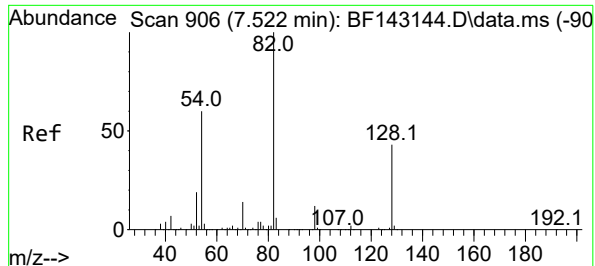
Tgt Ion: 99 Resp: 191446
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 34.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143165.D
Acq: 18 Jul 2025 14:25

Tgt Ion: 136 Resp: 319077
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.4 8.2 12.2
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 81.095 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

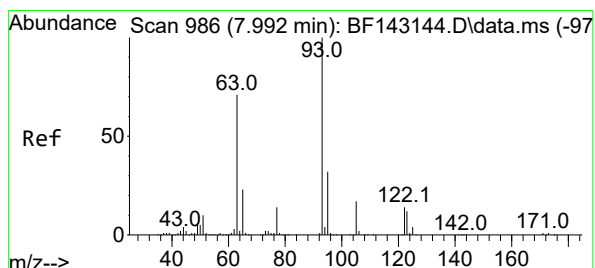
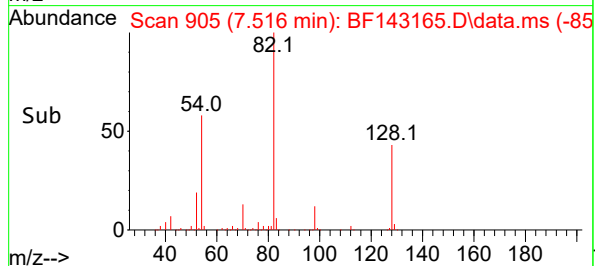
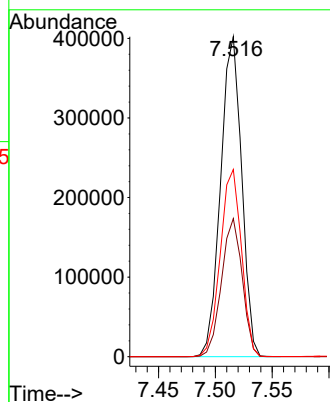
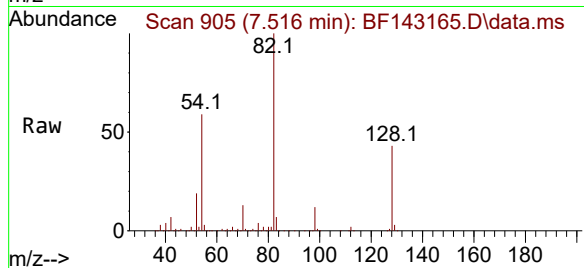
Tgt Ion: 82 Resp: 519099

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 58.5 47.1 70.7



#32

Benzoic acid

Concen: 21.715 ng

RT: 7.998 min Scan# 987

Delta R.T. 0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

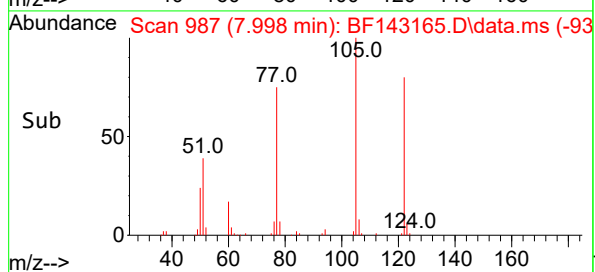
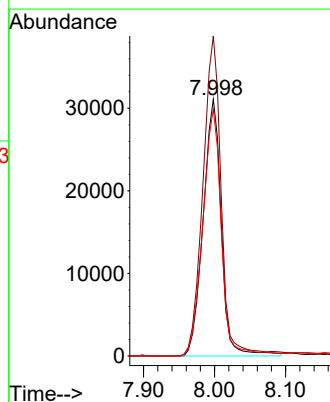
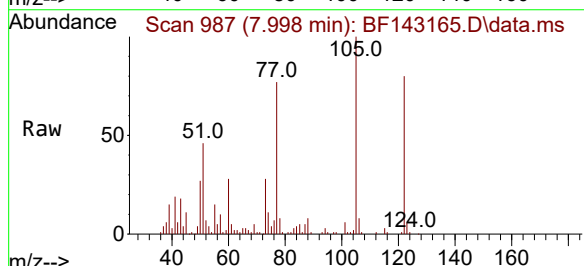
Tgt Ion: 122 Resp: 55126

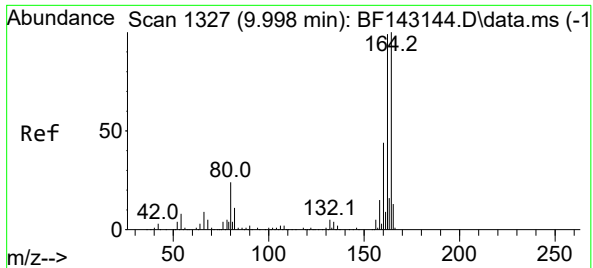
Ion Ratio Lower Upper

122 100

105 124.7 104.8 144.8

77 96.2 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

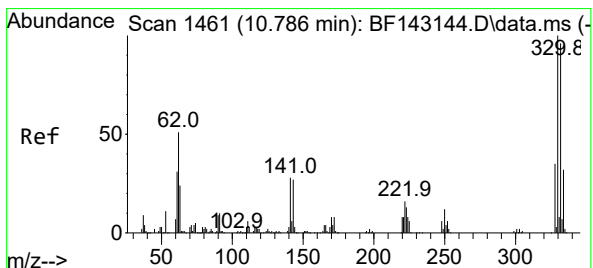
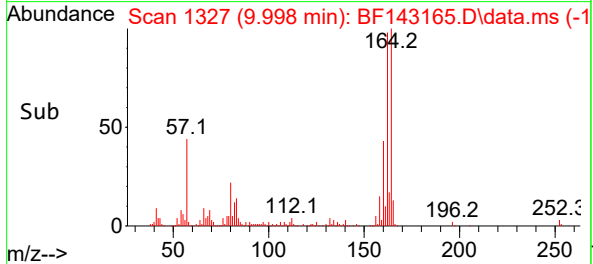
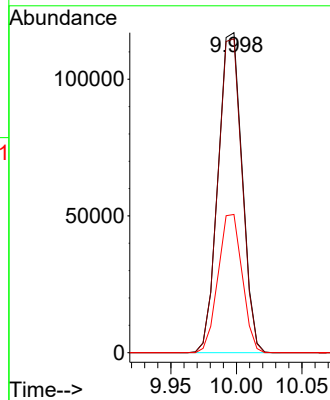
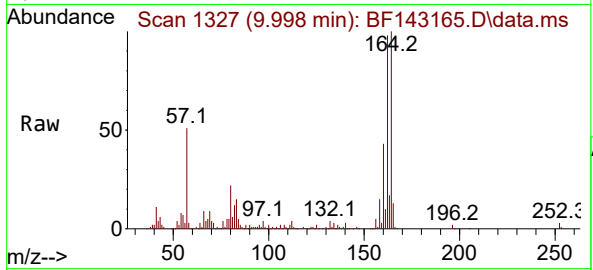
BNA_F

ClientSampleId :

EFF-WW

Tgt Ion:164 Resp: 149160

Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.0	118.6
160	43.2	35.1	52.7



#42

2,4,6-Tribromophenol

Concen: 86.458 ng

RT: 10.780 min Scan# 1460

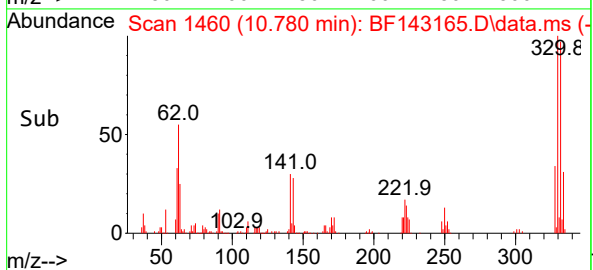
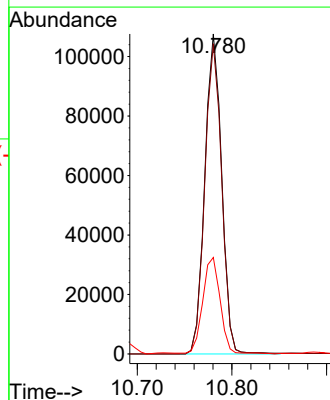
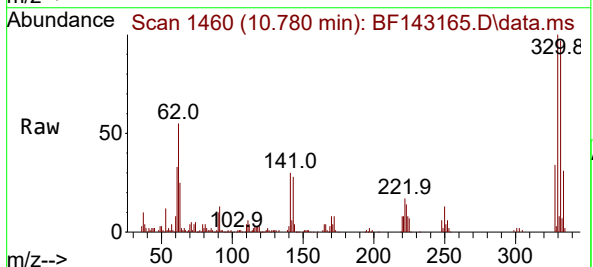
Delta R.T. -0.006 min

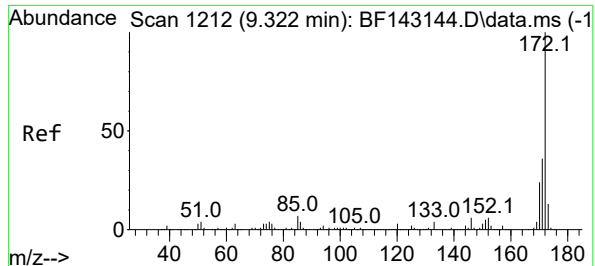
Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Tgt Ion:330 Resp: 133224

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	31.4	23.3	34.9





#45

2-Fluorobiphenyl

Concen: 83.108 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

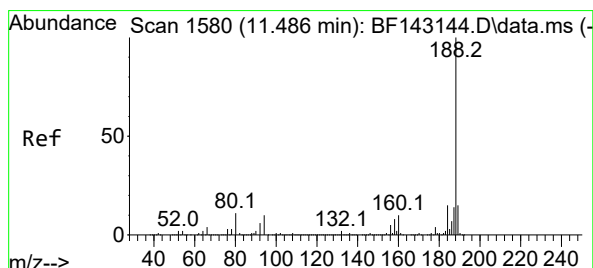
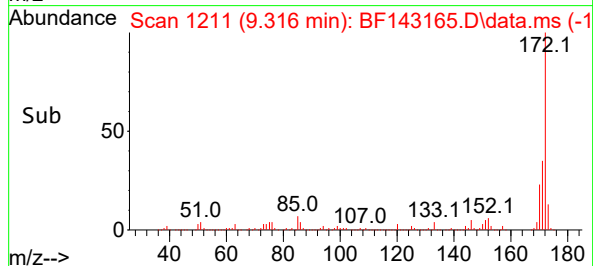
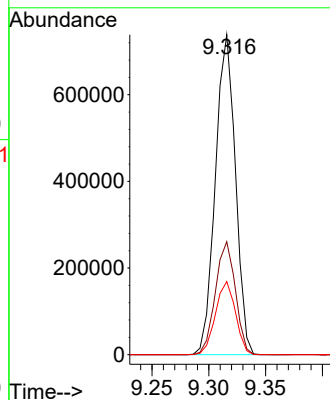
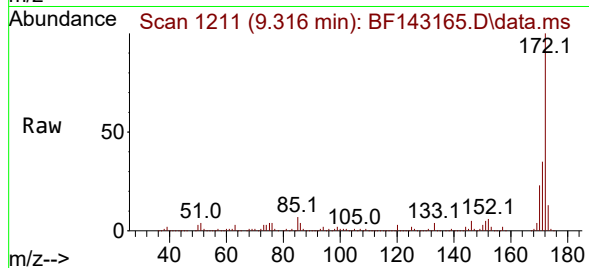
Tgt Ion:172 Resp: 906419

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 22.9 18.8 28.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

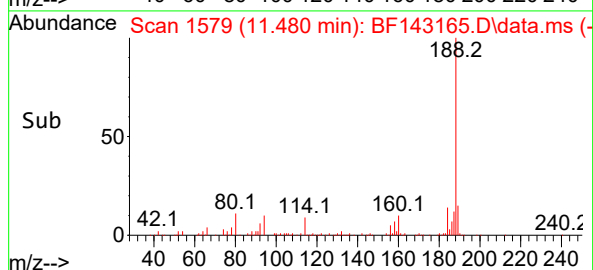
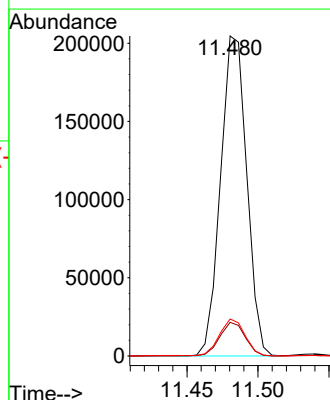
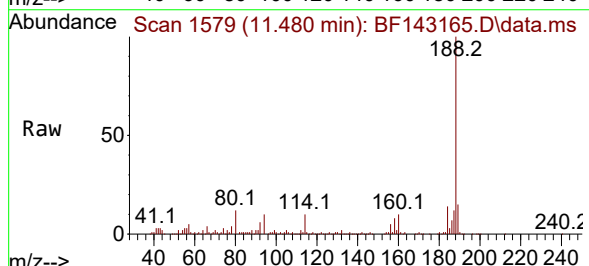
Tgt Ion:188 Resp: 262674

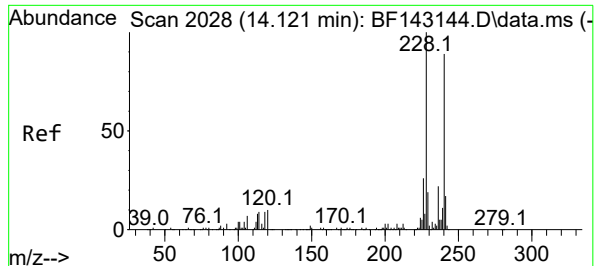
Ion Ratio Lower Upper

188 100

94 10.5 8.3 12.5

80 11.6 9.0 13.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

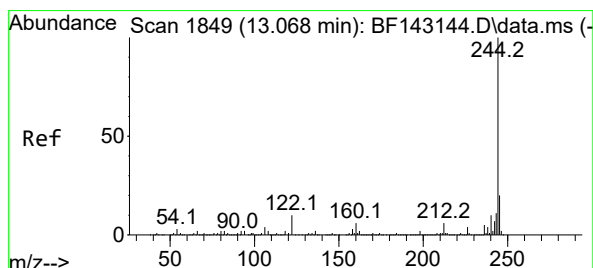
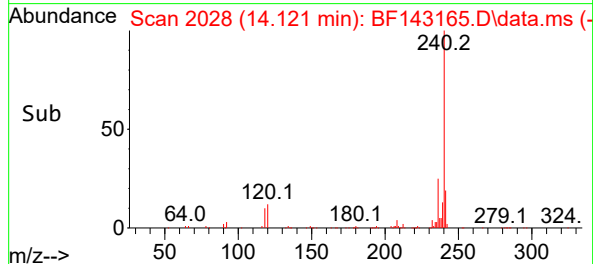
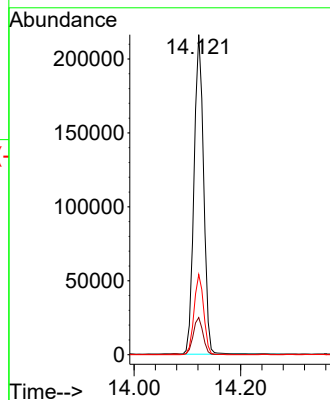
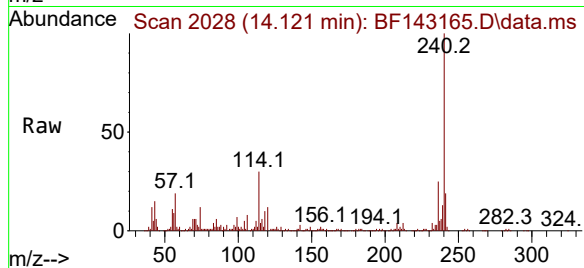
Tgt Ion:240 Resp: 270242

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 25.0 20.2 30.4



#79

Terphenyl-d14

Concen: 57.808 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

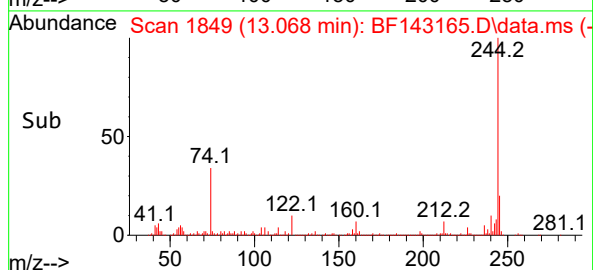
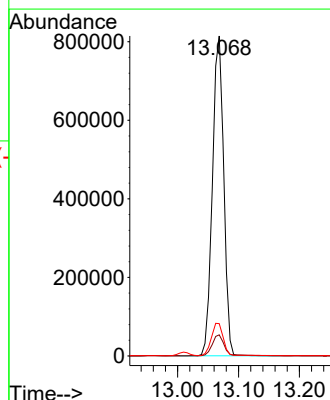
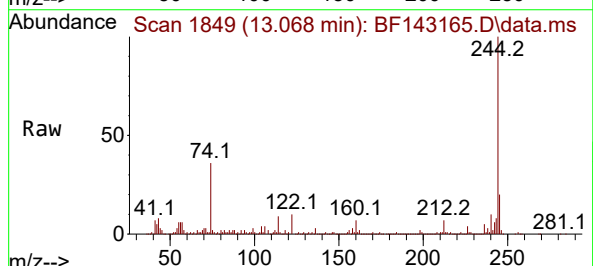
Tgt Ion:244 Resp: 1049796

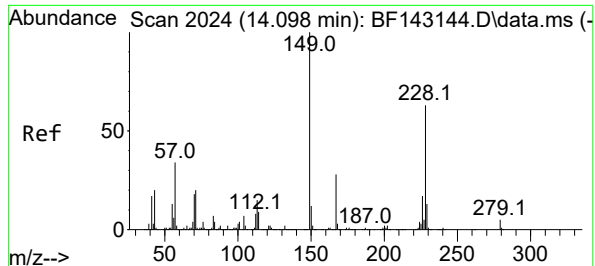
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.1 8.2 12.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.607 ng

RT: 14.104 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

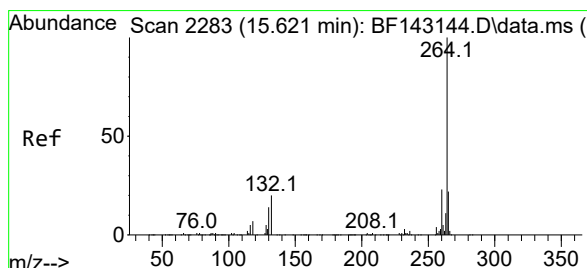
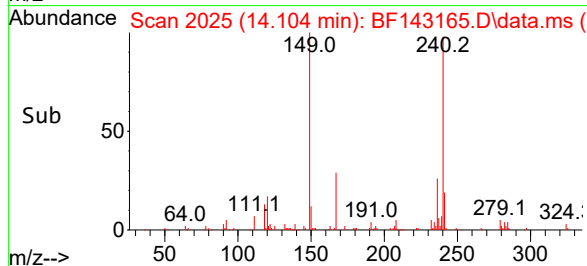
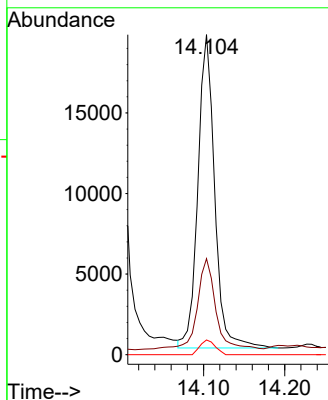
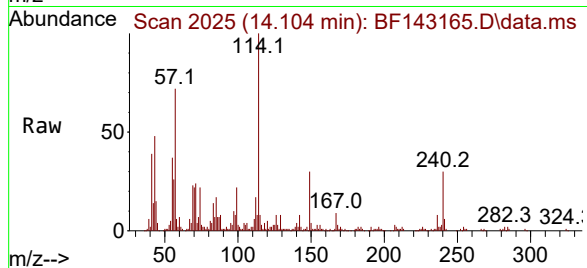
Tgt Ion:149 Resp: 27871

Ion Ratio Lower Upper

149 100

167 30.0 22.3 33.5

279 4.6 3.6 5.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. -0.000 min

Lab File: BF143165.D

Acq: 18 Jul 2025 14:25

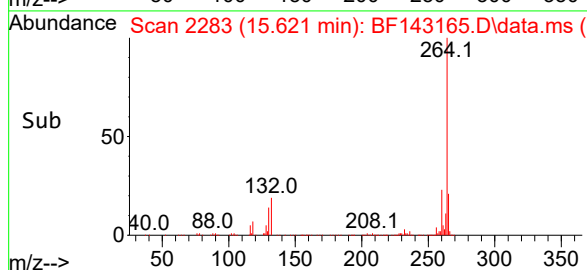
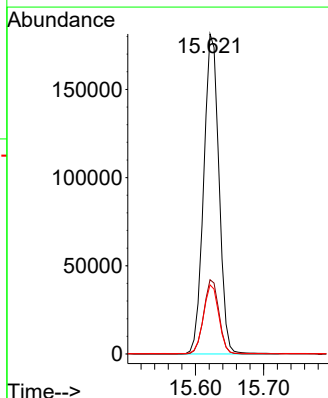
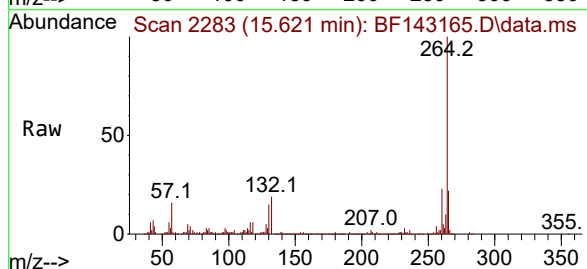
Tgt Ion:264 Resp: 282695

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.6 17.4 26.2





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: ARDM01Lab Code: ACESDG No.: Q2585Instrument ID: BNA_FCalibration Date(s): 07/17/2025 07/17/2025Calibration Time(s): 11:04 14:34

LAB FILE ID:		RRF2.5 = BF143140.D			RRF005 = BF143141.D		RRF010 = BF143142.D	
		RRF020 = BF143143.D			RRF040 = BF143144.D		RRF050 = BF143145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.776	0.799	0.810	0.851	0.801	3.7
2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.264	7.0
Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.591	6.7
Phenol		1.882	1.767	1.776	1.711	1.788	1.733	6.4
bis(2-Chloroethyl) ether		1.419	1.343	1.379	1.303	1.361	1.327	5.4
2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.325	4.9
2,2-oxybis(1-Chloropropane)		2.670	2.553	2.545	2.421	2.517	2.461	6.5
n-Nitroso-di-n-propylamine	1.101	1.111	1.051	1.028	0.986	1.023	1.021	6.8
Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.401	3.5
Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.502	4.7
Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.374	3.9
Isophorone		0.748	0.707	0.711	0.692	0.734	0.708	3.8
2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.162	11.2
2,4-Dimethylphenol		0.356	0.340	0.341	0.324	0.338	0.331	5.7
bis(2-Chloroethoxy) methane		0.463	0.437	0.442	0.413	0.430	0.425	6.3
2,4-Dichlorophenol		0.292	0.282	0.287	0.276	0.289	0.279	4.4
1,2,4-Trichlorobenzene		0.329	0.307	0.318	0.294	0.303	0.302	6.4
Naphthalene		1.118	1.038	1.032	0.954	0.986	0.985	8.9
Hexachlorobutadiene		0.193	0.190	0.191	0.181	0.188	0.184	4.6
4-Chloro-3-methylphenol		0.319	0.310	0.307	0.301	0.311	0.303	4.0
Hexachlorocyclopentadiene			0.337	0.373	0.373	0.404	0.376	6.1
2,4,6-Trichlorophenol		0.391	0.406	0.412	0.384	0.429	0.400	4.6
2-Fluorobiphenyl		1.761	1.644	1.547	1.358	1.414	1.462	13.6
2-Chloronaphthalene		1.268	1.223	1.192	1.103	1.166	1.155	7.1
Dimethylphthalate		1.422	1.340	1.340	1.279	1.325	1.304	6.2
Acenaphthylene		2.134	2.052	2.011	1.860	1.958	1.935	7.7
2,6-Dinitrotoluene		0.225	0.250	0.272	0.278	0.289	0.265	8.1
Acenaphthene		1.278	1.194	1.184	1.096	1.155	1.144	7.5
2,4-Dinitrophenol			0.051	0.081	0.104	0.116	0.098	28.0
4-Nitrophenol			0.200	0.228	0.246	0.250	0.232	7.7
2,4-Dinitrotoluene		0.269	0.296	0.342	0.354	0.372	0.333	11.0
Diethylphthalate		1.377	1.322	1.335	1.269	1.329	1.289	5.8
4-Chlorophenyl-phenylether		0.710	0.670	0.657	0.612	0.633	0.635	7.9
Fluorene		1.480	1.402	1.322	1.212	1.257	1.274	10.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: ARDM01Lab Code: ACESDG No.: Q2585Instrument ID: BNA_FCalibration Date(s): 07/17/2025 07/17/2025Calibration Time(s): 11:04 14:34

LAB FILE ID:		RRF2.5 = BF143140.D			RRF005 = BF143141.D		RRF010 = BF143142.D	
		RRF020 = BF143143.D			RRF040 = BF143144.D		RRF050 = BF143145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
4,6-Dinitro-2-methylphenol			0.054	0.087	0.097	0.110	0.094	22.9
n-Nitrosodiphenylamine		0.761	0.728	0.721	0.674	0.726	0.704	6.0
Azobenzene		1.452	1.401	1.389	1.320	1.364	1.343	6.4
2,4,6-Tribromophenol		0.200	0.202	0.212	0.210	0.218	0.207	3.5
4-Bromophenyl-phenylether		0.252	0.238	0.241	0.228	0.247	0.238	4.3
Hexachlorobenzene		0.269	0.248	0.252	0.239	0.258	0.249	4.8
Pentachlorophenol			0.119	0.146	0.148	0.160	0.147	9.7
Phenanthrene		1.191	1.100	1.117	1.020	1.069	1.062	8.0
Anthracene		1.184	1.136	1.134	1.038	1.095	1.083	7.1
Di-n-butylphthalate		1.076	1.054	1.129	1.074	1.119	1.070	4.4
Fluoranthene		1.085	0.987	1.018	0.953	0.979	0.975	6.9
Benzidine			0.758	0.844	0.953	0.697	0.771	17.5
Pyrene		1.909	1.783	1.783	1.715	1.740	1.707	8.7
Terphenyl-d14		1.567	1.456	1.419	1.311	1.342	1.344	11.4
Butylbenzylphthalate		0.438	0.472	0.536	0.544	0.582	0.523	9.6
3,3-Dichlorobenzidine			0.437	0.495	0.429	0.476	0.446	7.6
Benzo(a)anthracene		1.374	1.367	1.381	1.282	1.422	1.339	4.9
Chrysene		1.282	1.174	1.247	1.206	1.218	1.204	4.3
Bis(2-ethylhexyl)phthalate		0.691	0.755	0.824	0.789	0.862	0.791	7.0
Di-n-octyl phthalate			1.274	1.428	1.384	1.550	1.434	6.8
Benzo(b)fluoranthene		1.231	1.136	1.287	1.147	1.352	1.222	6.3
Benzo(k)fluoranthene		1.168	1.152	1.093	1.134	1.069	1.090	7.1
Benzo(a)pyrene		1.129	1.102	1.147	1.121	1.192	1.126	3.4
Indeno(1,2,3-cd)pyrene		1.424	1.336	1.430	1.413	1.505	1.410	3.9
Dibenzo(a,h)anthracene		1.159	1.103	1.179	1.147	1.221	1.148	3.9
Benzo(g,h,i)perylene		1.100	1.047	1.140	1.109	1.196	1.110	4.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 17 15:14:05 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF143147.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598		4.09
3)	Pyridine	1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552		3.88
4)	n-Nitrosodimet...		0.776	0.799	0.810	0.851	0.804	0.768	0.801		3.66
5) S	2-Fluorophenol	1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264		7.00
6)	Aniline	2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217		4.86
7) S	Phenol-d6	1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591		6.72
8)	2-Chlorophenol	1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325		4.87
9)	Benzaldehyde		1.167	1.163	1.443	1.411	1.122	0.851	1.193		18.13
10) C	Phenol	1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733		6.37
11)	bis(2-Chloroet...	1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327		5.40
12)	1,3-Dichlorobe...	1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439		7.18
13) C	1,4-Dichlorobe...	1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449		7.52
14)	1,2-Dichlorobe...	1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378		6.96
15)	Benzyl Alcohol		1.214	1.246	1.215	1.278	1.193	1.141	1.215		3.85
16)	2,2'-oxybis(1-...	2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461		6.55
17)	2-Methylphenol	1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114		4.61
18)	Hexachloroethane	0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502		4.68
19) P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)	3+4-Methylphenols		1.467	1.469	1.341	1.402	1.268	1.162	1.351		8.95
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474		8.65
23) S	Nitrobenzene-d5	0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401		3.47
24)	Nitrobenzene	0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374		3.88
25)	Isophorone	0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708		3.75
26) C	2-Nitrophenol	0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162		11.25
27)	2,4-Dimethylph...	0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331		5.70
28)	bis(2-Chloroet...	0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425		6.28
29) C	2,4-Dichloroph...	0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279		4.44
30)	1,2,4-Trichlor...	0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302		6.43
31)	Naphthalene	1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985		8.91
32)	Benzoic acid		0.104	0.149	0.180	0.197	0.187	0.194	0.169		21.36
33)	4-Chloroaniline	0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402		6.33
34) C	Hexachlorobuta...	0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184		4.59
35)	Caprolactam		0.078	0.084	0.087	0.091	0.085	0.082	0.084		5.35
36) C	4-Chloro-3-met...	0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303		4.04
37)	2-Methylnaphth...	0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599		8.17
38)	1-Methylnaphth...	0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617		8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M

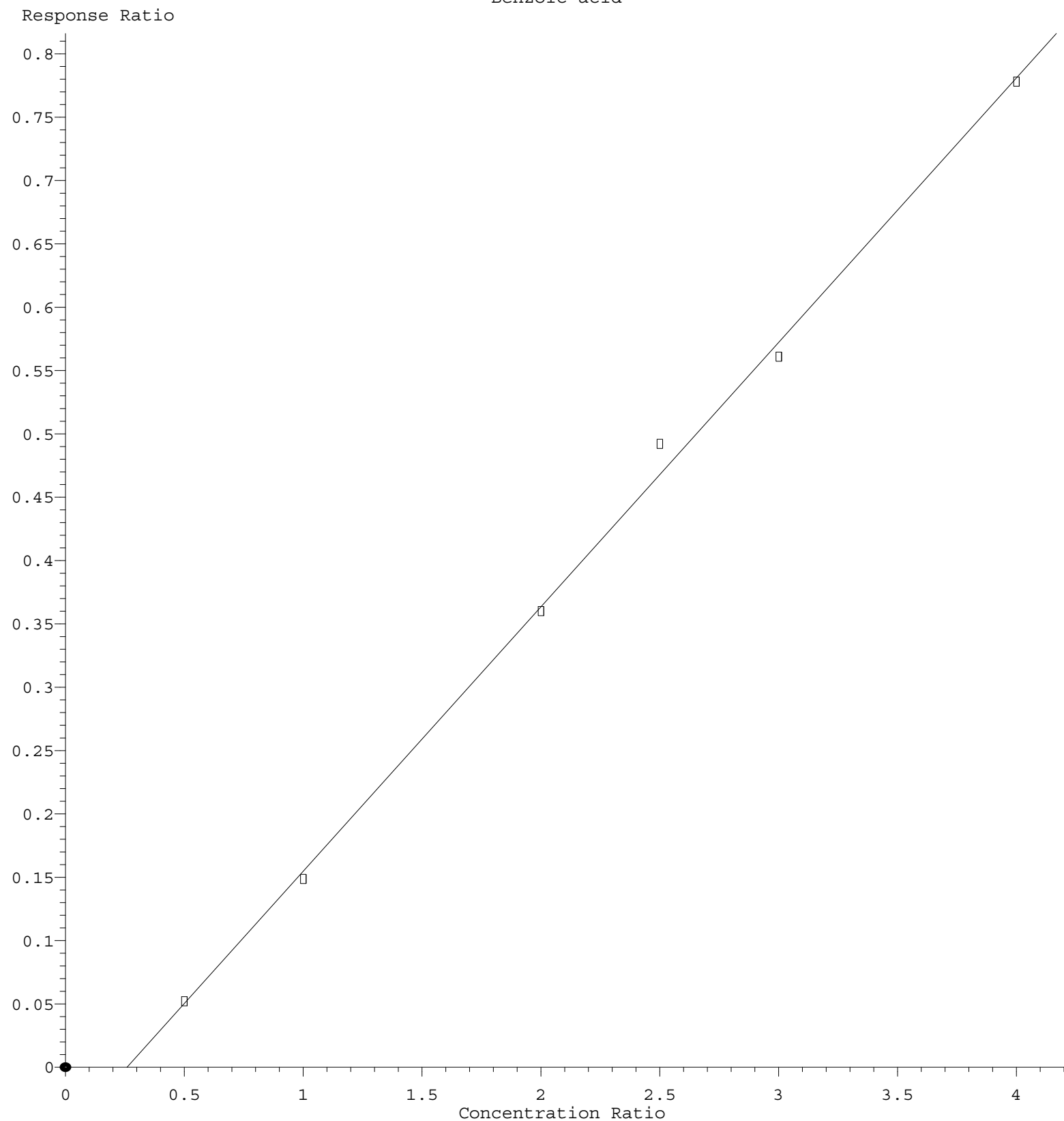
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93	
41) P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14	
42) S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55	
43) C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63	
44)	2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76	
45) S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58	
46)	1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62	
47)	2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14	
48)	2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85	
49)	Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71	
50)	Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16	
51)	2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14	
52) C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53	
53)	3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13	
54) P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02	
55)	Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02	
56) P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70	
57)	2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03	
58)	Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79	
59)	2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30	
60)	Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81	
61)	4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86	
62)	4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44	
63)	Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88	
66) c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03	
67)	4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26	
68)	Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80	
69)	Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32	
70) C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70	
71)	Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98	
72)	Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13	
73)	Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93	
74)	Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36	
75) C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53	
78)	Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72	
79) S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43	
80)	Butylbenzylphth...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61	
81)	Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86	
82)	3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58	
83)	Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29	
84)	Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03	
85) c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)	Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)	Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90) C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)	Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)	Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

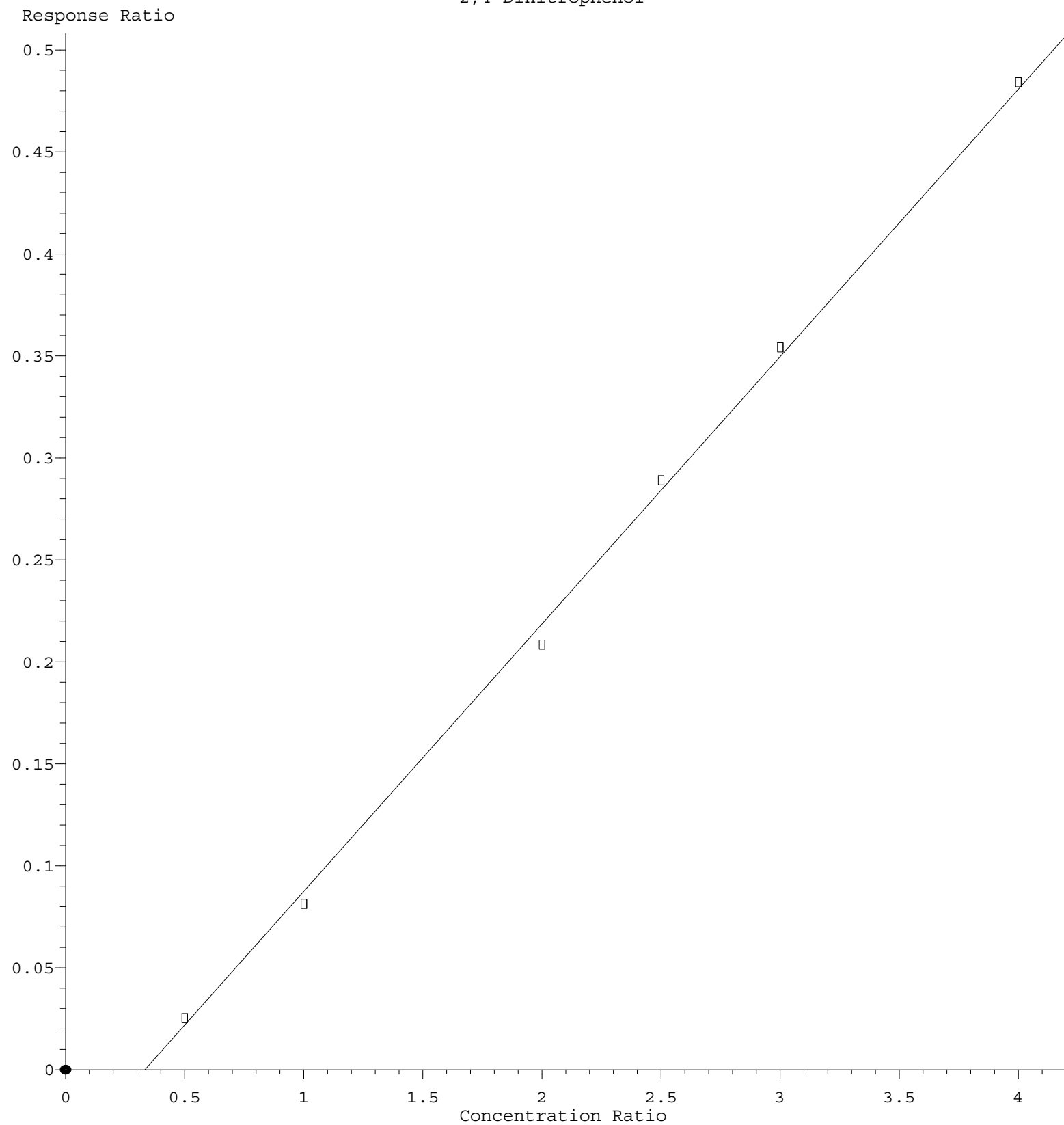
(#) = Out of Range

Benzoic acid



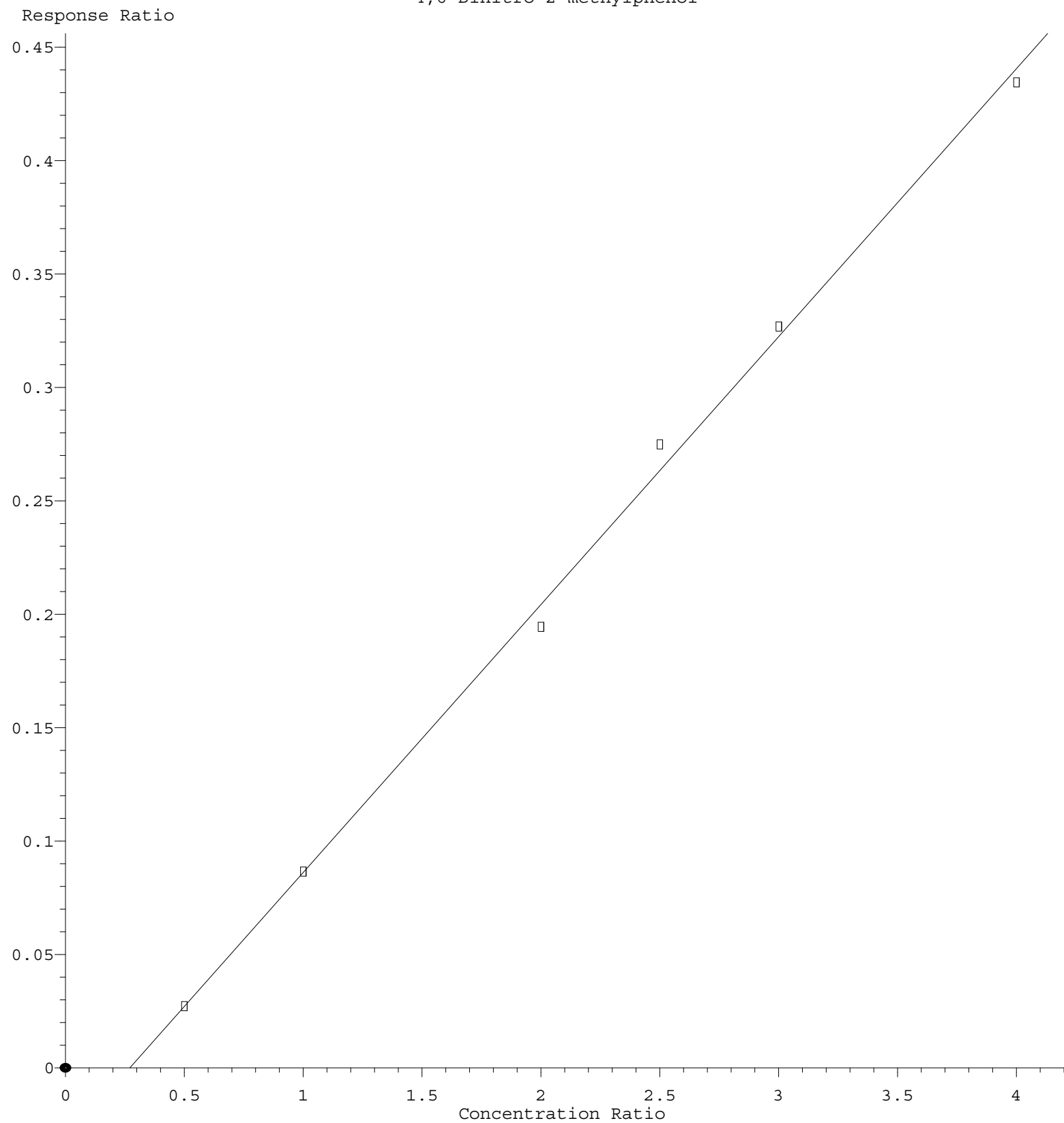
Response = $2.090 \times 10^{-1} \times \text{Amt} - 5.410 \times 10^{-2}$
 Coef of Det (r^2) = 0.998491 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071725.M
 Calibration Table Last Updated: Thu Jul 17 15:14:05 2025

2,4-Dinitrophenol



Response = $1.311\text{e-}001 \cdot \text{Amt} - 4.369\text{e-}002$
Coef of Det (r^2) = 0.998465 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071725.M
Calibration Table Last Updated: Thu Jul 17 15:14:05 2025

4,6-Dinitro-2-methylphenol



Response = 1.182e-001 * Amt - 3.198e-002
 Coef of Det (r^2) = 0.998318 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071725.M
 Calibration Table Last Updated: Thu Jul 17 15:14:05 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143140.D
 Acq On : 17 Jul 2025 11:04
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Jul 17 15:00:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

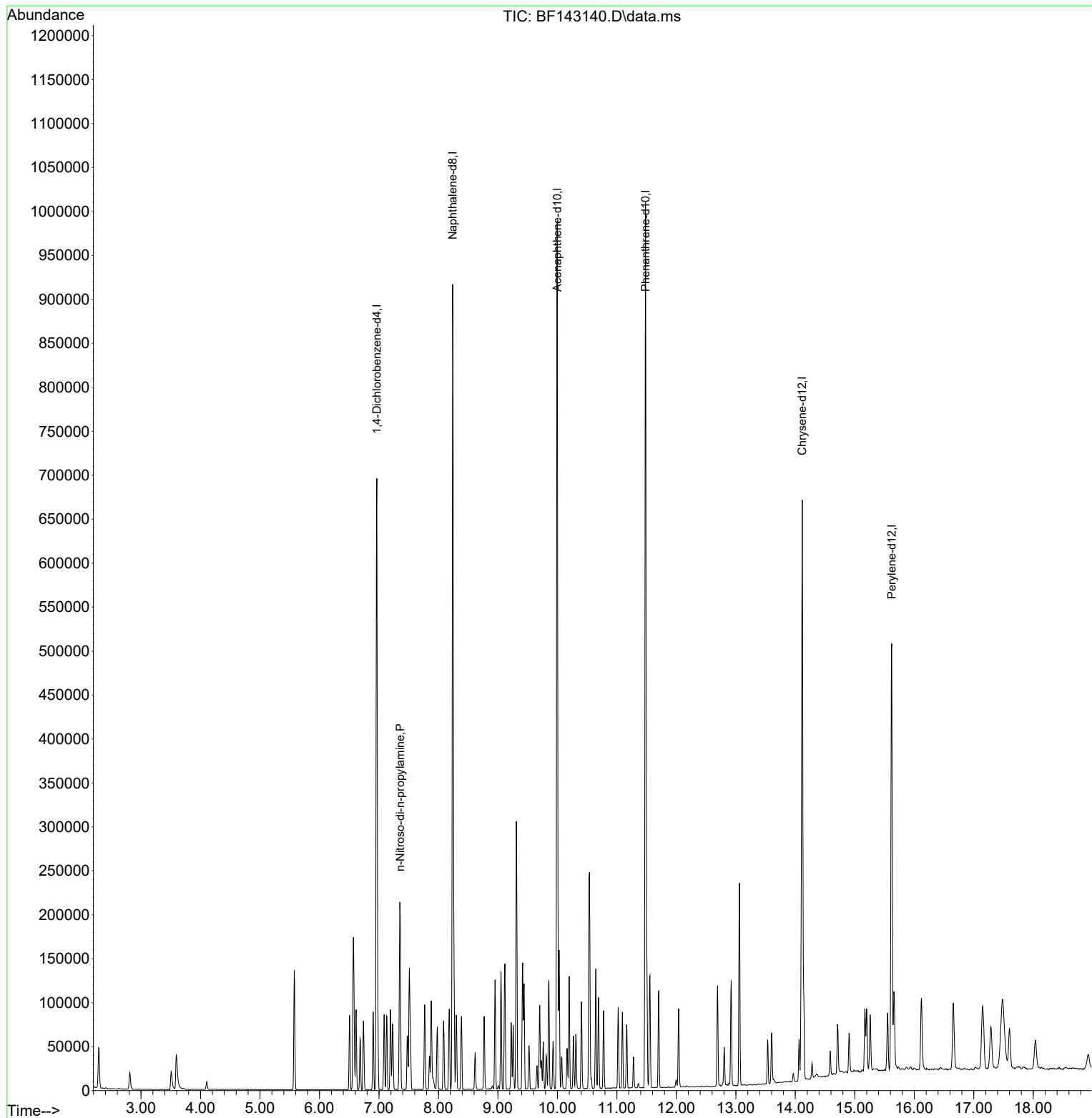
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	139766	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	547280	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293149	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	492765	20.000	ng	0.00
76) Chrysene-d12	14.116	240	283469	20.000	ng	0.00
86) Perylene-d12	15.621	264	284847	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						
19) n-Nitroso-di-n-propyla...	7.357	70	19227	2.696	ng	Qvalue 96

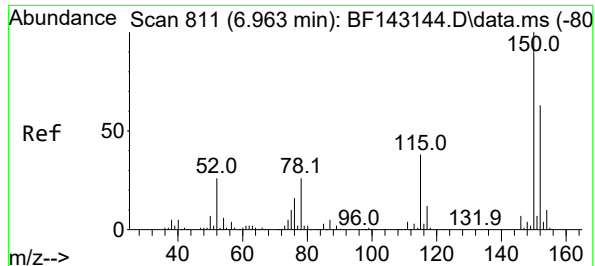
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143140.D
Acq On : 17 Jul 2025 11:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

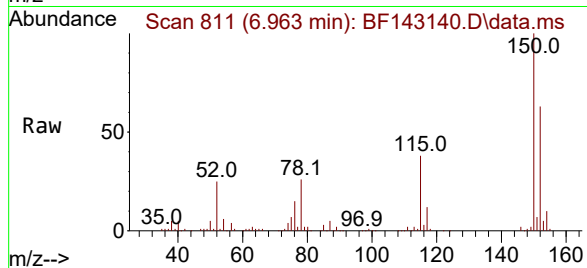
Quant Time: Jul 17 15:00:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



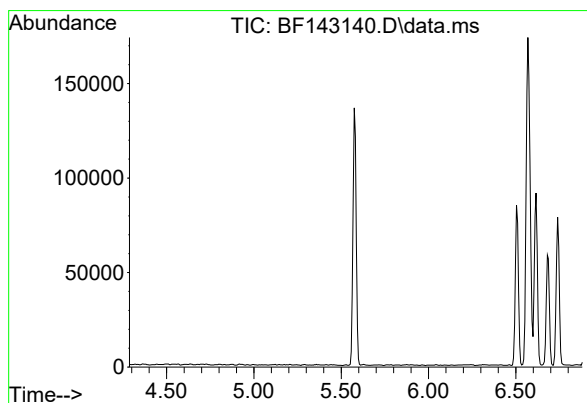
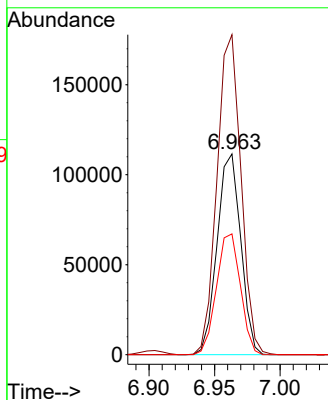
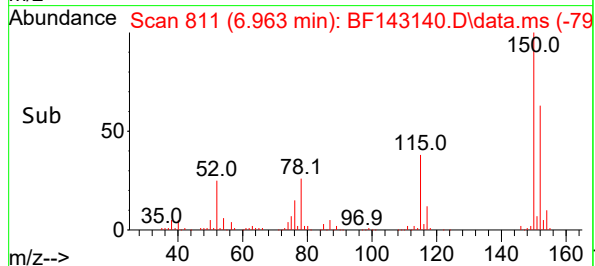


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



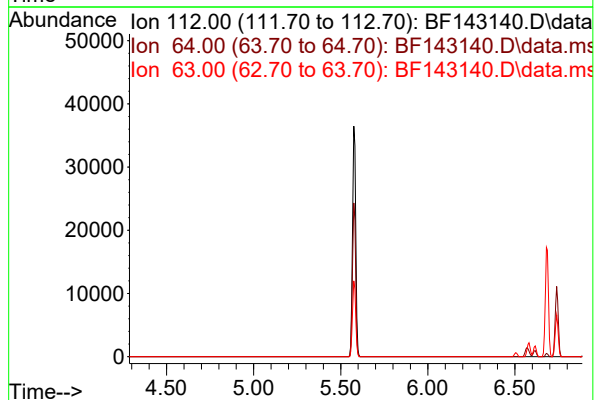
Tgt Ion:152 Resp: 139766
Ion Ratio Lower Upper
152 100
150 159.4 128.2 192.4
115 60.2 47.9 71.9



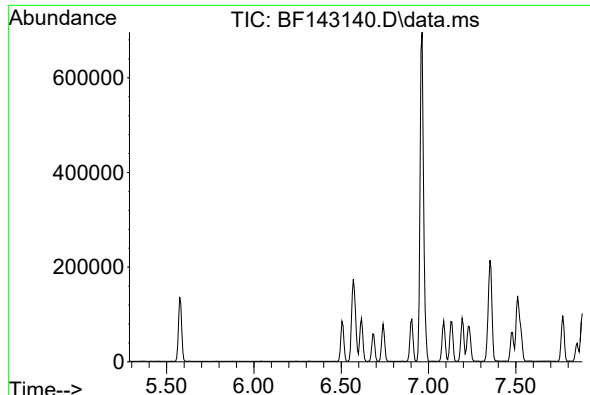
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 112
Sig Exp Ratio
112 100
64 66.4
63 33.3



Ion 64.00 (63.70 to 64.70): BF143140.D\data.ms
Ion 63.00 (62.70 to 63.70): BF143140.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.59 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

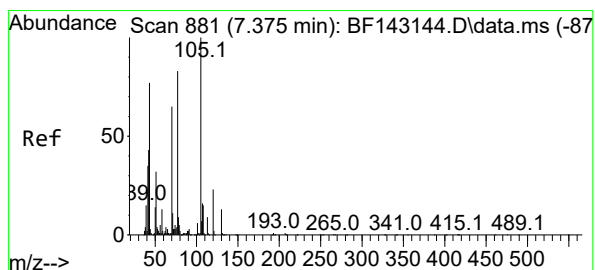
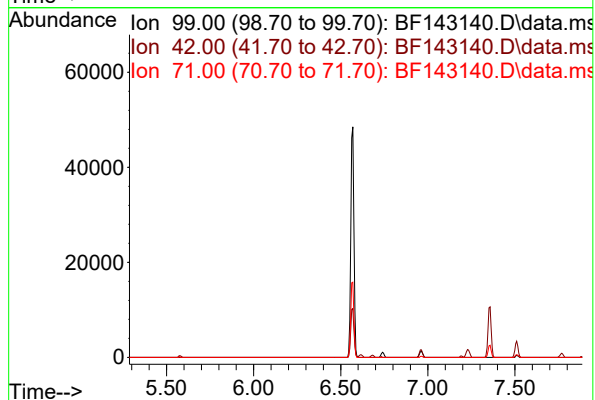
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.3

71 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.696 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.017 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Tgt Ion: 70 Resp: 19227

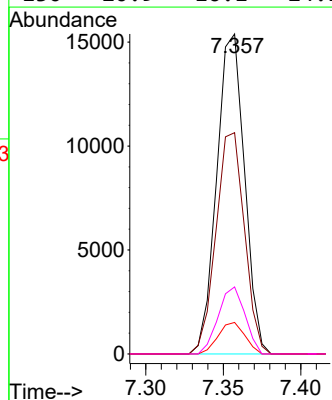
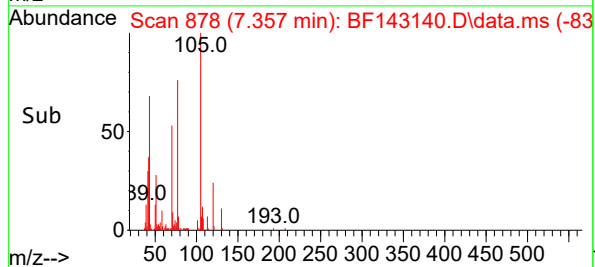
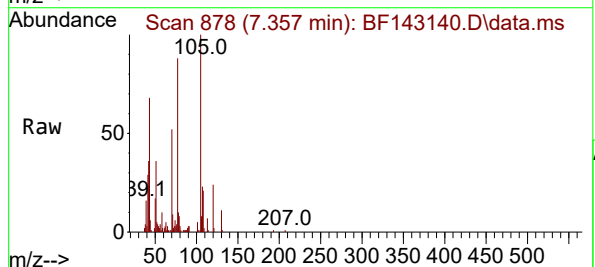
Ion Ratio Lower Upper

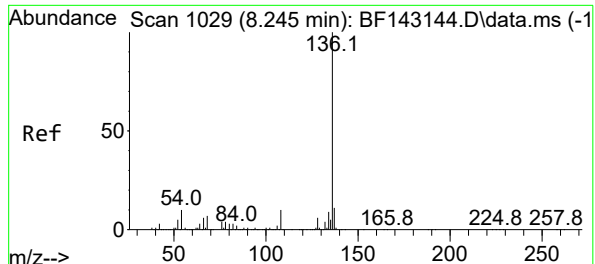
70 100

42 69.2 52.5 78.7

101 9.9 7.6 11.4

130 20.9 16.1 24.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.240 min Scan# 10

Delta R.T. -0.005 min

Lab File: BF143140.D

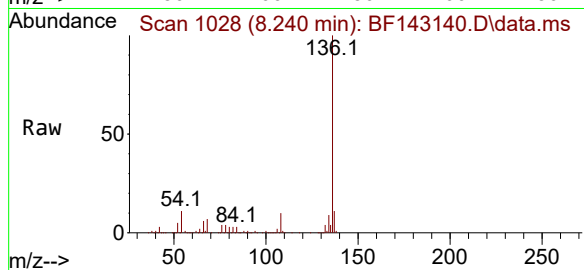
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 547280

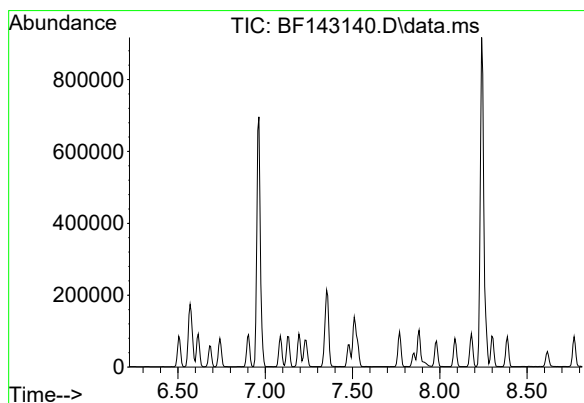
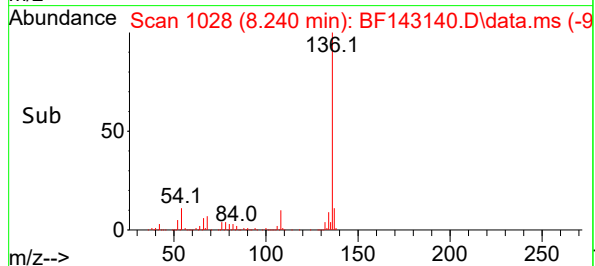
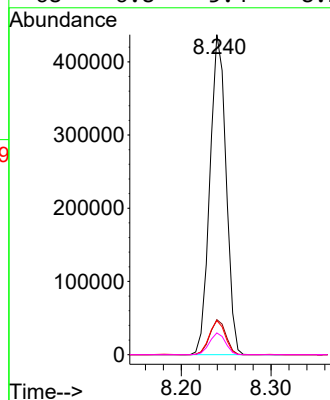
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.6 8.2 12.2

68 6.8 5.4 8.2



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.52 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

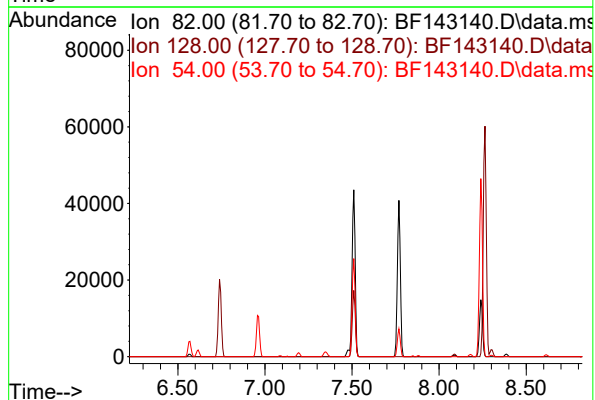
Tgt Ion: 82

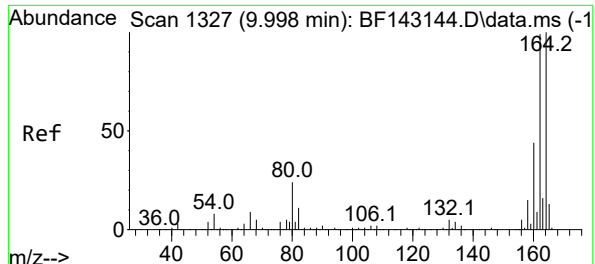
Sig Exp Ratio

82 100

128 42.0

54 58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

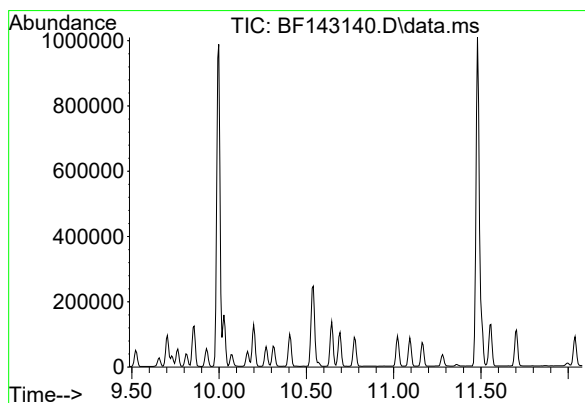
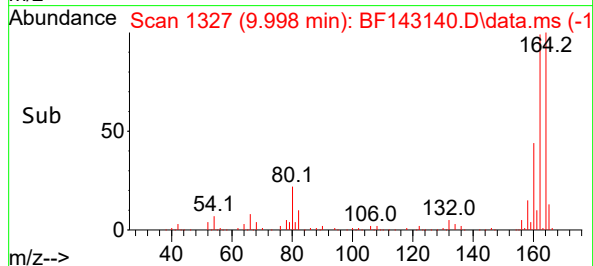
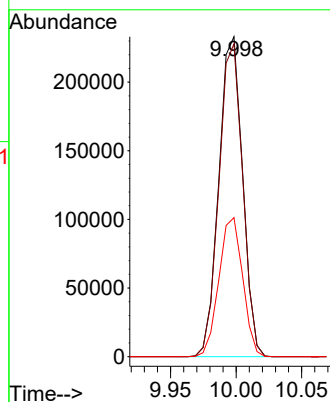
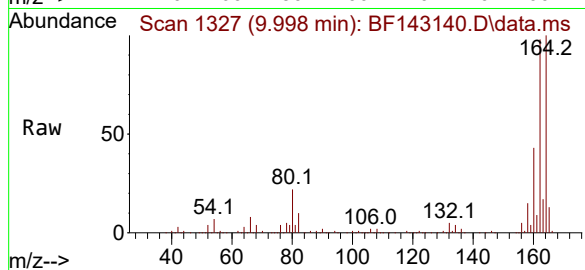
Tgt Ion:164 Resp: 293149

Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

160 43.5 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.79 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

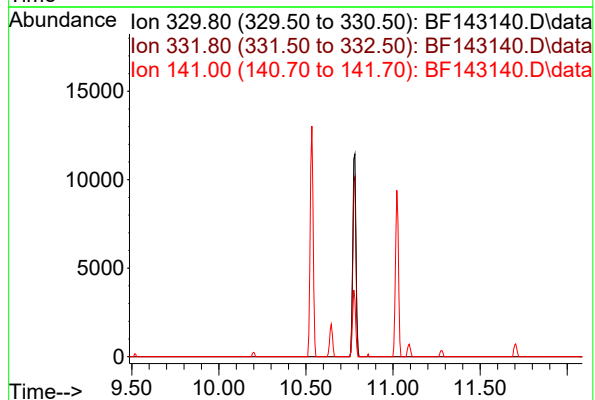
Tgt Ion: 330

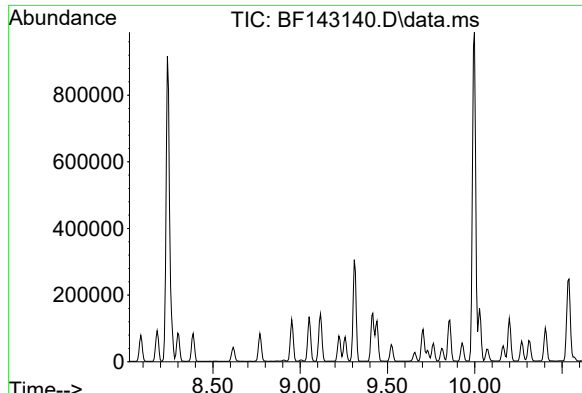
Sig Exp Ratio

330 100

332 95.9

141 29.1





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.32 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

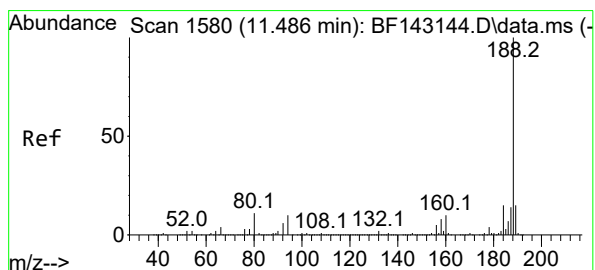
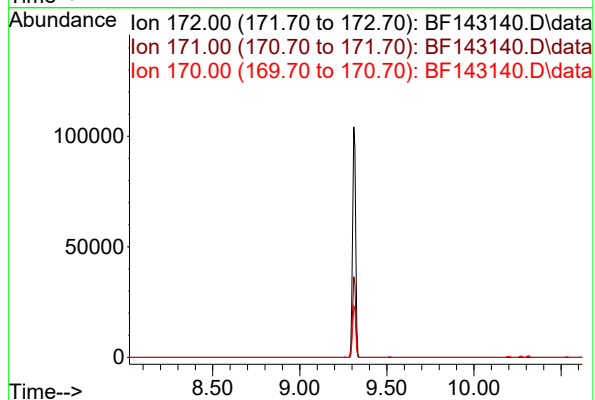
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.7

170 23.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.481 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

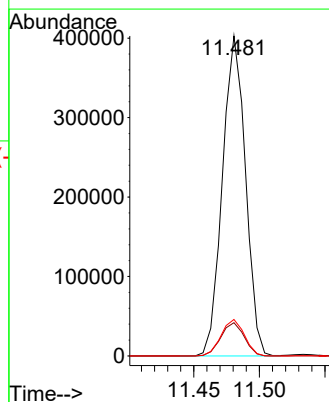
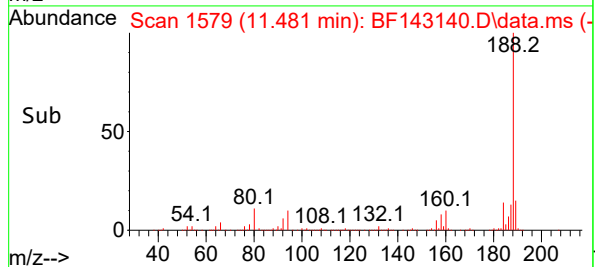
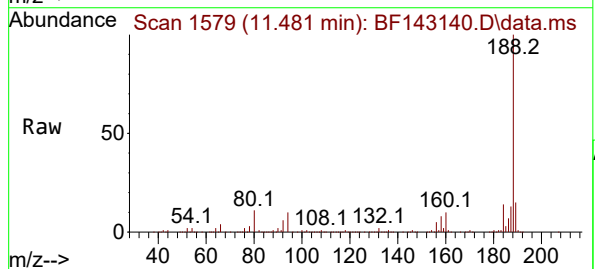
Tgt Ion:188 Resp: 492765

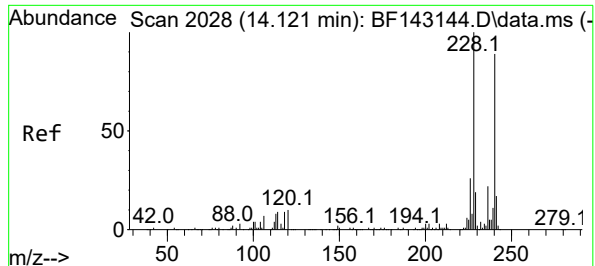
Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.4 9.0 13.6

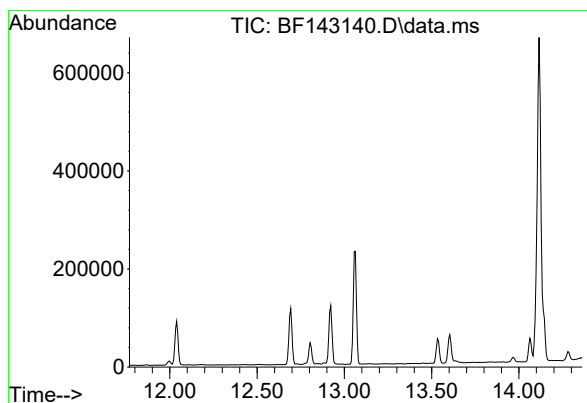
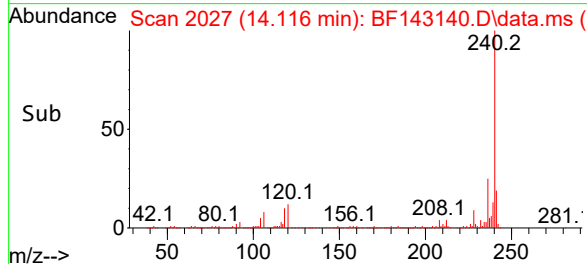
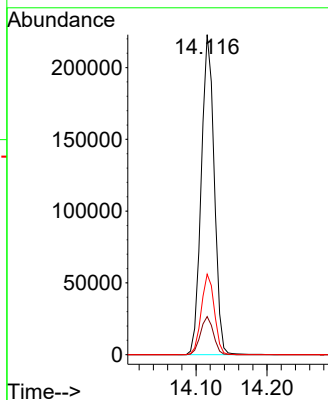
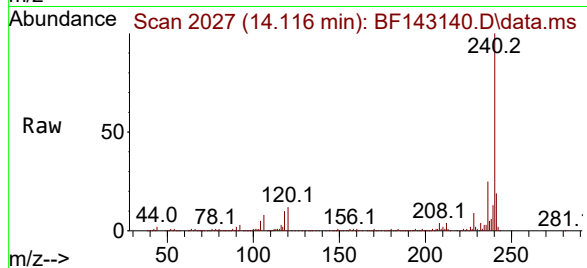




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

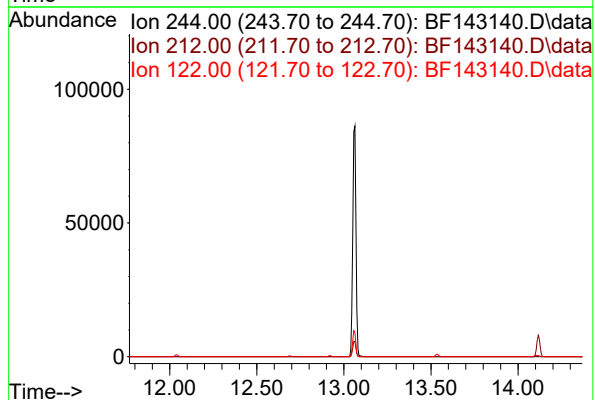
Tgt Ion:240 Resp: 283469
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4

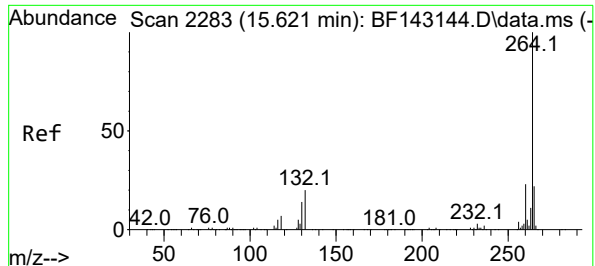


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.5
122 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143140.D

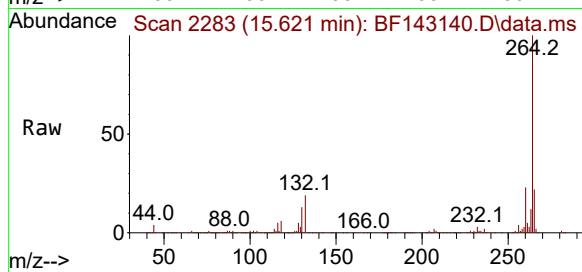
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



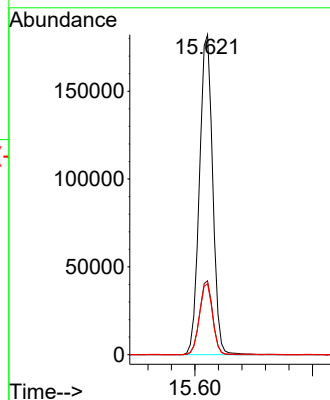
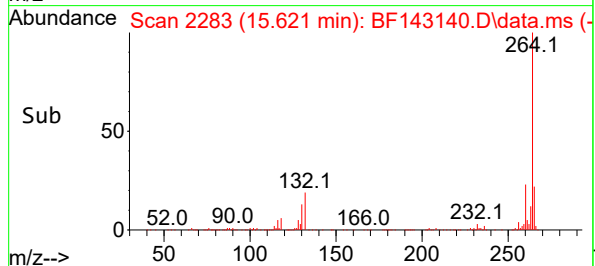
Tgt Ion:264 Resp: 284847

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.1 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129942	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	504796	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	263409	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	432329	20.000	ng	0.00
76) Chrysene-d12	14.116	240	253004	20.000	ng	0.00
86) Perylene-d12	15.615	264	255898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	89958	10.955	ng	0.00
7) Phenol-d6	6.569	99	112575	10.892	ng	-0.02
23) Nitrobenzene-d5	7.510	82	102749m	10.146	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	26288	9.661	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	231962	12.043	ng	-0.01
79) Terphenyl-d14	13.063	244	198167	11.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	20208	5.201	ng	97
3) Pyridine	3.587	79	52981	5.254	ng	99
6) Aniline	6.616	93	75811	5.263	ng	99
8) 2-Chlorophenol	6.740	128	45203	5.252	ng	98
10) Phenol	6.581	94	61148	5.431	ng	99
11) bis(2-Chloroethyl)ether	6.687	93	46083	5.345	ng	98
12) 1,3-Dichlorobenzene	6.904	146	51056	5.460	ng	98
13) 1,4-Dichlorobenzene	6.981	146	52031	5.526	ng	100
14) 1,2-Dichlorobenzene	7.134	146	49028	5.474	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	86727	5.423	ng	100
17) 2-Methylphenol	7.192	107	38278	5.289	ng	97
18) Hexachloroethane	7.481	117	16944	5.198	ng	97
19) n-Nitroso-di-n-propyla...	7.357	70	36103	5.445	ng	98
22) Acetophenone	7.357	105	66559	5.569	ng	# 98
24) Nitrobenzene	7.528	77	47902	5.074	ng	96
25) Isophorone	7.769	82	94372	5.279	ng	99
26) 2-Nitrophenol	7.851	139	16827	4.107	ng	98
27) 2,4-Dimethylphenol	7.881	122	44954	5.382	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	58465	5.455	ng	99
29) 2,4-Dichlorophenol	8.087	162	36884	5.236	ng	97
30) 1,2,4-Trichlorobenzene	8.181	180	41552	5.460	ng	99
31) Naphthalene	8.263	128	141099	5.676	ng	99
33) 4-Chloroaniline	8.304	127	55130	5.431	ng	98
34) Hexachlorobutadiene	8.386	225	24322	5.232	ng	100
36) 4-Chloro-3-methylphenol	8.769	107	40203	5.251	ng	98
37) 2-Methylnaphthalene	8.951	142	84234	5.568	ng	98
38) 1-Methylnaphthalene	9.051	142	86130	5.529	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41999	5.523	ng	100
43) 2,4,6-Trichlorophenol	9.222	196	25730	4.889	ng	100
44) 2,4,5-Trichlorophenol	9.257	196	26626	5.057	ng	98
46) 1,1'-Biphenyl	9.416	154	115130	5.602	ng	100
47) 2-Chloronaphthalene	9.439	162	83495	5.491	ng	98
48) 2-Nitroaniline	9.522	65	20076	4.210	ng	95
49) Acenaphthylene	9.857	152	140525	5.514	ng	98
50) Dimethylphthalate	9.704	163	93611	5.452	ng	99
51) 2,6-Dinitrotoluene	9.763	165	14787	4.234	ng	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

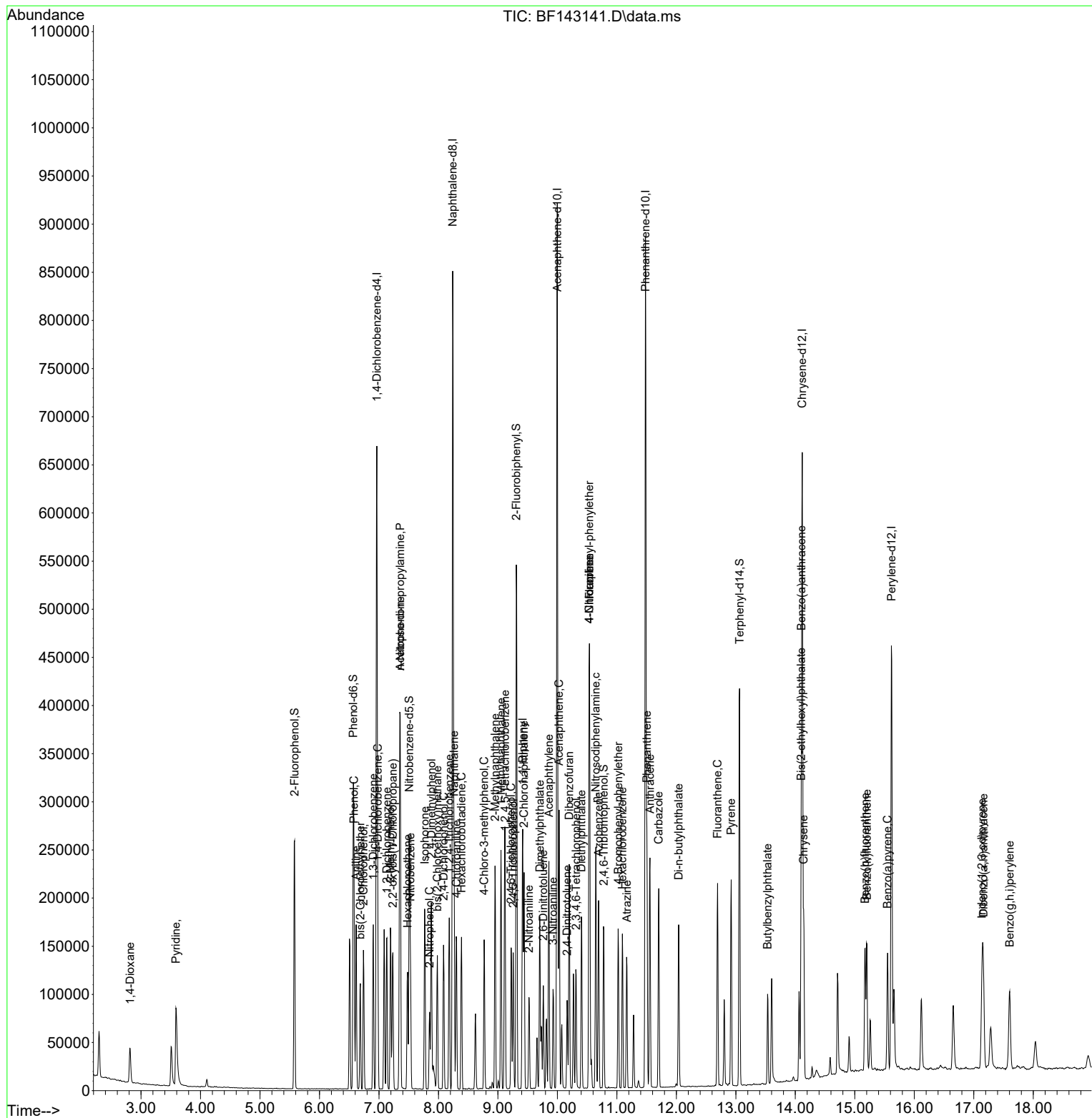
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	10.028	154	84160	5.588	ng	99
53) 3-Nitroaniline	9.928	138	18738	4.587	ng	94
55) Dibenzofuran	10.198	168	127035	5.681	ng	97
57) 2,4-Dinitrotoluene	10.163	165	17709	4.041	ng	92
58) Fluorene	10.539	166	97477	5.808	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	21108	4.840	ng	# 97
60) Diethylphthalate	10.404	149	90651	5.342	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	46747	5.594	ng	98
62) 4-Nitroaniline	10.533	138	15568	4.446	ng	96
63) Azobenzene	10.692	77	95602	5.405	ng	99
66) n-Nitrosodiphenylamine	10.645	169	82281	5.405	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	27259	5.291	ng	97
68) Hexachlorobenzene	11.092	284	29052	5.395	ng	98
69) Atrazine	11.169	200	19865	4.733	ng	99
71) Phenanthrene	11.504	178	128762	5.609	ng	100
72) Anthracene	11.557	178	127938	5.465	ng	98
73) Carbazole	11.704	167	112588	5.507	ng	99
74) Di-n-butylphthalate	12.039	149	116291	5.027	ng	99
75) Fluoranthene	12.692	202	117249	5.565	ng	99
78) Pyrene	12.922	202	120767	5.593	ng	98
80) Butylbenzylphthalate	13.533	149	27699	4.189	ng	97
81) Benzo(a)anthracene	14.104	228	86920	5.131	ng	98
83) Chrysene	14.139	228	81091	5.325	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	43732	4.370	ng	99
87) Indeno(1,2,3-cd)pyrene	17.139	276	91076	5.047	ng	100
88) Benzo(b)fluoranthene	15.174	252	78749	5.037	ng	99
89) Benzo(k)fluoranthene	15.204	252	74738	5.358	ng	98
90) Benzo(a)pyrene	15.551	252	72196	5.012	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	74120	5.047	ng	100
92) Benzo(g,h,i)perylene	17.604	276	70403	4.955	ng	99

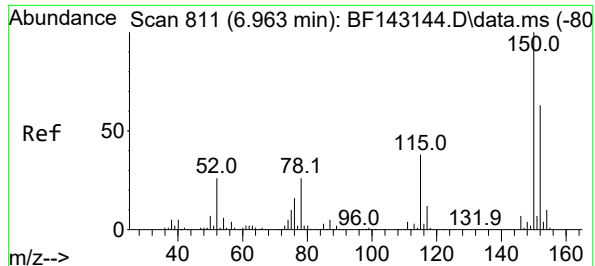
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

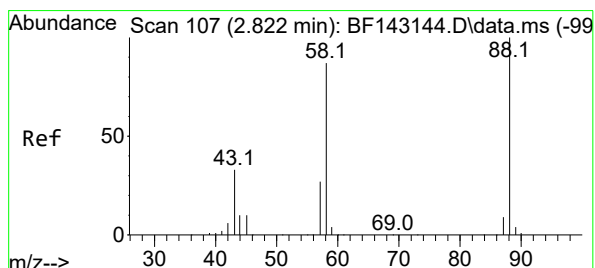
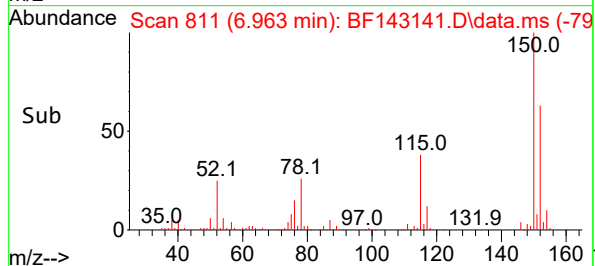
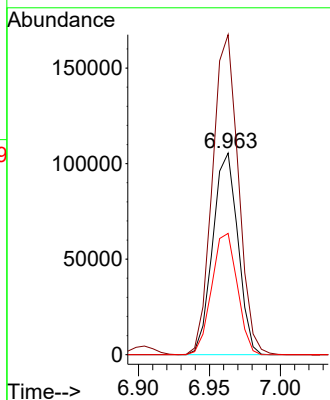
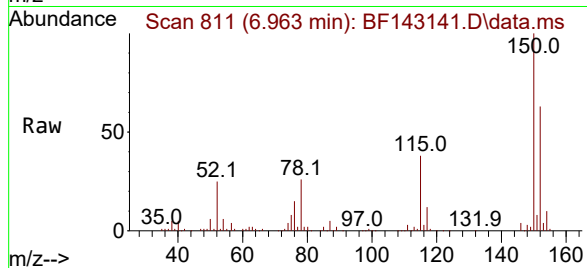




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

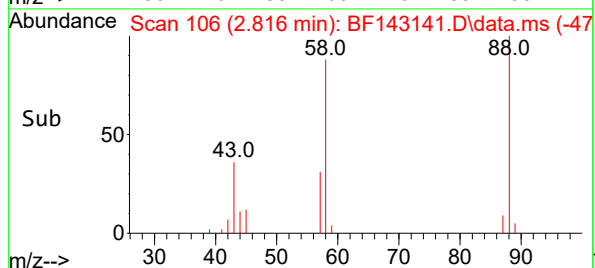
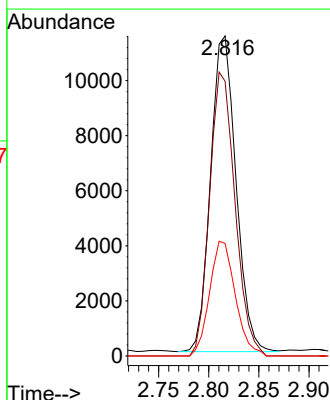
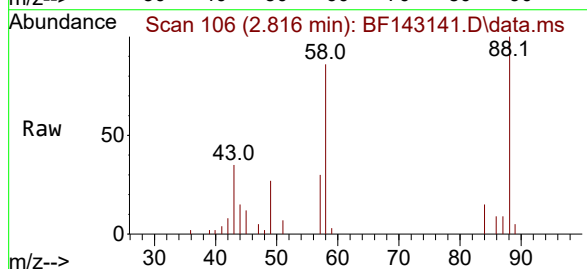
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

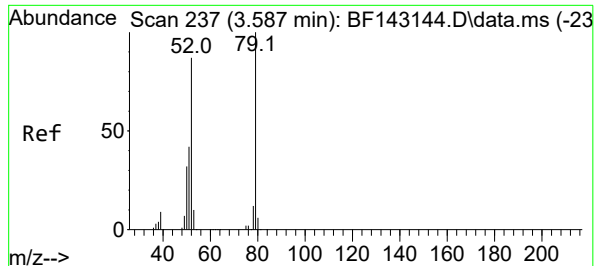
Tgt Ion:152 Resp: 129942
Ion Ratio Lower Upper
152 100
150 158.7 128.2 192.4
115 60.2 47.9 71.9



#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 88 Resp: 20208
Ion Ratio Lower Upper
88 100
58 89.6 70.2 105.2
43 36.7 27.1 40.7





#3

Pyridine

Concen: 5.254 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

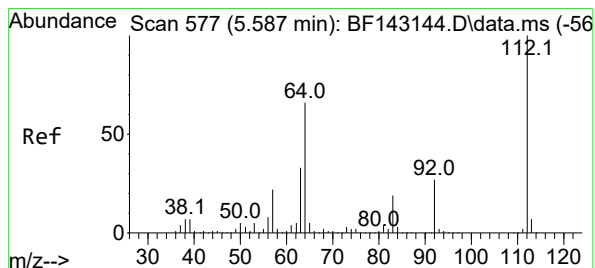
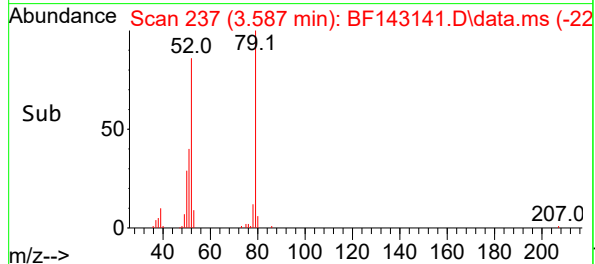
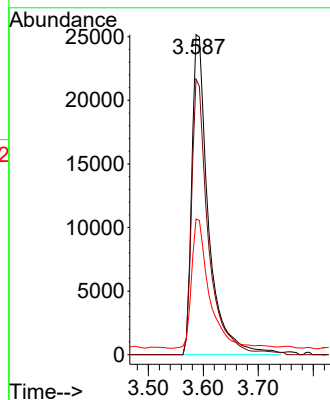
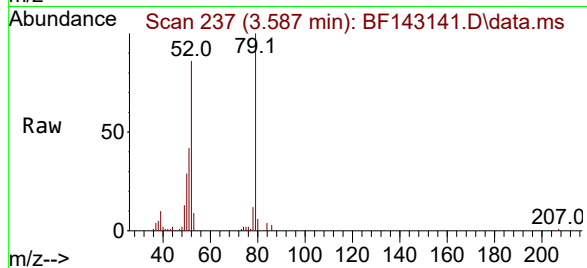
Tgt Ion: 79 Resp: 52981

Ion Ratio Lower Upper

79 100

52 86.1 69.4 104.2

51 42.4 33.5 50.3



#5

2-Fluorophenol

Concen: 10.955 ng

RT: 5.581 min Scan# 576

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

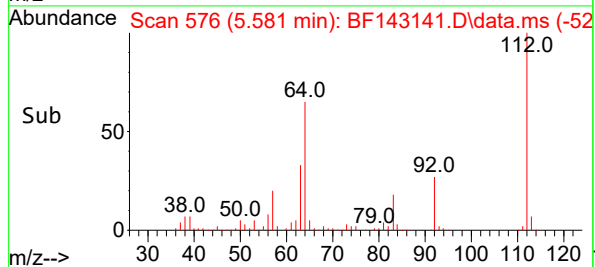
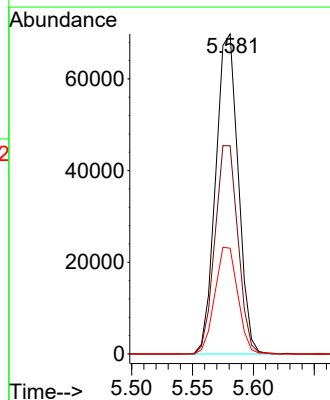
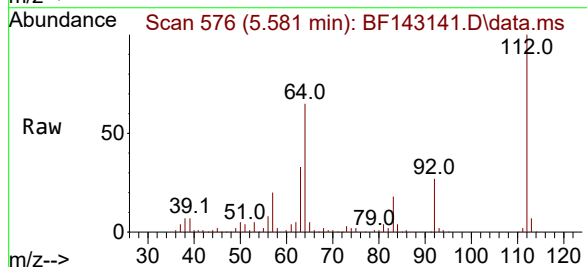
Tgt Ion: 112 Resp: 89958

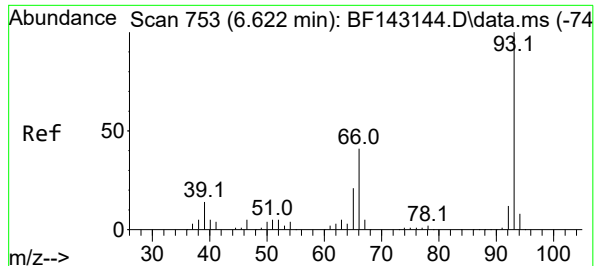
Ion Ratio Lower Upper

112 100

64 65.1 53.1 79.7

63 33.1 26.6 40.0

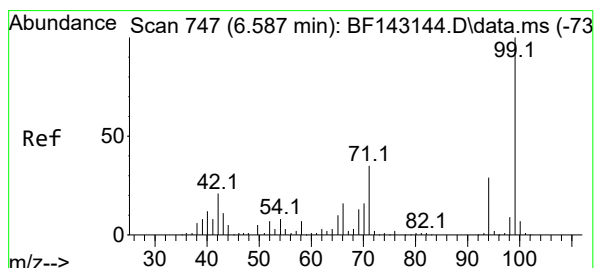
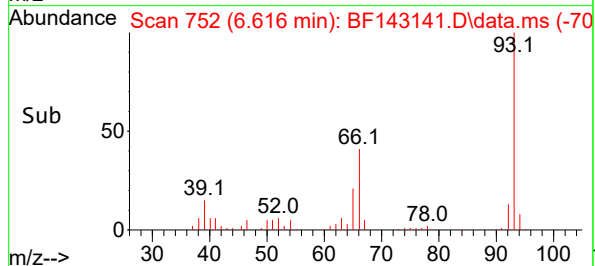
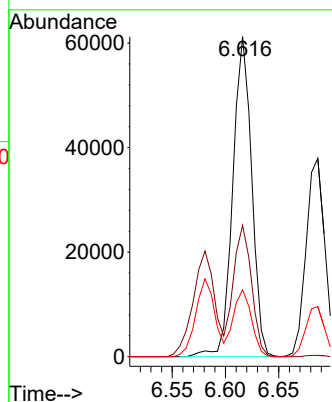
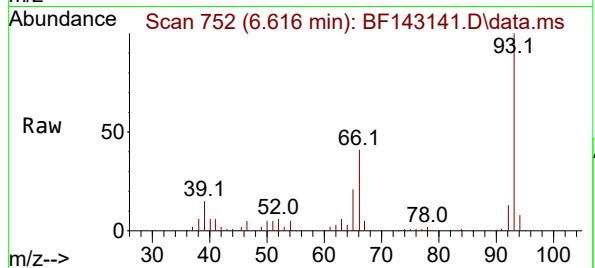




#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

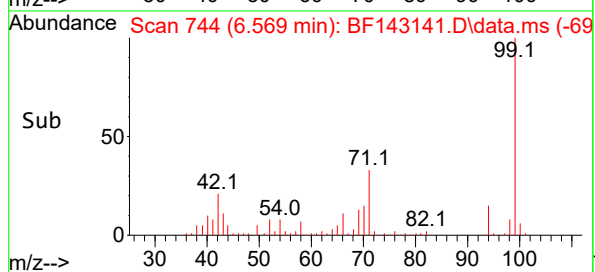
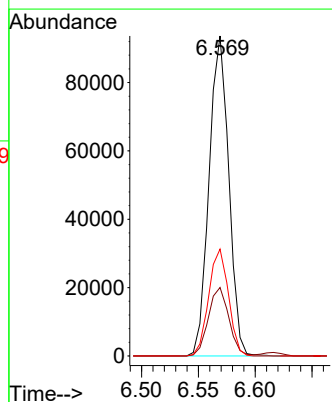
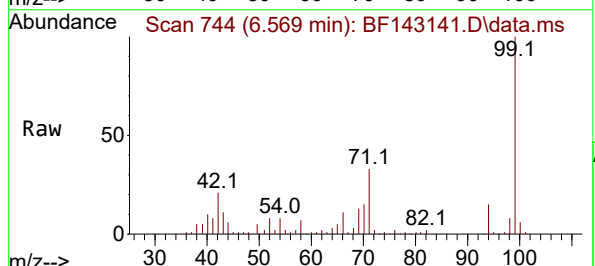
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

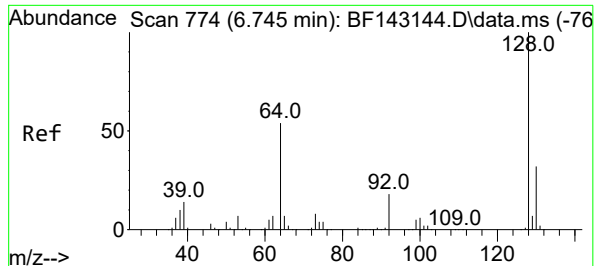
Tgt Ion: 93 Resp: 75811
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.9 16.9 25.3



#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 99 Resp: 112575
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 33.4 27.7 41.5

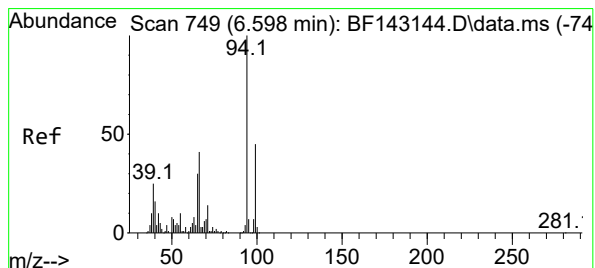
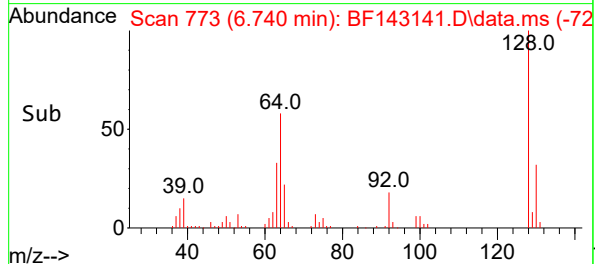
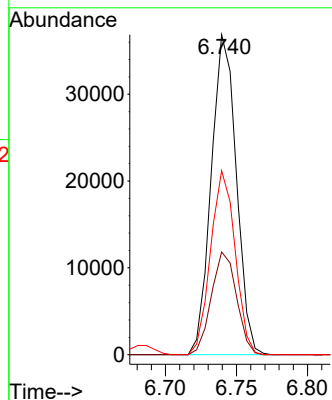
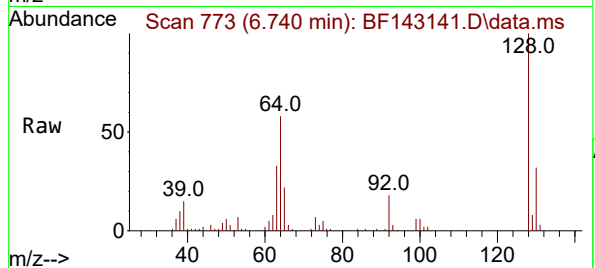




#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

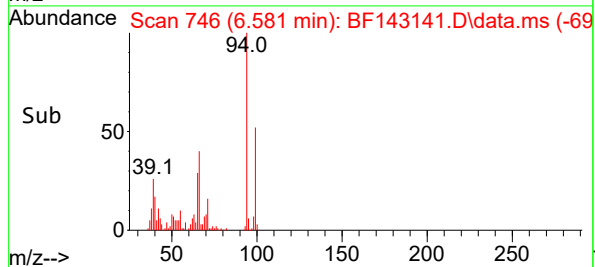
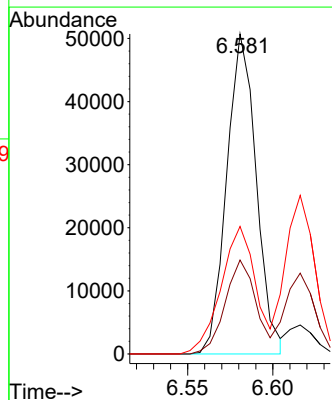
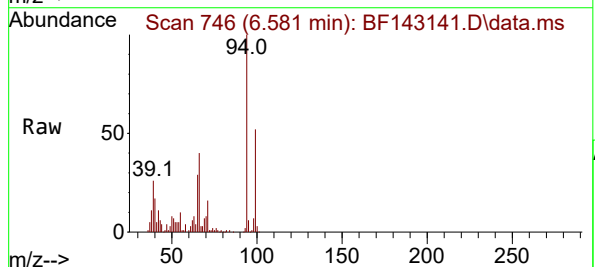
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

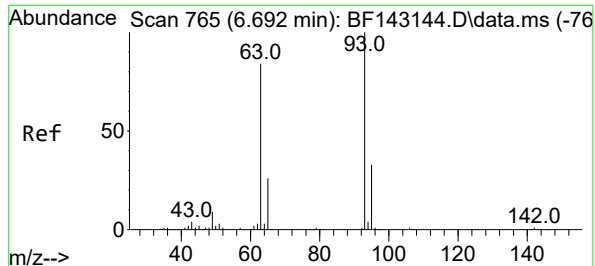
Tgt Ion:128 Resp: 45203
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 57.5 35.9 75.9



#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 94 Resp: 61148
Ion Ratio Lower Upper
94 100
65 29.4 10.0 50.0
66 39.8 20.8 60.8

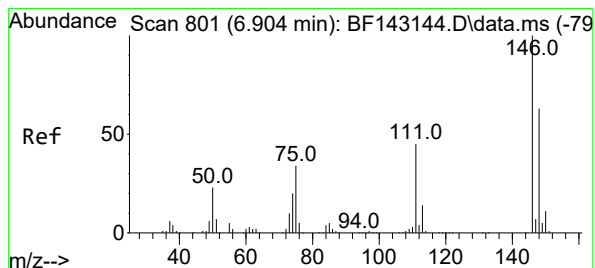
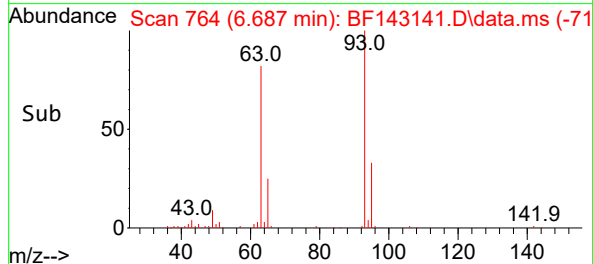
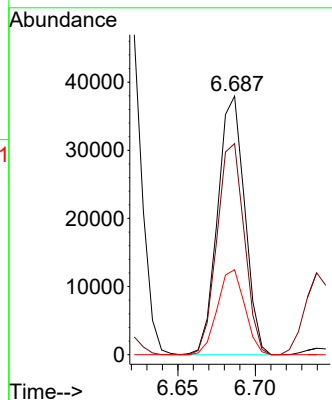
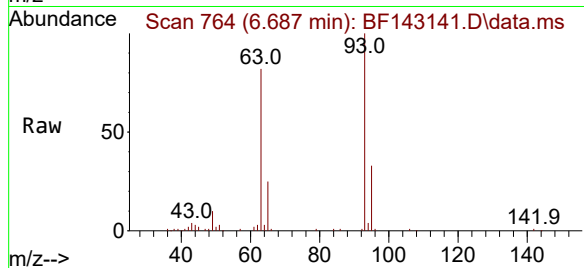




#11
bis(2-Chloroethyl)ether
Concen: 5.345 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

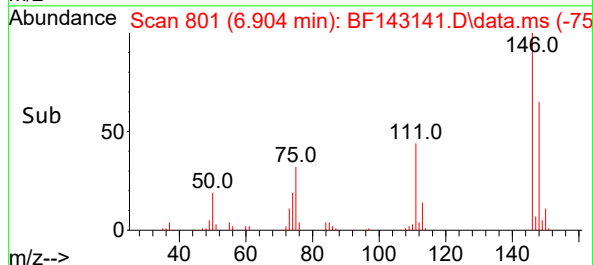
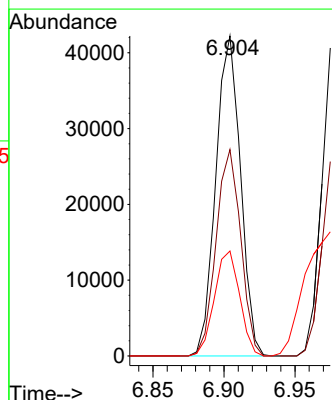
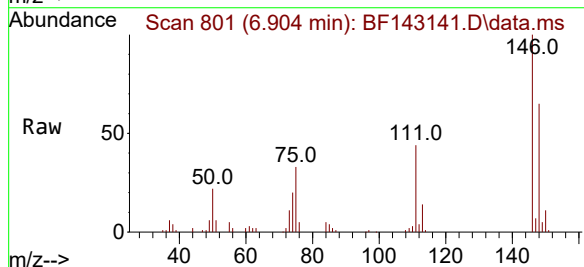
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

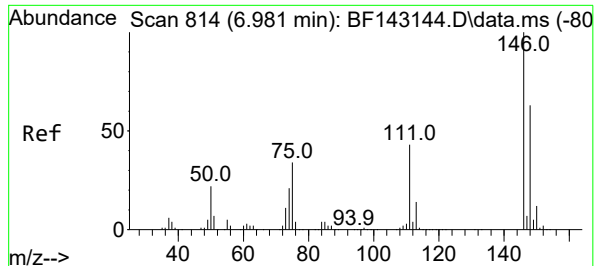
Tgt Ion: 93 Resp: 46083
Ion Ratio Lower Upper
93 100
63 81.6 63.4 103.4
95 32.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 146 Resp: 51056
Ion Ratio Lower Upper
146 100
148 64.5 50.6 76.0
75 32.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 5.526 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

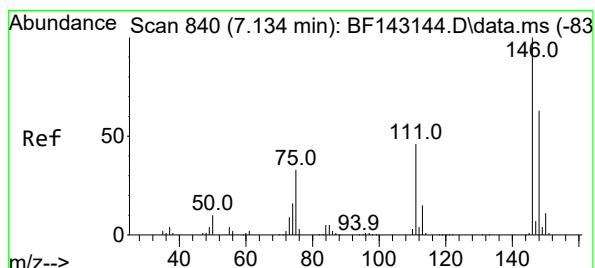
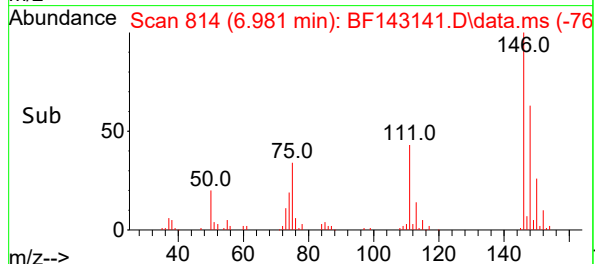
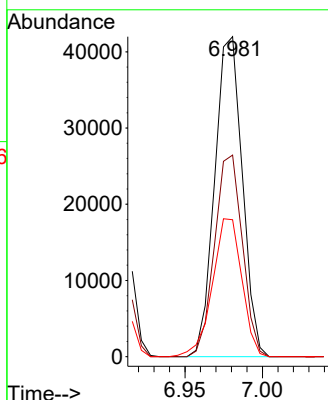
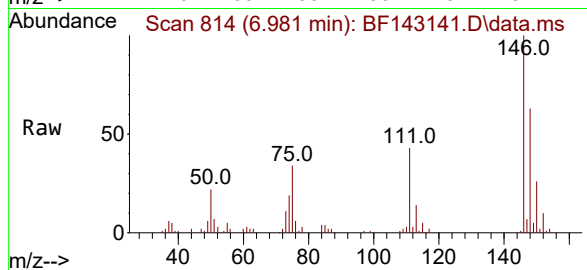
Tgt Ion:146 Resp: 52031

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

111 42.8 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 5.474 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

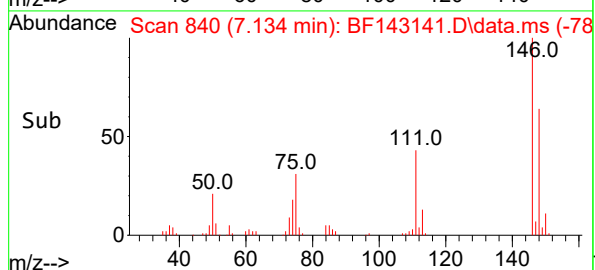
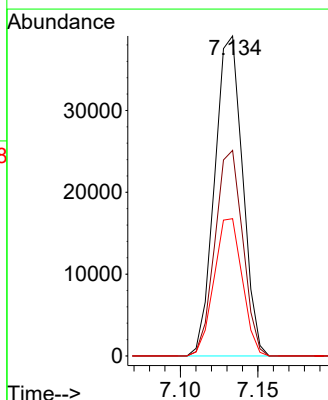
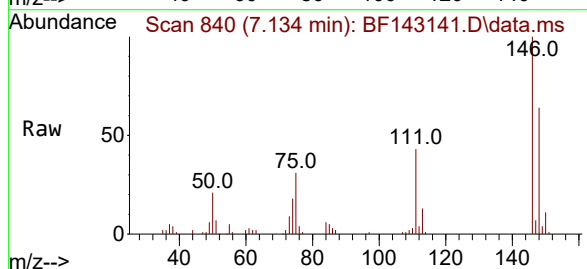
Tgt Ion:146 Resp: 49028

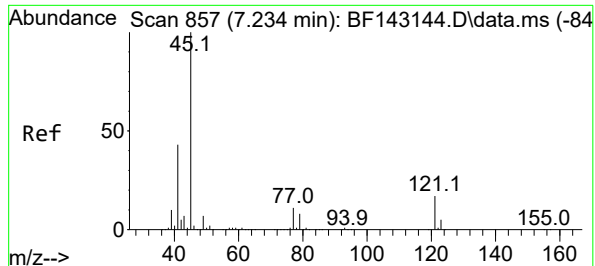
Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

111 42.9 36.6 54.8

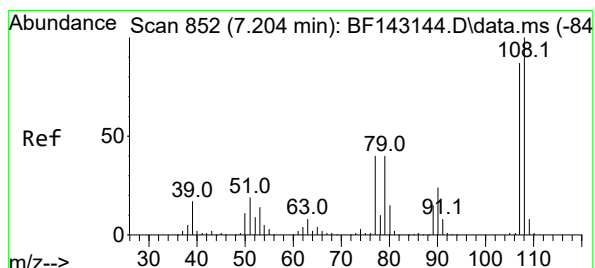
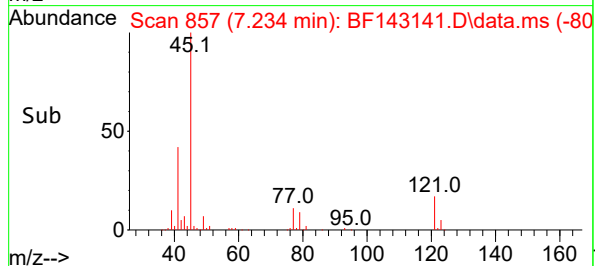
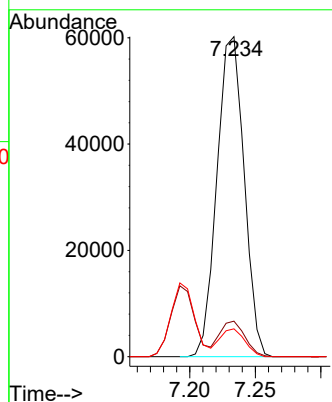
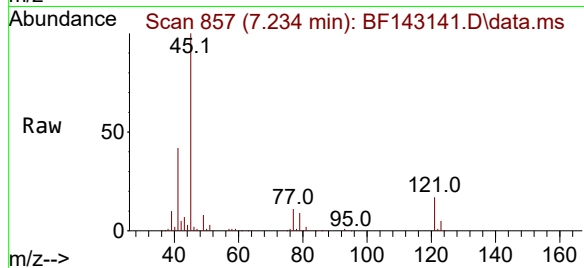




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

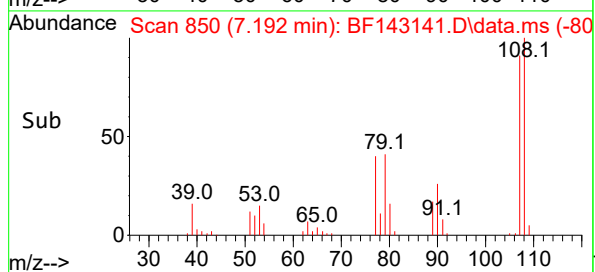
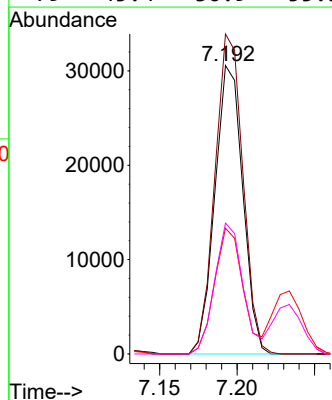
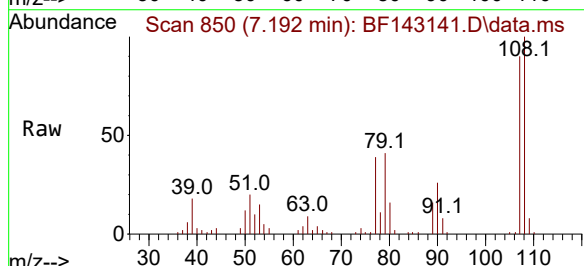
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

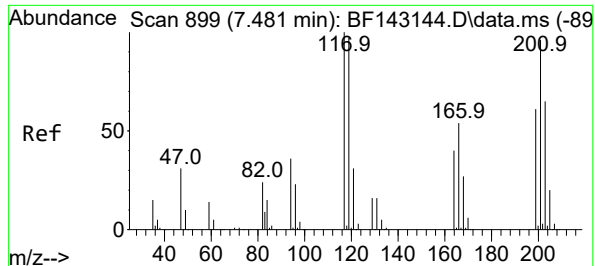
Tgt Ion:	45	Resp:	86727
Ion Ratio	Lower	Upper	
45	100		
77	11.1	0.0	31.2
79	8.7	0.0	28.5



#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:	107	Resp:	38278
Ion Ratio	Lower	Upper	
107	100		
108	110.9	91.8	137.6
77	43.6	37.0	55.6
79	45.4	36.9	55.3





#18

Hexachloroethane

Concen: 5.198 ng

RT: 7.481 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

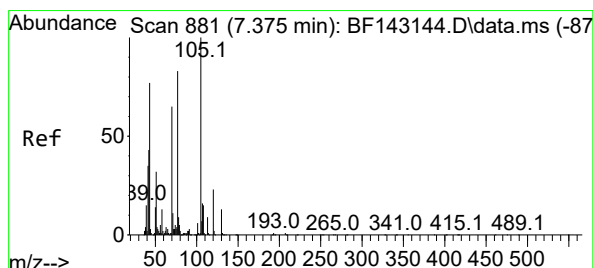
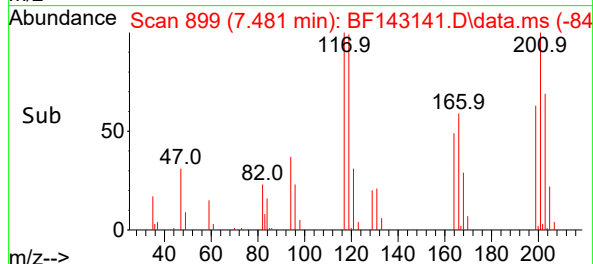
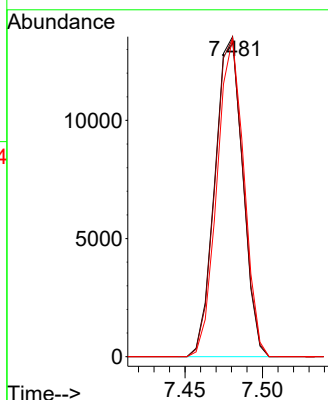
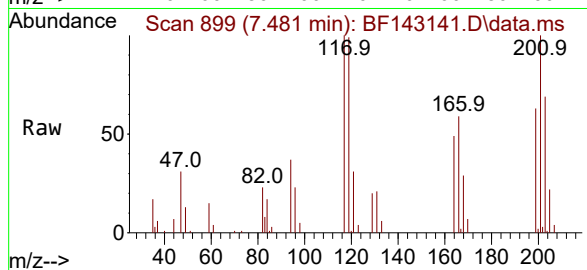
Tgt Ion:117 Resp: 16944

Ion Ratio Lower Upper

117 100

119 99.4 77.8 116.8

201 99.6 77.0 115.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.445 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion: 70 Resp: 36103

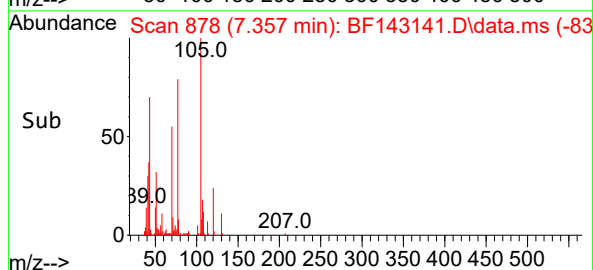
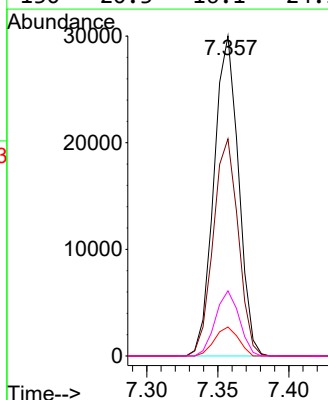
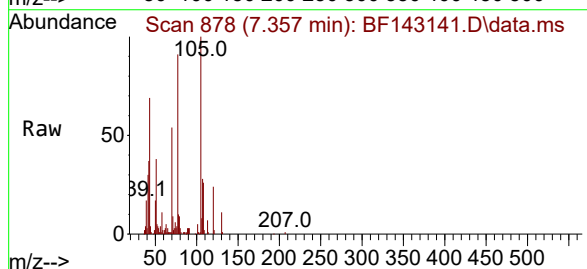
Ion Ratio Lower Upper

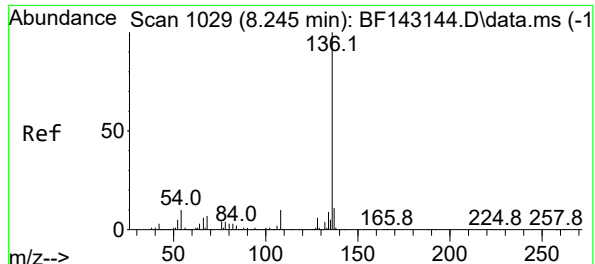
70 100

42 67.8 52.5 78.7

101 9.0 7.6 11.4

130 20.3 16.1 24.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 504796

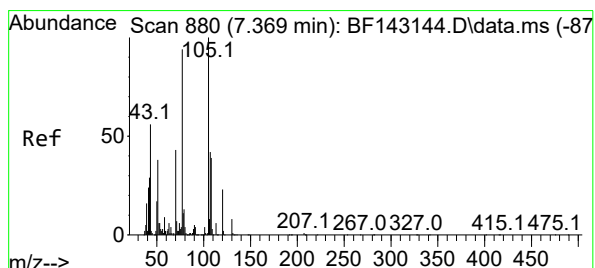
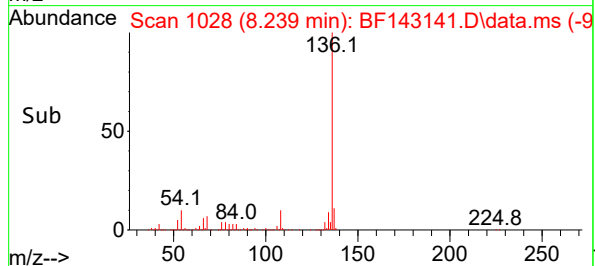
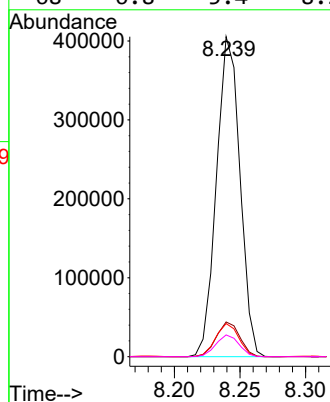
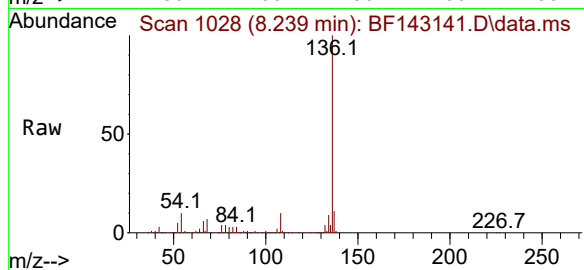
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.3 8.2 12.2

68 6.8 5.4 8.2



#22

Acetophenone

Concen: 5.569 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:105 Resp: 66559

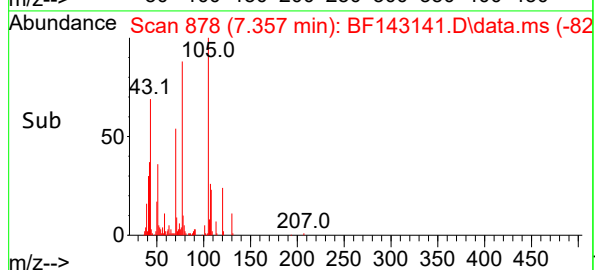
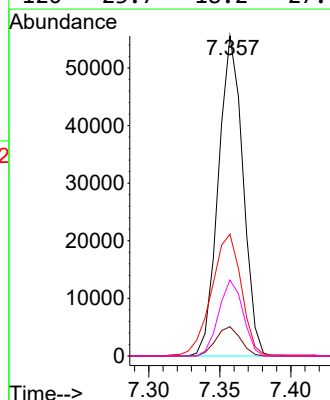
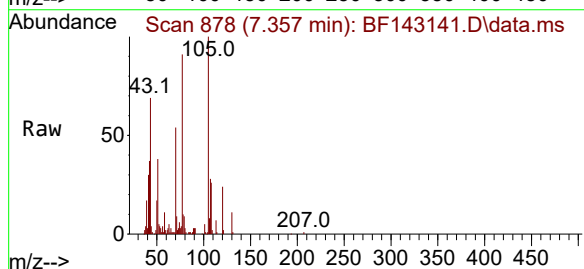
Ion Ratio Lower Upper

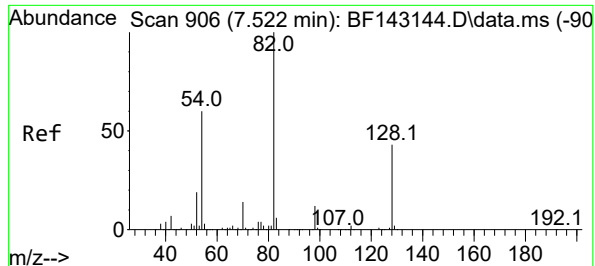
105 100

71 9.1 5.8 8.6#

51 38.1 30.2 45.2

120 23.7 18.2 27.4





#23

Nitrobenzene-d5

Concen: 10.146 ng m

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

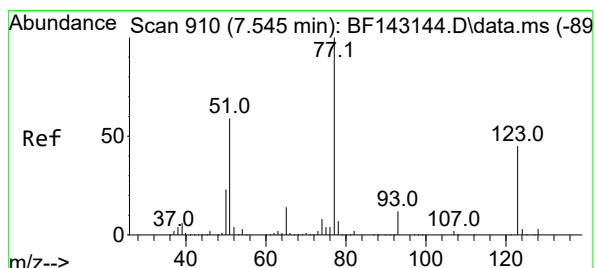
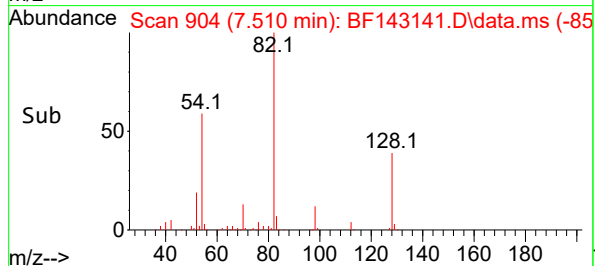
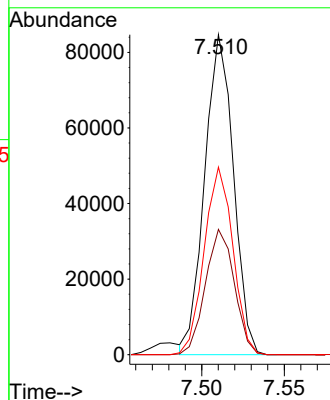
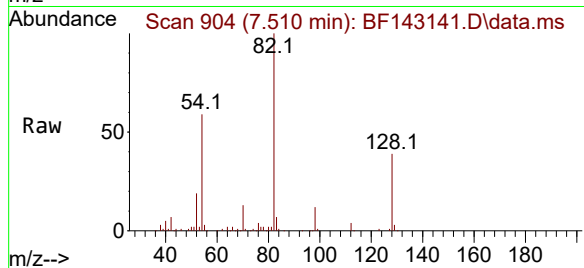
Tgt Ion: 82 Resp: 102749

Ion Ratio Lower Upper

82 100

128 39.1 33.6 50.4

54 58.6 47.1 70.7



#24

Nitrobenzene

Concen: 5.074 ng

RT: 7.528 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

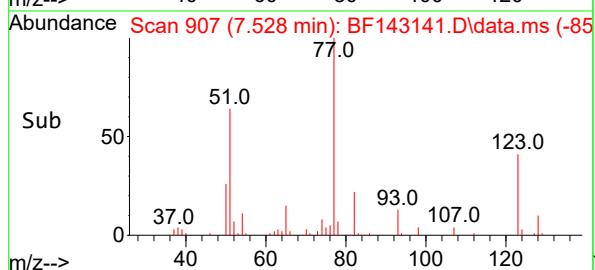
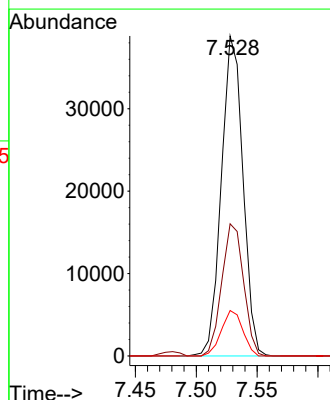
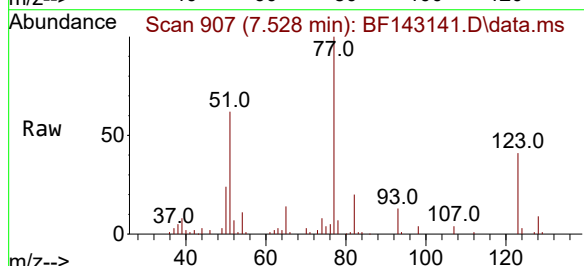
Tgt Ion: 77 Resp: 47902

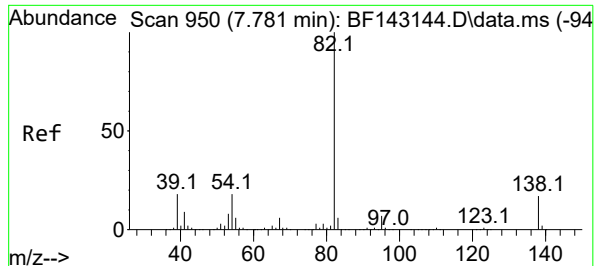
Ion Ratio Lower Upper

77 100

123 41.3 36.1 54.1

65 14.2 11.4 17.2





#25

Isophorone

Concen: 5.279 ng

RT: 7.769 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

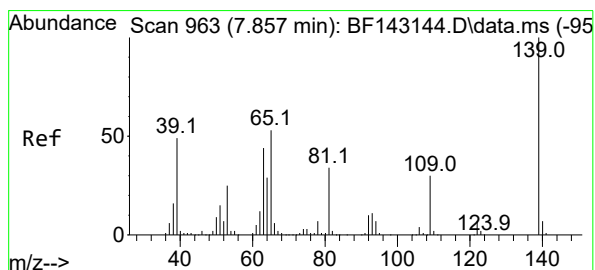
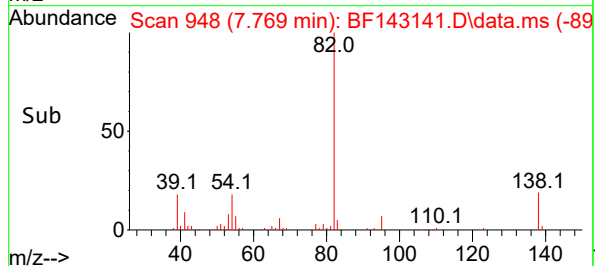
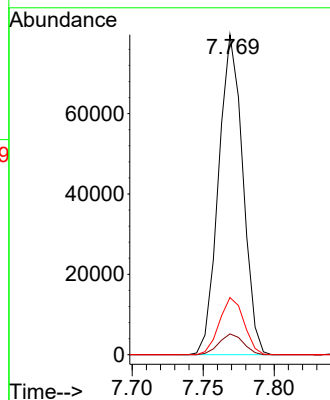
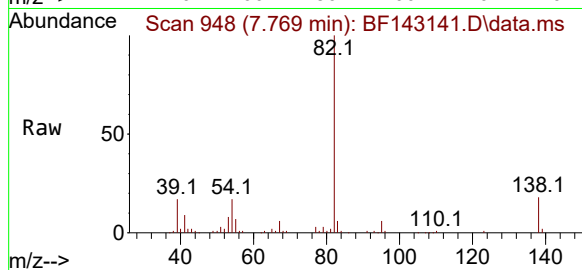
Tgt Ion: 82 Resp: 94372

Ion Ratio Lower Upper

82 100

95 6.5 5.5 8.3

138 17.8 13.8 20.8



#26

2-Nitrophenol

Concen: 4.107 ng

RT: 7.851 min Scan# 962

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

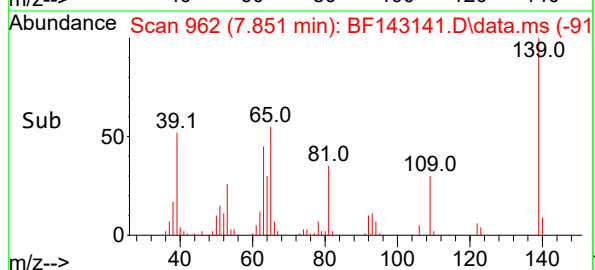
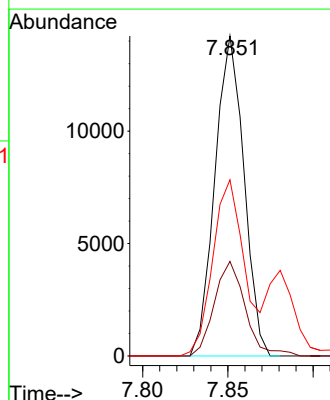
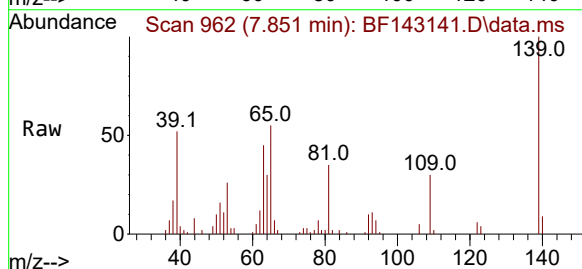
Tgt Ion:139 Resp: 16827

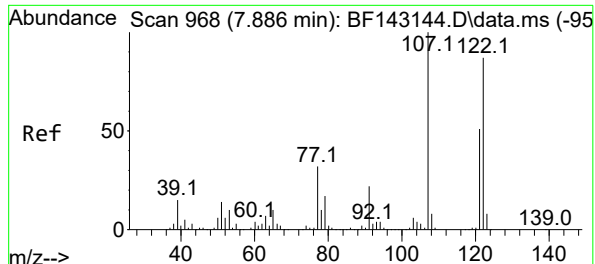
Ion Ratio Lower Upper

139 100

109 29.5 23.6 35.4

65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 5.382 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

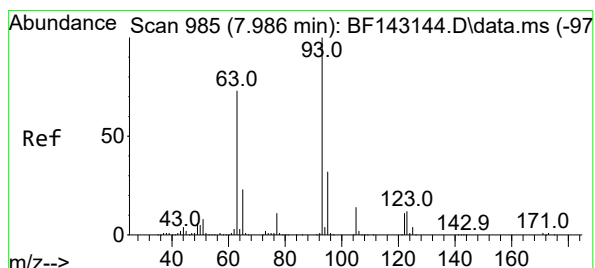
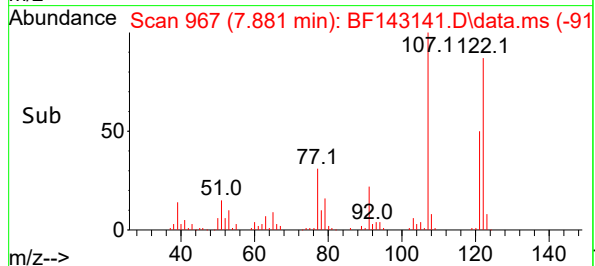
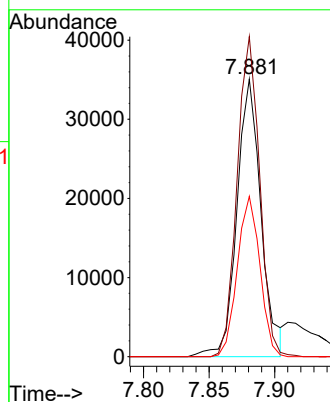
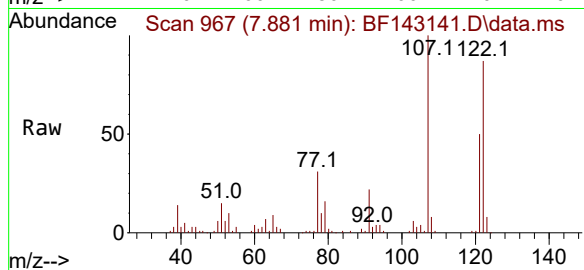
Tgt Ion:122 Resp: 44954

Ion Ratio Lower Upper

122 100

107 115.3 91.8 137.6

121 57.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 5.455 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

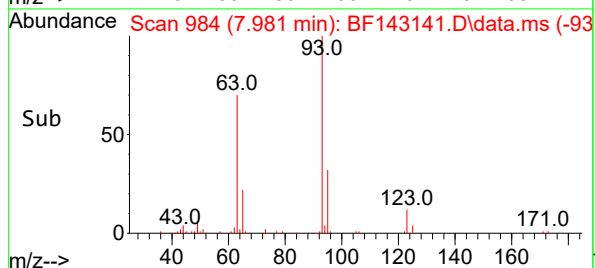
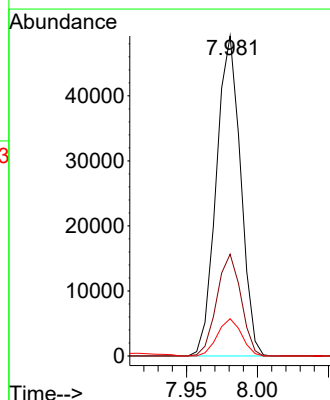
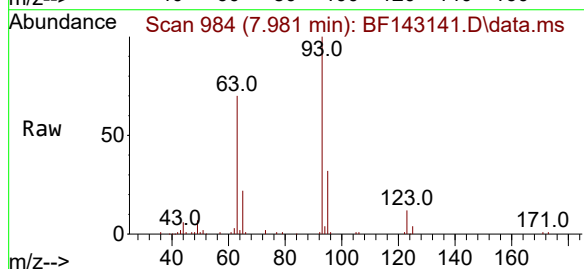
Tgt Ion: 93 Resp: 58465

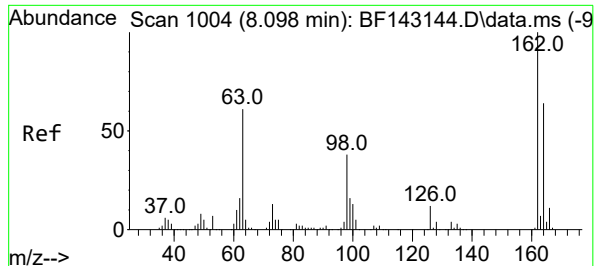
Ion Ratio Lower Upper

93 100

95 31.8 25.8 38.6

123 11.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 5.236 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

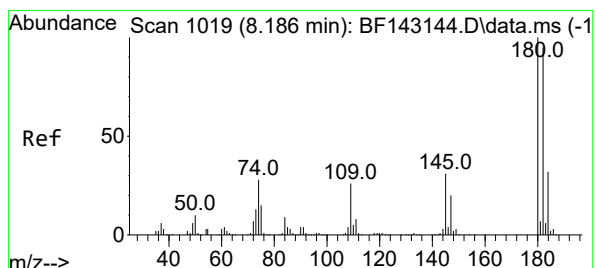
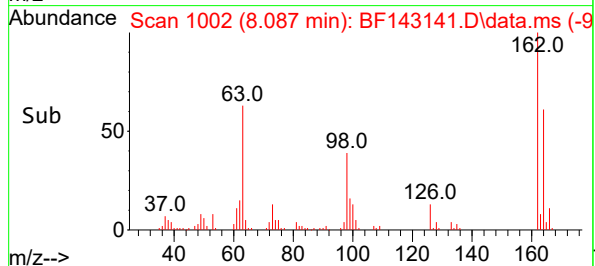
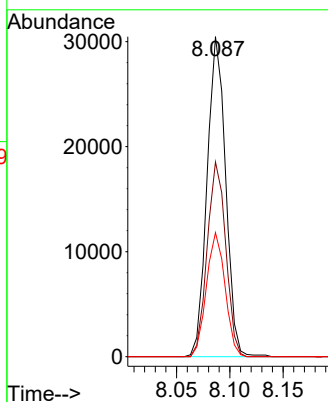
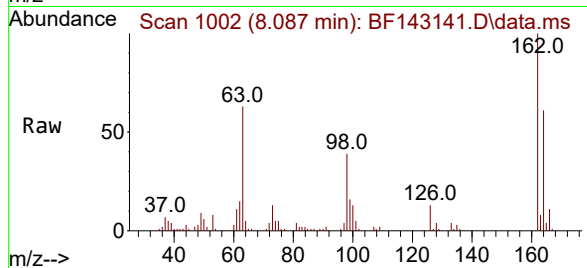
Tgt Ion:162 Resp: 36884

Ion Ratio Lower Upper

162 100

164 60.8 44.2 84.2

98 38.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 5.460 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

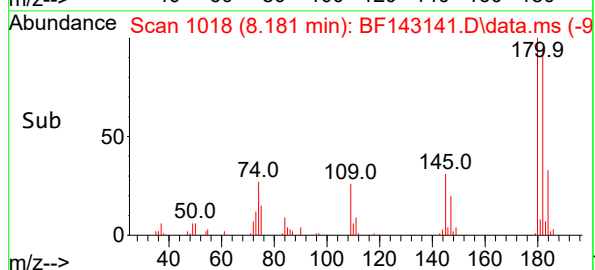
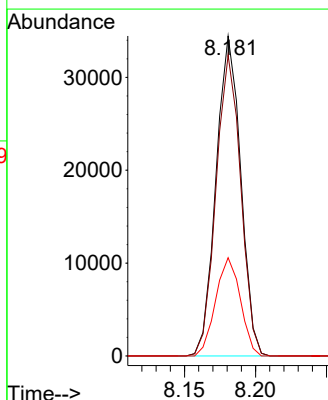
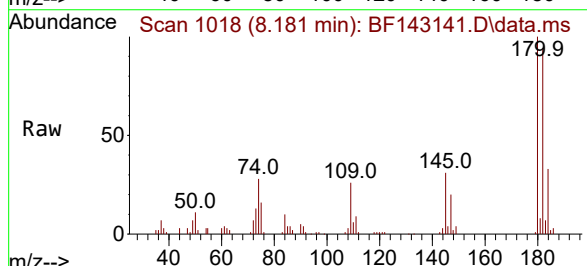
Tgt Ion:180 Resp: 41552

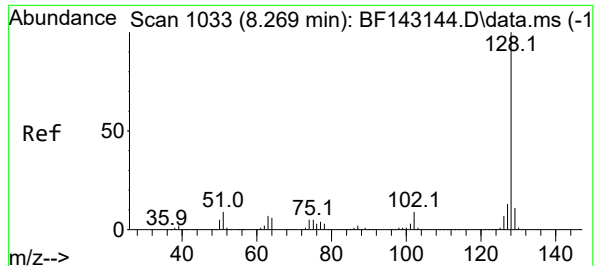
Ion Ratio Lower Upper

180 100

182 94.0 76.2 114.2

145 30.7 25.0 37.6





#31

Naphthalene

Concen: 5.676 ng

RT: 8.263 min Scan# 1032

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

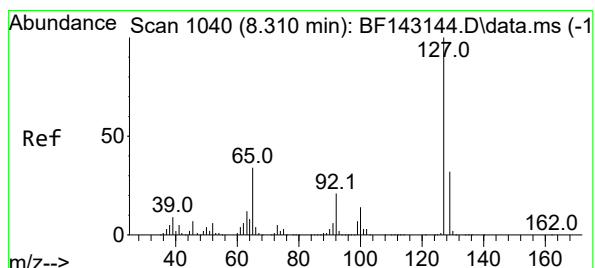
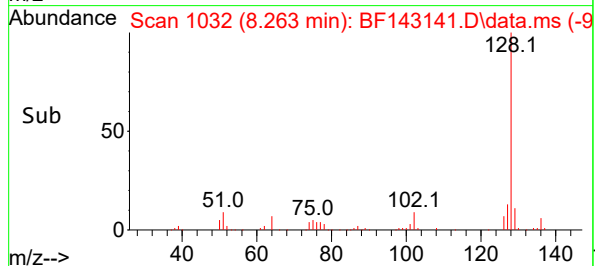
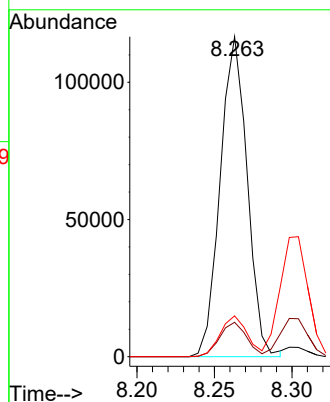
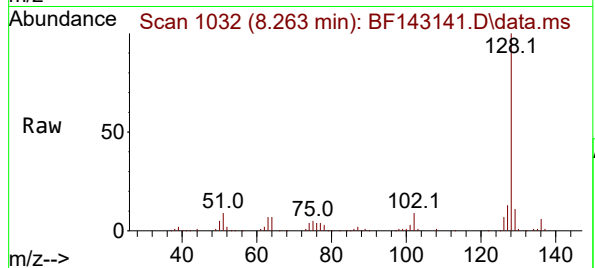
Tgt Ion:128 Resp: 141099

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 12.7 10.6 16.0



#33

4-Chloroaniline

Concen: 5.431 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:127 Resp: 55130

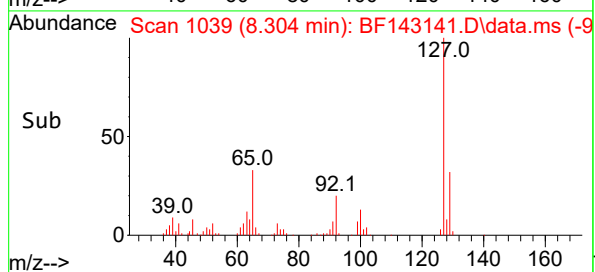
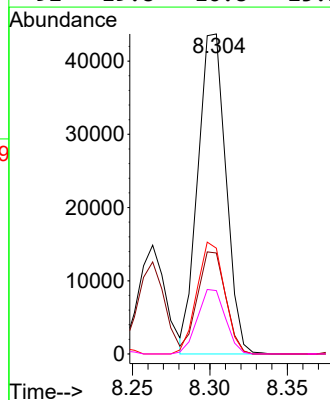
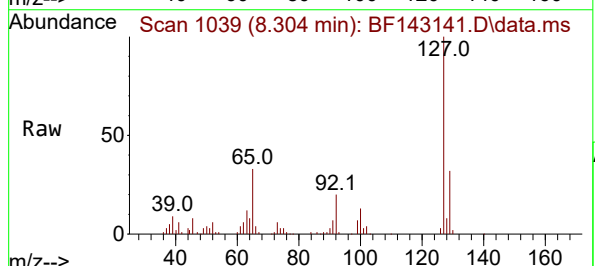
Ion Ratio Lower Upper

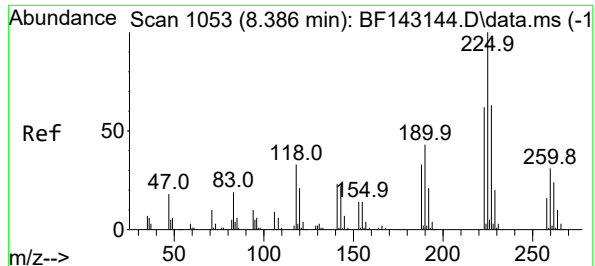
127 100

129 31.6 26.0 39.0

65 33.0 27.4 41.2

92 19.8 16.8 25.2





#34

Hexachlorobutadiene

Concen: 5.232 ng

RT: 8.386 min Scan# 1118

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

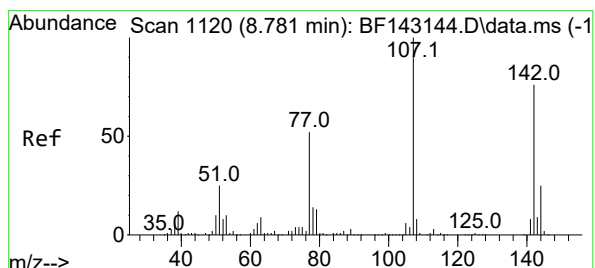
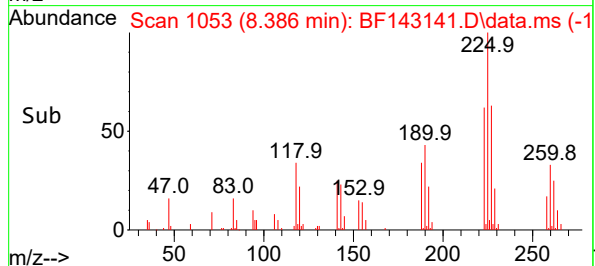
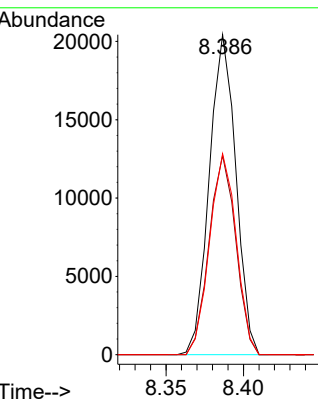
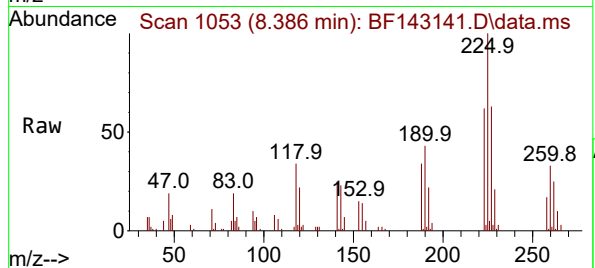
Tgt Ion:225 Resp: 24322

Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.6

227 62.8 50.2 75.4



#36

4-Chloro-3-methylphenol

Concen: 5.251 ng

RT: 8.769 min Scan# 1118

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

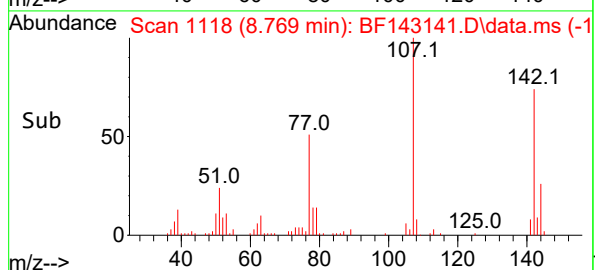
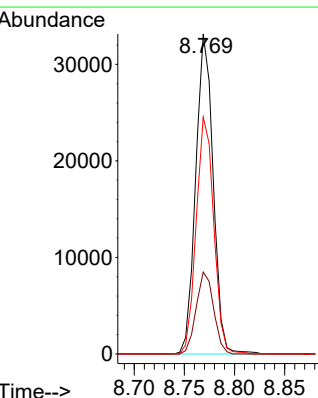
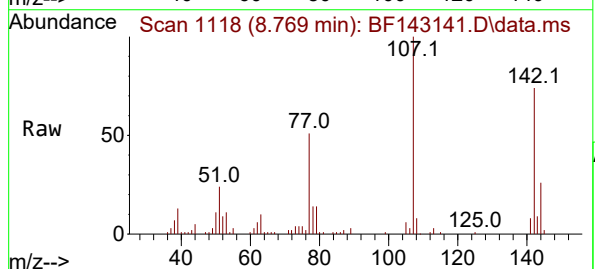
Tgt Ion:107 Resp: 40203

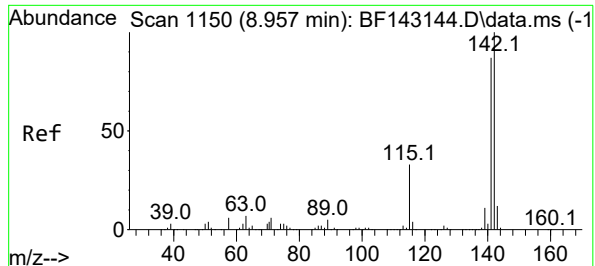
Ion Ratio Lower Upper

107 100

144 25.6 19.8 29.6

142 74.1 60.6 90.8

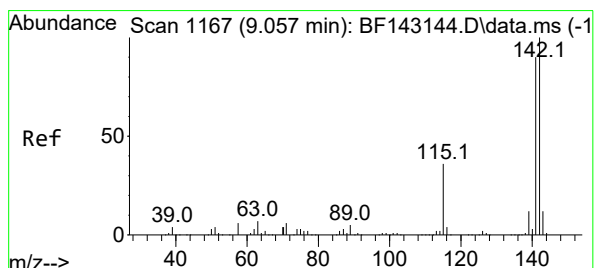
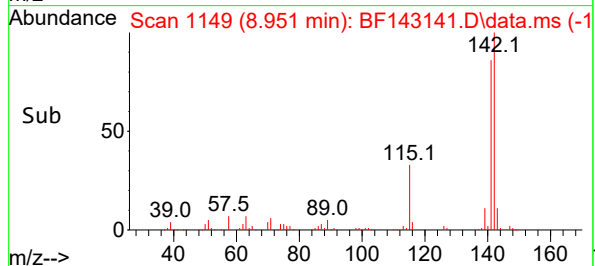
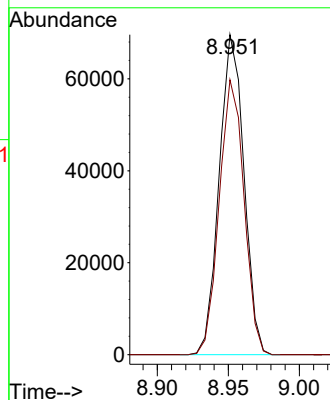
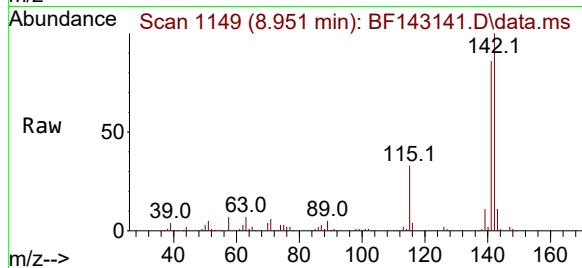




#37
2-Methylnaphthalene
Concen: 5.568 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

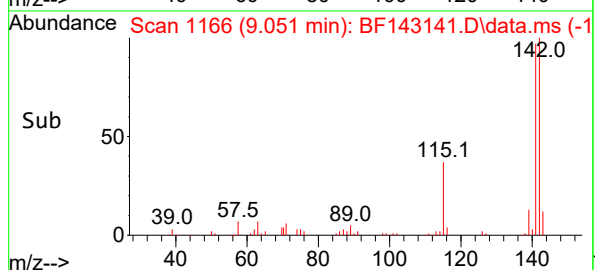
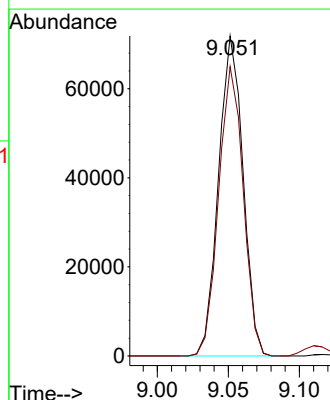
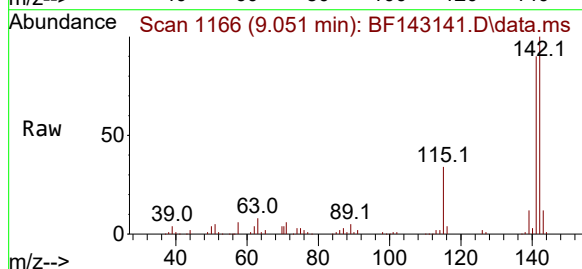
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

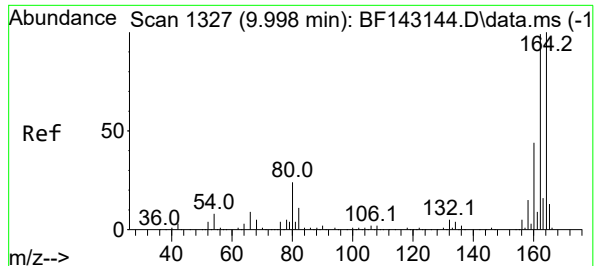
Tgt Ion:142 Resp: 84234
Ion Ratio Lower Upper
142 100
141 85.9 69.9 104.9



#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:142 Resp: 86130
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

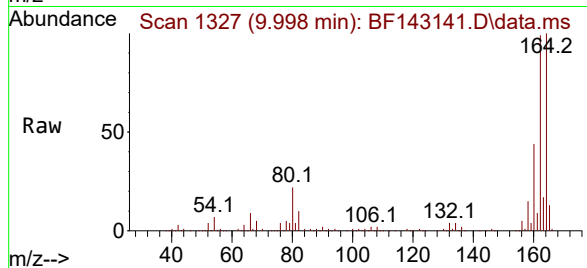
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



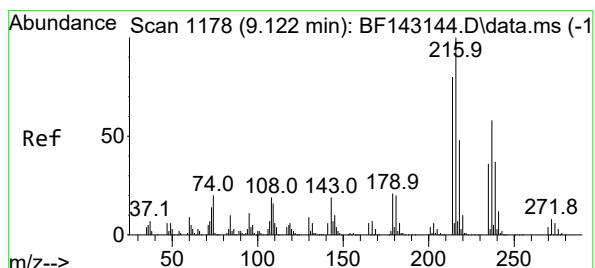
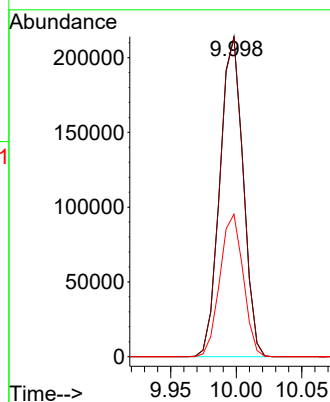
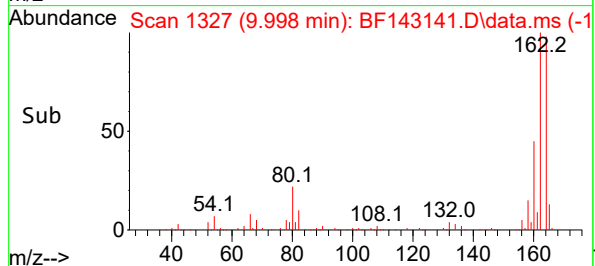
Tgt Ion:164 Resp: 263409

Ion Ratio Lower Upper

164 100

162 99.5 79.0 118.6

160 44.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.523 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:216 Resp: 41999

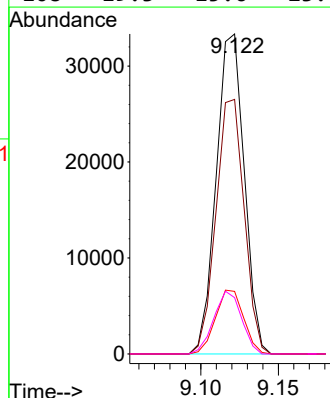
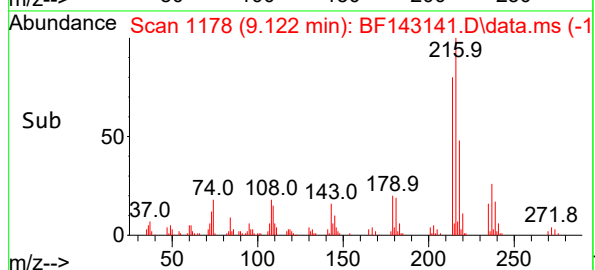
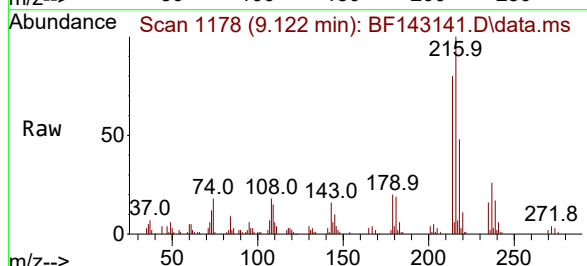
Ion Ratio Lower Upper

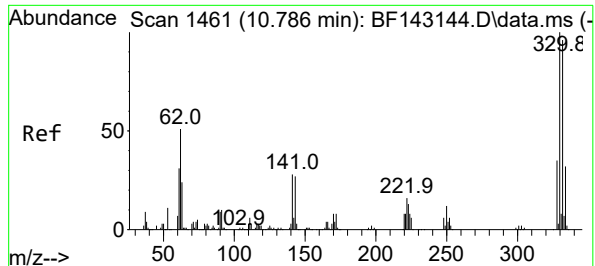
216 100

214 79.9 63.8 95.8

179 20.1 16.4 24.6

108 19.3 15.6 23.4





#42

2,4,6-Tribromophenol

Concen: 9.661 ng

RT: 10.780 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

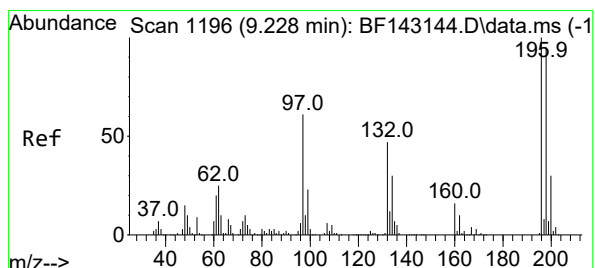
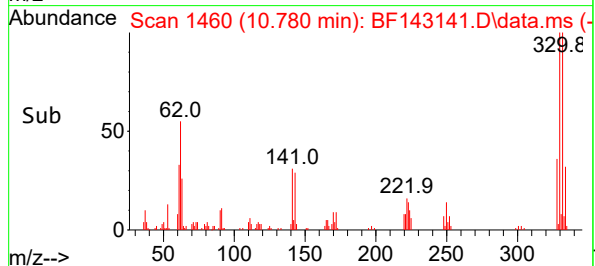
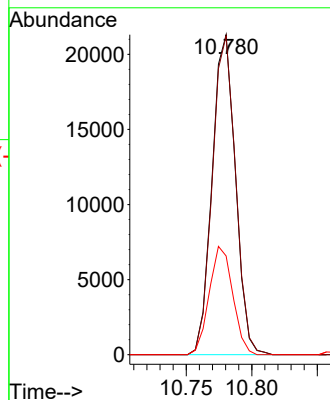
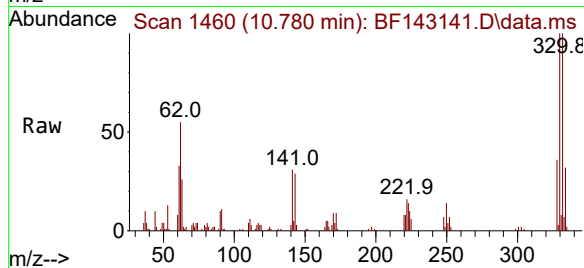
Tgt Ion:330 Resp: 26288

Ion Ratio Lower Upper

330 100

332 99.4 76.7 115.1

141 34.3 23.3 34.9



#43

2,4,6-Trichlorophenol

Concen: 4.889 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

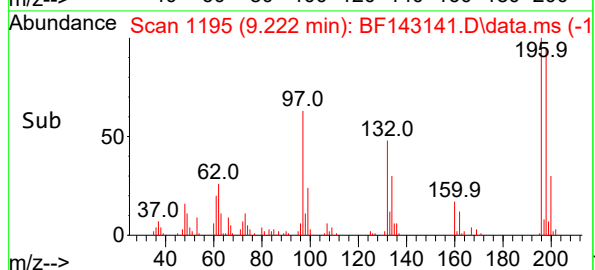
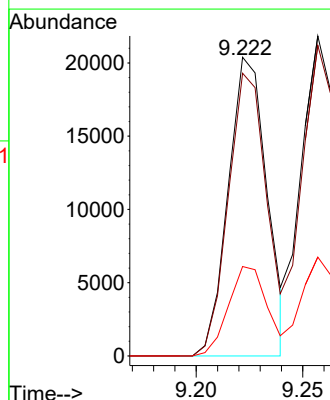
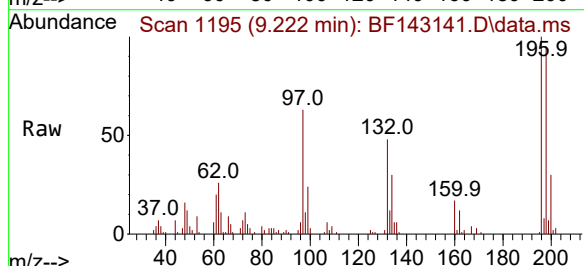
Tgt Ion:196 Resp: 25730

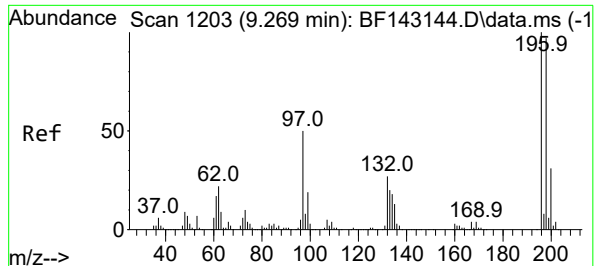
Ion Ratio Lower Upper

196 100

198 94.7 76.2 114.2

200 30.0 23.9 35.9





#44

2,4,5-Trichlorophenol

Concen: 5.057 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143141.D

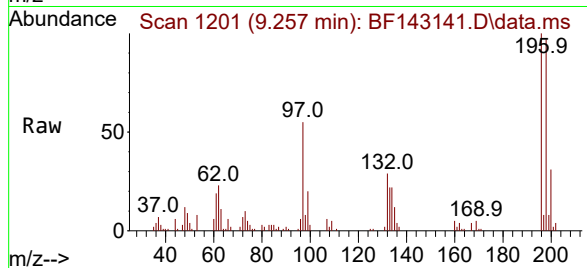
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:196 Resp: 26626

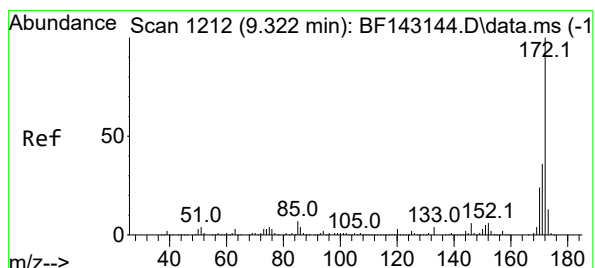
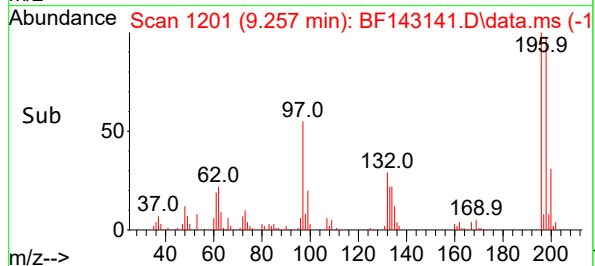
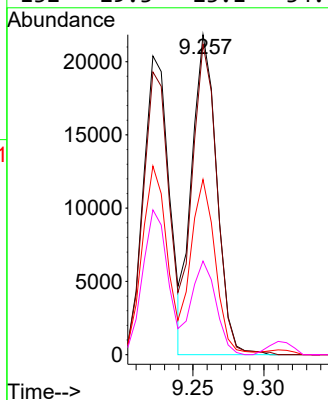
Ion Ratio Lower Upper

196 100

198 97.0 77.3 115.9

97 54.7 40.3 60.5

132 29.3 23.1 34.7



#45

2-Fluorobiphenyl

Concen: 12.043 ng

RT: 9.310 min Scan# 1210

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

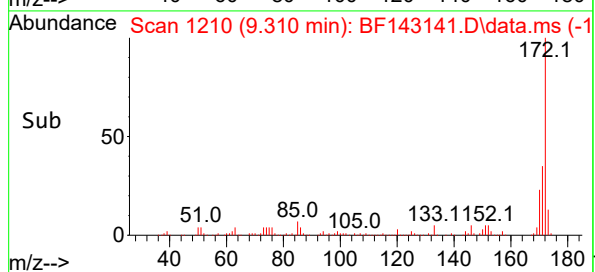
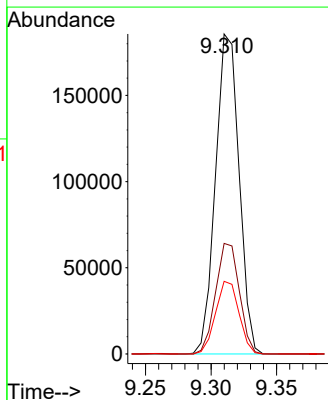
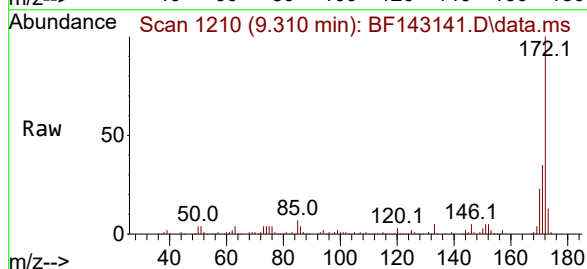
Tgt Ion:172 Resp: 231962

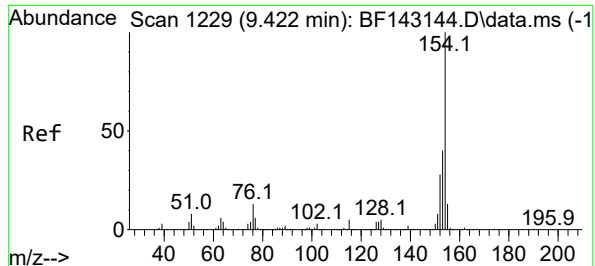
Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 22.7 18.8 28.2

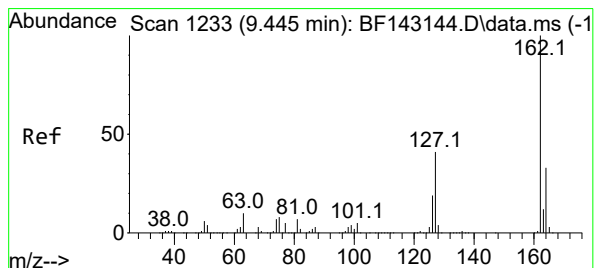
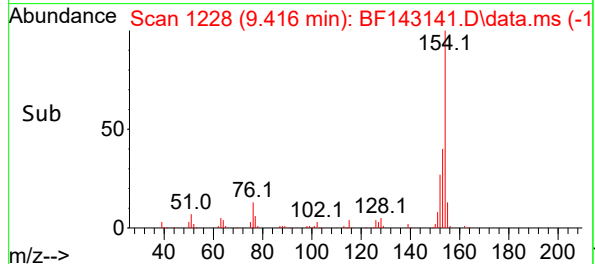
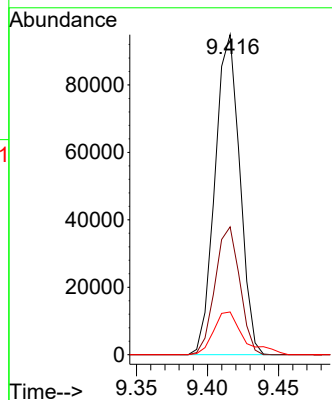
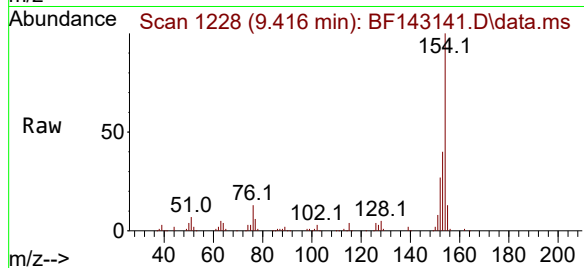




#46
1,1'-Biphenyl
Concen: 5.602 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

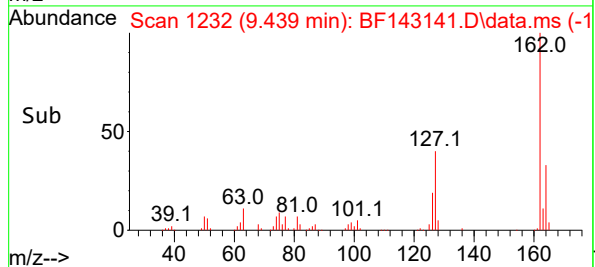
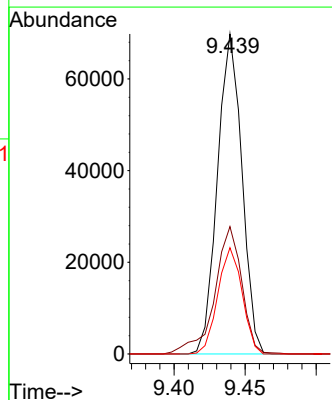
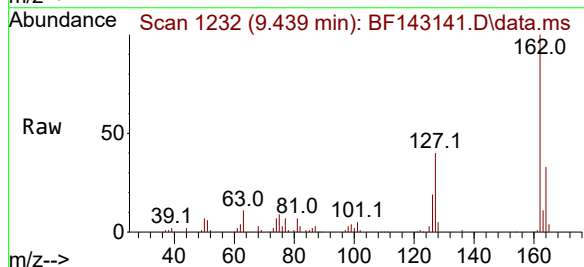
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

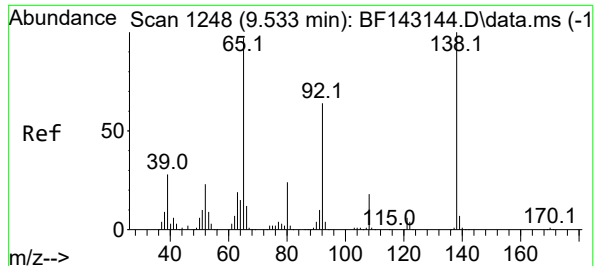
Tgt Ion:154 Resp: 115130
Ion Ratio Lower Upper
154 100
153 40.0 20.3 60.3
76 13.4 0.0 33.3



#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:162 Resp: 83495
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 33.2 26.2 39.2

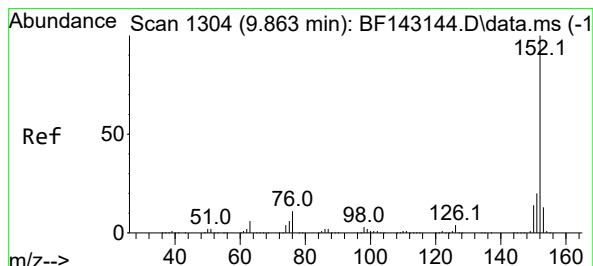
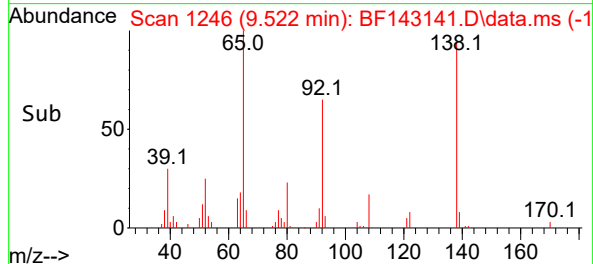
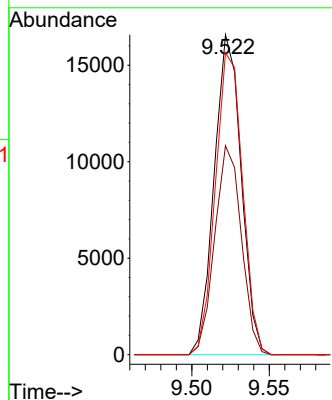
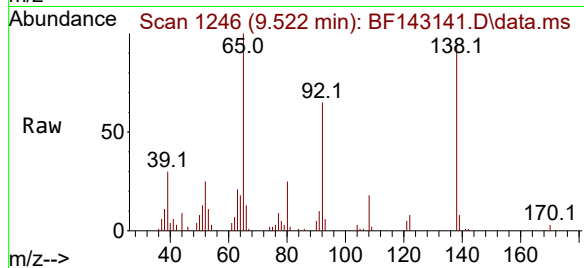




#48
2-Nitroaniline
Concen: 4.210 ng
RT: 9.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

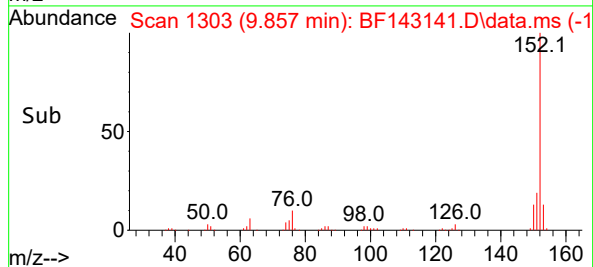
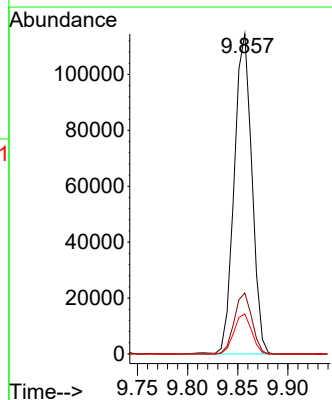
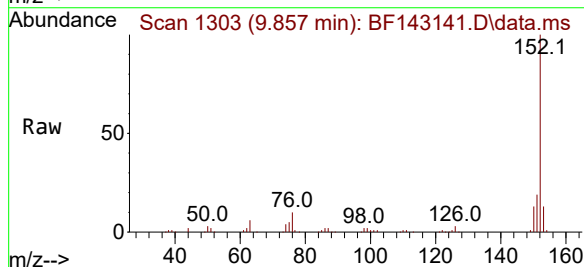
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

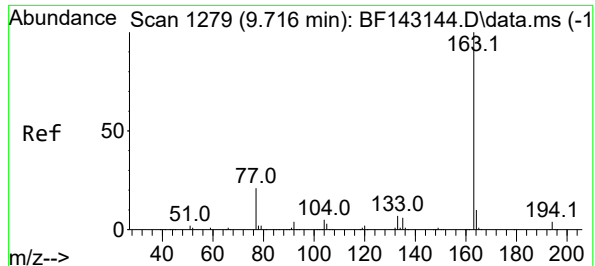
Tgt Ion: 65 Resp: 20076
Ion Ratio Lower Upper
65 100
92 65.3 52.4 78.6
138 94.3 82.3 123.5



#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 152 Resp: 140525
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 12.5 10.6 16.0

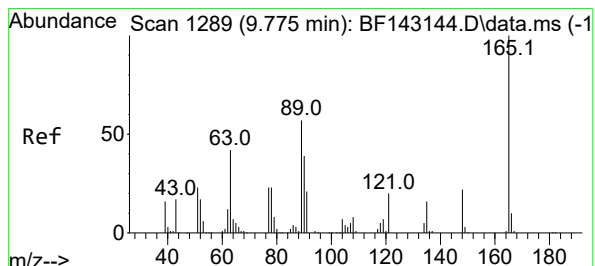
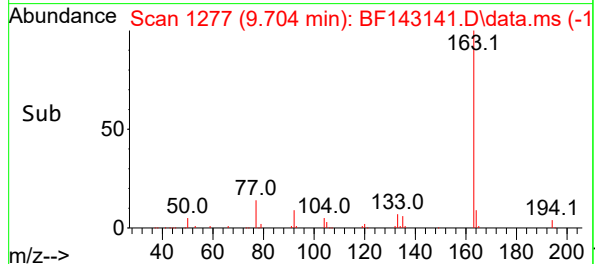
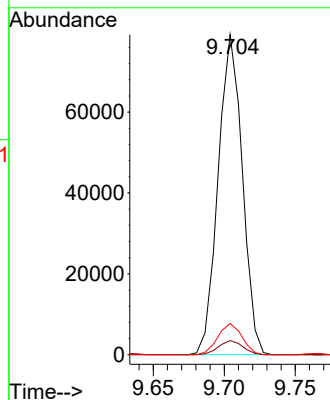
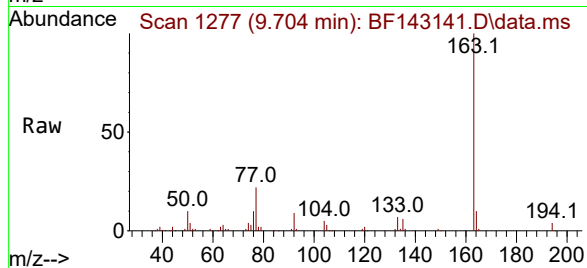




#50
Dimethylphthalate
Concen: 5.452 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

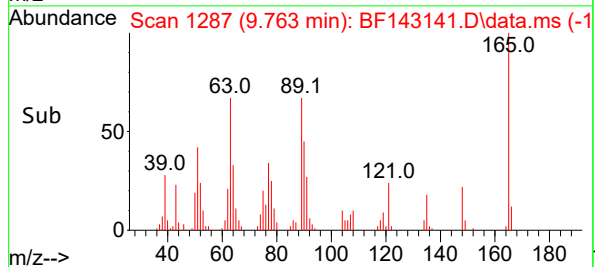
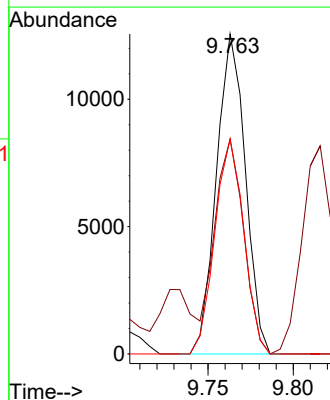
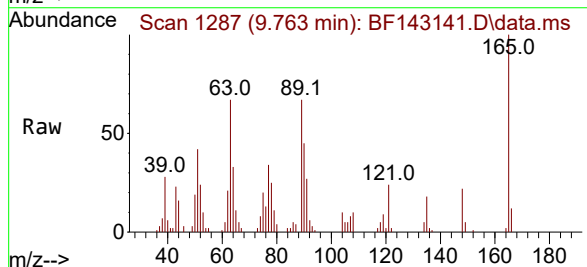
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

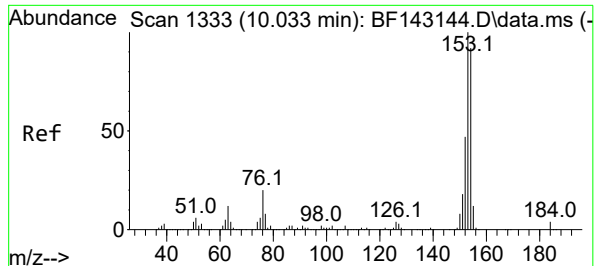
Tgt Ion:163 Resp: 93611
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.8 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 4.234 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:165 Resp: 14787
Ion Ratio Lower Upper
165 100
63 67.1 49.4 74.2
89 67.2 46.2 69.2

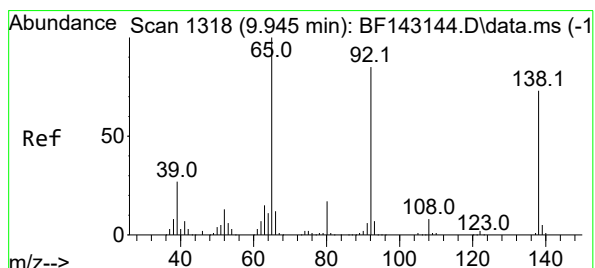
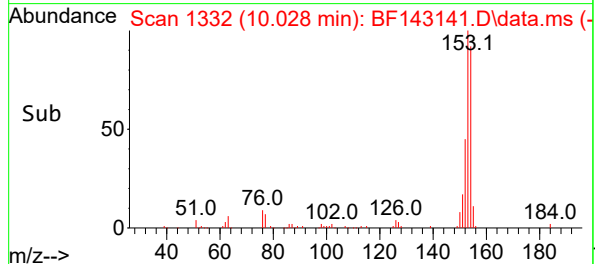
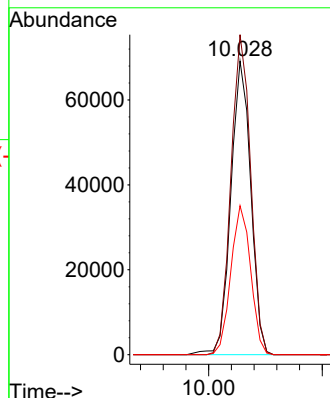
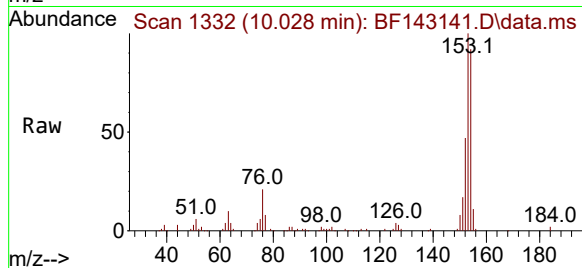




#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

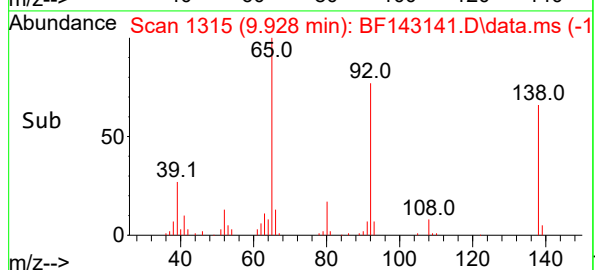
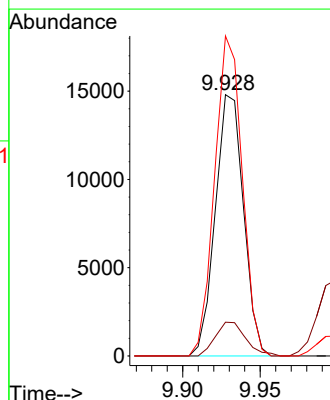
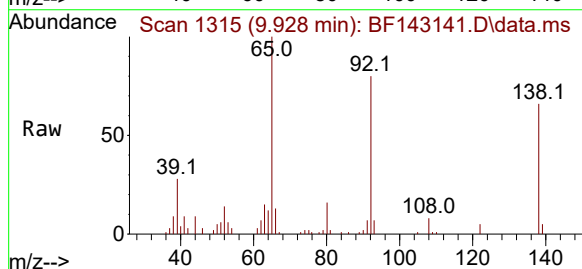
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

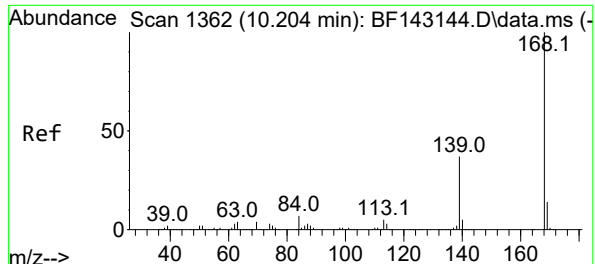
Tgt Ion	Resp	Lower	Upper
154	100		
153	109.0	86.6	129.8
152	50.7	40.4	60.6



#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion	Resp	Lower	Upper
138	100		
108	12.9	9.0	13.6
92	122.5	93.0	139.4





#55

Dibenzenofuran

Concen: 5.681 ng

RT: 10.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

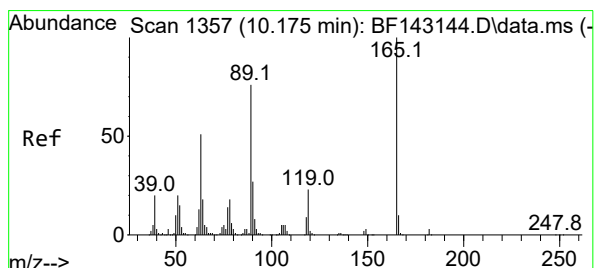
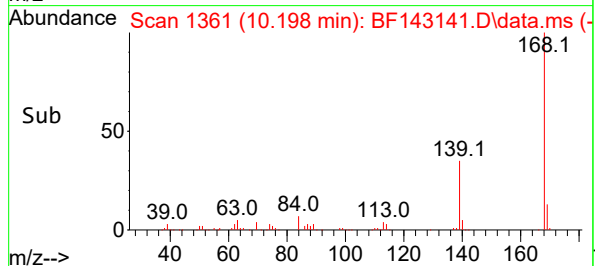
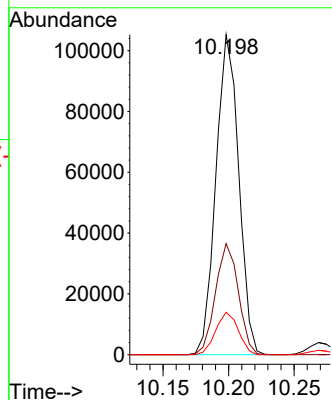
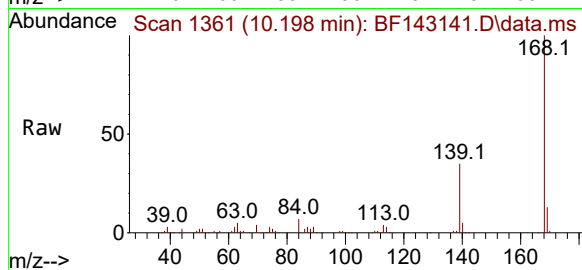
Tgt Ion:168 Resp: 127035

Ion Ratio Lower Upper

168 100

139 34.7 29.5 44.3

169 13.3 10.9 16.3



#57

2,4-Dinitrotoluene

Concen: 4.041 ng

RT: 10.163 min Scan# 1355

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:165 Resp: 17709

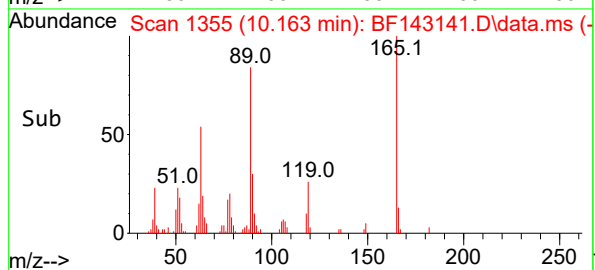
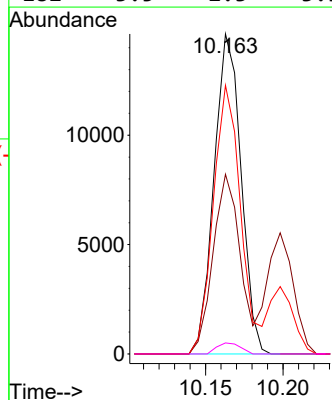
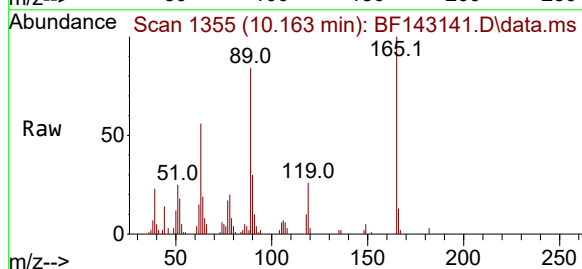
Ion Ratio Lower Upper

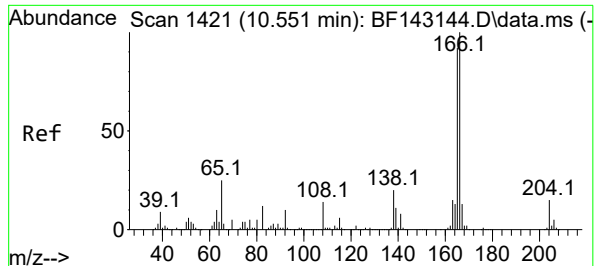
165 100

63 56.1 41.0 61.4

89 83.9 61.1 91.7

182 3.5 2.3 3.5

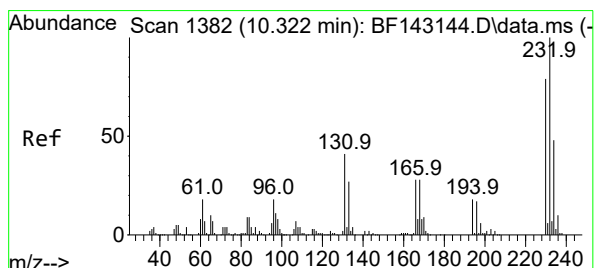
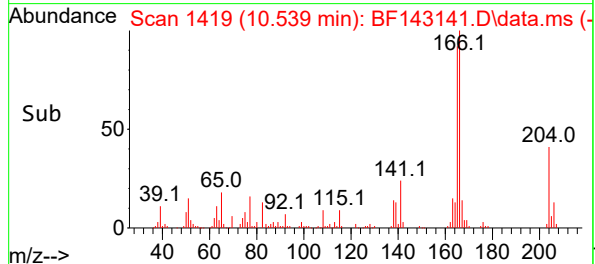
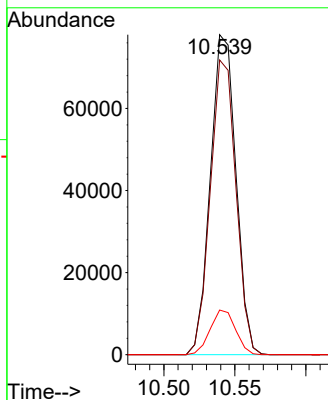
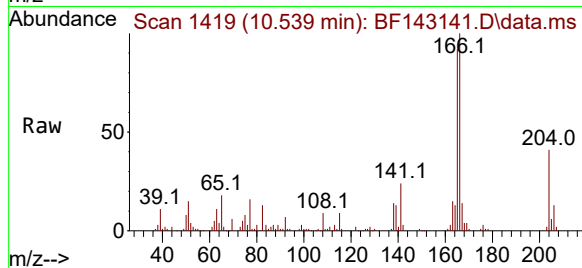




#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

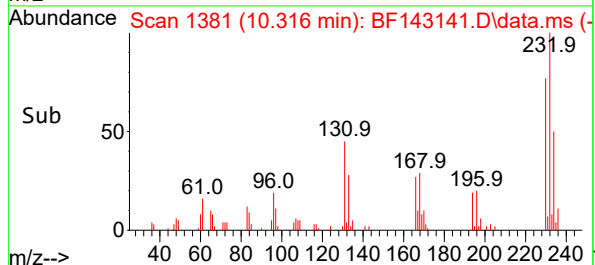
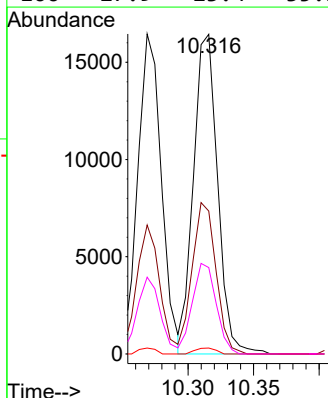
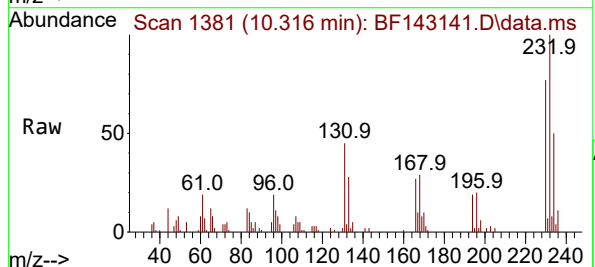
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

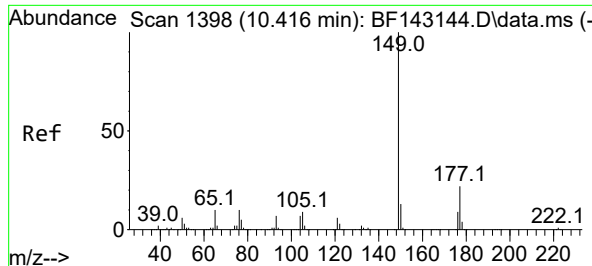
Tgt Ion:166 Resp: 97477
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 14.0 10.6 16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:232 Resp: 21108
Ion Ratio Lower Upper
232 100
131 46.6 35.3 52.9
130 1.6 1.7 2.5#
166 27.9 23.4 35.2

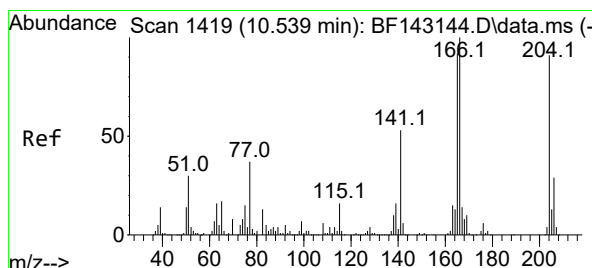
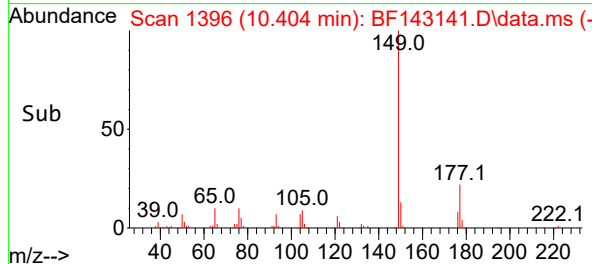
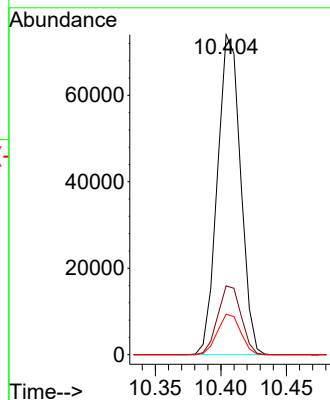
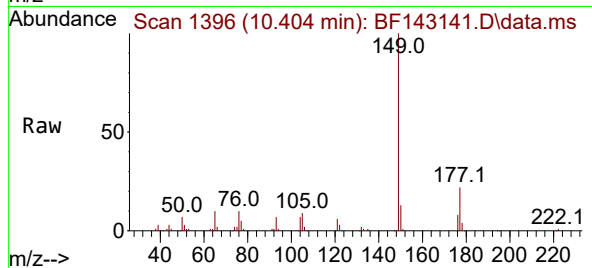




#60
Diethylphthalate
Concen: 5.342 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

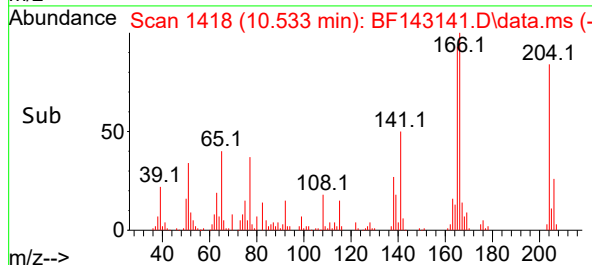
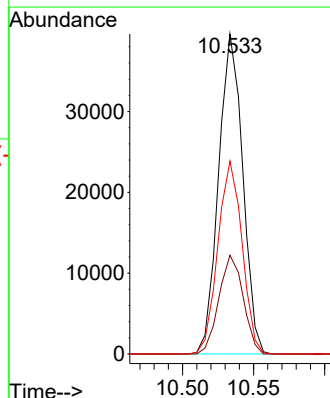
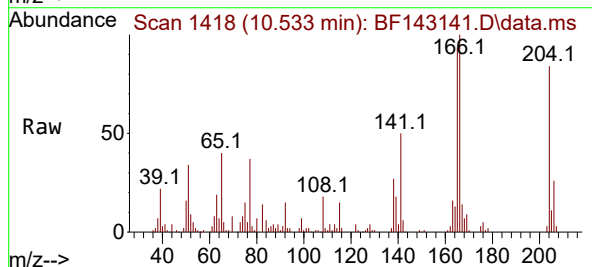
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

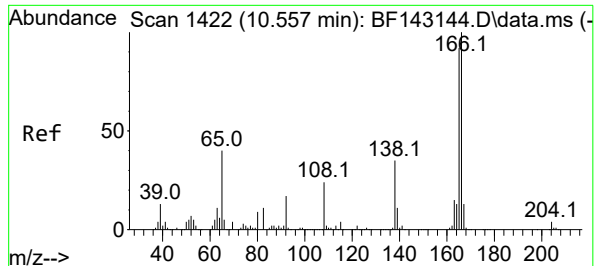
Tgt Ion:149 Resp: 90651
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.7 10.2 15.2



#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

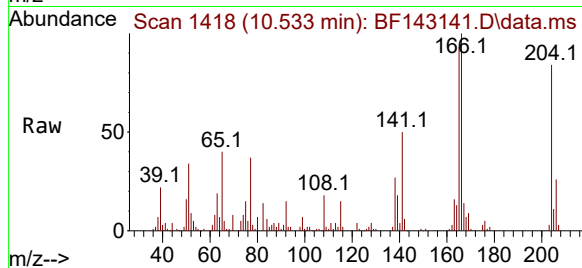
Tgt Ion:204 Resp: 46747
Ion Ratio Lower Upper
204 100
206 30.8 25.8 38.8
141 60.2 47.0 70.4



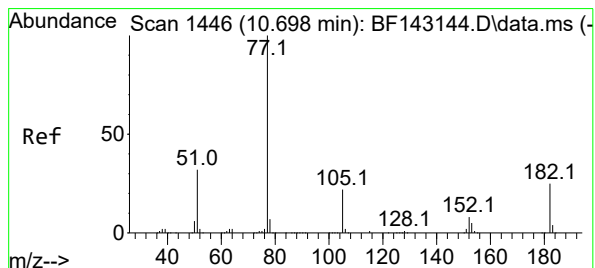
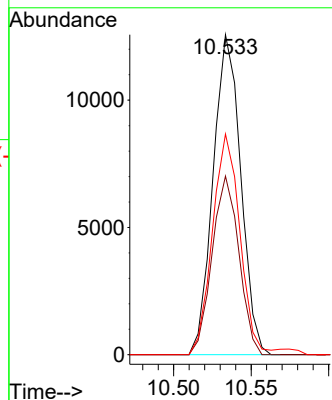
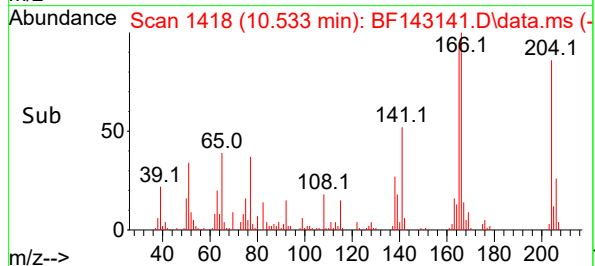


#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

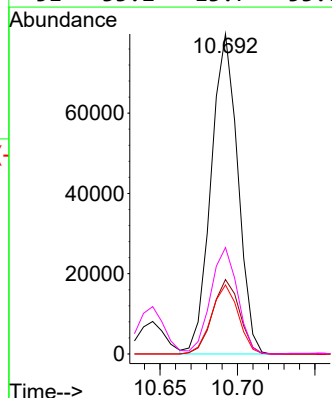
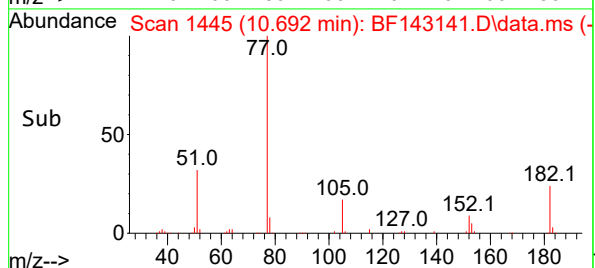
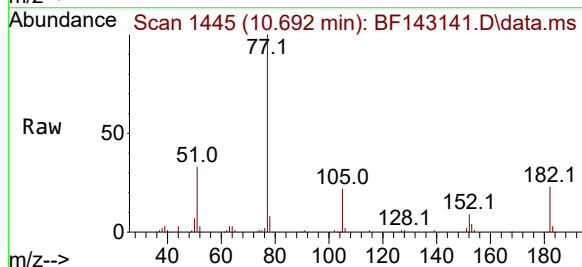


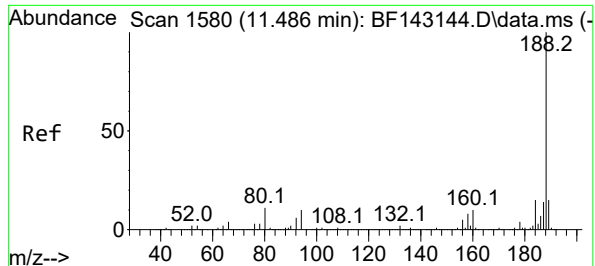
Tgt Ion:138 Resp: 15568
Ion Ratio Lower Upper
138 100
92 55.8 29.3 69.3
108 68.9 48.3 88.3



#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 77 Resp: 95602
Ion Ratio Lower Upper
77 100
182 23.2 4.6 44.6
105 21.5 1.4 41.4
51 33.2 13.7 53.7

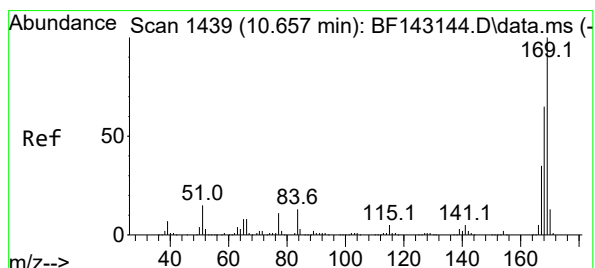
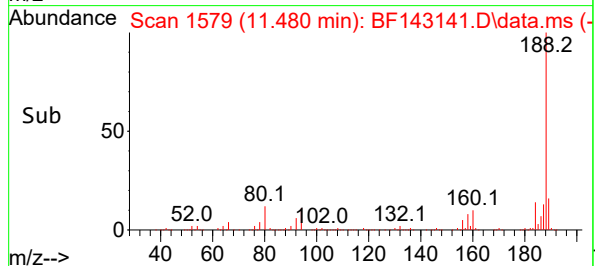
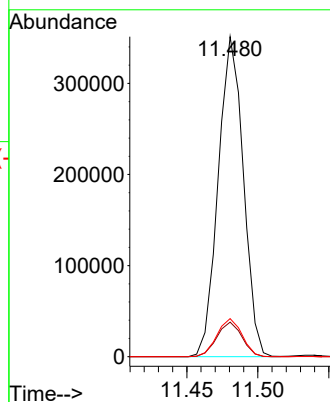
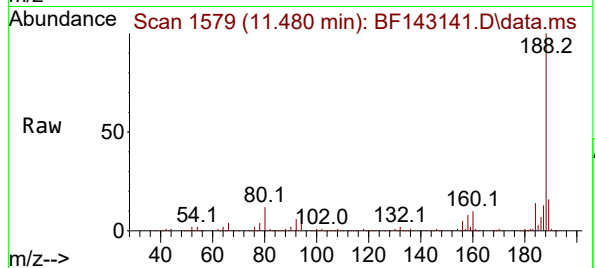




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

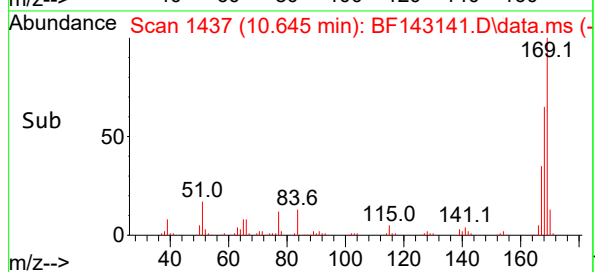
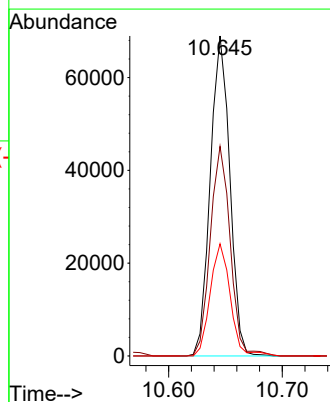
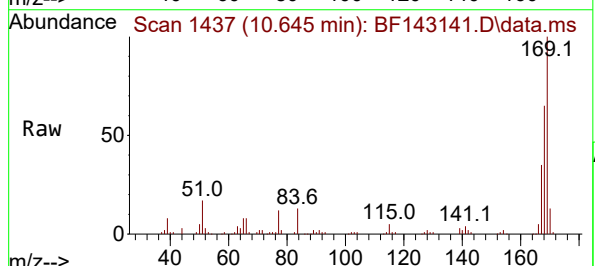
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

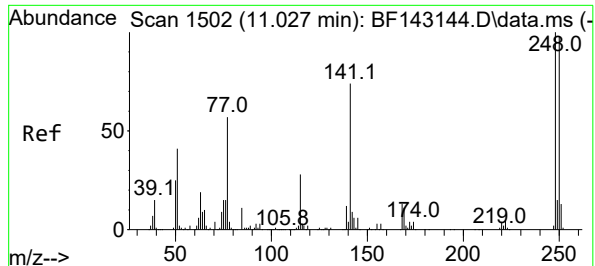
Tgt Ion:188 Resp: 432329
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.9 9.0 13.6



#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:169 Resp: 82281
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.1 28.2 42.2

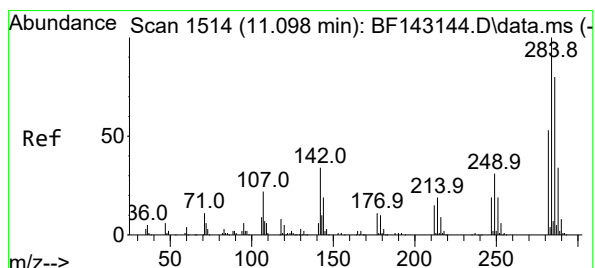
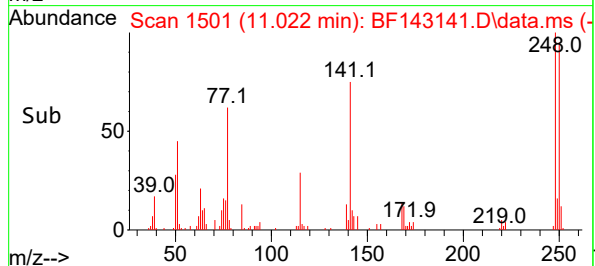
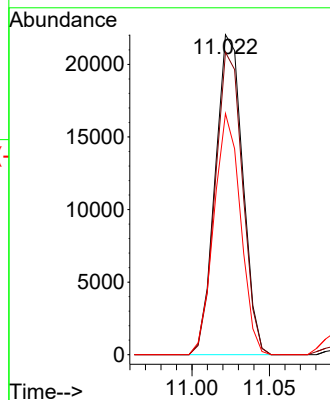
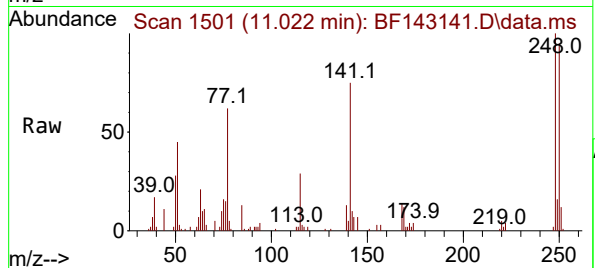




#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

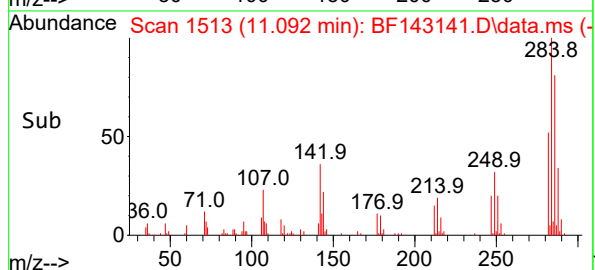
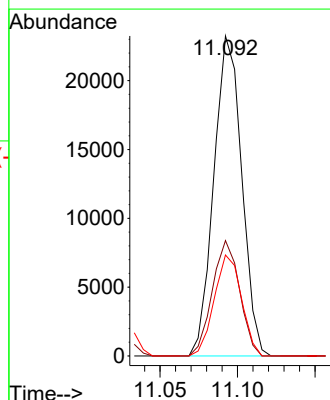
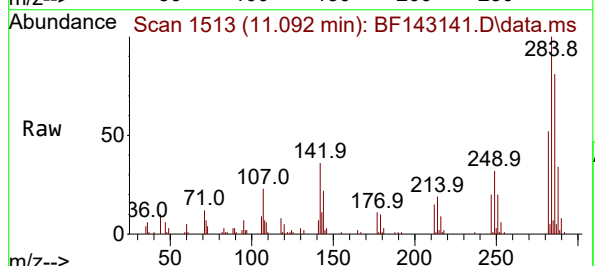
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

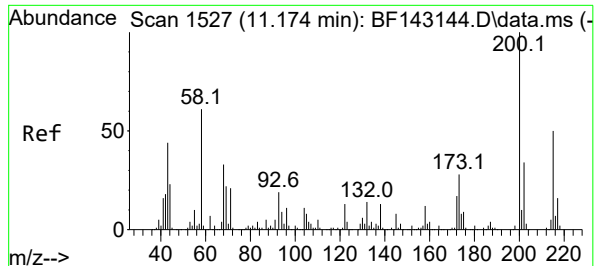
Tgt Ion:248 Resp: 27259
Ion Ratio Lower Upper
248 100
250 94.5 78.3 117.5
141 75.4 59.2 88.8



#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:284 Resp: 29052
Ion Ratio Lower Upper
284 100
142 36.1 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 4.733 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

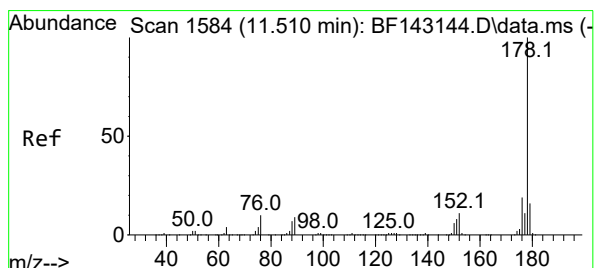
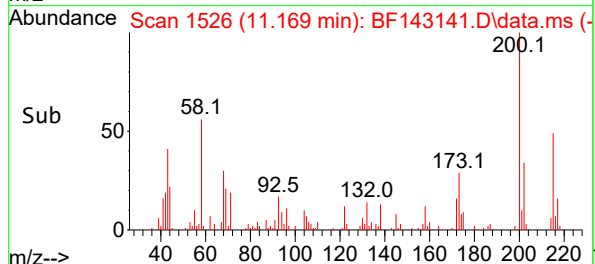
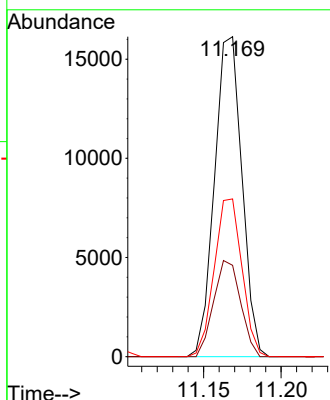
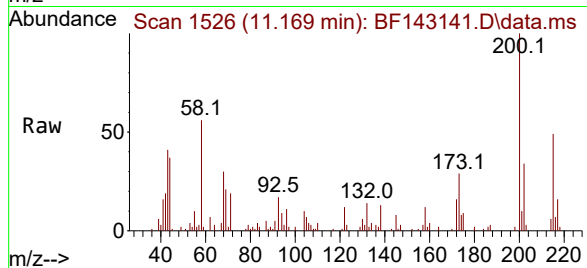
Tgt Ion:200 Resp: 19865

Ion Ratio Lower Upper

200 100

173 28.5 7.9 47.9

215 49.3 30.1 70.1



#71

Phenanthrene

Concen: 5.609 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

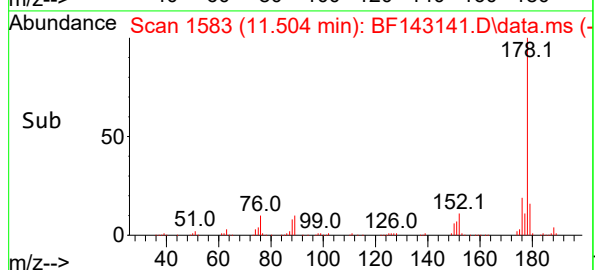
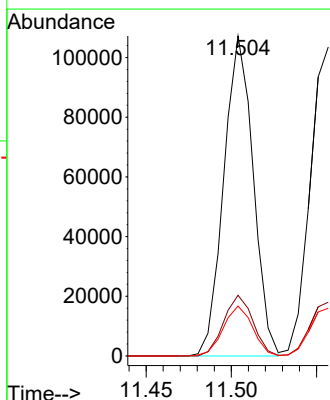
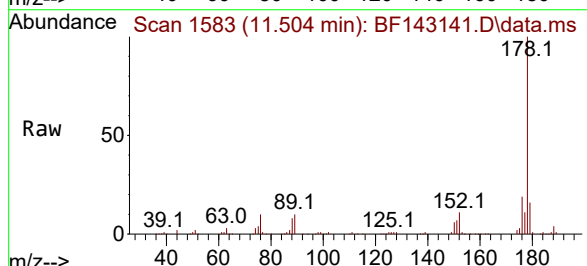
Tgt Ion:178 Resp: 128762

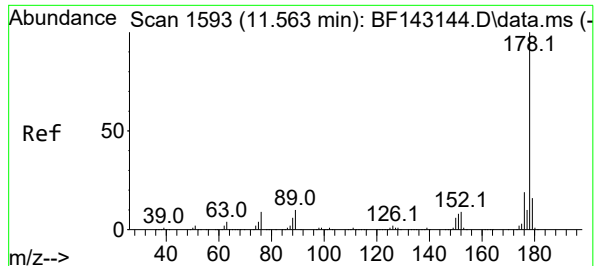
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.6 12.5 18.7

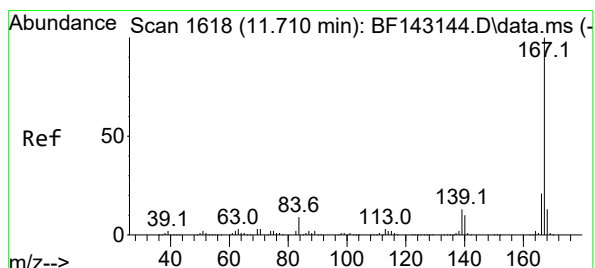
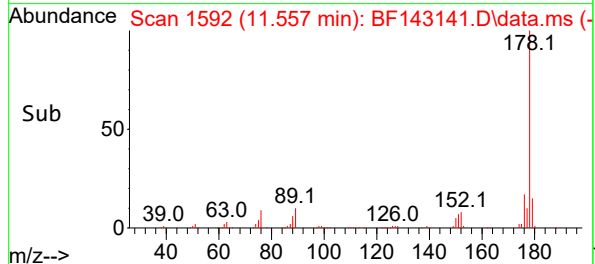
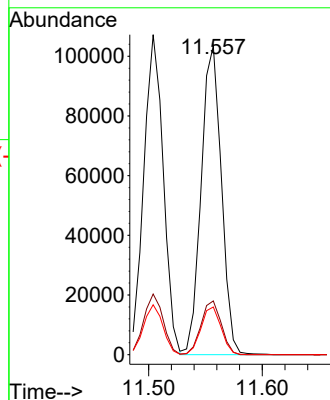
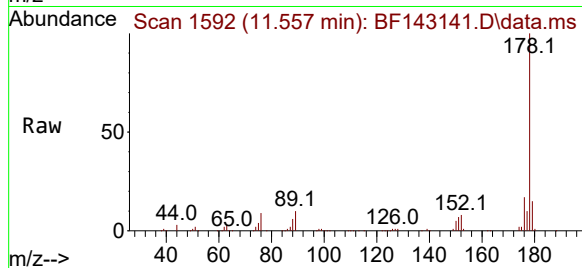




#72
Anthracene
Concen: 5.465 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

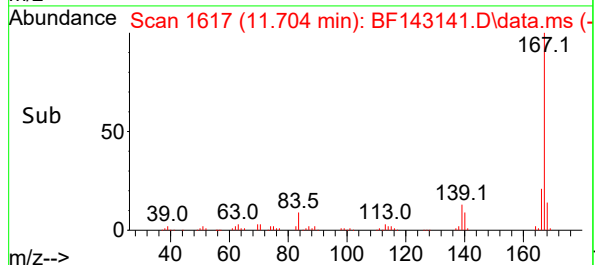
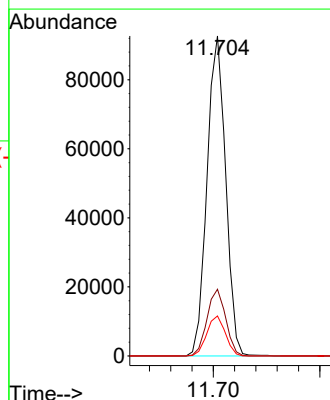
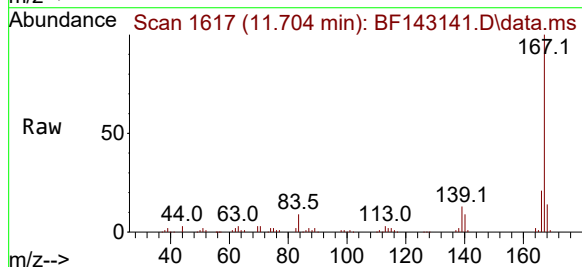
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

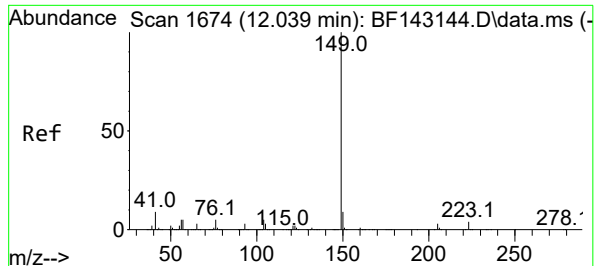
Tgt Ion:178 Resp: 127938
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.4
179 15.4 12.5 18.7



#73
Carbazole
Concen: 5.507 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:167 Resp: 112588
Ion Ratio Lower Upper
167 100
166 20.9 17.0 25.6
139 12.5 10.0 15.0

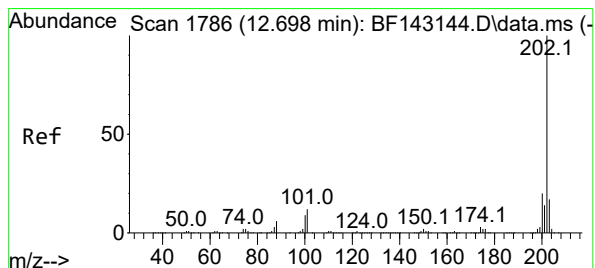
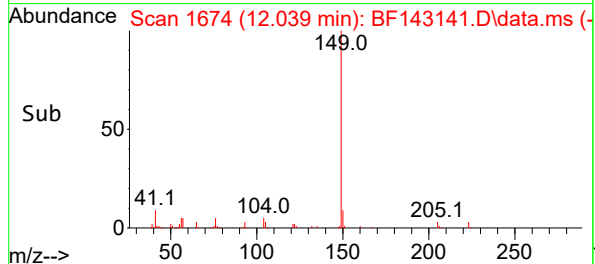
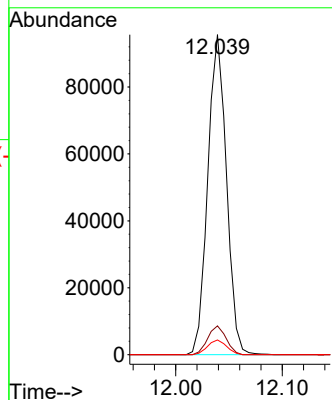
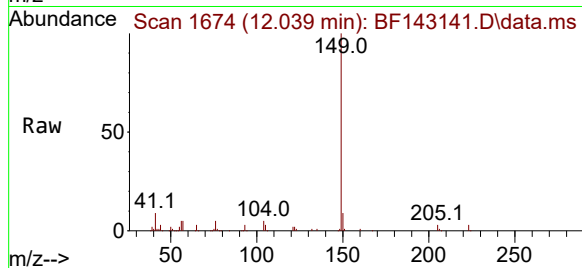




#74
Di-n-butylphthalate
Concen: 5.027 ng
RT: 12.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

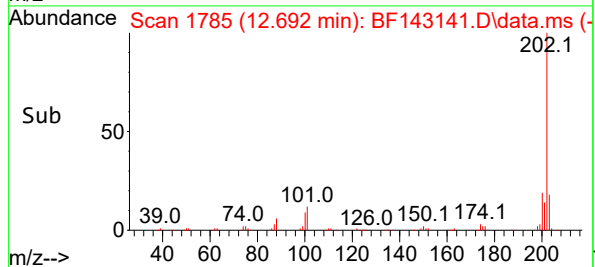
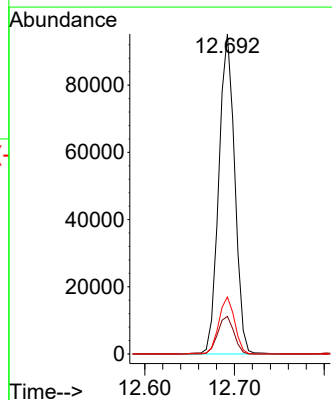
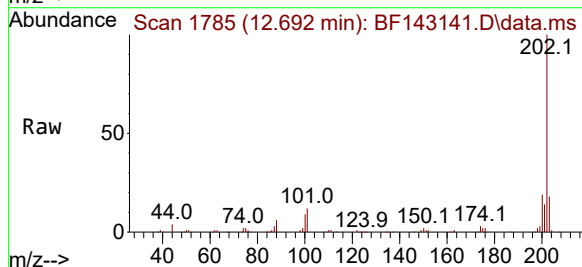
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

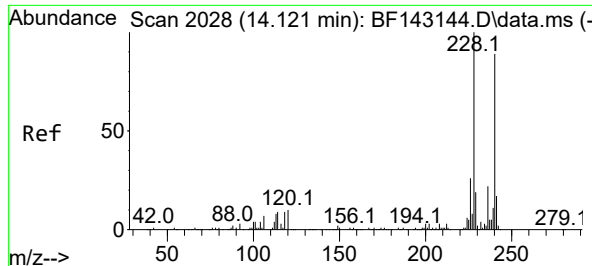
Tgt Ion:149 Resp: 116291
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.6 3.8 5.8



#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 117249
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.8 0.0 37.4

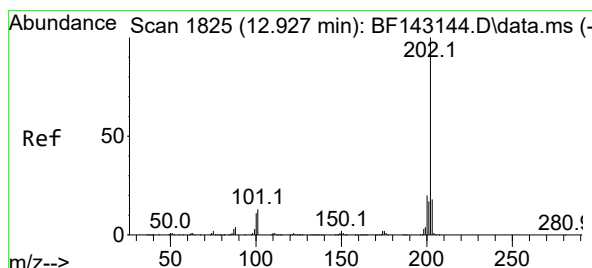
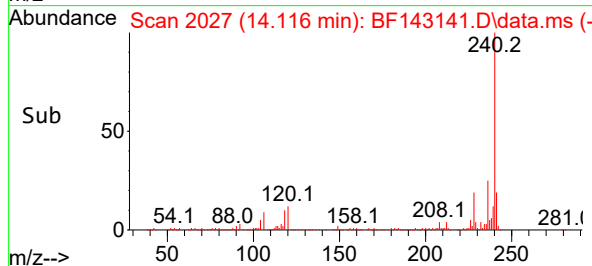
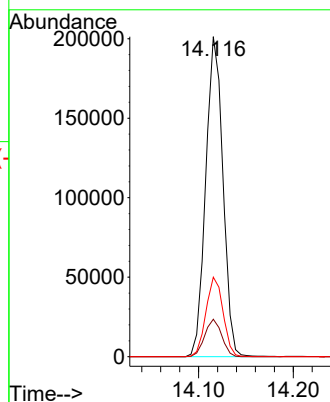
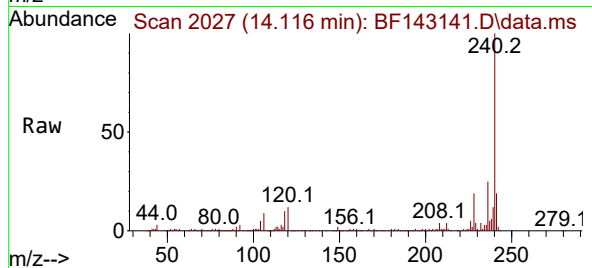




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

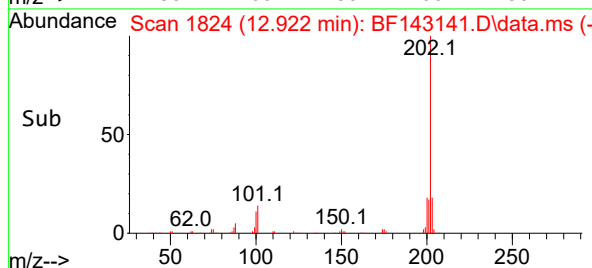
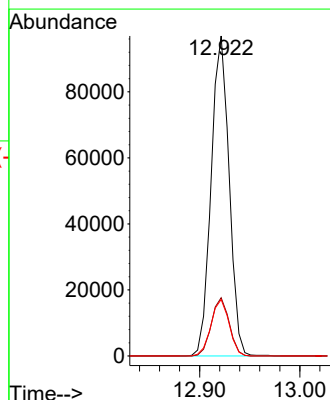
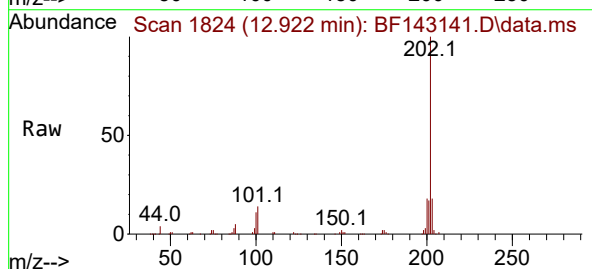
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

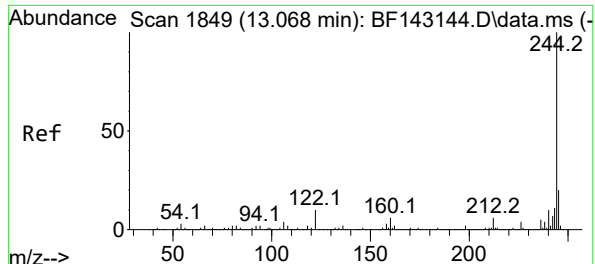
Tgt Ion:240 Resp: 253004
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 24.9 20.2 30.4



#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 120767
Ion Ratio Lower Upper
202 100
200 18.2 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 11.656 ng

RT: 13.063 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

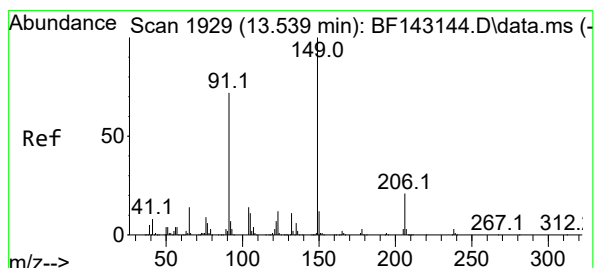
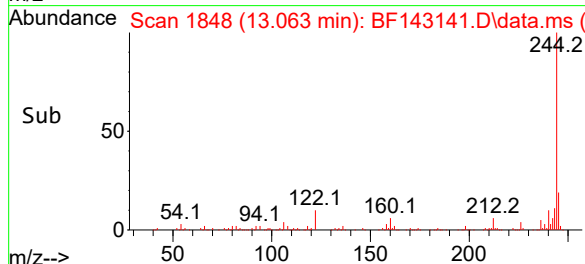
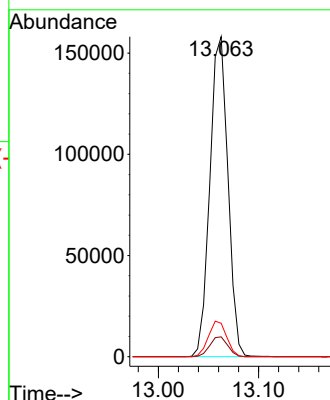
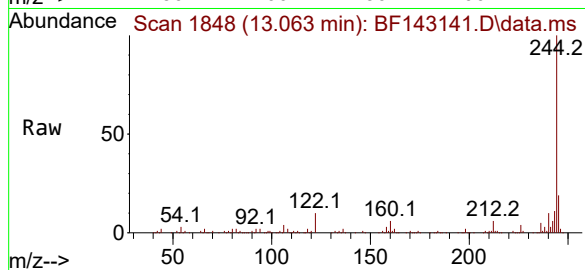
Tgt Ion:244 Resp: 198167

Ion Ratio Lower Upper

244 100

212 6.2 5.2 7.8

122 10.5 8.2 12.2



#80

Butylbenzylphthalate

Concen: 4.189 ng

RT: 13.533 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

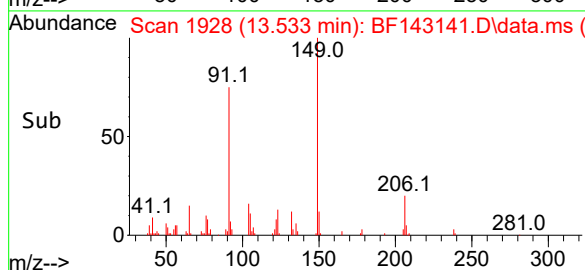
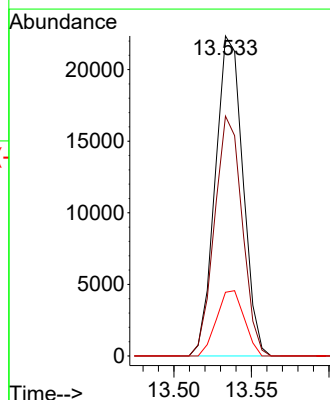
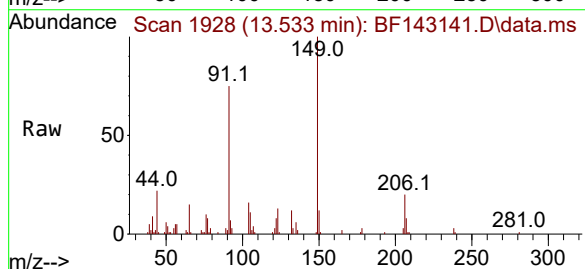
Tgt Ion:149 Resp: 27699

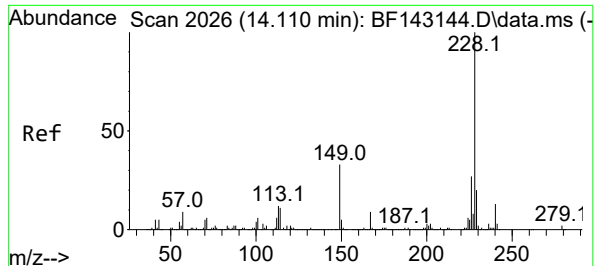
Ion Ratio Lower Upper

149 100

91 74.9 57.9 86.9

206 19.9 17.0 25.4

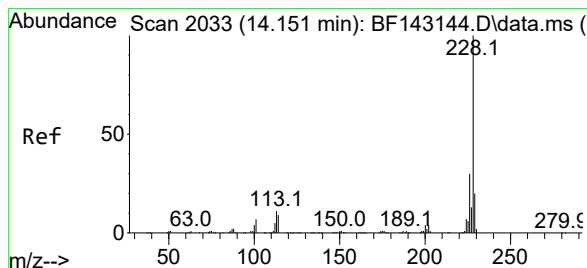
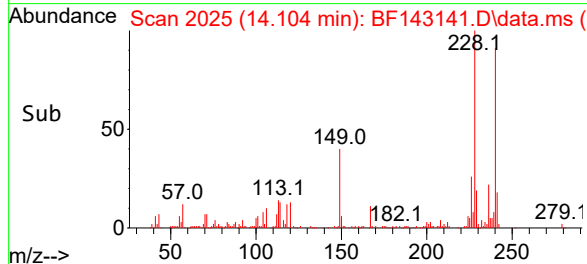
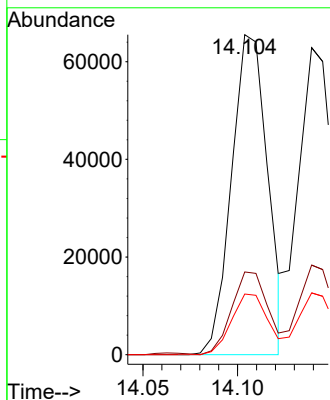
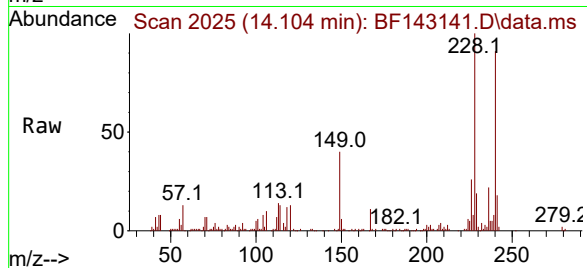




#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.104 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

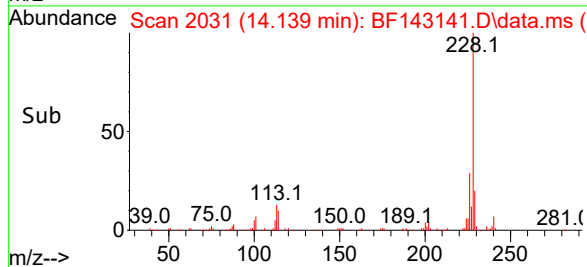
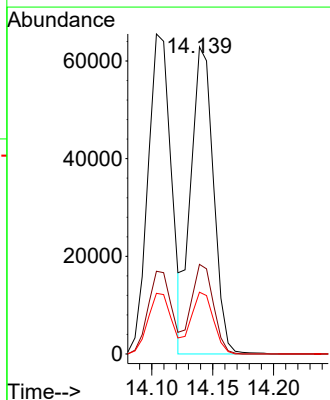
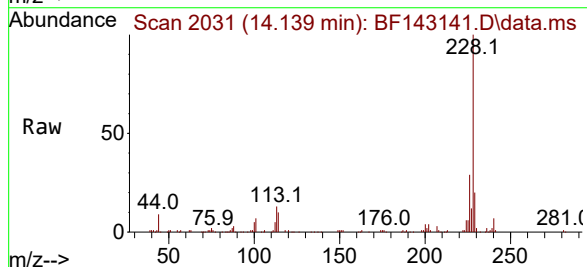
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

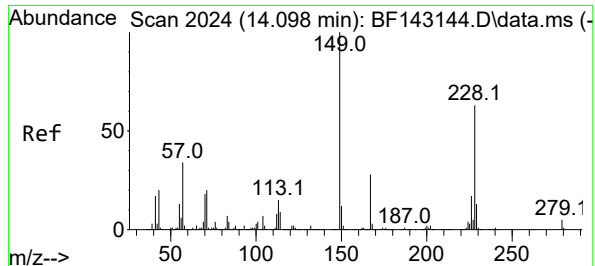
Tgt Ion:228 Resp: 86920
Ion Ratio Lower Upper
228 100
226 25.8 21.7 32.5
229 19.0 15.8 23.6



#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:228 Resp: 81091
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.8
229 20.1 15.6 23.4

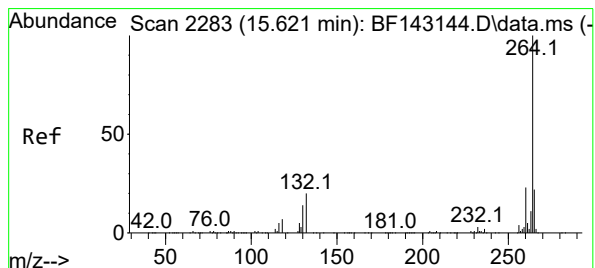
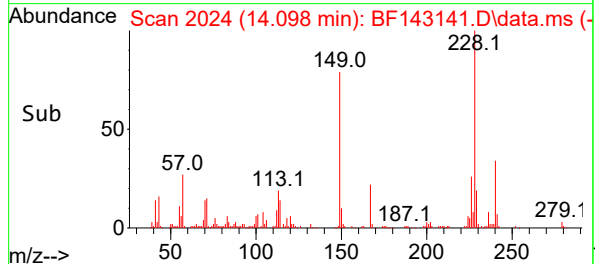
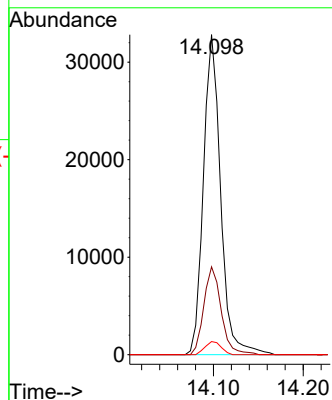
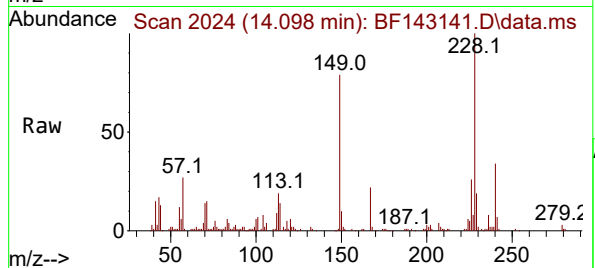




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.370 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

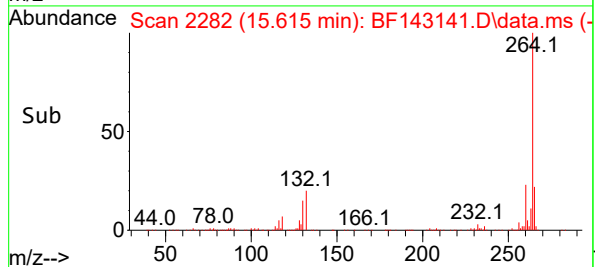
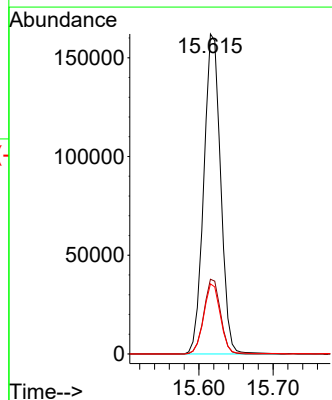
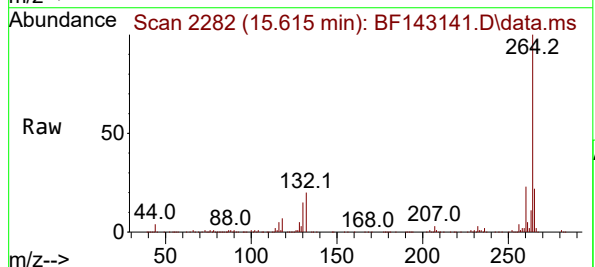
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

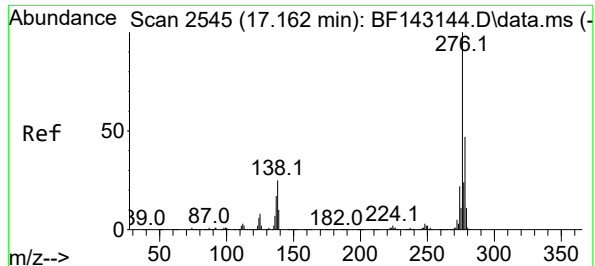
Tgt Ion:149 Resp: 43732
Ion Ratio Lower Upper
149 100
167 27.5 22.3 33.5
279 4.1 3.6 5.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:264 Resp: 255898
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.9 17.4 26.2

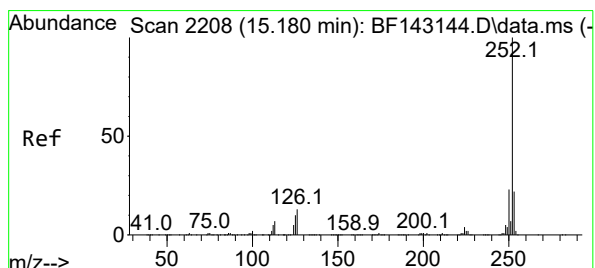
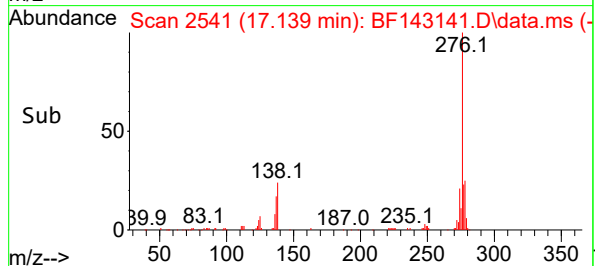
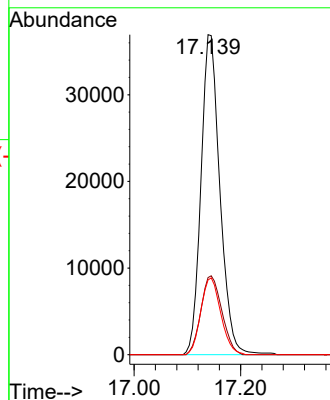
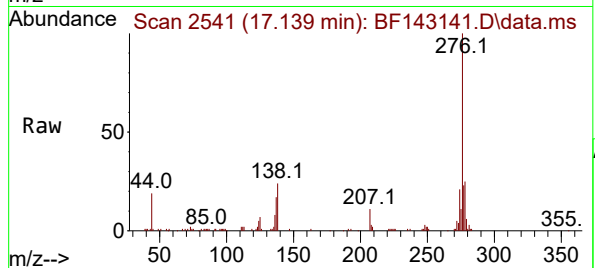




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.047 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

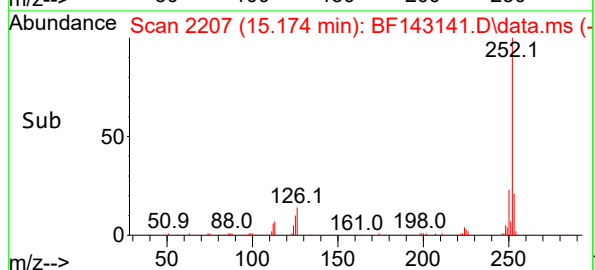
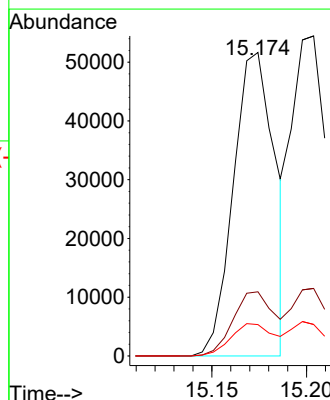
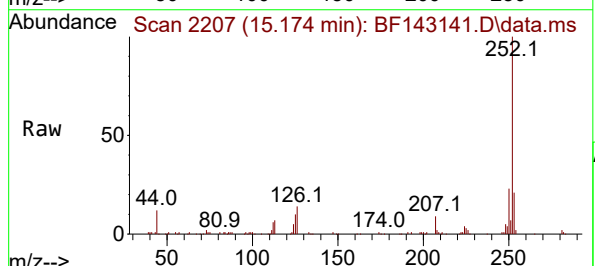
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

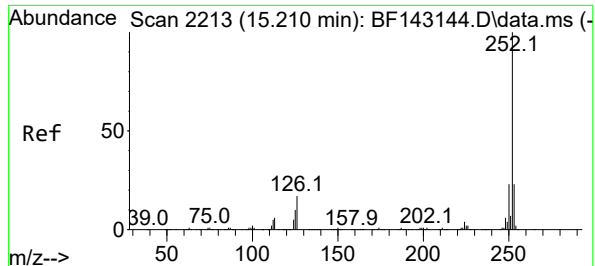
Tgt Ion:276 Resp: 91076
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.6
277 25.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 78749
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 5.358 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

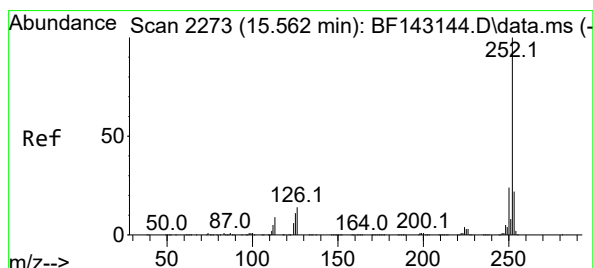
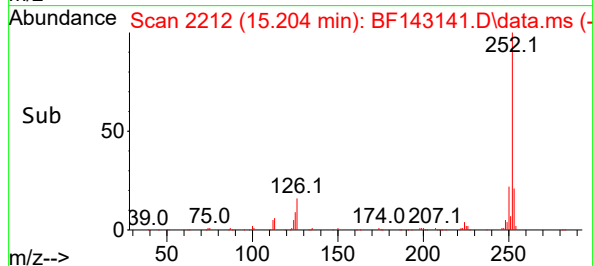
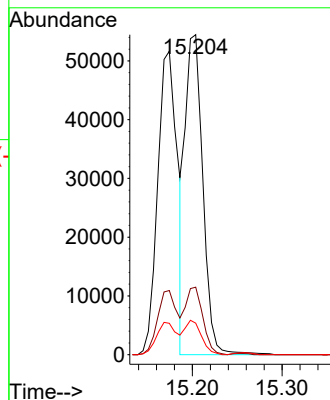
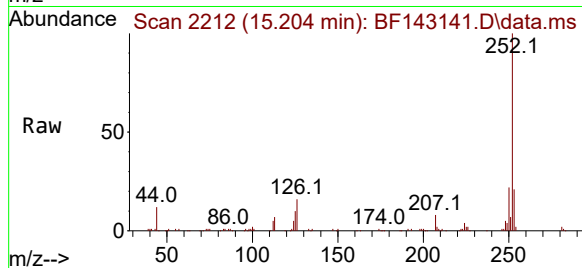
Tgt Ion:252 Resp: 74738

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

125 9.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 5.012 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

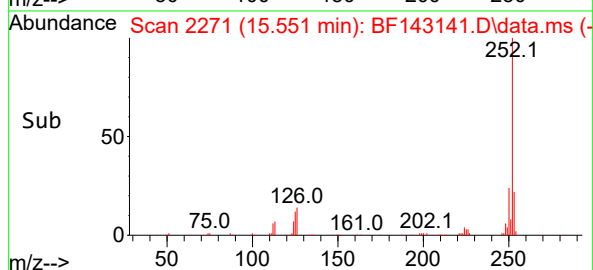
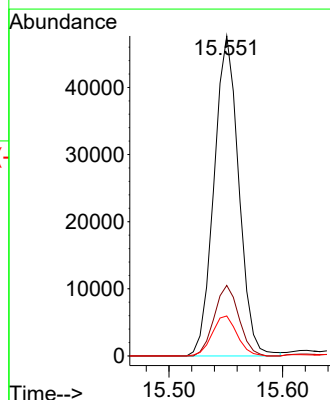
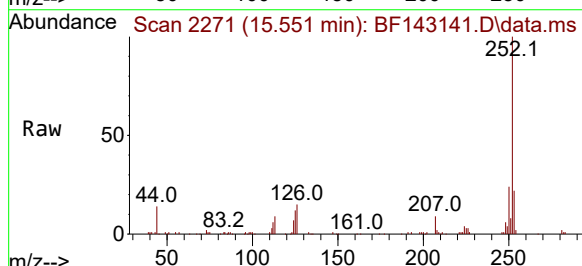
Tgt Ion:252 Resp: 72196

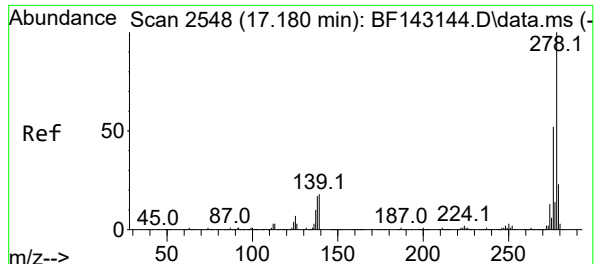
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 12.5 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 5.047 ng

RT: 17.162 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

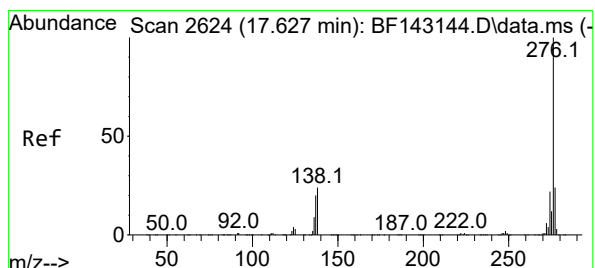
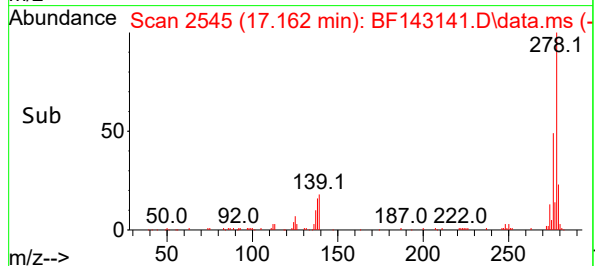
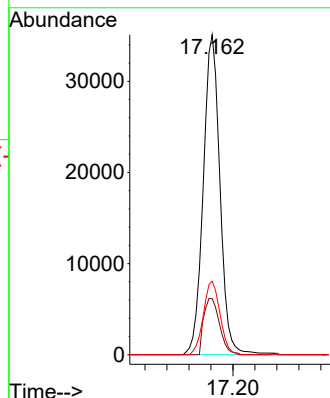
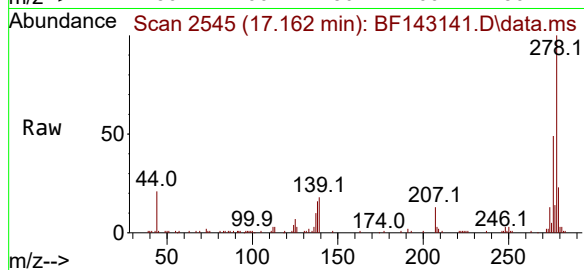
Tgt Ion:278 Resp: 74120

Ion Ratio Lower Upper

278 100

139 17.5 14.1 21.1

279 22.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 4.955 ng

RT: 17.604 min Scan# 2620

Delta R.T. -0.023 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

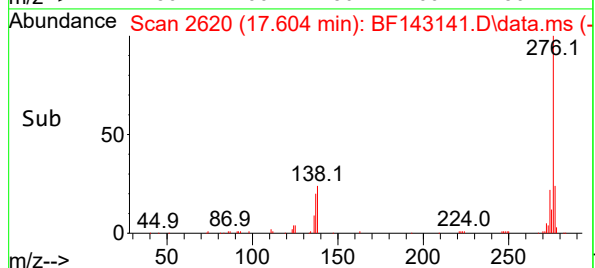
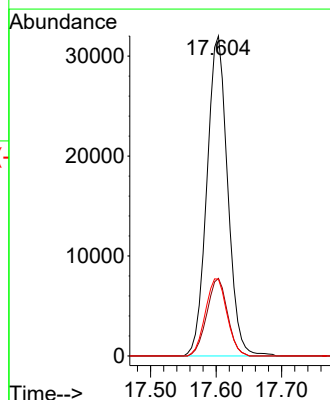
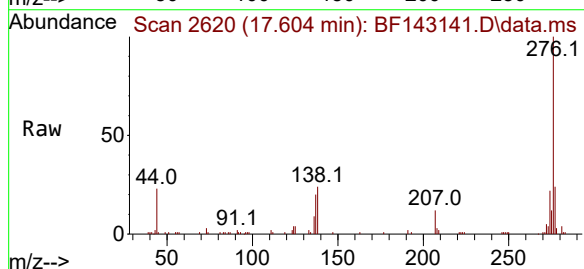
Tgt Ion:276 Resp: 70403

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 24.0 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	140410	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	545730	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	282580	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	461255	20.000	ng	0.00
76) Chrysene-d12	14.116	240	254650	20.000	ng	0.00
86) Perylene-d12	15.621	264	273706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	184363	20.778	ng	0.00
7) Phenol-d6	6.569	99	230206	20.613	ng	-0.02
23) Nitrobenzene-d5	7.510	82	215086m	19.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	56961	19.512	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	464669	22.489	ng	0.00
79) Terphenyl-d14	13.063	244	370808	21.669	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	40860	9.732	ng	98
3) Pyridine	3.587	79	109317	10.032	ng	100
4) n-Nitrosodimethylamine	3.510	42	54487	9.684	ng	98
6) Aniline	6.616	93	158580	10.188	ng	99
8) 2-Chlorophenol	6.740	128	94265	10.135	ng	98
9) Benzaldehyde	6.510	77	81897	9.779	ng	100
10) Phenol	6.587	94	124080m	10.198	ng	
11) bis(2-Chloroethyl)ether	6.687	93	94260	10.119	ng	99
12) 1,3-Dichlorobenzene	6.904	146	106226	10.514	ng	97
13) 1,4-Dichlorobenzene	6.981	146	106581	10.475	ng	99
14) 1,2-Dichlorobenzene	7.134	146	99226	10.253	ng	99
15) Benzyl Alcohol	7.087	79	85240	9.996	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	179226	10.371	ng	99
17) 2-Methylphenol	7.198	107	78001	9.974	ng	99
18) Hexachloroethane	7.481	117	34985	9.932	ng	99
19) n-Nitroso-di-n-propyla...	7.357	70	73815	10.302	ng	97
20) 3+4-Methylphenols	7.345	107	103018	10.858	ng	91
22) Acetophenone	7.357	105	137532	10.645	ng	# 98
24) Nitrobenzene	7.534	77	100837	9.879	ng	98
25) Isophorone	7.769	82	192895	9.981	ng	100
26) 2-Nitrophenol	7.851	139	38451	8.680	ng	96
27) 2,4-Dimethylphenol	7.881	122	92724	10.269	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	119320	10.297	ng	98
29) 2,4-Dichlorophenol	8.087	162	76847	10.091	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	83842	10.191	ng	100
31) Naphthalene	8.263	128	283107	10.534	ng	99
32) Benzoic acid	7.928	122	28431m	10.113	ng	
33) 4-Chloroaniline	8.304	127	113797	10.369	ng	100
34) Hexachlorobutadiene	8.386	225	51715	10.290	ng	99
35) Caprolactam	8.634	113	21157	9.194	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	84647	10.227	ng	98
37) 2-Methylnaphthalene	8.951	142	172865	10.570	ng	100
38) 1-Methylnaphthalene	9.051	142	177917	10.564	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	84494	10.357	ng	99
41) Hexachlorocyclopentadiene	9.116	237	47577	8.963	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	57396	10.165	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

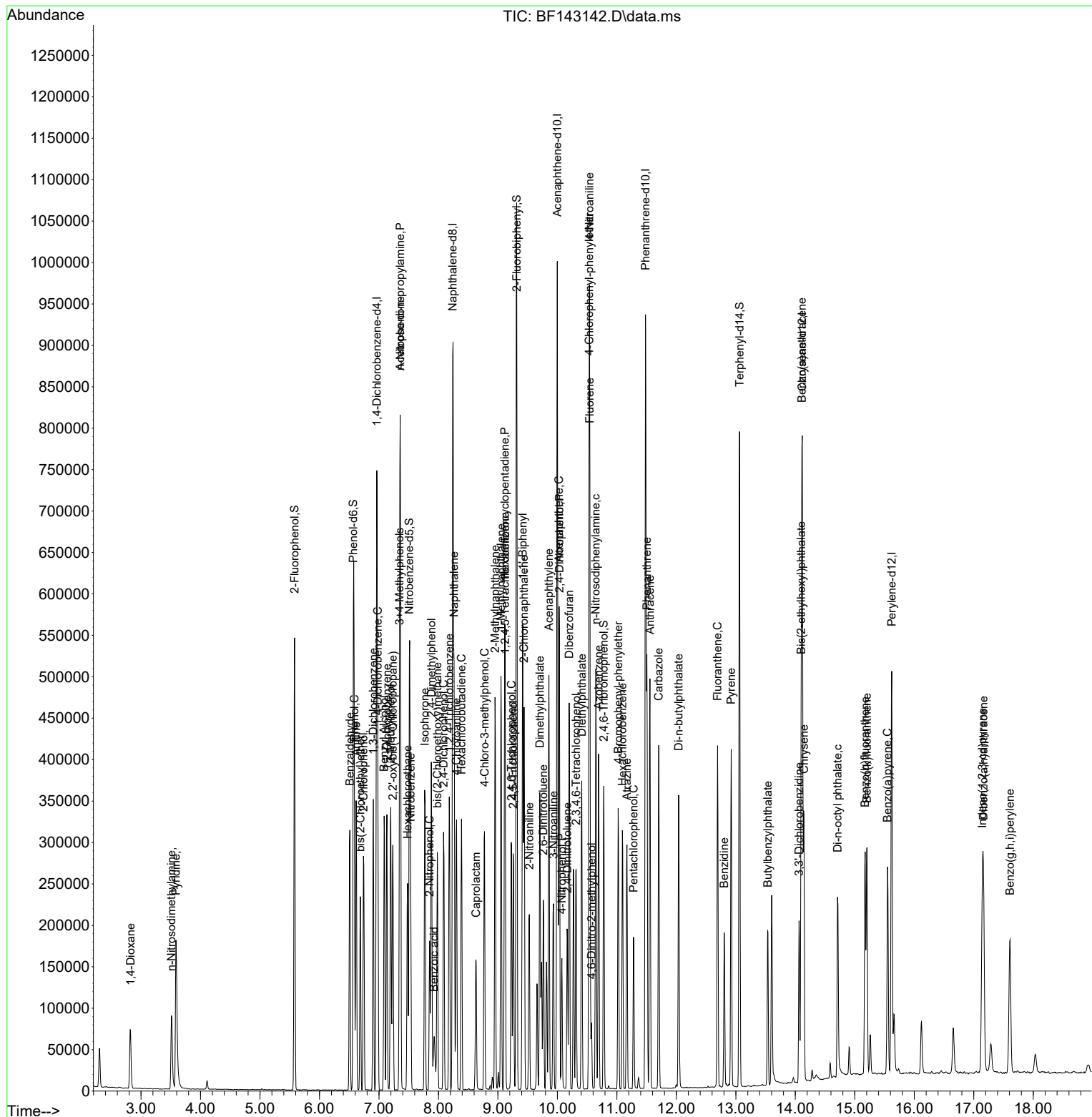
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	54716	9.688	ng	97
46) 1,1'-Biphenyl	9.416	154	235467	10.680	ng	100
47) 2-Chloronaphthalene	9.439	162	172831	10.595	ng	98
48) 2-Nitroaniline	9.528	65	47055	9.198	ng	99
49) Acenaphthylene	9.857	152	289989	10.607	ng	98
50) Dimethylphthalate	9.704	163	189399	10.283	ng	99
51) 2,6-Dinitrotoluene	9.763	165	35364	9.438	ng	93
52) Acenaphthene	10.028	154	168698	10.440	ng	99
53) 3-Nitroaniline	9.933	138	42367	9.667	ng	97
54) 2,4-Dinitrophenol	10.033	184	7147	10.522	ng	# 1
55) Dibenzofuran	10.198	168	255272	10.641	ng	99
56) 4-Nitrophenol	10.075	139	28233	8.627	ng	98
57) 2,4-Dinitrotoluene	10.169	165	41815	8.895	ng	98
58) Fluorene	10.545	166	198041	10.999	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	46720	9.986	ng	99
60) Diethylphthalate	10.410	149	186802	10.261	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	94685	10.561	ng	97
62) 4-Nitroaniline	10.539	138	35962	9.574	ng	98
63) Azobenzene	10.692	77	197998	10.435	ng	99
65) 4,6-Dinitro-2-methylph...	10.575	198	12541	10.014	ng	94
66) n-Nitrosodiphenylamine	10.645	169	167901	10.337	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	54849	9.978	ng	97
68) Hexachlorobenzene	11.092	284	57305	9.974	ng	97
69) Atrazine	11.169	200	43045	9.613	ng	98
70) Pentachlorophenol	11.280	266	27529	8.148	ng	99
71) Phenanthrene	11.504	178	253750	10.361	ng	99
72) Anthracene	11.557	178	261960	10.487	ng	99
73) Carbazole	11.704	167	223376	10.241	ng	100
74) Di-n-butylphthalate	12.039	149	243142	9.852	ng	100
75) Fluoranthene	12.692	202	227701	10.129	ng	99
77) Benzidine	12.804	184	96484	9.834	ng	99
78) Pyrene	12.922	202	227008	10.445	ng	100
80) Butylbenzylphthalate	13.539	149	60055	9.024	ng	98
81) Benzo(a)anthracene	14.110	228	174020	10.207	ng	99
82) 3,3'-Dichlorobenzidine	14.063	252	55694	9.802	ng	97
83) Chrysene	14.145	228	149446	9.750	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	96191	9.549	ng	97
85) Di-n-octyl phthalate	14.710	149	162156	8.881	ng	99
87) Indeno(1,2,3-cd)pyrene	17.145	276	182869	9.475	ng	99
88) Benzo(b)fluoranthene	15.174	252	155430	9.296	ng	99
89) Benzo(k)fluoranthene	15.204	252	157663	10.567	ng	100
90) Benzo(a)pyrene	15.551	252	150853	9.792	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	150977	9.611	ng	100
92) Benzo(g,h,i)perylene	17.609	276	143342	9.433	ng	99

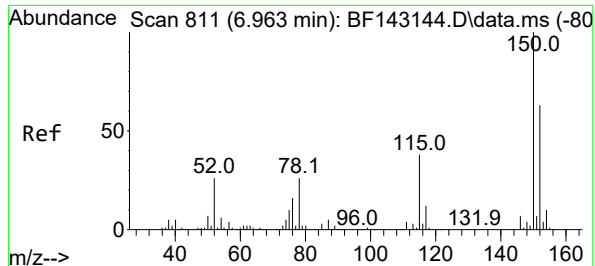
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

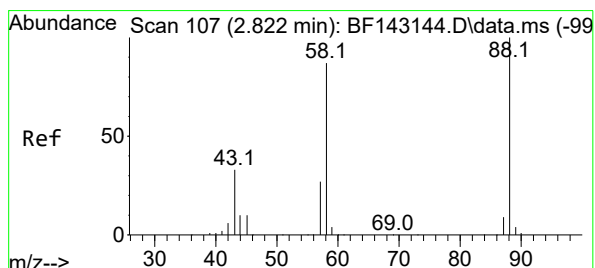
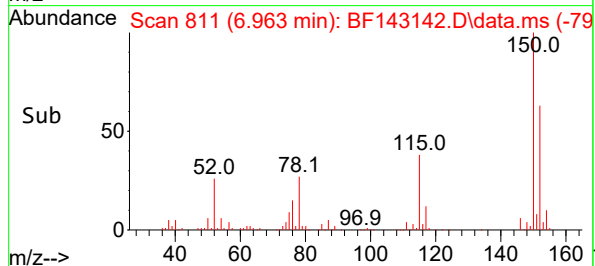
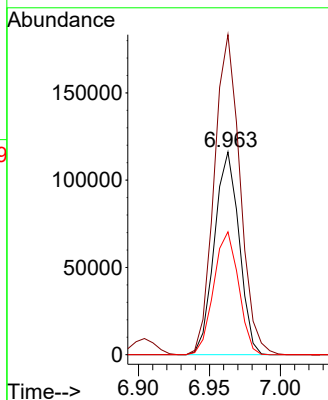
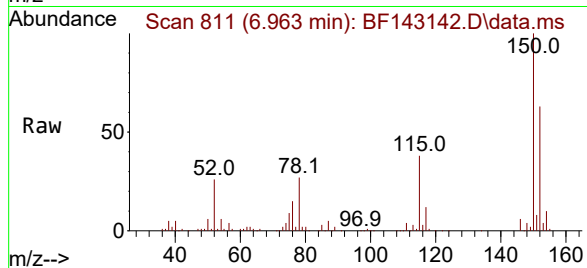




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

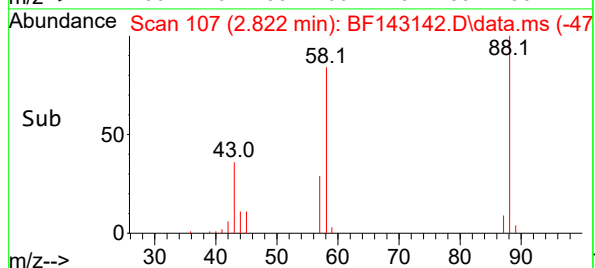
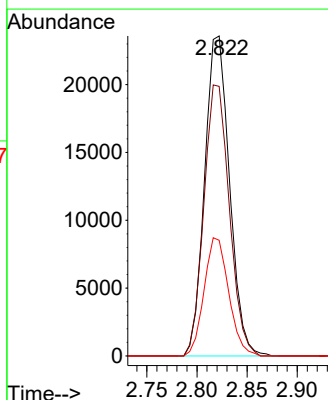
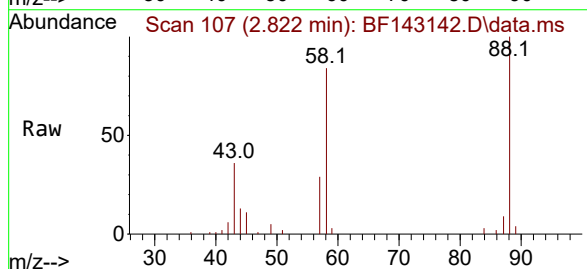
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

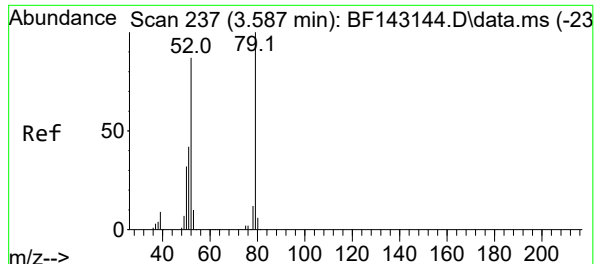
Tgt Ion:152 Resp: 140410
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 60.6 47.9 71.9



#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 88 Resp: 40860
Ion Ratio Lower Upper
88 100
58 86.6 70.2 105.2
43 36.5 27.1 40.7





#3

Pyridine

Concen: 10.032 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143142.D

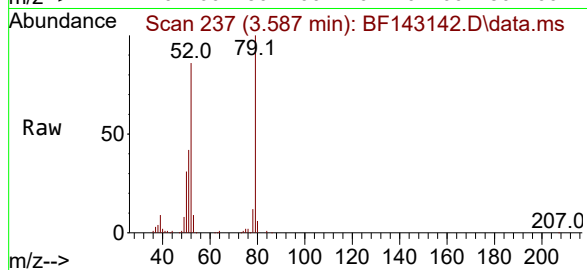
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

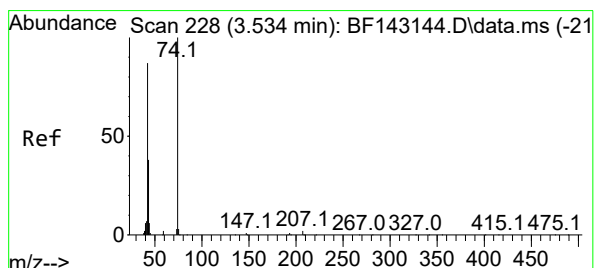
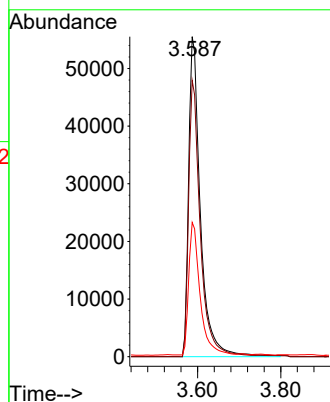
ClientSampleId :

SSTDICC010



Tgt Ion: 79 Resp: 109317

Ion	Ratio	Lower	Upper
79	100		
52	86.3	69.4	104.2
51	42.0	33.5	50.3



#4

n-Nitrosodimethylamine

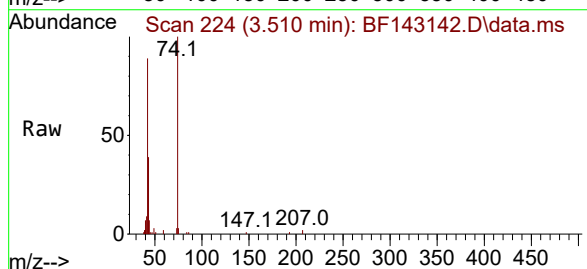
Concen: 9.684 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.023 min

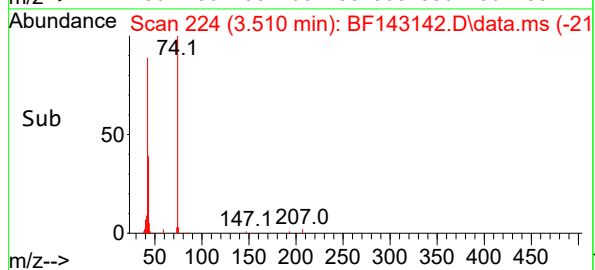
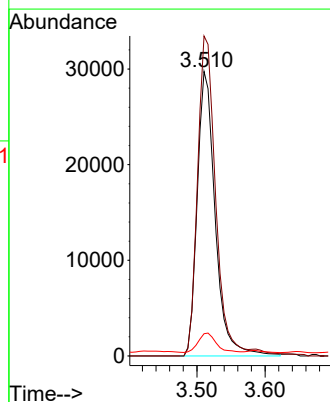
Lab File: BF143142.D

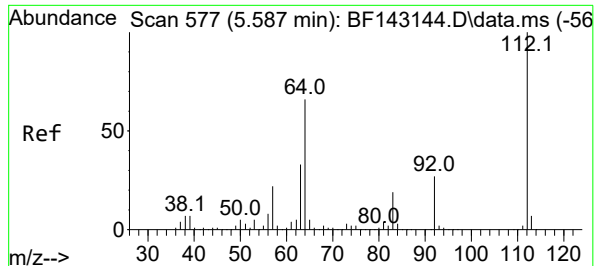
Acq: 17 Jul 2025 12:04



Tgt Ion: 42 Resp: 54487

Ion	Ratio	Lower	Upper
42	100		
74	112.5	91.7	137.5
44	7.8	5.6	8.4

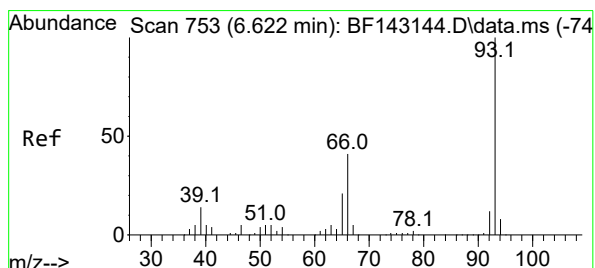
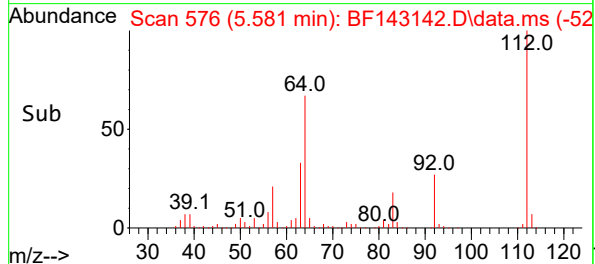
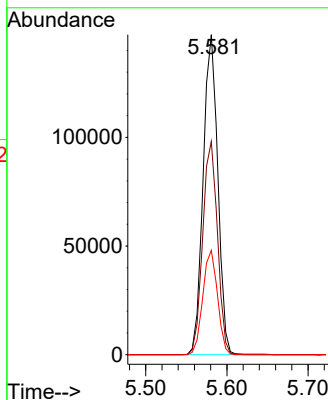
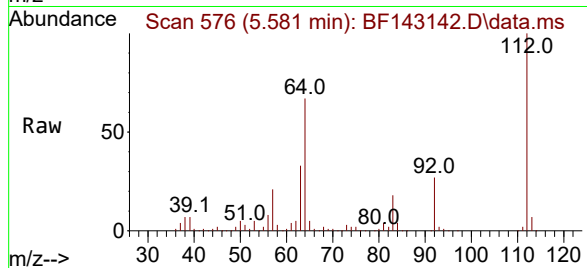




#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

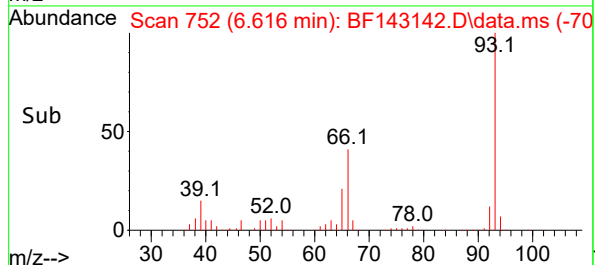
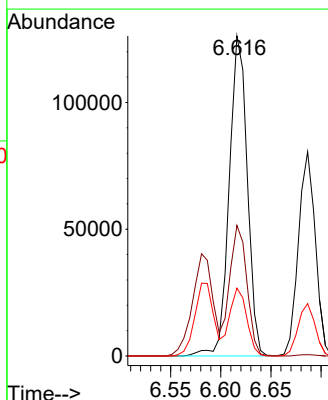
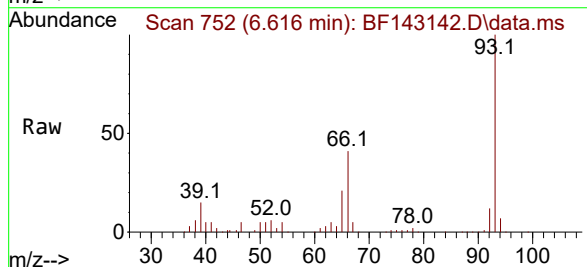
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

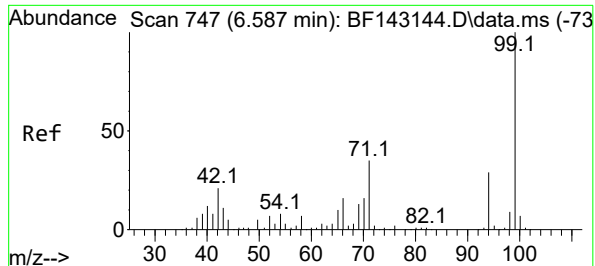
Tgt Ion:112 Resp: 184363
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 32.6 26.6 40.0



#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 158580
Ion Ratio Lower Upper
93 100
66 40.8 33.2 49.8
65 21.2 16.9 25.3





#7

Phenol-d6

Concen: 20.613 ng

RT: 6.569 min Scan# 744

Delta R.T. -0.018 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

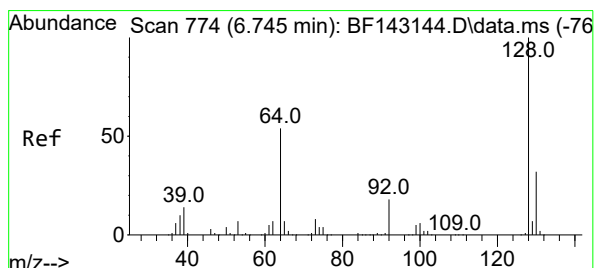
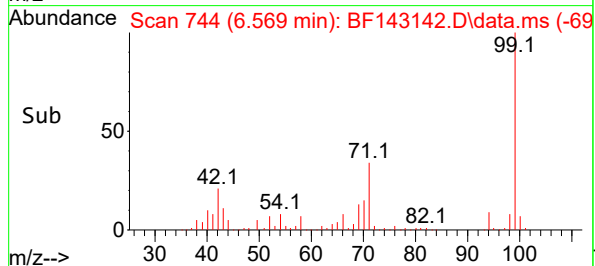
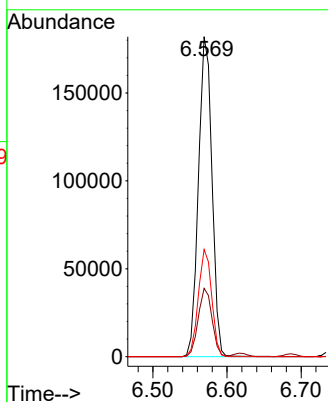
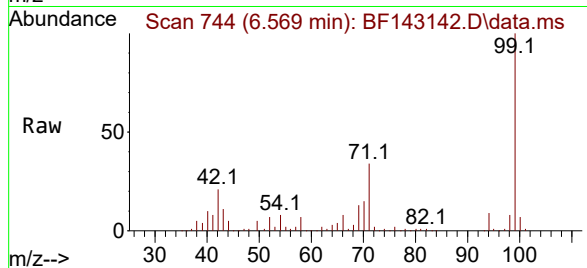
Tgt Ion: 99 Resp: 230206

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.6

71 33.5 27.7 41.5



#8

2-Chlorophenol

Concen: 10.135 ng

RT: 6.740 min Scan# 773

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

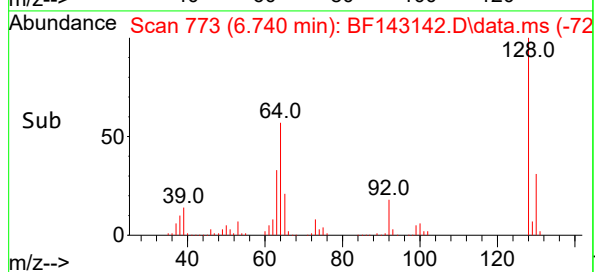
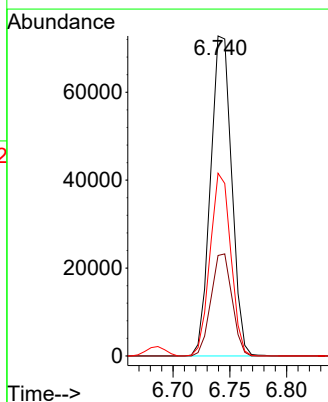
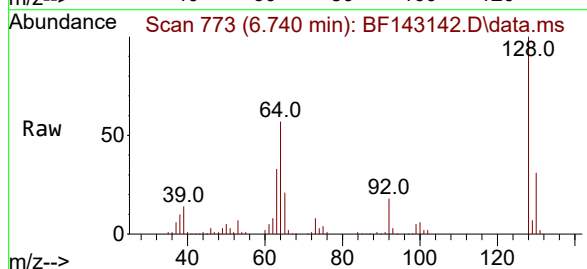
Tgt Ion: 128 Resp: 94265

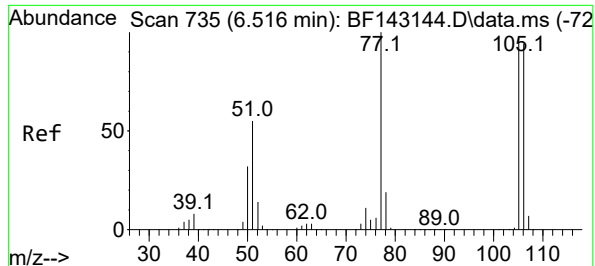
Ion Ratio Lower Upper

128 100

130 31.4 12.3 52.3

64 57.1 35.9 75.9





#9

Benzaldehyde

Concen: 9.779 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

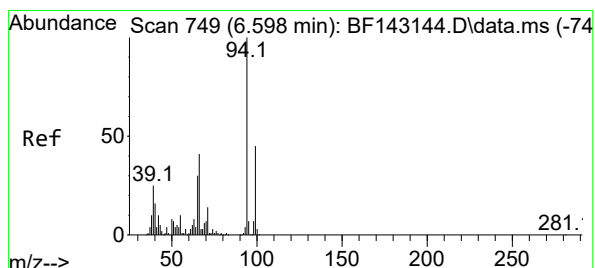
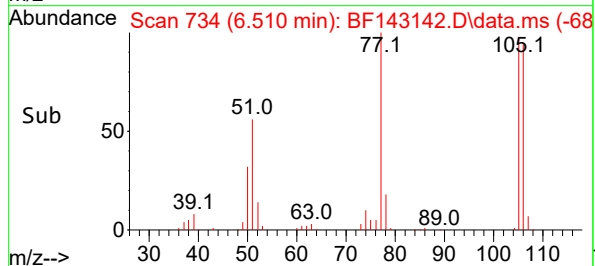
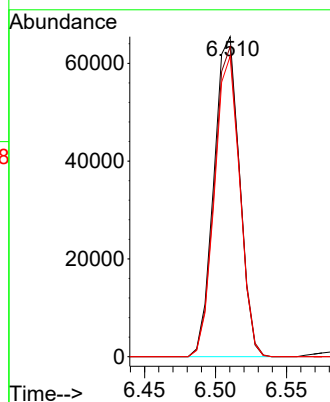
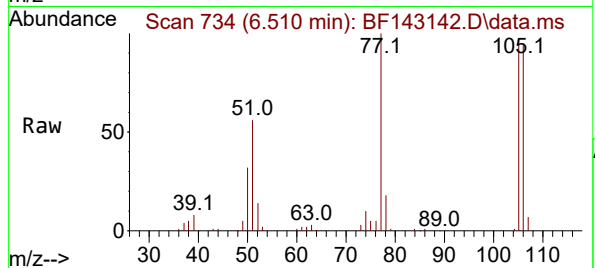
Tgt Ion: 77 Resp: 81897

Ion Ratio Lower Upper

77 100

105 96.9 76.8 116.8

106 93.9 74.4 114.4



#10

Phenol

Concen: 10.198 ng m

RT: 6.587 min Scan# 747

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

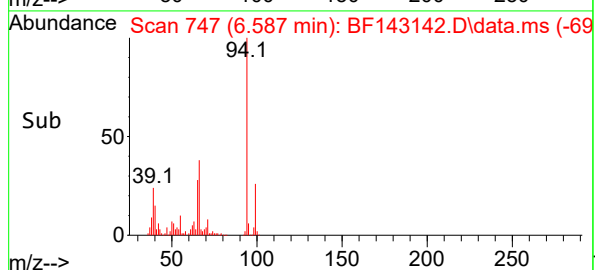
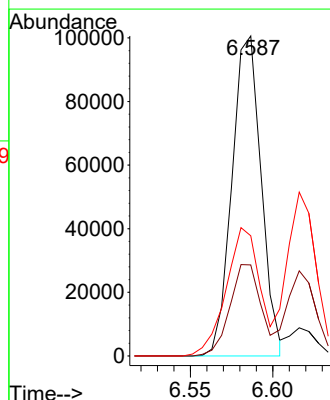
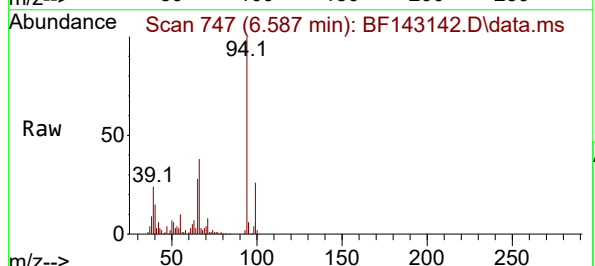
Tgt Ion: 94 Resp: 124080

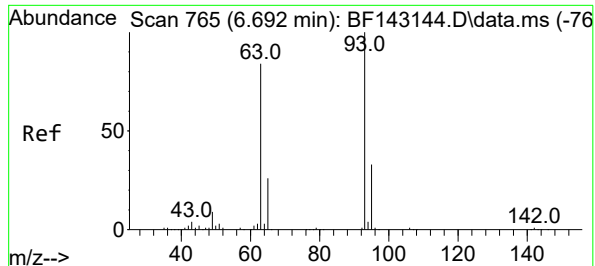
Ion Ratio Lower Upper

94 100

65 28.4 10.0 50.0

66 37.5 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 10.119 ng

RT: 6.687 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

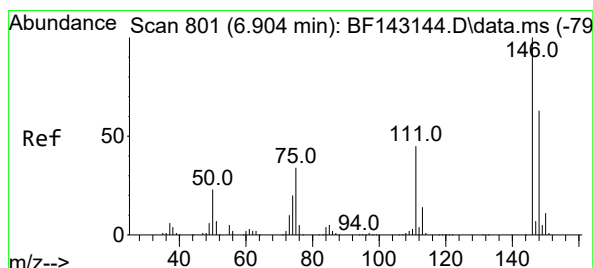
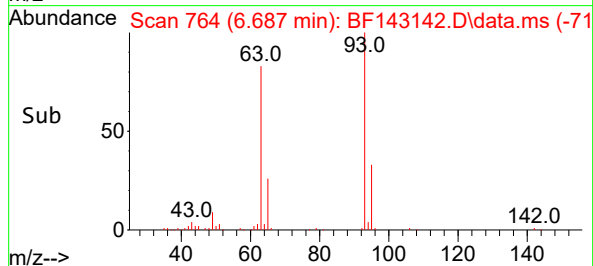
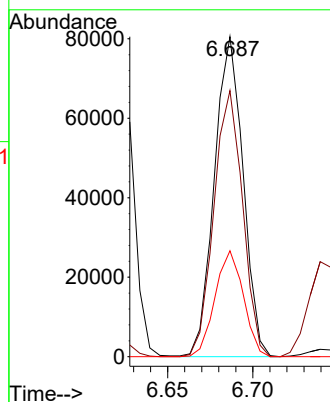
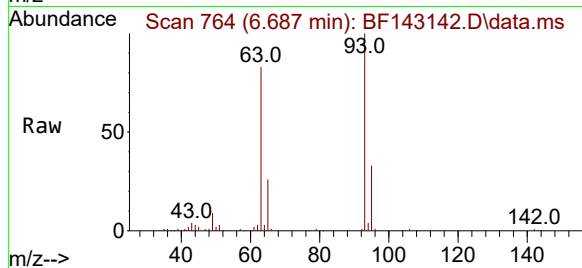
Tgt Ion: 93 Resp: 94260

Ion Ratio Lower Upper

93 100

63 83.2 63.4 103.4

95 33.1 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 10.514 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

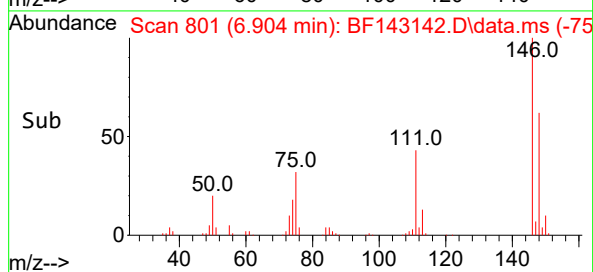
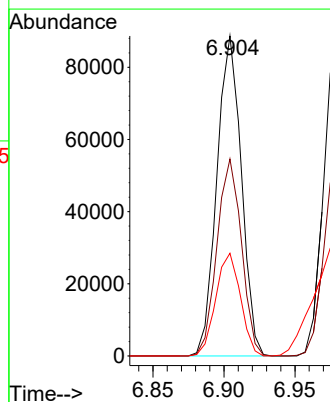
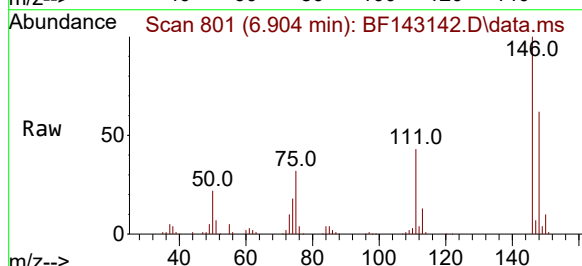
Tgt Ion:146 Resp: 106226

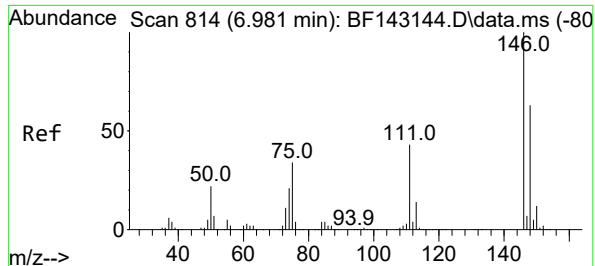
Ion Ratio Lower Upper

146 100

148 61.6 50.6 76.0

75 32.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 10.475 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

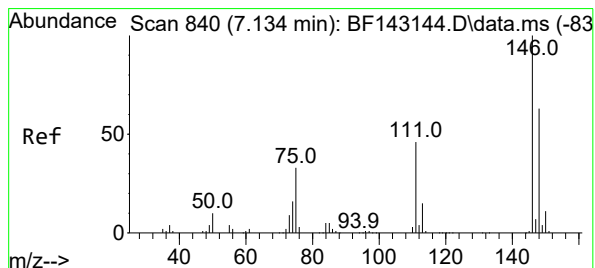
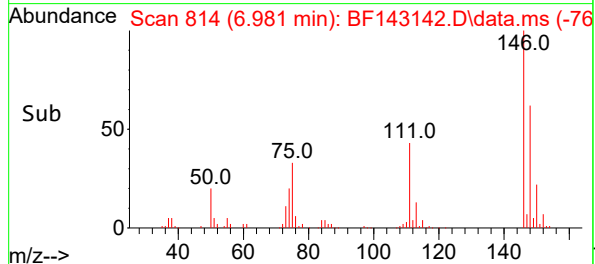
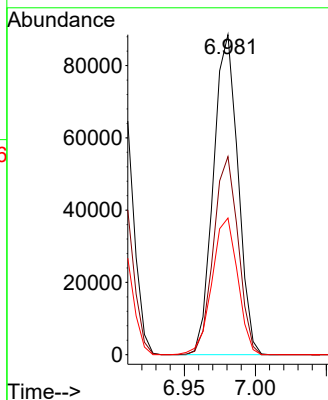
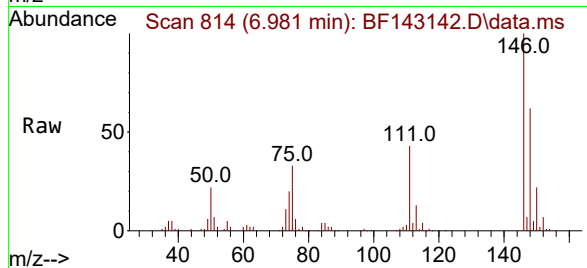
Tgt Ion:146 Resp: 106581

Ion Ratio Lower Upper

146 100

148 61.9 50.3 75.5

111 42.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 10.253 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

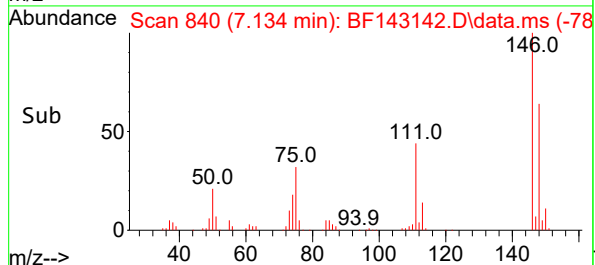
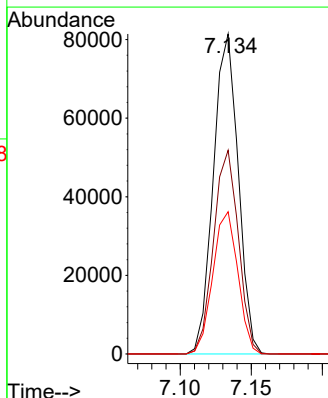
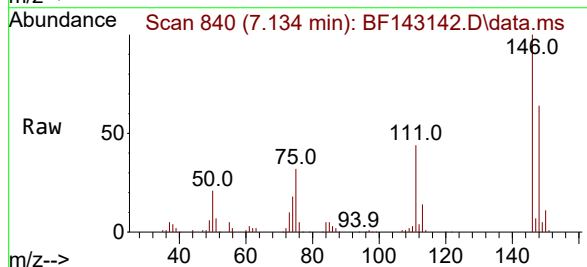
Tgt Ion:146 Resp: 99226

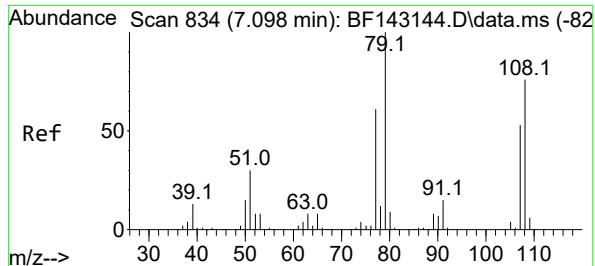
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.5 36.6 54.8





#15

Benzyl Alcohol

Concen: 9.996 ng

RT: 7.087 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

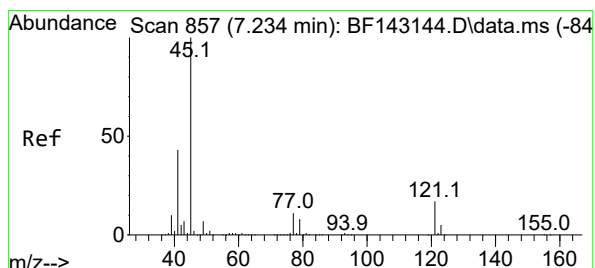
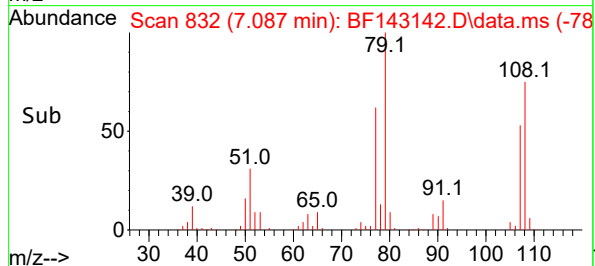
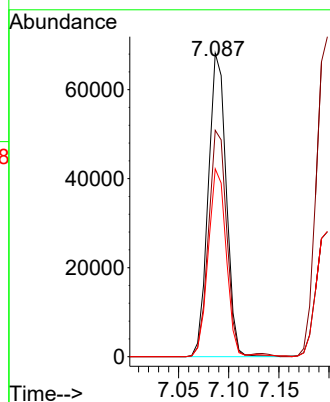
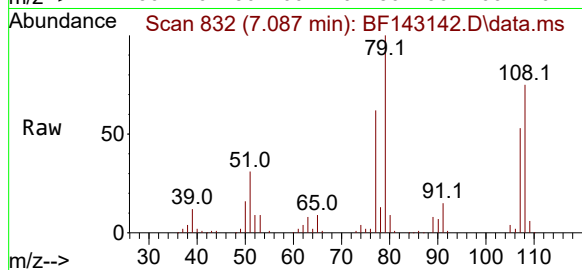
Tgt Ion: 79 Resp: 85240

Ion Ratio Lower Upper

79 100

108 74.6 61.1 91.7

77 61.9 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.371 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

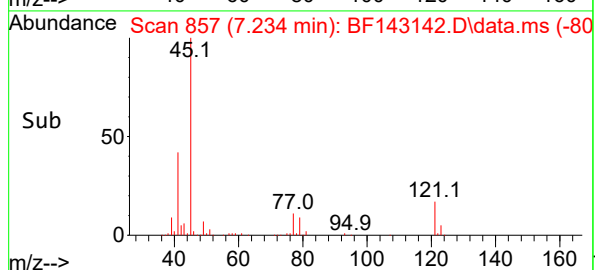
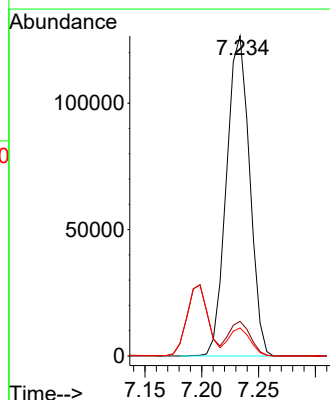
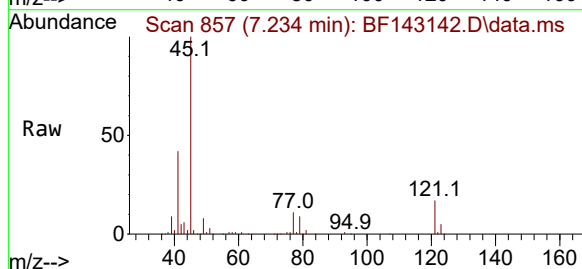
Tgt Ion: 45 Resp: 179226

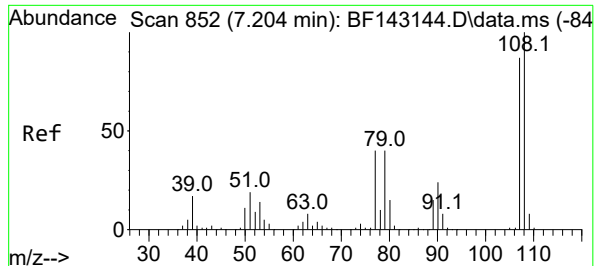
Ion Ratio Lower Upper

45 100

77 10.8 0.0 31.2

79 8.7 0.0 28.5

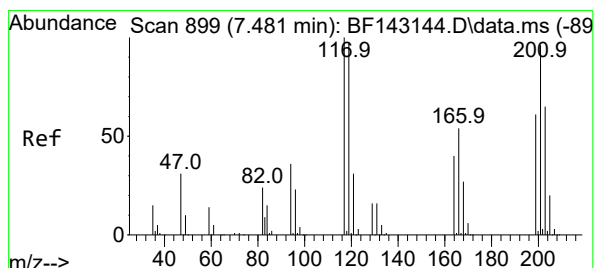
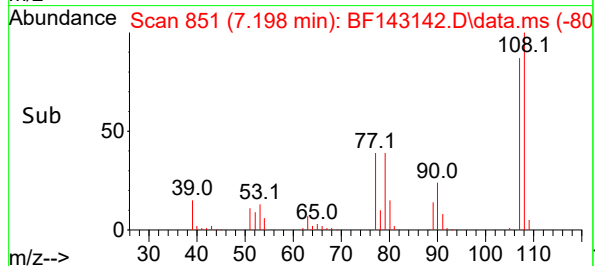
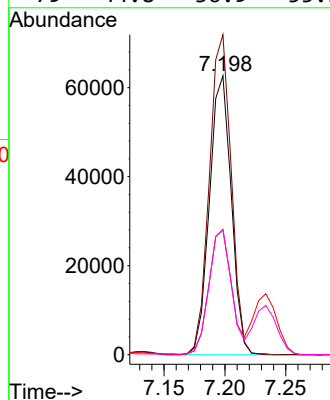
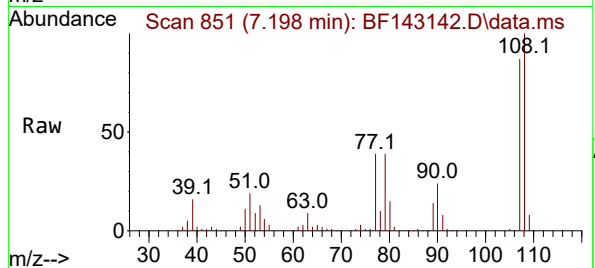




#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

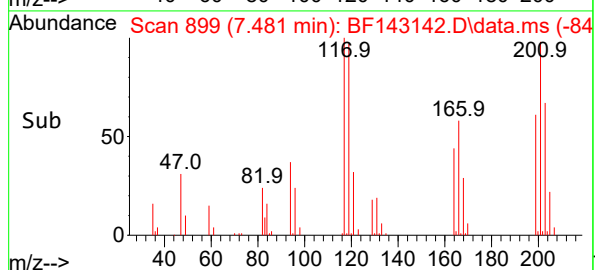
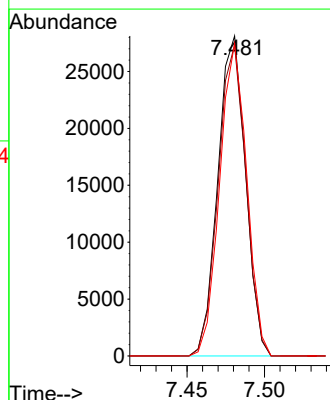
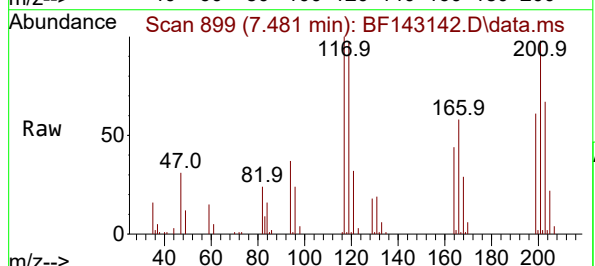
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

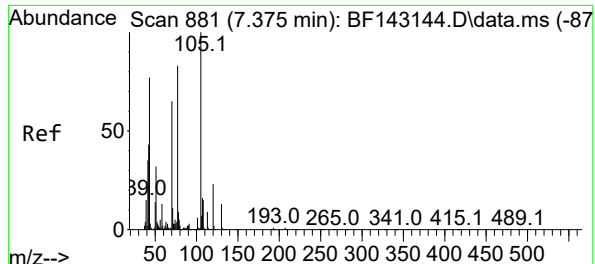
Tgt Ion:107 Resp: 78001
Ion Ratio Lower Upper
107 100
108 114.8 91.8 137.6
77 45.0 37.0 55.6
79 44.8 36.9 55.3



#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:117 Resp: 34985
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.8
201 97.7 77.0 115.4

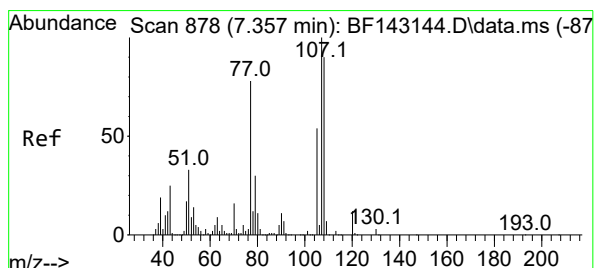
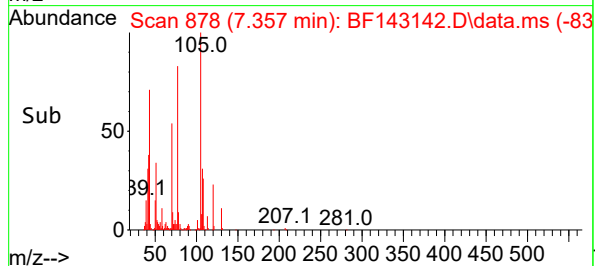
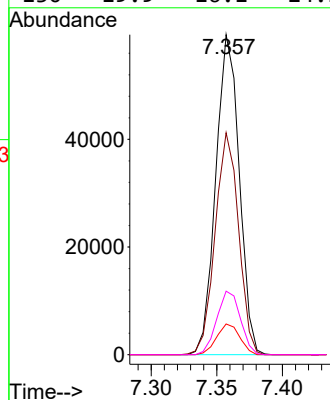
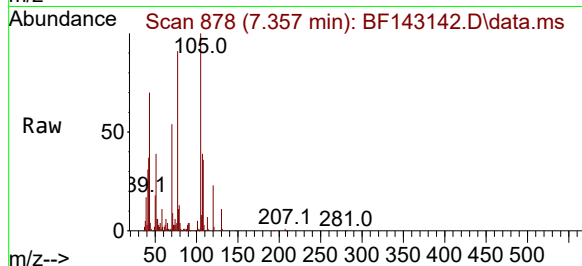




#19
n-Nitroso-di-n-propylamine
Concen: 10.302 ng
RT: 7.357 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

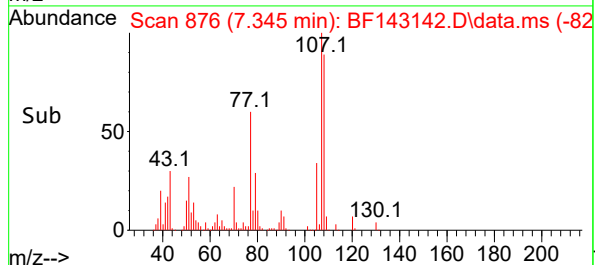
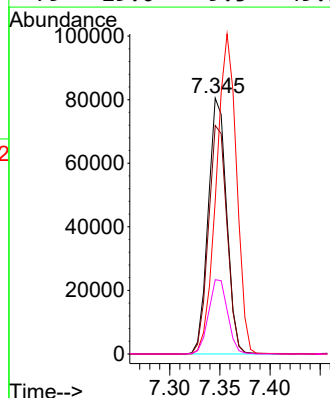
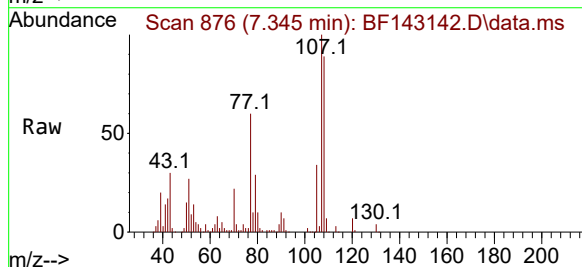
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

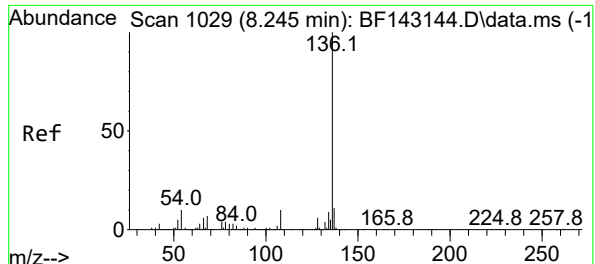
Tgt Ion:	70	Resp:	73815
Ion	Ratio	Lower	Upper
70	100		
42	69.4	52.5	78.7
101	9.6	7.6	11.4
130	19.9	16.1	24.1



#20
3+4-Methylphenols
Concen: 10.858 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:	107	Resp:	103018
Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	60.0	57.8	97.8
79	29.0	9.5	49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 545730

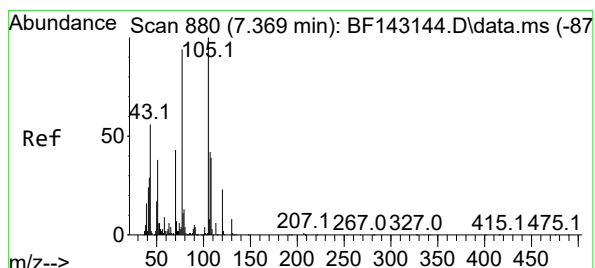
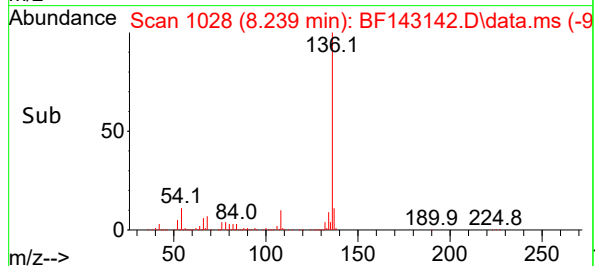
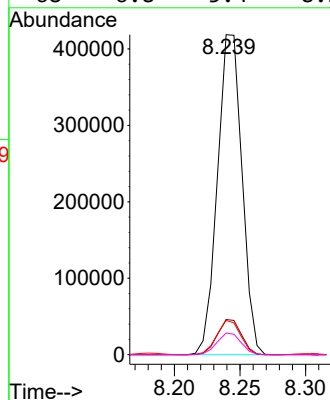
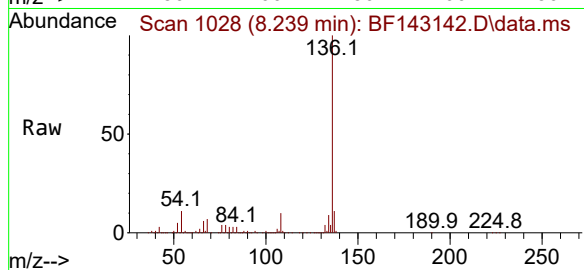
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.7 8.2 12.2

68 6.8 5.4 8.2



#22

Acetophenone

Concen: 10.645 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:105 Resp: 137532

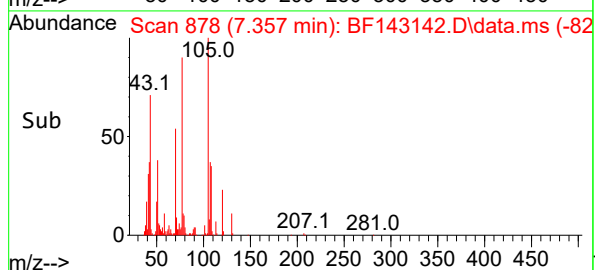
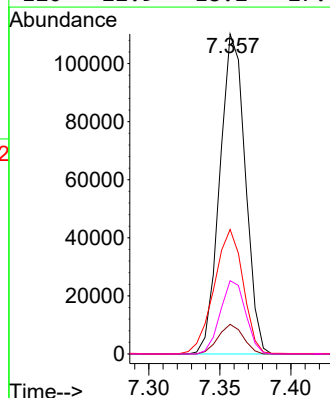
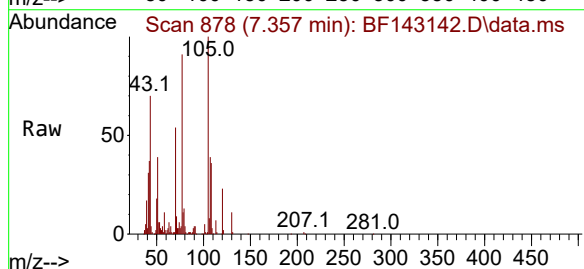
Ion Ratio Lower Upper

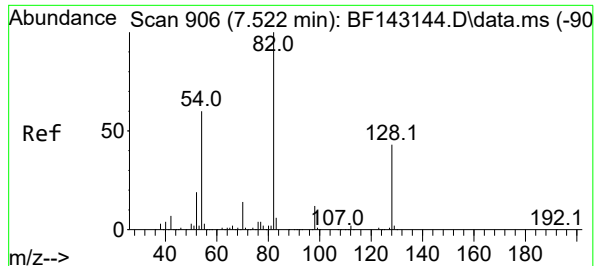
105 100

71 9.3 5.8 8.6#

51 38.9 30.2 45.2

120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 19.646 ng m

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143142.D

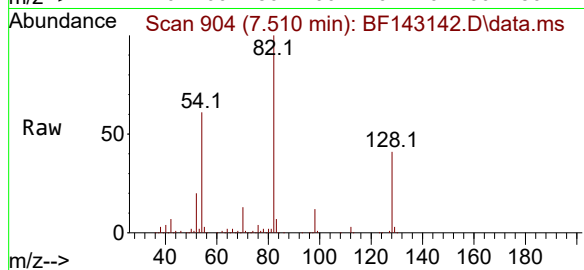
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



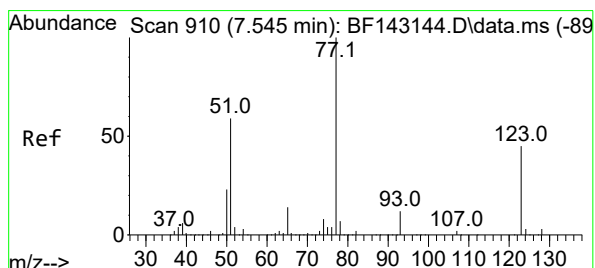
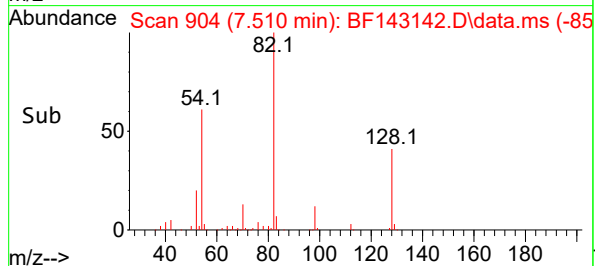
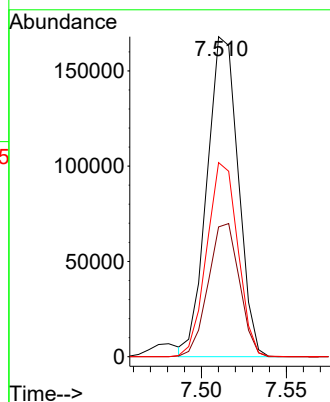
Tgt Ion: 82 Resp: 215086

Ion Ratio Lower Upper

82 100

128 40.5 33.6 50.4

54 60.7 47.1 70.7



#24

Nitrobenzene

Concen: 9.879 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

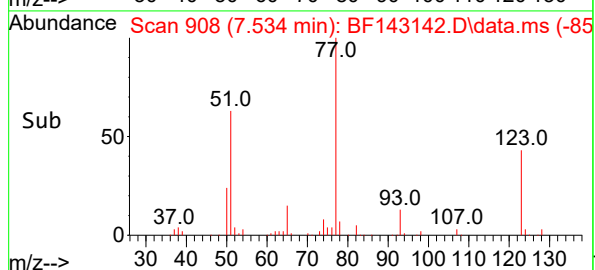
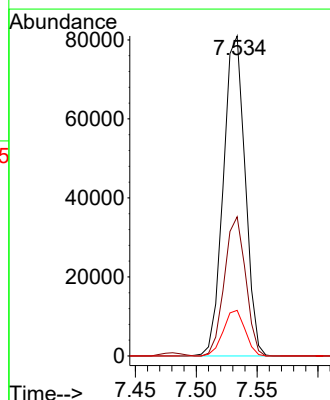
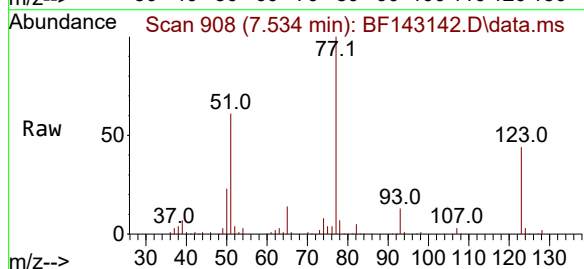
Tgt Ion: 77 Resp: 100837

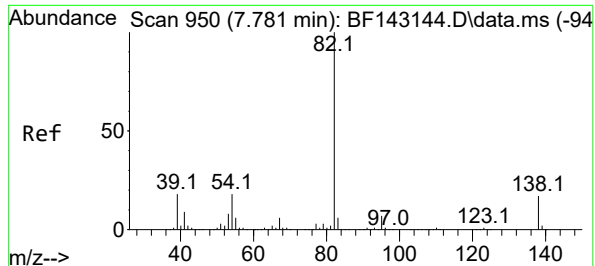
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

65 14.2 11.4 17.2

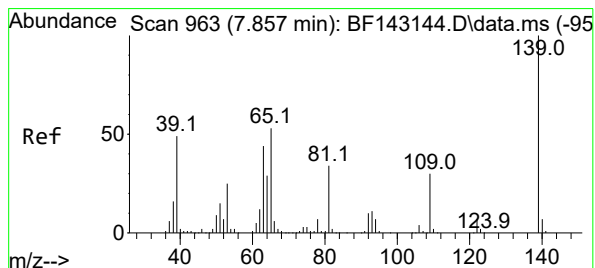
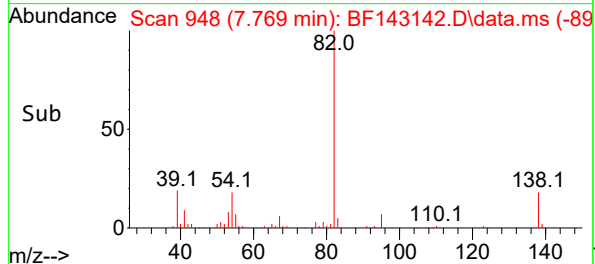
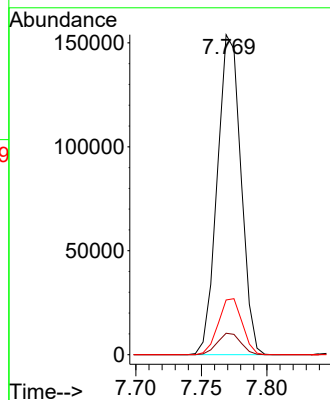
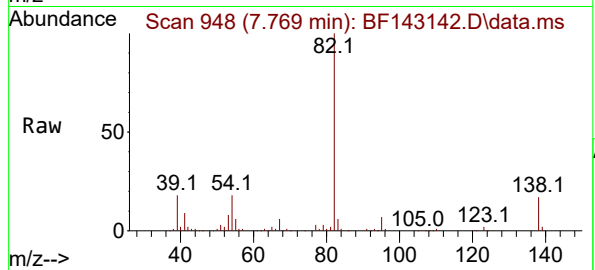




#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

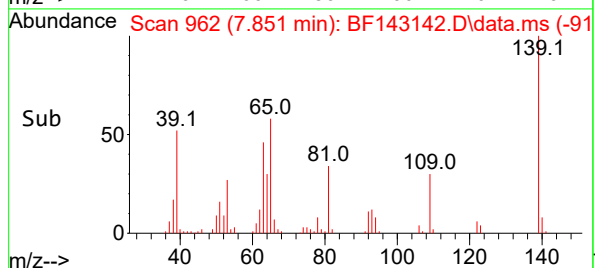
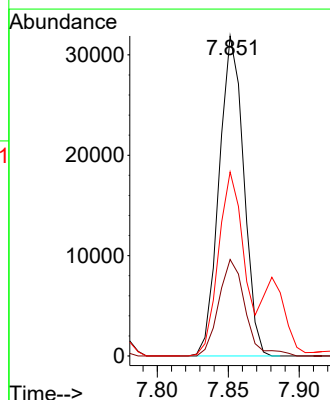
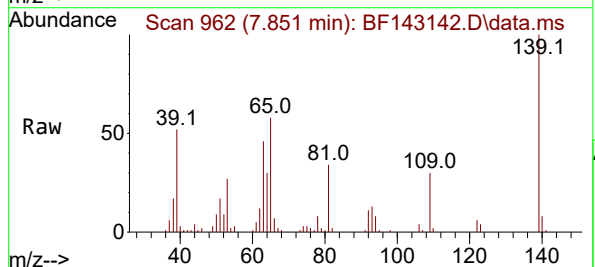
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

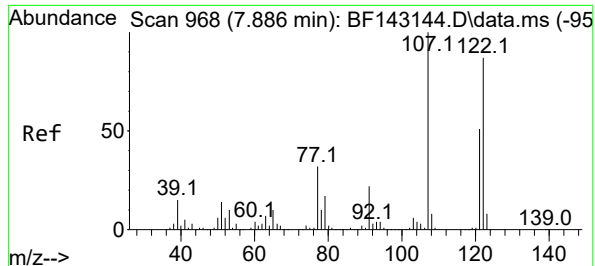
Tgt Ion: 82 Resp: 192895
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 13.8 20.8



#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 139 Resp: 38451
Ion Ratio Lower Upper
139 100
109 30.2 23.6 35.4
65 57.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 10.269 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

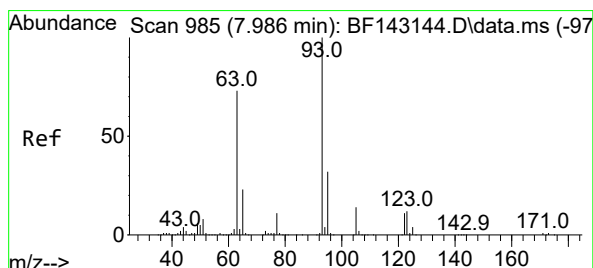
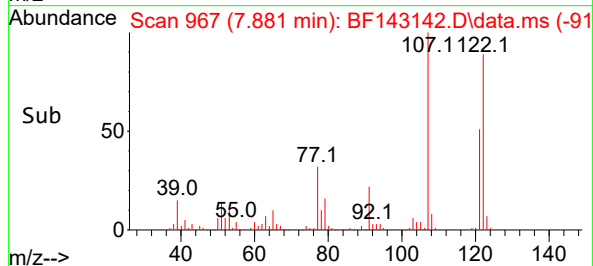
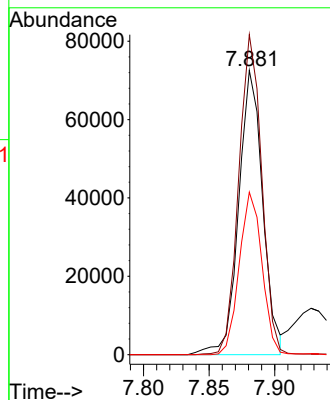
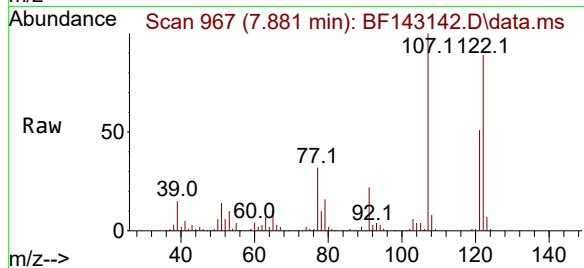
Tgt Ion:122 Resp: 92724

Ion Ratio Lower Upper

122 100

107 112.6 91.8 137.6

121 57.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 10.297 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

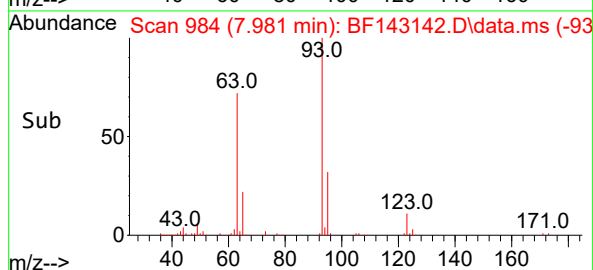
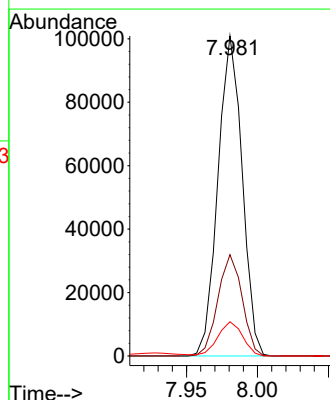
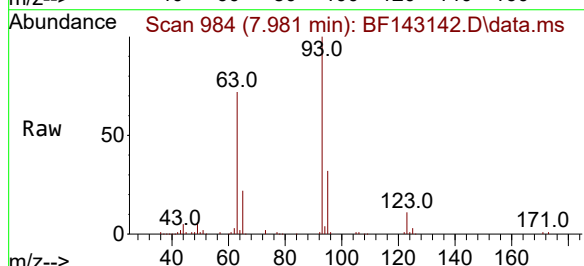
Tgt Ion: 93 Resp: 119320

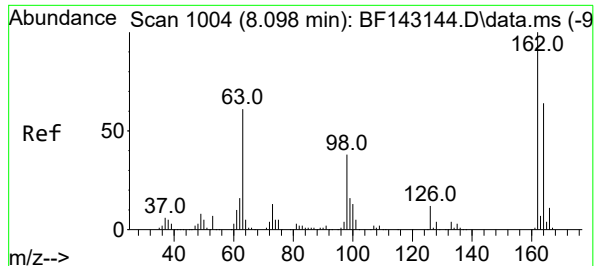
Ion Ratio Lower Upper

93 100

95 31.7 25.8 38.6

123 10.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 10.091 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

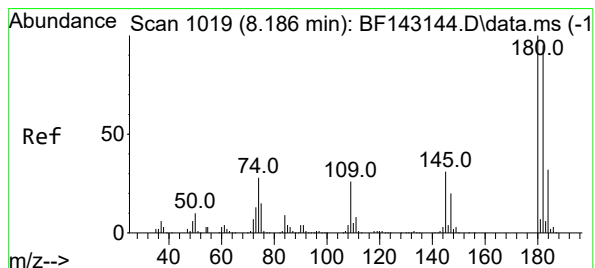
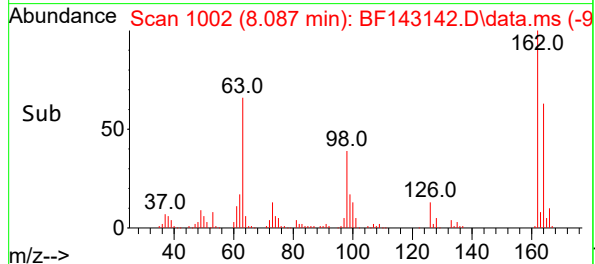
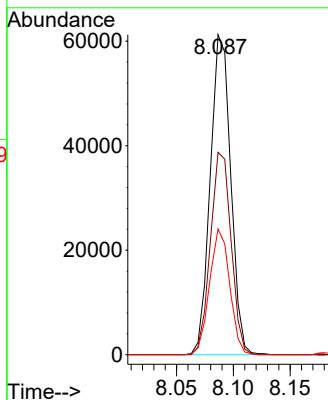
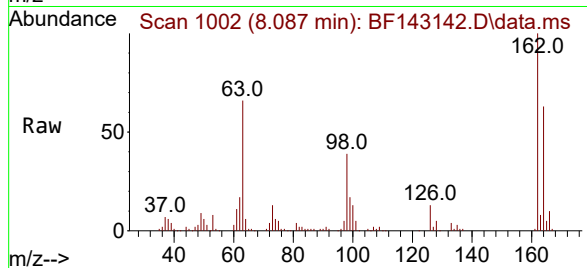
Tgt Ion:162 Resp: 76847

Ion Ratio Lower Upper

162 100

164 63.3 44.2 84.2

98 39.2 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 10.191 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

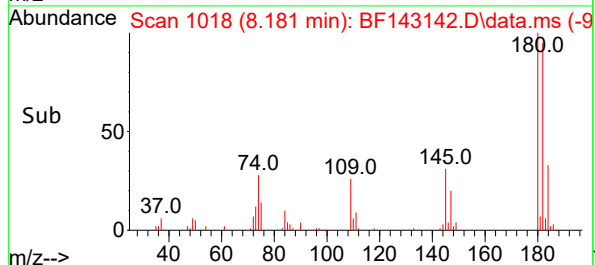
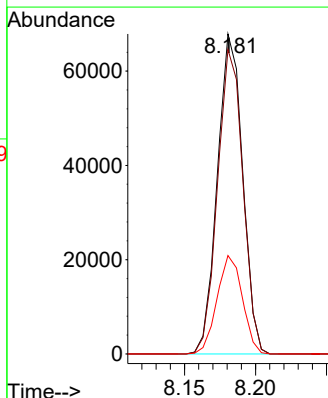
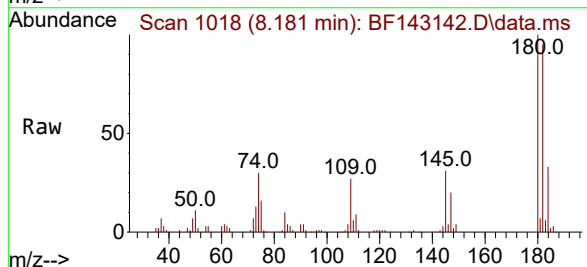
Tgt Ion:180 Resp: 83842

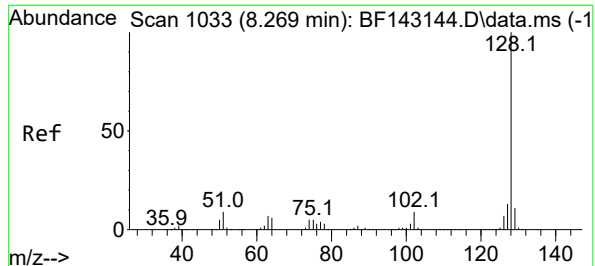
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 30.7 25.0 37.6





#31

Naphthalene

Concen: 10.534 ng

RT: 8.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

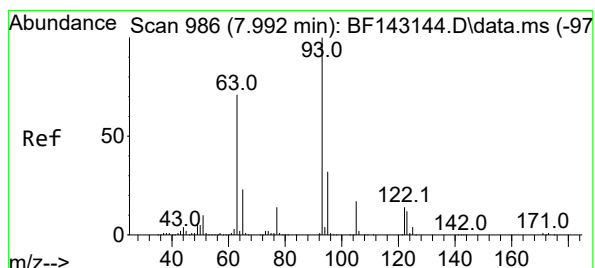
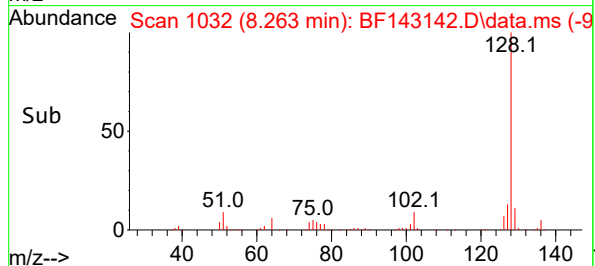
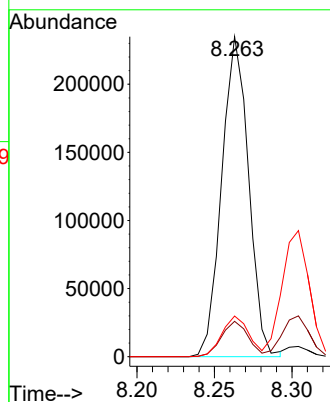
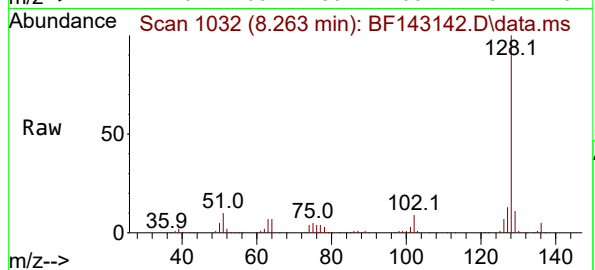
Tgt Ion:128 Resp: 283107

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

127 12.7 10.6 16.0



#32

Benzoic acid

Concen: 10.113 ng m

RT: 7.928 min Scan# 975

Delta R.T. -0.064 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

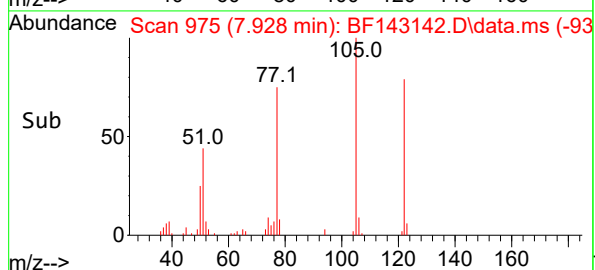
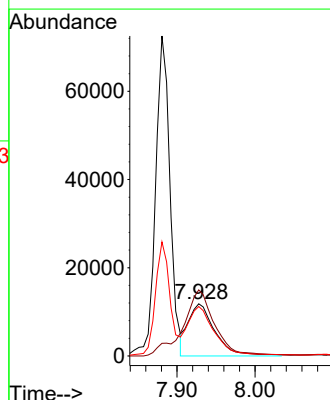
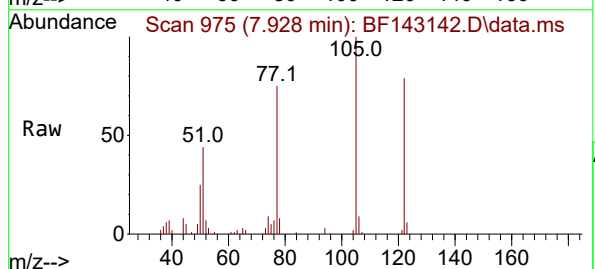
Tgt Ion:122 Resp: 28431

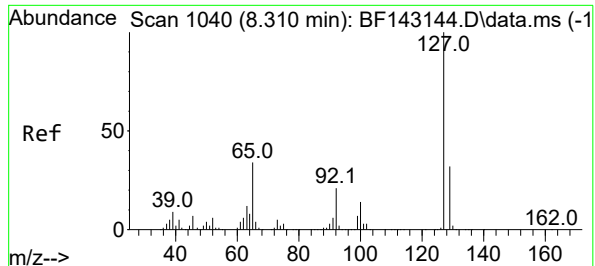
Ion Ratio Lower Upper

122 100

105 126.6 104.8 144.8

77 94.6 77.6 117.6





#33

4-Chloroaniline

Concen: 10.369 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 113797

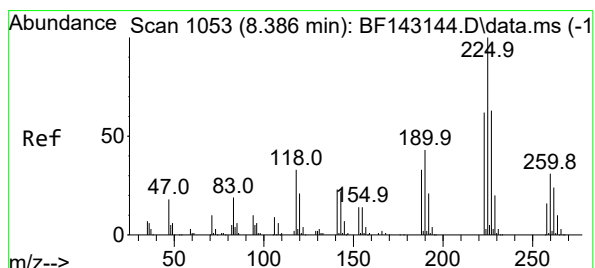
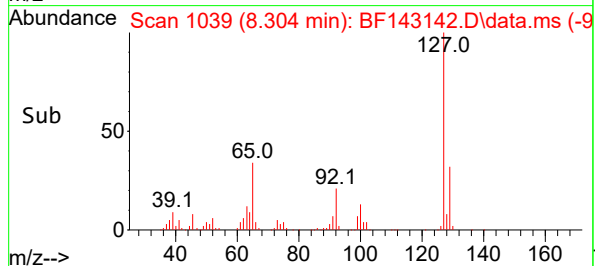
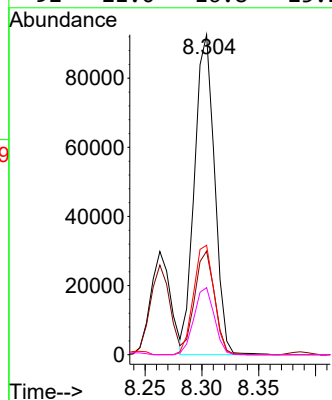
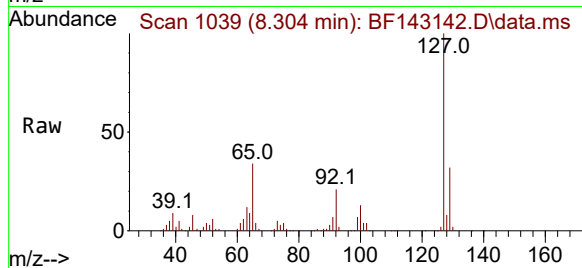
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 34.2 27.4 41.2

92 21.0 16.8 25.2



#34

Hexachlorobutadiene

Concen: 10.290 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

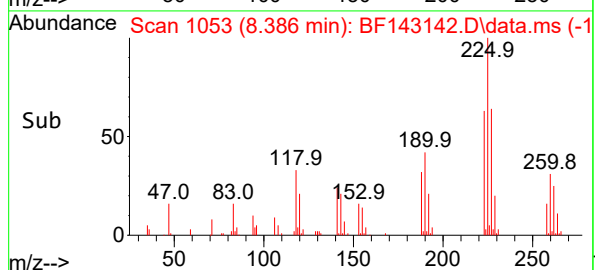
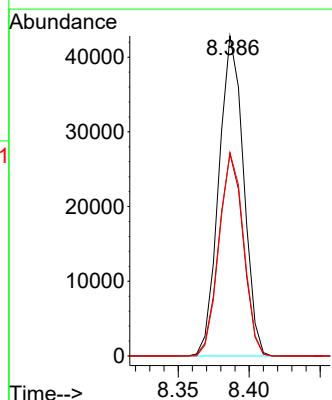
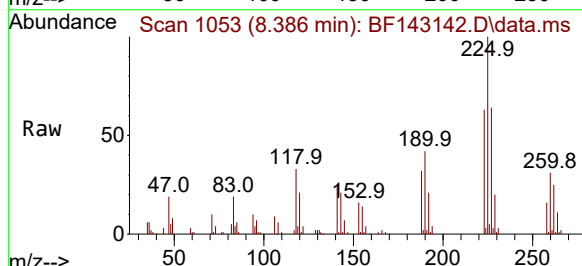
Tgt Ion:225 Resp: 51715

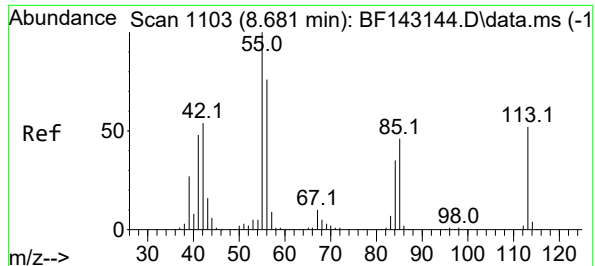
Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.6

227 63.5 50.2 75.4





#35

Caprolactam

Concen: 9.194 ng

RT: 8.634 min Scan# 1103

Delta R.T. -0.047 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

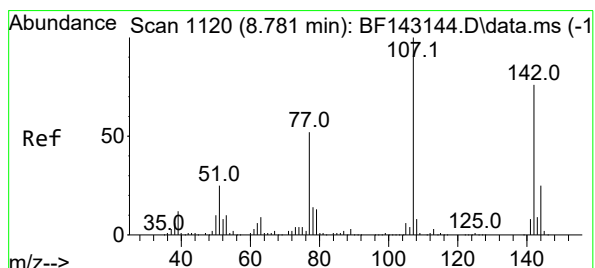
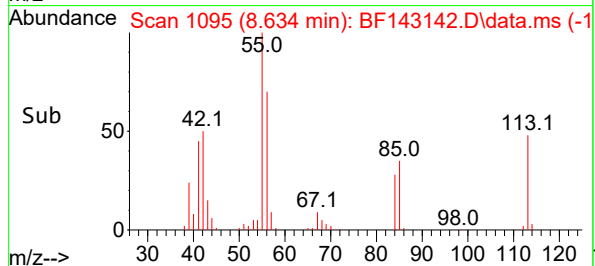
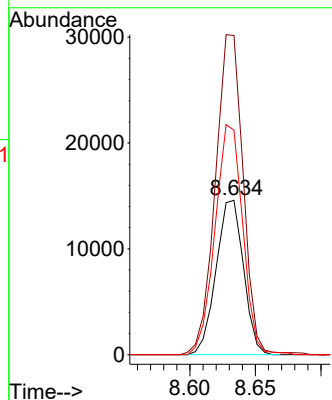
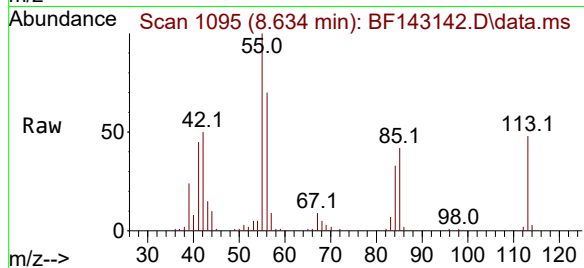
Tgt Ion:113 Resp: 21157

Ion Ratio Lower Upper

113 100

55 206.8 174.0 214.0

56 145.4 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 10.227 ng

RT: 8.775 min Scan# 1119

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

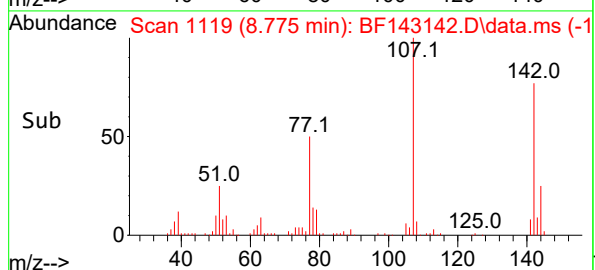
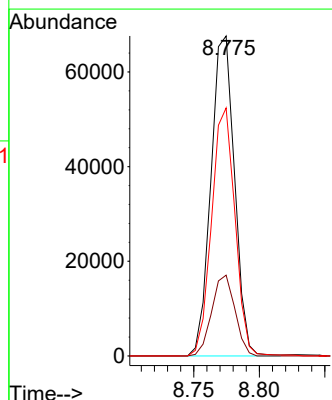
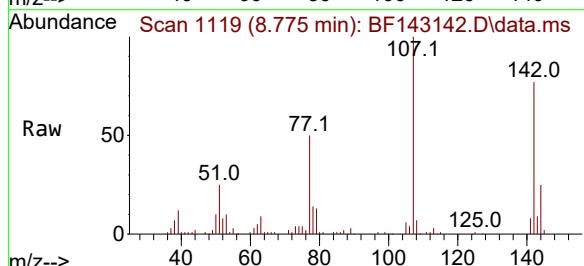
Tgt Ion:107 Resp: 84647

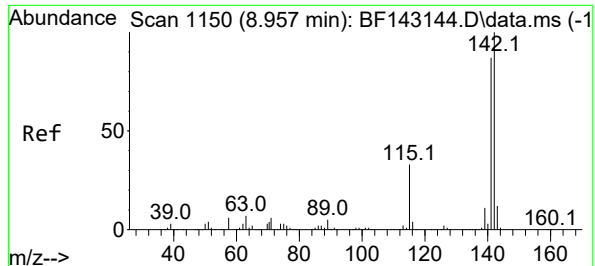
Ion Ratio Lower Upper

107 100

144 25.3 19.8 29.6

142 77.5 60.6 90.8





#37

2-Methylnaphthalene

Concen: 10.570 ng

RT: 8.951 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

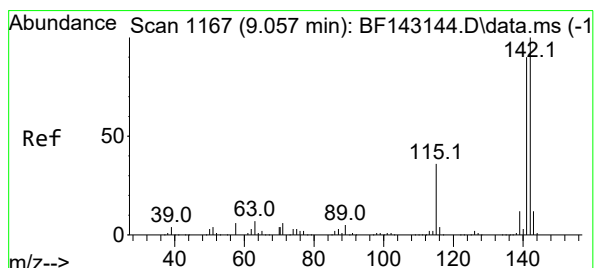
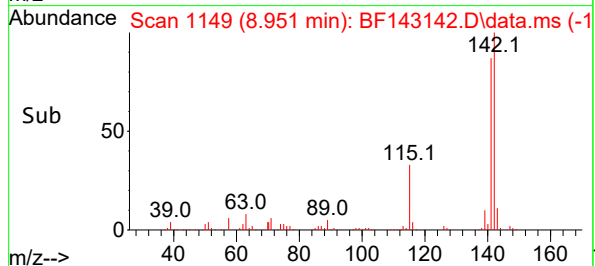
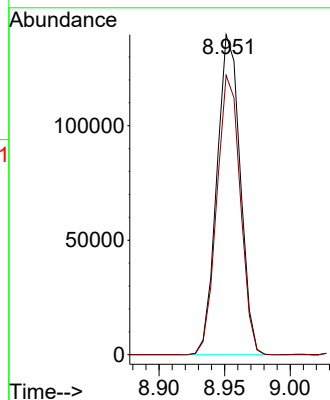
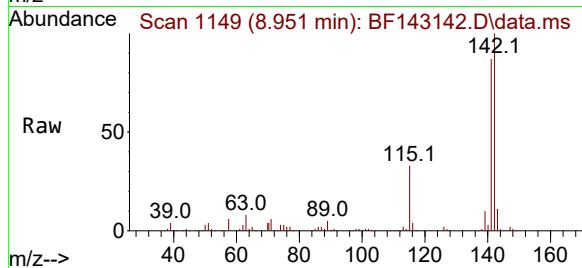
SSTDICC010

Tgt Ion:142 Resp: 172865

Ion Ratio Lower Upper

142 100

141 87.3 69.9 104.9



#38

1-Methylnaphthalene

Concen: 10.564 ng

RT: 9.051 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF143142.D

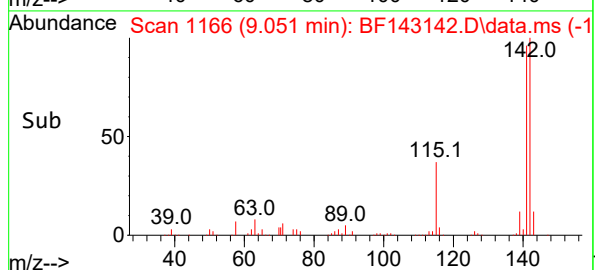
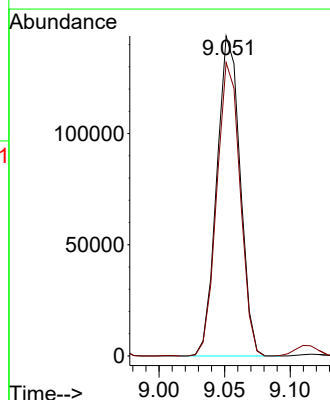
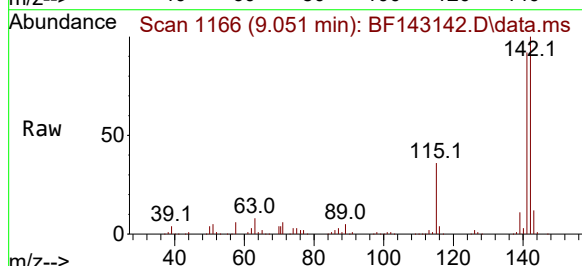
Acq: 17 Jul 2025 12:04

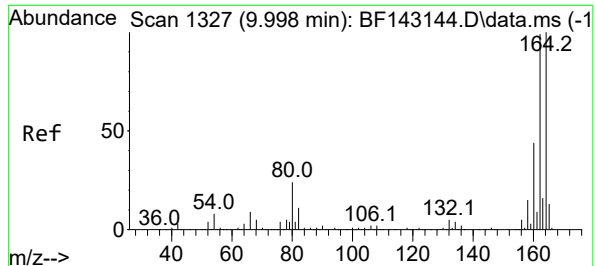
Tgt Ion:142 Resp: 177917

Ion Ratio Lower Upper

142 100

141 91.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

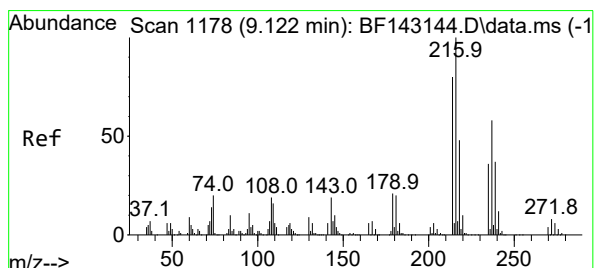
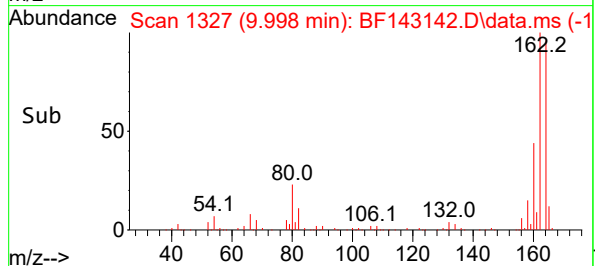
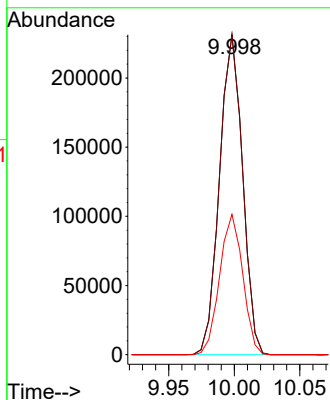
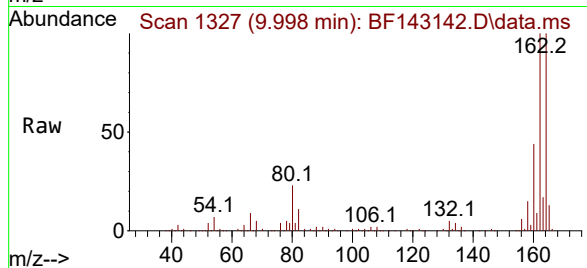
Tgt Ion:164 Resp: 282580

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.357 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:216 Resp: 84494

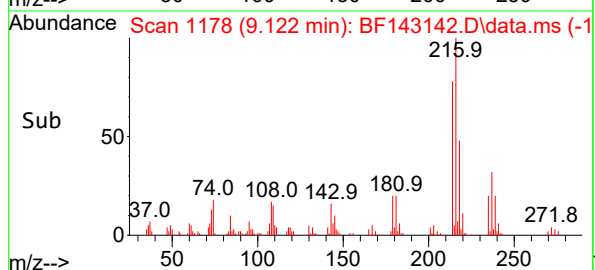
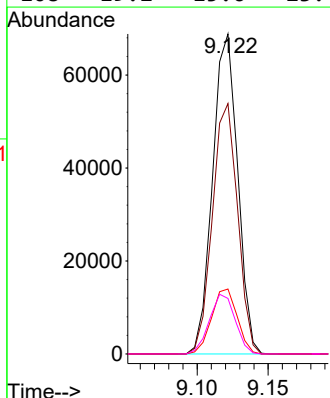
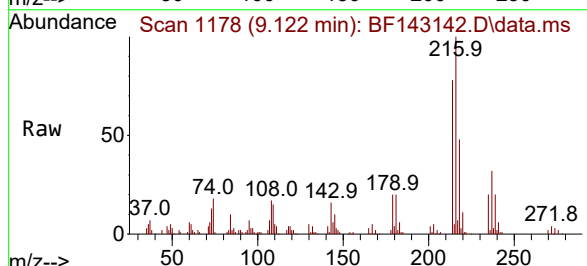
Ion Ratio Lower Upper

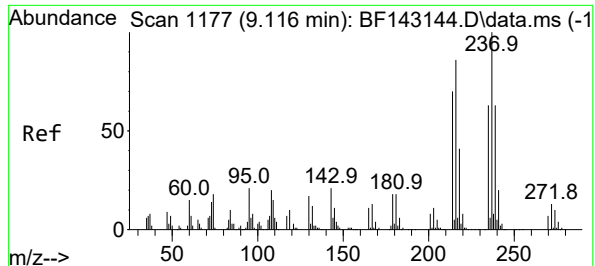
216 100

214 78.6 63.8 95.8

179 20.8 16.4 24.6

108 19.2 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 8.963 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

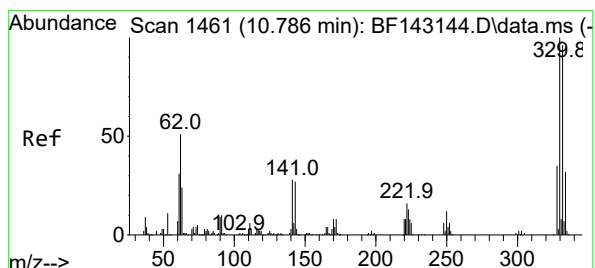
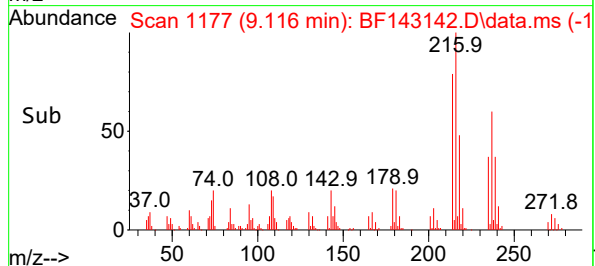
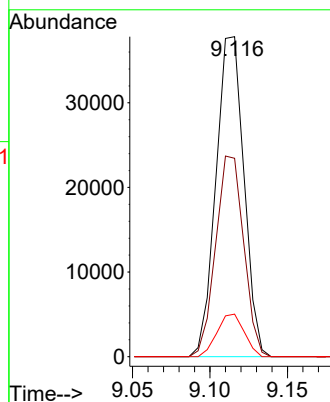
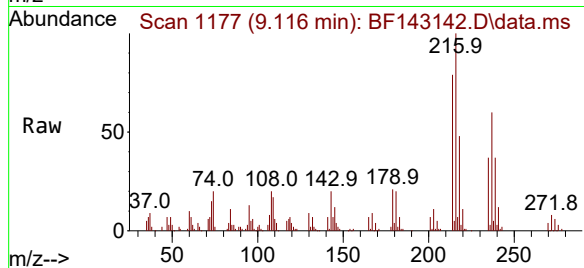
Tgt Ion:237 Resp: 47577

Ion Ratio Lower Upper

237 100

235 62.0 43.0 83.0

272 13.3 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 19.512 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

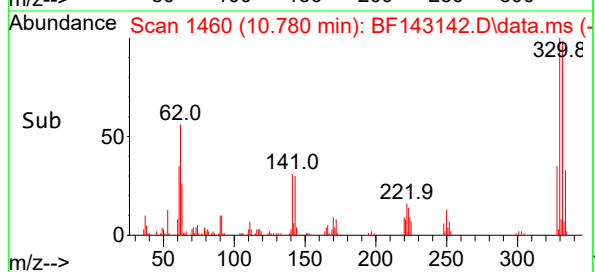
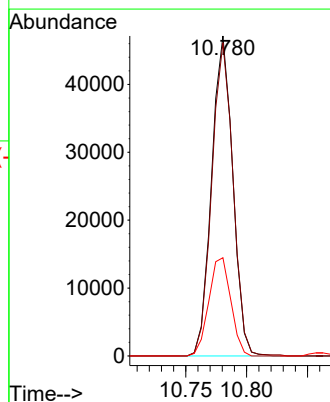
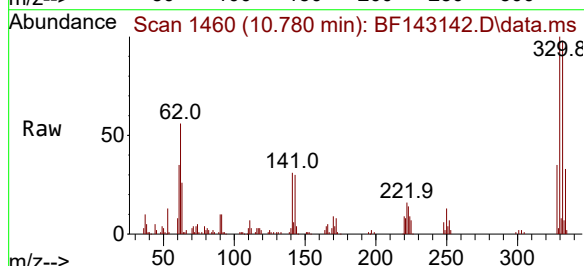
Tgt Ion:330 Resp: 56961

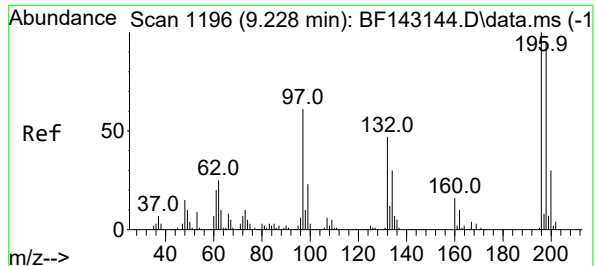
Ion Ratio Lower Upper

330 100

332 98.3 76.7 115.1

141 32.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 10.165 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

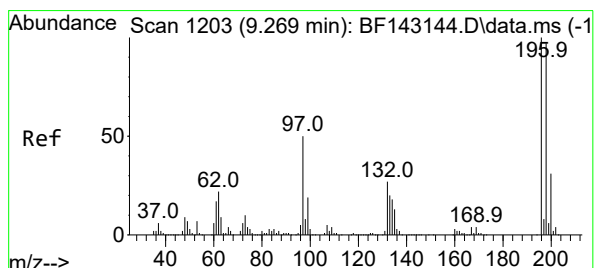
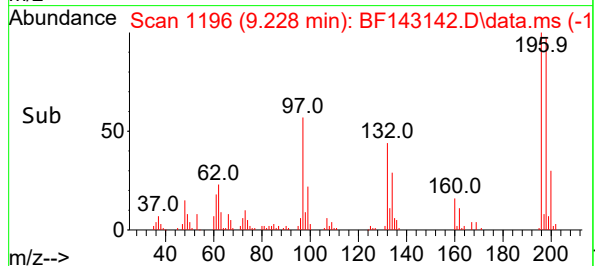
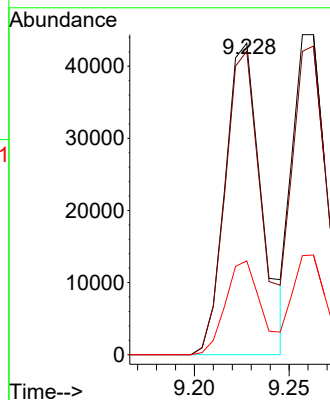
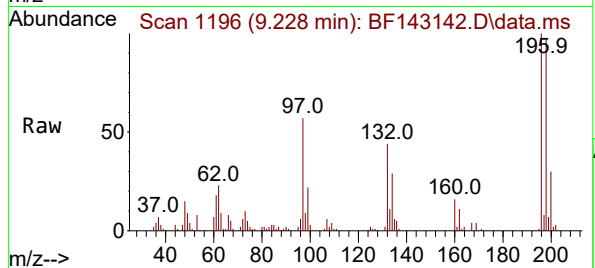
Tgt Ion:196 Resp: 57396

Ion Ratio Lower Upper

196 100

198 97.4 76.2 114.2

200 30.1 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 9.688 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:196 Resp: 54716

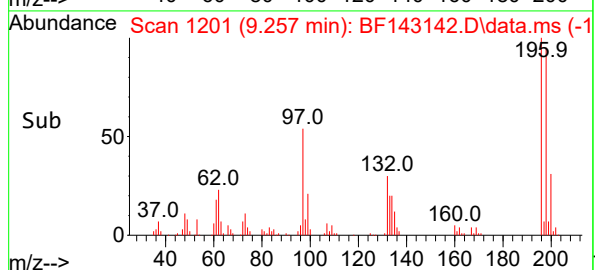
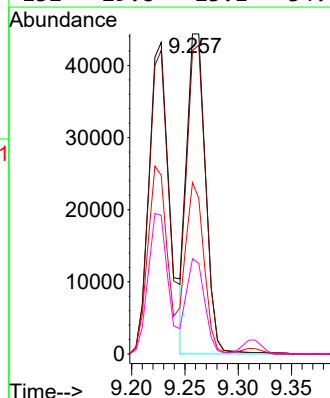
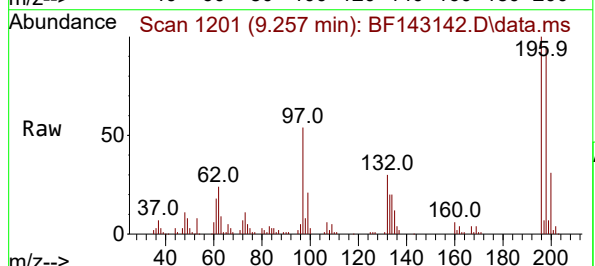
Ion Ratio Lower Upper

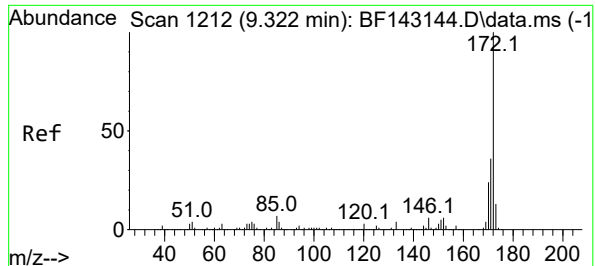
196 100

198 94.8 77.3 115.9

97 53.5 40.3 60.5

132 29.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 22.489 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

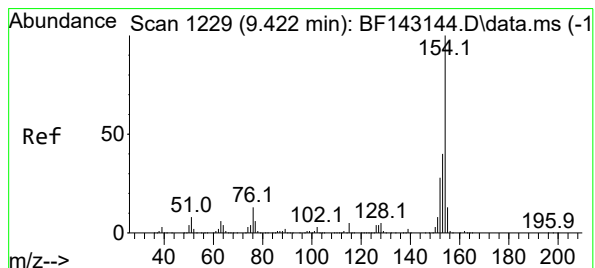
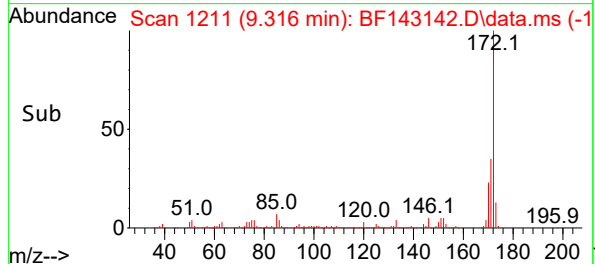
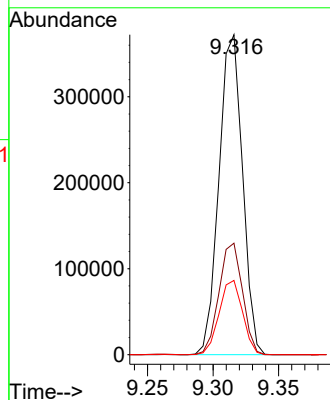
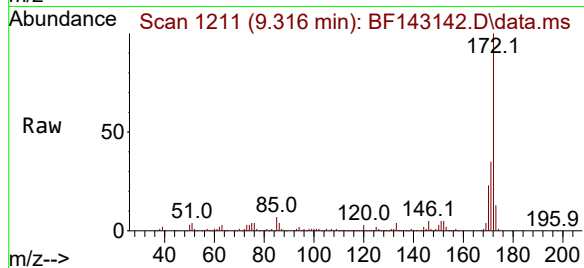
Tgt Ion:172 Resp: 464669

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 10.680 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

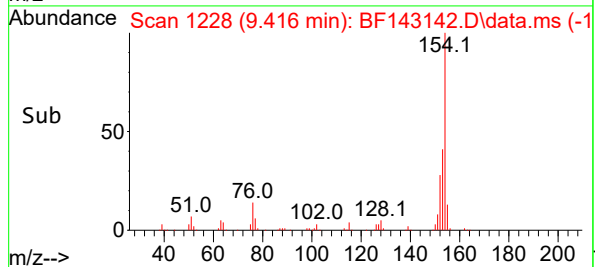
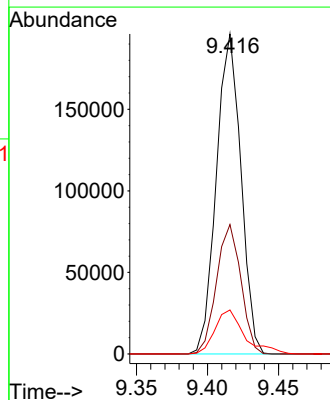
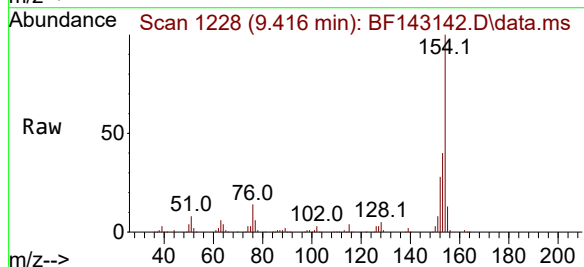
Tgt Ion:154 Resp: 235467

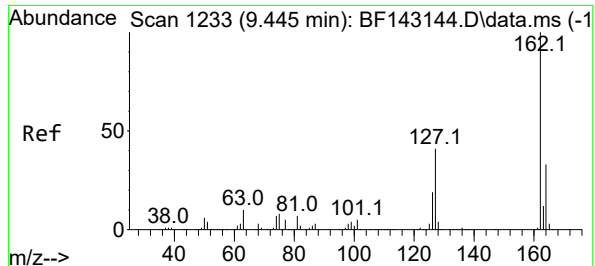
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 10.595 ng

RT: 9.439 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

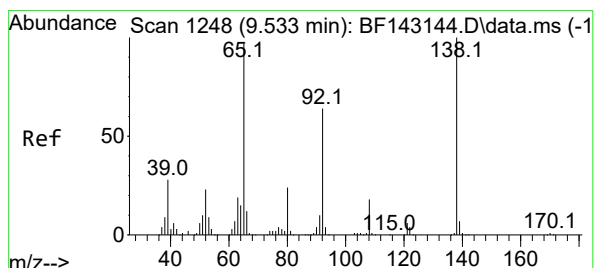
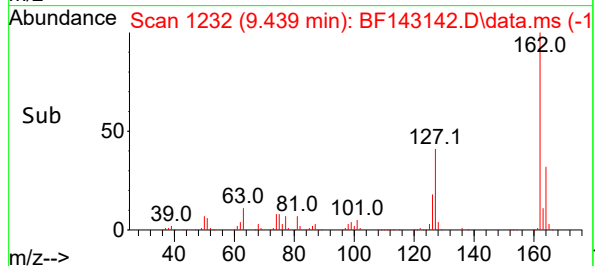
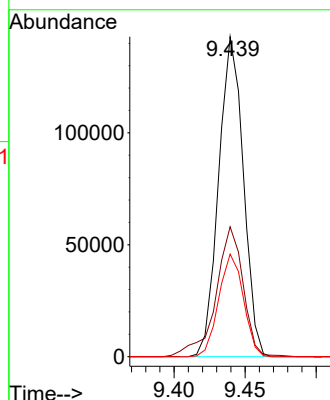
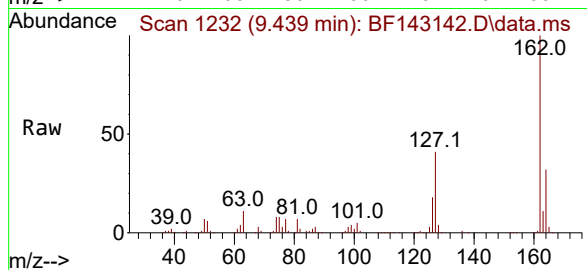
Tgt Ion:162 Resp: 172831

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

164 32.0 26.2 39.2



#48

2-Nitroaniline

Concen: 9.198 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

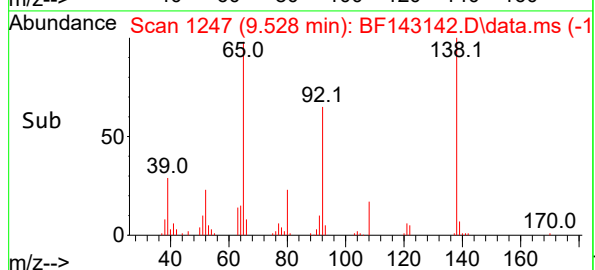
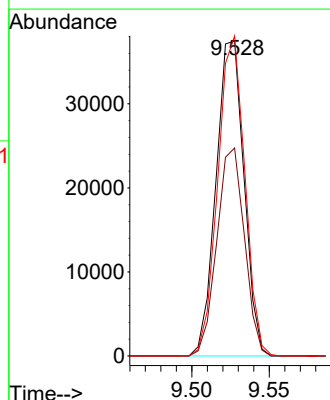
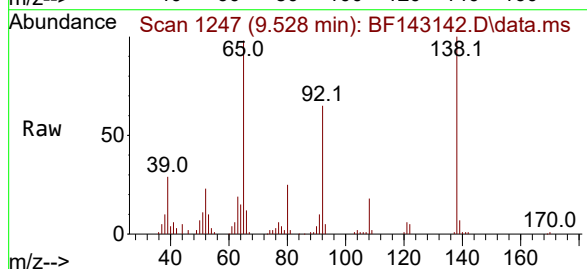
Tgt Ion: 65 Resp: 47055

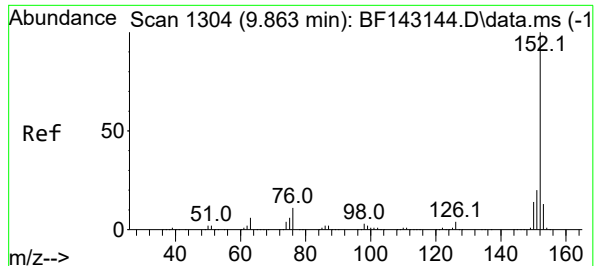
Ion Ratio Lower Upper

65 100

92 66.0 52.4 78.6

138 101.6 82.3 123.5





#49

Acenaphthylene

Concen: 10.607 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

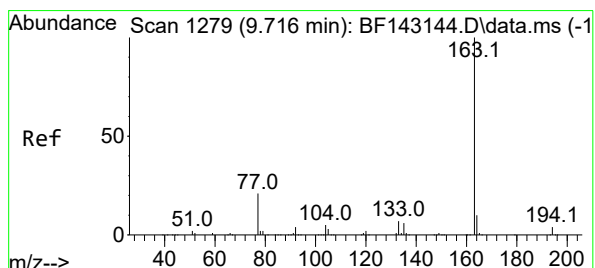
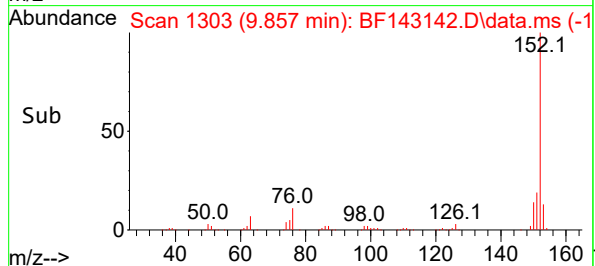
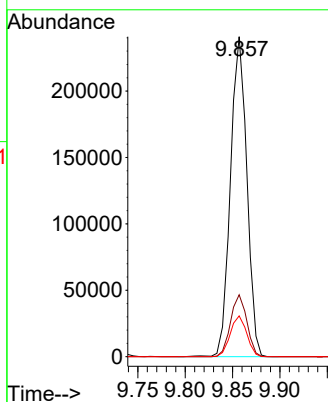
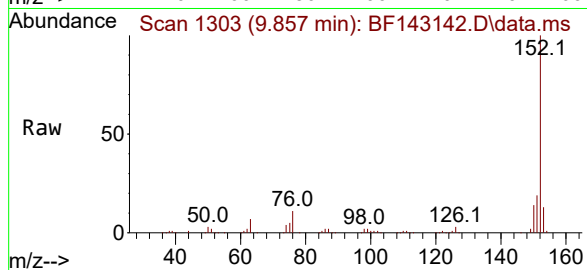
Tgt Ion:152 Resp: 289989

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.2

153 12.8 10.6 16.0



#50

Dimethylphthalate

Concen: 10.283 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

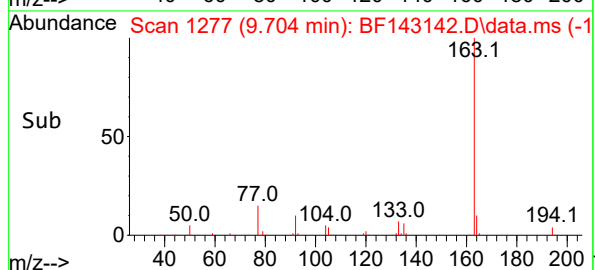
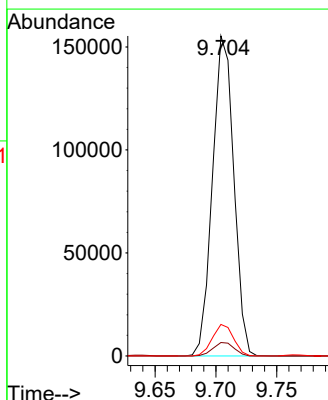
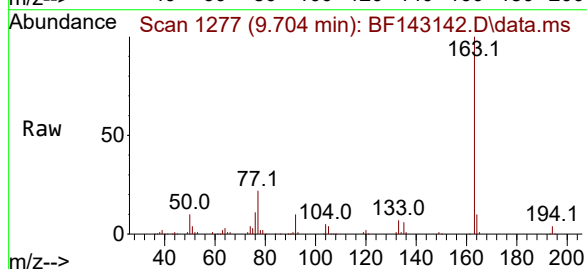
Tgt Ion:163 Resp: 189399

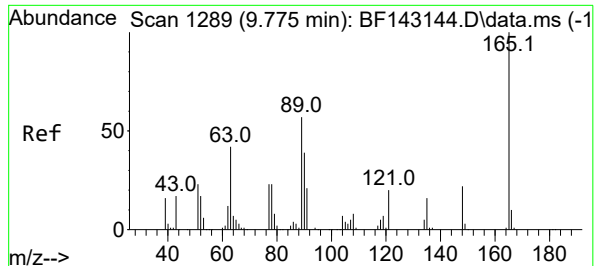
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 9.9 8.3 12.5

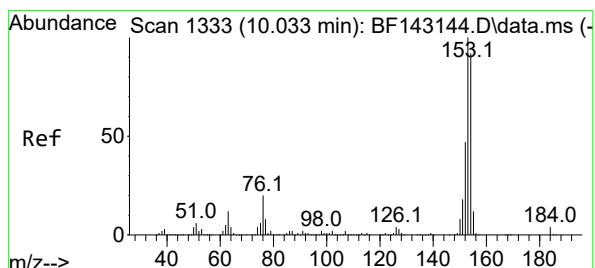
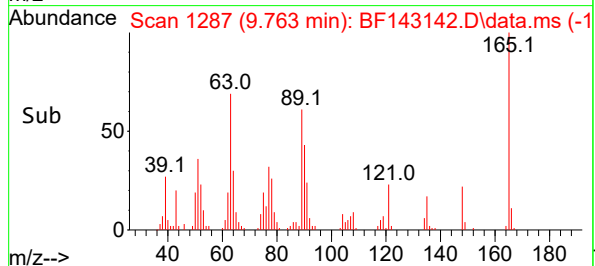
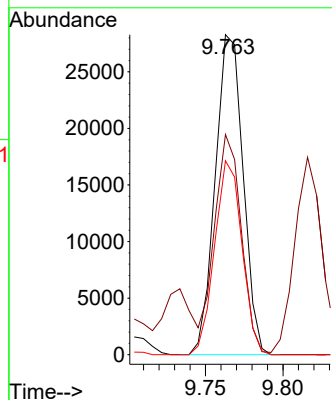
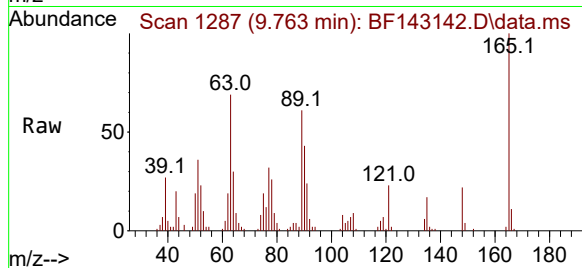




#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

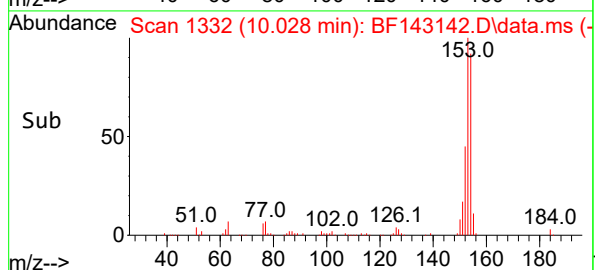
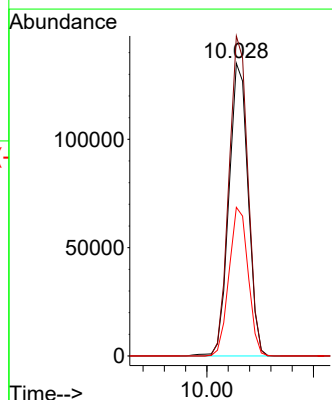
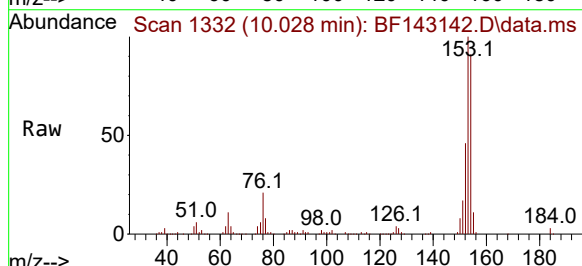
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

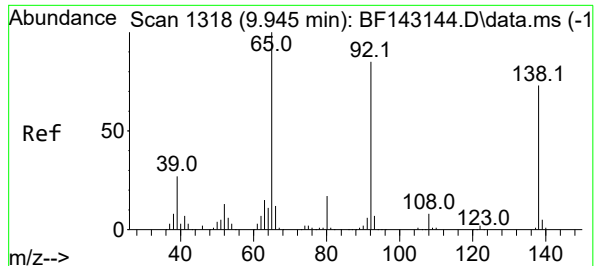
Tgt Ion:165 Resp: 35364
Ion Ratio Lower Upper
165 100
63 68.8 49.4 74.2
89 60.6 46.2 69.2



#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 168698
Ion Ratio Lower Upper
154 100
153 109.3 86.6 129.8
152 50.8 40.4 60.6

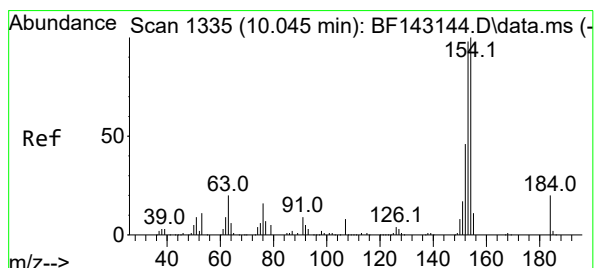
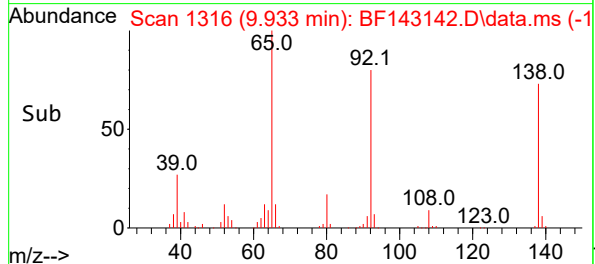
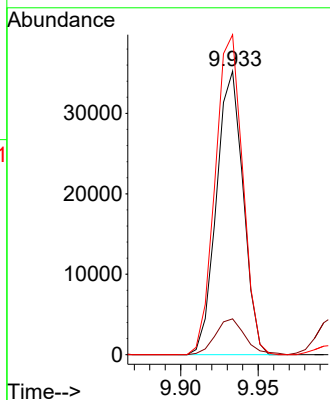
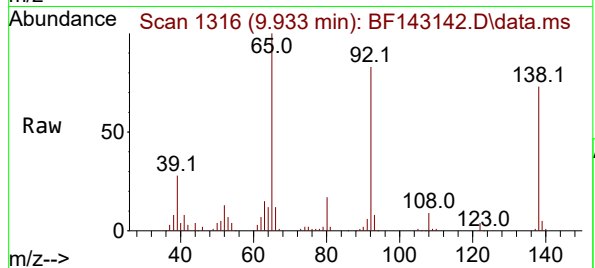




#53
3-Nitroaniline
Concen: 9.667 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

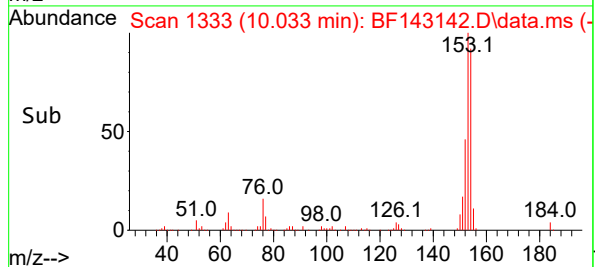
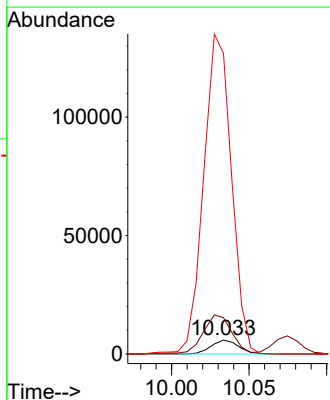
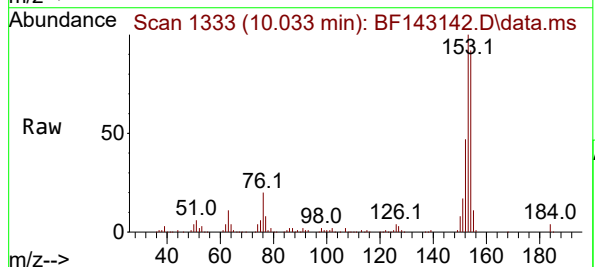
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

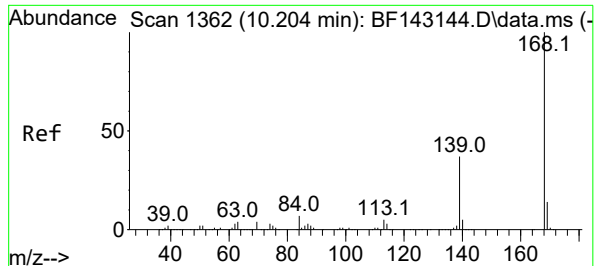
Tgt Ion:138 Resp: 42367
Ion Ratio Lower Upper
138 100
108 12.7 9.0 13.6
92 112.9 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:184 Resp: 7147
Ion Ratio Lower Upper
184 100
63 261.5 81.8 122.6#
154 2164.9 412.2 618.4#





#55

Dibenzenofuran

Concen: 10.641 ng

RT: 10.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

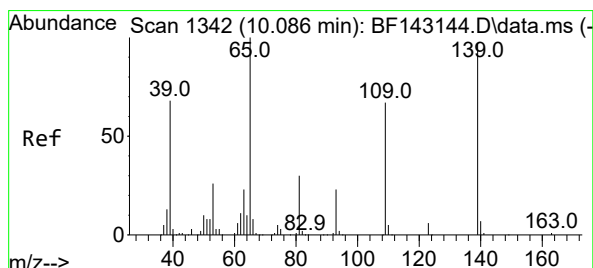
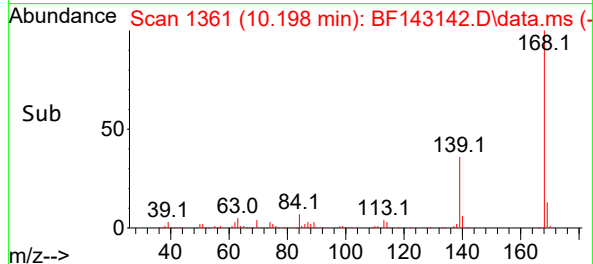
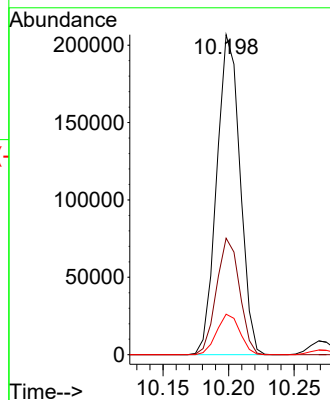
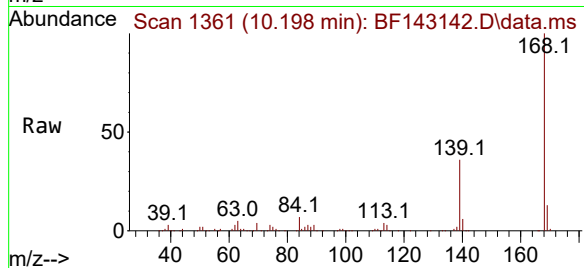
Tgt Ion:168 Resp: 255272

Ion Ratio Lower Upper

168 100

139 36.4 29.5 44.3

169 12.7 10.9 16.3



#56

4-Nitrophenol

Concen: 8.627 ng

RT: 10.075 min Scan# 1340

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

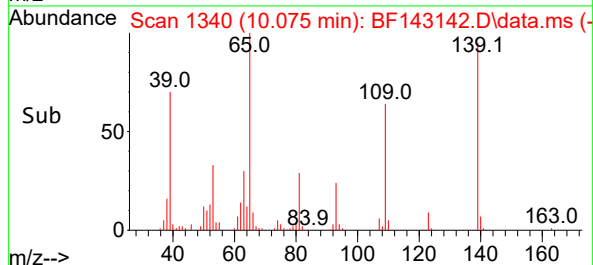
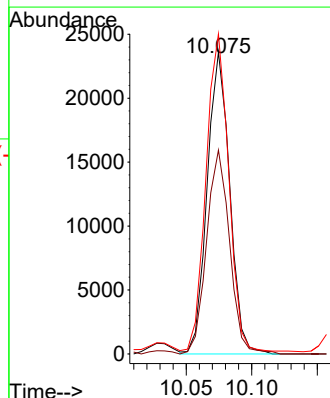
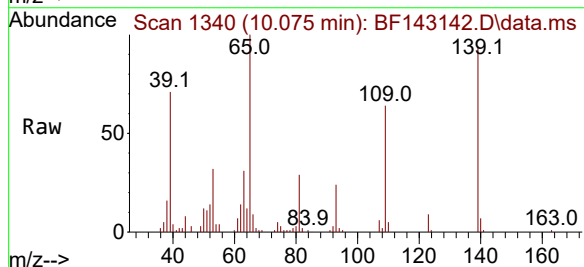
Tgt Ion:139 Resp: 28233

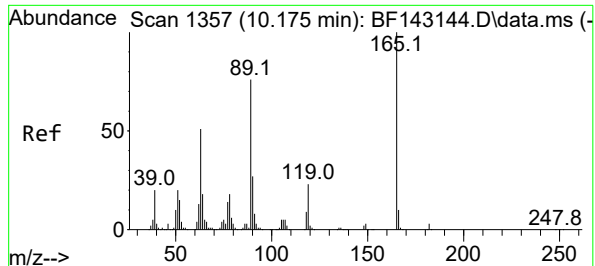
Ion Ratio Lower Upper

139 100

109 67.5 48.5 88.5

65 106.0 83.4 123.4

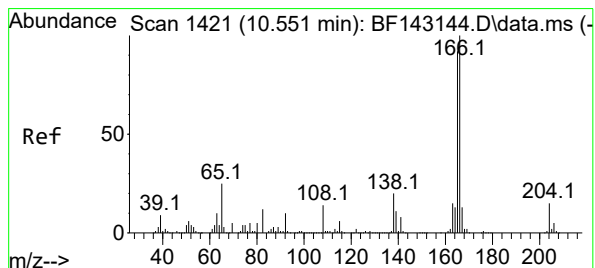
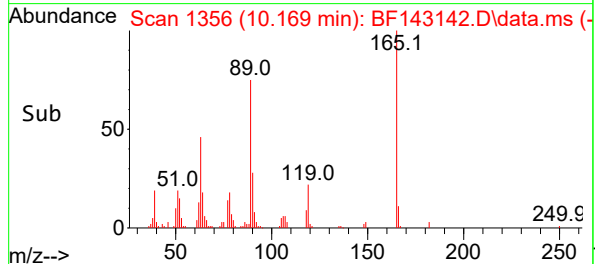
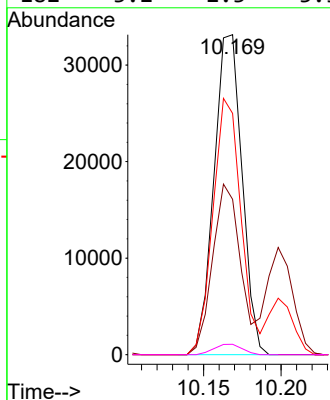
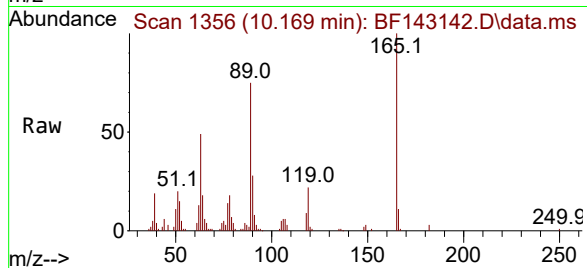




#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

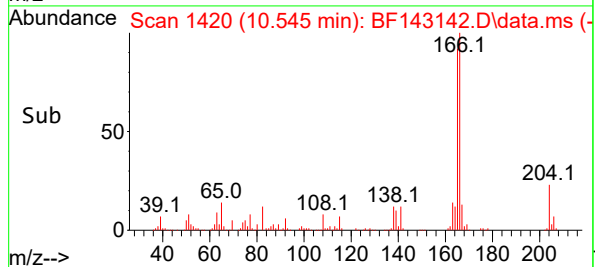
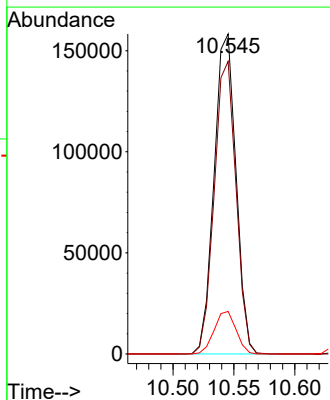
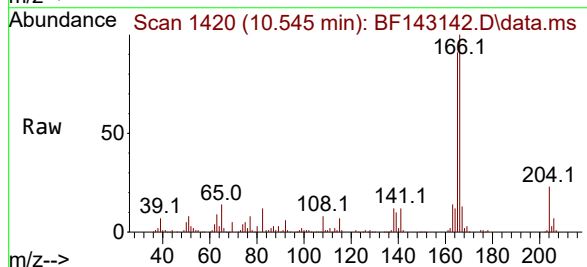
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

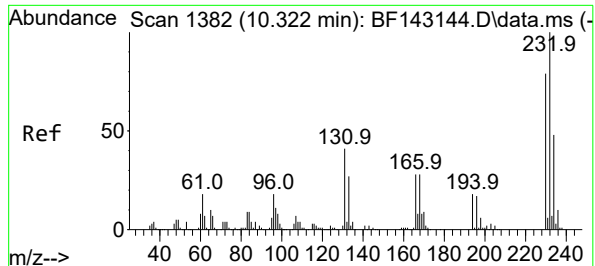
Tgt Ion	Ratio	Lower	Upper
165	100		
63	48.5	41.0	61.4
89	75.4	61.1	91.7
182	3.2	2.3	3.5



#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.7	110.5
167	13.3	10.6	16.0

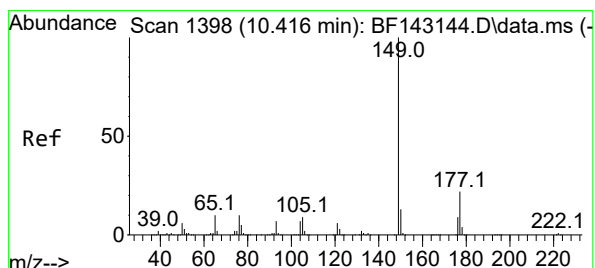
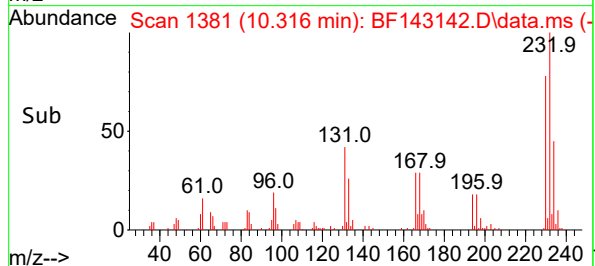
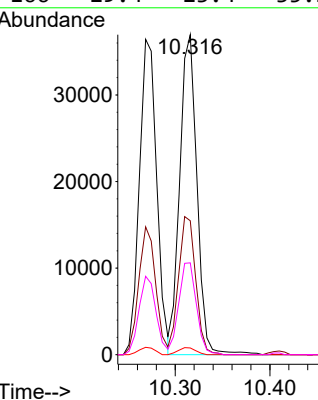
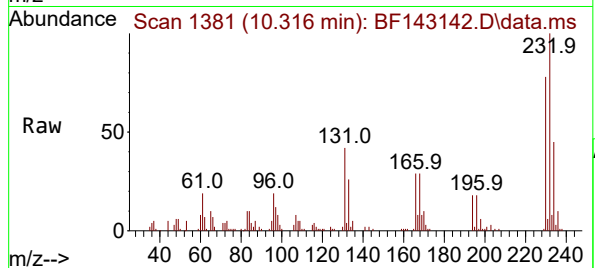




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

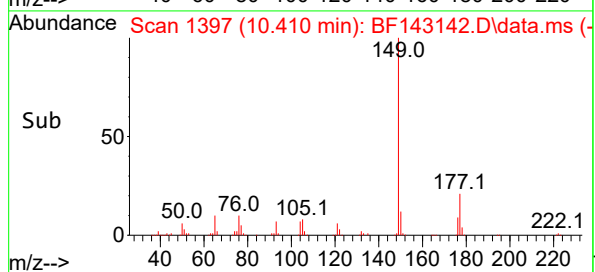
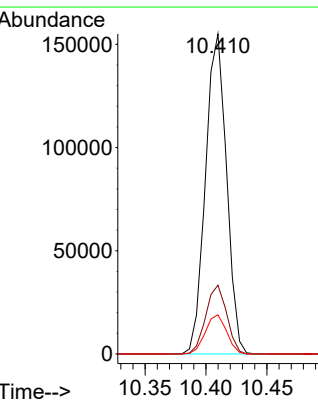
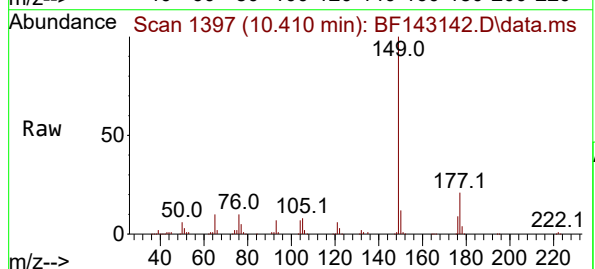
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

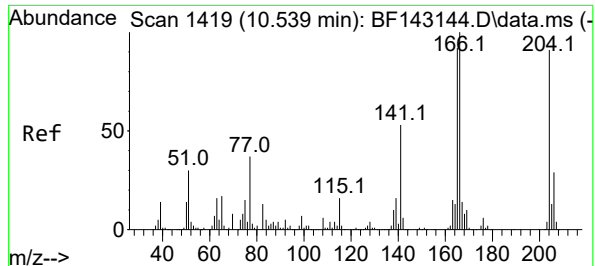
Tgt Ion:232 Resp: 46720
Ion Ratio Lower Upper
232 100
131 43.0 35.3 52.9
130 2.2 1.7 2.5
166 29.4 23.4 35.2



#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 186802
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.3 10.2 15.2

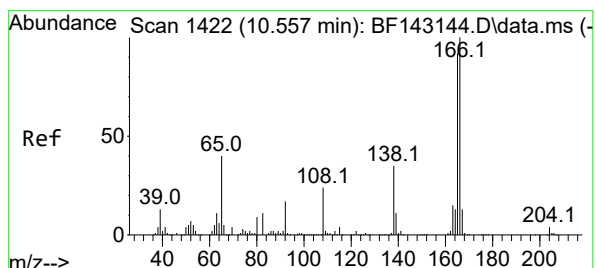
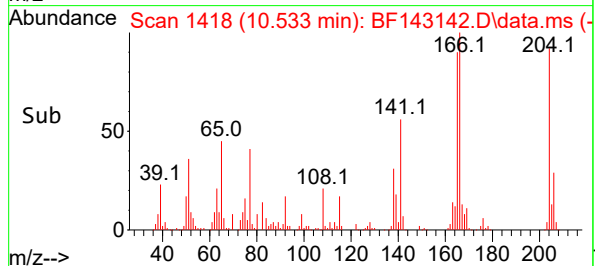
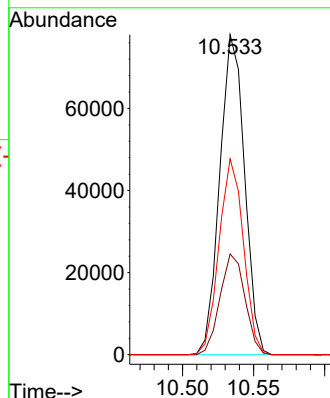
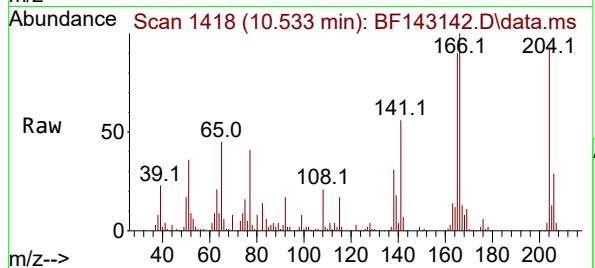




#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

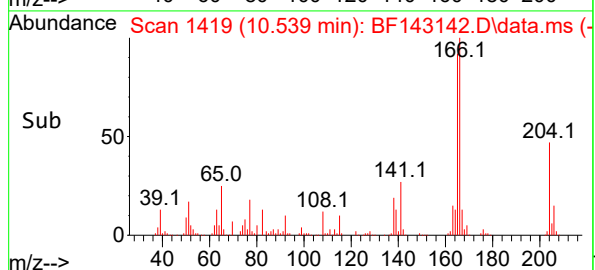
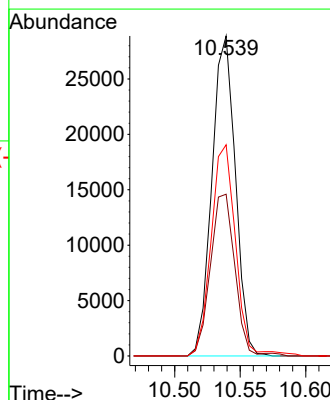
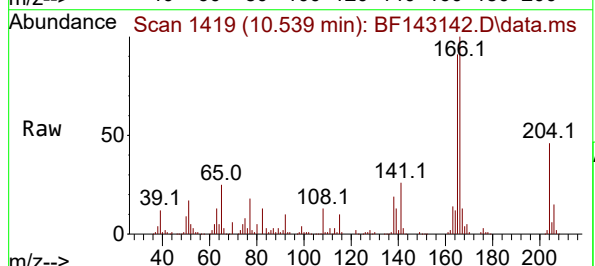
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

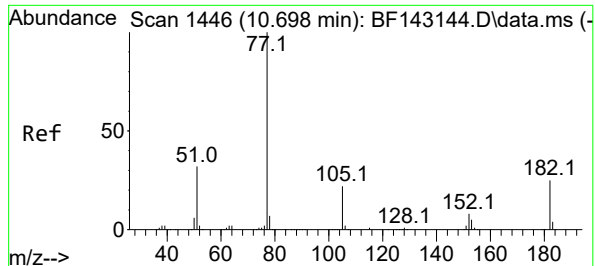
Tgt Ion:204 Resp: 94685
Ion Ratio Lower Upper
204 100
206 31.4 25.8 38.8
141 61.2 47.0 70.4



#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:138 Resp: 35962
Ion Ratio Lower Upper
138 100
92 50.5 29.3 69.3
108 66.0 48.3 88.3

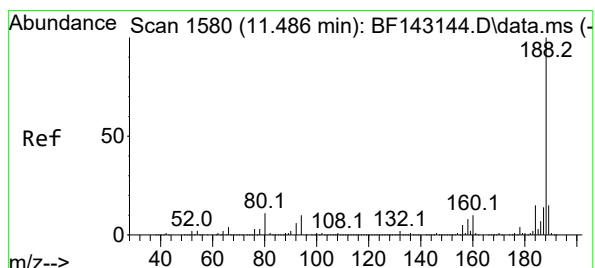
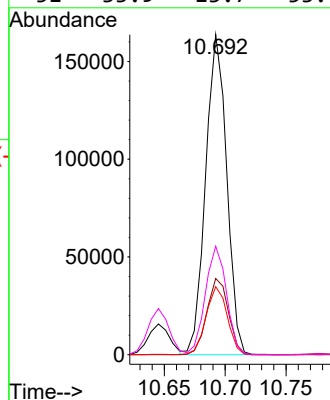
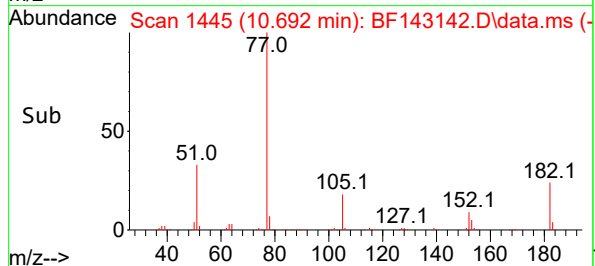
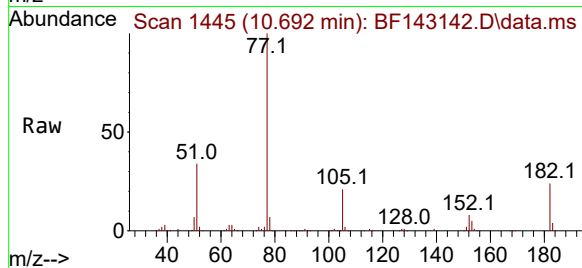




#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

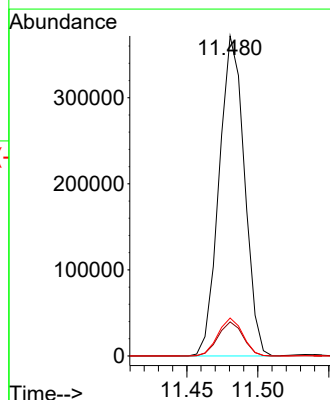
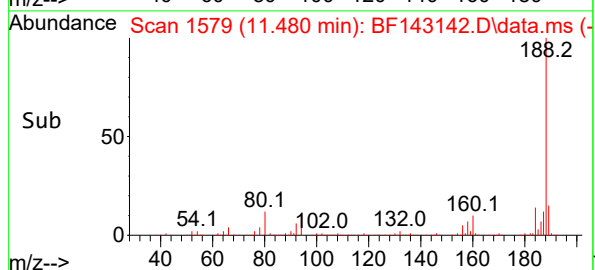
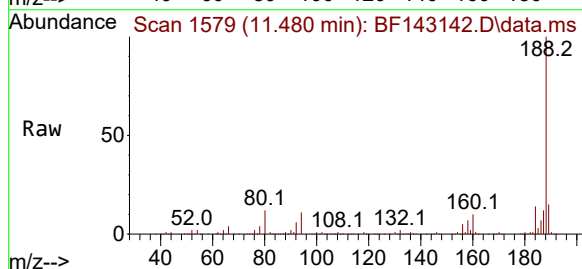
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

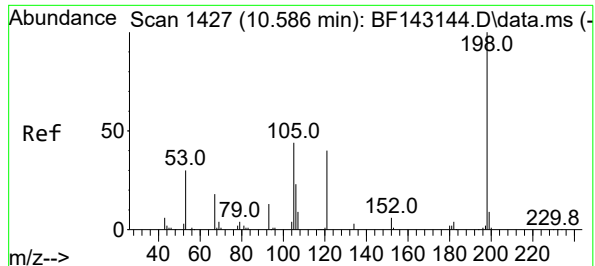
Tgt Ion:	77	Resp:	197998
Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.6	44.6
105	21.2	1.4	41.4
51	33.9	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:	188	Resp:	461255
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.8	9.0	13.6

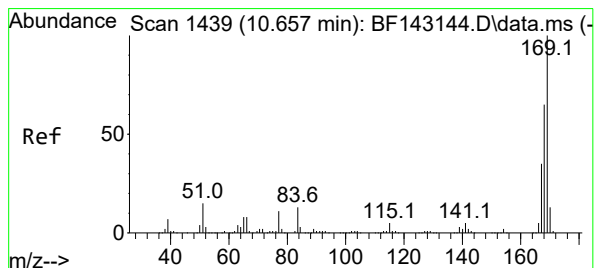
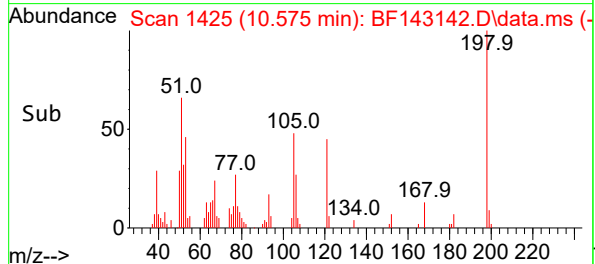
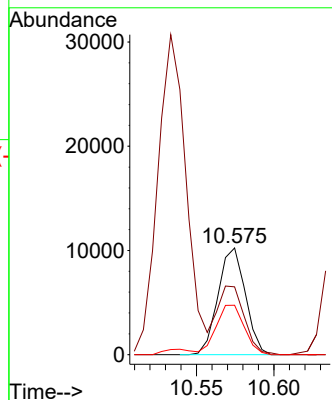
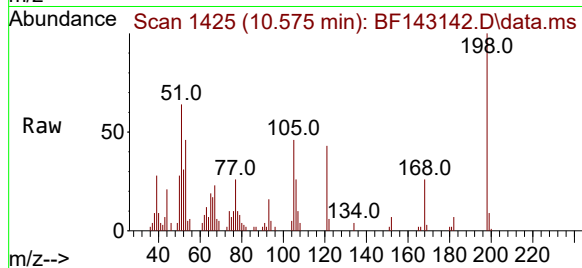




#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

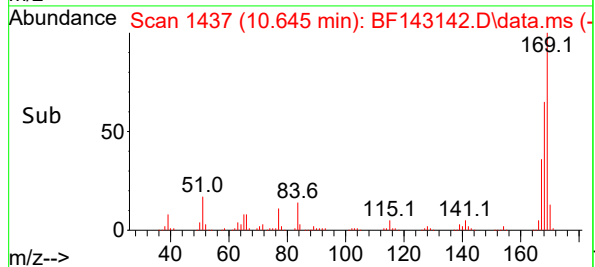
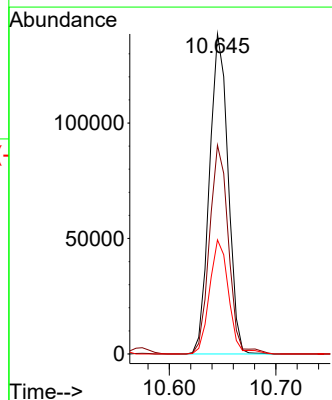
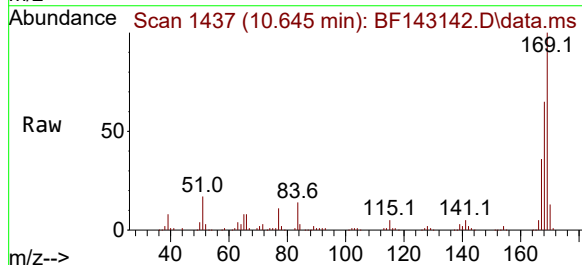
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

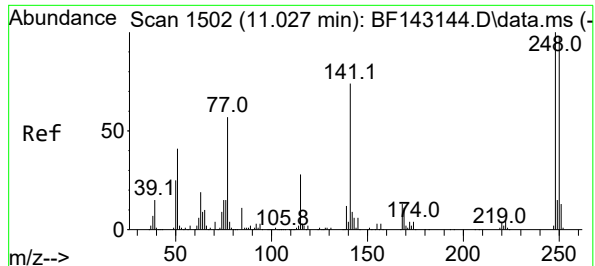
Tgt Ion:198 Resp: 12541
Ion Ratio Lower Upper
198 100
51 63.6 37.2 77.2
105 46.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:169 Resp: 167901
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.6 28.2 42.2

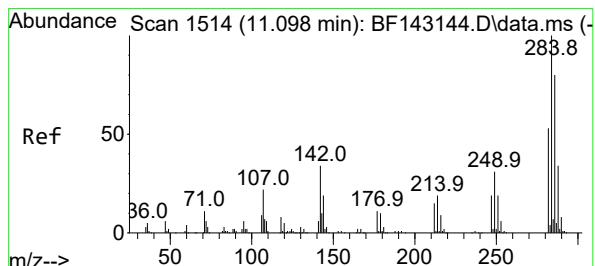
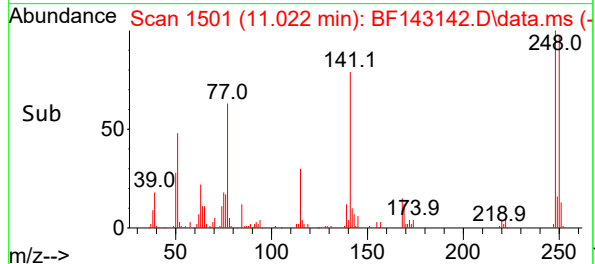
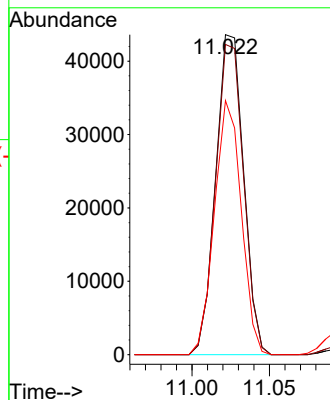
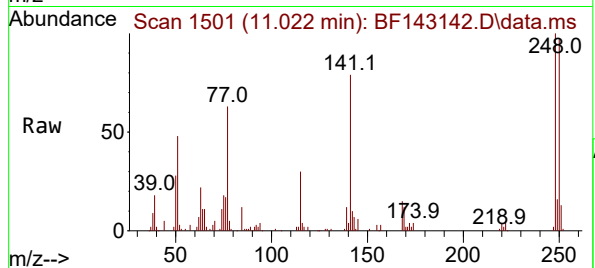




#67
4-Bromophenyl-phenylether
Concen: 9.978 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

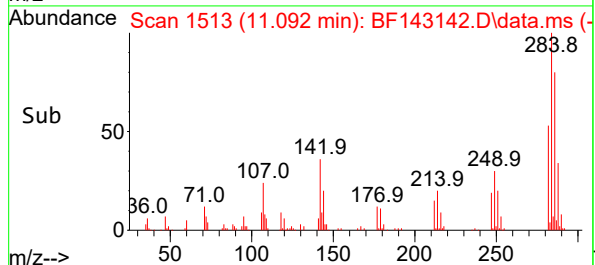
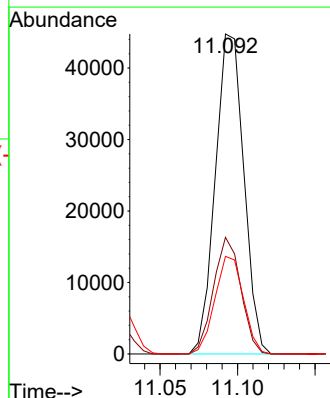
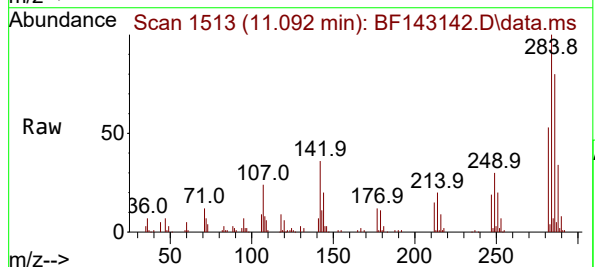
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

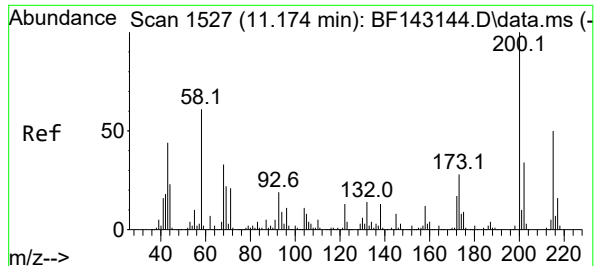
Tgt Ion:248 Resp: 54849
Ion Ratio Lower Upper
248 100
250 97.0 78.3 117.5
141 79.4 59.2 88.8



#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:284 Resp: 57305
Ion Ratio Lower Upper
284 100
142 36.4 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 9.613 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

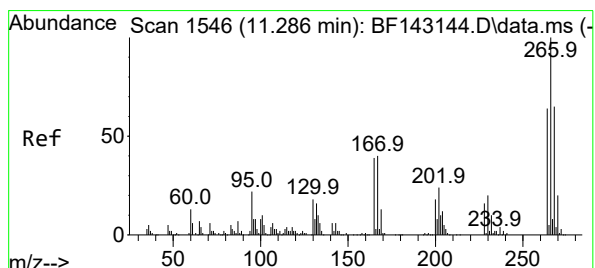
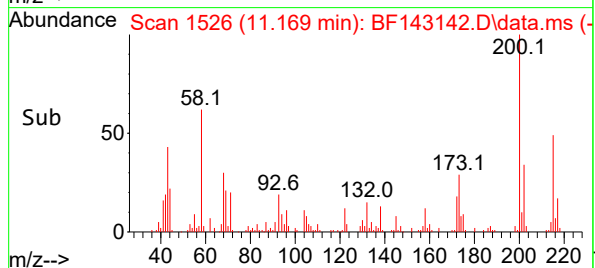
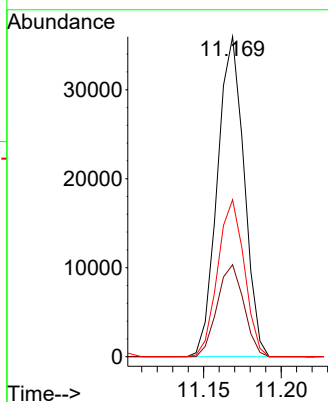
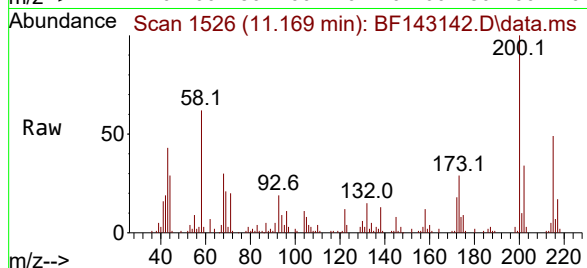
Tgt Ion:200 Resp: 43045

Ion Ratio Lower Upper

200 100

173 28.7 7.9 47.9

215 49.1 30.1 70.1



#70

Pentachlorophenol

Concen: 8.148 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

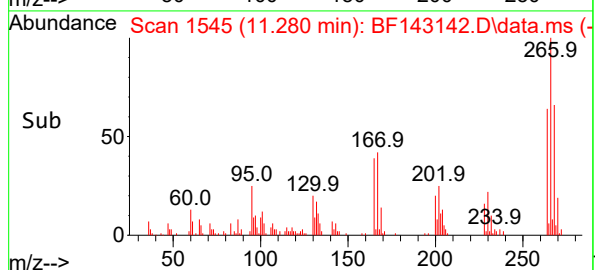
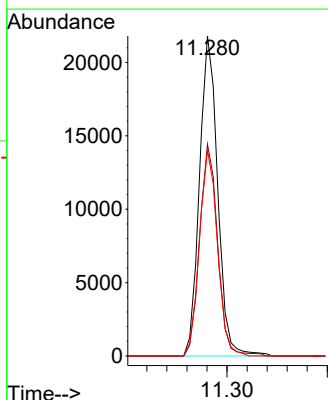
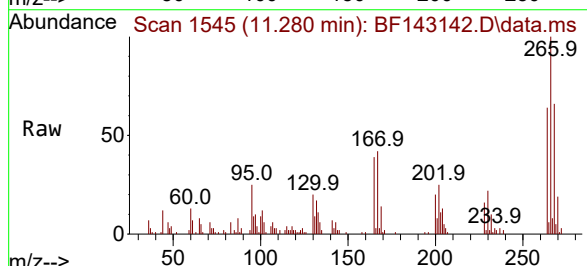
Tgt Ion:266 Resp: 27529

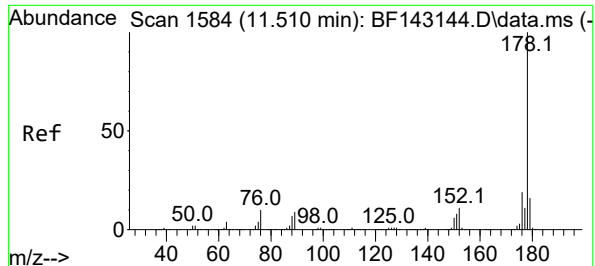
Ion Ratio Lower Upper

266 100

268 66.2 51.9 77.9

264 64.3 51.0 76.6

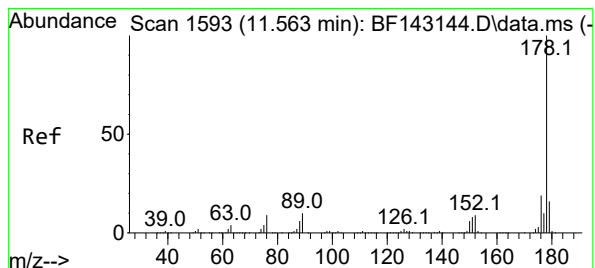
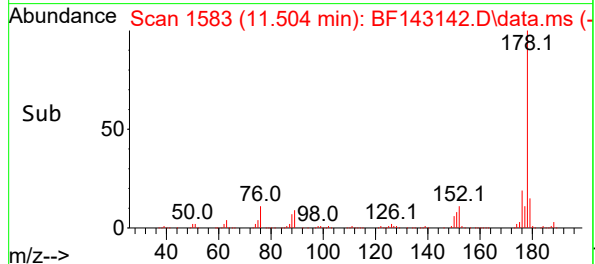
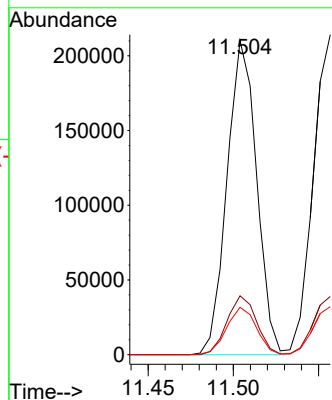
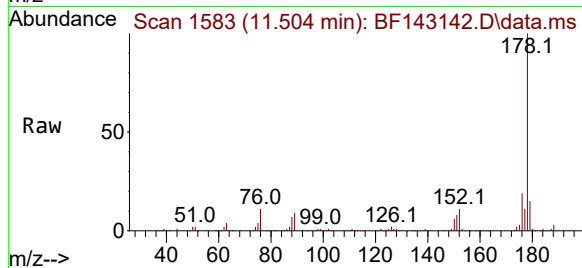




#71
Phenanthrene
Concen: 10.361 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

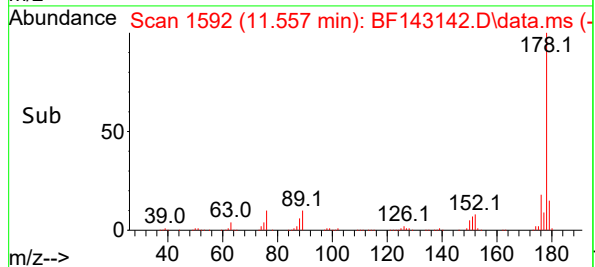
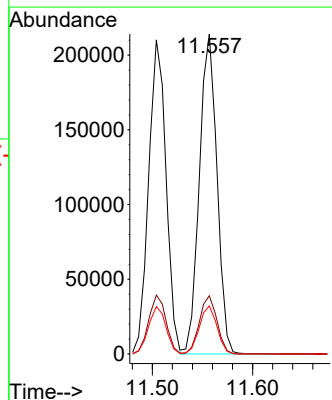
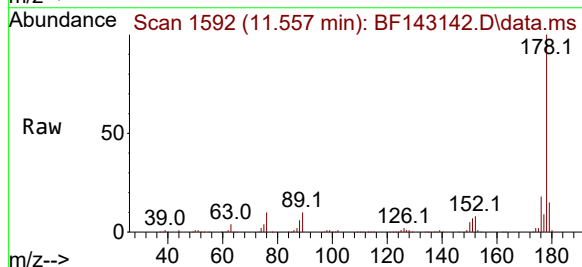
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

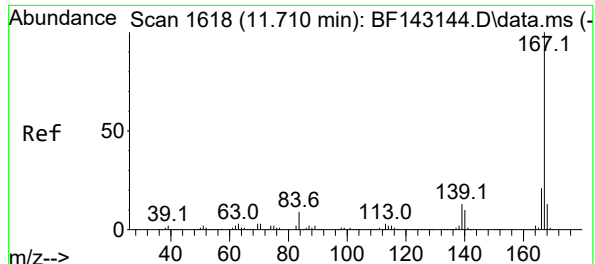
Tgt Ion:178 Resp: 253750
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.1 12.5 18.7



#72
Anthracene
Concen: 10.487 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

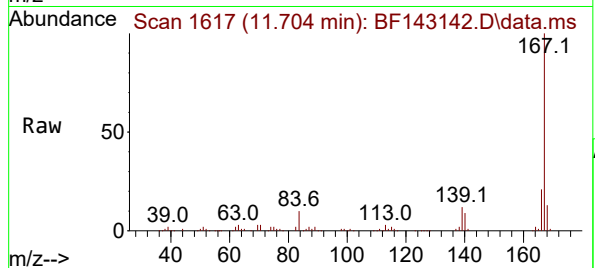
Tgt Ion:178 Resp: 261960
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.0 12.5 18.7



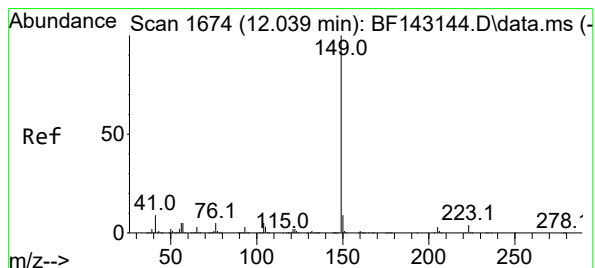
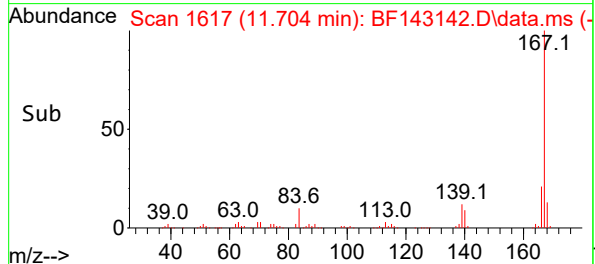
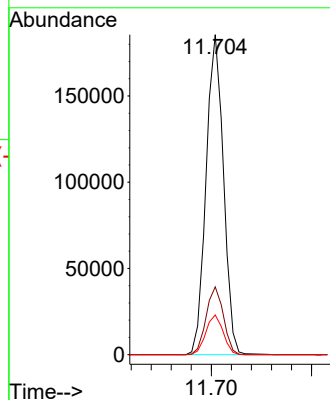


#73
Carbazole
Concen: 10.241 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

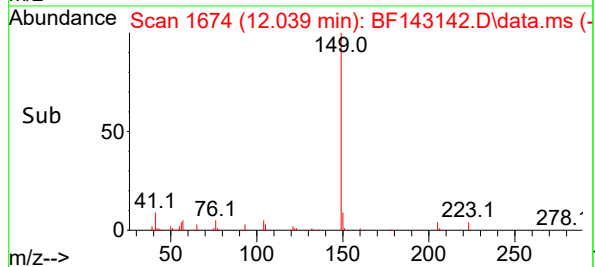
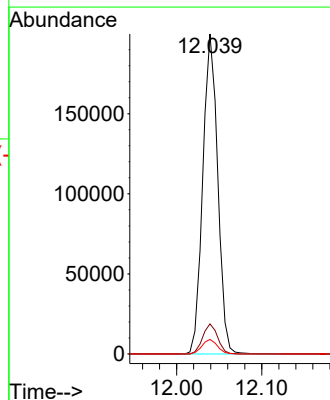
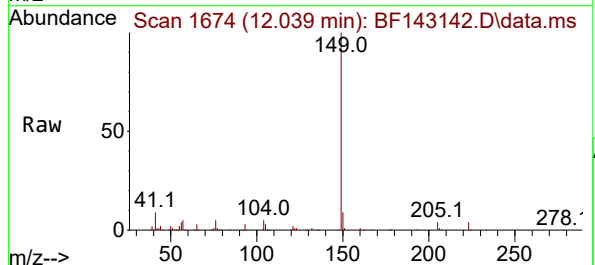


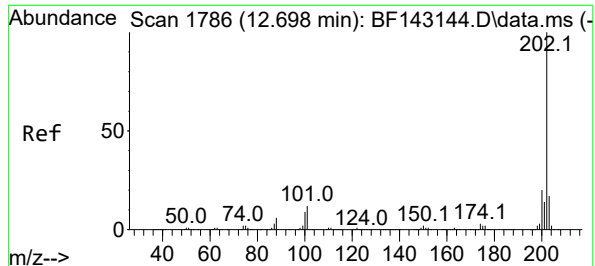
Tgt Ion:167 Resp: 223376
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.4 10.0 15.0



#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 243142
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.6 3.8 5.8

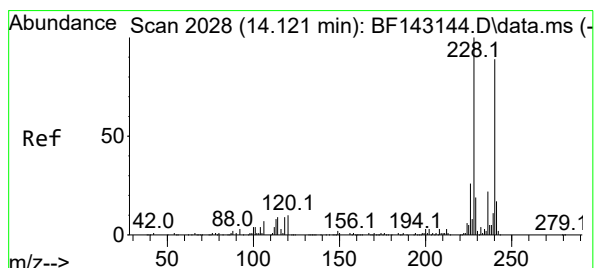
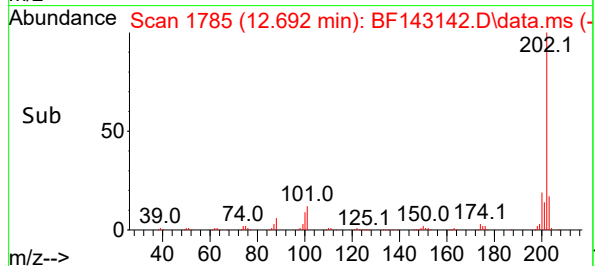
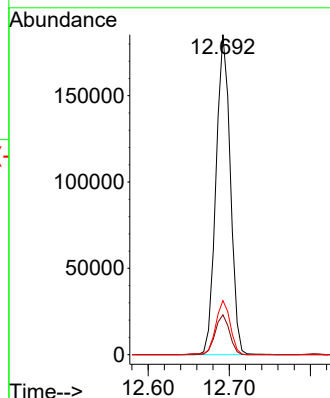
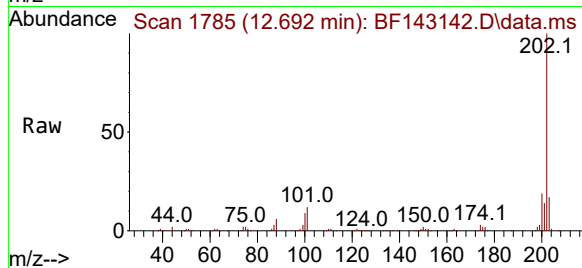




#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

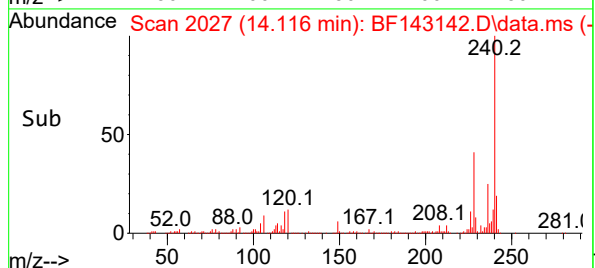
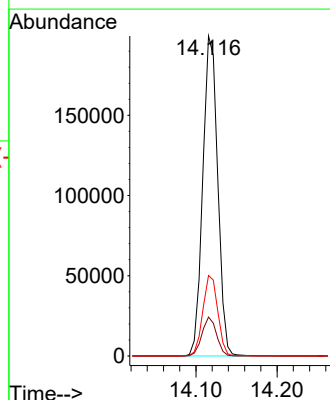
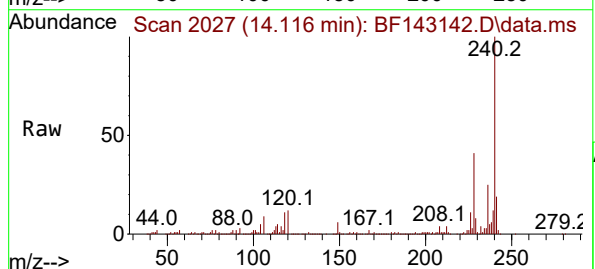
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

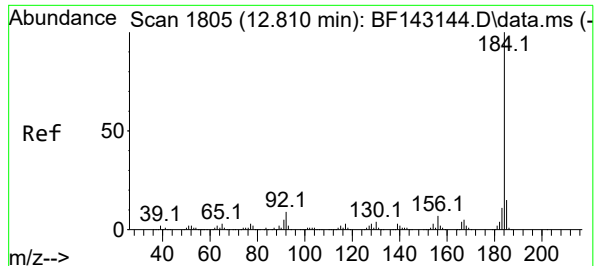
Tgt Ion:202 Resp: 227701
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 16.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:240 Resp: 254650
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 25.1 20.2 30.4





#77

Benzidine

Concen: 9.834 ng

RT: 12.804 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

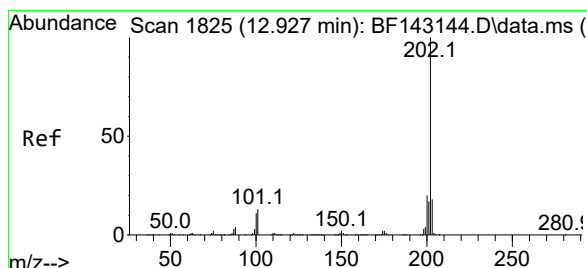
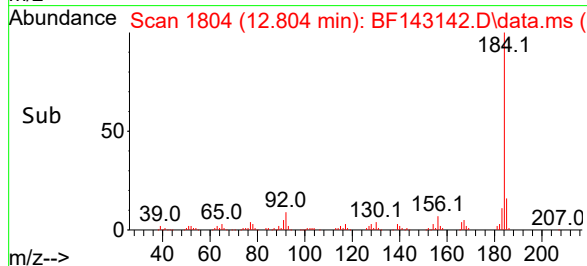
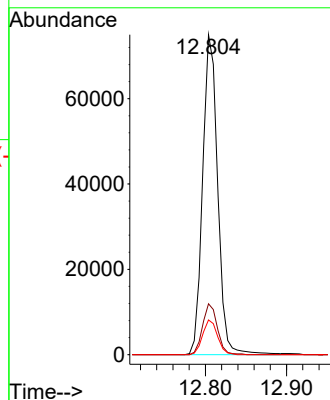
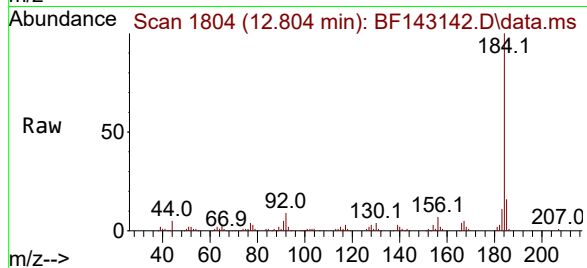
Tgt Ion:184 Resp: 96484

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.4

183 10.9 9.0 13.4



#78

Pyrene

Concen: 10.445 ng

RT: 12.922 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

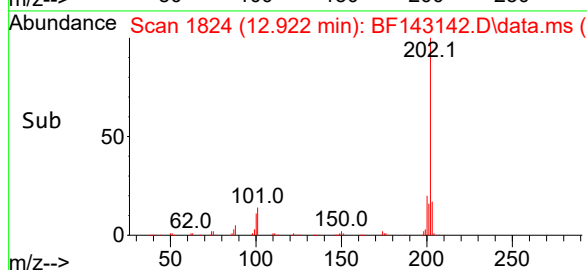
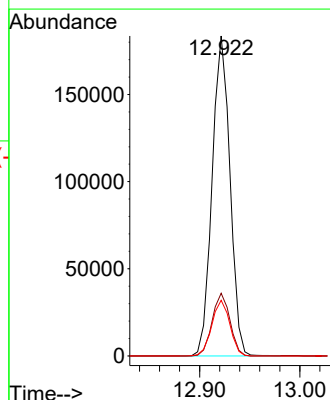
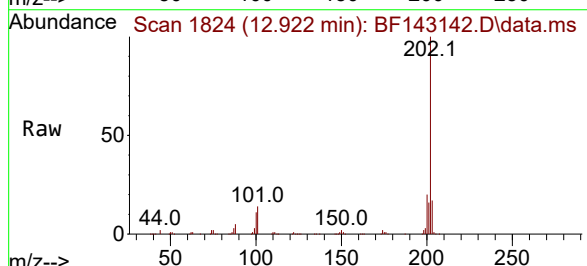
Tgt Ion:202 Resp: 227008

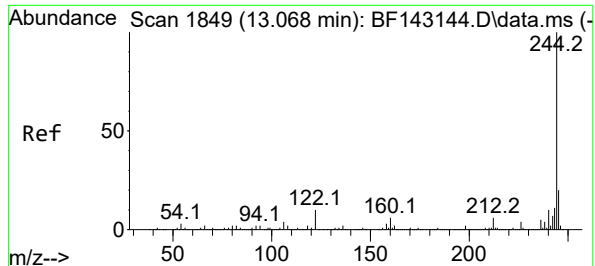
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 21.669 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

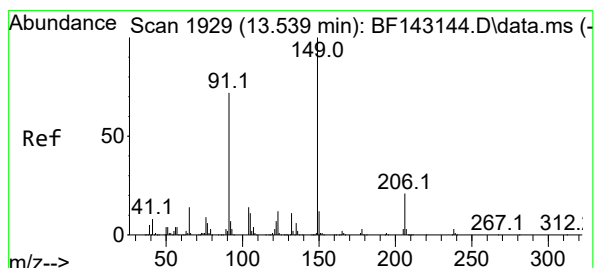
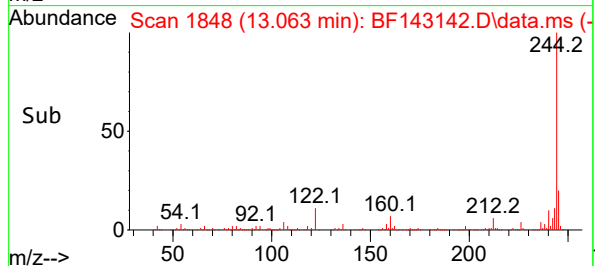
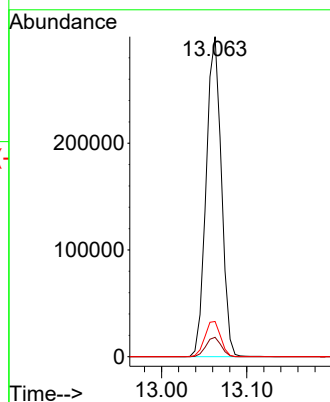
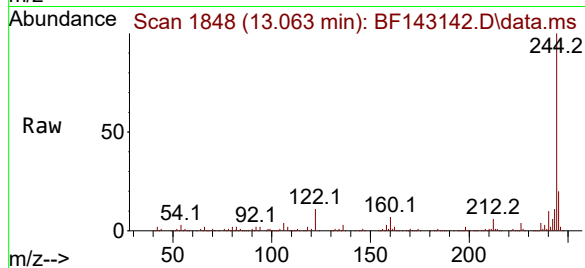
Tgt Ion:244 Resp: 370808

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

122 11.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 9.024 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

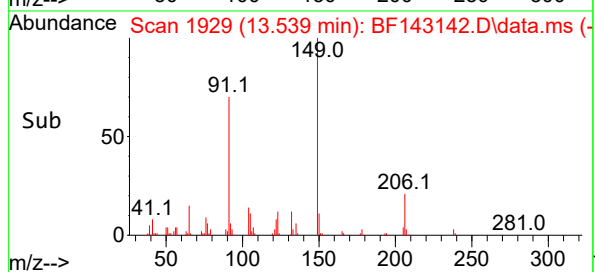
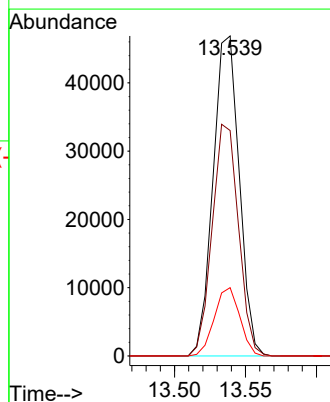
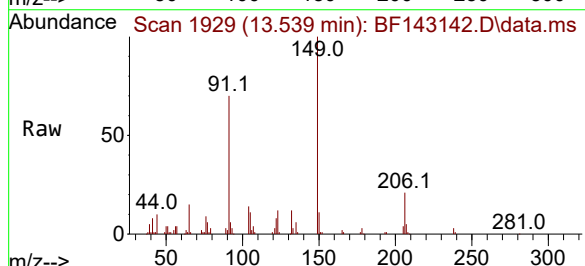
Tgt Ion:149 Resp: 60055

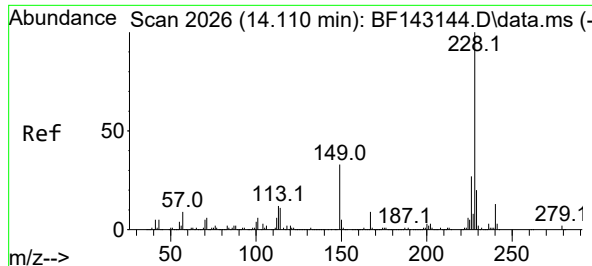
Ion Ratio Lower Upper

149 100

91 70.4 57.9 86.9

206 21.3 17.0 25.4

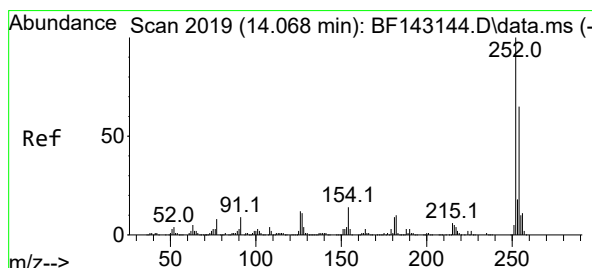
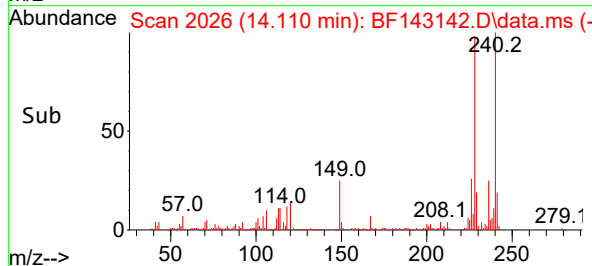
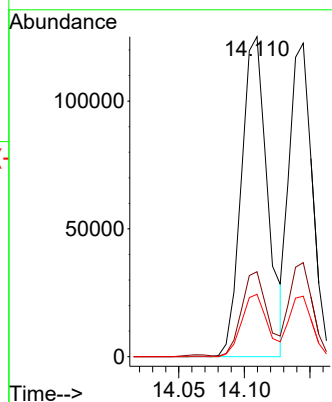
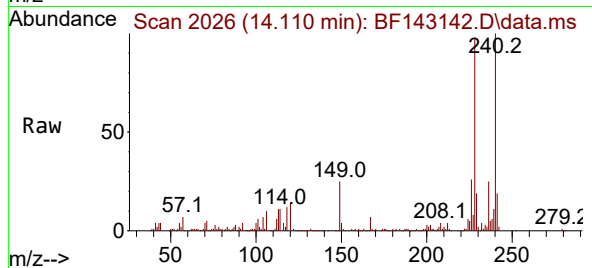




#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

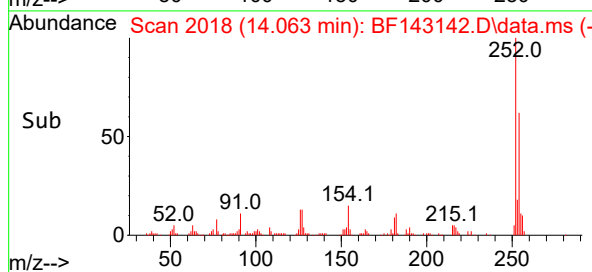
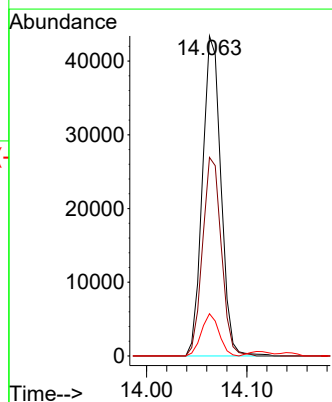
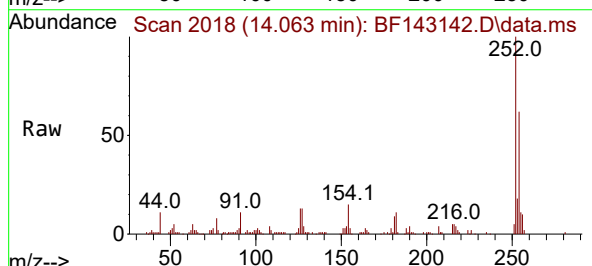
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

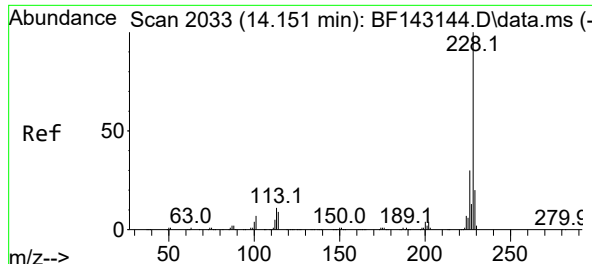
Tgt Ion:228 Resp: 174020
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 55694
Ion Ratio Lower Upper
252 100
254 62.0 51.7 77.5
126 13.2 9.4 14.0





#83

Chrysene

Concen: 9.750 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

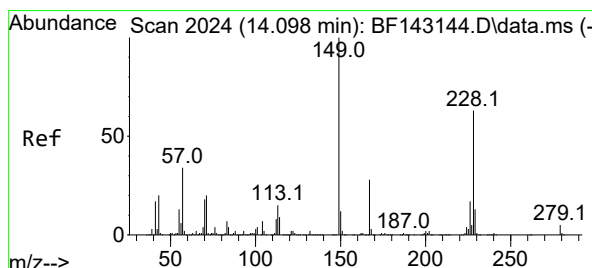
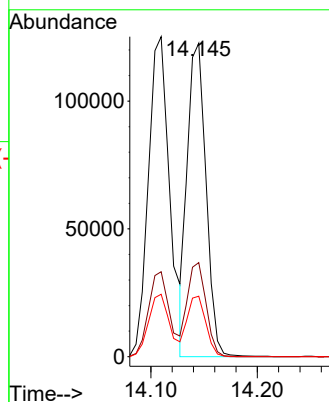
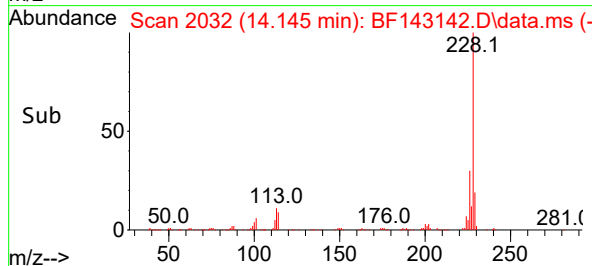
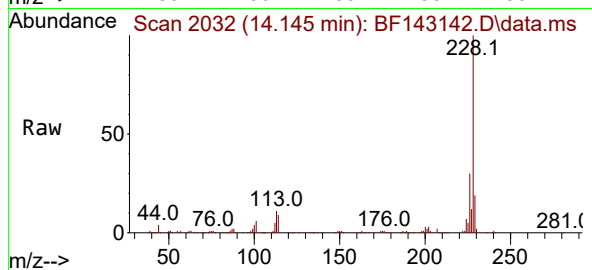
Tgt Ion:228 Resp: 149446

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.549 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

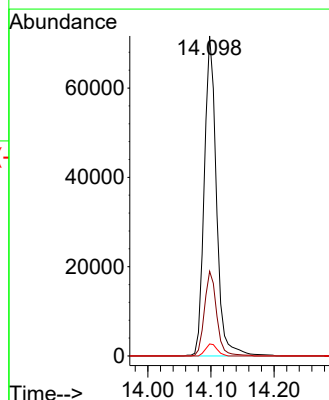
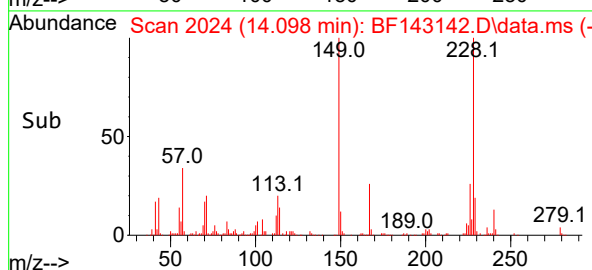
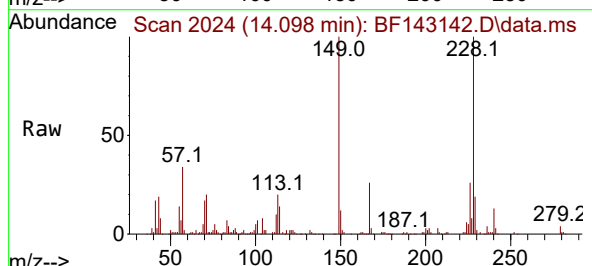
Tgt Ion:149 Resp: 96191

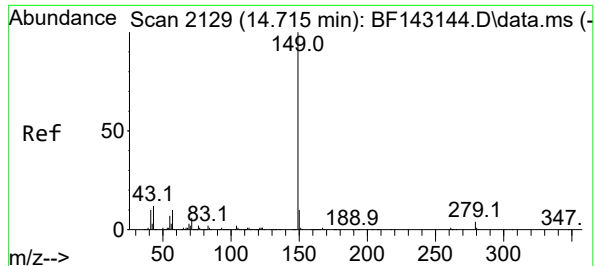
Ion Ratio Lower Upper

149 100

167 26.5 22.3 33.5

279 3.7 3.6 5.4

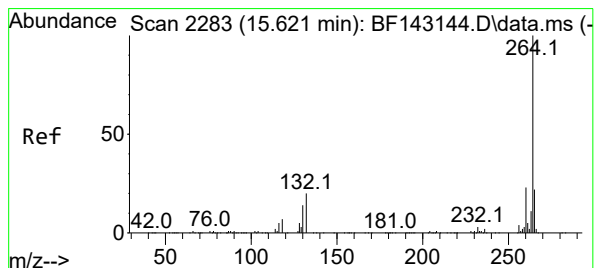
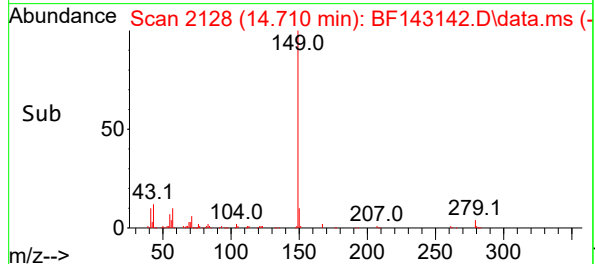
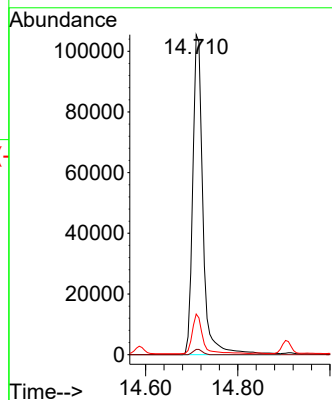
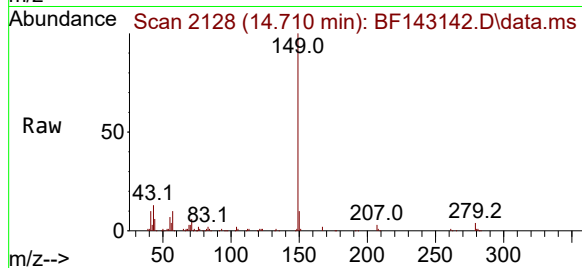




#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

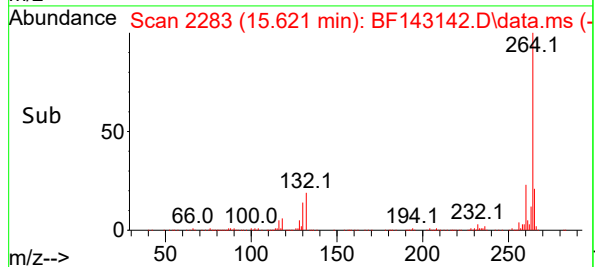
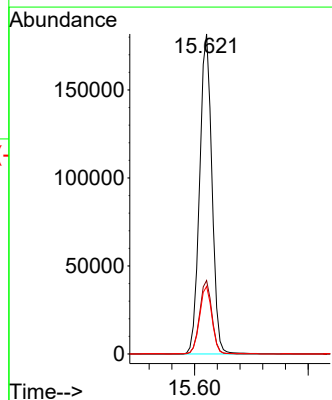
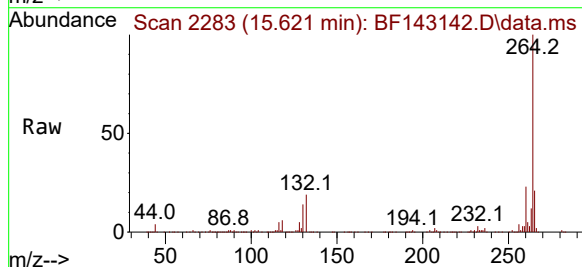
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

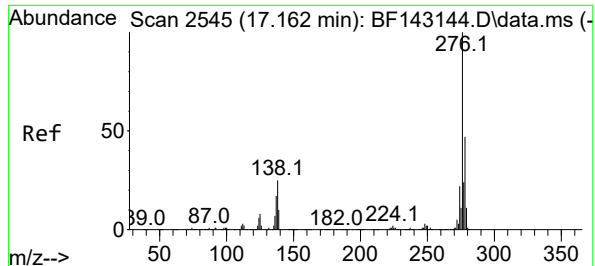
Tgt Ion:149 Resp: 162156
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.7 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:264 Resp: 273706
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.475 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

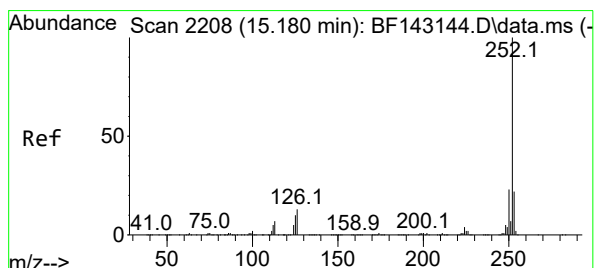
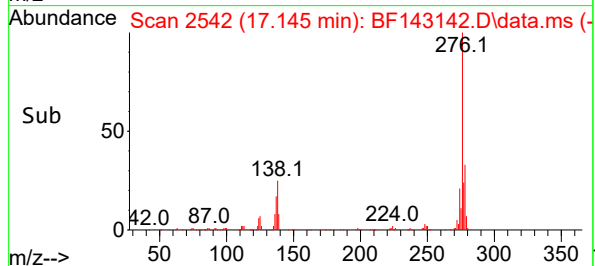
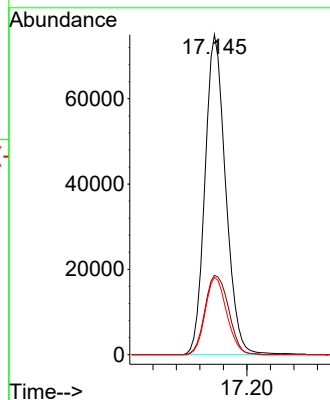
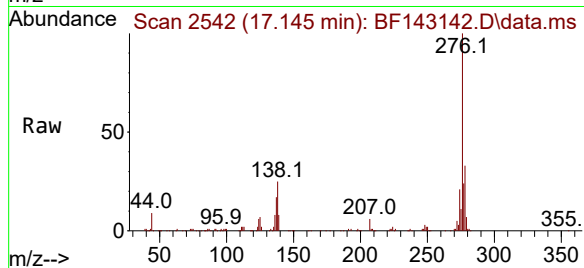
Tgt Ion:276 Resp: 182869

Ion Ratio Lower Upper

276 100

138 28.3 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 9.296 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

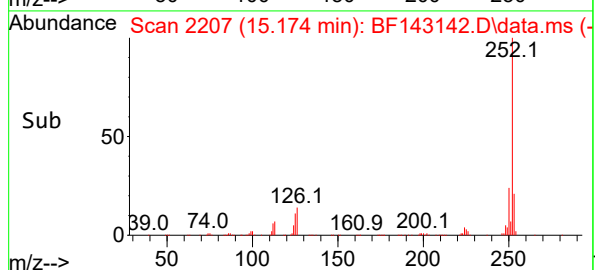
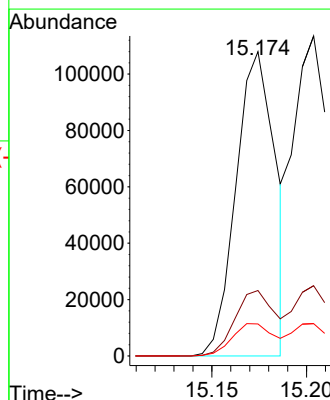
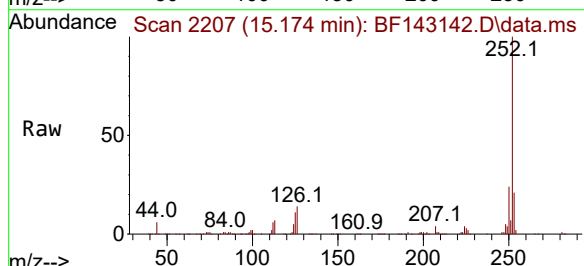
Tgt Ion:252 Resp: 155430

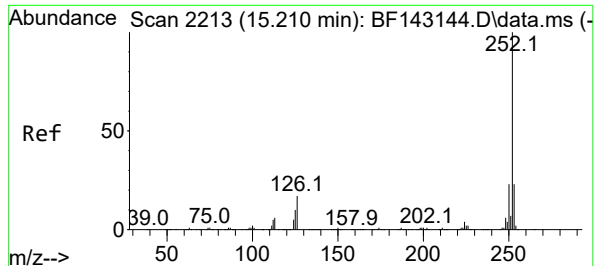
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 10.567 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

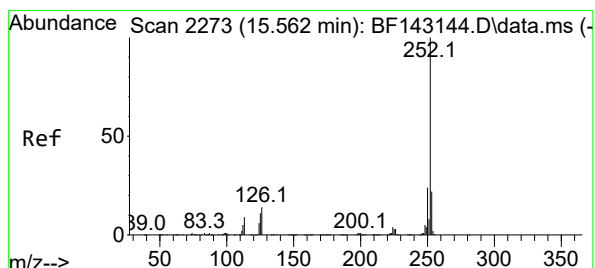
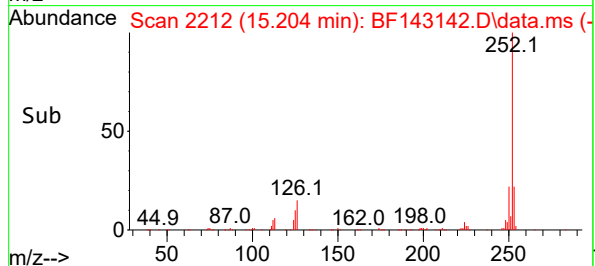
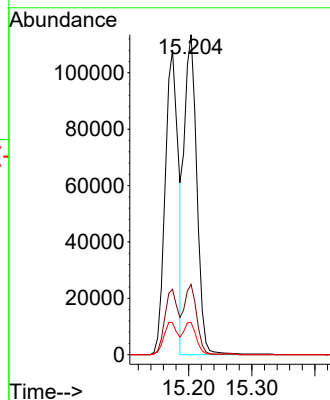
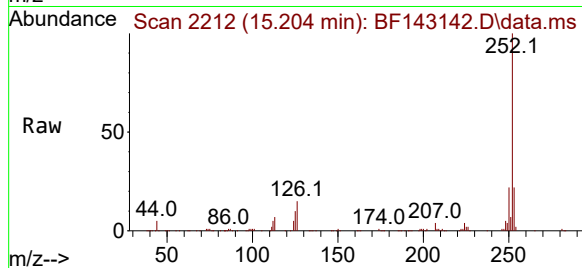
Tgt Ion:252 Resp: 157663

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.1 8.1 12.1



#90

Benzo(a)pyrene

Concen: 9.792 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

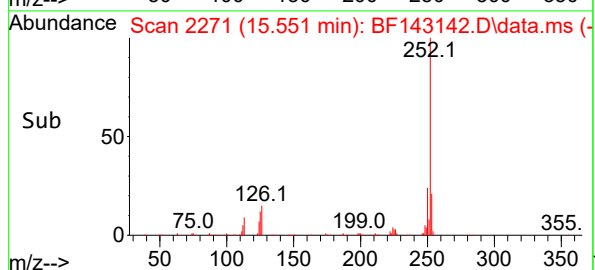
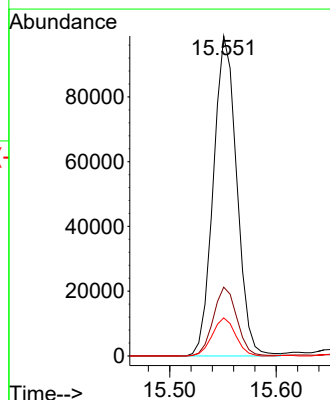
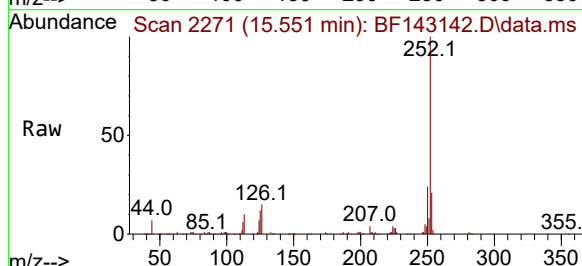
Tgt Ion:252 Resp: 150853

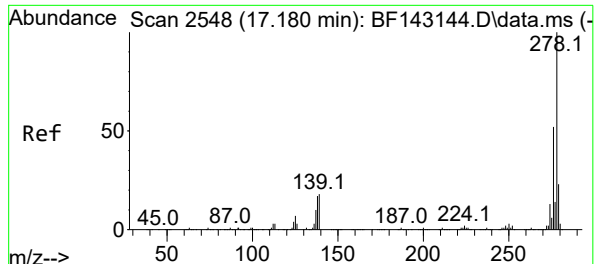
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 11.9 8.6 13.0

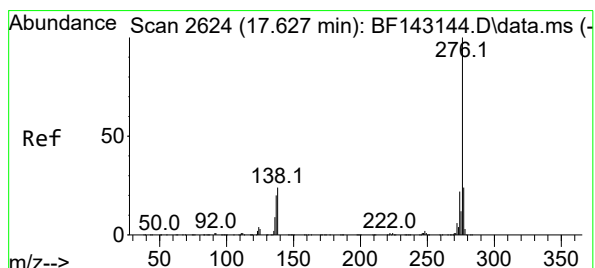
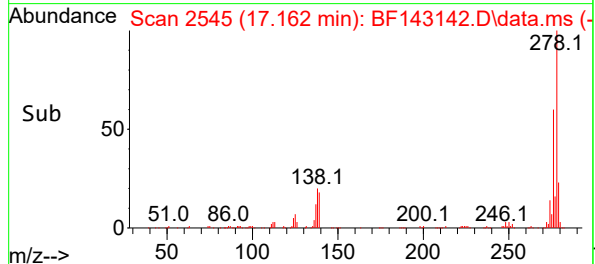
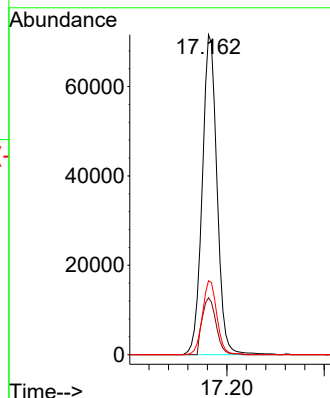
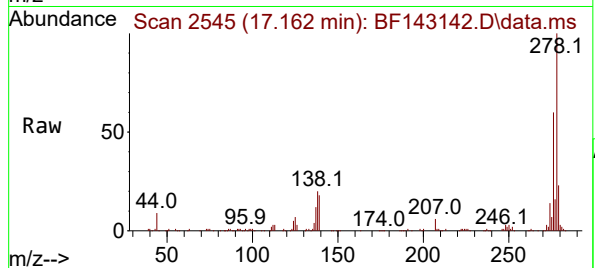




#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

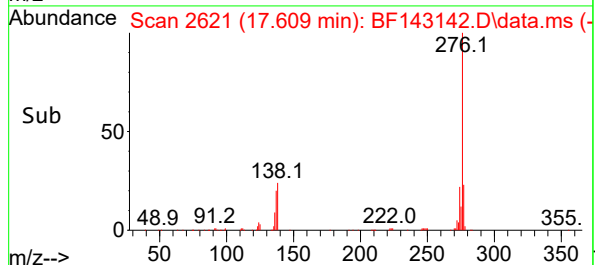
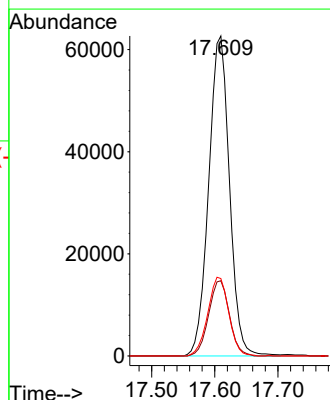
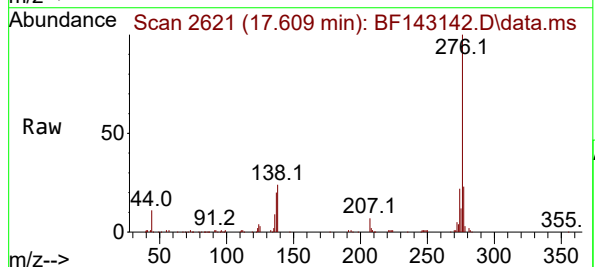
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 150977
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.1 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 143342
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	168491	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	642580	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	329670	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	532921	20.000	ng	0.00
76) Chrysene-d12	14.121	240	305398	20.000	ng	0.00
86) Perylene-d12	15.621	264	338518	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	444546	41.752	ng	0.00
7) Phenol-d6	6.575	99	558427	41.668	ng	-0.01
23) Nitrobenzene-d5	7.516	82	535581m	41.547	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	139748	41.034	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1019688	42.301	ng	0.00
79) Terphenyl-d14	13.063	244	866830	42.238	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	103481	20.540	ng	99
3) Pyridine	3.581	79	261405	19.990	ng	99
4) n-Nitrosodimethylamine	3.510	42	134638	19.942	ng	99
6) Aniline	6.622	93	382991	20.505	ng	99
8) 2-Chlorophenol	6.745	128	231044	20.702	ng	98
9) Benzaldehyde	6.510	77	196003	19.504	ng	98
10) Phenol	6.593	94	299259m	20.497	ng	
11) bis(2-Chloroethyl)ether	6.692	93	232425	20.792	ng	98
12) 1,3-Dichlorobenzene	6.904	146	251734	20.763	ng	99
13) 1,4-Dichlorobenzene	6.981	146	253137	20.733	ng	100
14) 1,2-Dichlorobenzene	7.134	146	243437	20.963	ng	99
15) Benzyl Alcohol	7.092	79	210016	20.524	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	428827	20.680	ng	100
17) 2-Methylphenol	7.198	107	192172	20.479	ng	99
18) Hexachloroethane	7.481	117	88036	20.828	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	173142	20.137	ng	97
20) 3+4-Methylphenols	7.351	107	247578	21.745	ng	96
22) Acetophenone	7.363	105	321774	21.151	ng	# 99
24) Nitrobenzene	7.534	77	249251	20.739	ng	98
25) Isophorone	7.775	82	457146	20.088	ng	99
26) 2-Nitrophenol	7.851	139	105681	20.261	ng	98
27) 2,4-Dimethylphenol	7.887	122	218960	20.594	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	283946	20.811	ng	100
29) 2,4-Dichlorophenol	8.092	162	184432	20.569	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	204103	21.070	ng	98
31) Naphthalene	8.263	128	662968	20.949	ng	100
32) Benzoic acid	7.957	122	95515m	19.382	ng	
33) 4-Chloroaniline	8.304	127	269101	20.825	ng	99
34) Hexachlorobutadiene	8.386	225	122624	20.722	ng	98
35) Caprolactam	8.651	113	53950	19.911	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	197317	20.246	ng	99
37) 2-Methylnaphthalene	8.957	142	403298	20.943	ng	100
38) 1-Methylnaphthalene	9.057	142	417629	21.060	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	198009	20.804	ng	99
41) Hexachlorocyclopentadiene	9.116	237	122922	19.848	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	135703	20.601	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	135634	20.584	ng	99
46) 1,1'-Biphenyl	9.416	154	540637	21.019	ng	100
47) 2-Chloronaphthalene	9.445	162	393002	20.650	ng	99
48) 2-Nitroaniline	9.528	65	122517	20.528	ng	99
49) Acenaphthylene	9.857	152	663048	20.789	ng	100
50) Dimethylphthalate	9.710	163	441768	20.558	ng	100
51) 2,6-Dinitrotoluene	9.769	165	89742	20.529	ng	97
52) Acenaphthene	10.033	154	390249	20.702	ng	99
53) 3-Nitroaniline	9.933	138	103870	20.314	ng	94
54) 2,4-Dinitrophenol	10.039	184	26820	19.073	ng	# 1
55) Dibenzofuran	10.204	168	582320	20.806	ng	98
56) 4-Nitrophenol	10.081	139	75275	19.715	ng	99
57) 2,4-Dinitrotoluene	10.169	165	112851	20.577	ng	99
58) Fluorene	10.545	166	435866	20.750	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	113851	20.859	ng	100
60) Diethylphthalate	10.410	149	440058	20.719	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	216496	20.699	ng	99
62) 4-Nitroaniline	10.545	138	87666	20.005	ng	99
63) Azobenzene	10.698	77	458013	20.690	ng	99
65) 4,6-Dinitro-2-methylph...	10.580	198	46122	20.060	ng	95
66) n-Nitrosodiphenylamine	10.651	169	384467	20.488	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	128663	20.259	ng	99
68) Hexachlorobenzene	11.098	284	134031	20.191	ng	99
69) Atrazine	11.169	200	105386	20.370	ng	99
70) Pentachlorophenol	11.280	266	77906	19.957	ng	99
71) Phenanthrene	11.510	178	595411	21.042	ng	99
72) Anthracene	11.557	178	604416	20.944	ng	99
73) Carbazole	11.704	167	523365	20.769	ng	100
74) Di-n-butylphthalate	12.039	149	601867	21.108	ng	100
75) Fluoranthene	12.692	202	542662	20.894	ng	99
77) Benzidine	12.810	184	257904	21.919	ng	99
78) Pyrene	12.922	202	544650	20.897	ng	99
80) Butylbenzylphthalate	13.539	149	163546	20.491	ng	99
81) Benzo(a)anthracene	14.110	228	421791	20.629	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	151153	22.181	ng	100
83) Chrysene	14.145	228	380799	20.714	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	251739	20.839	ng	99
85) Di-n-octyl phthalate	14.716	149	436102	19.916	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	484240	20.286	ng	99
88) Benzo(b)fluoranthene	15.174	252	435747	21.071	ng	99
89) Benzo(k)fluoranthene	15.204	252	369899	20.044	ng	100
90) Benzo(a)pyrene	15.557	252	388136	20.371	ng	99
91) Dibenzo(a,h)anthracene	17.168	278	398949	20.534	ng	99
92) Benzo(g,h,i)perylene	17.615	276	385915	20.534	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Abundance

TIC: BF143143.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylaniline

2-Fluorophenol,S

Phenol-d6,S

3,4-Methylenedinitrobenzene-d5,S

Nitrobenzene-d5,S

2-Fluorobiphenyl,S

1,1'-Biphenyl

Acenaphthylene

Acenaphthene-d10

Acenaphthene,C

Dibenzofuran

2,3,4,6-Tetrahydrophthalazine

4,6-Dinitro-2-methylphenol

4,6-Dinitro-2-methylphenol,S

n-Nitrosodiphenylamine,c

n-Nitrosodiphenylamine,S

Phenylacetylene

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Butylbenzylphthalate

3,3'-Dichlorobenzidine

Chrysene

Chrysene(2-ethylhexyl)phthalate

Benzo(a)anthracene

Di-n-octyl phthalate,c

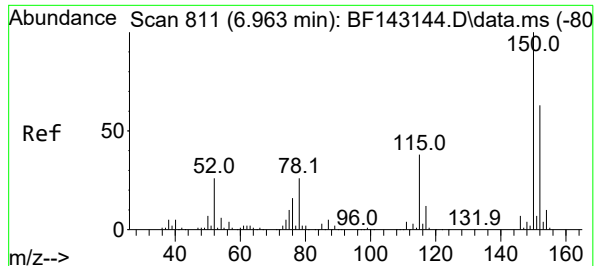
Benzo(b)fluoranthene

Benzo(k)fluoranthene

Perylene,C

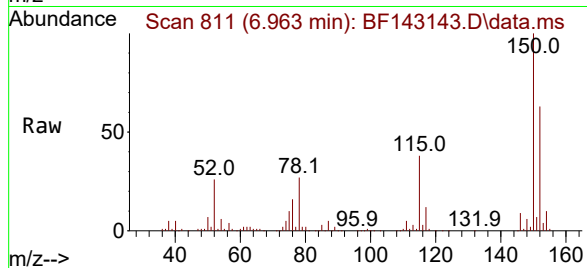
Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

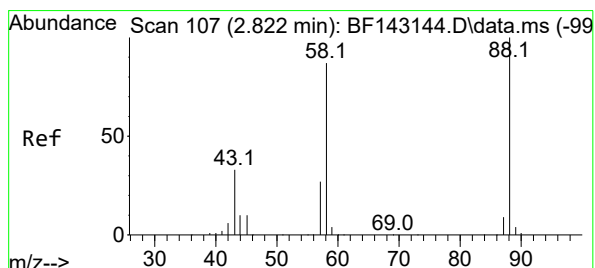
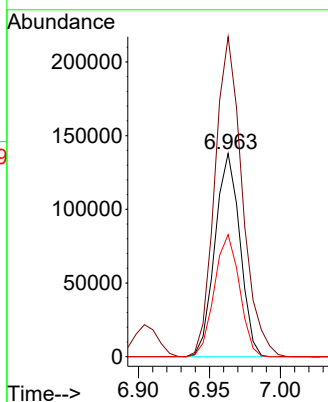
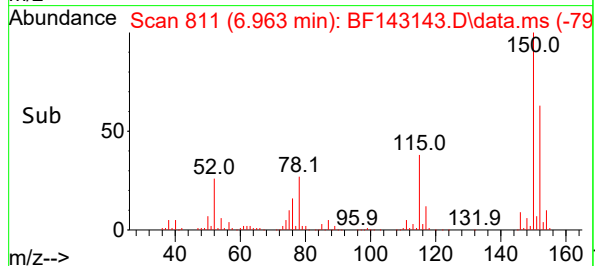


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

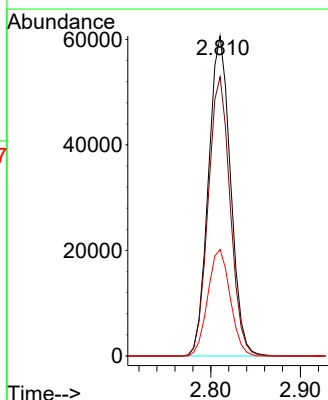
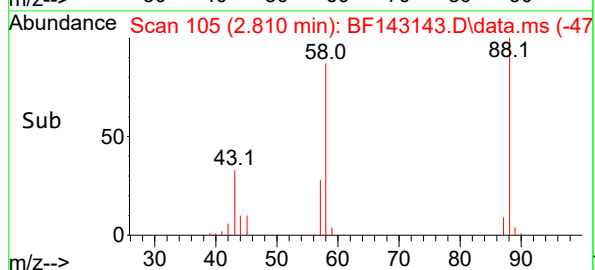
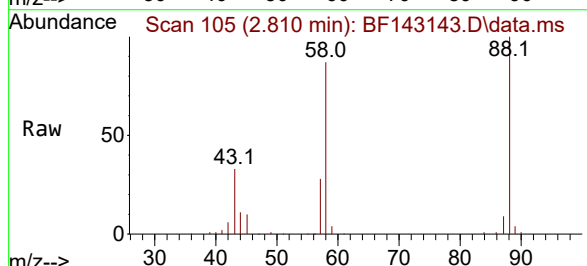


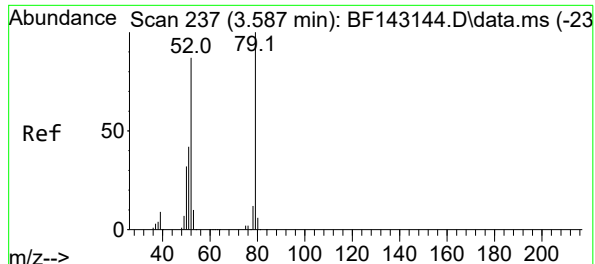
Tgt Ion:152 Resp: 168491
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.1 47.9 71.9



#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 88 Resp: 103481
Ion Ratio Lower Upper
88 100
58 86.7 70.2 105.2
43 33.8 27.1 40.7





#3

Pyridine

Concen: 19.990 ng

RT: 3.581 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

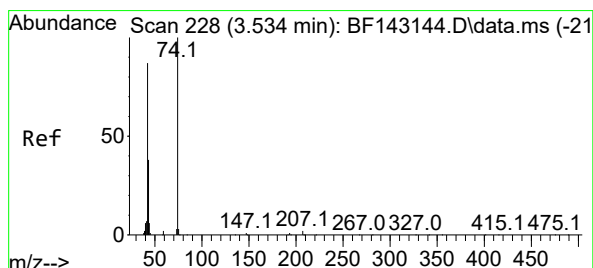
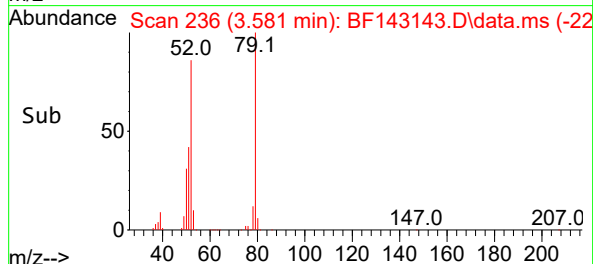
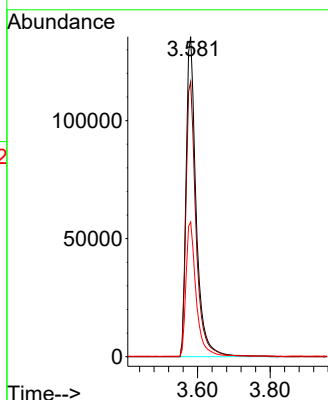
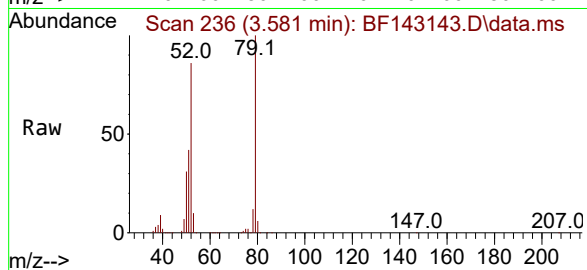
Tgt Ion: 79 Resp: 261405

Ion Ratio Lower Upper

79 100

52 85.9 69.4 104.2

51 42.1 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 19.942 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.023 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

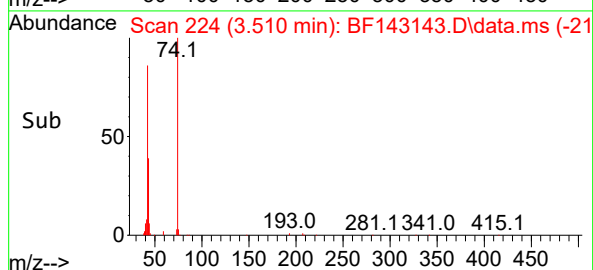
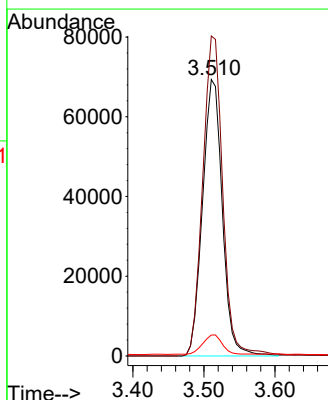
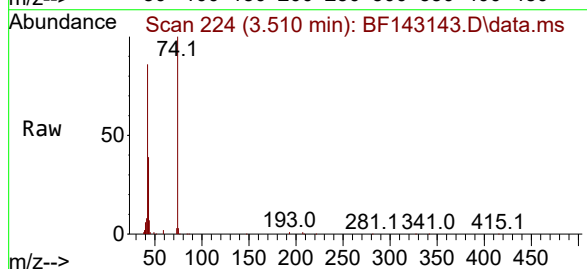
Tgt Ion: 42 Resp: 134638

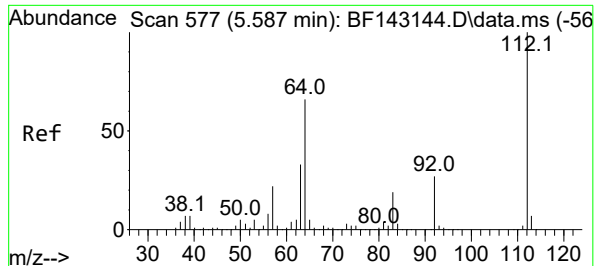
Ion Ratio Lower Upper

42 100

74 115.7 91.7 137.5

44 7.6 5.6 8.4

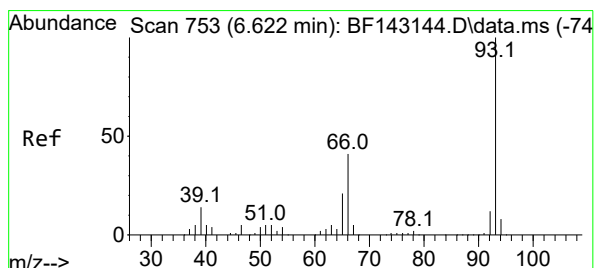
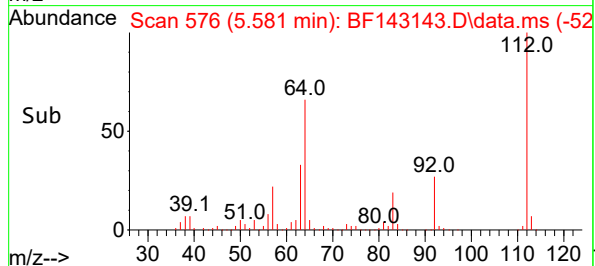
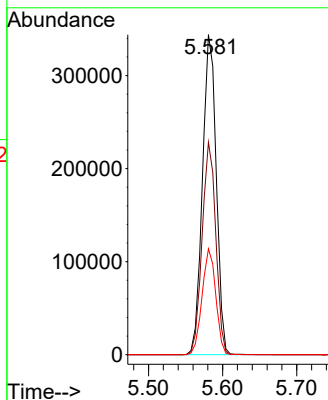
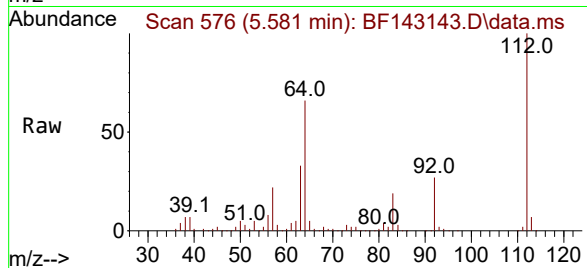




#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

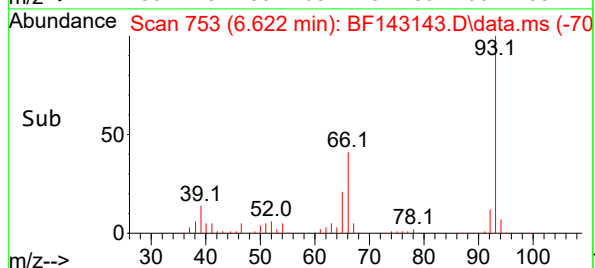
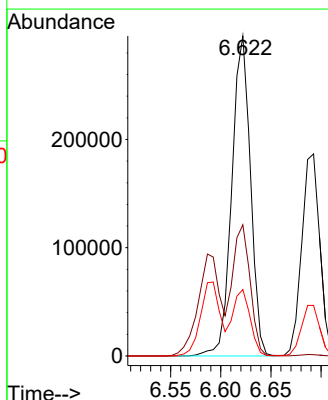
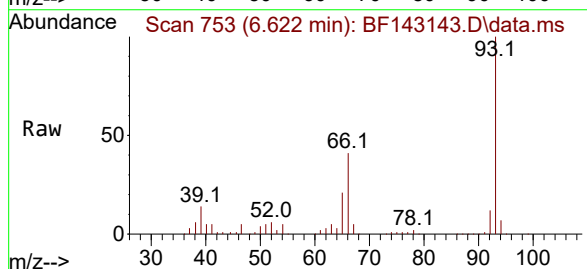
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

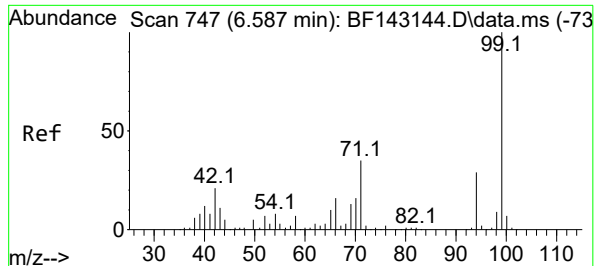
Tgt Ion:112 Resp: 444546
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 382991
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.7 16.9 25.3

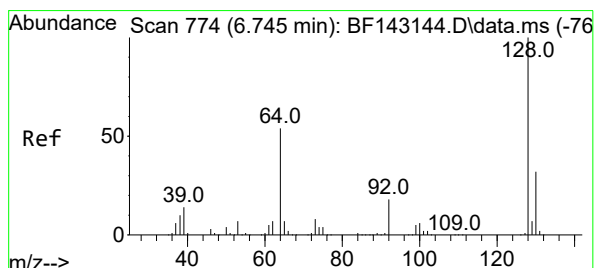
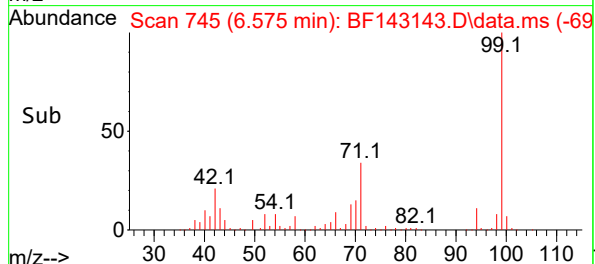
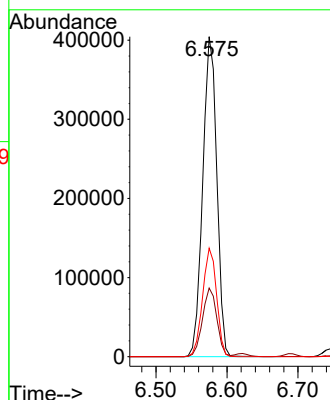
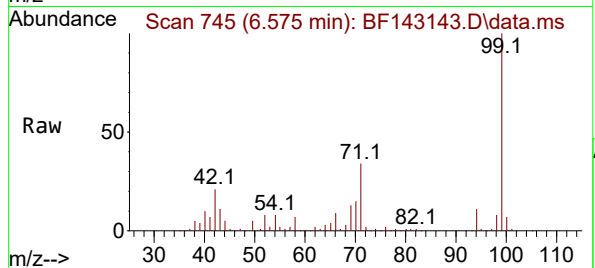




#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

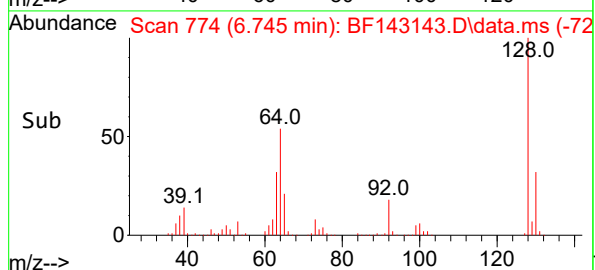
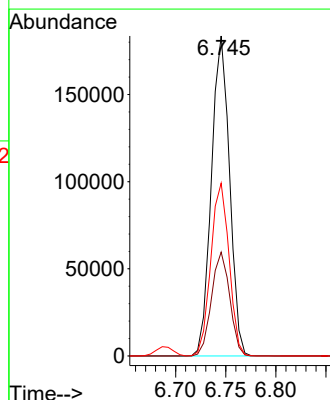
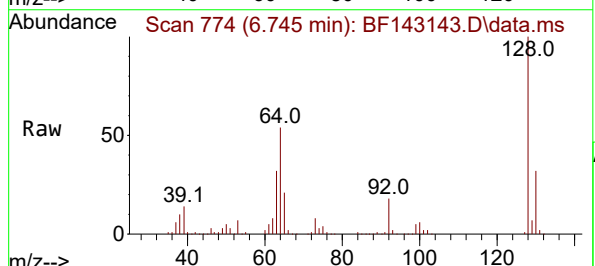
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

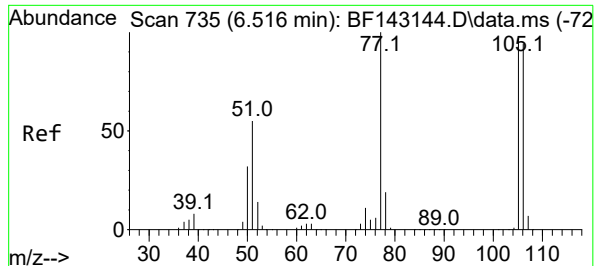
Tgt Ion: 99 Resp: 558427
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 33.9 27.7 41.5



#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 128 Resp: 231044
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 54.0 35.9 75.9





#9

Benzaldehyde

Concen: 19.504 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

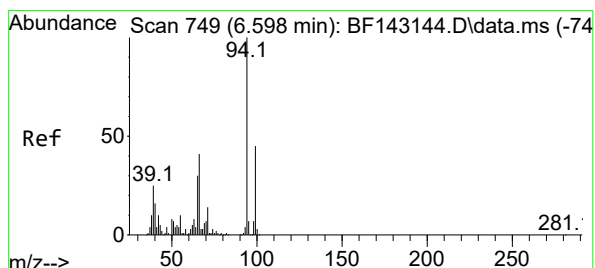
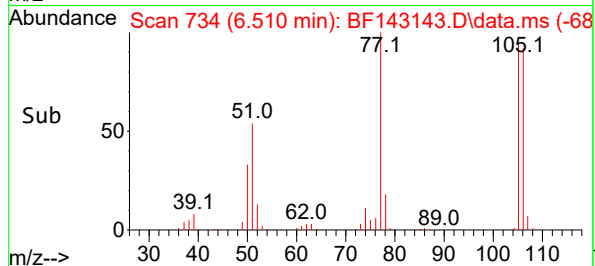
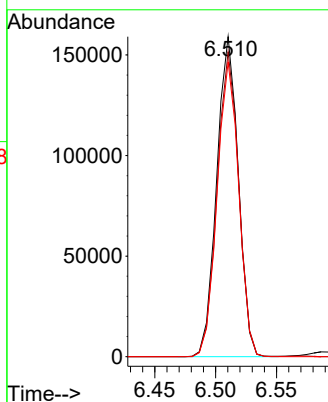
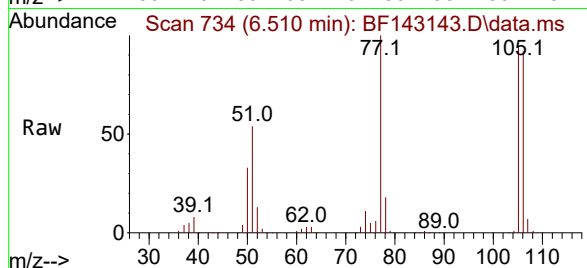
Tgt Ion: 77 Resp: 196003

Ion Ratio Lower Upper

77 100

105 95.3 76.8 116.8

106 92.0 74.4 114.4



#10

Phenol

Concen: 20.497 ng m

RT: 6.593 min Scan# 748

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

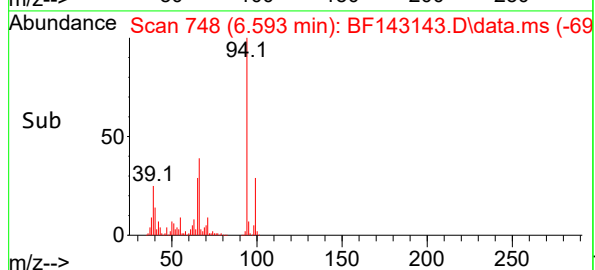
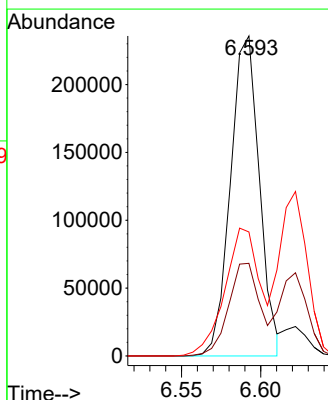
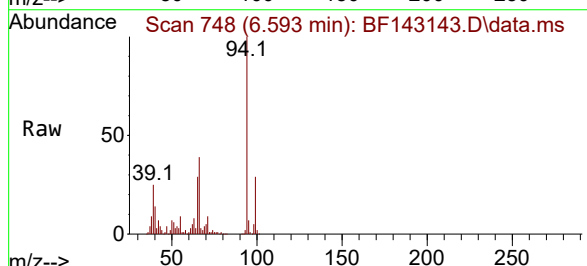
Tgt Ion: 94 Resp: 299259

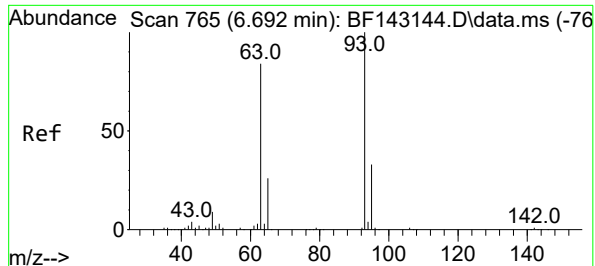
Ion Ratio Lower Upper

94 100

65 29.0 10.0 50.0

66 38.8 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 20.792 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

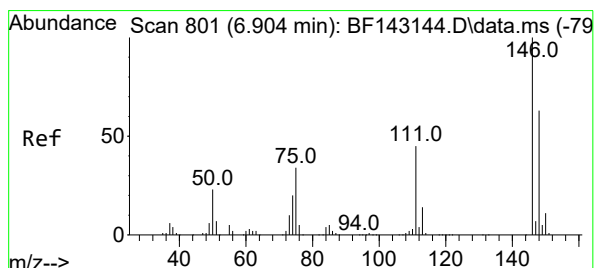
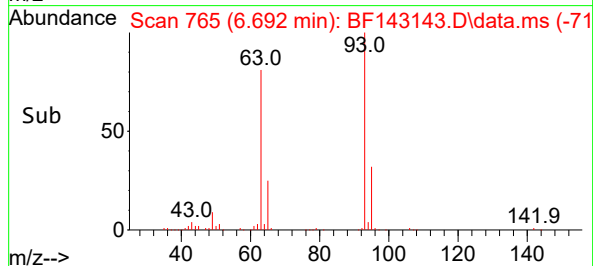
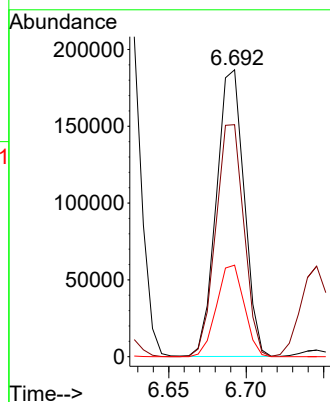
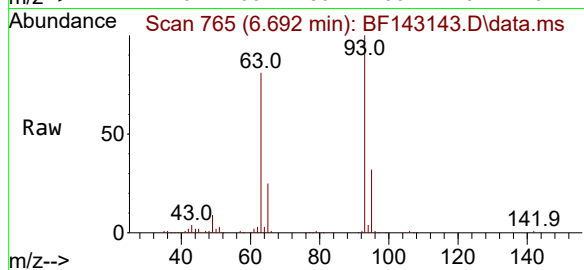
Tgt Ion: 93 Resp: 232425

Ion Ratio Lower Upper

93 100

63 80.9 63.4 103.4

95 31.9 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 20.763 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

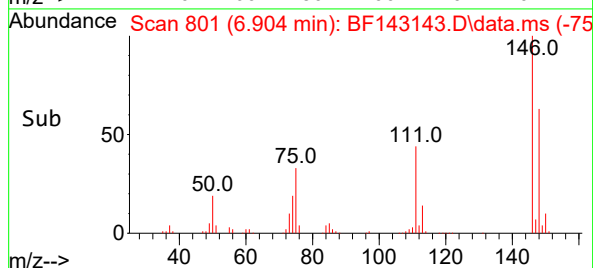
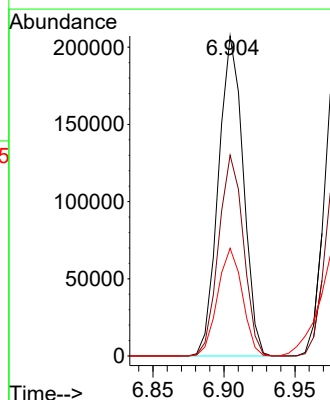
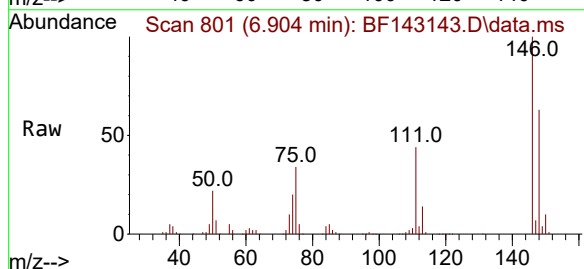
Tgt Ion: 146 Resp: 251734

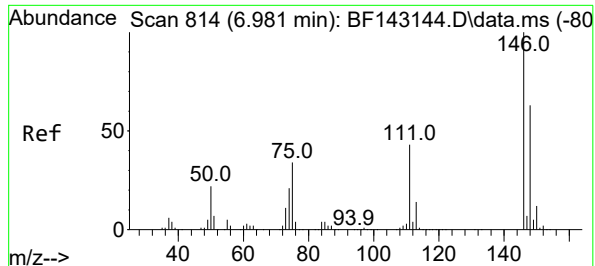
Ion Ratio Lower Upper

146 100

148 62.7 50.6 76.0

75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 20.733 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

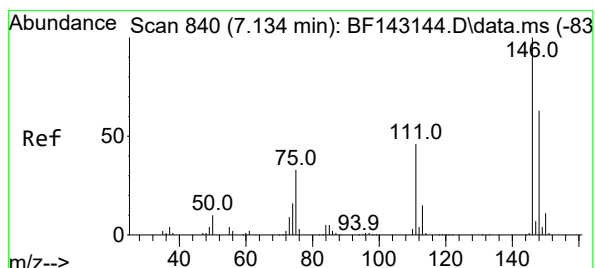
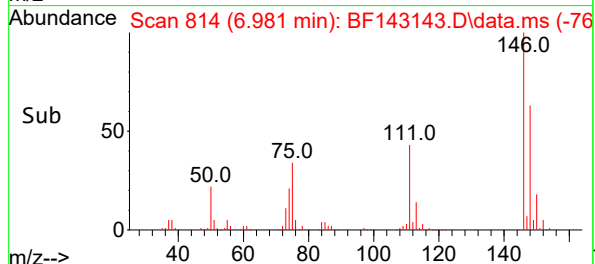
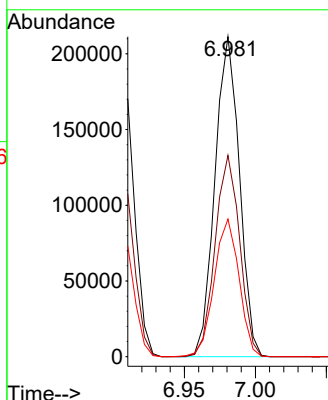
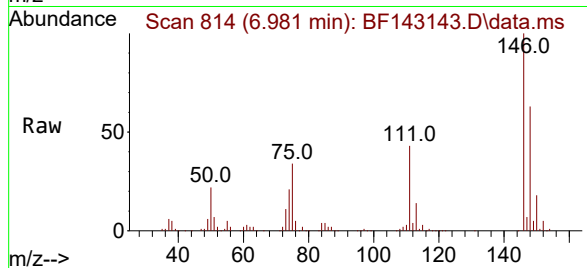
Tgt Ion:146 Resp: 253137

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

111 43.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 20.963 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

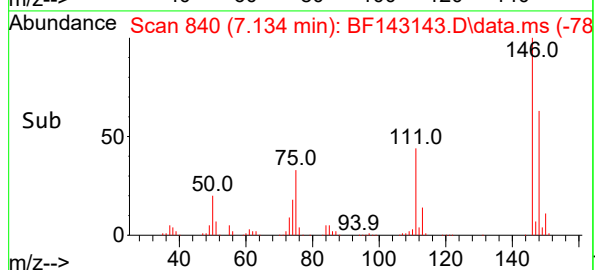
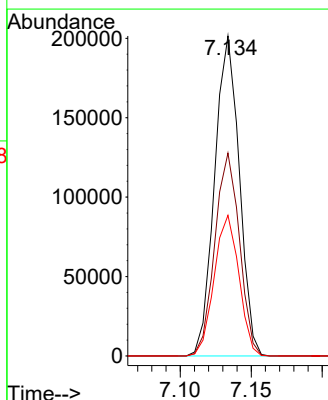
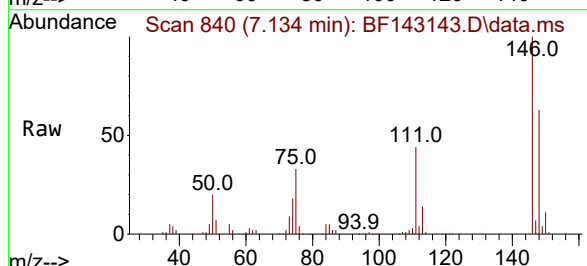
Tgt Ion:146 Resp: 243437

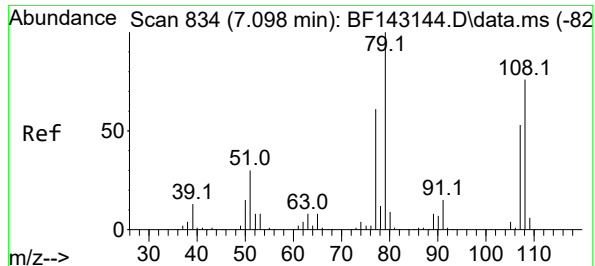
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 44.0 36.6 54.8





#15

Benzyl Alcohol

Concen: 20.524 ng

RT: 7.092 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

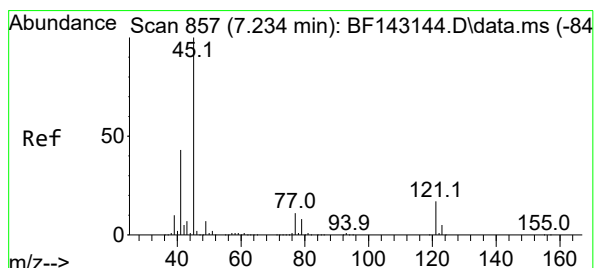
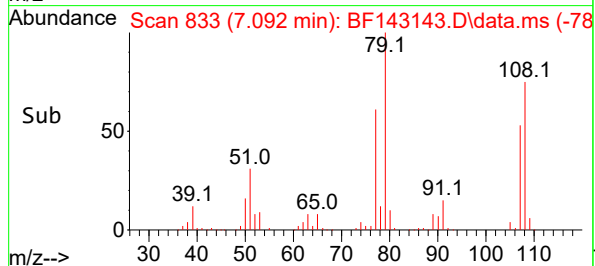
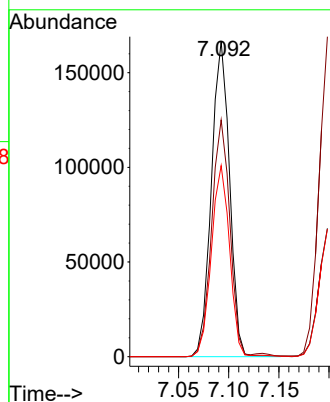
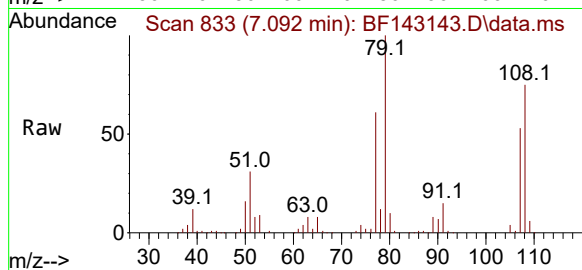
Tgt Ion: 79 Resp: 210016

Ion Ratio Lower Upper

79 100

108 75.0 61.1 91.7

77 60.5 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.680 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

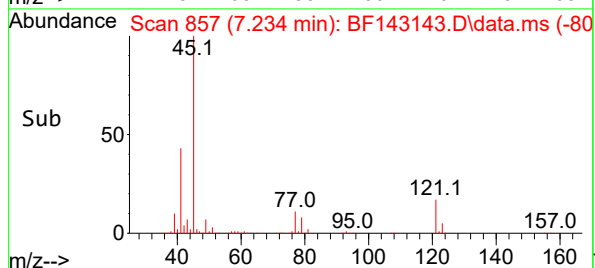
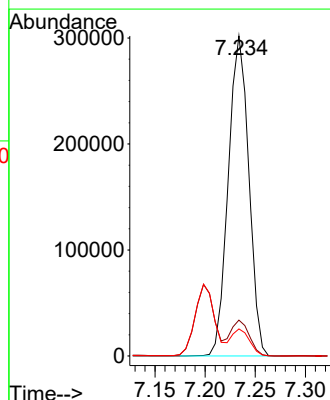
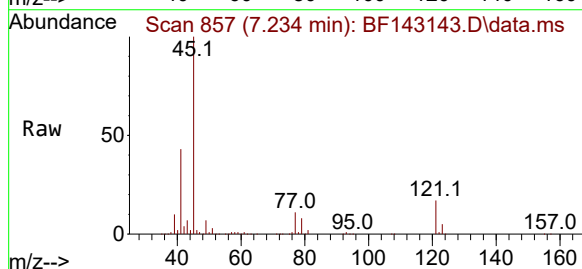
Tgt Ion: 45 Resp: 428827

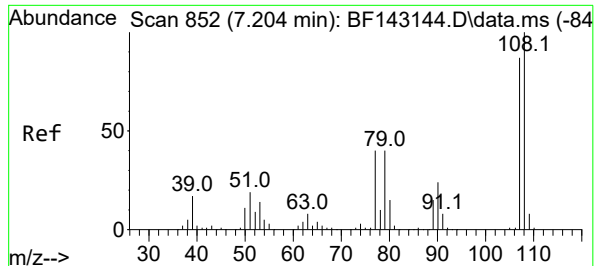
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

79 8.4 0.0 28.5

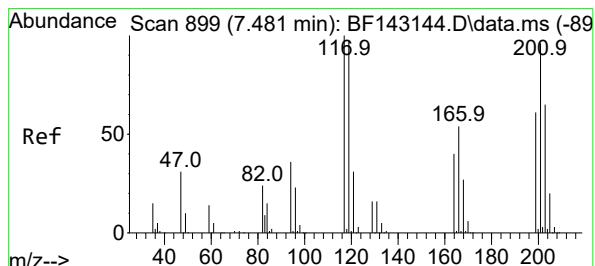
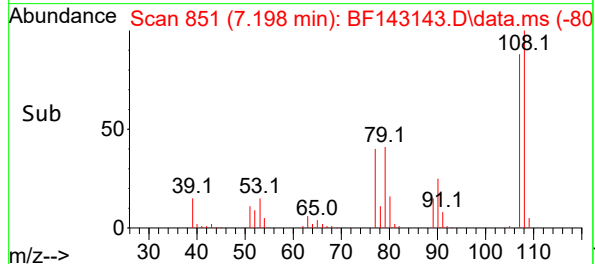
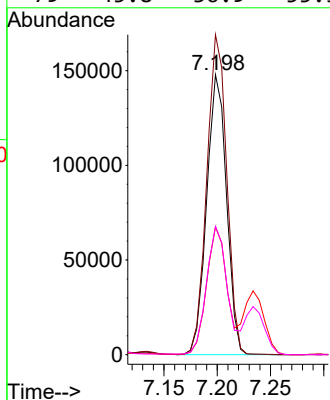
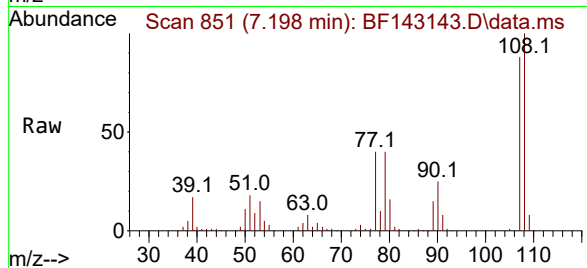




#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

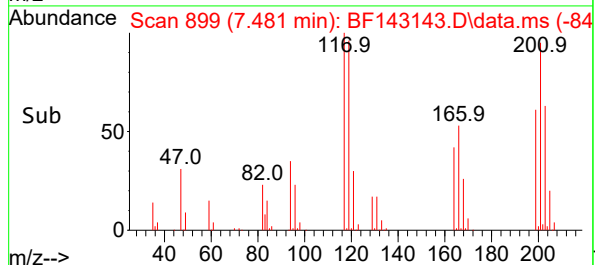
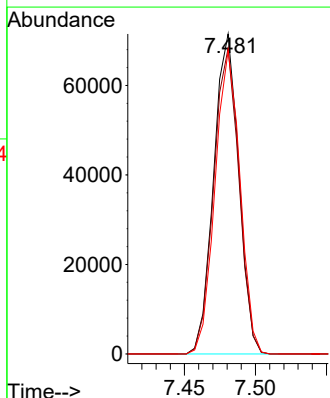
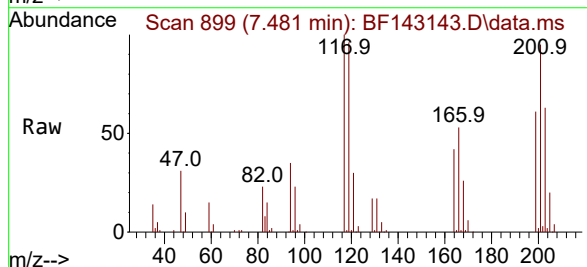
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

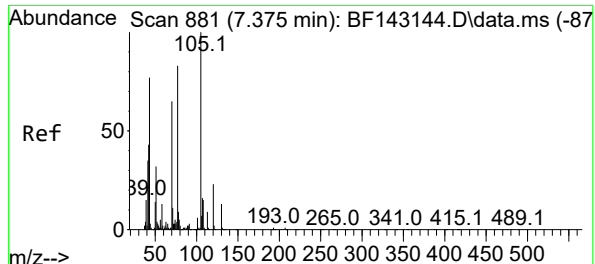
Tgt Ion:	107	Resp:	192172
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.8	137.6
77	45.6	37.0	55.6
79	45.8	36.9	55.3



#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:	117	Resp:	88036
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.8
201	94.8	77.0	115.4

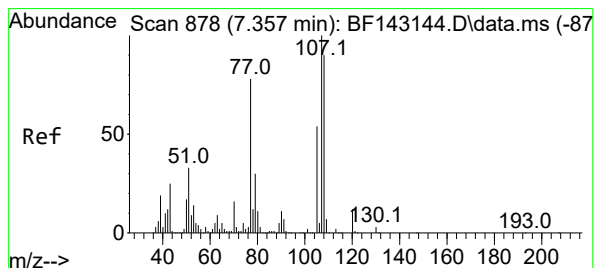
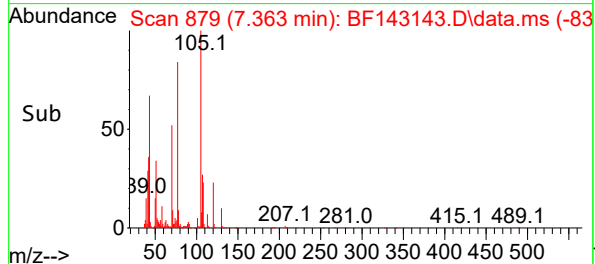
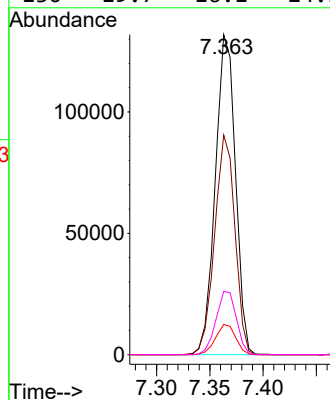
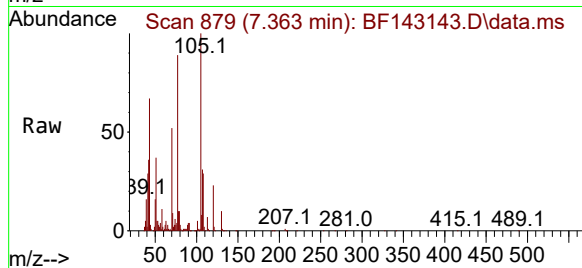




#19
n-Nitroso-di-n-propylamine
Concen: 20.137 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

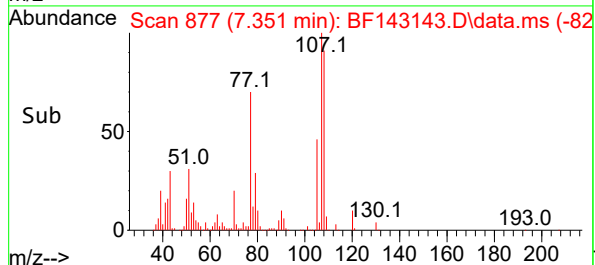
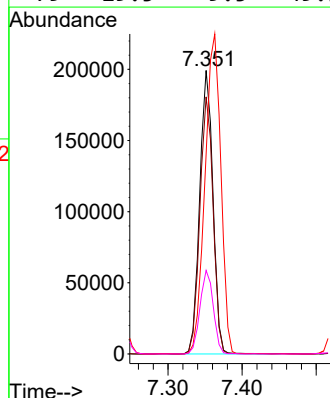
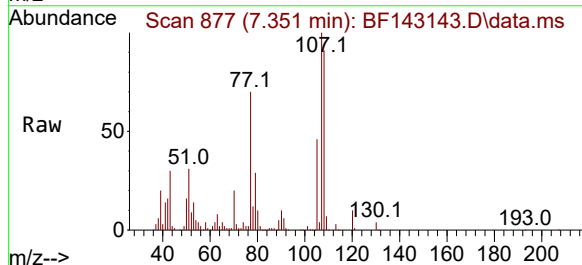
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

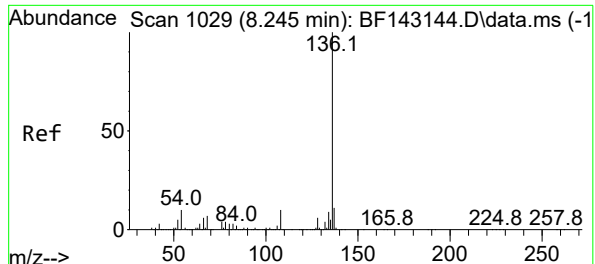
Tgt Ion: 70 Resp: 173142
Ion Ratio Lower Upper
70 100
42 68.6 52.5 78.7
101 9.4 7.6 11.4
130 19.7 16.1 24.1



#20
3+4-Methylphenols
Concen: 21.745 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 107 Resp: 247578
Ion Ratio Lower Upper
107 100
108 90.7 70.0 110.0
77 70.4 57.8 97.8
79 29.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 642580

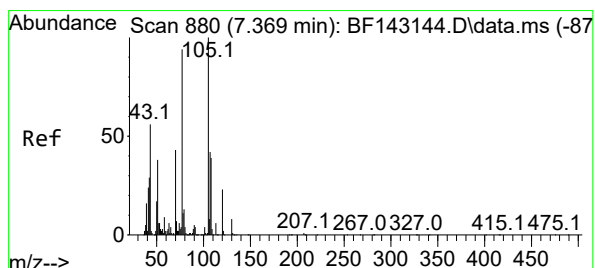
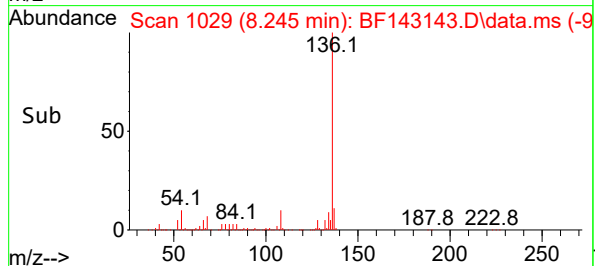
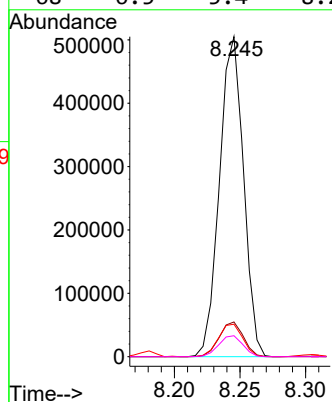
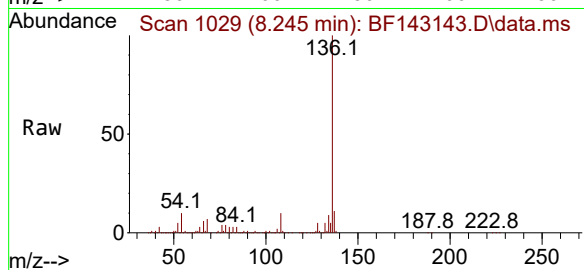
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.2 8.2 12.2

68 6.5 5.4 8.2



#22

Acetophenone

Concen: 21.151 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Tgt Ion:105 Resp: 321774

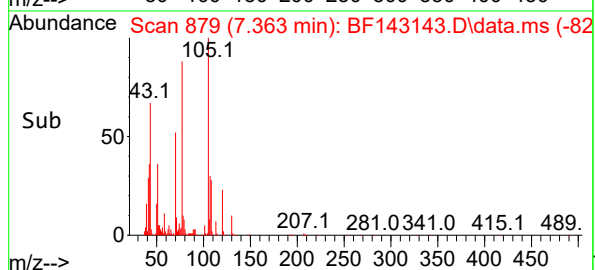
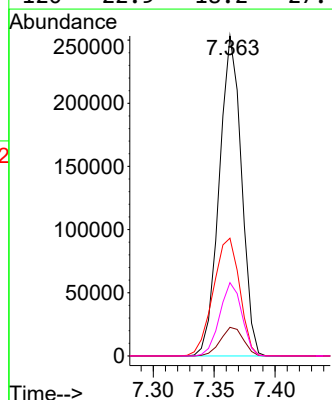
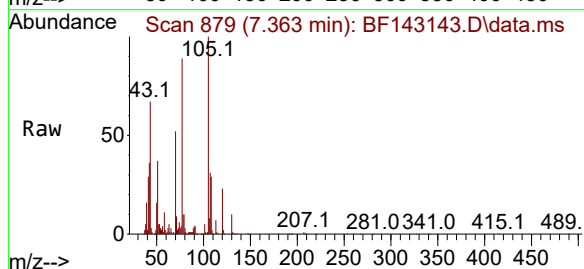
Ion Ratio Lower Upper

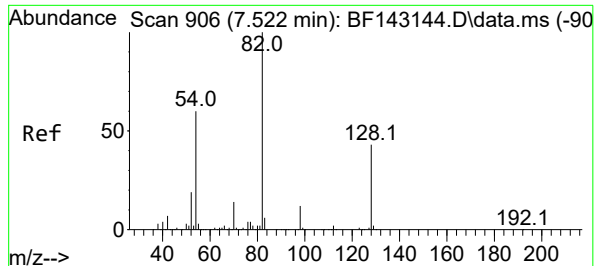
105 100

71 9.0 5.8 8.6

51 36.8 30.2 45.2

120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 41.547 ng m

RT: 7.516 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

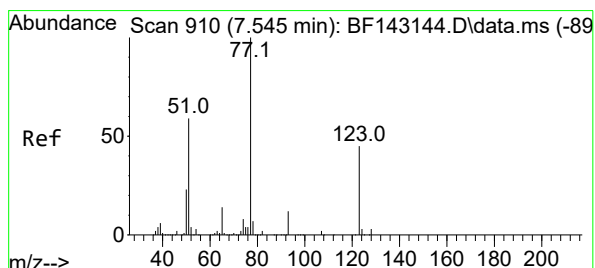
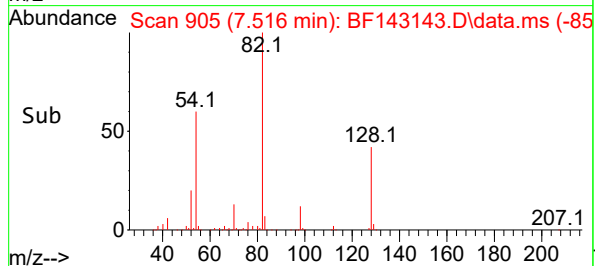
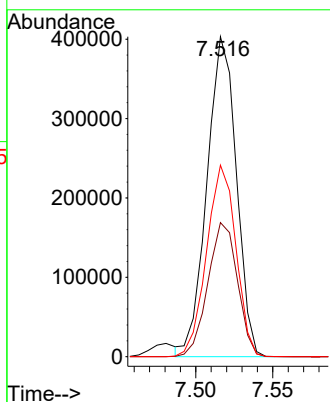
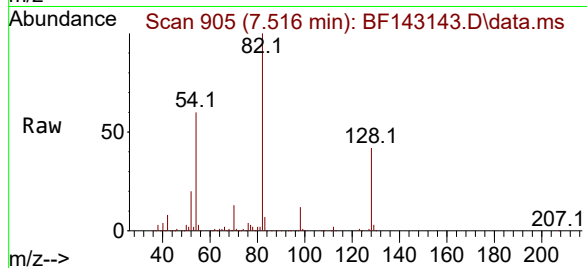
Tgt Ion: 82 Resp: 535581

Ion Ratio Lower Upper

82 100

128 41.9 33.6 50.4

54 59.8 47.1 70.7



#24

Nitrobenzene

Concen: 20.739 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

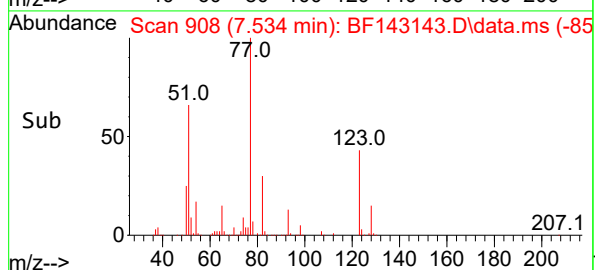
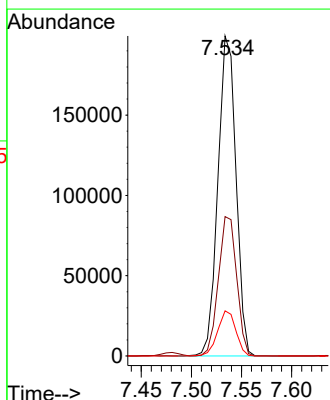
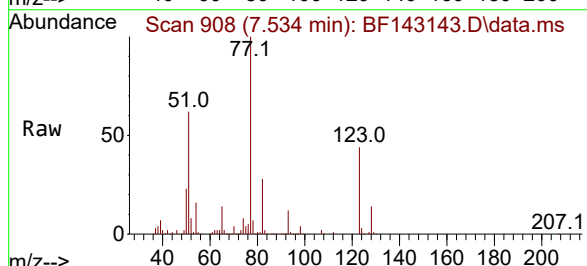
Tgt Ion: 77 Resp: 249251

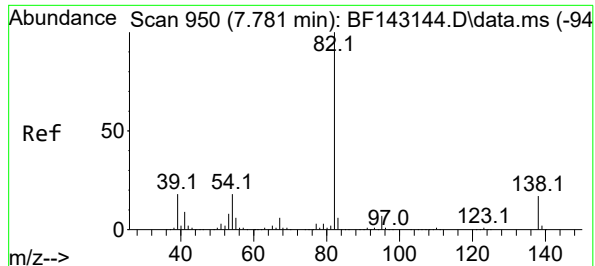
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

65 14.1 11.4 17.2





#25

Isophorone

Concen: 20.088 ng

RT: 7.775 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

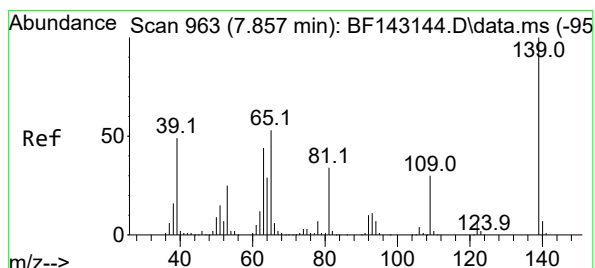
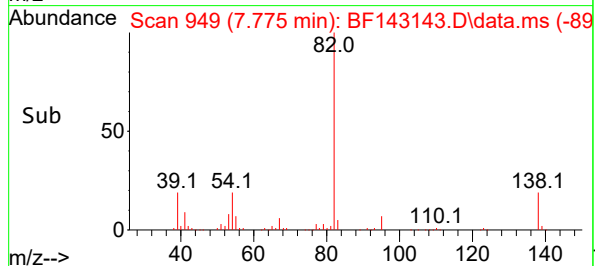
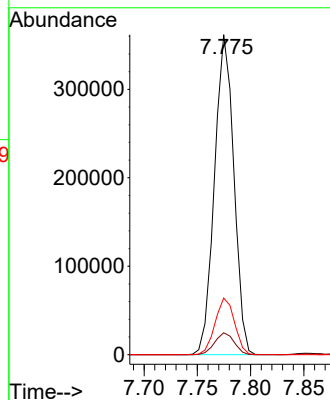
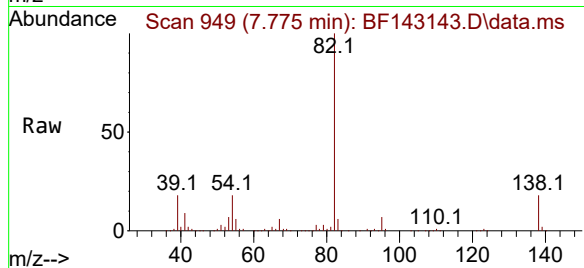
Tgt Ion: 82 Resp: 457146

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

138 17.7 13.8 20.8



#26

2-Nitrophenol

Concen: 20.261 ng

RT: 7.851 min Scan# 962

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

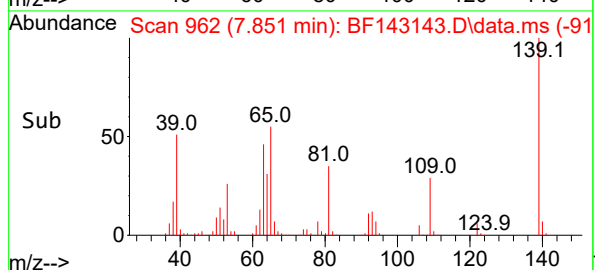
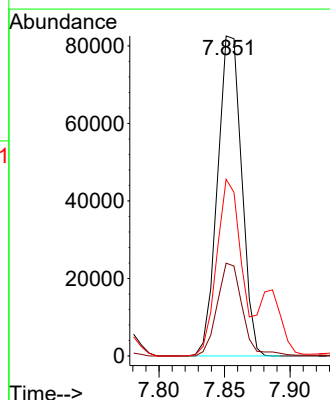
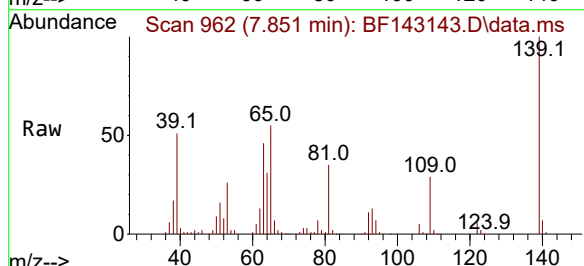
Tgt Ion: 139 Resp: 105681

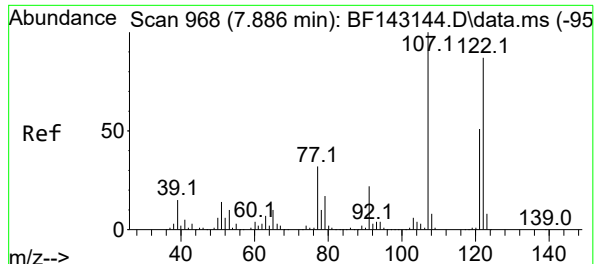
Ion Ratio Lower Upper

139 100

109 29.0 23.6 35.4

65 55.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 20.594 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

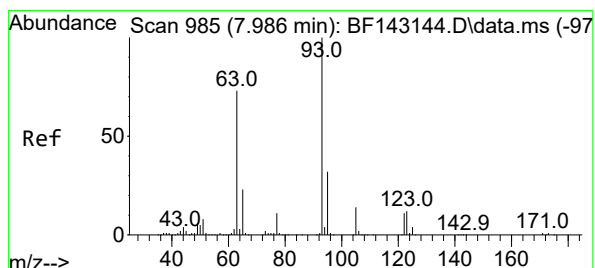
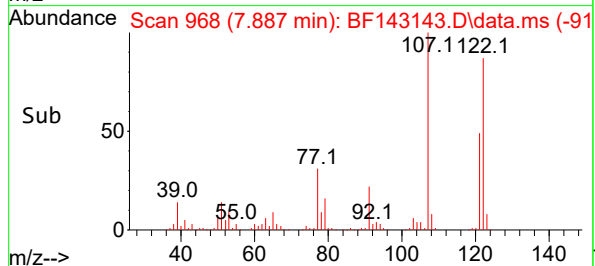
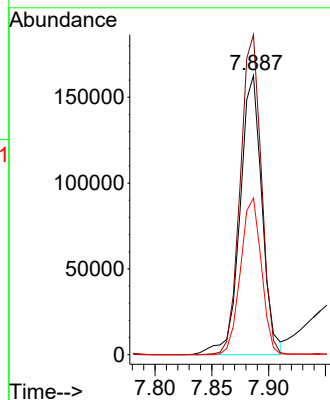
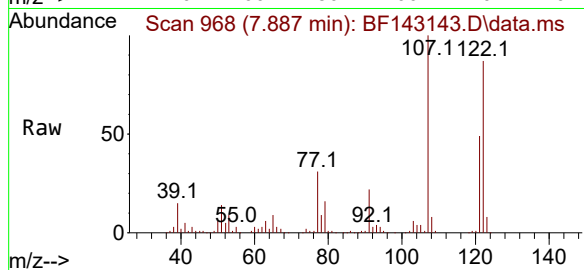
Tgt Ion:122 Resp: 218960

Ion Ratio Lower Upper

122 100

107 114.5 91.8 137.6

121 56.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 20.811 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

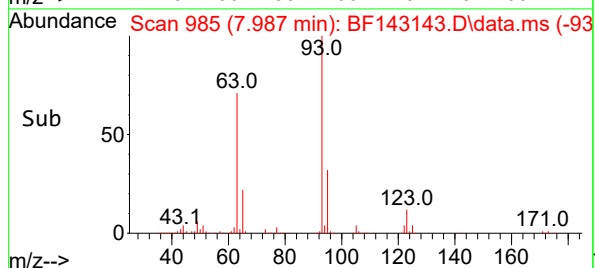
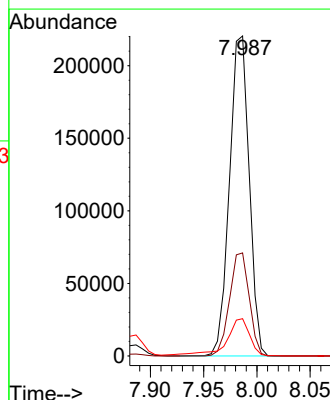
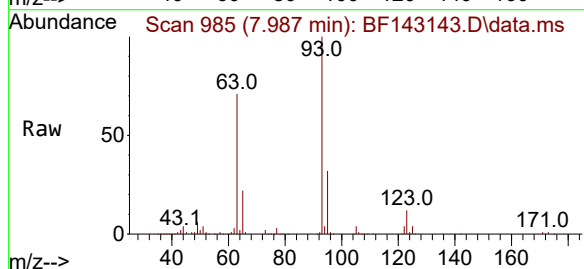
Tgt Ion: 93 Resp: 283946

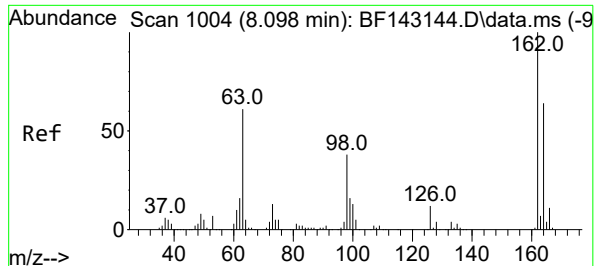
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 11.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 20.569 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

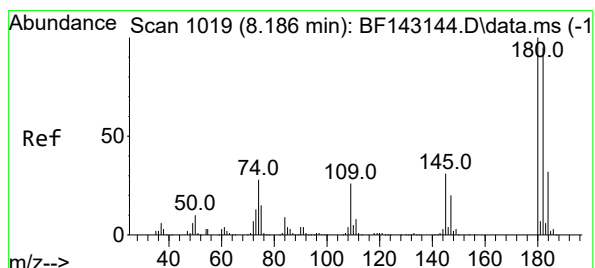
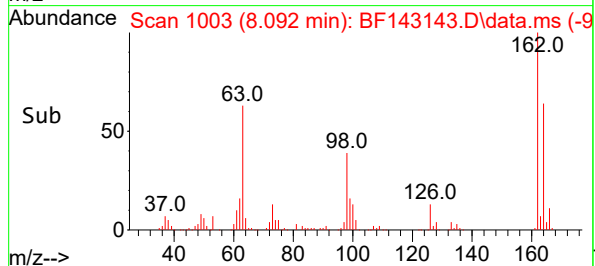
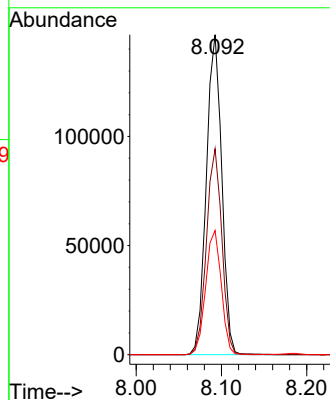
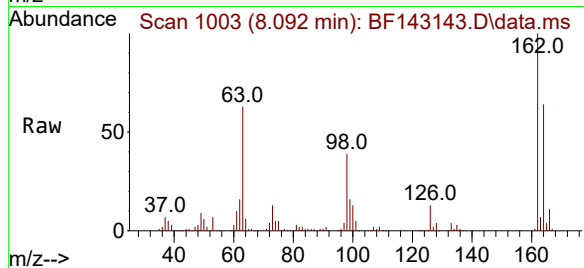
Tgt Ion:162 Resp: 184432

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

98 38.8 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 21.070 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

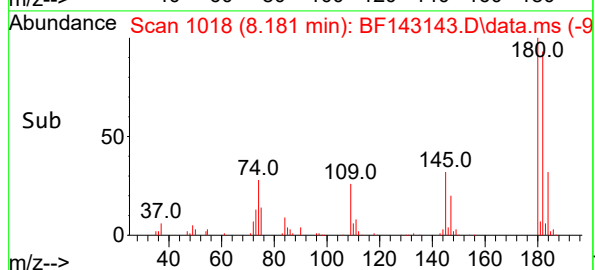
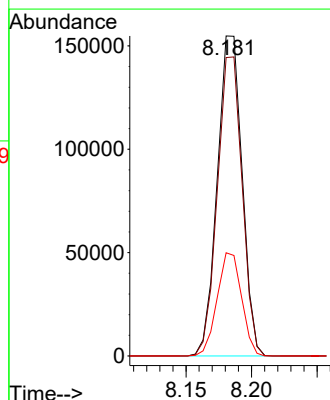
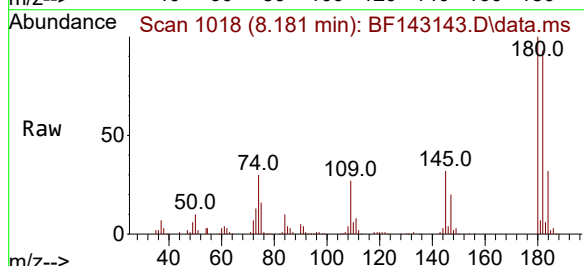
Tgt Ion:180 Resp: 204103

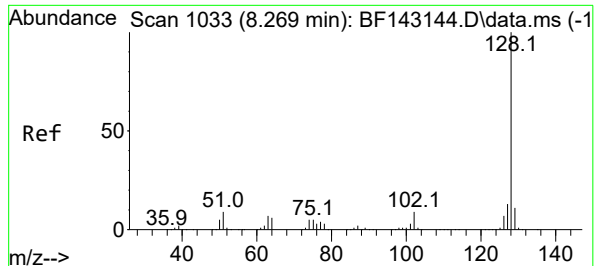
Ion Ratio Lower Upper

180 100

182 93.3 76.2 114.2

145 32.2 25.0 37.6





#31

Naphthalene

Concen: 20.949 ng

RT: 8.263 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

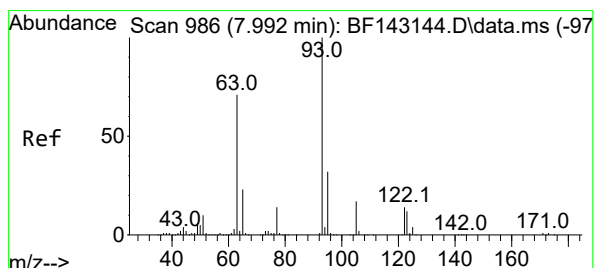
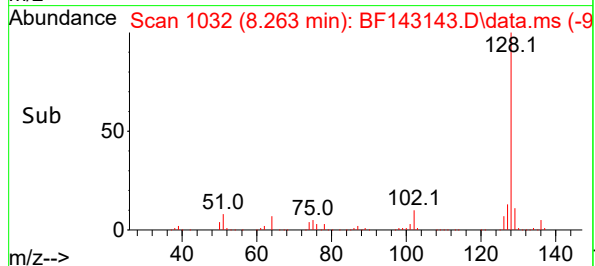
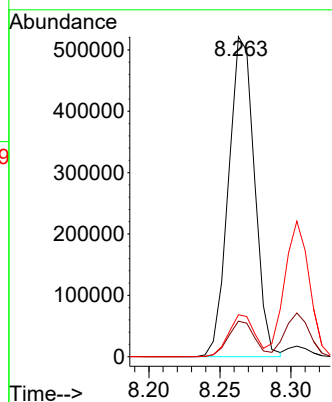
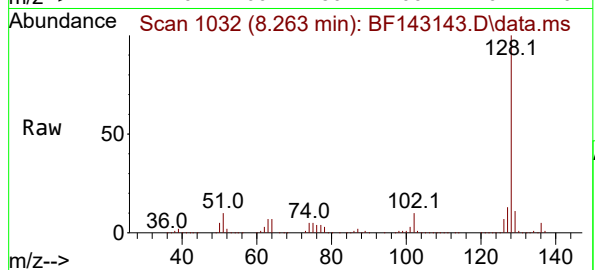
Tgt Ion:128 Resp: 662968

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 19.382 ng m

RT: 7.957 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

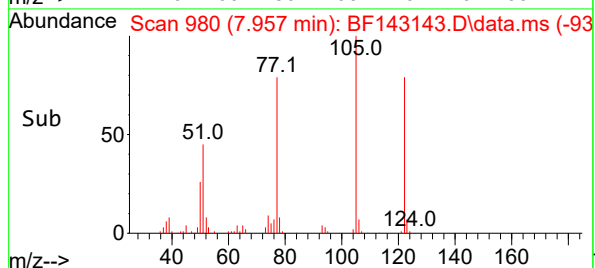
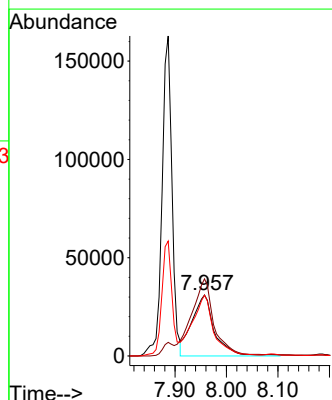
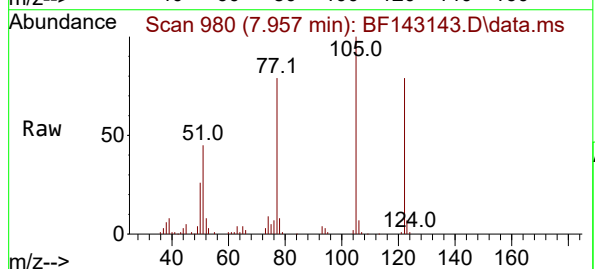
Tgt Ion:122 Resp: 95515

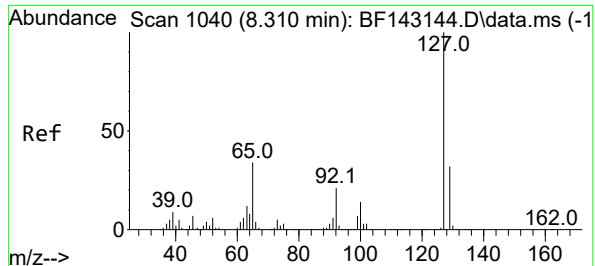
Ion Ratio Lower Upper

122 100

105 126.7 104.8 144.8

77 99.7 77.6 117.6





#33

4-Chloroaniline

Concen: 20.825 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 269101

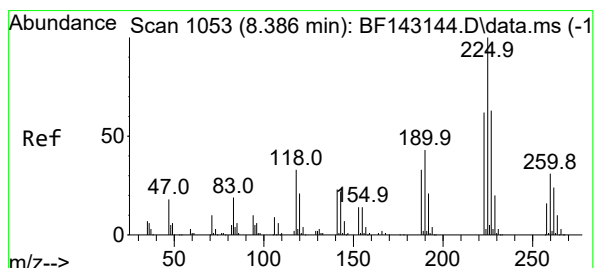
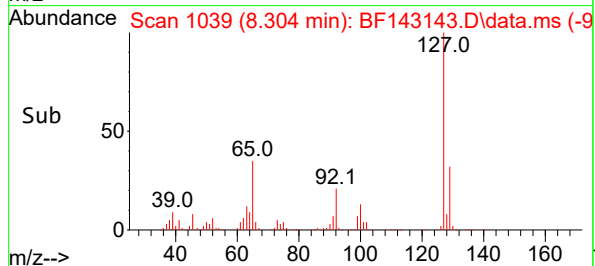
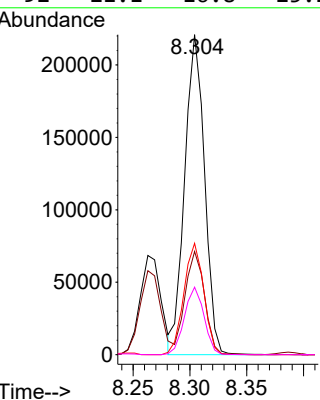
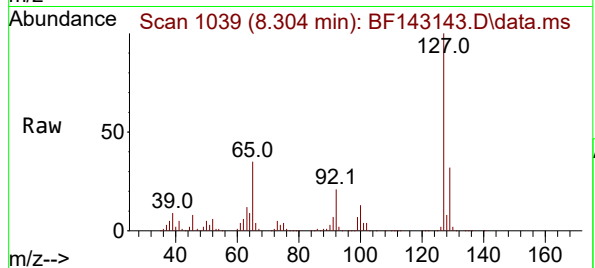
Ion Ratio Lower Upper

127 100

129 32.2 26.0 39.0

65 34.8 27.4 41.2

92 21.1 16.8 25.2



#34

Hexachlorobutadiene

Concen: 20.722 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

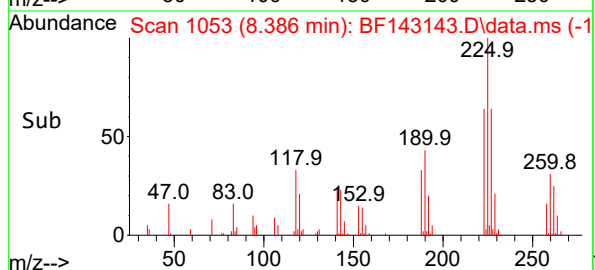
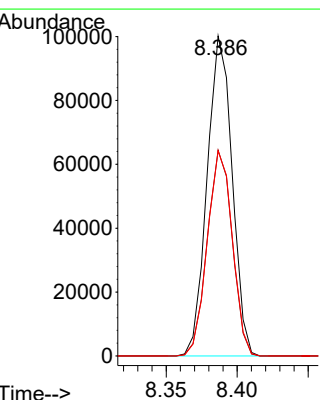
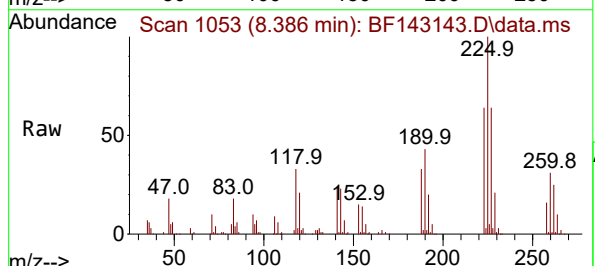
Tgt Ion:225 Resp: 122624

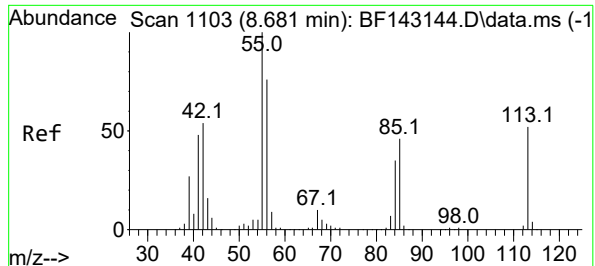
Ion Ratio Lower Upper

225 100

223 64.3 49.8 74.6

227 64.1 50.2 75.4





#35

Caprolactam

Concen: 19.911 ng

RT: 8.651 min Scan# 1109

Delta R.T. -0.029 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

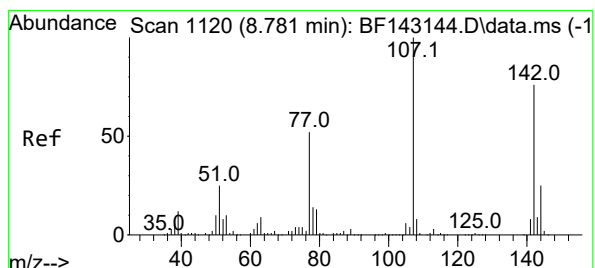
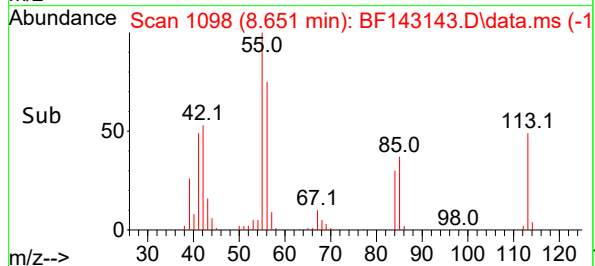
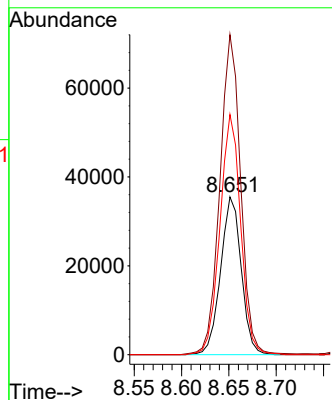
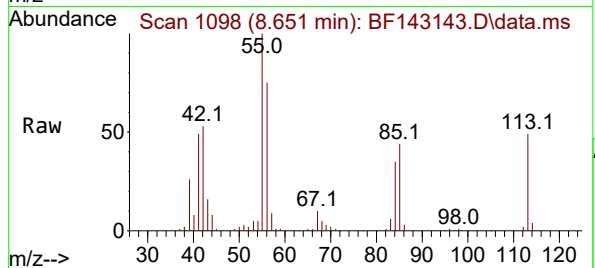
Tgt Ion:113 Resp: 53950

Ion Ratio Lower Upper

113 100

55 202.9 174.0 214.0

56 152.2 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 20.246 ng

RT: 8.775 min Scan# 1119

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

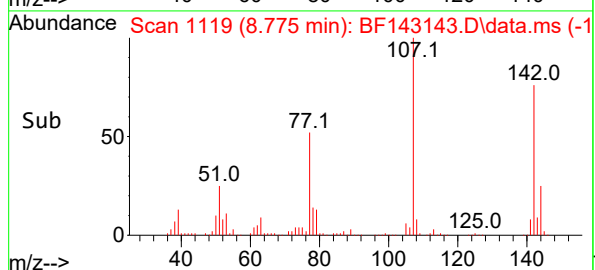
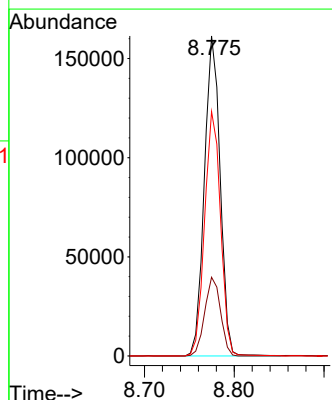
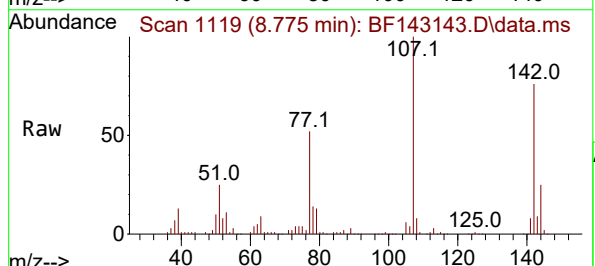
Tgt Ion:107 Resp: 197317

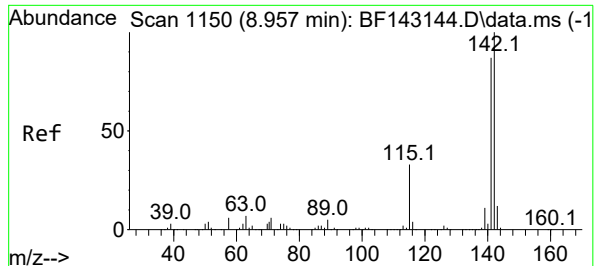
Ion Ratio Lower Upper

107 100

144 24.6 19.8 29.6

142 76.4 60.6 90.8





#37

2-Methylnaphthalene

Concen: 20.943 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

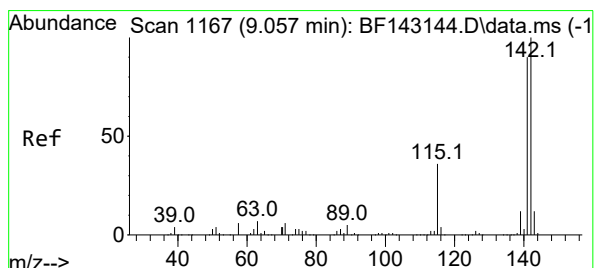
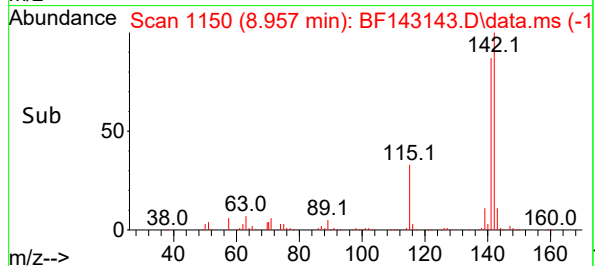
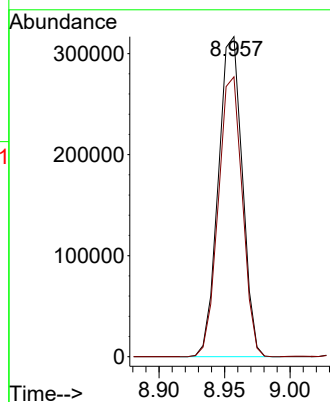
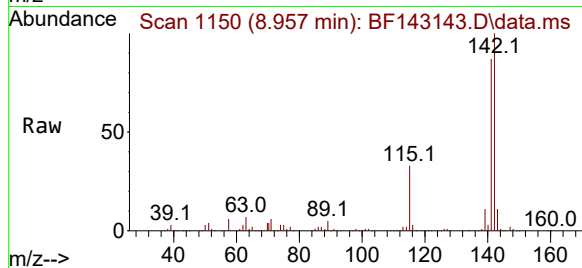
SSTDICC020

Tgt Ion:142 Resp: 403298

Ion Ratio Lower Upper

142 100

141 87.5 69.9 104.9



#38

1-Methylnaphthalene

Concen: 21.060 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143143.D

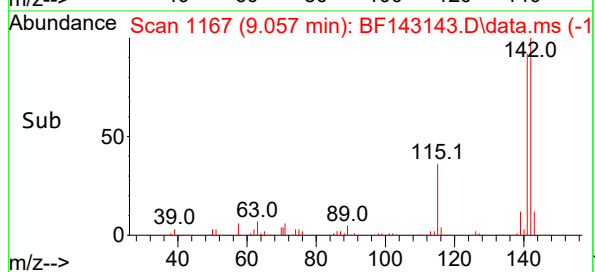
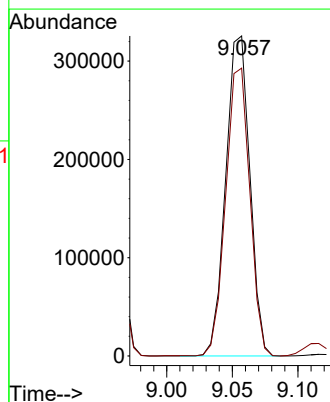
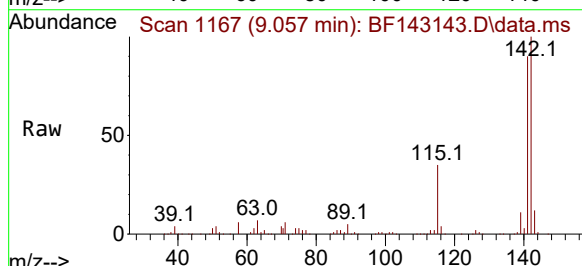
Acq: 17 Jul 2025 12:34

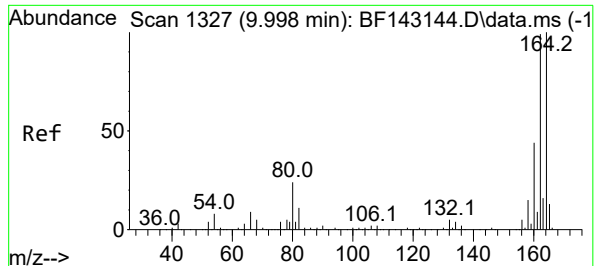
Tgt Ion:142 Resp: 417629

Ion Ratio Lower Upper

142 100

141 90.0 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

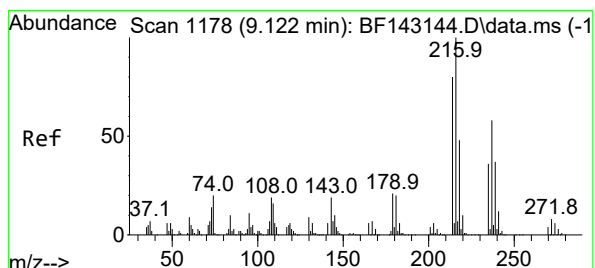
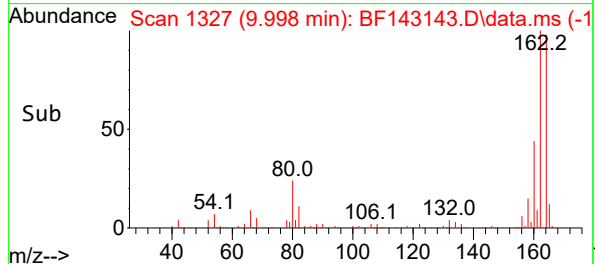
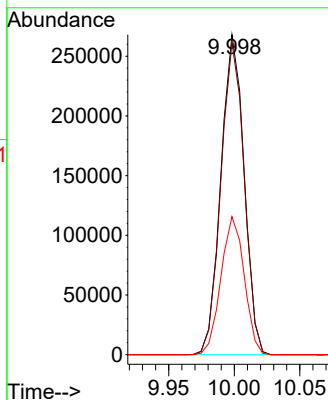
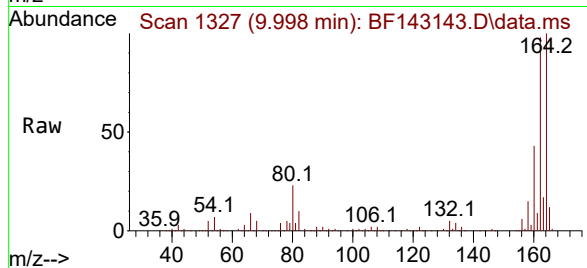
Tgt Ion:164 Resp: 329670

Ion Ratio Lower Upper

164 100

162 97.5 79.0 118.6

160 43.2 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.804 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Tgt Ion:216 Resp: 198009

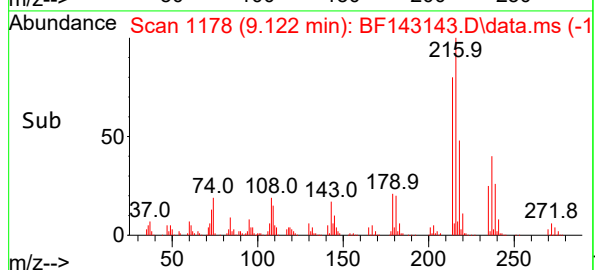
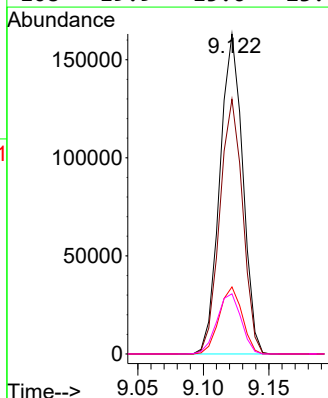
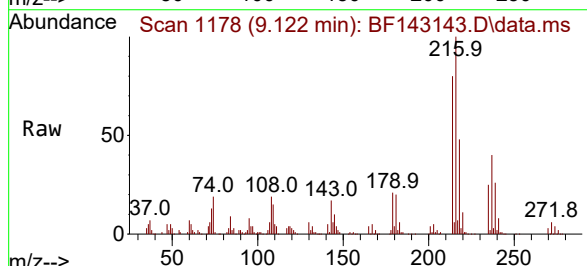
Ion Ratio Lower Upper

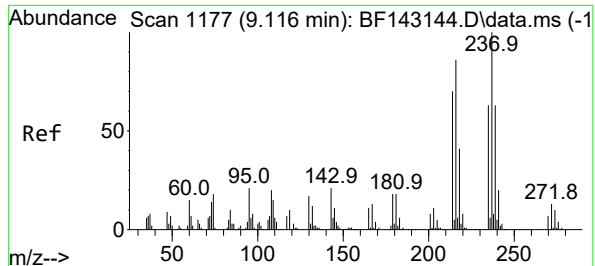
216 100

214 79.4 63.8 95.8

179 21.0 16.4 24.6

108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 19.848 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

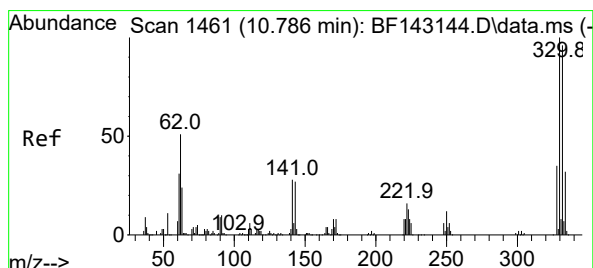
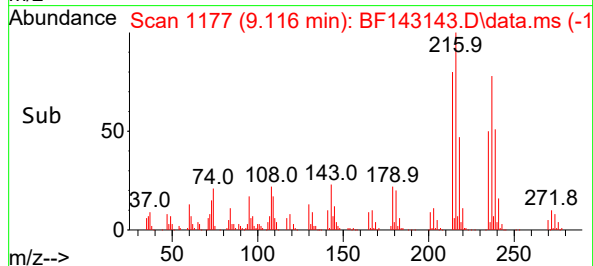
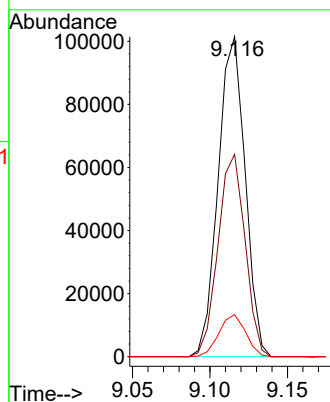
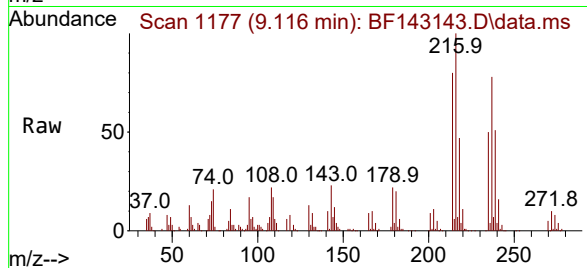
Tgt Ion:237 Resp: 122922

Ion Ratio Lower Upper

237 100

235 63.2 43.0 83.0

272 13.2 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 41.034 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

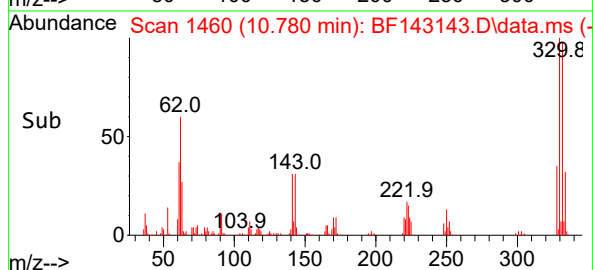
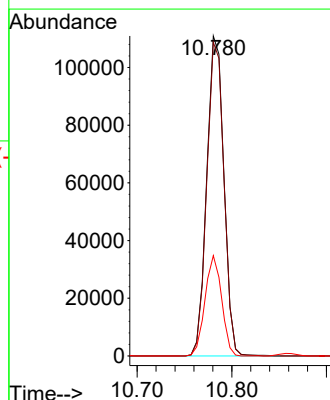
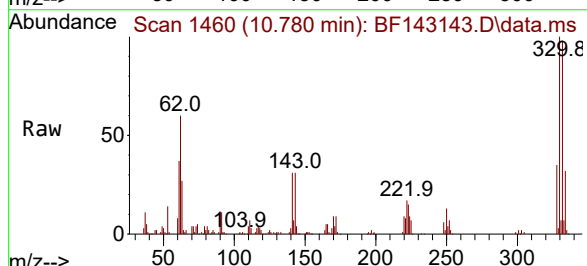
Tgt Ion:330 Resp: 139748

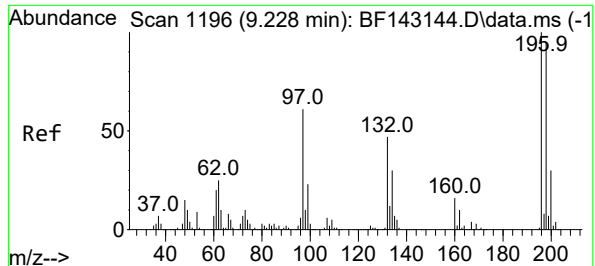
Ion Ratio Lower Upper

330 100

332 97.9 76.7 115.1

141 30.4 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 20.601 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

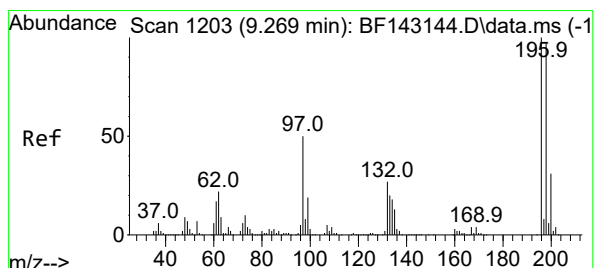
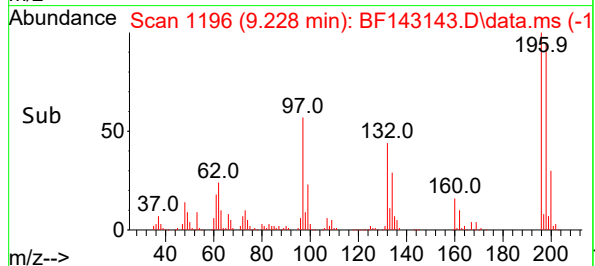
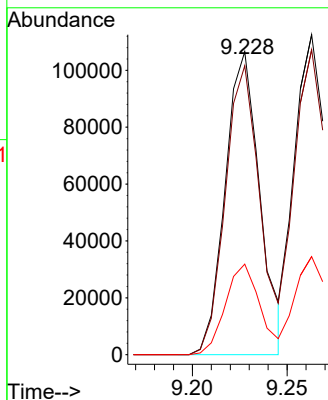
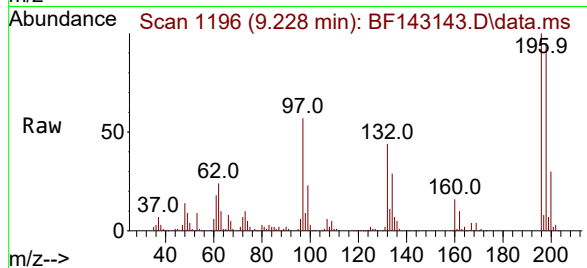
Tgt Ion:196 Resp: 135703

Ion Ratio Lower Upper

196 100

198 95.4 76.2 114.2

200 29.9 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 20.584 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Tgt Ion:196 Resp: 135634

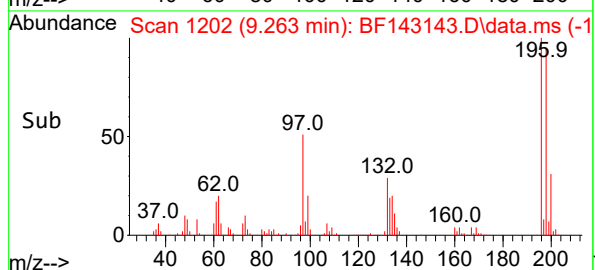
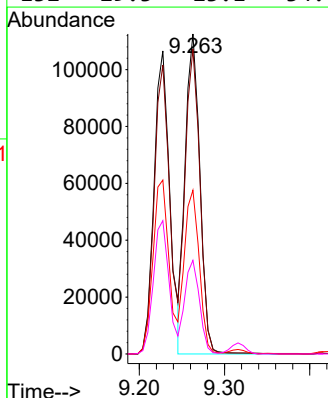
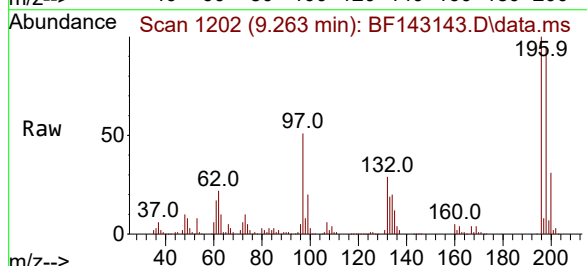
Ion Ratio Lower Upper

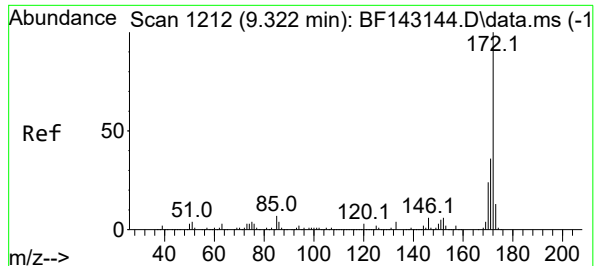
196 100

198 95.3 77.3 115.9

97 51.2 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 42.301 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

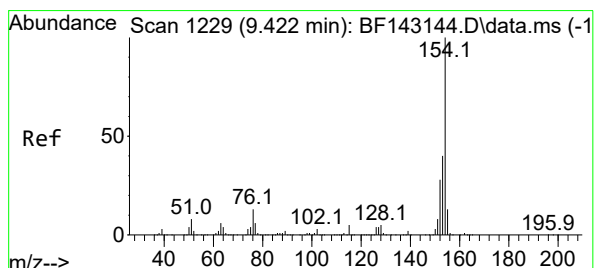
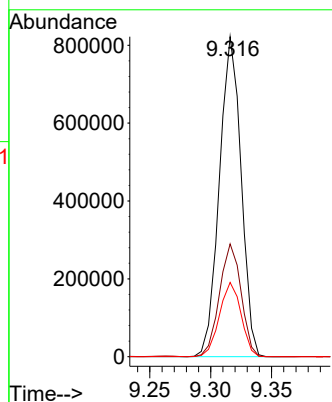
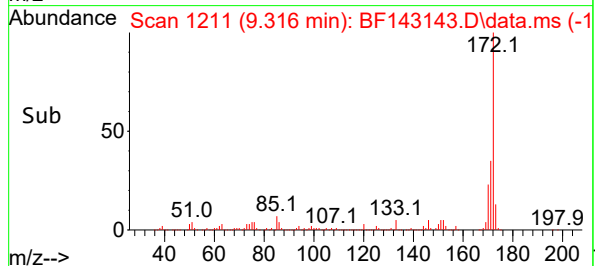
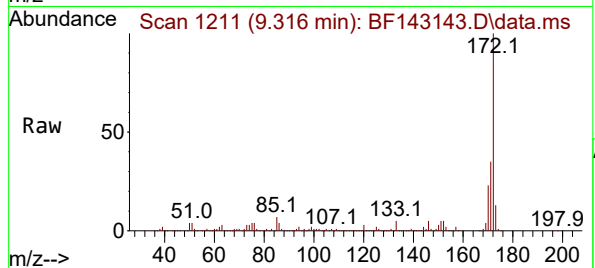
Tgt Ion:172 Resp: 1019688

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 21.019 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

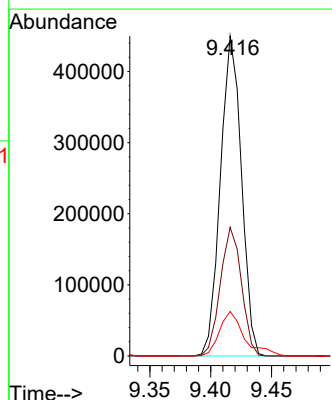
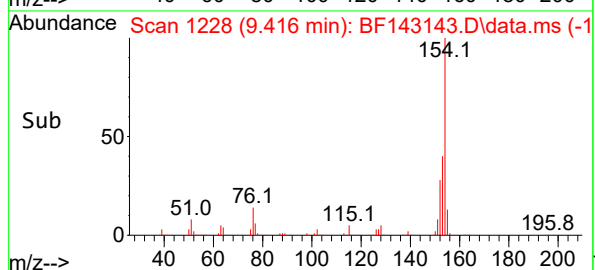
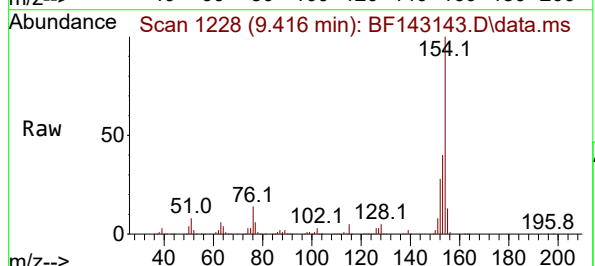
Tgt Ion:154 Resp: 540637

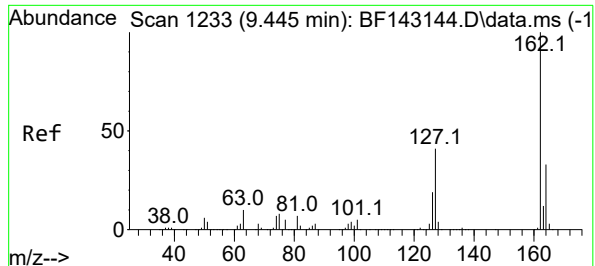
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.9 0.0 33.3





#47

2-Chloronaphthalene

Concen: 20.650 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

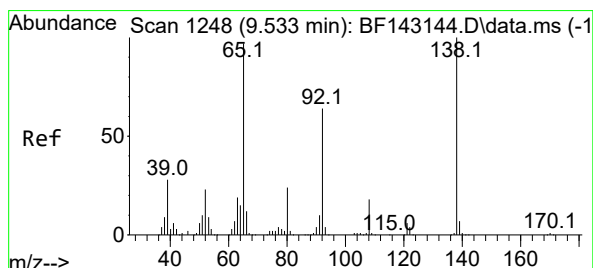
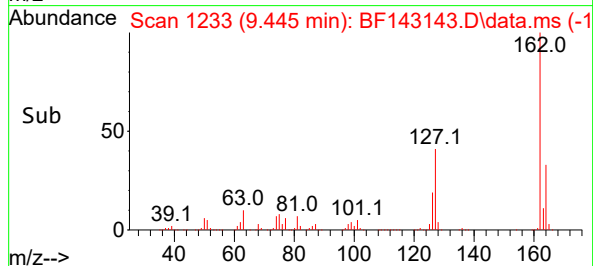
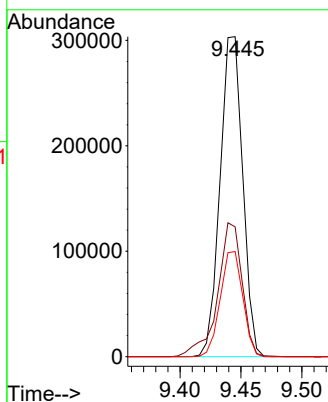
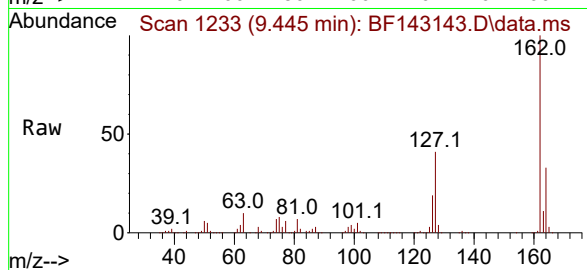
Tgt Ion:162 Resp: 393002

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

164 32.9 26.2 39.2



#48

2-Nitroaniline

Concen: 20.528 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

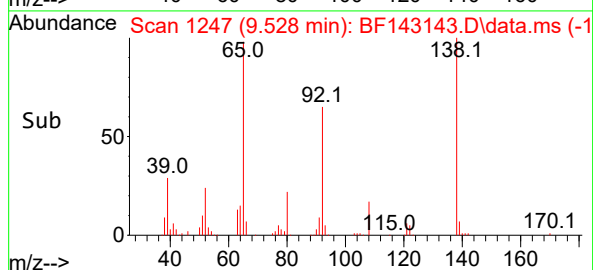
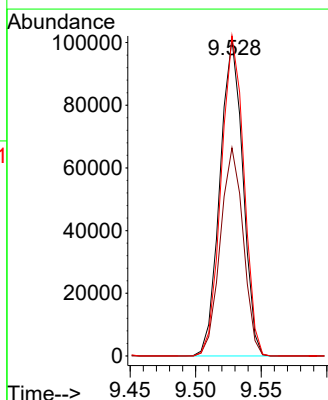
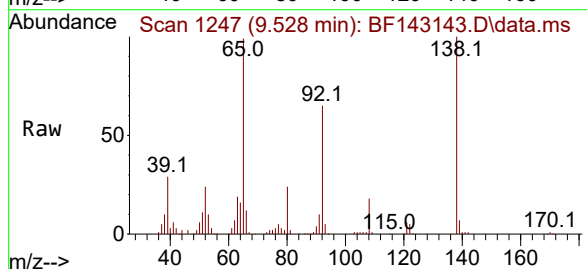
Tgt Ion: 65 Resp: 122517

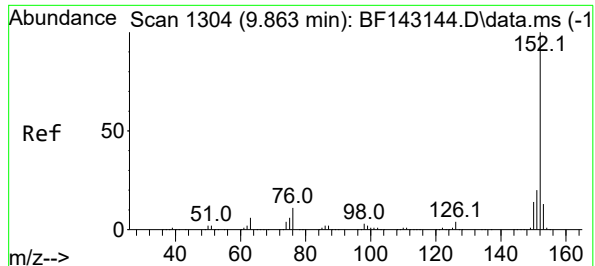
Ion Ratio Lower Upper

65 100

92 65.6 52.4 78.6

138 100.8 82.3 123.5





#49

Acenaphthylene

Concen: 20.789 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

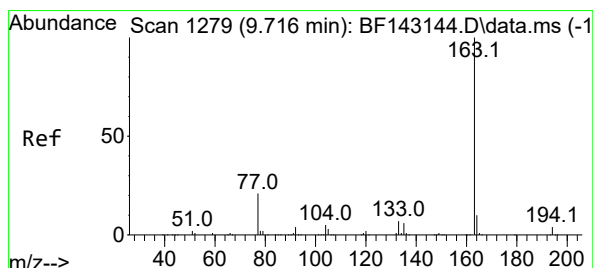
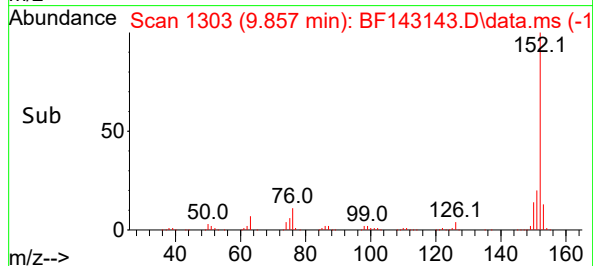
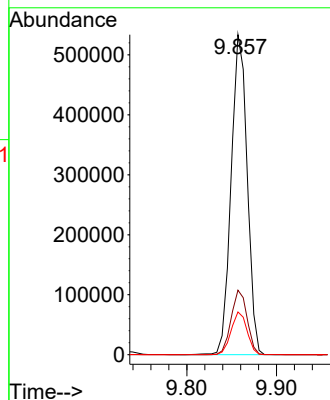
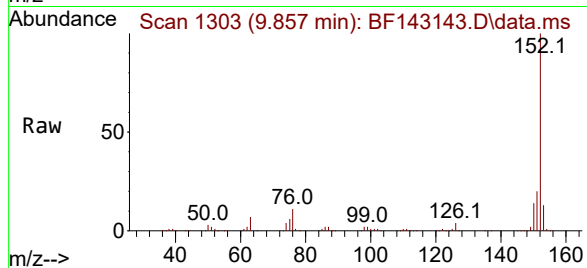
Tgt Ion:152 Resp: 663048

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 20.558 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

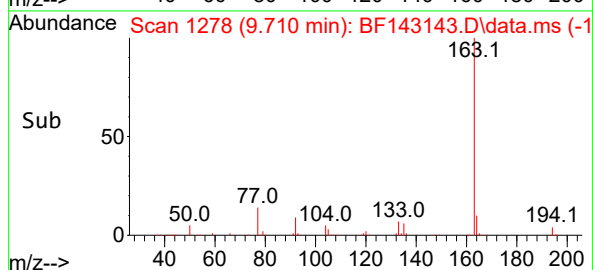
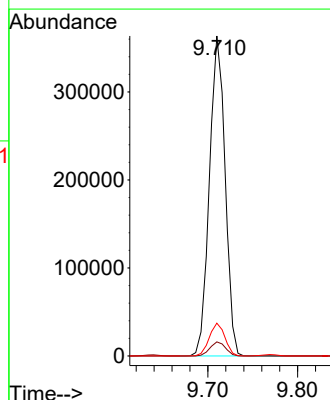
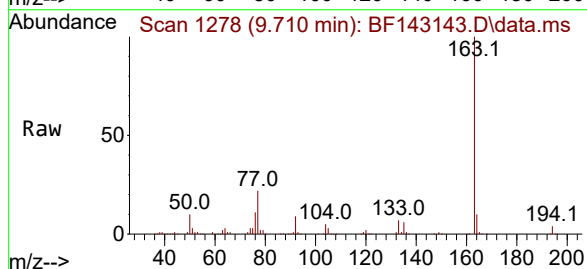
Tgt Ion:163 Resp: 441768

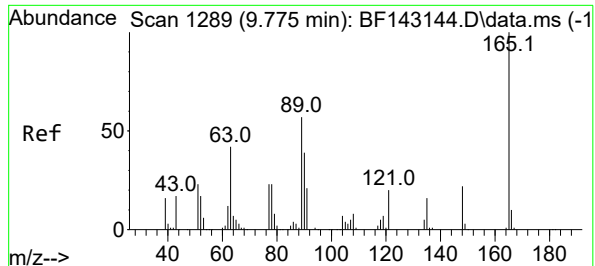
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.3 8.3 12.5

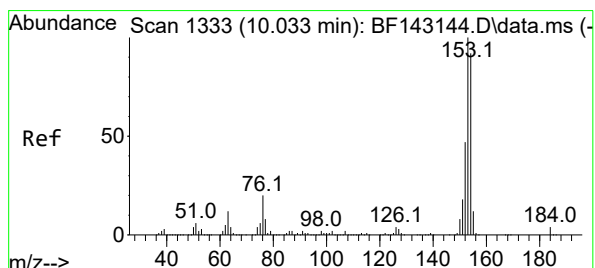
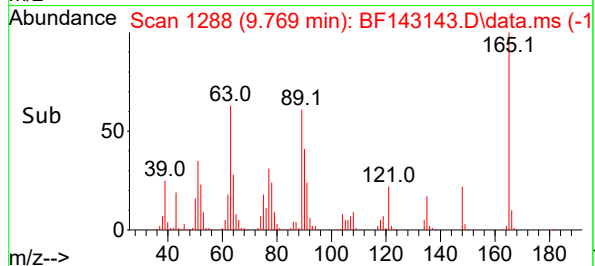
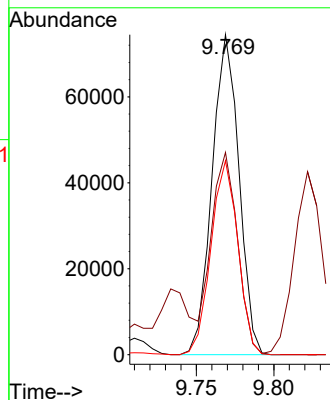
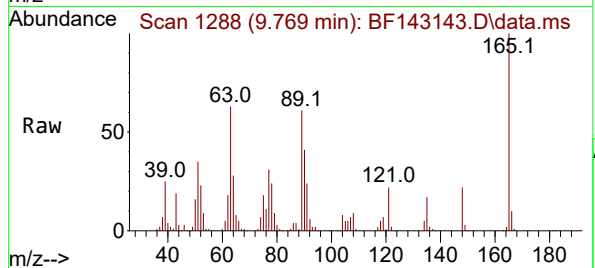




#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

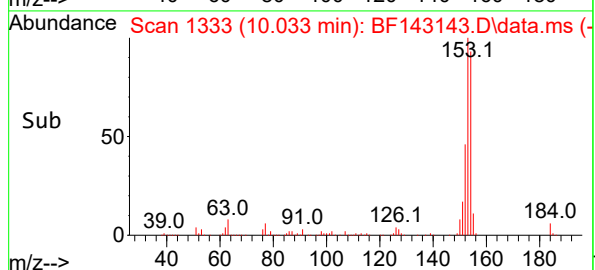
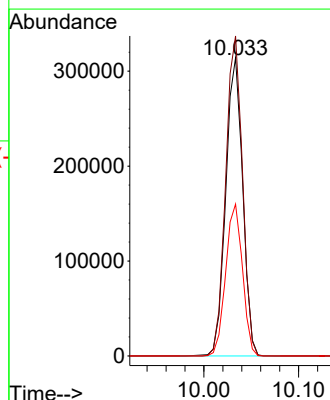
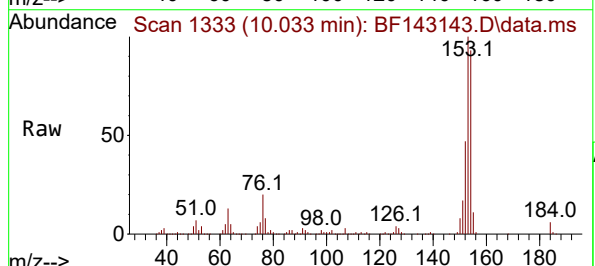
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

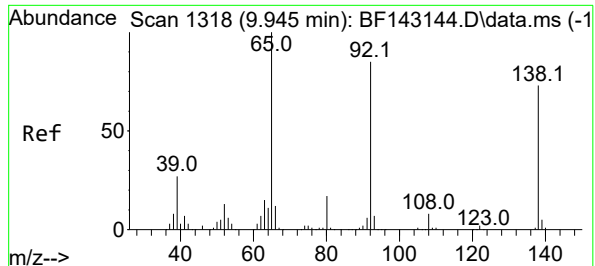
Tgt Ion:165 Resp: 89742
Ion Ratio Lower Upper
165 100
63 63.2 49.4 74.2
89 60.6 46.2 69.2



#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 390249
Ion Ratio Lower Upper
154 100
153 107.3 86.6 129.8
152 50.9 40.4 60.6

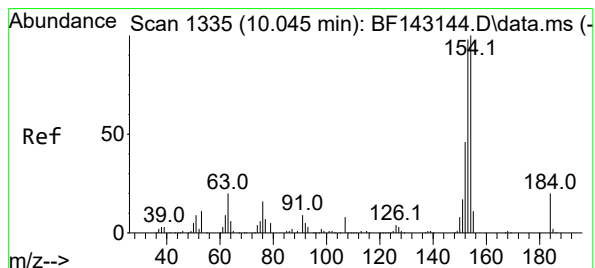
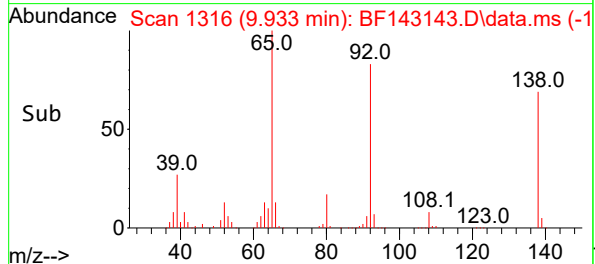
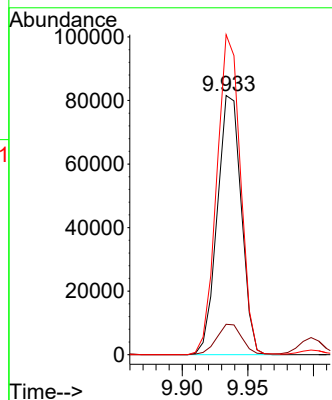
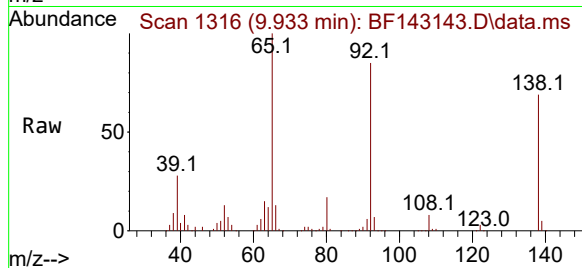




#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

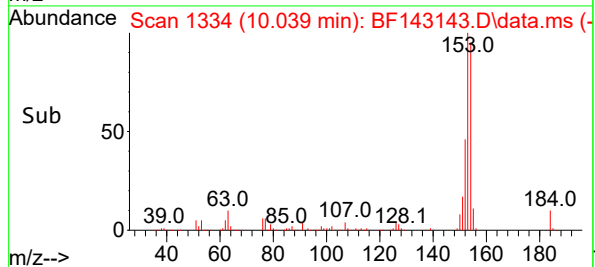
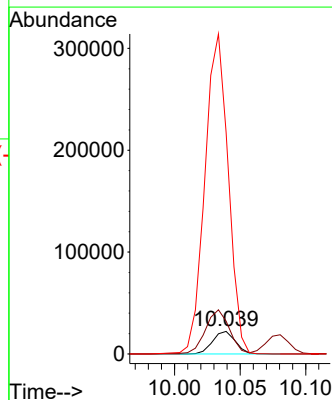
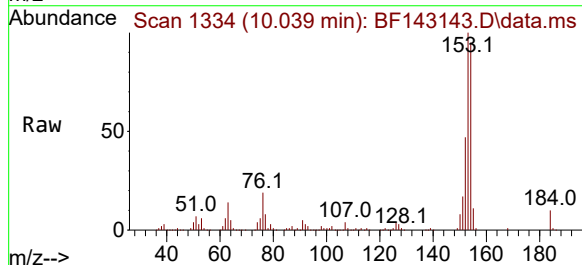
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

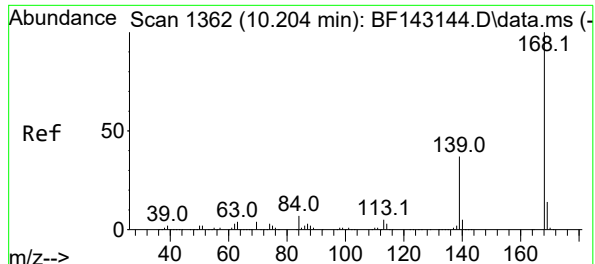
Tgt Ion:138 Resp: 103870
Ion Ratio Lower Upper
138 100
108 11.7 9.0 13.6
92 123.4 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:184 Resp: 26820
Ion Ratio Lower Upper
184 100
63 145.3 81.8 122.6#
154 980.0 412.2 618.4#





#55

Dibenzenofuran

Concen: 20.806 ng

RT: 10.204 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

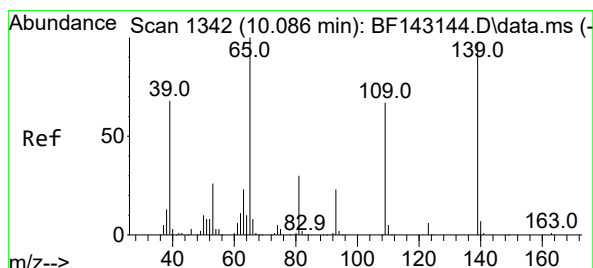
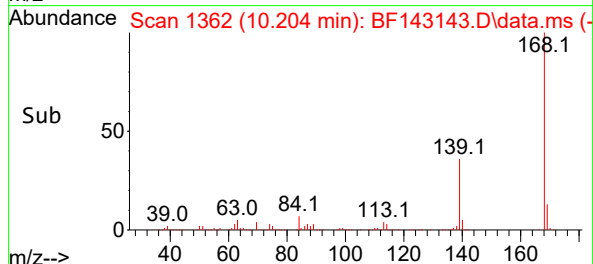
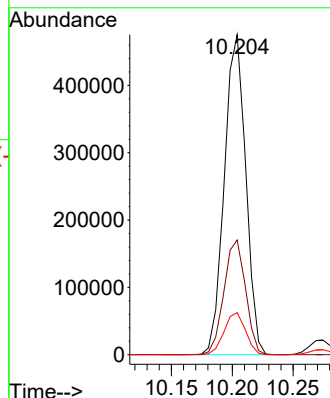
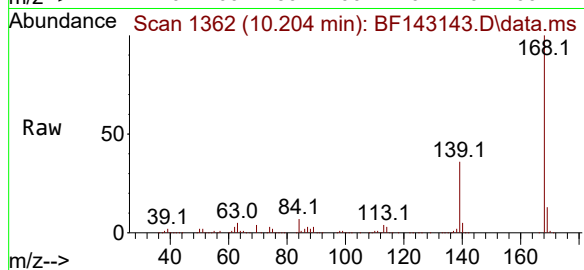
Tgt Ion:168 Resp: 582320

Ion Ratio Lower Upper

168 100

139 35.9 29.5 44.3

169 13.1 10.9 16.3



#56

4-Nitrophenol

Concen: 19.715 ng

RT: 10.081 min Scan# 1341

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

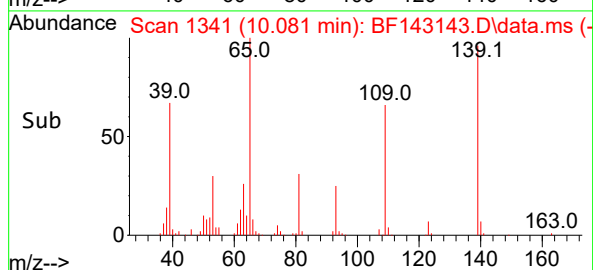
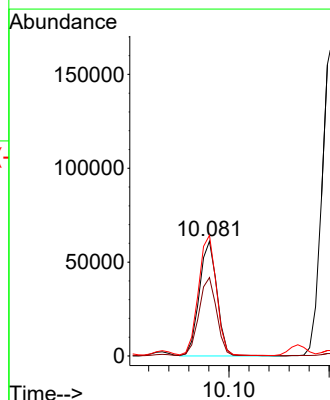
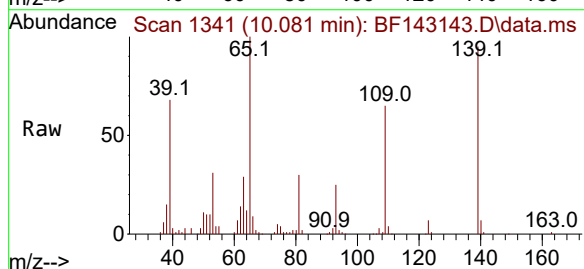
Tgt Ion:139 Resp: 75275

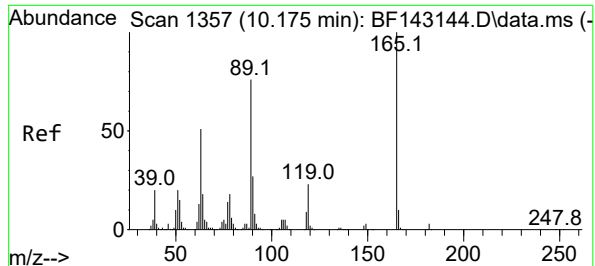
Ion Ratio Lower Upper

139 100

109 68.3 48.5 88.5

65 105.1 83.4 123.4

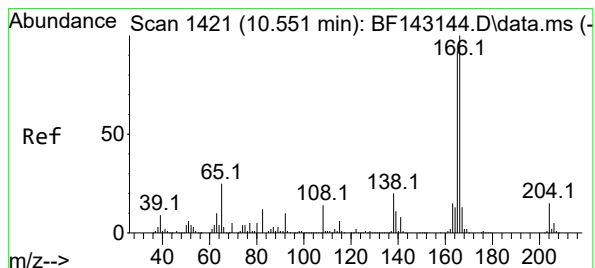
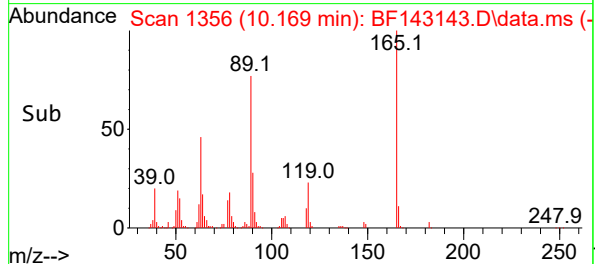
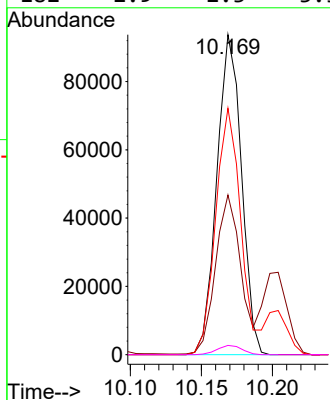
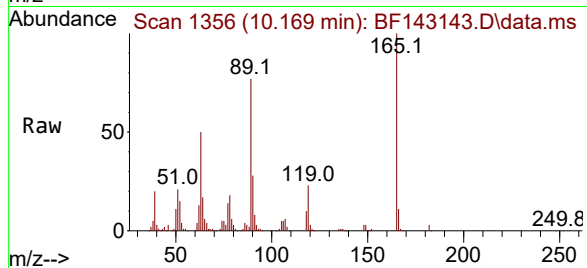




#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

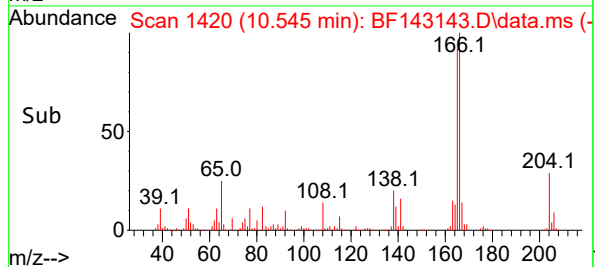
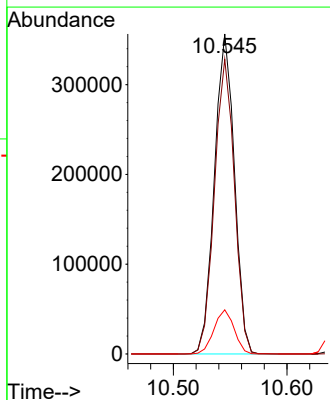
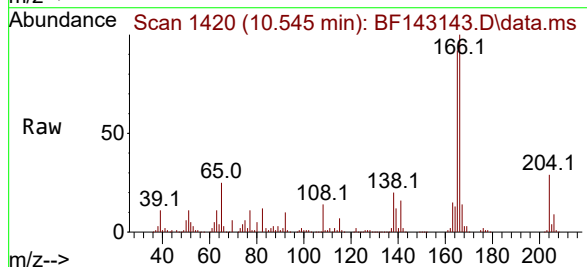
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

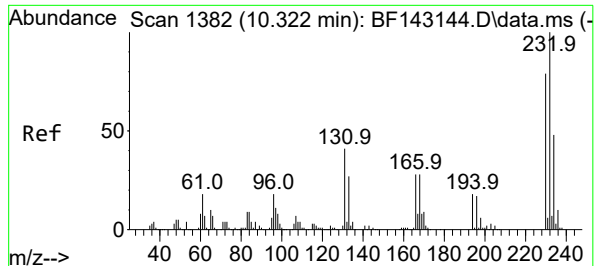
Tgt Ion:165 Resp: 112851
Ion Ratio Lower Upper
165 100
63 49.9 41.0 61.4
89 77.0 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:166 Resp: 435866
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.8 10.6 16.0

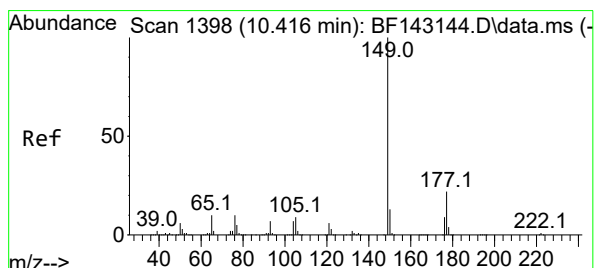
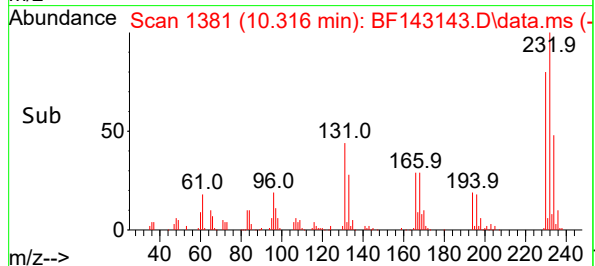
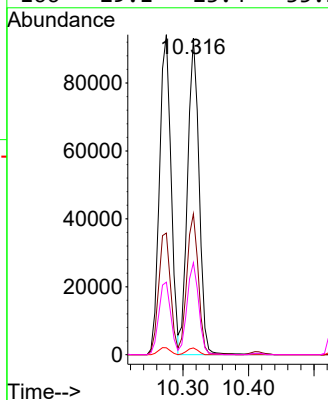
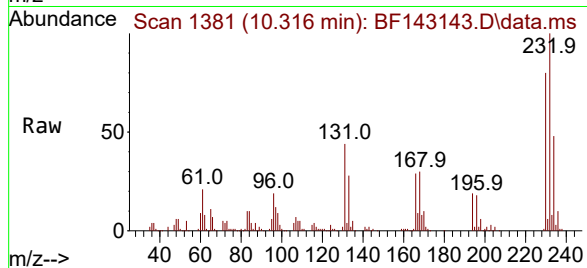




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

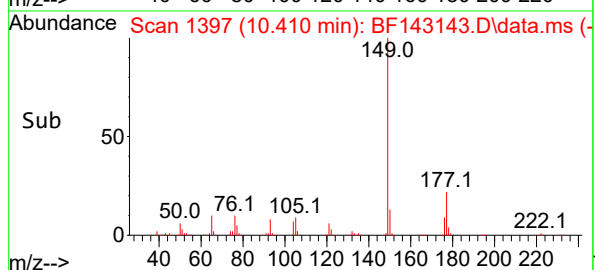
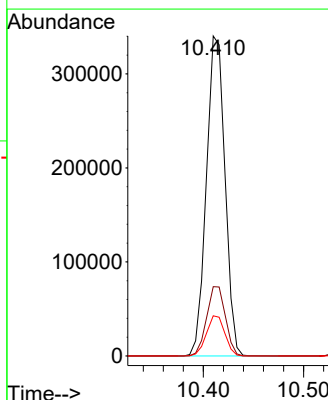
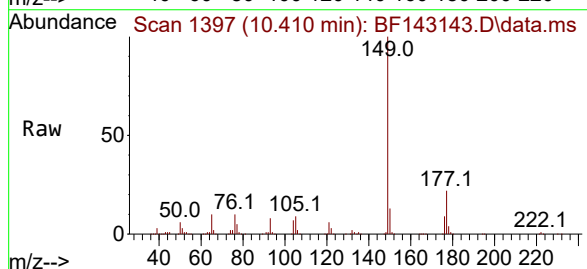
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

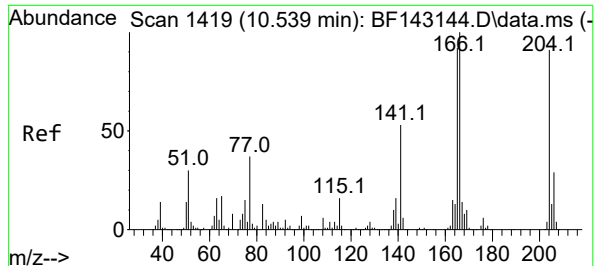
Tgt Ion:232 Resp: 113851
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 29.1 23.4 35.2



#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 440058
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.5 10.2 15.2

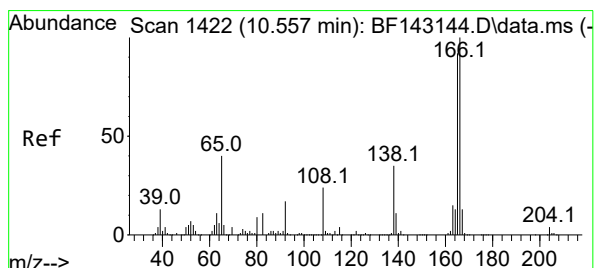
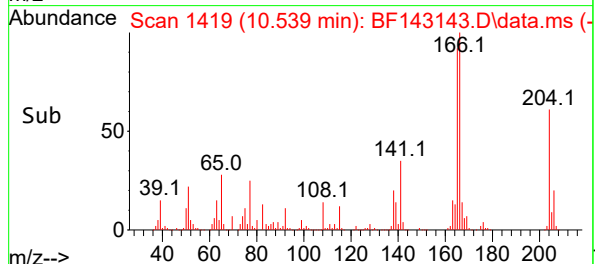
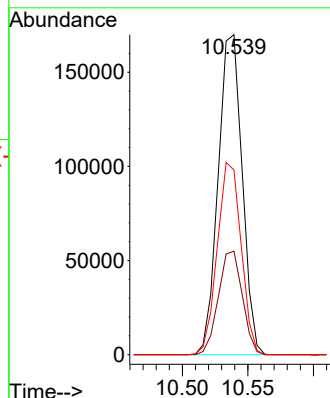
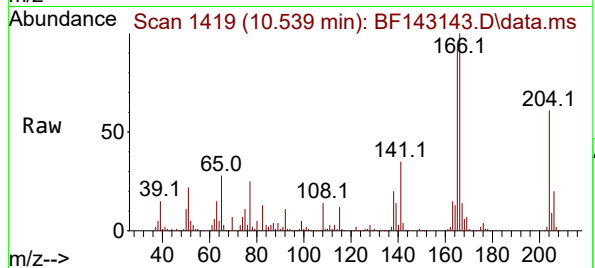




#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

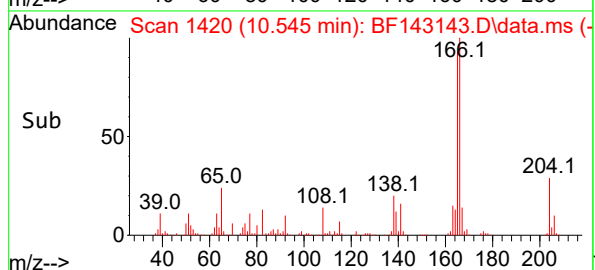
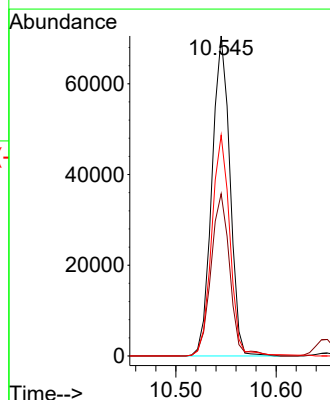
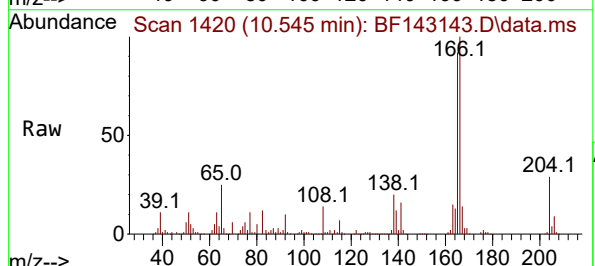
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

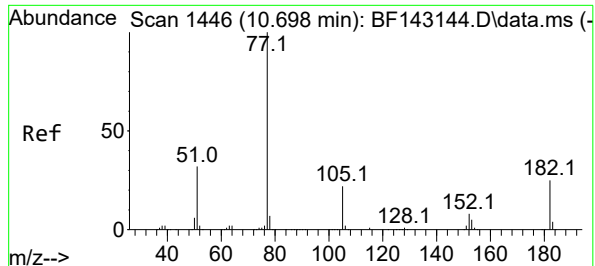
Tgt Ion:204 Resp: 216496
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.8 47.0 70.4



#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:138 Resp: 87666
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.0 48.3 88.3

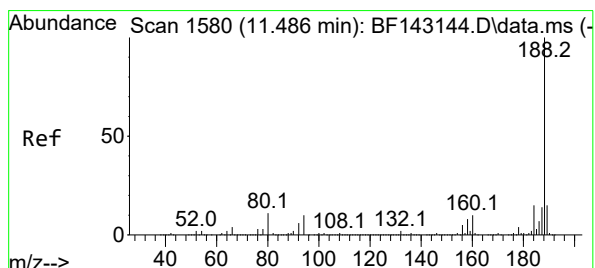
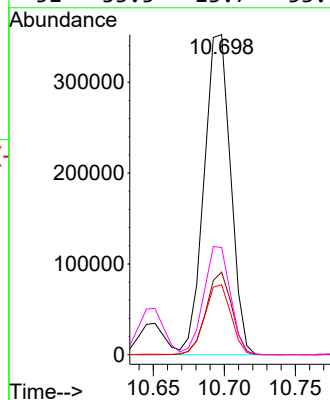
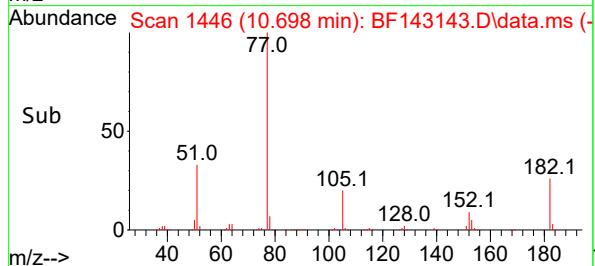
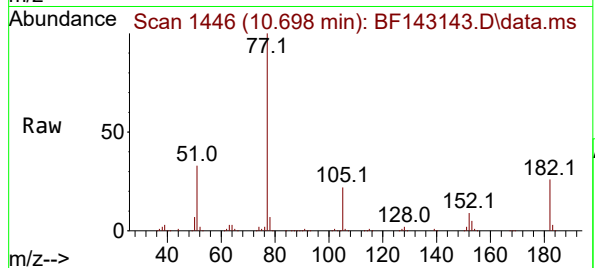




#63
Azobenzene
Concen: 20.690 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

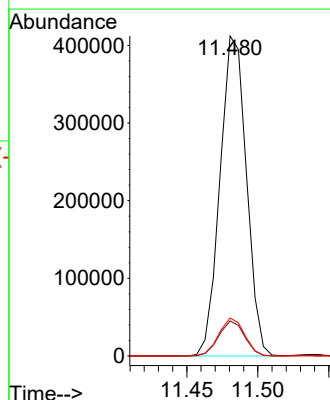
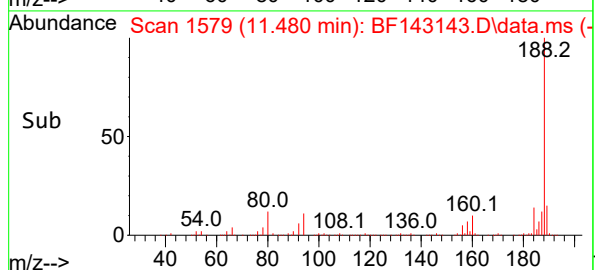
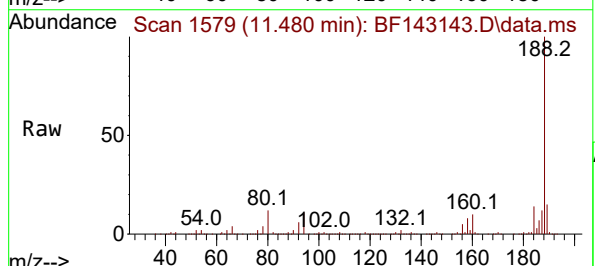
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

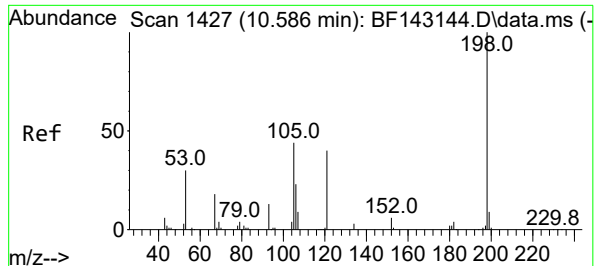
Tgt Ion: 77	Resp: 458013
Ion Ratio	Lower Upper
77 100	
182 25.8	4.6 44.6
105 21.8	1.4 41.4
51 33.5	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 188	Resp: 532921
Ion Ratio	Lower Upper
188 100	
94 11.0	8.3 12.5
80 11.9	9.0 13.6

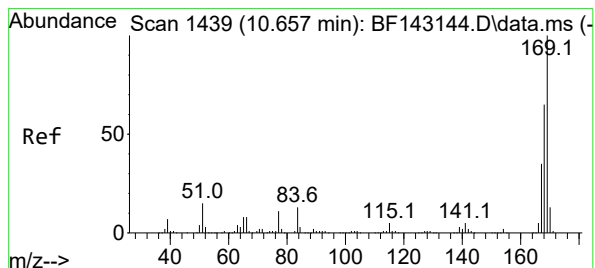
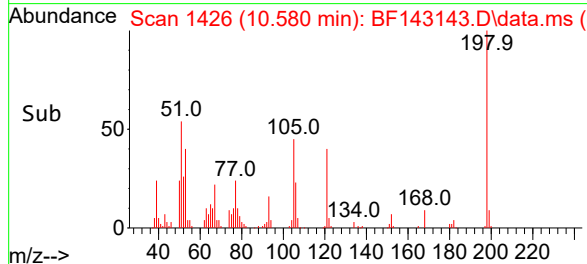
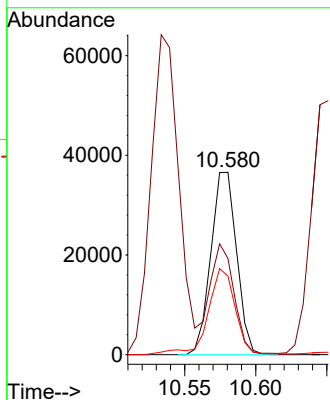
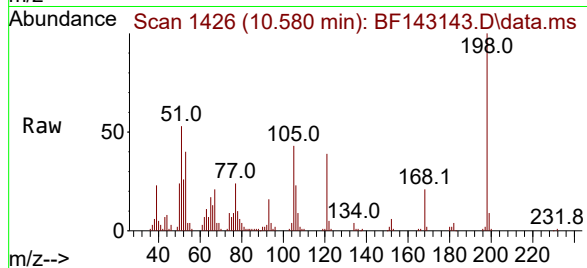




#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

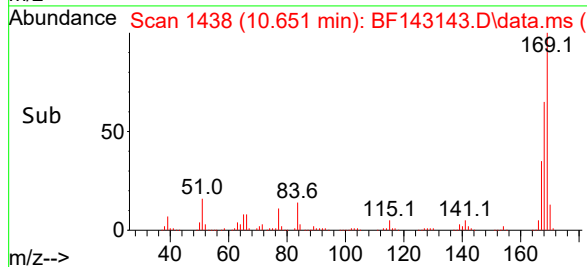
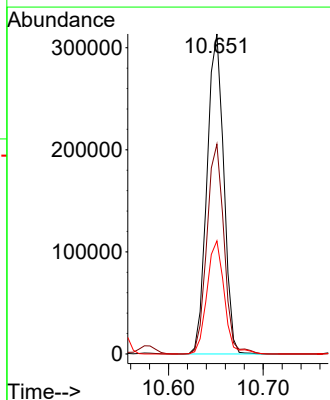
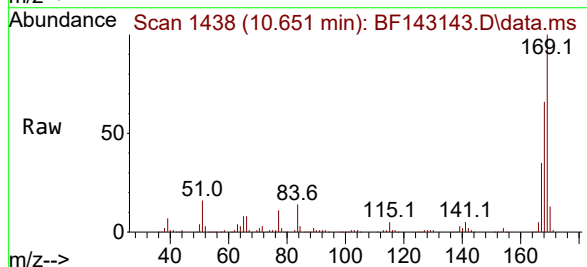
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

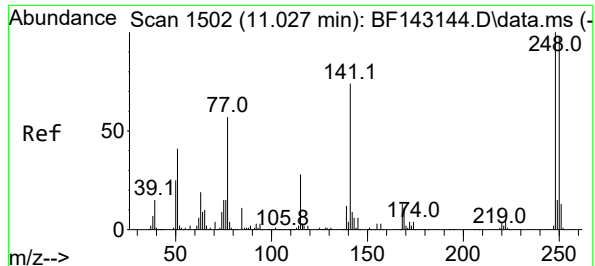
Tgt Ion:198 Resp: 46122
Ion Ratio Lower Upper
198 100
51 52.7 37.2 77.2
105 43.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:169 Resp: 384467
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.4 28.2 42.2

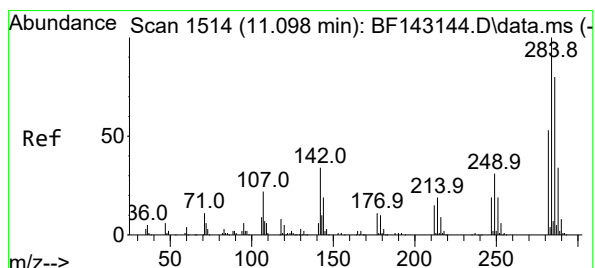
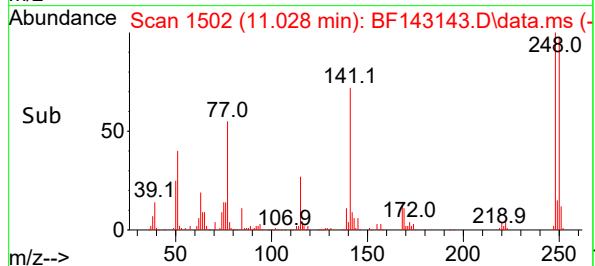
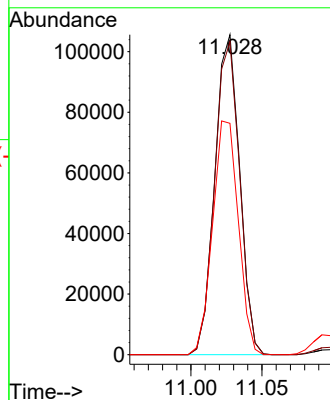
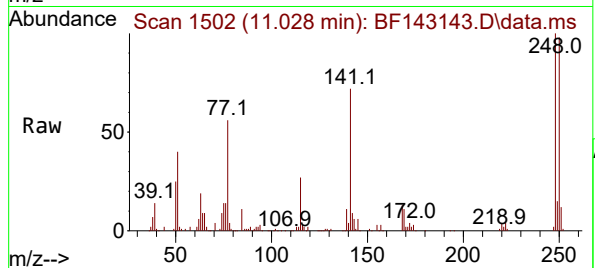




#67
4-Bromophenyl-phenylether
Concen: 20.259 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

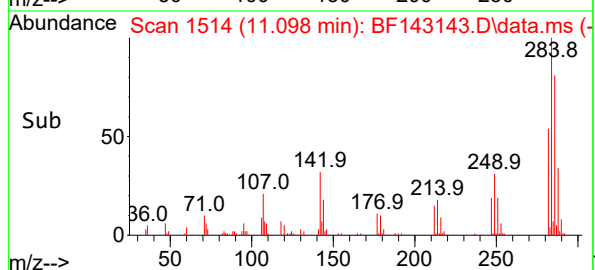
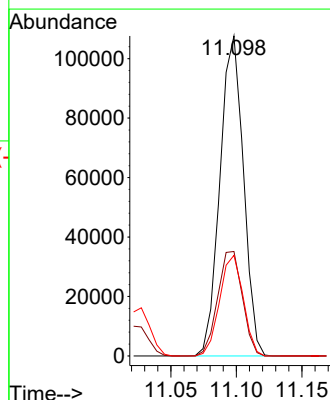
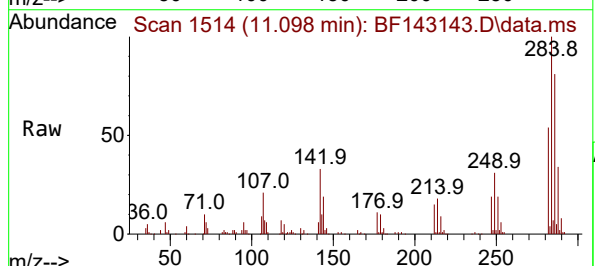
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

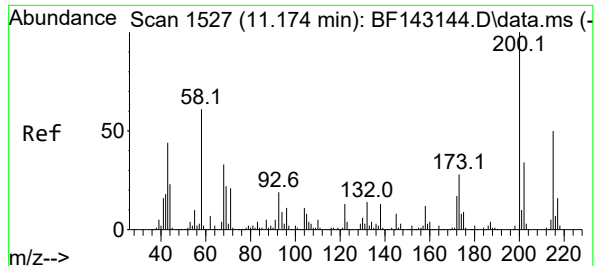
Tgt Ion:248 Resp: 128663
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 72.3 59.2 88.8



#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:284 Resp: 134031
Ion Ratio Lower Upper
284 100
142 32.7 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 20.370 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

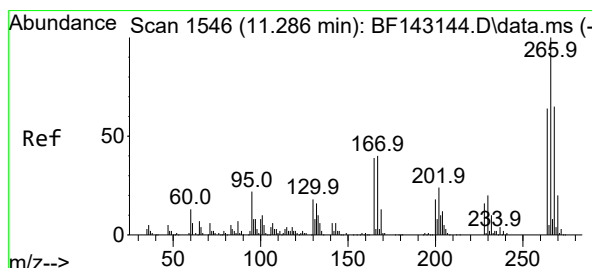
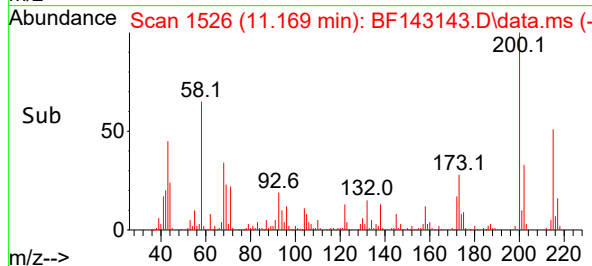
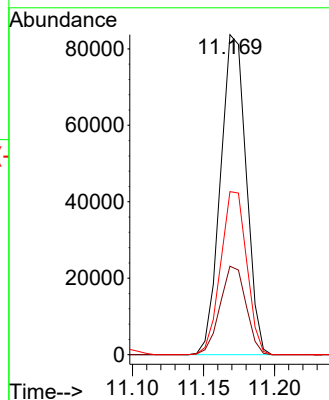
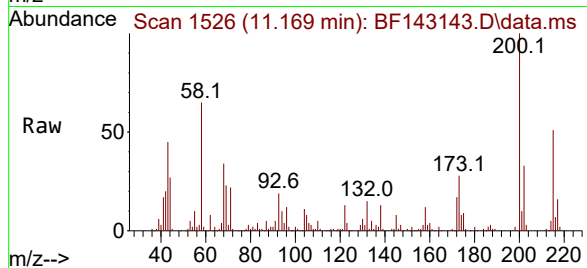
Tgt Ion:200 Resp: 105386

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

215 51.0 30.1 70.1



#70

Pentachlorophenol

Concen: 19.957 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

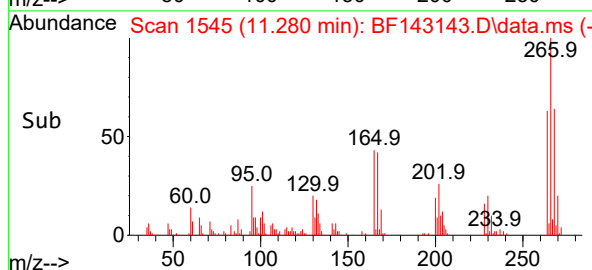
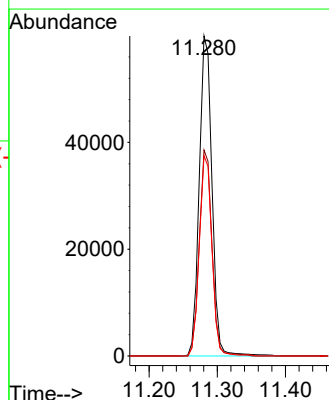
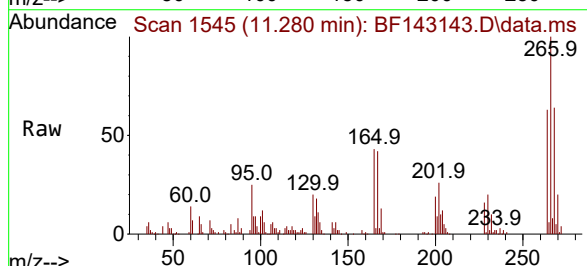
Tgt Ion:266 Resp: 77906

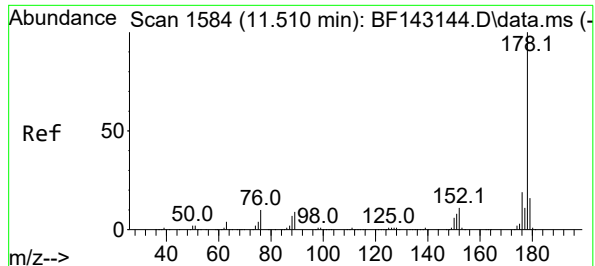
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 62.6 51.0 76.6

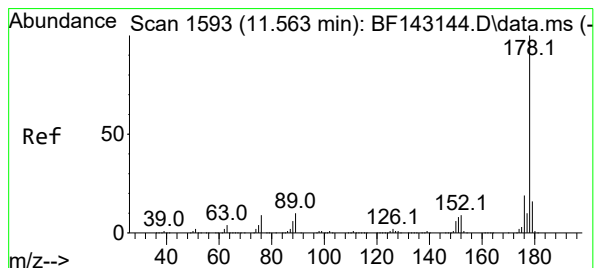
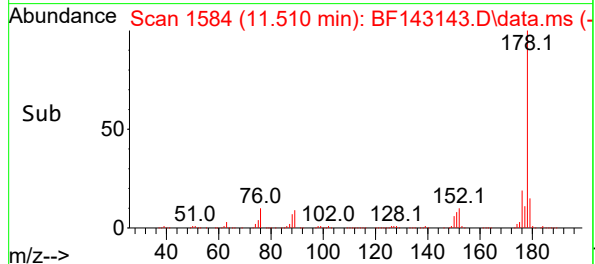
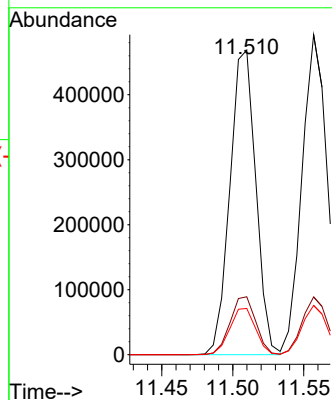
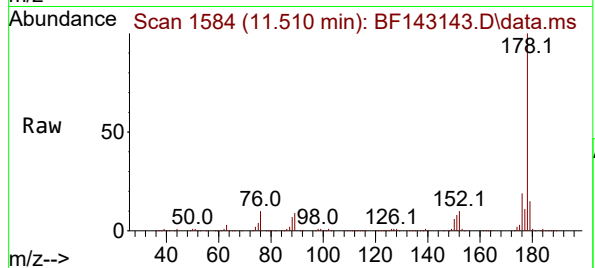




#71
Phenanthrene
Concen: 21.042 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

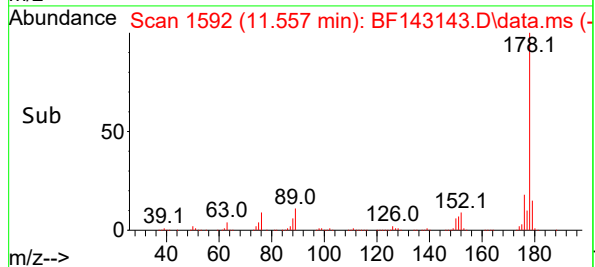
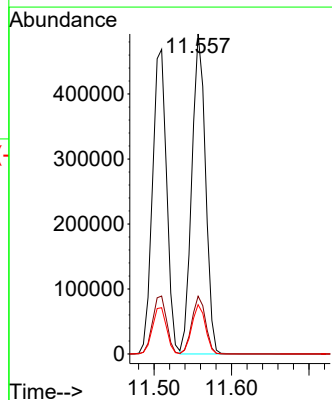
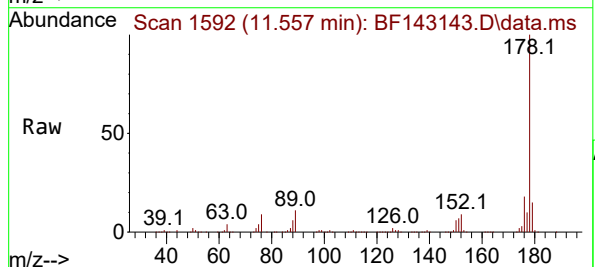
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

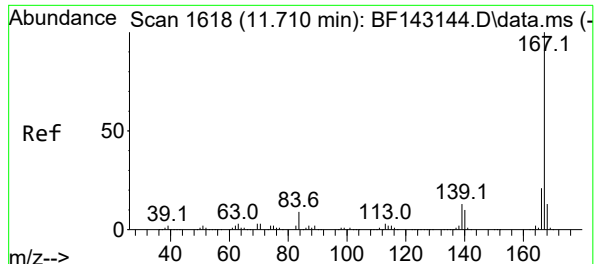
Tgt Ion:178 Resp: 595411
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 20.944 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

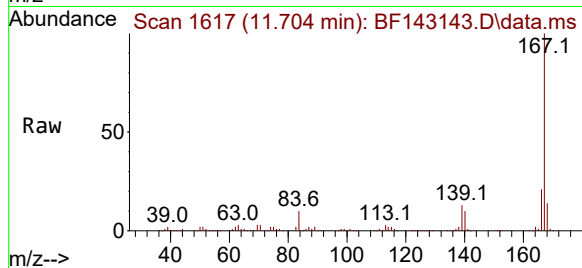
Tgt Ion:178 Resp: 604416
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.4 12.5 18.7



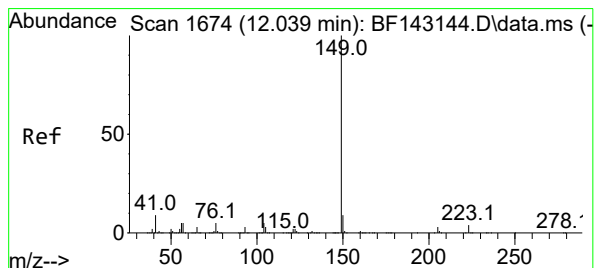
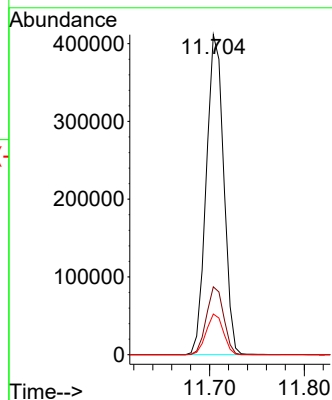
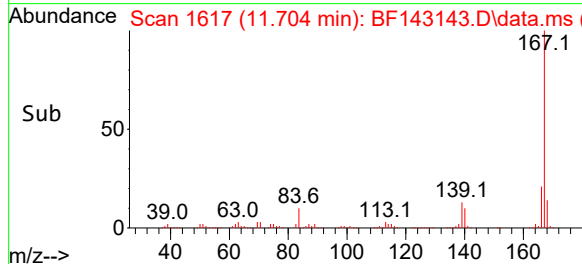


#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

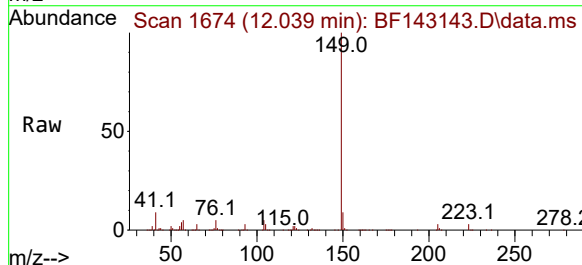
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



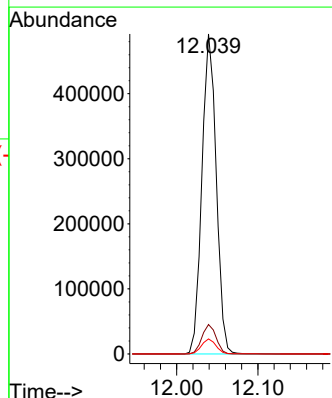
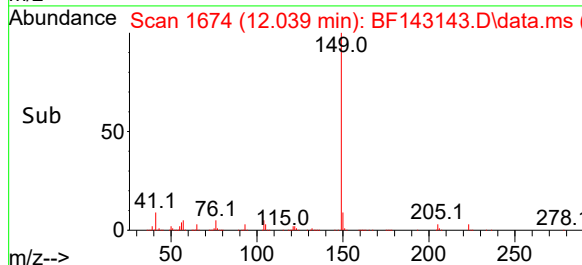
Tgt Ion:167 Resp: 523365
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.0 15.0

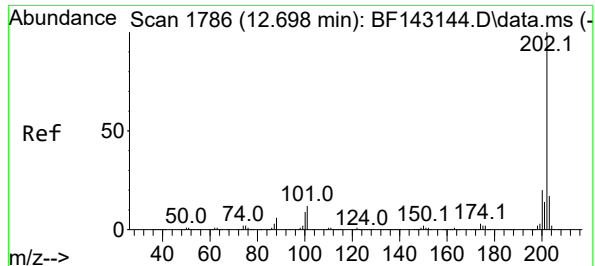


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:149 Resp: 601867
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.7 3.8 5.8

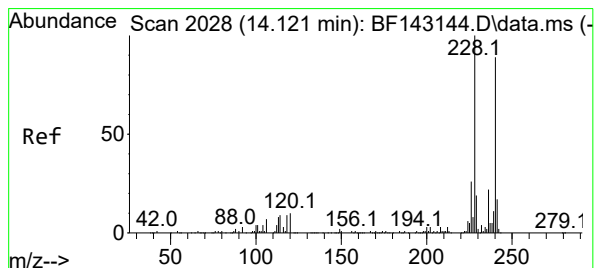
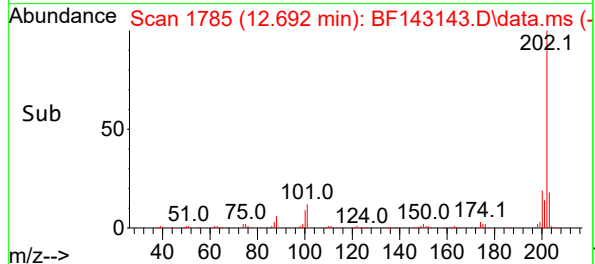
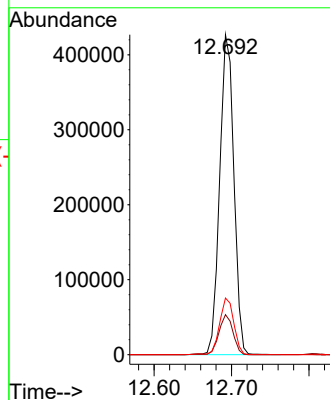
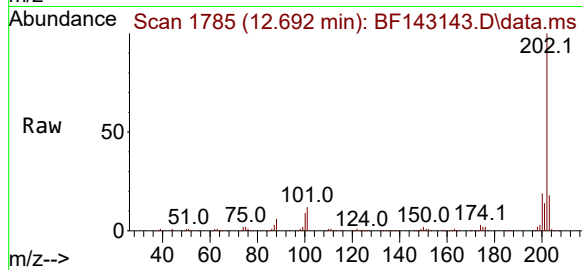




#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

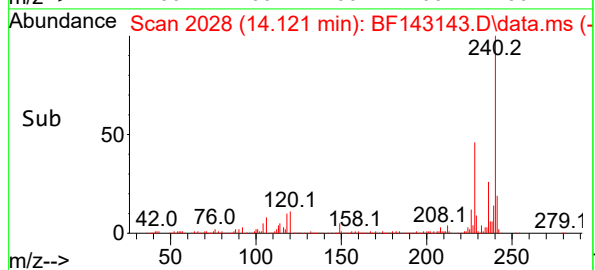
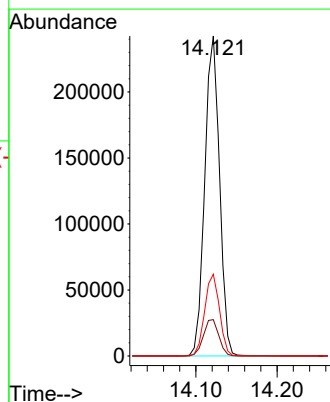
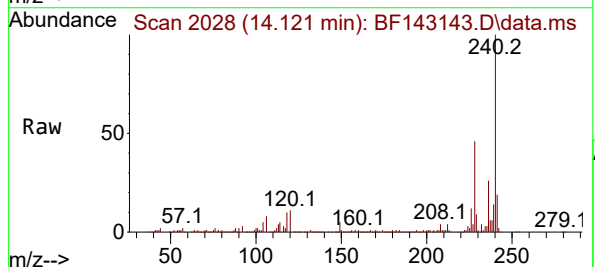
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

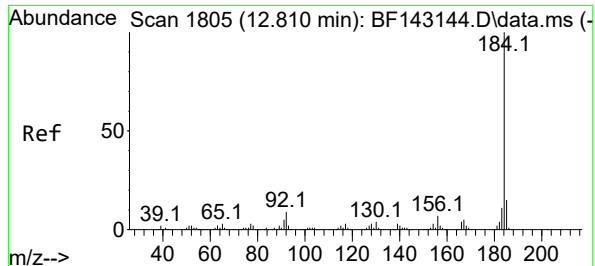
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.7	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.4	14.2
236	25.5	20.2	30.4

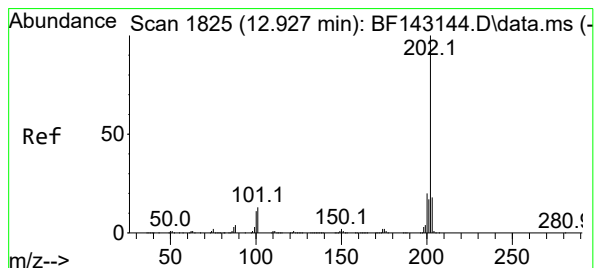
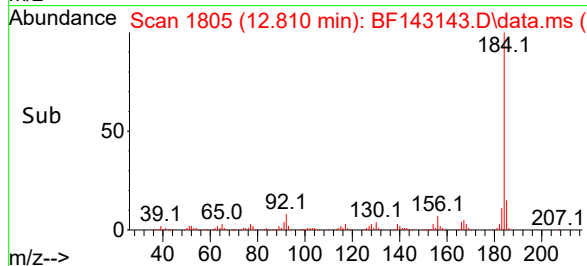
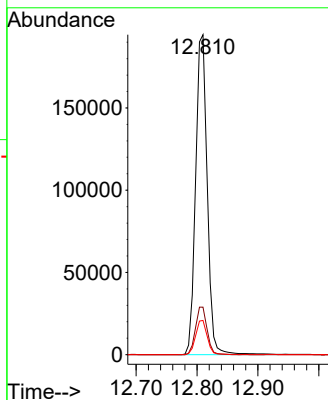
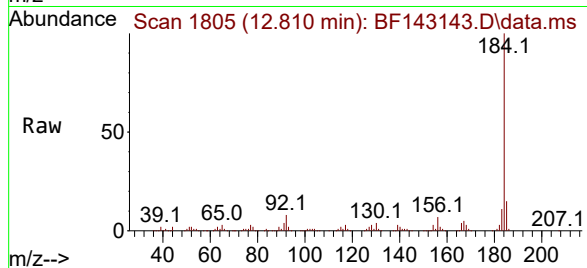




#77
Benzidine
Concen: 21.919 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

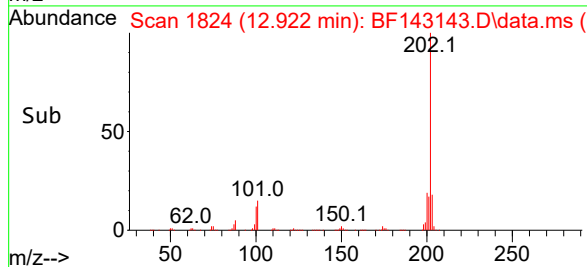
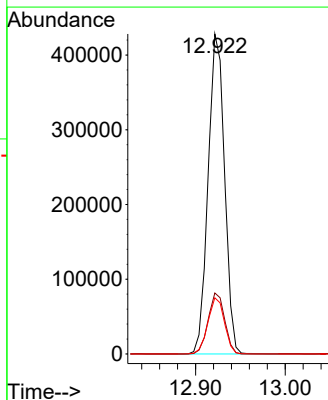
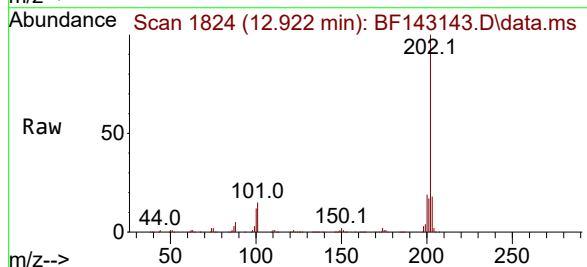
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

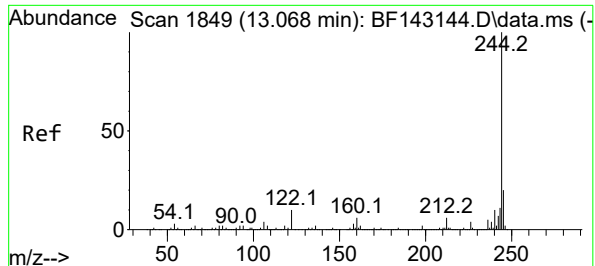
Tgt Ion:184 Resp: 257904
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.4
183 10.7 9.0 13.4



#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:202 Resp: 544650
Ion Ratio Lower Upper
202 100
200 19.1 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 42.238 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

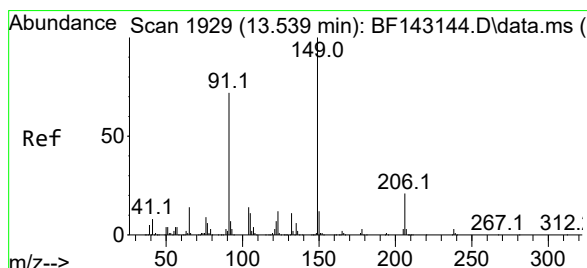
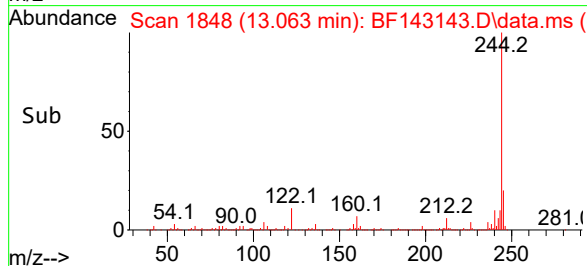
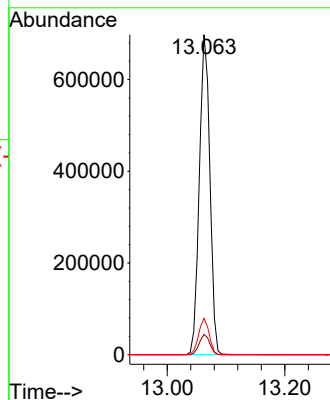
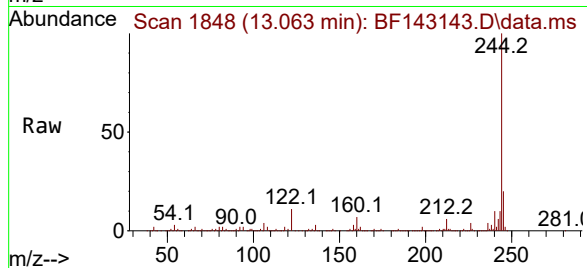
Tgt Ion:244 Resp: 866830

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 11.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 20.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

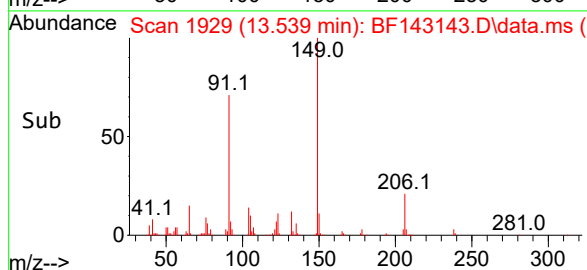
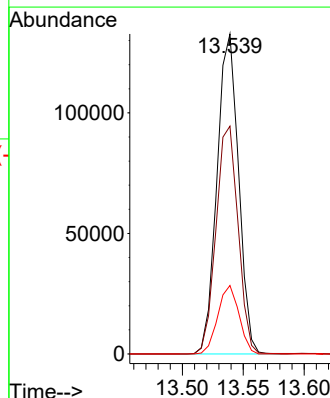
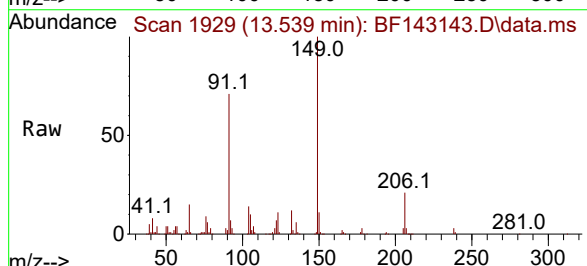
Tgt Ion:149 Resp: 163546

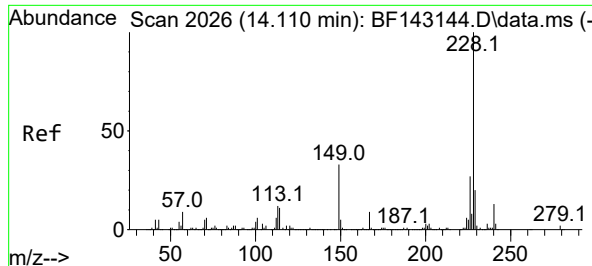
Ion Ratio Lower Upper

149 100

91 71.2 57.9 86.9

206 21.4 17.0 25.4

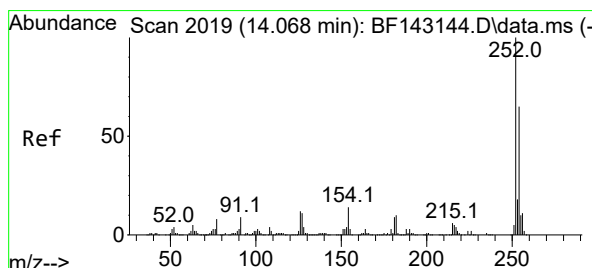
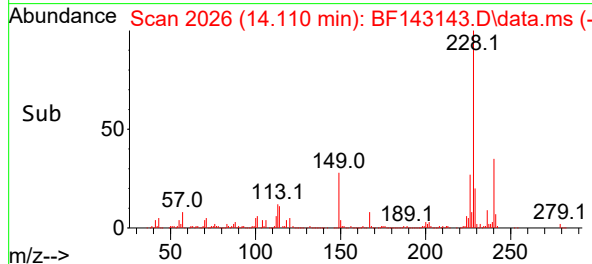
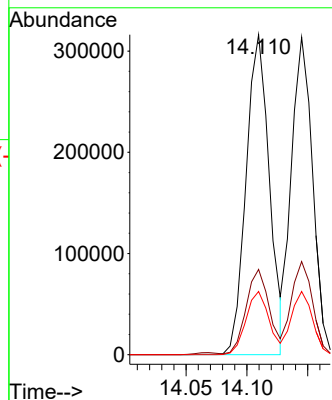
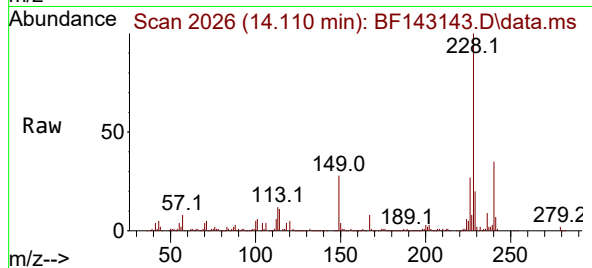




#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

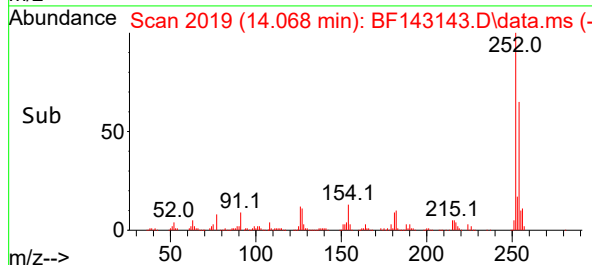
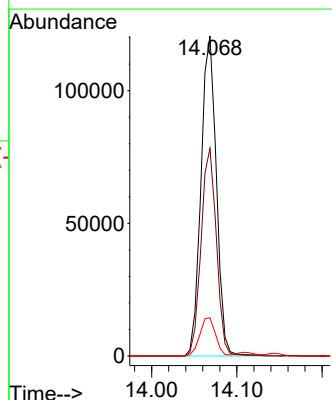
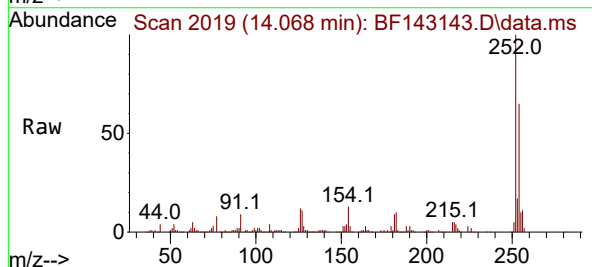
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

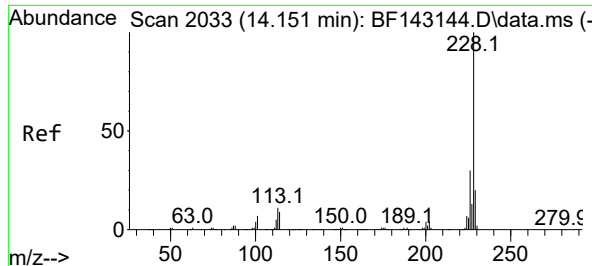
Tgt Ion:228 Resp: 421791
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 151153
Ion Ratio Lower Upper
252 100
254 64.9 51.7 77.5
126 12.0 9.4 14.0





#83

Chrysene

Concen: 20.714 ng

RT: 14.145 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

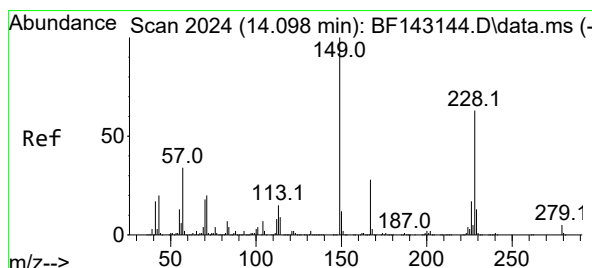
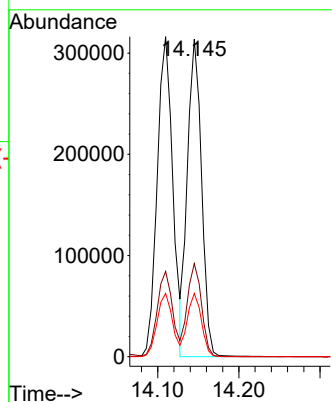
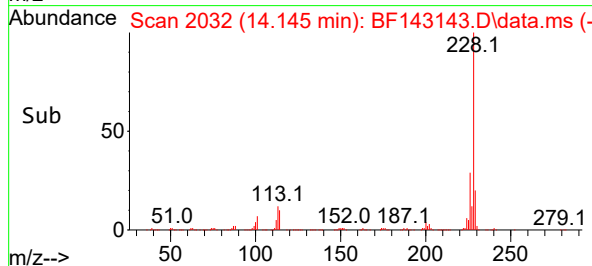
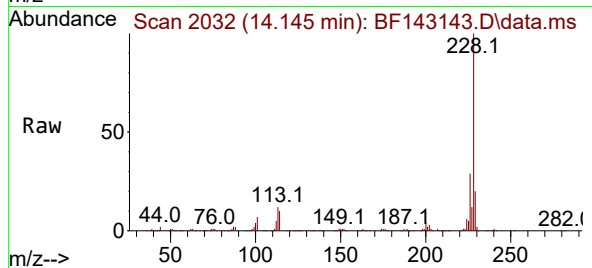
Tgt Ion:228 Resp: 380799

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.839 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

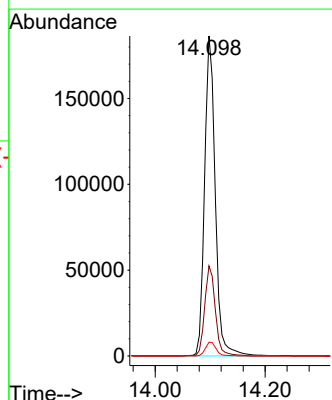
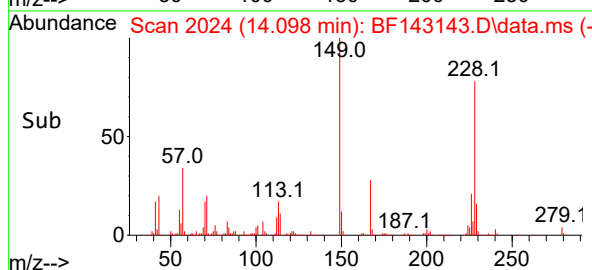
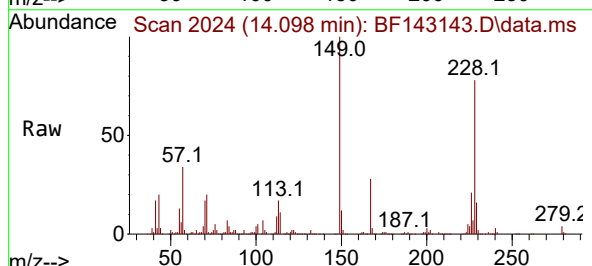
Tgt Ion:149 Resp: 251739

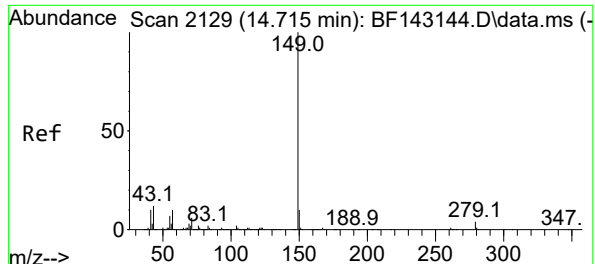
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.3 3.6 5.4

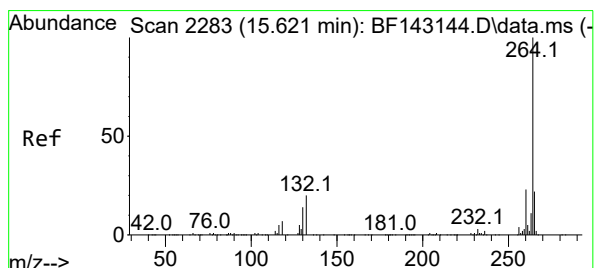
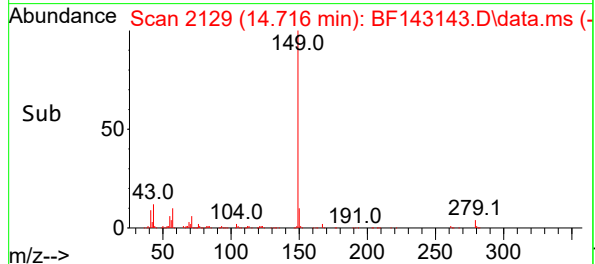
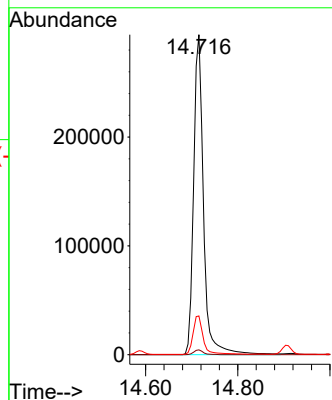
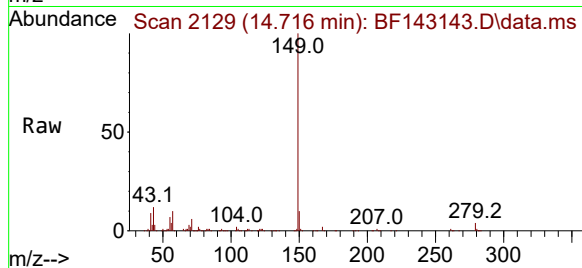




#85
Di-n-octyl phthalate
Concen: 19.916 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

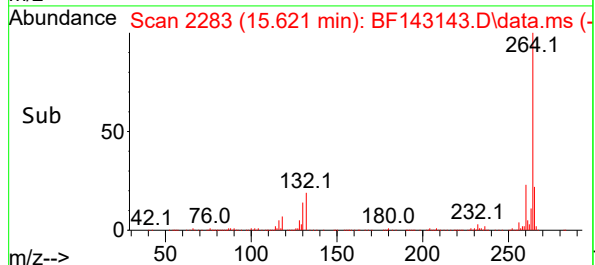
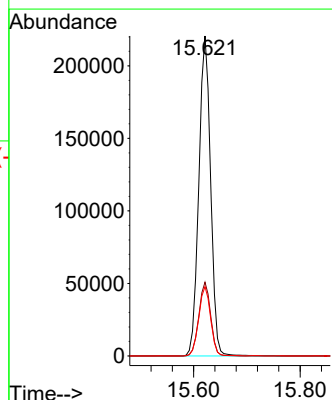
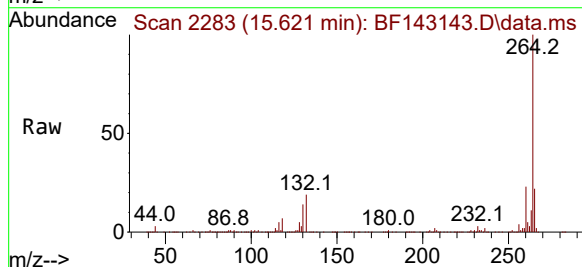
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

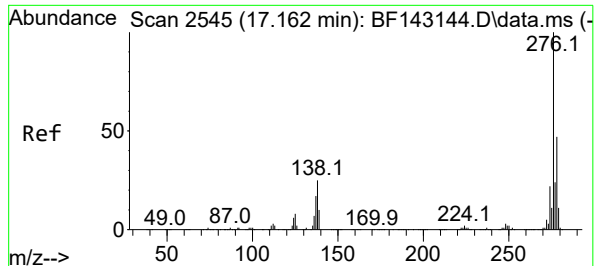
Tgt Ion:149 Resp: 436102
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.4 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:264 Resp: 338518
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.286 ng

RT: 17.151 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

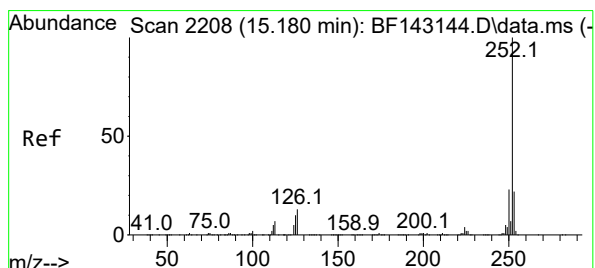
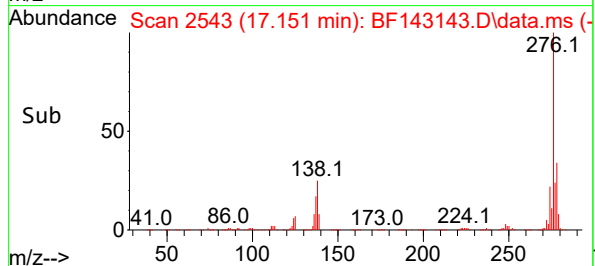
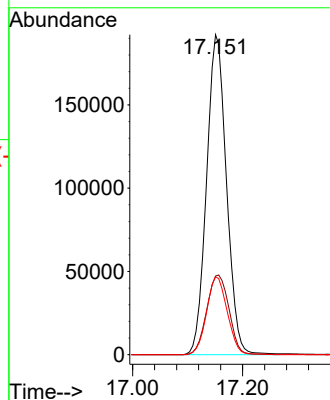
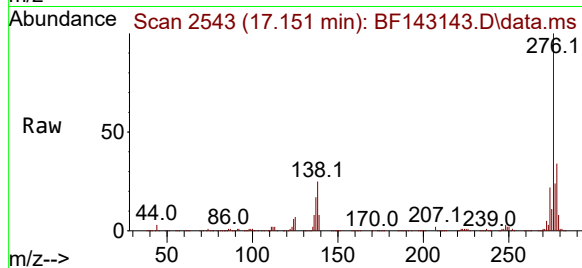
Tgt Ion:276 Resp: 484240

Ion Ratio Lower Upper

276 100

138 27.8 21.8 32.6

277 25.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 21.071 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

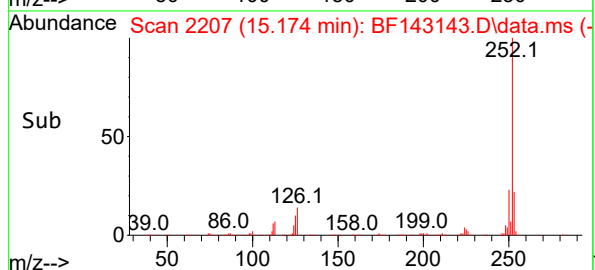
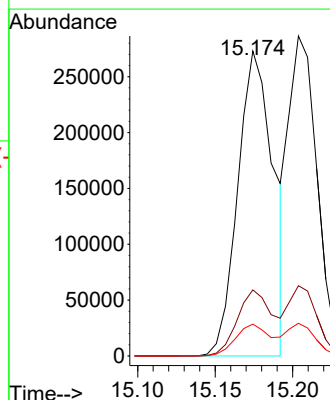
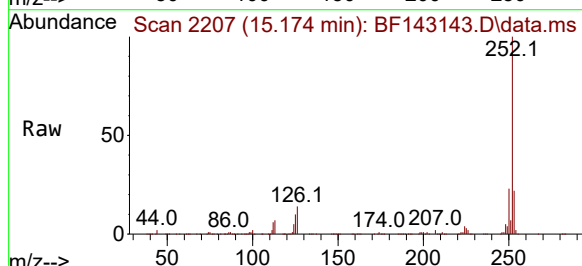
Tgt Ion:252 Resp: 435747

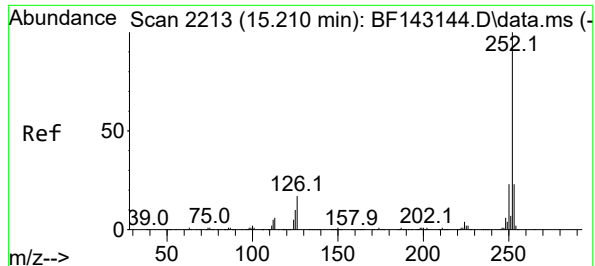
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 20.044 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

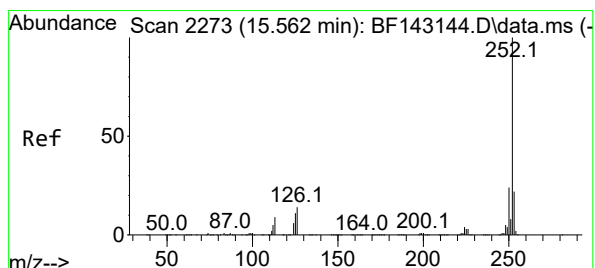
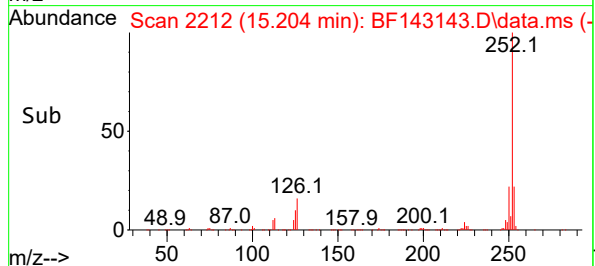
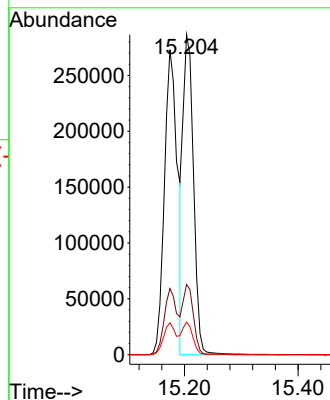
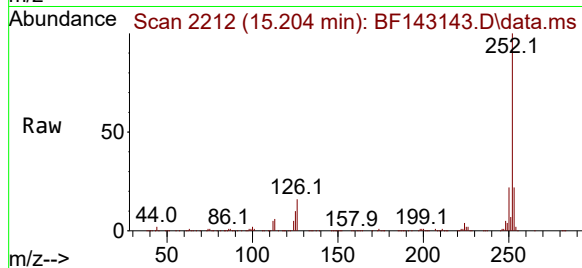
Tgt Ion:252 Resp: 369899

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 10.2 8.1 12.1



#90

Benzo(a)pyrene

Concen: 20.371 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

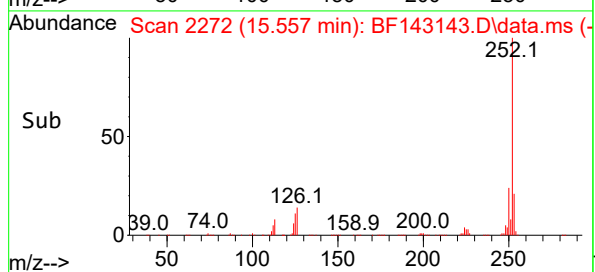
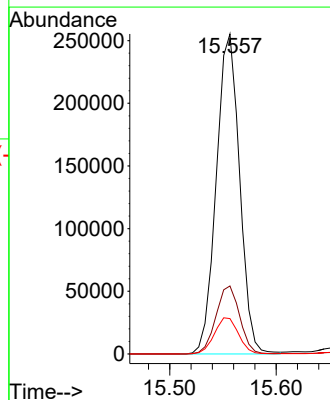
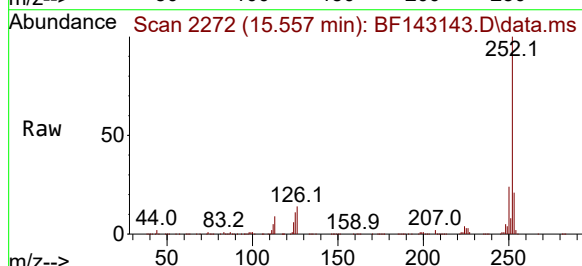
Tgt Ion:252 Resp: 388136

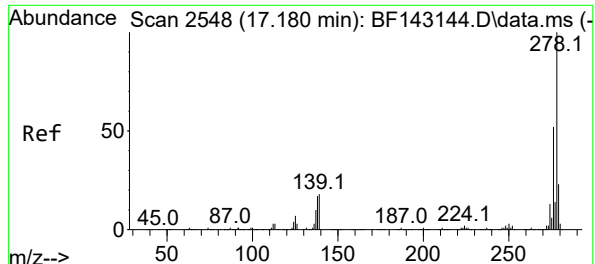
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 11.0 8.6 13.0

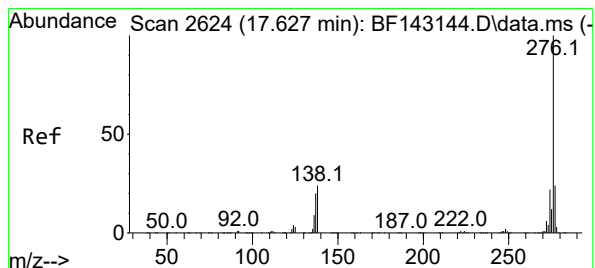
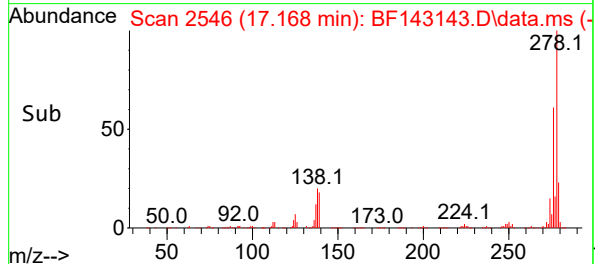
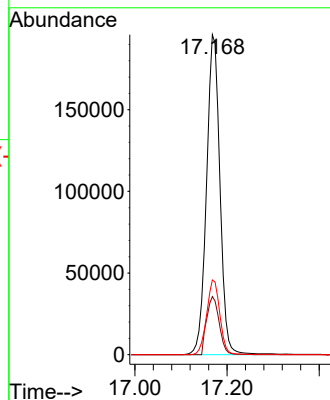
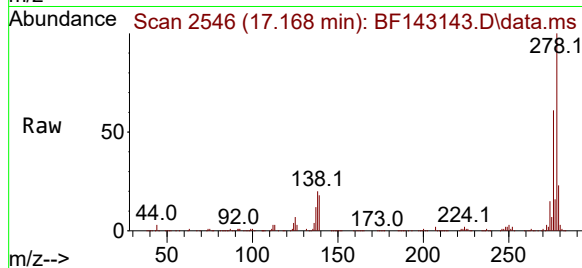




#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

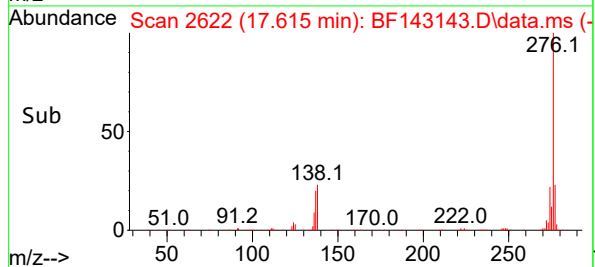
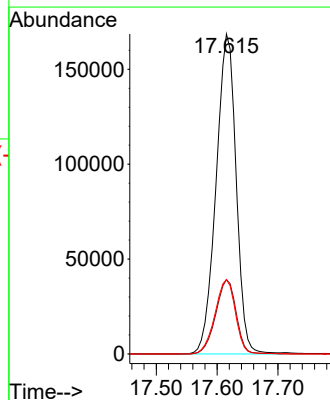
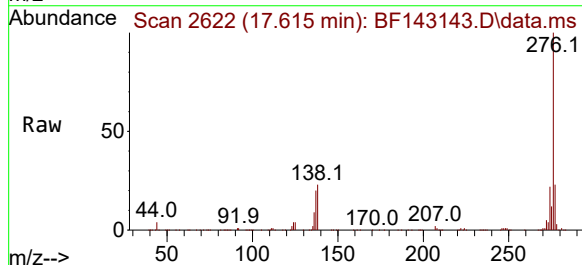
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 398949
Ion Ratio Lower Upper
278 100
139 18.2 14.1 21.1
279 23.4 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 385915
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 23.3 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	167098	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	641413	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	331881	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	542726	20.000	ng	0.00
76) Chrysene-d12	14.121	240	296414	20.000	ng	0.00
86) Perylene-d12	15.621	264	323574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	823062	77.946	ng	0.00
7) Phenol-d6	6.587	99	1038821	78.160	ng	0.00
23) Nitrobenzene-d5	7.522	82	1023138	79.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	279373	81.485	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1802398	74.274	ng	0.00
79) Terphenyl-d14	13.068	244	1554923	78.063	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	200396	40.108	ng	100
3) Pyridine	3.587	79	511417	39.435	ng	100
4) n-Nitrosodimethylamine	3.534	42	270676	40.426	ng	100
6) Aniline	6.622	93	736668	39.770	ng	100
8) 2-Chlorophenol	6.745	128	437914	39.565	ng	100
9) Benzaldehyde	6.516	77	482238	48.387	ng	100
10) Phenol	6.598	94	571741m	39.487	ng	
11) bis(2-Chloroethyl)ether	6.692	93	435450	39.279	ng	100
12) 1,3-Dichlorobenzene	6.904	146	468194	38.939	ng	100
13) 1,4-Dichlorobenzene	6.981	146	474015	39.147	ng	100
14) 1,2-Dichlorobenzene	7.134	146	448808	38.970	ng	100
15) Benzyl Alcohol	7.098	79	406107	40.017	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	808980	39.337	ng	100
17) 2-Methylphenol	7.204	107	366495	39.381	ng	100
18) Hexachloroethane	7.481	117	165263	39.425	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	329619	38.656	ng	100
20) 3+4-Methylphenols	7.357	107	448100	39.685	ng	100
22) Acetophenone	7.369	105	583796	38.444	ng	100
24) Nitrobenzene	7.545	77	481500	40.136	ng	100
25) Isophorone	7.781	82	888017	39.093	ng	100
26) 2-Nitrophenol	7.857	139	220354	42.323	ng	100
27) 2,4-Dimethylphenol	7.886	122	416128	39.210	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	529258	38.860	ng	100
29) 2,4-Dichlorophenol	8.098	162	353866	39.537	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	376590	38.947	ng	100
31) Naphthalene	8.269	128	1224033	38.749	ng	100
32) Benzoic acid	7.992	122	230958m	39.680	ng	
33) 4-Chloroaniline	8.310	127	500402	38.796	ng	100
34) Hexachlorobutadiene	8.386	225	231609	39.211	ng	100
35) Caprolactam	8.681	113	111733	41.312	ng	100
36) 4-Chloro-3-methylphenol	8.781	107	385507	39.628	ng	100
37) 2-Methylnaphthalene	8.957	142	744295	38.720	ng	100
38) 1-Methylnaphthalene	9.057	142	768508	38.825	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	365234	38.118	ng	100
41) Hexachlorocyclopentadiene	9.116	237	247480	39.695	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	255115	38.471	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

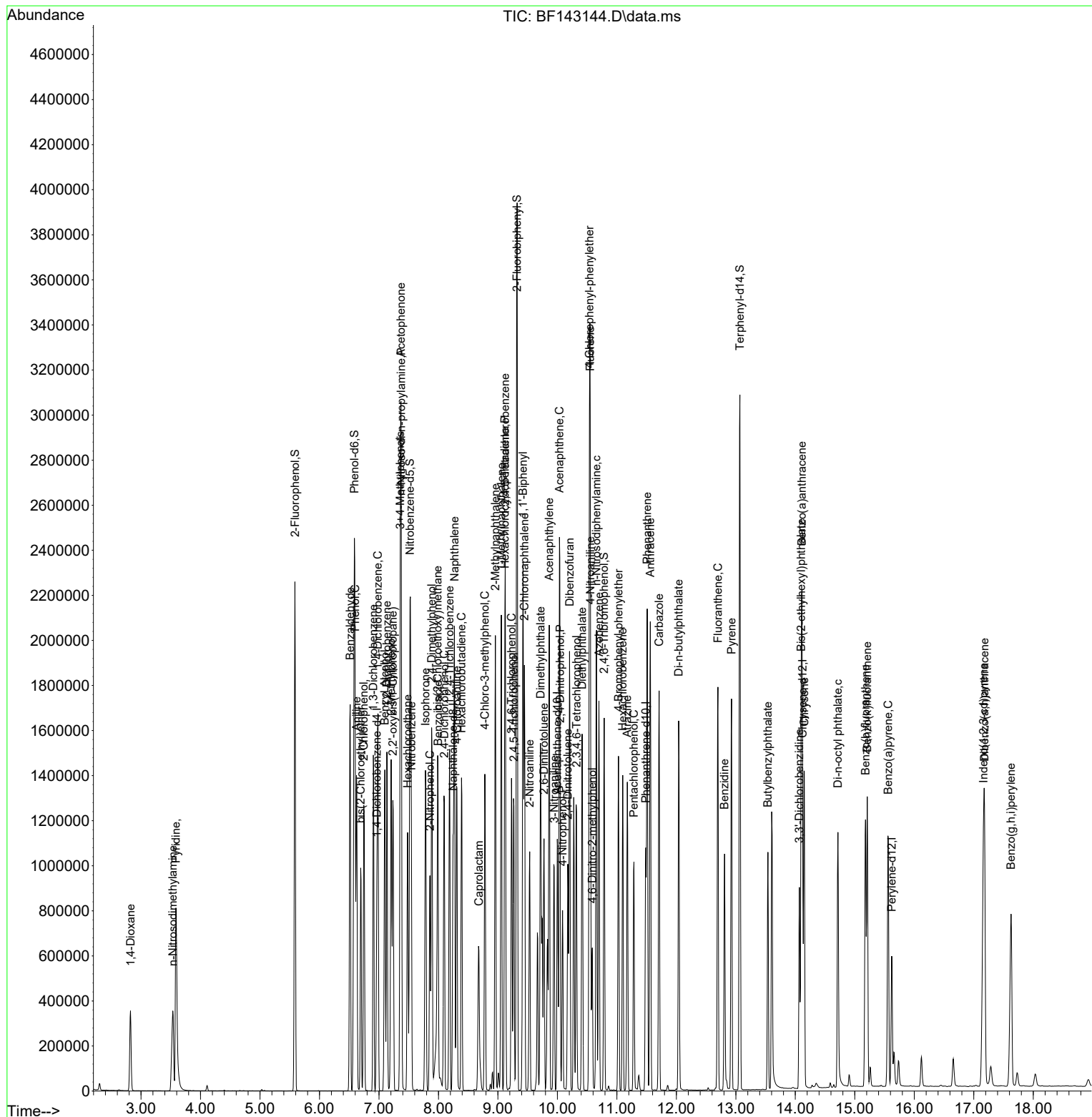
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	268615	40.494	ng	100
46) 1,1'-Biphenyl	9.422	154	988537	38.177	ng	100
47) 2-Chloronaphthalene	9.445	162	731879	38.200	ng	100
48) 2-Nitroaniline	9.533	65	249908	41.594	ng	100
49) Acenaphthylene	9.863	152	1234789	38.458	ng	100
50) Dimethylphthalate	9.716	163	848828	39.238	ng	100
51) 2,6-Dinitrotoluene	9.775	165	184242	41.866	ng	100
52) Acenaphthene	10.033	154	727386	38.330	ng	100
53) 3-Nitroaniline	9.945	138	210179	40.832	ng	100
54) 2,4-Dinitrophenol	10.045	184	69157	38.449	ng	100
55) Dibenzofuran	10.204	168	1083678	38.462	ng	100
56) 4-Nitrophenol	10.086	139	163009	42.408	ng	100
57) 2,4-Dinitrotoluene	10.175	165	235101	42.581	ng	100
58) Fluorene	10.551	166	804336	38.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	220872	40.196	ng	100
60) Diethylphthalate	10.416	149	842184	39.387	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	406477	38.604	ng	100
62) 4-Nitroaniline	10.557	138	185530	42.055	ng	100
63) Azobenzene	10.698	77	876387	39.326	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105533	38.322	ng	100
66) n-Nitrosodiphenylamine	10.657	169	731532	38.278	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	247764	38.307	ng	100
68) Hexachlorobenzene	11.098	284	259758	38.424	ng	100
69) Atrazine	11.174	200	212970	40.421	ng	100
70) Pentachlorophenol	11.286	266	161013	40.500	ng	100
71) Phenanthrene	11.510	178	1107412	38.429	ng	100
72) Anthracene	11.563	178	1126710	38.336	ng	100
73) Carbazole	11.710	167	1008669	39.304	ng	100
74) Di-n-butylphthalate	12.039	149	1165443	40.135	ng	100
75) Fluoranthene	12.698	202	1034509	39.111	ng	100
77) Benzidine	12.810	184	564732	49.451	ng	100
78) Pyrene	12.927	202	1016822	40.195	ng	100
80) Butylbenzylphthalate	13.539	149	322273	41.603	ng	100
81) Benzo(a)anthracene	14.110	228	759726	38.283	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	254099	38.418	ng	100
83) Chrysene	14.151	228	715222	40.085	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	467892	39.906	ng	100
85) Di-n-octyl phthalate	14.715	149	820264	38.595	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	914626	40.086	ng	100
88) Benzo(b)fluoranthene	15.180	252	742346	37.554	ng	100
89) Benzo(k)fluoranthene	15.210	252	733635	41.591	ng	100
90) Benzo(a)pyrene	15.562	252	725344	39.826	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	742180	39.964	ng	100
92) Benzo(g,h,i)perylene	17.627	276	717648	39.949	ng	100

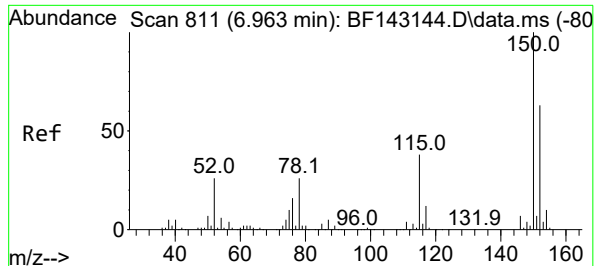
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

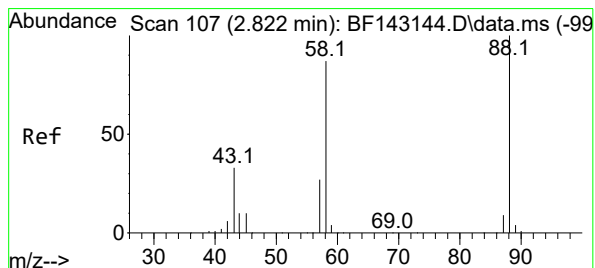
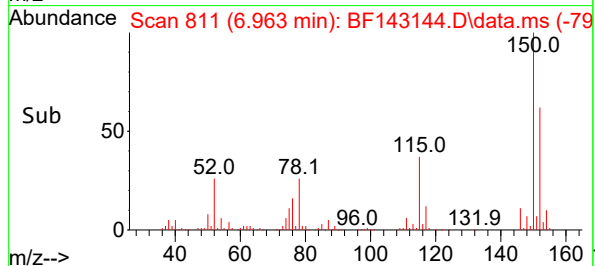
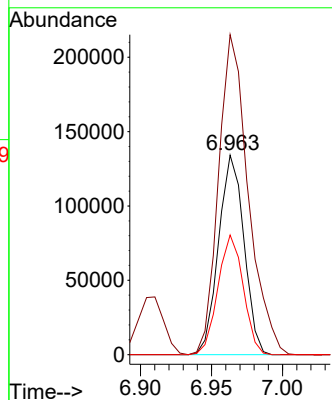
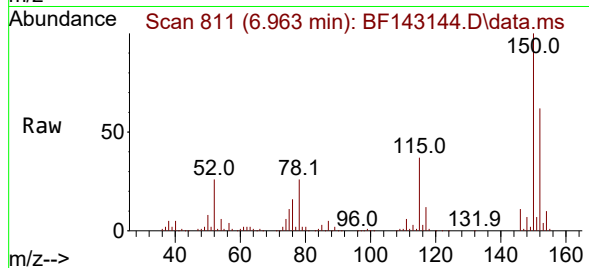




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

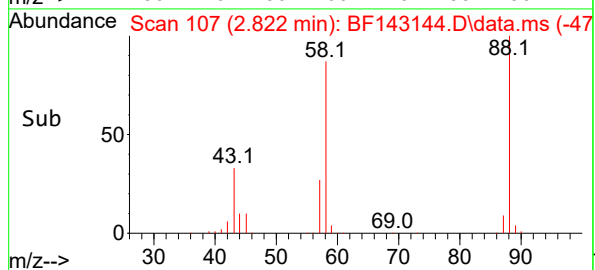
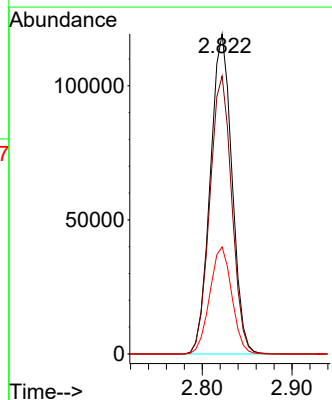
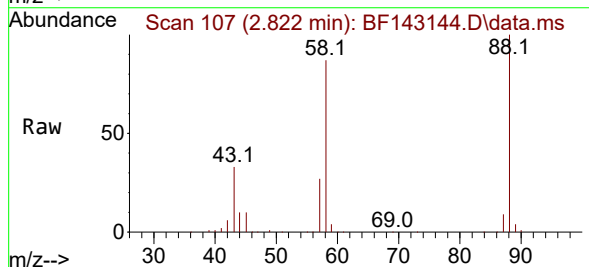
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

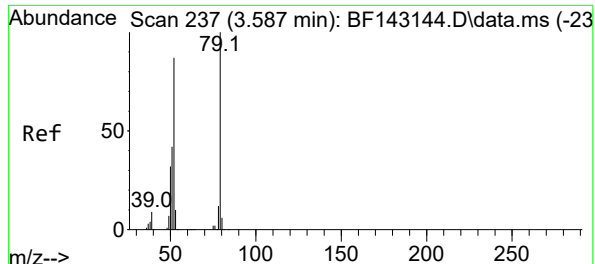
Tgt Ion:152 Resp: 167098
Ion Ratio Lower Upper
152 100
150 160.3 128.2 192.4
115 59.9 47.9 71.9



#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 88 Resp: 200396
Ion Ratio Lower Upper
88 100
58 87.7 70.2 105.2
43 33.9 27.1 40.7

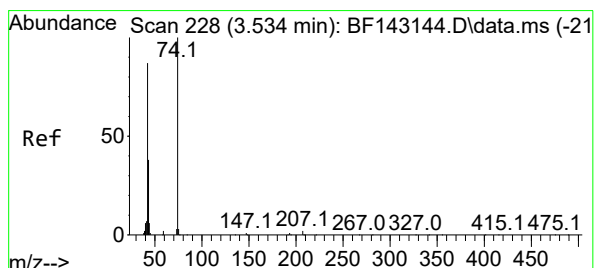
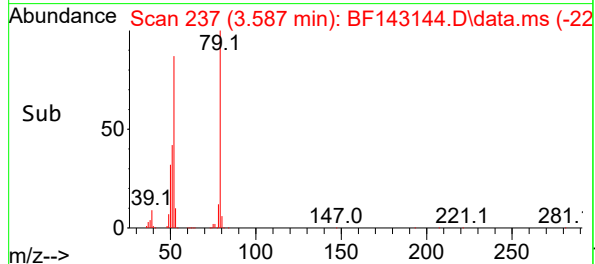
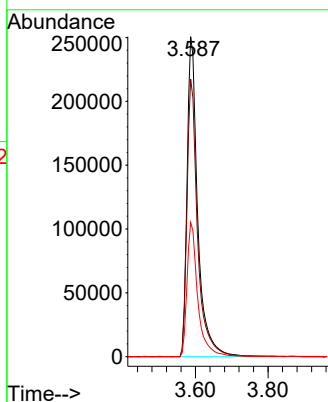
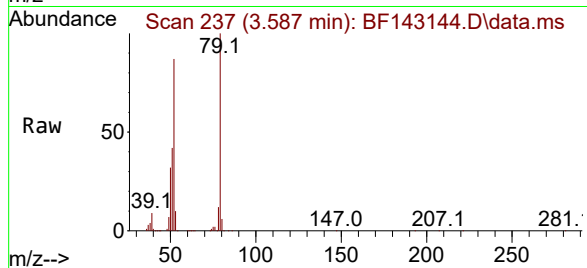




#3
Pyridine
Concen: 39.435 ng
RT: 3.587 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

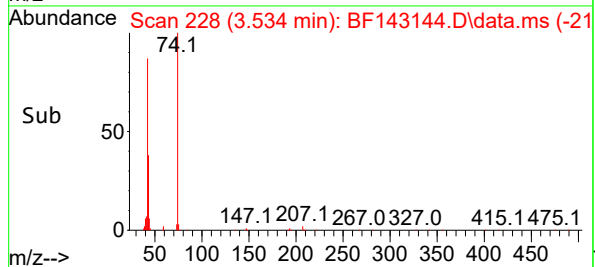
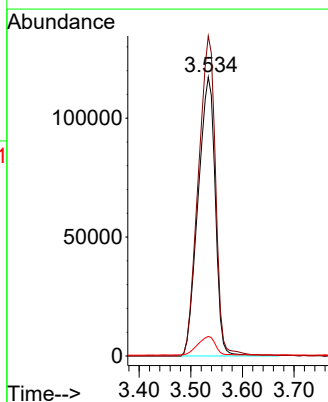
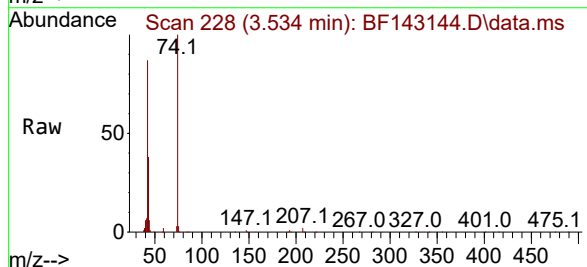
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

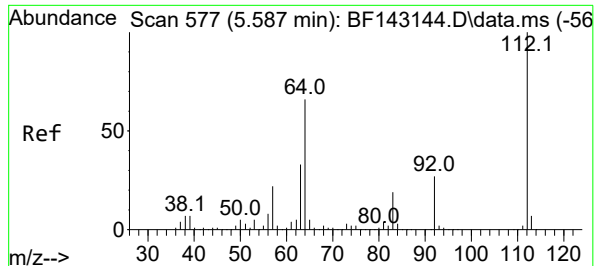
Tgt Ion: 79 Resp: 511417
Ion Ratio Lower Upper
79 100
52 86.8 69.4 104.2
51 41.9 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 42 Resp: 270676
Ion Ratio Lower Upper
42 100
74 114.6 91.7 137.5
44 7.0 5.6 8.4

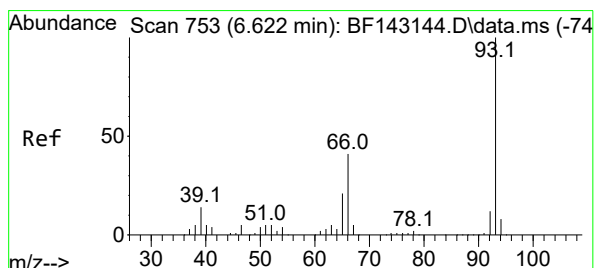
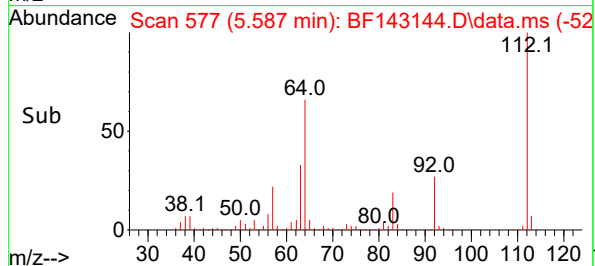
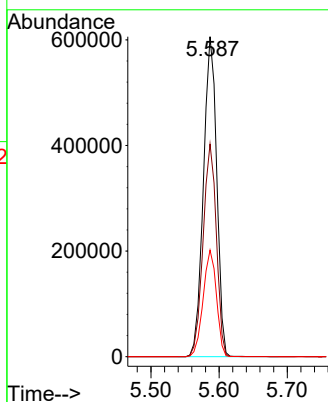
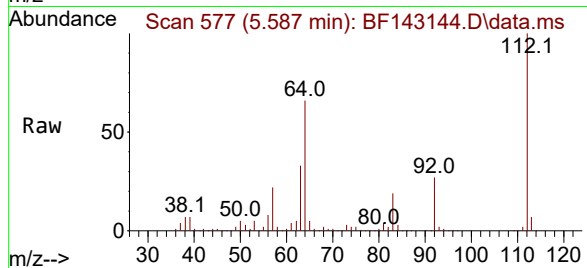




#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

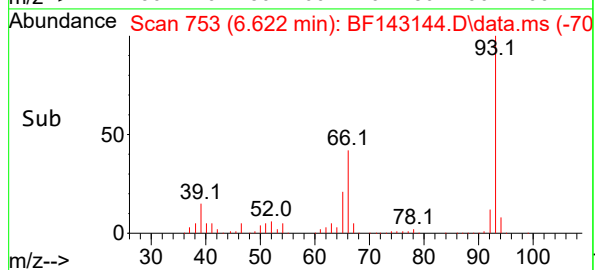
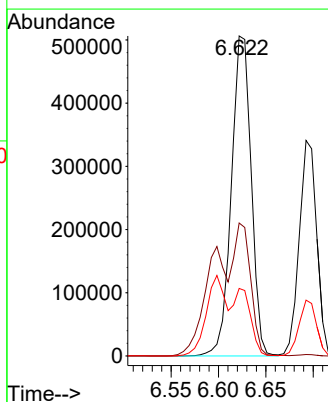
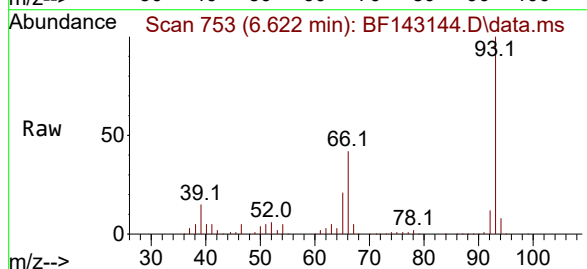
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

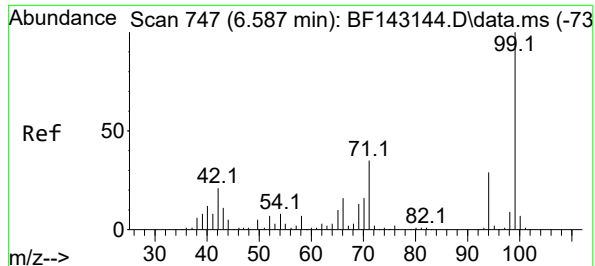
Tgt Ion:112 Resp: 823062
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.3 26.6 40.0



#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 736668
Ion Ratio Lower Upper
93 100
66 41.5 33.2 49.8
65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 78.160 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

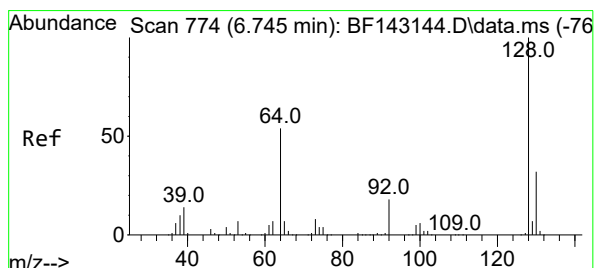
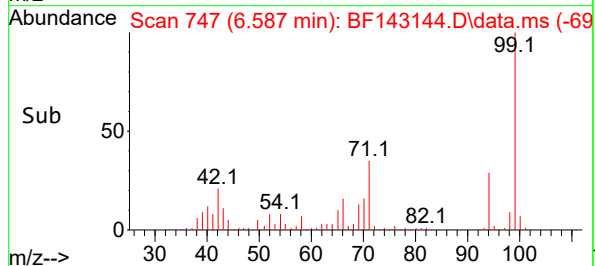
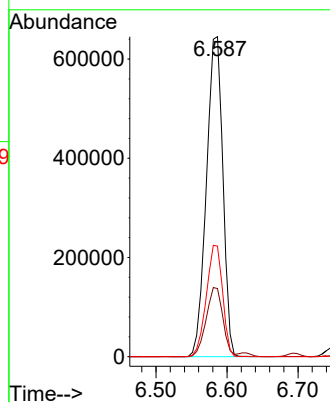
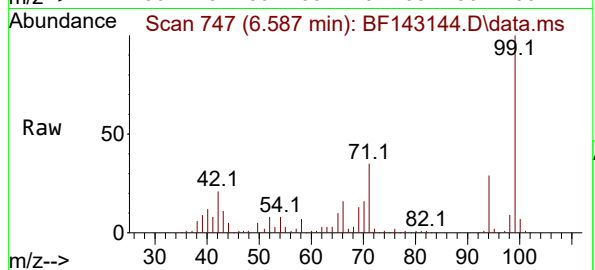
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 1038821

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.6	27.7	41.5



#8

2-Chlorophenol

Concen: 39.565 ng

RT: 6.745 min Scan# 774

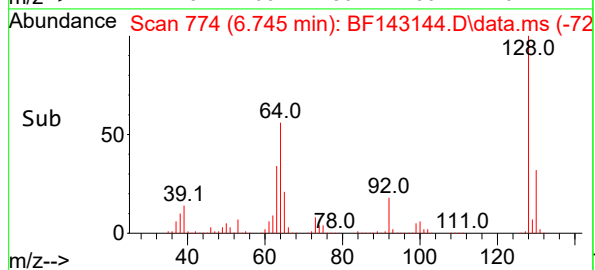
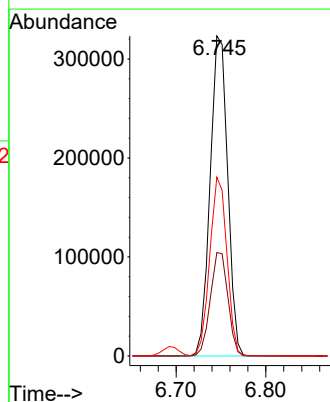
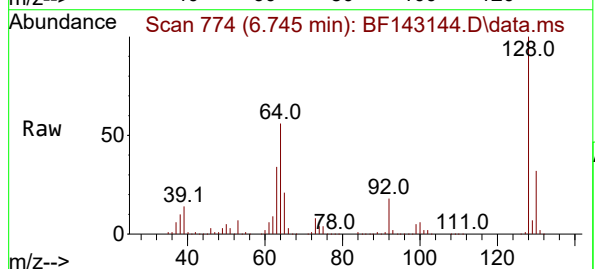
Delta R.T. 0.000 min

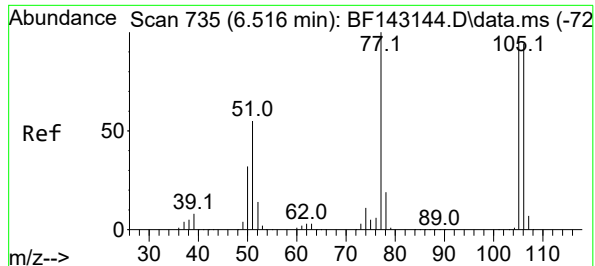
Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion: 128 Resp: 437914

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	55.9	35.9	75.9





#9

Benzaldehyde

Concen: 48.387 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

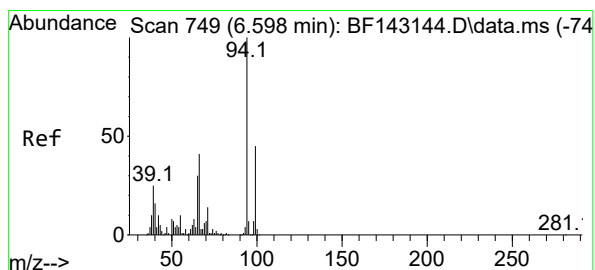
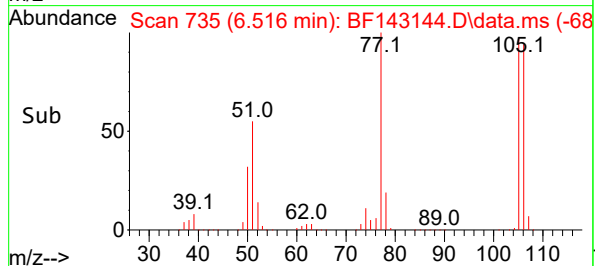
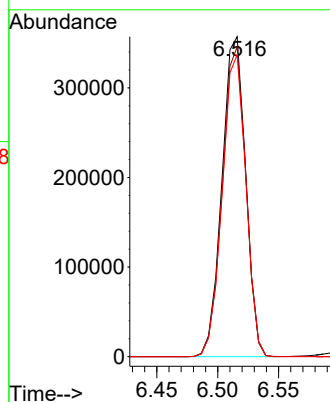
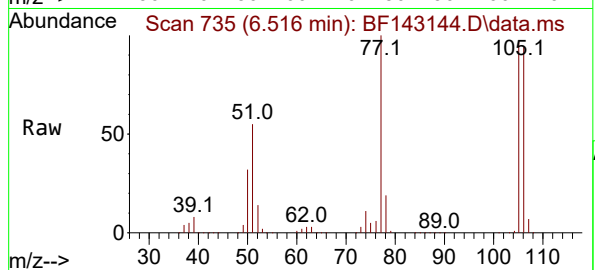
Tgt Ion: 77 Resp: 482238

Ion Ratio Lower Upper

77 100

105 96.8 76.8 116.8

106 94.4 74.4 114.4



#10

Phenol

Concen: 39.487 ng m

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

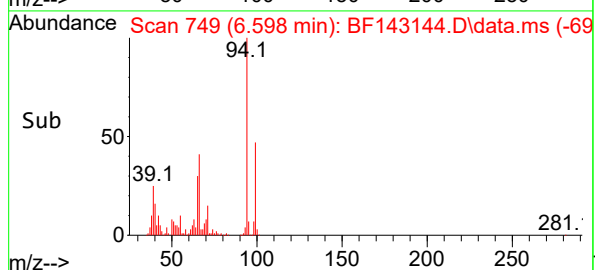
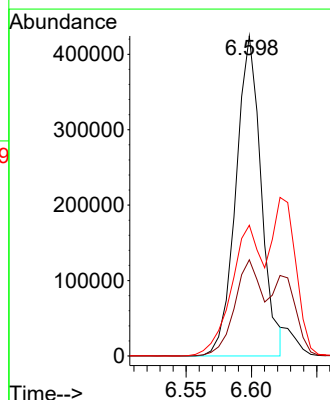
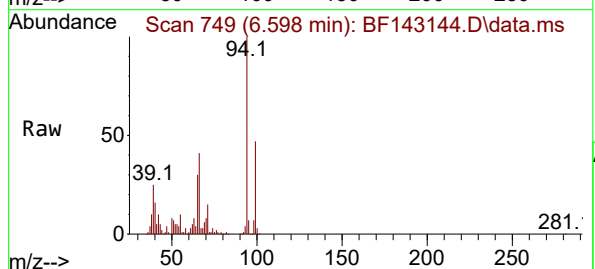
Tgt Ion: 94 Resp: 571741

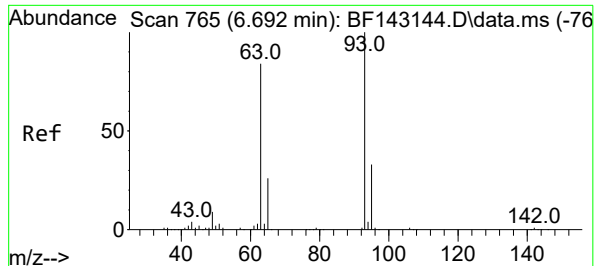
Ion Ratio Lower Upper

94 100

65 30.0 10.0 50.0

66 40.8 20.8 60.8

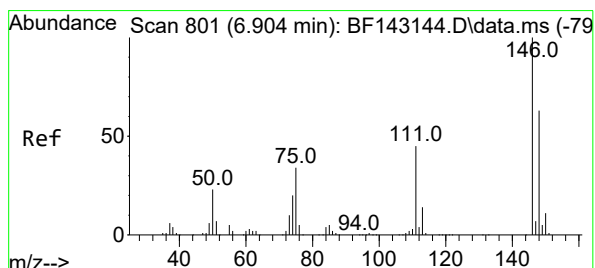
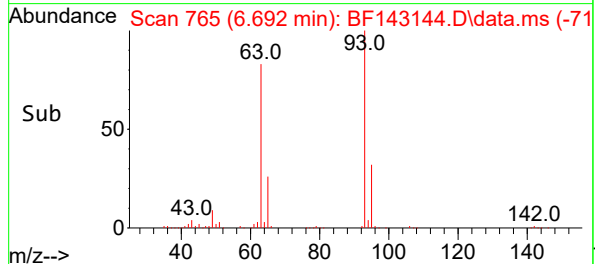
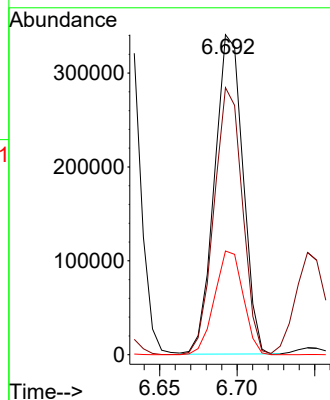
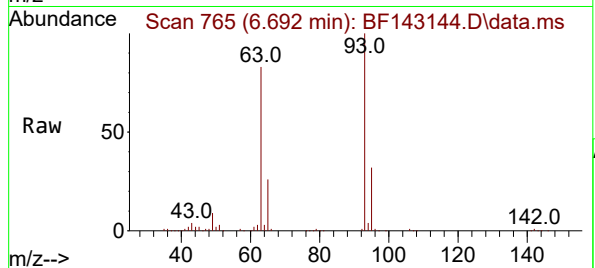




#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

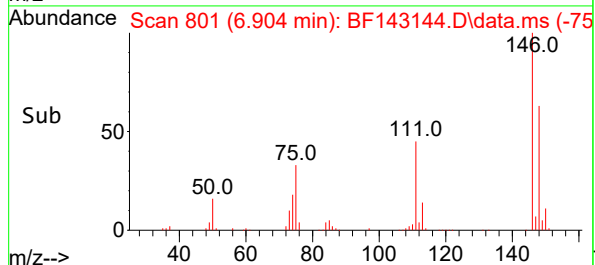
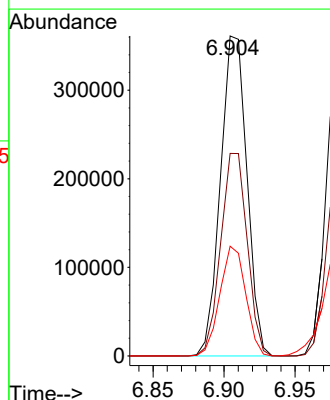
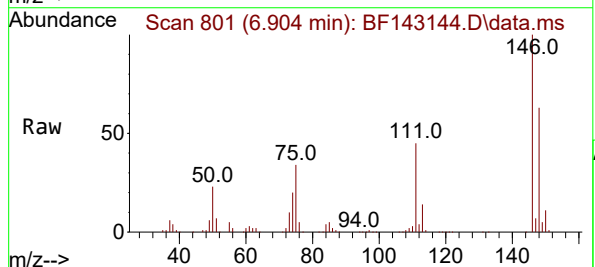
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

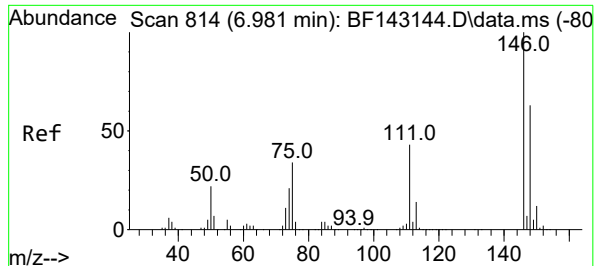
Tgt Ion: 93 Resp: 435450
Ion Ratio Lower Upper
93 100
63 83.4 63.4 103.4
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 146 Resp: 468194
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
75 34.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.147 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

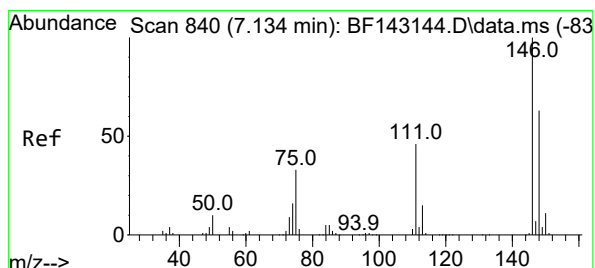
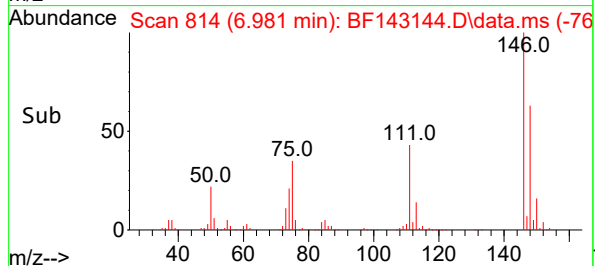
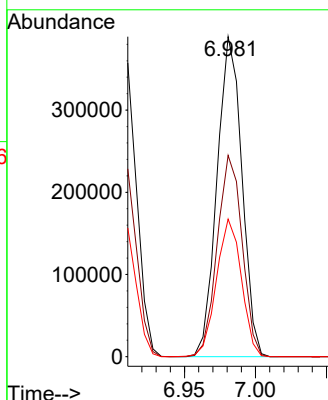
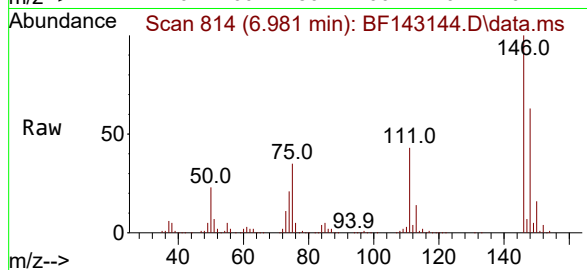
Tgt Ion:146 Resp: 474015

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

111 43.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 38.970 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

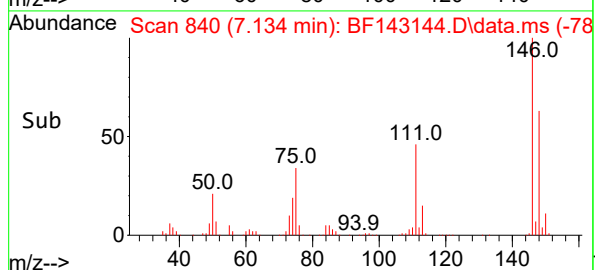
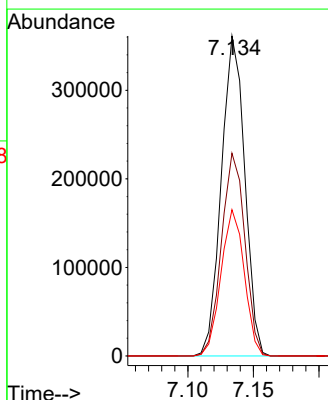
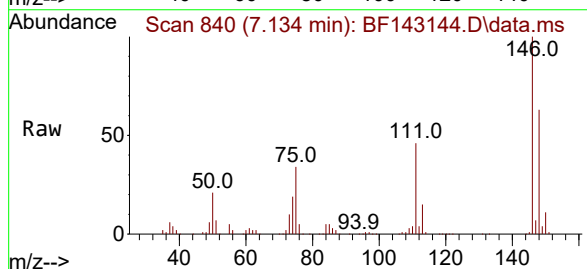
Tgt Ion:146 Resp: 448808

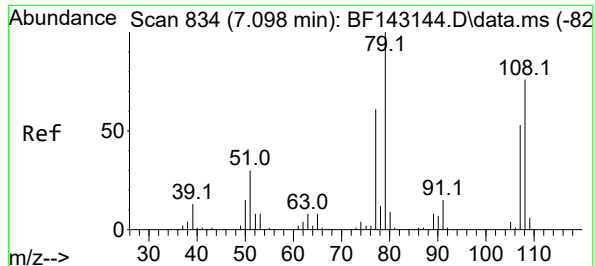
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 45.7 36.6 54.8





#15

Benzyl Alcohol

Concen: 40.017 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

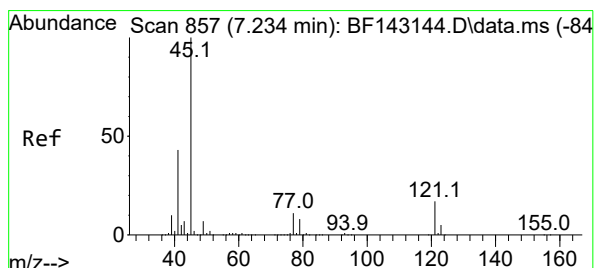
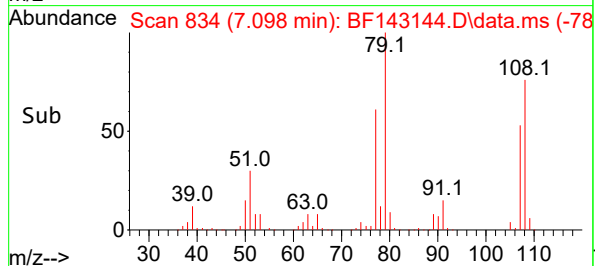
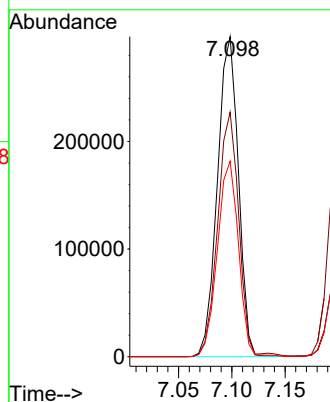
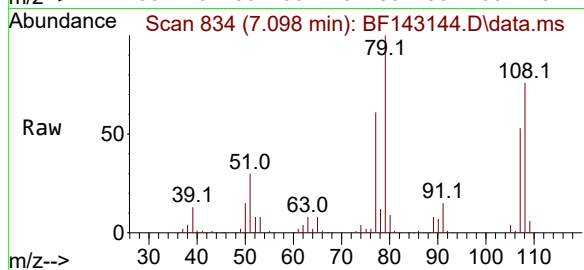
Tgt Ion: 79 Resp: 406107

Ion Ratio Lower Upper

79 100

108 76.4 61.1 91.7

77 61.1 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.337 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

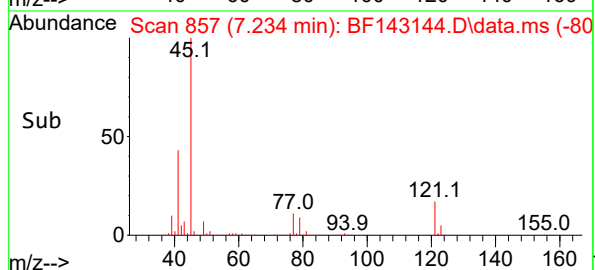
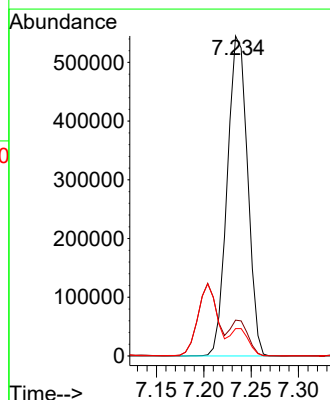
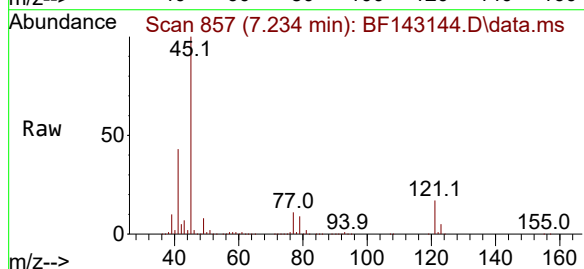
Tgt Ion: 45 Resp: 808980

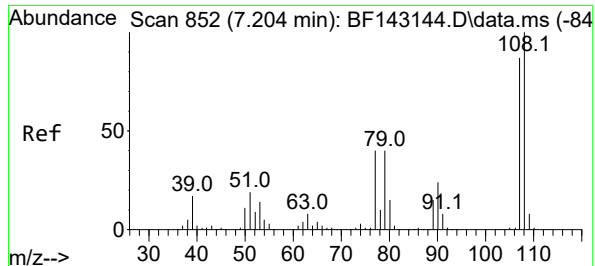
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

79 8.5 0.0 28.5

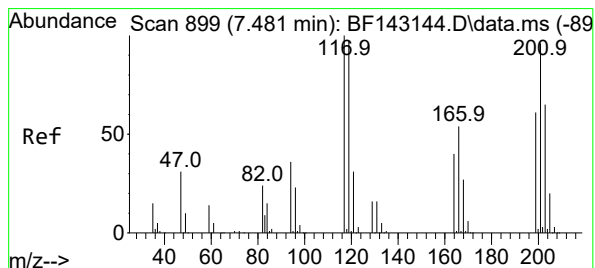
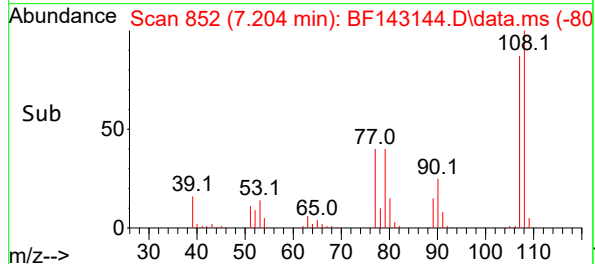
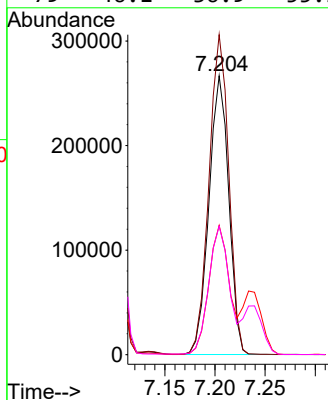
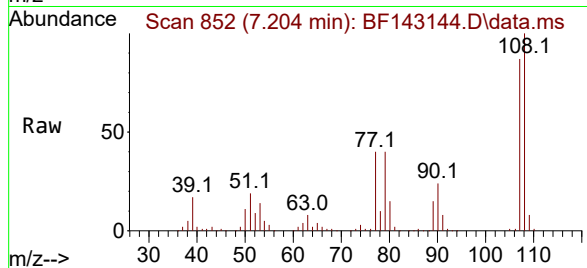




#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

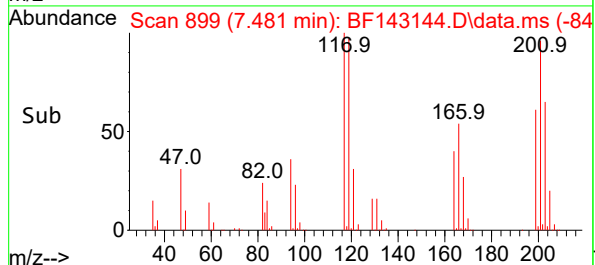
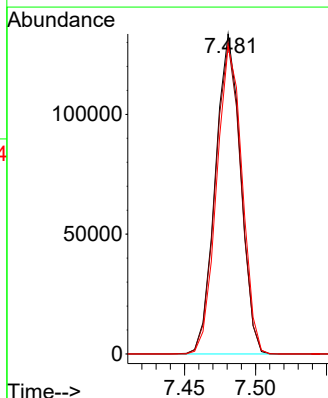
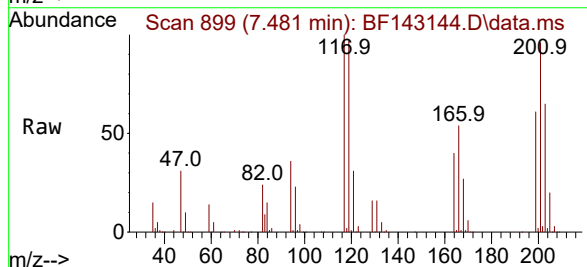
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

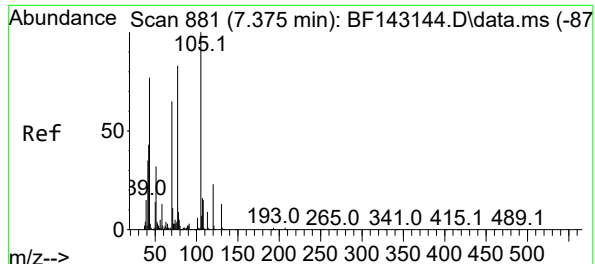
Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.8	137.6
77	46.3	37.0	55.6
79	46.1	36.9	55.3



#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
201	96.2	77.0	115.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.656 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

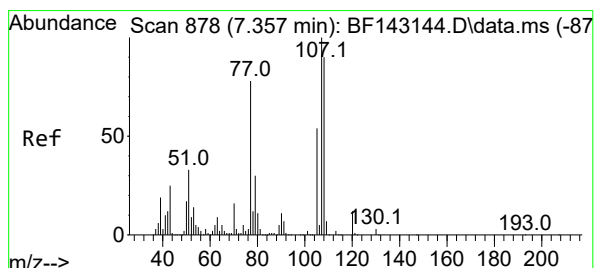
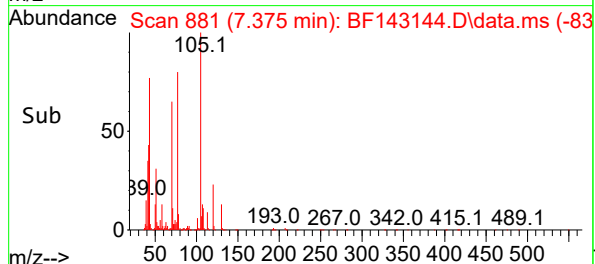
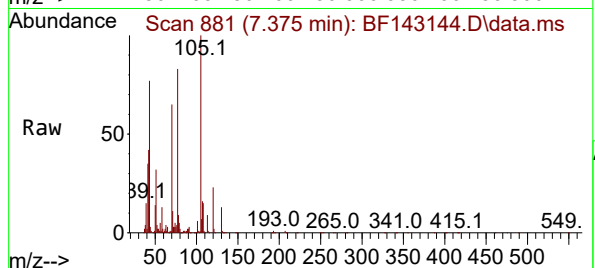
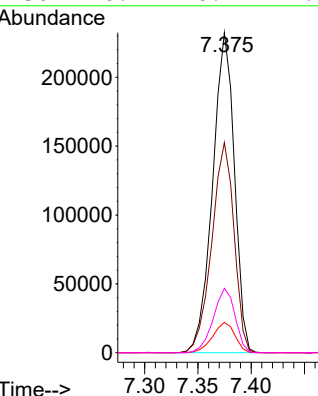
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 329619

Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.5	7.6	11.4
130	20.1	16.1	24.1



#20

3+4-Methylphenols

Concen: 39.685 ng

RT: 7.357 min Scan# 878

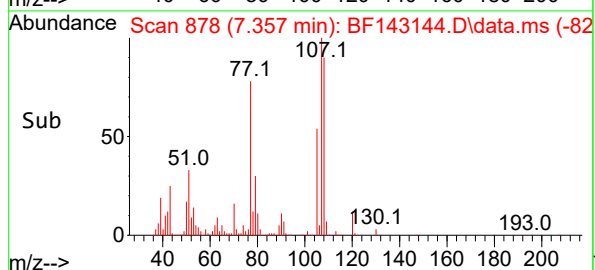
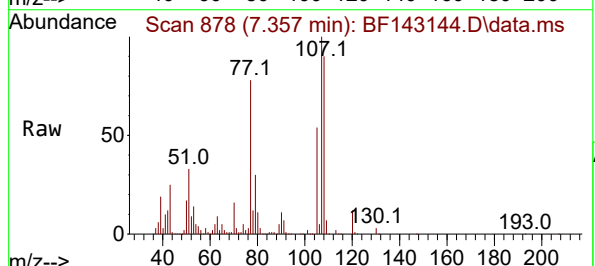
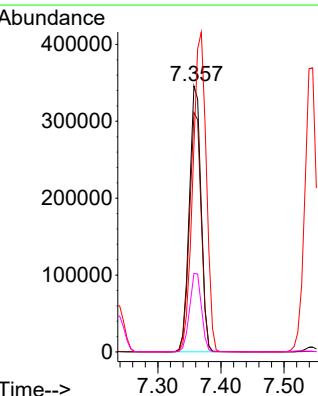
Delta R.T. 0.000 min

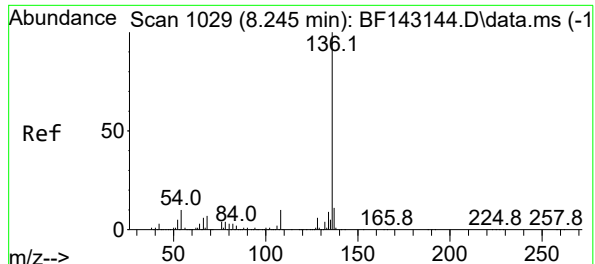
Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion: 107 Resp: 448100

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.0	110.0
77	77.8	57.8	97.8
79	29.5	9.5	49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 641413

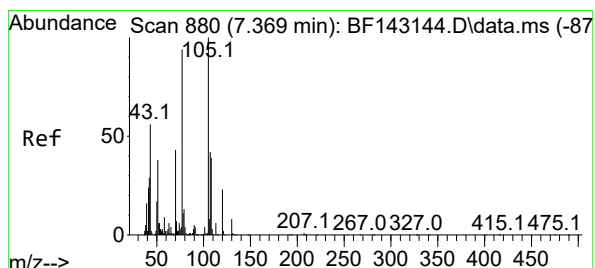
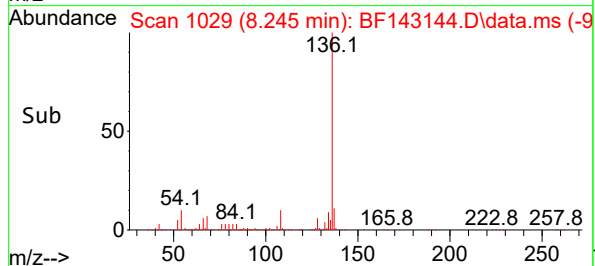
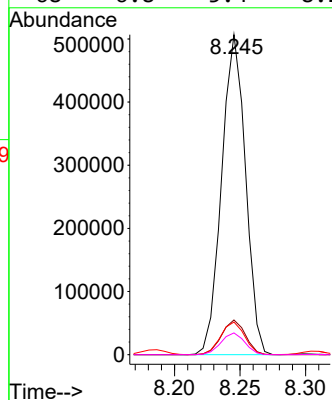
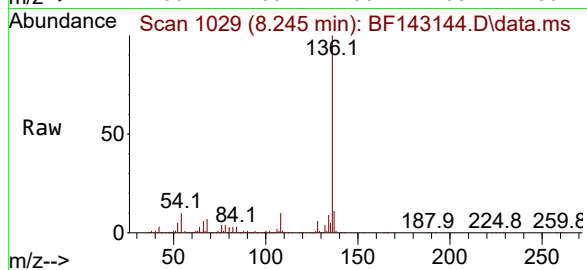
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 10.2 8.2 12.2

68 6.8 5.4 8.2



#22

Acetophenone

Concen: 38.444 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion:105 Resp: 583796

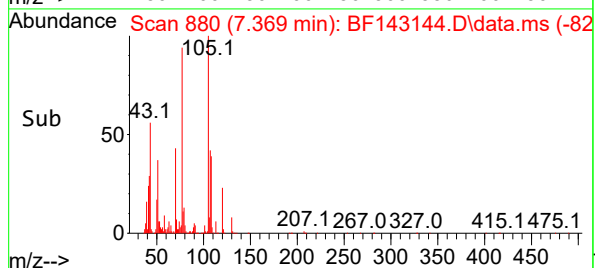
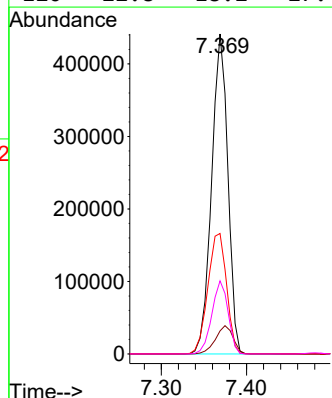
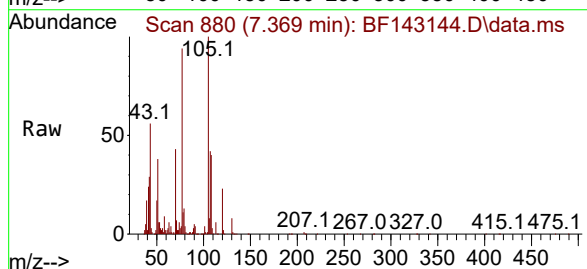
Ion Ratio Lower Upper

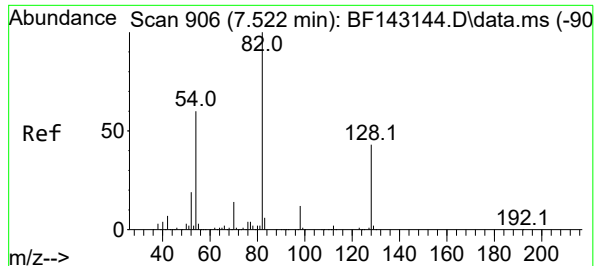
105 100

71 7.2 5.8 8.6

51 37.7 30.2 45.2

120 22.8 18.2 27.4





#23

Nitrobenzene-d5

Concen: 79.512 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

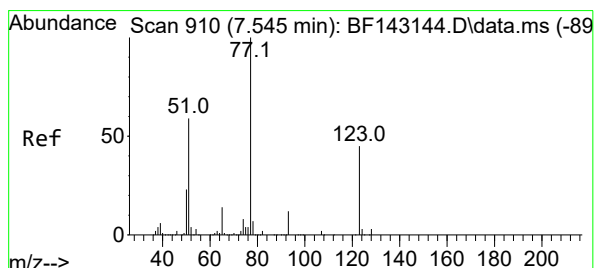
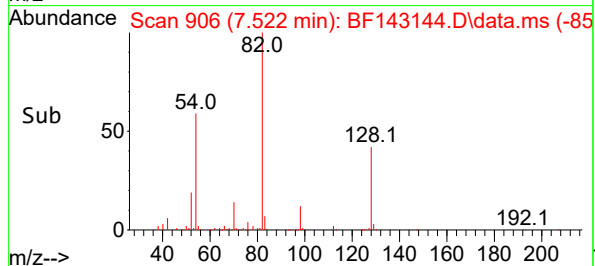
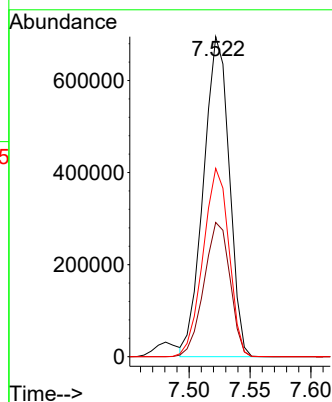
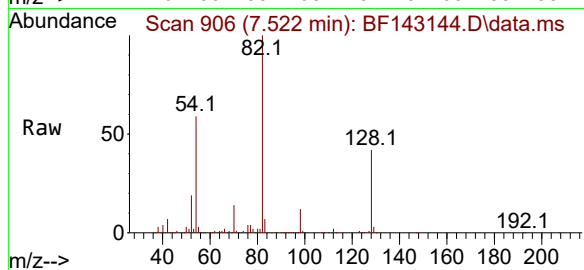
Tgt Ion: 82 Resp: 1023138

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 40.136 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

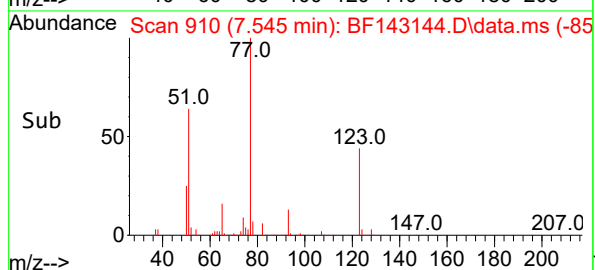
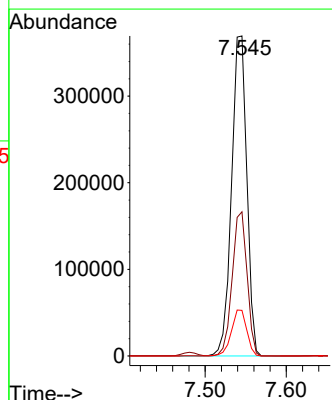
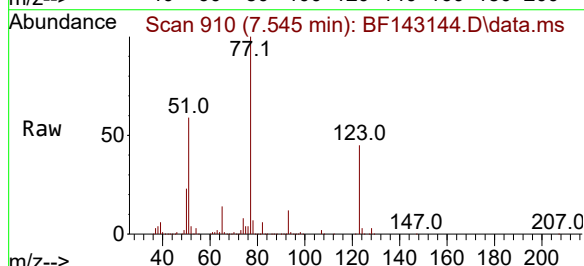
Tgt Ion: 77 Resp: 481500

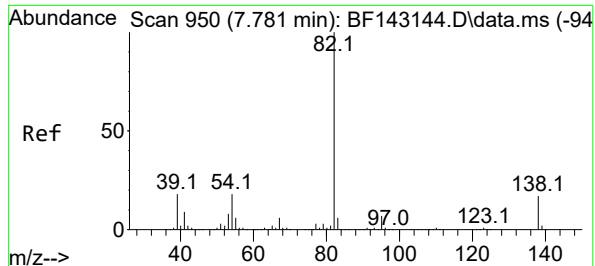
Ion Ratio Lower Upper

77 100

123 45.1 36.1 54.1

65 14.3 11.4 17.2

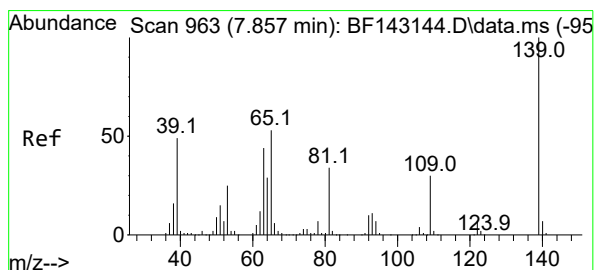
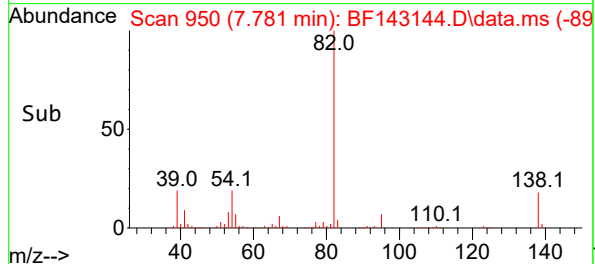
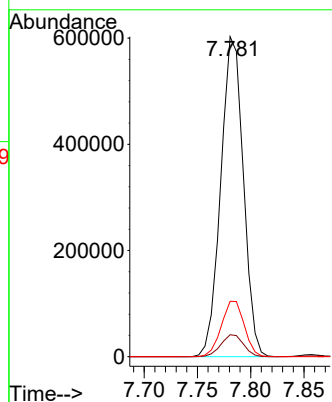
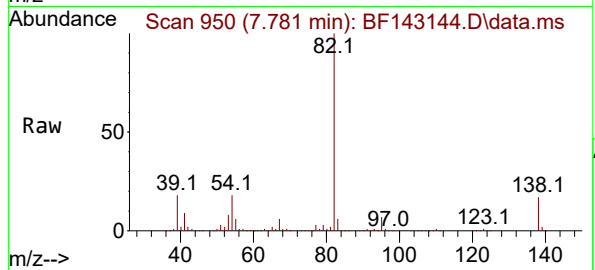




#25
Isophorone
Concen: 39.093 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

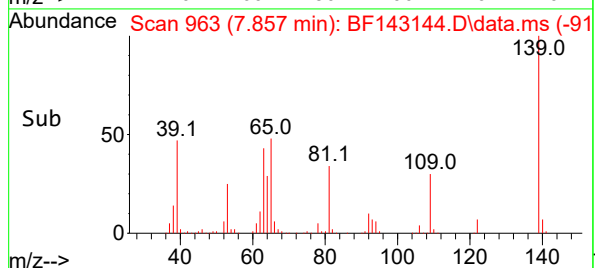
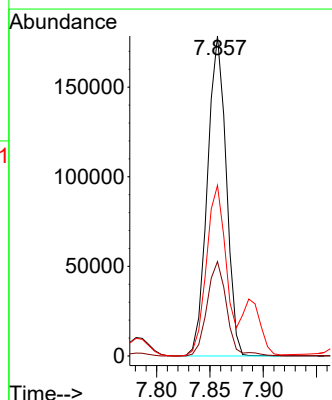
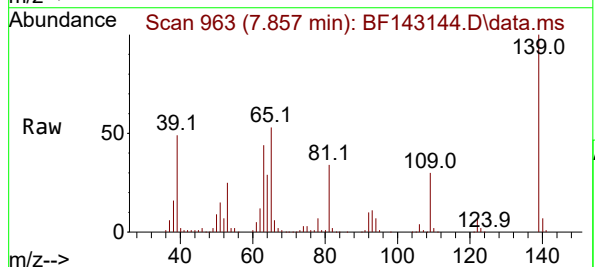
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

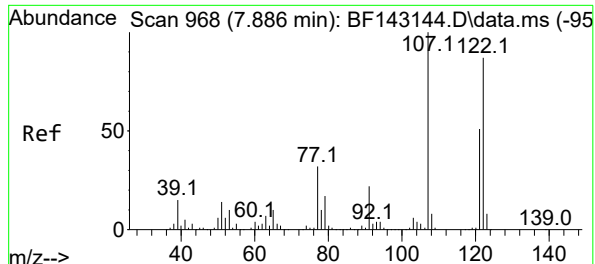
Tgt Ion: 82 Resp: 888017
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.3 13.8 20.8



#26
2-Nitrophenol
Concen: 42.323 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 220354
Ion Ratio Lower Upper
139 100
109 29.5 23.6 35.4
65 53.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 39.210 ng

RT: 7.886 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

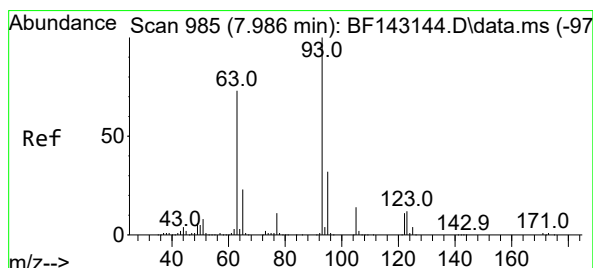
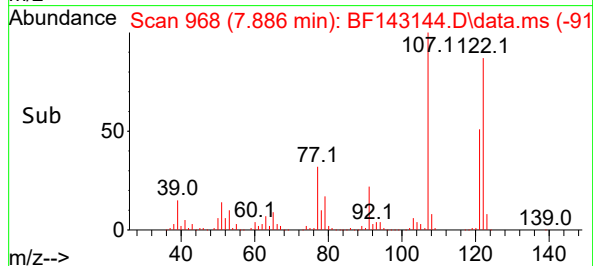
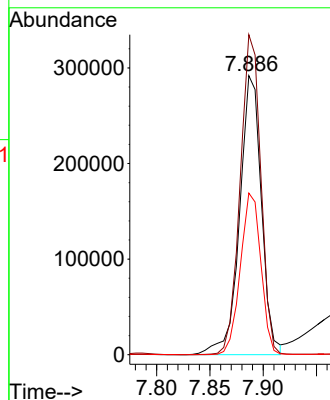
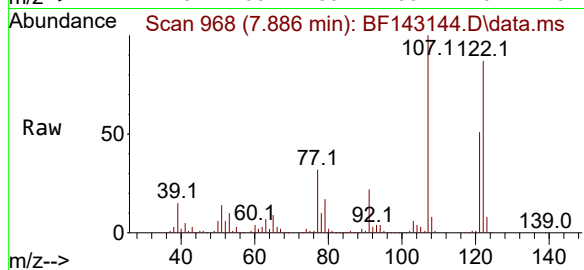
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 416128

Ion	Ratio	Lower	Upper
122	100		
107	114.7	91.8	137.6
121	57.9	46.3	69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.860 ng

RT: 7.986 min Scan# 985

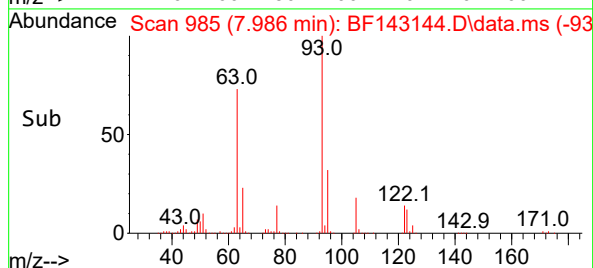
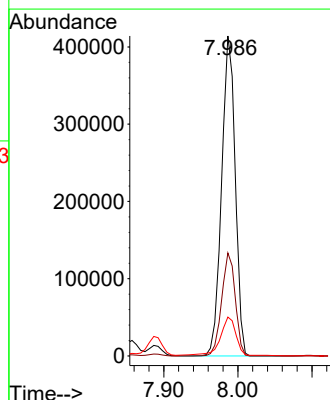
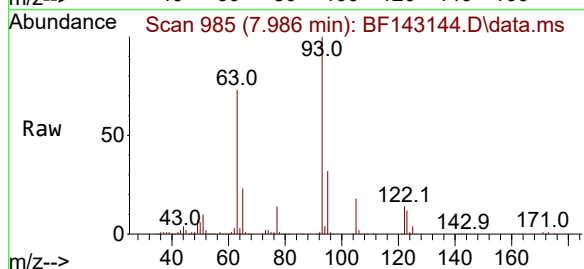
Delta R.T. 0.000 min

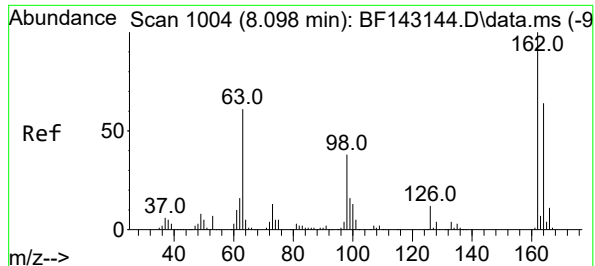
Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 529258

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	12.1	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 39.537 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

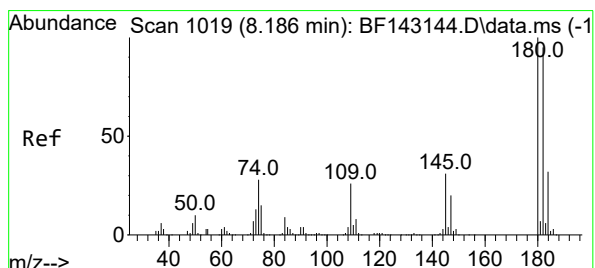
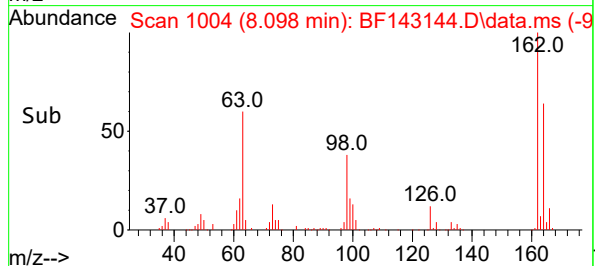
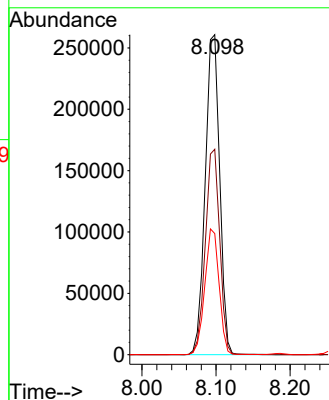
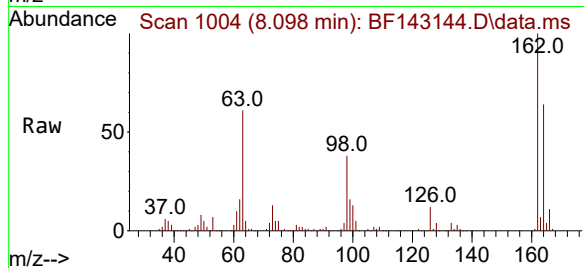
Tgt Ion:162 Resp: 353866

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 37.9 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 38.947 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

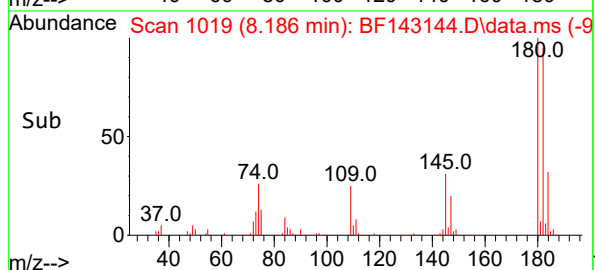
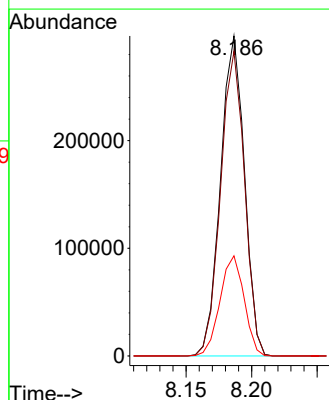
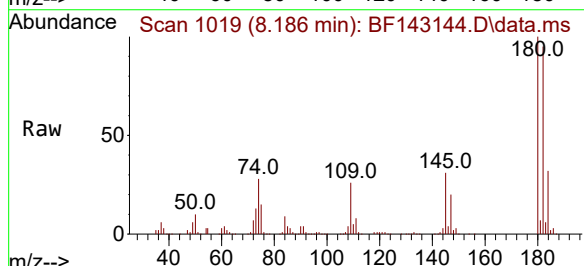
Tgt Ion:180 Resp: 376590

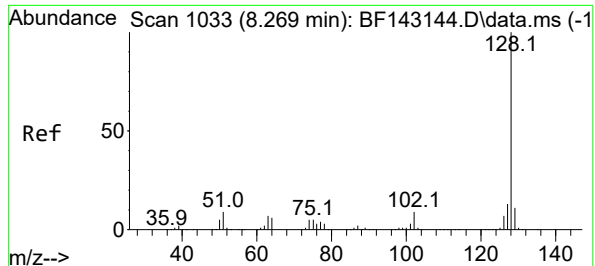
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.3 25.0 37.6





#31

Naphthalene

Concen: 38.749 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

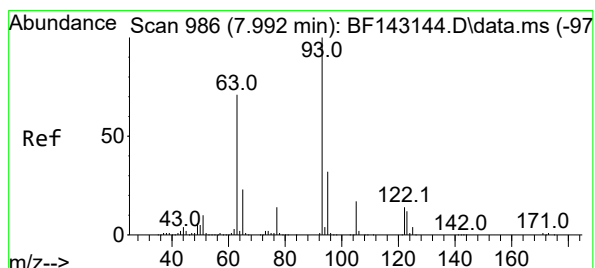
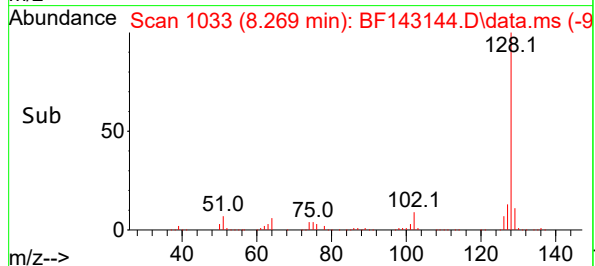
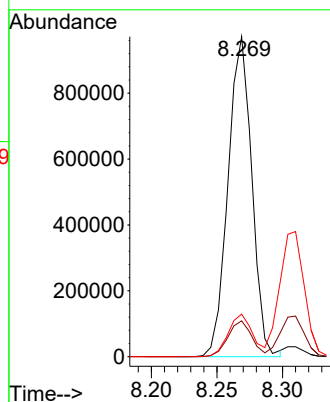
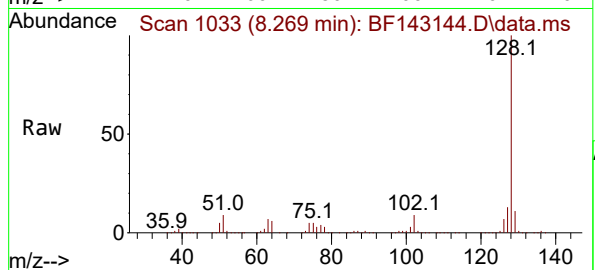
Tgt Ion:128 Resp: 1224033

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 39.680 ng m

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

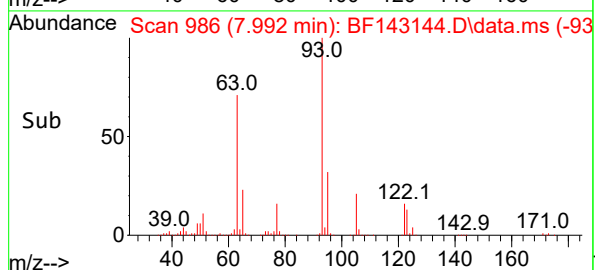
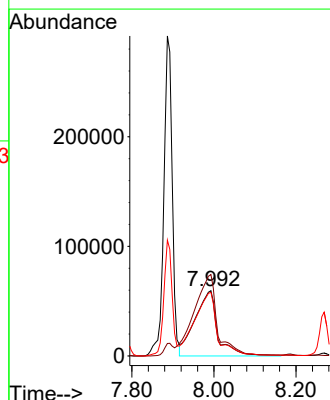
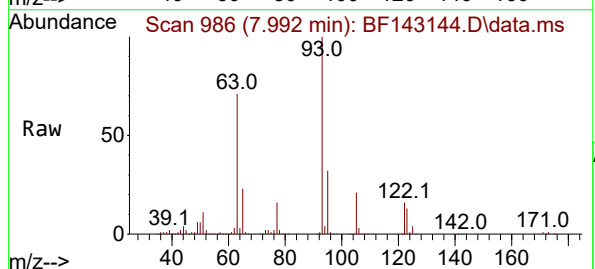
Tgt Ion:122 Resp: 230958

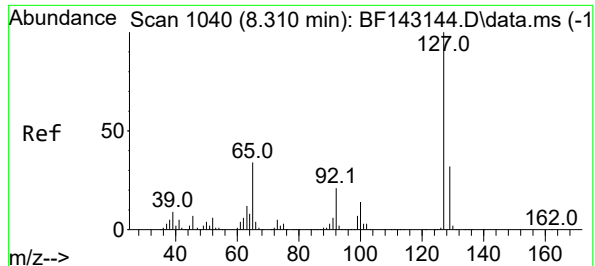
Ion Ratio Lower Upper

122 100

105 124.8 104.8 144.8

77 97.6 77.6 117.6





#33

4-Chloroaniline

Concen: 38.796 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 500402

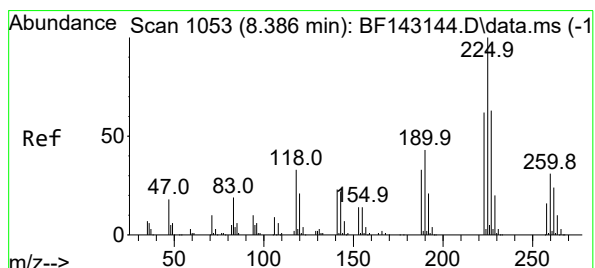
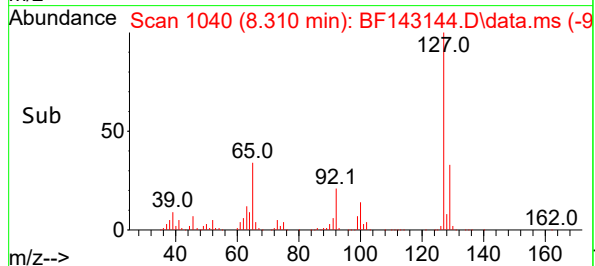
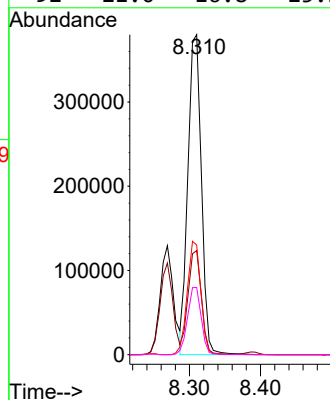
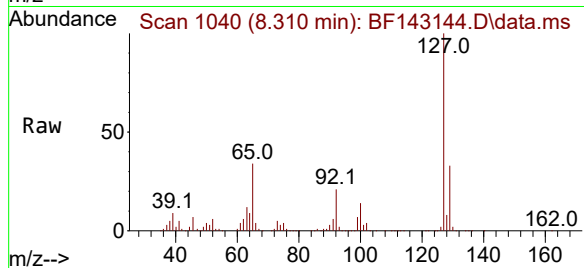
Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 34.3 27.4 41.2

92 21.0 16.8 25.2



#34

Hexachlorobutadiene

Concen: 39.211 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

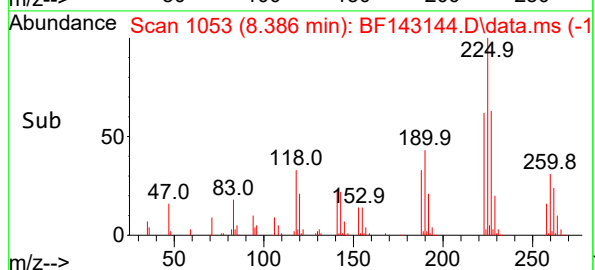
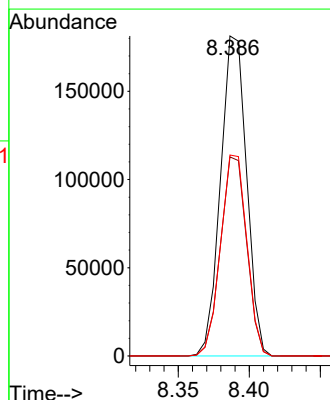
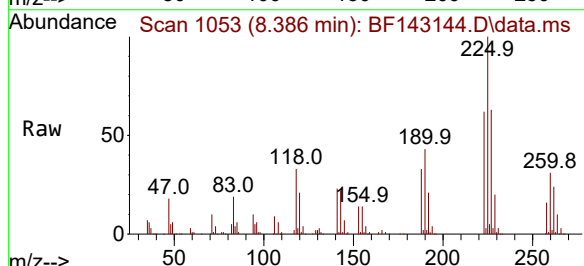
Tgt Ion:225 Resp: 231609

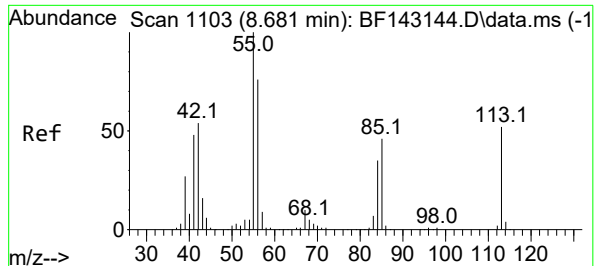
Ion Ratio Lower Upper

225 100

223 62.2 49.8 74.6

227 62.8 50.2 75.4

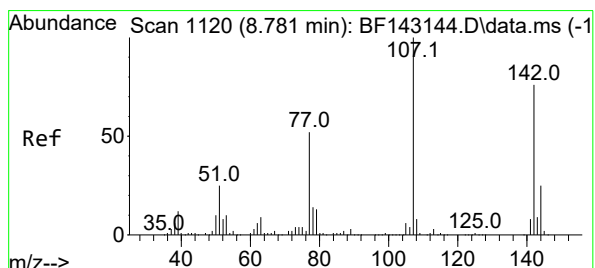
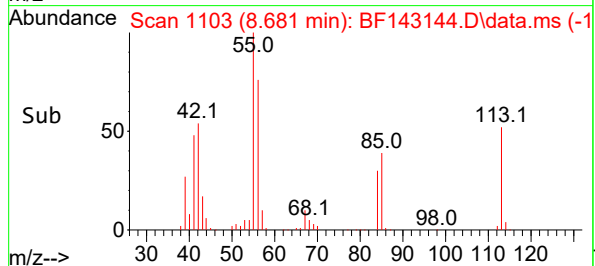
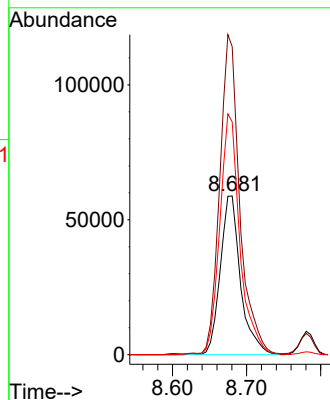
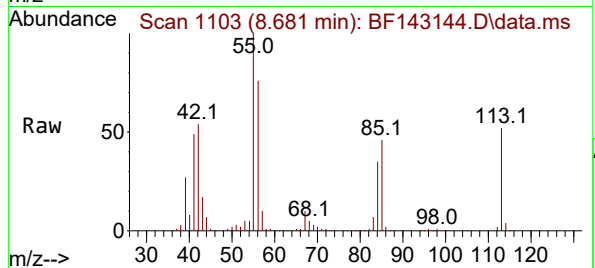




#35
Caprolactam
Concen: 41.312 ng
RT: 8.681 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

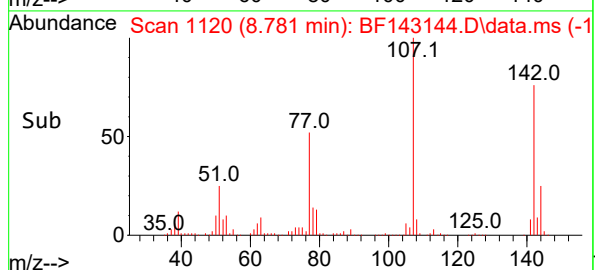
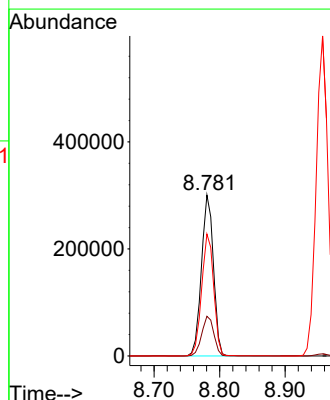
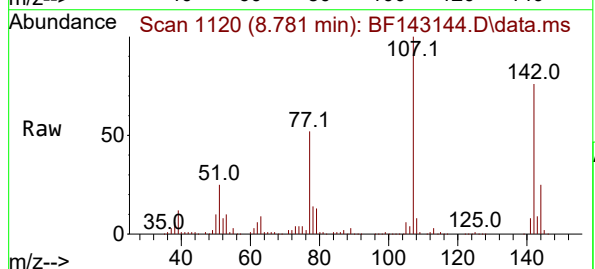
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

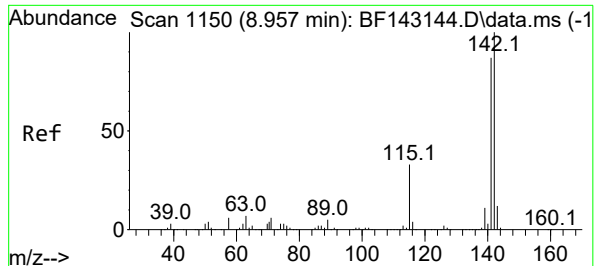
Tgt Ion:113 Resp: 111733
Ion Ratio Lower Upper
113 100
55 194.0 174.0 214.0
56 146.6 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 385507
Ion Ratio Lower Upper
107 100
144 24.7 19.8 29.6
142 75.7 60.6 90.8





#37

2-Methylnaphthalene

Concen: 38.720 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

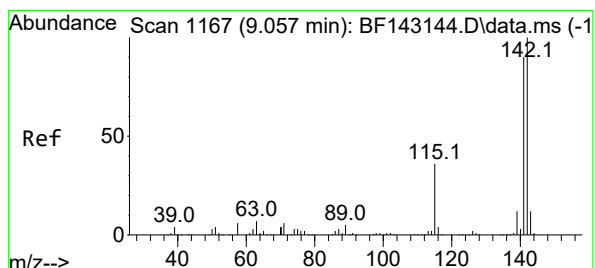
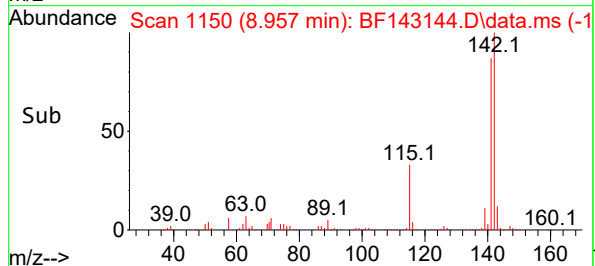
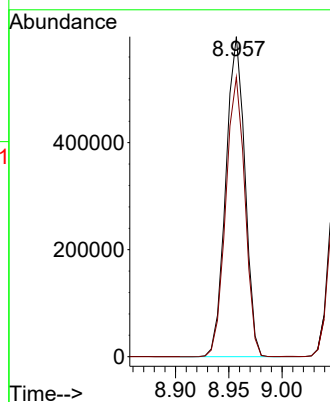
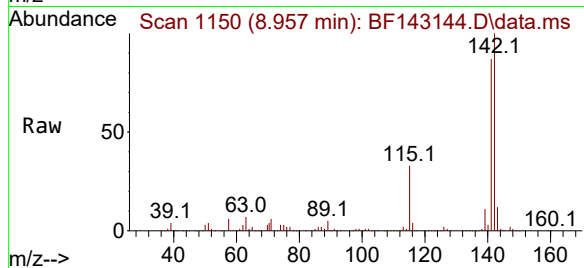
SSTDICCC040

Tgt Ion:142 Resp: 744295

Ion Ratio Lower Upper

142 100

141 87.4 69.9 104.9



#38

1-Methylnaphthalene

Concen: 38.825 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143144.D

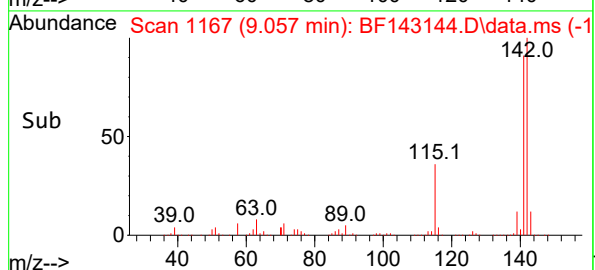
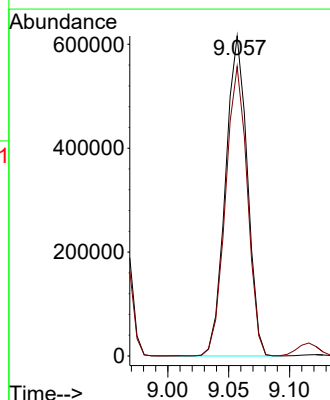
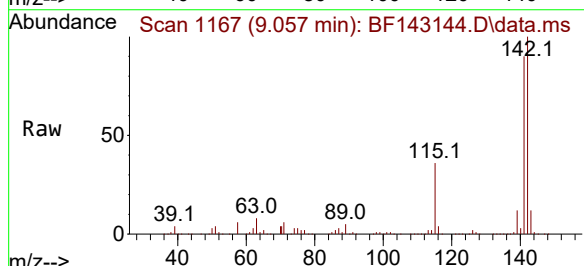
Acq: 17 Jul 2025 13:03

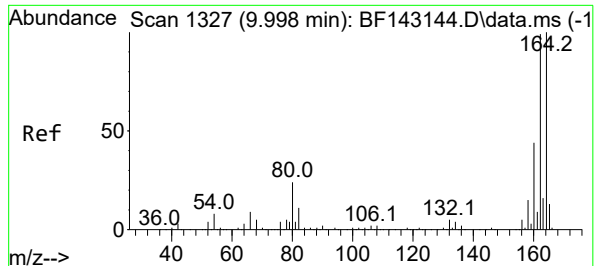
Tgt Ion:142 Resp: 768508

Ion Ratio Lower Upper

142 100

141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

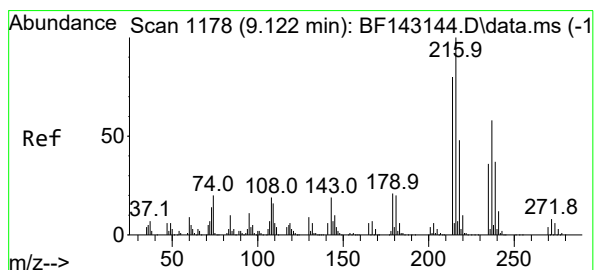
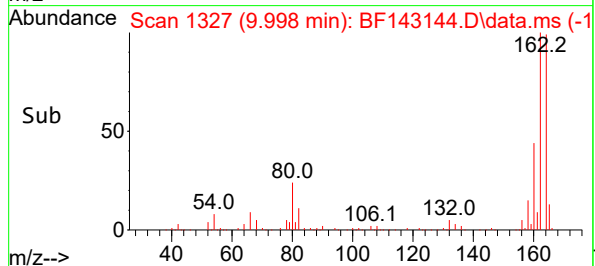
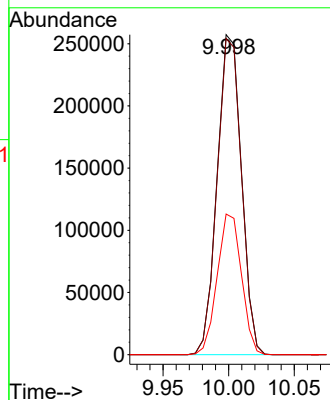
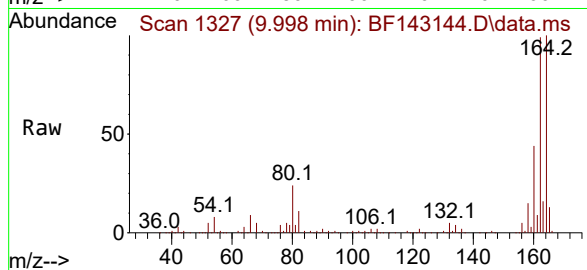
Tgt Ion:164 Resp: 331881

Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.118 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion:216 Resp: 365234

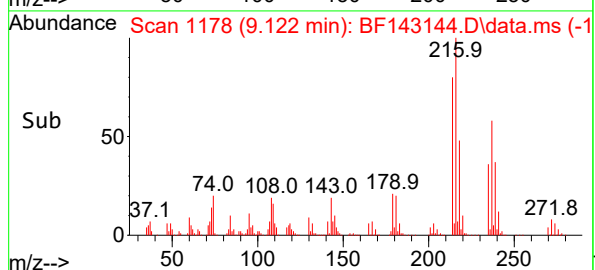
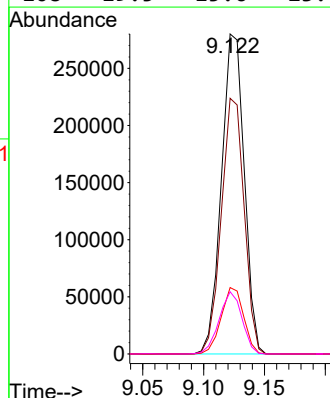
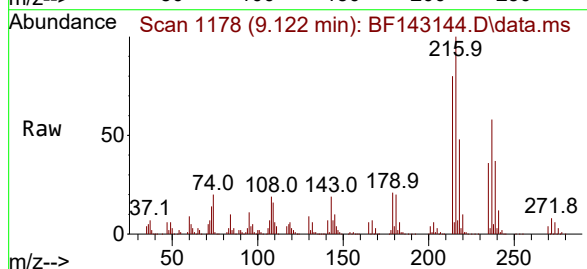
Ion Ratio Lower Upper

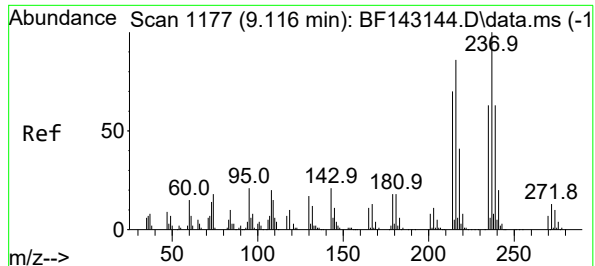
216 100

214 79.8 63.8 95.8

179 20.5 16.4 24.6

108 19.5 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 39.695 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

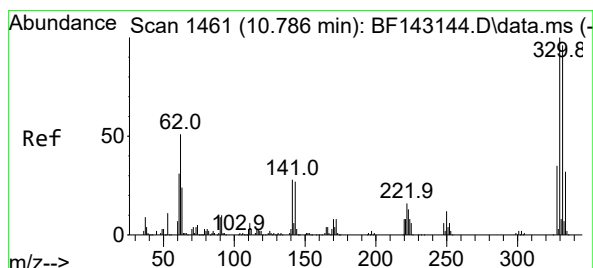
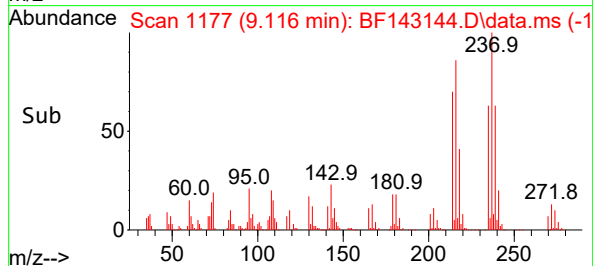
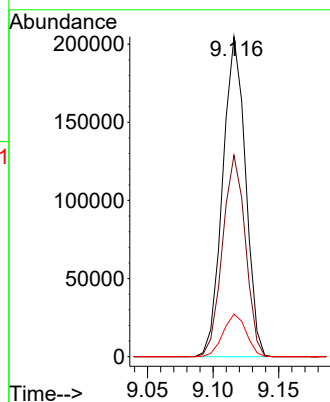
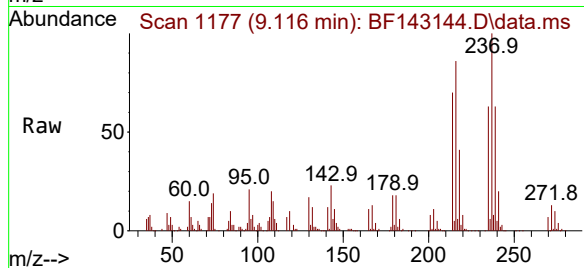
Tgt Ion:237 Resp: 247480

Ion Ratio Lower Upper

237 100

235 63.0 43.0 83.0

272 13.3 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 81.485 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

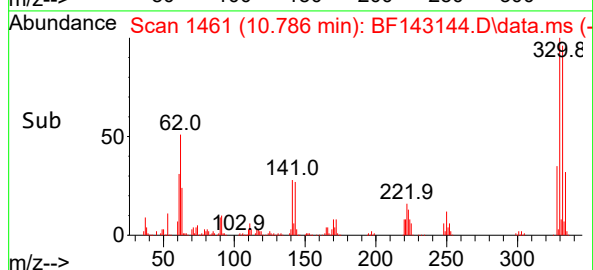
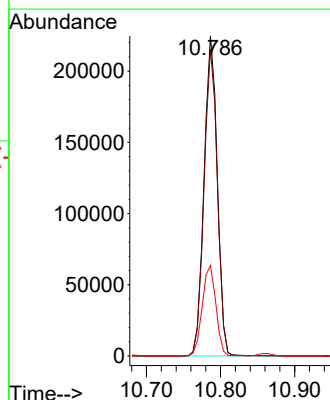
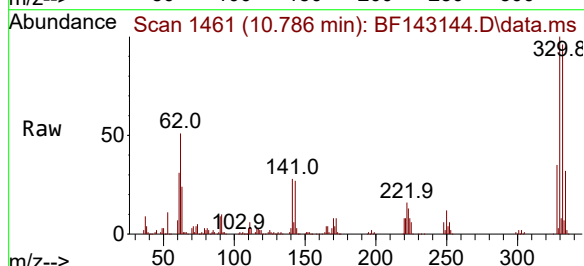
Tgt Ion:330 Resp: 279373

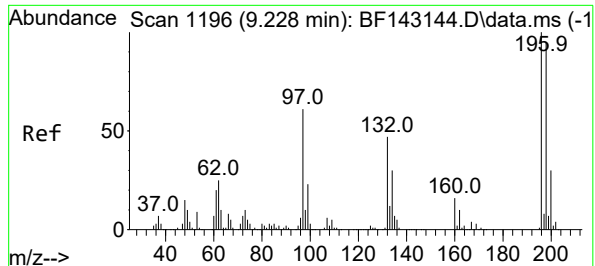
Ion Ratio Lower Upper

330 100

332 95.9 76.7 115.1

141 29.1 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.471 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143144.D

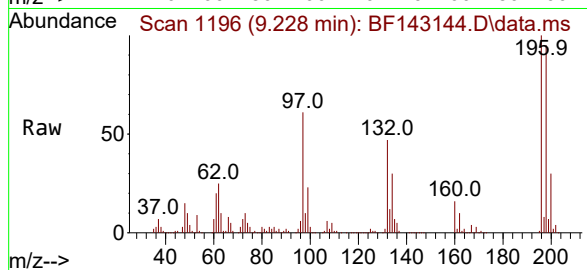
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



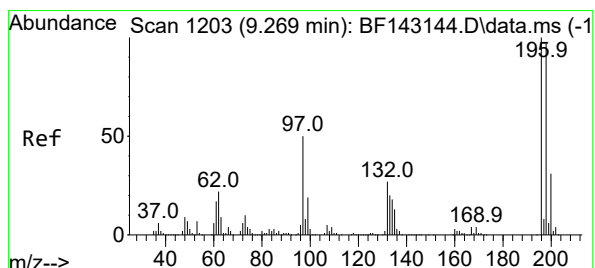
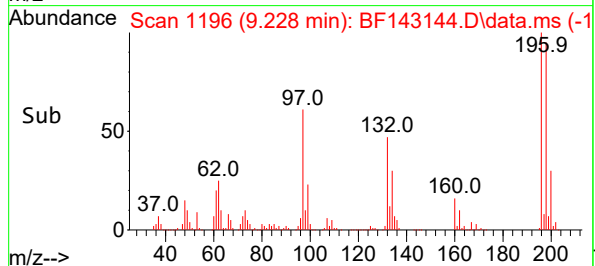
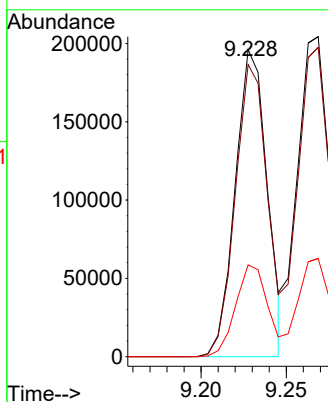
Tgt Ion:196 Resp: 255115

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 29.9 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 40.494 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion:196 Resp: 268615

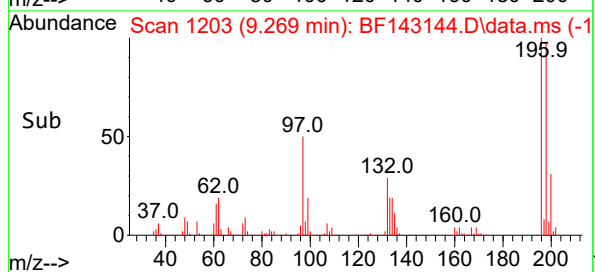
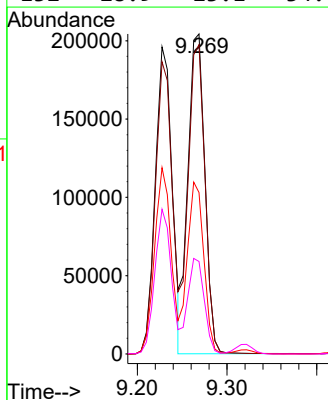
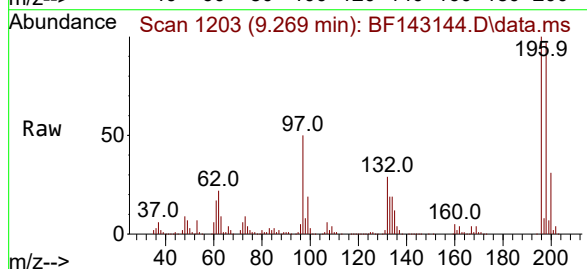
Ion Ratio Lower Upper

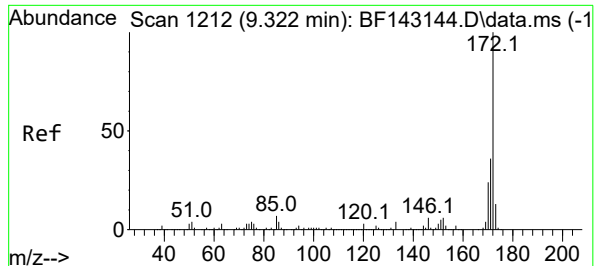
196 100

198 96.6 77.3 115.9

97 50.4 40.3 60.5

132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.274 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

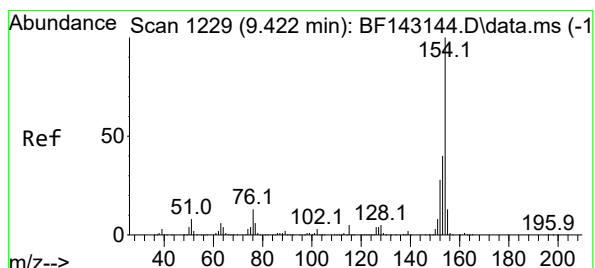
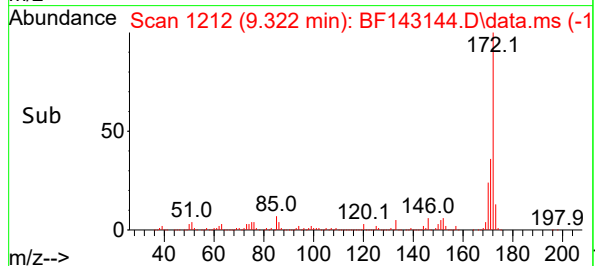
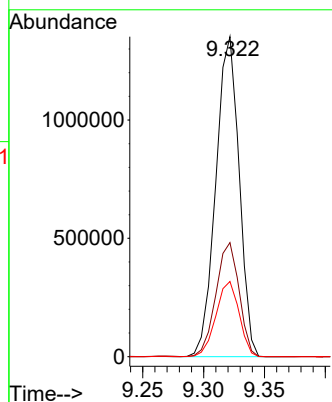
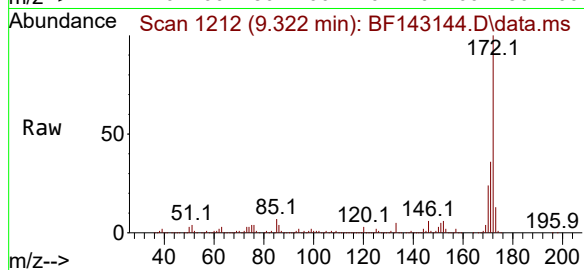
Tgt Ion:172 Resp: 1802398

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.177 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

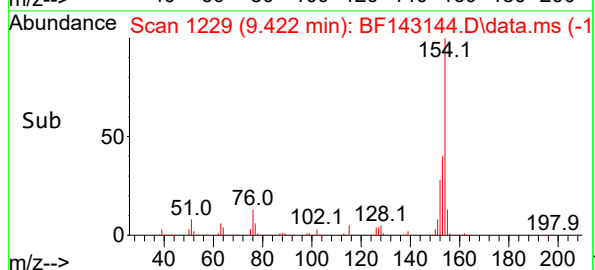
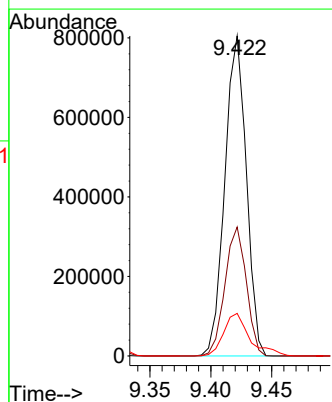
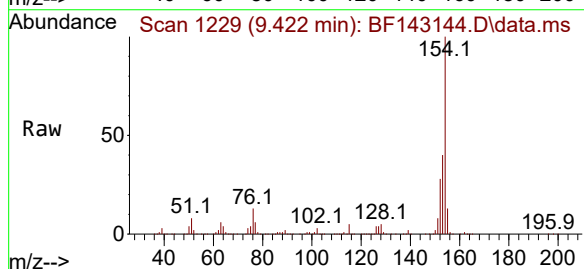
Tgt Ion:154 Resp: 988537

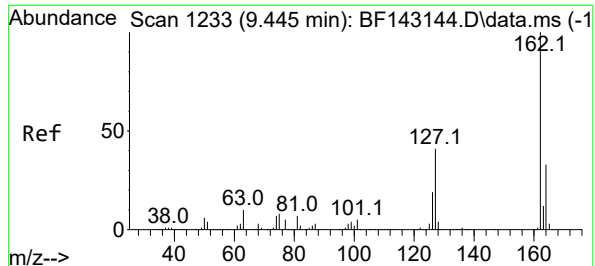
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.200 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

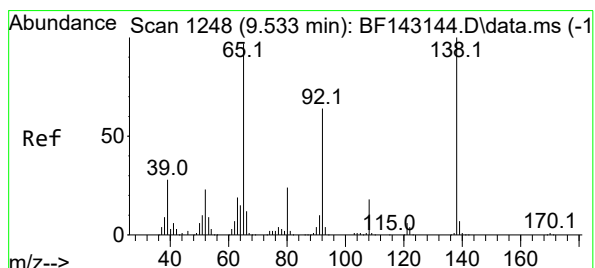
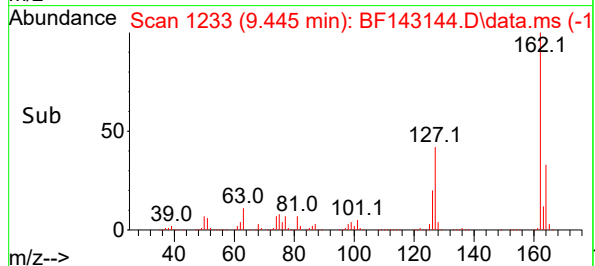
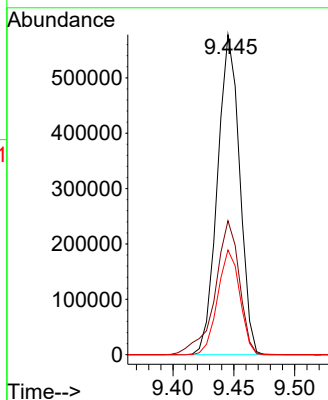
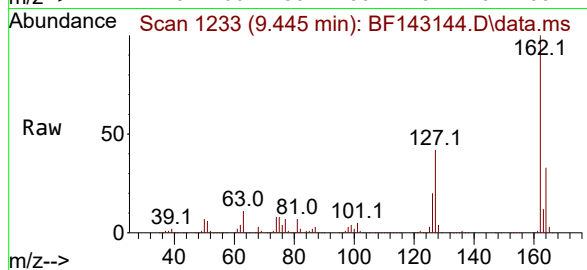
Tgt Ion:162 Resp: 731879

Ion Ratio Lower Upper

162 100

127 41.8 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 41.594 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

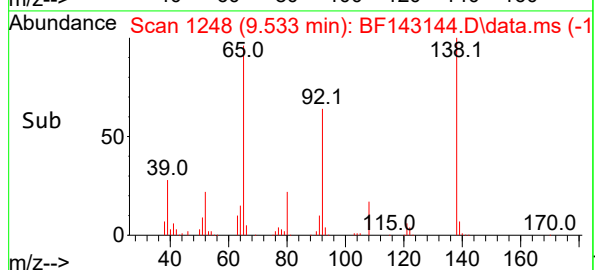
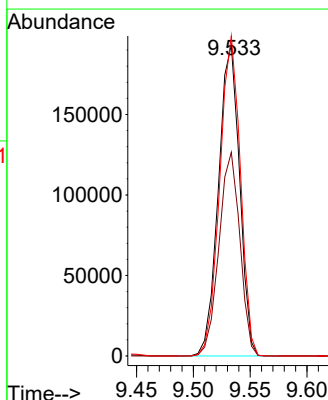
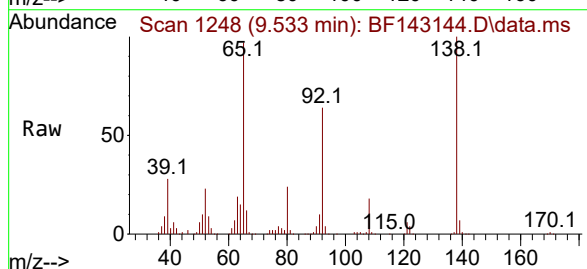
Tgt Ion: 65 Resp: 249908

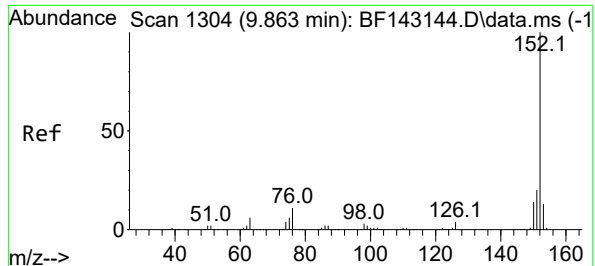
Ion Ratio Lower Upper

65 100

92 65.5 52.4 78.6

138 102.9 82.3 123.5





#49

Acenaphthylene

Concen: 38.458 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

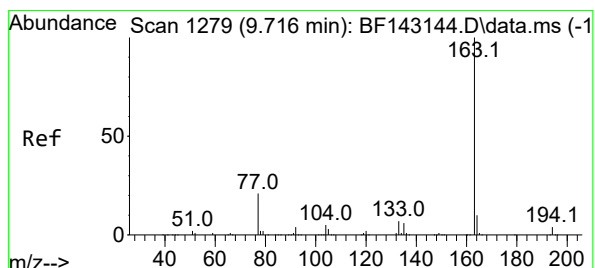
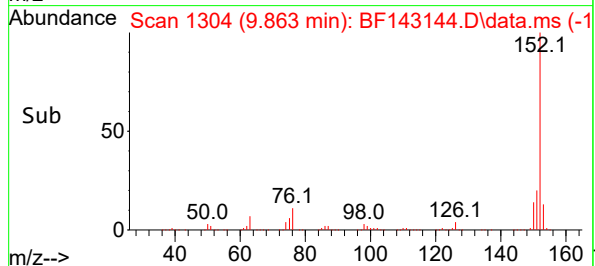
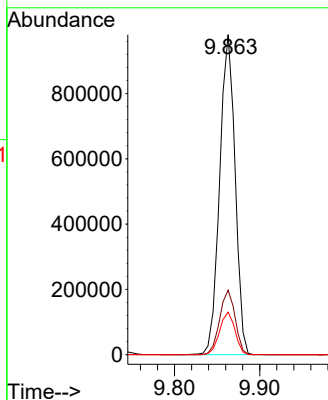
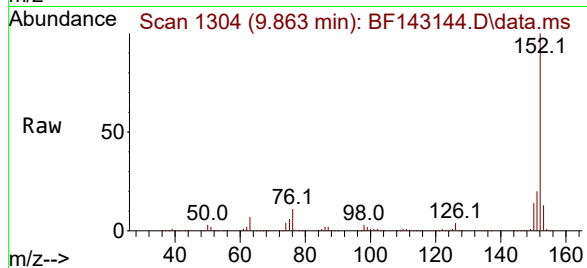
Tgt Ion:152 Resp: 1234789

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 39.238 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

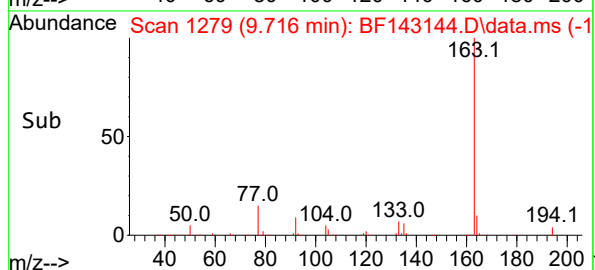
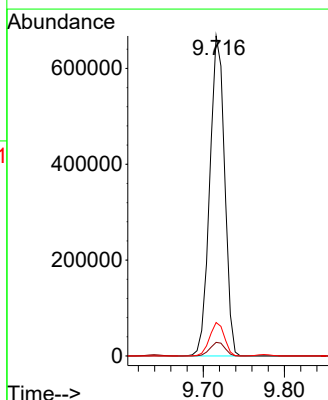
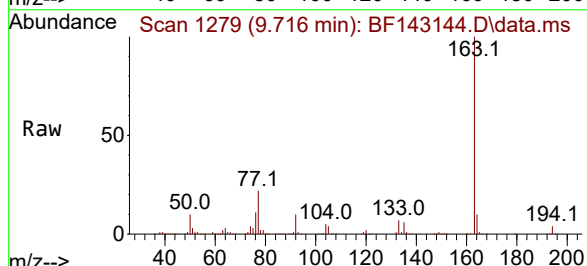
Tgt Ion:163 Resp: 848828

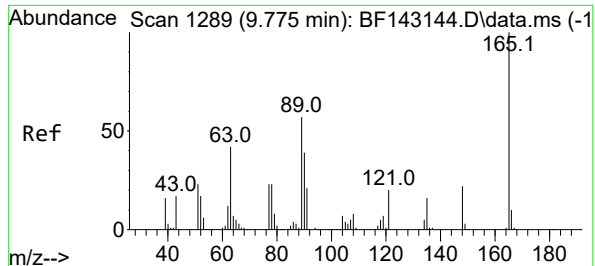
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.4 8.3 12.5

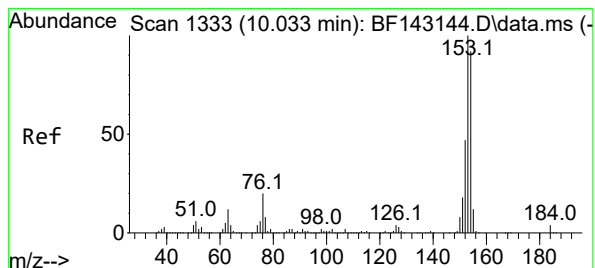
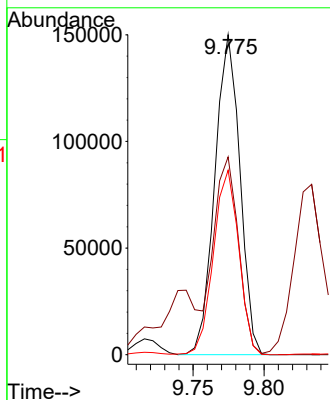
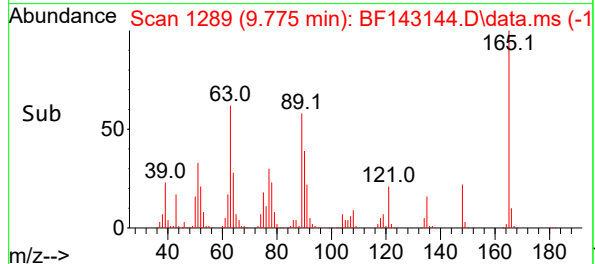
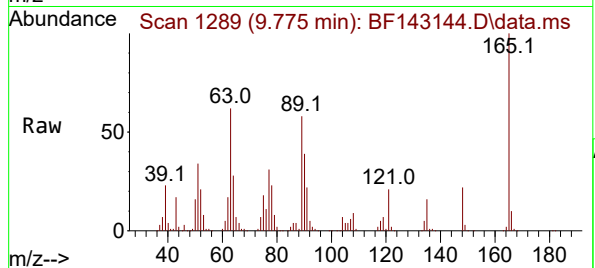




#51
2,6-Dinitrotoluene
Concen: 41.866 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

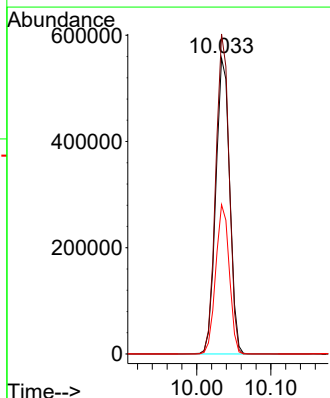
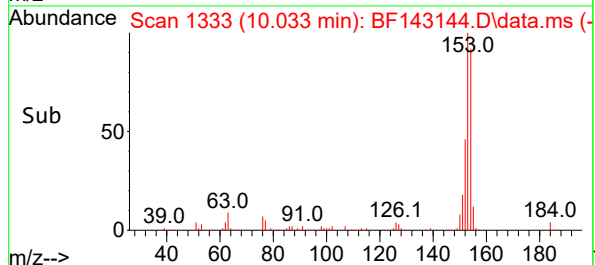
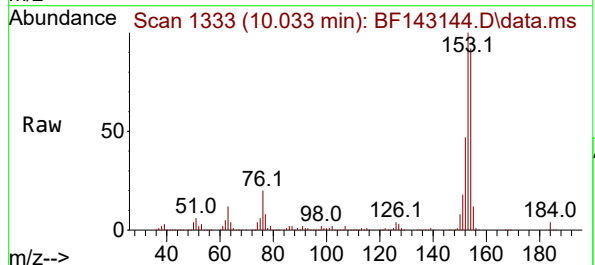
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

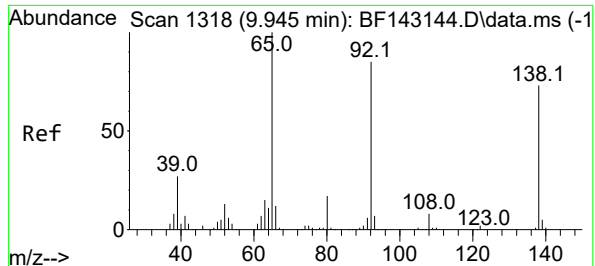
Tgt Ion:165 Resp: 184242
Ion Ratio Lower Upper
165 100
63 61.8 49.4 74.2
89 57.7 46.2 69.2



#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:154 Resp: 727386
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 50.5 40.4 60.6





#53

3-Nitroaniline

Concen: 40.832 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

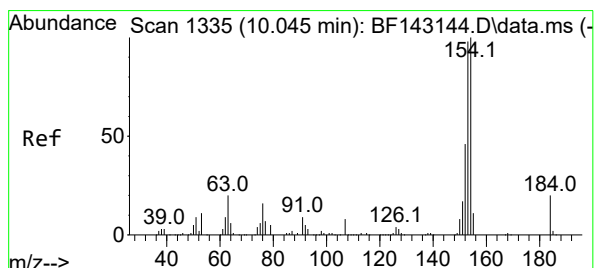
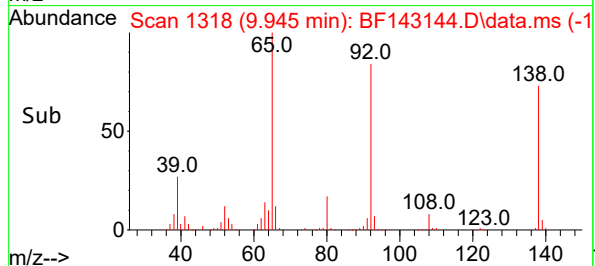
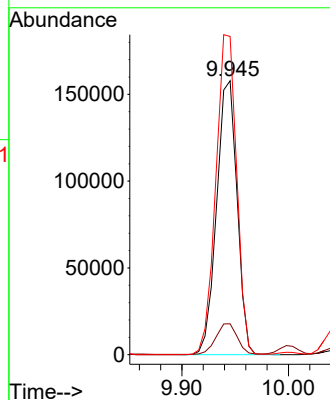
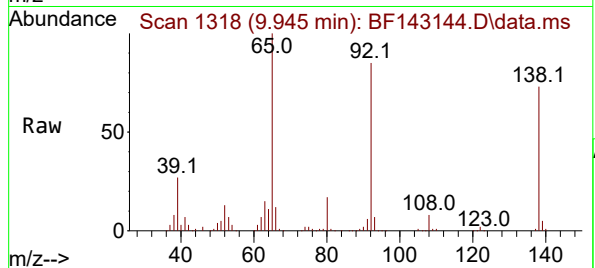
Tgt Ion:138 Resp: 210179

Ion Ratio Lower Upper

138 100

108 11.3 9.0 13.6

92 116.2 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 38.449 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

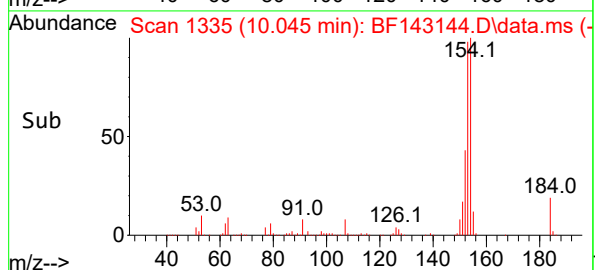
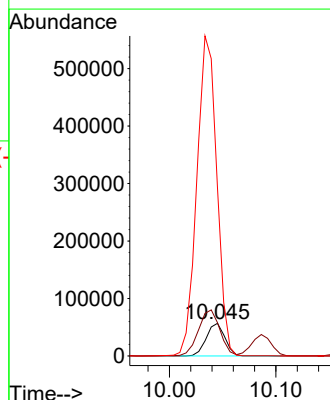
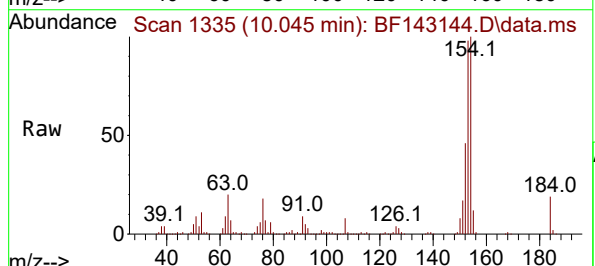
Tgt Ion:184 Resp: 69157

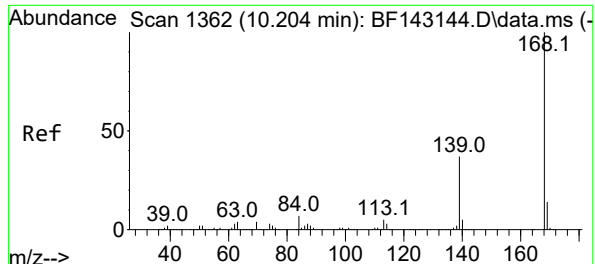
Ion Ratio Lower Upper

184 100

63 102.2 81.8 122.6

154 515.3 412.2 618.4

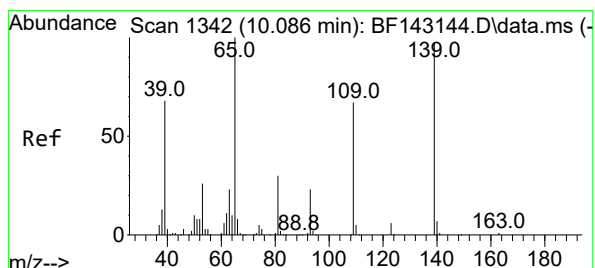
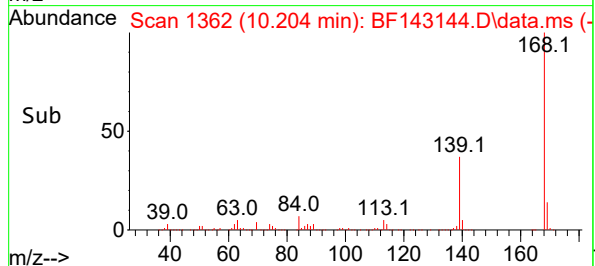
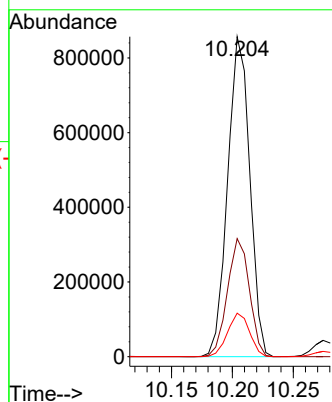
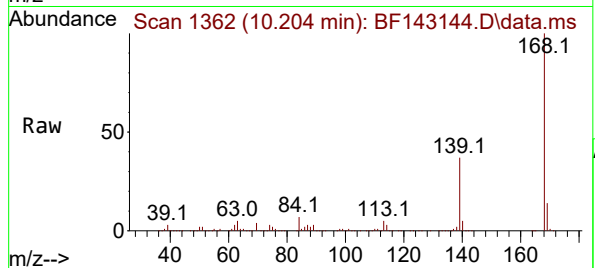




#55
Dibenzenofuran
Concen: 38.462 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

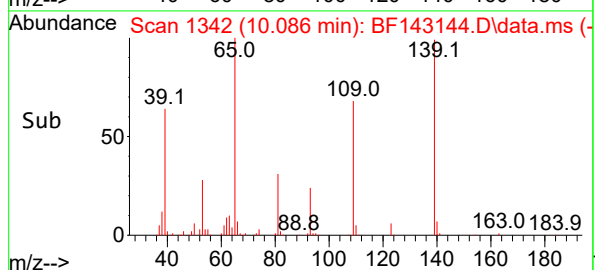
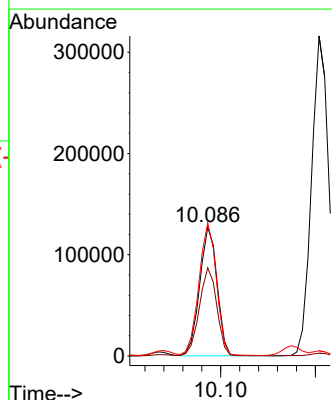
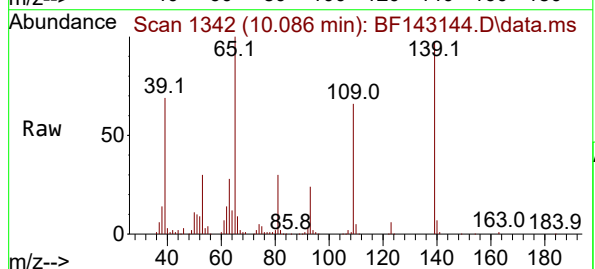
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

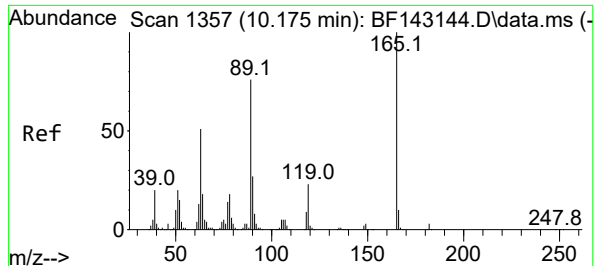
Tgt Ion:168 Resp: 1083678
Ion Ratio Lower Upper
168 100
139 36.9 29.5 44.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 163009
Ion Ratio Lower Upper
139 100
109 68.5 48.5 88.5
65 103.4 83.4 123.4

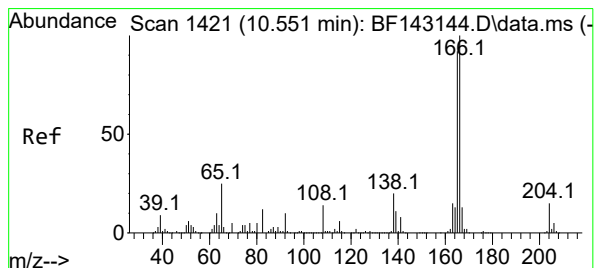
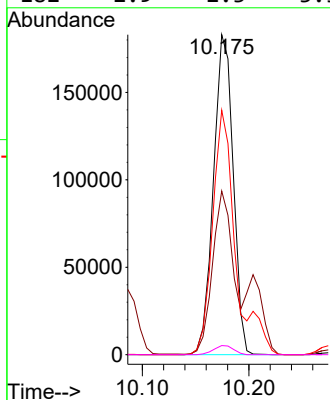
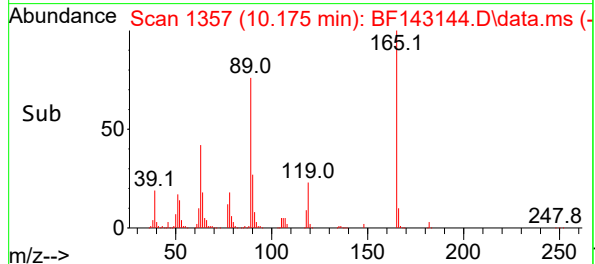
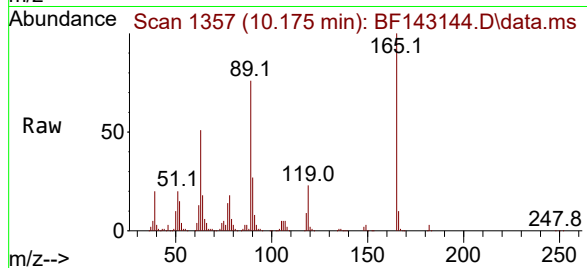




#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

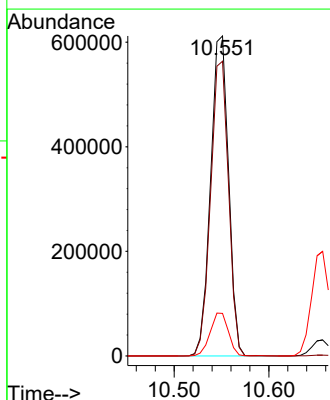
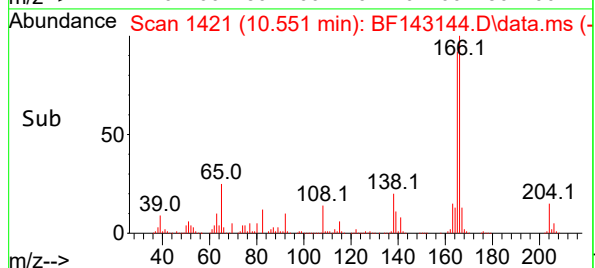
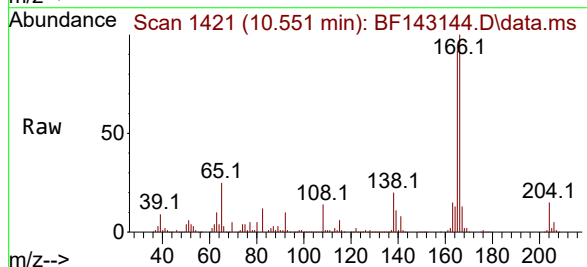
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

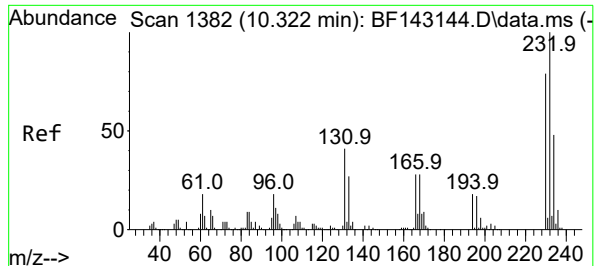
Tgt Ion:165 Resp: 235101
Ion Ratio Lower Upper
165 100
63 51.2 41.0 61.4
89 76.4 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:166 Resp: 804336
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.3 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 40.196 ng

RT: 10.322 min Scan# 1382

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:232 Resp: 220872

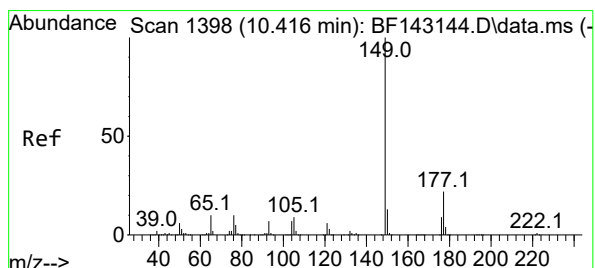
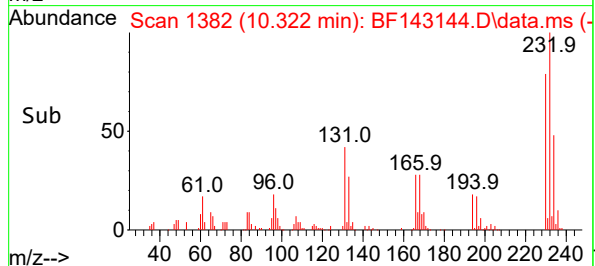
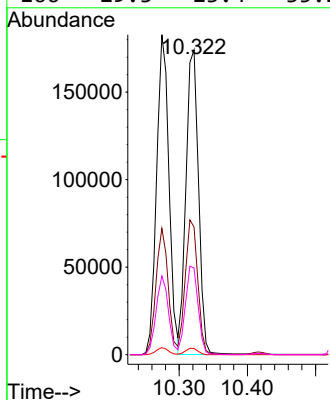
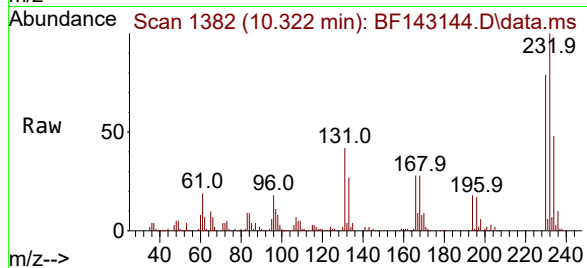
Ion Ratio Lower Upper

232 100

131 44.1 35.3 52.9

130 2.1 1.7 2.5

166 29.3 23.4 35.2



#60

Diethylphthalate

Concen: 39.387 ng

RT: 10.416 min Scan# 1398

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

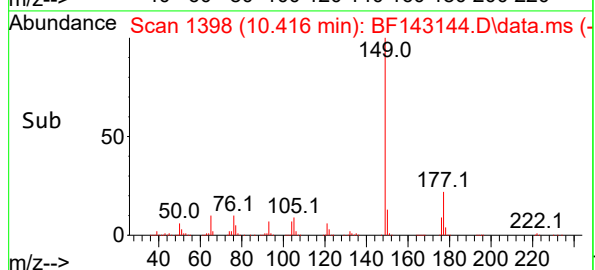
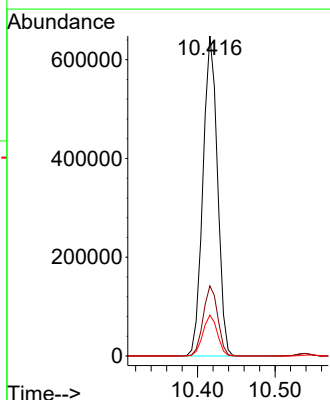
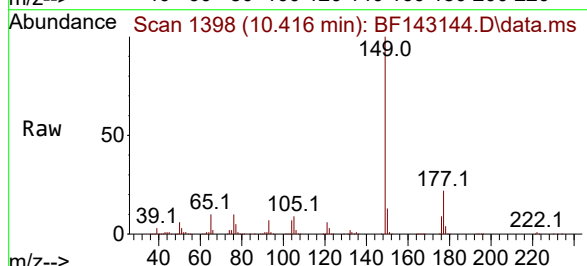
Tgt Ion:149 Resp: 842184

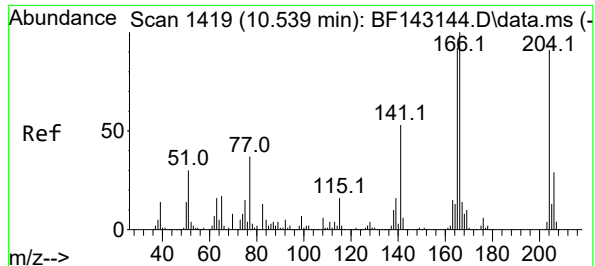
Ion Ratio Lower Upper

149 100

177 21.9 17.5 26.3

150 12.7 10.2 15.2

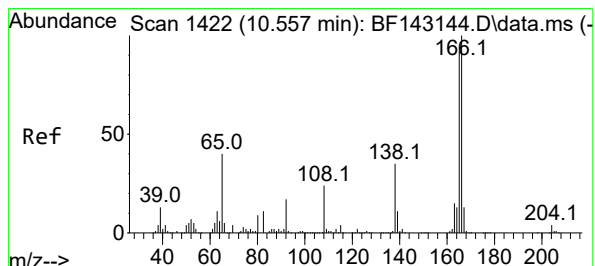
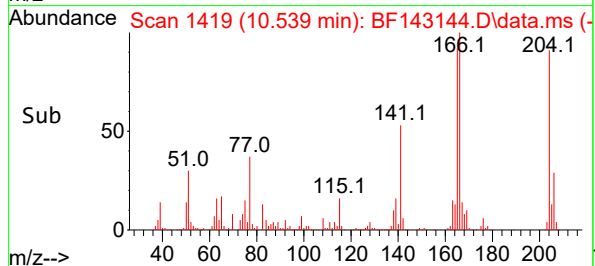
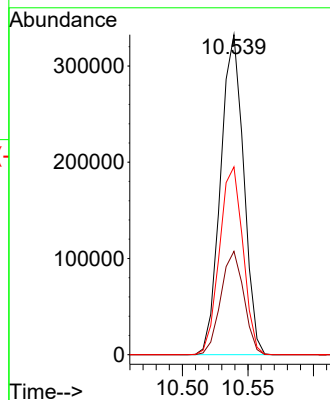
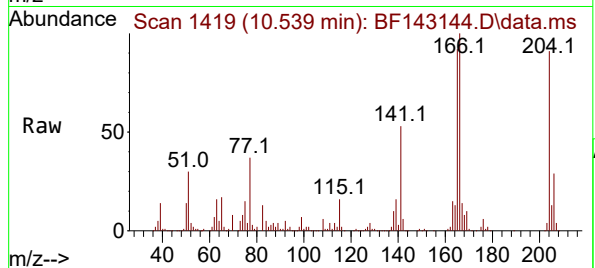




#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

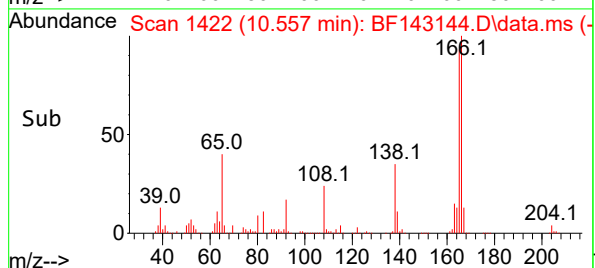
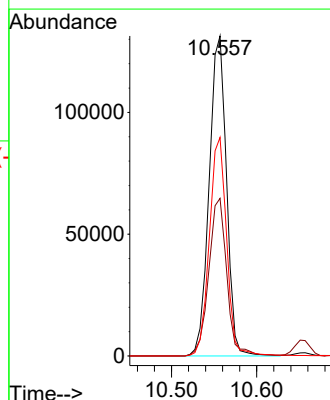
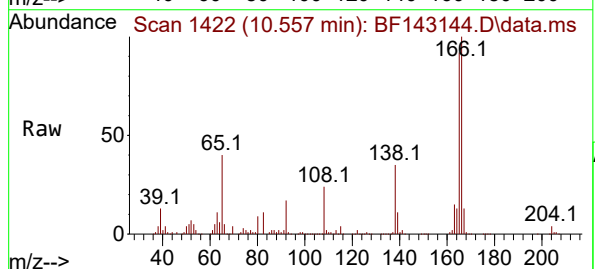
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

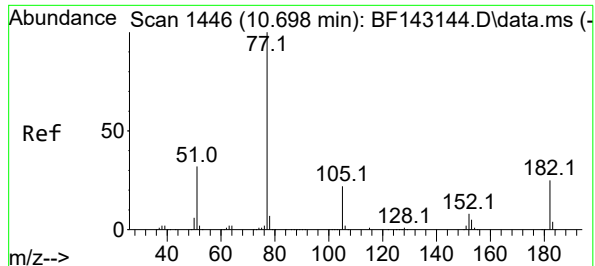
Tgt Ion:204 Resp: 406477
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 58.7 47.0 70.4



#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:138 Resp: 185530
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.3 48.3 88.3

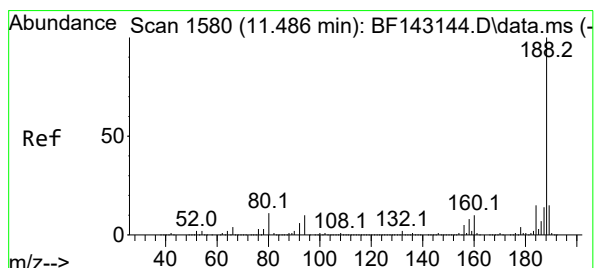
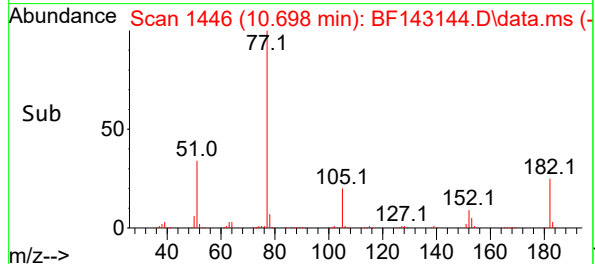
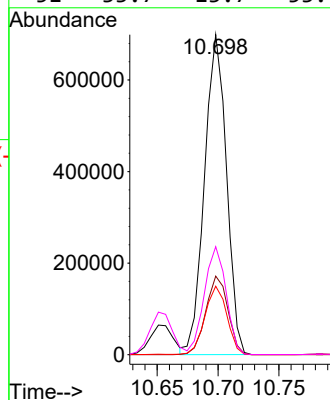
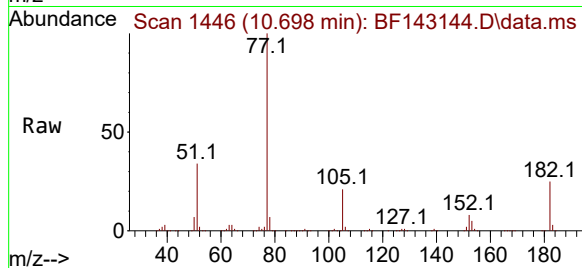




#63
Azobenzene
Concen: 39.326 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

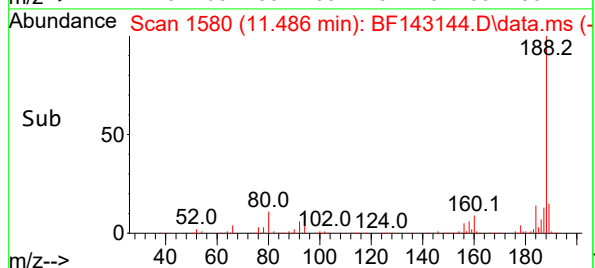
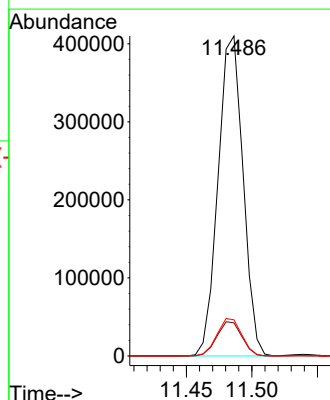
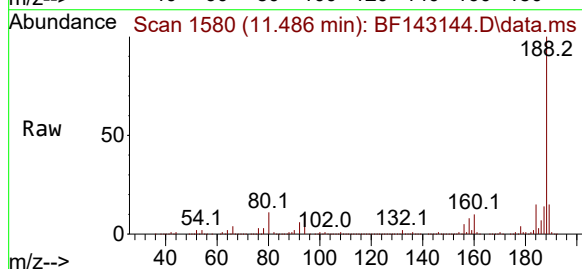
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

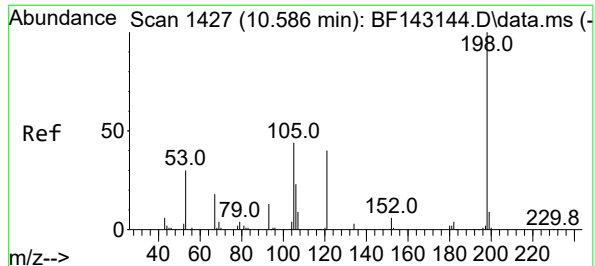
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.4	1.4	41.4
51	33.7	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	11.3	9.0	13.6

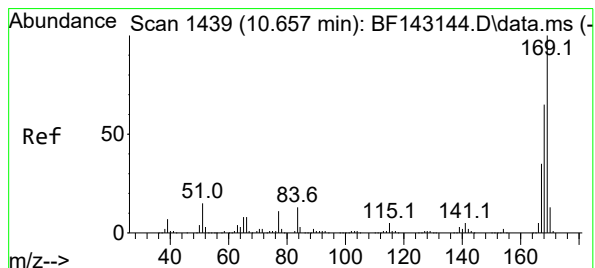
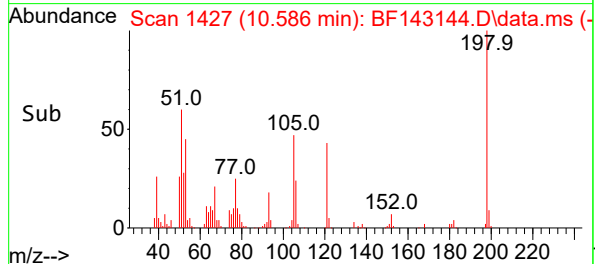
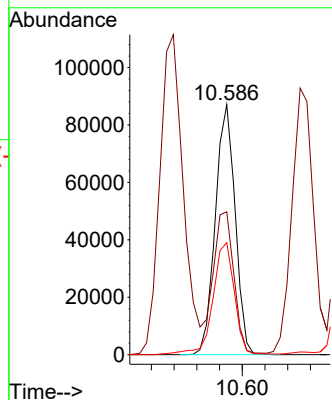
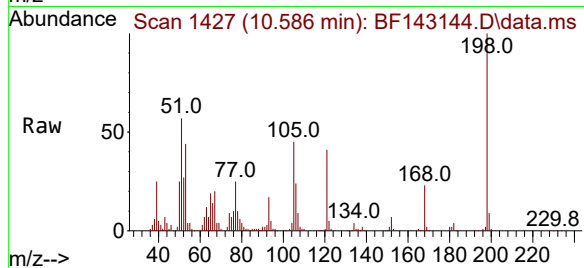




#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

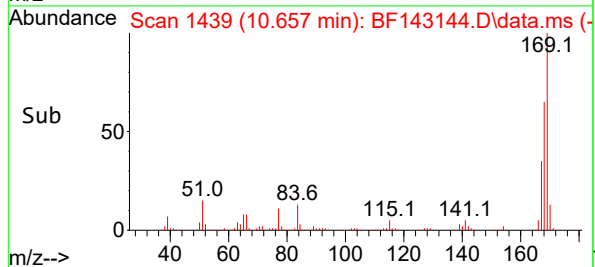
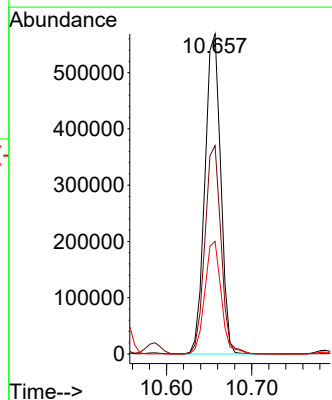
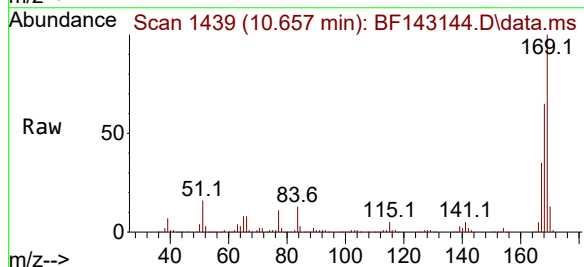
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

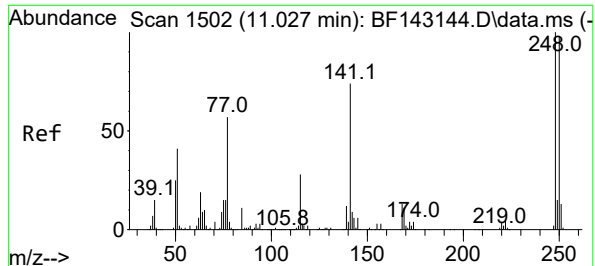
Tgt Ion:198 Resp: 105533
Ion Ratio Lower Upper
198 100
51 57.2 37.2 77.2
105 44.8 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:169 Resp: 731532
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.2 28.2 42.2

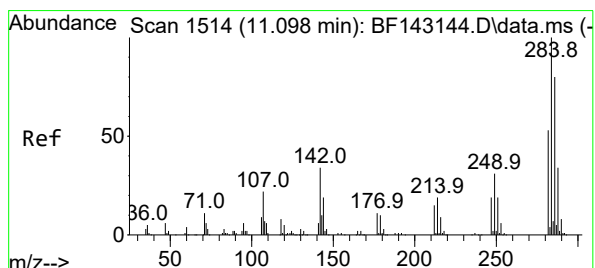
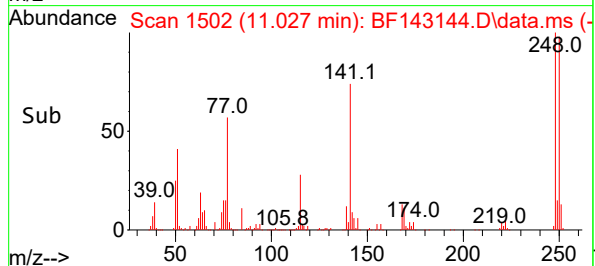
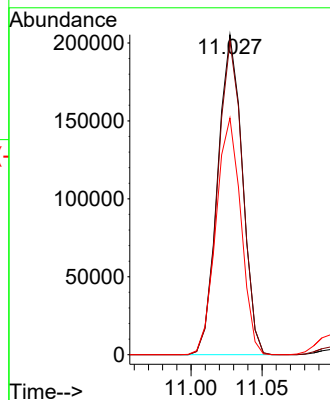
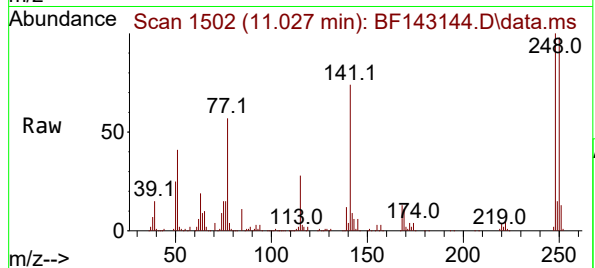




#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

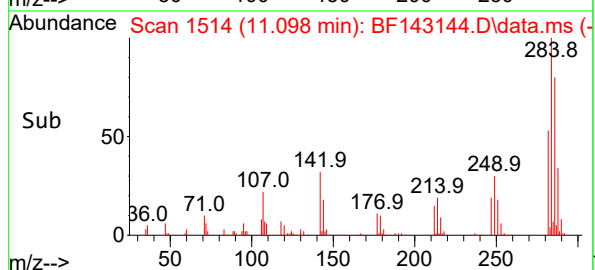
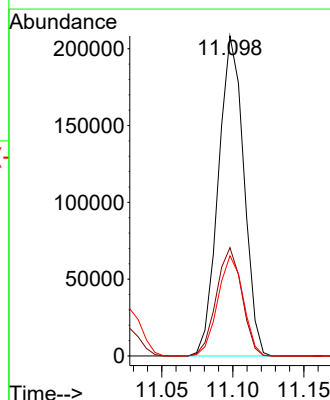
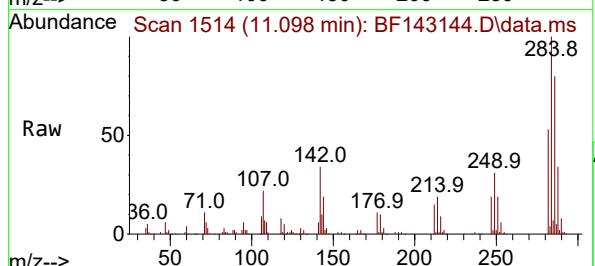
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

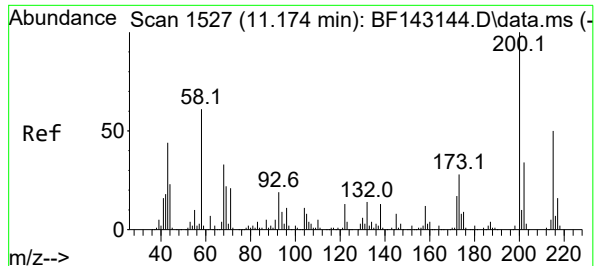
Tgt Ion:248 Resp: 247764
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 74.0 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:284 Resp: 259758
Ion Ratio Lower Upper
284 100
142 33.8 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.421 ng

RT: 11.174 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

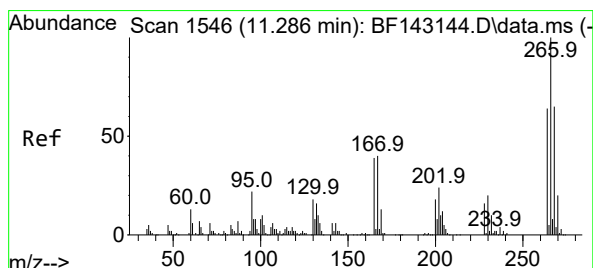
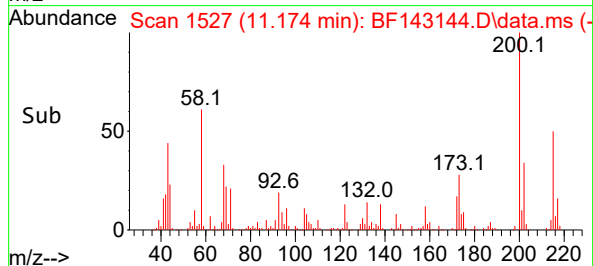
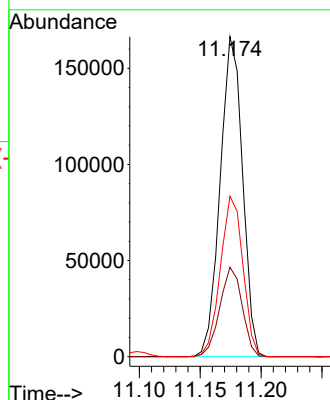
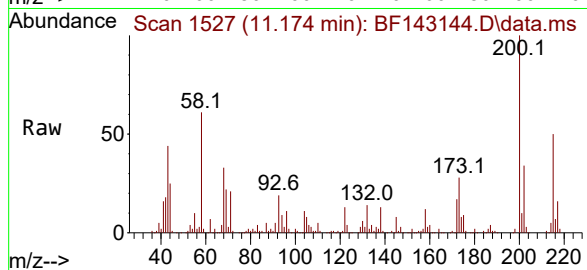
Tgt Ion:200 Resp: 212970

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

215 50.1 30.1 70.1



#70

Pentachlorophenol

Concen: 40.500 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

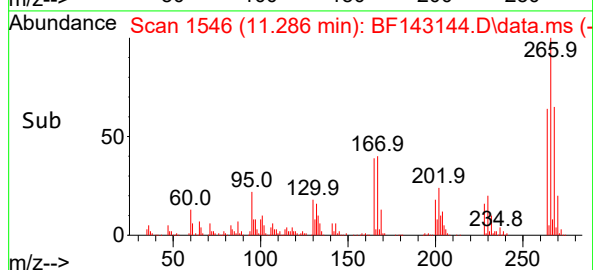
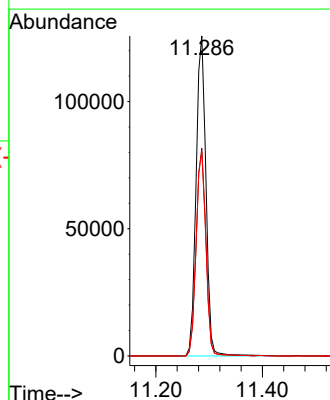
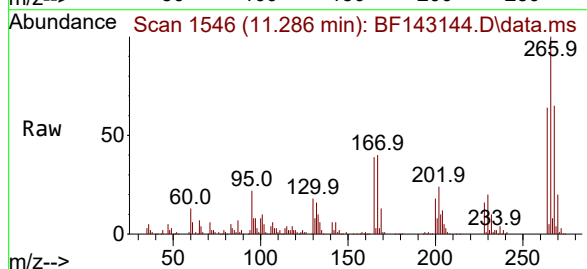
Tgt Ion:266 Resp: 161013

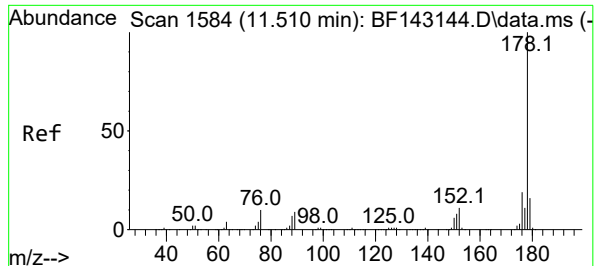
Ion Ratio Lower Upper

266 100

268 64.9 51.9 77.9

264 63.8 51.0 76.6





#71

Phenanthrene

Concen: 38.429 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

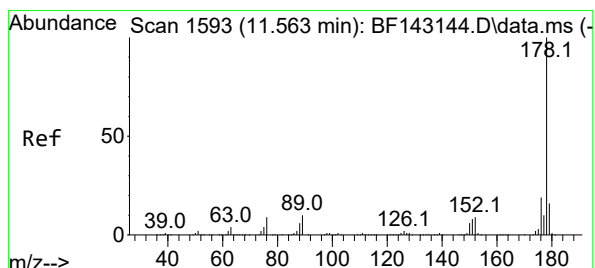
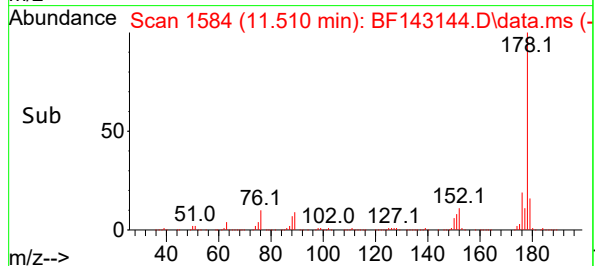
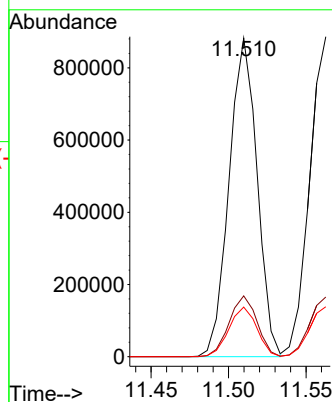
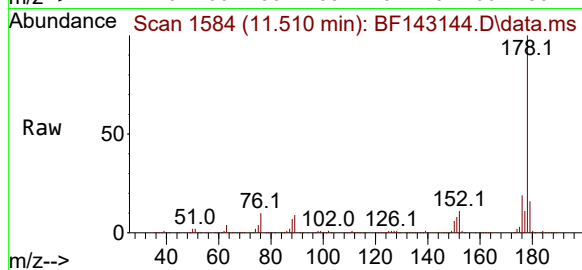
Tgt Ion:178 Resp: 1107412

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 12.5 18.7



#72

Anthracene

Concen: 38.336 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

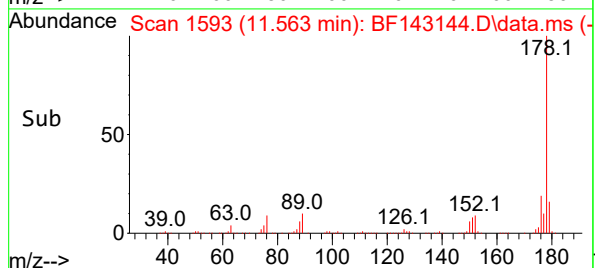
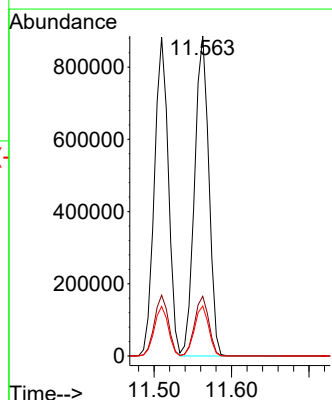
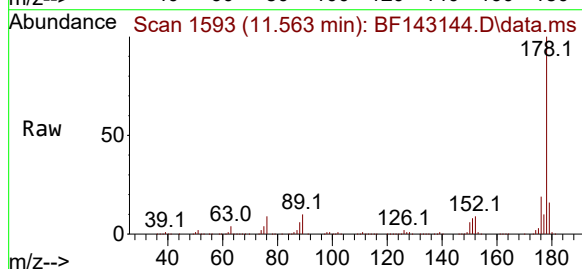
Tgt Ion:178 Resp: 1126710

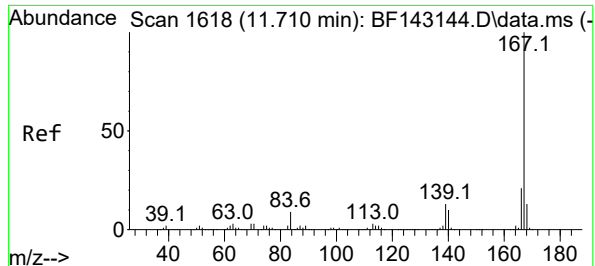
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.6 12.5 18.7

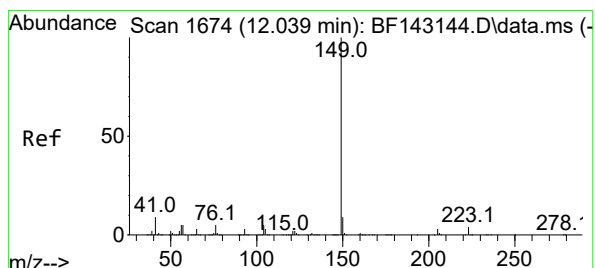
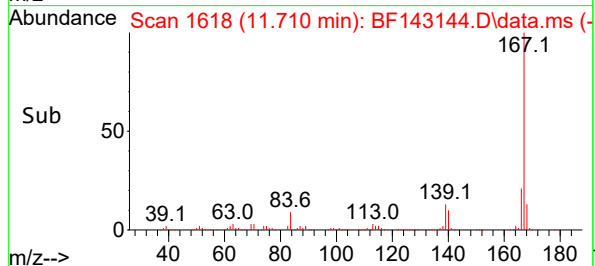
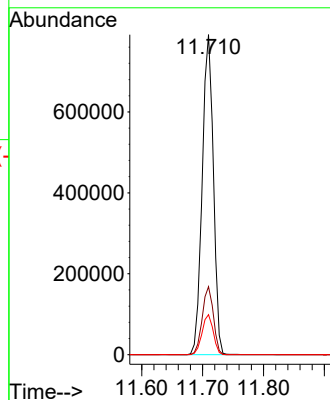
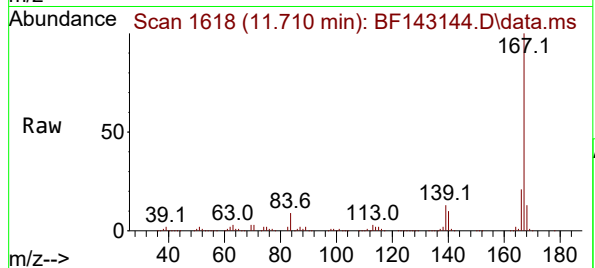




#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

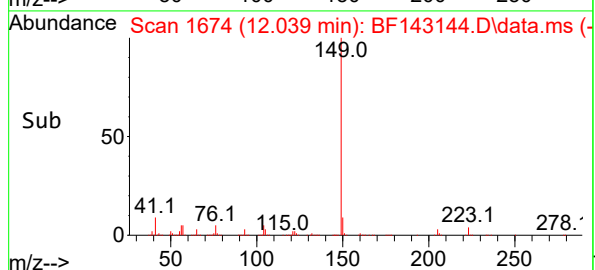
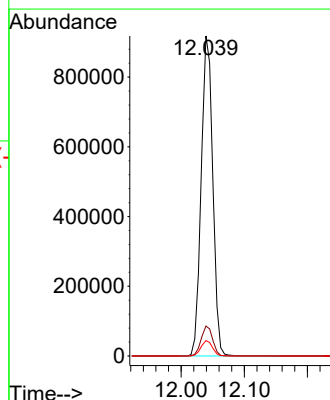
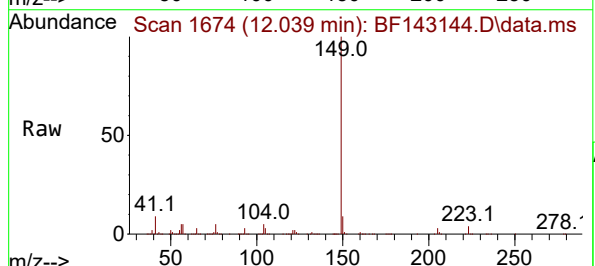
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

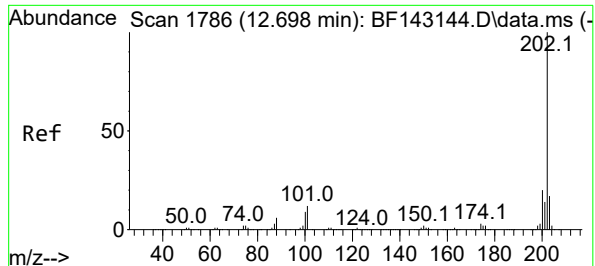
Tgt Ion:167 Resp: 1008669
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.5 10.0 15.0



#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 1165443
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.8 5.8

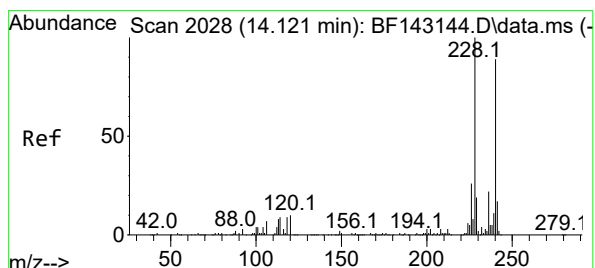
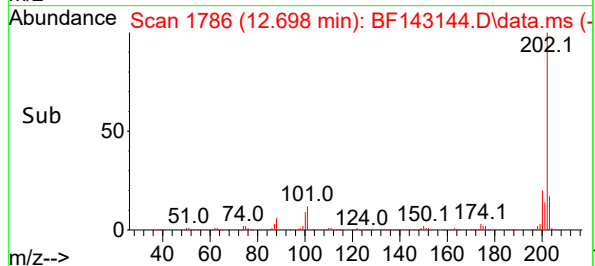
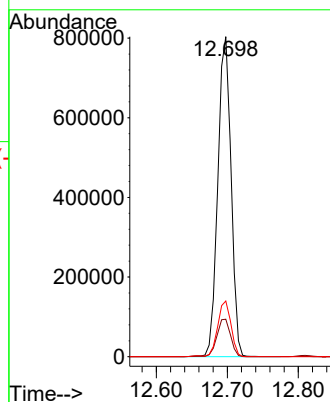
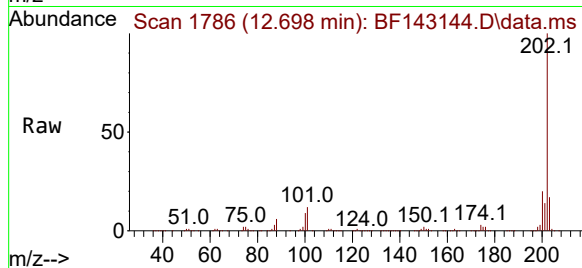




#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

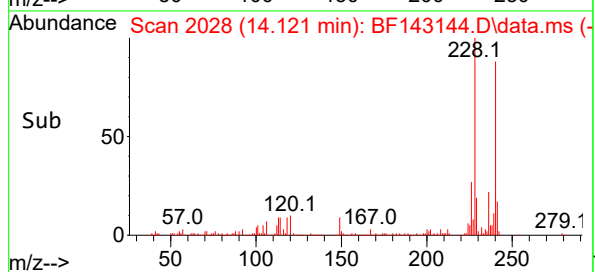
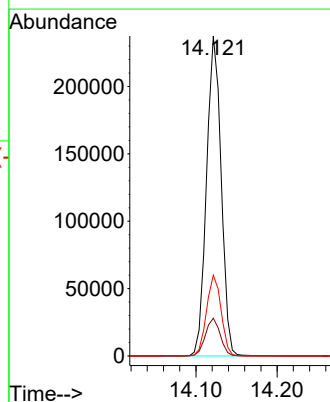
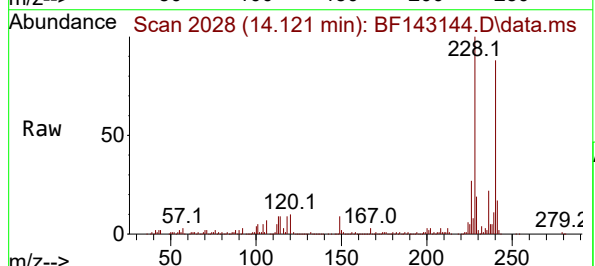
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

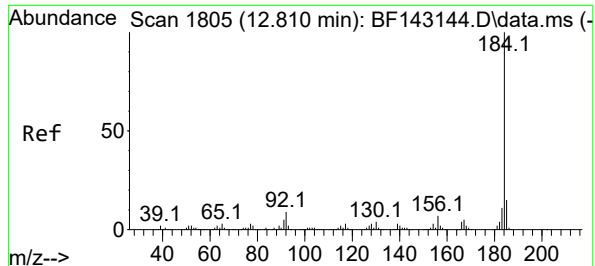
Tgt Ion:202 Resp: 1034509
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:240 Resp: 296414
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.3 20.2 30.4

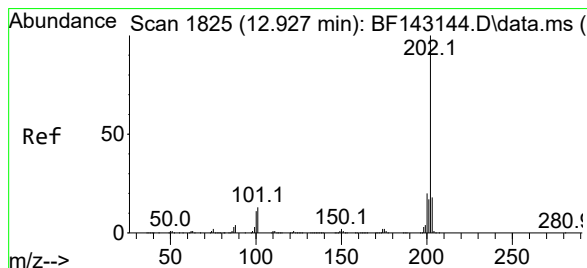
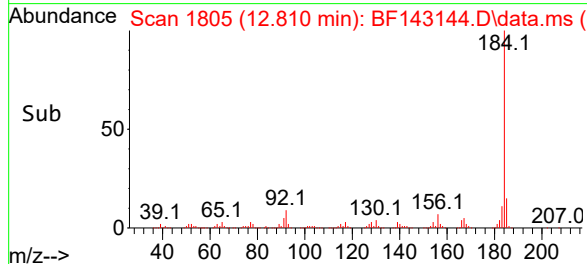
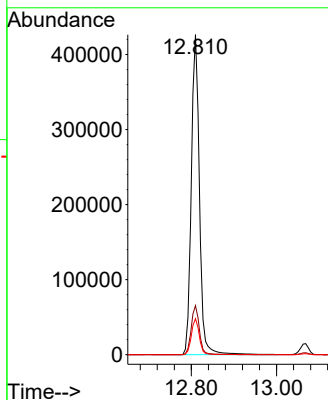
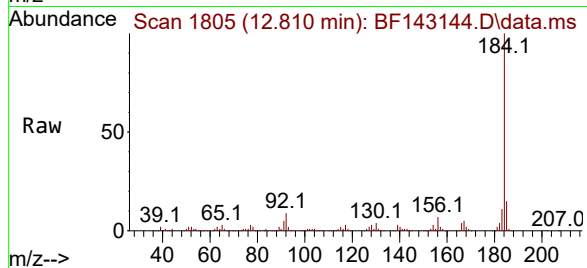




#77
Benzidine
Concen: 49.451 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

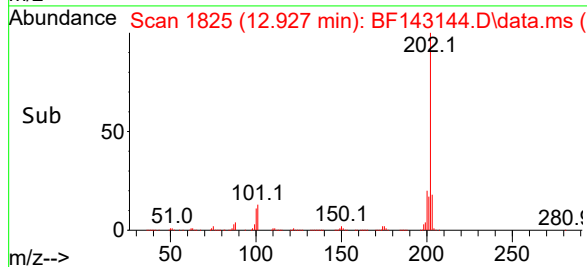
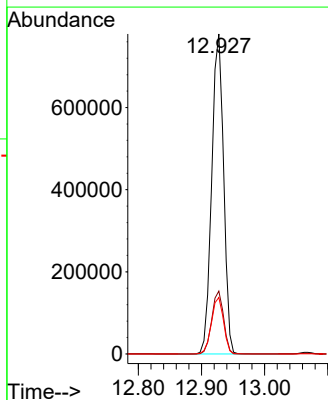
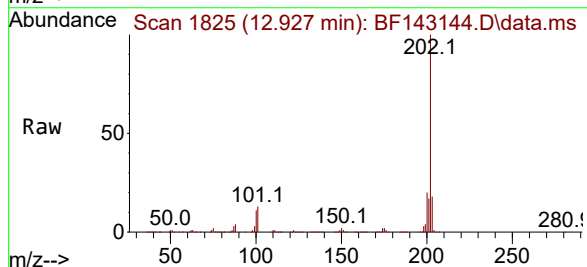
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

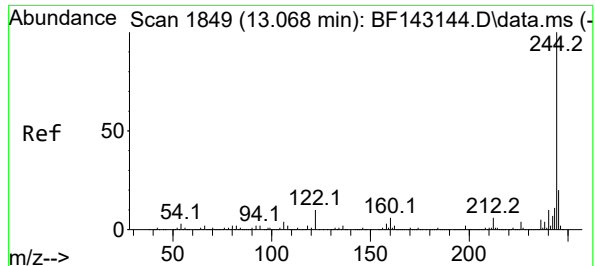
Tgt Ion:184 Resp: 564732
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.4
183 11.2 9.0 13.4



#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:202 Resp: 1016822
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 78.063 ng

RT: 13.068 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

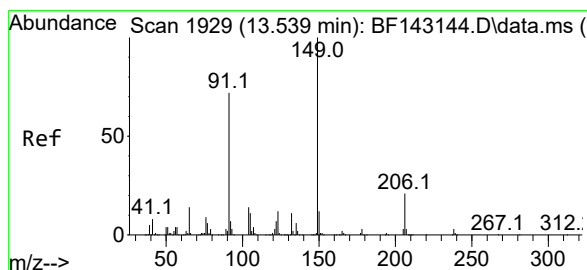
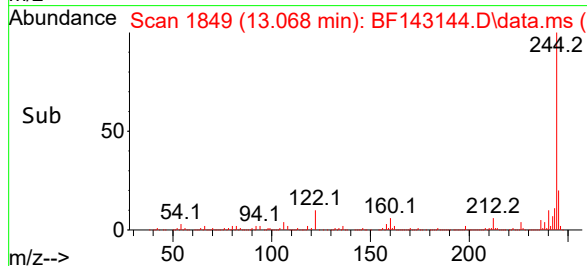
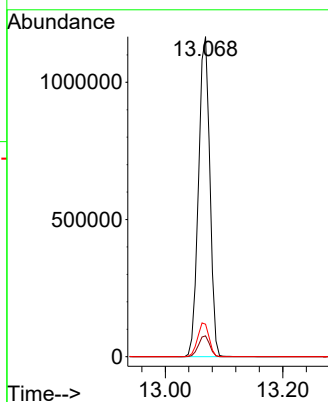
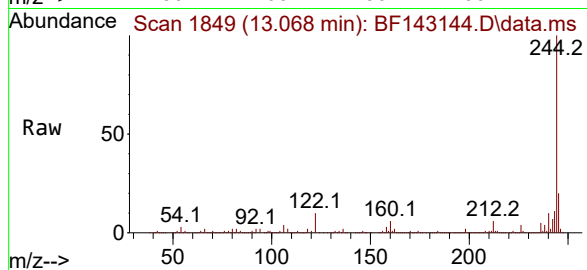
Tgt Ion:244 Resp: 1554923

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 41.603 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

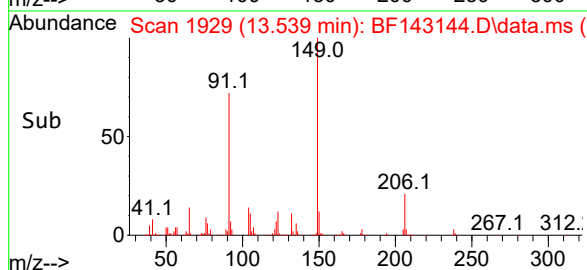
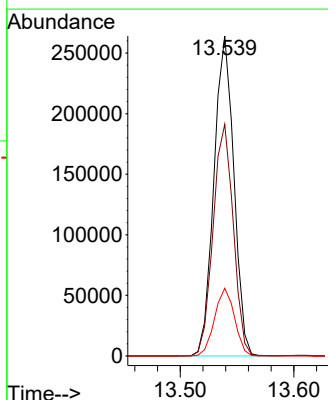
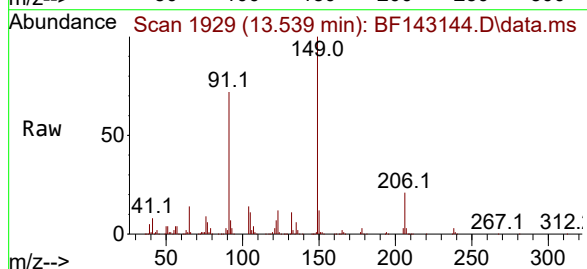
Tgt Ion:149 Resp: 322273

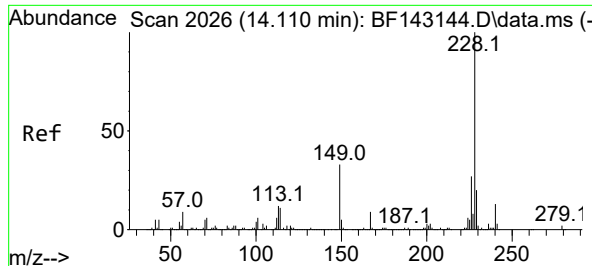
Ion Ratio Lower Upper

149 100

91 72.4 57.9 86.9

206 21.2 17.0 25.4

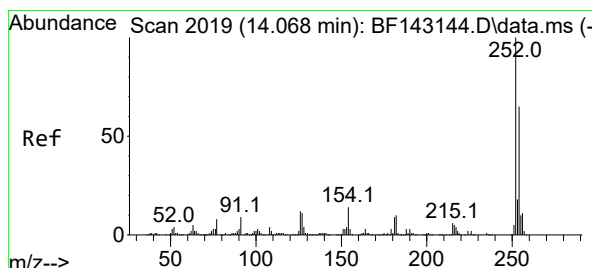
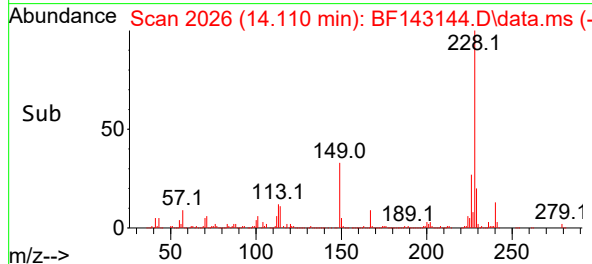
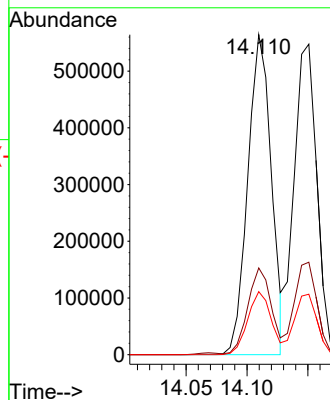
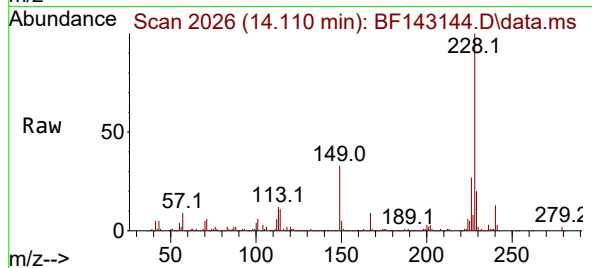




#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

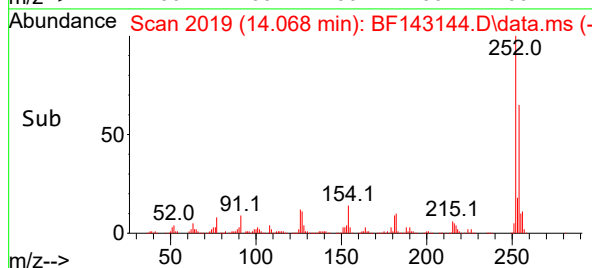
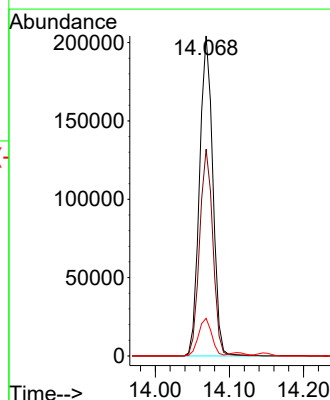
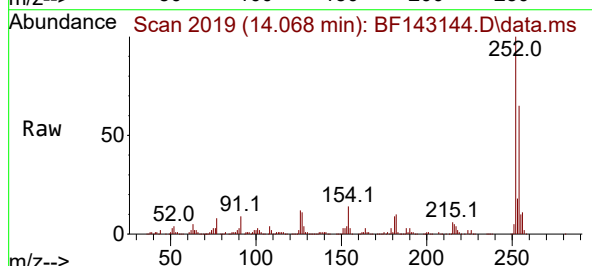
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

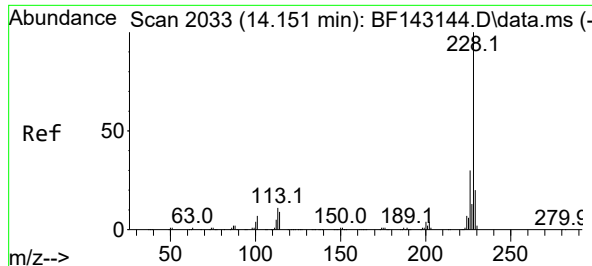
Tgt Ion:228 Resp: 759726
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 254099
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.7 9.4 14.0





#83

Chrysene

Concen: 40.085 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

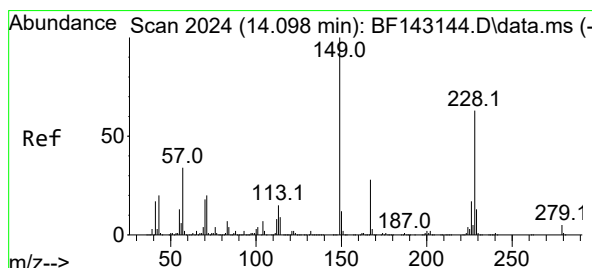
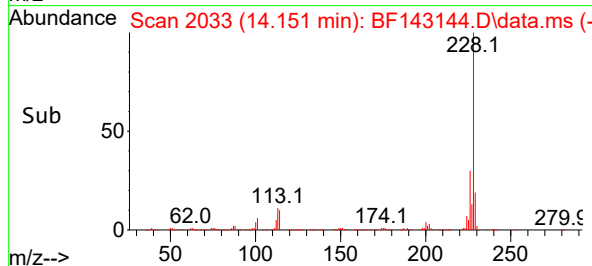
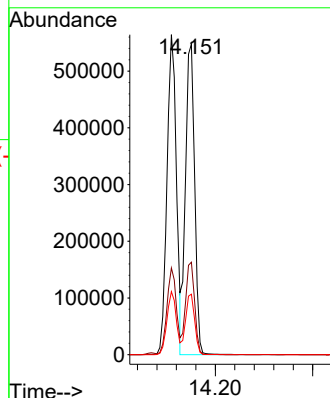
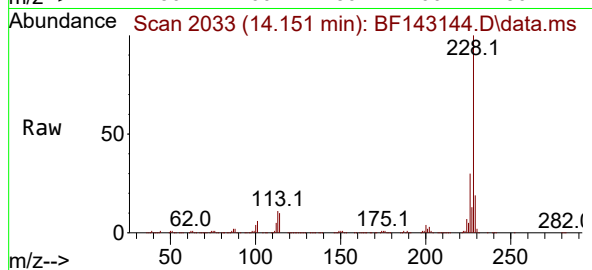
Tgt Ion:228 Resp: 715222

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.906 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

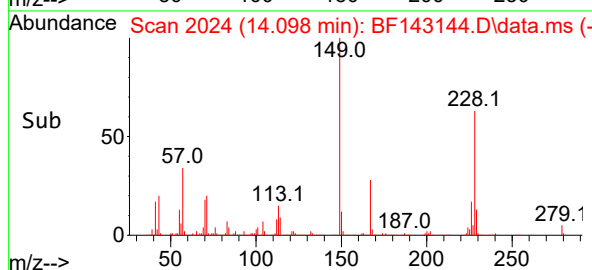
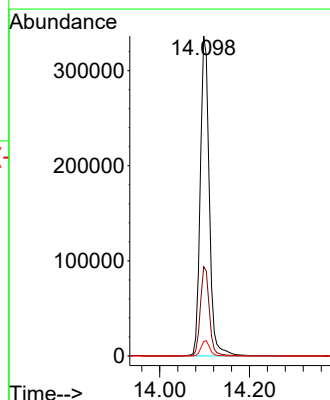
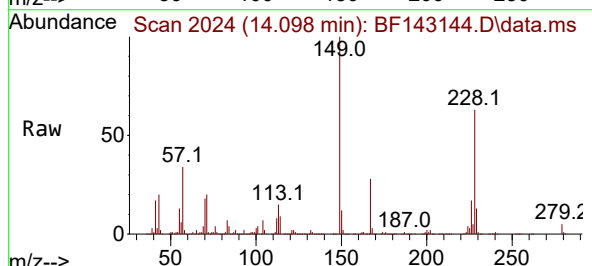
Tgt Ion:149 Resp: 467892

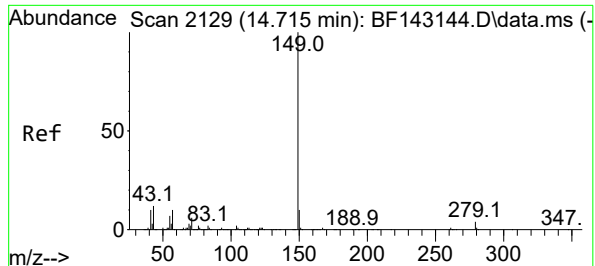
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.5 3.6 5.4

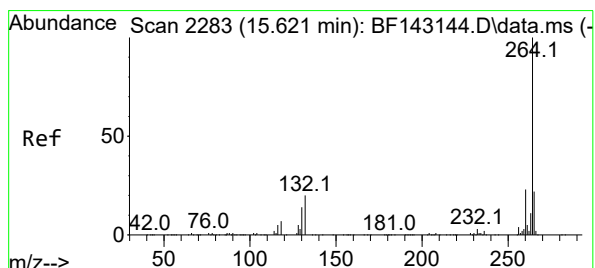
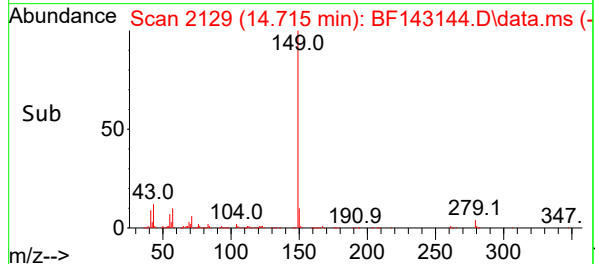
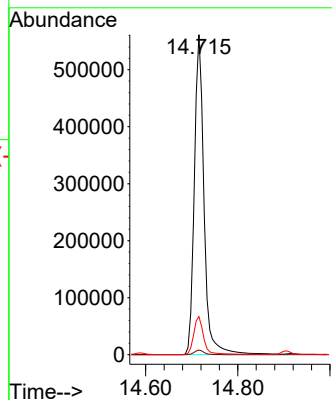
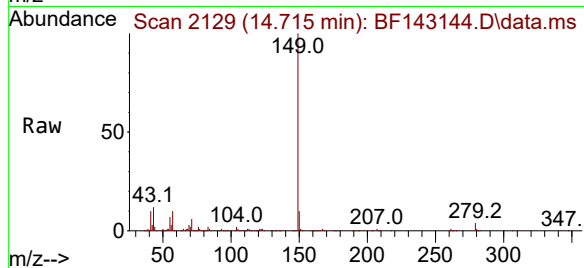




#85
Di-n-octyl phthalate
Concen: 38.595 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

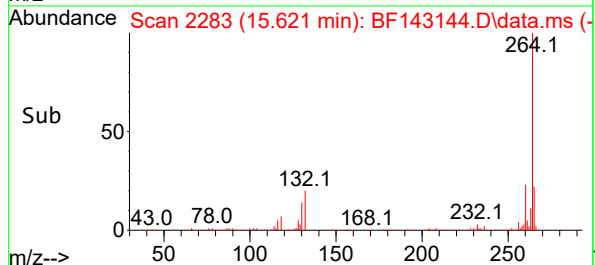
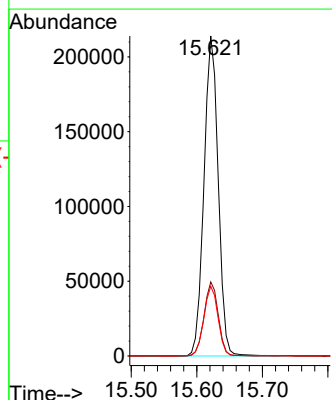
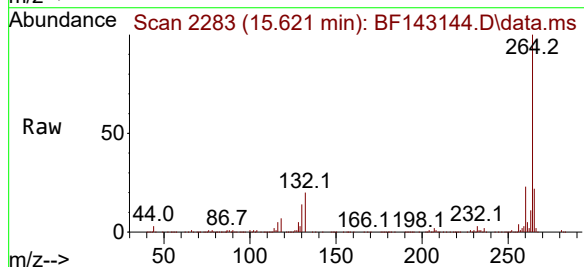
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

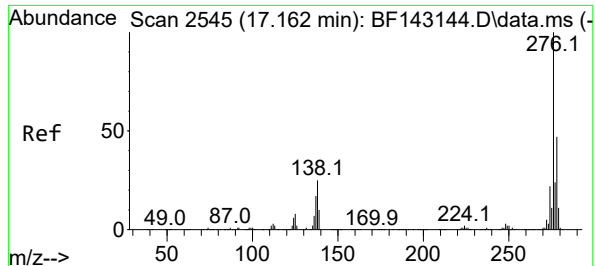
Tgt Ion:149 Resp: 820264
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 12.1 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:264 Resp: 323574
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.086 ng

RT: 17.162 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

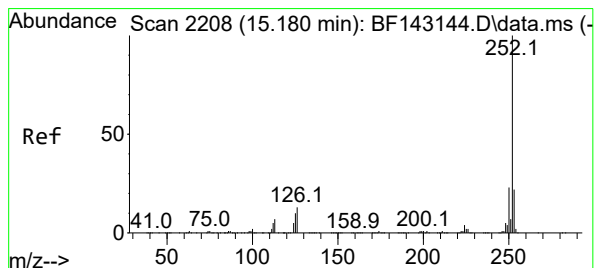
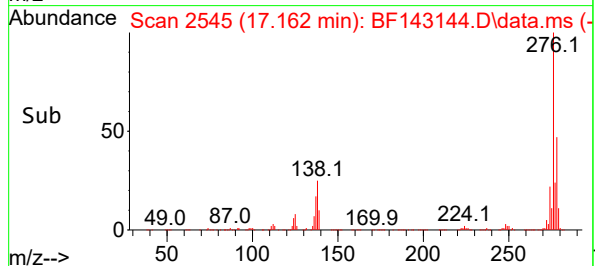
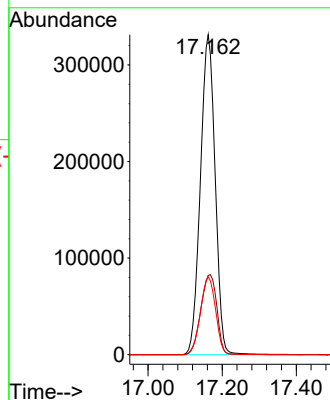
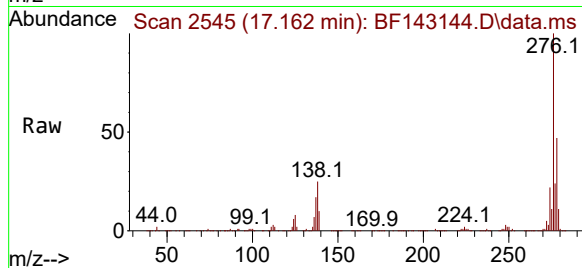
Tgt Ion:276 Resp: 914626

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 37.554 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

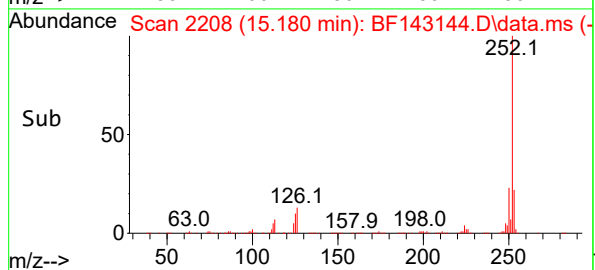
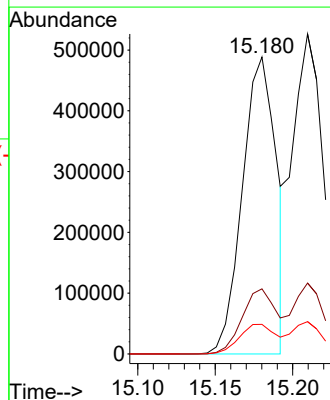
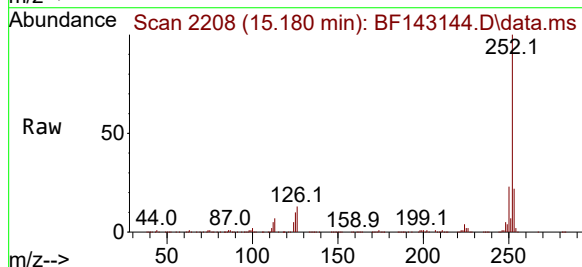
Tgt Ion:252 Resp: 742346

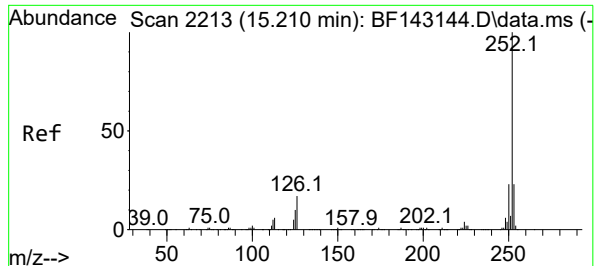
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 41.591 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

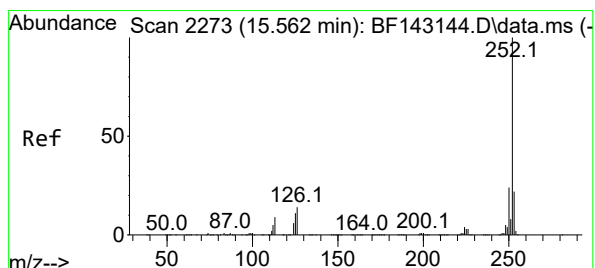
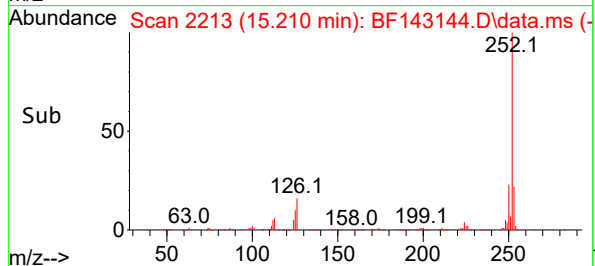
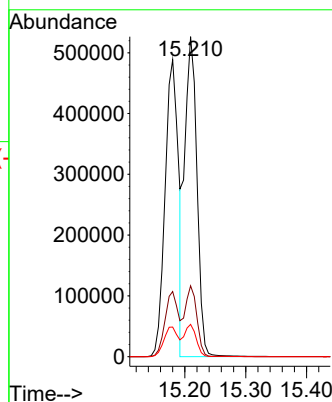
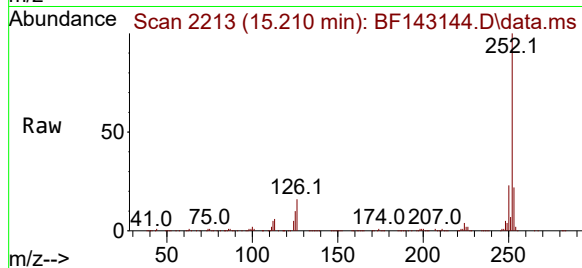
Tgt Ion:252 Resp: 733635

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 10.1 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.826 ng

RT: 15.562 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

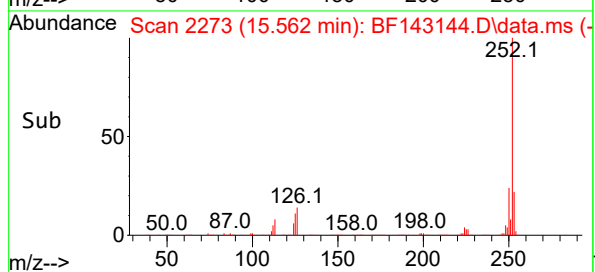
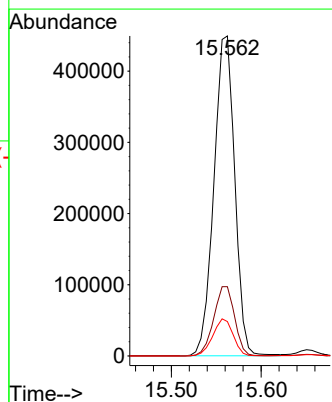
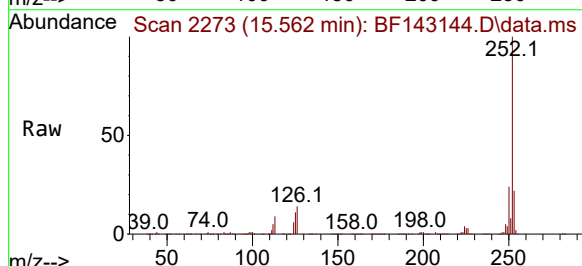
Tgt Ion:252 Resp: 725344

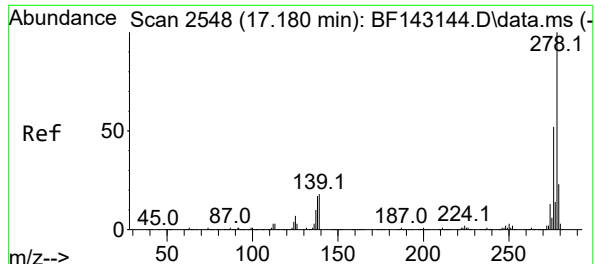
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 10.8 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 39.964 ng

RT: 17.180 min Scan# 2548

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

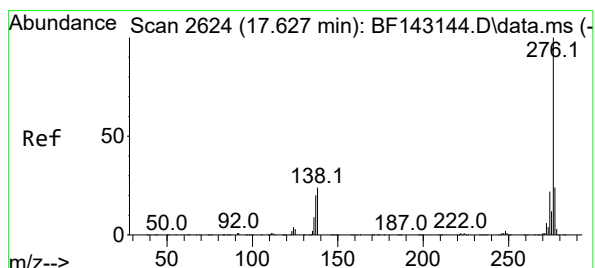
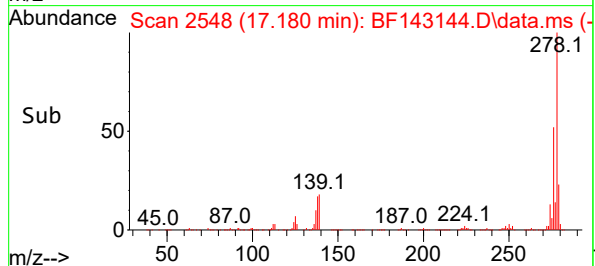
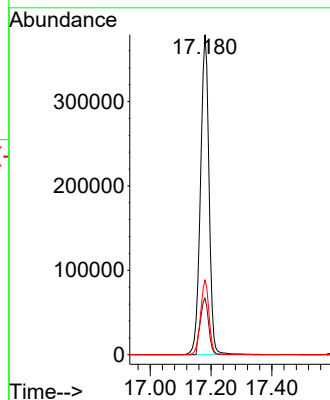
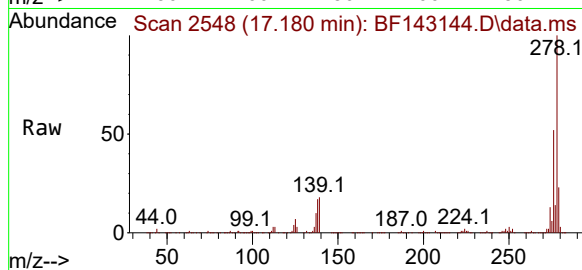
Tgt Ion:278 Resp: 742180

Ion Ratio Lower Upper

278 100

139 17.6 14.1 21.1

279 23.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 39.949 ng

RT: 17.627 min Scan# 2624

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

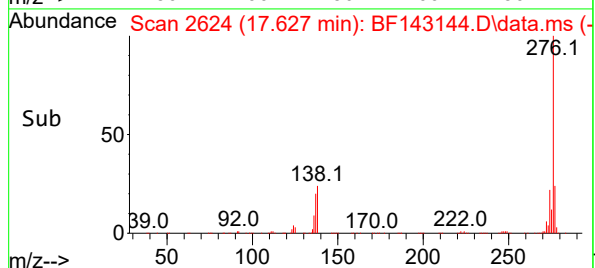
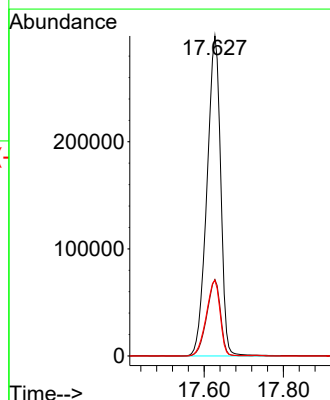
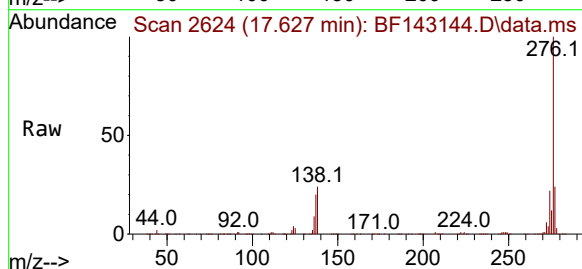
Tgt Ion:276 Resp: 717648

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 23.6 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jul 17 15:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	144385	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	555536	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	283657	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	447089	20.000	ng	0.00
76) Chrysene-d12	14.121	240	247878	20.000	ng	0.00
86) Perylene-d12	15.621	264	282289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	927268	101.629	ng	0.00
7) Phenol-d6	6.587	99	1178468	102.615	ng	0.00
23) Nitrobenzene-d5	7.528	82	1158494	103.949	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	309465	105.607	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2005894	96.712	ng	0.00
79) Terphenyl-d14	13.068	244	1663033	99.838	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.816	88	225749	52.289	ng	100
3) Pyridine	3.587	79	584060	52.122	ng	99
4) n-Nitrosodimethylamine	3.534	42	307202	53.098	ng	100
6) Aniline	6.628	93	827275	51.687	ng	100
8) 2-Chlorophenol	6.751	128	493989	51.652	ng	98
9) Benzaldehyde	6.516	77	509476	59.162	ng	99
10) Phenol	6.598	94	645540m	51.598	ng	
11) bis(2-Chloroethyl)ether	6.698	93	491371	51.295	ng	99
12) 1,3-Dichlorobenzene	6.910	146	529202	50.937	ng	99
13) 1,4-Dichlorobenzene	6.981	146	531696	50.818	ng	99
14) 1,2-Dichlorobenzene	7.134	146	510140	51.264	ng	100
15) Benzyl Alcohol	7.098	79	461379	52.616	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	908530	51.128	ng	99
17) 2-Methylphenol	7.204	107	418793	52.079	ng	100
18) Hexachloroethane	7.481	117	189394	52.289	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	369367	50.131	ng	99
20) 3+4-Methylphenols	7.363	107	506069	51.870	ng	# 89
22) Acetophenone	7.369	105	661017	50.258	ng	98
24) Nitrobenzene	7.545	77	538666	51.843	ng	100
25) Isophorone	7.786	82	1018783	51.783	ng	99
26) 2-Nitrophenol	7.857	139	252169	55.920	ng	98
27) 2,4-Dimethylphenol	7.892	122	469819	51.112	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	597241	50.631	ng	100
29) 2,4-Dichlorophenol	8.098	162	401336	51.773	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	420763	50.242	ng	99
31) Naphthalene	8.269	128	1369627	50.060	ng	100
32) Benzoic acid	7.998	122	273361m	52.352	ng	
33) 4-Chloroaniline	8.310	127	566422	50.703	ng	99
34) Hexachlorobutadiene	8.392	225	260787	50.976	ng	99
35) Caprolactam	8.680	113	126050	53.811	ng	96
36) 4-Chloro-3-methylphenol	8.786	107	431745	51.242	ng	98
37) 2-Methylnaphthalene	8.957	142	837820	50.324	ng	100
38) 1-Methylnaphthalene	9.057	142	862300	50.298	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	412916	50.420	ng	100
41) Hexachlorocyclopentadiene	9.116	237	286805	53.823	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	304466	53.718	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

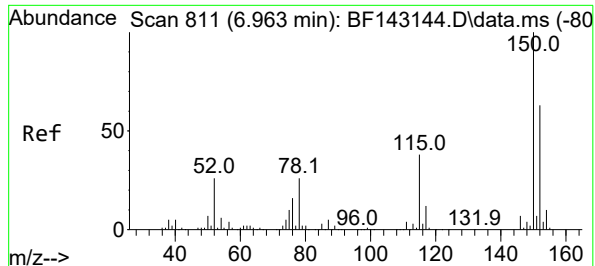
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	291607	51.434	ng	99
46) 1,1'-Biphenyl	9.422	154	1101317	49.764	ng	99
47) 2-Chloronaphthalene	9.445	162	826749	50.488	ng	100
48) 2-Nitroaniline	9.533	65	281082	54.736	ng	99
49) Acenaphthylene	9.863	152	1388721	50.605	ng	100
50) Dimethylphthalate	9.716	163	939863	50.832	ng	100
51) 2,6-Dinitrotoluene	9.775	165	205147	54.541	ng	98
52) Acenaphthene	10.033	154	818783	50.481	ng	100
53) 3-Nitroaniline	9.945	138	236959	53.861	ng	99
54) 2,4-Dinitrophenol	10.045	184	81983	50.750	ng	98
55) Dibenzofuran	10.204	168	1204088	50.001	ng	99
56) 4-Nitrophenol	10.086	139	177408	54.001	ng	98
57) 2,4-Dinitrotoluene	10.180	165	264045	55.954	ng	95
58) Fluorene	10.551	166	891646	49.335	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	248745	52.965	ng	100
60) Diethylphthalate	10.416	149	942625	51.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	449168	49.911	ng	99
62) 4-Nitroaniline	10.557	138	205210	54.424	ng	99
63) Azobenzene	10.698	77	966931	50.766	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	122876	51.927	ng	100
66) n-Nitrosodiphenylamine	10.657	169	811422	51.540	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	275679	51.741	ng	98
68) Hexachlorobenzene	11.098	284	288405	51.788	ng	100
69) Atrazine	11.180	200	232907	53.662	ng	99
70) Pentachlorophenol	11.286	266	178753	54.581	ng	99
71) Phenanthrene	11.510	178	1194582	50.321	ng	100
72) Anthracene	11.563	178	1223920	50.552	ng	100
73) Carbazole	11.710	167	1076803	50.934	ng	100
74) Di-n-butylphthalate	12.045	149	1250841	52.290	ng	100
75) Fluoranthene	12.698	202	1093890	50.203	ng	100
77) Benzidine	12.810	184	431944	45.229	ng	100
78) Pyrene	12.927	202	1078520	50.982	ng	100
80) Butylbenzylphthalate	13.539	149	360698	55.681	ng	98
81) Benzo(a)anthracene	14.110	228	880975	53.085	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	294836	53.305	ng	99
83) Chrysene	14.151	228	754953	50.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	534128	54.475	ng	100
85) Di-n-octyl phthalate	14.715	149	960309	54.032	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	1061877	53.347	ng	99
88) Benzo(b)fluoranthene	15.180	252	953990	55.319	ng	100
89) Benzo(k)fluoranthene	15.209	252	754417	49.024	ng	99
90) Benzo(a)pyrene	15.562	252	840968	52.928	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	861467	53.172	ng	99
92) Benzo(g,h,i)perylene	17.633	276	843865	53.845	ng	100

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

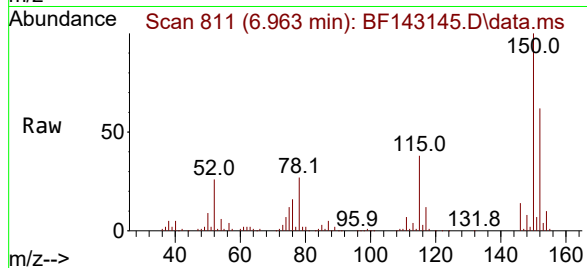
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BNA_F
ClientSampleId :
SSTDICC050

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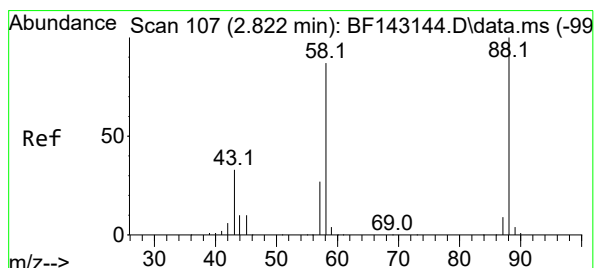
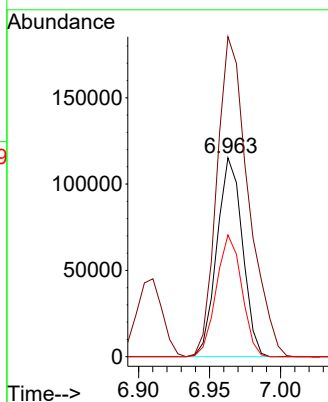
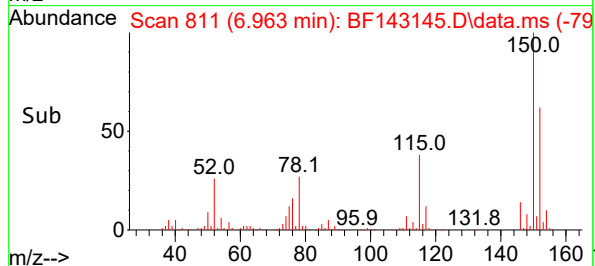


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

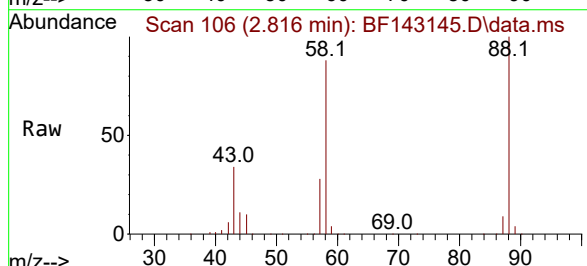
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



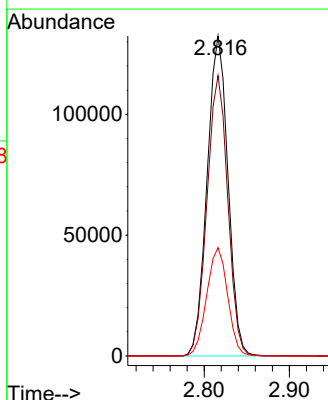
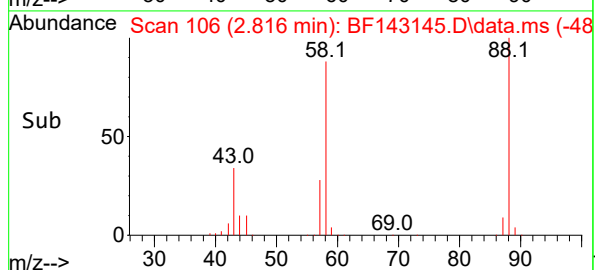
Tgt Ion:152 Resp: 144385
Ion Ratio Lower Upper
152 100
150 160.9 128.2 192.4
115 61.2 47.9 71.9

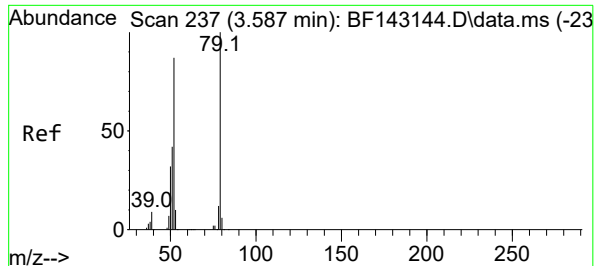


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



Tgt Ion: 88 Resp: 225749
Ion Ratio Lower Upper
88 100
58 87.3 70.2 105.2
43 34.0 27.1 40.7

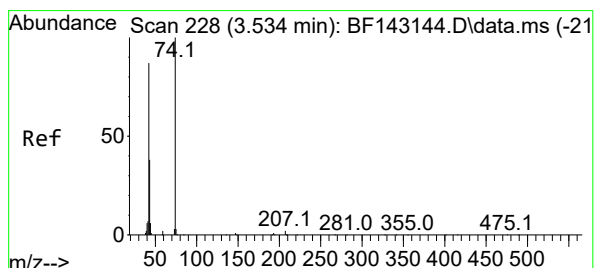
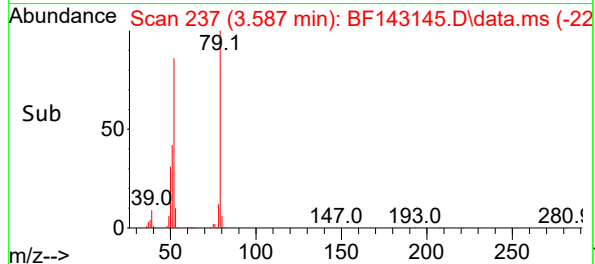
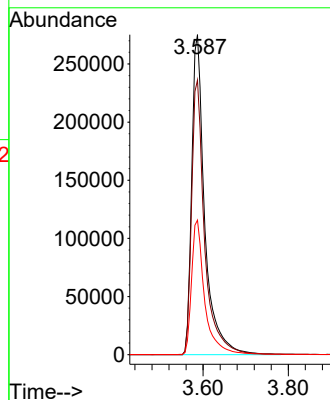
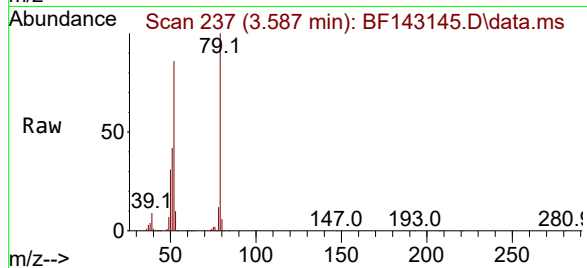




#3
Pyridine
Concen: 52.122 ng
RT: 3.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

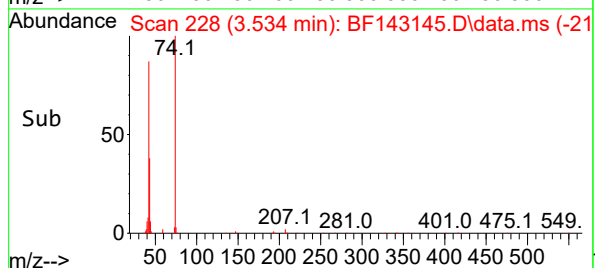
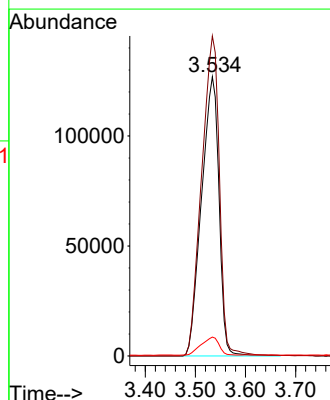
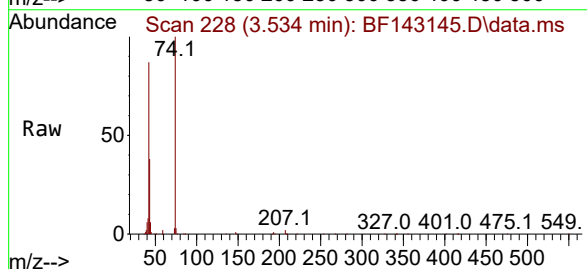
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

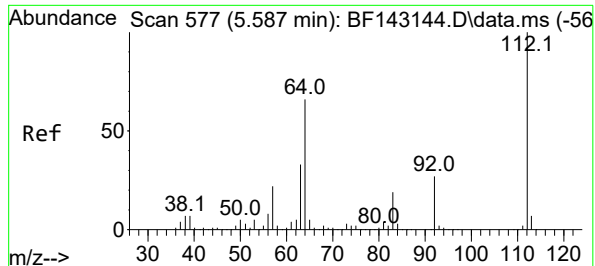
Tgt Ion: 79 Resp: 584060
Ion Ratio Lower Upper
79 100
52 85.8 69.4 104.2
51 42.0 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 53.098 ng
RT: 3.534 min Scan# 228
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 42 Resp: 307202
Ion Ratio Lower Upper
42 100
74 114.6 91.7 137.5
44 6.8 5.6 8.4





#5

2-Fluorophenol

Concen: 101.629 ng

RT: 5.587 min Scan# 51

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

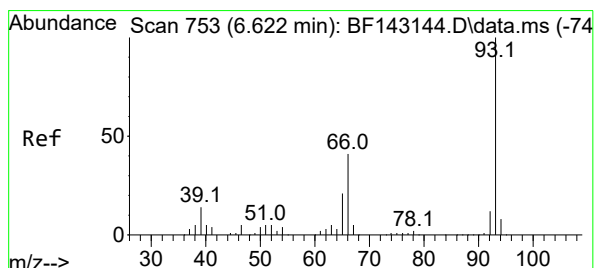
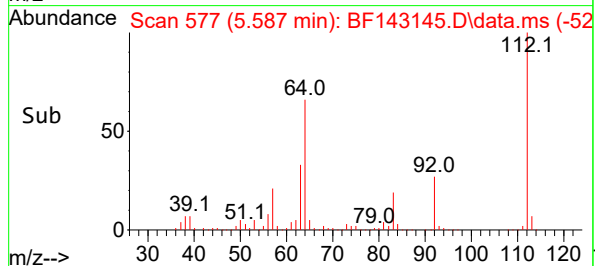
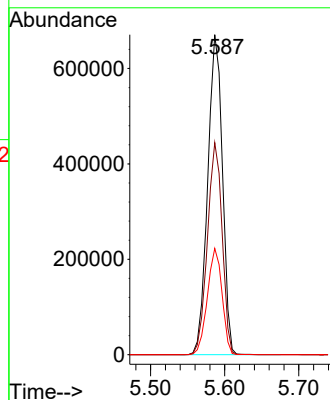
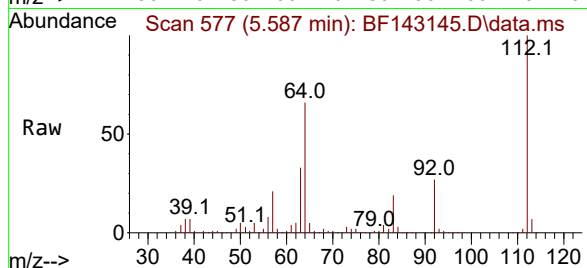
Tgt Ion:112 Resp: 927268

Ion Ratio Lower Upper

112 100

64 66.3 53.1 79.7

63 33.2 26.6 40.0



#6

Aniline

Concen: 51.687 ng

RT: 6.628 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

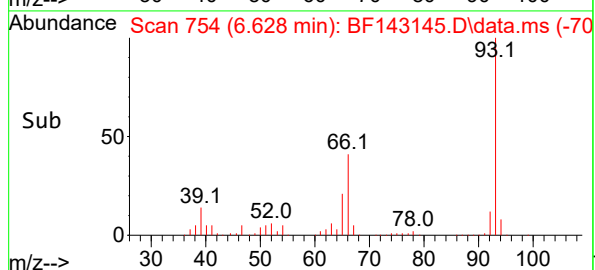
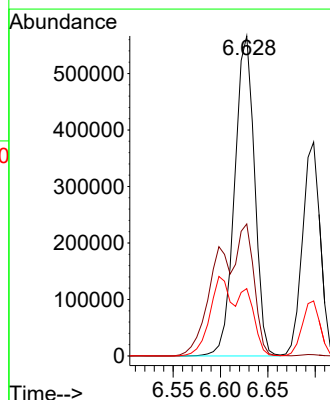
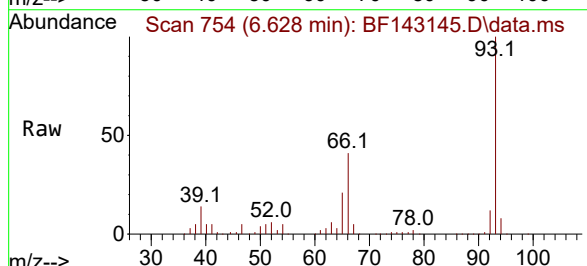
Tgt Ion: 93 Resp: 827275

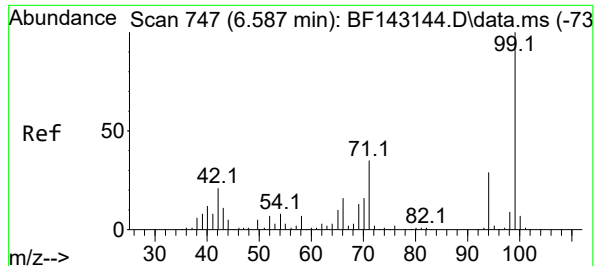
Ion Ratio Lower Upper

93 100

66 41.2 33.2 49.8

65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 102.615 ng

RT: 6.587 min Scan# 747

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

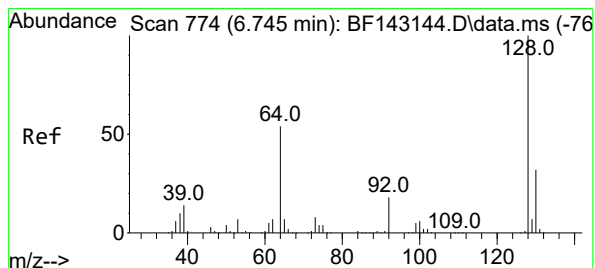
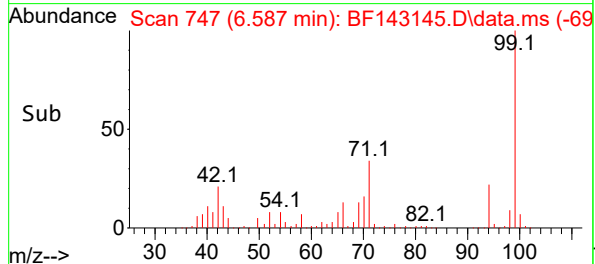
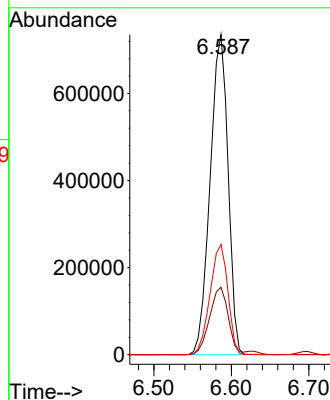
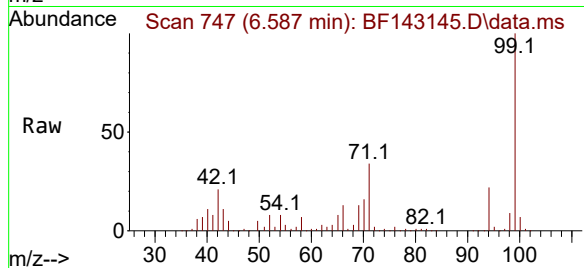
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 1178468

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.4	27.7	41.5



#8

2-Chlorophenol

Concen: 51.652 ng

RT: 6.751 min Scan# 775

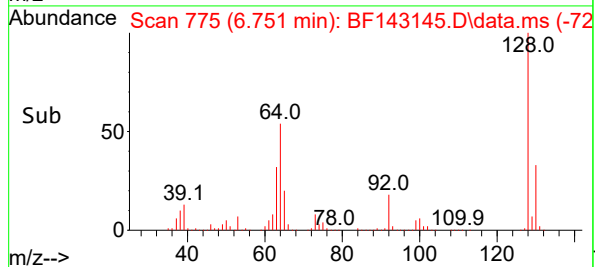
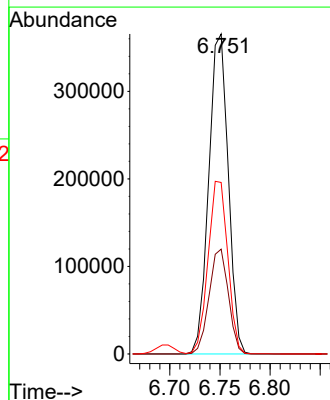
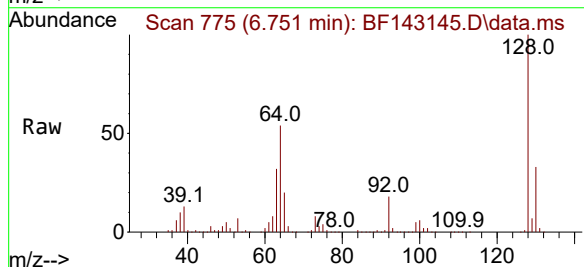
Delta R.T. 0.006 min

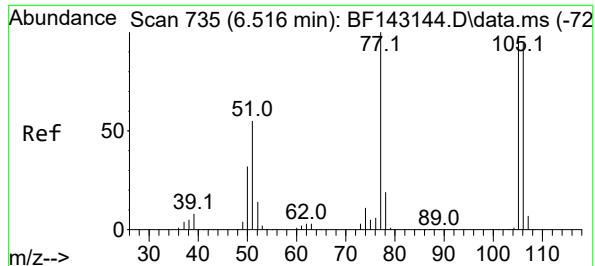
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:128 Resp: 493989

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	53.6	35.9	75.9





#9

Benzaldehyde

Concen: 59.162 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

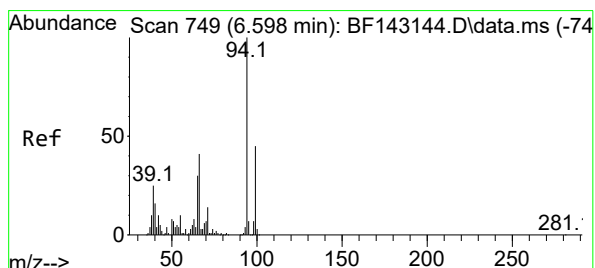
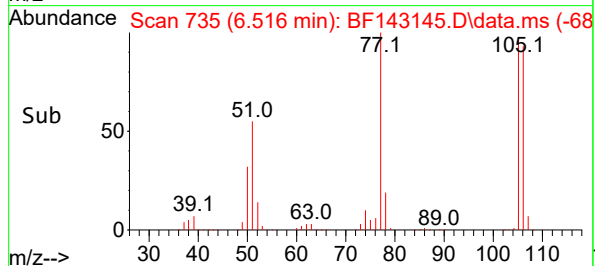
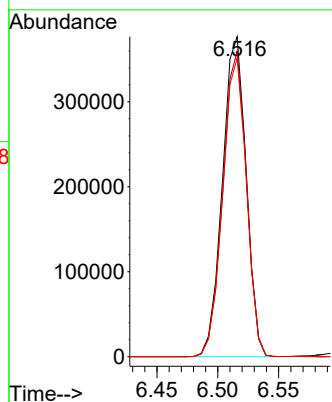
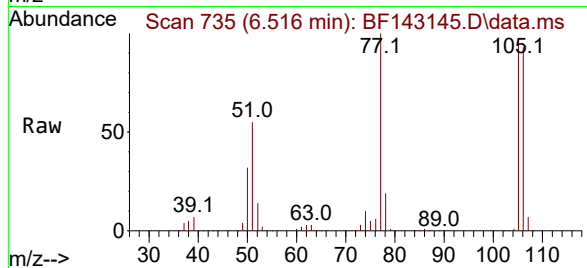
Tgt Ion: 77 Resp: 509476

Ion Ratio Lower Upper

77 100

105 95.5 76.8 116.8

106 93.3 74.4 114.4



#10

Phenol

Concen: 51.598 ng m

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

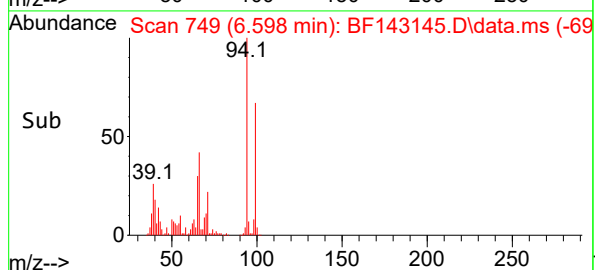
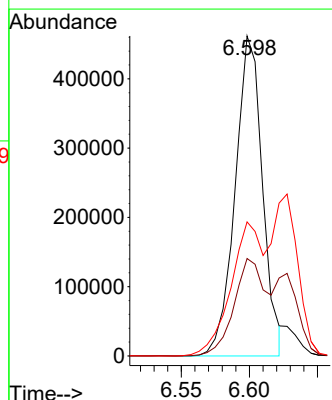
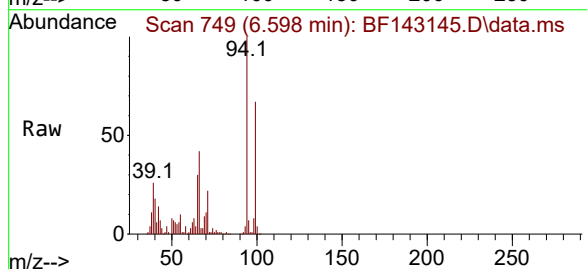
Tgt Ion: 94 Resp: 645540

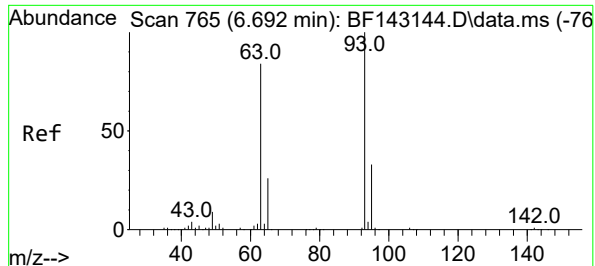
Ion Ratio Lower Upper

94 100

65 30.5 10.0 50.0

66 41.9 20.8 60.8

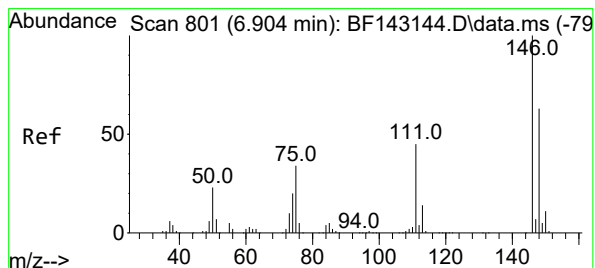
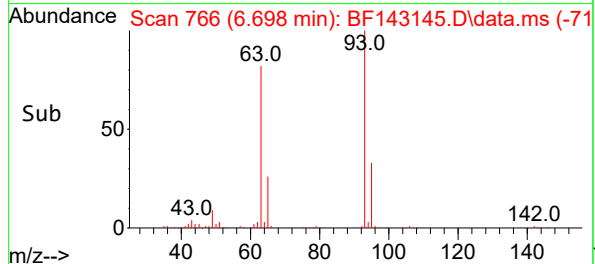
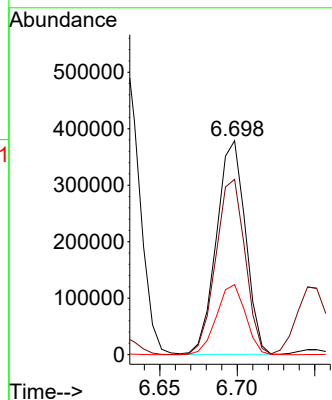
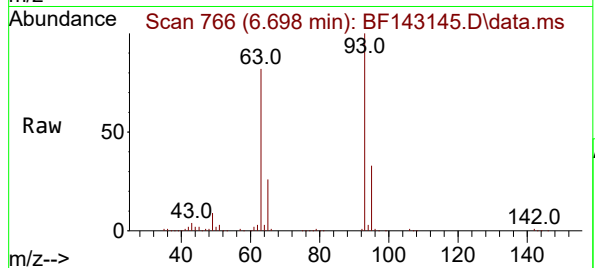




#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

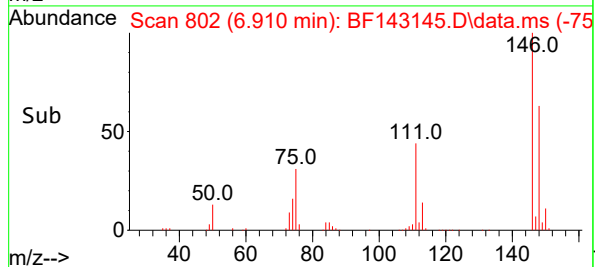
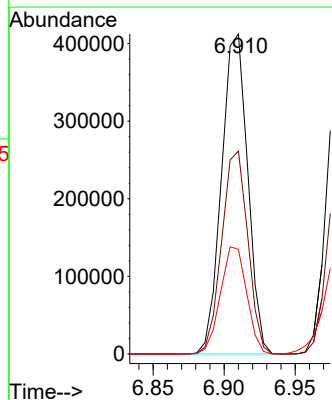
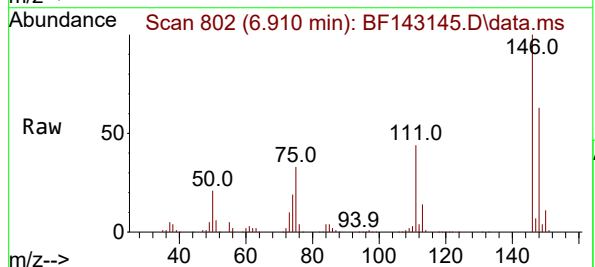
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

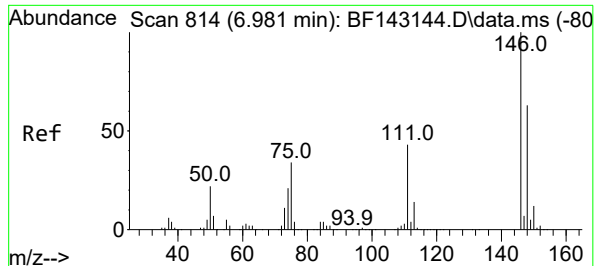
Tgt Ion: 93 Resp: 491371
Ion Ratio Lower Upper
93 100
63 82.0 63.4 103.4
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 146 Resp: 529202
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 32.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 50.818 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

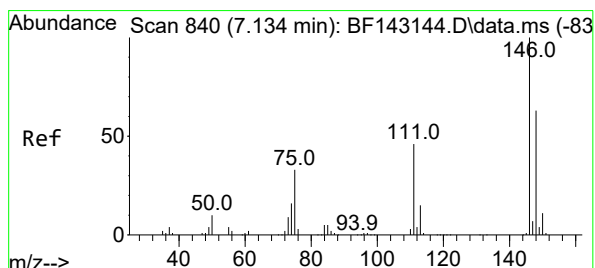
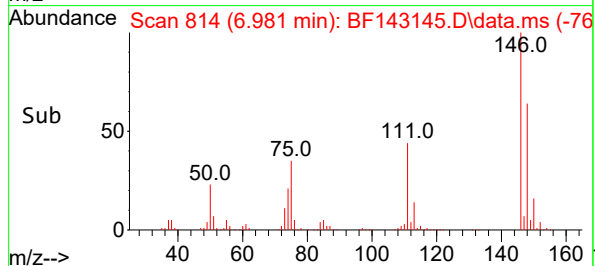
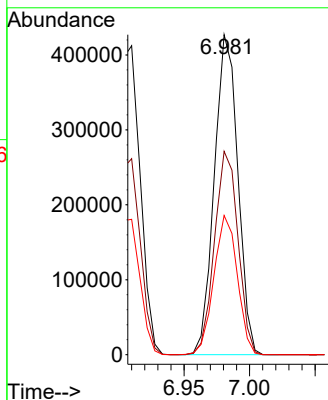
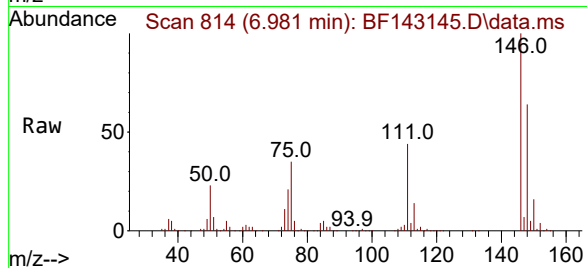
Tgt Ion:146 Resp: 531696

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

111 43.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 51.264 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

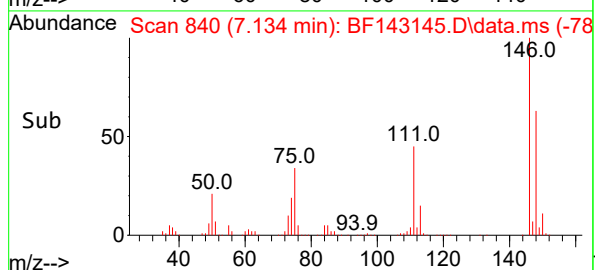
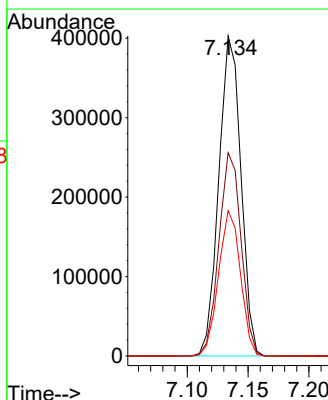
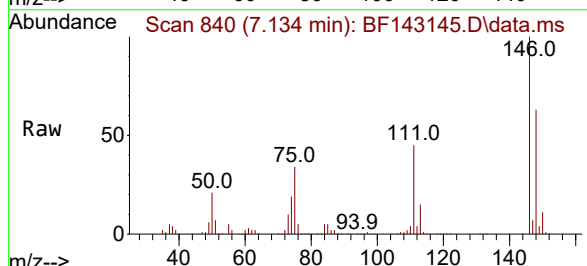
Tgt Ion:146 Resp: 510140

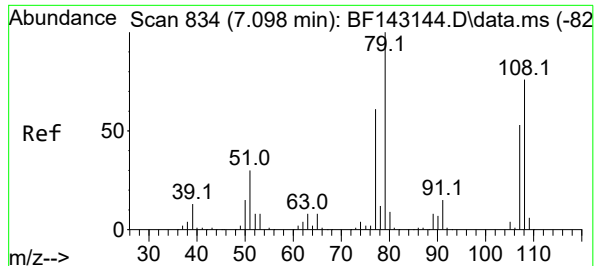
Ion Ratio Lower Upper

146 100

148 63.5 50.7 76.1

111 45.4 36.6 54.8





#15

Benzyl Alcohol

Concen: 52.616 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

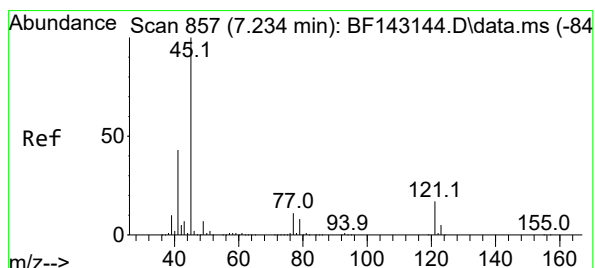
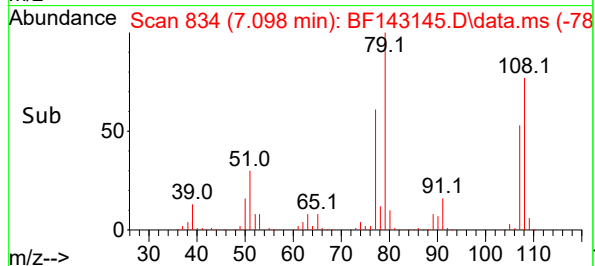
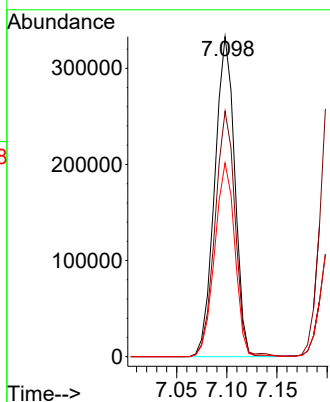
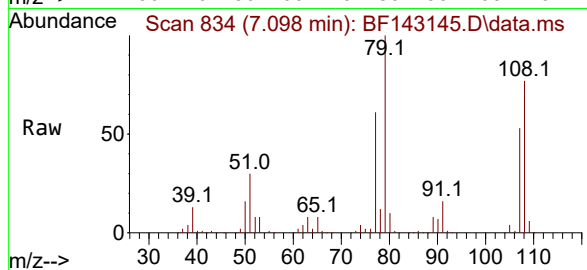
Tgt Ion: 79 Resp: 461379

Ion Ratio Lower Upper

79 100

108 76.7 61.1 91.7

77 60.6 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.128 ng

RT: 7.239 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

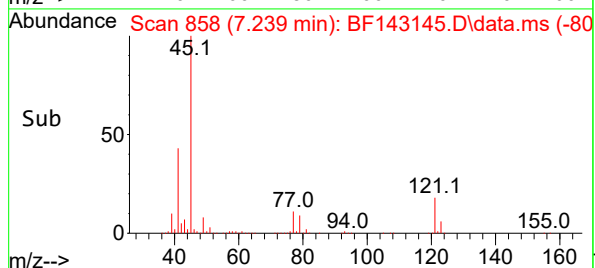
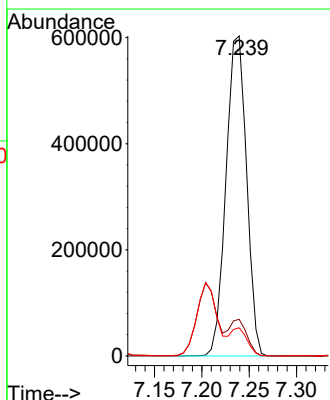
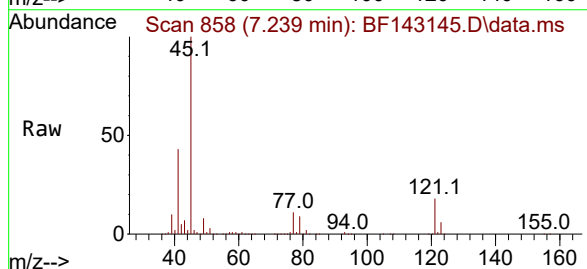
Tgt Ion: 45 Resp: 908530

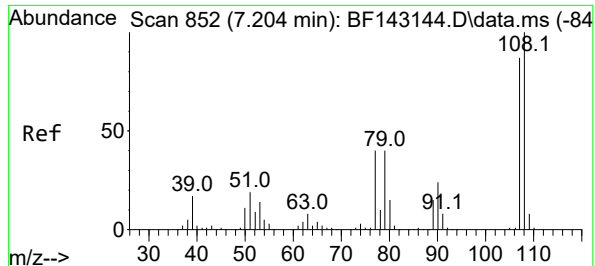
Ion Ratio Lower Upper

45 100

77 11.4 0.0 31.2

79 8.8 0.0 28.5

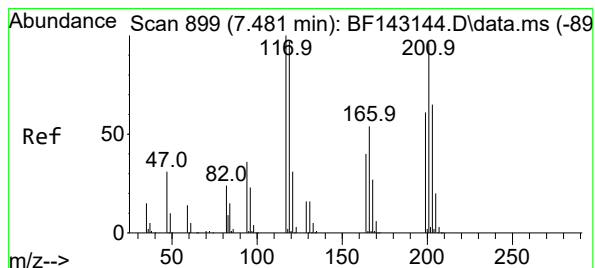
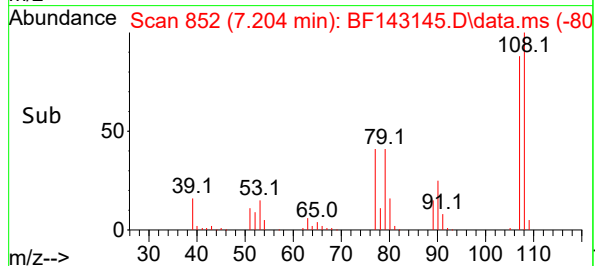
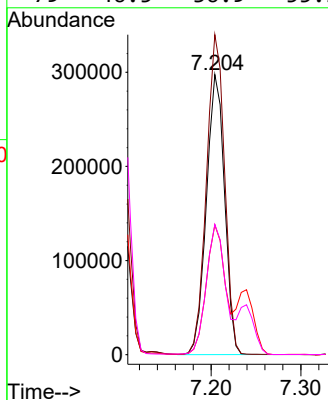
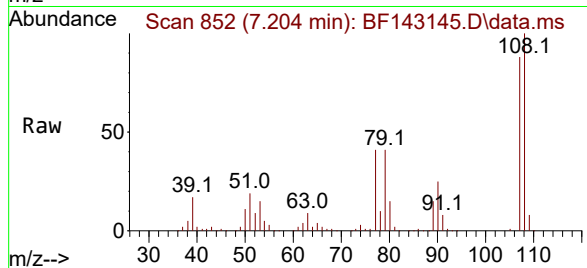




#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

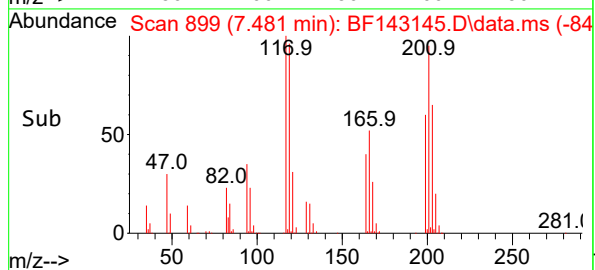
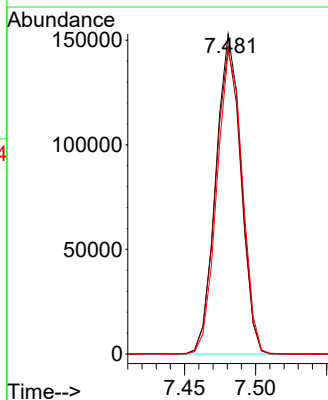
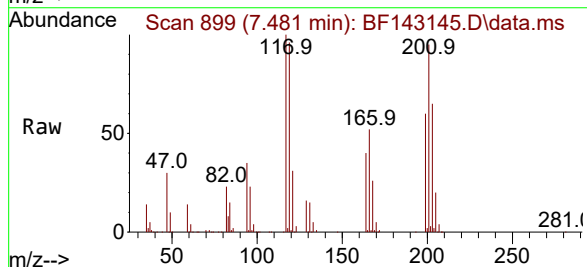
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

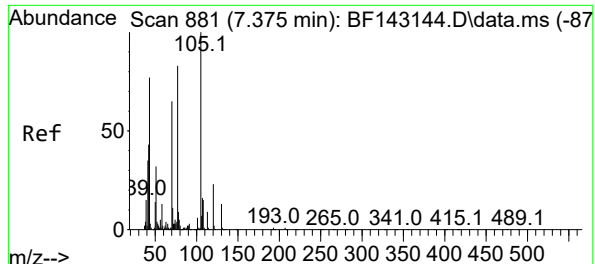
Tgt Ion:107 Resp: 418793
Ion Ratio Lower Upper
107 100
108 114.2 91.8 137.6
77 46.3 37.0 55.6
79 46.5 36.9 55.3



#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:117 Resp: 189394
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
201 94.5 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 50.131 ng

RT: 7.381 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 369367

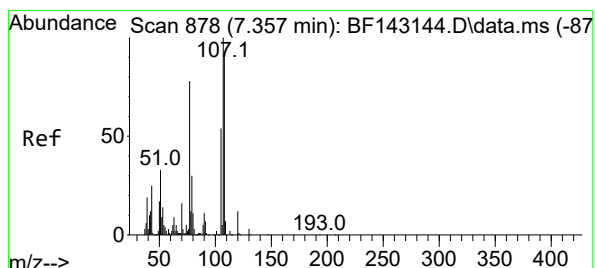
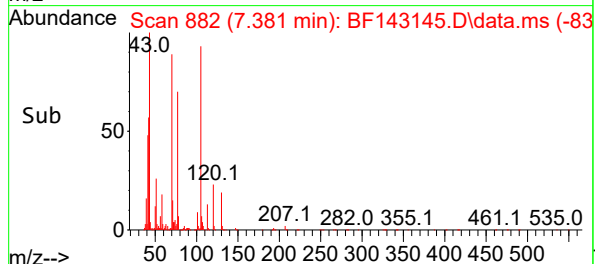
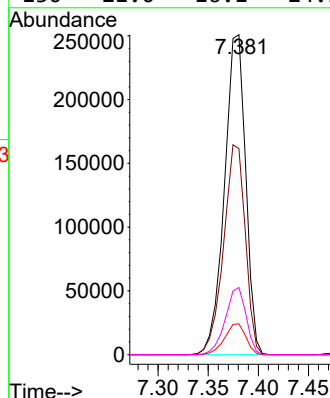
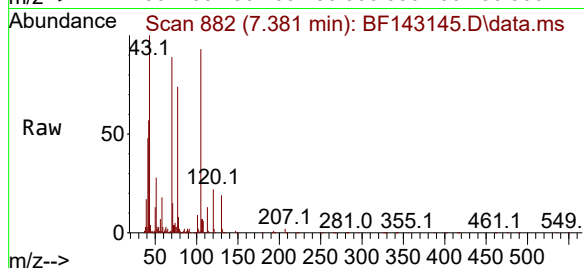
Ion Ratio Lower Upper

70 100

42 64.4 52.5 78.7

101 9.7 7.6 11.4

130 21.0 16.1 24.1



#20

3+4-Methylphenols

Concen: 51.870 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion: 107 Resp: 506069

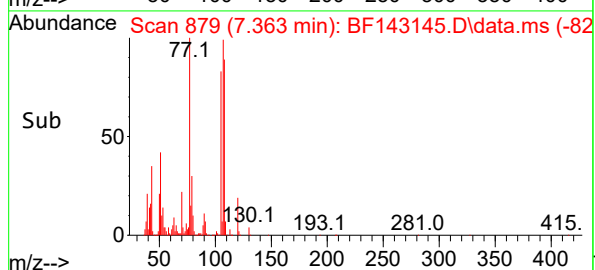
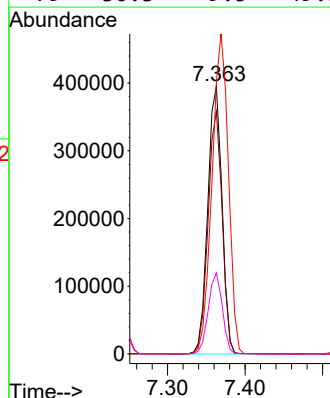
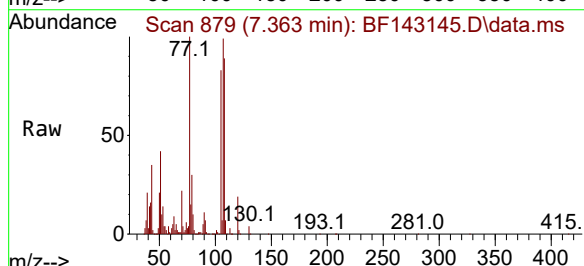
Ion Ratio Lower Upper

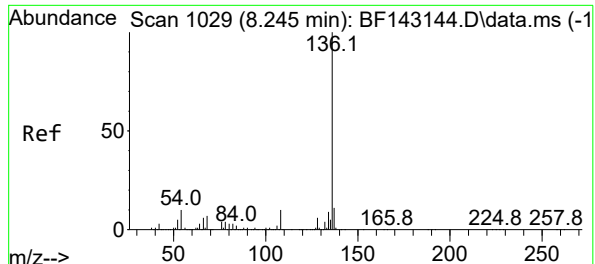
107 100

108 90.7 70.0 110.0

77 101.5 57.8 97.8#

79 30.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 555536

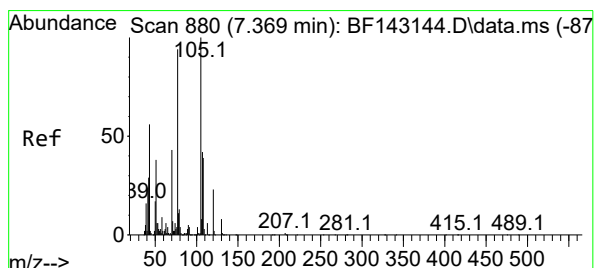
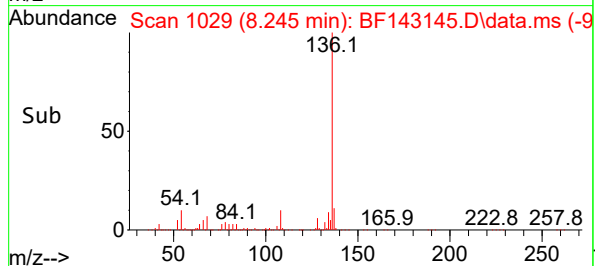
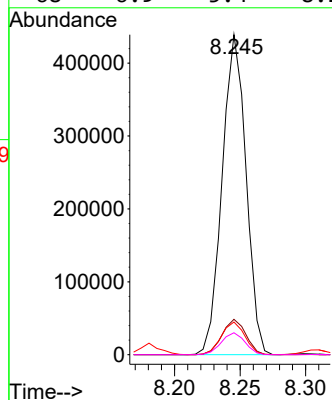
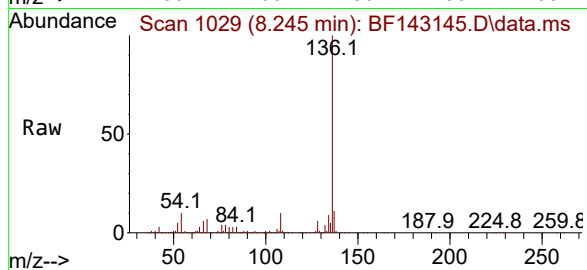
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.2 8.2 12.2

68 6.9 5.4 8.2



#22

Acetophenone

Concen: 50.258 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:105 Resp: 661017

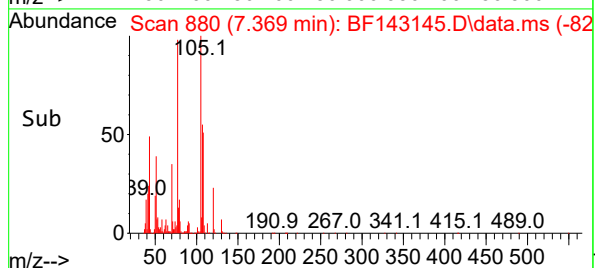
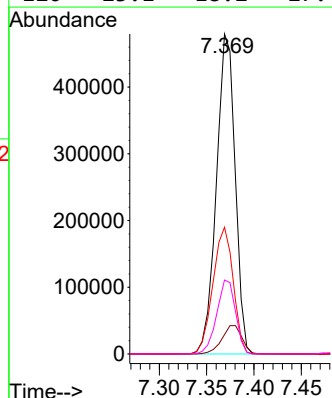
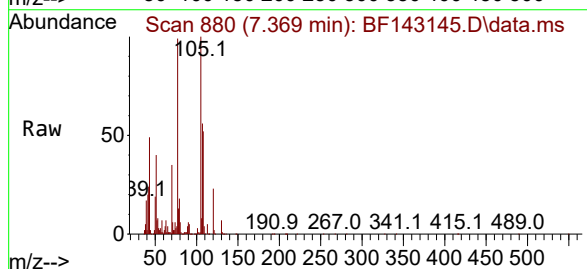
Ion Ratio Lower Upper

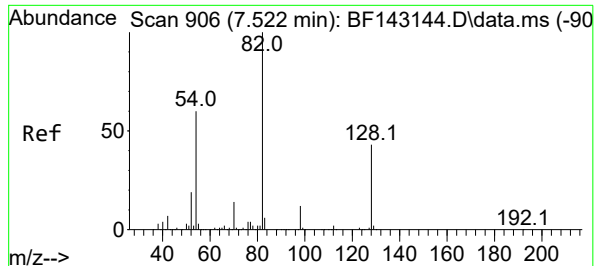
105 100

71 6.0 5.8 8.6

51 39.6 30.2 45.2

120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 103.949 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

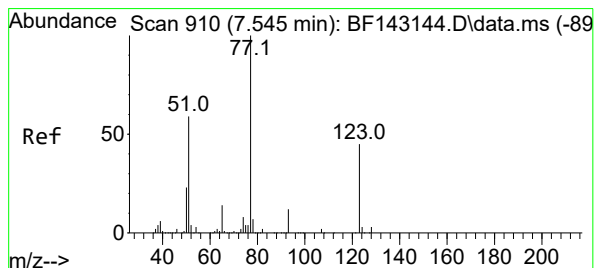
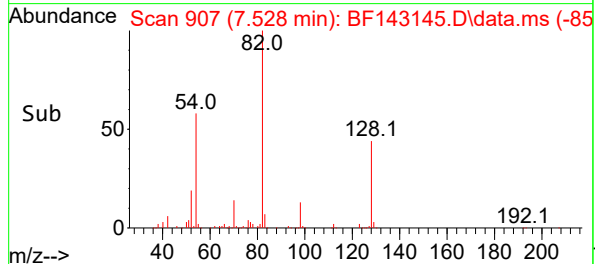
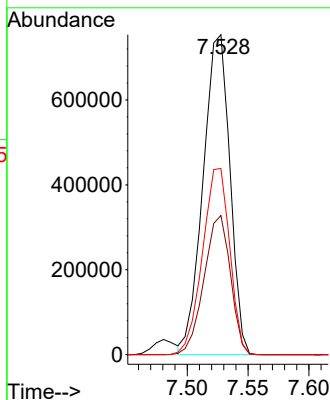
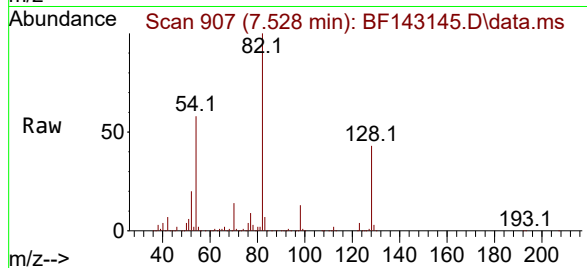
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1158494

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	58.2	47.1	70.7



#24

Nitrobenzene

Concen: 51.843 ng

RT: 7.545 min Scan# 910

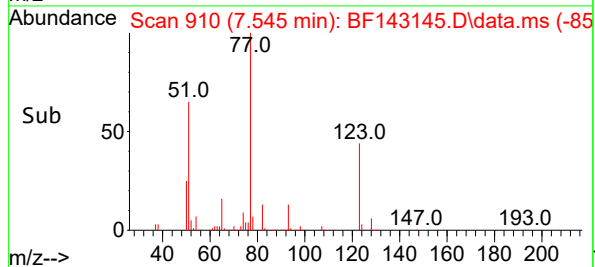
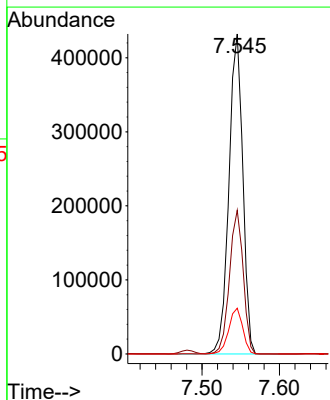
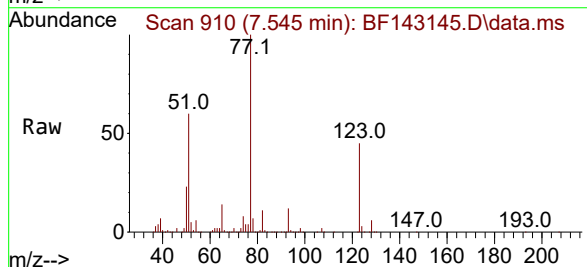
Delta R.T. -0.000 min

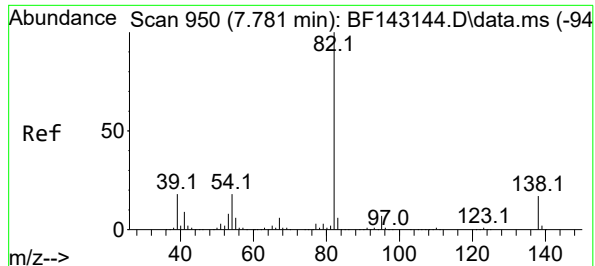
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 538666

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.1	54.1
65	14.3	11.4	17.2

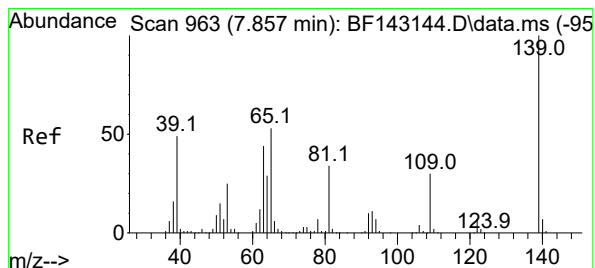
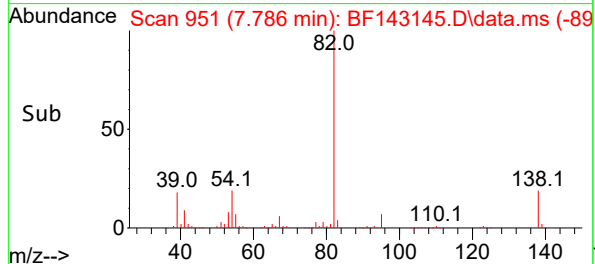
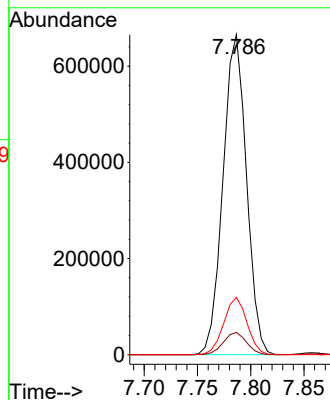
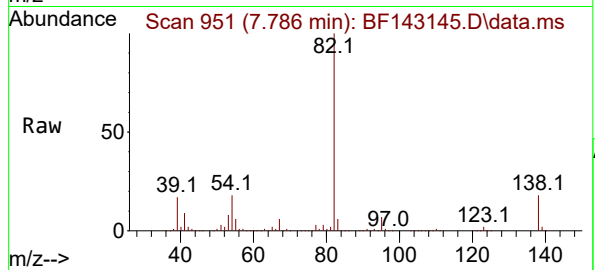




#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

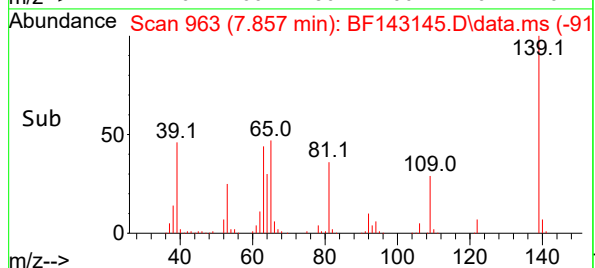
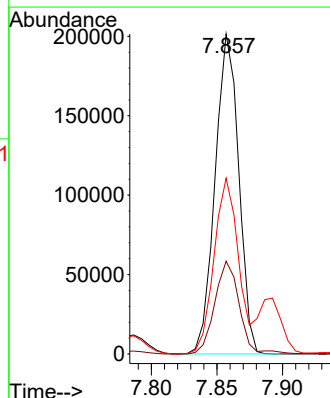
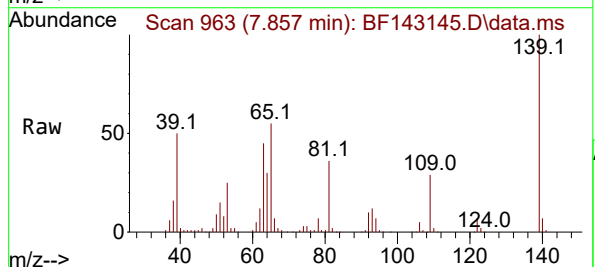
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

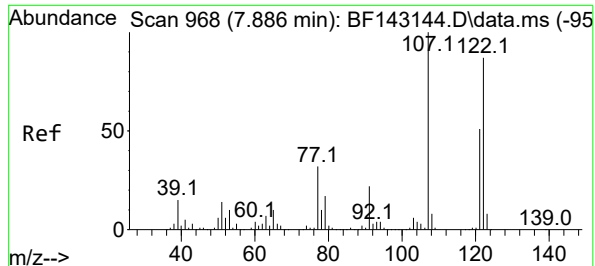
Tgt Ion: 82 Resp: 1018783
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.9 13.8 20.8



#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 139 Resp: 252169
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 51.112 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

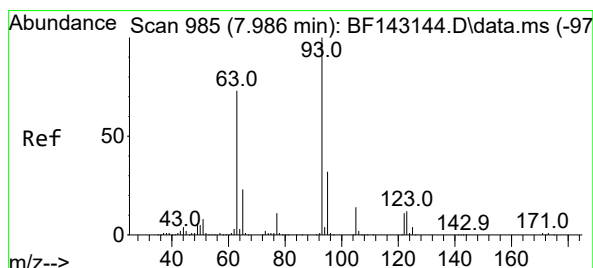
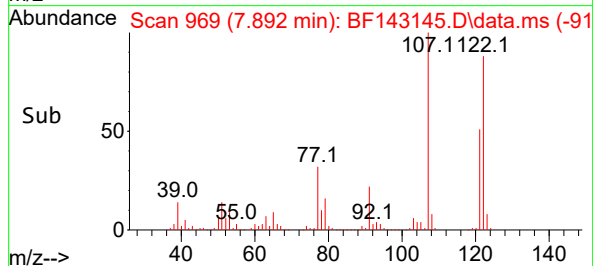
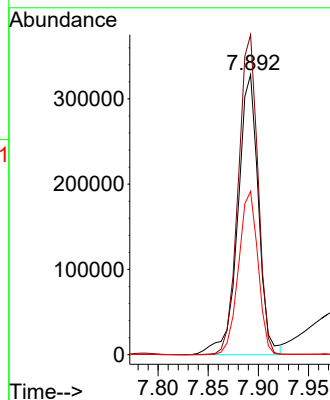
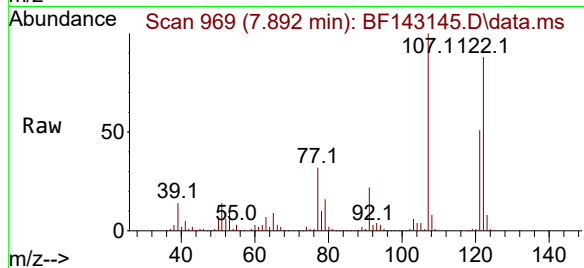
Tgt Ion:122 Resp: 469819

Ion Ratio Lower Upper

122 100

107 114.3 91.8 137.6

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 50.631 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

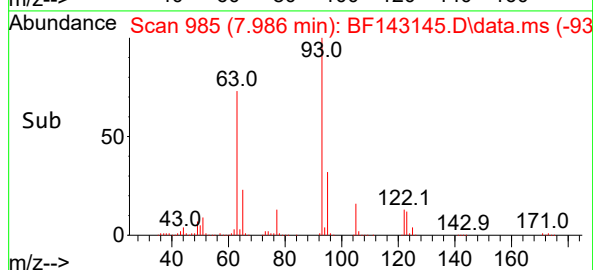
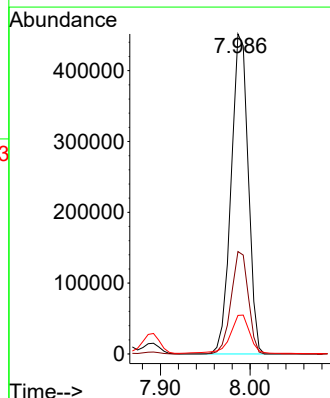
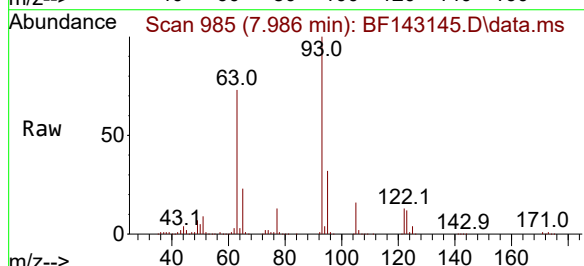
Tgt Ion: 93 Resp: 597241

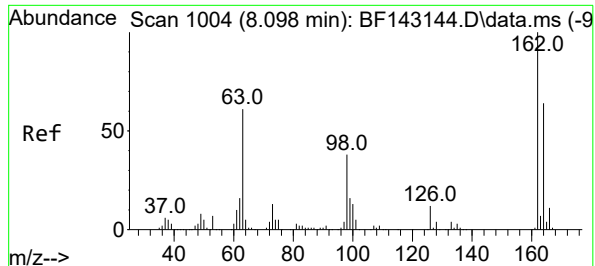
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 51.773 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

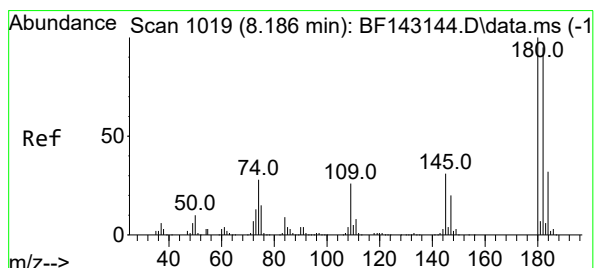
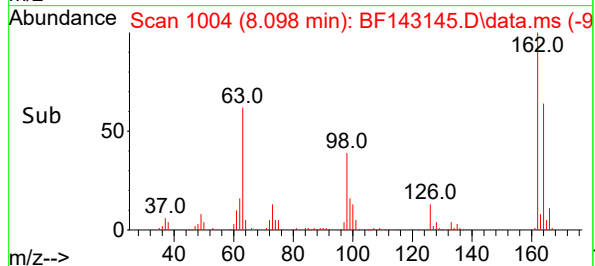
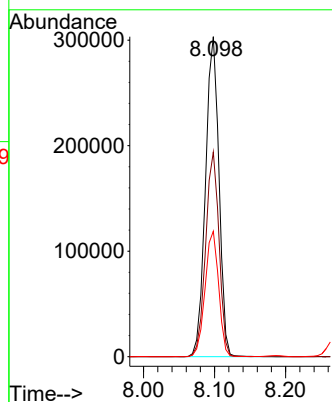
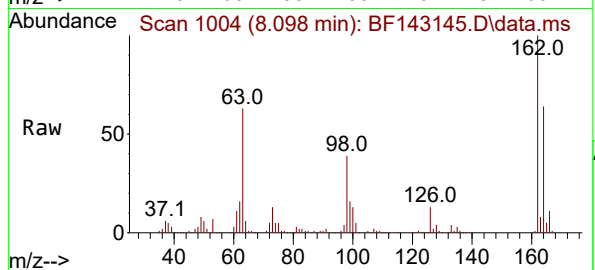
Tgt Ion:162 Resp: 401336

Ion Ratio Lower Upper

162 100

164 64.0 44.2 84.2

98 39.2 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 50.242 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

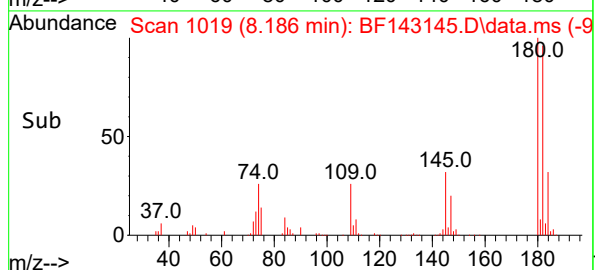
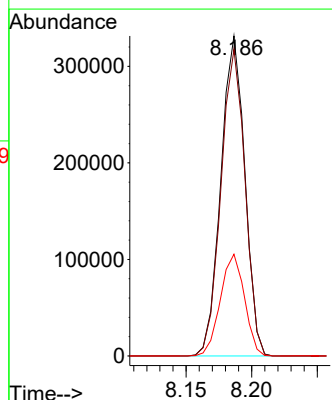
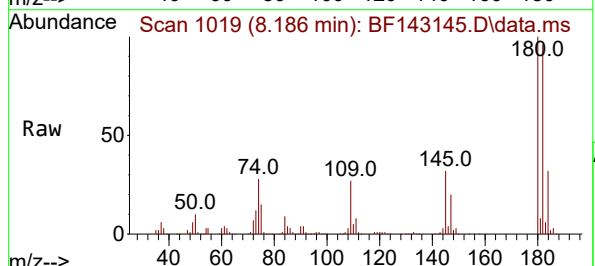
Tgt Ion:180 Resp: 420763

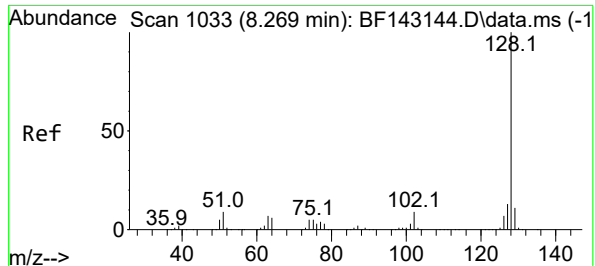
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

145 31.8 25.0 37.6





#31

Naphthalene

Concen: 50.060 ng

RT: 8.269 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

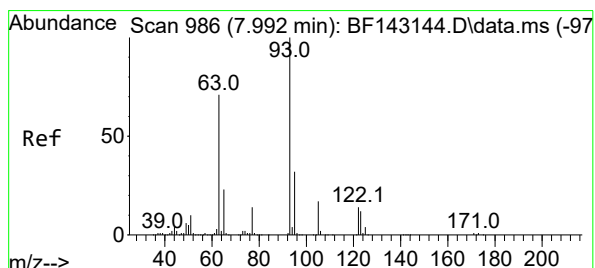
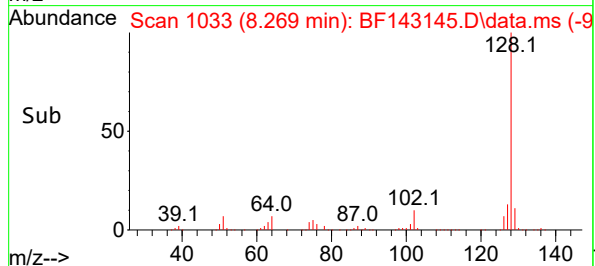
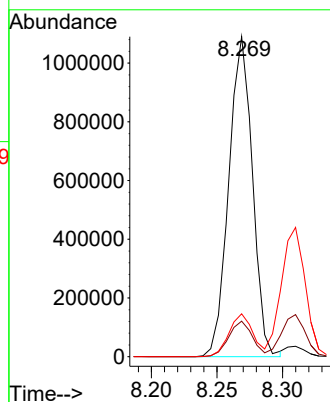
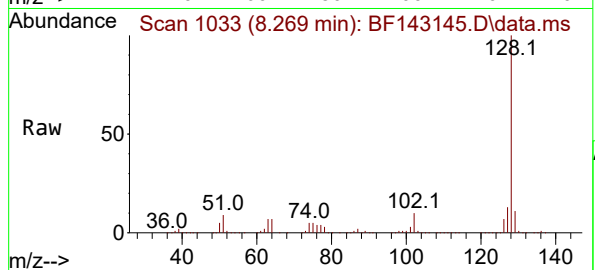
Tgt Ion:128 Resp: 1369627

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 52.352 ng m

RT: 7.998 min Scan# 987

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

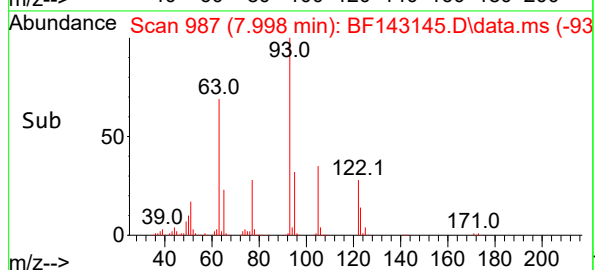
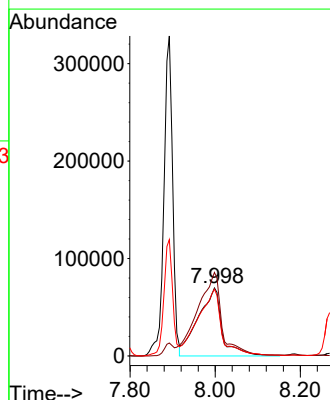
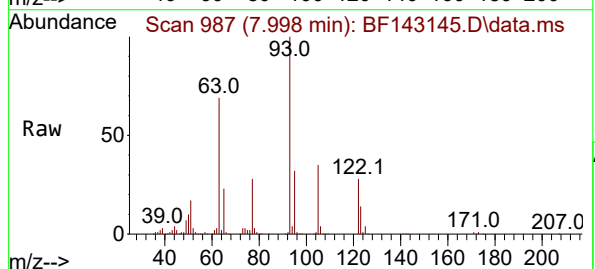
Tgt Ion:122 Resp: 273361

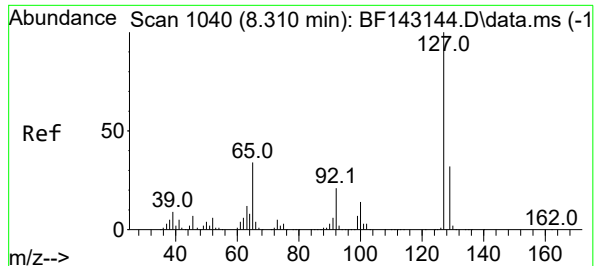
Ion Ratio Lower Upper

122 100

105 123.0 104.8 144.8

77 98.4 77.6 117.6





#33

4-Chloroaniline

Concen: 50.703 ng

RT: 8.310 min Scan# 1040

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 566422

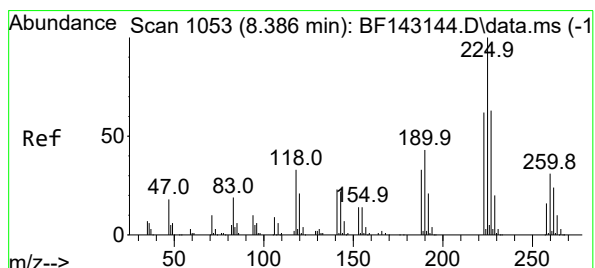
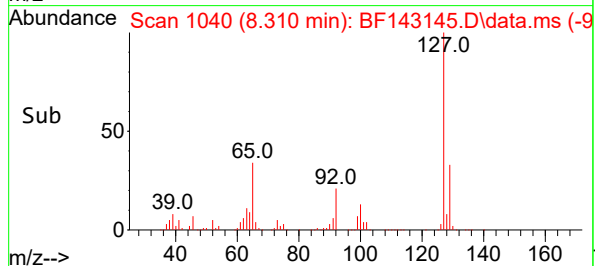
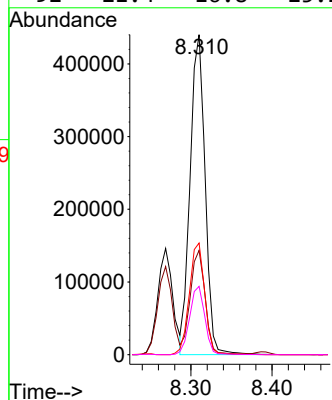
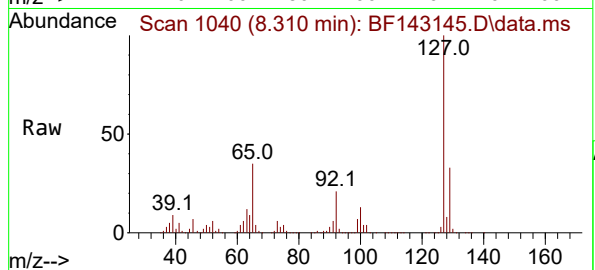
Ion Ratio Lower Upper

127 100

129 32.6 26.0 39.0

65 34.9 27.4 41.2

92 21.4 16.8 25.2



#34

Hexachlorobutadiene

Concen: 50.976 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

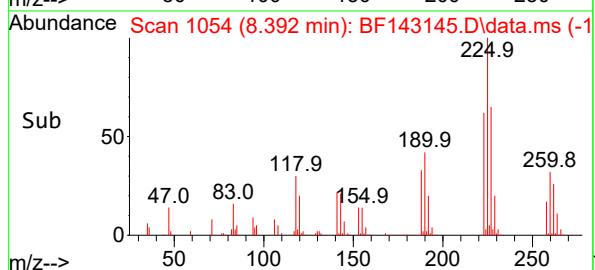
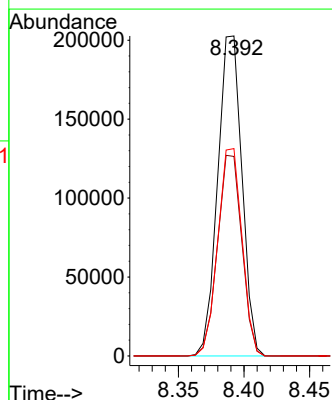
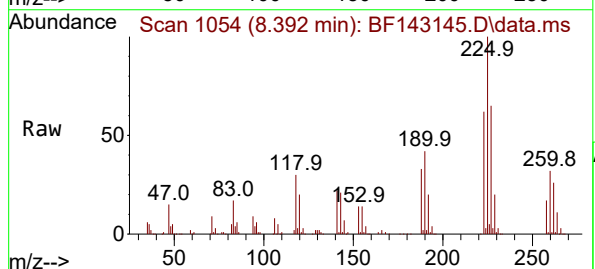
Tgt Ion:225 Resp: 260787

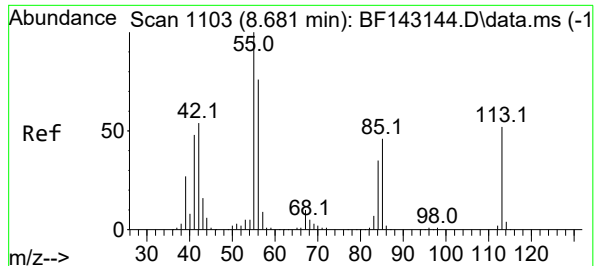
Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.6

227 64.8 50.2 75.4





#35

Caprolactam

Concen: 53.811 ng

RT: 8.680 min Scan# 1103

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

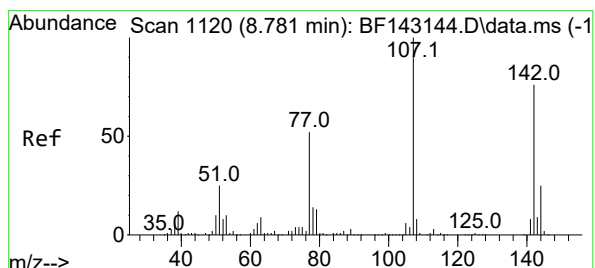
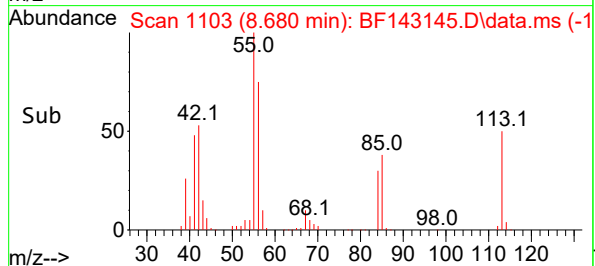
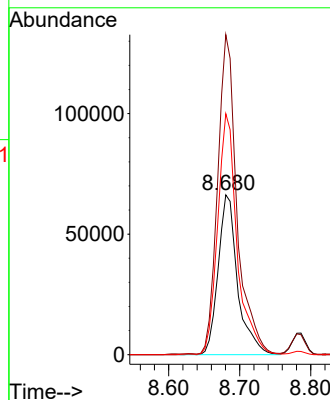
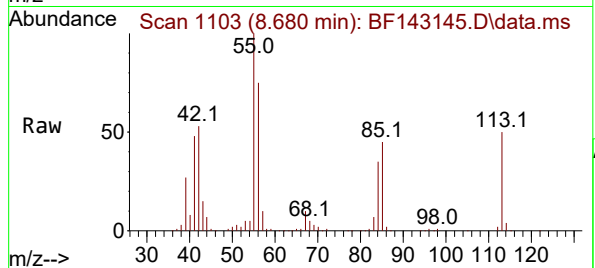
Tgt Ion:113 Resp: 126050

Ion Ratio Lower Upper

113 100

55 200.3 174.0 214.0

56 150.8 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 51.242 ng

RT: 8.786 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

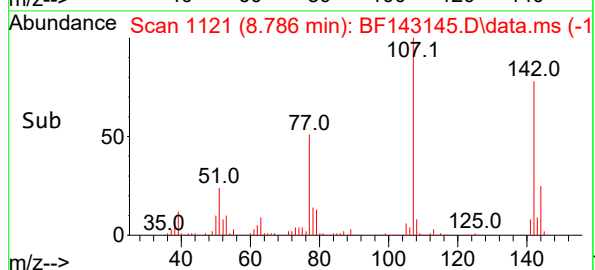
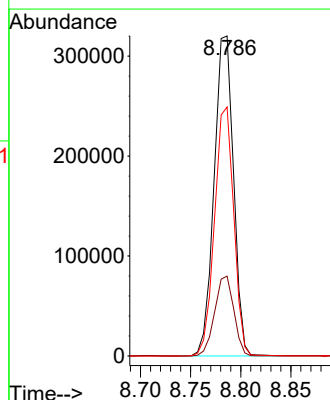
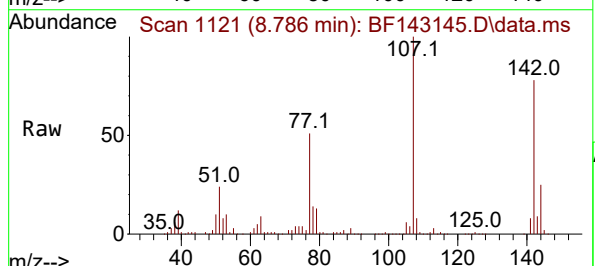
Tgt Ion:107 Resp: 431745

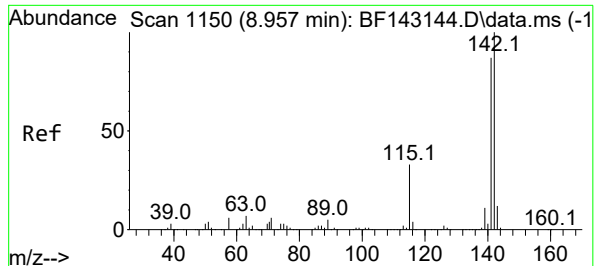
Ion Ratio Lower Upper

107 100

144 25.0 19.8 29.6

142 77.8 60.6 90.8

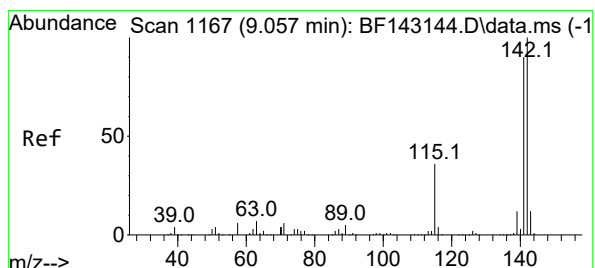
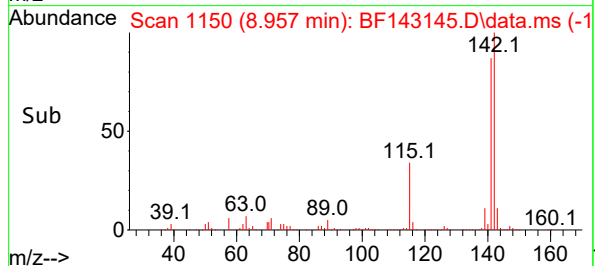
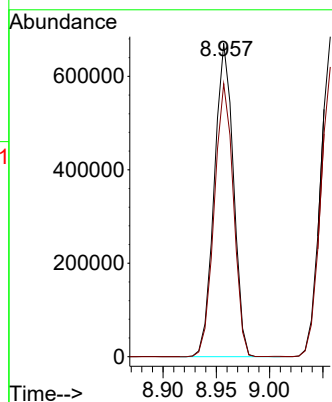
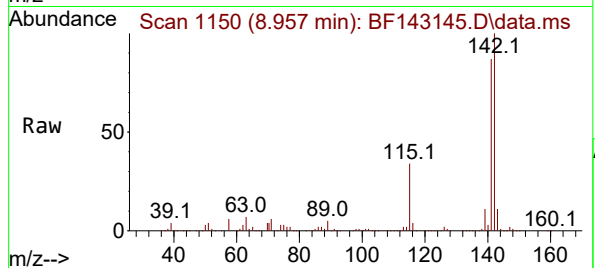




#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

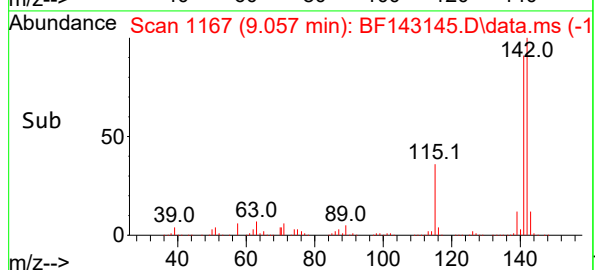
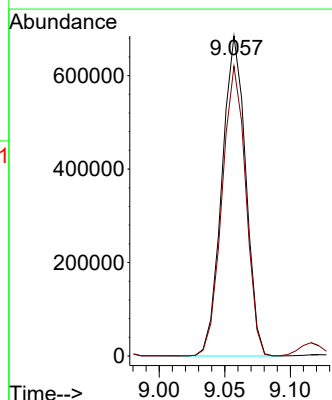
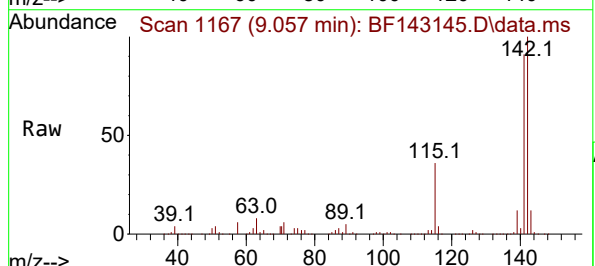
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

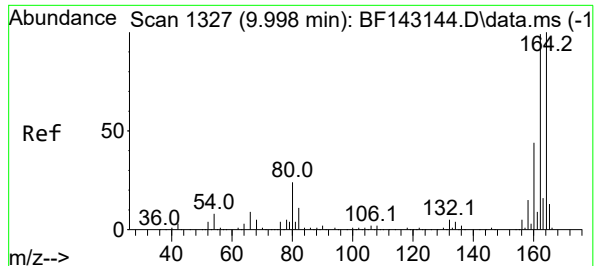
Tgt Ion:142 Resp: 837820
Ion Ratio Lower Upper
142 100
141 87.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 862300
Ion Ratio Lower Upper
142 100
141 90.6 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

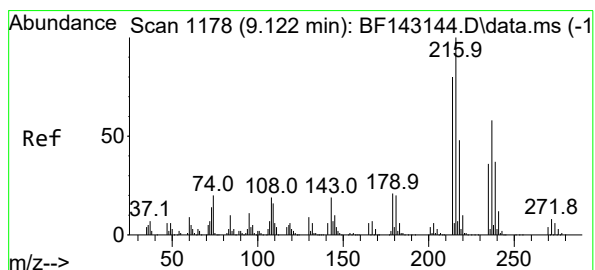
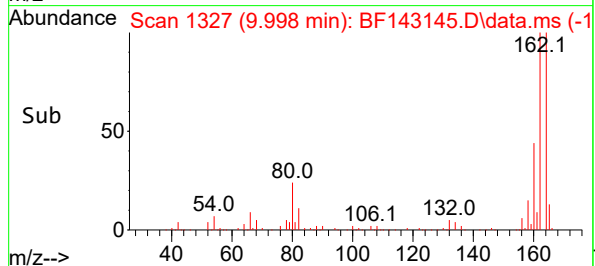
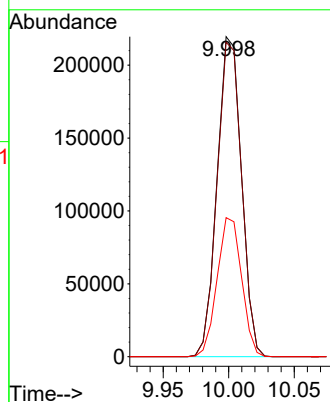
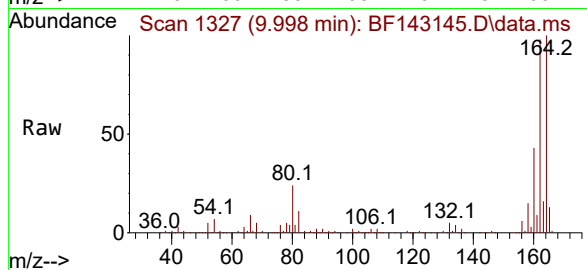
Tgt Ion:164 Resp: 283657

Ion Ratio Lower Upper

164 100

162 98.3 79.0 118.6

160 43.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.420 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:216 Resp: 412916

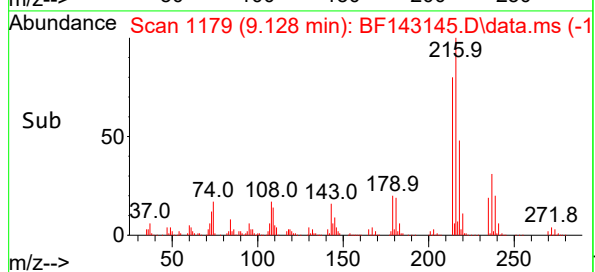
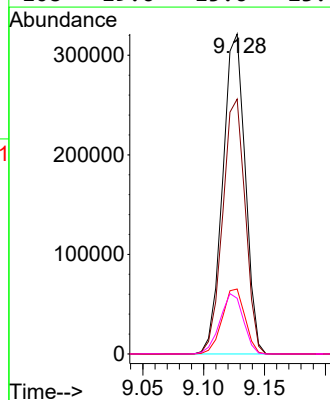
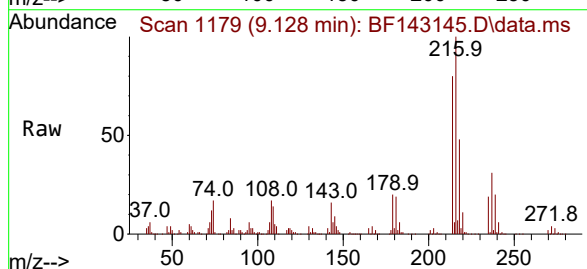
Ion Ratio Lower Upper

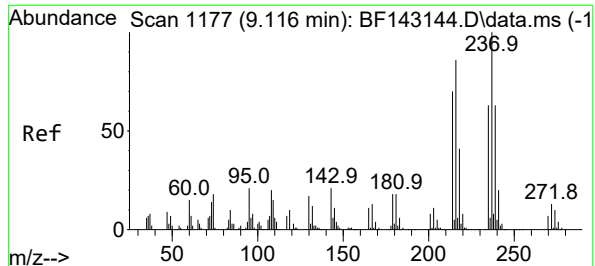
216 100

214 79.7 63.8 95.8

179 20.5 16.4 24.6

108 19.6 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 53.823 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

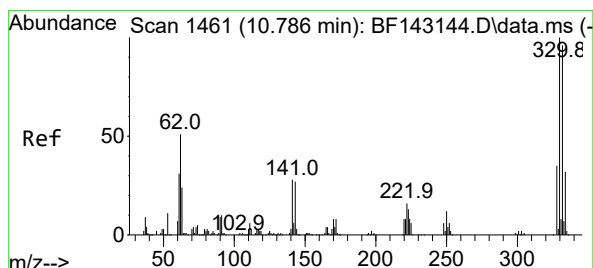
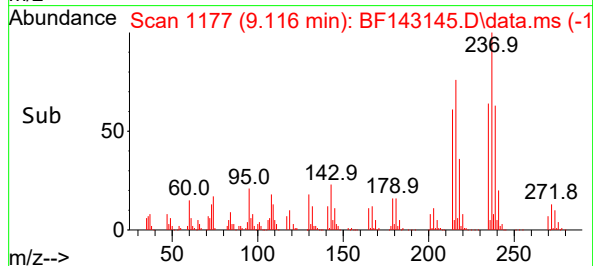
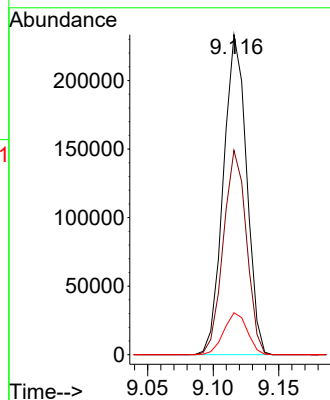
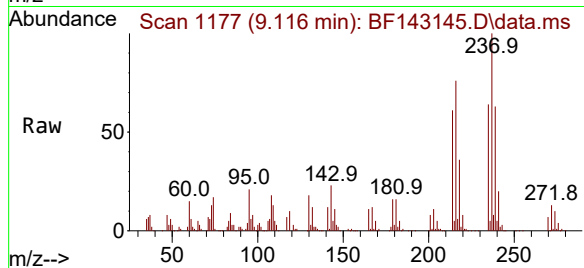
Tgt Ion:237 Resp: 286805

Ion Ratio Lower Upper

237 100

235 63.9 43.0 83.0

272 13.1 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 105.607 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

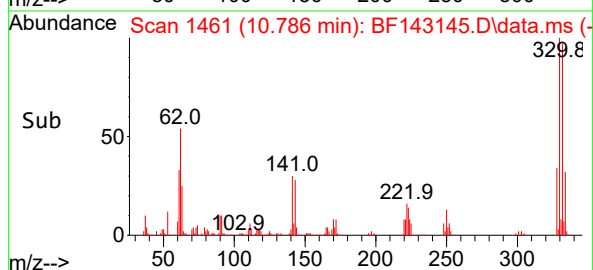
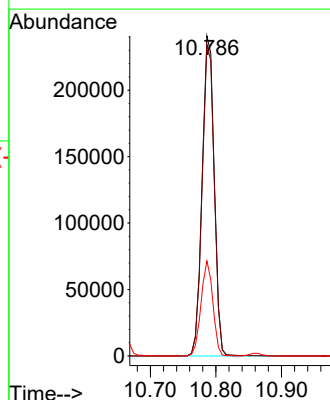
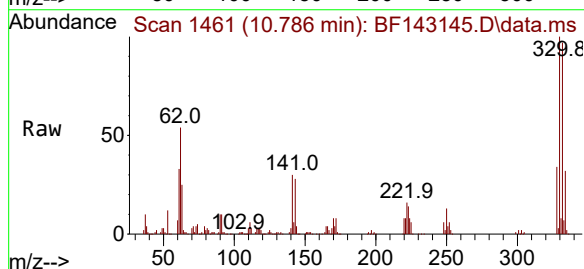
Tgt Ion:330 Resp: 309465

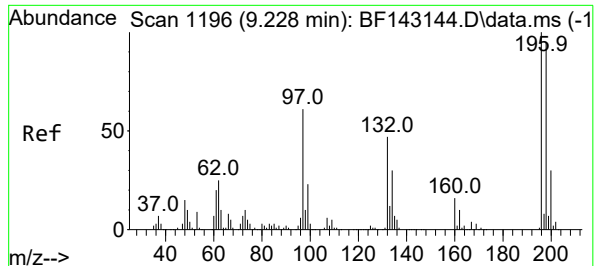
Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

141 29.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 53.718 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143145.D

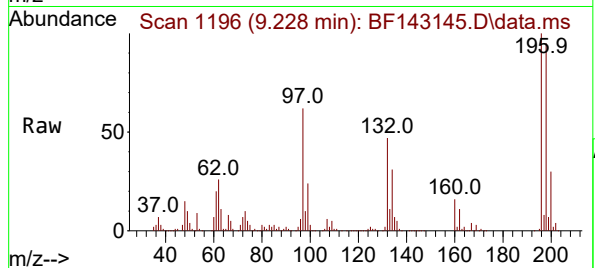
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



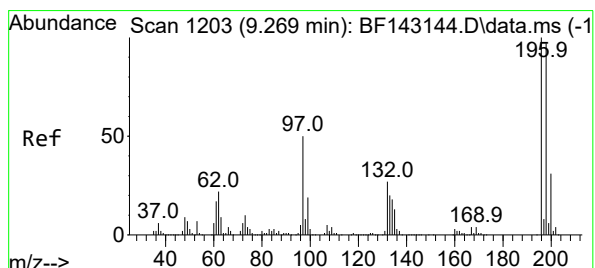
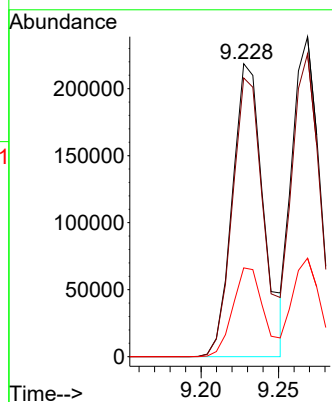
Tgt Ion:196 Resp: 304466

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.3 23.9 35.9



#44

2,4,5-Trichlorophenol

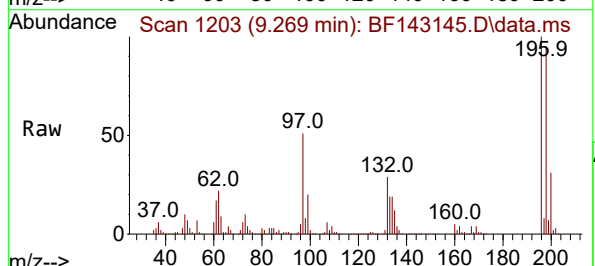
Concen: 51.434 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



Tgt Ion:196 Resp: 291607

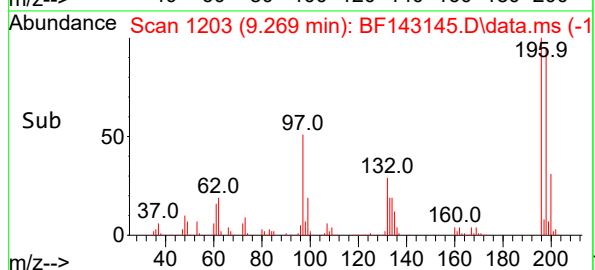
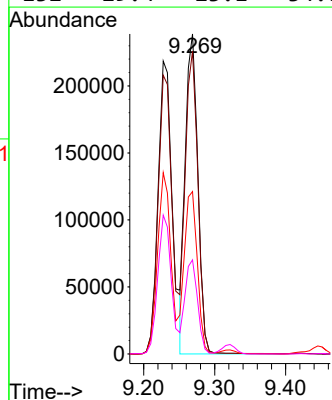
Ion Ratio Lower Upper

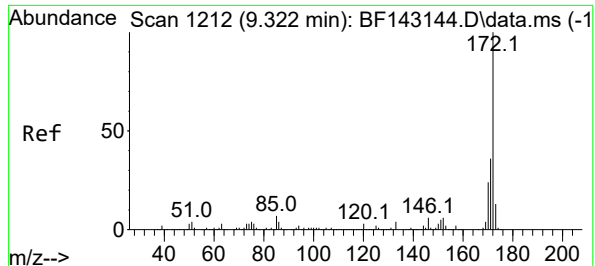
196 100

198 94.7 77.3 115.9

97 50.8 40.3 60.5

132 29.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 96.712 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

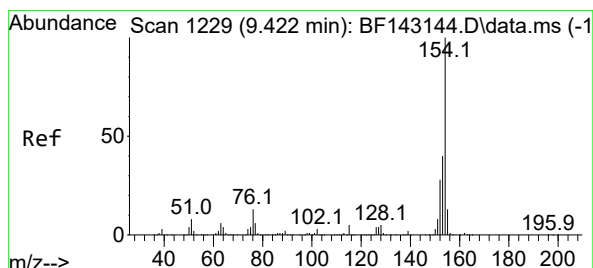
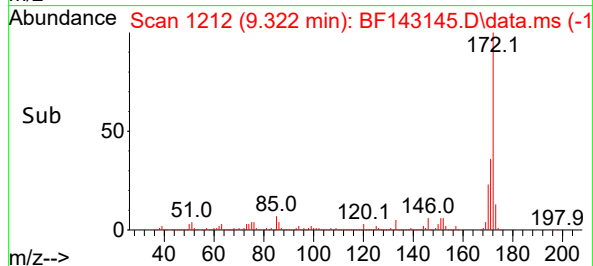
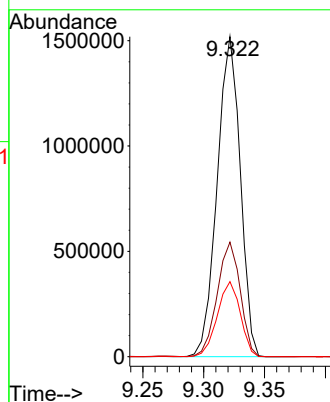
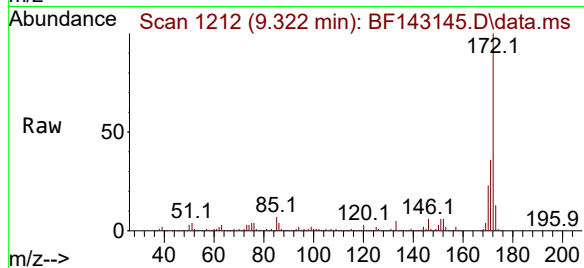
Tgt Ion:172 Resp: 2005894

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 49.764 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

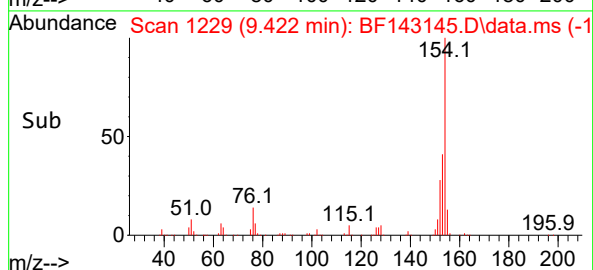
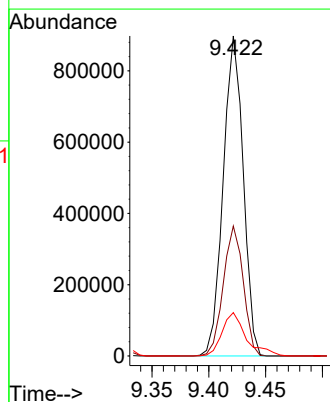
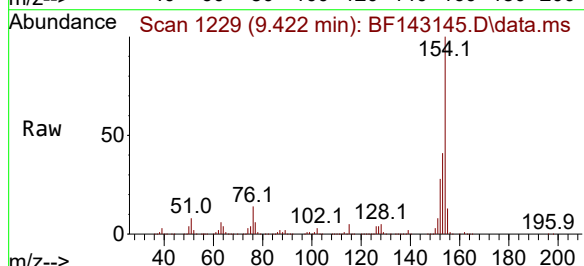
Tgt Ion:154 Resp: 1101317

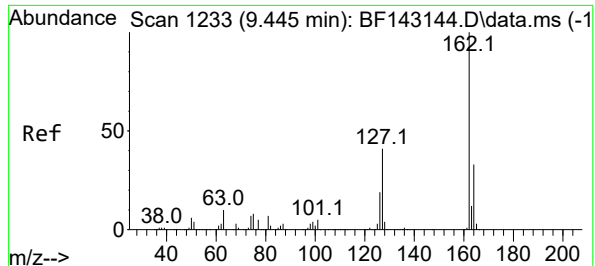
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 50.488 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

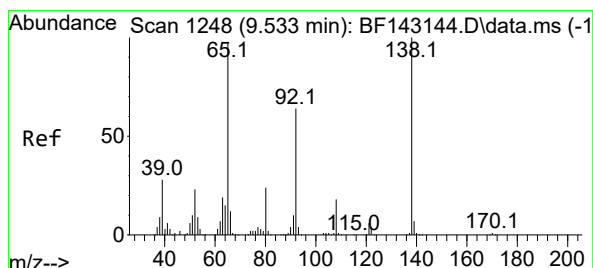
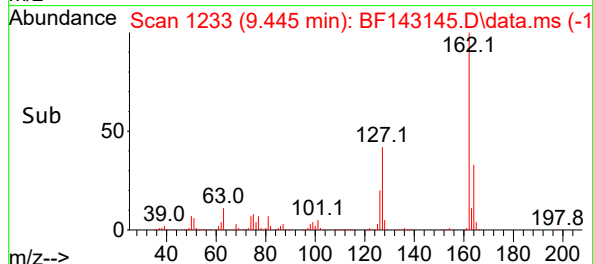
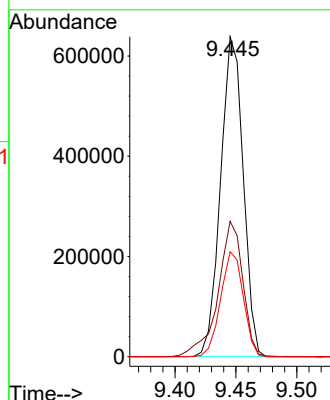
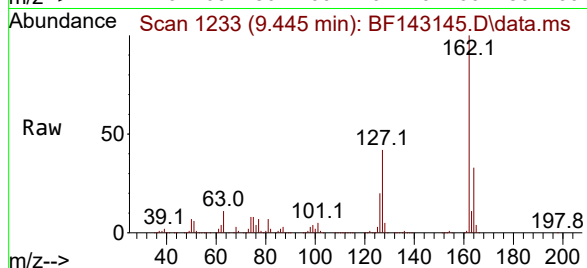
Tgt Ion:162 Resp: 826749

Ion Ratio Lower Upper

162 100

127 42.3 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 54.736 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

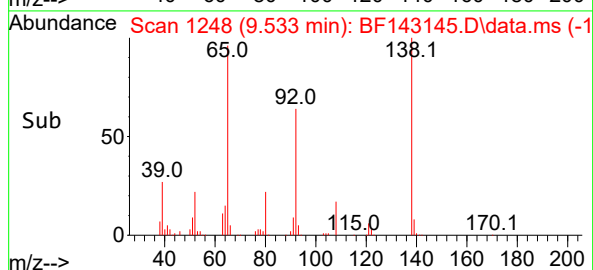
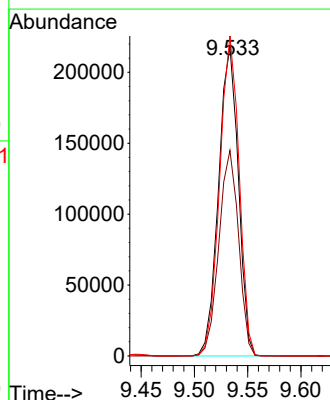
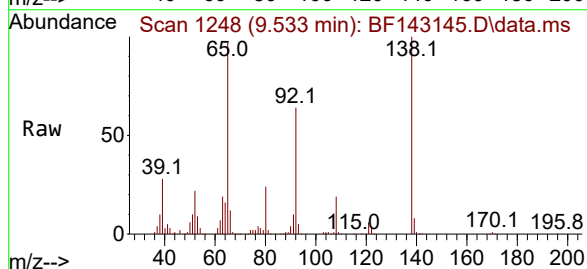
Tgt Ion: 65 Resp: 281082

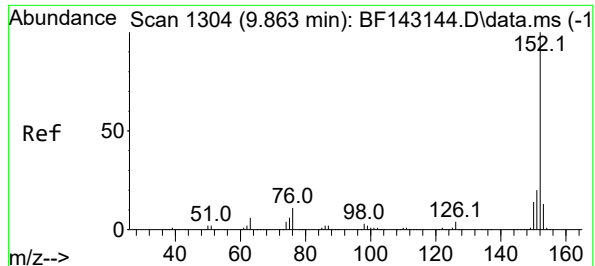
Ion Ratio Lower Upper

65 100

92 66.5 52.4 78.6

138 103.5 82.3 123.5





#49

Acenaphthylene

Concen: 50.605 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

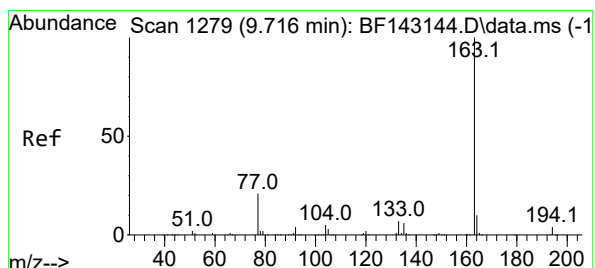
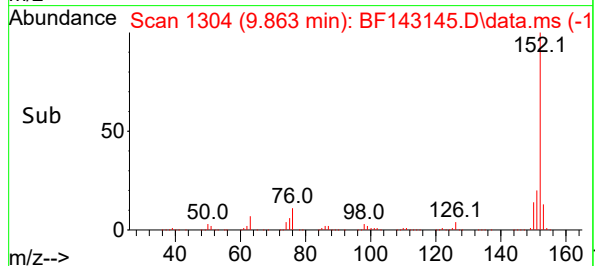
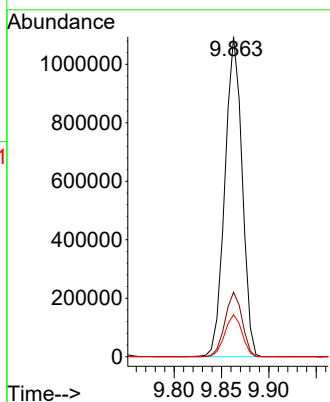
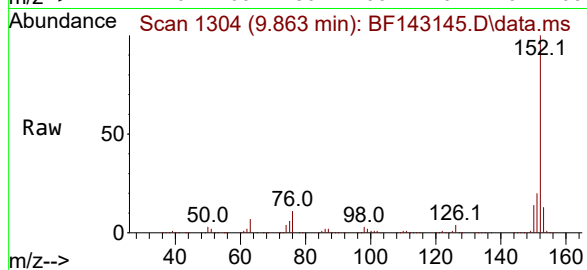
Tgt Ion:152 Resp: 1388721

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 50.832 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

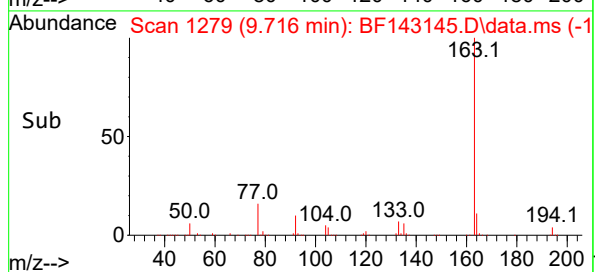
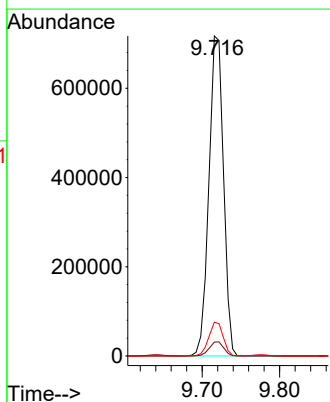
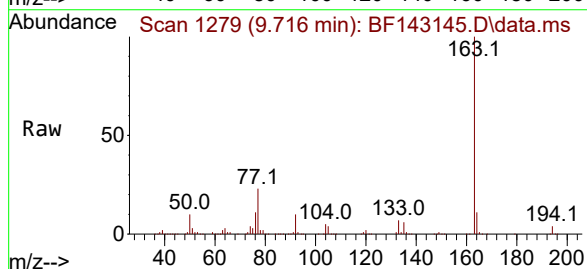
Tgt Ion:163 Resp: 939863

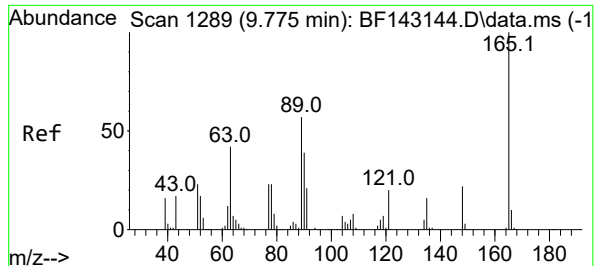
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.5 8.3 12.5

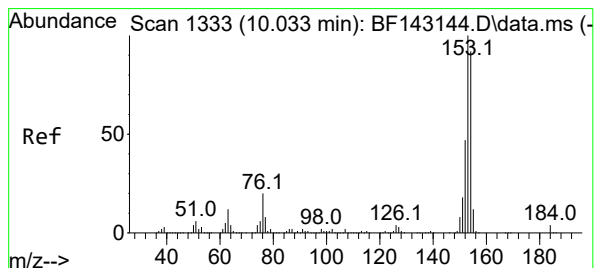
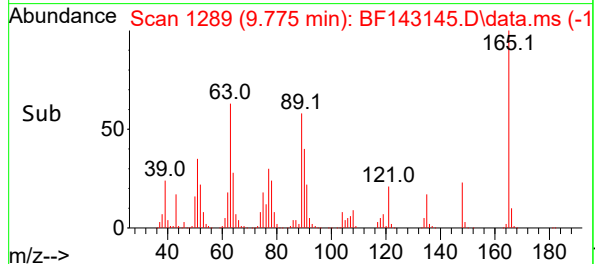
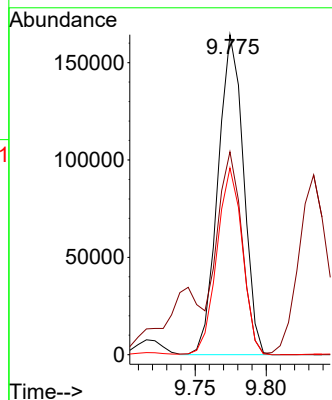
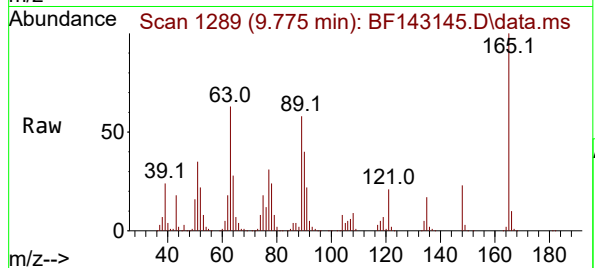




#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

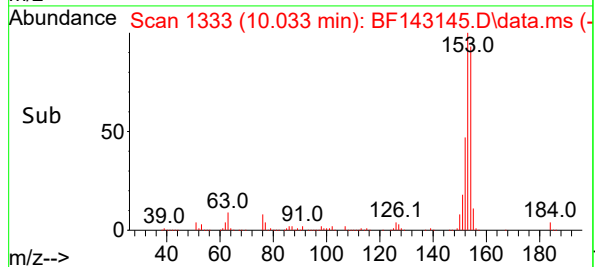
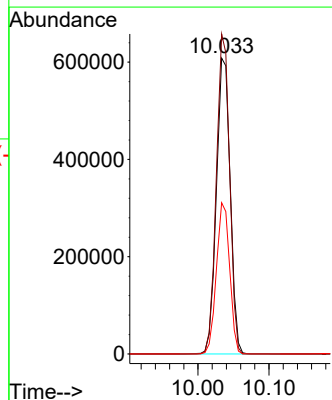
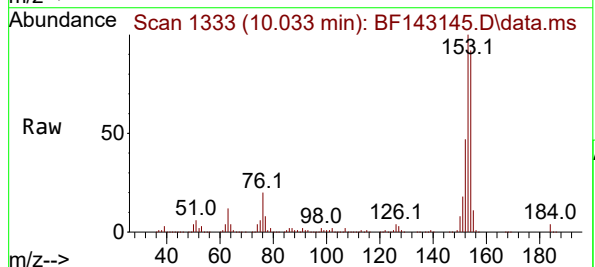
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

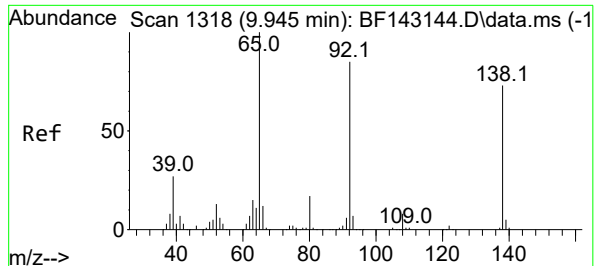
Tgt Ion:165 Resp: 205147
Ion Ratio Lower Upper
165 100
63 63.4 49.4 74.2
89 58.4 46.2 69.2



#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 818783
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 51.1 40.4 60.6

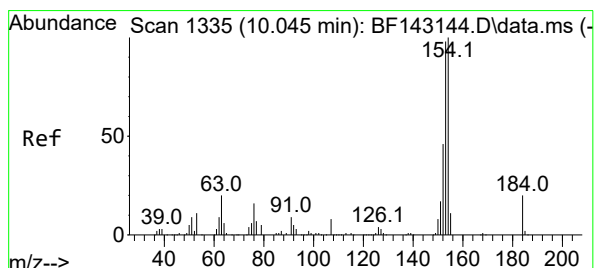
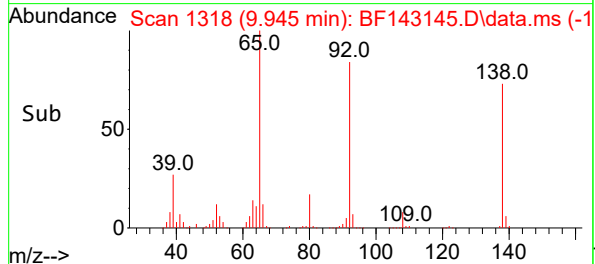
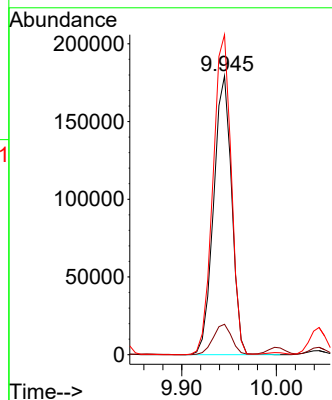
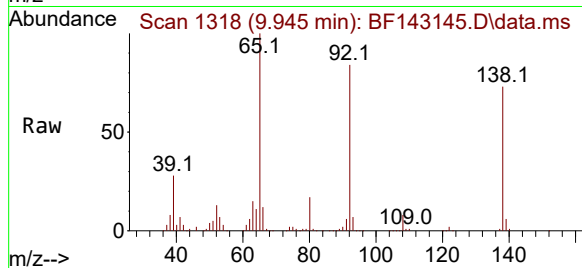




#53
3-Nitroaniline
Concen: 53.861 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

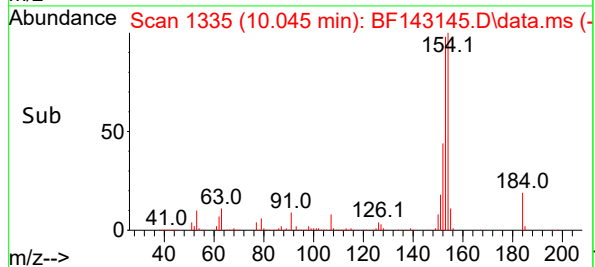
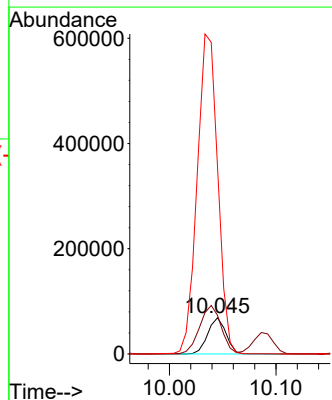
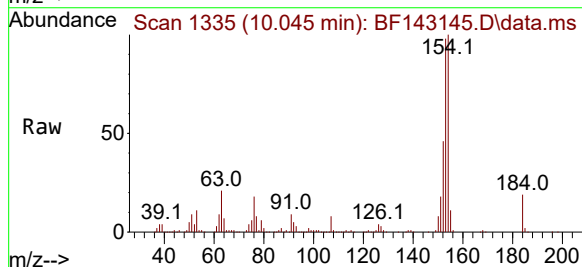
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

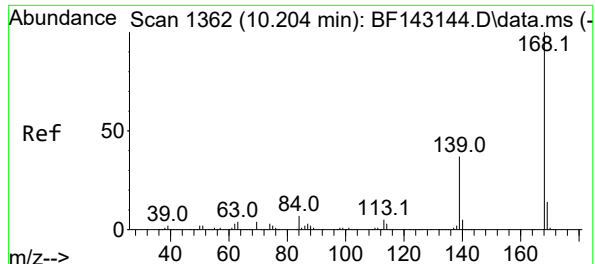
Tgt Ion:138 Resp: 236959
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.8 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:184 Resp: 81983
Ion Ratio Lower Upper
184 100
63 106.9 81.8 122.6
154 519.2 412.2 618.4

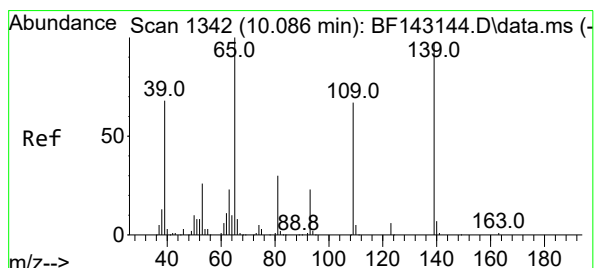
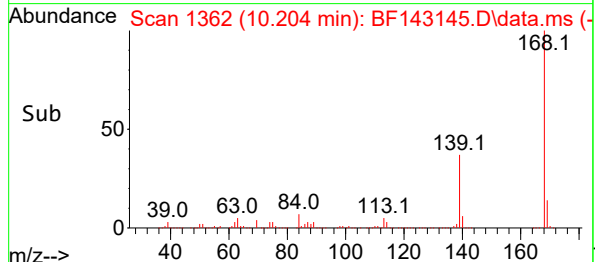
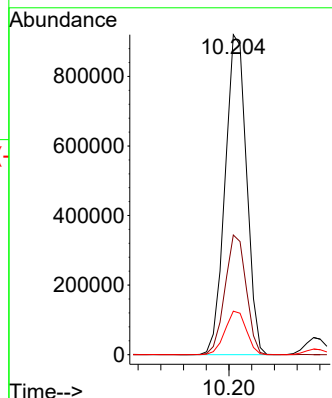
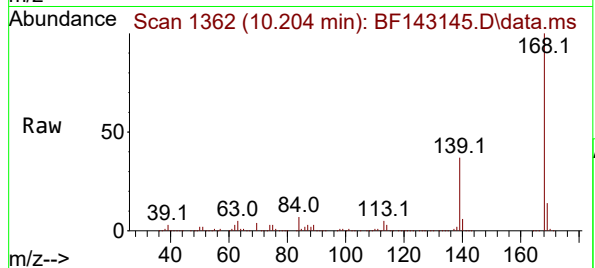




#55
Dibenzenofuran
Concen: 50.001 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

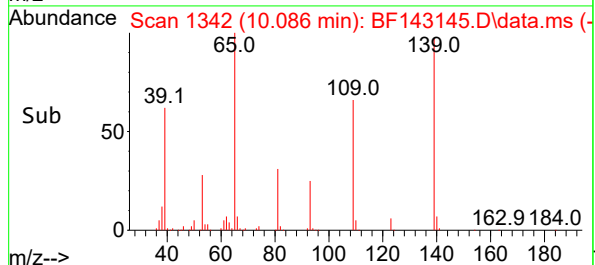
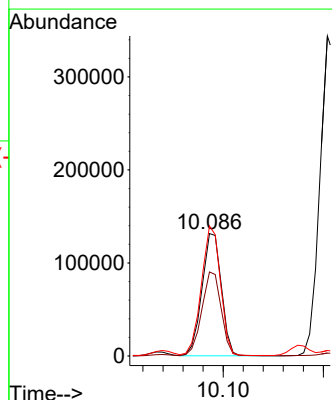
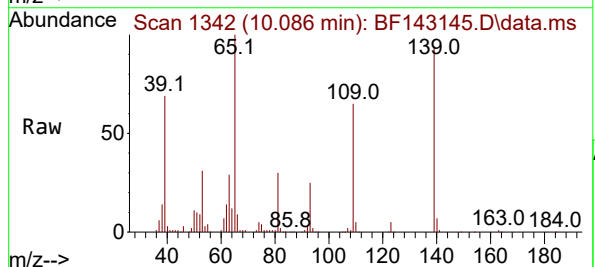
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

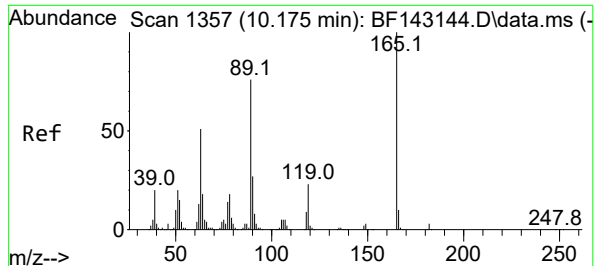
Tgt Ion:168 Resp: 1204088
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 177408
Ion Ratio Lower Upper
139 100
109 68.7 48.5 88.5
65 106.2 83.4 123.4

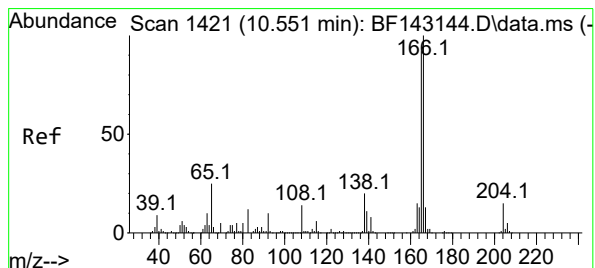
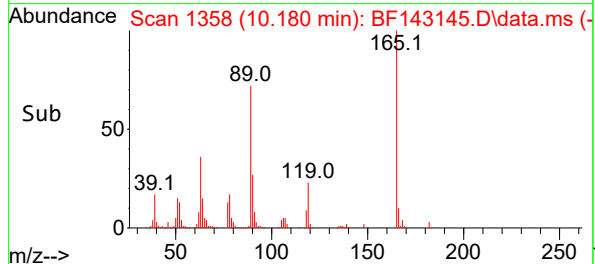
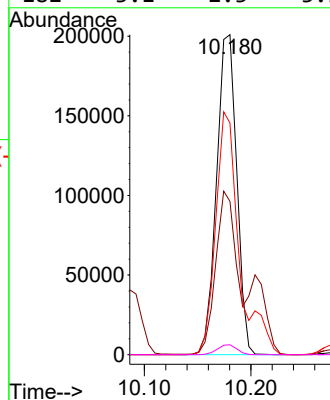
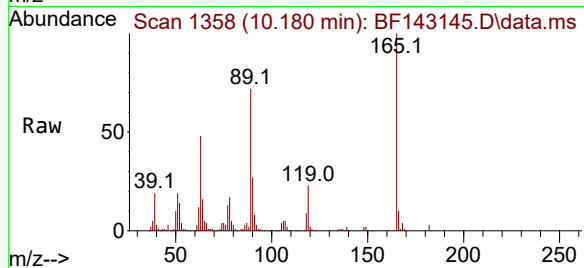




#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

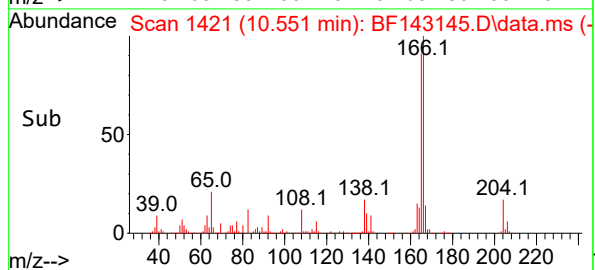
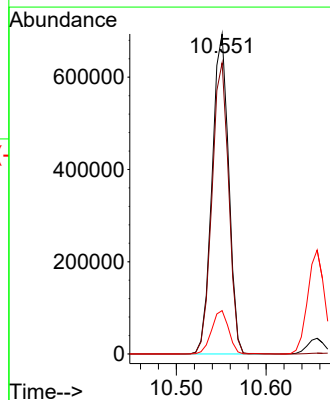
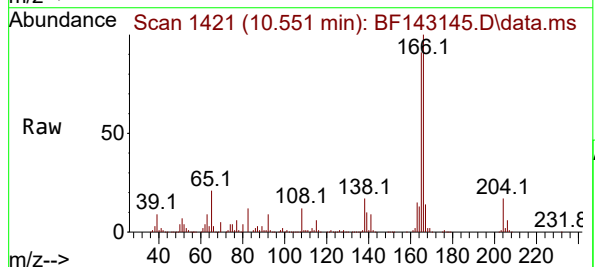
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

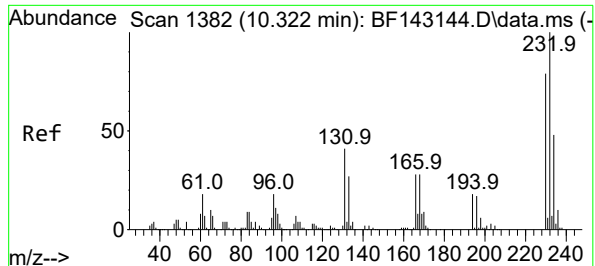
Tgt Ion:165 Resp: 264045
Ion Ratio Lower Upper
165 100
63 47.9 41.0 61.4
89 72.4 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:166 Resp: 891646
Ion Ratio Lower Upper
166 100
165 91.0 73.7 110.5
167 13.6 10.6 16.0

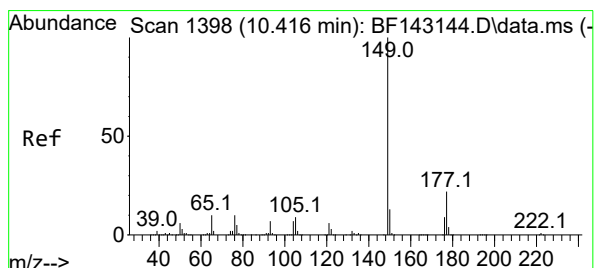
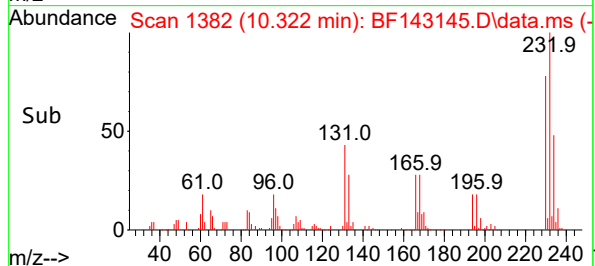
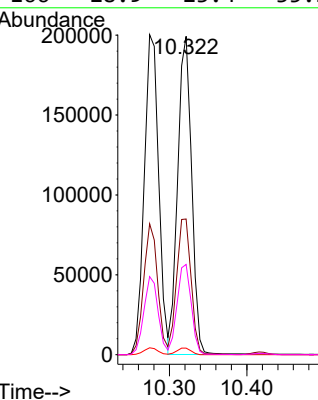
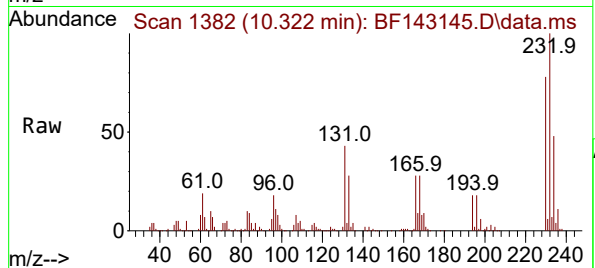




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

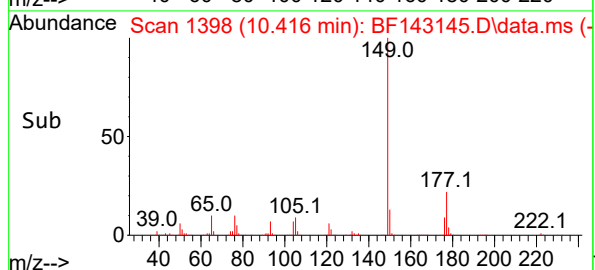
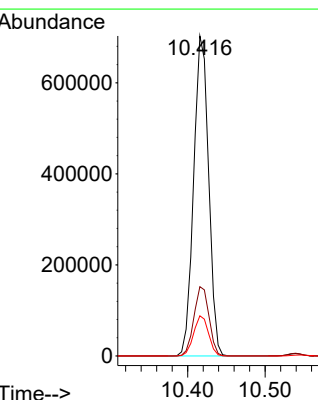
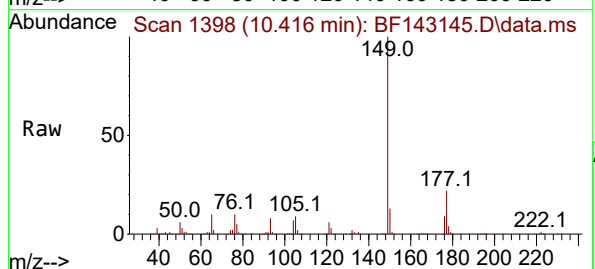
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

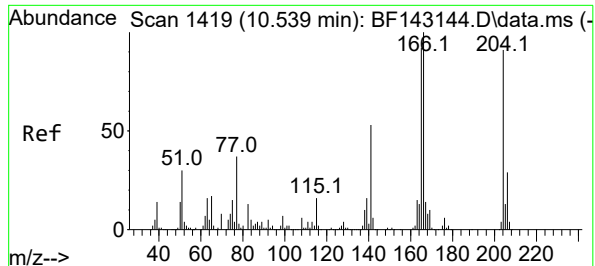
Tgt Ion:232 Resp: 248745
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 28.9 23.4 35.2



#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 942625
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.6 10.2 15.2

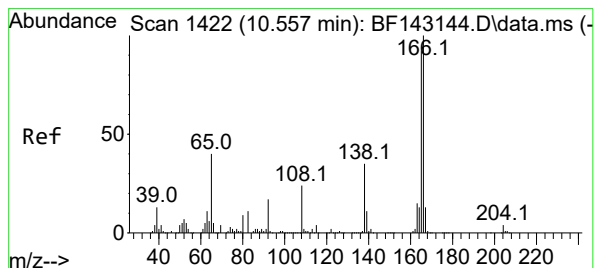
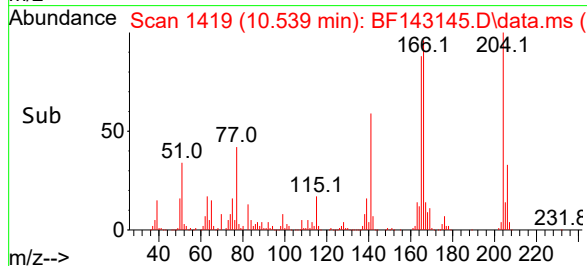
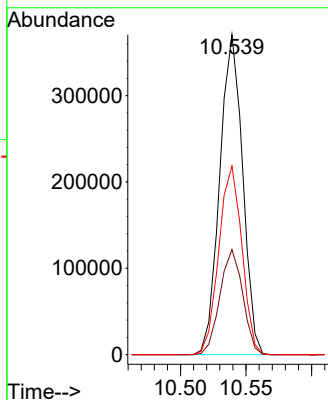
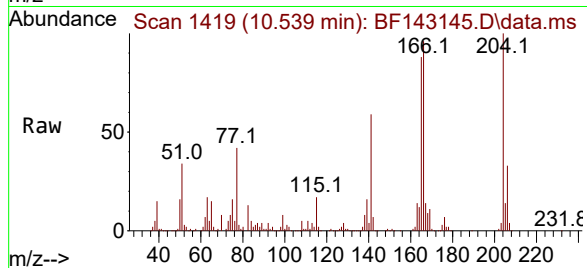




#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

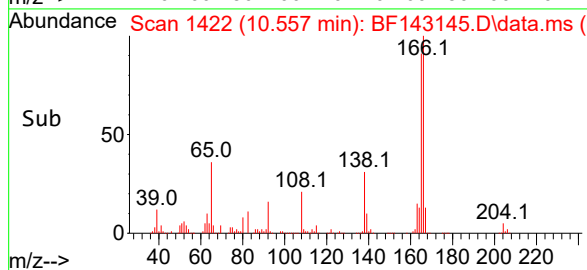
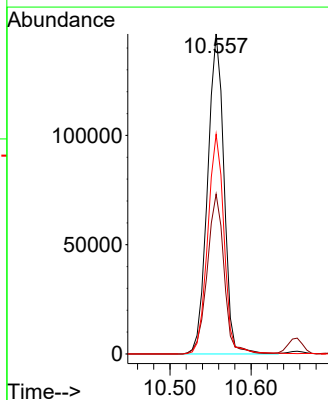
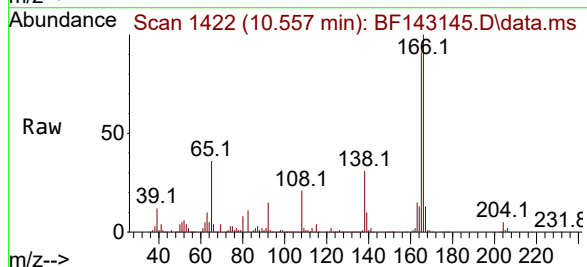
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

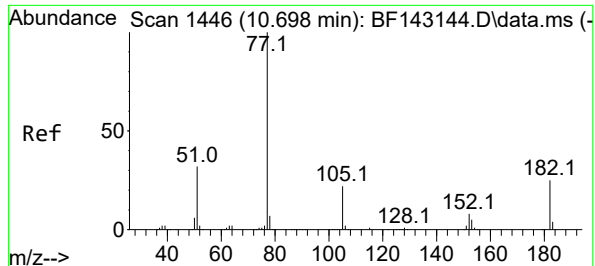
Tgt Ion:204 Resp: 449168
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 58.9 47.0 70.4



#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:138 Resp: 205210
Ion Ratio Lower Upper
138 100
92 50.0 29.3 69.3
108 68.7 48.3 88.3

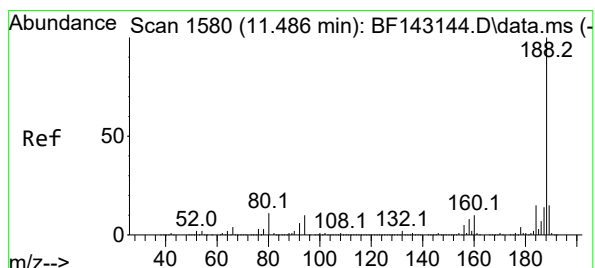
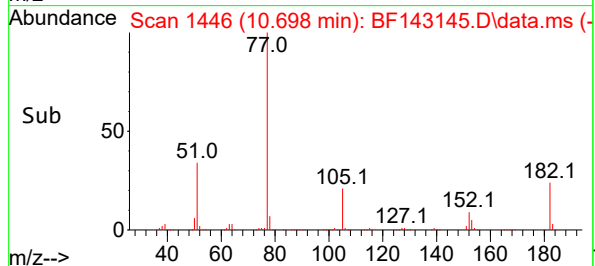
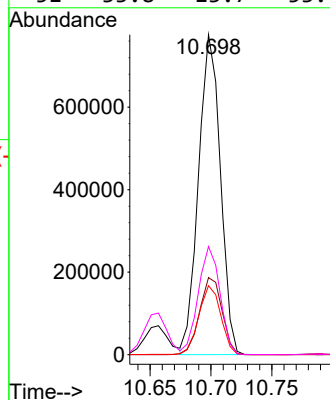
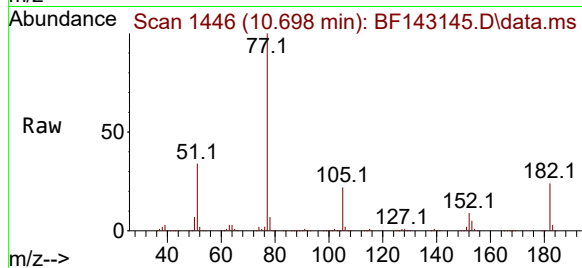




#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

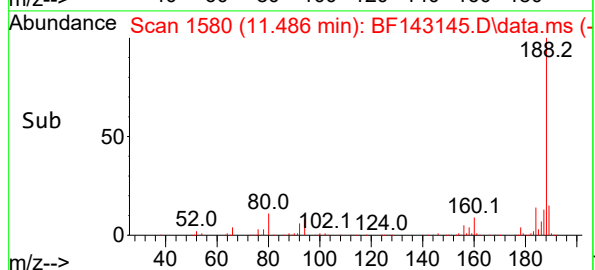
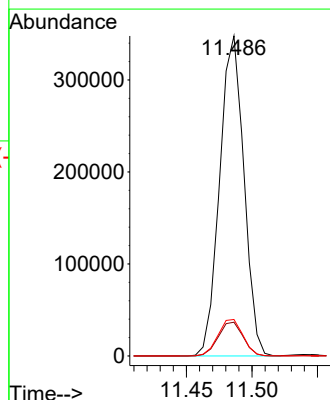
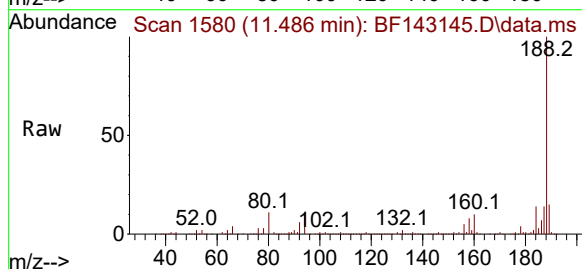
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

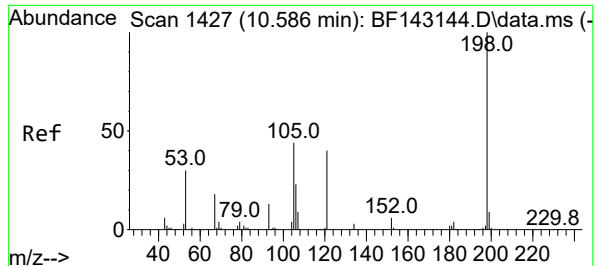
Tgt Ion:	77	Resp:	966931
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.6	44.6
105	21.6	1.4	41.4
51	33.8	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:	188	Resp:	447089
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.4	9.0	13.6

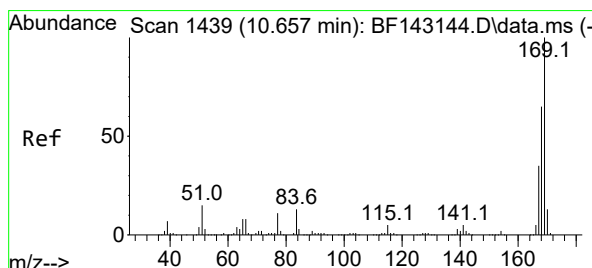
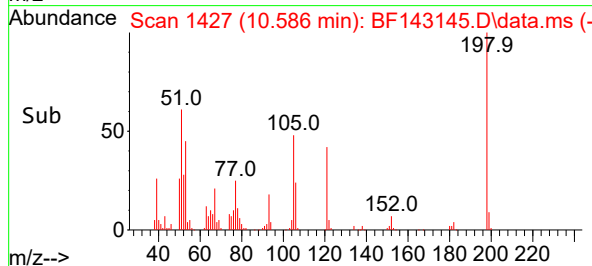
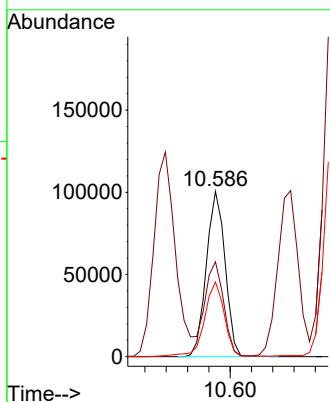
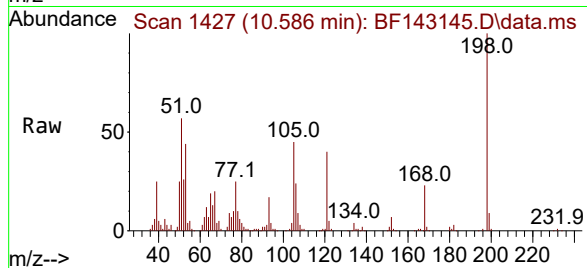




#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

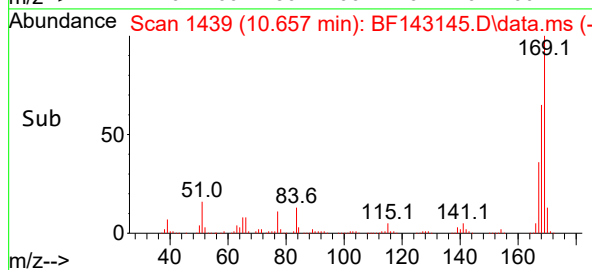
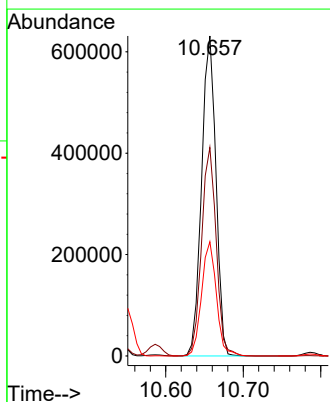
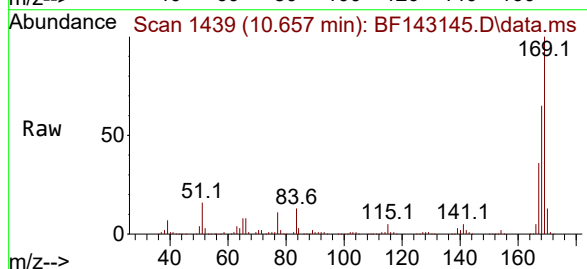
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

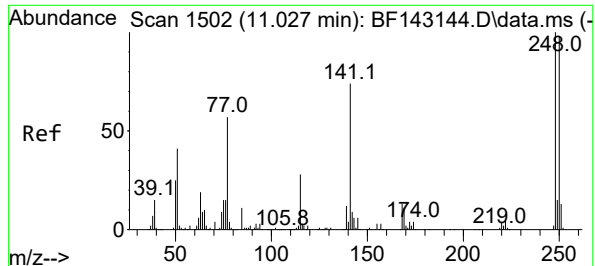
Tgt Ion:198 Resp: 122876
Ion Ratio Lower Upper
198 100
51 57.3 37.2 77.2
105 45.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:169 Resp: 811422
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.7 28.2 42.2

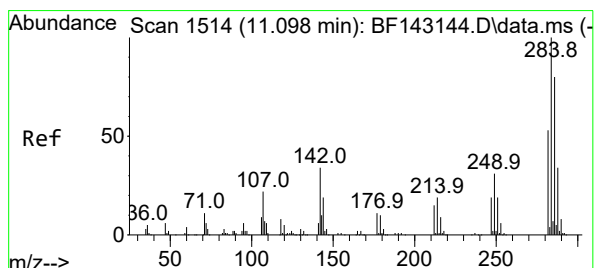
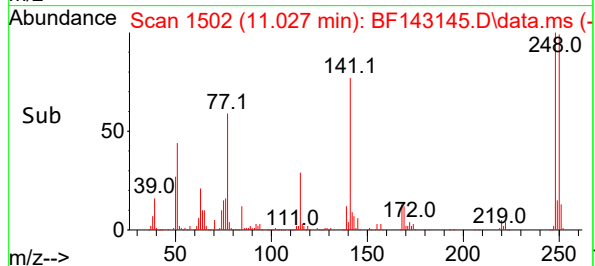
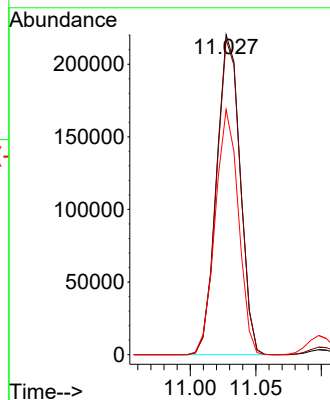
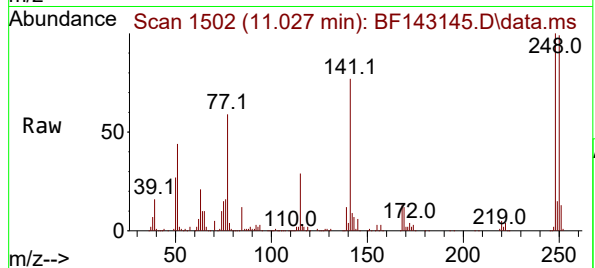




#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

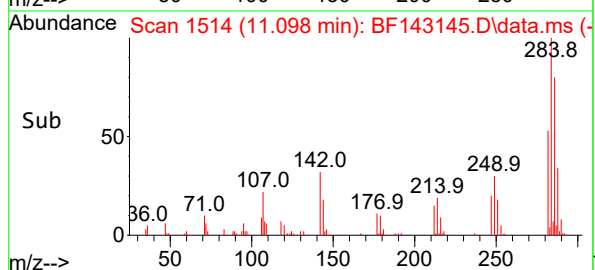
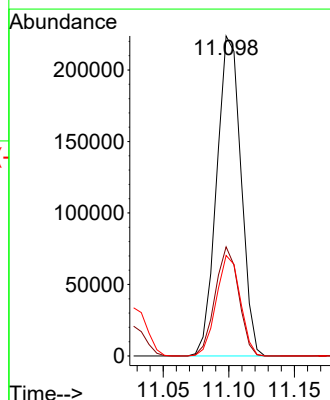
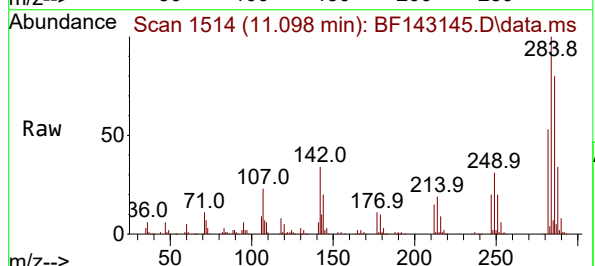
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

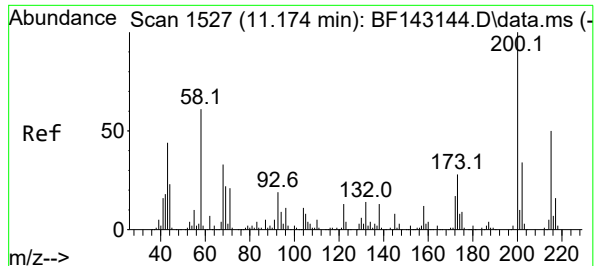
Tgt Ion:248 Resp: 275679
Ion Ratio Lower Upper
248 100
250 98.5 78.3 117.5
141 76.6 59.2 88.8



#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:284 Resp: 288405
Ion Ratio Lower Upper
284 100
142 34.1 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 53.662 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

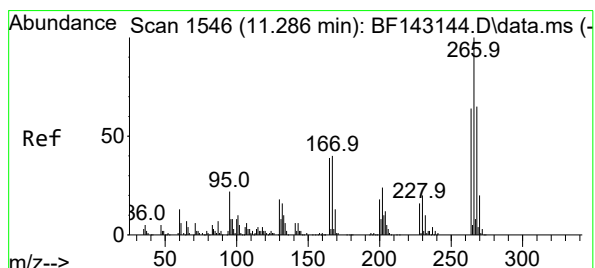
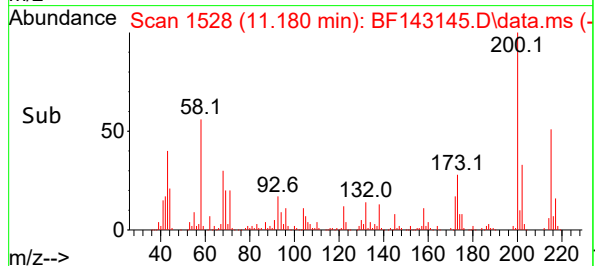
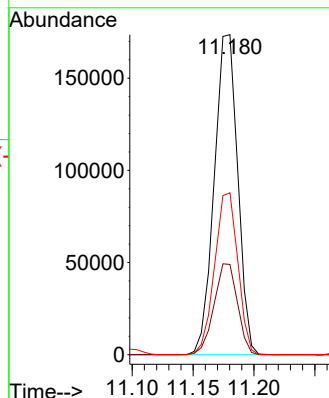
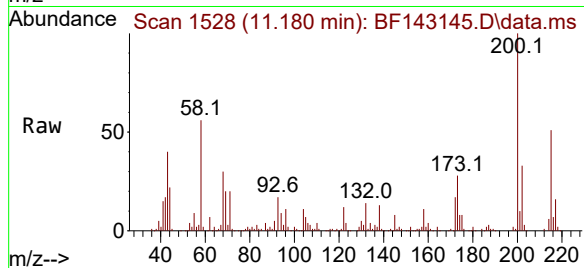
Tgt Ion:200 Resp: 232907

Ion Ratio Lower Upper

200 100

173 28.2 7.9 47.9

215 50.6 30.1 70.1



#70

Pentachlorophenol

Concen: 54.581 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

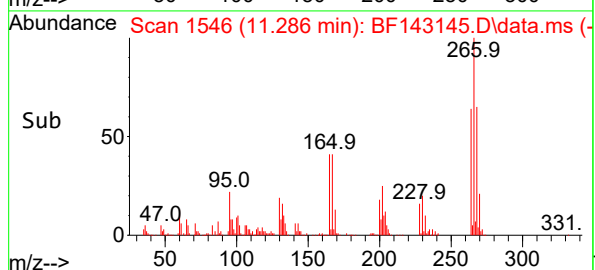
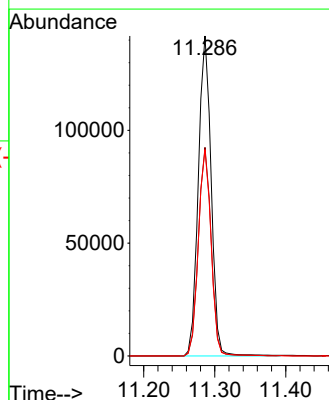
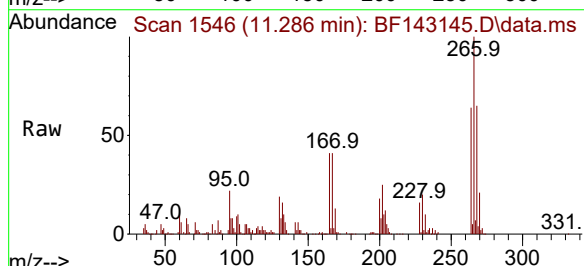
Tgt Ion:266 Resp: 178753

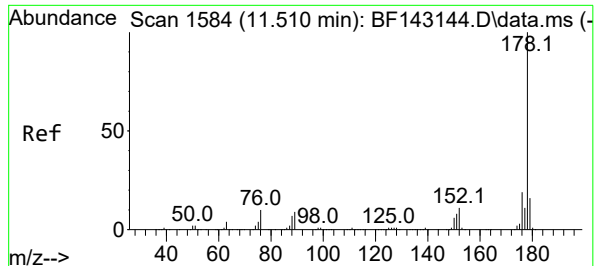
Ion Ratio Lower Upper

266 100

268 65.2 51.9 77.9

264 64.5 51.0 76.6





#71

Phenanthrene

Concen: 50.321 ng

RT: 11.510 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

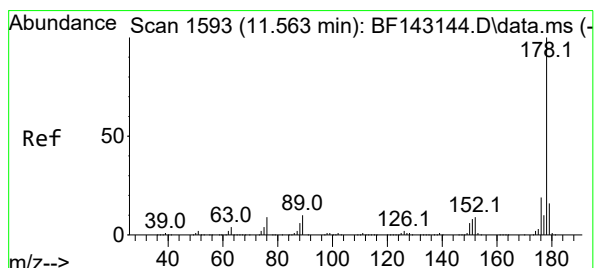
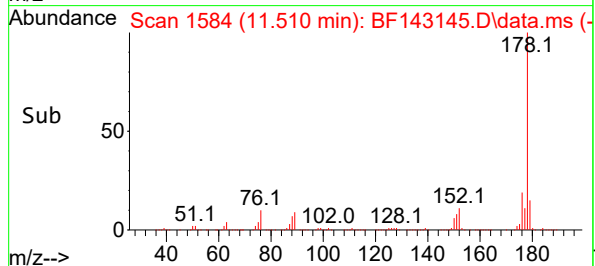
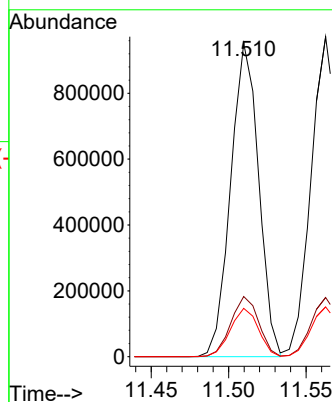
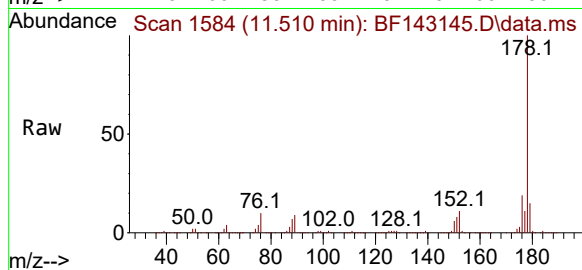
Tgt Ion:178 Resp: 1194582

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 50.552 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

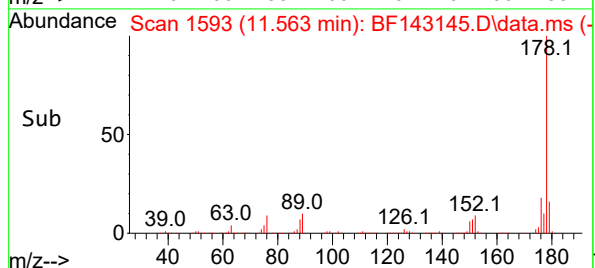
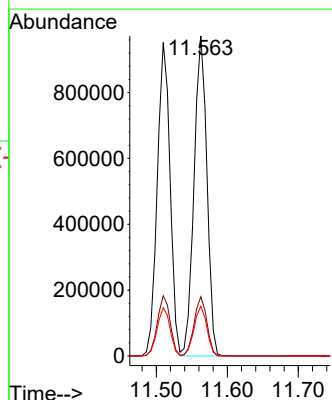
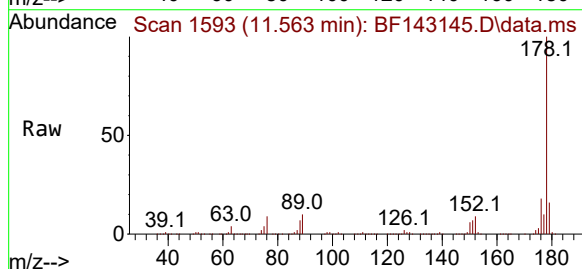
Tgt Ion:178 Resp: 1223920

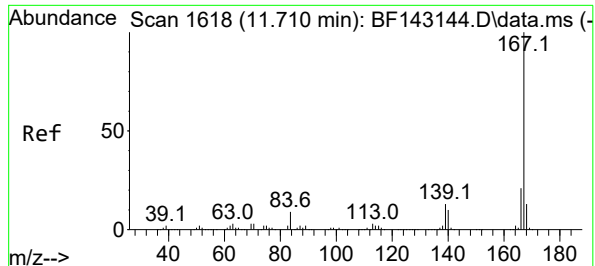
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.5 12.5 18.7

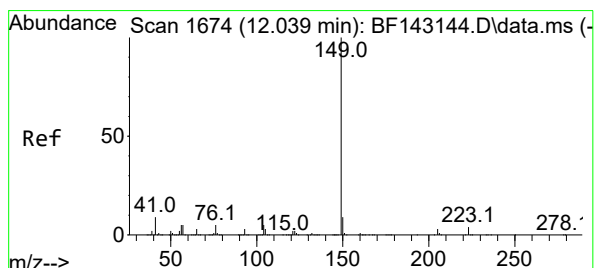
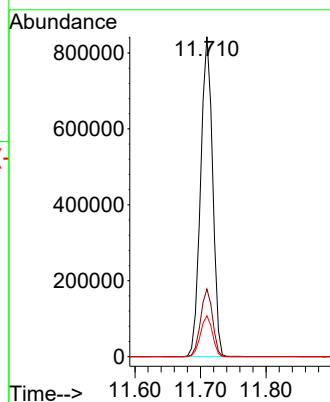
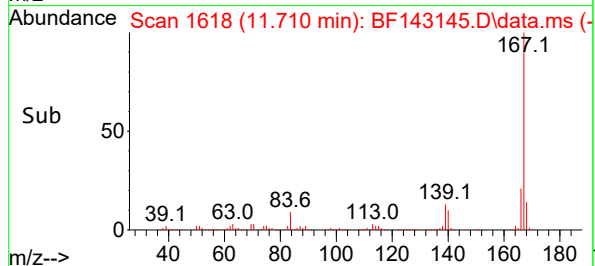
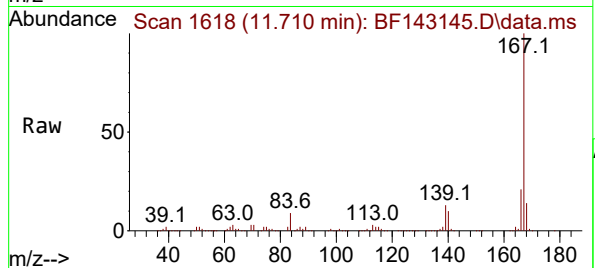




#73
Carbazole
Concen: 50.934 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

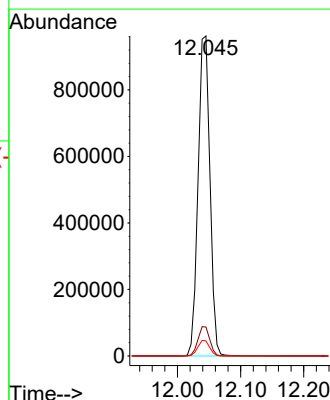
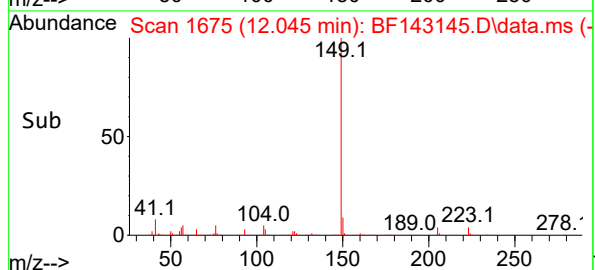
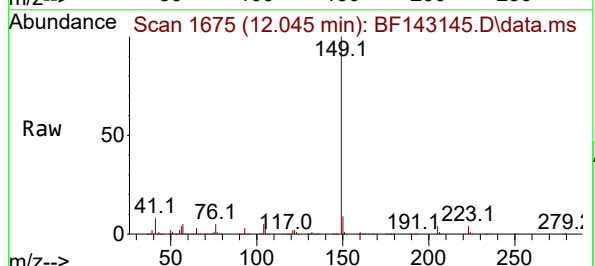
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

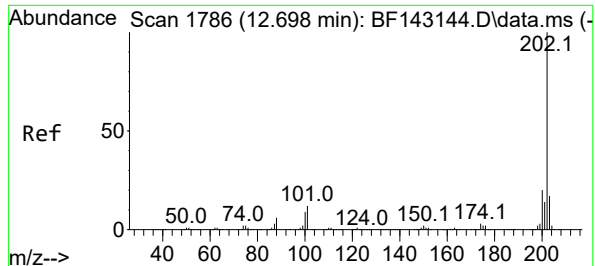
Tgt Ion:167 Resp: 1076803
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.6
139 12.8 10.0 15.0



#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 1250841
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.7 3.8 5.8

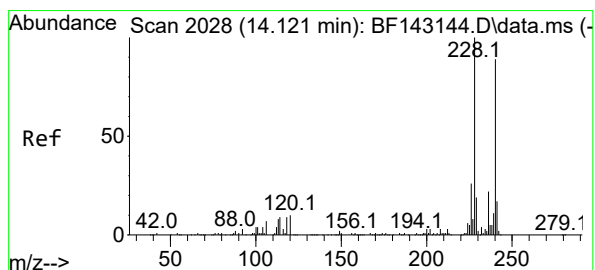
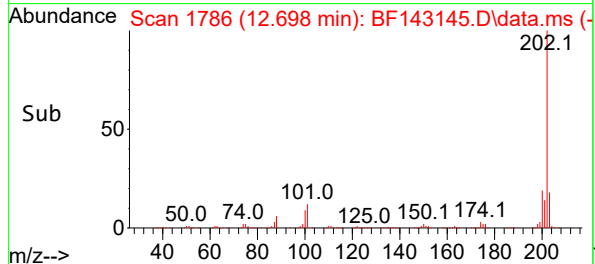
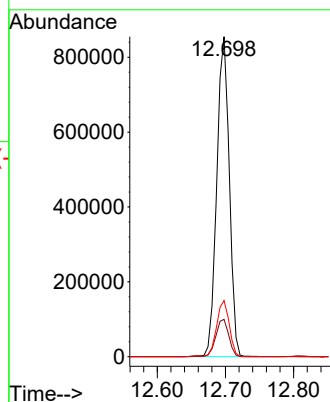
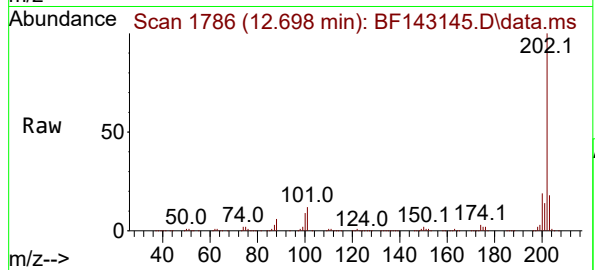




#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

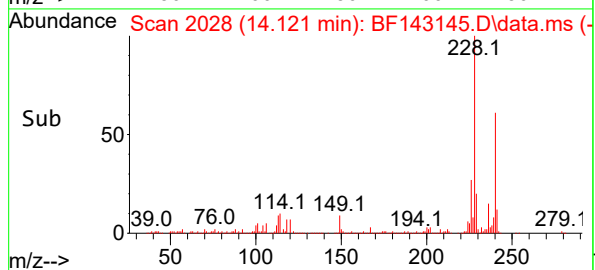
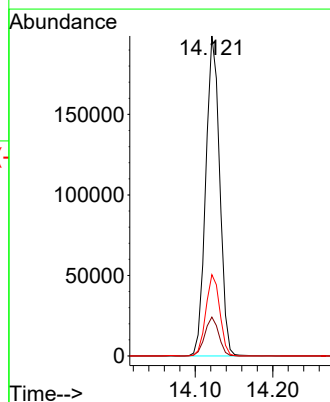
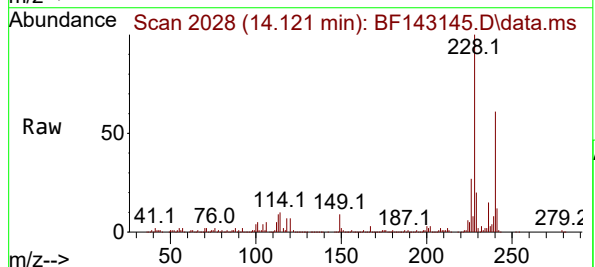
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

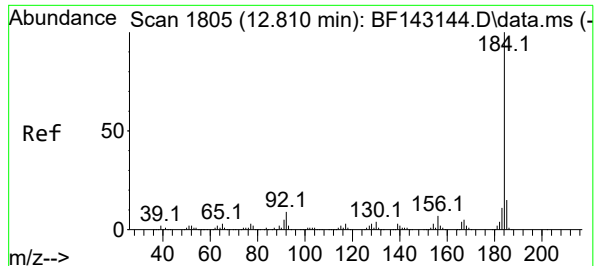
Tgt Ion:202 Resp: 1093890
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:240 Resp: 247878
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 25.4 20.2 30.4





#77

Benzidine

Concen: 45.229 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

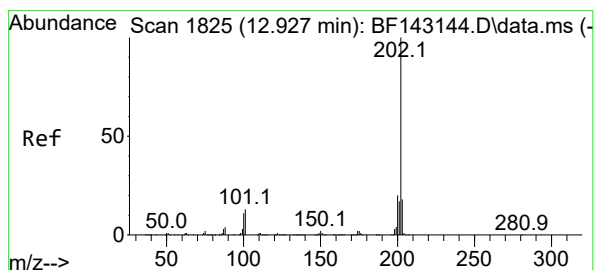
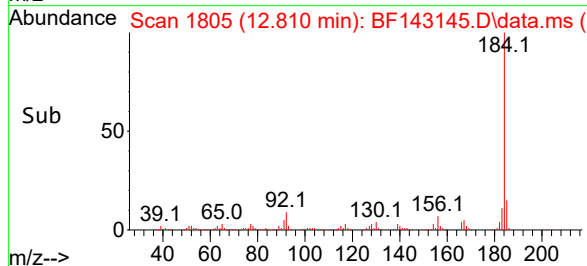
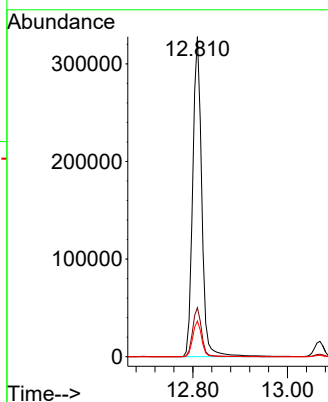
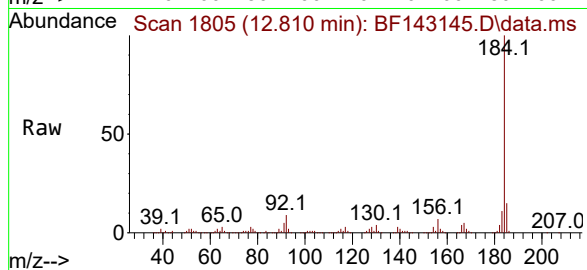
Tgt Ion:184 Resp: 431944

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.4

183 11.2 9.0 13.4



#78

Pyrene

Concen: 50.982 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

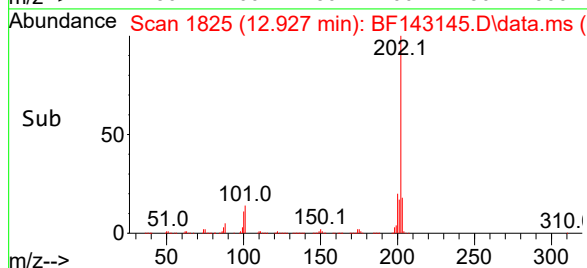
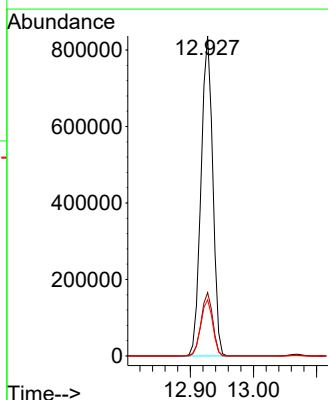
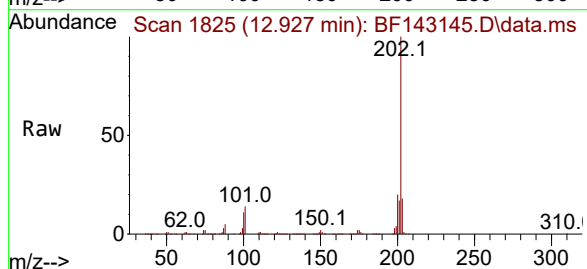
Tgt Ion:202 Resp: 1078520

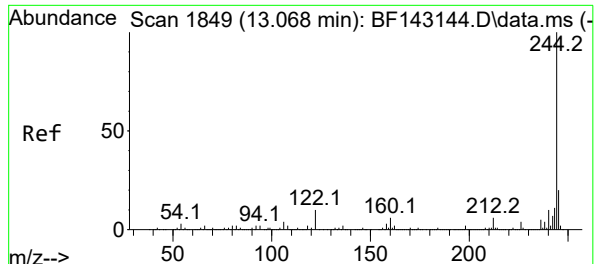
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 99.838 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

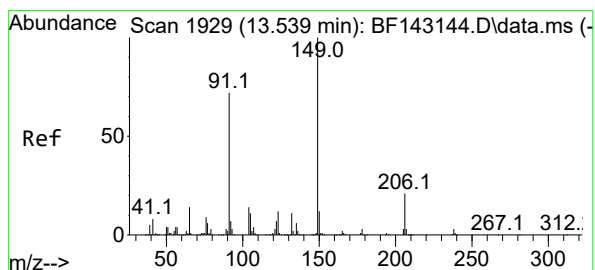
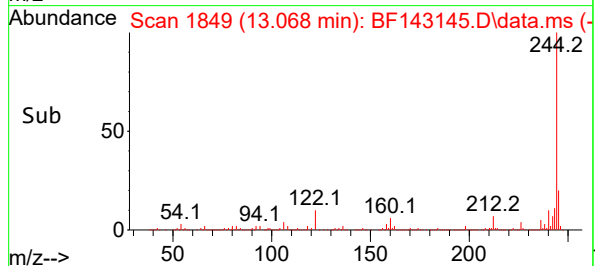
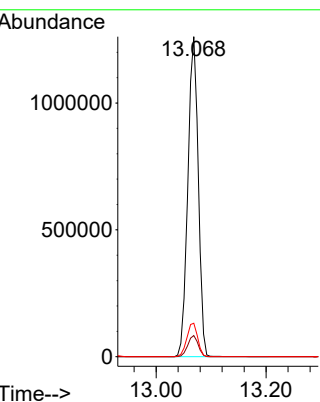
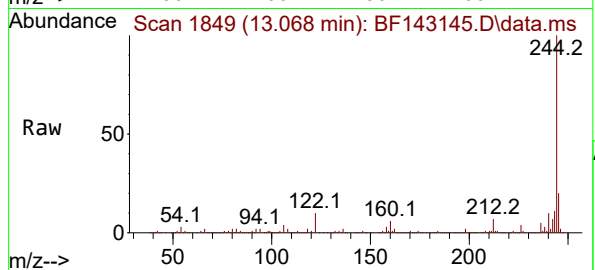
Tgt Ion:244 Resp: 1663033

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.4 8.2 12.2



#80

Butylbenzylphthalate

Concen: 55.681 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

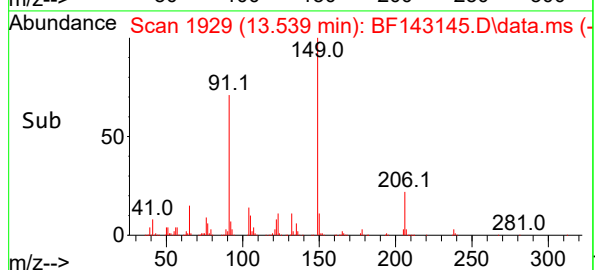
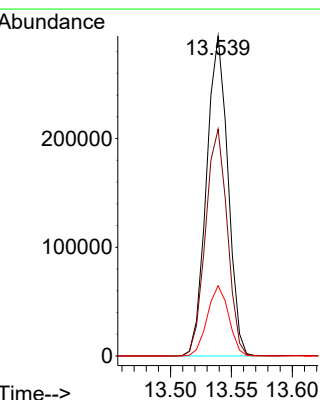
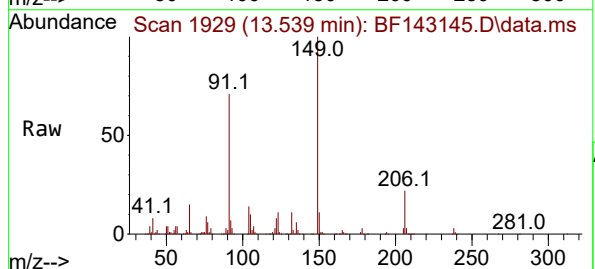
Tgt Ion:149 Resp: 360698

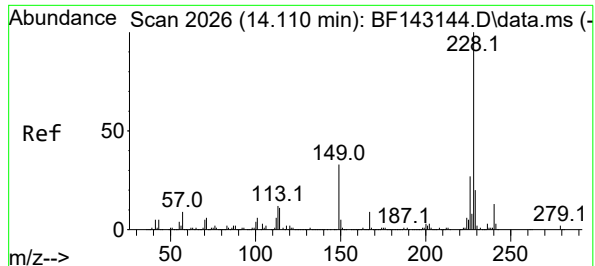
Ion Ratio Lower Upper

149 100

91 70.8 57.9 86.9

206 22.0 17.0 25.4

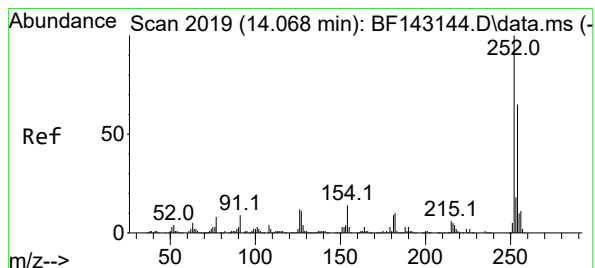
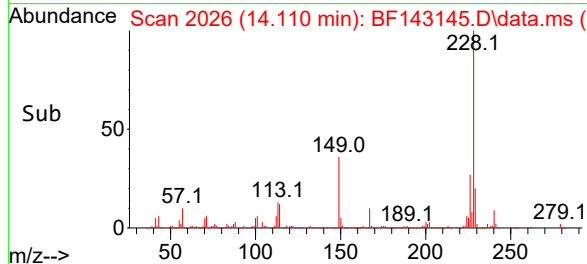
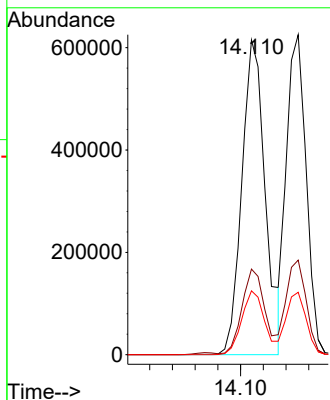
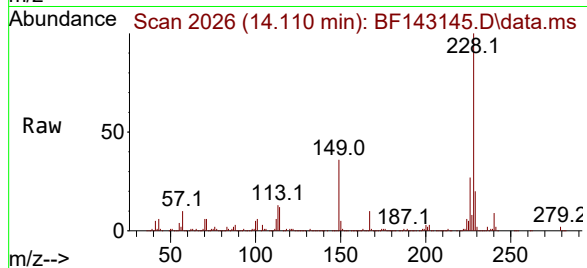




#81
Benzo(a)anthracene
Concen: 53.085 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

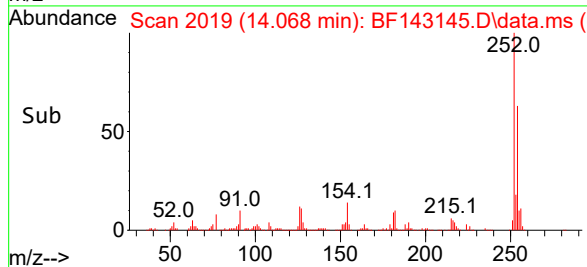
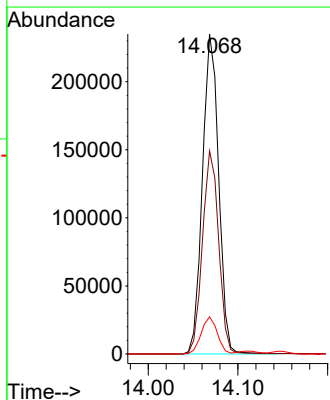
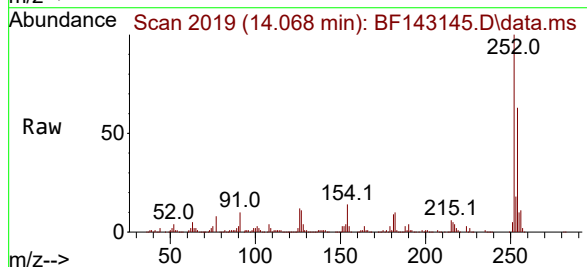
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

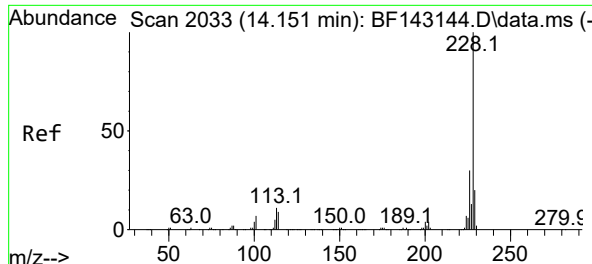
Tgt Ion:228 Resp: 880975
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 294836
Ion Ratio Lower Upper
252 100
254 63.5 51.7 77.5
126 11.6 9.4 14.0





#83

Chrysene

Concen: 50.597 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

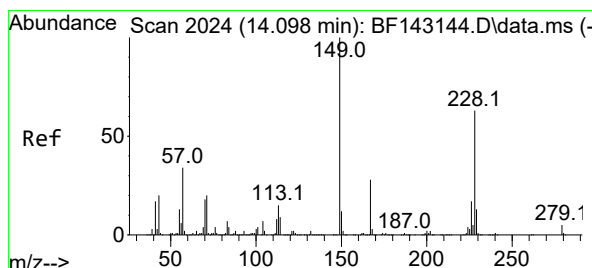
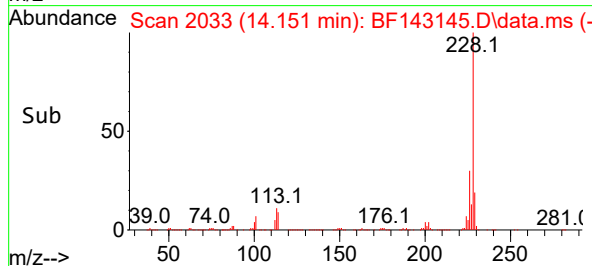
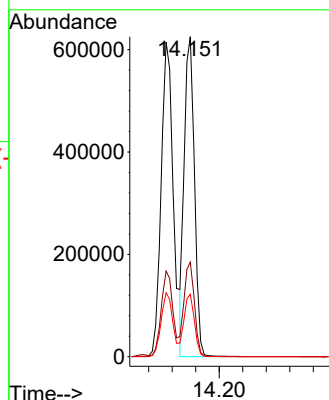
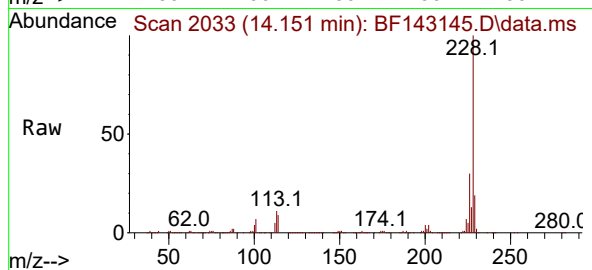
Tgt Ion:228 Resp: 754953

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.475 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

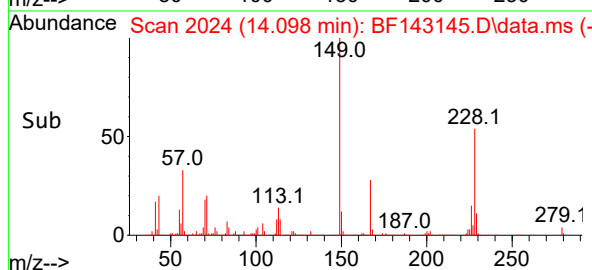
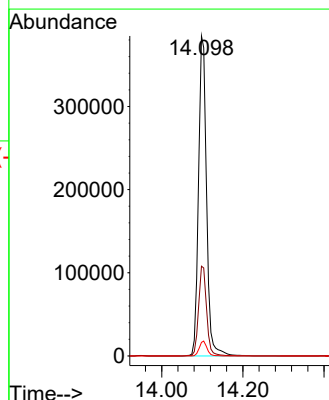
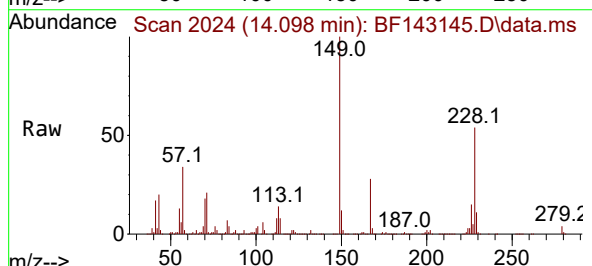
Tgt Ion:149 Resp: 534128

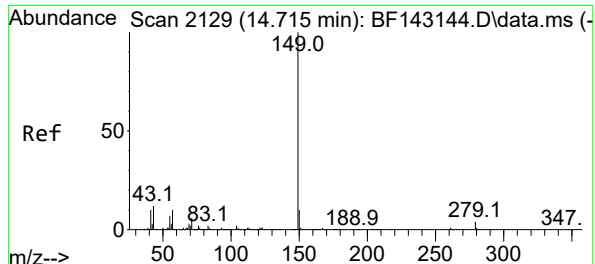
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.3 3.6 5.4

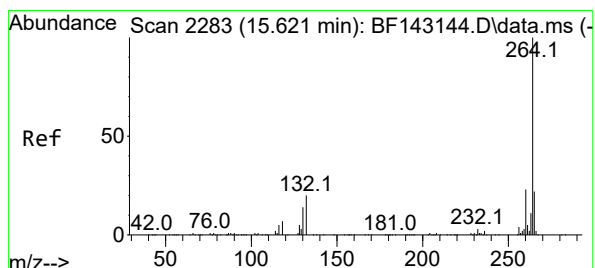
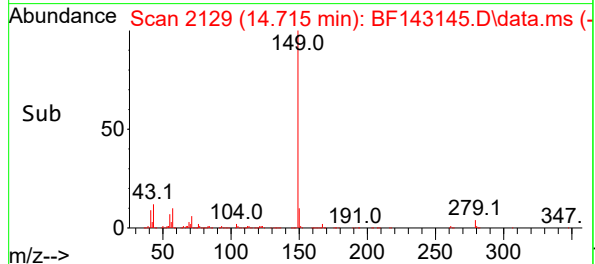
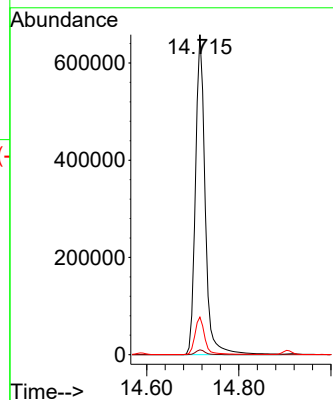
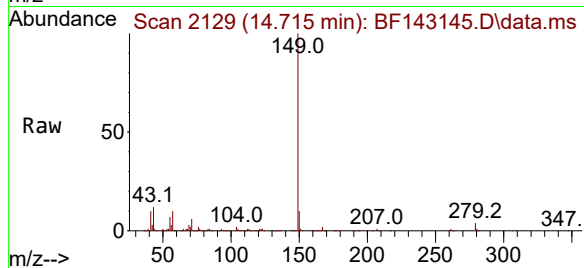




#85
Di-n-octyl phthalate
Concen: 54.032 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

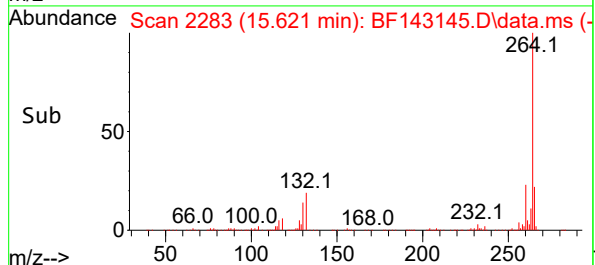
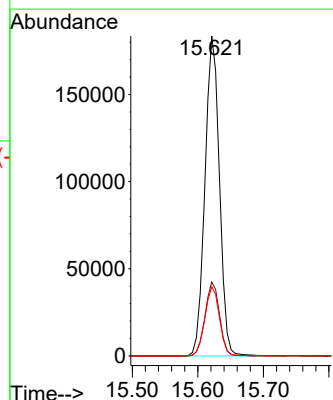
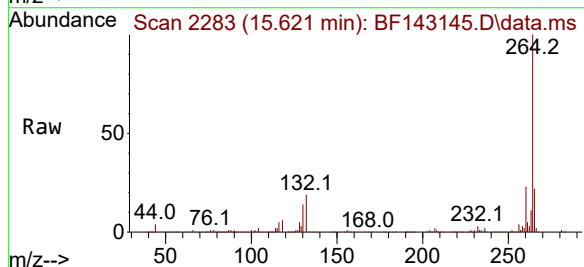
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

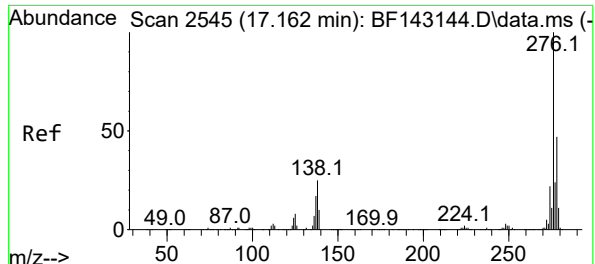
Tgt Ion:149 Resp: 960309
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.9 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:264 Resp: 282289
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.347 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

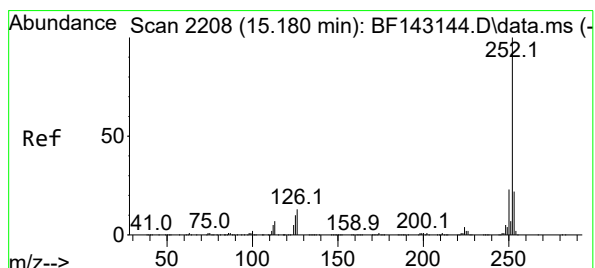
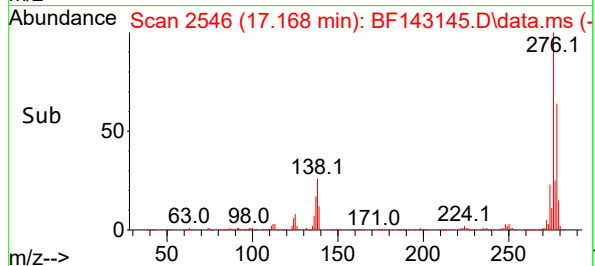
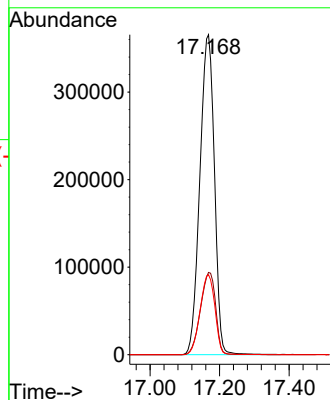
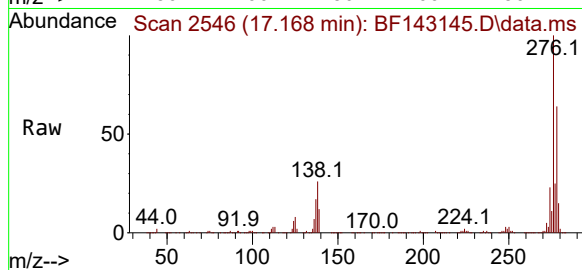
Tgt Ion:276 Resp: 1061877

Ion Ratio Lower Upper

276 100

138 26.8 21.8 32.6

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 55.319 ng

RT: 15.180 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

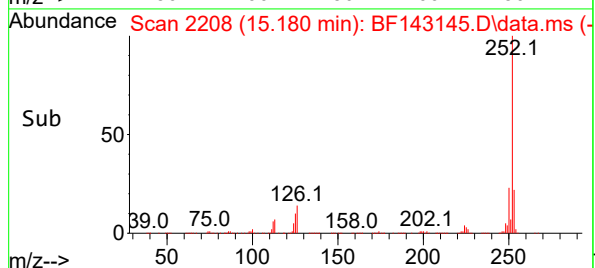
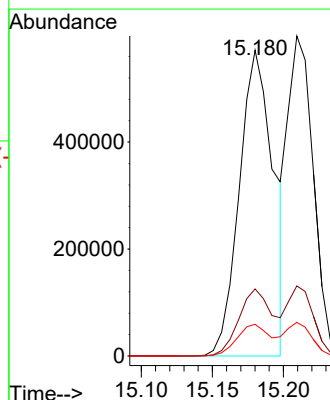
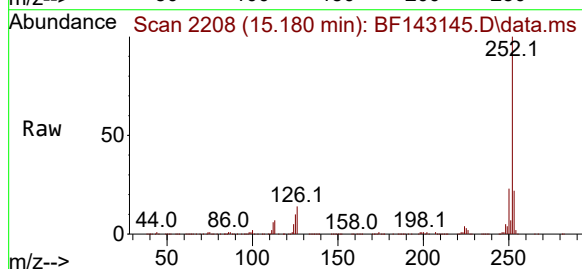
Tgt Ion:252 Resp: 953990

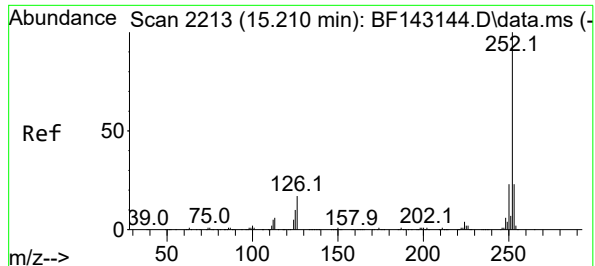
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 49.024 ng

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

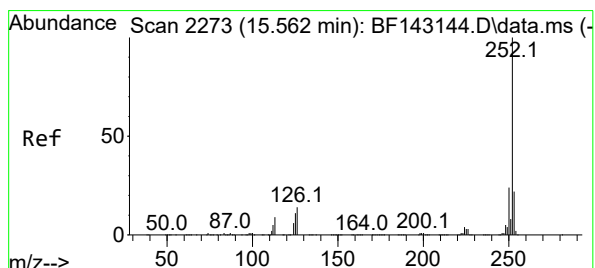
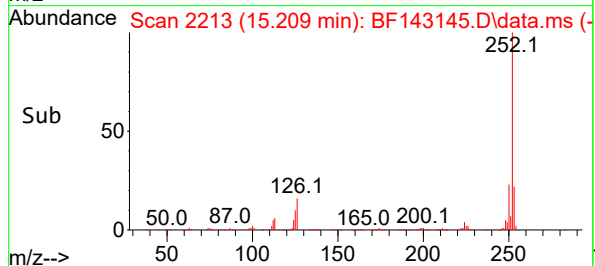
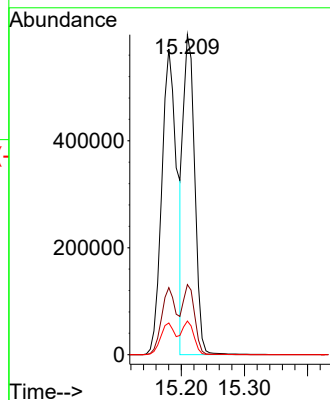
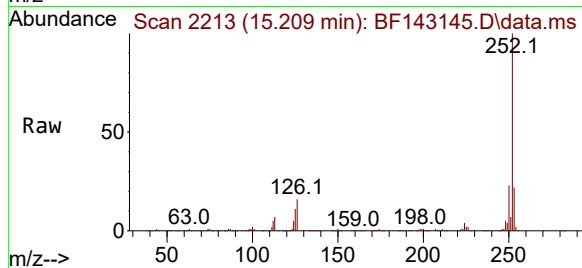
Tgt Ion:252 Resp: 754417

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.5 8.1 12.1



#90

Benzo(a)pyrene

Concen: 52.928 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

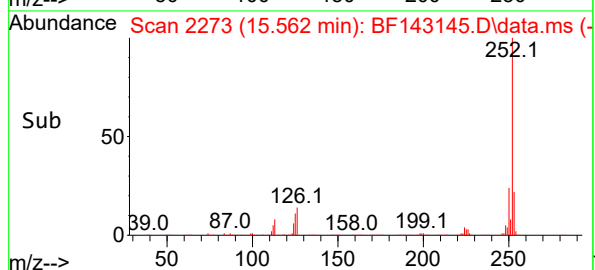
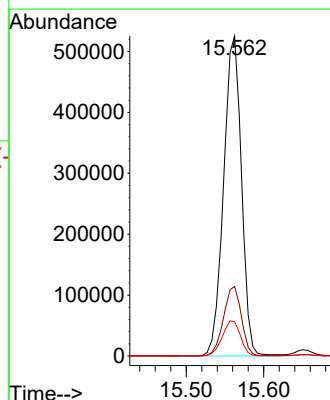
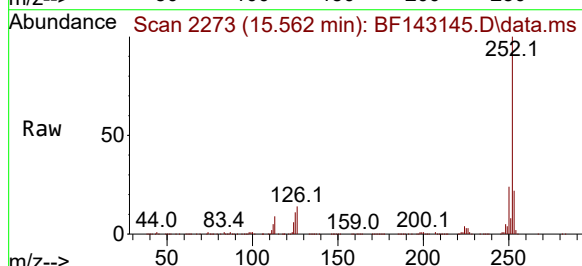
Tgt Ion:252 Resp: 840968

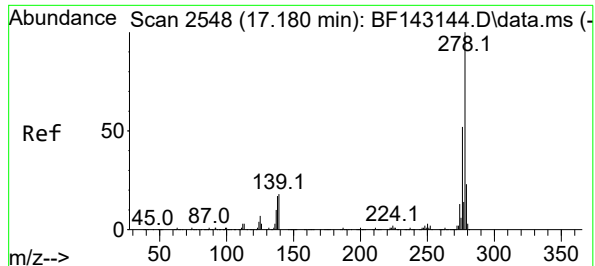
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.7 8.6 13.0

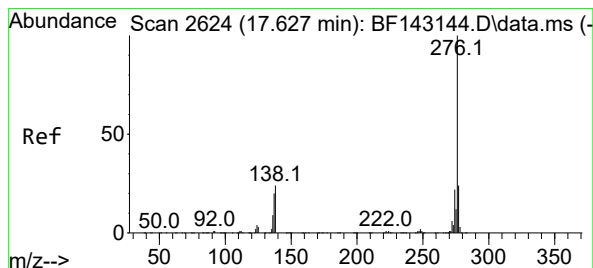
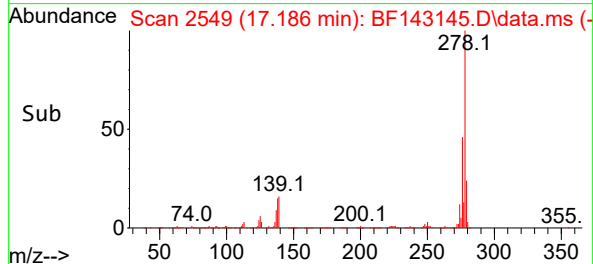
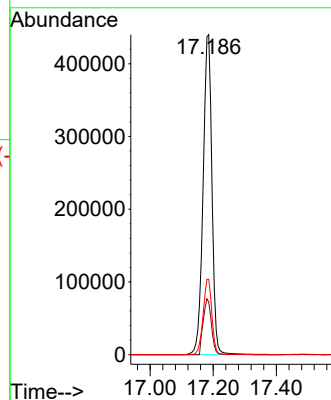
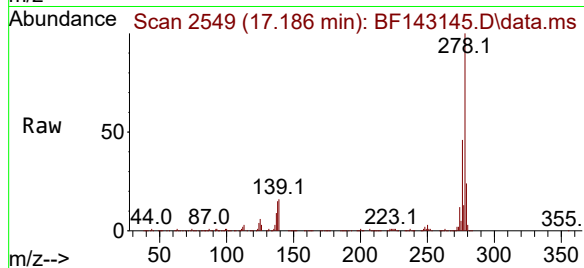




#91
Dibenzo(a,h)anthracene
Concen: 53.172 ng
RT: 17.186 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

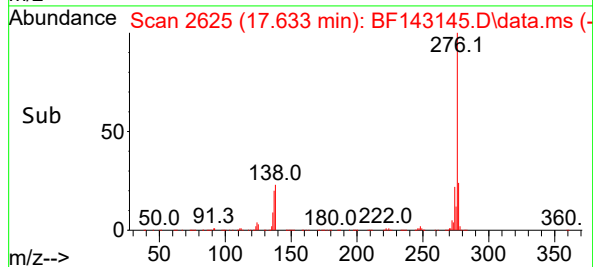
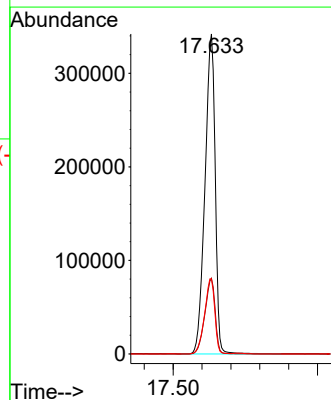
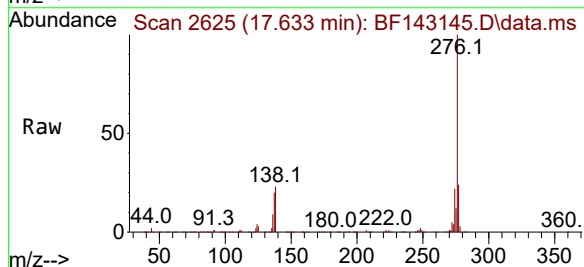
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 861467
Ion Ratio Lower Upper
278 100
139 16.5 14.1 21.1
279 23.5 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 53.845 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:276 Resp: 843865
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 23.5 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	153150	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	573541	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	286544	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	442888	20.000	ng	0.00
76) Chrysene-d12	14.121	240	264384	20.000	ng	0.00
86) Perylene-d12	15.621	264	315904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1096776	113.327	ng	0.00
7) Phenol-d6	6.587	99	1384010	113.616	ng	0.00
23) Nitrobenzene-d5	7.528	82	1367018	118.809	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	354678	119.817	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2274500	108.558	ng	0.00
79) Terphenyl-d14	13.069	244	1888544	106.298	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	268511	58.635	ng	99
3) Pyridine	3.581	79	700860	58.965	ng	99
4) n-Nitrosodimethylamine	3.534	42	369452	60.203	ng	99
6) Aniline	6.628	93	982918	57.896	ng	100
8) 2-Chlorophenol	6.751	128	589870	58.147	ng	98
9) Benzaldehyde	6.516	77	515585	56.445	ng	99
10) Phenol	6.604	94	769713m	58.002	ng	
11) bis(2-Chloroethyl)ether	6.698	93	588491	57.918	ng	99
12) 1,3-Dichlorobenzene	6.910	146	625605	56.769	ng	99
13) 1,4-Dichlorobenzene	6.981	146	623375	56.171	ng	98
14) 1,2-Dichlorobenzene	7.140	146	598571	56.708	ng	99
15) Benzyl Alcohol	7.098	79	548155	58.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1076628	57.120	ng	98
17) 2-Methylphenol	7.210	107	498077	58.393	ng	99
18) Hexachloroethane	7.481	117	225488	58.691	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	437750	56.012	ng	100
20) 3+4-Methylphenols	7.363	107	582354	56.273	ng	96
22) Acetophenone	7.375	105	760969	56.041	ng	99
24) Nitrobenzene	7.545	77	641832	59.832	ng	99
25) Isophorone	7.787	82	1202506	59.202	ng	99
26) 2-Nitrophenol	7.857	139	304218	65.345	ng	97
27) 2,4-Dimethylphenol	7.892	122	548823	57.833	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	696403	57.184	ng	99
29) 2,4-Dichlorophenol	8.098	162	466809	58.329	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	498478	57.653	ng	99
31) Naphthalene	8.269	128	1575696	55.784	ng	99
32) Benzoic acid	8.010	122	321703	58.961	ng	99
33) 4-Chloroaniline	8.310	127	659467	57.178	ng	99
34) Hexachlorobutadiene	8.392	225	307552	58.230	ng	99
35) Caprolactam	8.692	113	145894	60.327	ng	100
36) 4-Chloro-3-methylphenol	8.787	107	506142	58.186	ng	99
37) 2-Methylnaphthalene	8.957	142	966031	56.203	ng	99
38) 1-Methylnaphthalene	9.057	142	997009	56.329	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	479450	57.955	ng	99
41) Hexachlorocyclopentadiene	9.116	237	337833	62.761	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	344941	60.246	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

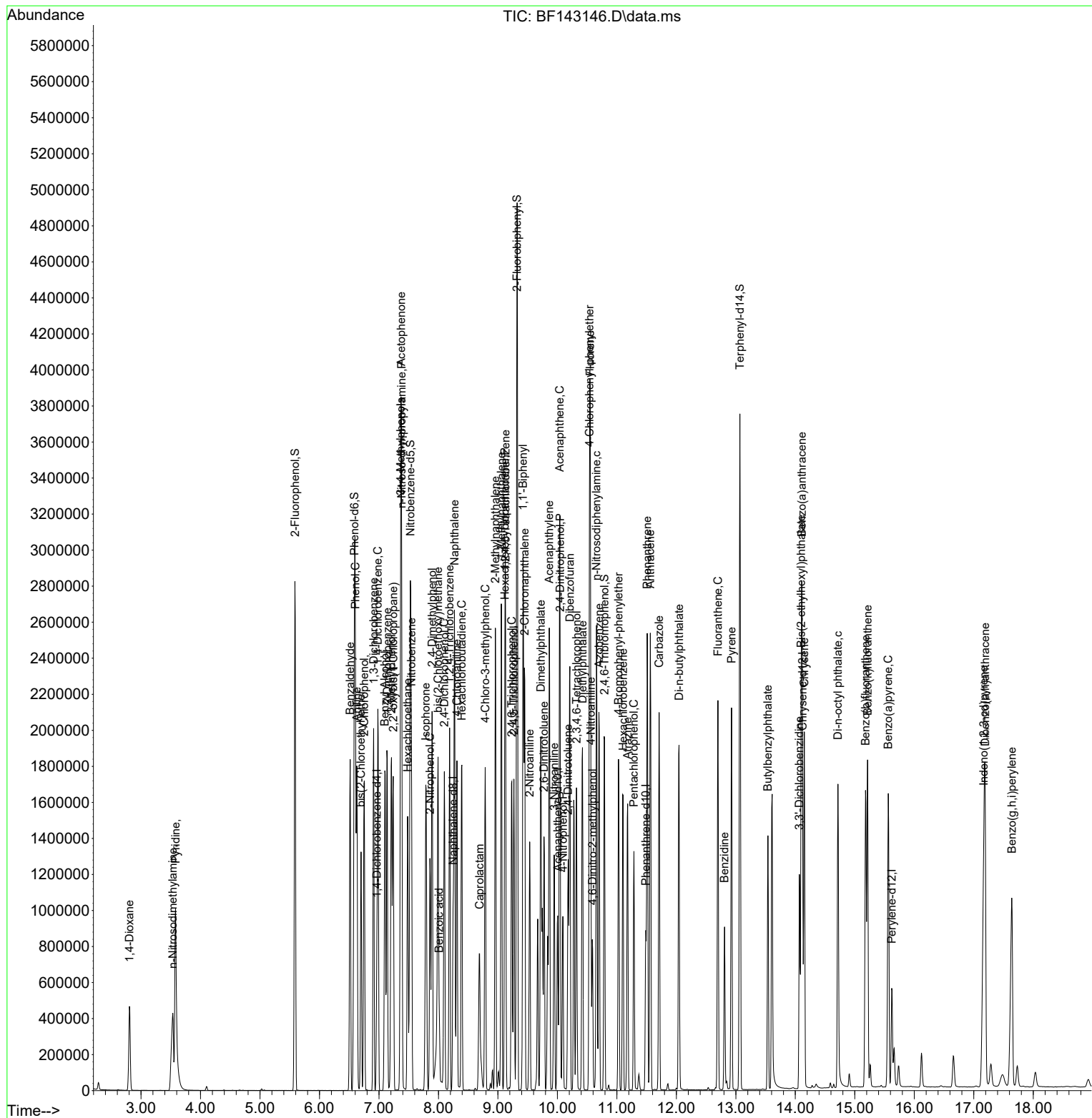
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	339656	59.305	ng	99
46) 1,1'-Biphenyl	9.422	154	1265588	56.610	ng	100
47) 2-Chloronaphthalene	9.451	162	948912	57.364	ng	100
48) 2-Nitroaniline	9.534	65	331501	63.904	ng	99
49) Acenaphthylene	9.863	152	1576240	56.860	ng	100
50) Dimethylphthalate	9.722	163	1075052	57.558	ng	100
51) 2,6-Dinitrotoluene	9.775	165	238103	62.665	ng	97
52) Acenaphthene	10.039	154	930883	56.814	ng	98
53) 3-Nitroaniline	9.945	138	273506	61.542	ng	100
54) 2,4-Dinitrophenol	10.045	184	101491	60.690	ng	72
55) Dibenzofuran	10.210	168	1364531	56.093	ng	100
56) 4-Nitrophenol	10.092	139	203477	61.312	ng	99
57) 2,4-Dinitrotoluene	10.181	165	304460	63.868	ng	97
58) Fluorene	10.551	166	997710	54.647	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	283124	59.678	ng	99
60) Diethylphthalate	10.422	149	1057851	57.301	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	516980	56.867	ng	99
62) 4-Nitroaniline	10.563	138	232488	61.037	ng	98
63) Azobenzene	10.698	77	1098772	57.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	144751	60.728	ng	98
66) n-Nitrosodiphenylamine	10.657	169	910468	58.380	ng	98
67) 4-Bromophenyl-phenylether	11.028	248	318085	60.266	ng	99
68) Hexachlorobenzene	11.104	284	325779	59.054	ng	96
69) Atrazine	11.181	200	262374	61.024	ng	100
70) Pentachlorophenol	11.286	266	206417	63.625	ng	98
71) Phenanthrene	11.510	178	1331485	56.620	ng	100
72) Anthracene	11.563	178	1379601	57.522	ng	100
73) Carbazole	11.710	167	1194026	57.015	ng	100
74) Di-n-butylphthalate	12.045	149	1392335	58.757	ng	100
75) Fluoranthene	12.698	202	1232952	57.122	ng	99
77) Benzidine	12.810	184	476553	46.785	ng	100
78) Pyrene	12.927	202	1207978	53.536	ng	99
80) Butylbenzylphthalate	13.539	149	441334	63.875	ng	99
81) Benzo(a)anthracene	14.110	228	1041236	58.825	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	348979	59.155	ng	100
83) Chrysene	14.151	228	930545	58.472	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	655482	62.678	ng	100
85) Di-n-octyl phthalate	14.716	149	1196044	63.095	ng	100
87) Indeno(1,2,3-cd)pyrene	17.168	276	1337361	60.037	ng	99
88) Benzo(b)fluoranthene	15.180	252	1125667	58.328	ng	100
89) Benzo(k)fluoranthene	15.216	252	1023132	59.411	ng	99
90) Benzo(a)pyrene	15.563	252	1062049	59.730	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	1080768	59.610	ng	98
92) Benzo(g,h,i)perylene	17.639	276	1055168	60.163	ng	99

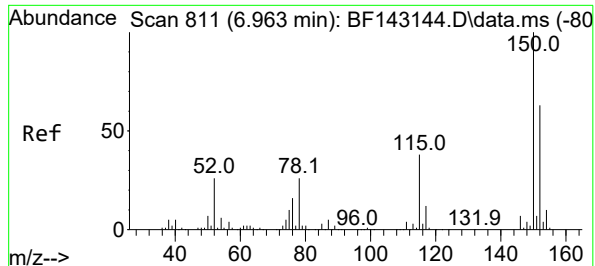
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF143146.D  
Acq On    : 17 Jul 2025  14:04  
Operator  : RC/JU  
Sample    : SSTDICC060  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

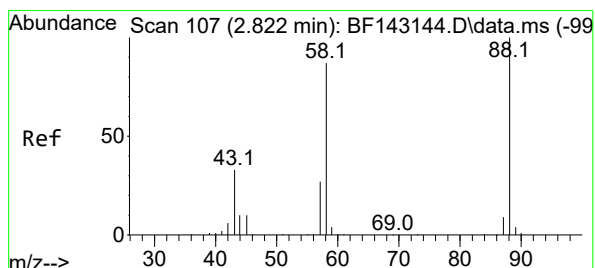
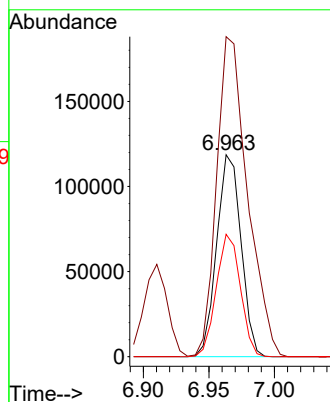
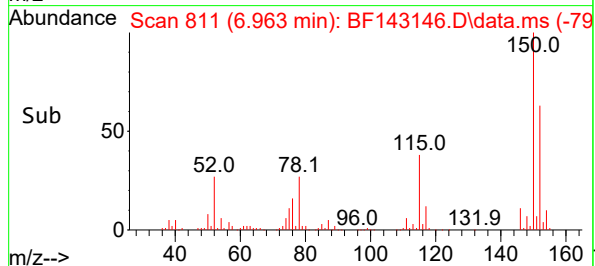
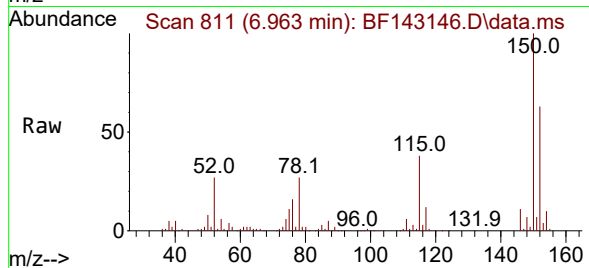




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

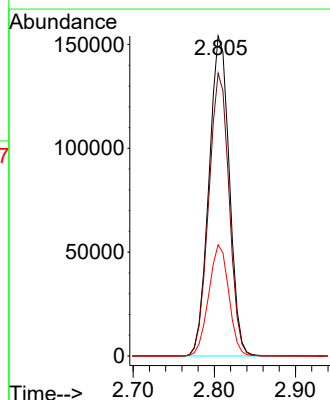
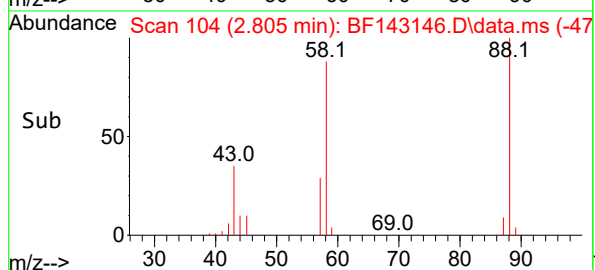
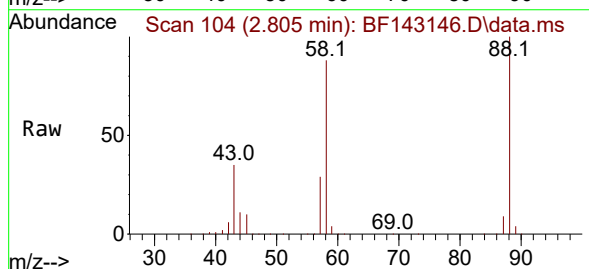
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

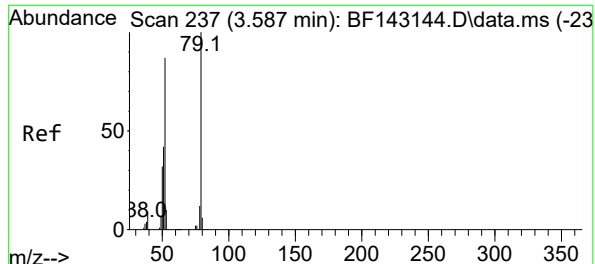
Tgt Ion:152 Resp: 153150
Ion Ratio Lower Upper
152 100
150 158.5 128.2 192.4
115 60.7 47.9 71.9



#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 88 Resp: 268511
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.2
43 34.2 27.1 40.7

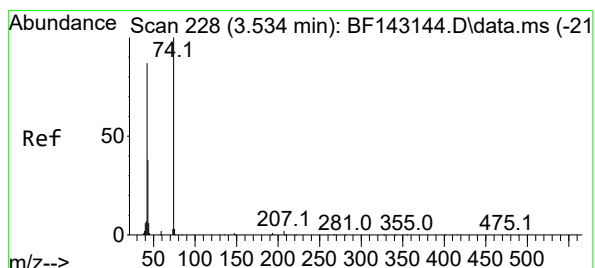
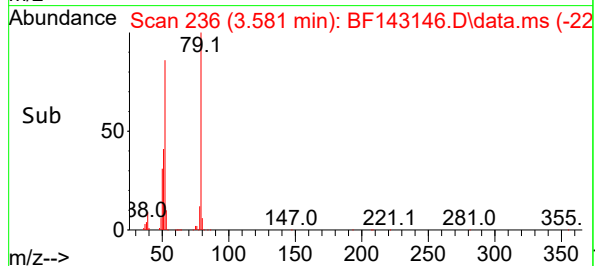
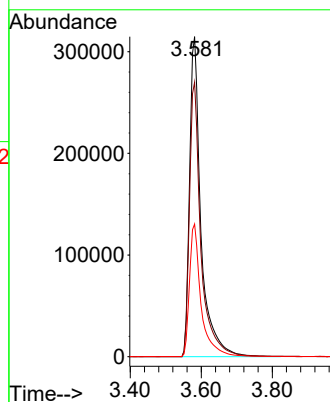
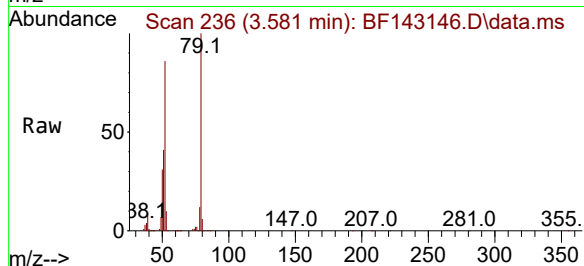




#3
Pyridine
Concen: 58.965 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

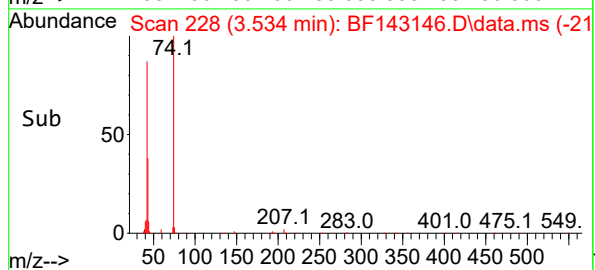
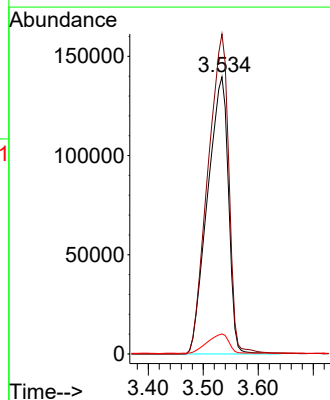
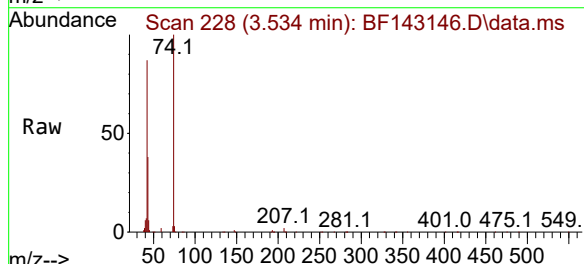
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

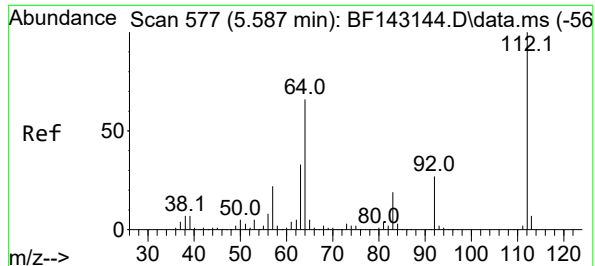
Tgt Ion: 79 Resp: 700860
Ion Ratio Lower Upper
79 100
52 85.7 69.4 104.2
51 41.4 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 42 Resp: 369452
Ion Ratio Lower Upper
42 100
74 115.5 91.7 137.5
44 7.2 5.6 8.4





#5

2-Fluorophenol

Concen: 113.327 ng

RT: 5.587 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

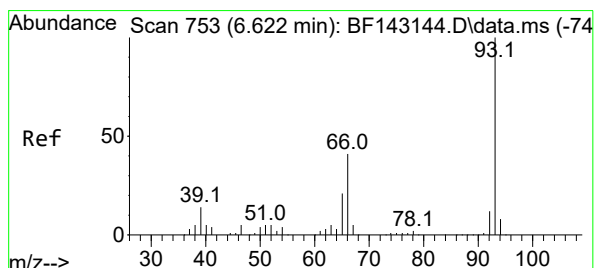
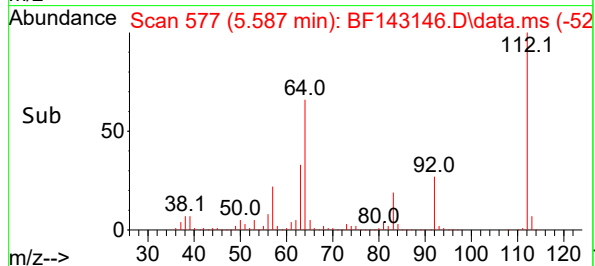
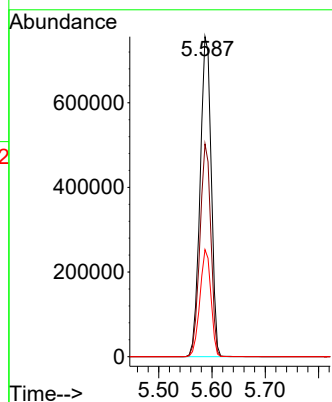
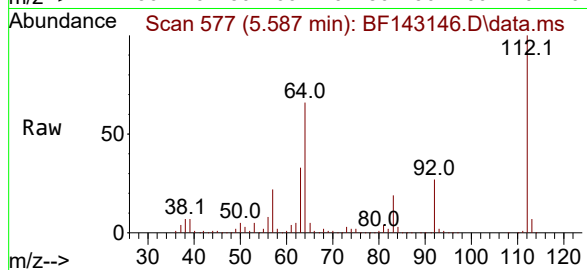
Tgt Ion:112 Resp: 1096776

Ion Ratio Lower Upper

112 100

64 66.5 53.1 79.7

63 33.4 26.6 40.0



#6

Aniline

Concen: 57.896 ng

RT: 6.628 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

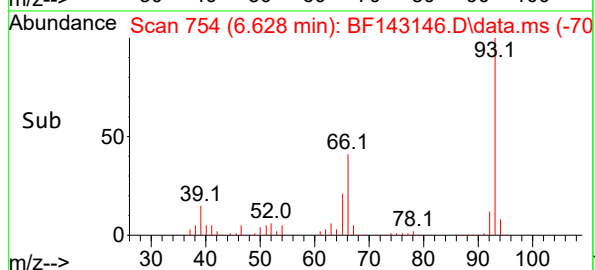
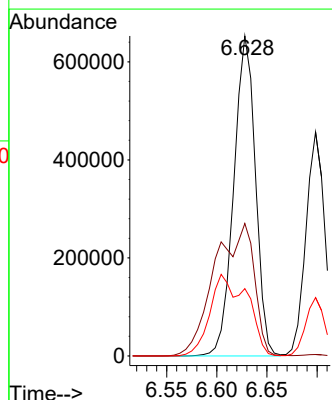
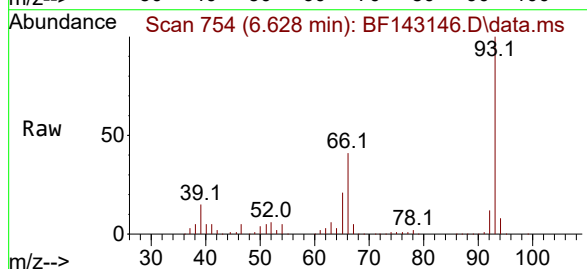
Tgt Ion: 93 Resp: 982918

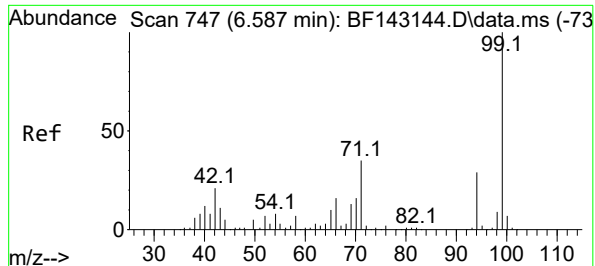
Ion Ratio Lower Upper

93 100

66 41.4 33.2 49.8

65 21.0 16.9 25.3





#7

Phenol-d6

Concen: 113.616 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

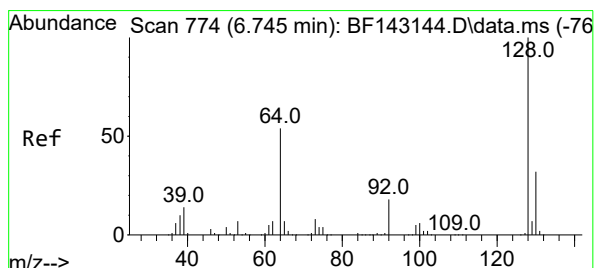
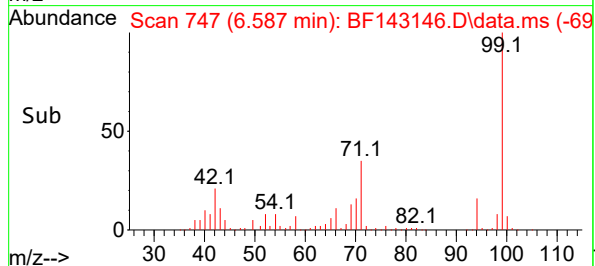
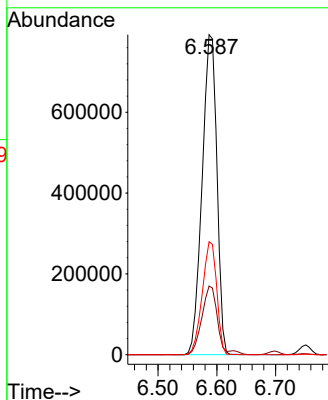
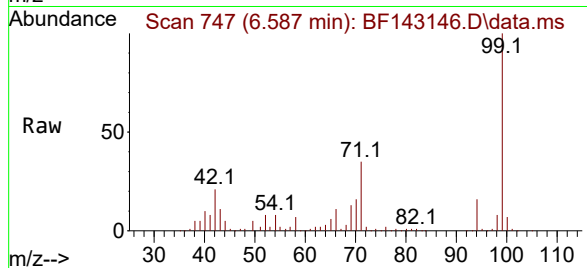
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1384010

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	35.3	27.7	41.5



#8

2-Chlorophenol

Concen: 58.147 ng

RT: 6.751 min Scan# 775

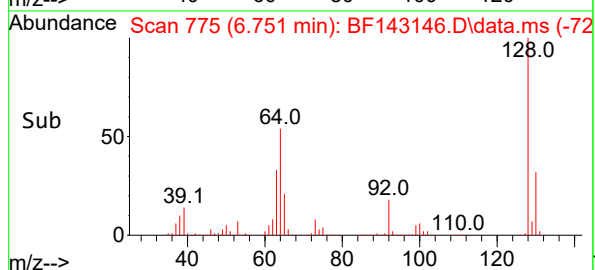
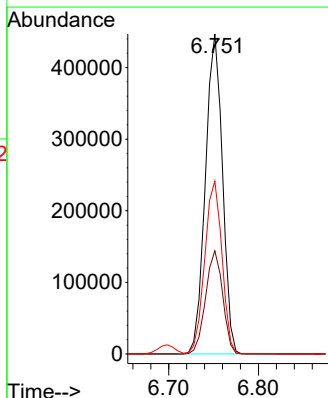
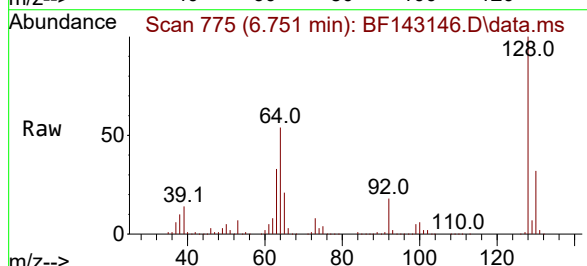
Delta R.T. 0.006 min

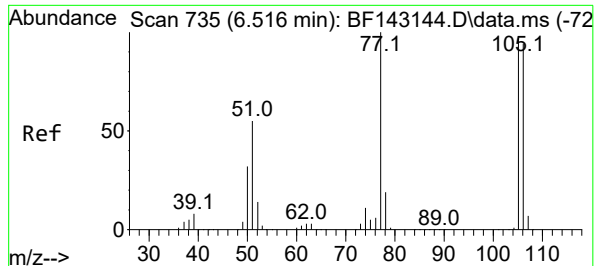
Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:128 Resp: 589870

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	54.0	35.9	75.9

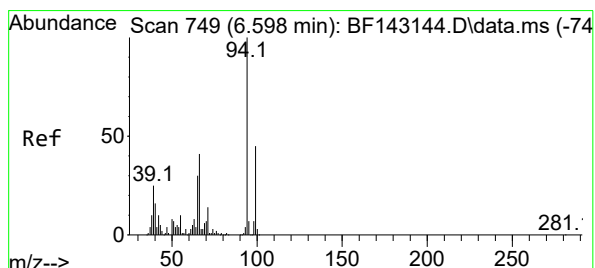
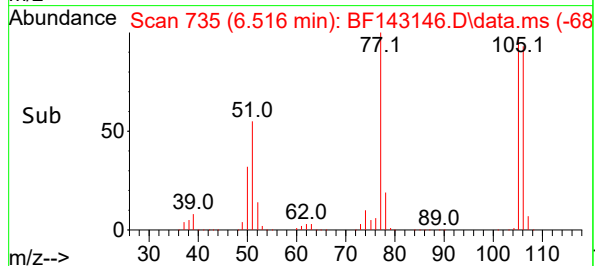
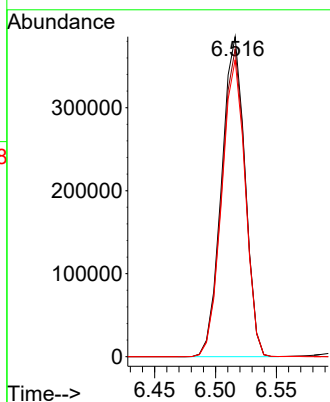
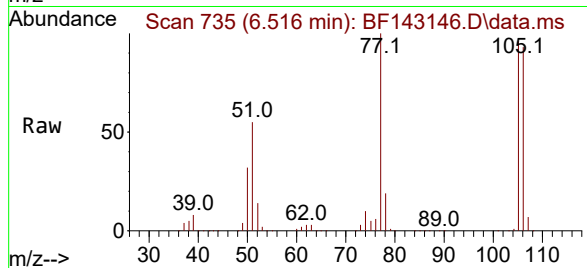




#9
Benzaldehyde
Concen: 56.445 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

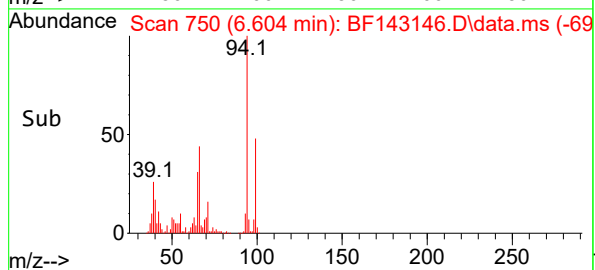
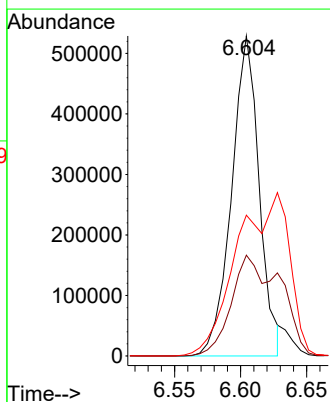
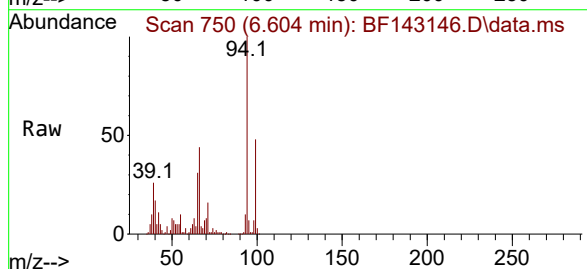
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

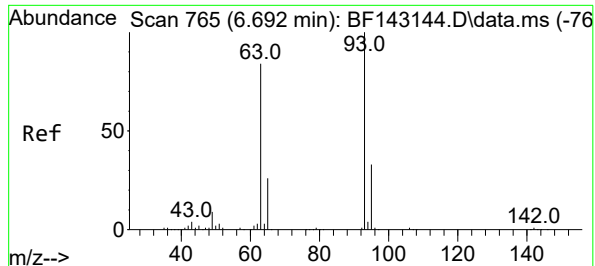
Tgt Ion: 77 Resp: 515585
Ion Ratio Lower Upper
77 100
105 96.1 76.8 116.8
106 92.7 74.4 114.4



#10
Phenol
Concen: 58.002 ng m
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 94 Resp: 769713
Ion Ratio Lower Upper
94 100
65 31.5 10.0 50.0
66 44.0 20.8 60.8

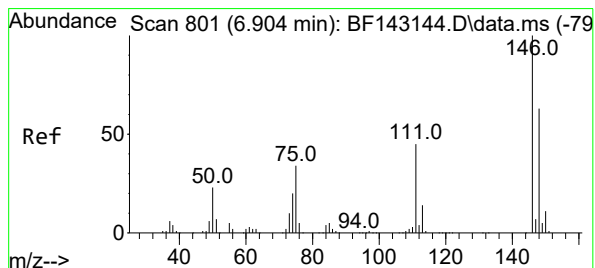
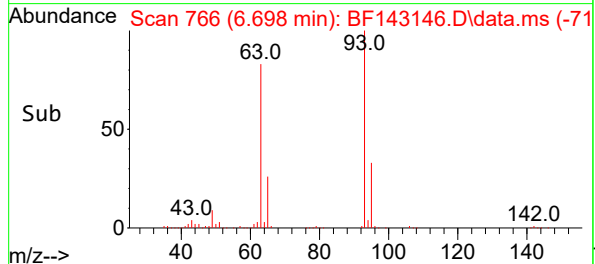
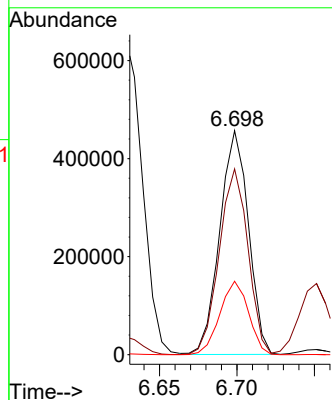
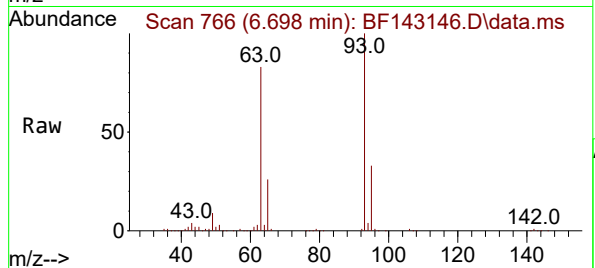




#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

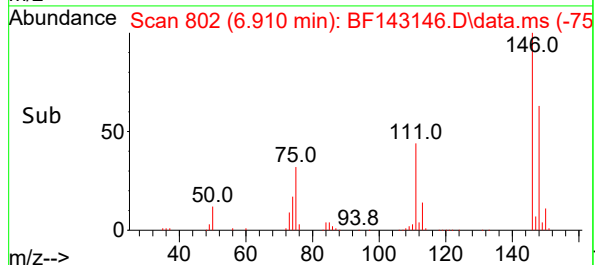
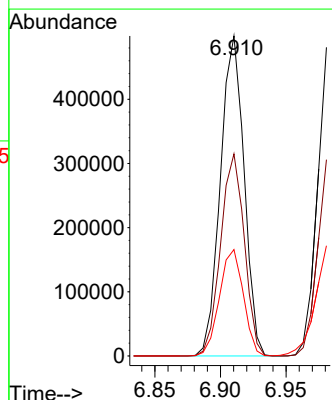
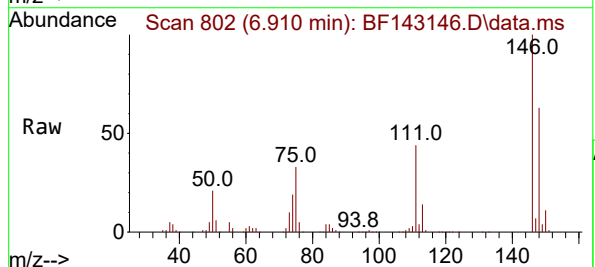
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

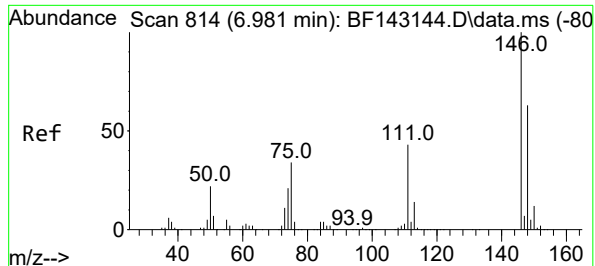
Tgt Ion: 93 Resp: 588491
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 625605
Ion Ratio Lower Upper
146 100
148 63.1 50.6 76.0
75 33.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 56.171 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

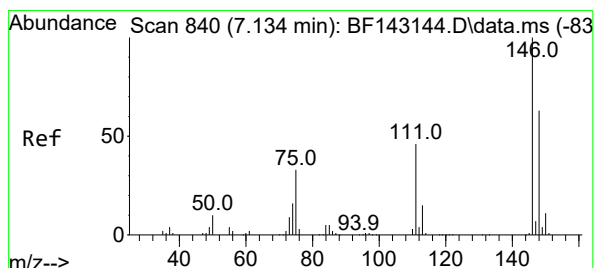
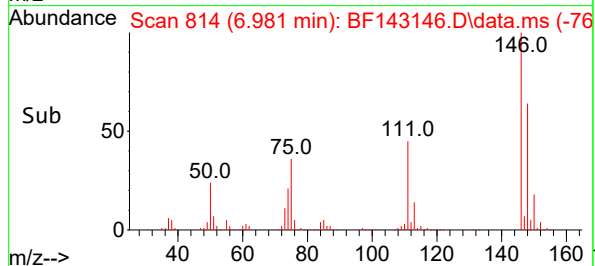
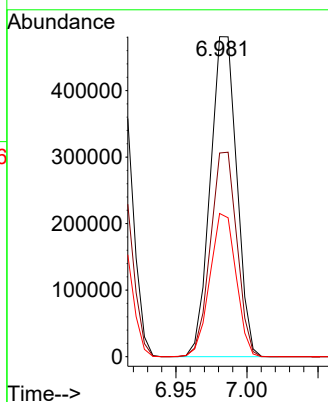
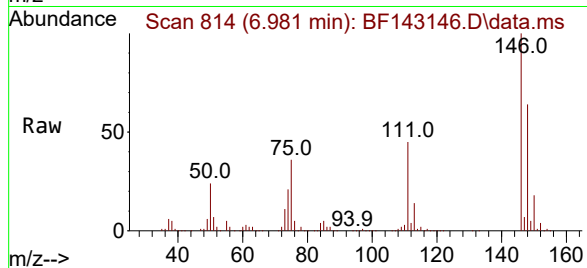
Tgt Ion:146 Resp: 623375

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

111 44.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 56.708 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

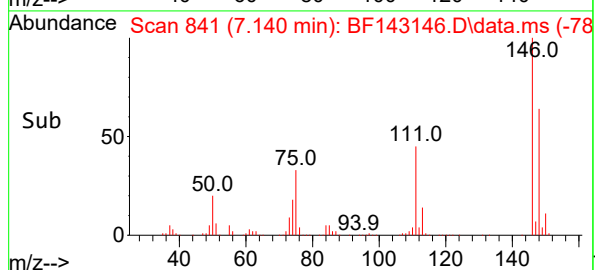
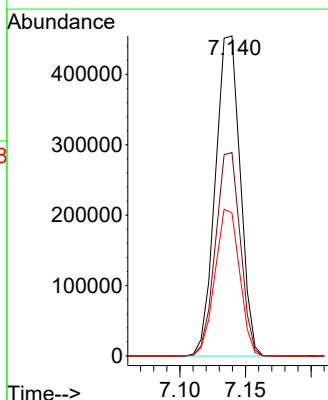
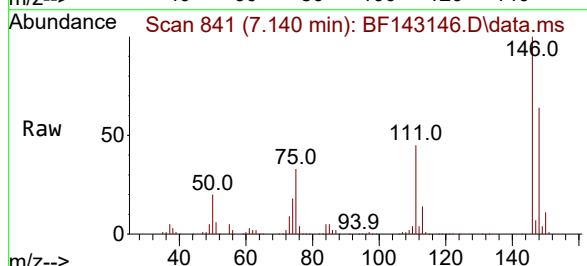
Tgt Ion:146 Resp: 598571

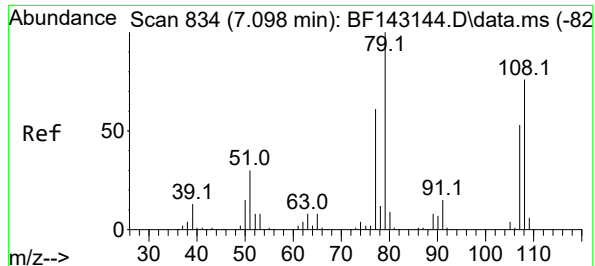
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.8 36.6 54.8





#15

Benzyl Alcohol

Concen: 58.934 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

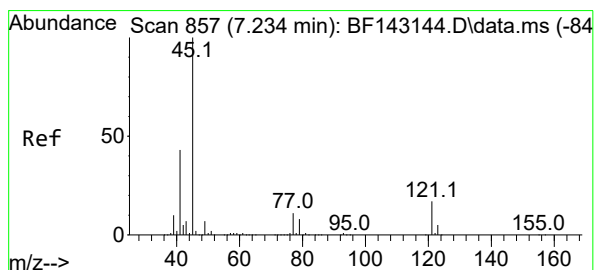
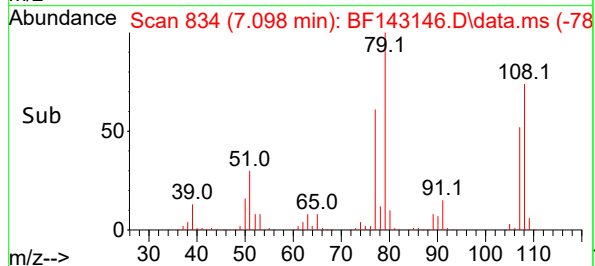
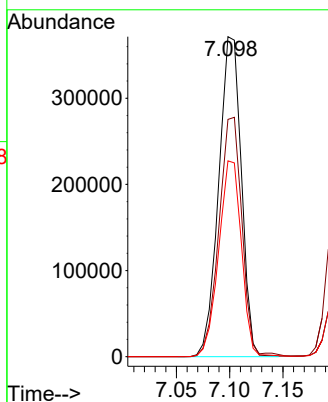
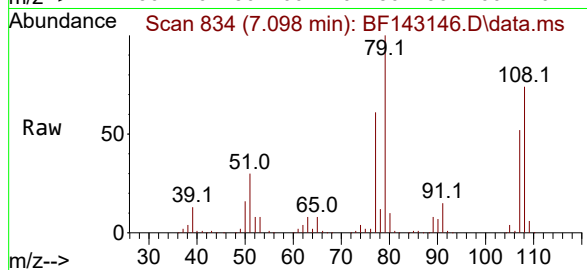
Tgt Ion: 79 Resp: 548155

Ion Ratio Lower Upper

79 100

108 74.2 61.1 91.7

77 61.2 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 57.120 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

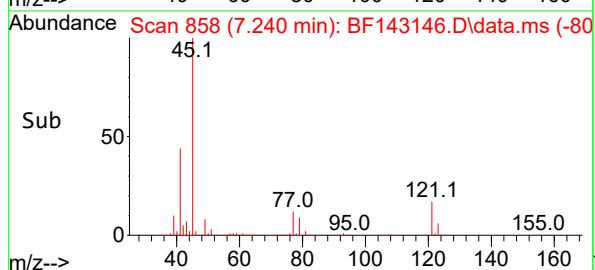
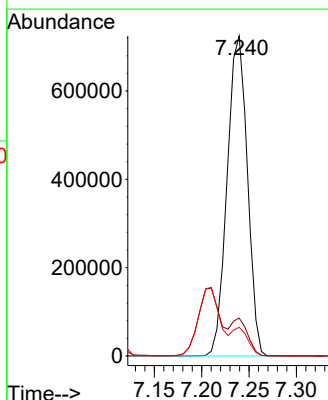
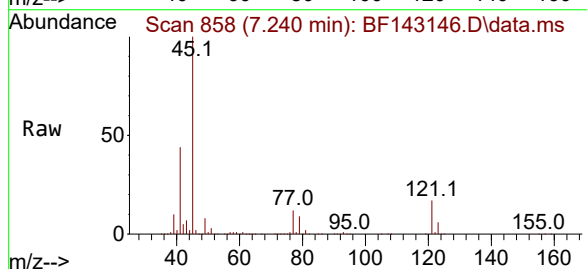
Tgt Ion: 45 Resp: 1076628

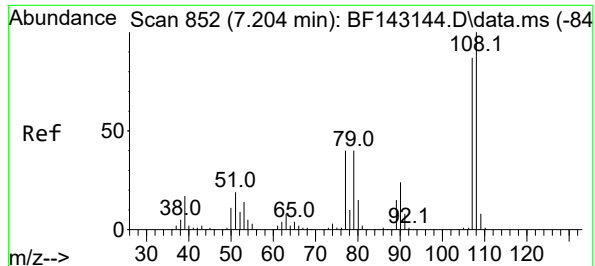
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.2

79 9.0 0.0 28.5

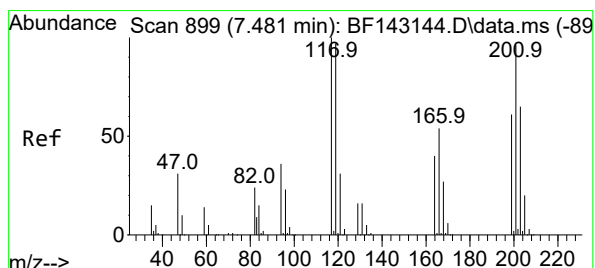
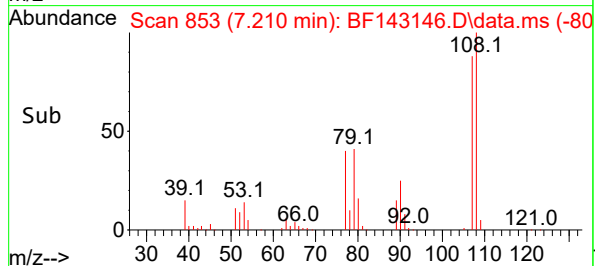
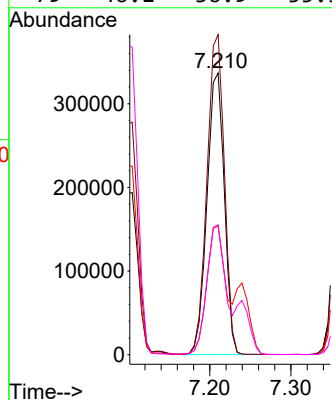
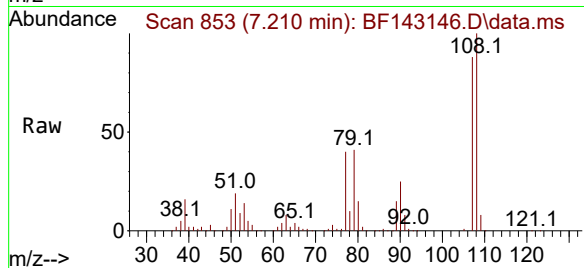




#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

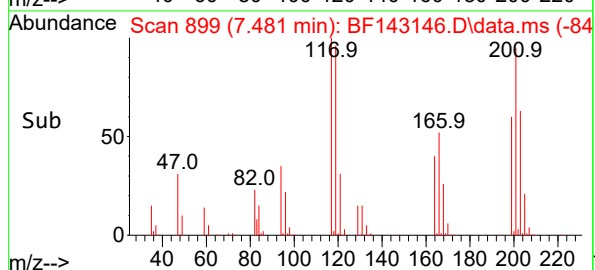
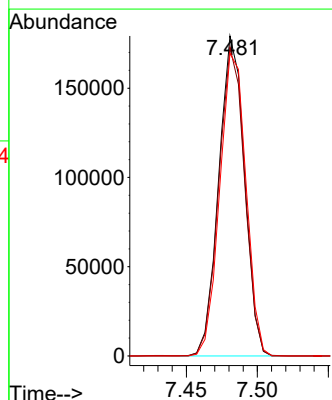
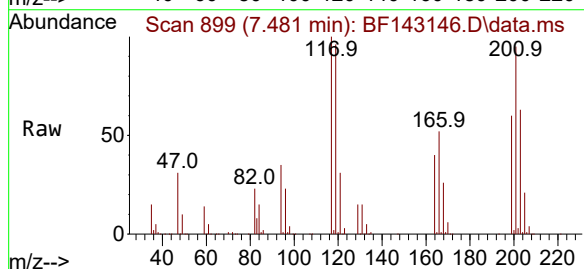
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

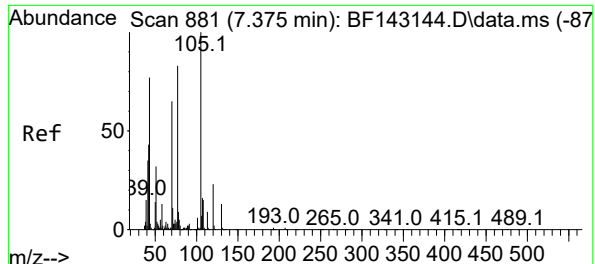
Tgt Ion:107 Resp: 498077
Ion Ratio Lower Upper
107 100
108 113.6 91.8 137.6
77 45.6 37.0 55.6
79 46.1 36.9 55.3



#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:117 Resp: 225488
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.8
201 94.6 77.0 115.4

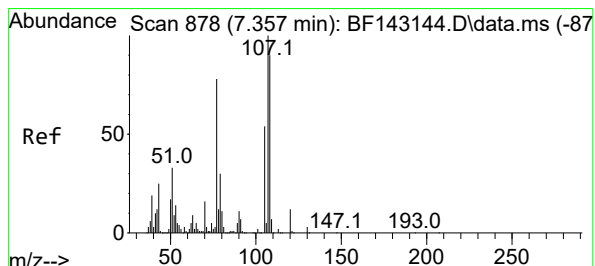
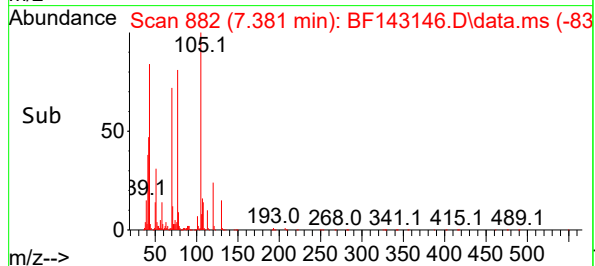
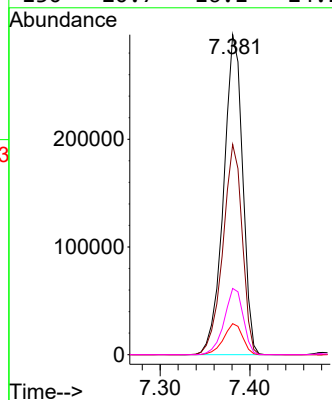
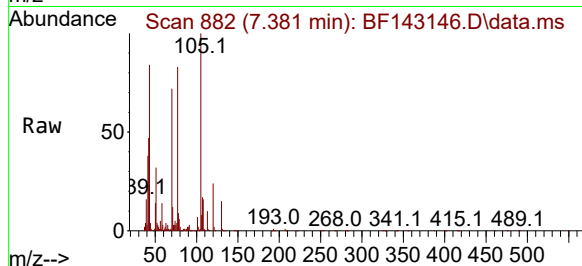




#19
n-Nitroso-di-n-propylamine
Concen: 56.012 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

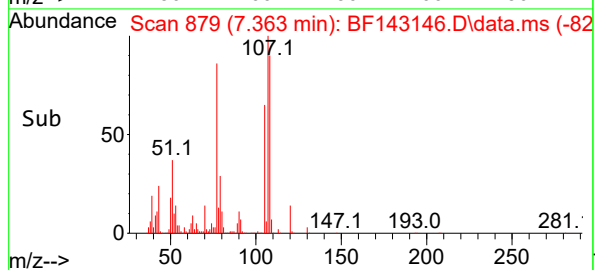
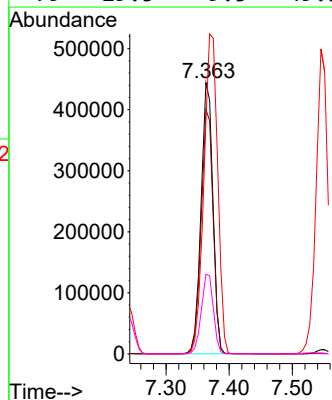
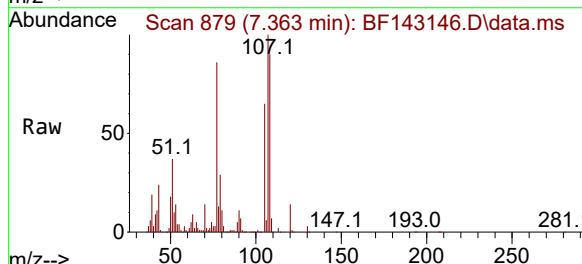
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

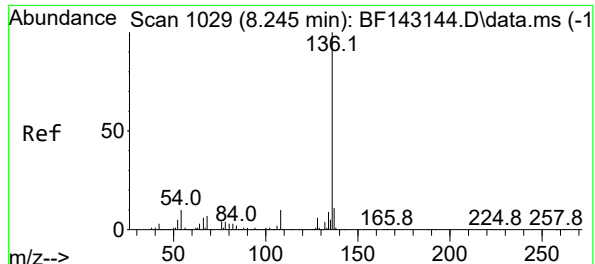
Tgt Ion: 70 Resp: 437750
Ion Ratio Lower Upper
70 100
42 65.7 52.5 78.7
101 9.7 7.6 11.4
130 20.7 16.1 24.1



#20
3+4-Methylphenols
Concen: 56.273 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 107 Resp: 582354
Ion Ratio Lower Upper
107 100
108 90.1 70.0 110.0
77 86.3 57.8 97.8
79 29.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143146.D

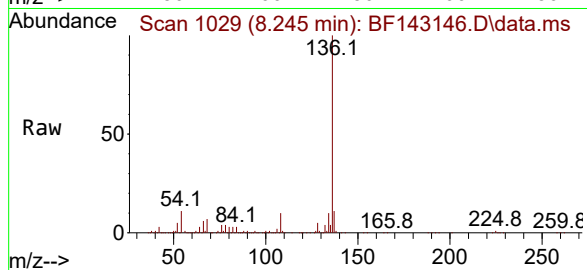
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

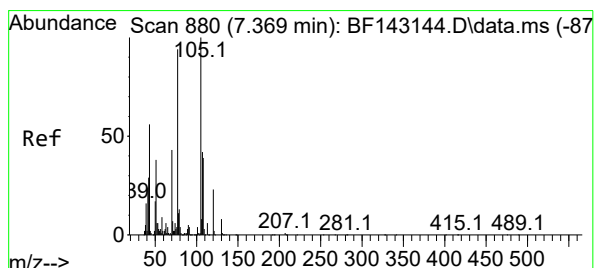
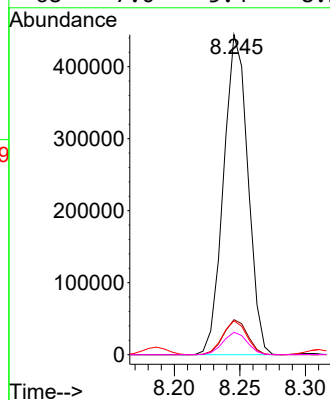
ClientSampleId :

SSTDICC060



Tgt Ion:136 Resp: 573541

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.0	5.4	8.2



#22

Acetophenone

Concen: 56.041 ng

RT: 7.375 min Scan# 881

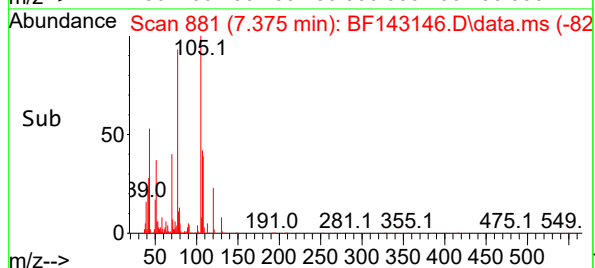
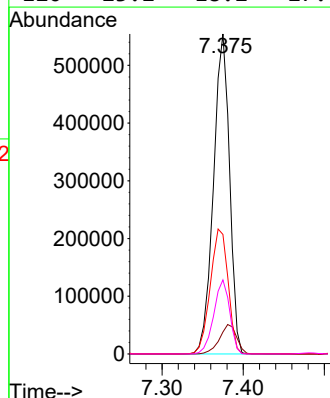
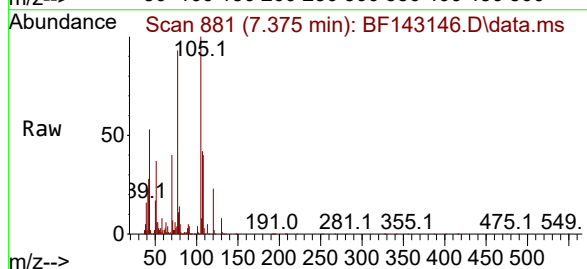
Delta R.T. 0.006 min

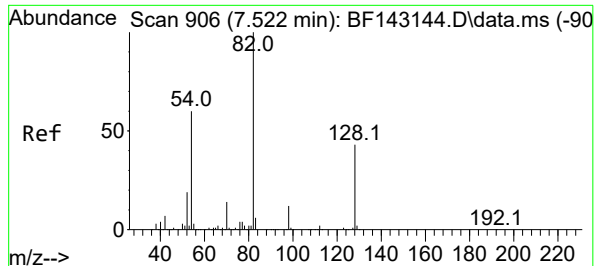
Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:105 Resp: 760969

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.8	8.6
51	37.4	30.2	45.2
120	23.2	18.2	27.4





#23

Nitrobenzene-d5

Concen: 118.809 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

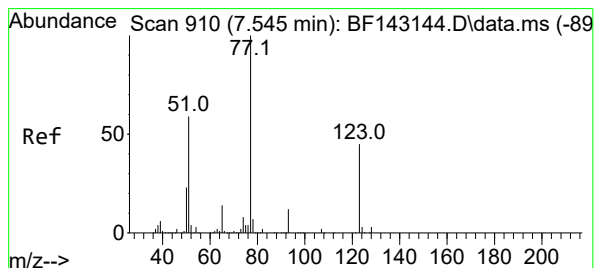
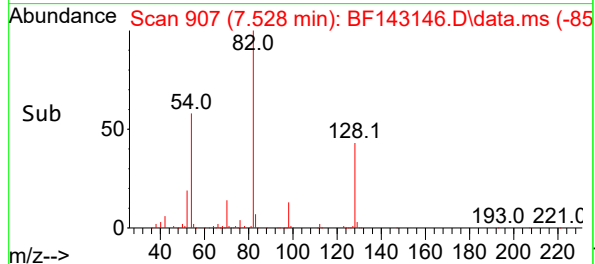
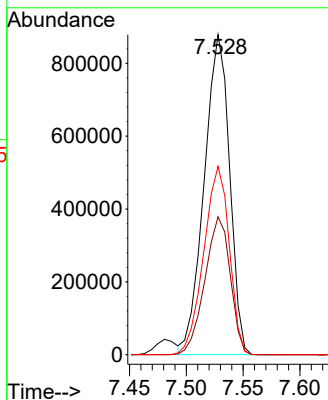
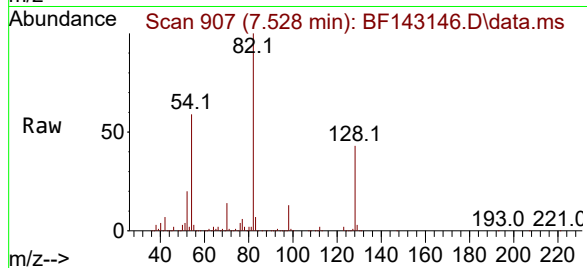
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1367018

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7



#24

Nitrobenzene

Concen: 59.832 ng

RT: 7.545 min Scan# 910

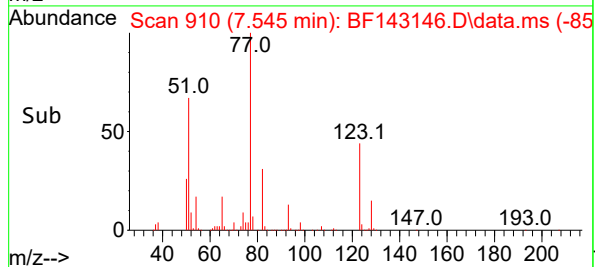
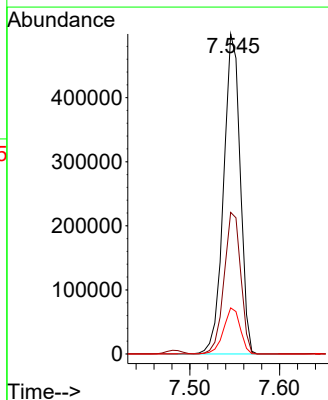
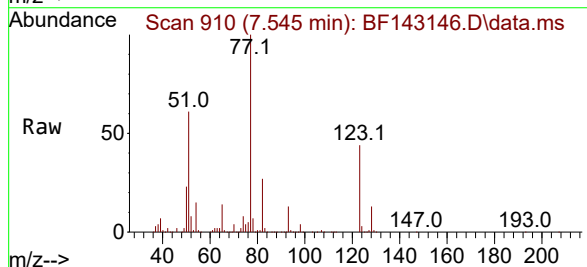
Delta R.T. 0.000 min

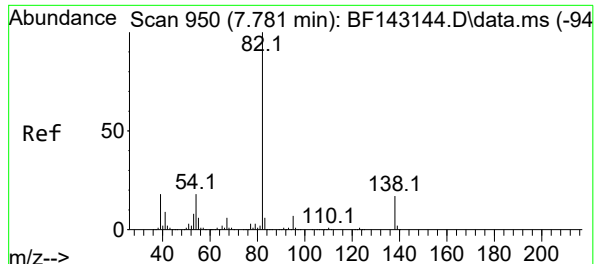
Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 641832

Ion	Ratio	Lower	Upper
77	100		
123	44.3	36.1	54.1
65	14.4	11.4	17.2

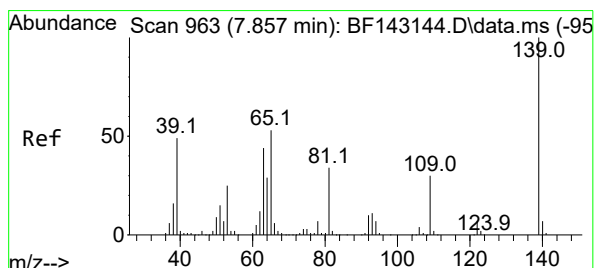
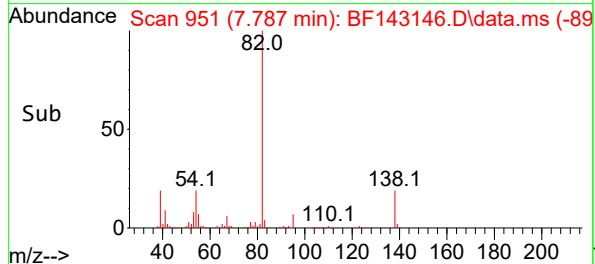
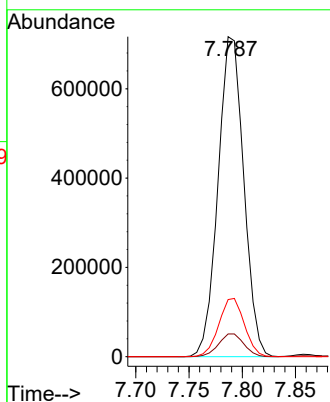
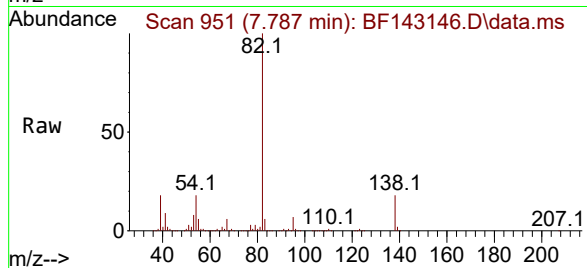




#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

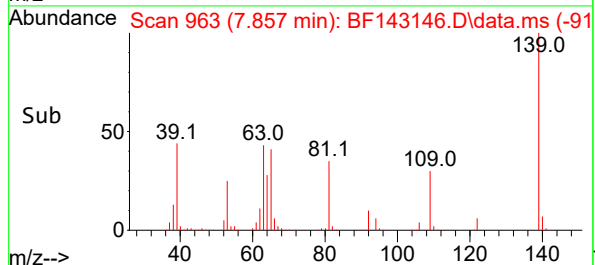
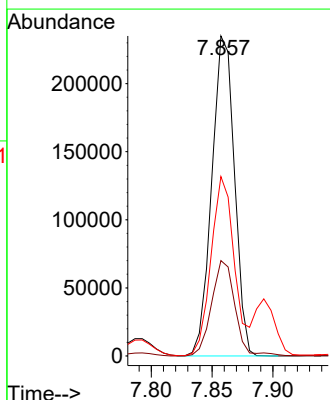
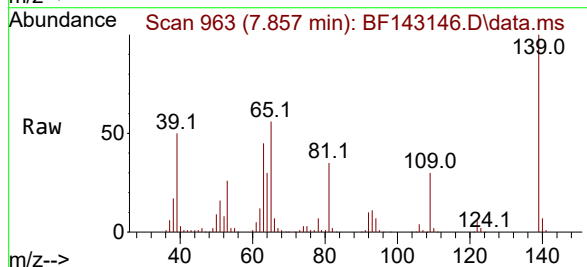
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

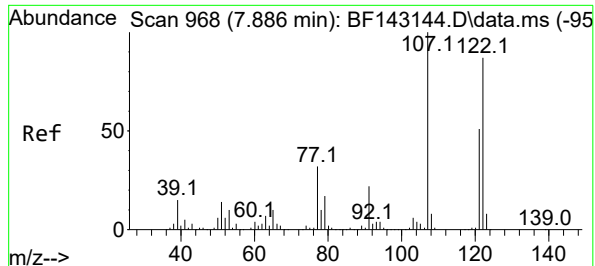
Tgt Ion: 82 Resp: 1202506
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.9 13.8 20.8



#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 304218
Ion Ratio Lower Upper
139 100
109 29.8 23.6 35.4
65 56.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 57.833 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

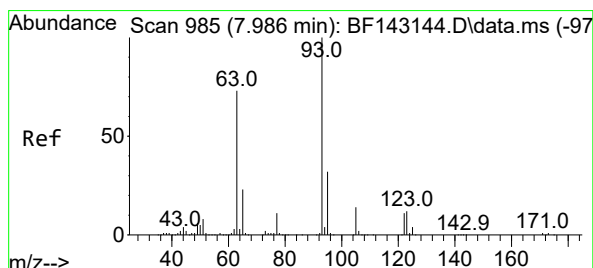
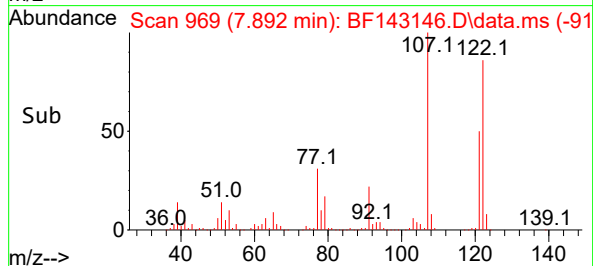
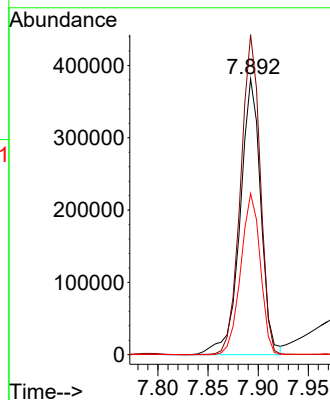
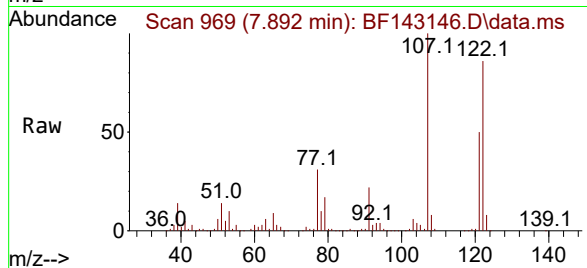
Tgt Ion:122 Resp: 548823

Ion Ratio Lower Upper

122 100

107 116.0 91.8 137.6

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 57.184 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

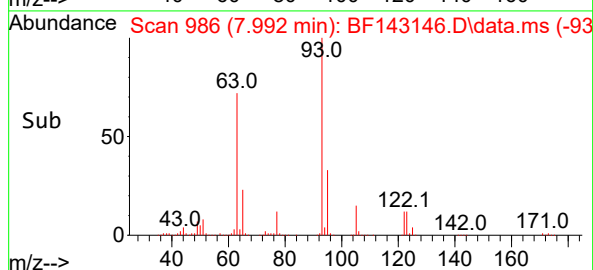
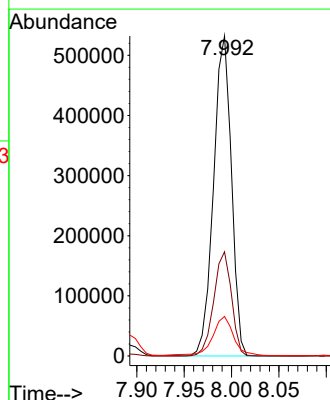
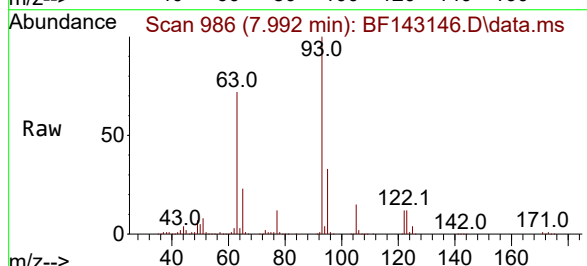
Tgt Ion: 93 Resp: 696403

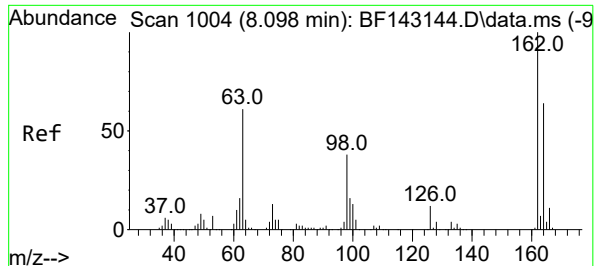
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 58.329 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

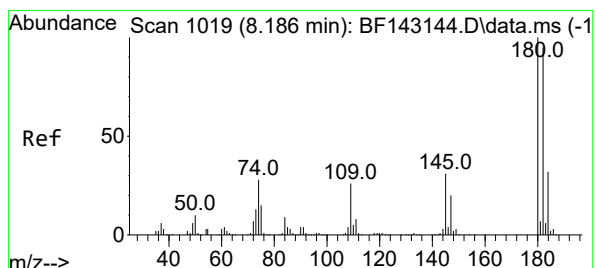
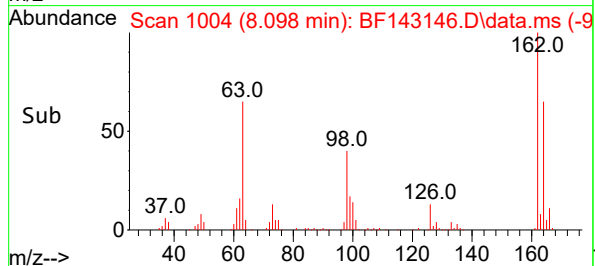
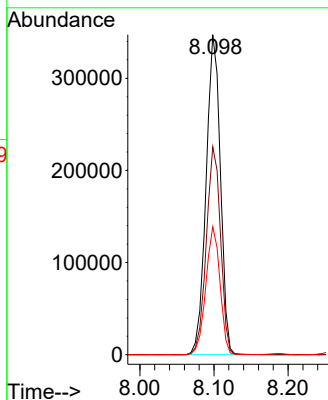
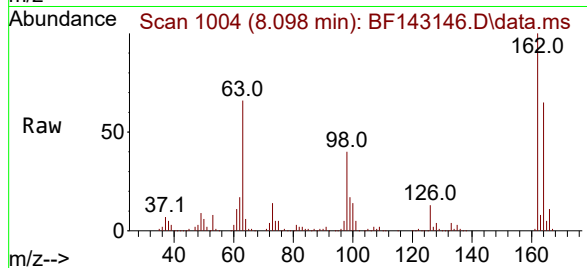
Tgt Ion:162 Resp: 466809

Ion Ratio Lower Upper

162 100

164 64.9 44.2 84.2

98 39.9 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 57.653 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

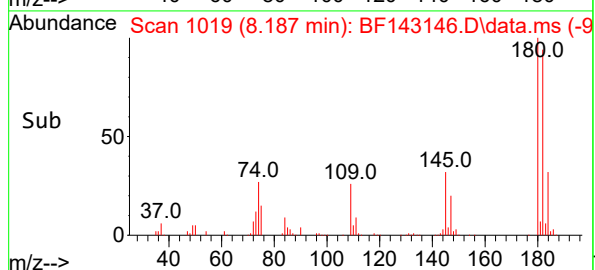
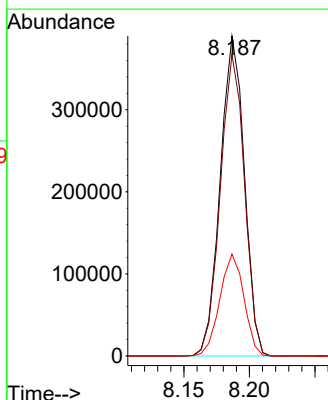
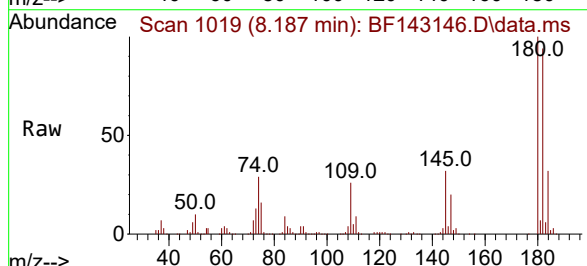
Tgt Ion:180 Resp: 498478

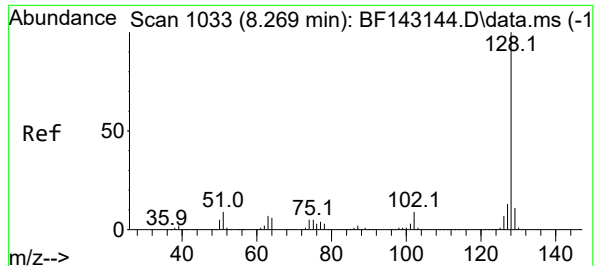
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 31.8 25.0 37.6





#31

Naphthalene

Concen: 55.784 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

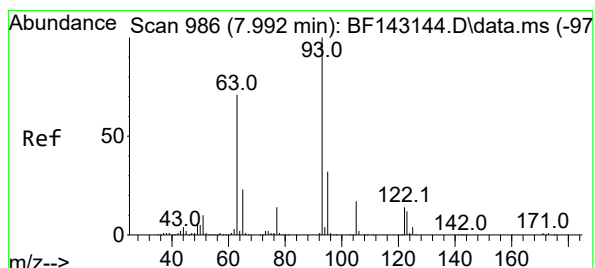
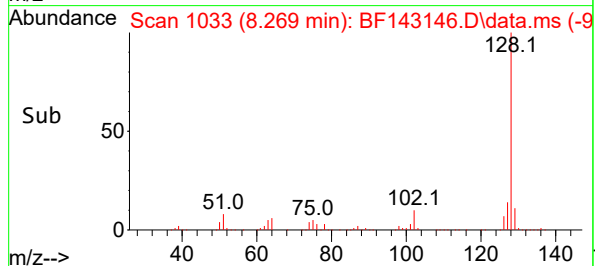
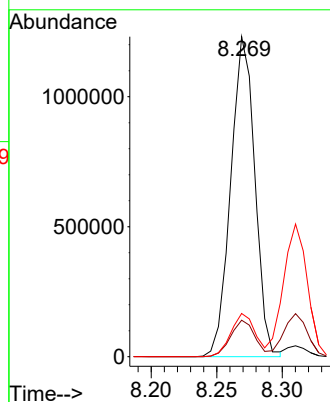
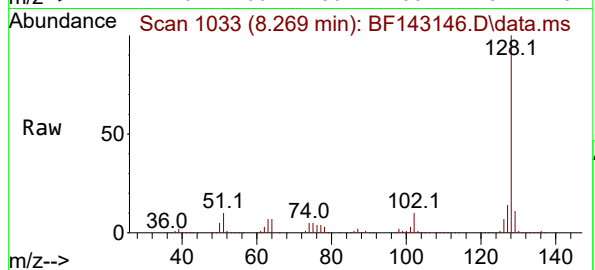
Tgt Ion:128 Resp: 1575696

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

127 13.5 10.6 16.0



#32

Benzoic acid

Concen: 58.961 ng

RT: 8.010 min Scan# 989

Delta R.T. 0.018 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

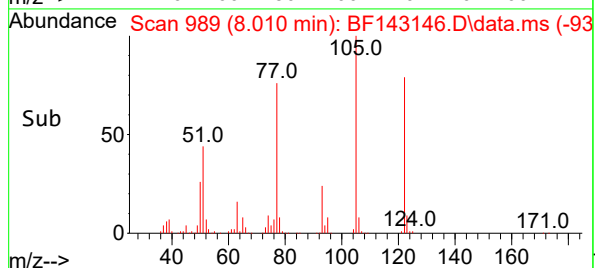
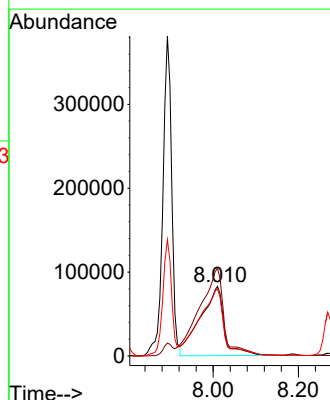
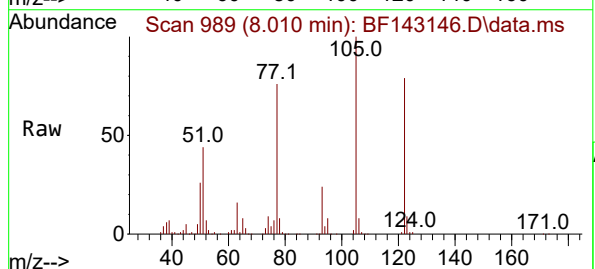
Tgt Ion:122 Resp: 321703

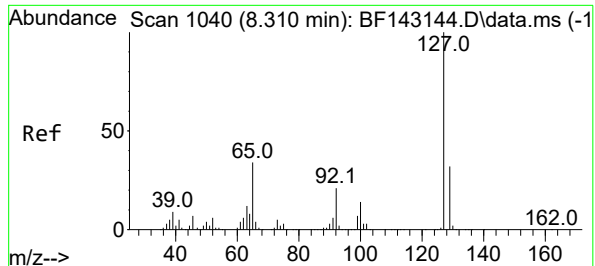
Ion Ratio Lower Upper

122 100

105 126.3 104.8 144.8

77 96.5 77.6 117.6





#33

4-Chloroaniline

Concen: 57.178 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143146.D

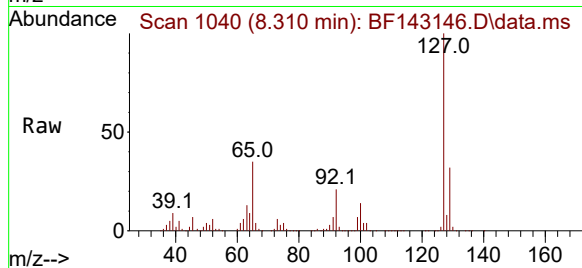
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:127 Resp: 659467

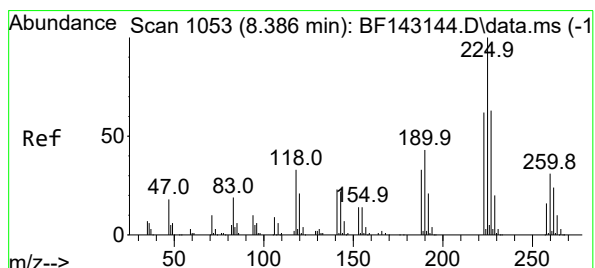
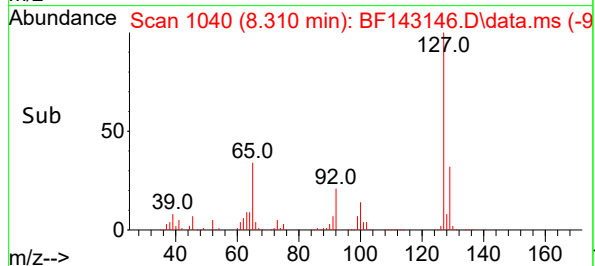
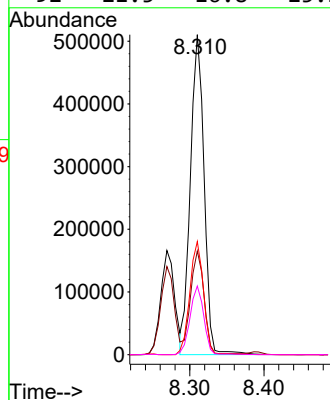
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 35.3 27.4 41.2

92 21.5 16.8 25.2



#34

Hexachlorobutadiene

Concen: 58.230 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

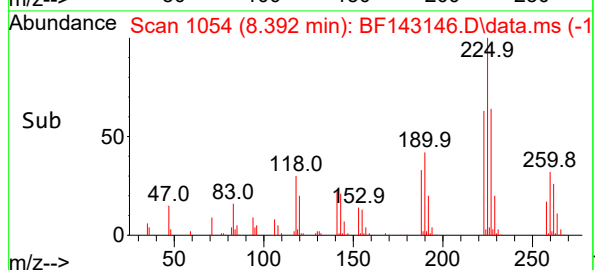
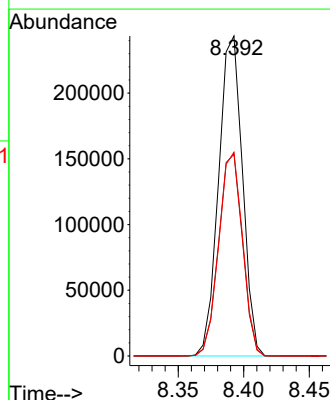
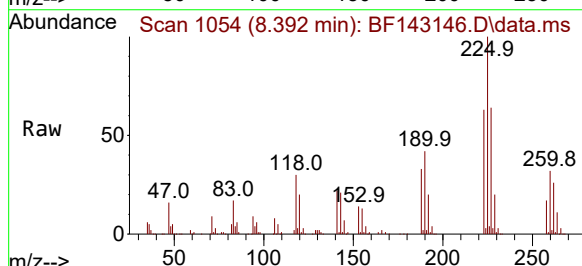
Tgt Ion:225 Resp: 307552

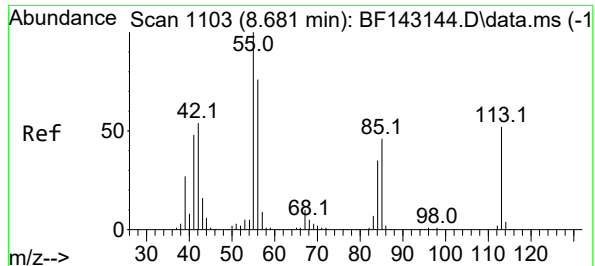
Ion Ratio Lower Upper

225 100

223 63.0 49.8 74.6

227 63.7 50.2 75.4





#35

Caprolactam

Concen: 60.327 ng

RT: 8.692 min Scan# 1105

Delta R.T. 0.012 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

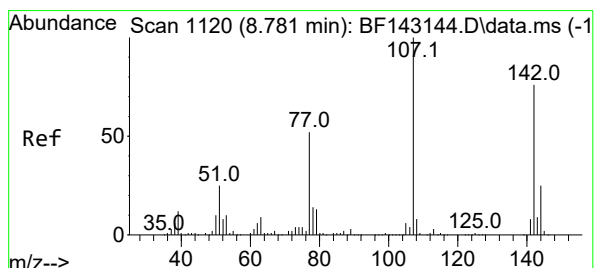
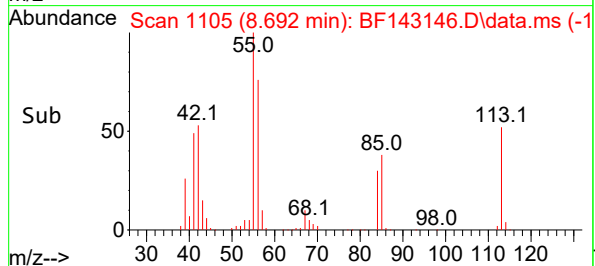
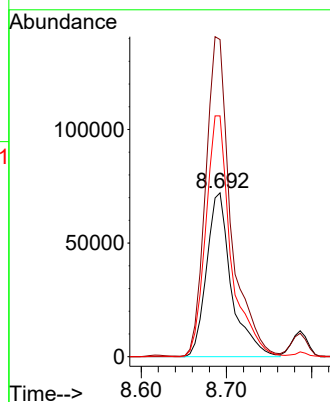
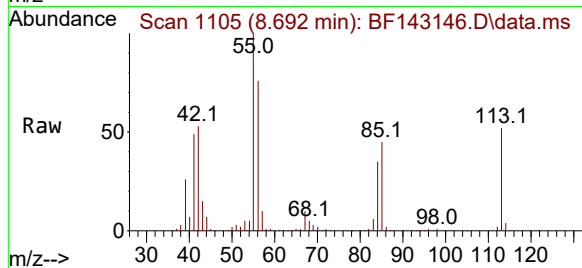
Tgt Ion:113 Resp: 145894

Ion Ratio Lower Upper

113 100

55 193.5 174.0 214.0

56 146.9 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 58.186 ng

RT: 8.787 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

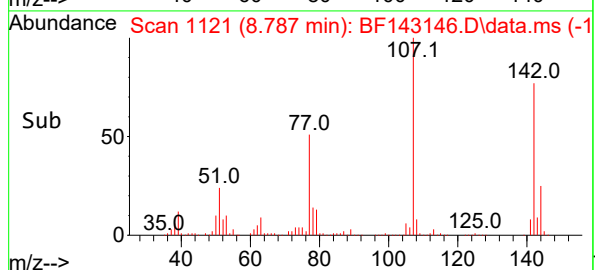
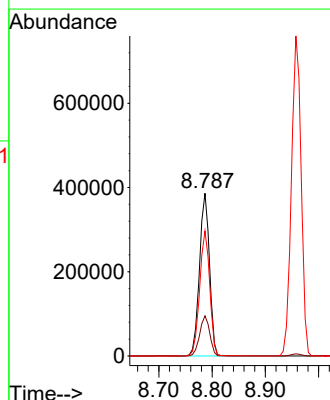
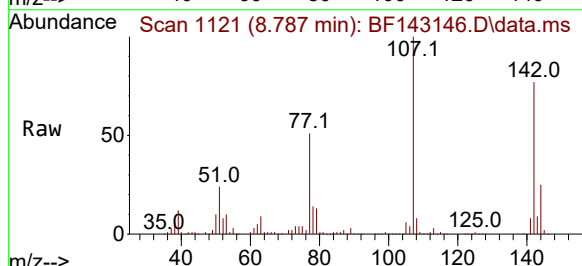
Tgt Ion:107 Resp: 506142

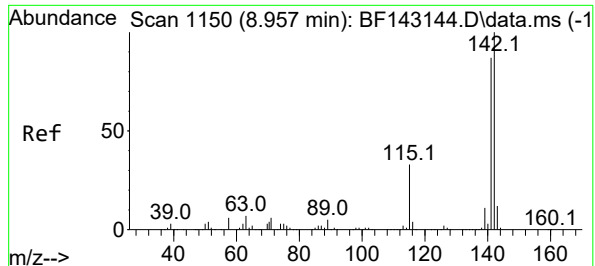
Ion Ratio Lower Upper

107 100

144 24.7 19.8 29.6

142 76.9 60.6 90.8

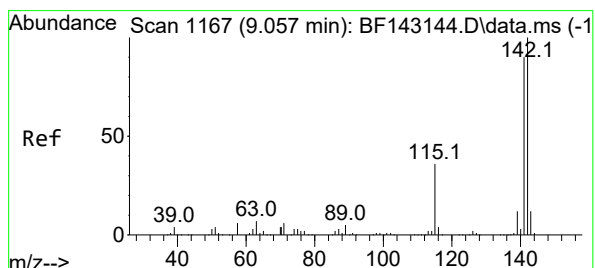
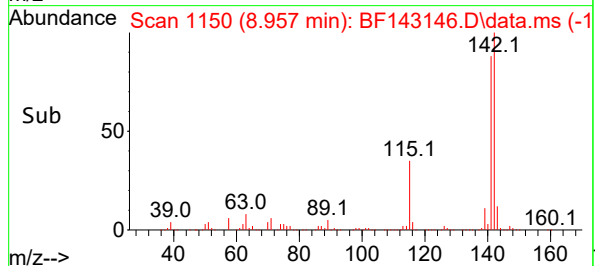
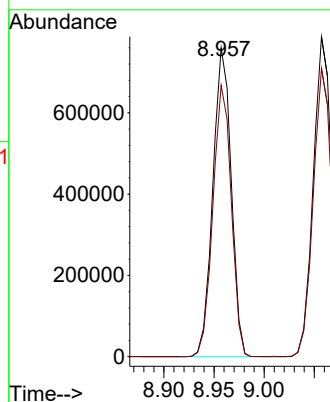
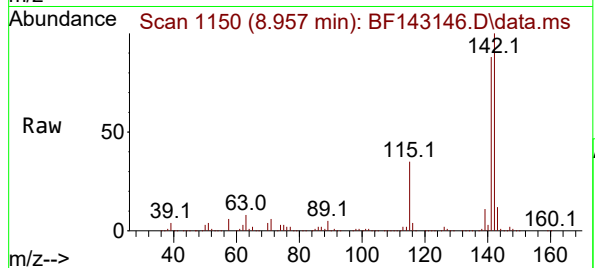




#37
2-Methylnaphthalene
Concen: 56.203 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

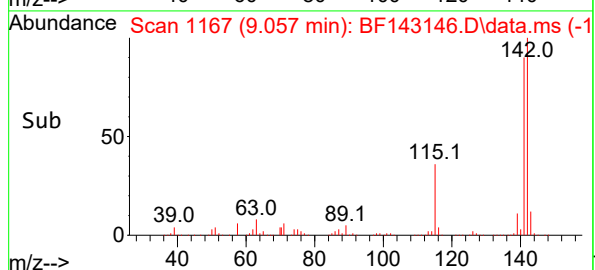
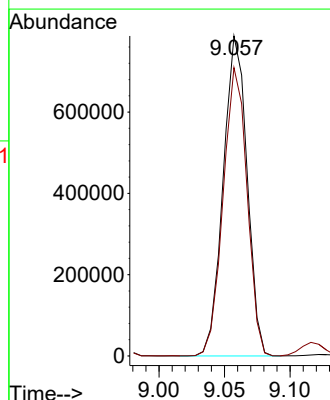
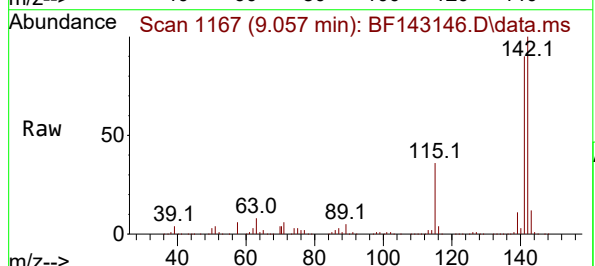
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

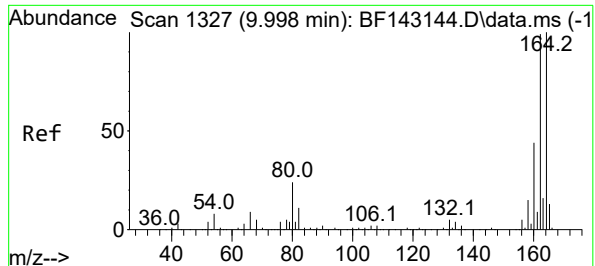
Tgt Ion:142 Resp: 966031
Ion Ratio Lower Upper
142 100
141 87.9 69.9 104.9



#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 997009
Ion Ratio Lower Upper
142 100
141 90.1 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

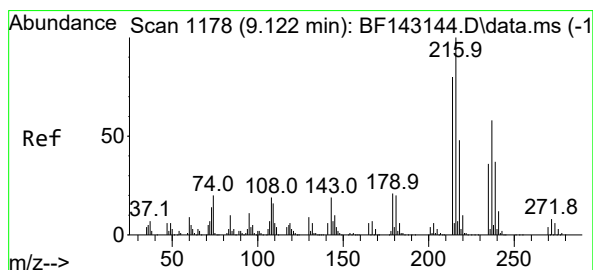
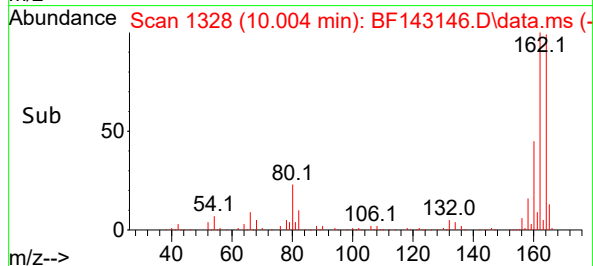
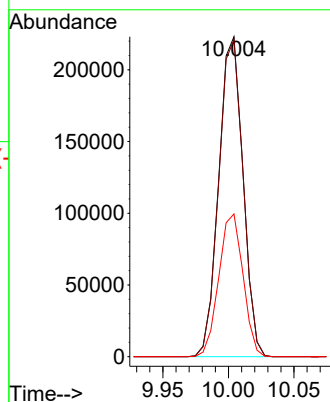
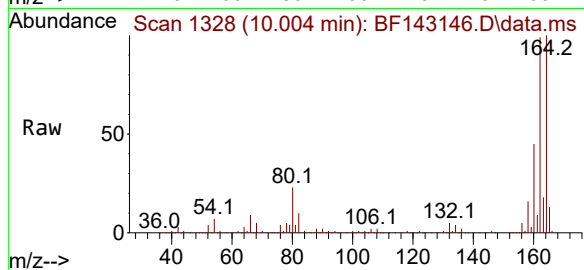
Tgt Ion:164 Resp: 286544

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

160 44.6 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.955 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:216 Resp: 479450

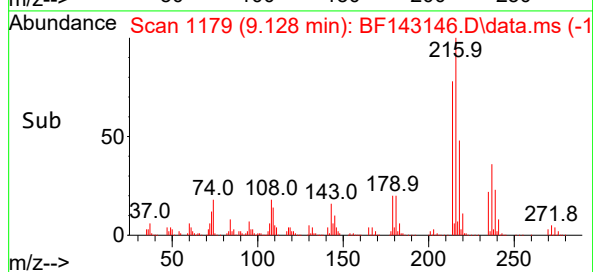
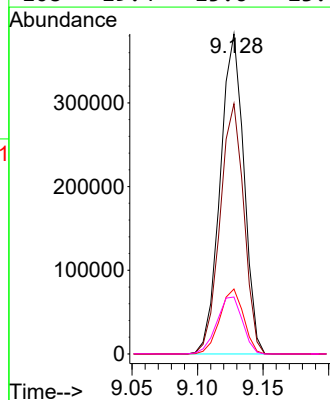
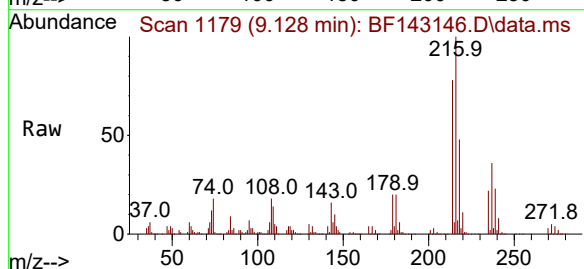
Ion Ratio Lower Upper

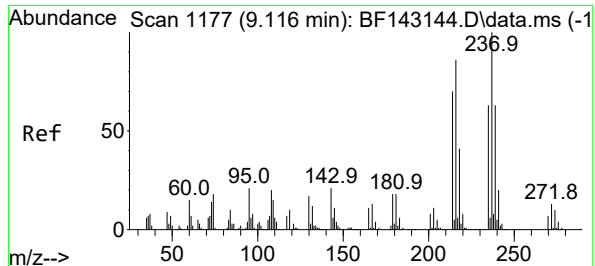
216 100

214 78.4 63.8 95.8

179 20.4 16.4 24.6

108 19.4 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 62.761 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

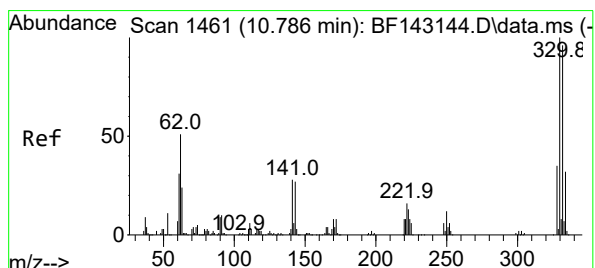
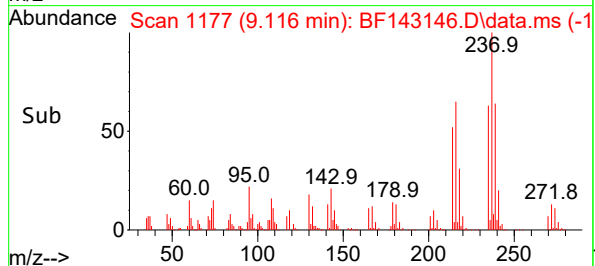
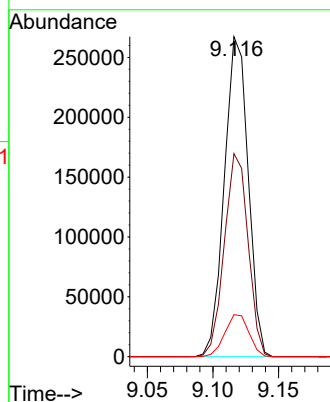
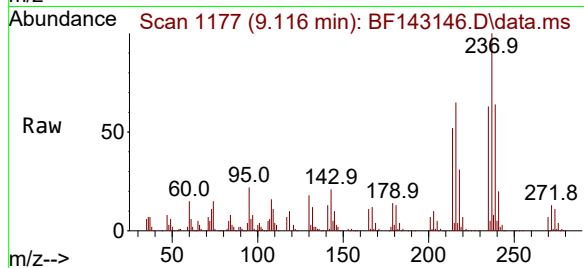
Tgt Ion:237 Resp: 337833

Ion Ratio Lower Upper

237 100

235 63.4 43.0 83.0

272 13.2 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 119.817 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

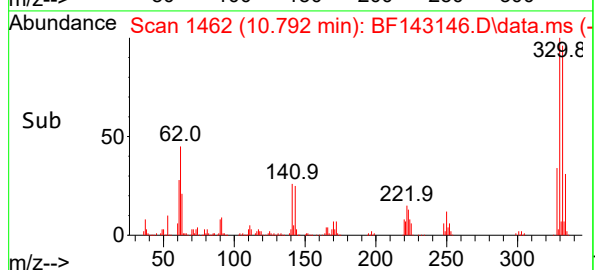
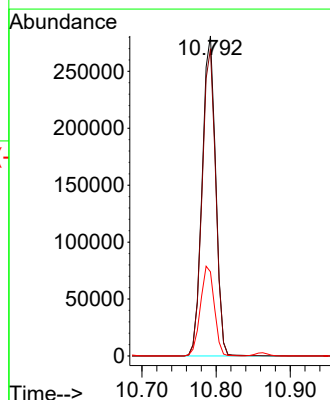
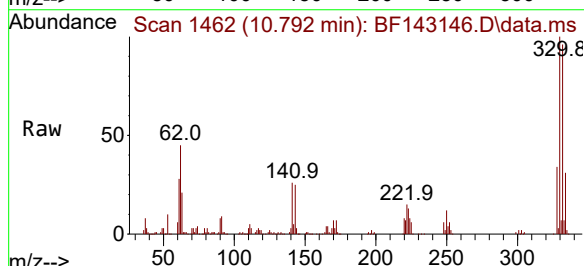
Tgt Ion:330 Resp: 354678

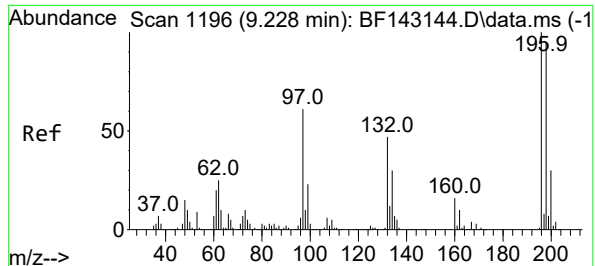
Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

141 28.9 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 60.246 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143146.D

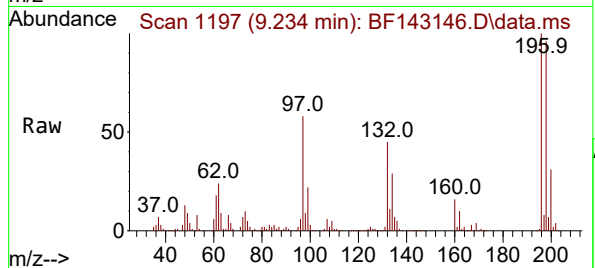
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



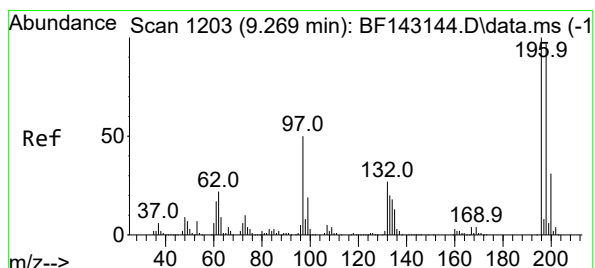
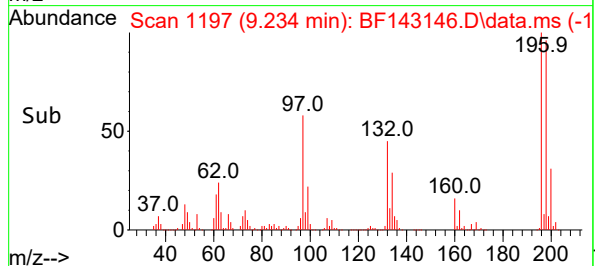
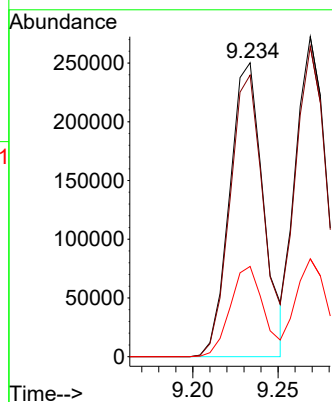
Tgt Ion:196 Resp: 344941

Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

200 30.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 59.305 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:196 Resp: 339656

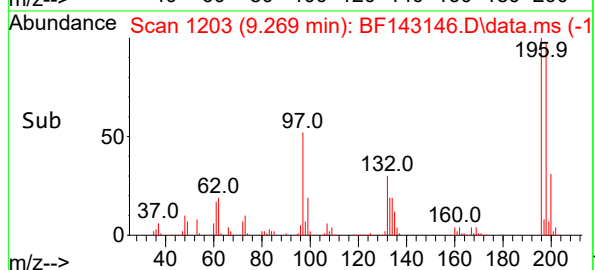
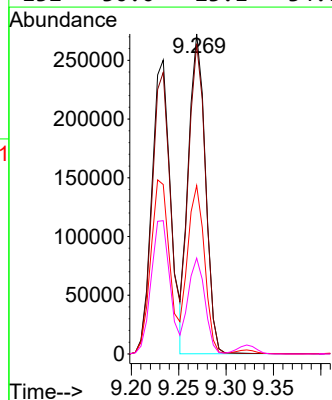
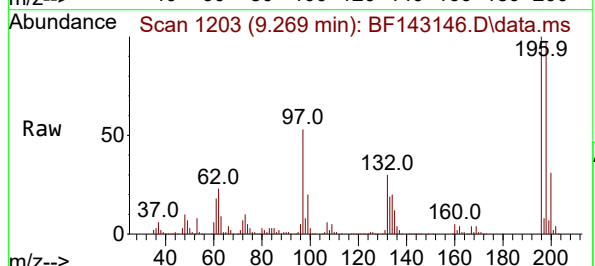
Ion Ratio Lower Upper

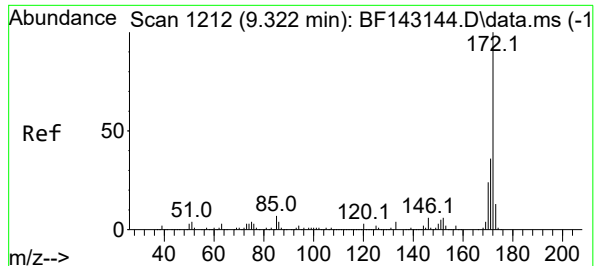
196 100

198 96.9 77.3 115.9

97 52.6 40.3 60.5

132 30.0 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 108.558 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

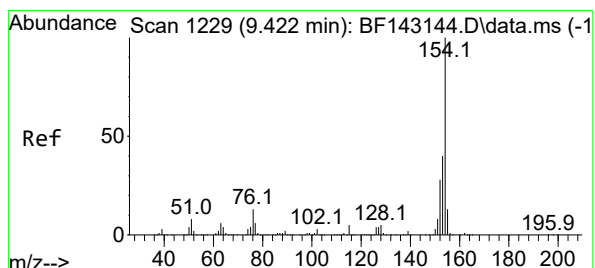
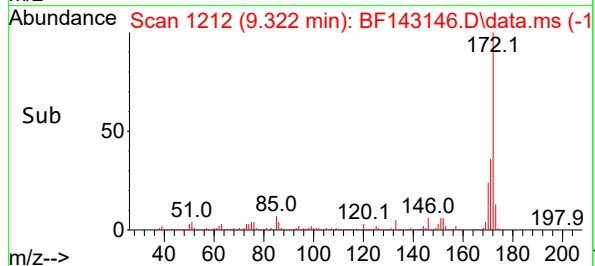
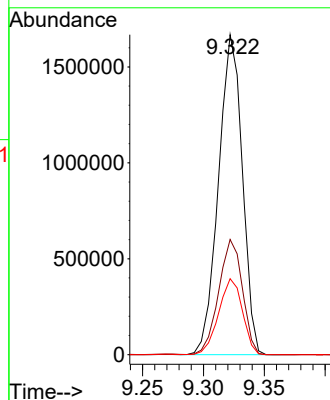
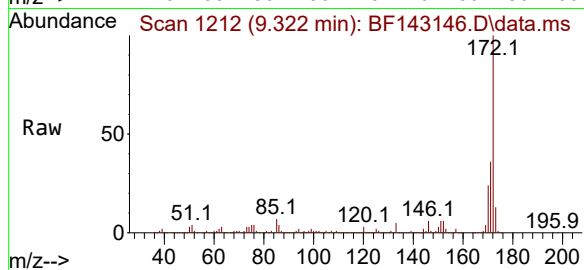
Tgt Ion:172 Resp: 2274500

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 56.610 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

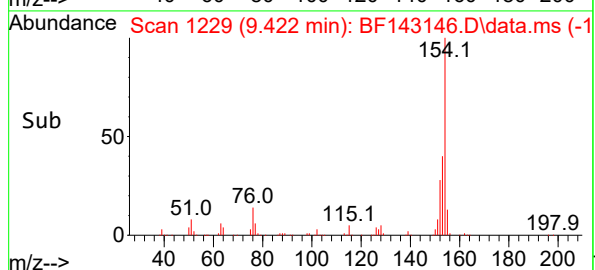
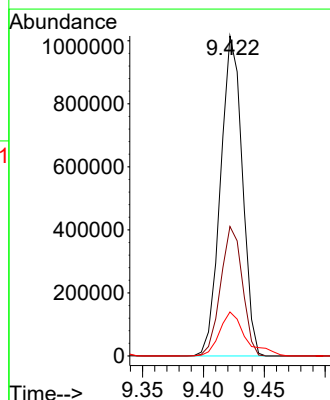
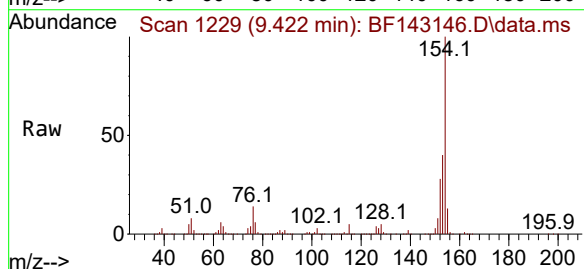
Tgt Ion:154 Resp: 1265588

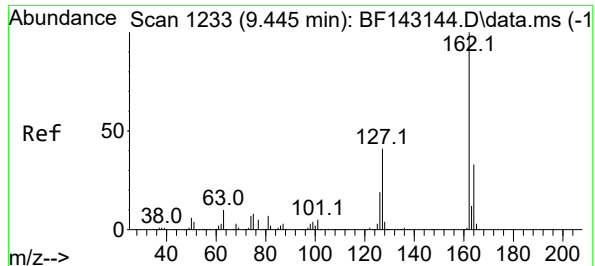
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 57.364 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

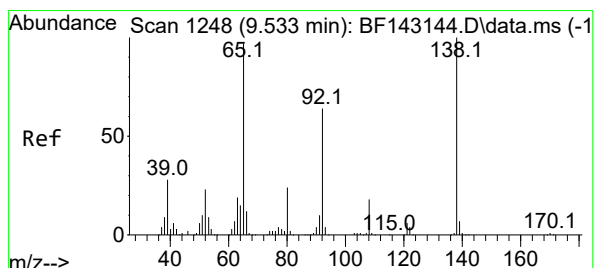
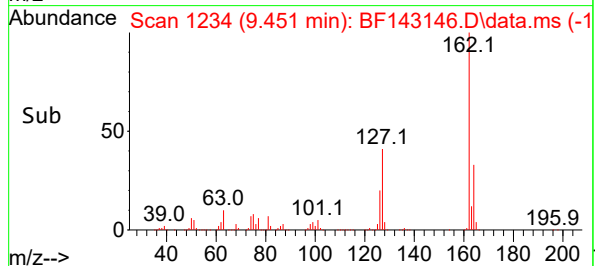
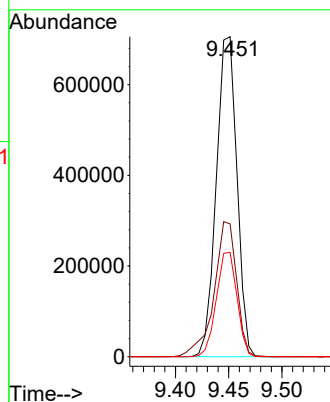
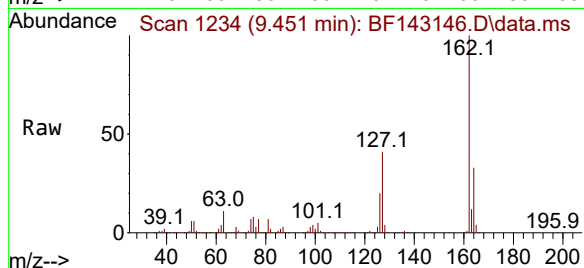
Tgt Ion:162 Resp: 948912

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 63.904 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

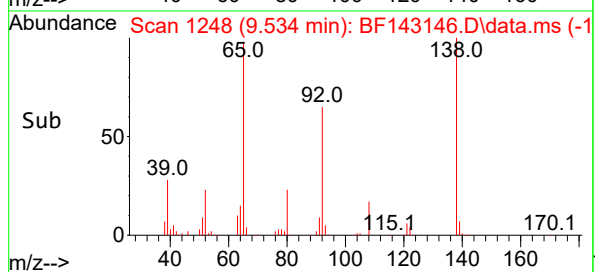
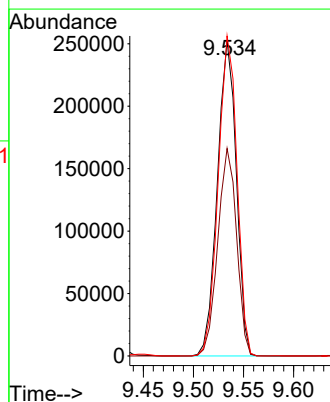
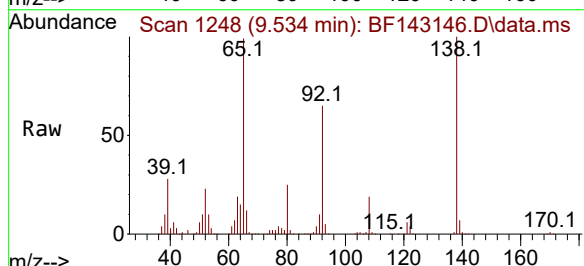
Tgt Ion: 65 Resp: 331501

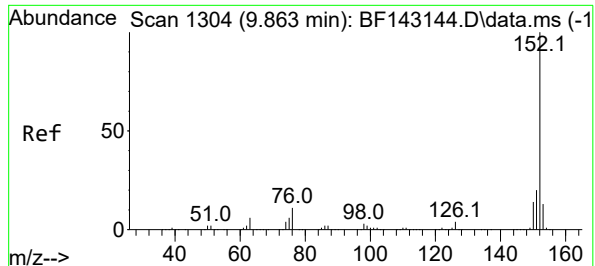
Ion Ratio Lower Upper

65 100

92 65.8 52.4 78.6

138 101.5 82.3 123.5





#49

Acenaphthylene

Concen: 56.860 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

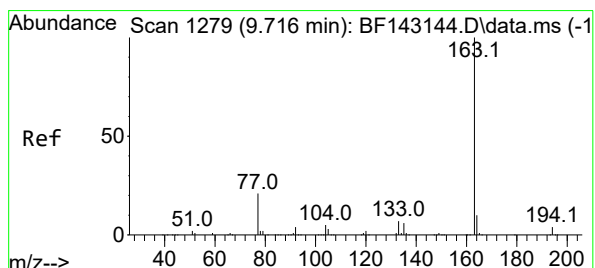
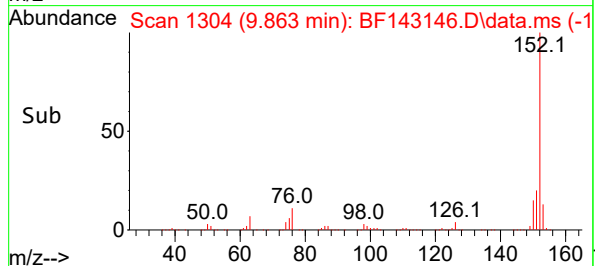
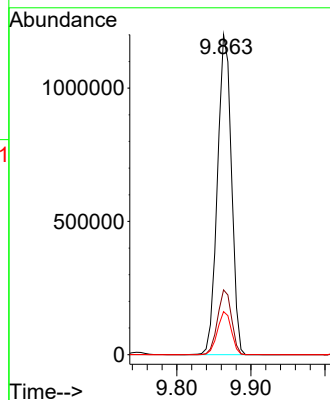
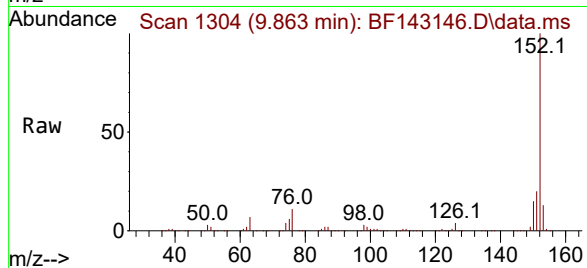
Tgt Ion:152 Resp: 1576240

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.5 10.6 16.0



#50

Dimethylphthalate

Concen: 57.558 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

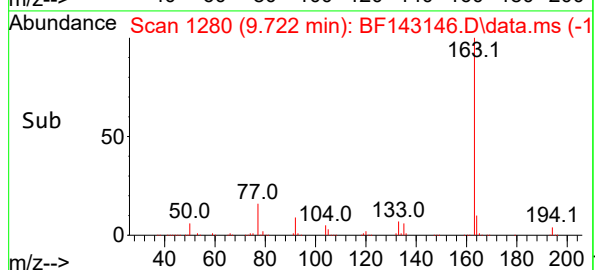
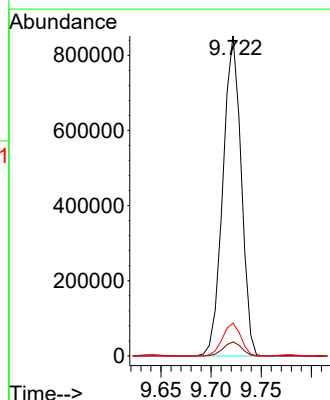
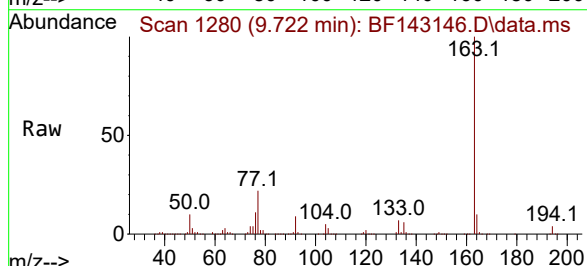
Tgt Ion:163 Resp: 1075052

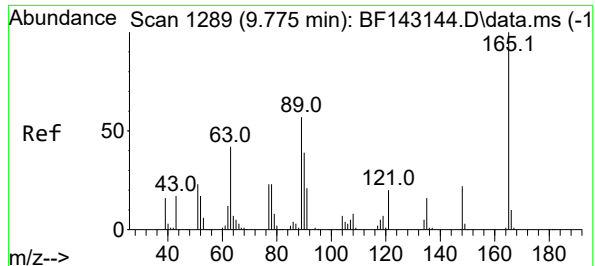
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.3 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 62.665 ng

RT: 9.775 min Scan# 1289

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

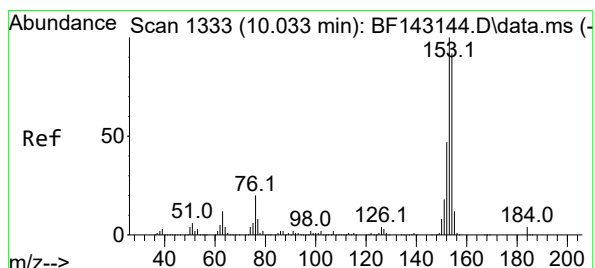
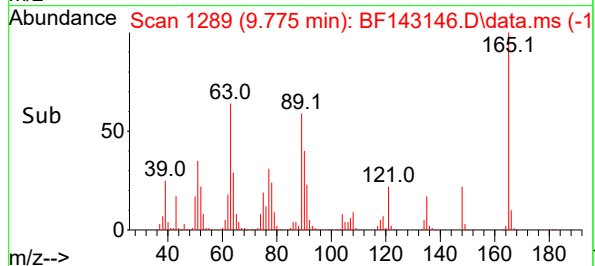
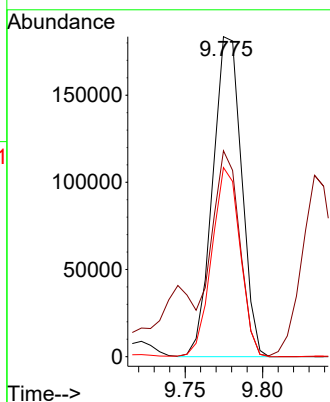
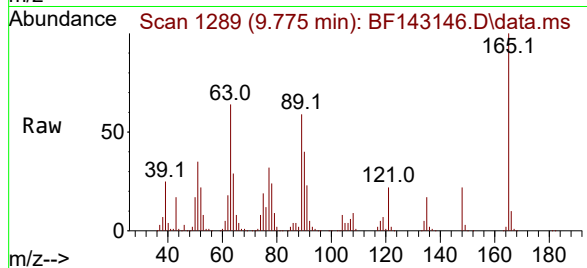
Tgt Ion:165 Resp: 238103

Ion Ratio Lower Upper

165 100

63 64.4 49.4 74.2

89 59.1 46.2 69.2



#52

Acenaphthene

Concen: 56.814 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

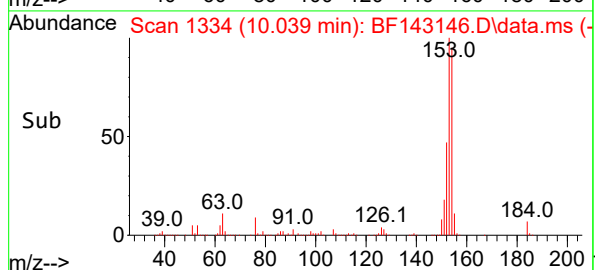
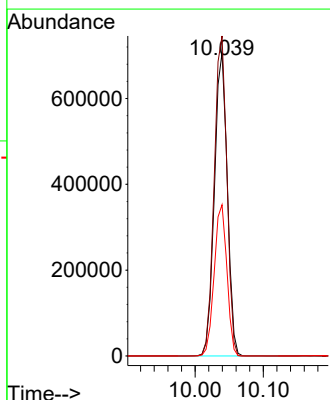
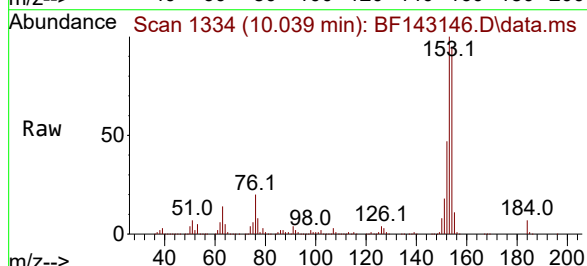
Tgt Ion:154 Resp: 930883

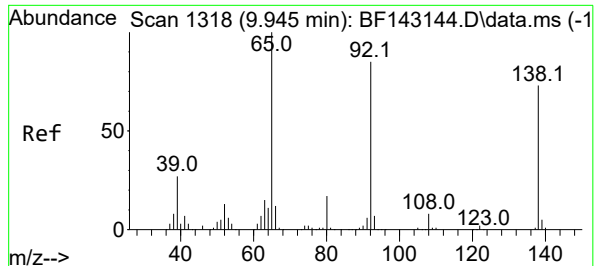
Ion Ratio Lower Upper

154 100

153 105.6 86.6 129.8

152 49.9 40.4 60.6

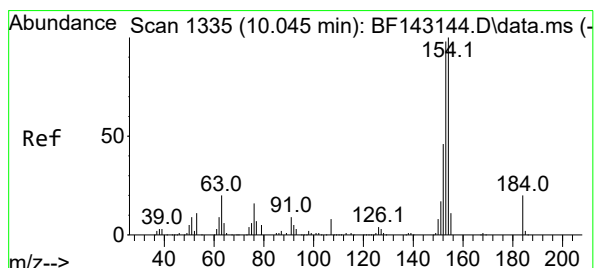
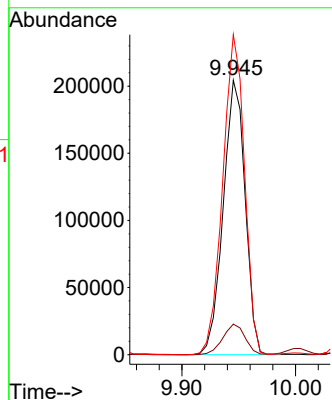
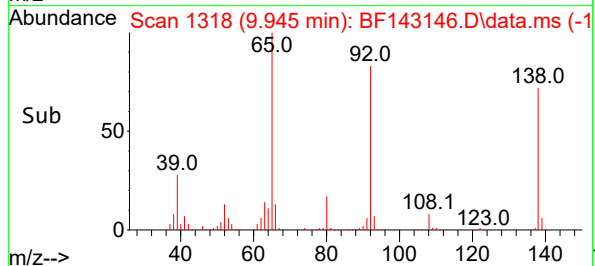
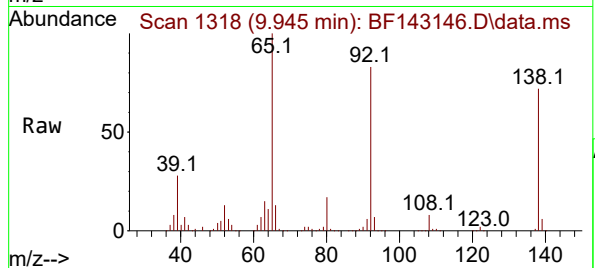




#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

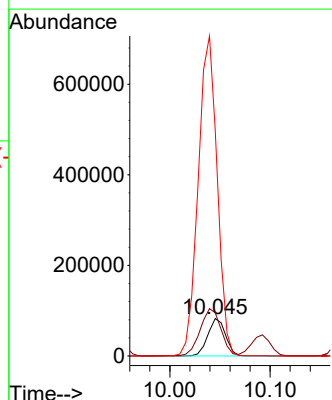
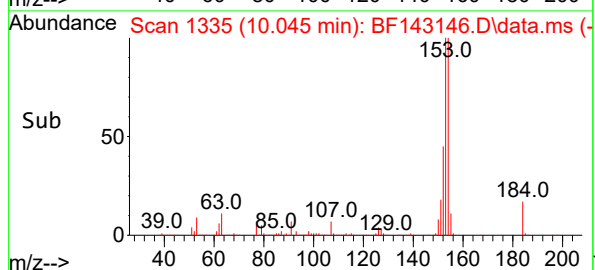
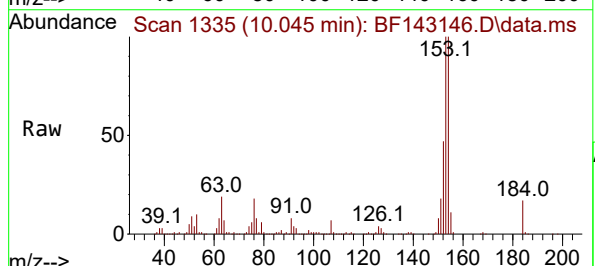
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

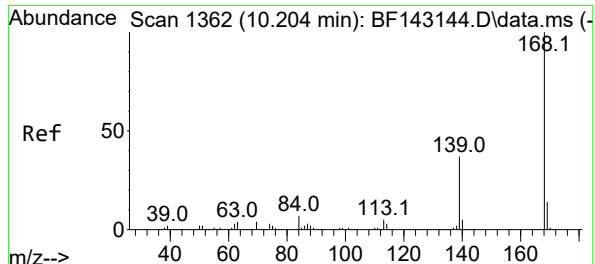
Tgt Ion:138 Resp: 273506
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 116.5 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 101491
Ion Ratio Lower Upper
184 100
63 115.6 81.8 122.6
154 603.3 412.2 618.4

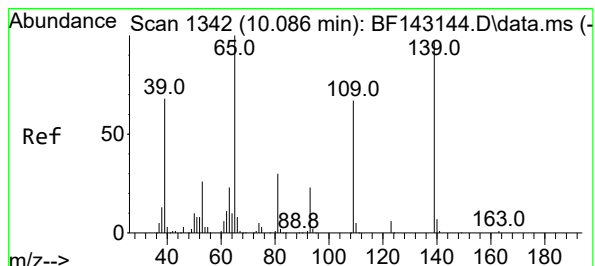
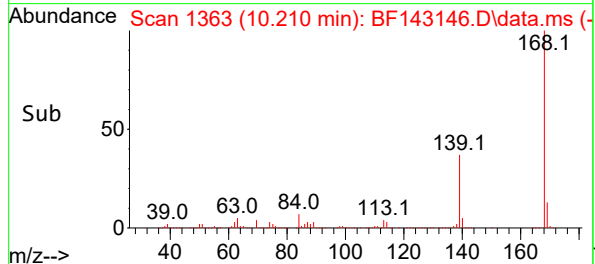
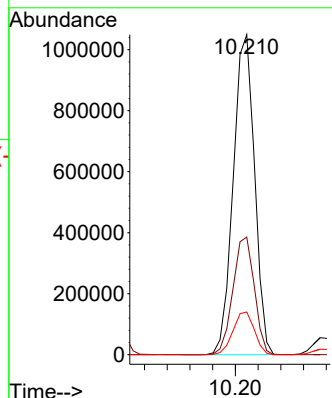
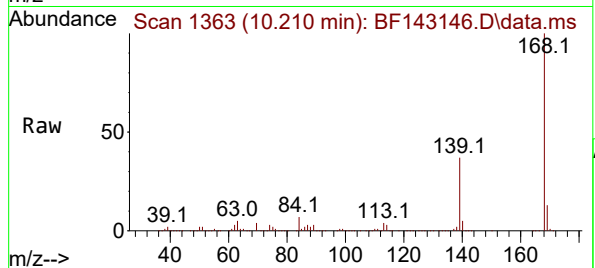




#55
Dibenzenofuran
Concen: 56.093 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

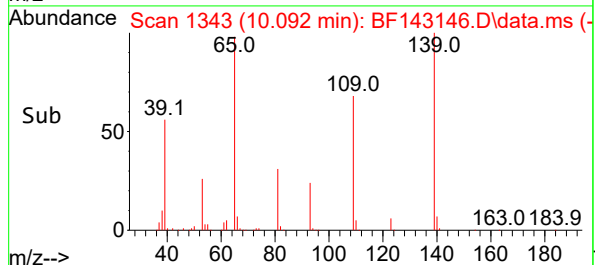
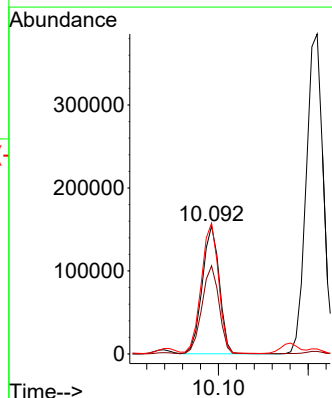
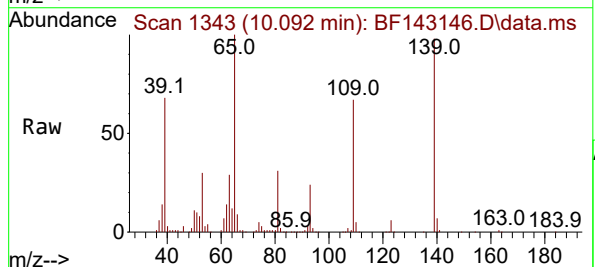
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

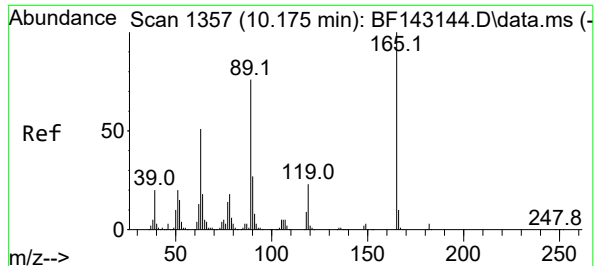
Tgt Ion:168 Resp: 1364531
Ion Ratio Lower Upper
168 100
139 36.7 29.5 44.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 61.312 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 203477
Ion Ratio Lower Upper
139 100
109 68.7 48.5 88.5
65 102.2 83.4 123.4

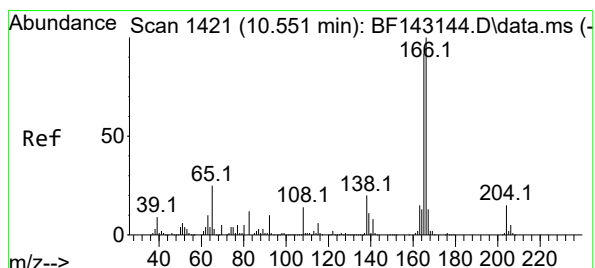
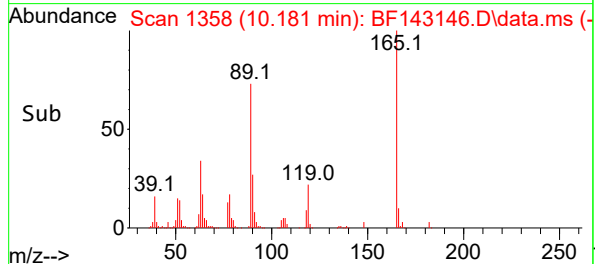
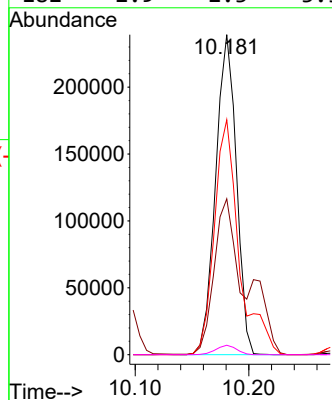
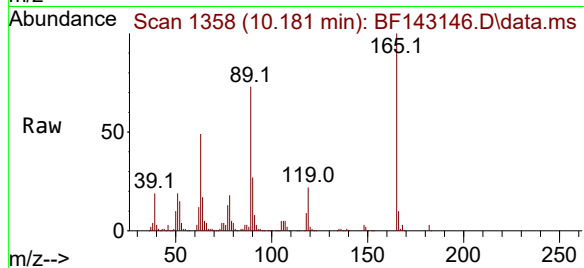




#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

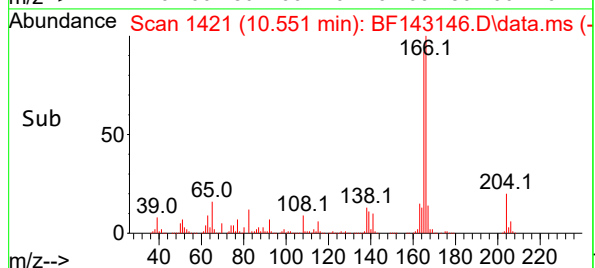
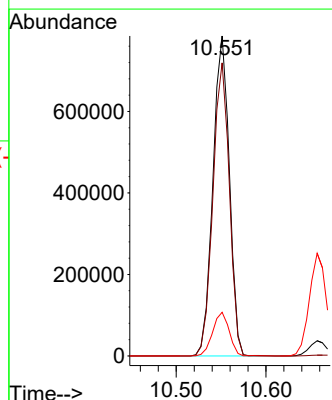
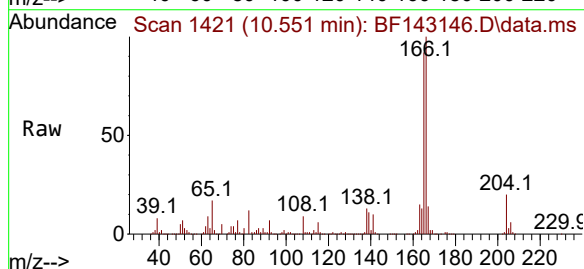
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

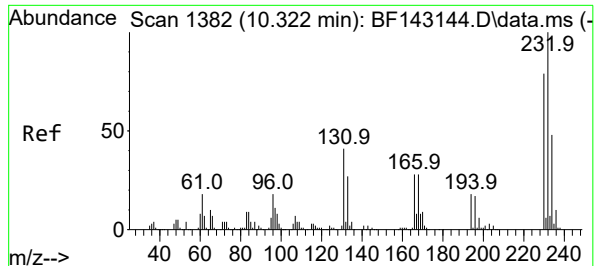
Tgt Ion:165 Resp: 304460
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:166 Resp: 997710
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 13.6 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 59.678 ng

RT: 10.322 min Scan# 1382

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:232 Resp: 283124

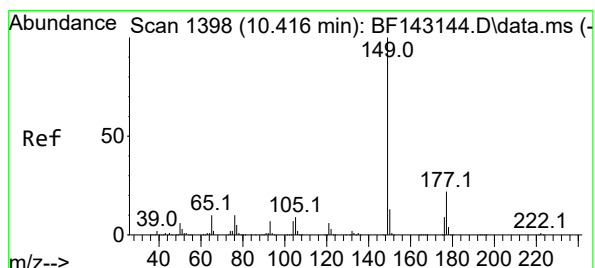
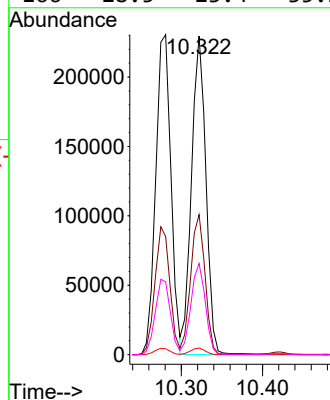
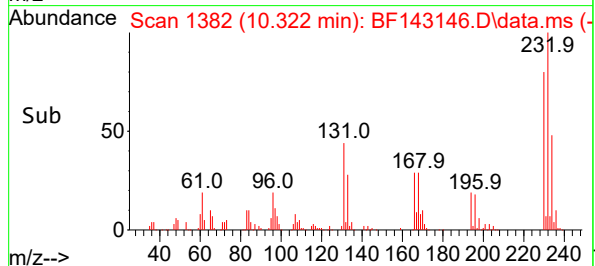
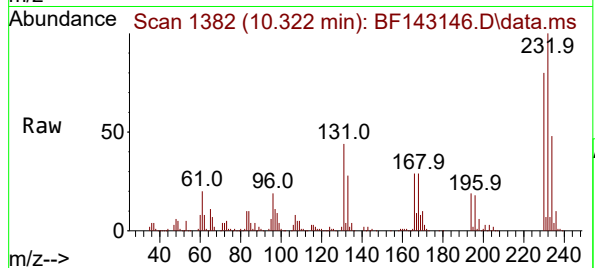
Ion Ratio Lower Upper

232 100

131 44.2 35.3 52.9

130 2.1 1.7 2.5

166 28.5 23.4 35.2



#60

Diethylphthalate

Concen: 57.301 ng

RT: 10.422 min Scan# 1399

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

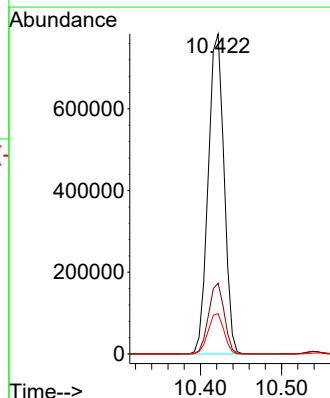
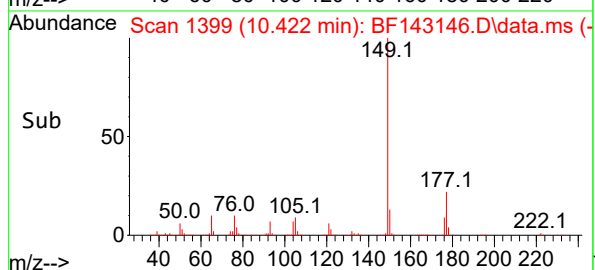
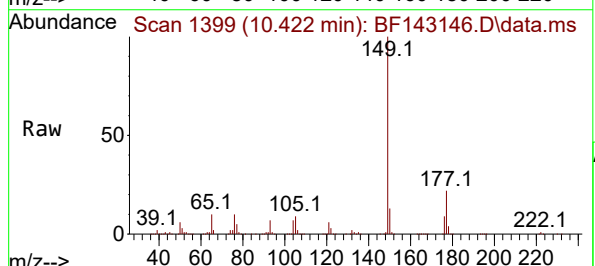
Tgt Ion:149 Resp: 1057851

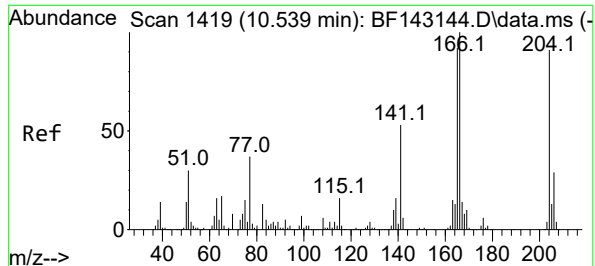
Ion Ratio Lower Upper

149 100

177 22.1 17.5 26.3

150 12.6 10.2 15.2

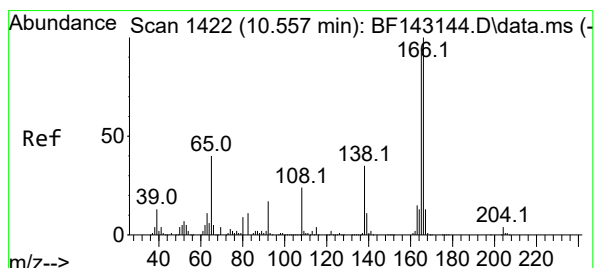
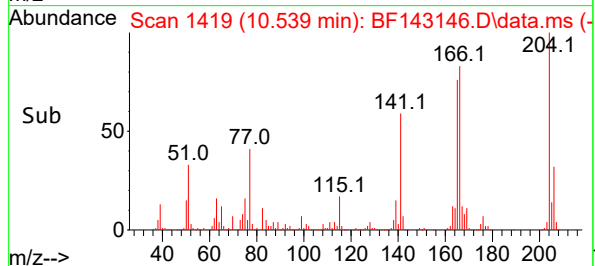
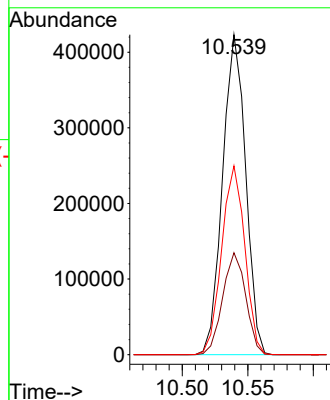
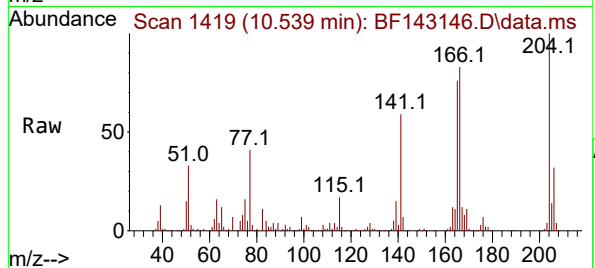




#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

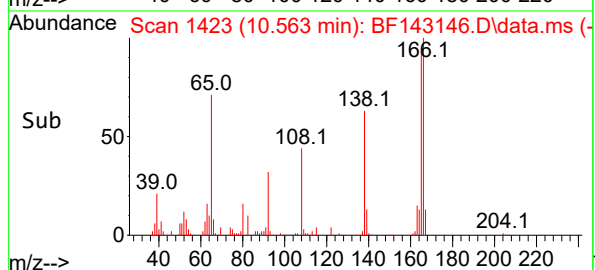
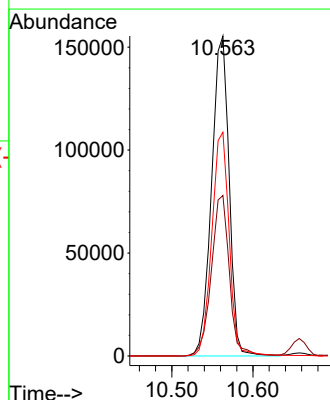
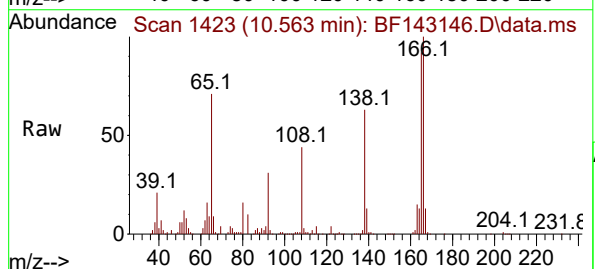
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

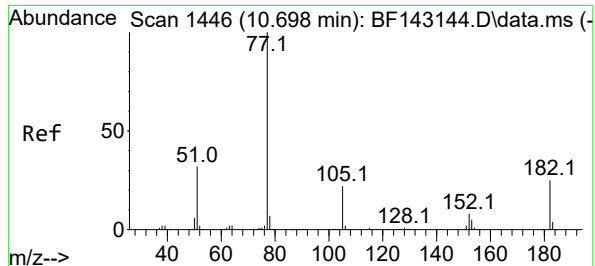
Tgt Ion:204 Resp: 516980
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 59.0 47.0 70.4



#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:138 Resp: 232488
Ion Ratio Lower Upper
138 100
92 50.2 29.3 69.3
108 69.9 48.3 88.3

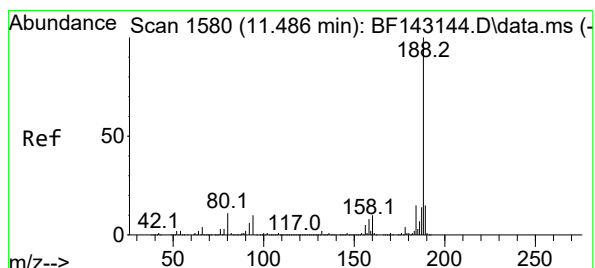
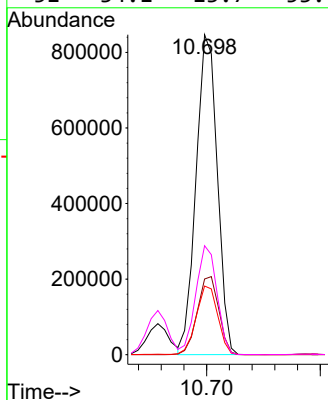
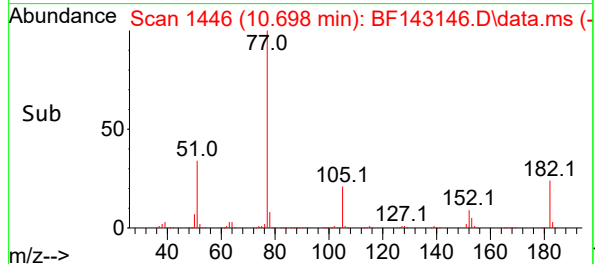
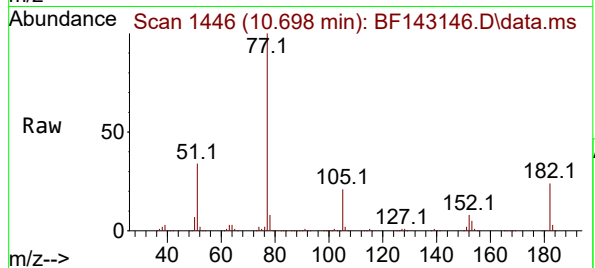




#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

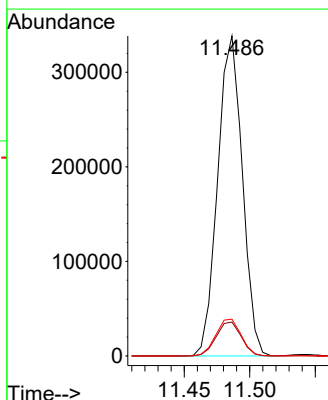
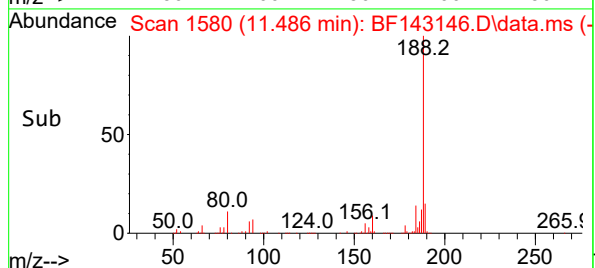
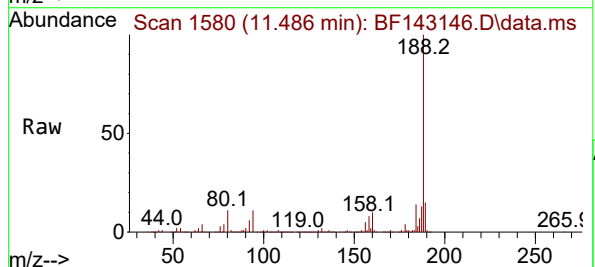
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

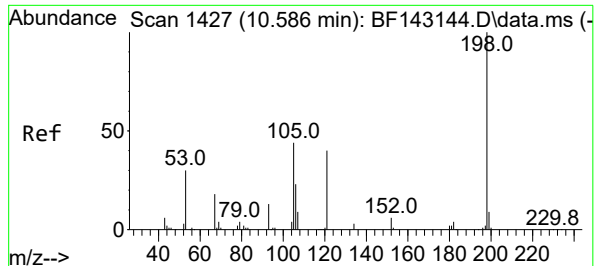
Tgt Ion: 77 Resp: 1098772
Ion Ratio Lower Upper
77 100
182 23.6 4.6 44.6
105 21.4 1.4 41.4
51 34.1 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 188 Resp: 442888
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.5 9.0 13.6

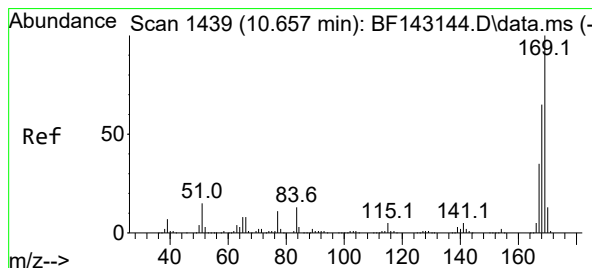
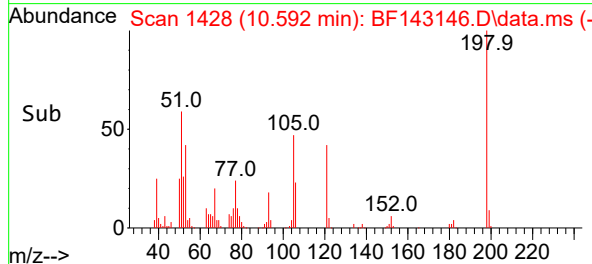
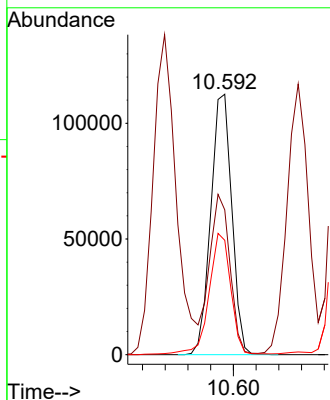
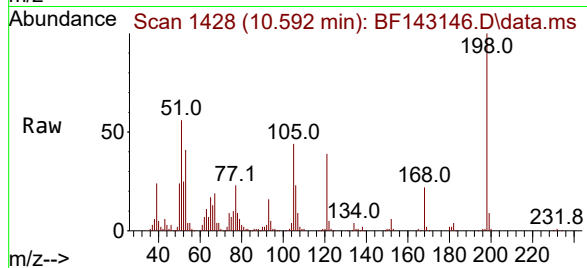




#65
4,6-Dinitro-2-methylphenol
Concen: 60.728 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

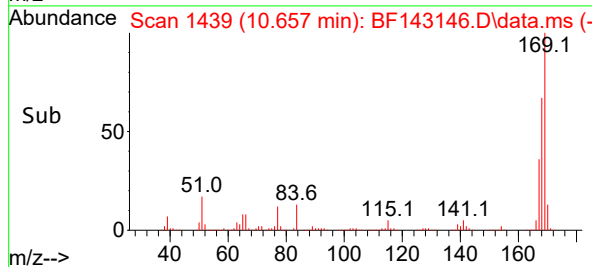
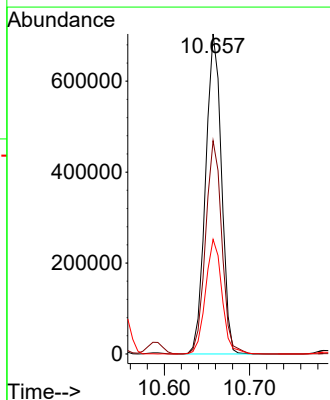
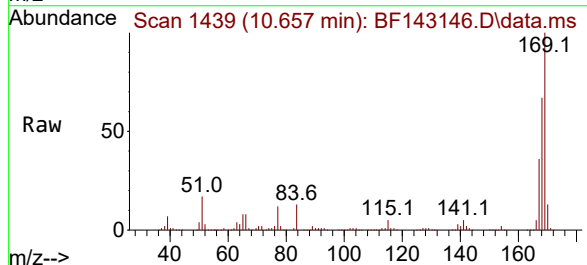
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

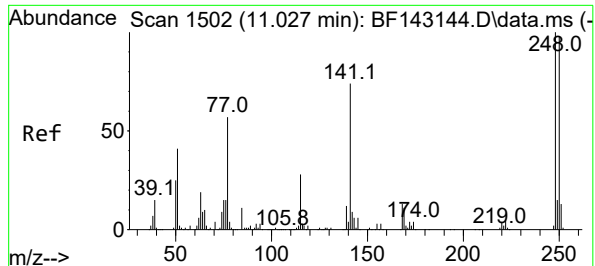
Tgt Ion:198 Resp: 144751
Ion Ratio Lower Upper
198 100
51 55.6 37.2 77.2
105 43.9 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 58.380 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:169 Resp: 910468
Ion Ratio Lower Upper
169 100
168 66.6 52.1 78.1
167 35.8 28.2 42.2

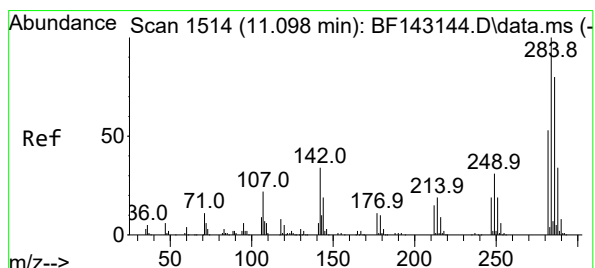
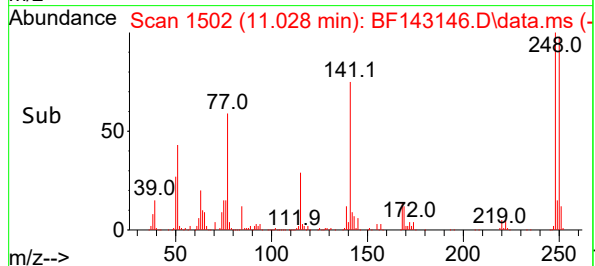
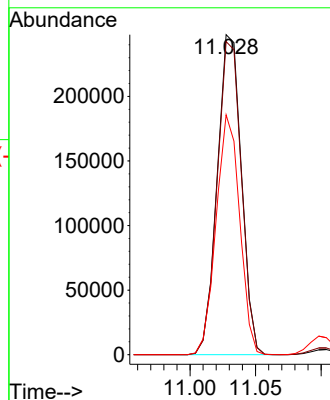
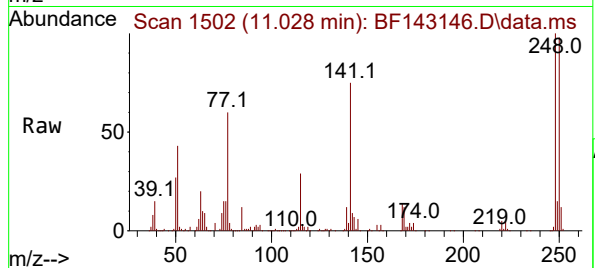




#67
4-Bromophenyl-phenylether
Concen: 60.266 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

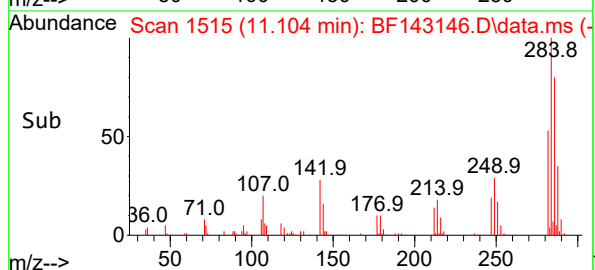
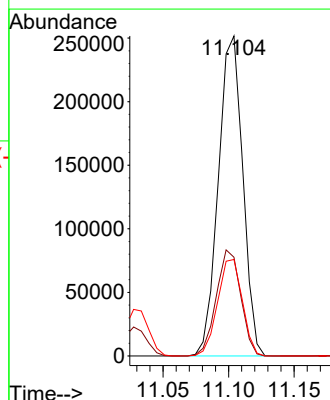
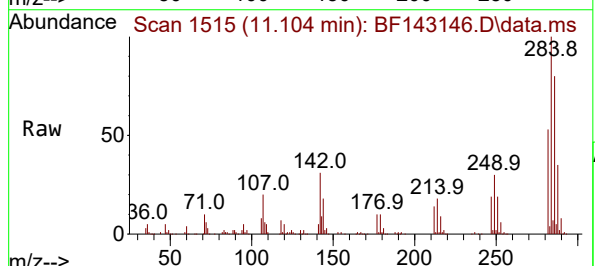
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

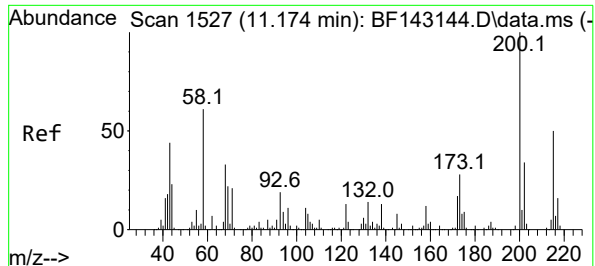
Tgt Ion:248 Resp: 318085
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 75.0 59.2 88.8



#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:284 Resp: 325779
Ion Ratio Lower Upper
284 100
142 30.9 27.0 40.6
249 30.1 25.0 37.6

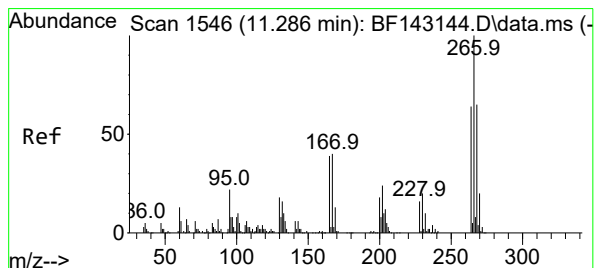
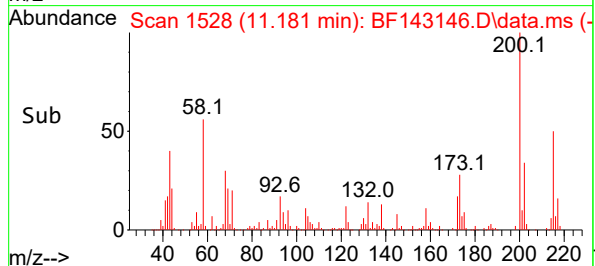
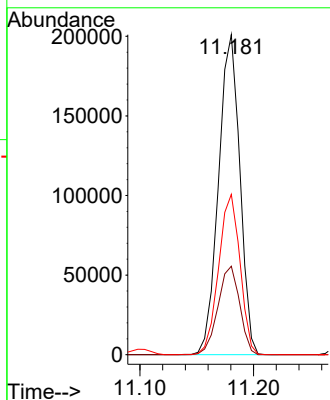
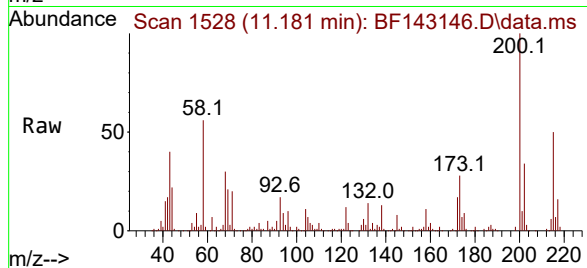




#69
Atrazine
Concen: 61.024 ng
RT: 11.181 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

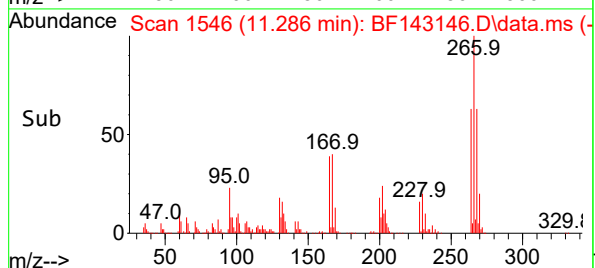
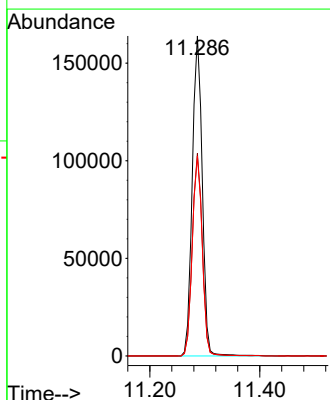
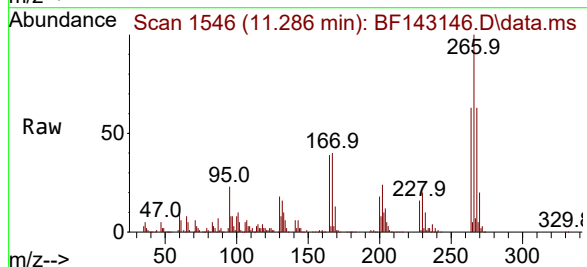
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

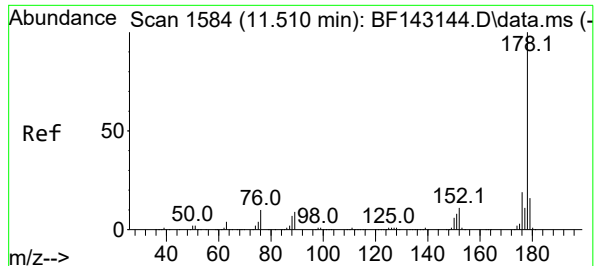
Tgt Ion:200 Resp: 262374
Ion Ratio Lower Upper
200 100
173 27.6 7.9 47.9
215 50.1 30.1 70.1



#70
Pentachlorophenol
Concen: 63.625 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:266 Resp: 206417
Ion Ratio Lower Upper
266 100
268 63.3 51.9 77.9
264 62.5 51.0 76.6





#71

Phenanthrene

Concen: 56.620 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

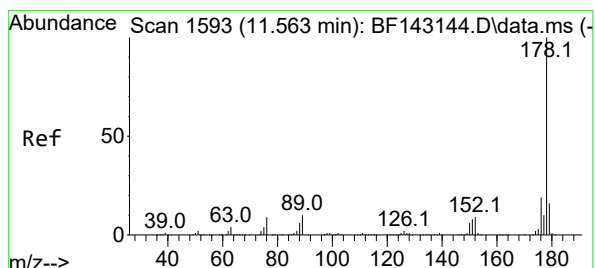
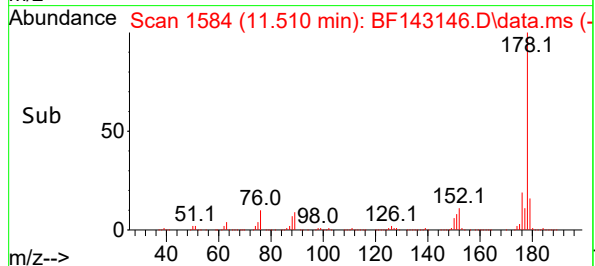
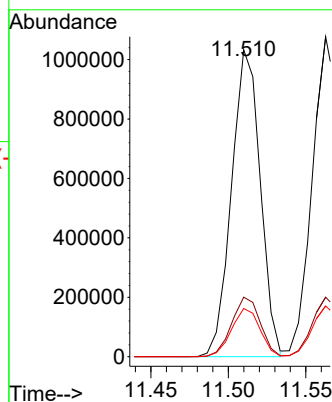
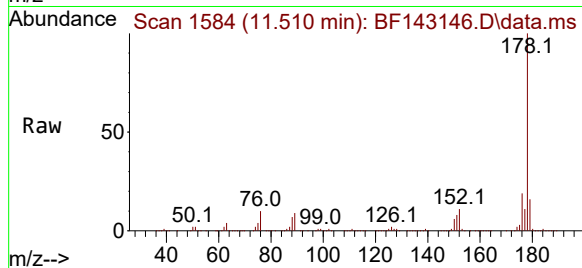
Tgt Ion:178 Resp: 1331485

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 57.522 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

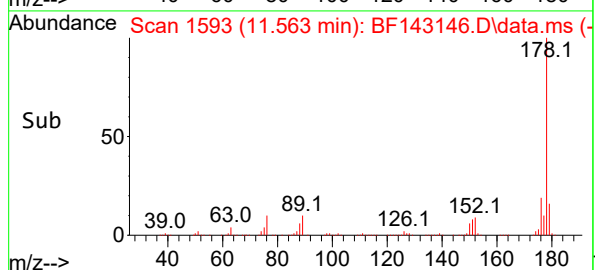
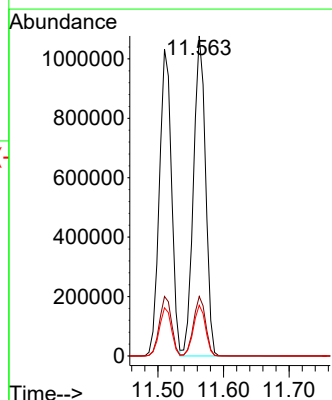
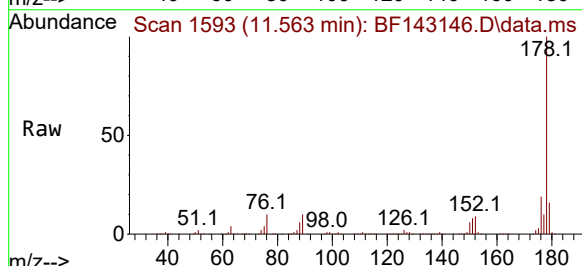
Tgt Ion:178 Resp: 1379601

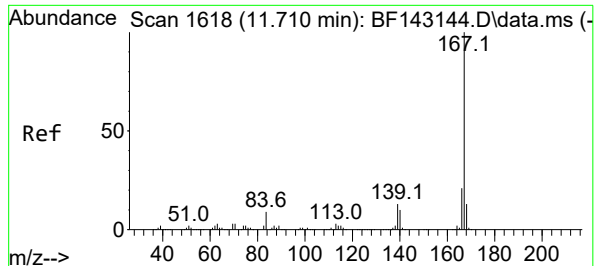
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.8 12.5 18.7

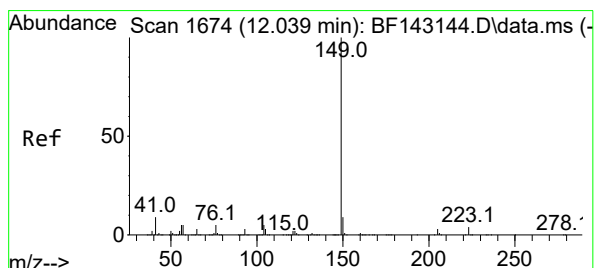
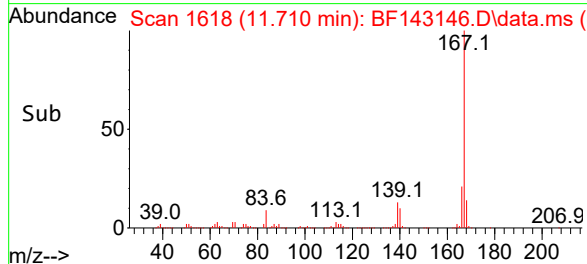
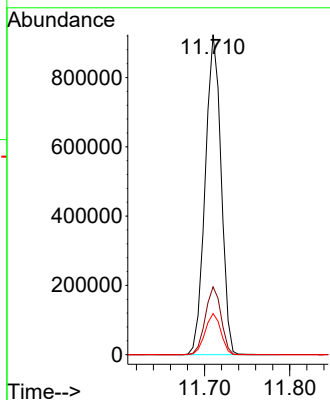
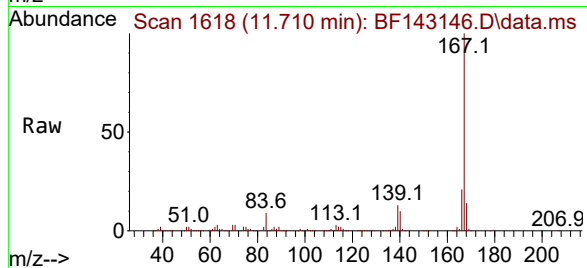




#73
Carbazole
Concen: 57.015 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

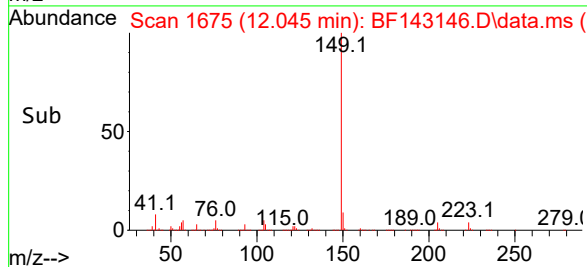
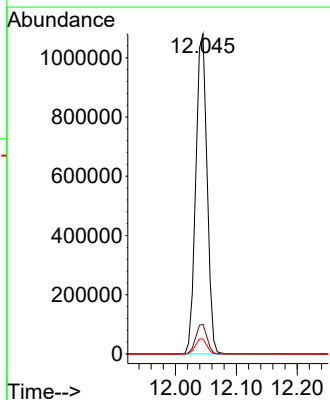
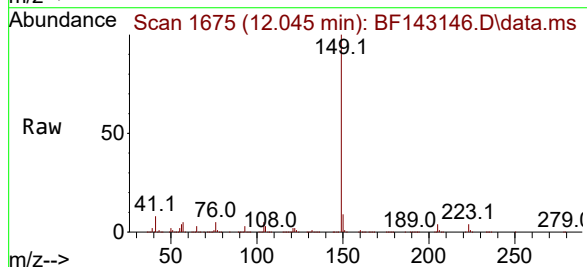
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

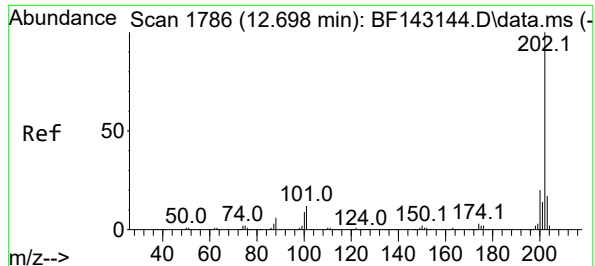
Tgt Ion:167 Resp: 1194026
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.9 10.0 15.0



#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1392335
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.7 3.8 5.8

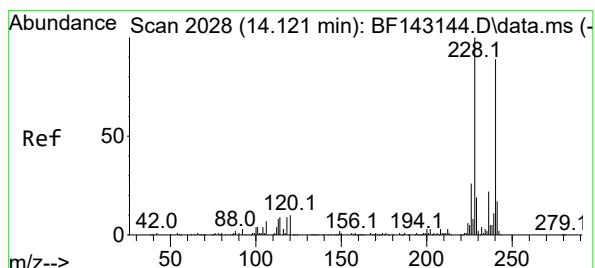
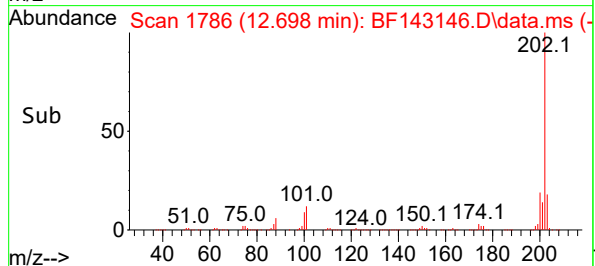
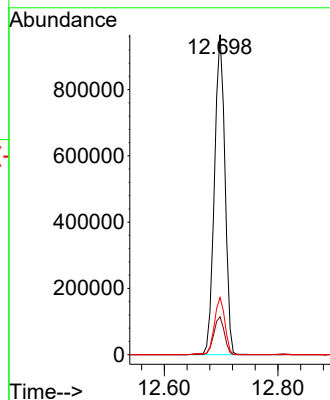
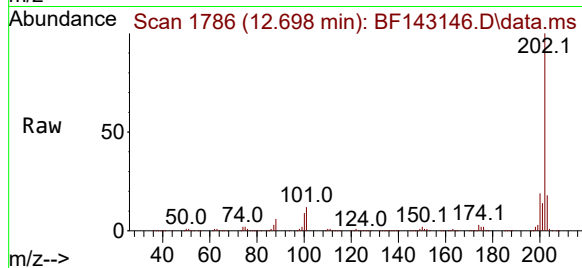




#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

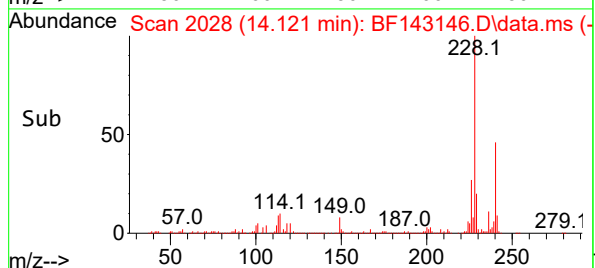
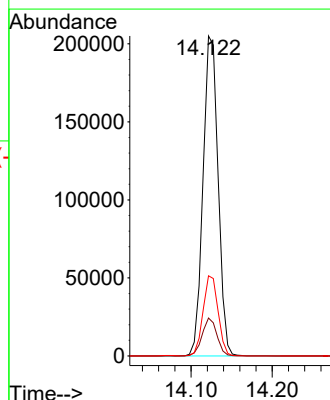
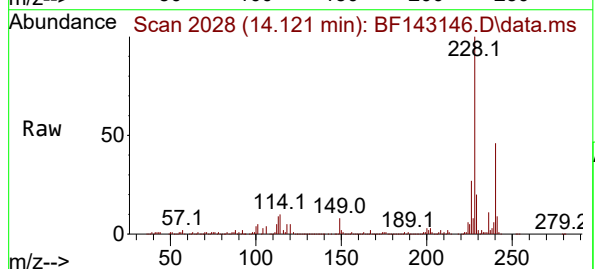
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

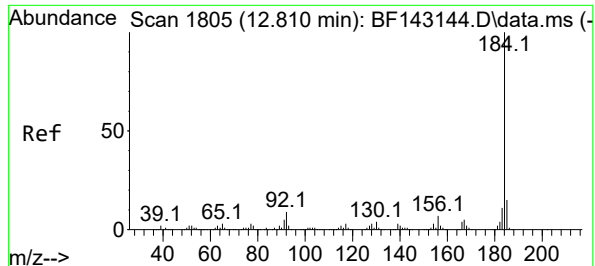
Tgt Ion:202 Resp: 1232952
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:240 Resp: 264384
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4

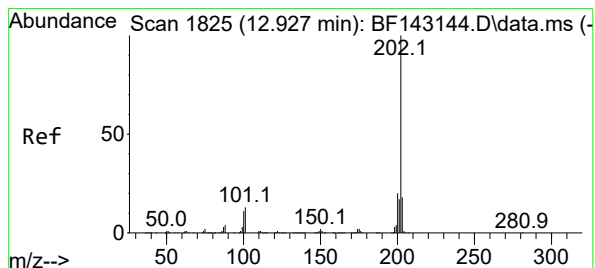
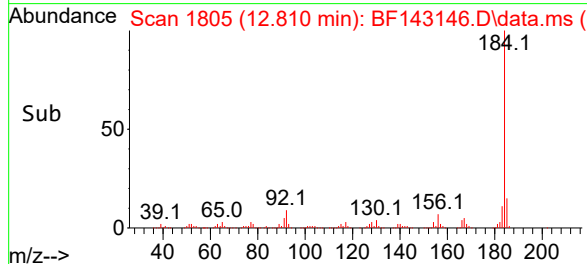
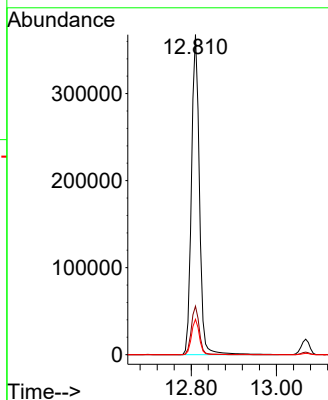
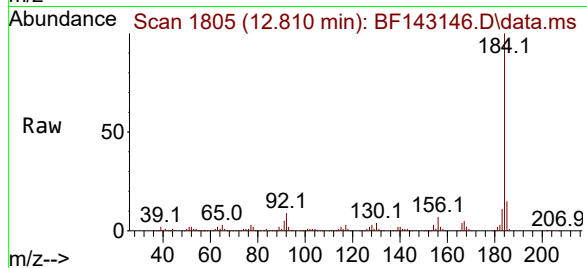




#77
Benzidine
Concen: 46.785 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

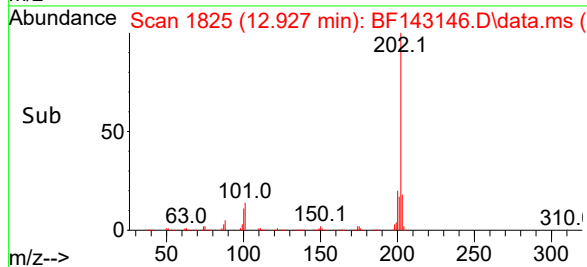
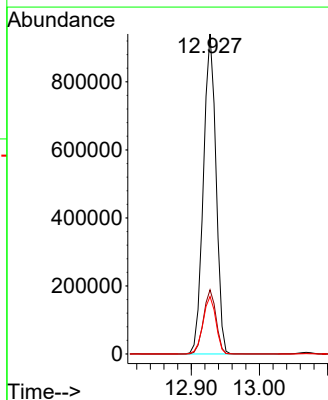
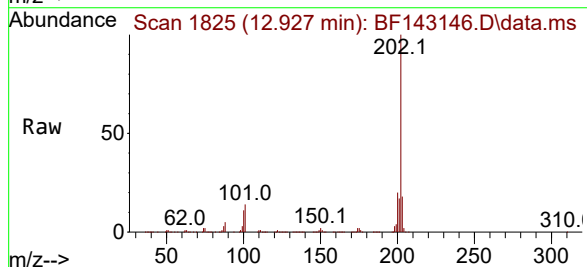
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

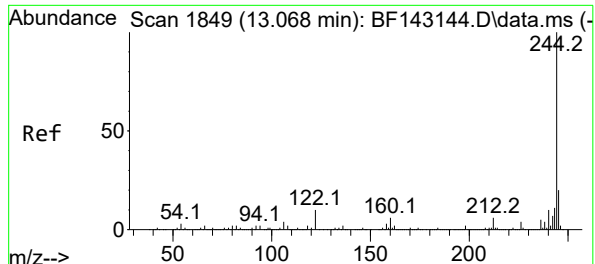
Tgt Ion:184 Resp: 476553
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.0 9.0 13.4



#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:202 Resp: 1207978
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 106.298 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

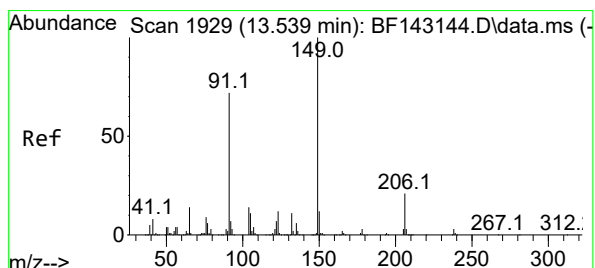
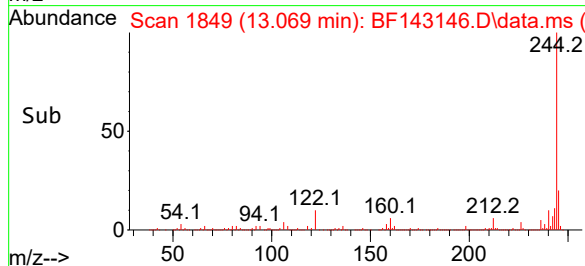
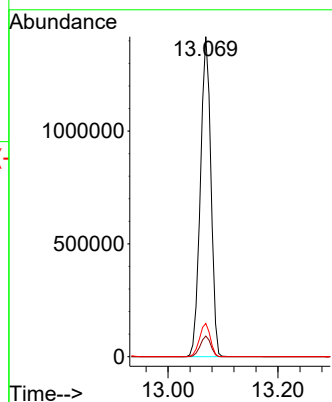
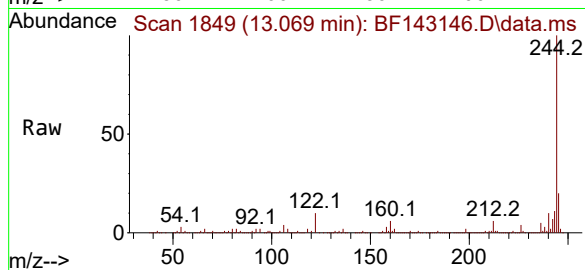
Tgt Ion:244 Resp: 1888544

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.4 8.2 12.2



#80

Butylbenzylphthalate

Concen: 63.875 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

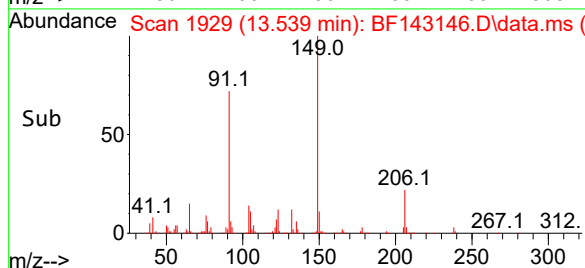
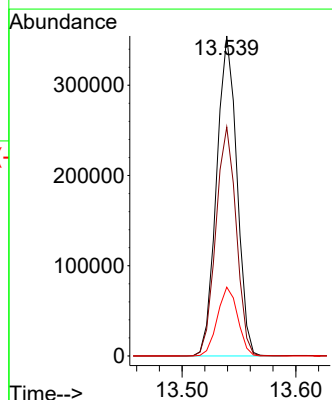
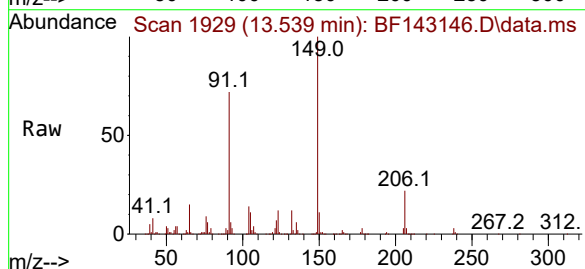
Tgt Ion:149 Resp: 441334

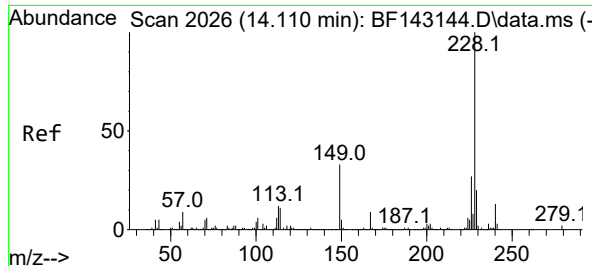
Ion Ratio Lower Upper

149 100

91 71.6 57.9 86.9

206 21.5 17.0 25.4

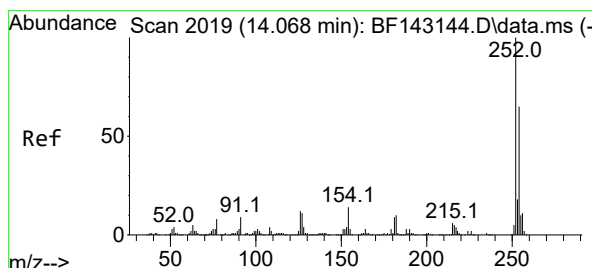
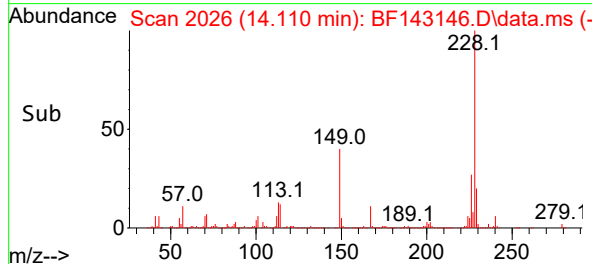
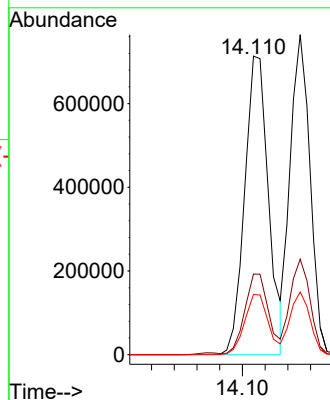
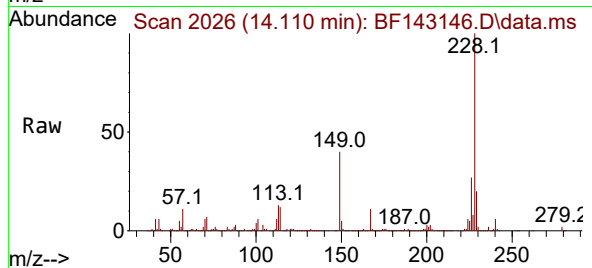




#81
Benzo(a)anthracene
Concen: 58.825 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

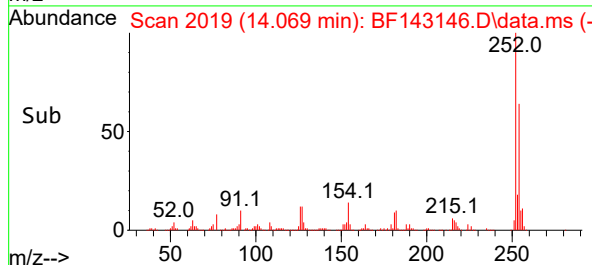
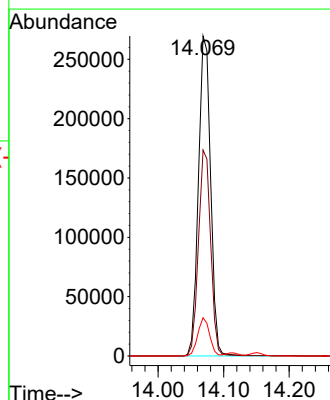
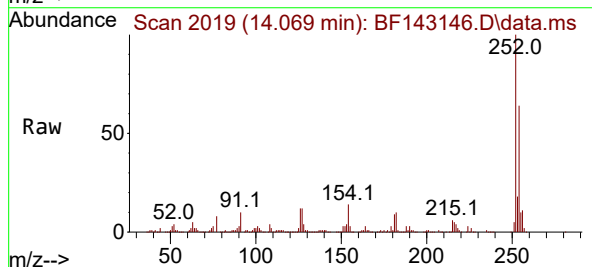
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

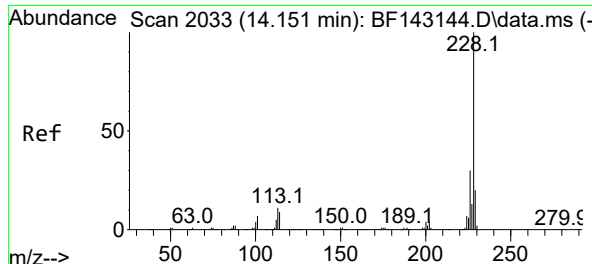
Tgt Ion:228 Resp: 1041236
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.2 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 348979
Ion Ratio Lower Upper
252 100
254 64.4 51.7 77.5
126 12.0 9.4 14.0





#83

Chrysene

Concen: 58.472 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

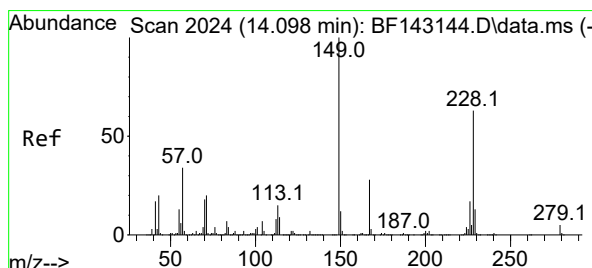
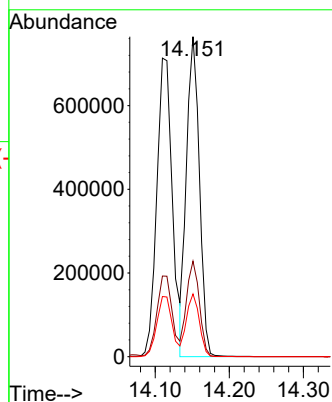
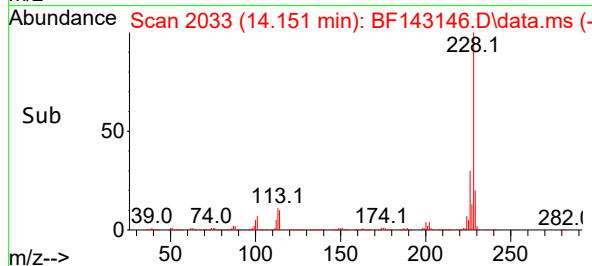
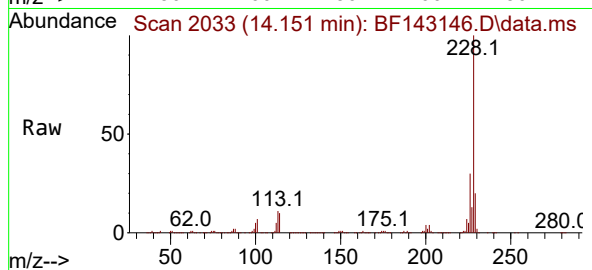
Tgt Ion:228 Resp: 930545

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.678 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

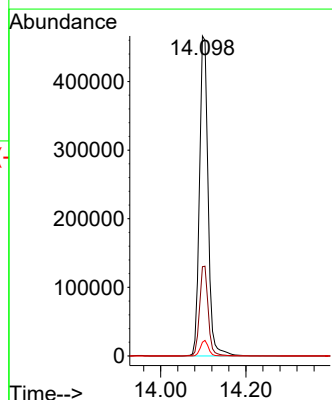
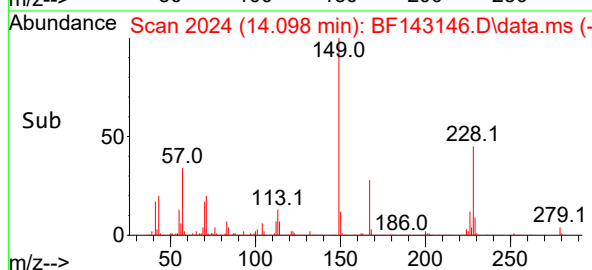
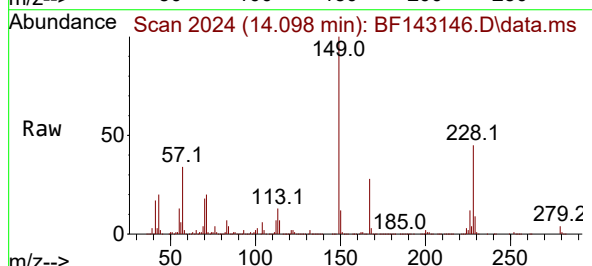
Tgt Ion:149 Resp: 655482

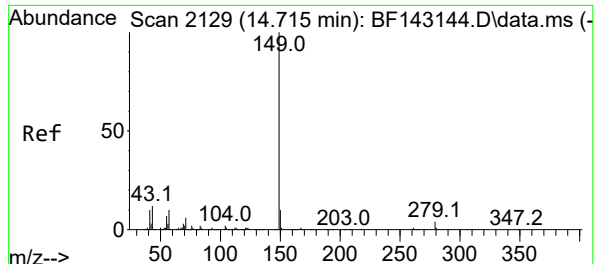
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.3 3.6 5.4

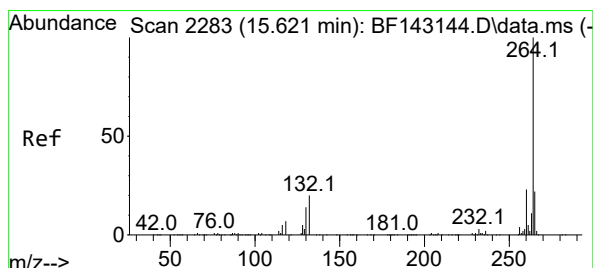
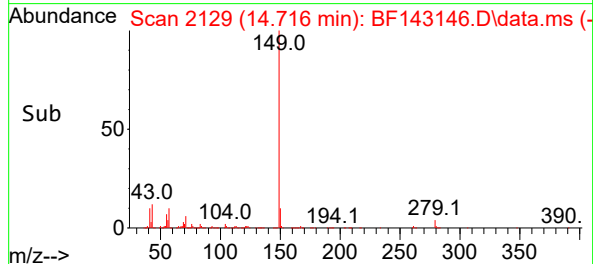
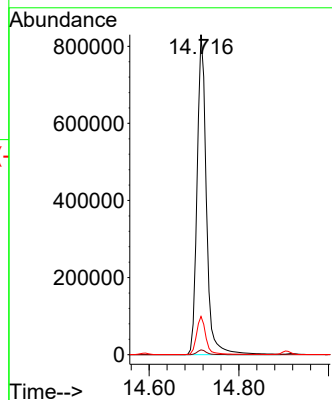
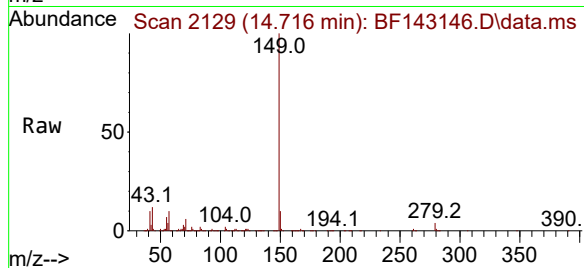




#85
Di-n-octyl phthalate
Concen: 63.095 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

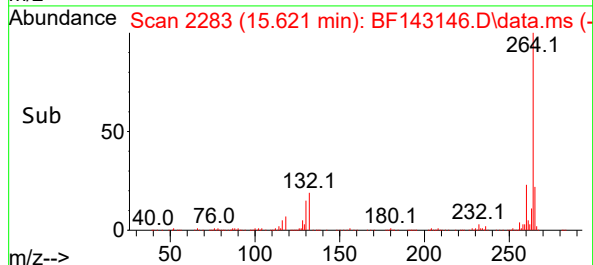
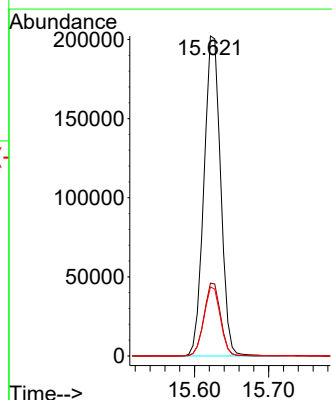
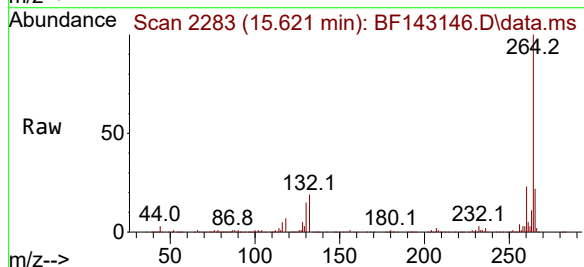
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

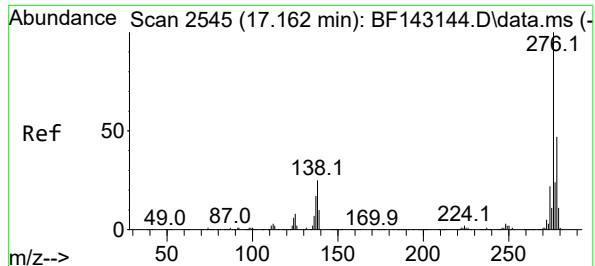
Tgt Ion:149 Resp: 1196044
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.0 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:264 Resp: 315904
Ion Ratio Lower Upper
264 100
260 22.7 18.5 27.7
265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.037 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

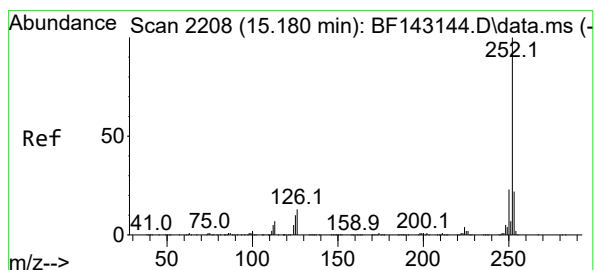
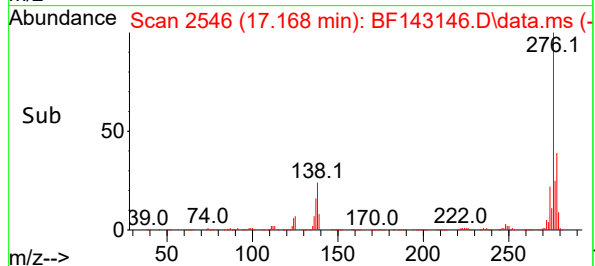
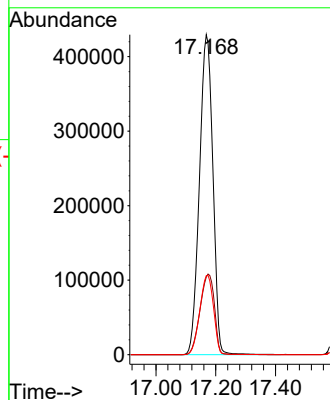
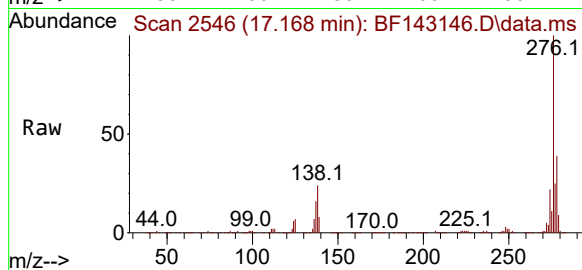
Tgt Ion:276 Resp: 1337361

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 58.328 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

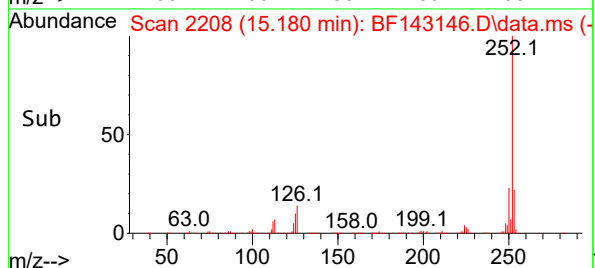
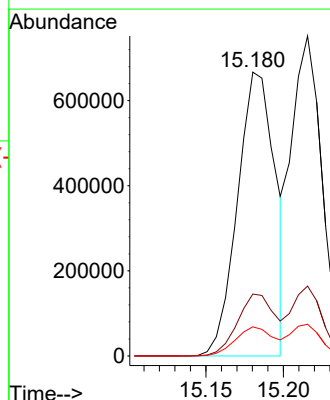
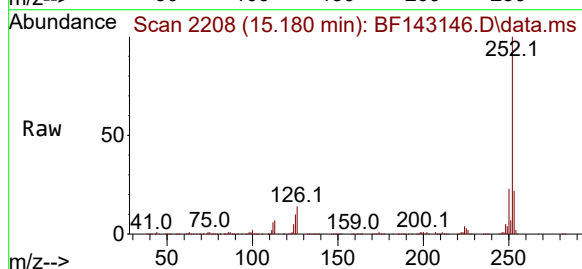
Tgt Ion:252 Resp: 1125667

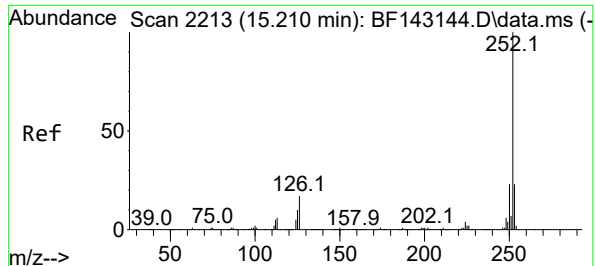
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 59.411 ng

RT: 15.216 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

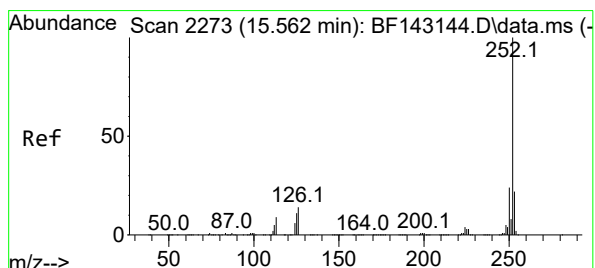
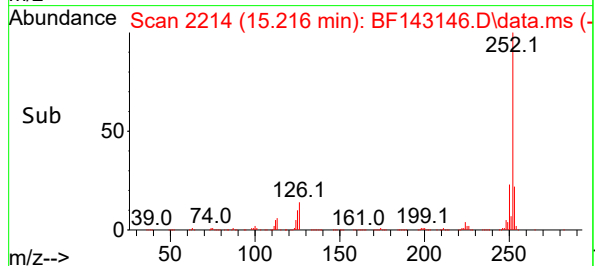
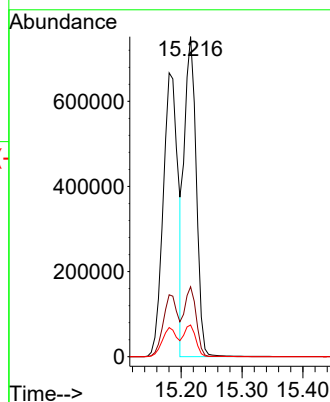
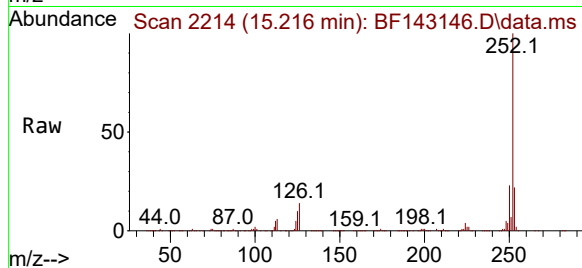
Tgt Ion:252 Resp: 1023132

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 59.730 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

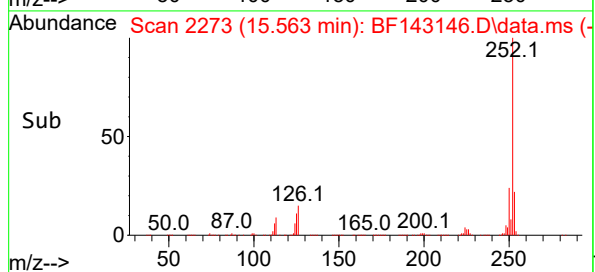
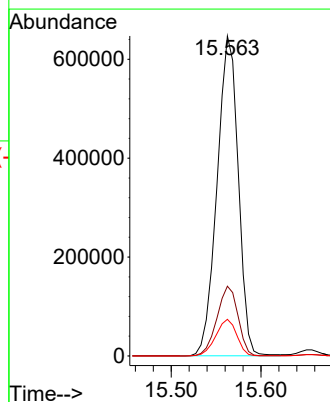
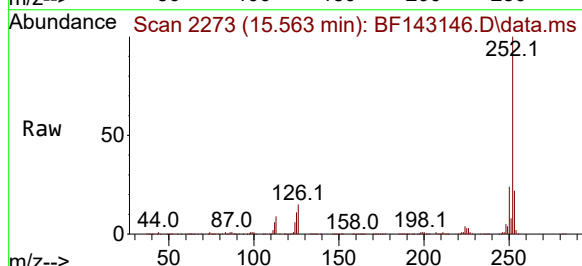
Tgt Ion:252 Resp: 1062049

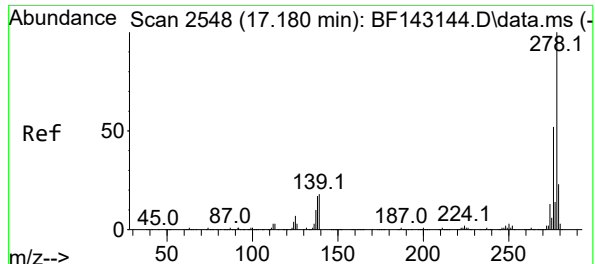
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.5 8.6 13.0

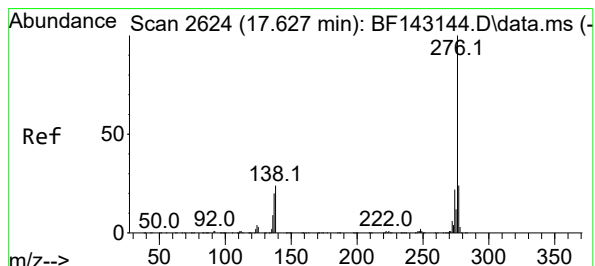
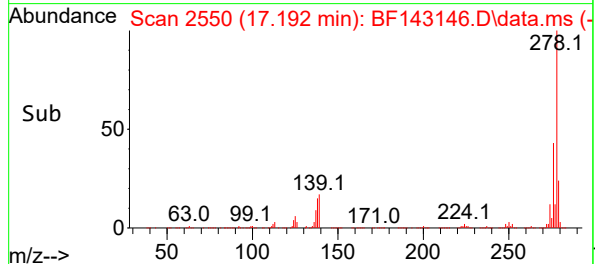
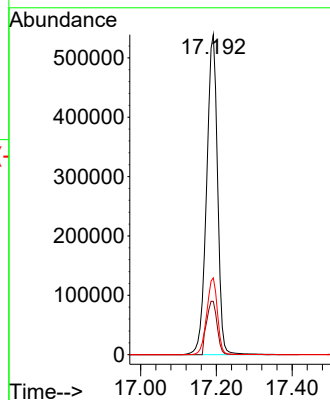
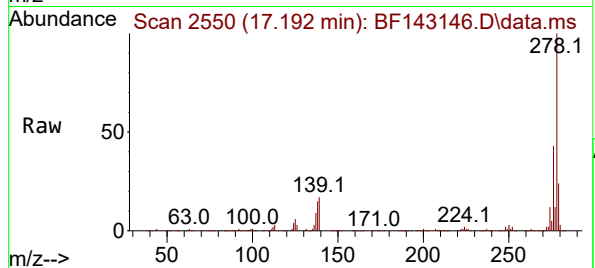




#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

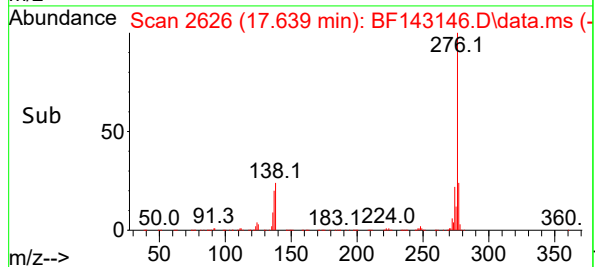
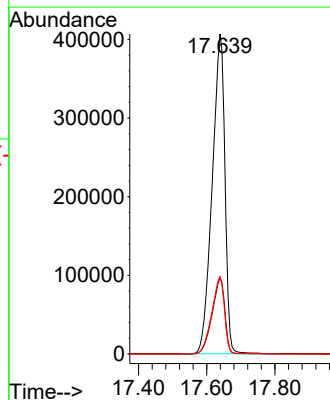
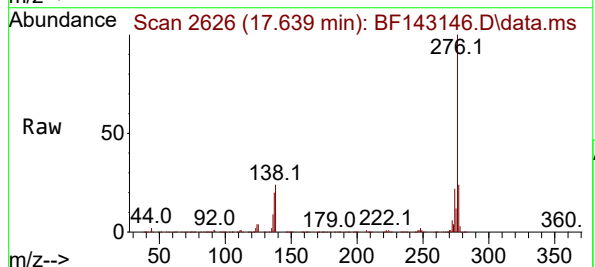
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1080768
Ion Ratio Lower Upper
278 100
139 16.6 14.1 21.1
279 24.0 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 1055168
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jul 17 15:05:57 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	145034	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	544516	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	275619	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	429046	20.000	ng	0.00
76) Chrysene-d12	14.127	240	245351	20.000	ng	0.00
86) Perylene-d12	15.627	264	296687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1300344	141.880	ng	0.00
7) Phenol-d6	6.593	99	1639937	142.159	ng	0.00
23) Nitrobenzene-d5	7.534	82	1644581	150.551	ng	0.01
42) 2,4,6-Tribromophenol	10.792	330	437054	153.498	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2623071	130.157	ng	0.00
79) Terphenyl-d14	13.069	244	2202828	133.606	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	323993	74.710	ng	99
3) Pyridine	3.569	79	842446	74.844	ng	99
4) n-Nitrosodimethylamine	3.528	42	445612	76.677	ng	97
6) Aniline	6.628	93	1170943	72.831	ng	98
8) 2-Chlorophenol	6.751	128	699193	72.781	ng	99
9) Benzaldehyde	6.516	77	493544	57.055	ng	99
10) Phenol	6.610	94	888041m	70.663	ng	
11) bis(2-Chloroethyl)ether	6.698	93	697645	72.503	ng	100
12) 1,3-Dichlorobenzene	6.910	146	734699	70.400	ng	100
13) 1,4-Dichlorobenzene	6.987	146	739462	70.360	ng	99
14) 1,2-Dichlorobenzene	7.140	146	709300	70.958	ng	100
15) Benzyl Alcohol	7.104	79	661847	75.139	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1265589	70.902	ng	99
17) 2-Methylphenol	7.210	107	595477	73.719	ng	99
18) Hexachloroethane	7.481	117	266665	73.293	ng	99
19) n-Nitroso-di-n-propyla...	7.387	70	528820	71.452	ng	99
20) 3+4-Methylphenols	7.369	107	673906	68.763	ng	# 87
22) Acetophenone	7.375	105	890890	69.107	ng	# 95
24) Nitrobenzene	7.551	77	751964	73.836	ng	100
25) Isophorone	7.792	82	1453353	75.366	ng	99
26) 2-Nitrophenol	7.863	139	364951	82.568	ng	100
27) 2,4-Dimethylphenol	7.898	122	649144	72.050	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	834021	72.134	ng	99
29) 2,4-Dichlorophenol	8.104	162	558665	73.527	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	588333	71.673	ng	99
31) Naphthalene	8.269	128	1854387	69.150	ng	100
32) Benzoic acid	8.028	122	423625m	79.801	ng	
33) 4-Chloroaniline	8.310	127	787243	71.895	ng	98
34) Hexachlorobutadiene	8.392	225	368327	73.453	ng	99
35) Caprolactam	8.698	113	178271	77.644	ng	96
36) 4-Chloro-3-methylphenol	8.792	107	614048	74.354	ng	99
37) 2-Methylnaphthalene	8.957	142	1137176	69.687	ng	100
38) 1-Methylnaphthalene	9.057	142	1168702	69.550	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	568070	71.389	ng	99
41) Hexachlorocyclopentadiene	9.122	237	412756	79.719	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	412148	74.838	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

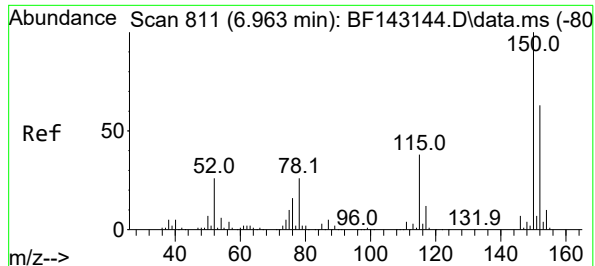
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	423565	76.888	ng	99
46) 1,1'-Biphenyl	9.428	154	1492094	69.388	ng	100
47) 2-Chloronaphthalene	9.451	162	1131626	71.122	ng	100
48) 2-Nitroaniline	9.534	65	404023	80.971	ng	96
49) Acenaphthylene	9.869	152	1868062	70.057	ng	100
50) Dimethylphthalate	9.728	163	1288559	71.723	ng	99
51) 2,6-Dinitrotoluene	9.781	165	292718	80.093	ng	99
52) Acenaphthene	10.039	154	1120315	71.086	ng	99
53) 3-Nitroaniline	9.951	138	333980	78.128	ng	98
54) 2,4-Dinitrophenol	10.051	184	133446	80.516	ng	# 40
55) Dibenzofuran	10.210	168	1615399	69.038	ng	99
56) 4-Nitrophenol	10.098	139	252698	79.161	ng	99
57) 2,4-Dinitrotoluene	10.186	165	376124	82.029	ng	96
58) Fluorene	10.551	166	1197731	68.203	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	340118	74.533	ng	100
60) Diethylphthalate	10.422	149	1276217	71.870	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	614962	70.326	ng	99
62) 4-Nitroaniline	10.569	138	291926	79.680	ng	98
63) Azobenzene	10.704	77	1318720	71.255	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	186415	78.948	ng	98
66) n-Nitrosodiphenylamine	10.663	169	1087990	72.014	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	382122	74.734	ng	98
68) Hexachlorobenzene	11.104	284	399107	74.680	ng	96
69) Atrazine	11.180	200	324126	77.819	ng	99
70) Pentachlorophenol	11.286	266	257176	81.829	ng	98
71) Phenanthrene	11.516	178	1602208	70.331	ng	100
72) Anthracene	11.563	178	1641264	70.640	ng	100
73) Carbazole	11.710	167	1435444	70.754	ng	99
74) Di-n-butylphthalate	12.045	149	1699503	74.034	ng	100
75) Fluoranthene	12.698	202	1498103	71.645	ng	99
78) Pyrene	12.927	202	1466205	70.021	ng	100
80) Butylbenzylphthalate	13.539	149	521631	81.353	ng	99
81) Benzo(a)anthracene	14.116	228	1212056	73.788	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	393448	71.867	ng	99
83) Chrysene	14.151	228	1105636	74.863	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	774366	79.790	ng	99
85) Di-n-octyl phthalate	14.716	149	1434055	81.519	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	1604969	76.718	ng	99
88) Benzo(b)fluoranthene	15.186	252	1438518	79.367	ng	100
89) Benzo(k)fluoranthene	15.216	252	1111726	68.737	ng	100
90) Benzo(a)pyrene	15.568	252	1269253	76.006	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	1289789	75.746	ng	99
92) Benzo(g,h,i)perylene	17.645	276	1265778	76.846	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

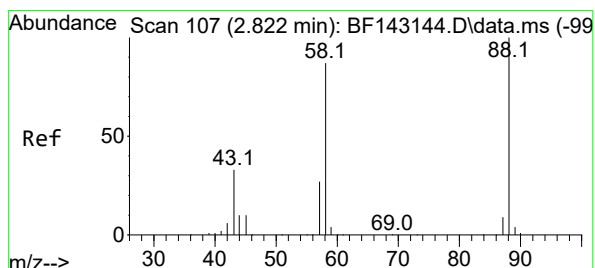
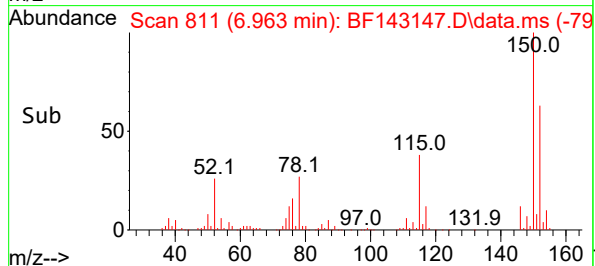
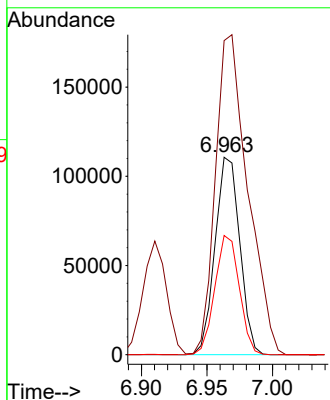
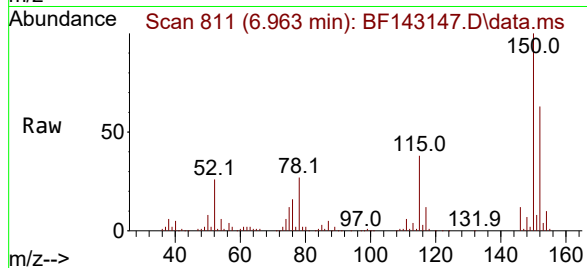
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

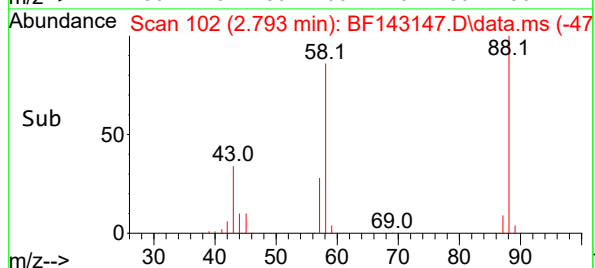
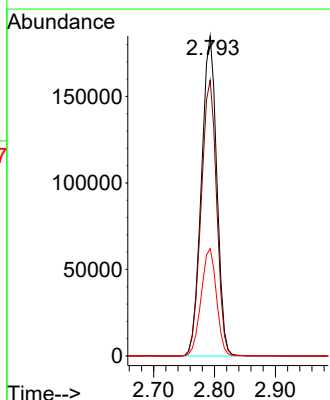
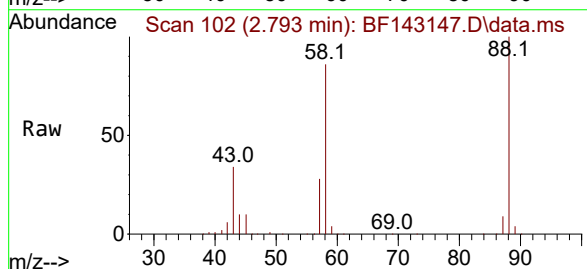
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

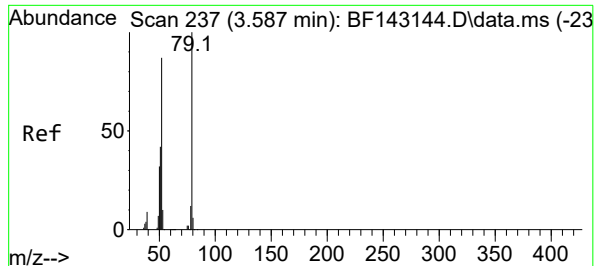
Tgt Ion:152 Resp: 145034
Ion Ratio Lower Upper
152 100
150 159.0 128.2 192.4
115 60.4 47.9 71.9



#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

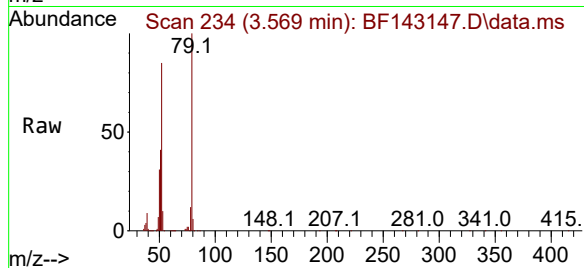
Tgt Ion: 88 Resp: 323993
Ion Ratio Lower Upper
88 100
58 86.8 70.2 105.2
43 33.6 27.1 40.7



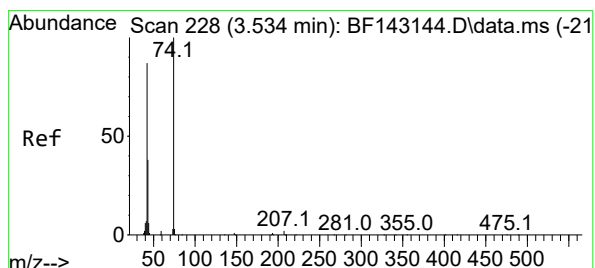
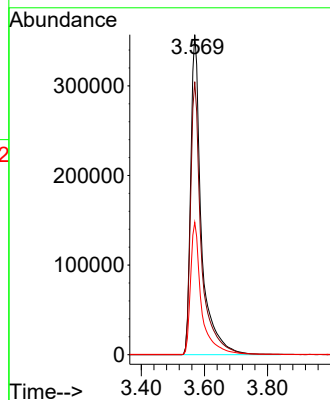
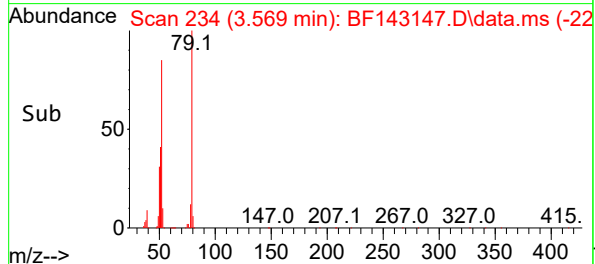


#3
Pyridine
Concen: 74.844 ng
RT: 3.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

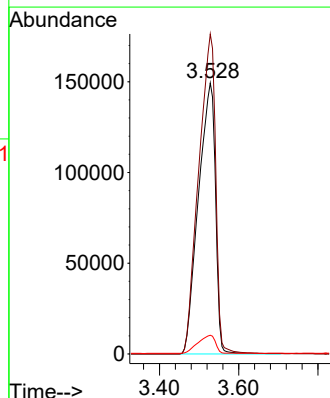
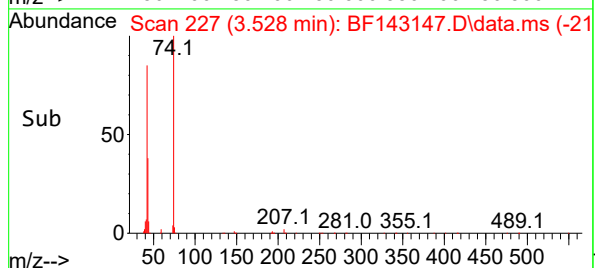
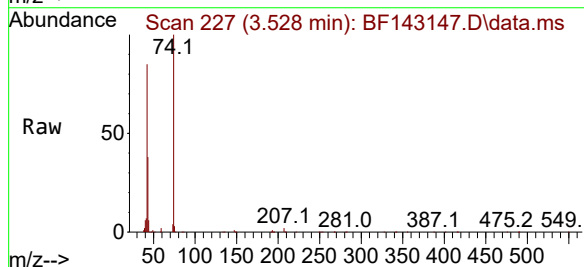


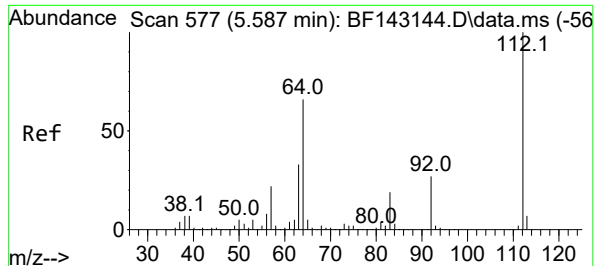
Tgt Ion: 79 Resp: 842446
Ion Ratio Lower Upper
79 100
52 85.3 69.4 104.2
51 41.4 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 76.677 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 42 Resp: 445612
Ion Ratio Lower Upper
42 100
74 118.0 91.7 137.5
44 6.9 5.6 8.4

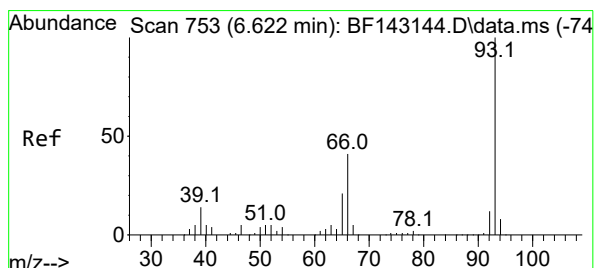
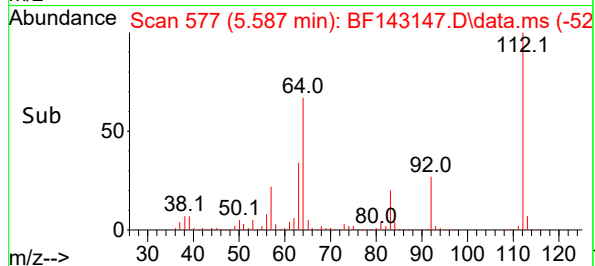
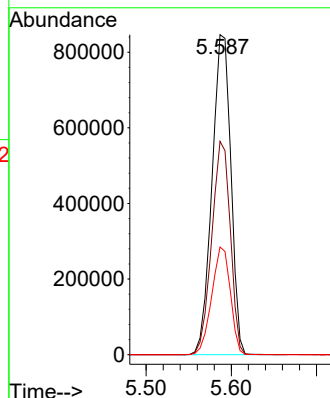
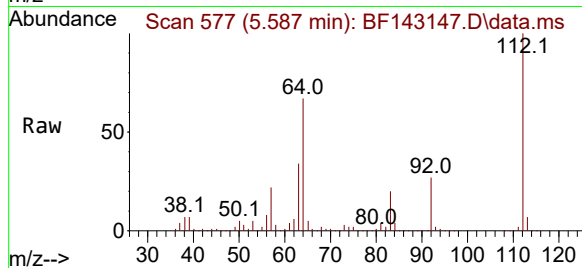




#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

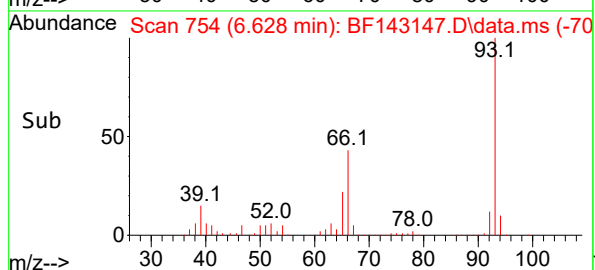
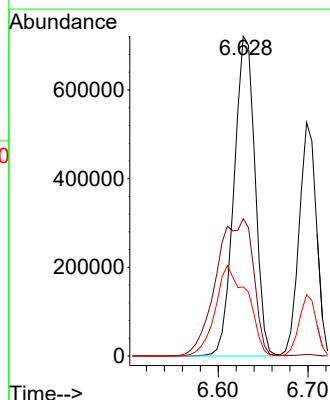
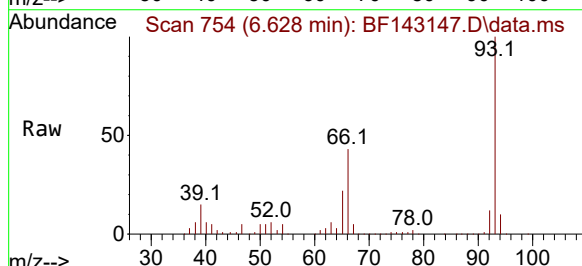
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

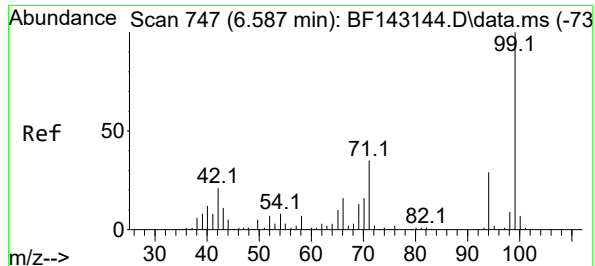
Tgt Ion:112 Resp: 1300344
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.6 26.6 40.0



#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 1170943
Ion Ratio Lower Upper
93 100
66 42.9 33.2 49.8
65 21.6 16.9 25.3





#7

Phenol-d6

Concen: 142.159 ng

RT: 6.593 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

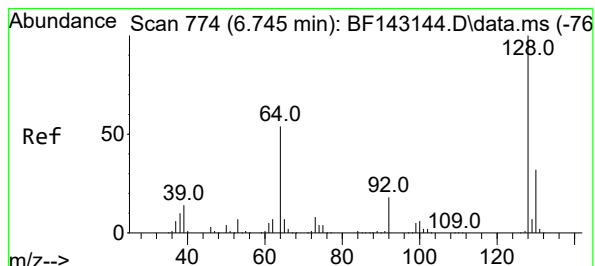
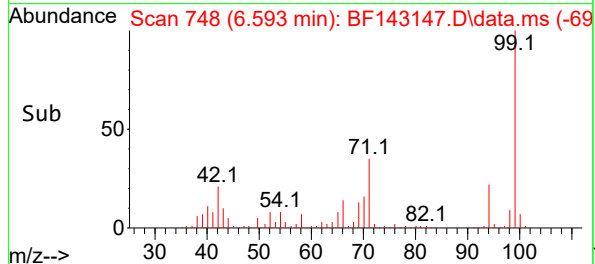
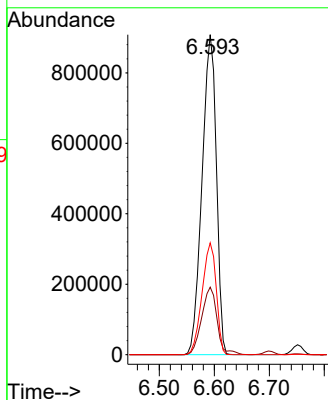
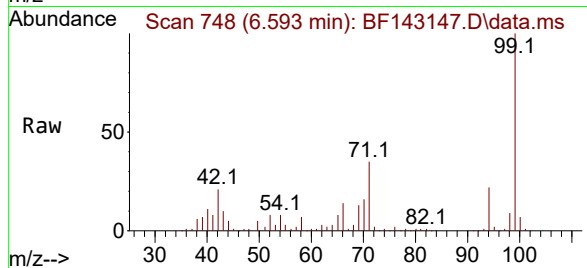
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 1639937

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	35.0	27.7	41.5



#8

2-Chlorophenol

Concen: 72.781 ng

RT: 6.751 min Scan# 775

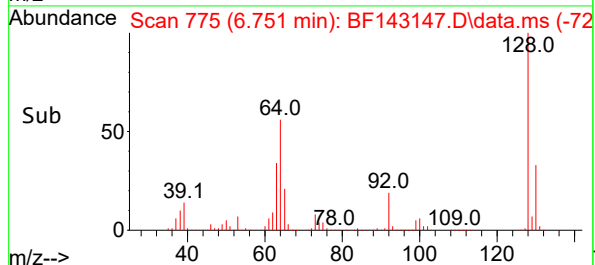
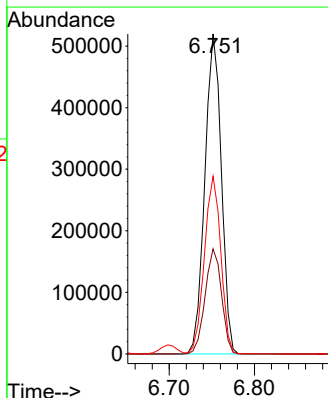
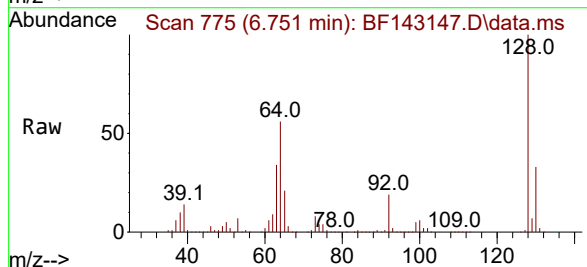
Delta R.T. 0.006 min

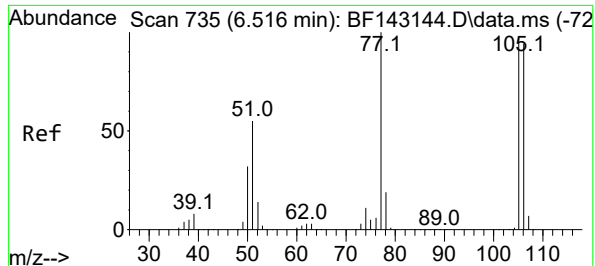
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:128 Resp: 699193

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	55.5	35.9	75.9

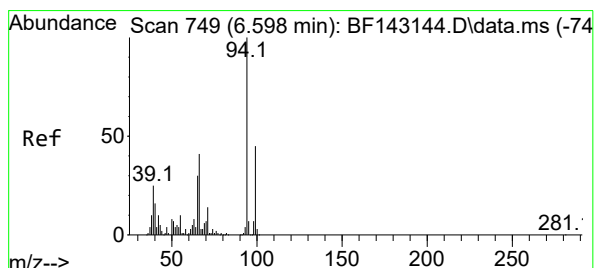
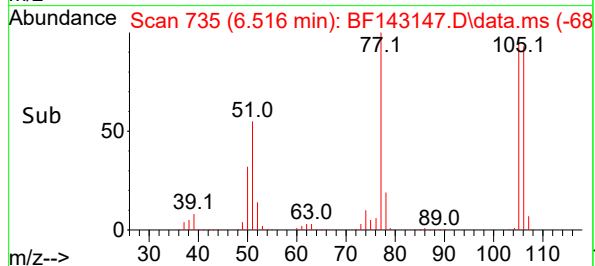
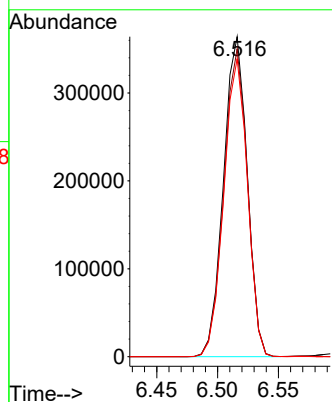
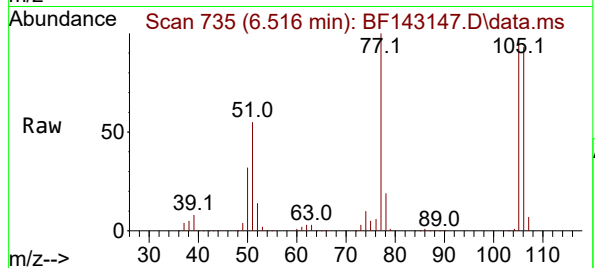




#9
Benzaldehyde
Concen: 57.055 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

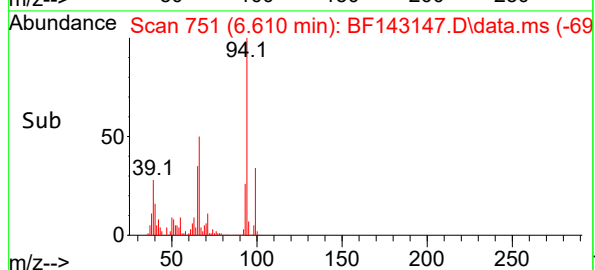
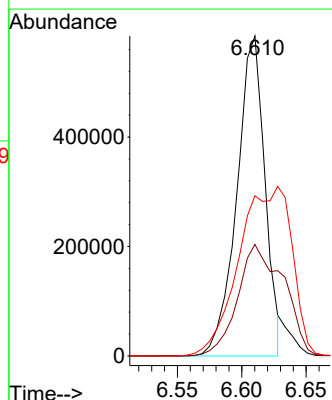
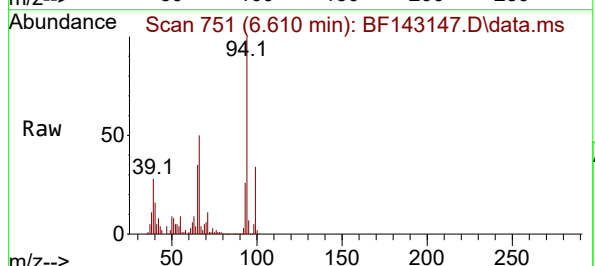
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

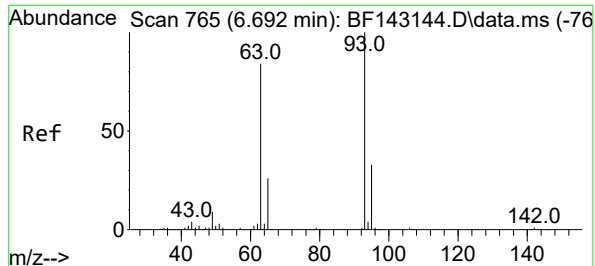
Tgt Ion: 77 Resp: 493544
Ion Ratio Lower Upper
77 100
105 96.2 76.8 116.8
106 93.1 74.4 114.4



#10
Phenol
Concen: 70.663 ng m
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 94 Resp: 888041
Ion Ratio Lower Upper
94 100
65 34.9 10.0 50.0
66 50.1 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 72.503 ng

RT: 6.698 min Scan# 766

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

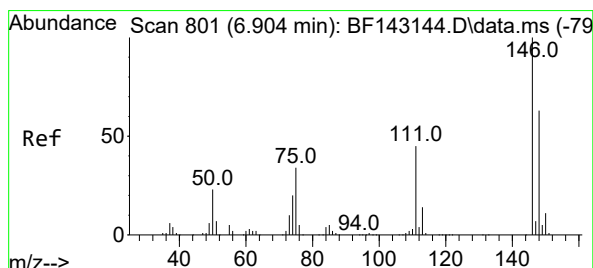
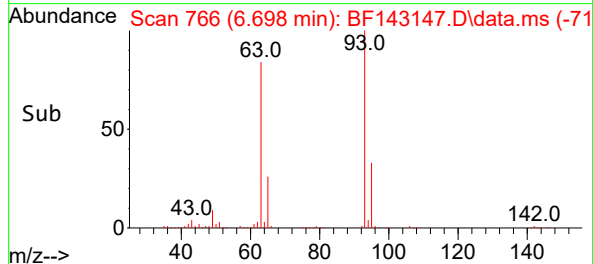
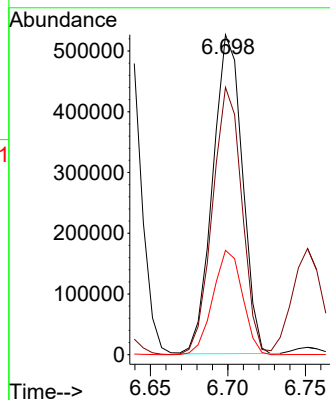
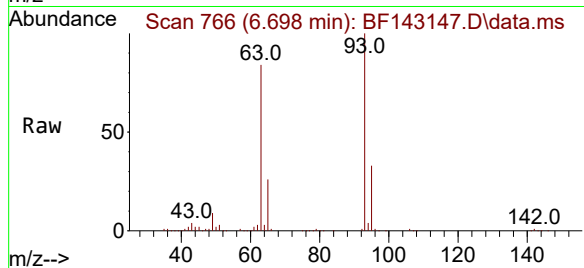
Tgt Ion: 93 Resp: 697645

Ion Ratio Lower Upper

93 100

63 83.6 63.4 103.4

95 32.6 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 70.400 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

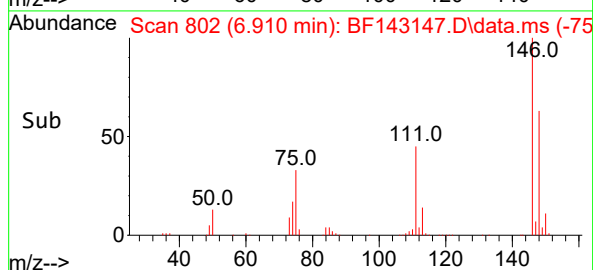
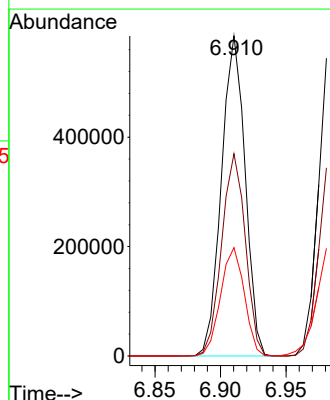
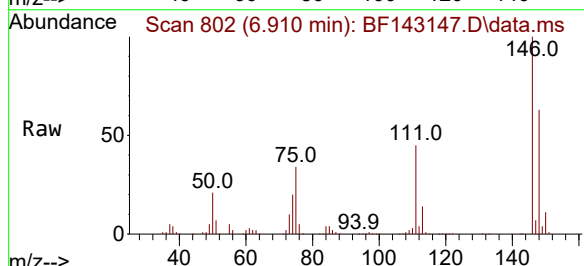
Tgt Ion:146 Resp: 734699

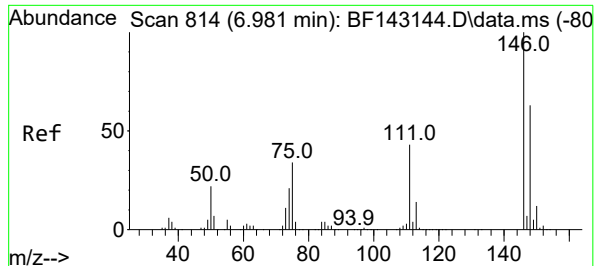
Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

75 33.9 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 70.360 ng

RT: 6.987 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

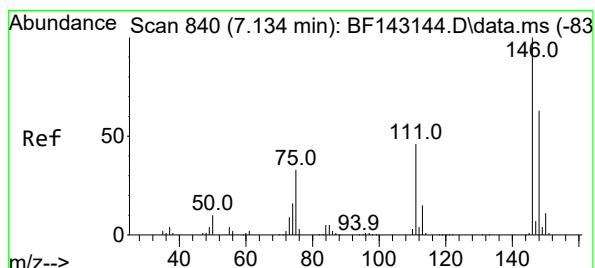
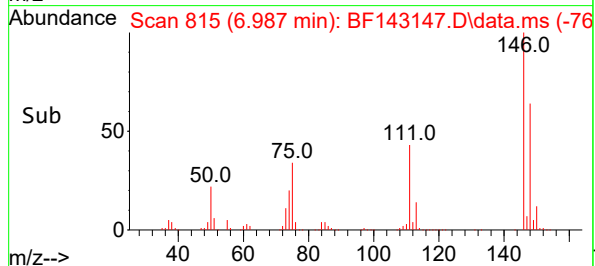
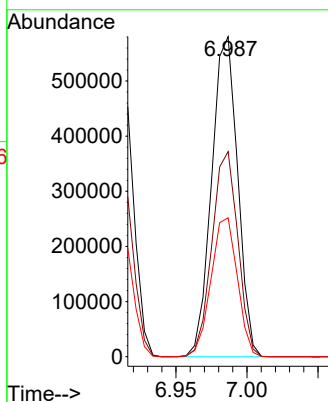
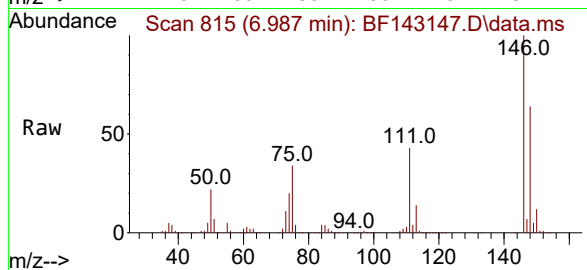
Tgt Ion:146 Resp: 739462

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 43.4 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 70.958 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

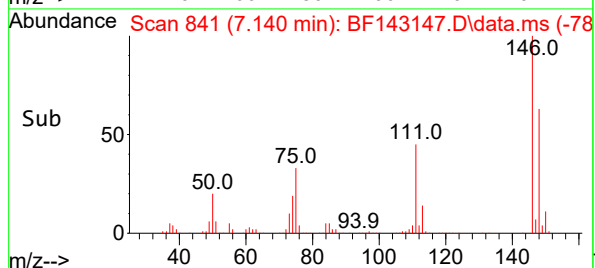
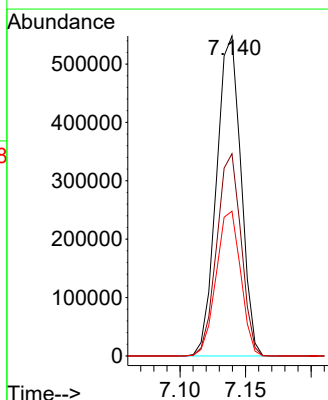
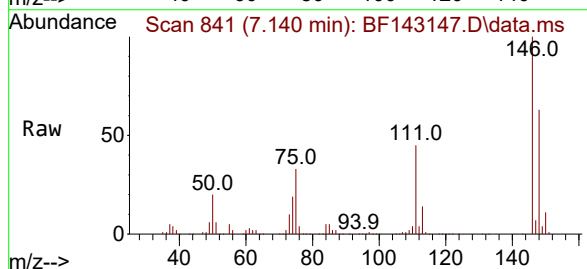
Tgt Ion:146 Resp: 709300

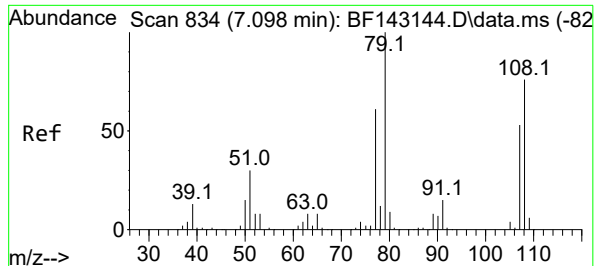
Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

111 45.3 36.6 54.8





#15

Benzyl Alcohol

Concen: 75.139 ng

RT: 7.104 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

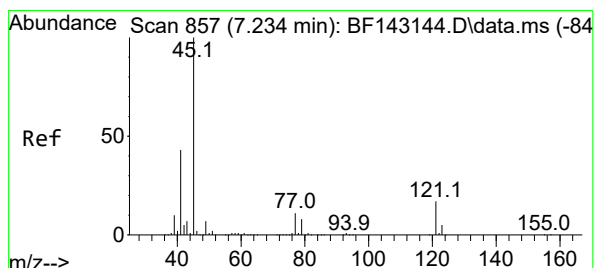
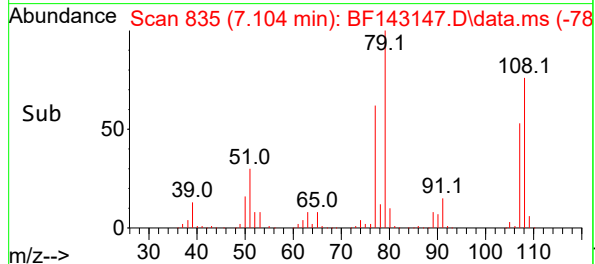
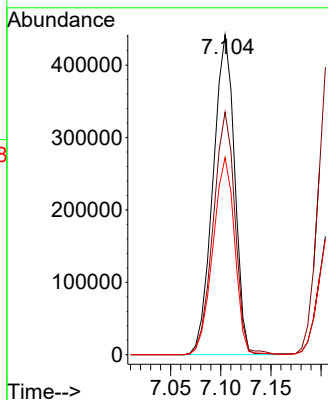
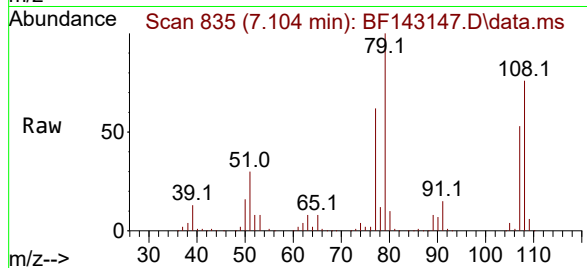
Tgt Ion: 79 Resp: 661847

Ion Ratio Lower Upper

79 100

108 75.8 61.1 91.7

77 61.6 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 70.902 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

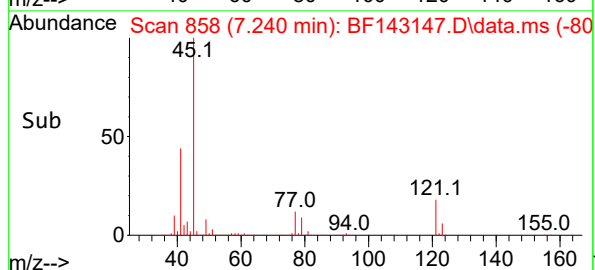
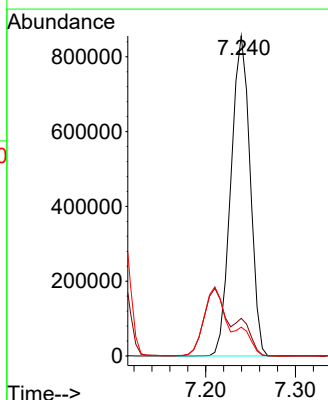
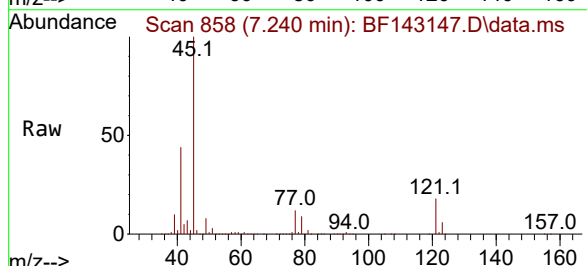
Tgt Ion: 45 Resp: 1265589

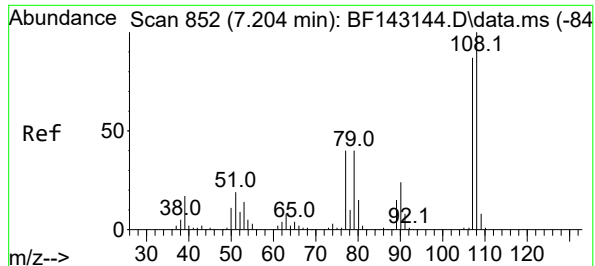
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.2

79 9.0 0.0 28.5

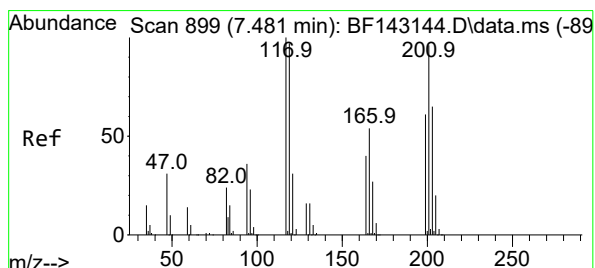
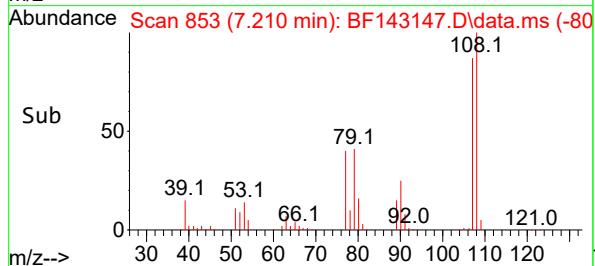
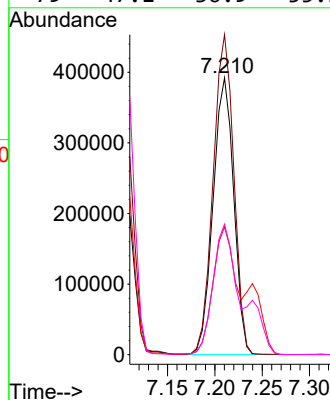
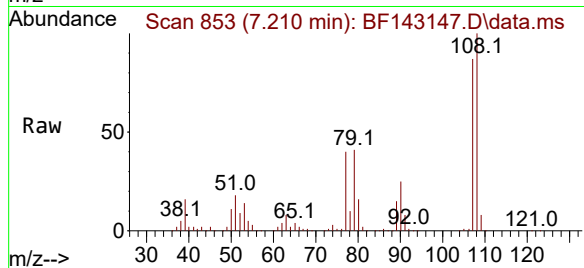




#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

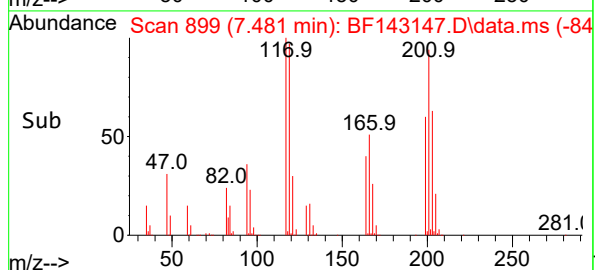
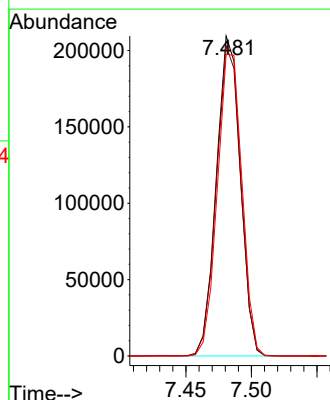
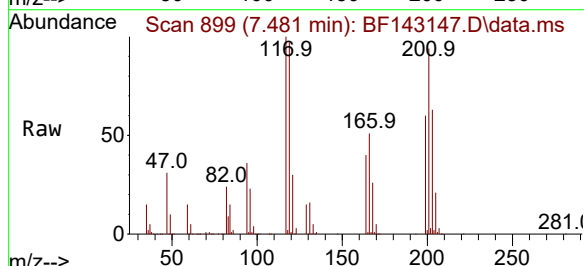
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

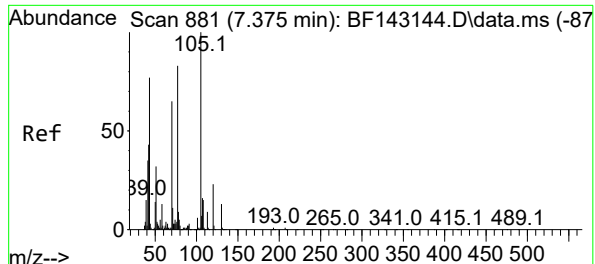
Tgt Ion:107 Resp: 595477
Ion Ratio Lower Upper
107 100
108 115.6 91.8 137.6
77 46.2 37.0 55.6
79 47.1 36.9 55.3



#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:117 Resp: 266665
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.8
201 94.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 71.452 ng

RT: 7.387 min Scan# 881

Delta R.T. 0.012 min

Lab File: BF143147.D

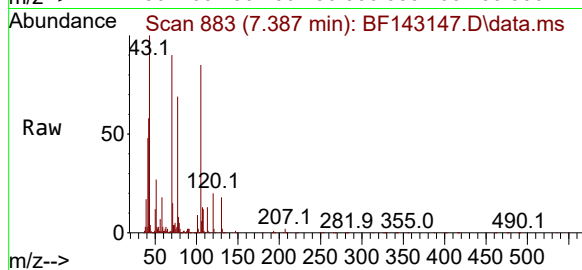
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion: 70 Resp: 528820

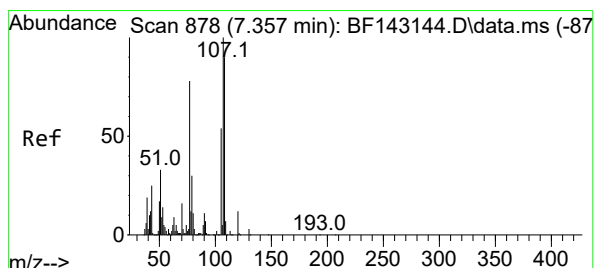
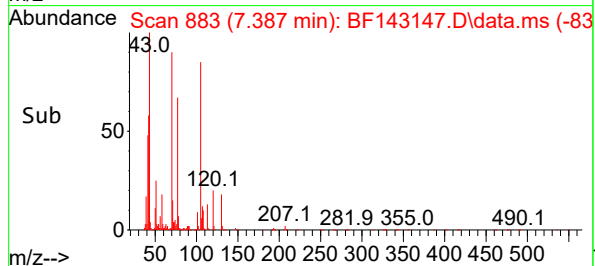
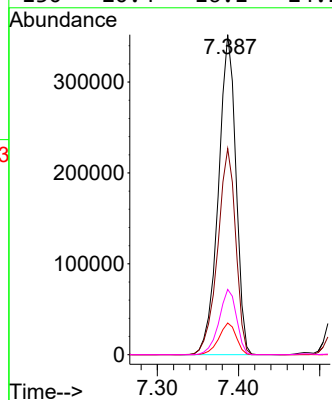
Ion Ratio Lower Upper

70 100

42 64.4 52.5 78.7

101 9.9 7.6 11.4

130 20.4 16.1 24.1



#20

3+4-Methylphenols

Concen: 68.763 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion: 107 Resp: 673906

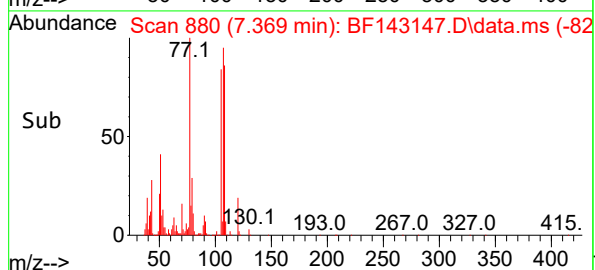
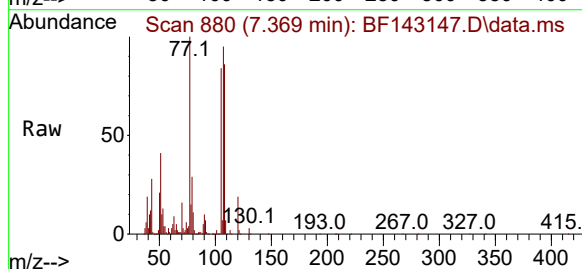
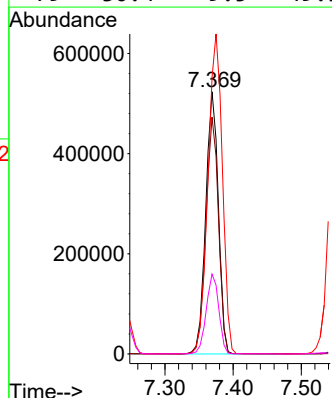
Ion Ratio Lower Upper

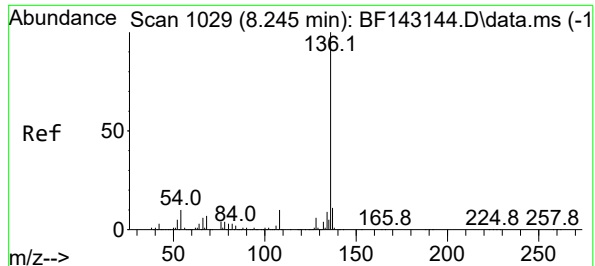
107 100

108 90.3 70.0 110.0

77 105.4 57.8 97.8#

79 30.4 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 544516

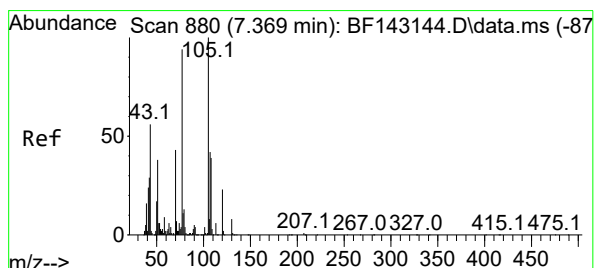
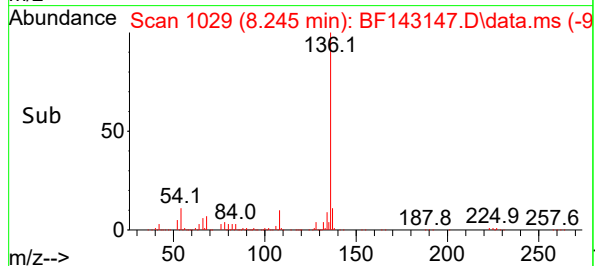
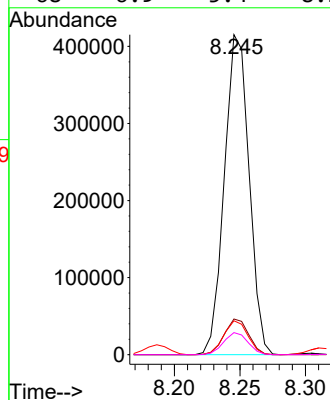
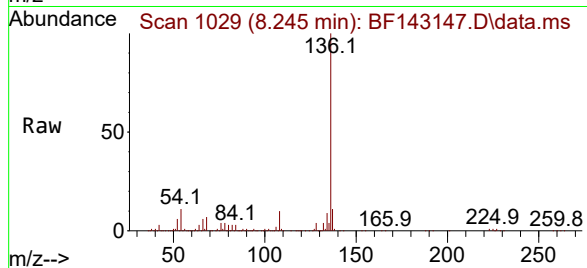
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.6 8.2 12.2

68 6.9 5.4 8.2



#22

Acetophenone

Concen: 69.107 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:105 Resp: 890890

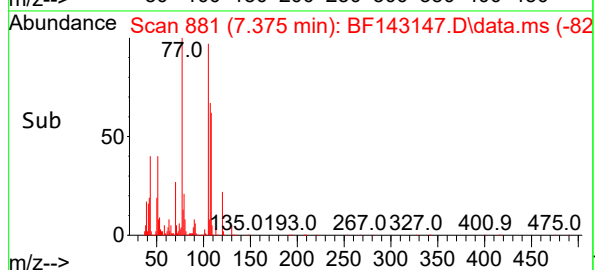
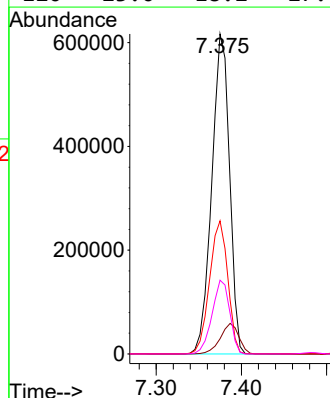
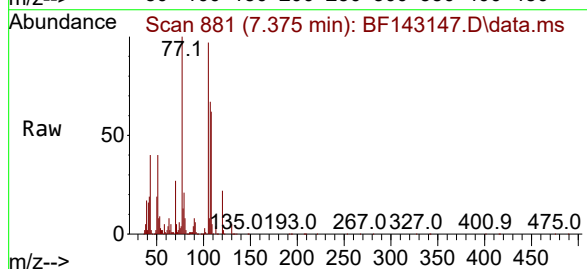
Ion Ratio Lower Upper

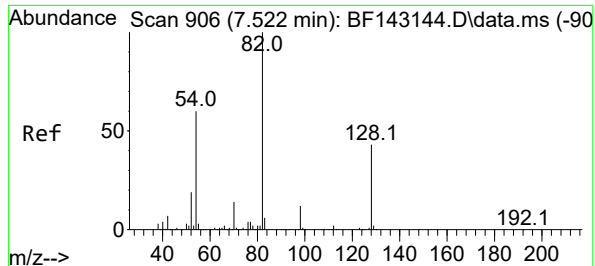
105 100

71 4.8 5.8 8.6#

51 41.6 30.2 45.2

120 23.0 18.2 27.4





#23

Nitrobenzene-d5

Concen: 150.551 ng

RT: 7.534 min Scan# 906

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

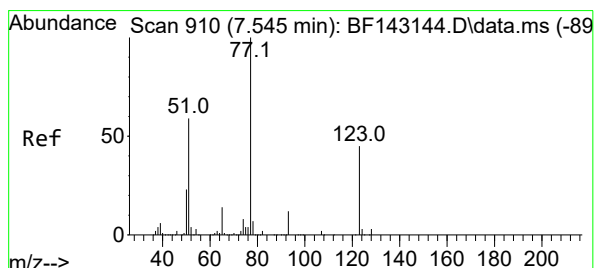
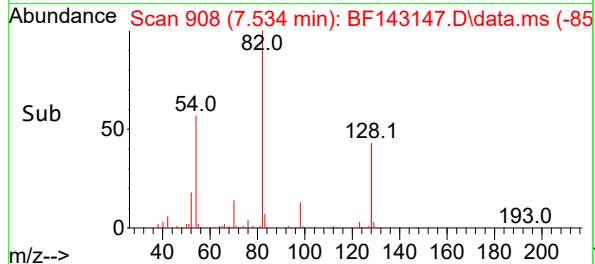
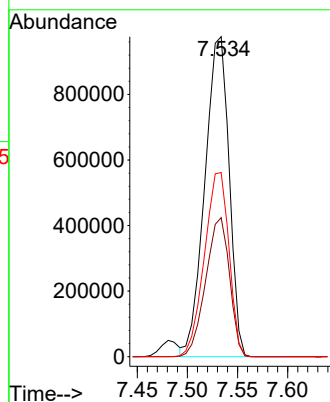
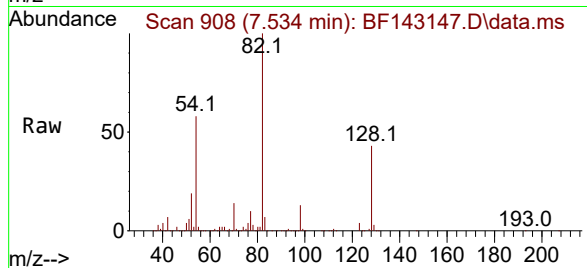
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1644581

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.5	47.1	70.7



#24

Nitrobenzene

Concen: 73.836 ng

RT: 7.551 min Scan# 911

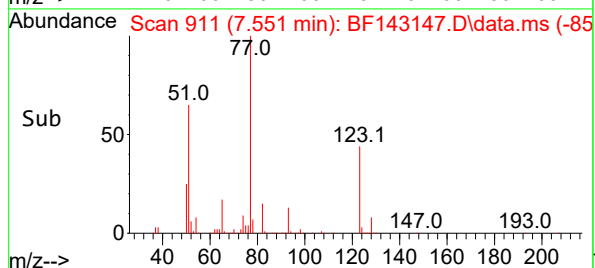
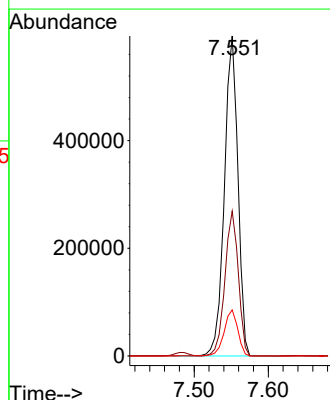
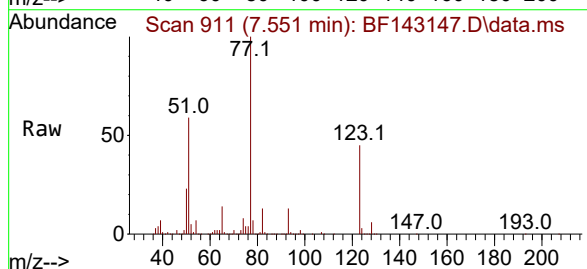
Delta R.T. 0.006 min

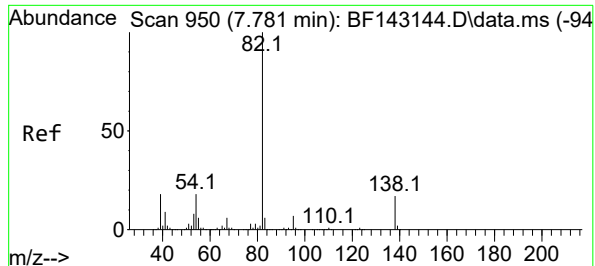
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion: 77 Resp: 751964

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.4	11.4	17.2

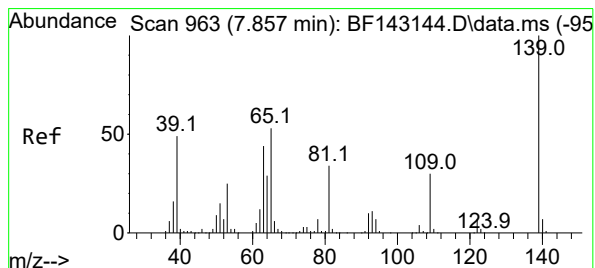
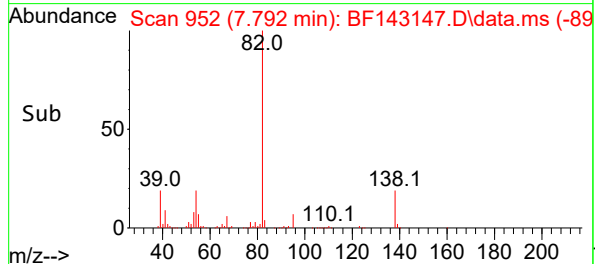
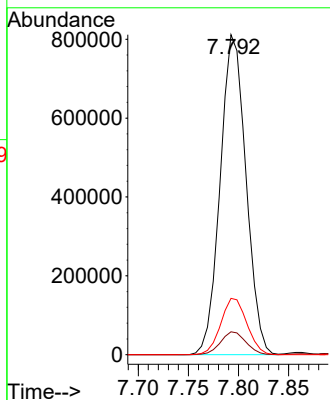
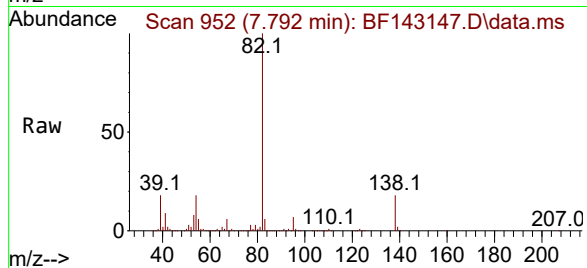




#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

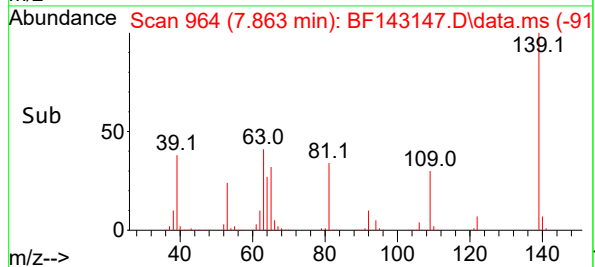
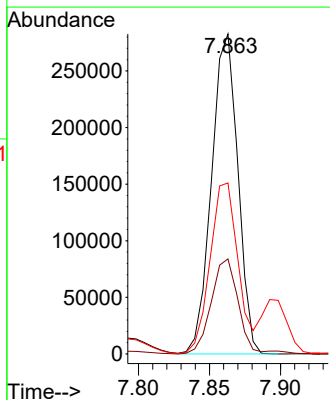
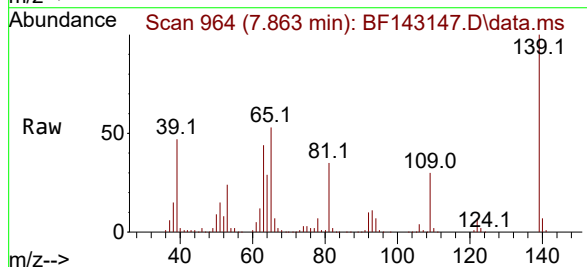
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

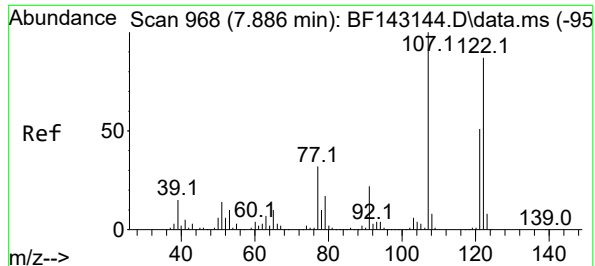
Tgt Ion: 82 Resp: 1453353
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 17.6 13.8 20.8



#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 364951
Ion Ratio Lower Upper
139 100
109 29.7 23.6 35.4
65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 72.050 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

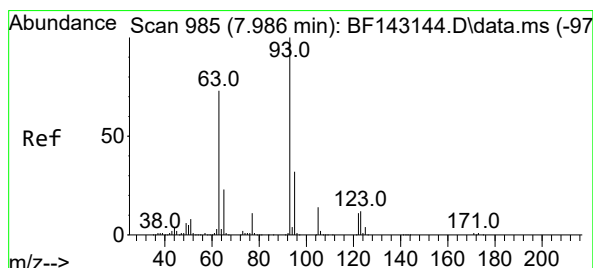
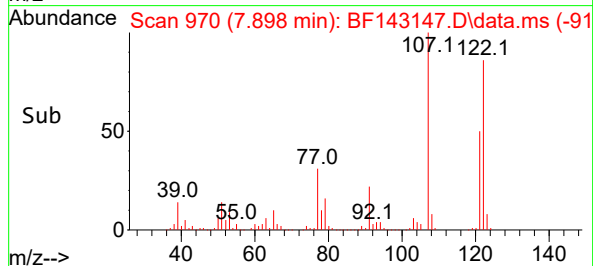
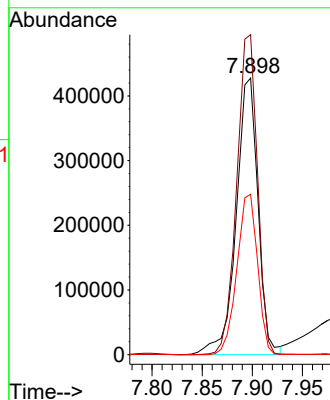
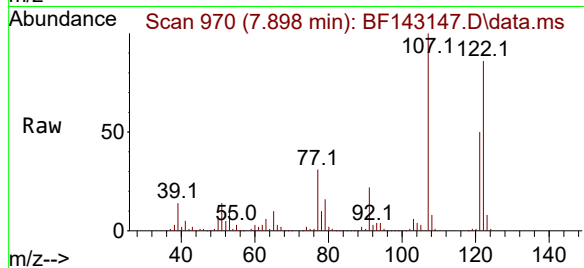
Tgt Ion:122 Resp: 649144

Ion Ratio Lower Upper

122 100

107 115.7 91.8 137.6

121 58.0 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 72.134 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

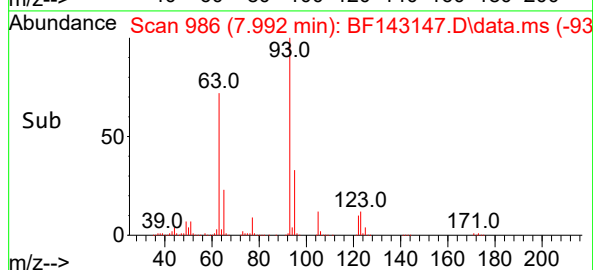
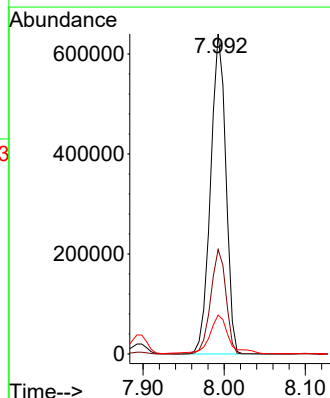
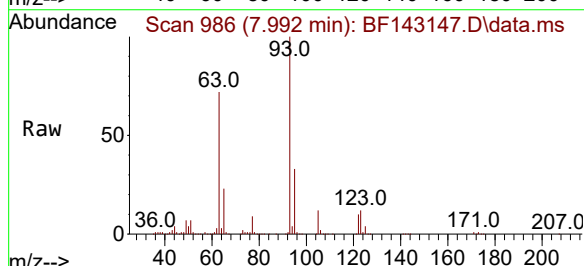
Tgt Ion: 93 Resp: 834021

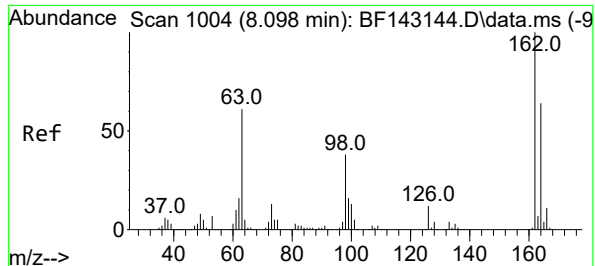
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 73.527 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

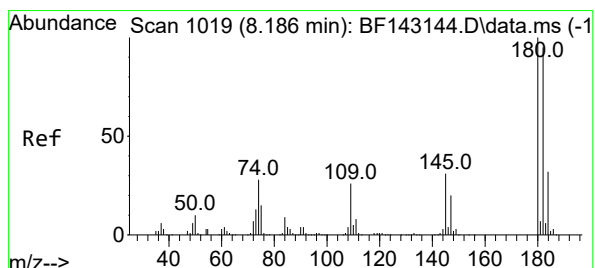
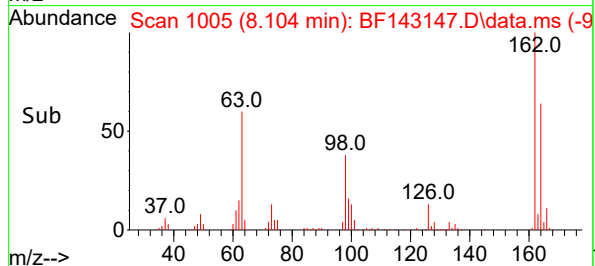
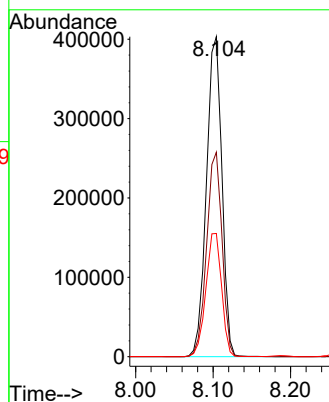
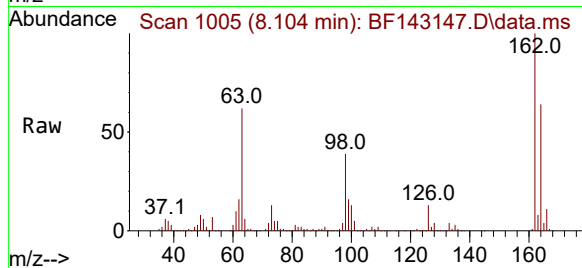
Tgt Ion:162 Resp: 558665

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 38.5 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 71.673 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

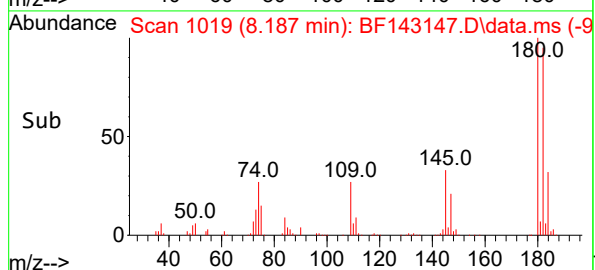
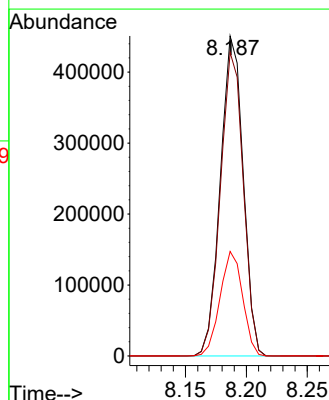
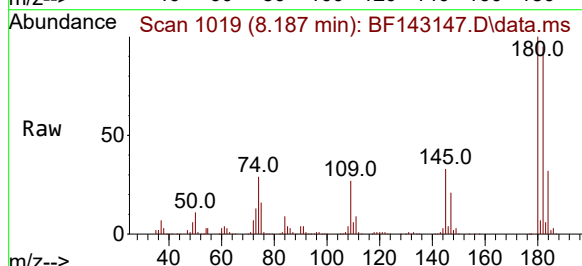
Tgt Ion:180 Resp: 588333

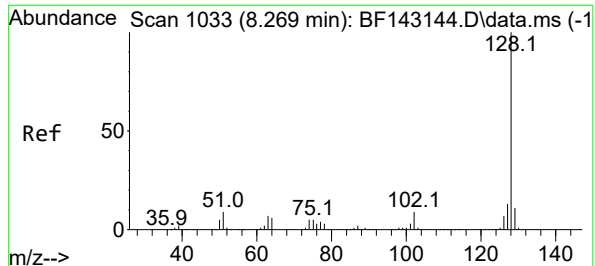
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

145 32.7 25.0 37.6





#31

Naphthalene

Concen: 69.150 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

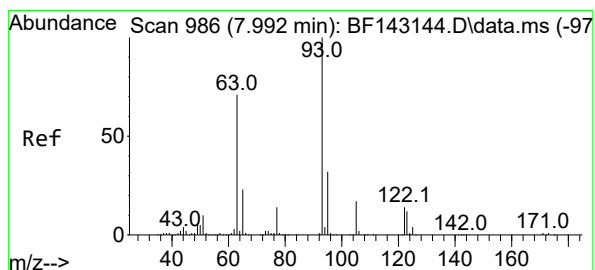
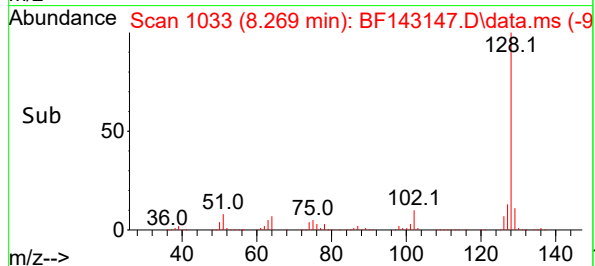
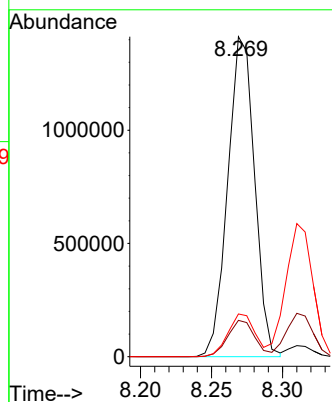
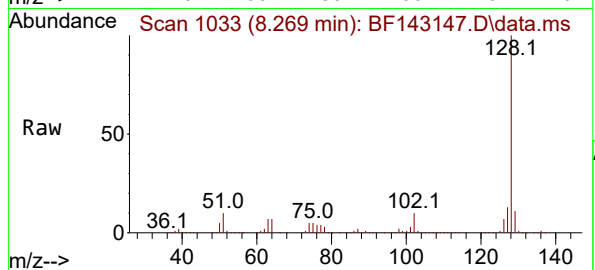
Tgt Ion:128 Resp: 1854387

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 79.801 ng m

RT: 8.028 min Scan# 992

Delta R.T. 0.036 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

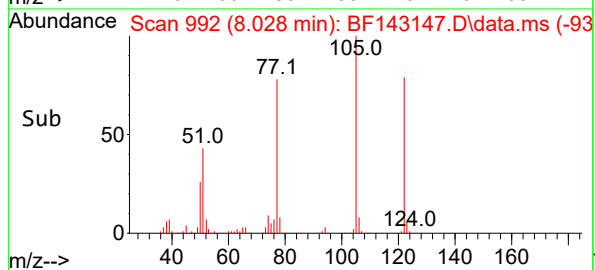
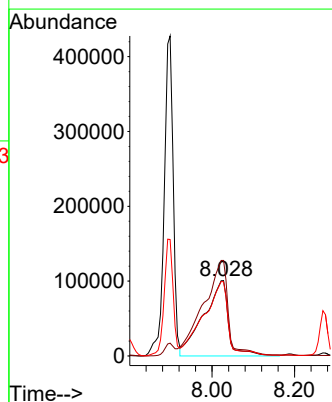
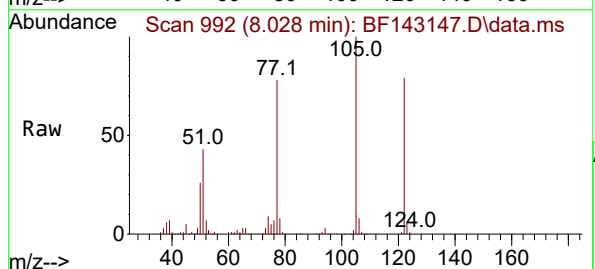
Tgt Ion:122 Resp: 423625

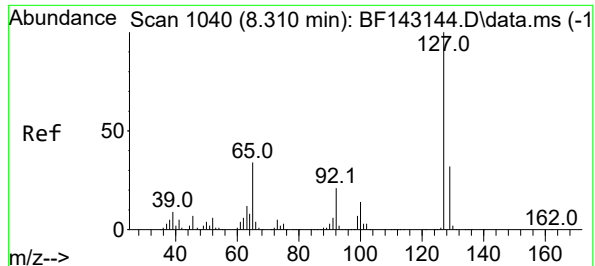
Ion Ratio Lower Upper

122 100

105 126.7 104.8 144.8

77 98.6 77.6 117.6





#33

4-Chloroaniline

Concen: 71.895 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

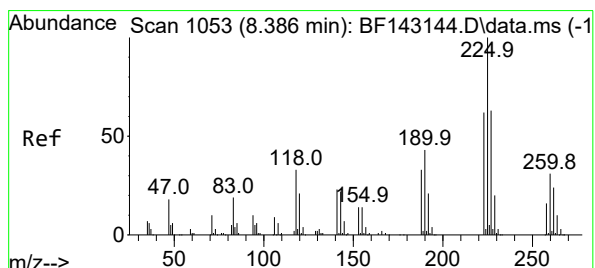
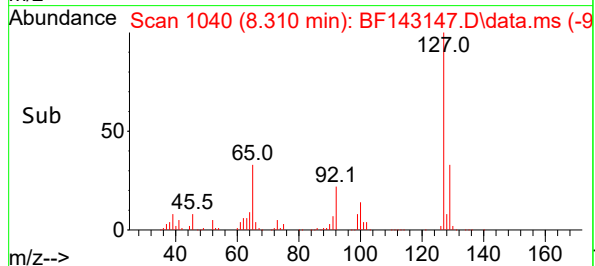
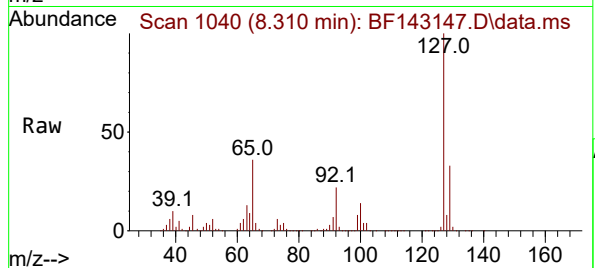
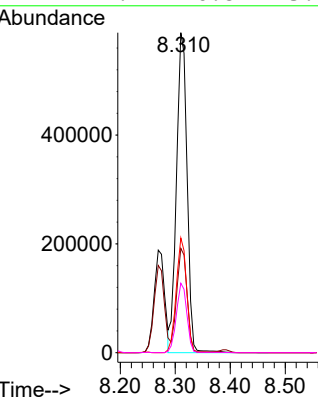
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 787243

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.9	27.4	41.2
92	21.7	16.8	25.2



#34

Hexachlorobutadiene

Concen: 73.453 ng

RT: 8.392 min Scan# 1054

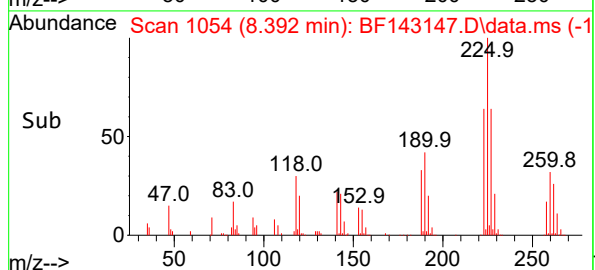
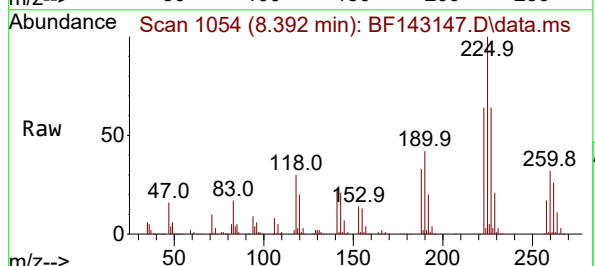
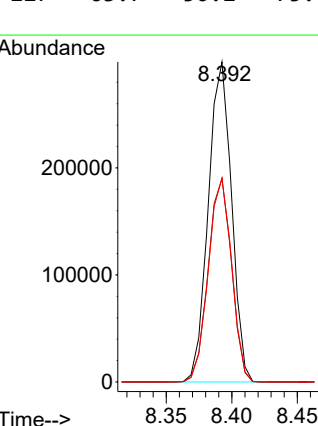
Delta R.T. 0.006 min

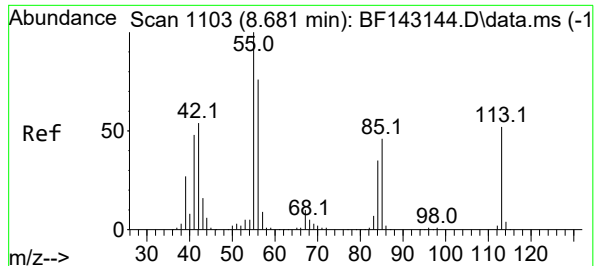
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:225 Resp: 368327

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.6
227	63.7	50.2	75.4





#35

Caprolactam

Concen: 77.644 ng

RT: 8.698 min Scan# 1106

Delta R.T. 0.018 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

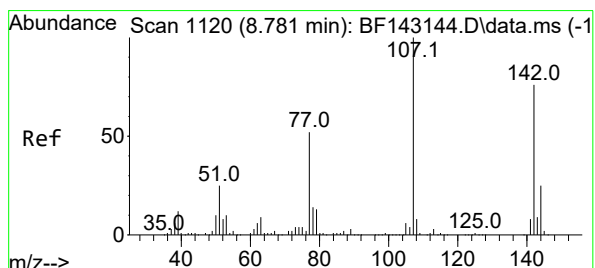
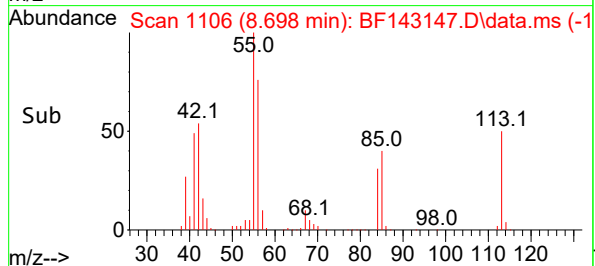
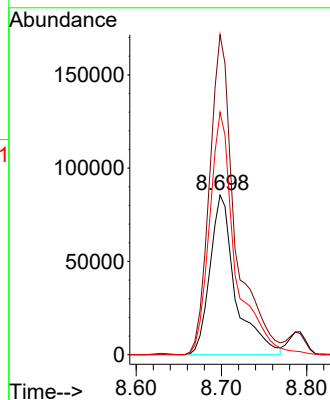
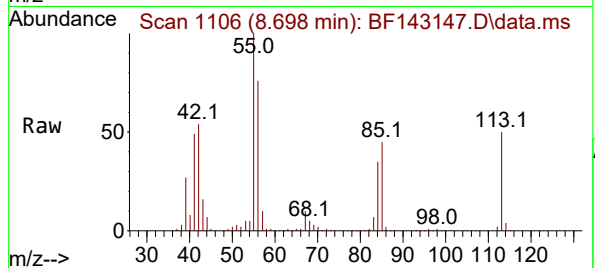
Tgt Ion:113 Resp: 178271

Ion Ratio Lower Upper

113 100

55 200.6 174.0 214.0

56 152.0 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 74.354 ng

RT: 8.792 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

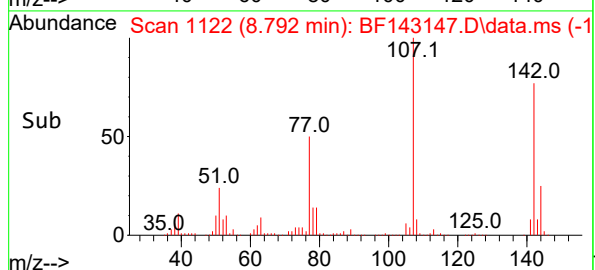
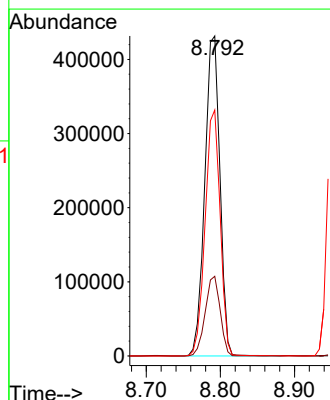
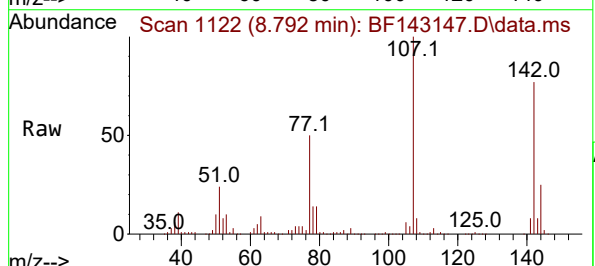
Tgt Ion:107 Resp: 614048

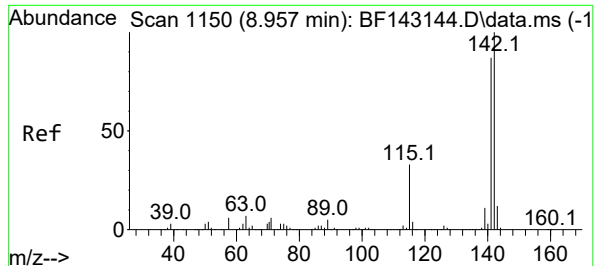
Ion Ratio Lower Upper

107 100

144 24.9 19.8 29.6

142 76.9 60.6 90.8

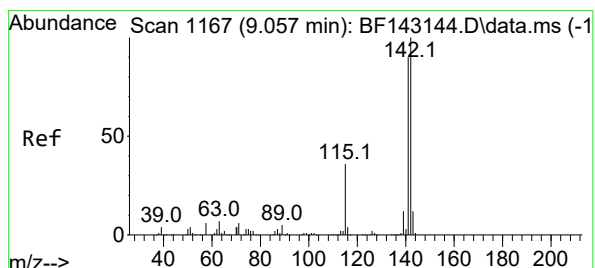
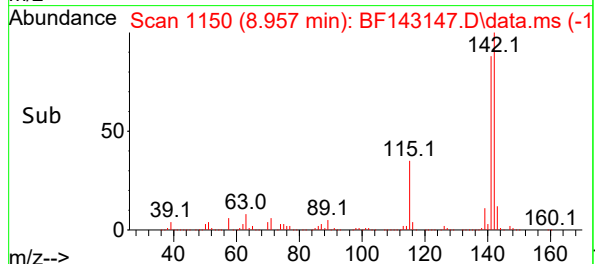
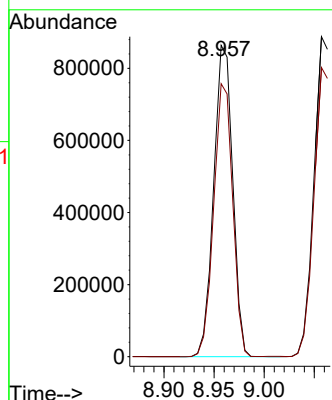
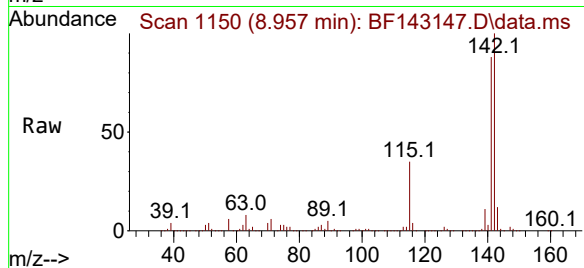




#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

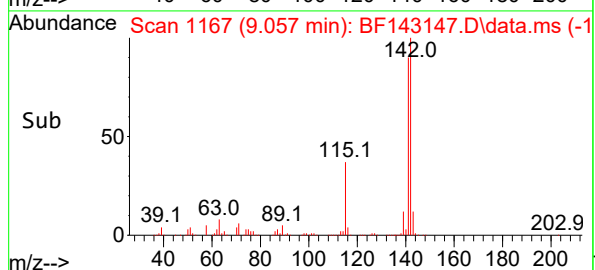
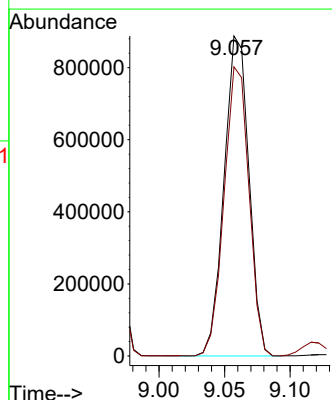
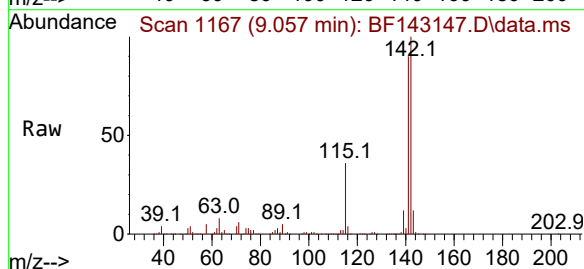
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

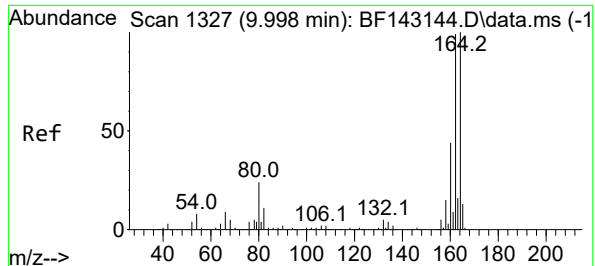
Tgt Ion:142 Resp: 1137176
Ion Ratio Lower Upper
142 100
141 87.7 69.9 104.9



#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

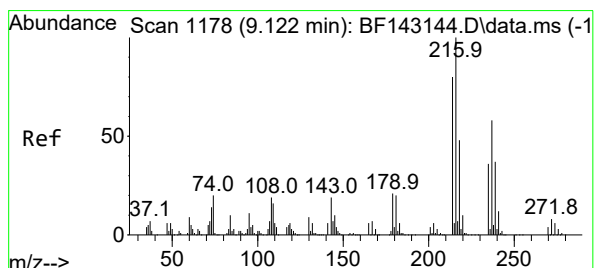
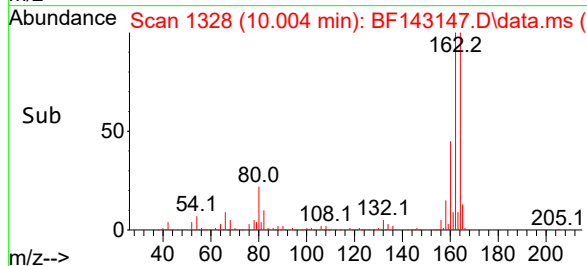
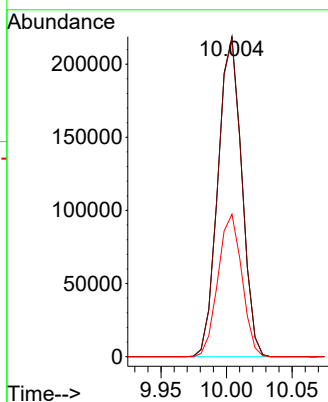
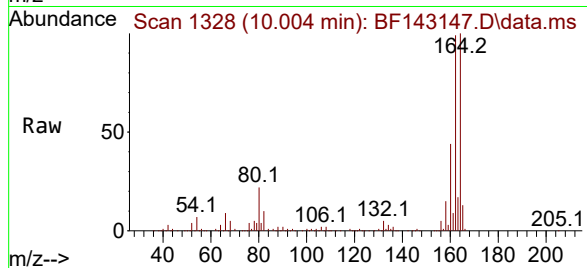
Tgt Ion:164 Resp: 275619

Ion Ratio Lower Upper

164 100

162 99.2 79.0 118.6

160 44.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 71.389 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:216 Resp: 568070

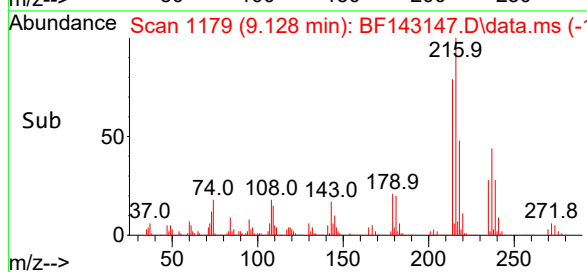
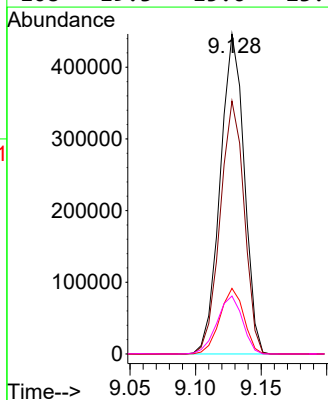
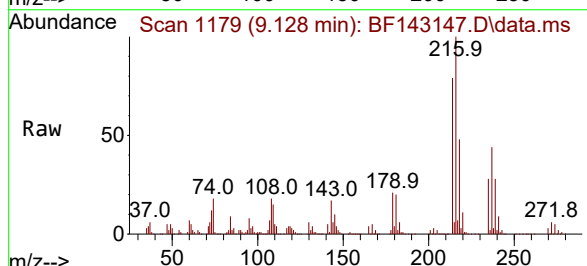
Ion Ratio Lower Upper

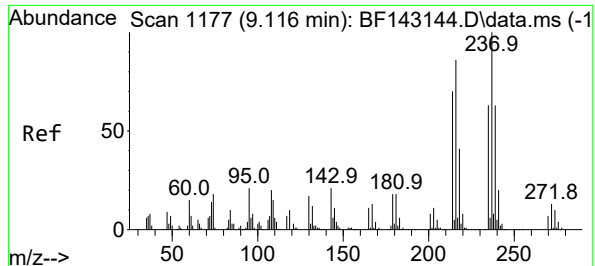
216 100

214 78.9 63.8 95.8

179 20.4 16.4 24.6

108 19.3 15.6 23.4

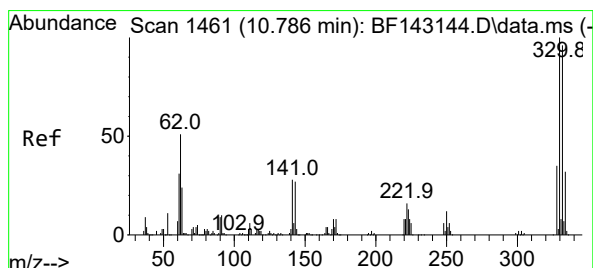
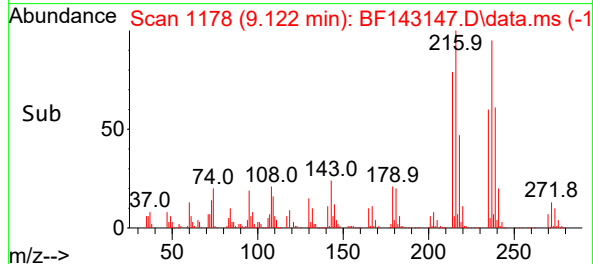
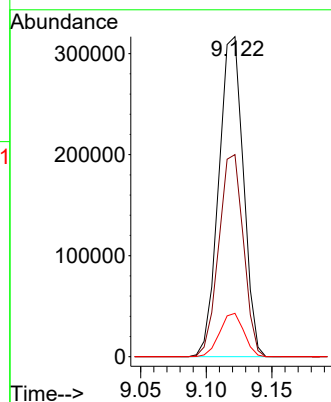
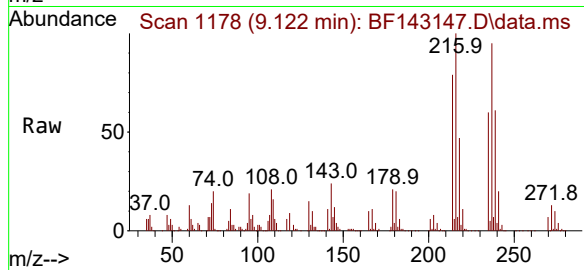




#41
Hexachlorocyclopentadiene
Concen: 79.719 ng
RT: 9.122 min Scan# 1177
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

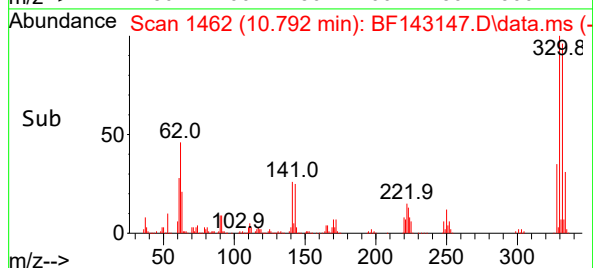
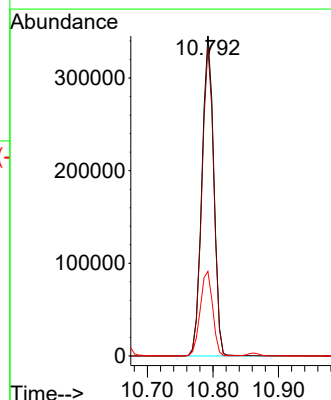
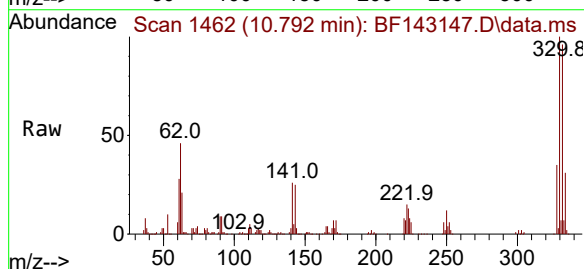
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

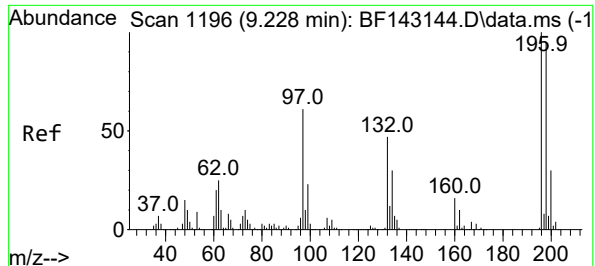
Tgt Ion:237 Resp: 412756
Ion Ratio Lower Upper
237 100
235 63.2 43.0 83.0
272 13.6 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 153.498 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:330 Resp: 437054
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 27.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 74.838 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143147.D

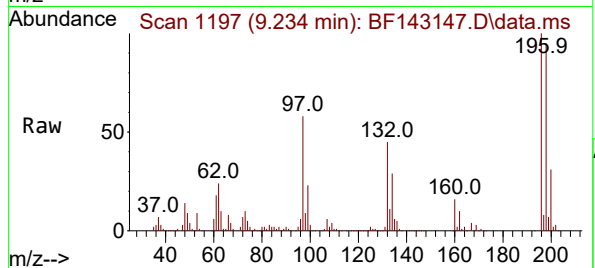
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



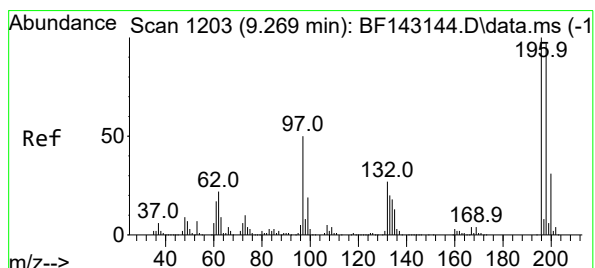
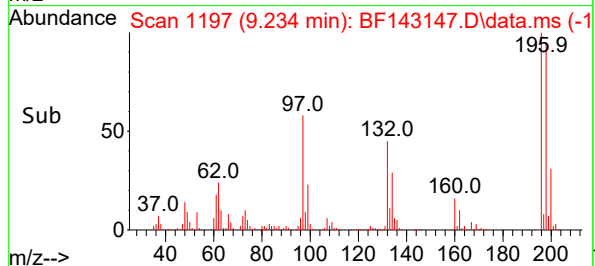
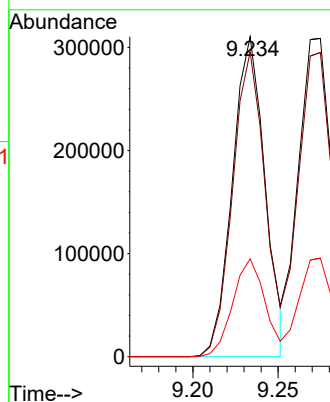
Tgt Ion:196 Resp: 412148

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.6 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 76.888 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:196 Resp: 423565

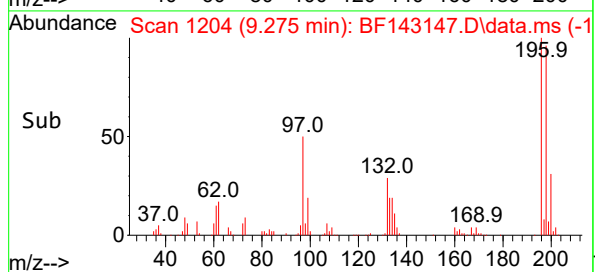
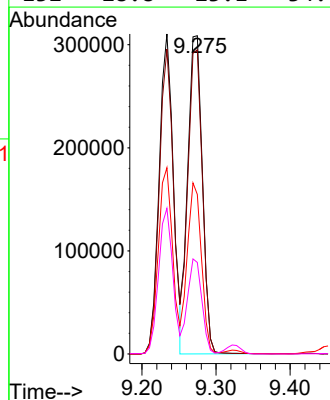
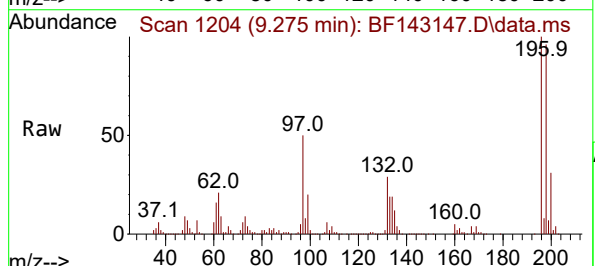
Ion Ratio Lower Upper

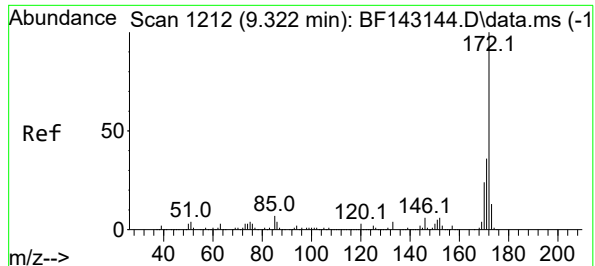
196 100

198 95.6 77.3 115.9

97 50.1 40.3 60.5

132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 130.157 ng

RT: 9.322 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

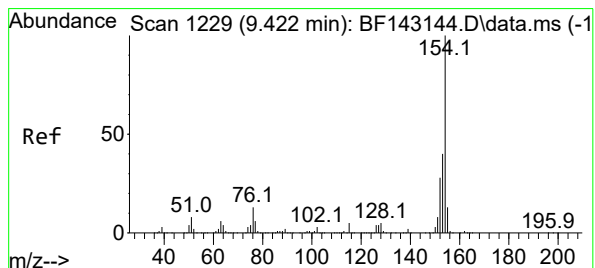
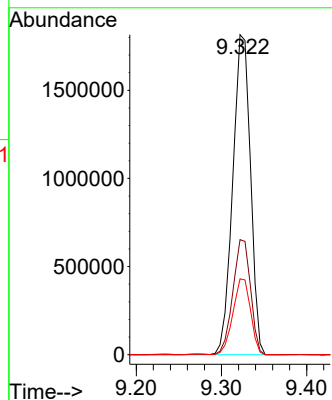
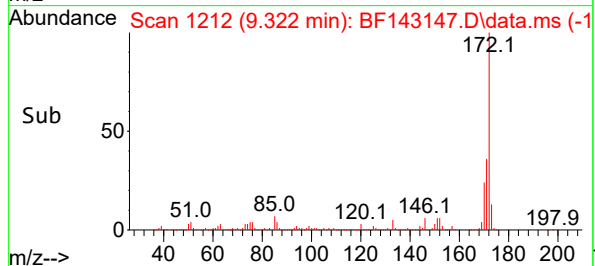
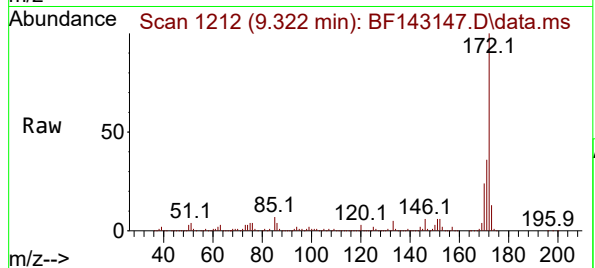
Tgt Ion:172 Resp: 2623071

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 69.388 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

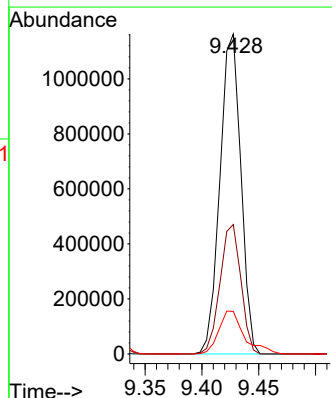
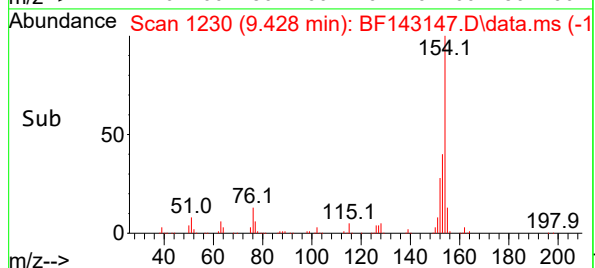
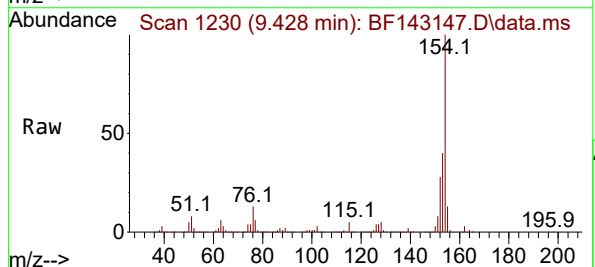
Tgt Ion:154 Resp: 1492094

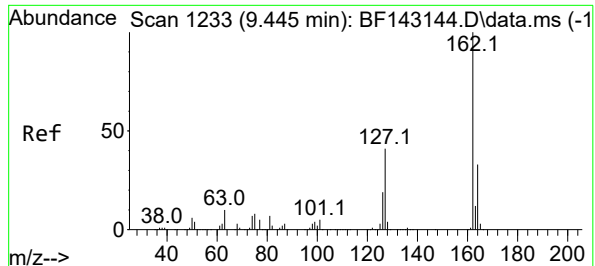
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 71.122 ng

RT: 9.451 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

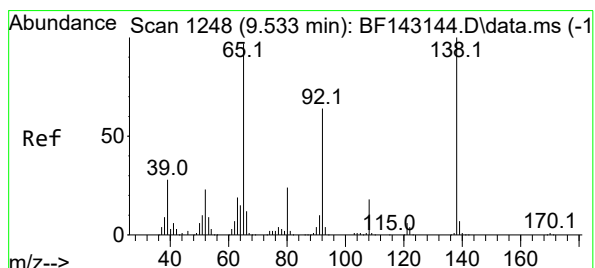
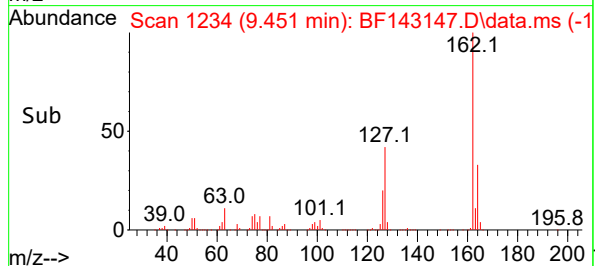
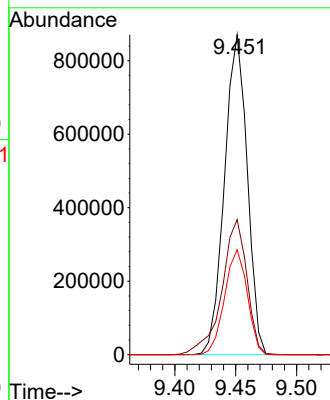
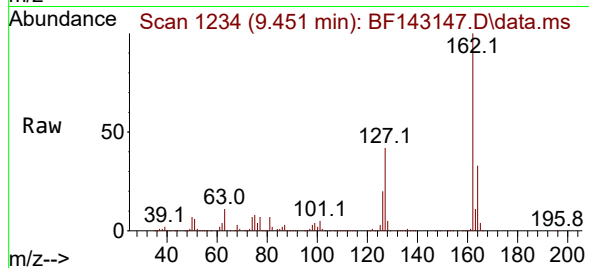
Tgt Ion:162 Resp: 1131626

Ion Ratio Lower Upper

162 100

127 42.2 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 80.971 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

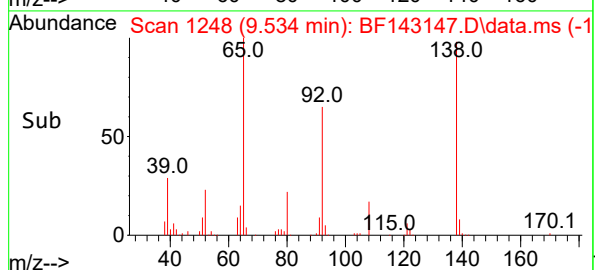
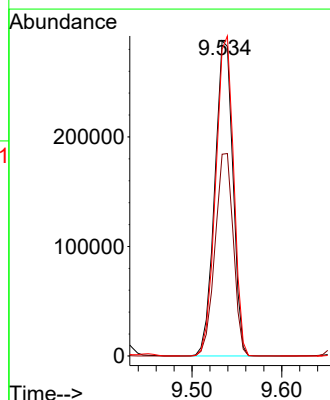
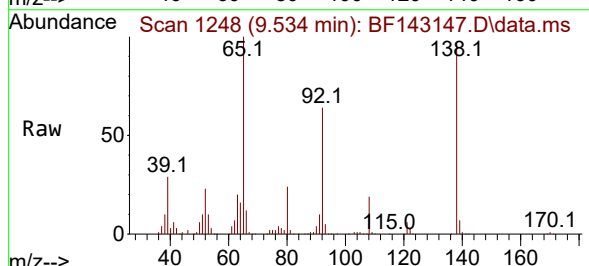
Tgt Ion: 65 Resp: 404023

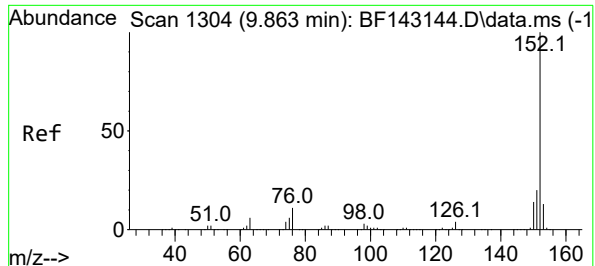
Ion Ratio Lower Upper

65 100

92 64.0 52.4 78.6

138 97.3 82.3 123.5





#49

Acenaphthylene

Concen: 70.057 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

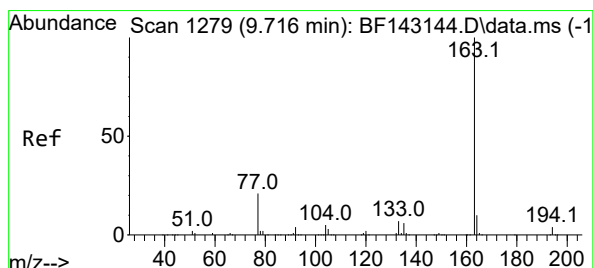
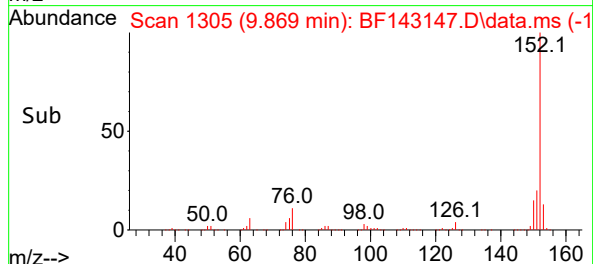
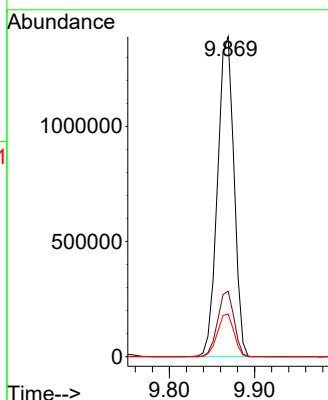
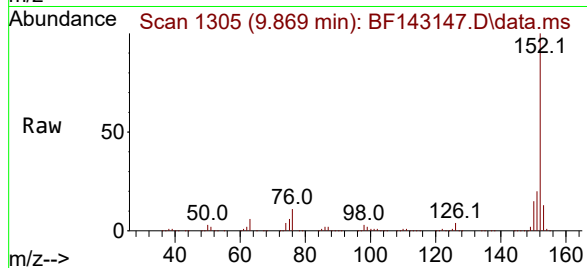
Tgt Ion:152 Resp: 1868062

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 13.4 10.6 16.0



#50

Dimethylphthalate

Concen: 71.723 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

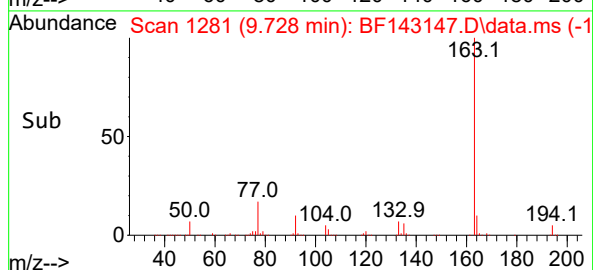
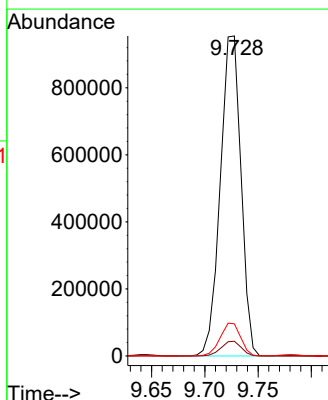
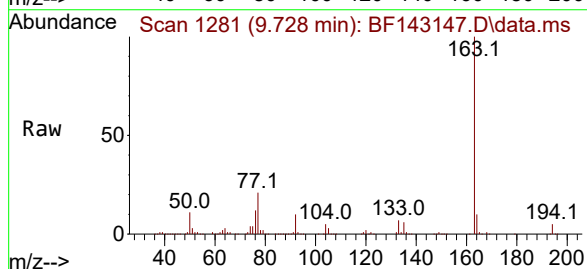
Tgt Ion:163 Resp: 1288559

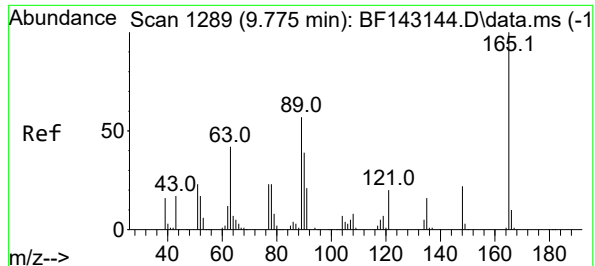
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

164 10.0 8.3 12.5

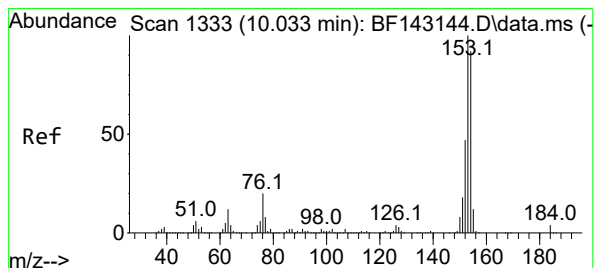
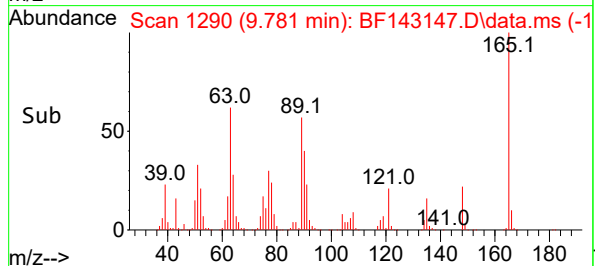
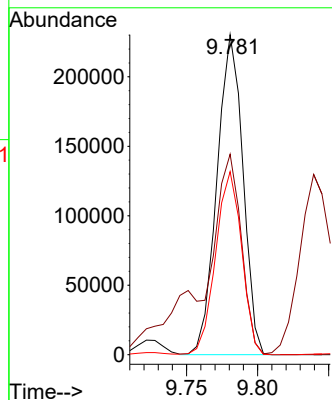
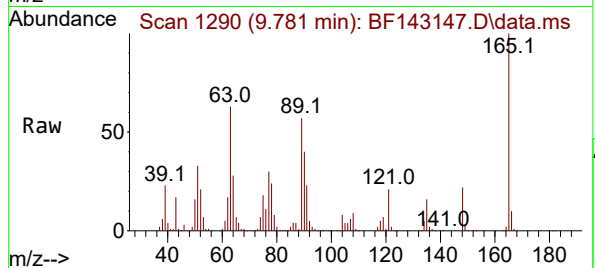




#51
2,6-Dinitrotoluene
Concen: 80.093 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

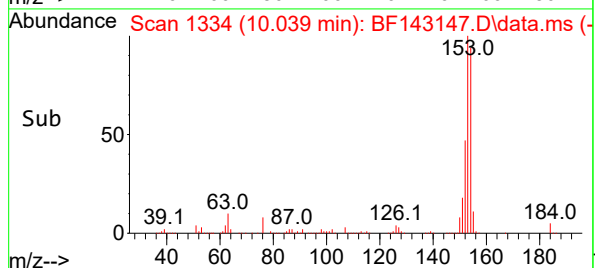
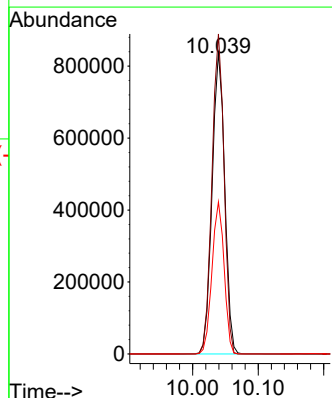
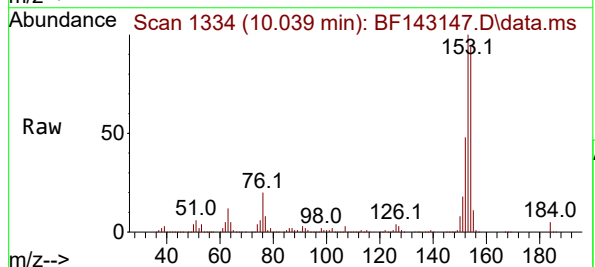
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

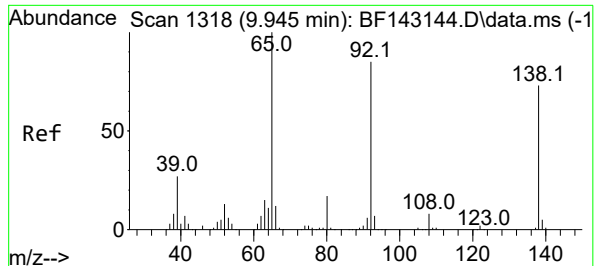
Tgt Ion:165 Resp: 292718
Ion Ratio Lower Upper
165 100
63 62.6 49.4 74.2
89 57.2 46.2 69.2



#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1120315
Ion Ratio Lower Upper
154 100
153 106.1 86.6 129.8
152 50.4 40.4 60.6

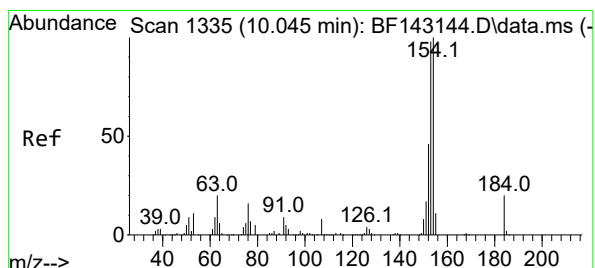
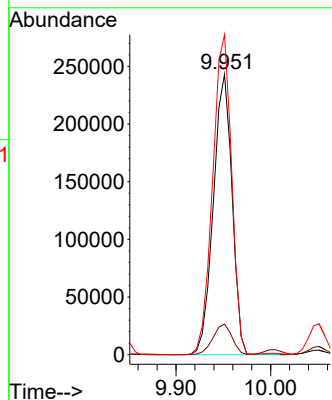
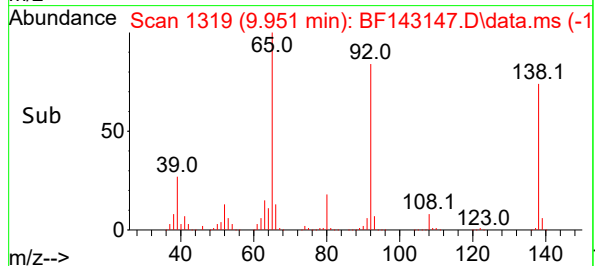
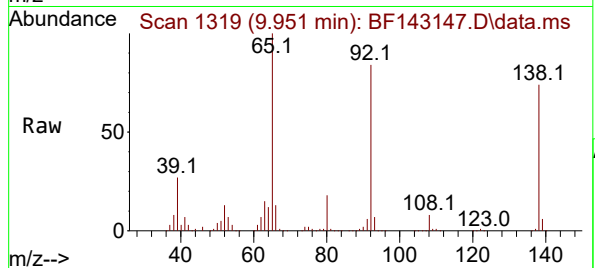




#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

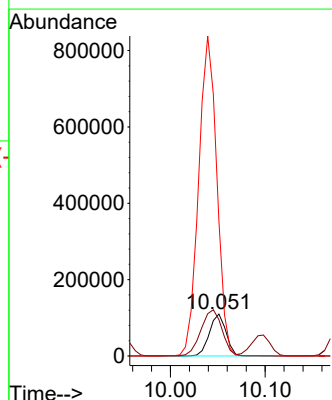
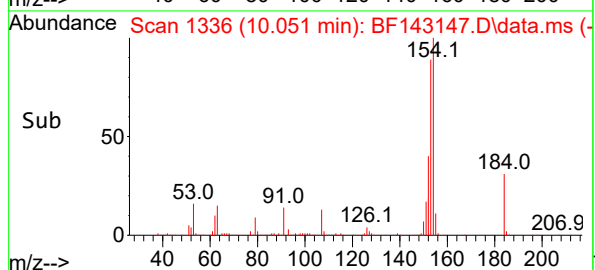
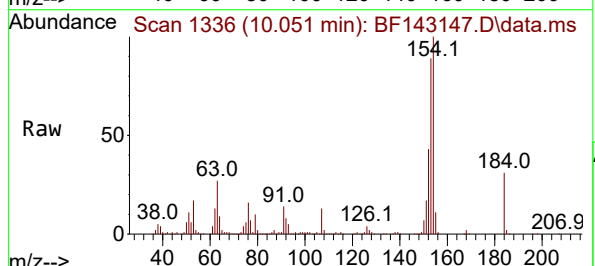
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

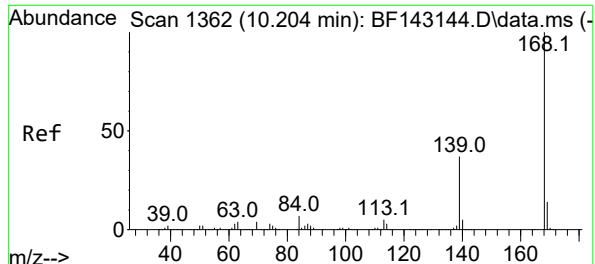
Tgt Ion:138 Resp: 333980
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.1 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:184 Resp: 133446
Ion Ratio Lower Upper
184 100
63 86.6 81.8 122.6
154 321.6 412.2 618.4#





#55

Dibenzenofuran

Concen: 69.038 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

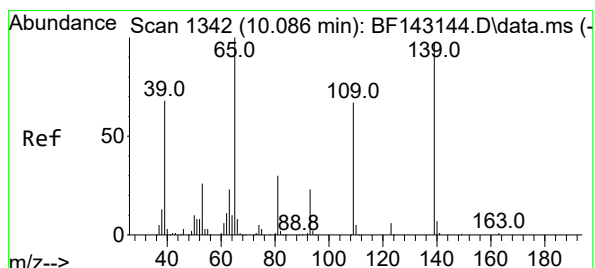
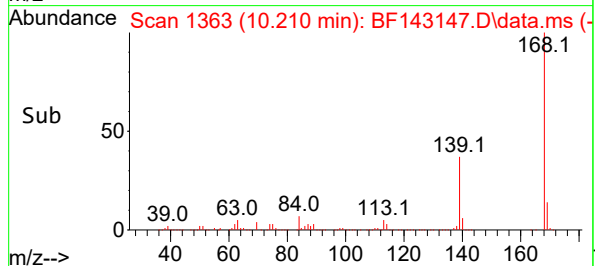
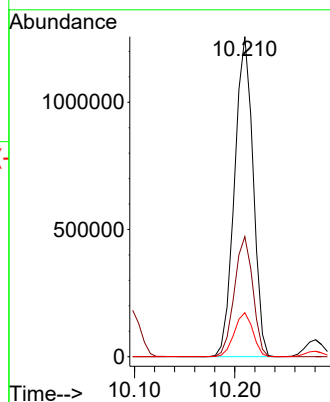
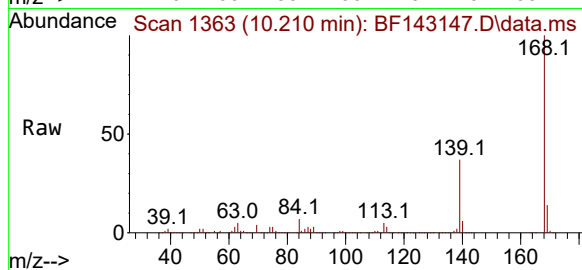
Tgt Ion:168 Resp: 1615399

Ion Ratio Lower Upper

168 100

139 37.5 29.5 44.3

169 13.8 10.9 16.3



#56

4-Nitrophenol

Concen: 79.161 ng

RT: 10.098 min Scan# 1344

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

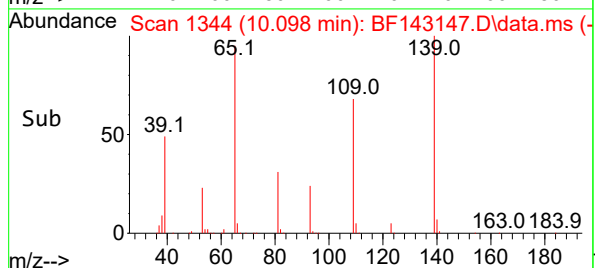
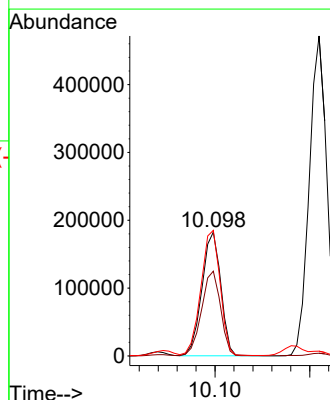
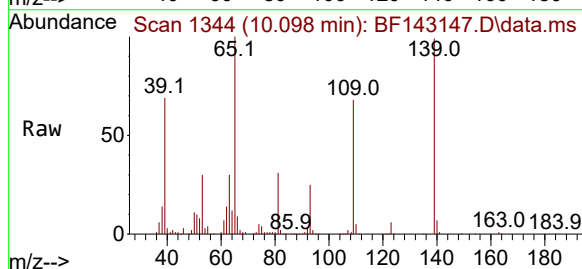
Tgt Ion:139 Resp: 252698

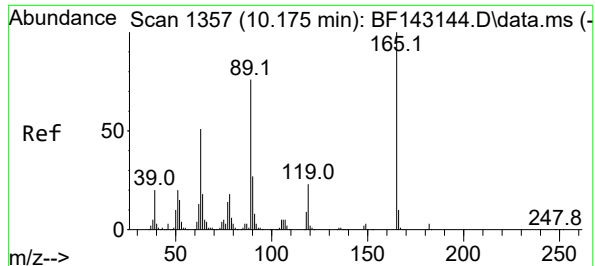
Ion Ratio Lower Upper

139 100

109 68.4 48.5 88.5

65 101.3 83.4 123.4

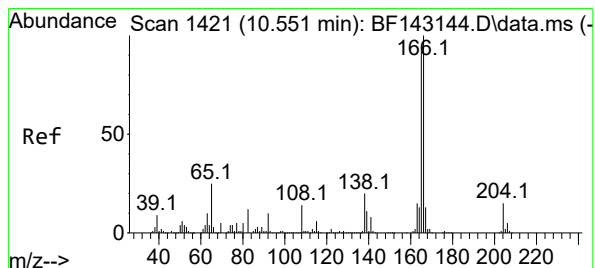
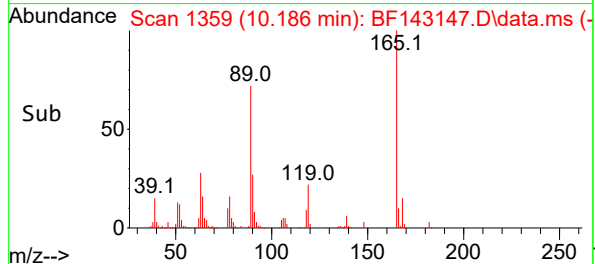
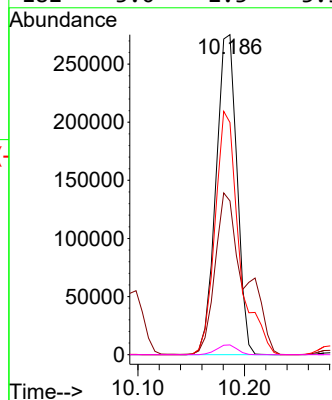
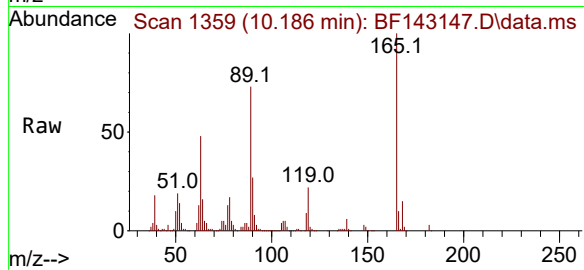




#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

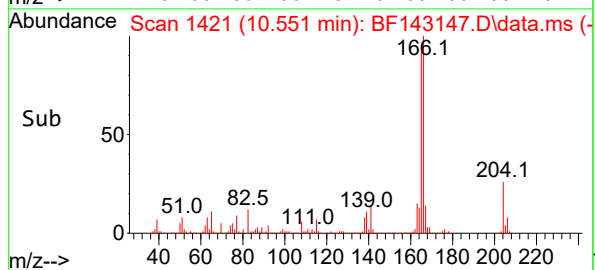
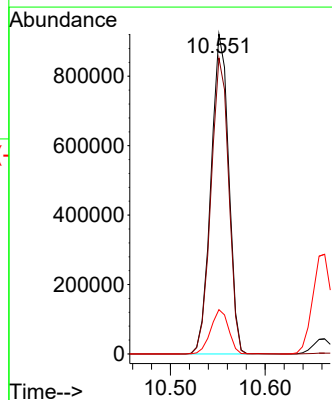
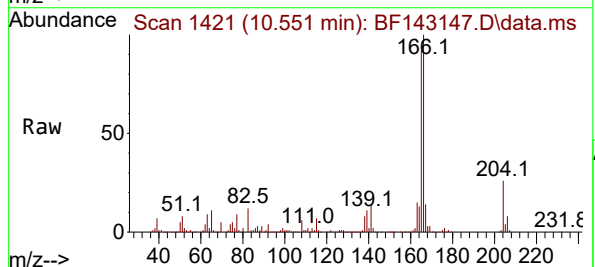
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

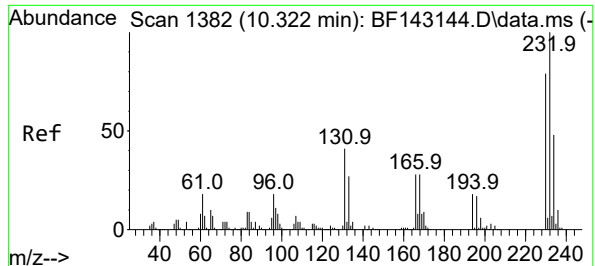
Tgt Ion:165 Resp: 376124
Ion Ratio Lower Upper
165 100
63 48.1 41.0 61.4
89 72.5 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:166 Resp: 1197731
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.8 10.6 16.0

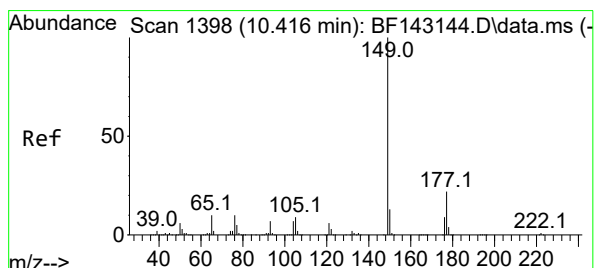
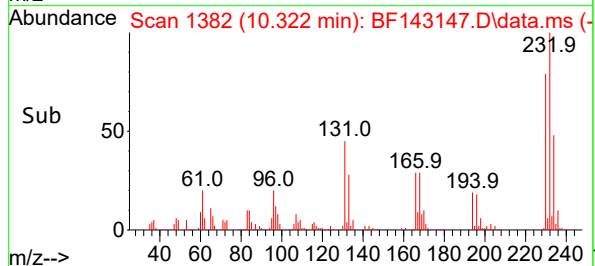
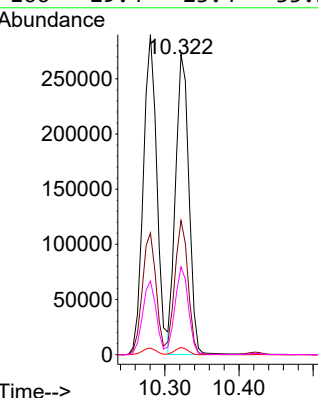
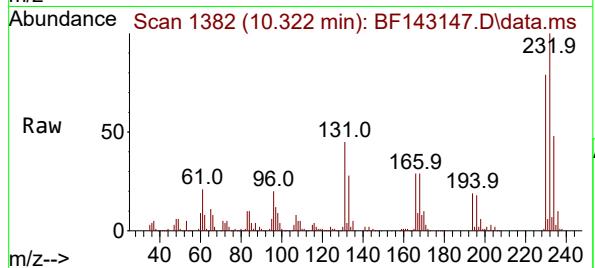




#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

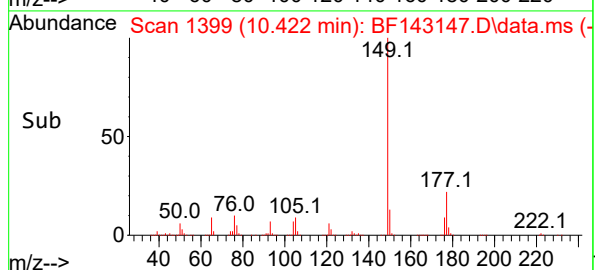
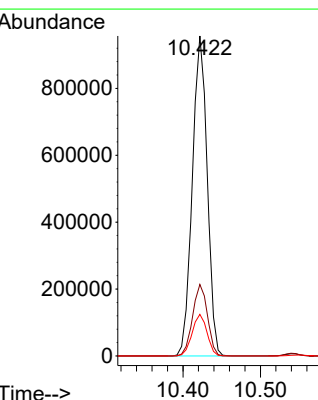
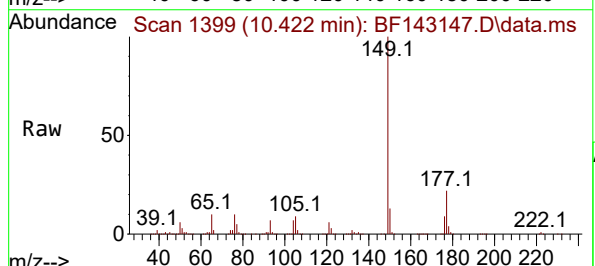
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

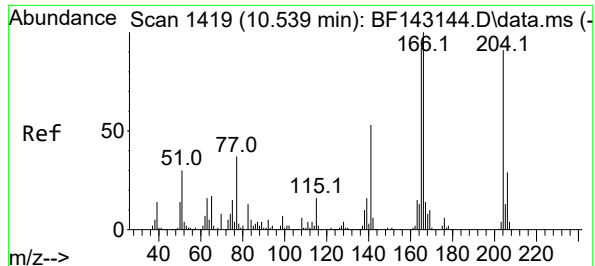
Tgt Ion:232 Resp: 340118
Ion Ratio Lower Upper
232 100
131 44.5 35.3 52.9
130 2.4 1.7 2.5
166 29.4 23.4 35.2



#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1276217
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 13.0 10.2 15.2

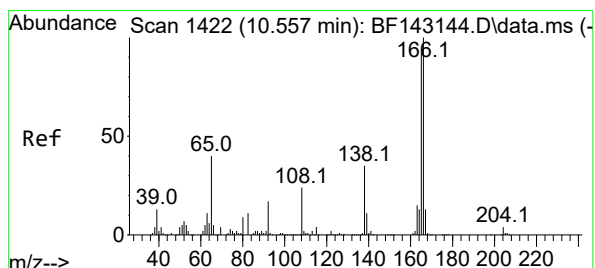
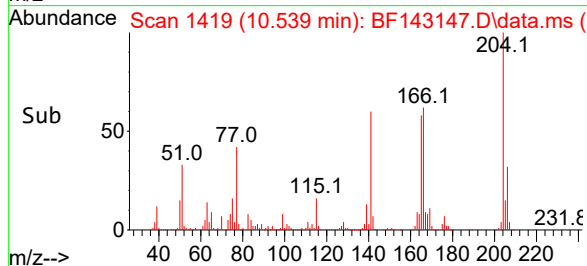
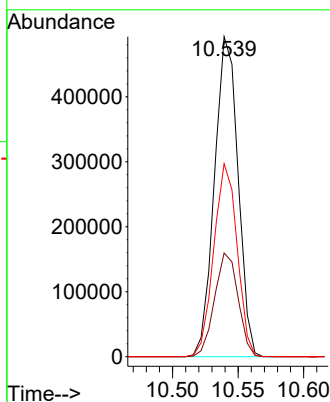
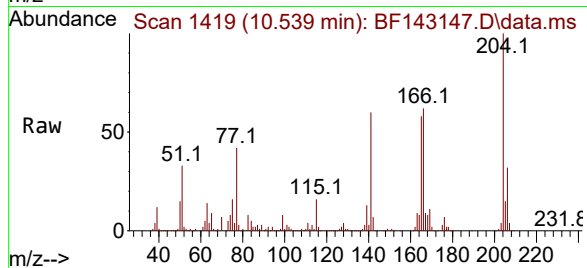




#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

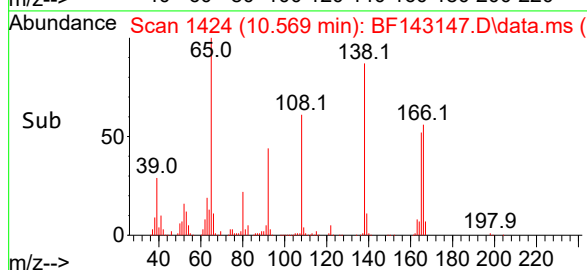
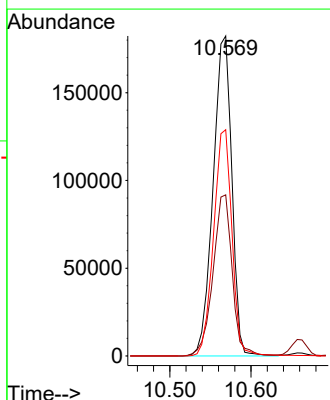
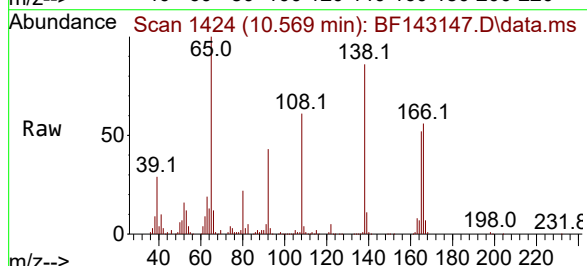
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

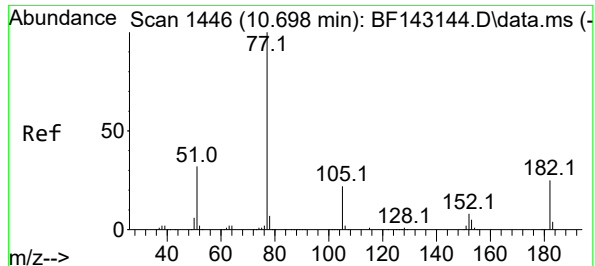
Tgt Ion:204 Resp: 614962
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 60.3 47.0 70.4



#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:138 Resp: 291926
Ion Ratio Lower Upper
138 100
92 50.4 29.3 69.3
108 70.7 48.3 88.3

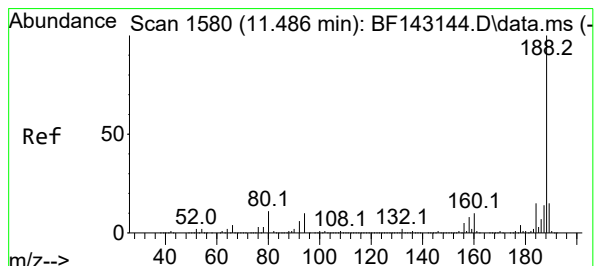
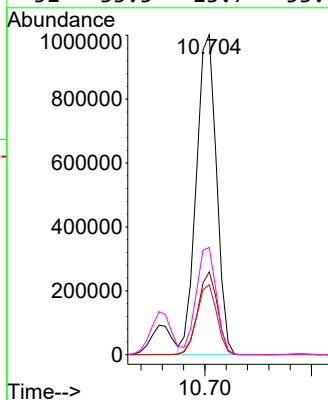
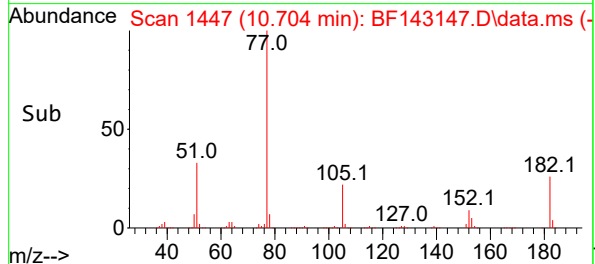
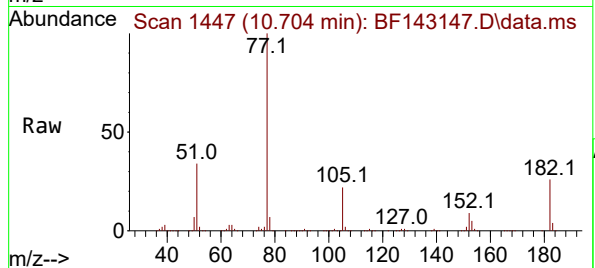




#63
Azobenzene
Concen: 71.255 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

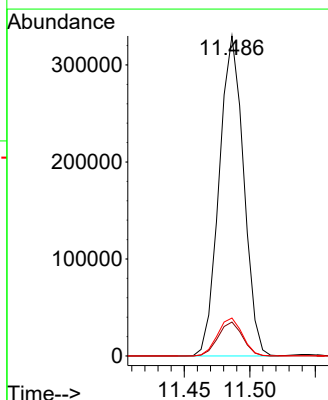
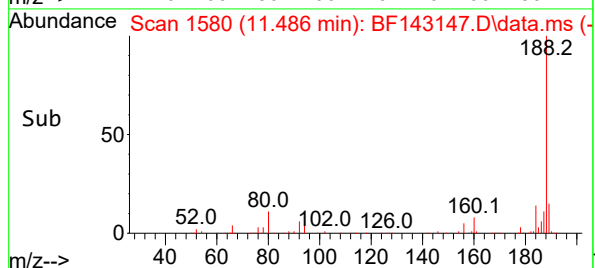
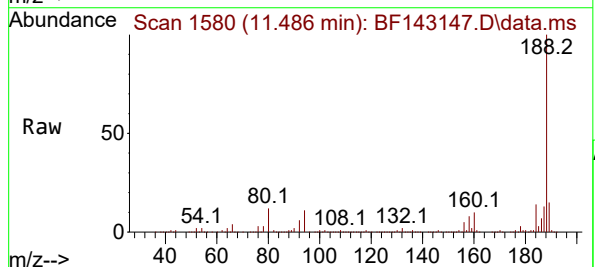
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

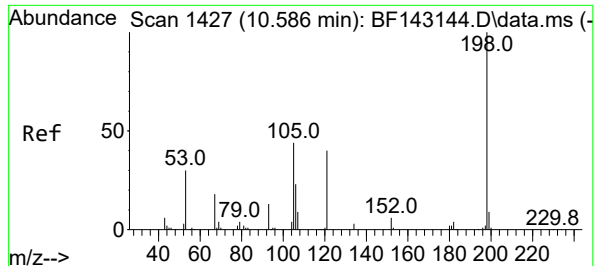
Tgt Ion: 77 Resp: 1318720
Ion Ratio Lower Upper
77 100
182 25.9 4.6 44.6
105 21.9 1.4 41.4
51 33.5 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 188 Resp: 429046
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.8 9.0 13.6

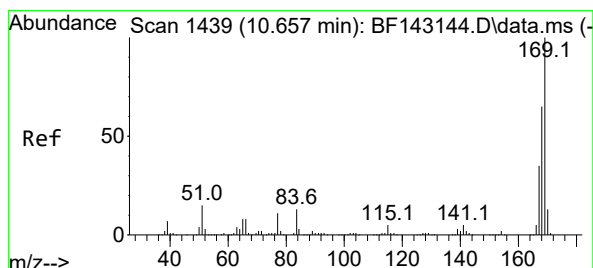
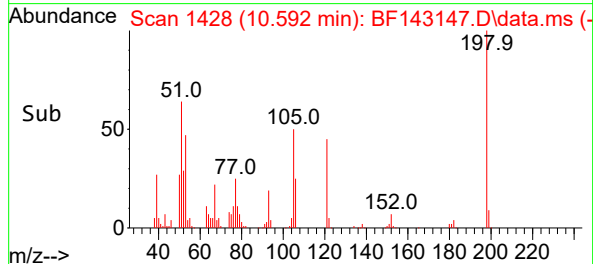
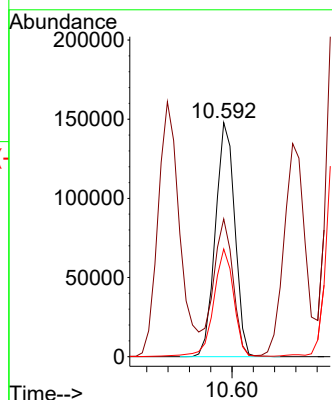
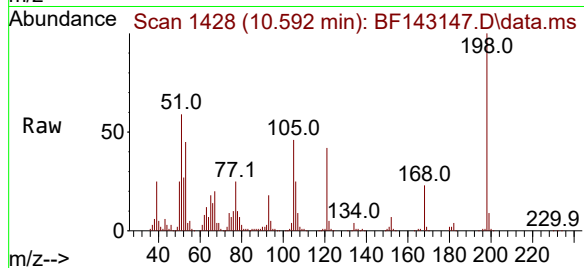




#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

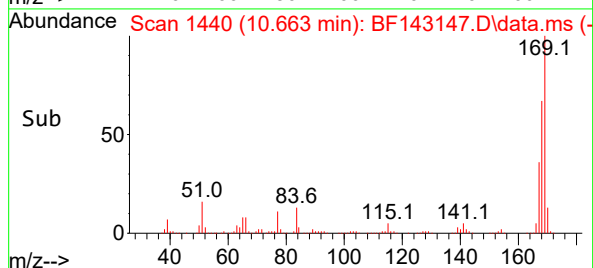
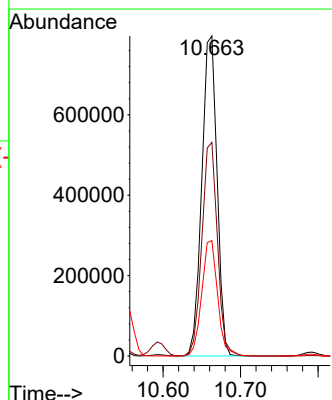
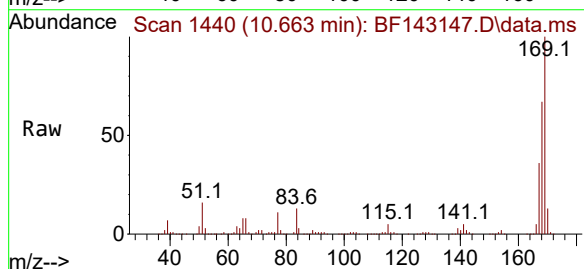
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

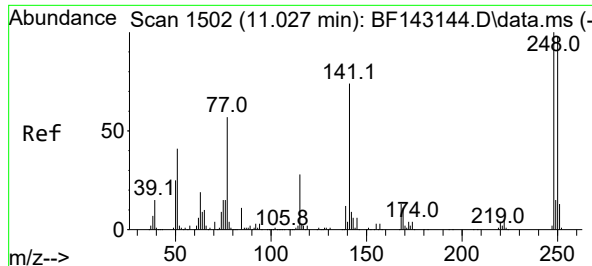
Tgt Ion:198 Resp: 186415
Ion Ratio Lower Upper
198 100
51 58.9 37.2 77.2
105 46.0 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:169 Resp: 1087990
Ion Ratio Lower Upper
169 100
168 66.8 52.1 78.1
167 36.1 28.2 42.2





#67

4-Bromophenyl-phenylether

Concen: 74.734 ng

RT: 11.033 min Scan# 1503

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

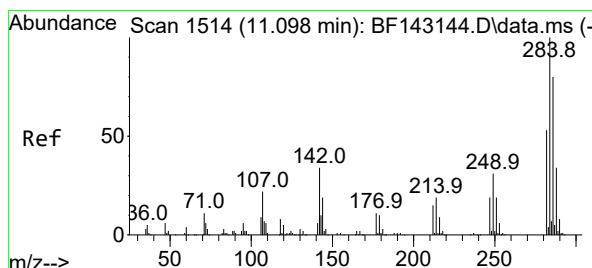
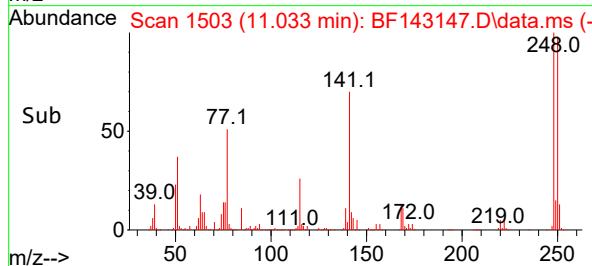
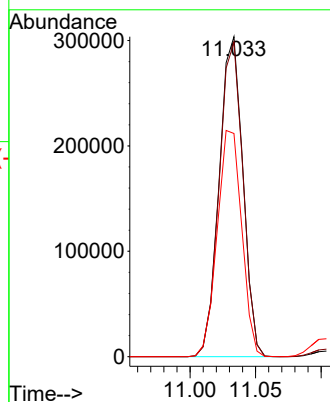
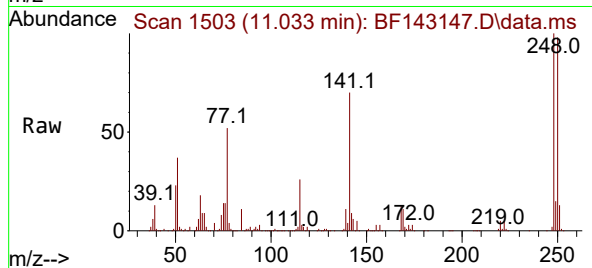
Tgt Ion:248 Resp: 382122

Ion Ratio Lower Upper

248 100

250 98.3 78.3 117.5

141 69.8 59.2 88.8



#68

Hexachlorobenzene

Concen: 74.680 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

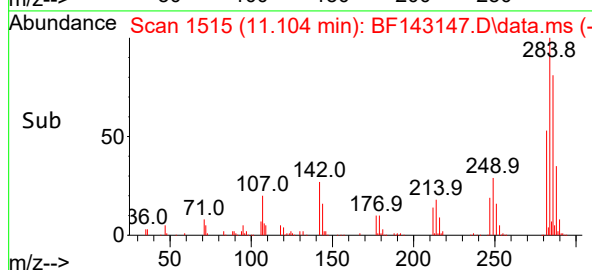
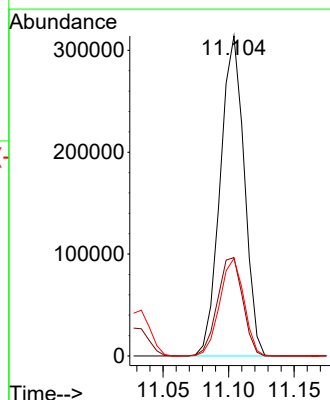
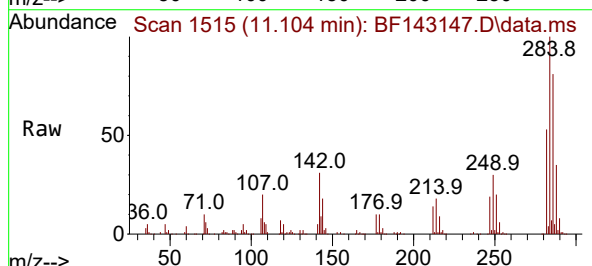
Tgt Ion:284 Resp: 399107

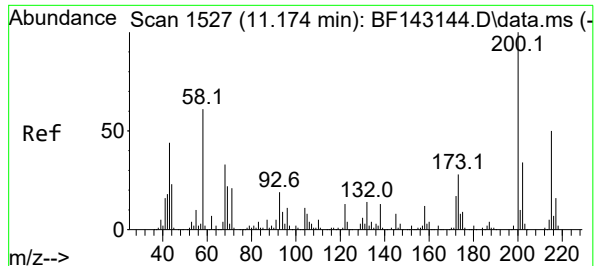
Ion Ratio Lower Upper

284 100

142 30.7 27.0 40.6

249 30.5 25.0 37.6





#69

Atrazine

Concen: 77.819 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

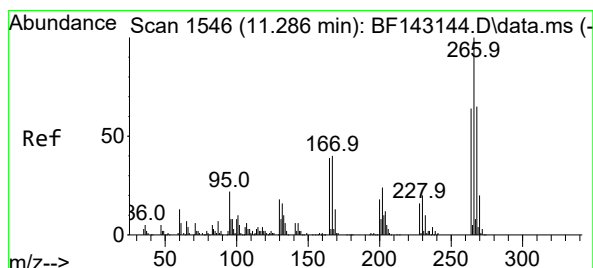
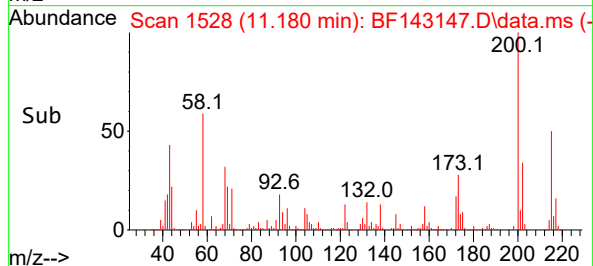
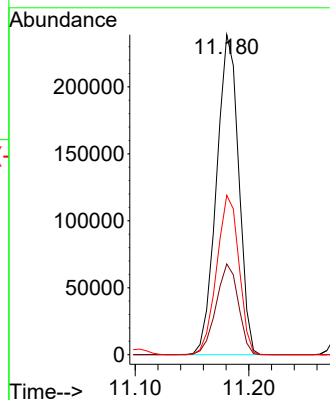
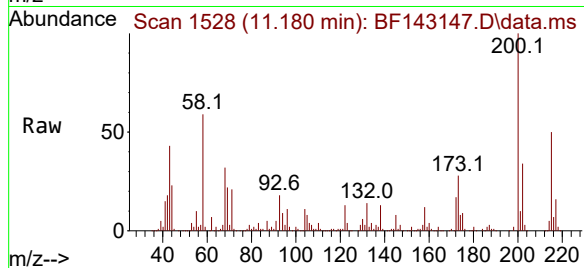
Tgt Ion:200 Resp: 324126

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 81.829 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

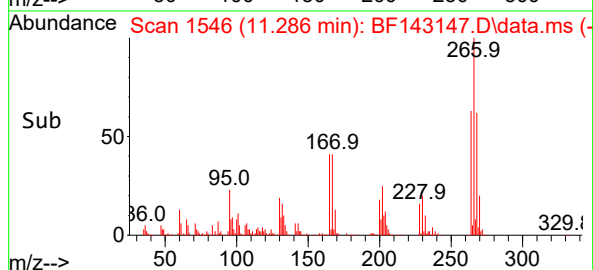
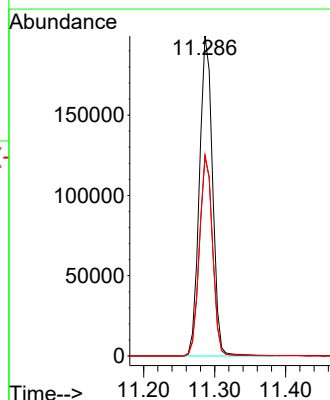
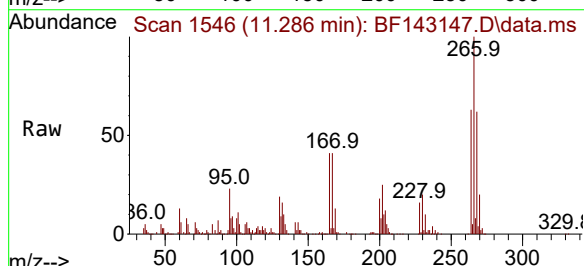
Tgt Ion:266 Resp: 257176

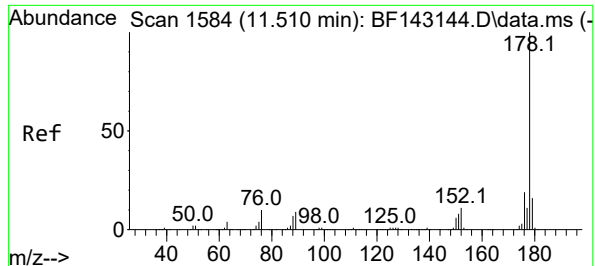
Ion Ratio Lower Upper

266 100

268 62.2 51.9 77.9

264 62.9 51.0 76.6

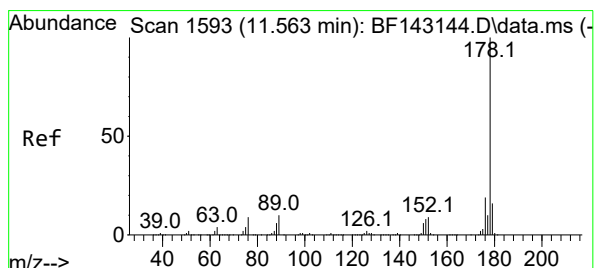
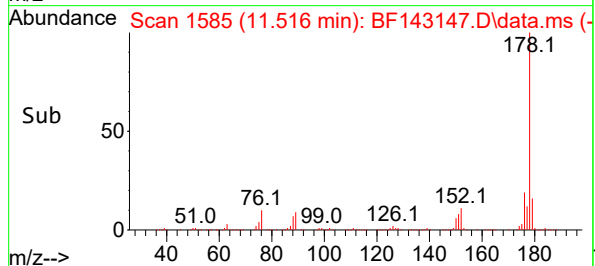
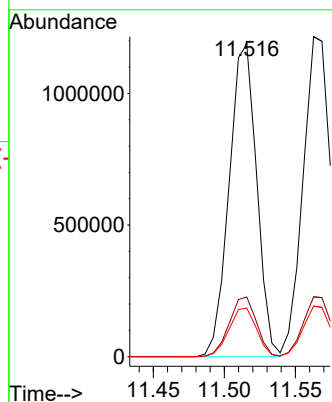
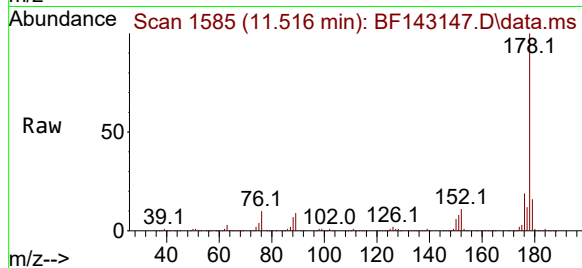




#71
Phenanthrene
Concen: 70.331 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

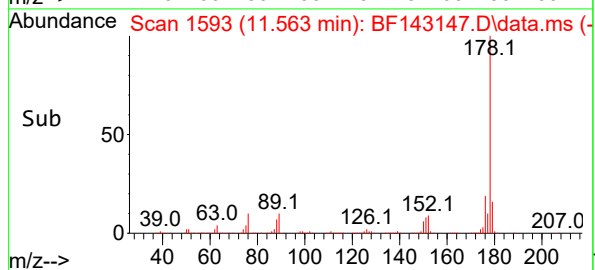
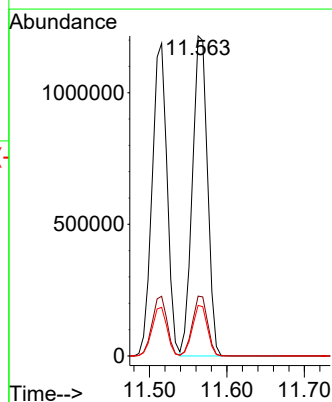
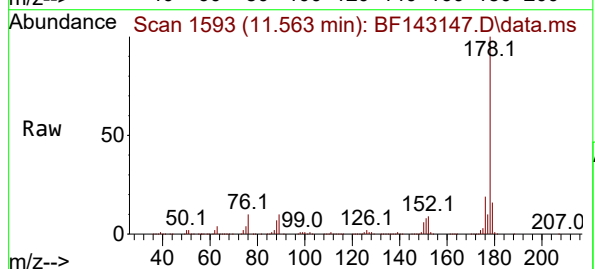
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

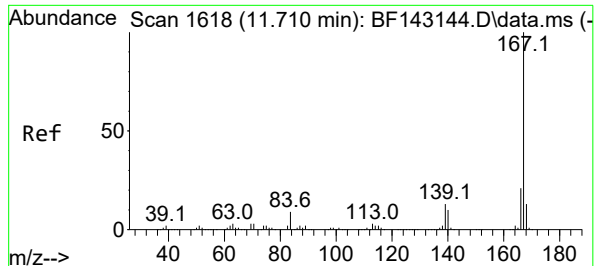
Tgt Ion:178 Resp: 1602208
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:178 Resp: 1641264
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.8 12.5 18.7

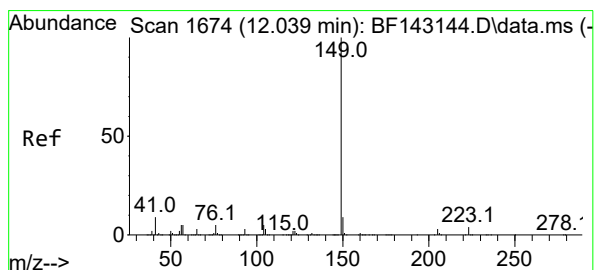
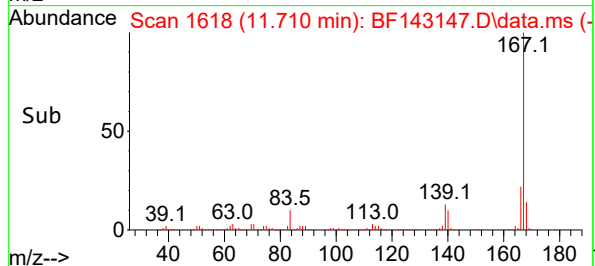
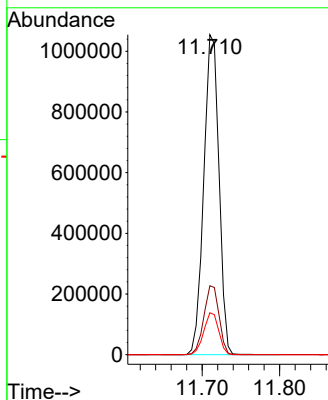
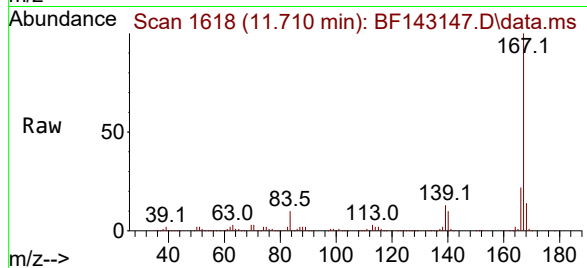




#73
Carbazole
Concen: 70.754 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

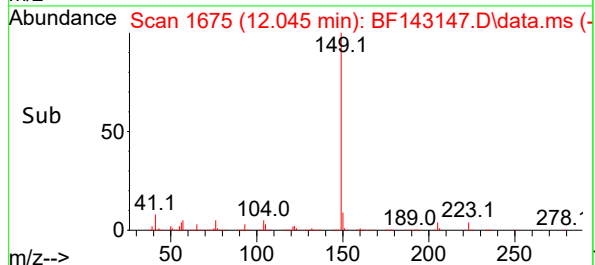
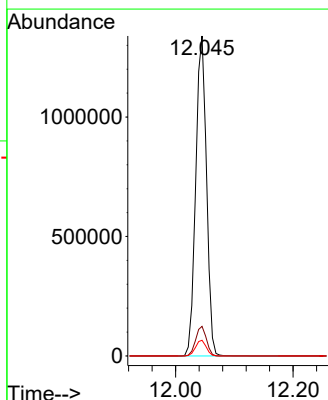
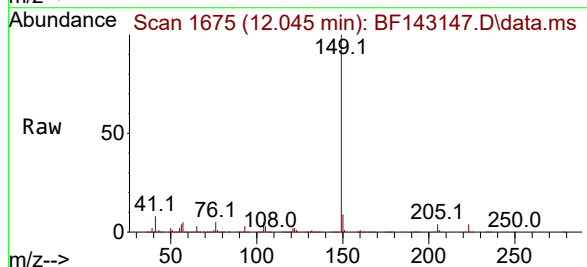
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

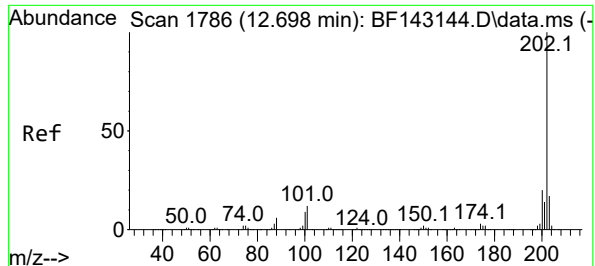
Tgt Ion:167 Resp: 1435444
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.0 15.0



#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1699503
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.8 5.8

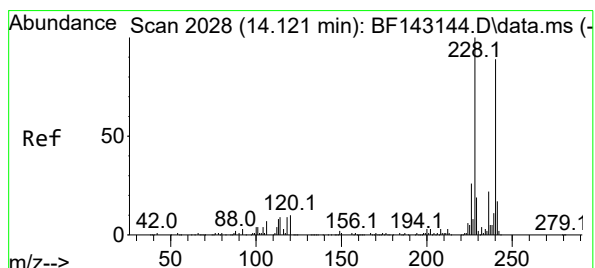
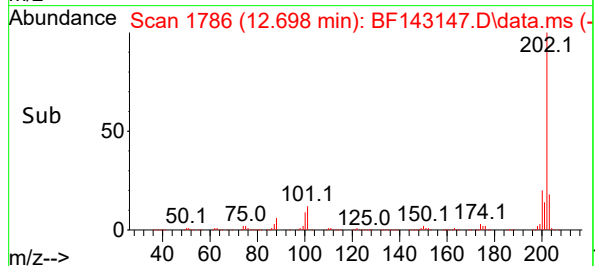
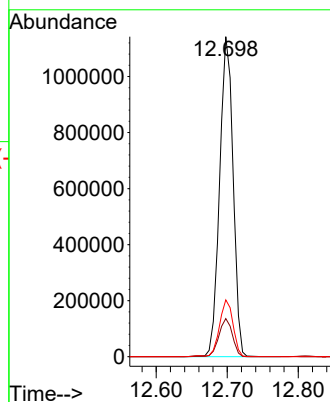
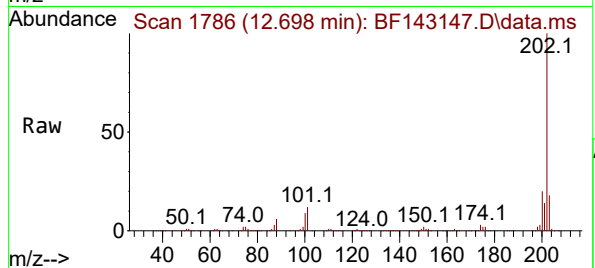




#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

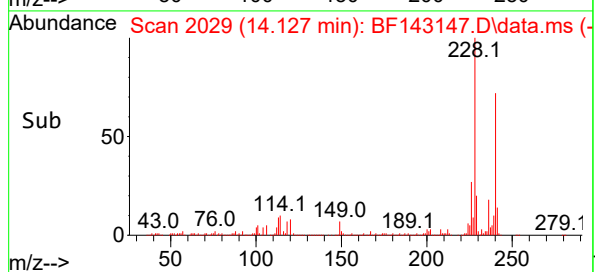
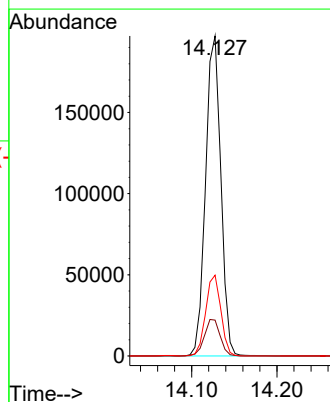
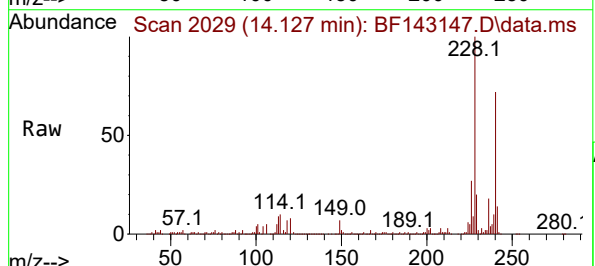
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

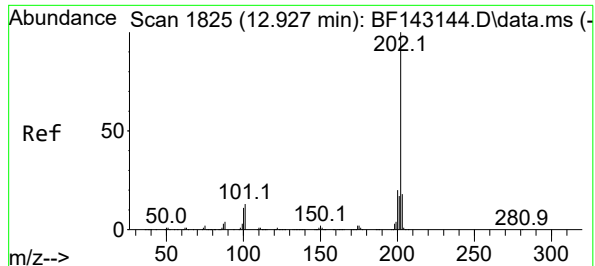
Tgt Ion:202 Resp: 1498103
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:240 Resp: 245351
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.2 20.2 30.4

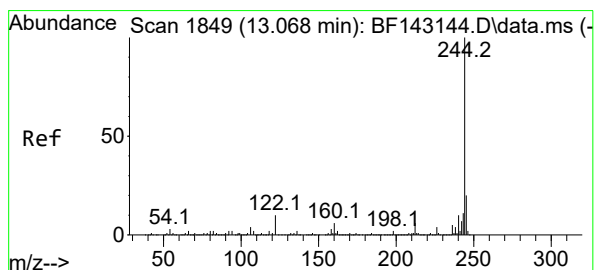
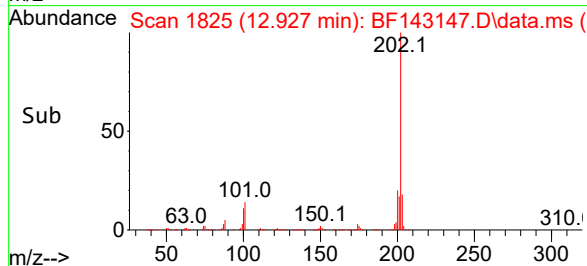
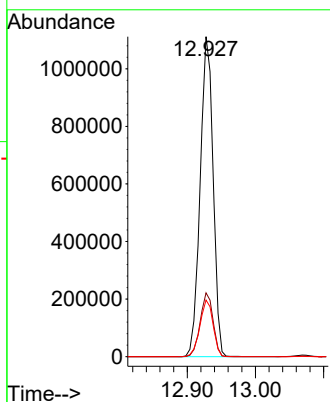
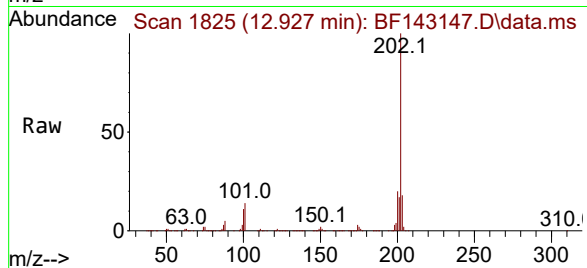




#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

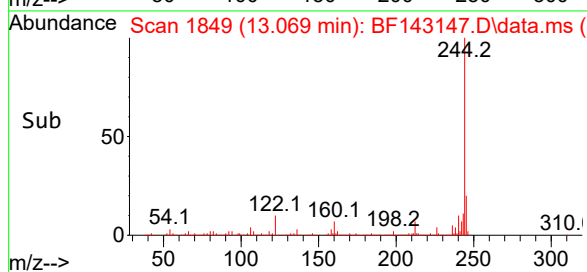
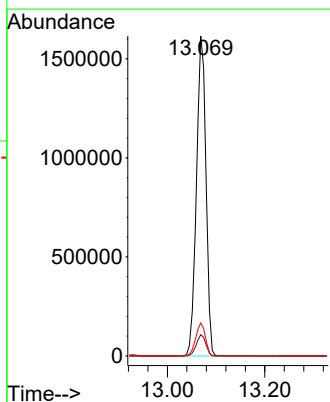
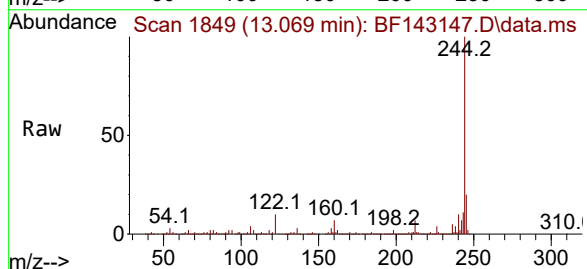
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

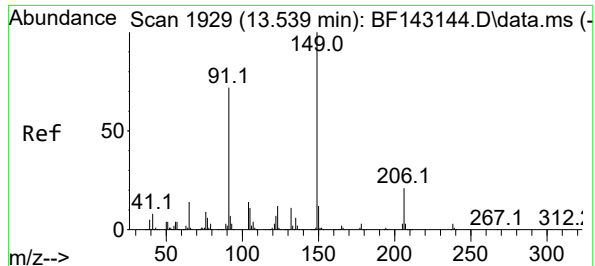
Tgt Ion:202 Resp: 1466205
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 17.7 14.2 21.2



#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:244 Resp: 2202828
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.4 8.2 12.2





#80

Butylbenzylphthalate

Concen: 81.353 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

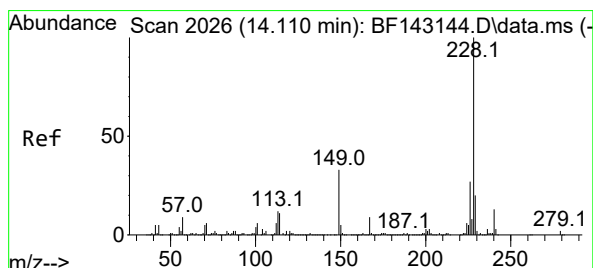
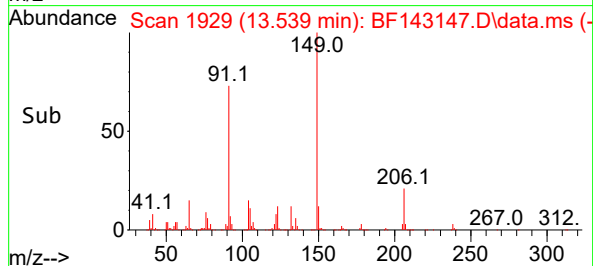
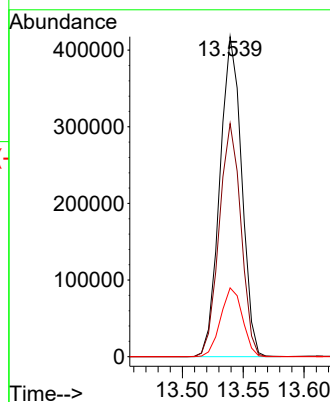
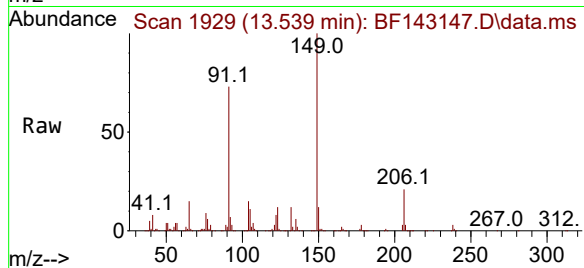
Tgt Ion:149 Resp: 521631

Ion Ratio Lower Upper

149 100

91 72.9 57.9 86.9

206 21.5 17.0 25.4



#81

Benzo(a)anthracene

Concen: 73.788 ng

RT: 14.116 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

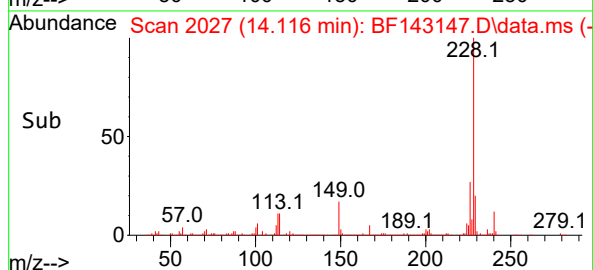
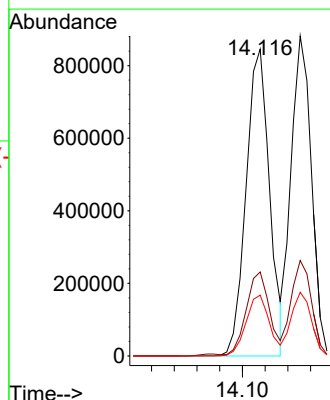
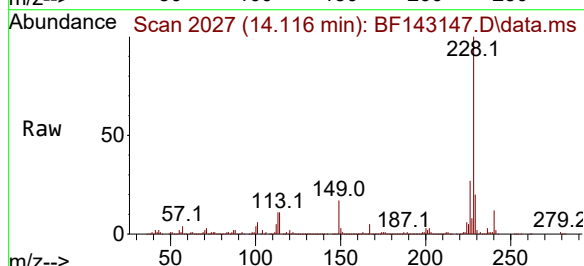
Tgt Ion:228 Resp: 1212056

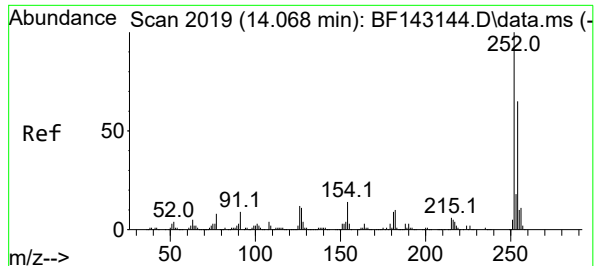
Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 19.8 15.8 23.6





#82

3,3'-Dichlorobenzidine

Concen: 71.867 ng

RT: 14.074 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

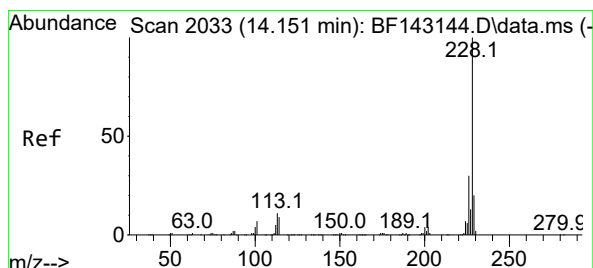
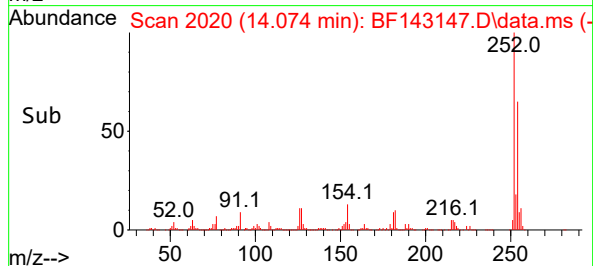
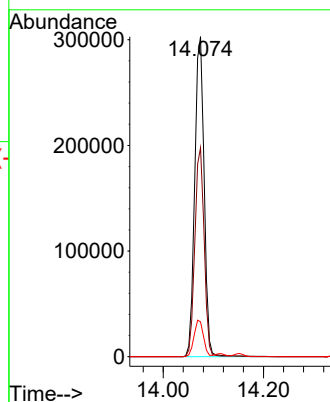
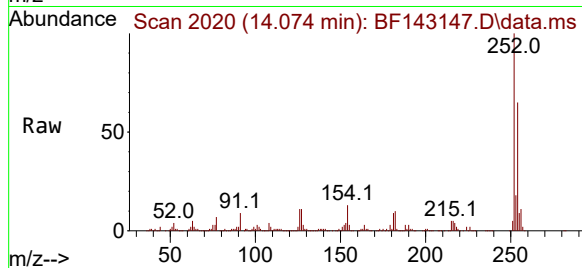
Tgt Ion:252 Resp: 393448

Ion Ratio Lower Upper

252 100

254 65.3 51.7 77.5

126 10.9 9.4 14.0



#83

Chrysene

Concen: 74.863 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

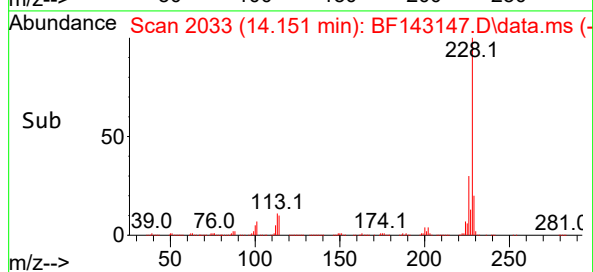
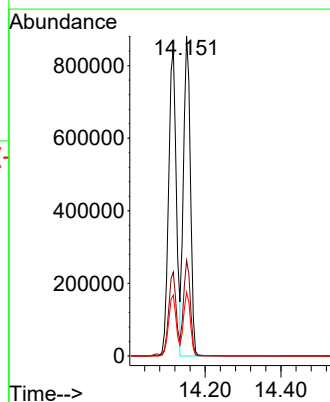
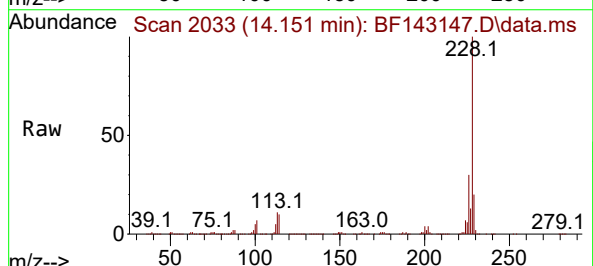
Tgt Ion:228 Resp: 1105636

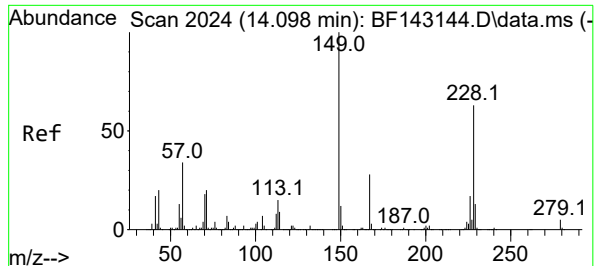
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 19.9 15.6 23.4

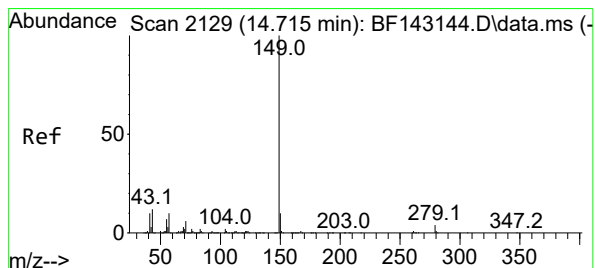
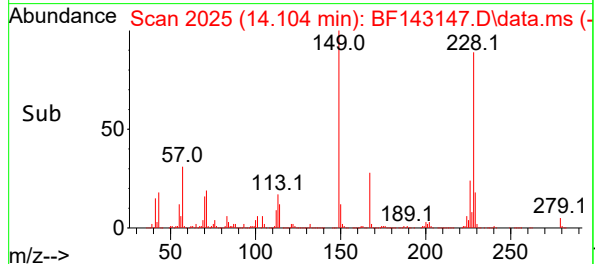
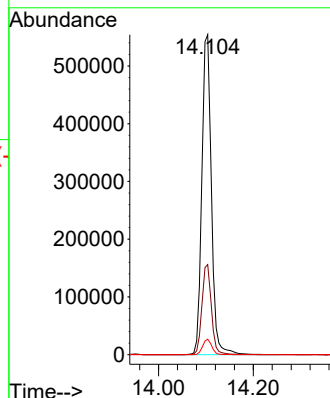
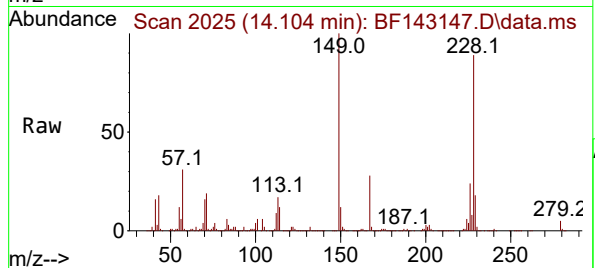




#84
Bis(2-ethylhexyl)phthalate
Concen: 79.790 ng
RT: 14.104 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

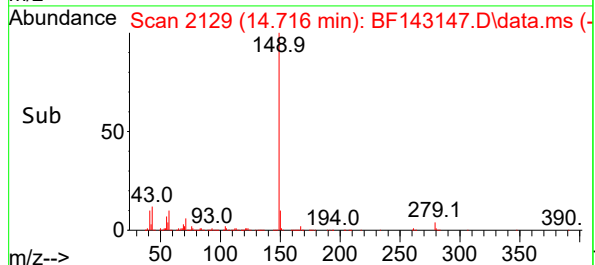
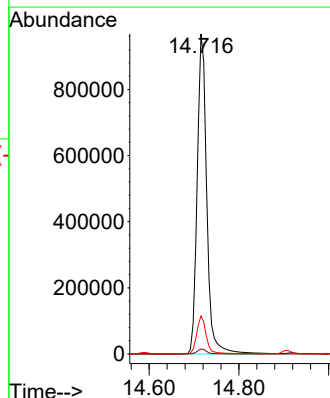
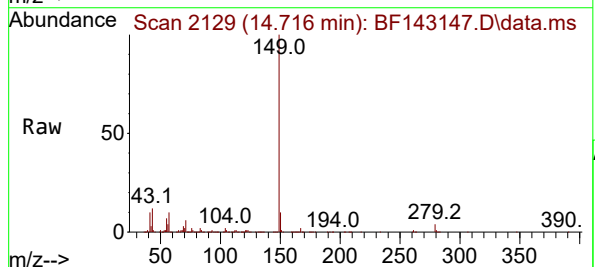
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

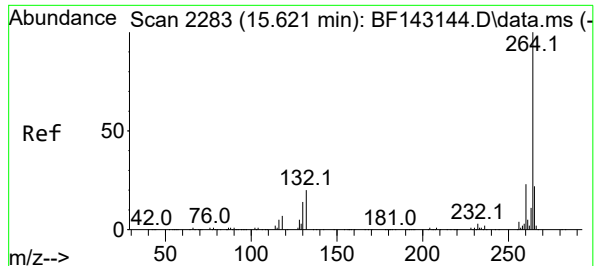
Tgt Ion:149 Resp: 774366
Ion Ratio Lower Upper
149 100
167 28.1 22.3 33.5
279 4.9 3.6 5.4



#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

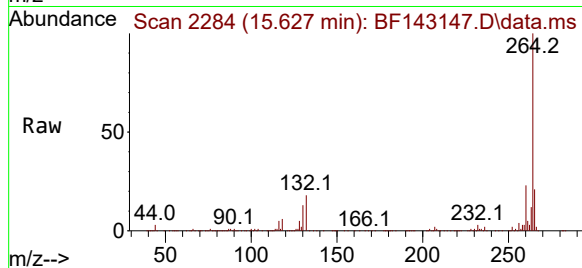
Tgt Ion:149 Resp: 1434055
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.9 9.7 14.5



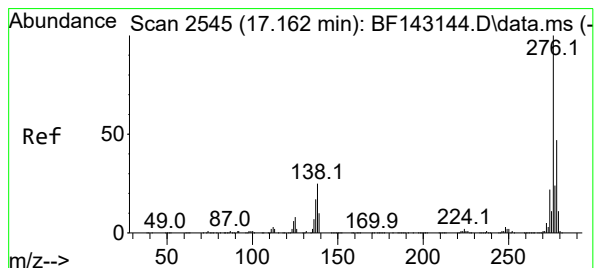
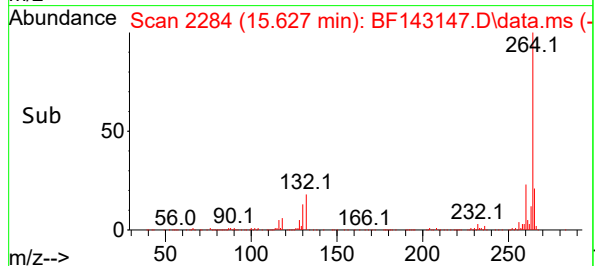
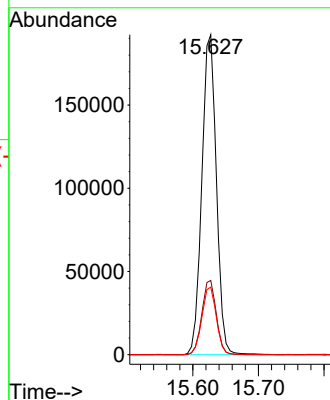


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

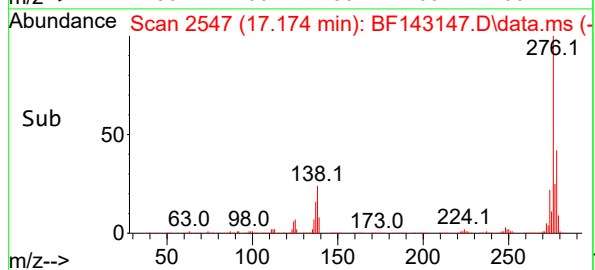
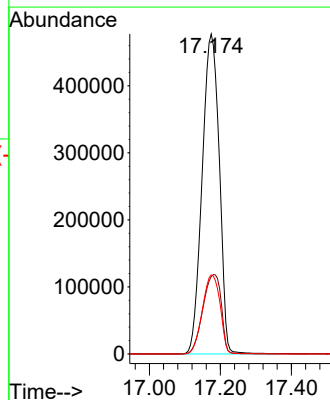
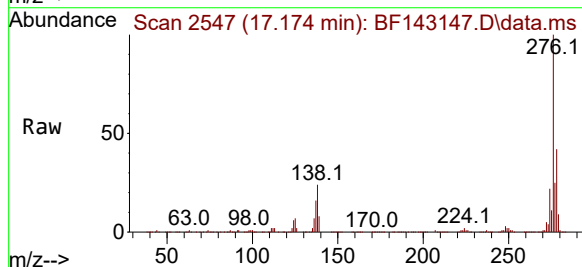


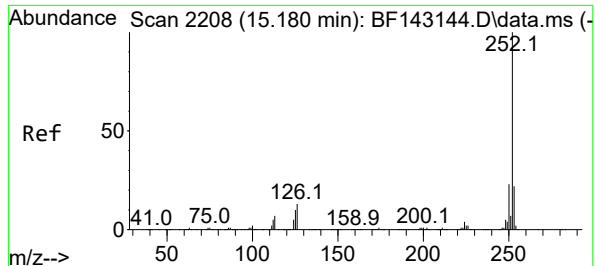
Tgt Ion:264 Resp: 296687
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.1 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 1604969
Ion Ratio Lower Upper
276 100
138 26.5 21.8 32.6
277 25.5 20.0 30.0

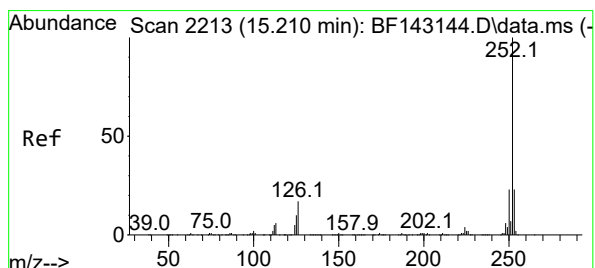
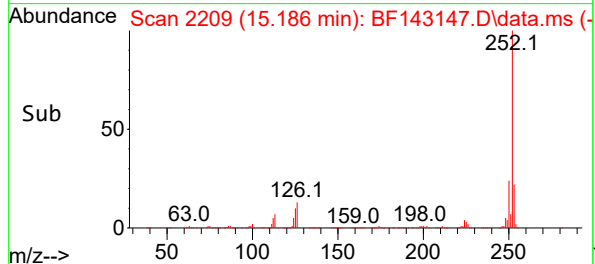
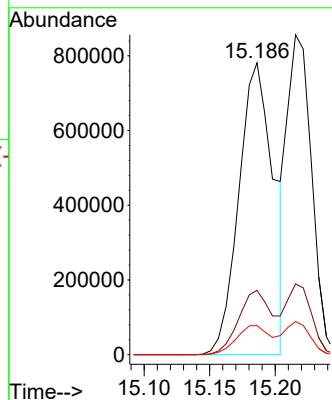
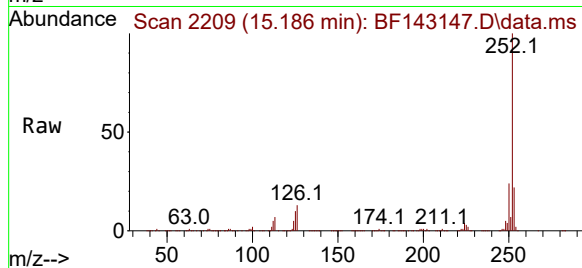




#88
Benzo(b)fluoranthene
Concen: 79.367 ng
RT: 15.186 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

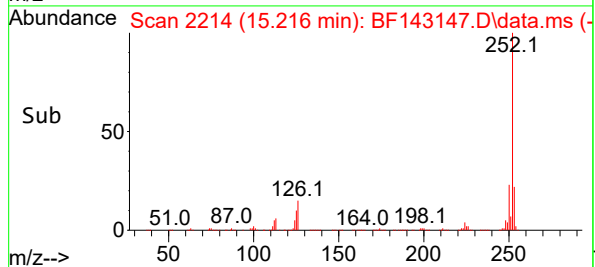
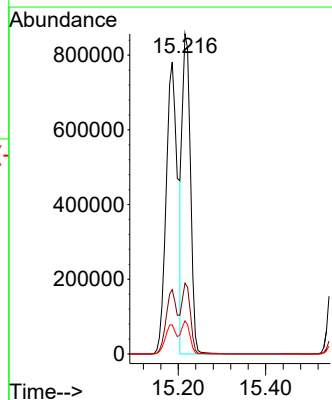
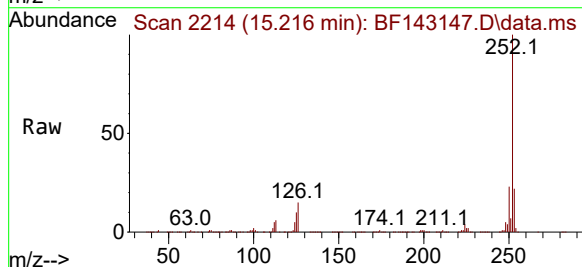
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

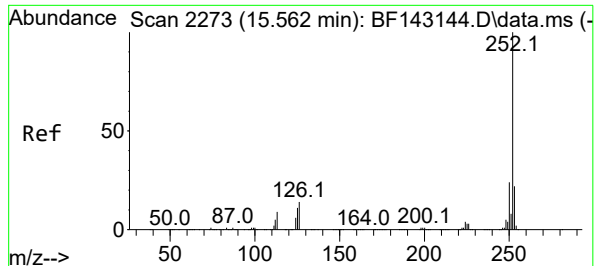
Tgt Ion:252 Resp: 1438518
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.0 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 1111726
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.4 8.1 12.1

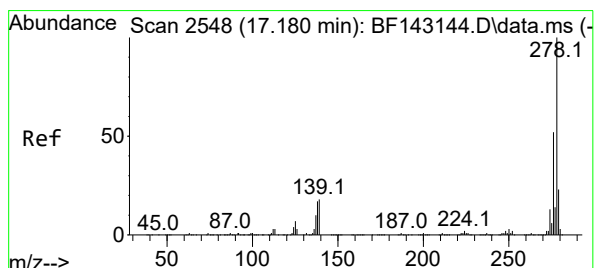
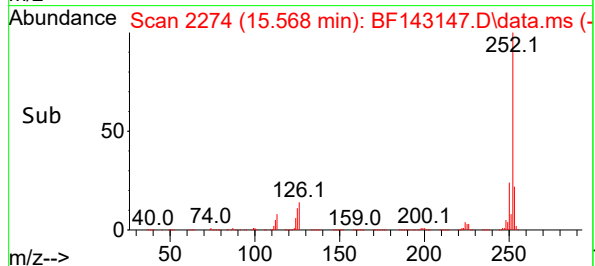
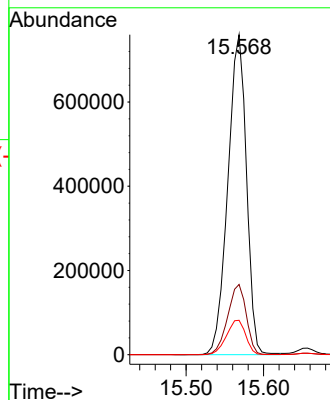
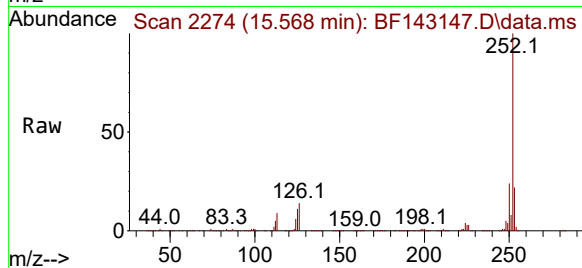




#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

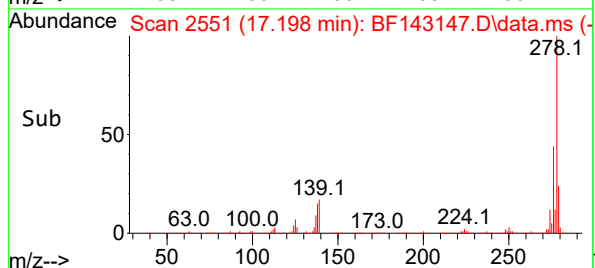
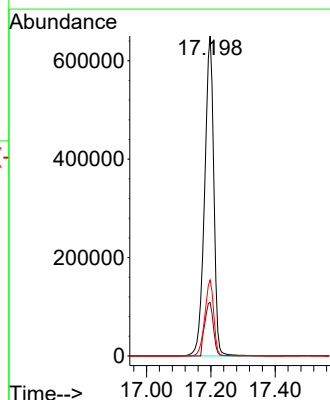
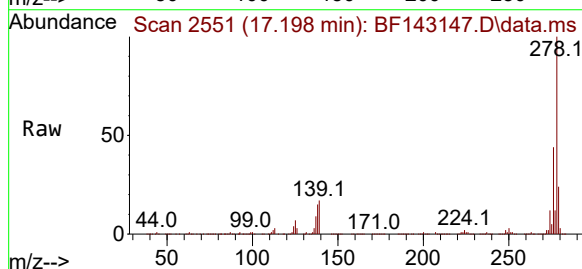
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

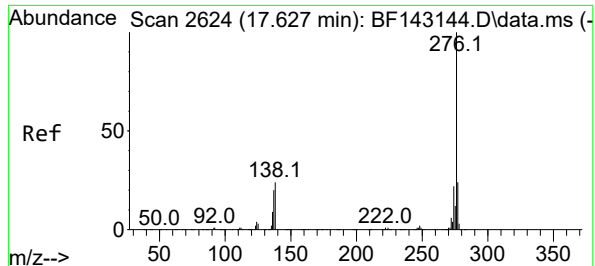
Tgt Ion:252 Resp: 1269253
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.8 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:278 Resp: 1289789
Ion Ratio Lower Upper
278 100
139 16.7 14.1 21.1
279 23.8 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 76.846 ng

RT: 17.645 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143147.D

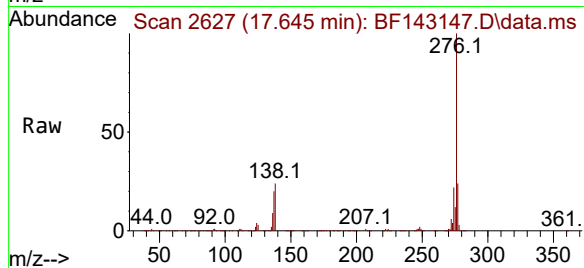
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



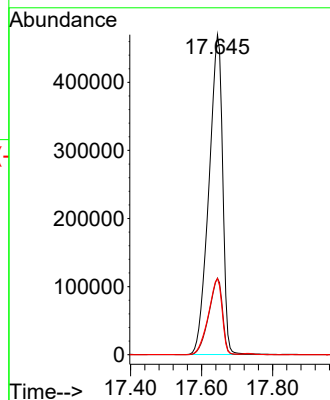
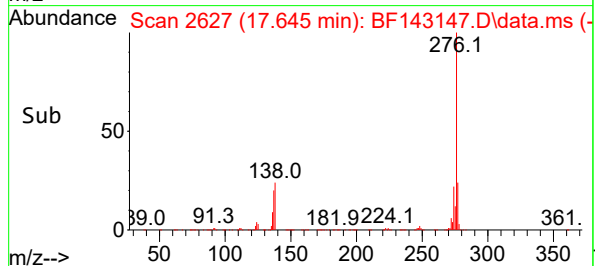
Tgt Ion:276 Resp: 1265778

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 23.7 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	143868	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	559677	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	287255	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457098	20.000	ng	0.00
76) Chrysene-d12	14.121	240	265008	20.000	ng	0.00
86) Perylene-d12	15.621	264	310192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	701339	77.143	ng	0.00
7) Phenol-d6	6.581	99	894087	78.133	ng	0.00
23) Nitrobenzene-d5	7.522	82	811178	72.247	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	237309	79.969	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1449098	68.992	ng	0.00
79) Terphenyl-d14	13.068	244	1234701	69.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	165605	38.496	ng	98
3) Pyridine	3.569	79	453367	40.604	ng	99
4) n-Nitrosodimethylamine	3.510	42	235215	40.802	ng	97
6) Aniline	6.622	93	655116	41.078	ng	99
8) 2-Chlorophenol	6.745	128	395767	41.530	ng	99
9) Benzaldehyde	6.510	77	321269	37.441	ng	98
10) Phenol	6.598	94	508952m	40.827	ng	
11) bis(2-Chloroethyl)ether	6.692	93	387791	40.628	ng	100
12) 1,3-Dichlorobenzene	6.904	146	418232	40.400	ng	99
13) 1,4-Dichlorobenzene	6.981	146	424629	40.731	ng	99
14) 1,2-Dichlorobenzene	7.134	146	411560	41.506	ng	99
15) Benzyl Alcohol	7.098	79	366608	41.958	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	732274	41.357	ng	100
17) 2-Methylphenol	7.204	107	331709	41.398	ng	99
18) Hexachloroethane	7.481	117	151232	41.903	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	296171	40.342	ng	100
20) 3+4-Methylphenols	7.357	107	412065	42.387	ng	98
22) Acetophenone	7.369	105	533464	40.260	ng	99
24) Nitrobenzene	7.539	77	436834	41.731	ng	98
25) Isophorone	7.781	82	804071	40.567	ng	99
26) 2-Nitrophenol	7.857	139	203967	44.896	ng	100
27) 2,4-Dimethylphenol	7.886	122	377575	40.773	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	474637	39.939	ng	99
29) 2,4-Dichlorophenol	8.092	162	319216	40.875	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	342135	40.551	ng	99
31) Naphthalene	8.269	128	1106482	40.143	ng	100
32) Benzoic acid	7.986	122	202337	39.782	ng	98
33) 4-Chloroaniline	8.310	127	457742	40.671	ng	99
34) Hexachlorobutadiene	8.386	225	212781	41.284	ng	100
35) Caprolactam	8.675	113	96661	40.959	ng	98
36) 4-Chloro-3-methylphenol	8.780	107	344726	40.611	ng	99
37) 2-Methylnaphthalene	8.957	142	675594	40.279	ng	100
38) 1-Methylnaphthalene	9.057	142	703170	40.712	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	339567	40.944	ng	98
41) Hexachlorocyclopentadiene	9.116	237	231349	42.872	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	231043	40.253	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

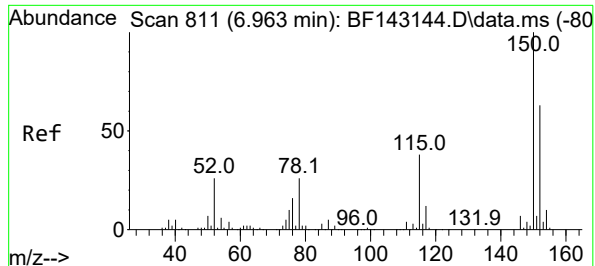
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	246820	42.989	ng	97
46) 1,1'-Biphenyl	9.422	154	920059	41.053	ng	100
47) 2-Chloronaphthalene	9.445	162	666359	40.184	ng	100
48) 2-Nitroaniline	9.533	65	227376	43.723	ng	100
49) Acenaphthylene	9.863	152	1111992	40.013	ng	100
50) Dimethylphthalate	9.716	163	753041	40.218	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166911	43.820	ng	98
52) Acenaphthene	10.033	154	659908	40.176	ng	99
53) 3-Nitroaniline	9.939	138	191512	42.985	ng	98
54) 2,4-Dinitrophenol	10.045	184	64659	40.998	ng	98
55) Dibenzofuran	10.204	168	974991	39.981	ng	100
56) 4-Nitrophenol	10.086	139	140876	42.344	ng	99
57) 2,4-Dinitrotoluene	10.175	165	212369	44.440	ng	97
58) Fluorene	10.551	166	717816	39.219	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	198530	41.743	ng	99
60) Diethylphthalate	10.416	149	753774	40.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	367981	40.377	ng	99
62) 4-Nitroaniline	10.551	138	160193	41.953	ng	98
63) Azobenzene	10.698	77	779524	40.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	98462	41.869	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647855	40.250	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	222405	40.828	ng	100
68) Hexachlorobenzene	11.098	284	229272	40.268	ng	100
69) Atrazine	11.174	200	189104	42.615	ng	99
70) Pentachlorophenol	11.286	266	141608	42.292	ng	99
71) Phenanthrene	11.510	178	971448	40.026	ng	100
72) Anthracene	11.563	178	1003925	40.557	ng	99
73) Carbazole	11.710	167	874867	40.476	ng	100
74) Di-n-butylphthalate	12.039	149	1035244	42.330	ng	100
75) Fluoranthene	12.698	202	909717	40.836	ng	100
77) Benzidine	12.810	184	441470	43.239	ng	100
78) Pyrene	12.927	202	902771	39.916	ng	99
80) Butylbenzylphthalate	13.539	149	303528	43.827	ng	98
81) Benzo(a)anthracene	14.110	228	708799	39.950	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	258837	43.772	ng	100
83) Chrysene	14.145	228	673701	42.233	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	456811	43.578	ng	100
85) Di-n-octyl phthalate	14.715	149	818512	43.077	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	896404	40.983	ng	100
88) Benzo(b)fluoranthene	15.180	252	820119	43.278	ng	100
89) Benzo(k)fluoranthene	15.209	252	634642	37.531	ng	99
90) Benzo(a)pyrene	15.562	252	708756	40.594	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	724758	40.710	ng	99
92) Benzo(g,h,i)perylene	17.627	276	712864	41.394	ng	100

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

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

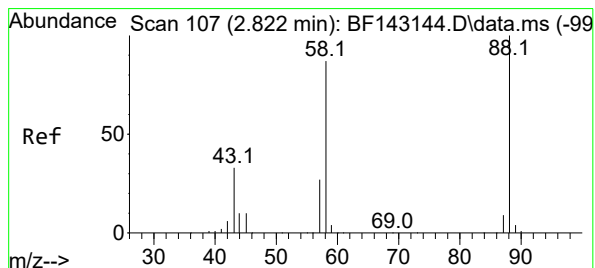
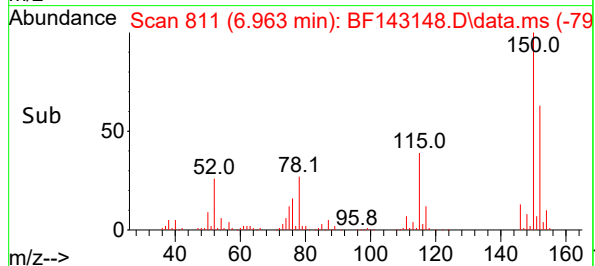
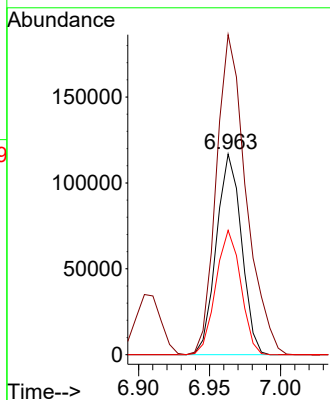
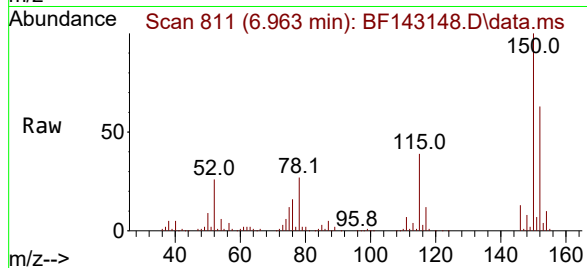
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

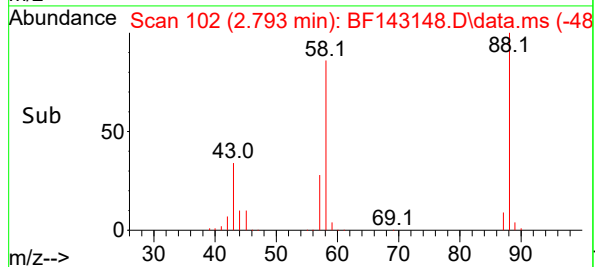
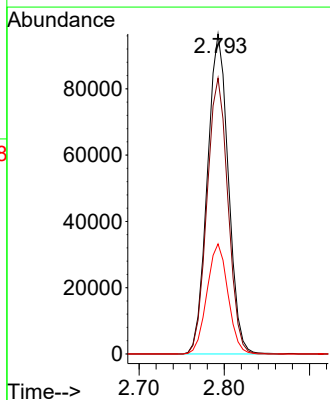
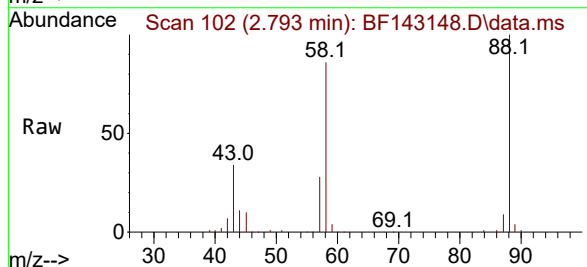
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BNA_F
ClientSampleId :
ICVBF071725

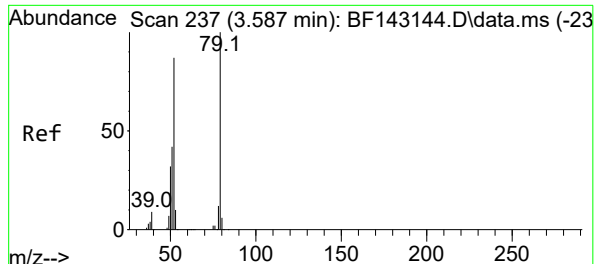
Tgt Ion:152 Resp: 143868
Ion Ratio Lower Upper
152 100
150 159.5 128.2 192.4
115 62.0 47.9 71.9



#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 88 Resp: 165605
Ion Ratio Lower Upper
88 100
58 86.0 70.2 105.2
43 34.4 27.1 40.7

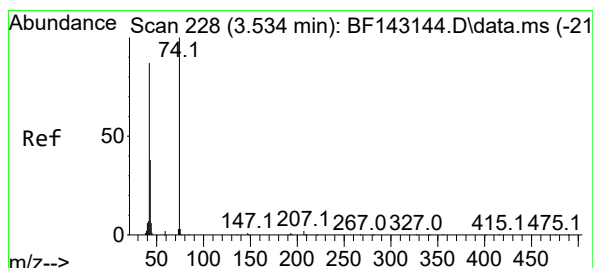
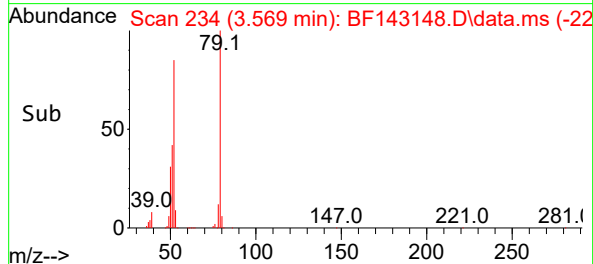
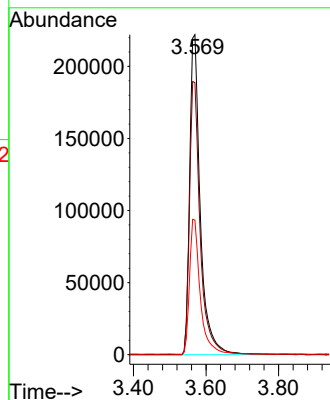
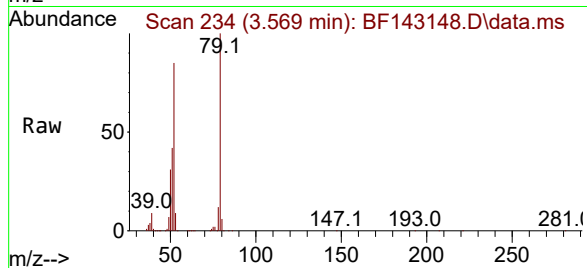




#3
Pyridine
Concen: 40.604 ng
RT: 3.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

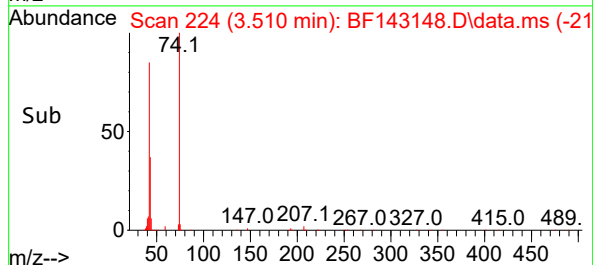
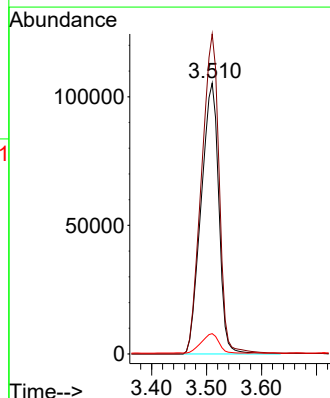
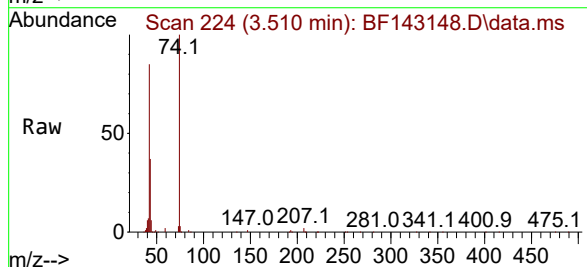
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BNA_F
ClientSampleId :
ICVBF071725

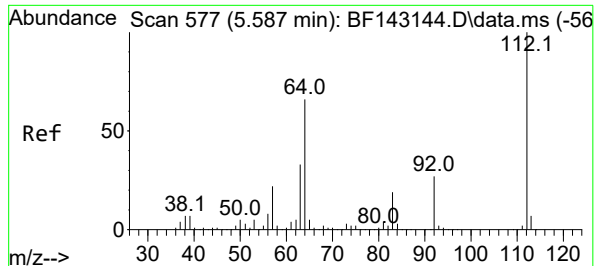
Tgt Ion: 79 Resp: 453367
Ion Ratio Lower Upper
79 100
52 85.0 69.4 104.2
51 42.0 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 42 Resp: 235215
Ion Ratio Lower Upper
42 100
74 118.1 91.7 137.5
44 7.5 5.6 8.4





#5

2-Fluorophenol

Concen: 77.143 ng

RT: 5.581 min Scan# 51

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

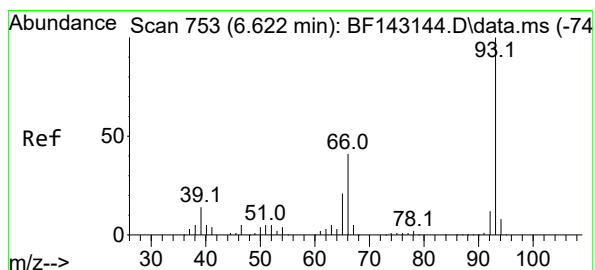
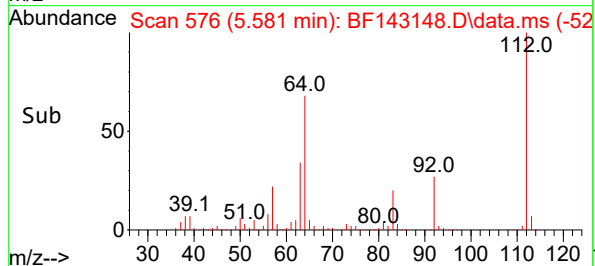
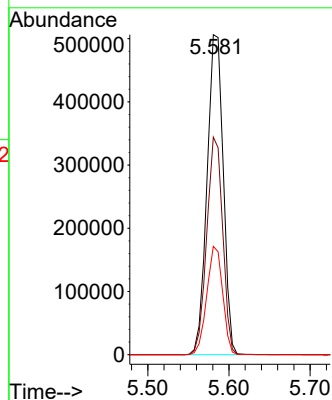
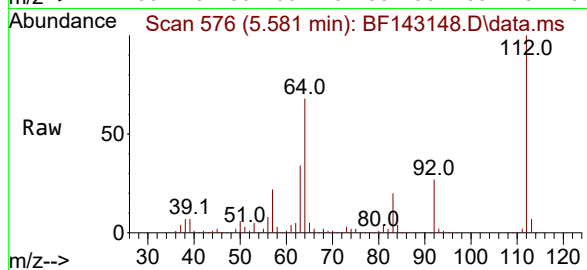
Tgt Ion:112 Resp: 701339

Ion Ratio Lower Upper

112 100

64 68.0 53.1 79.7

63 33.9 26.6 40.0



#6

Aniline

Concen: 41.078 ng

RT: 6.622 min Scan# 753

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

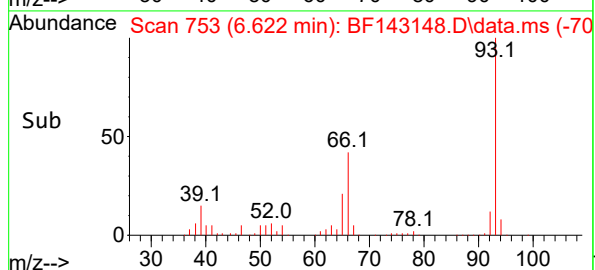
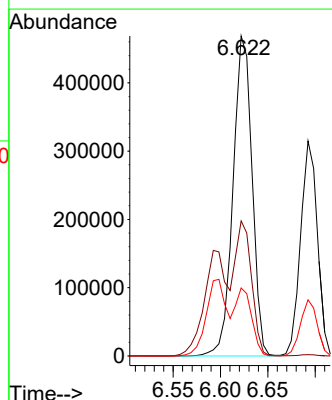
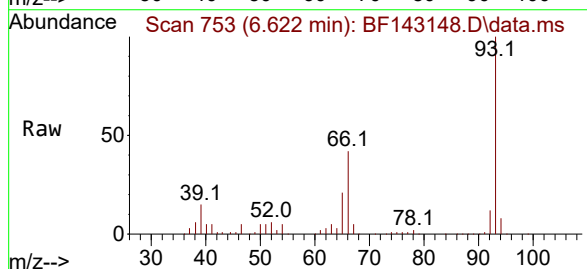
Tgt Ion: 93 Resp: 655116

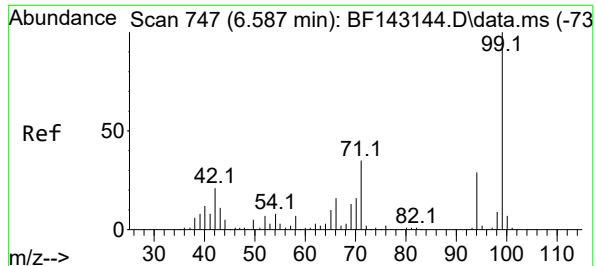
Ion Ratio Lower Upper

93 100

66 42.2 33.2 49.8

65 21.3 16.9 25.3

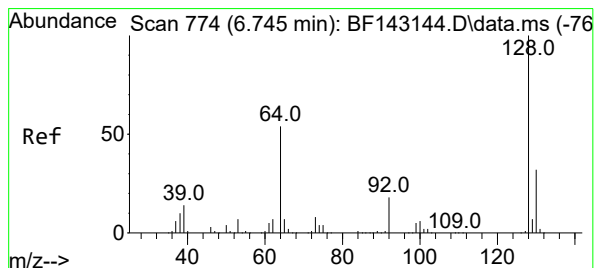
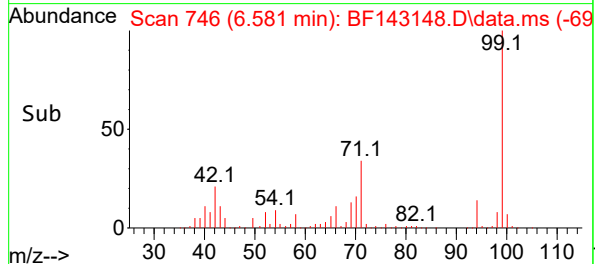
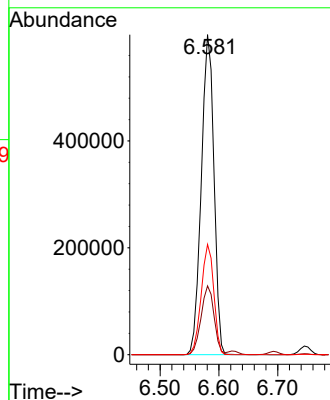
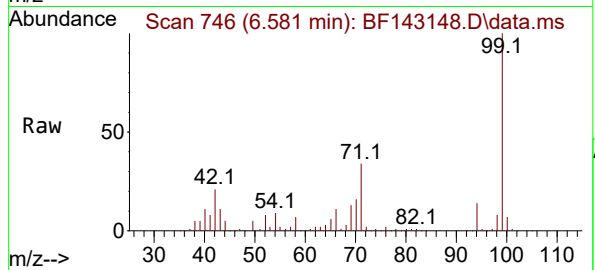




#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

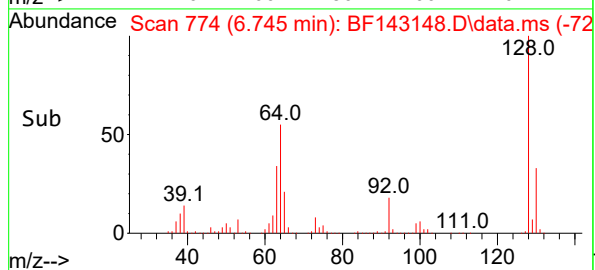
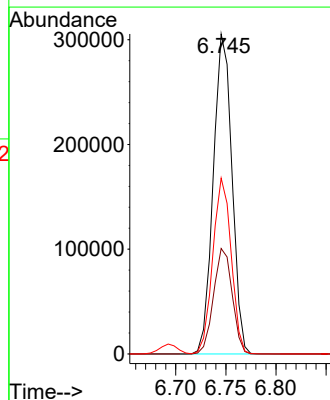
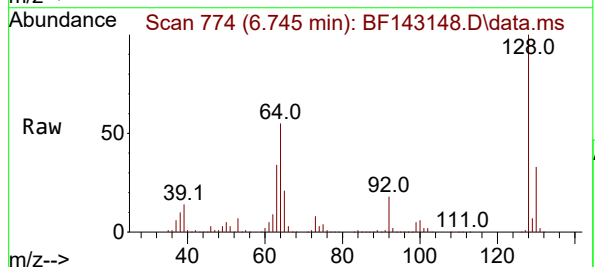
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

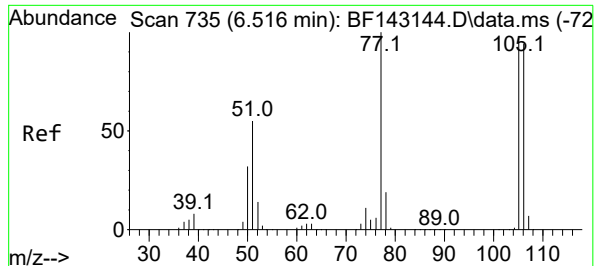
Tgt Ion: 99 Resp: 894087
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.5 27.7 41.5



#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 128 Resp: 395767
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 54.9 35.9 75.9

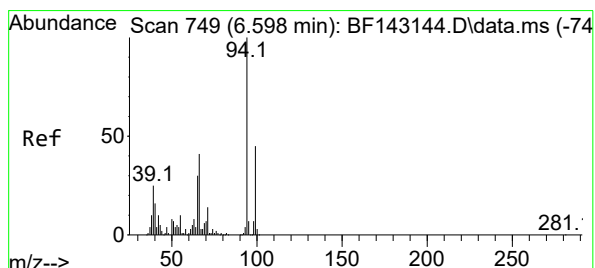
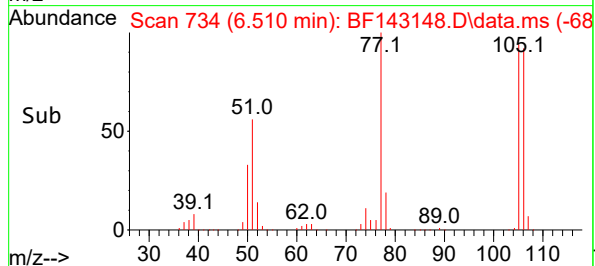
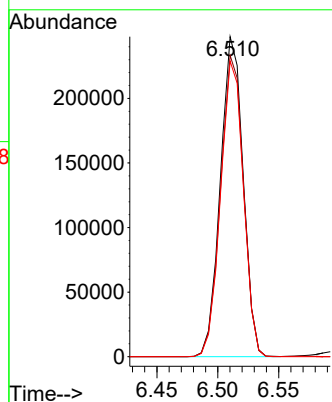
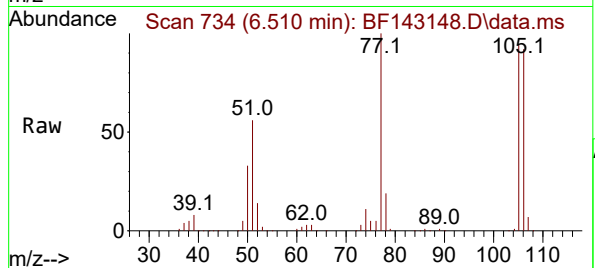




#9
Benzaldehyde
Concen: 37.441 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

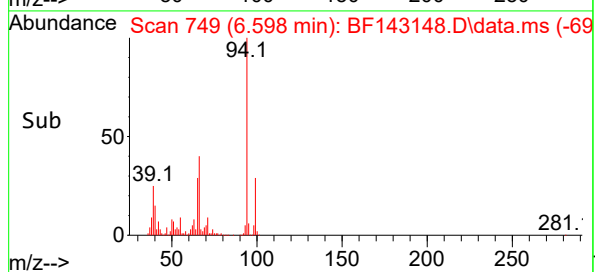
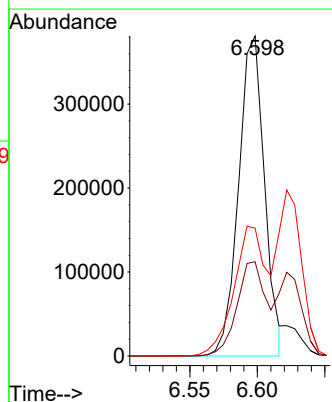
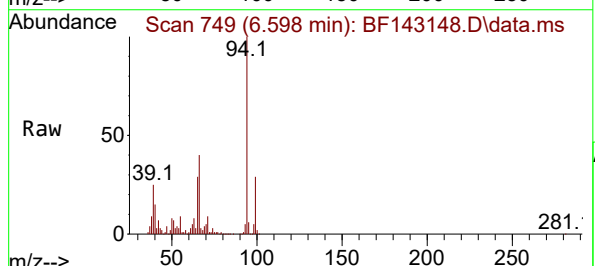
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

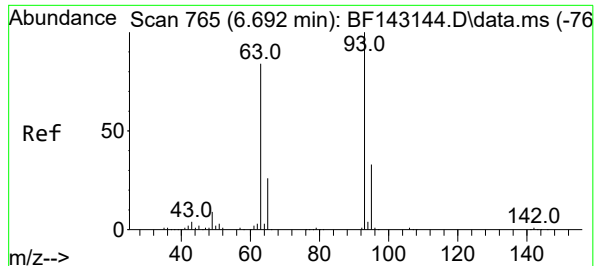
Tgt Ion: 77 Resp: 321269
Ion Ratio Lower Upper
77 100
105 94.2 76.8 116.8
106 92.4 74.4 114.4



#10
Phenol
Concen: 40.827 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 94 Resp: 508952
Ion Ratio Lower Upper
94 100
65 29.4 10.0 50.0
66 40.0 20.8 60.8

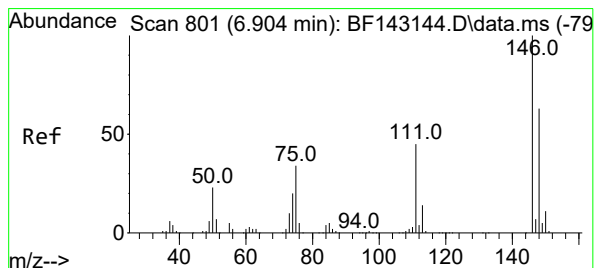
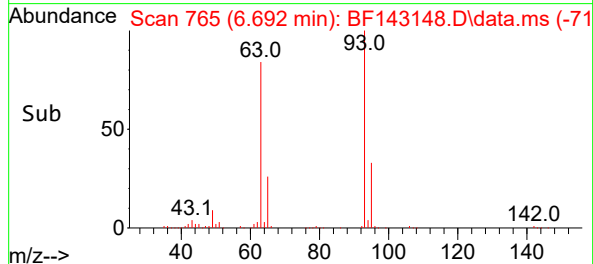
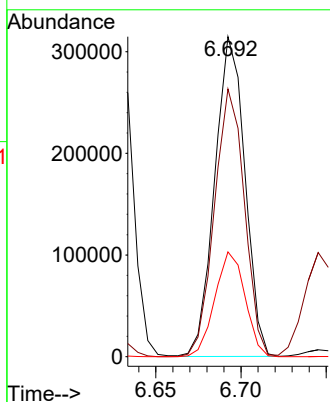
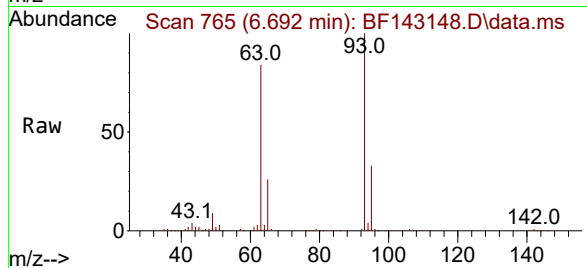




#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

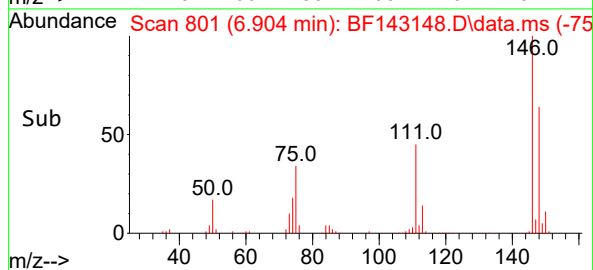
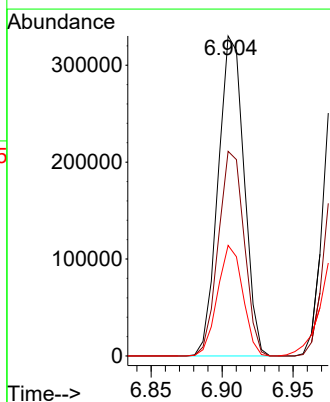
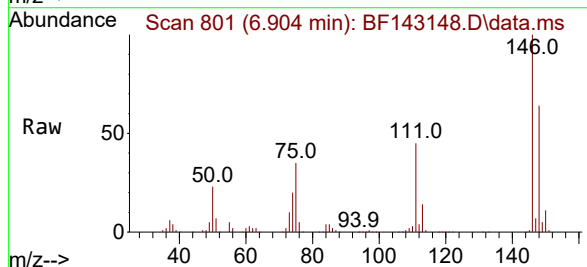
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

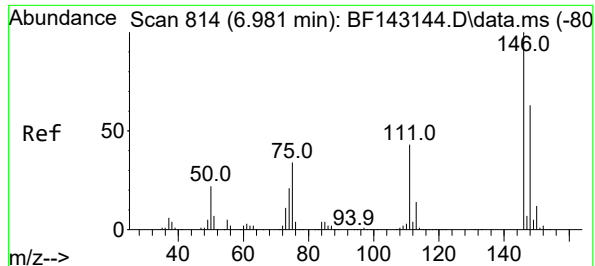
Tgt Ion: 93 Resp: 387791
Ion Ratio Lower Upper
93 100
63 83.7 63.4 103.4
95 32.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 418232
Ion Ratio Lower Upper
146 100
148 63.9 50.6 76.0
75 34.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.731 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

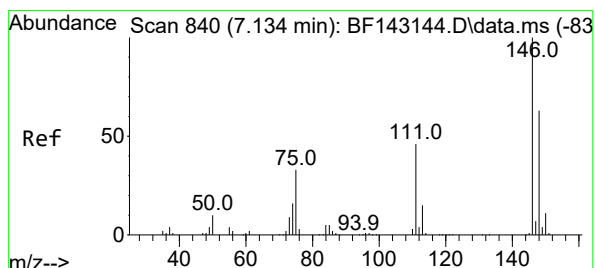
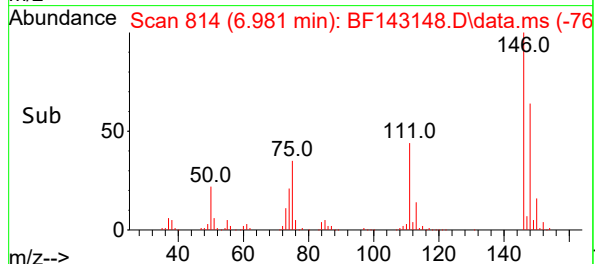
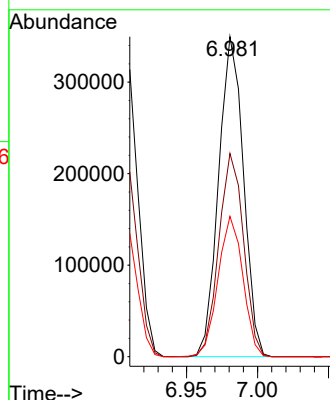
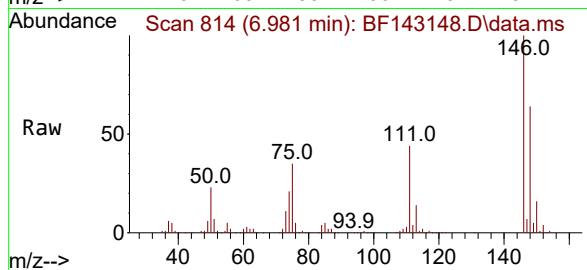
Tgt Ion:146 Resp: 424629

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

111 43.8 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 41.506 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

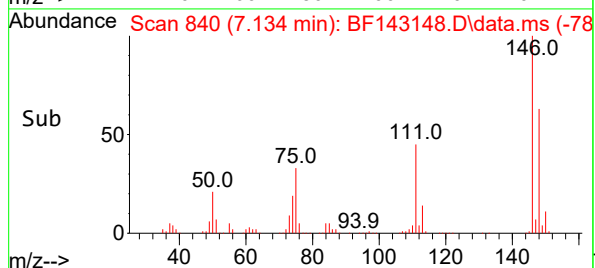
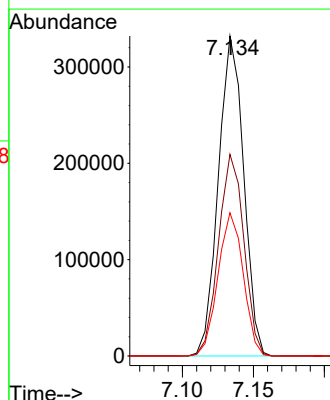
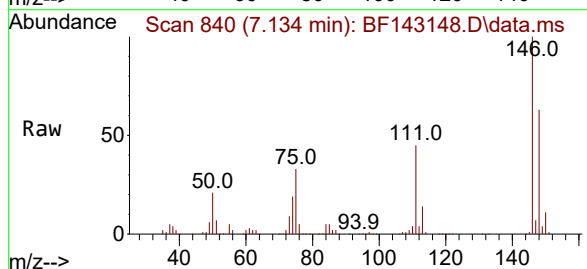
Tgt Ion:146 Resp: 411560

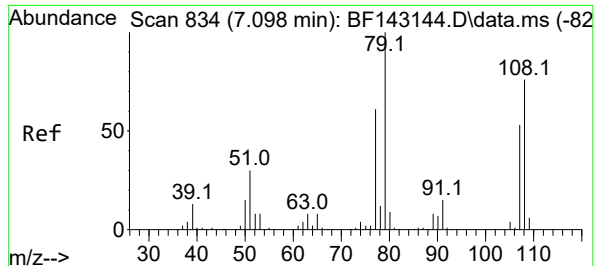
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 44.8 36.6 54.8





#15

Benzyl Alcohol

Concen: 41.958 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

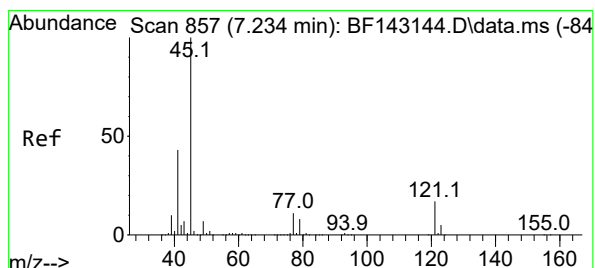
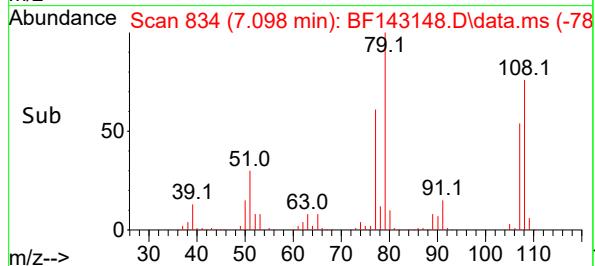
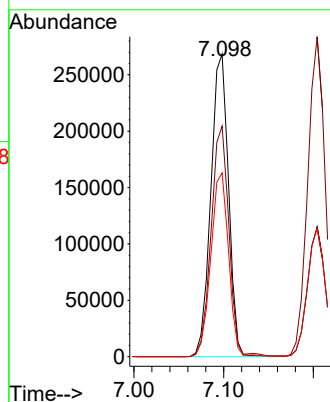
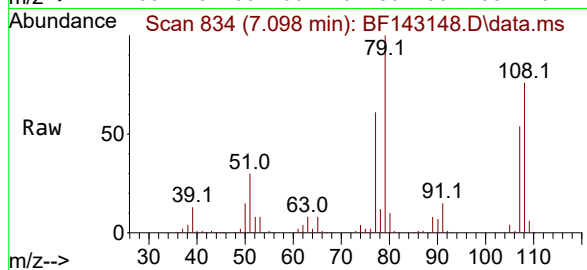
Tgt Ion: 79 Resp: 366608

Ion Ratio Lower Upper

79 100

108 76.2 61.1 91.7

77 60.8 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.357 ng

RT: 7.234 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

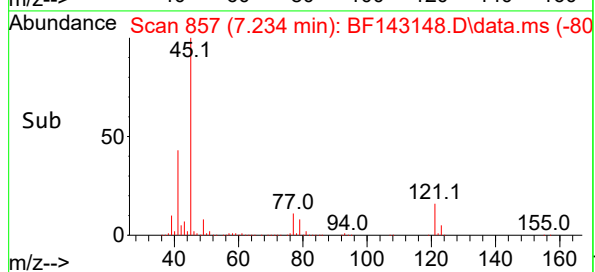
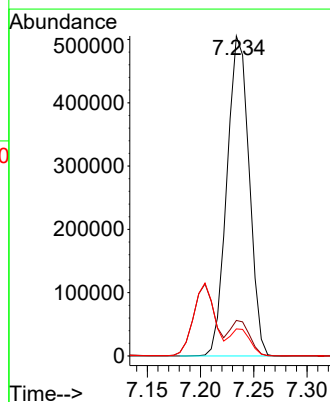
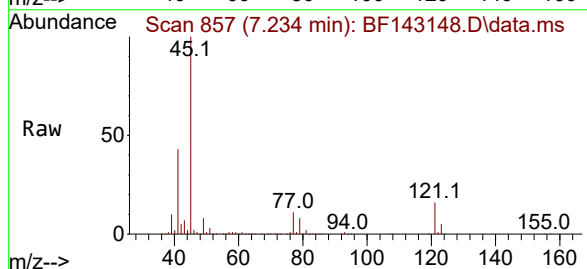
Tgt Ion: 45 Resp: 732274

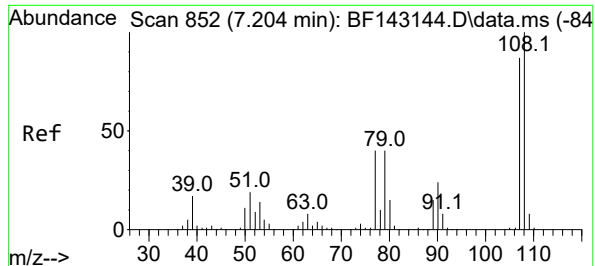
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.2

79 8.5 0.0 28.5

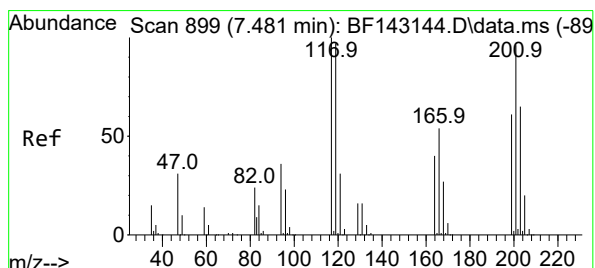
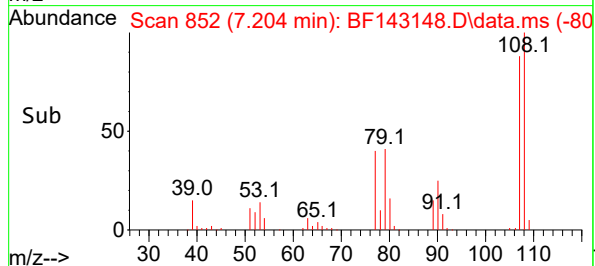
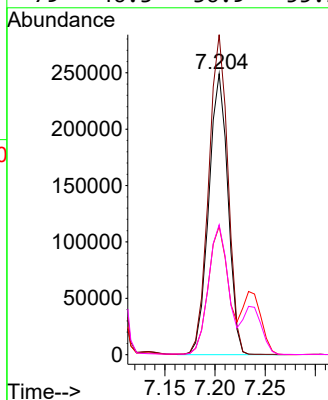
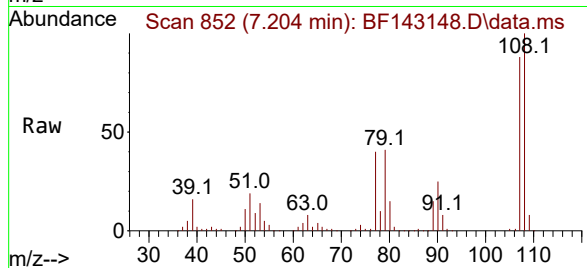




#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

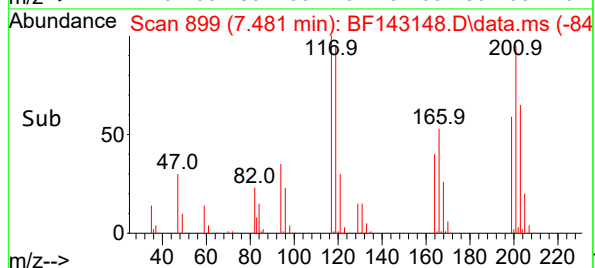
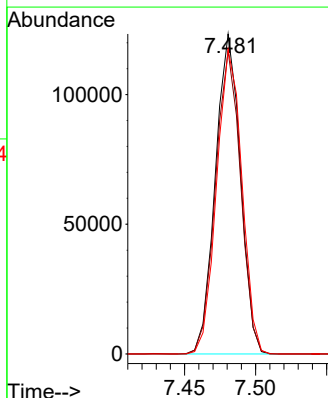
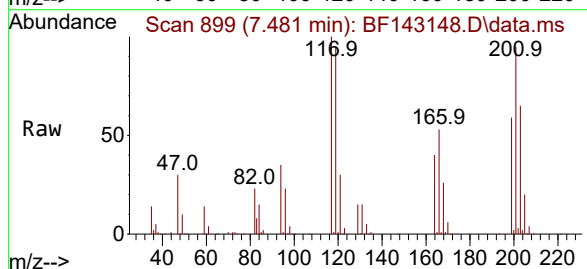
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

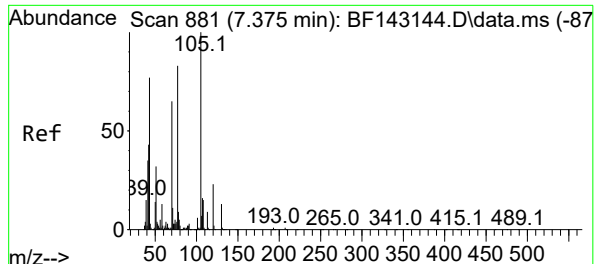
Tgt Ion:	107	Resp:	331709
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.8	137.6
77	45.7	37.0	55.6
79	46.3	36.9	55.3



#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:	117	Resp:	151232
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.8
201	95.2	77.0	115.4





#19

n-Nitroso-di-n-propylamine

Concen: 40.342 ng

RT: 7.375 min Scan# 881

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 70 Resp: 296171

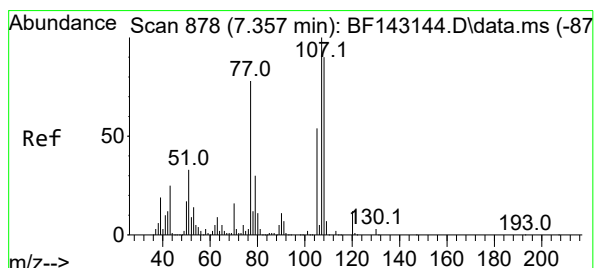
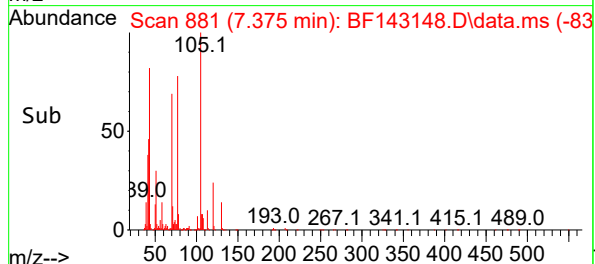
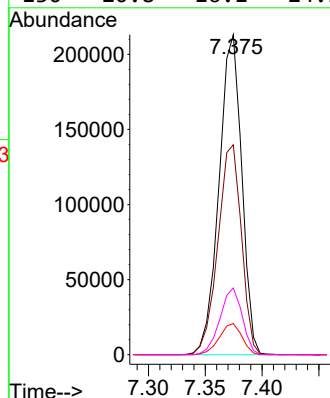
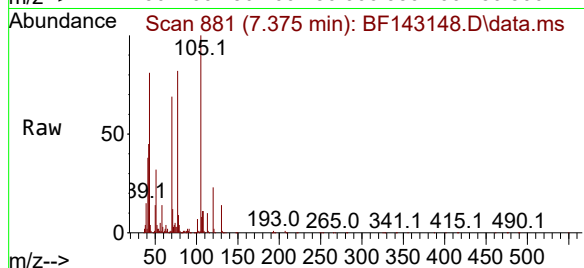
Ion Ratio Lower Upper

70 100

42 65.6 52.5 78.7

101 9.8 7.6 11.4

130 20.8 16.1 24.1



#20

3+4-Methylphenols

Concen: 42.387 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion: 107 Resp: 412065

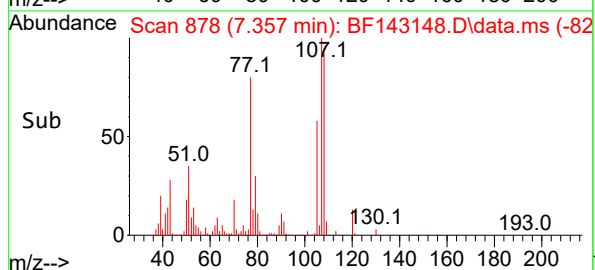
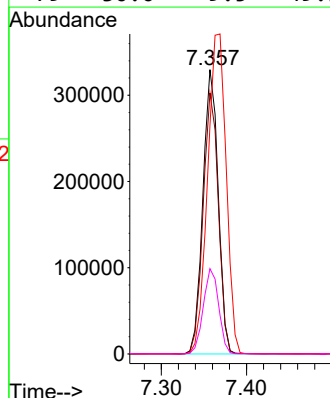
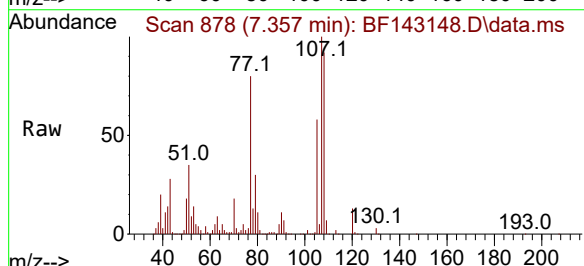
Ion Ratio Lower Upper

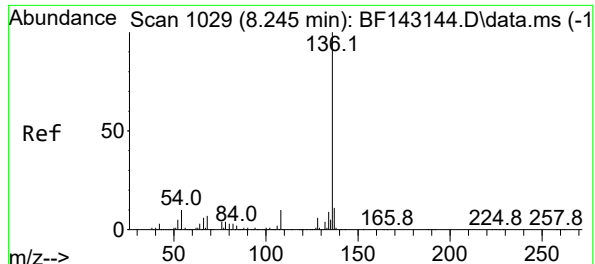
107 100

108 91.8 70.0 110.0

77 80.5 57.8 97.8

79 30.0 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

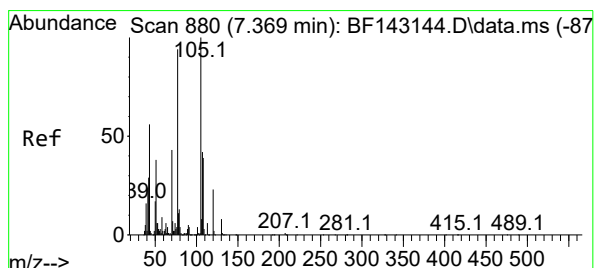
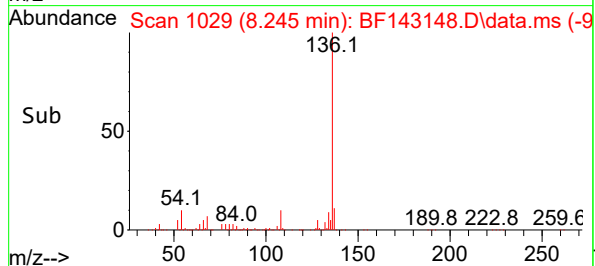
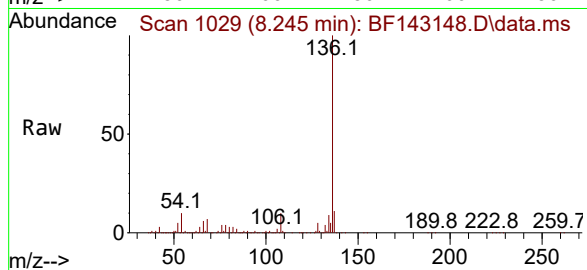
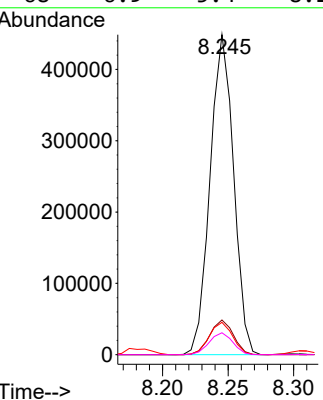
BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:136 Resp: 559677

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.9	5.4	8.2



#22

Acetophenone

Concen: 40.260 ng

RT: 7.369 min Scan# 880

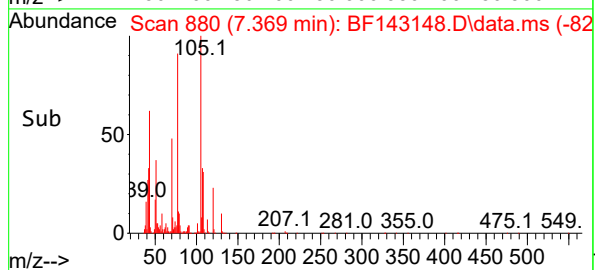
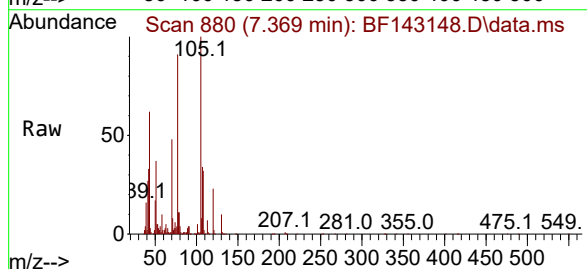
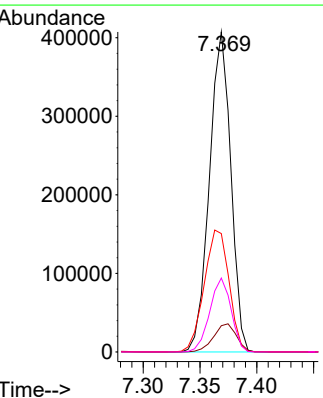
Delta R.T. -0.000 min

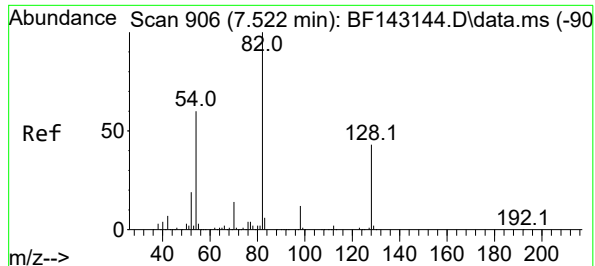
Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:105 Resp: 533464

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.6
51	37.0	30.2	45.2
120	23.1	18.2	27.4





#23

Nitrobenzene-d5

Concen: 72.247 ng

RT: 7.522 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

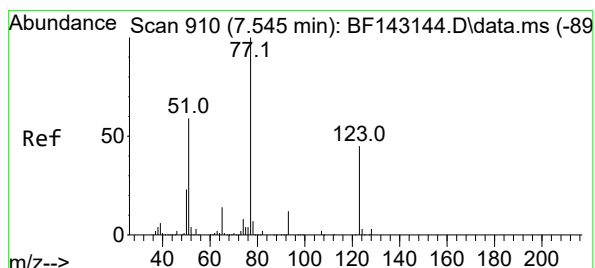
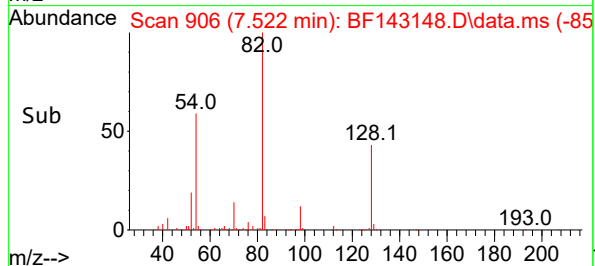
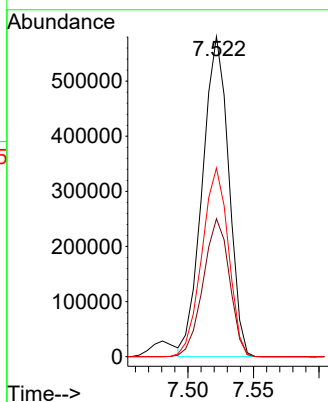
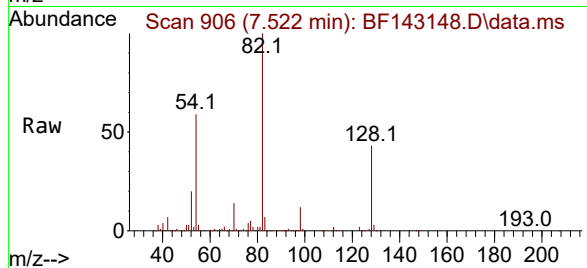
Tgt Ion: 82 Resp: 811178

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 41.731 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

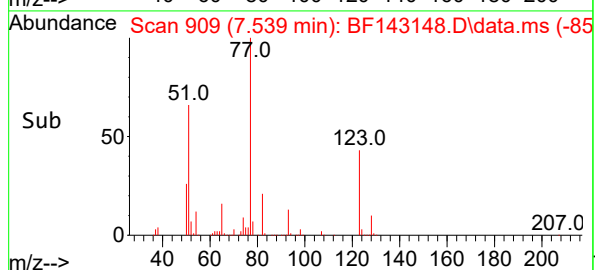
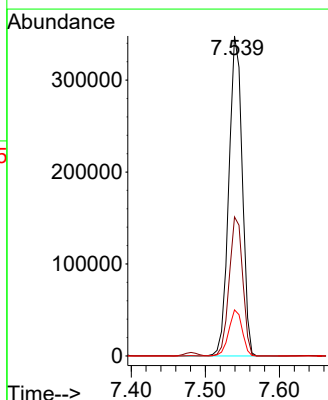
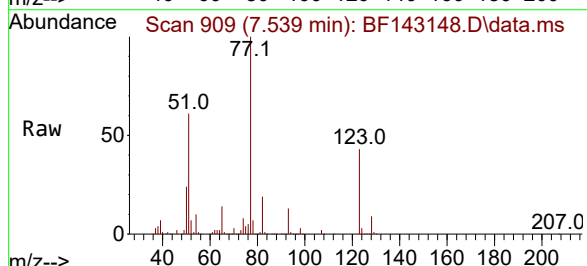
Tgt Ion: 77 Resp: 436834

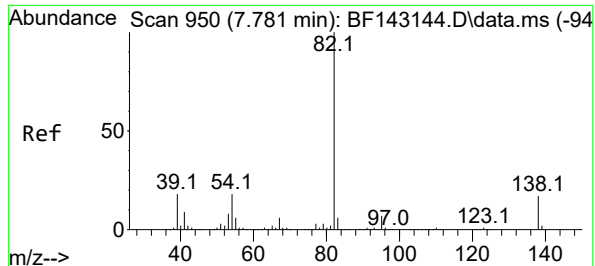
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

65 14.4 11.4 17.2





#25

Isophorone

Concen: 40.567 ng

RT: 7.781 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

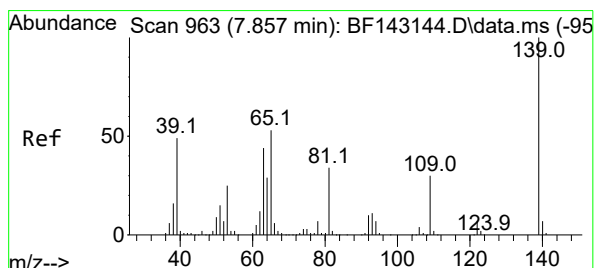
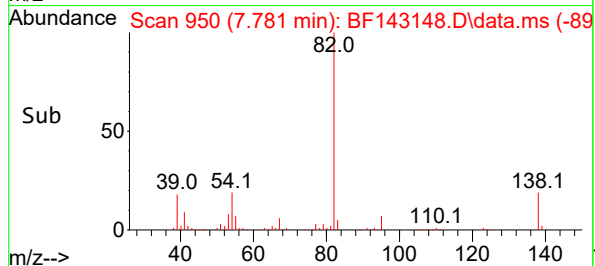
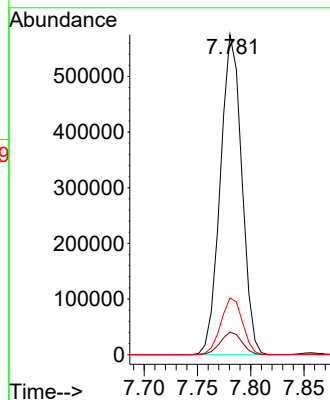
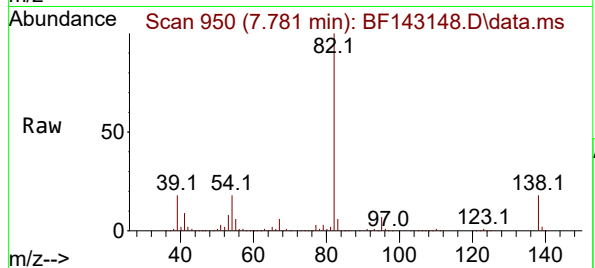
Tgt Ion: 82 Resp: 804071

Ion Ratio Lower Upper

82 100

95 7.1 5.5 8.3

138 17.8 13.8 20.8



#26

2-Nitrophenol

Concen: 44.896 ng

RT: 7.857 min Scan# 963

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

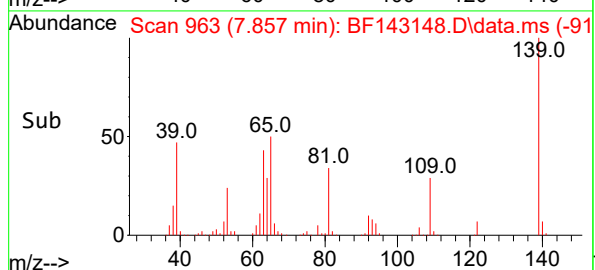
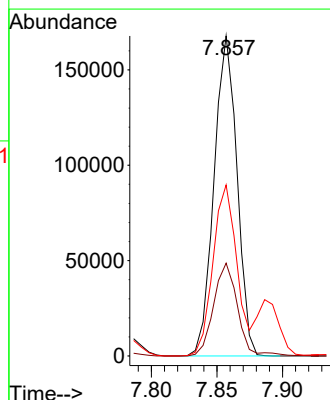
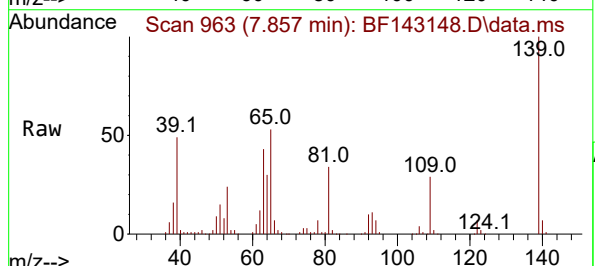
Tgt Ion:139 Resp: 203967

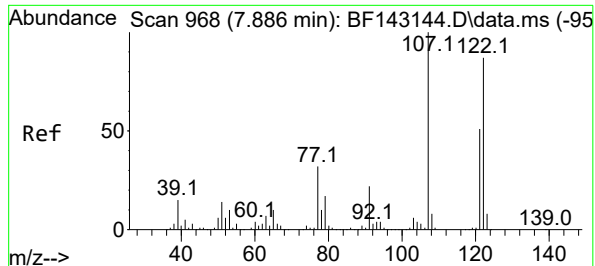
Ion Ratio Lower Upper

139 100

109 29.0 23.6 35.4

65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.773 ng

RT: 7.886 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

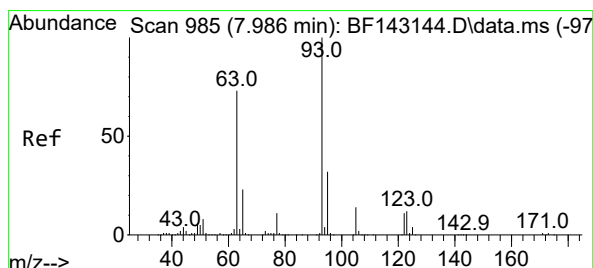
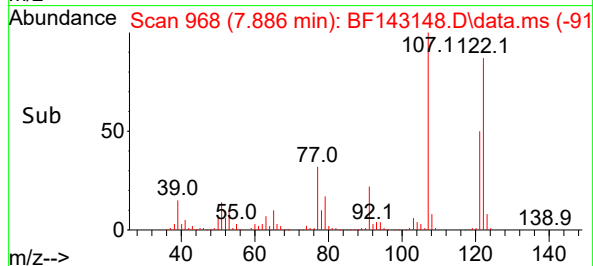
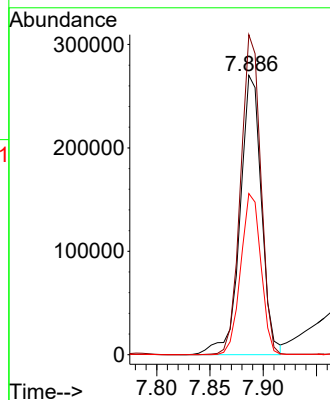
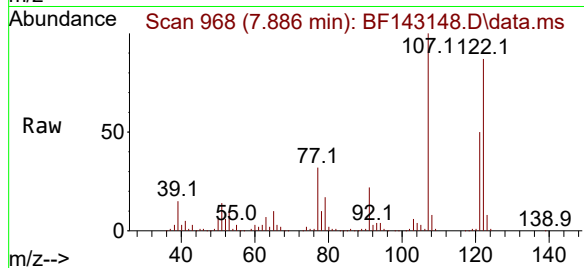
Tgt Ion:122 Resp: 377575

Ion Ratio Lower Upper

122 100

107 114.6 91.8 137.6

121 57.7 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 39.939 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

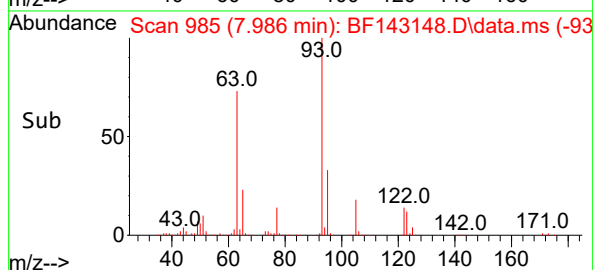
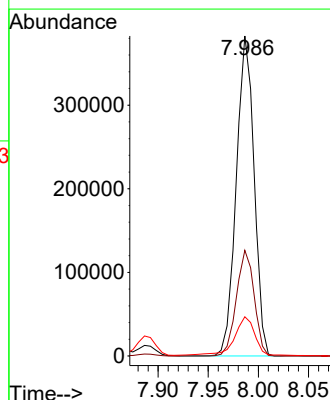
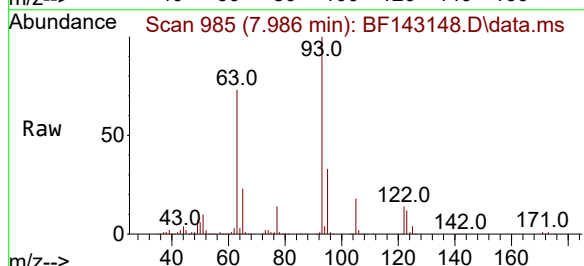
Tgt Ion: 93 Resp: 474637

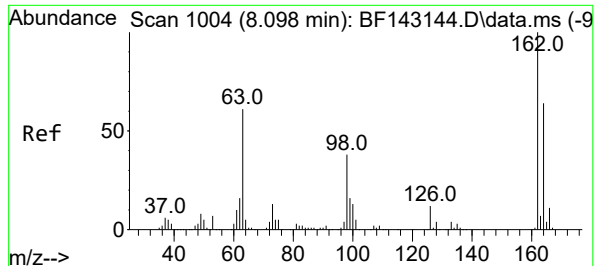
Ion Ratio Lower Upper

93 100

95 33.0 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 40.875 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

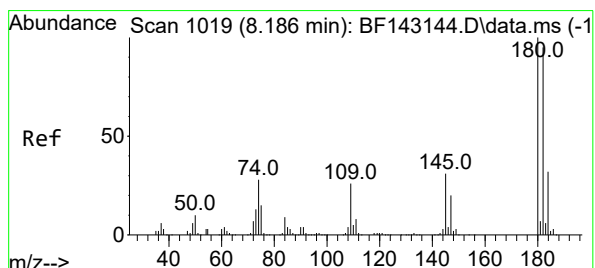
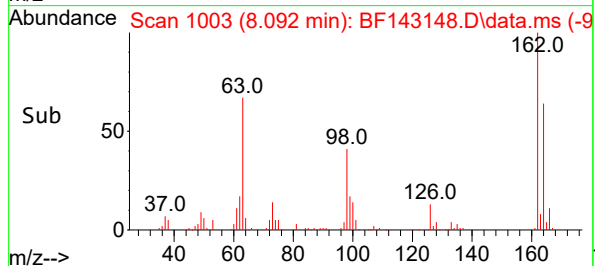
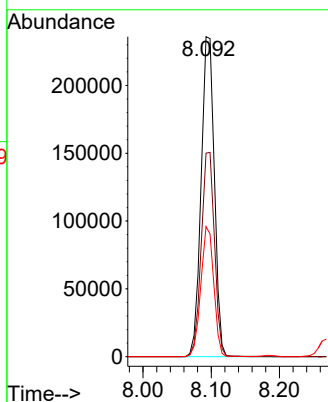
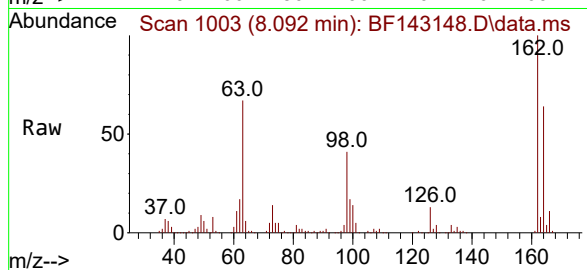
Tgt Ion:162 Resp: 319216

Ion Ratio Lower Upper

162 100

164 63.6 44.2 84.2

98 40.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 40.551 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

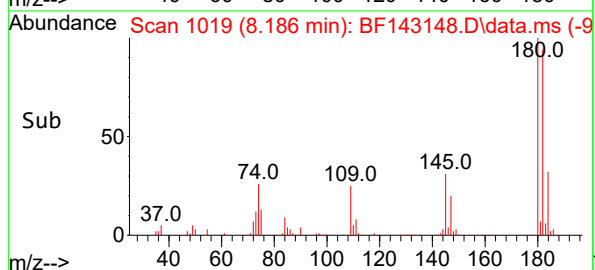
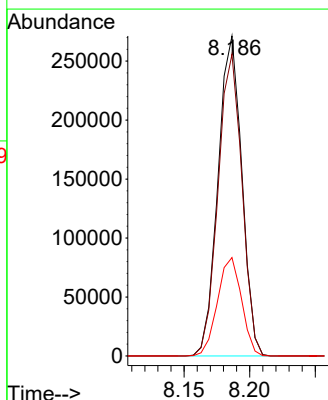
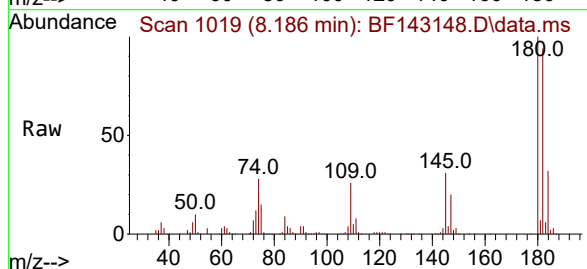
Tgt Ion:180 Resp: 342135

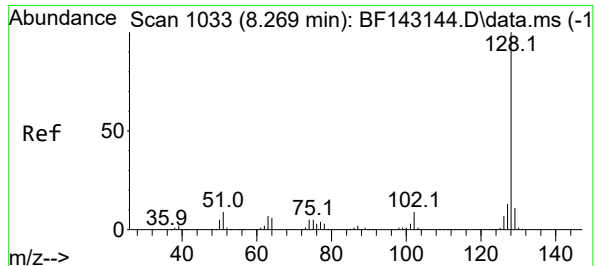
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 30.8 25.0 37.6





#31

Naphthalene

Concen: 40.143 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

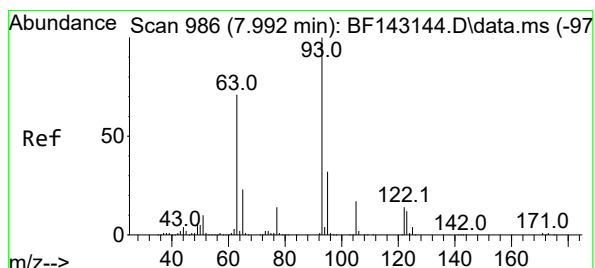
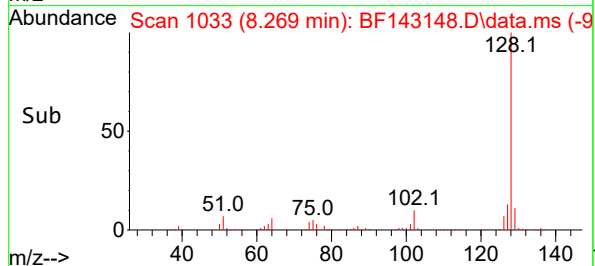
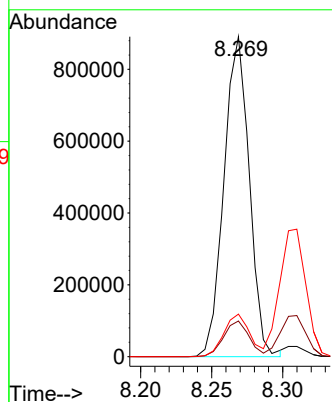
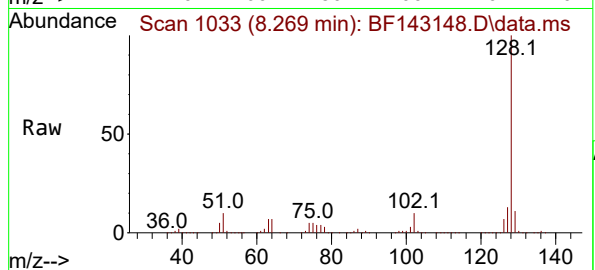
Tgt Ion:128 Resp: 1106482

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 39.782 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

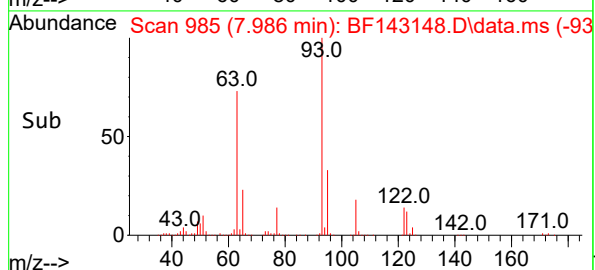
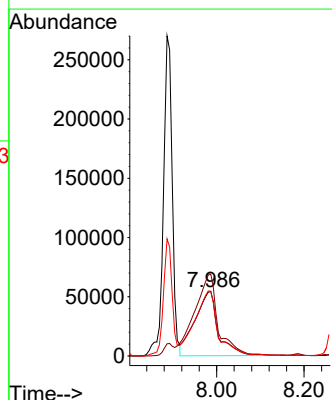
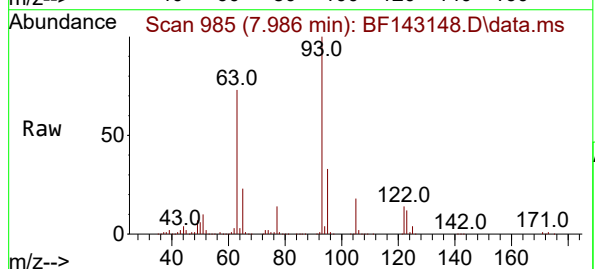
Tgt Ion:122 Resp: 202337

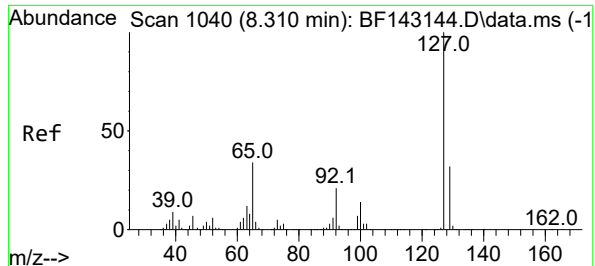
Ion Ratio Lower Upper

122 100

105 127.2 104.8 144.8

77 100.3 77.6 117.6

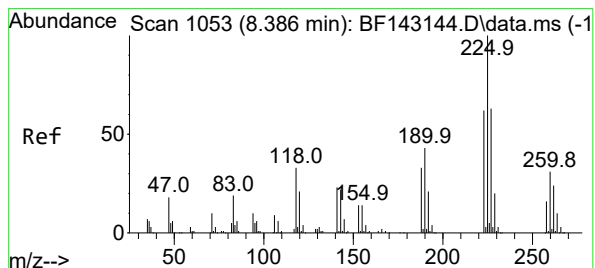
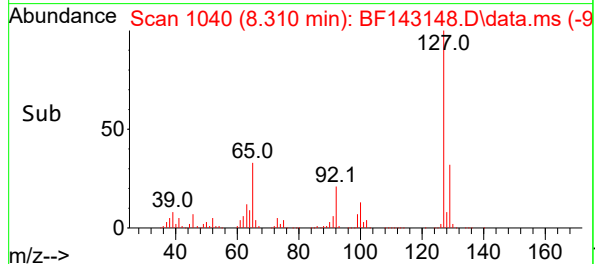
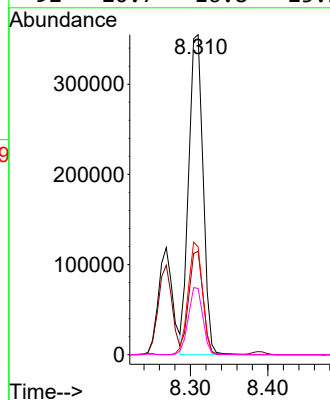
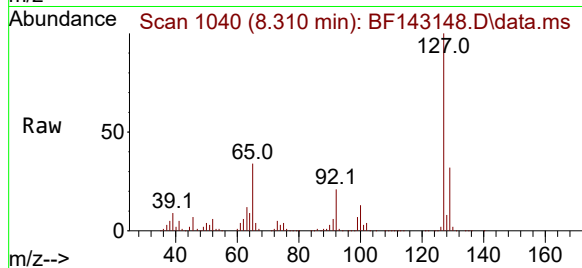




#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

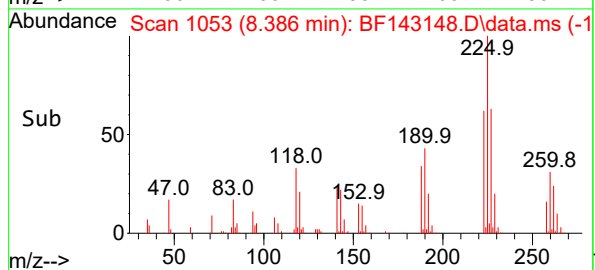
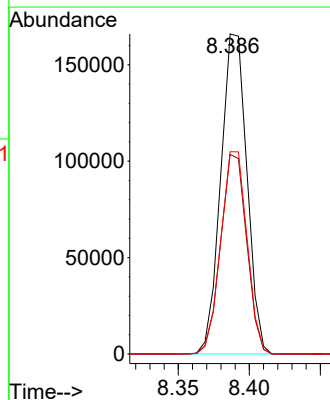
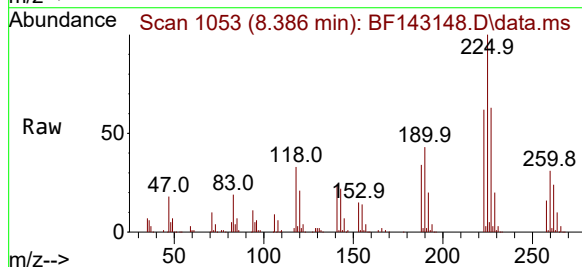
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

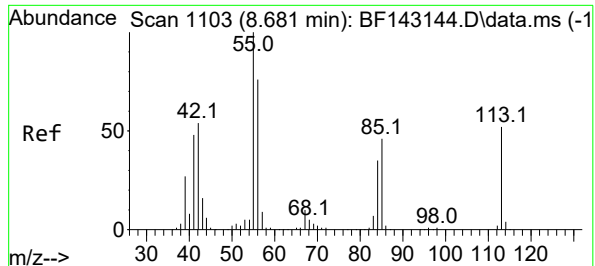
Tgt Ion:	127	Resp:	457742
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2



#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:	225	Resp:	212781
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	63.2	50.2	75.4

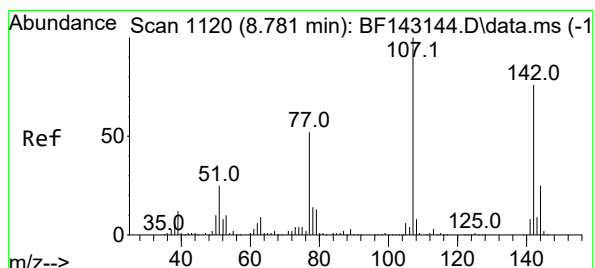
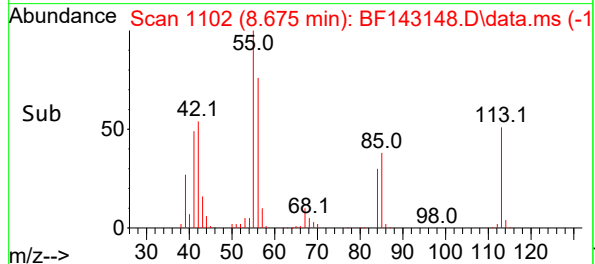
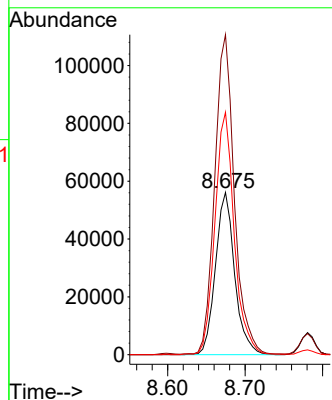
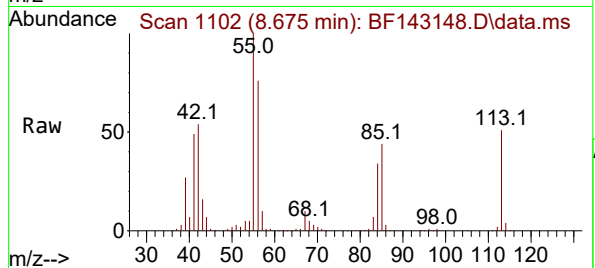




#35
Caprolactam
Concen: 40.959 ng
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

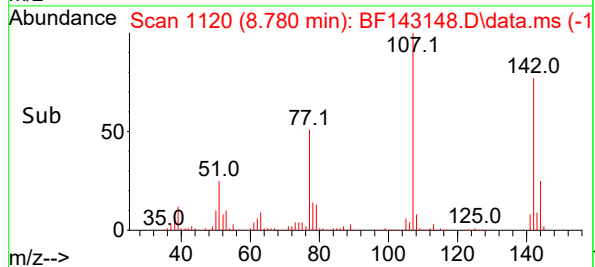
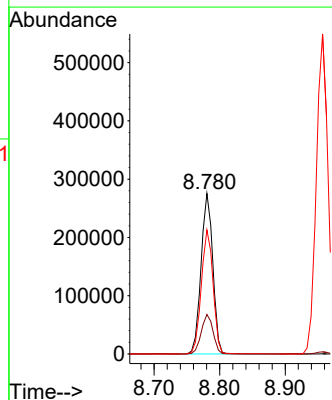
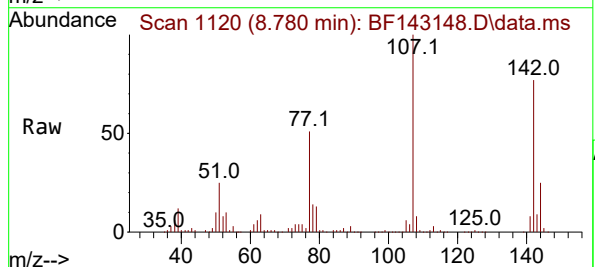
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

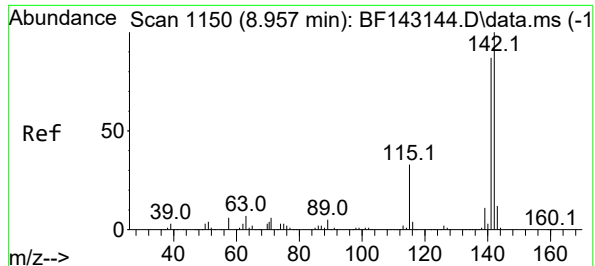
Tgt Ion	Ratio	Lower	Upper
113	100		
55	197.3	174.0	214.0
56	149.4	126.6	166.6



#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	77.3	60.6	90.8

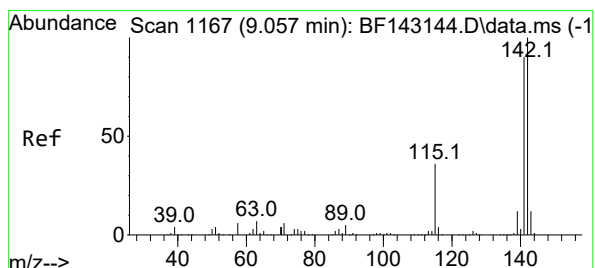
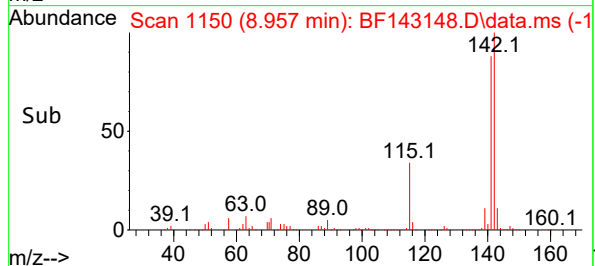
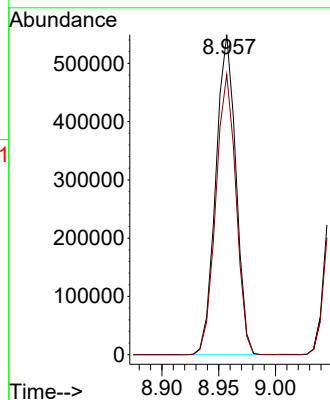
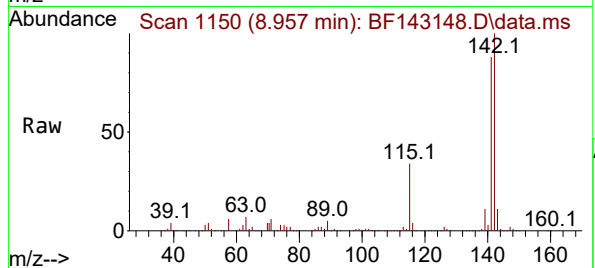




#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

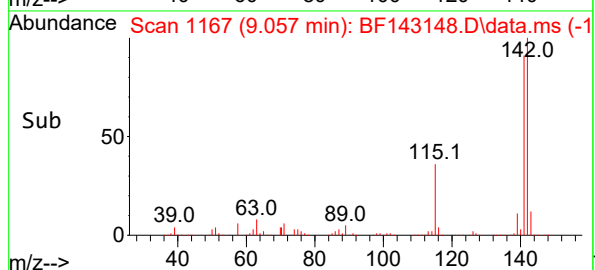
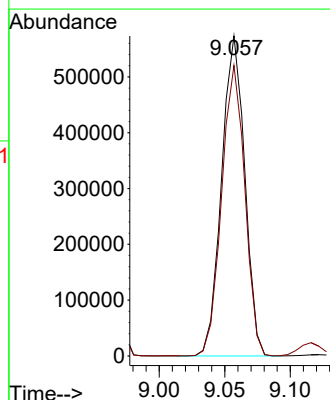
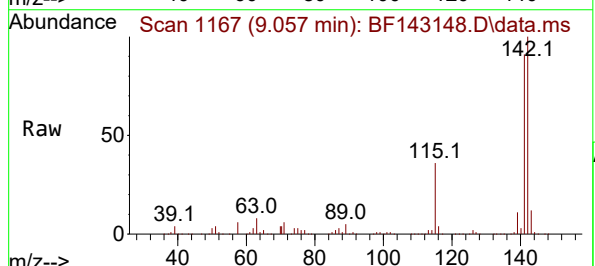
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

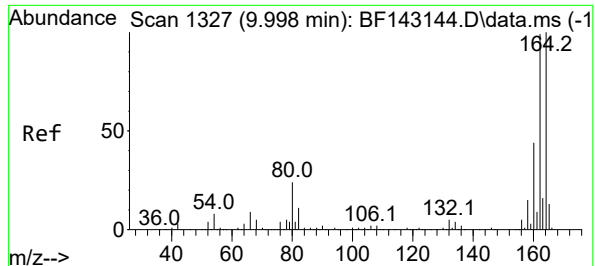
Tgt Ion:142 Resp: 675594
Ion Ratio Lower Upper
142 100
141 87.6 69.9 104.9



#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

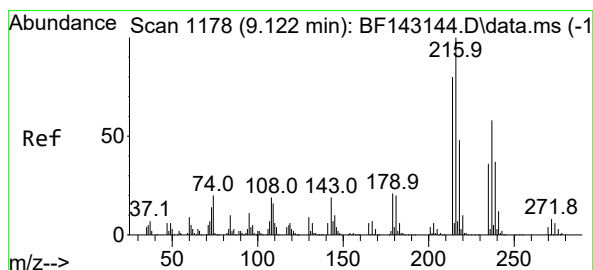
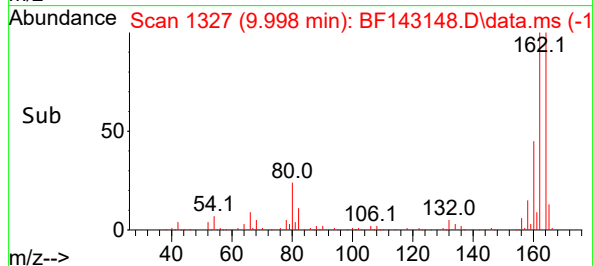
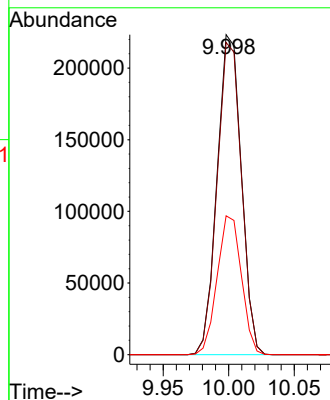
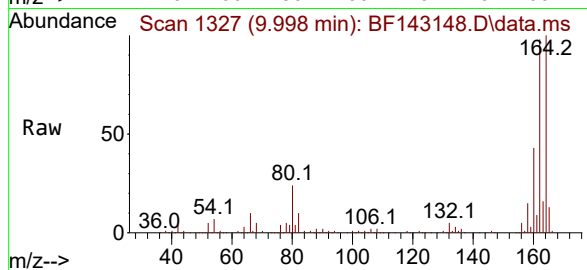
Tgt Ion:164 Resp: 287255

Ion Ratio Lower Upper

164 100

162 97.5 79.0 118.6

160 43.4 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.944 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:216 Resp: 339567

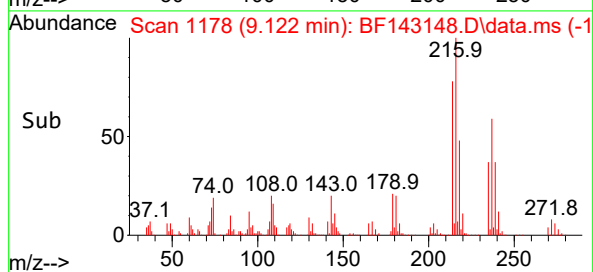
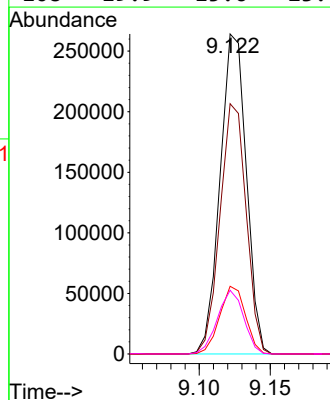
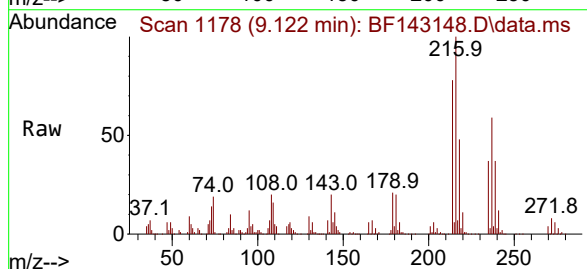
Ion Ratio Lower Upper

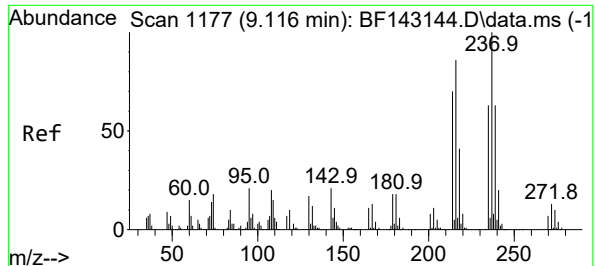
216 100

214 77.8 63.8 95.8

179 20.8 16.4 24.6

108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 42.872 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

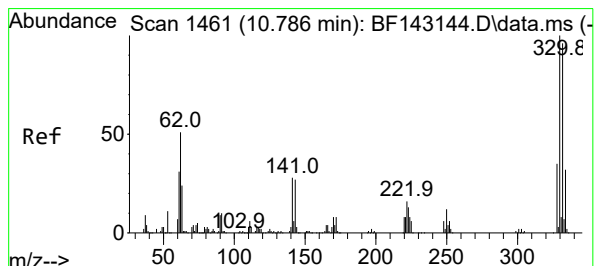
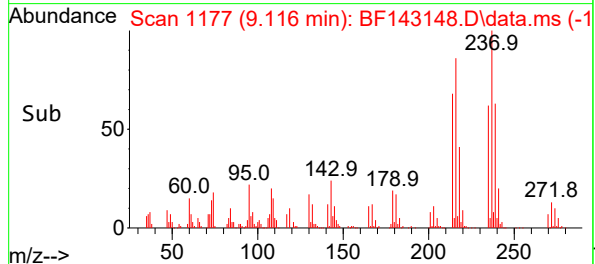
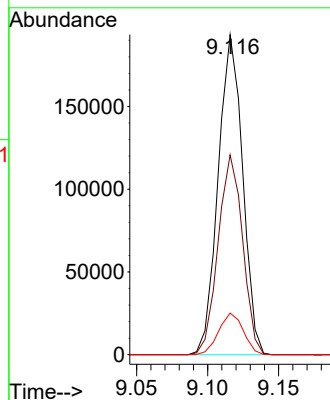
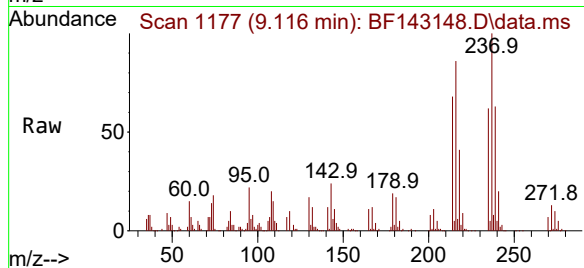
Tgt Ion:237 Resp: 231349

Ion Ratio Lower Upper

237 100

235 62.5 43.0 83.0

272 13.0 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 79.969 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

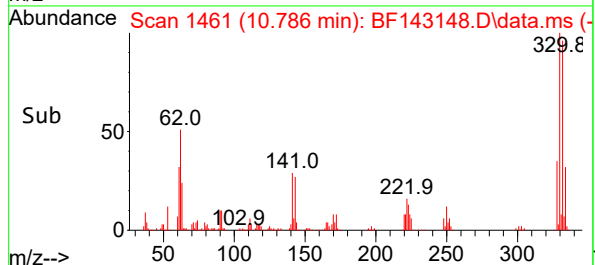
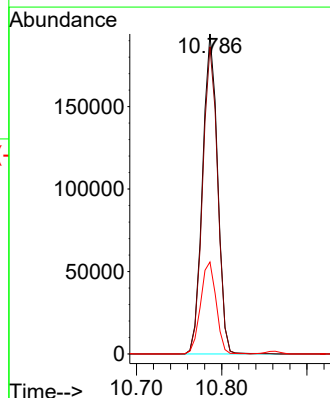
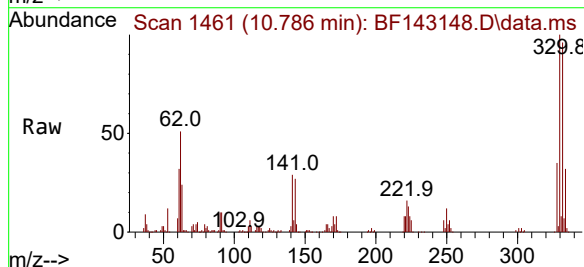
Tgt Ion:330 Resp: 237309

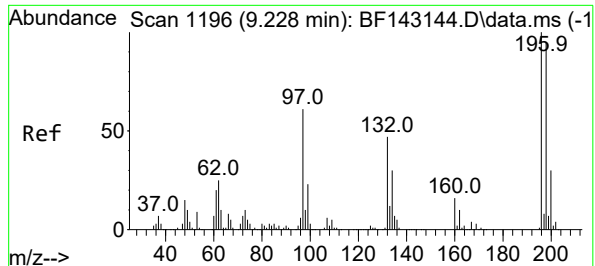
Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 29.8 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 40.253 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143148.D

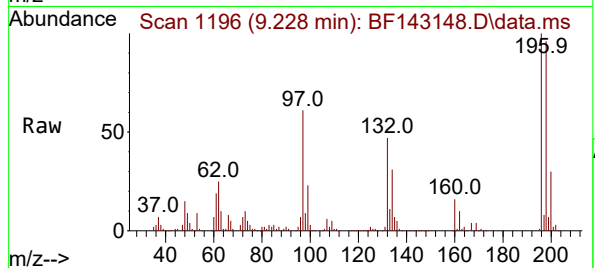
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



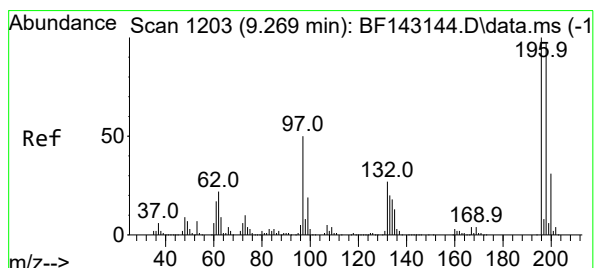
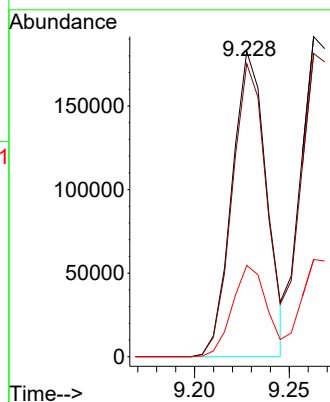
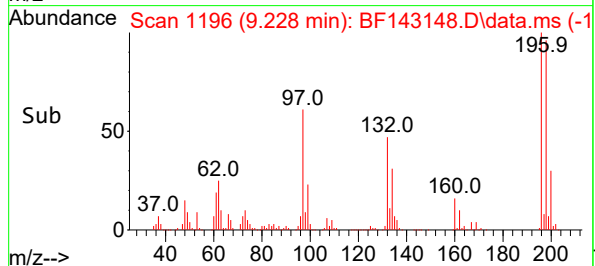
Tgt Ion:196 Resp: 231043

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

200 29.9 23.9 35.9



#44

2,4,5-Trichlorophenol

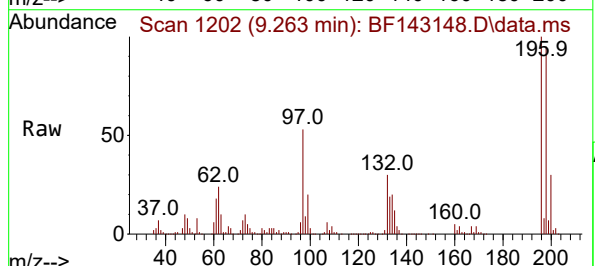
Concen: 42.989 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06



Tgt Ion:196 Resp: 246820

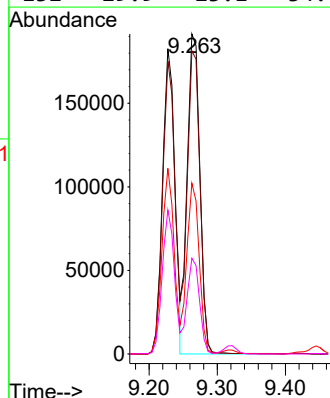
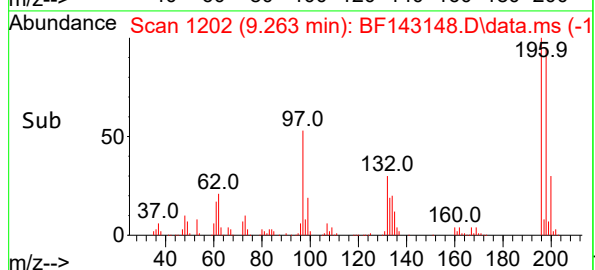
Ion Ratio Lower Upper

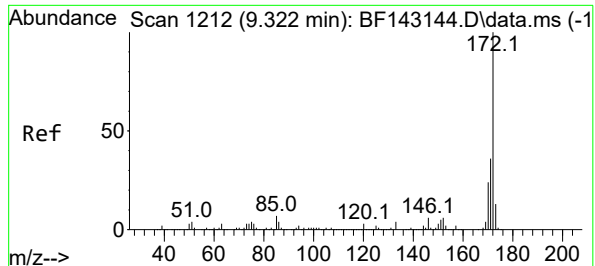
196 100

198 94.8 77.3 115.9

97 53.3 40.3 60.5

132 29.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 68.992 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

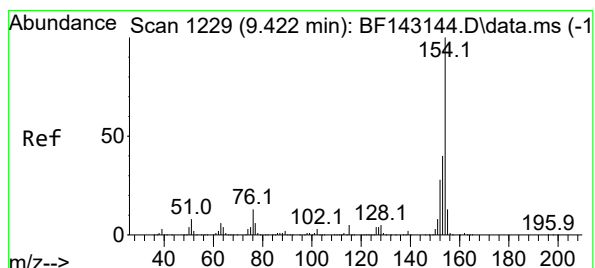
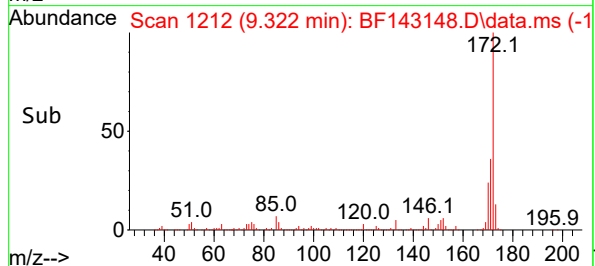
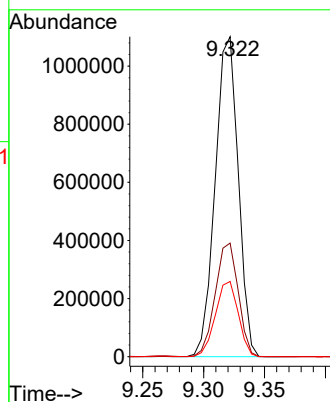
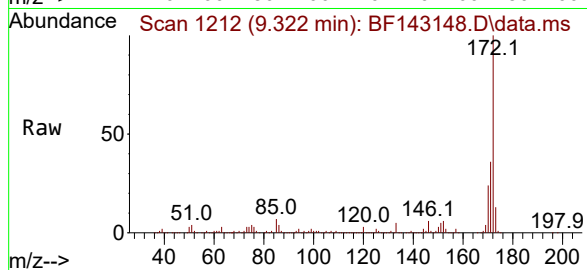
Tgt Ion:172 Resp: 1449098

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 41.053 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

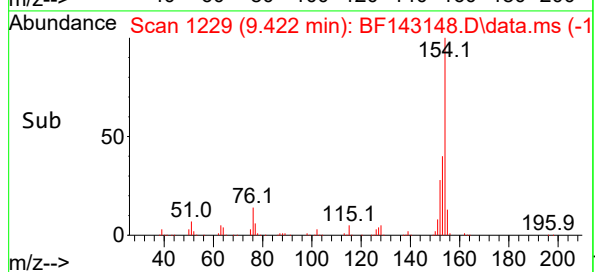
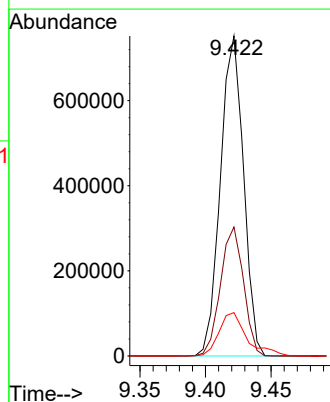
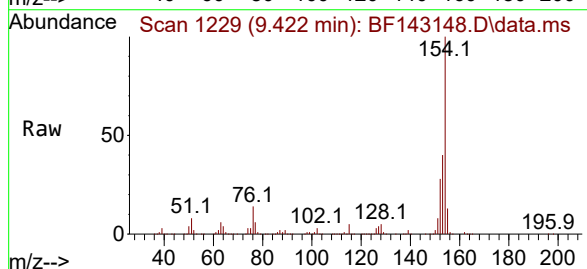
Tgt Ion:154 Resp: 920059

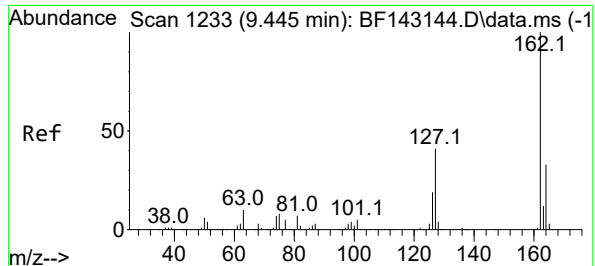
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 40.184 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

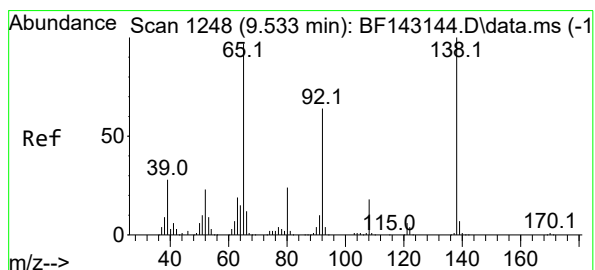
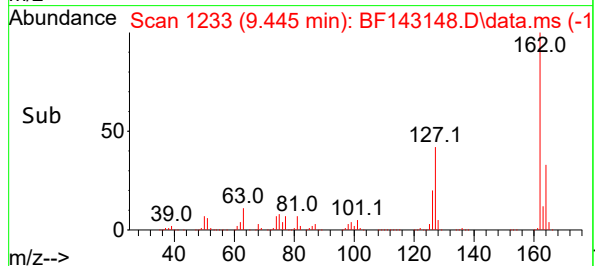
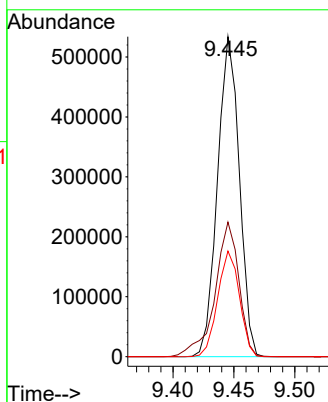
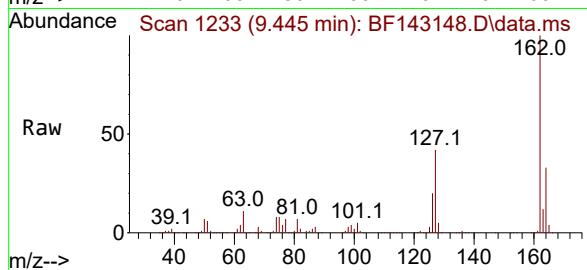
Tgt Ion:162 Resp: 666359

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

164 33.0 26.2 39.2



#48

2-Nitroaniline

Concen: 43.723 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

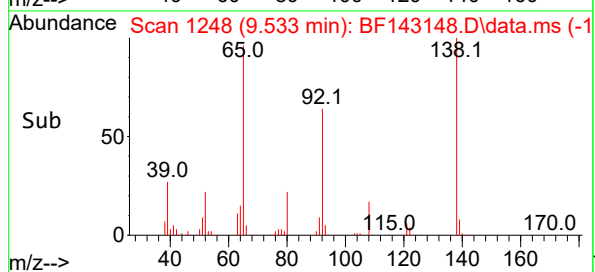
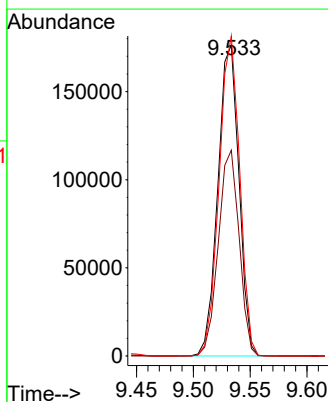
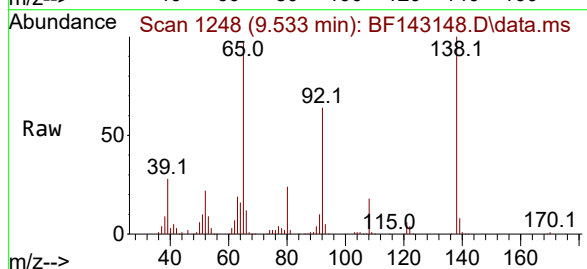
Tgt Ion: 65 Resp: 227376

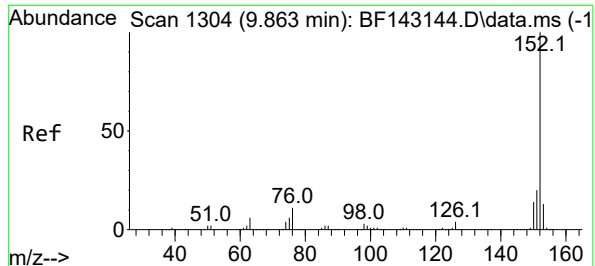
Ion Ratio Lower Upper

65 100

92 66.2 52.4 78.6

138 102.9 82.3 123.5





#49

Acenaphthylene

Concen: 40.013 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

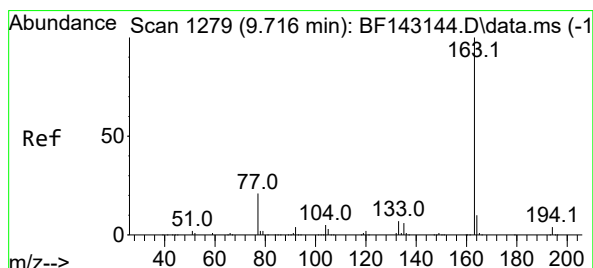
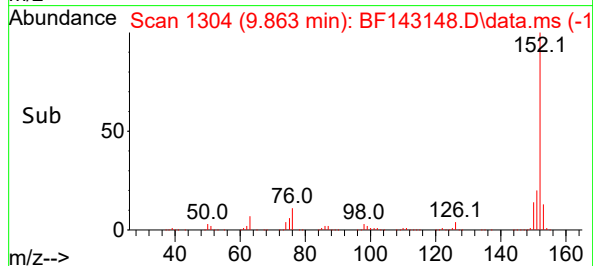
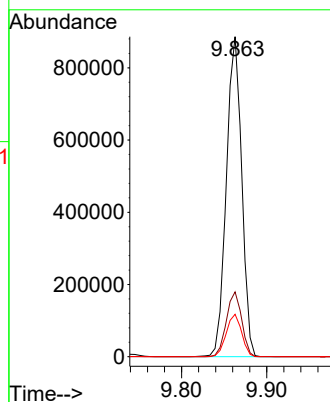
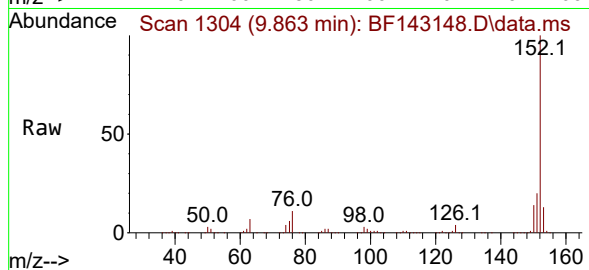
Tgt Ion:152 Resp: 1111992

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 40.218 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

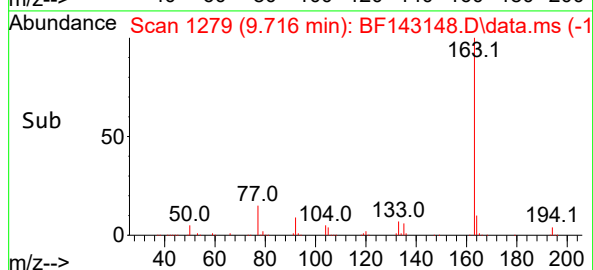
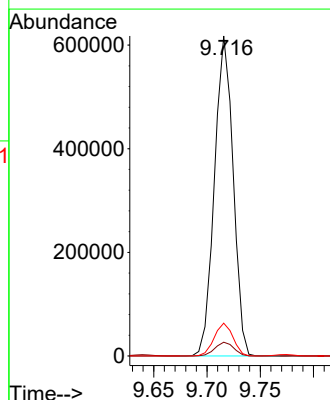
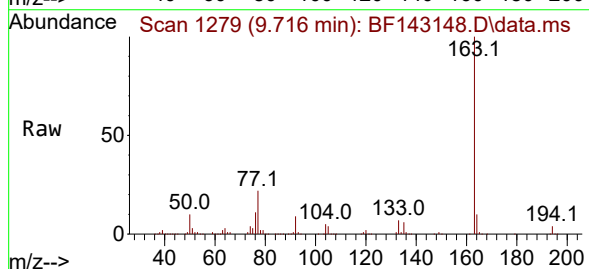
Tgt Ion:163 Resp: 753041

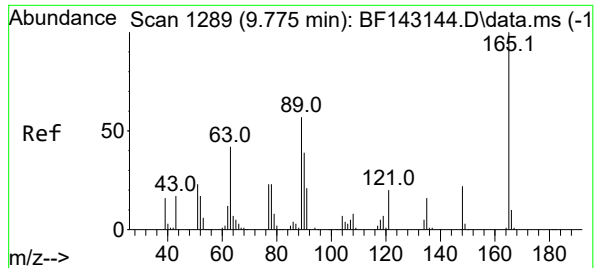
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.2 8.3 12.5

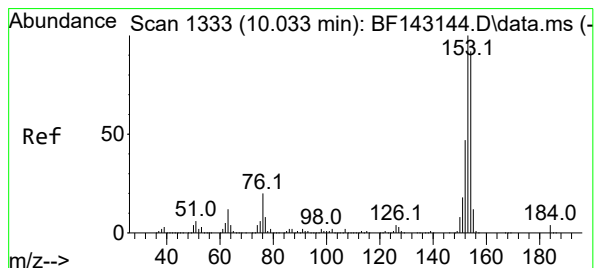
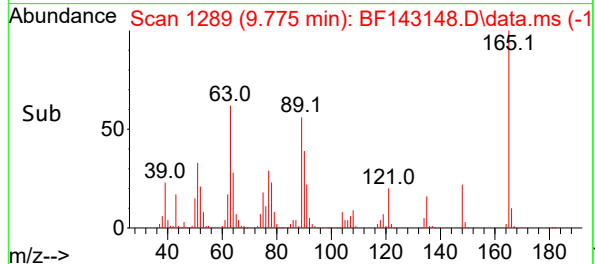
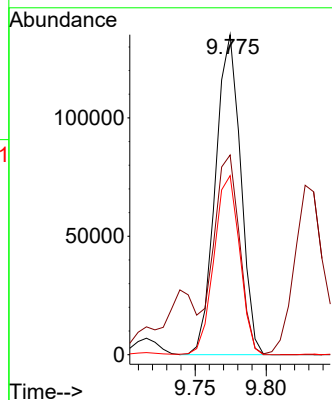
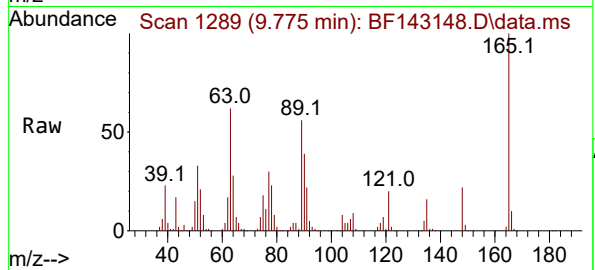




#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

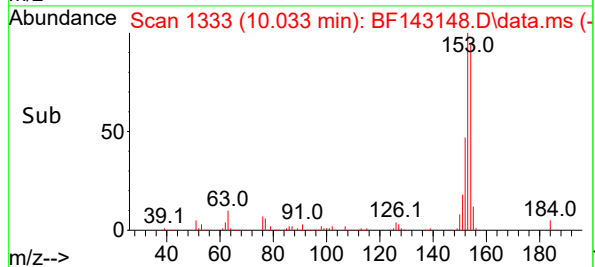
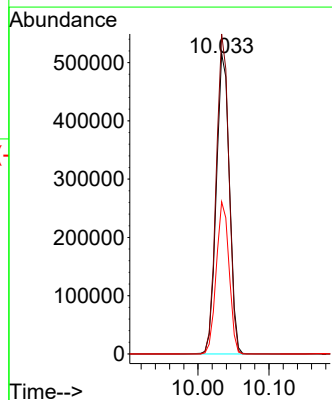
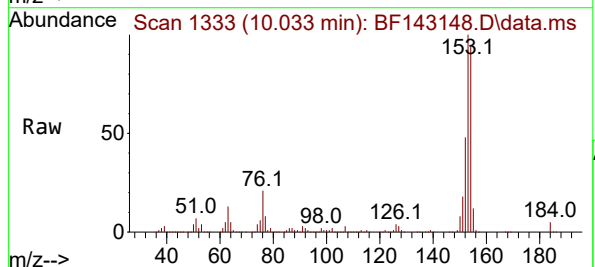
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

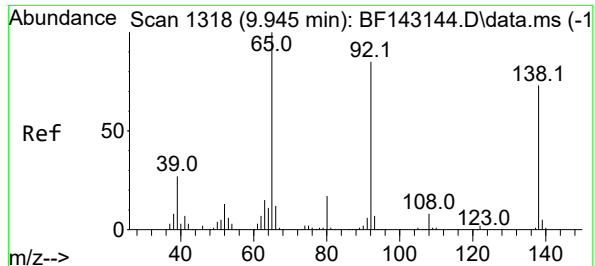
Tgt Ion:165 Resp: 166911
Ion Ratio Lower Upper
165 100
63 62.4 49.4 74.2
89 56.0 46.2 69.2



#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 659908
Ion Ratio Lower Upper
154 100
153 106.6 86.6 129.8
152 50.7 40.4 60.6

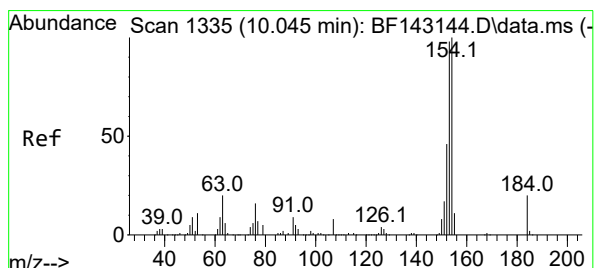
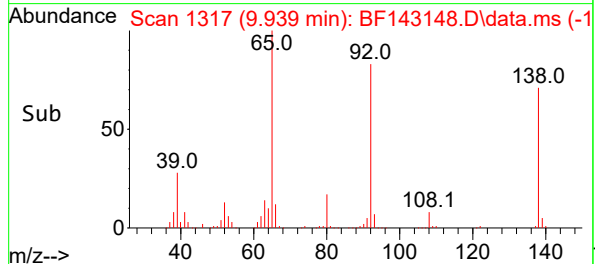
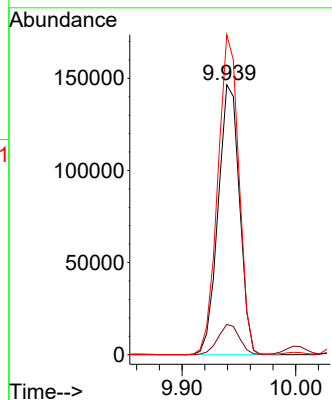
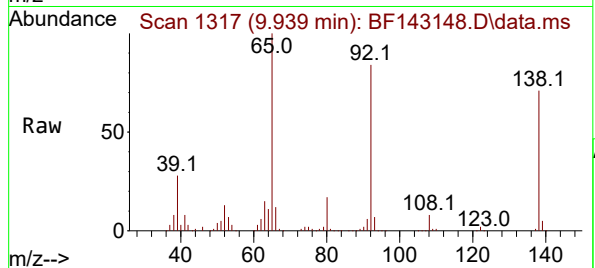




#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

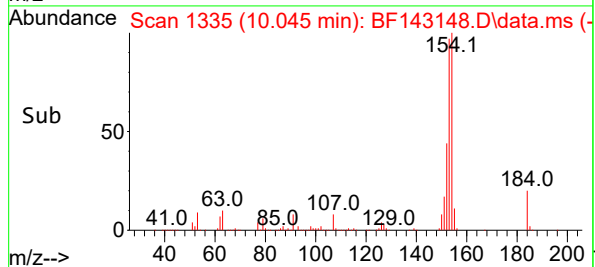
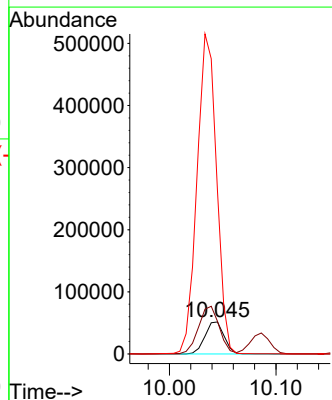
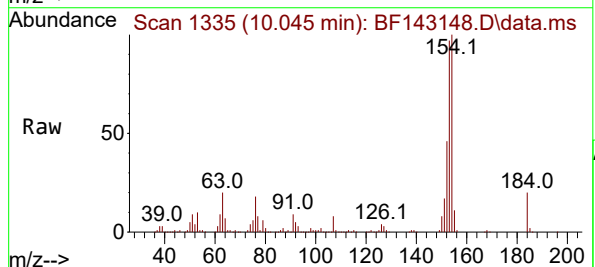
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

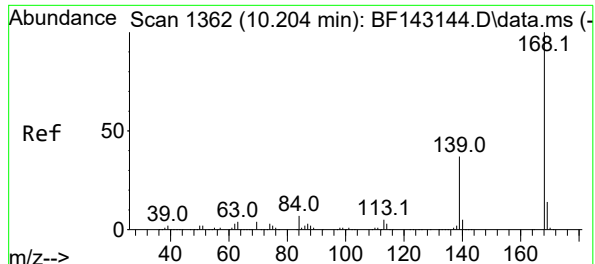
Tgt Ion:138 Resp: 191512
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.6
92 118.6 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:184 Resp: 64659
Ion Ratio Lower Upper
184 100
63 102.3 81.8 122.6
154 509.4 412.2 618.4





#55

Dibenzofuran

Concen: 39.981 ng

RT: 10.204 min Scan# 1362

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

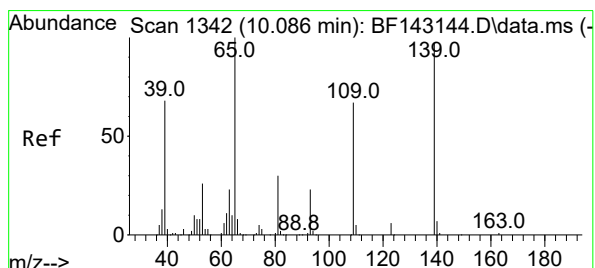
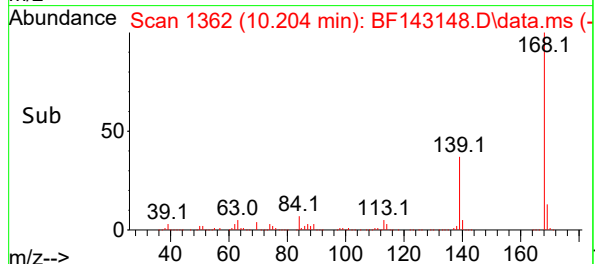
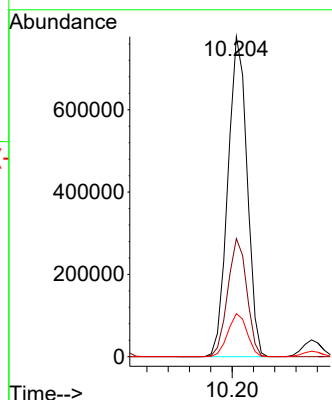
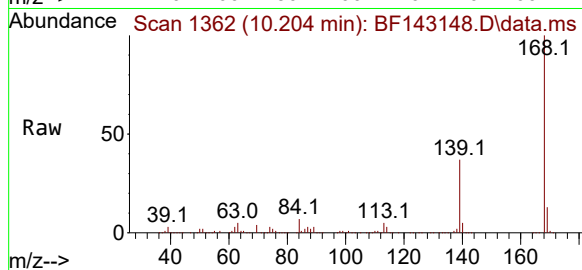
Tgt Ion:168 Resp: 974991

Ion Ratio Lower Upper

168 100

139 36.9 29.5 44.3

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 42.344 ng

RT: 10.086 min Scan# 1342

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

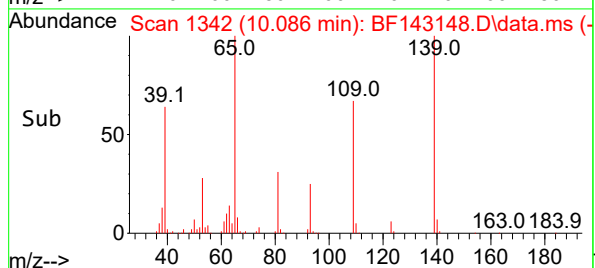
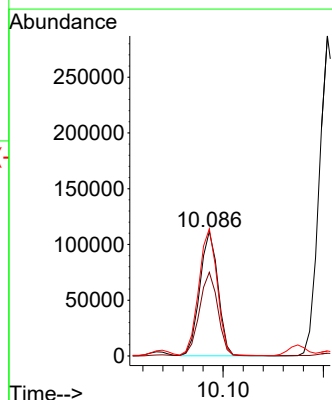
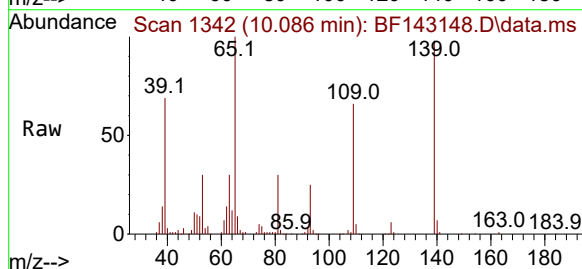
Tgt Ion:139 Resp: 140876

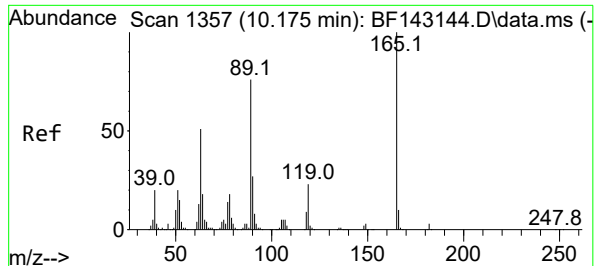
Ion Ratio Lower Upper

139 100

109 67.2 48.5 88.5

65 102.1 83.4 123.4

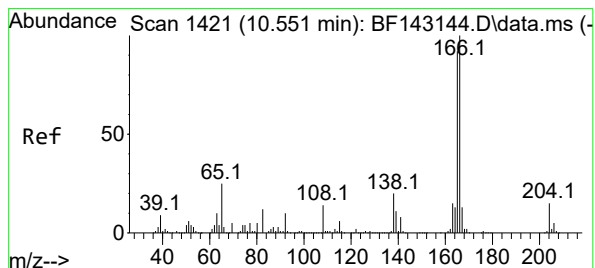
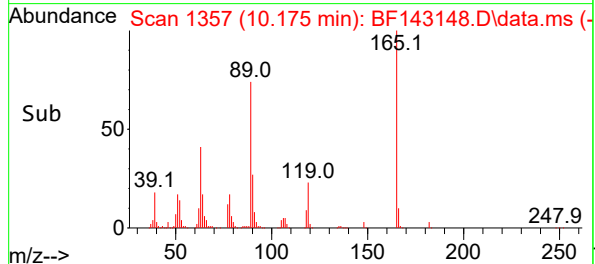
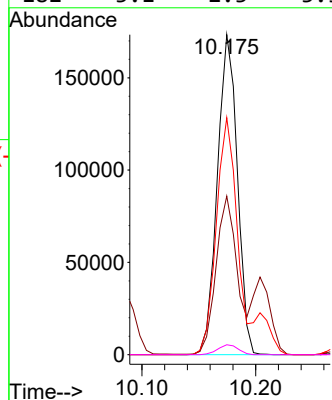
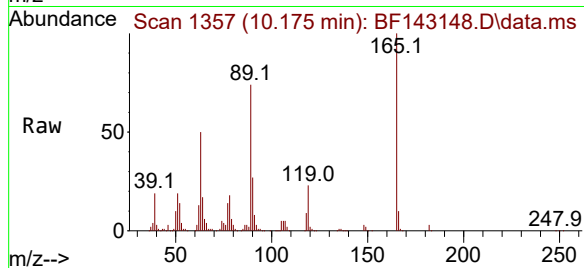




#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

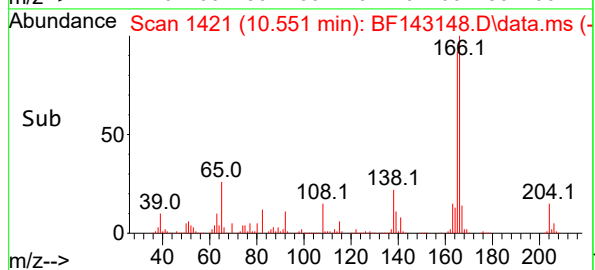
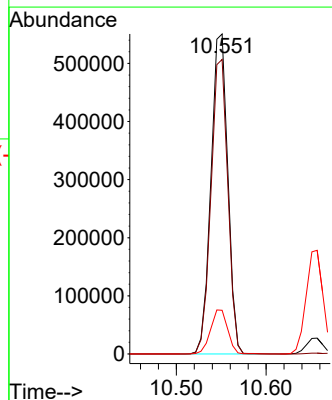
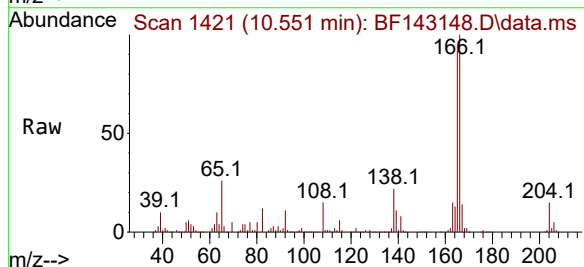
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

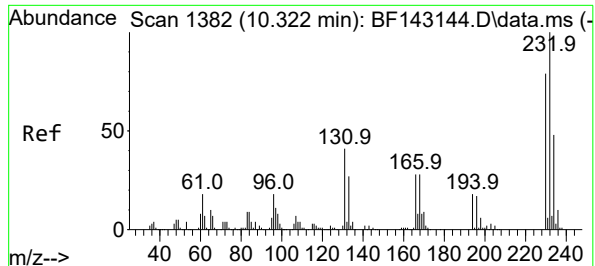
Tgt Ion:165 Resp: 212369
Ion Ratio Lower Upper
165 100
63 49.5 41.0 61.4
89 74.0 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:166 Resp: 717816
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.7 10.6 16.0

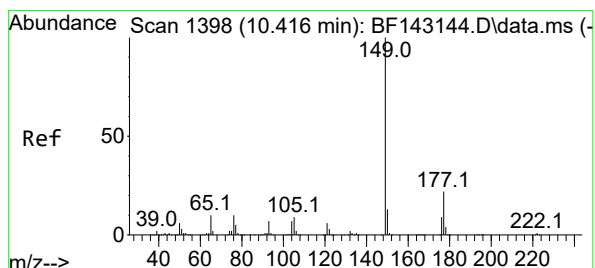
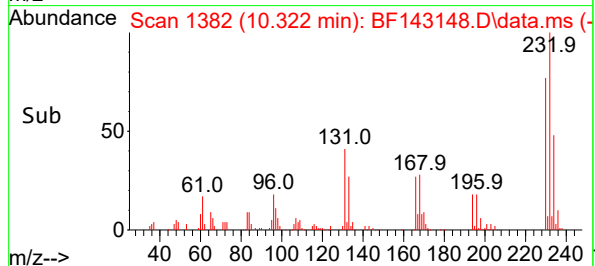
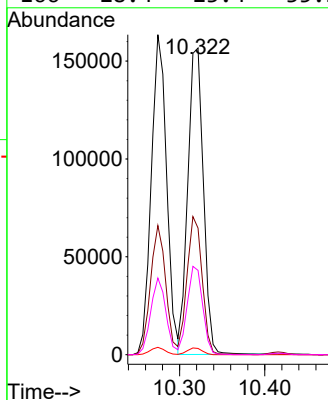
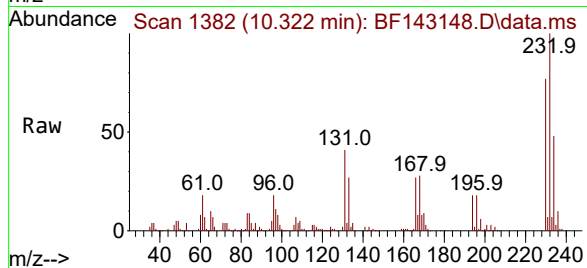




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

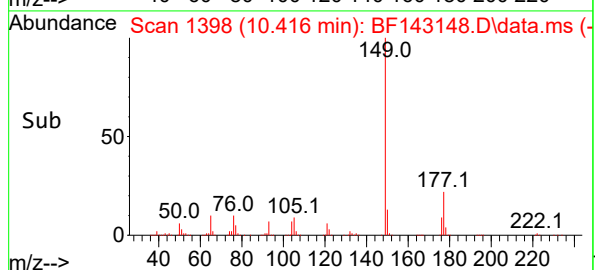
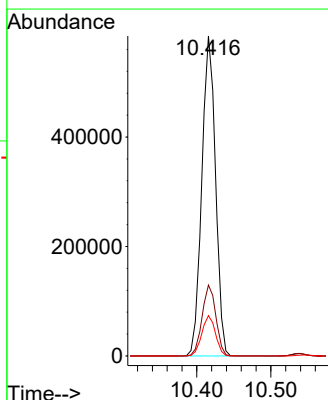
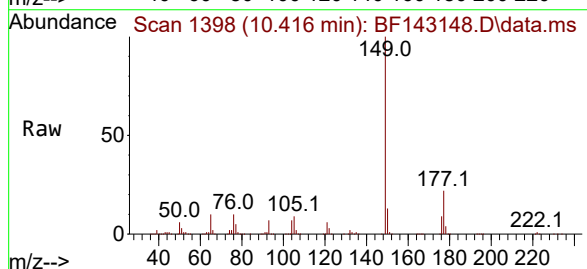
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

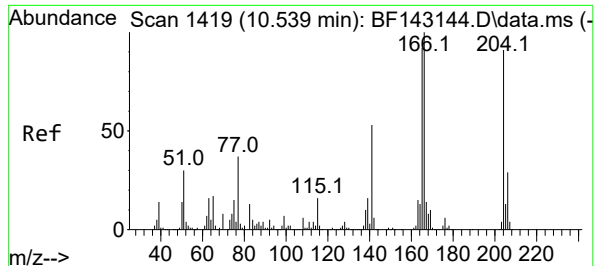
Tgt Ion:232 Resp: 198530
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.1 1.7 2.5
166 28.4 23.4 35.2



#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 753774
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2

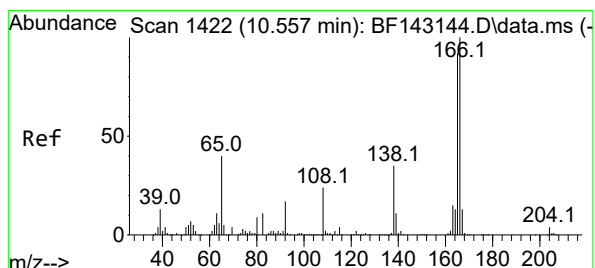
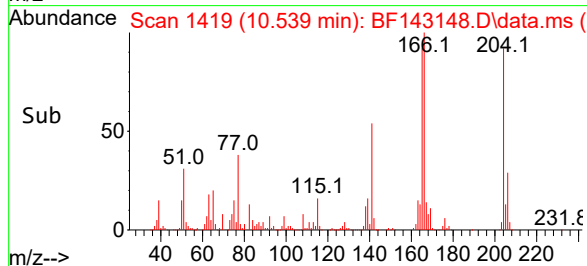
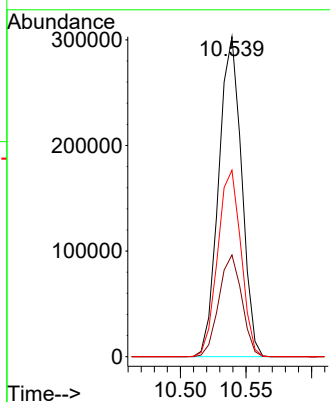
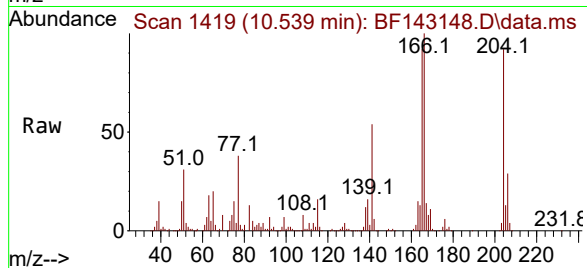




#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

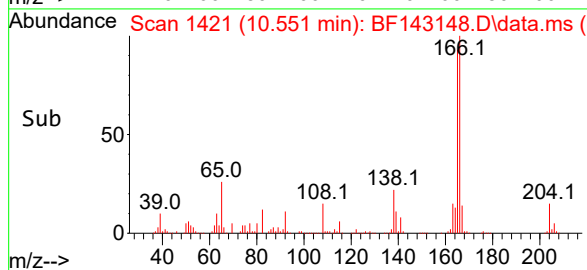
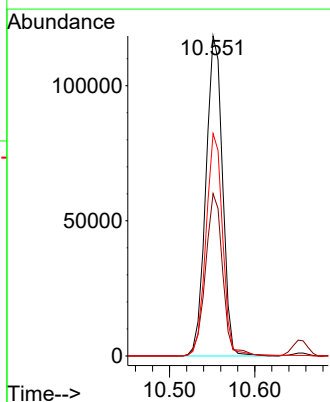
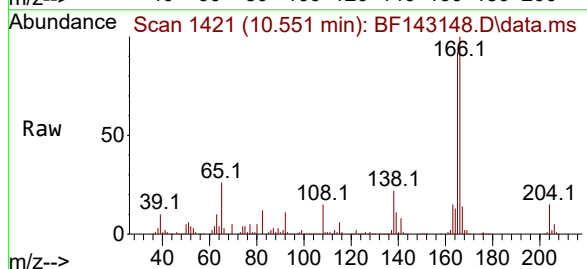
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

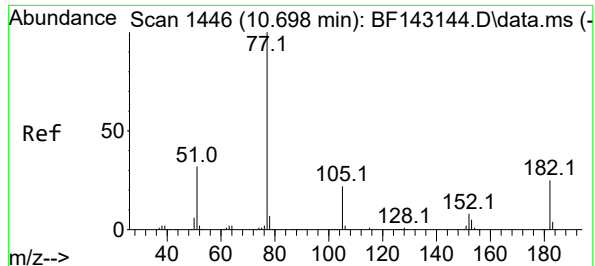
Tgt Ion:204 Resp: 367981
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 58.3 47.0 70.4



#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:138 Resp: 160193
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.5 48.3 88.3

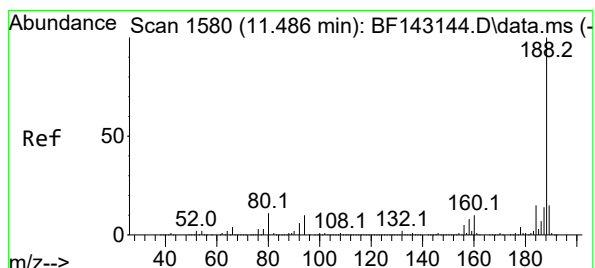
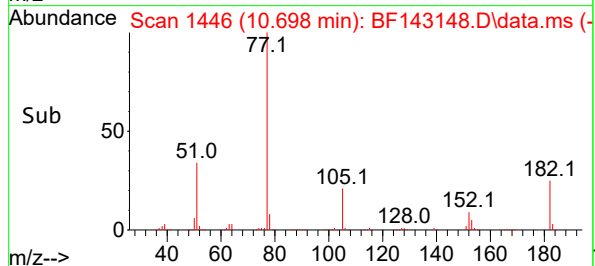
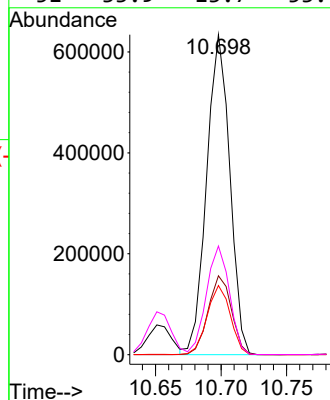
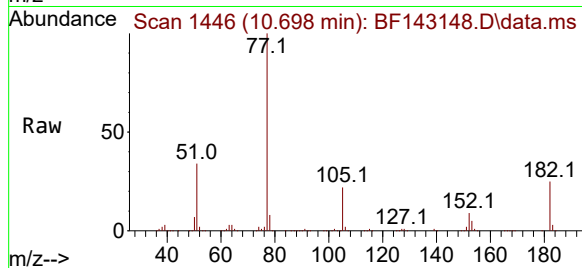




#63
Azobenzene
Concen: 40.414 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

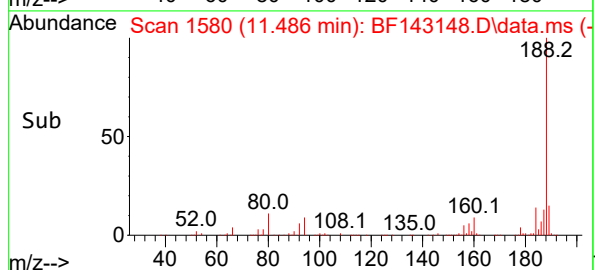
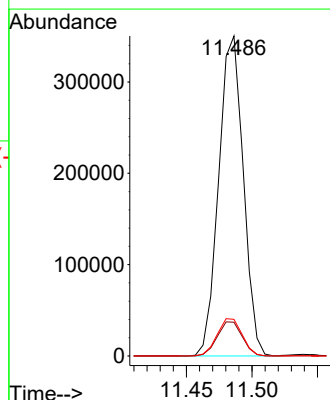
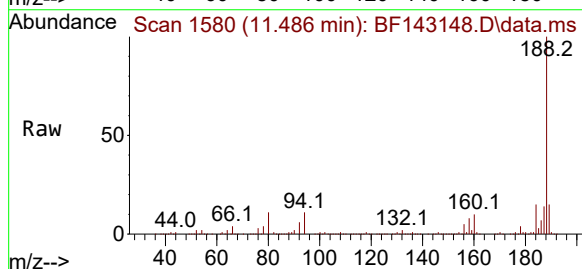
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

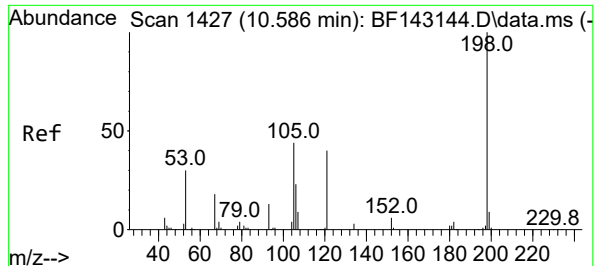
Tgt Ion: 77	Resp: 779524
Ion Ratio	Lower Upper
77 100	
182 24.6	4.6 44.6
105 21.6	1.4 41.4
51 33.9	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 188	Resp: 457098
Ion Ratio	Lower Upper
188 100	
94 10.5	8.3 12.5
80 11.4	9.0 13.6

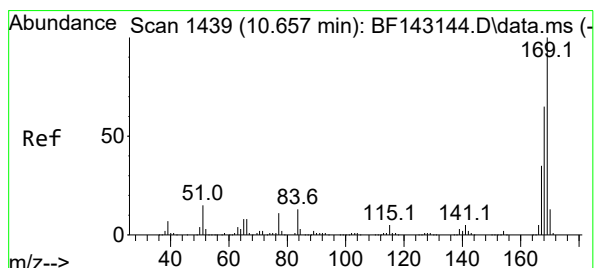
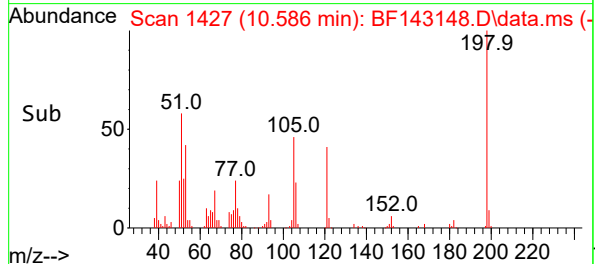
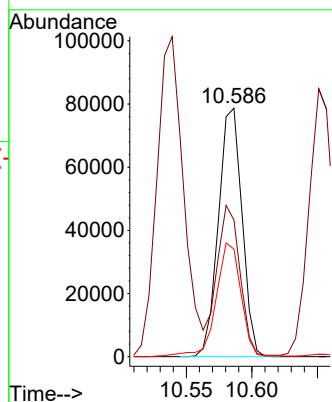
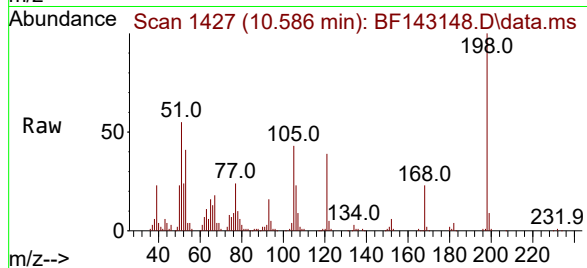




#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

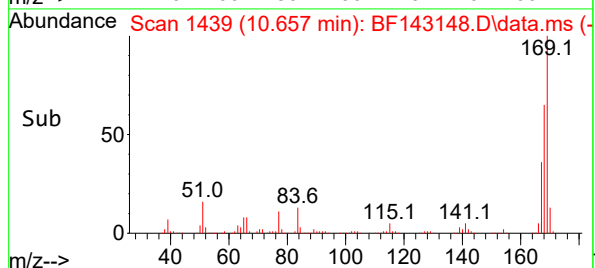
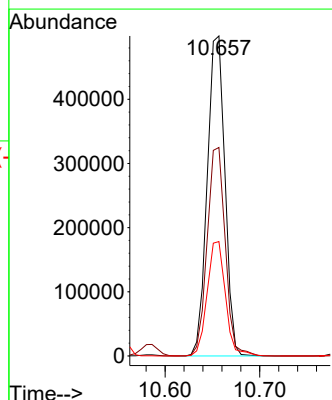
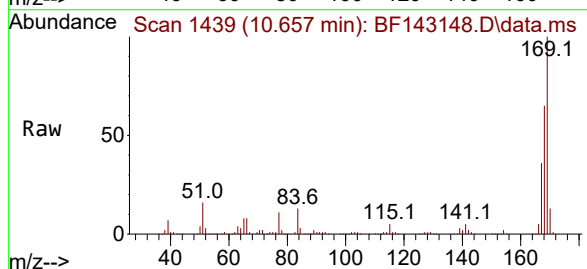
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

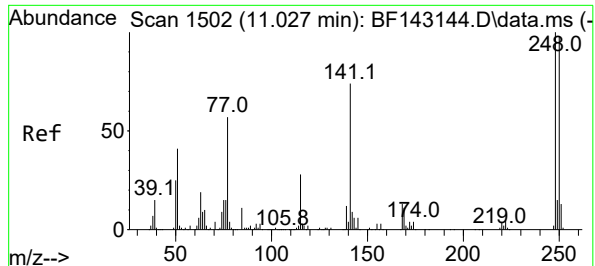
Tgt Ion:198 Resp: 98462
Ion Ratio Lower Upper
198 100
51 55.0 37.2 77.2
105 43.3 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:169 Resp: 647855
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.8 28.2 42.2

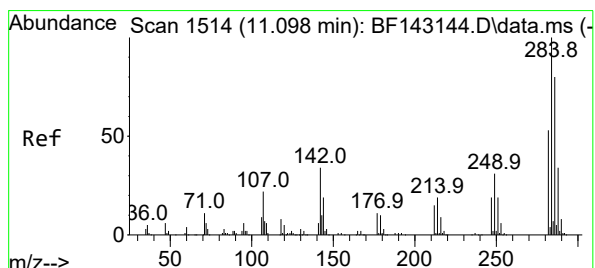
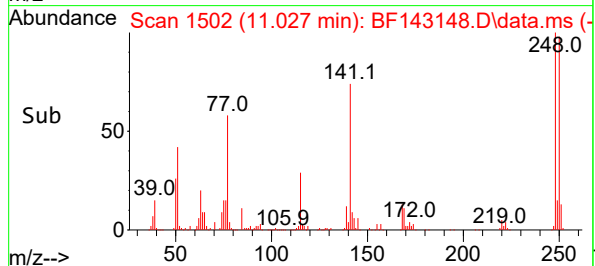
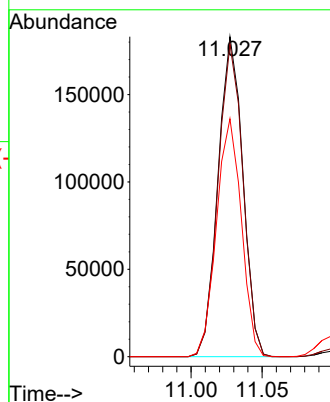
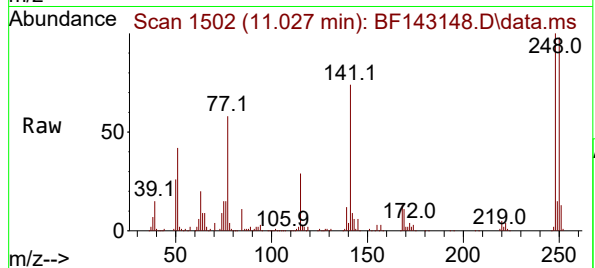




#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

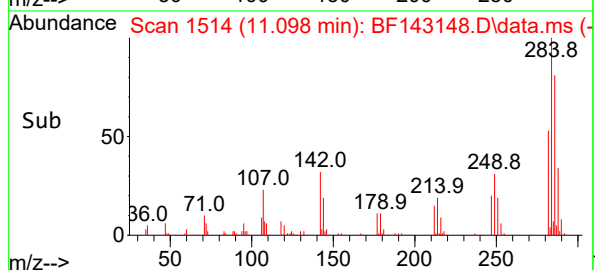
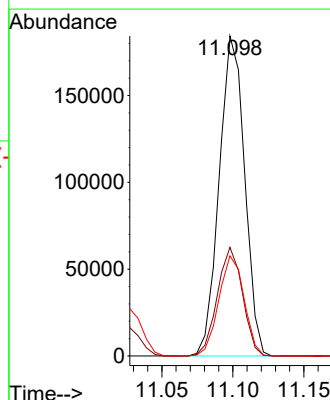
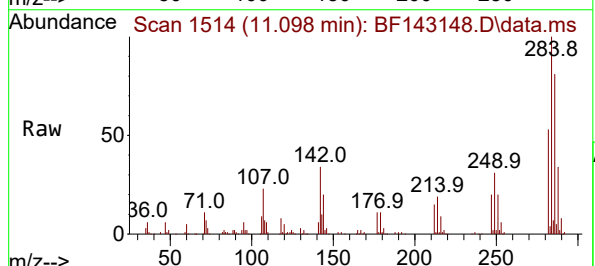
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

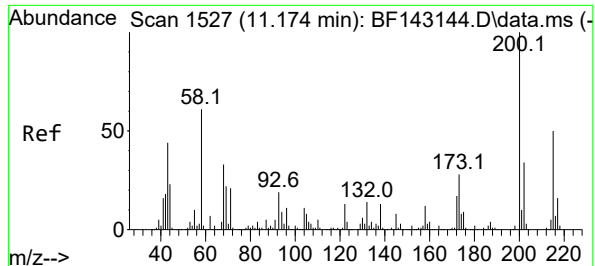
Tgt Ion:248 Resp: 222405
Ion Ratio Lower Upper
248 100
250 97.7 78.3 117.5
141 74.3 59.2 88.8



#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:284 Resp: 229272
Ion Ratio Lower Upper
284 100
142 34.0 27.0 40.6
249 31.3 25.0 37.6

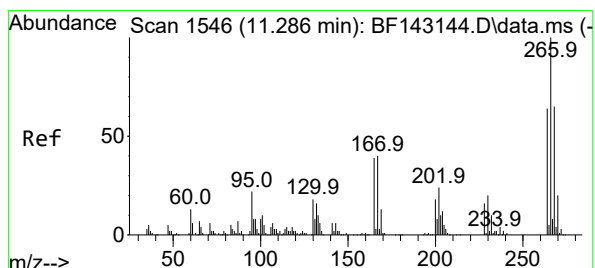
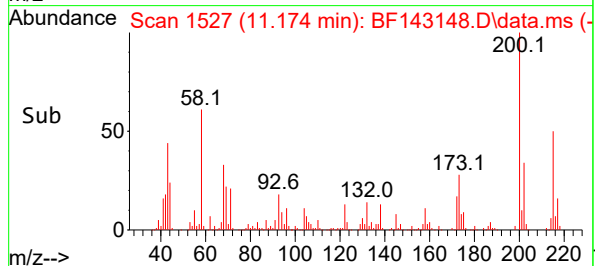
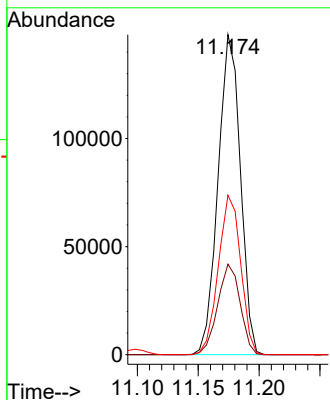
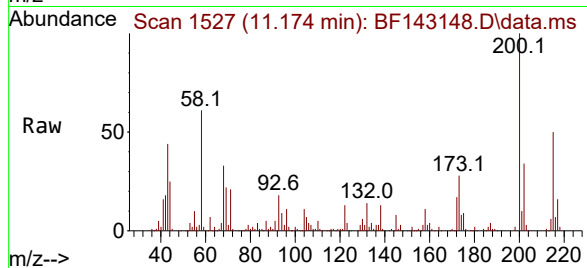




#69
Atrazine
Concen: 42.615 ng
RT: 11.174 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

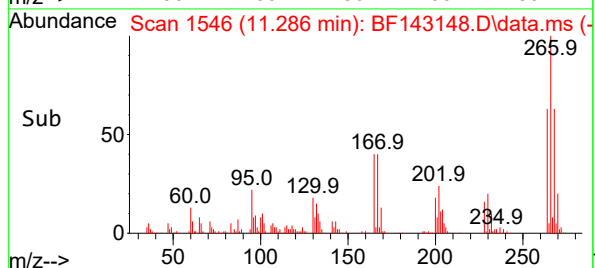
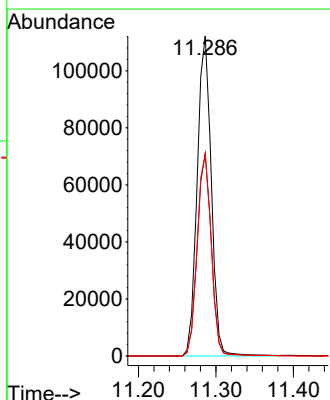
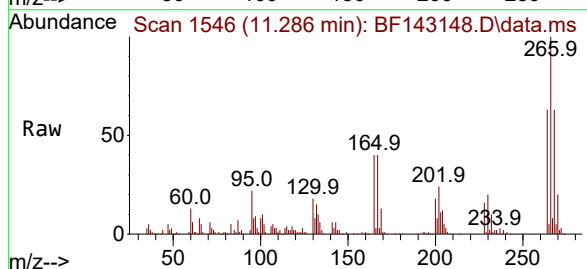
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

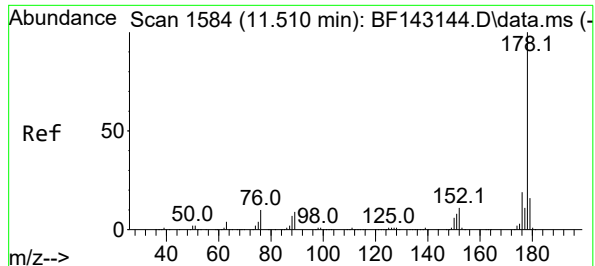
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1



#70
Pentachlorophenol
Concen: 42.292 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.9	77.9
264	63.3	51.0	76.6

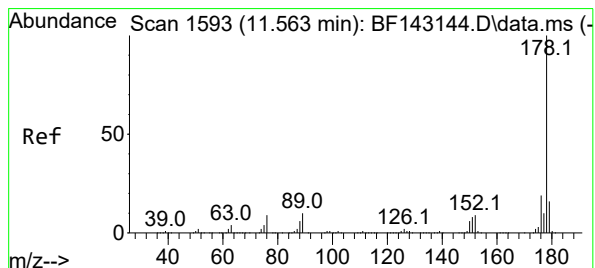
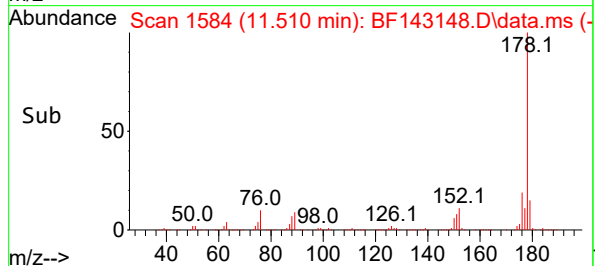
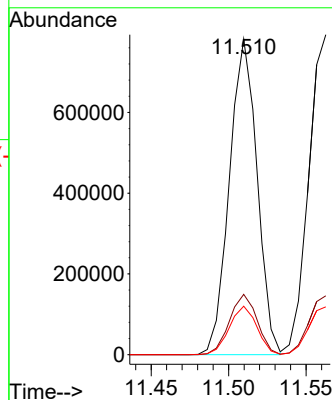
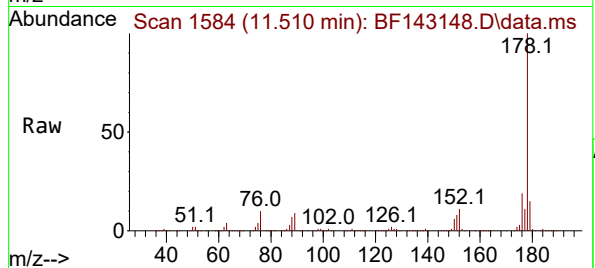




#71
Phenanthrene
Concen: 40.026 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

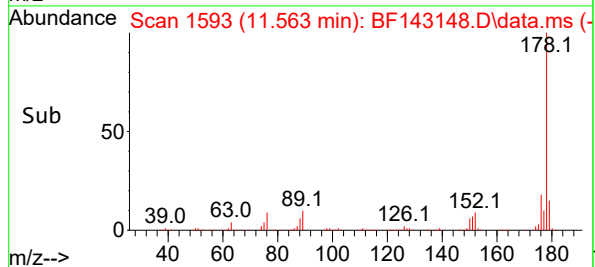
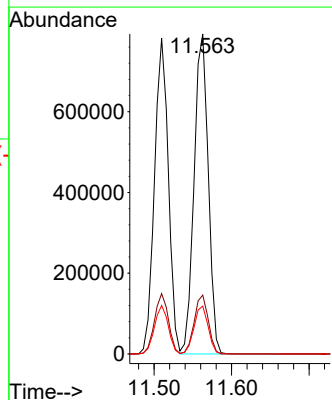
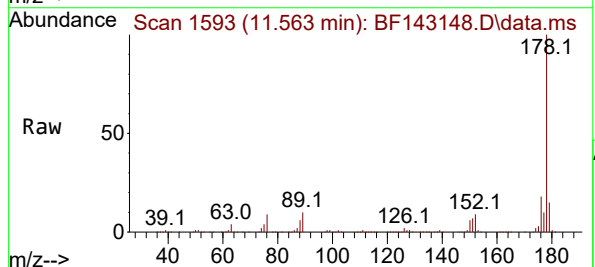
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

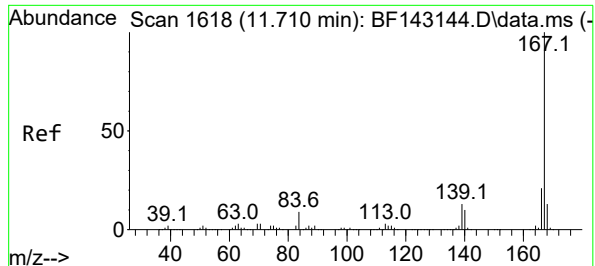
Tgt Ion:178 Resp: 971448
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 40.557 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:178 Resp: 1003925
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.0 12.5 18.7

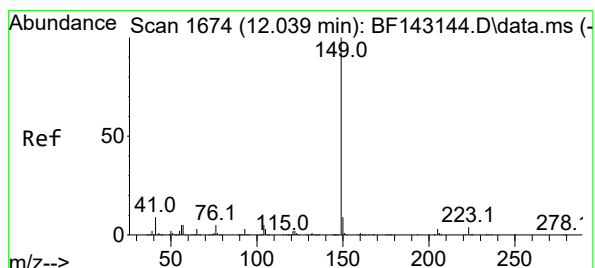
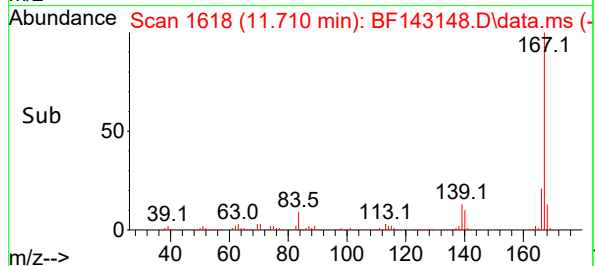
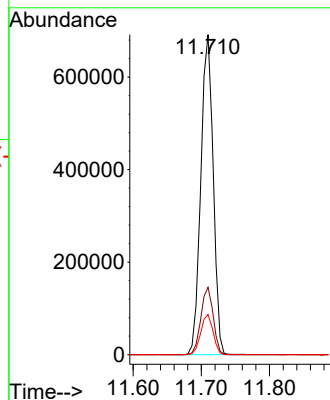
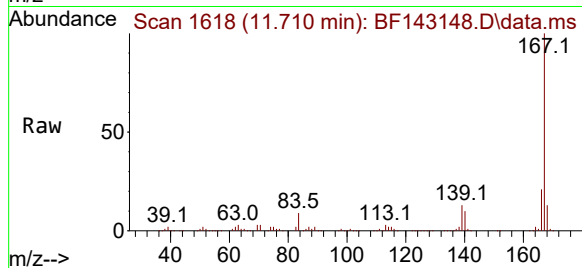




#73
Carbazole
Concen: 40.476 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

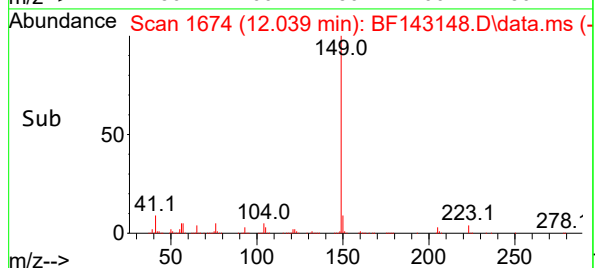
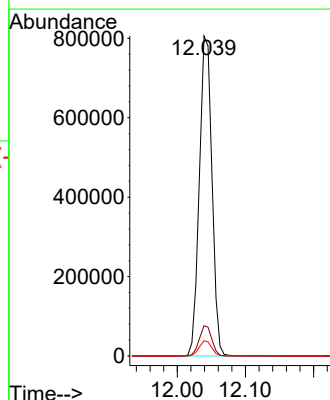
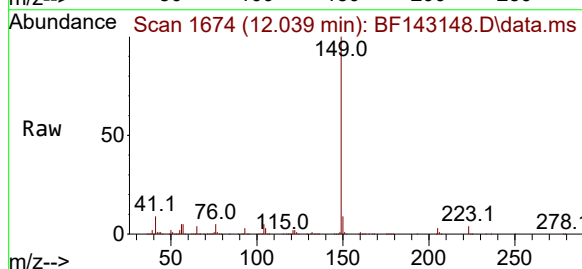
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

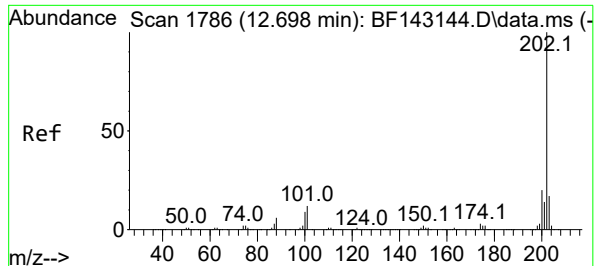
Tgt Ion:167 Resp: 874867
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.6
139 12.5 10.0 15.0



#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 1035244
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.7 3.8 5.8

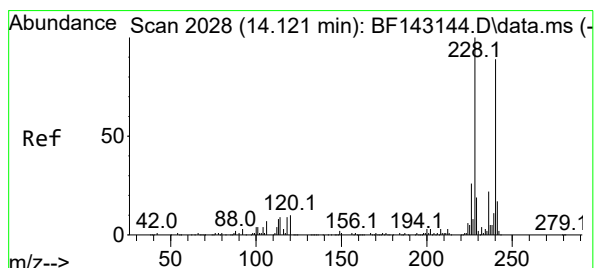
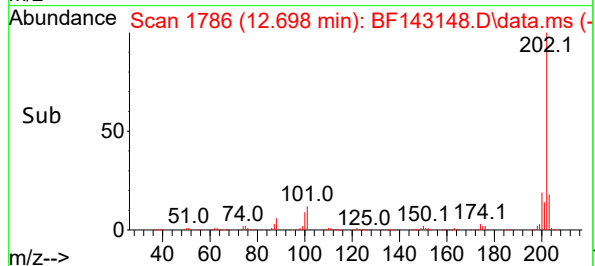
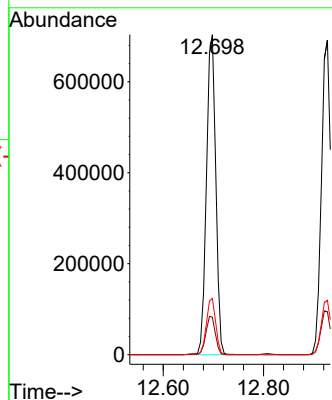
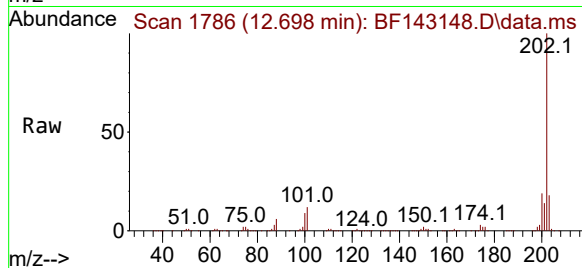




#75
Fluoranthene
Concen: 40.836 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

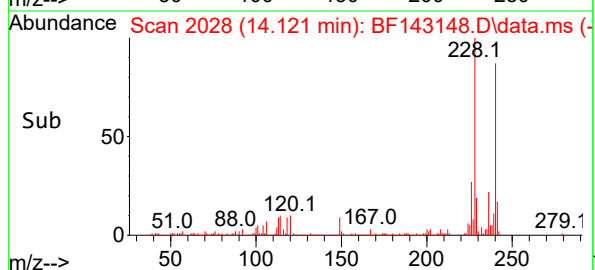
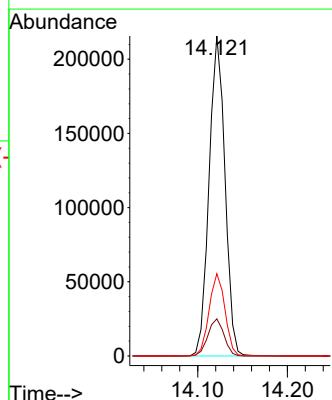
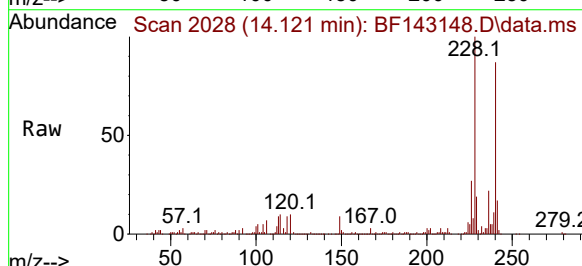
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

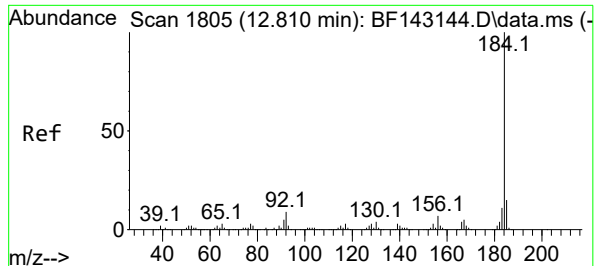
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.6	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.4	14.2
236	25.7	20.2	30.4

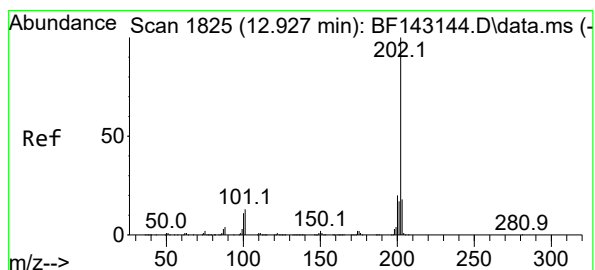
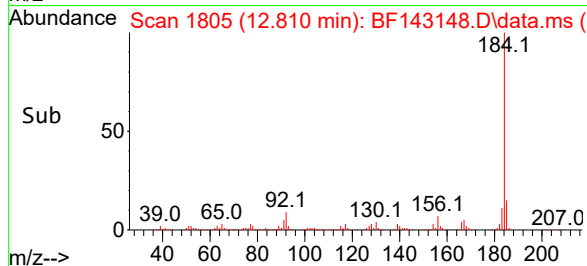
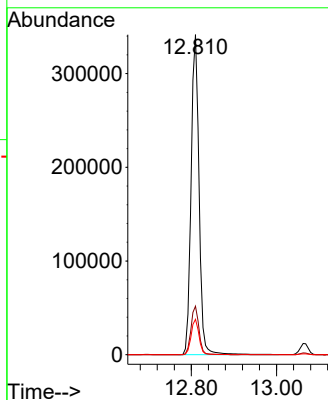
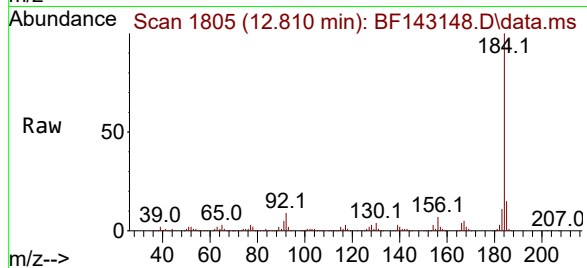




#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

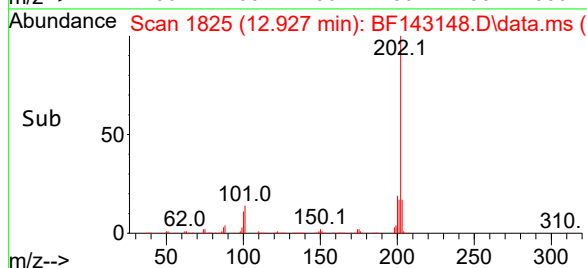
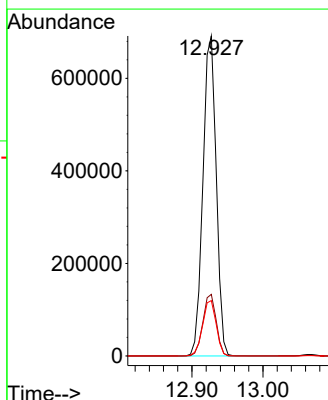
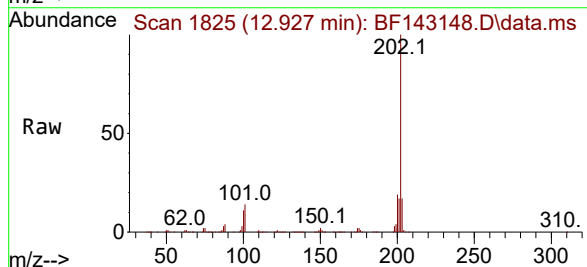
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

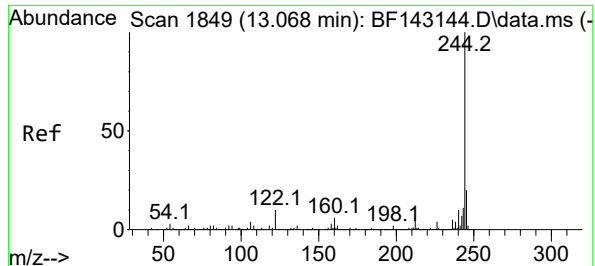
Tgt Ion:184 Resp: 441470
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.1 9.0 13.4



#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 902771
Ion Ratio Lower Upper
202 100
200 19.3 15.7 23.5
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 69.333 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

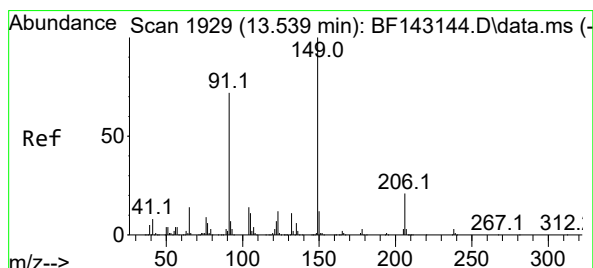
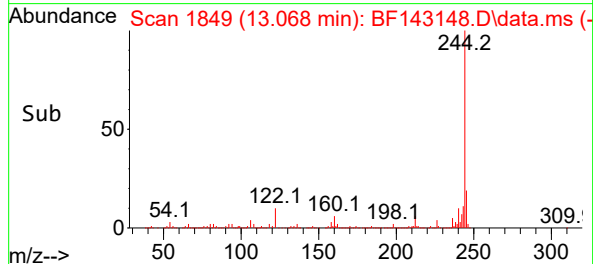
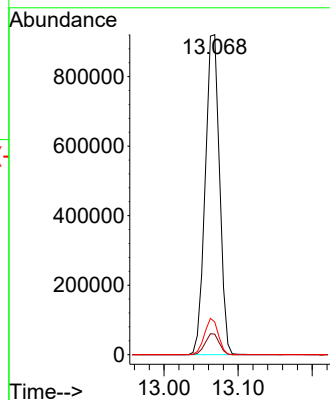
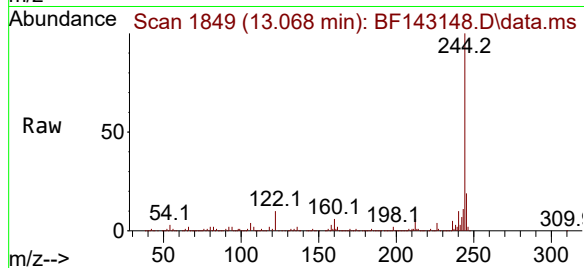
Tgt Ion:244 Resp: 1234701

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 43.827 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

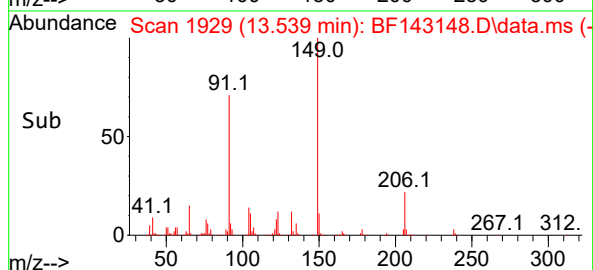
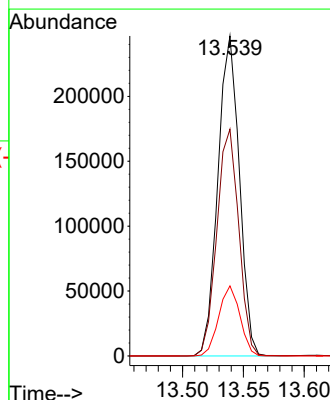
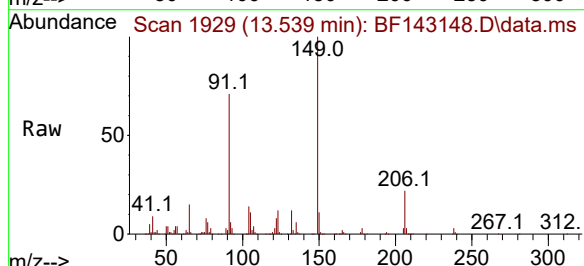
Tgt Ion:149 Resp: 303528

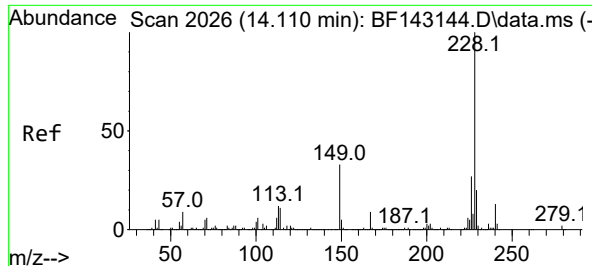
Ion Ratio Lower Upper

149 100

91 70.9 57.9 86.9

206 21.9 17.0 25.4

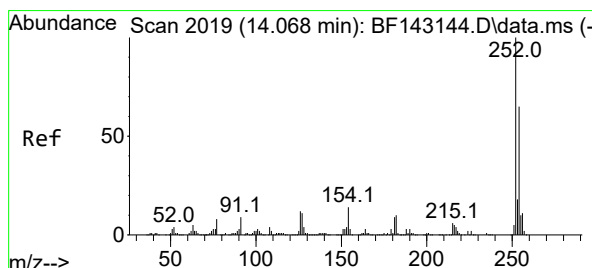
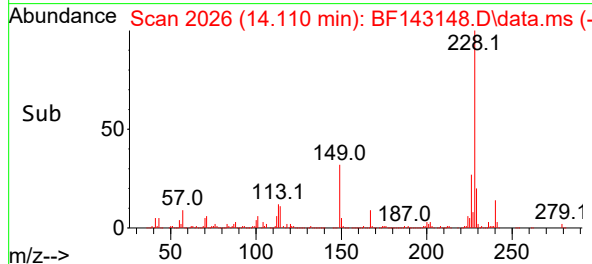
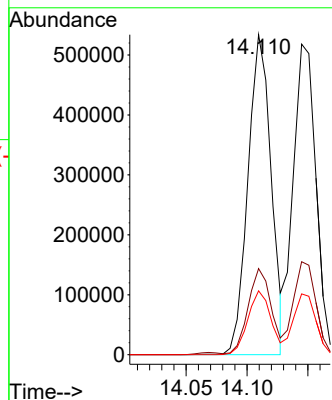
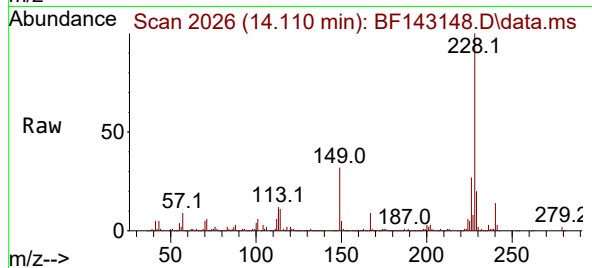




#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

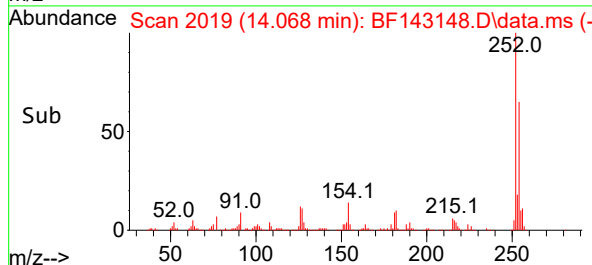
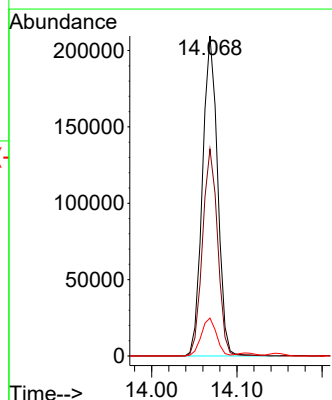
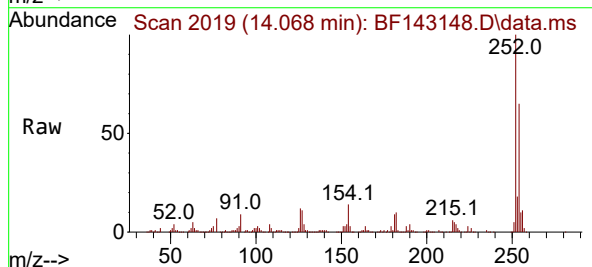
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

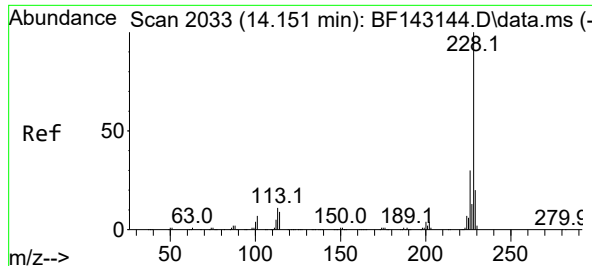
Tgt Ion:228 Resp: 708799
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 20.0 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 258837
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.9 9.4 14.0





#83

Chrysene

Concen: 42.233 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

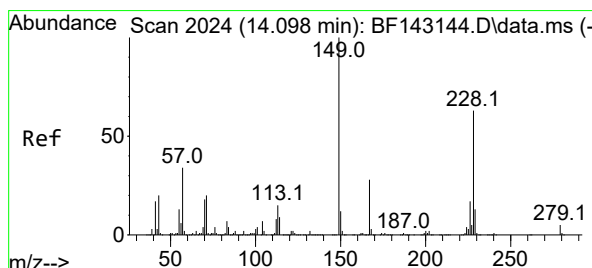
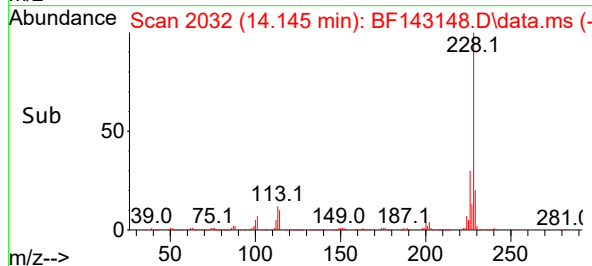
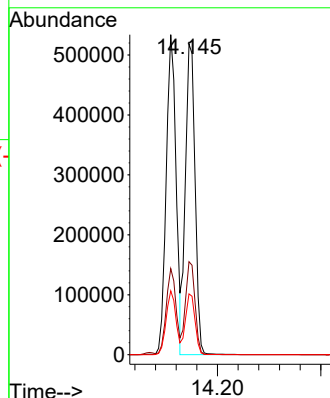
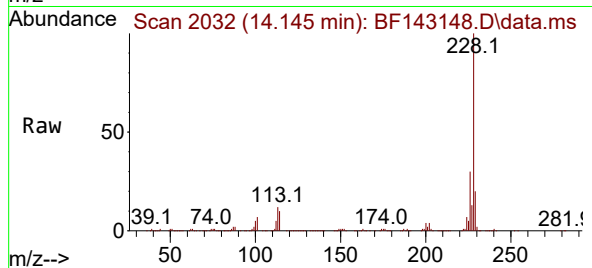
Tgt Ion:228 Resp: 673701

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.578 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

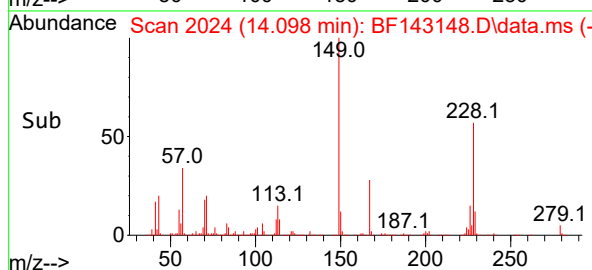
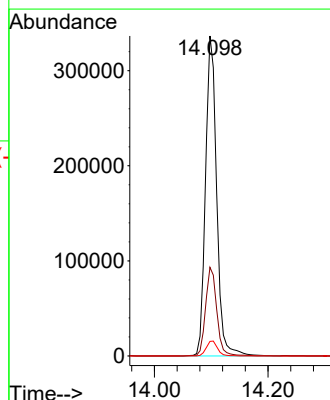
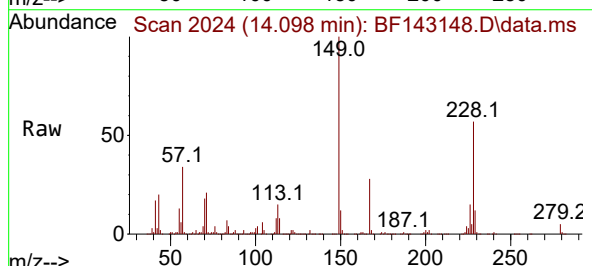
Tgt Ion:149 Resp: 456811

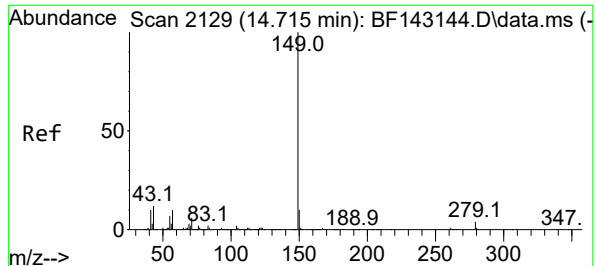
Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

279 4.6 3.6 5.4

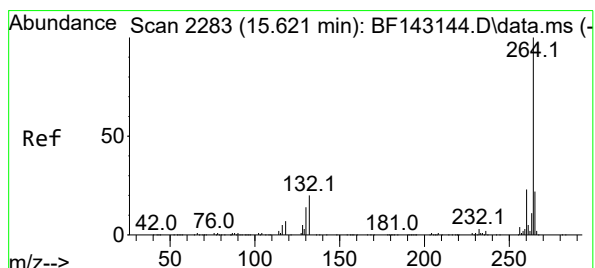
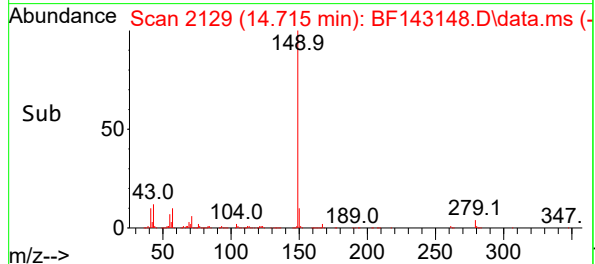
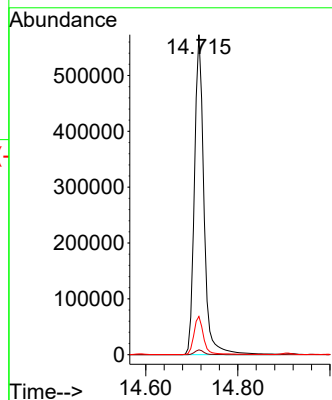
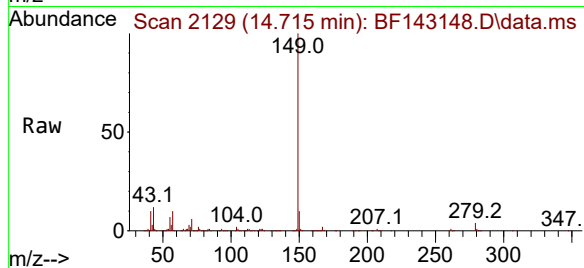




#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

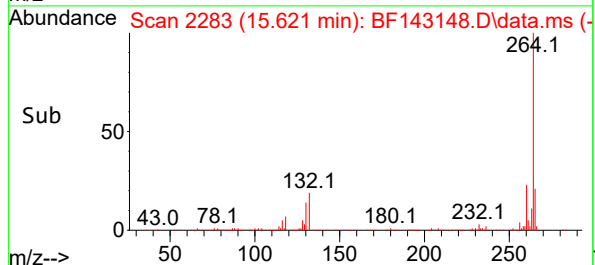
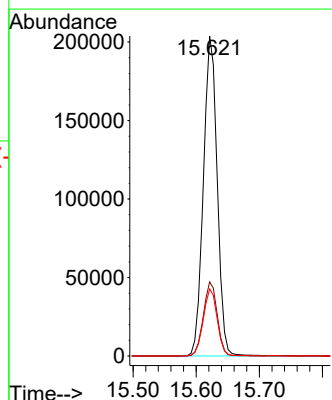
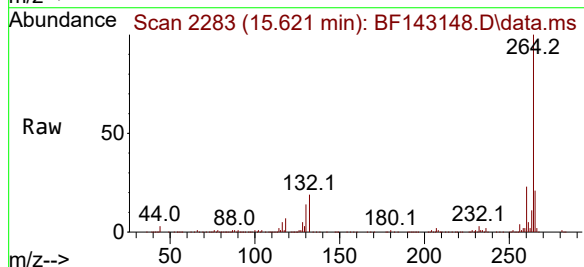
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

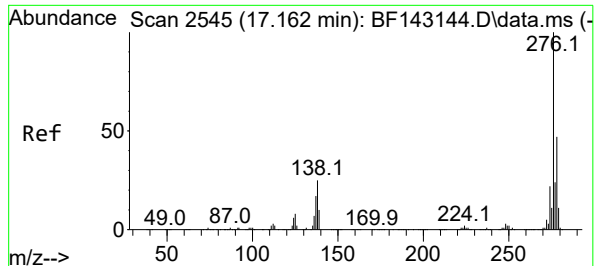
Tgt Ion:149 Resp: 818512
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.2 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:264 Resp: 310192
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 20.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.983 ng

RT: 17.162 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

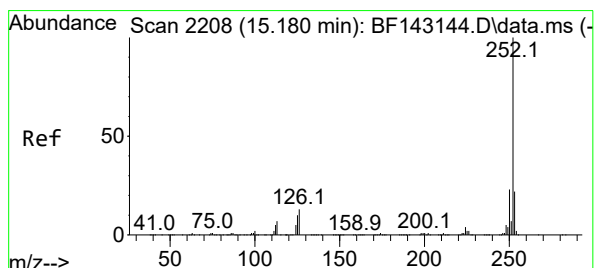
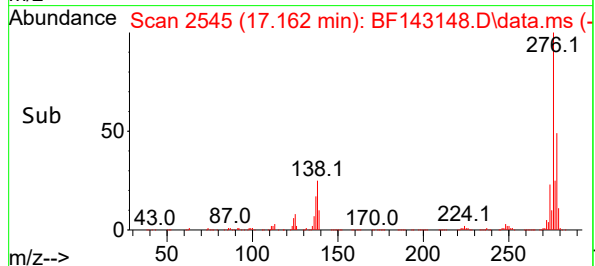
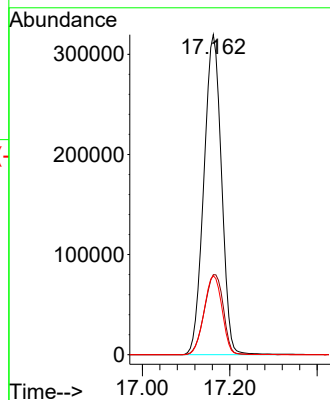
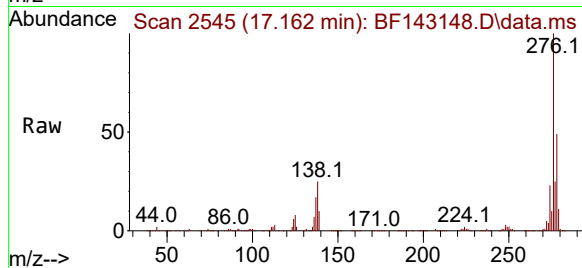
Tgt Ion:276 Resp: 896404

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 43.278 ng

RT: 15.180 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

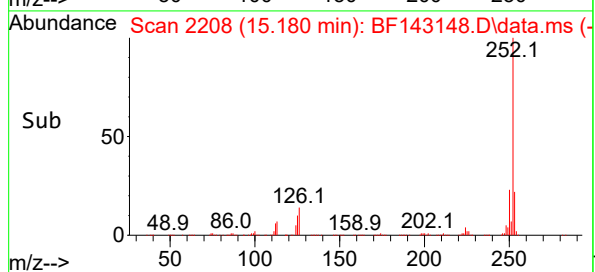
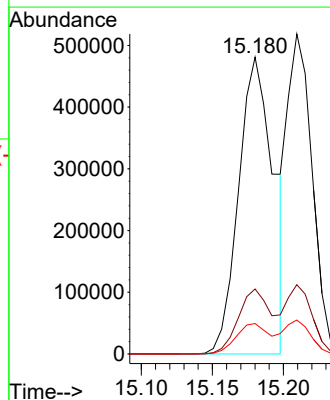
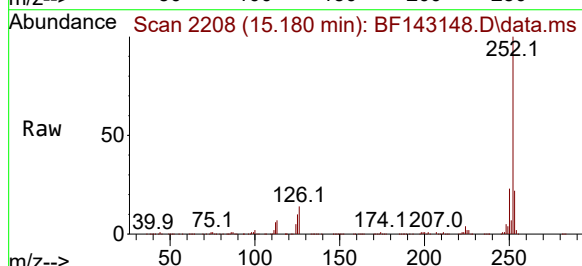
Tgt Ion:252 Resp: 820119

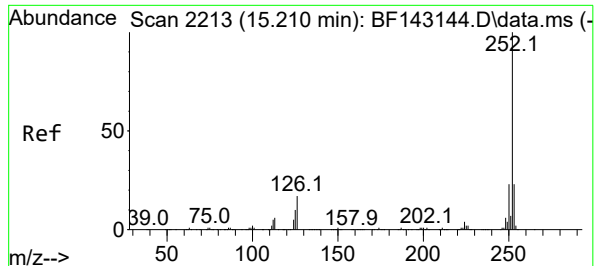
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 37.531 ng

RT: 15.209 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

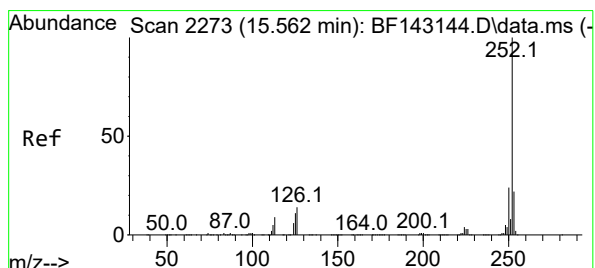
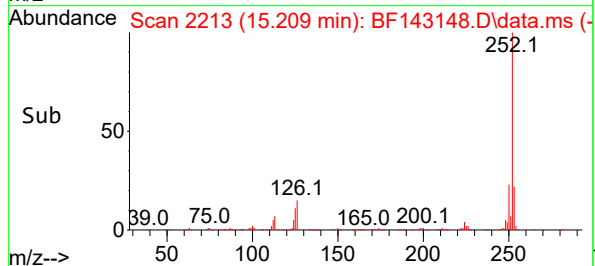
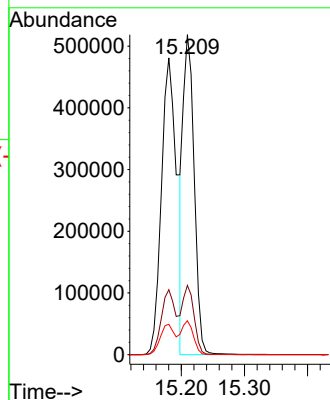
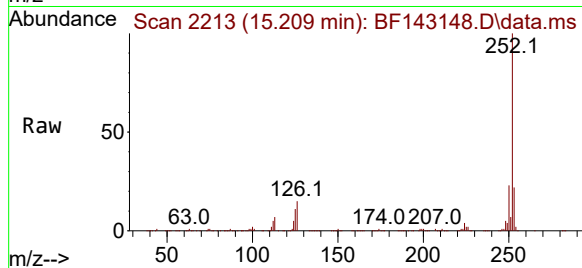
Tgt Ion:252 Resp: 634642

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 10.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 40.594 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

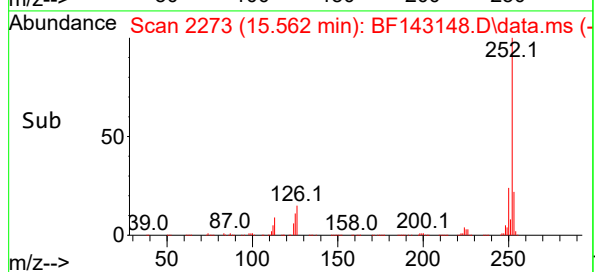
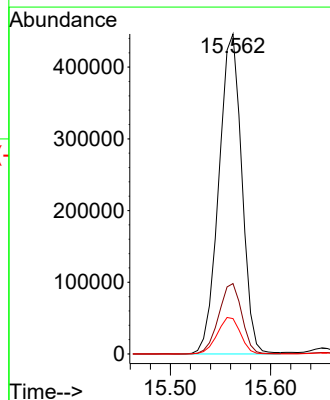
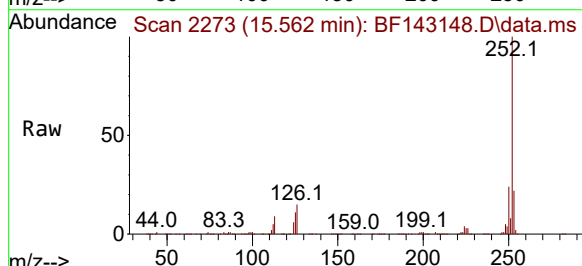
Tgt Ion:252 Resp: 708756

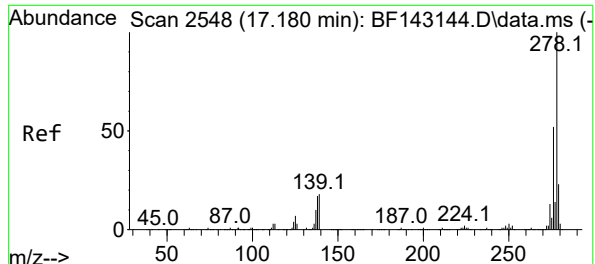
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 11.1 8.6 13.0

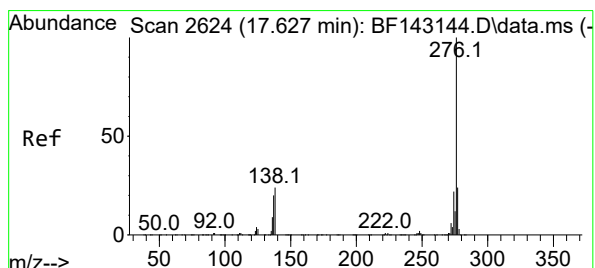
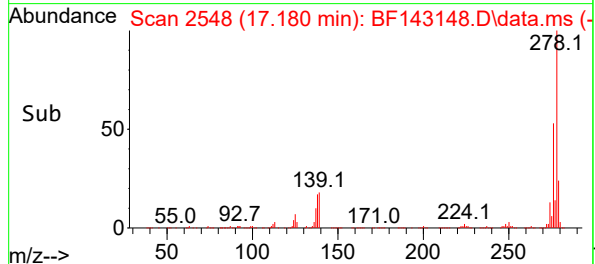
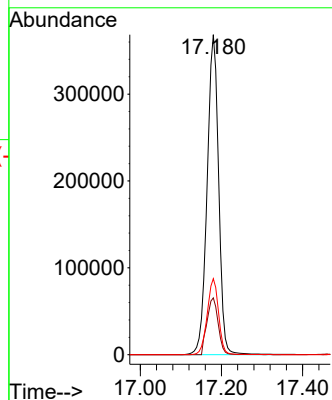
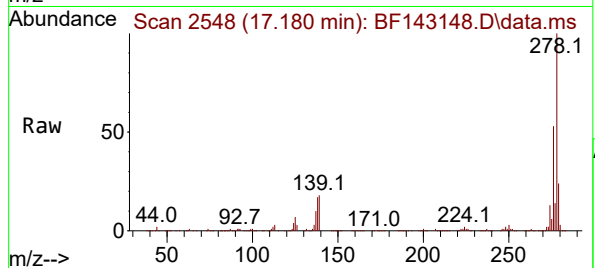




#91
Dibenzo(a,h)anthracene
Concen: 40.710 ng
RT: 17.180 min Scan# 2548
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

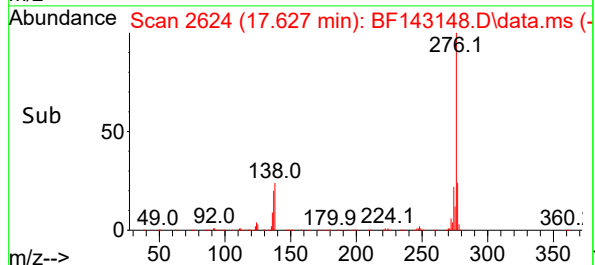
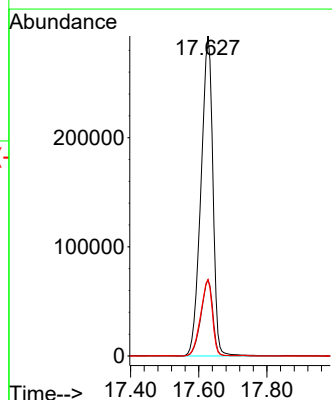
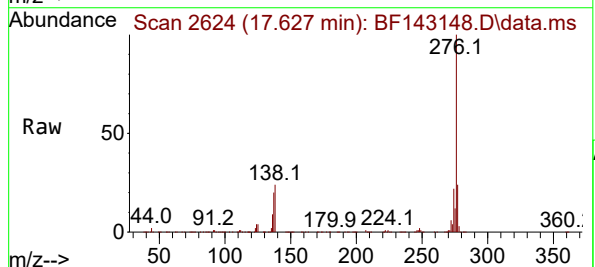
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:278 Resp: 724758
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.8 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 712864
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 23.9 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	86	0.00
2	1,4-Dioxane	0.598	0.576	3.7	83	-0.03
3	Pyridine	1.552	1.576	-1.5	89	-0.02
4	n-Nitrosodimethylamine	0.801	0.817	-2.0	87	-0.02
5 S	2-Fluorophenol	1.264	1.219	3.6	85	0.00
6	Aniline	2.217	2.277	-2.7	89	0.00
7 S	Phenol-d6	1.591	1.554	2.3	86	0.00
8	2-Chlorophenol	1.325	1.375	-3.8	90	0.00
9	Benzaldehyde	1.193	1.117	6.4	67	0.00
10 C	Phenol	1.733	1.769	-2.1	89	0.00
11	bis(2-Chloroethyl)ether	1.327	1.348	-1.6	89	0.00
12	1,3-Dichlorobenzene	1.439	1.454	-1.0	89	0.00
13 C	1,4-Dichlorobenzene	1.449	1.476	-1.9	90	0.00
14	1,2-Dichlorobenzene	1.378	1.430	-3.8	92	0.00
15	Benzyl Alcohol	1.215	1.274	-4.9	90	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.545	-3.4	91	0.00
17	2-Methylphenol	1.114	1.153	-3.5	91	0.00
18	Hexachloroethane	0.502	0.526	-4.8	92	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	1.029	-0.8	90	0.00
20	3+4-Methylphenols	1.351	1.432	-6.0	92	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22	Acetophenone	0.474	0.477	-0.6	91	0.00
23 S	Nitrobenzene-d5	0.401	0.362	9.7	79	0.00
24	Nitrobenzene	0.374	0.390	-4.3	91	0.00
25	Isophorone	0.708	0.718	-1.4	91	0.00
26 C	2-Nitrophenol	0.162	0.182	-12.3	93	0.00
27	2,4-Dimethylphenol	0.331	0.337	-1.8	91	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.424	0.2	90	0.00
29 C	2,4-Dichlorophenol	0.279	0.285	-2.2	90	0.00
30	1,2,4-Trichlorobenzene	0.302	0.306	-1.3	91	0.00
31	Naphthalene	0.985	0.989	-0.4	90	0.00
32	Benzoic acid	0.169	0.181	-7.1	88	0.00
33	4-Chloroaniline	0.402	0.409	-1.7	91	0.00
34 C	Hexachlorobutadiene	0.184	0.190	-3.3	92	0.00
35	Caprolactam	0.084	0.086	-2.4	87	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.308	-1.7	89	0.00
37	2-Methylnaphthalene	0.599	0.604	-0.8	91	0.00
38	1-Methylnaphthalene	0.617	0.628	-1.8	91	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.591	-2.4	93	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.403	-7.2	93	0.00
42 S	2,4,6-Tribromophenol	0.207	0.207	0.0	85	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.402	-0.5	91	0.00
44	2,4,5-Trichlorophenol	0.400	0.430	-7.5	92	0.00
45 S	2-Fluorobiphenyl	1.462	1.261	13.7	80	0.00
46	1,1'-Biphenyl	1.560	1.601	-2.6	93	0.00
47	2-Chloronaphthalene	1.155	1.160	-0.4	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	0.362	0.396	-9.4	91	0.00
49	Acenaphthylene	1.935	1.936	-0.1	90	0.00
50	Dimethylphthalate	1.304	1.311	-0.5	89	0.00
51	2,6-Dinitrotoluene	0.265	0.291	-9.8	91	0.00
52 C	Acenaphthene	1.144	1.149	-0.4	91	0.00
53	3-Nitroaniline	0.310	0.333	-7.4	91	0.00
54 P	2,4-Dinitrophenol	0.098	0.113	-15.3	93	0.00
55	Dibenzofuran	1.698	1.697	0.1	90	0.00
56 P	4-Nitrophenol	0.232	0.245	-5.6	86	0.00
57	2,4-Dinitrotoluene	0.333	0.370	-11.1	90	0.00
58	Fluorene	1.274	1.249	2.0	89	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.346	-4.5	90	0.00
60	Diethylphthalate	1.289	1.312	-1.8	90	0.00
61	4-Chlorophenyl-phenylether	0.635	0.641	-0.9	91	0.00
62	4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63	Azobenzene	1.343	1.357	-1.0	89	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.108	-14.9	93	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.709	-0.7	89	0.00
67	4-Bromophenyl-phenylether	0.238	0.243	-2.1	90	0.00
68	Hexachlorobenzene	0.249	0.251	-0.8	88	0.00
69	Atrazine	0.194	0.207	-6.7	89	0.00
70 C	Pentachlorophenol	0.147	0.155	-5.4	88	0.00
71	Phenanthrene	1.062	1.063	-0.1	88	0.00
72	Anthracene	1.083	1.098	-1.4	89	0.00
73	Carbazole	0.946	0.957	-1.2	87	0.00
74	Di-n-butylphthalate	1.070	1.132	-5.8	89	0.00
75 C	Fluoranthene	0.975	0.995	-2.1	88	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzydine	0.771	0.833	-8.0	78	0.00
78	Pyrene	1.707	1.703	0.2	89	0.00
79 S	Terphenyl-d14	1.344	1.165	13.3	79	0.00
80	Butylbenzylphthalate	0.523	0.573	-9.6	94	0.00
81	Benzo(a)anthracene	1.339	1.337	0.1	93	0.00
82	3,3'-Dichlorobenzidine	0.446	0.488	-9.4	102	0.00
83	Chrysene	1.204	1.271	-5.6	94	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.862	-9.0	98	0.00
85 c	Di-n-octyl phthalate	1.434	1.544	-7.7	100	0.00
86 I	Perylene-d12	1.000	1.000	0.0	96	0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.445	-2.5	98	0.00
88	Benzo(b)fluoranthene	1.222	1.322	-8.2	110	0.00
89	Benzo(k)fluoranthene	1.090	1.023	6.1	87	0.00
90 C	Benzo(a)pyrene	1.126	1.142	-1.4	98	0.00
91	Dibenzo(a,h)anthracene	1.148	1.168	-1.7	98	0.00
92	Benzo(g,h,i)perylene	1.110	1.149	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
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\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
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 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	86	0.00
2	1,4-Dioxane	40.000	38.496	3.8	83	-0.03
3	Pyridine	40.000	40.604	-1.5	89	-0.02
4	n-Nitrosodimethylamine	40.000	40.802	-2.0	87	-0.02
5 S	2-Fluorophenol	80.000	77.143	3.6	85	0.00
6	Aniline	40.000	41.078	-2.7	89	0.00
7 S	Phenol-d6	80.000	78.133	2.3	86	0.00
8	2-Chlorophenol	40.000	41.530	-3.8	90	0.00
9	Benzaldehyde	40.000	37.441	6.4	67	0.00
10 C	Phenol	40.000	40.827	-2.1	89	0.00
11	bis(2-Chloroethyl)ether	40.000	40.628	-1.6	89	0.00
12	1,3-Dichlorobenzene	40.000	40.400	-1.0	89	0.00
13 C	1,4-Dichlorobenzene	40.000	40.731	-1.8	90	0.00
14	1,2-Dichlorobenzene	40.000	41.506	-3.8	92	0.00
15	Benzyl Alcohol	40.000	41.958	-4.9	90	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.357	-3.4	91	0.00
17	2-Methylphenol	40.000	41.398	-3.5	91	0.00
18	Hexachloroethane	40.000	41.903	-4.8	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.342	-0.9	90	0.00
20	3+4-Methylphenols	40.000	42.387	-6.0	92	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22	Acetophenone	40.000	40.260	-0.6	91	0.00
23 S	Nitrobenzene-d5	80.000	72.247	9.7	79	0.00
24	Nitrobenzene	40.000	41.731	-4.3	91	0.00
25	Isophorone	40.000	40.567	-1.4	91	0.00
26 C	2-Nitrophenol	40.000	44.896	-12.2	93	0.00
27	2,4-Dimethylphenol	40.000	40.773	-1.9	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.939	0.2	90	0.00
29 C	2,4-Dichlorophenol	40.000	40.875	-2.2	90	0.00
30	1,2,4-Trichlorobenzene	40.000	40.551	-1.4	91	0.00
31	Naphthalene	40.000	40.143	-0.4	90	0.00
32	Benzoic acid	40.000	39.782	0.5	88	0.00
33	4-Chloroaniline	40.000	40.671	-1.7	91	0.00
34 C	Hexachlorobutadiene	40.000	41.284	-3.2	92	0.00
35	Caprolactam	40.000	40.959	-2.4	87	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.611	-1.5	89	0.00
37	2-Methylnaphthalene	40.000	40.279	-0.7	91	0.00
38	1-Methylnaphthalene	40.000	40.712	-1.8	91	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.944	-2.4	93	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.872	-7.2	93	0.00
42 S	2,4,6-Tribromophenol	80.000	79.969	0.0	85	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.253	-0.6	91	0.00
44	2,4,5-Trichlorophenol	40.000	42.989	-7.5	92	0.00
45 S	2-Fluorobiphenyl	80.000	68.992	13.8	80	0.00
46	1,1'-Biphenyl	40.000	41.053	-2.6	93	0.00
47	2-Chloronaphthalene	40.000	40.184	-0.5	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	43.723	-9.3	91	0.00
49	Acenaphthylene	40.000	40.013	-0.0	90	0.00
50	Dimethylphthalate	40.000	40.218	-0.5	89	0.00
51	2,6-Dinitrotoluene	40.000	43.820	-9.6	91	0.00
52 C	Acenaphthene	40.000	40.176	-0.4	91	0.00
53	3-Nitroaniline	40.000	42.985	-7.5	91	0.00
54 P	2,4-Dinitrophenol	40.000	40.998	-2.5	93	0.00
55	Dibenzofuran	40.000	39.981	0.0	90	0.00
56 P	4-Nitrophenol	40.000	42.344	-5.9	86	0.00
57	2,4-Dinitrotoluene	40.000	44.440	-11.1	90	0.00
58	Fluorene	40.000	39.219	2.0	89	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.743	-4.4	90	0.00
60	Diethylphthalate	40.000	40.729	-1.8	90	0.00
61	4-Chlorophenyl-phenylether	40.000	40.377	-0.9	91	0.00
62	4-Nitroaniline	40.000	41.953	-4.9	86	0.00
63	Azobenzene	40.000	40.414	-1.0	89	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.869	-4.7	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.250	-0.6	89	0.00
67	4-Bromophenyl-phenylether	40.000	40.828	-2.1	90	0.00
68	Hexachlorobenzene	40.000	40.268	-0.7	88	0.00
69	Atrazine	40.000	42.615	-6.5	89	0.00
70 C	Pentachlorophenol	40.000	42.292	-5.7	88	0.00
71	Phenanthrene	40.000	40.026	-0.1	88	0.00
72	Anthracene	40.000	40.557	-1.4	89	0.00
73	Carbazole	40.000	40.476	-1.2	87	0.00
74	Di-n-butylphthalate	40.000	42.330	-5.8	89	0.00
75 C	Fluoranthene	40.000	40.836	-2.1	88	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	43.239	-8.1	78	0.00
78	Pyrene	40.000	39.916	0.2	89	0.00
79 S	Terphenyl-d14	80.000	69.333	13.3	79	0.00
80	Butylbenzylphthalate	40.000	43.827	-9.6	94	0.00
81	Benzo(a)anthracene	40.000	39.950	0.1	93	0.00
82	3,3'-Dichlorobenzidine	40.000	43.772	-9.4	102	0.00
83	Chrysene	40.000	42.233	-5.6	94	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.578	-8.9	98	0.00
85 c	Di-n-octyl phthalate	40.000	43.077	-7.7	100	0.00
86 I	Perylene-d12	20.000	20.000	0.0	96	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.983	-2.5	98	0.00
88	Benzo(b)fluoranthene	40.000	43.278	-8.2	110	0.00
89	Benzo(k)fluoranthene	40.000	37.531	6.2	87	0.00
90 C	Benzo(a)pyrene	40.000	40.594	-1.5	98	0.00
91	Dibenzo(a,h)anthracene	40.000	40.710	-1.8	98	0.00
92	Benzo(g,h,i)perylene	40.000	41.394	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
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:	<u>Alliance</u>	Contract:	<u>ARDM01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2585</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/18/2025 11:24</u>
Lab File ID:	<u>BF143159.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.801	0.792		-1.1	
2-Fluorophenol	1.264	1.224		-3.2	
Phenol-d6	1.591	1.558		-2.1	
Phenol	1.733	1.713		-1.2	20.0
bis(2-Chloroethyl)ether	1.327	1.320		-0.5	
2-Chlorophenol	1.325	1.308		-1.3	
2,2-oxybis(1-Chloropropane)	2.461	2.451		-0.4	
n-Nitroso-di-n-propylamine	1.021	0.986	0.050	-3.4	
Nitrobenzene-d5	0.401	0.411		2.5	
Hexachloroethane	0.502	0.499		-0.6	
Nitrobenzene	0.374	0.376		0.5	
Isophorone	0.708	0.694		-2.0	
2-Nitrophenol	0.162	0.167		3.1	20.0
2,4-Dimethylphenol	0.331	0.323		-2.4	
bis(2-Chloroethoxy)methane	0.425	0.413		-2.8	
2,4-Dichlorophenol	0.279	0.273		-2.2	20.0
1,2,4-Trichlorobenzene	0.302	0.296		-2.0	
Naphthalene	0.985	0.953		-3.2	
Hexachlorobutadiene	0.184	0.182		-1.1	20.0
4-Chloro-3-methylphenol	0.303	0.296		-2.3	20.0
Hexachlorocyclopentadiene	0.376	0.376	0.050	0.0	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.373		-6.1	
2-Chloronaphthalene	1.155	1.124		-2.7	
Dimethylphthalate	1.304	1.253		-3.9	
Acenaphthylene	1.935	1.861		-3.8	
2,6-Dinitrotoluene	0.265	0.270		1.9	
Acenaphthene	1.144	1.092		-4.5	20.0
2,4-Dinitrophenol	0.098	0.102	0.050	4.1	
4-Nitrophenol	0.232	0.221	0.050	-4.7	
2,4-Dinitrotoluene	0.333	0.335		0.6	
Diethylphthalate	1.289	1.253		-2.8	
4-Chlorophenyl-phenylether	0.635	0.598		-5.8	
Fluorene	1.274	1.203		-5.6	
4,6-Dinitro-2-methylphenol	0.094	0.097		3.2	
n-Nitrosodiphenylamine	0.704	0.686		-2.6	20.0
Azobenzene	1.343	1.298		-3.4	
2,4,6-Tribromophenol	0.207	0.198		-4.3	
4-Bromophenyl-phenylether	0.238	0.236		-0.8	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ARDM01
 Lab Code: ACE SDG No.: Q2585
 Instrument ID: BNA_F Calibration Date/Time: 07/18/2025 11:24
 Lab File ID: BF143159.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.249	0.243		-2.4	
Pentachlorophenol	0.147	0.151		2.7	20.0
Phenanthrene	1.062	1.008		-5.1	
Anthracene	1.083	1.044		-3.6	
Di-n-butylphthalate	1.070	1.053		-1.6	
Fluoranthene	0.975	0.946		-3.0	20.0
Benzidine	0.771	0.760		-1.4	
Pyrene	1.707	1.562		-8.5	
Terphenyl-d14	1.344	1.220		-9.2	
Butylbenzylphthalate	0.523	0.515		-1.5	
3,3-Dichlorobenzidine	0.446	0.437		-2.0	
Benzo(a)anthracene	1.339	1.282		-4.3	
Chrysene	1.204	1.187		-1.4	
Bis(2-ethylhexyl)phthalate	0.791	0.789		-0.3	
Di-n-octyl phthalate	1.434	1.381		-3.7	20.0
Benzo(b)fluoranthene	1.222	1.169		-4.3	
Benzo(k)fluoranthene	1.090	1.072		-1.7	
Benzo(a)pyrene	1.126	1.108		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.396		-1.0	
Dibenzo(a,h)anthracene	1.148	1.145		-0.3	
Benzo(g,h,i)perylene	1.110	1.112		0.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143159.D
 Acq On : 18 Jul 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	158986	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	609943	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	308568	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	484154	20.000	ng	0.00
76) Chrysene-d12	14.121	240	288972	20.000	ng	0.00
86) Perylene-d12	15.621	264	331263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	778233	77.461	ng	0.00
7) Phenol-d6	6.581	99	991026	78.369	ng	0.00
23) Nitrobenzene-d5	7.522	82	1001726	81.865	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	244627	76.741	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1694866	75.119	ng	0.00
79) Terphenyl-d14	13.063	244	1409765	72.598	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	189776	39.920	ng	99
3) Pyridine	3.575	79	493326	39.981	ng	97
4) n-Nitrosodimethylamine	3.522	42	251829	39.530	ng	98
6) Aniline	6.622	93	694602	39.412	ng	100
8) 2-Chlorophenol	6.745	128	415970	39.499	ng	99
9) Benzaldehyde	6.510	77	418013	44.083	ng	97
10) Phenol	6.598	94	544726m	39.541	ng	
11) bis(2-Chloroethyl)ether	6.692	93	419746	39.794	ng	100
12) 1,3-Dichlorobenzene	6.904	146	447626	39.128	ng	100
13) 1,4-Dichlorobenzene	6.981	146	449558	39.021	ng	100
14) 1,2-Dichlorobenzene	7.134	146	432823	39.500	ng	98
15) Benzyl Alcohol	7.098	79	379636	39.318	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	779314	39.828	ng	100
17) 2-Methylphenol	7.204	107	346501	39.132	ng	99
18) Hexachloroethane	7.481	117	158665	39.782	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	313487	38.640	ng	99
20) 3+4-Methylphenols	7.357	107	429153	39.947	ng	97
22) Acetophenone	7.369	105	556574	38.543	ng	98
24) Nitrobenzene	7.539	77	459039	40.238	ng	98
25) Isophorone	7.781	82	846892	39.206	ng	99
26) 2-Nitrophenol	7.857	139	203329	41.068	ng	100
27) 2,4-Dimethylphenol	7.887	122	393950	39.035	ng	100
28) bis(2-Chloroethoxy)met...	7.987	93	504354	38.942	ng	99
29) 2,4-Dichlorophenol	8.092	162	333406	39.173	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	360548	39.212	ng	99
31) Naphthalene	8.269	128	1162476	38.699	ng	100
32) Benzoic acid	7.987	122	207123	37.681	ng	96
33) 4-Chloroaniline	8.304	127	472144	38.494	ng	99
34) Hexachlorobutadiene	8.386	225	221836	39.494	ng	99
35) Caprolactam	8.675	113	102297	39.775	ng	97
36) 4-Chloro-3-methylphenol	8.781	107	361586	39.087	ng	99
37) 2-Methylnaphthalene	8.957	142	701400	38.372	ng	100
38) 1-Methylnaphthalene	9.057	142	727247	38.636	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	347715	39.031	ng	99
41) Hexachlorocyclopentadiene	9.116	237	232191	40.056	ng	98
43) 2,4,6-Trichlorophenol	9.228	196	238377	38.663	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143159.D
 Acq On : 18 Jul 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

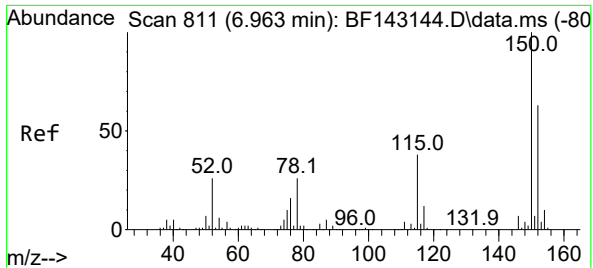
Quant Time: Jul 18 11:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	245550	39.814	ng	98
46) 1,1'-Biphenyl	9.422	154	922458	38.317	ng	99
47) 2-Chloronaphthalene	9.445	162	693644	38.940	ng	100
48) 2-Nitroaniline	9.528	65	228667	40.934	ng	97
49) Acenaphthylene	9.863	152	1148448	38.471	ng	100
50) Dimethylphthalate	9.716	163	773127	38.438	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166618	40.722	ng	99
52) Acenaphthene	10.033	154	673791	38.188	ng	99
53) 3-Nitroaniline	9.939	138	188626	39.413	ng	99
54) 2,4-Dinitrophenol	10.039	184	62679	37.648	ng	# 1
55) Dibenzofuran	10.204	168	1006197	38.410	ng	100
56) 4-Nitrophenol	10.086	139	136499	38.194	ng	100
57) 2,4-Dinitrotoluene	10.175	165	206647	40.255	ng	97
58) Fluorene	10.545	166	742445	37.763	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	200053	39.158	ng	100
60) Diethylphthalate	10.416	149	772963	38.881	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	368853	37.677	ng	100
62) 4-Nitroaniline	10.551	138	160962	39.243	ng	99
63) Azobenzene	10.698	77	801032	38.661	ng	99
65) 4,6-Dinitro-2-methylph...	10.580	198	94155	38.326	ng	95
66) n-Nitrosodiphenylamine	10.651	169	664562	38.980	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	228802	39.655	ng	98
68) Hexachlorobenzene	11.098	284	235254	39.010	ng	99
69) Atrazine	11.175	200	188190	40.039	ng	100
70) Pentachlorophenol	11.286	266	145757	41.098	ng	98
71) Phenanthrene	11.510	178	975972	37.965	ng	100
72) Anthracene	11.563	178	1010485	38.541	ng	100
73) Carbazole	11.710	167	882163	38.533	ng	100
74) Di-n-butylphthalate	12.039	149	1019612	39.361	ng	100
75) Fluoranthene	12.692	202	915546	38.801	ng	99
77) Benzidine	12.810	184	438982	39.430	ng	99
78) Pyrene	12.921	202	902645	36.600	ng	100
80) Butylbenzylphthalate	13.539	149	297533	39.398	ng	97
81) Benzo(a)anthracene	14.110	228	740974	38.300	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	252484	39.157	ng	99
83) Chrysene	14.145	228	685795	39.426	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	456161	39.907	ng	100
85) Di-n-octyl phthalate	14.715	149	798316	38.530	ng	99
87) Indeno(1,2,3-cd)pyrene	17.157	276	924864	39.594	ng	99
88) Benzo(b)fluoranthene	15.174	252	774544	38.273	ng	98
89) Benzo(k)fluoranthene	15.210	252	710438	39.341	ng	100
90) Benzo(a)pyrene	15.557	252	733915	39.362	ng	100
91) Dibenzo(a,h)anthracene	17.174	278	758585	39.900	ng	100
92) Benzo(g,h,i)perylene	17.621	276	736996	40.073	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

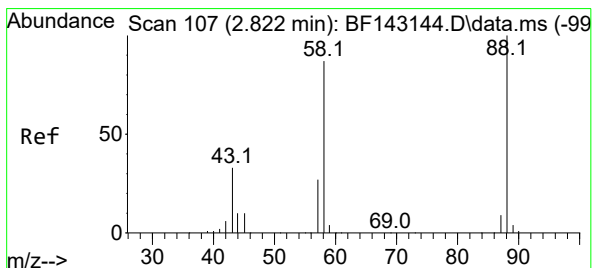
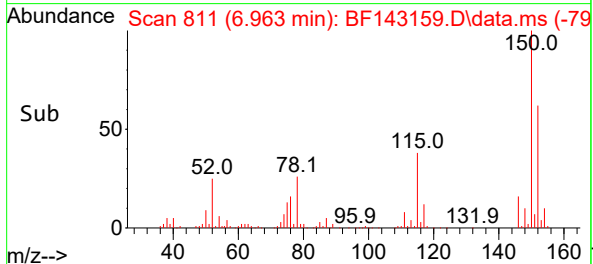
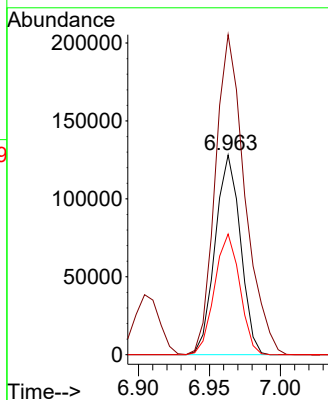
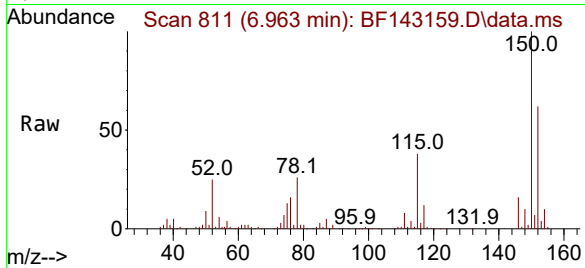
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

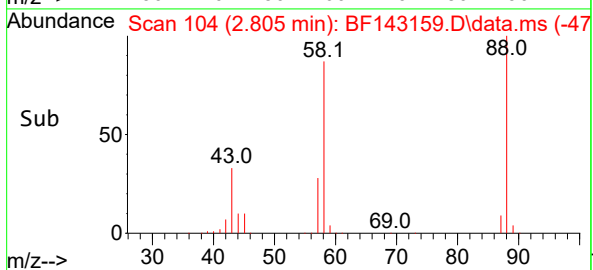
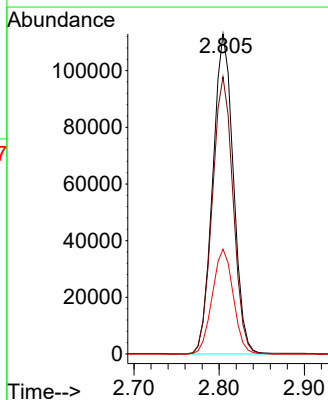
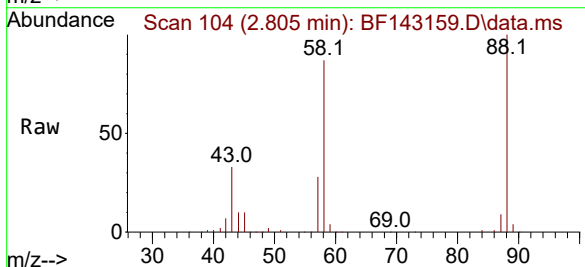
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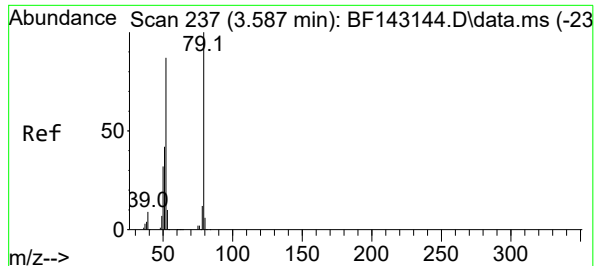
Tgt Ion:152 Resp: 158986
Ion Ratio Lower Upper
152 100
150 160.2 128.2 192.4
115 60.4 47.9 71.9



#2
1,4-Dioxane
Concen: 39.920 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion: 88 Resp: 189776
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.2
43 33.3 27.1 40.7

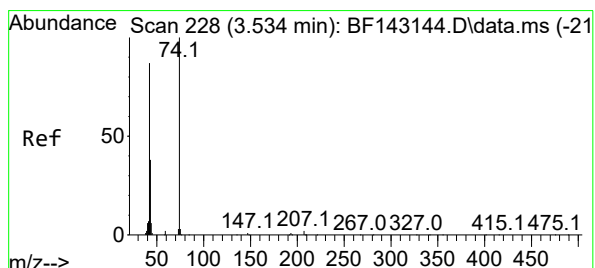
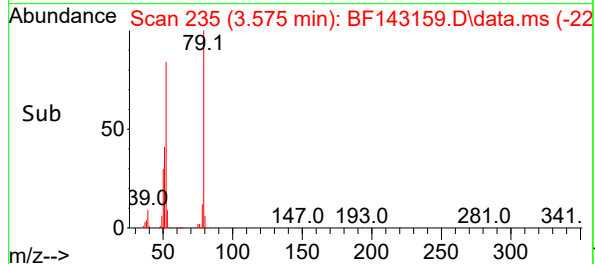
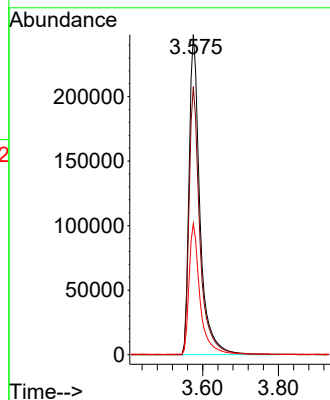
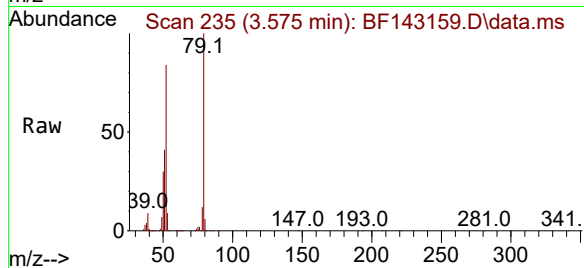




#3
Pyridine
Concen: 39.981 ng
RT: 3.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

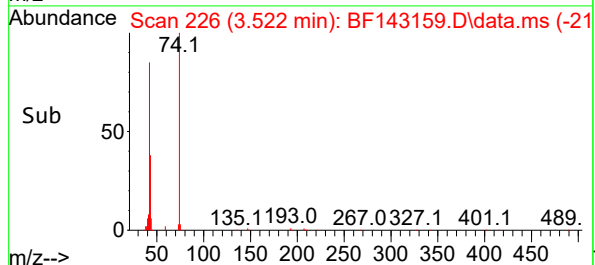
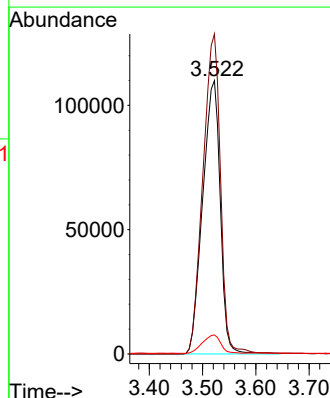
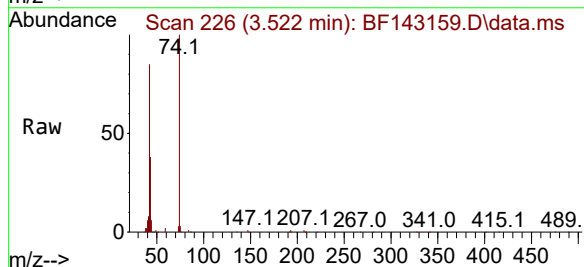
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

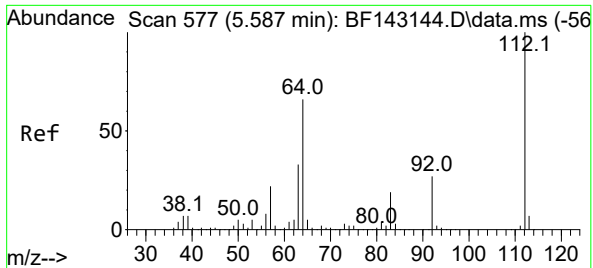
Tgt Ion: 79 Resp: 493326
Ion Ratio Lower Upper
79 100
52 83.8 69.4 104.2
51 40.9 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 39.530 ng
RT: 3.522 min Scan# 226
Delta R.T. -0.012 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion: 42 Resp: 251829
Ion Ratio Lower Upper
42 100
74 117.1 91.7 137.5
44 7.0 5.6 8.4

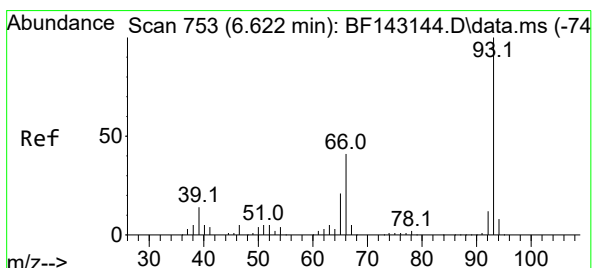
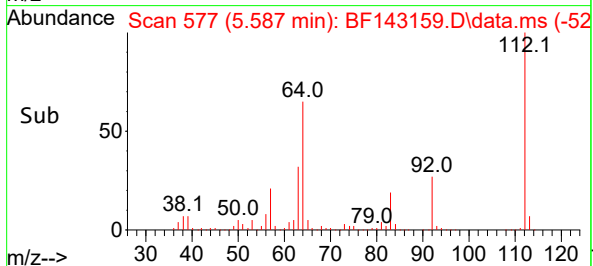
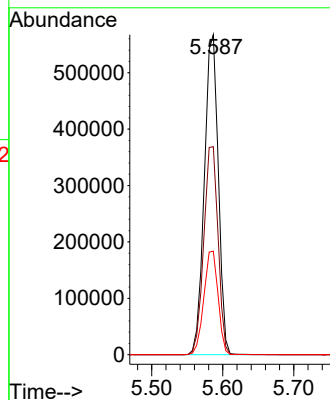
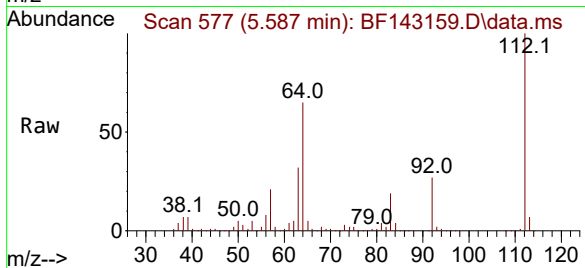




#5
2-Fluorophenol
Concen: 77.461 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

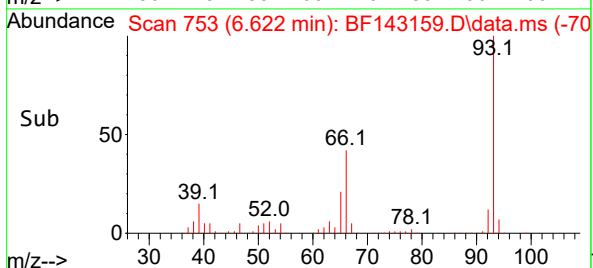
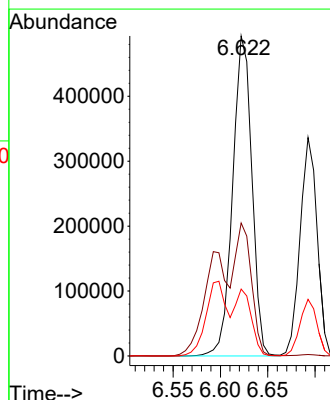
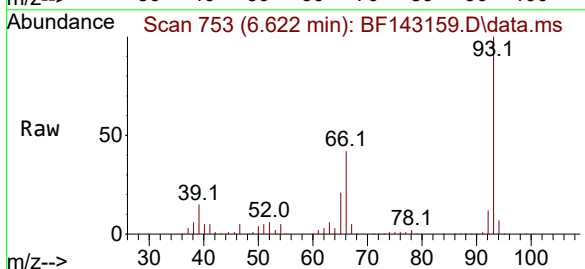
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ClientSampleId :
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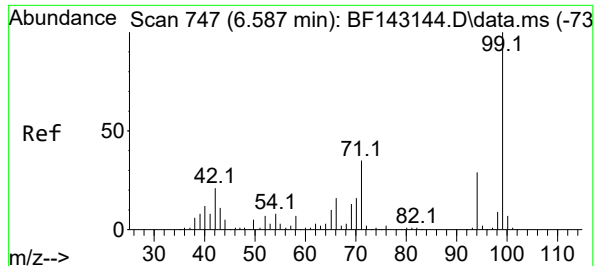
Tgt Ion:112 Resp: 778233
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.4 26.6 40.0



#6
Aniline
Concen: 39.412 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion: 93 Resp: 694602
Ion Ratio Lower Upper
93 100
66 41.6 33.2 49.8
65 20.9 16.9 25.3





#7

Phenol-d6

Concen: 78.369 ng

RT: 6.581 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

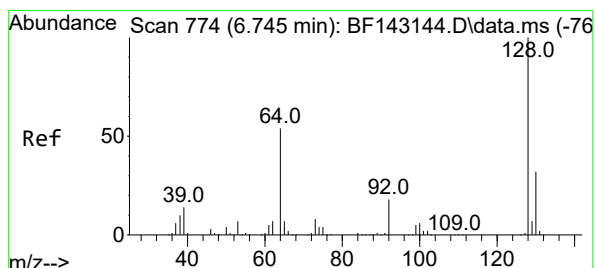
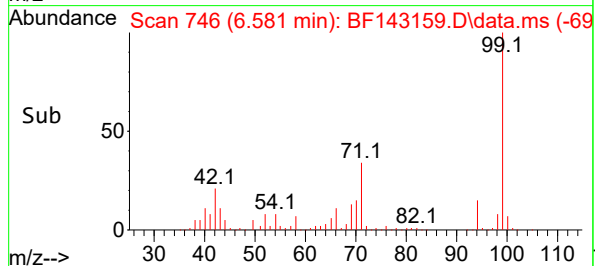
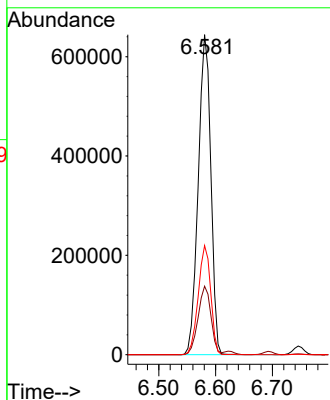
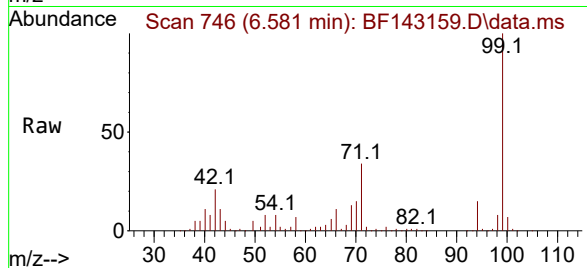
Tgt Ion: 99 Resp: 991026

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.6

71 34.1 27.7 41.5



#8

2-Chlorophenol

Concen: 39.499 ng

RT: 6.745 min Scan# 774

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

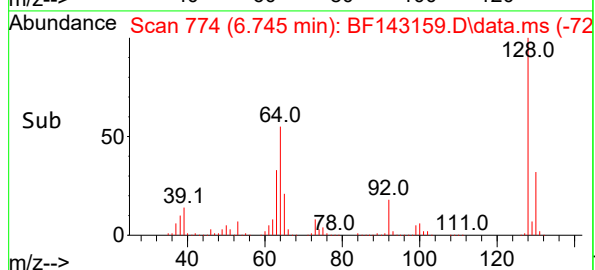
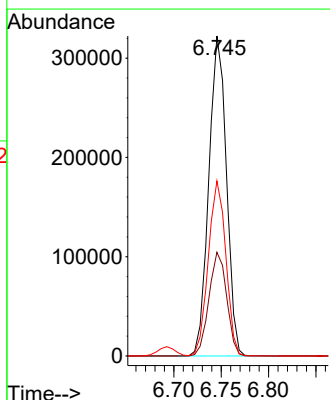
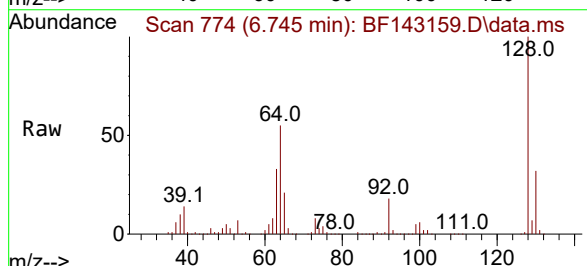
Tgt Ion:128 Resp: 415970

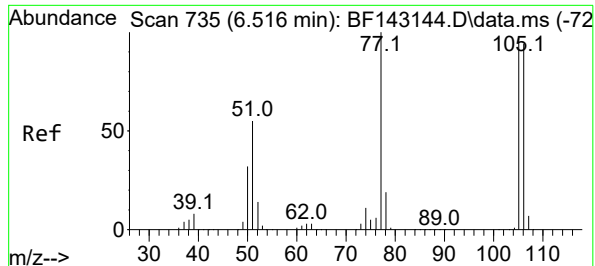
Ion Ratio Lower Upper

128 100

130 32.4 12.3 52.3

64 54.7 35.9 75.9

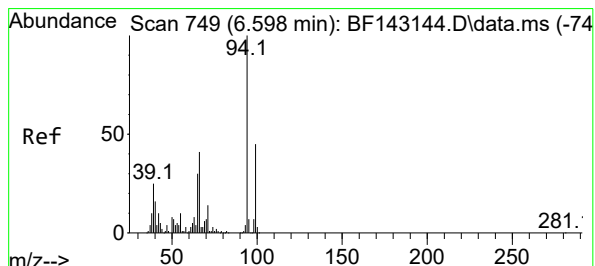
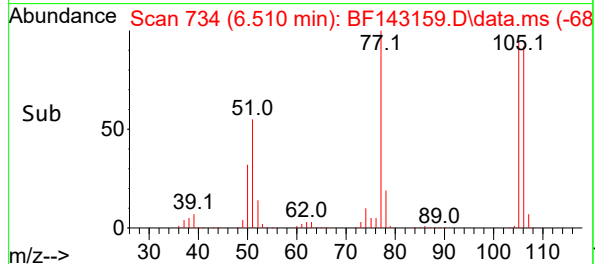
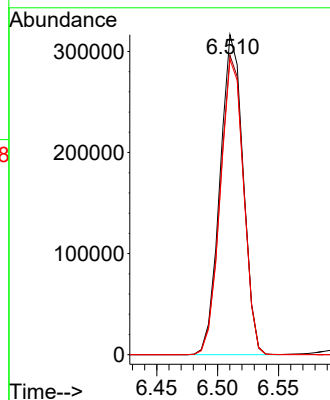
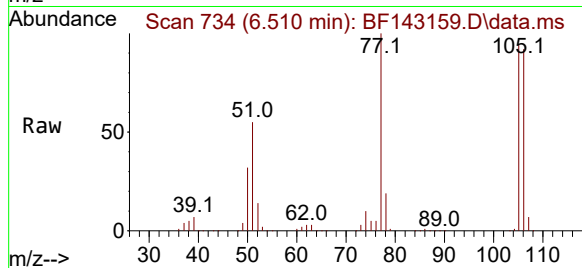




#9
Benzaldehyde
Concen: 44.083 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

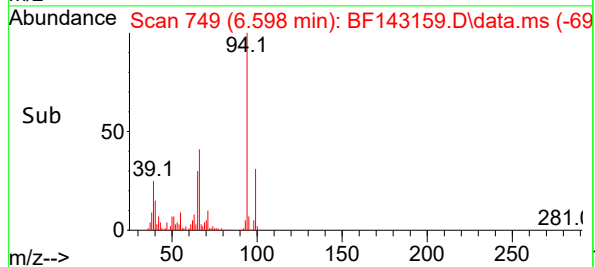
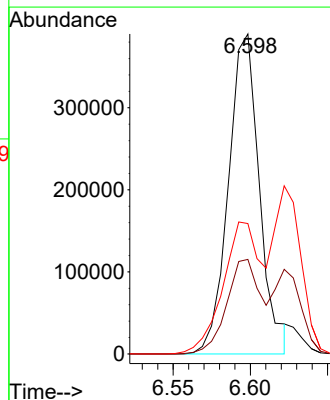
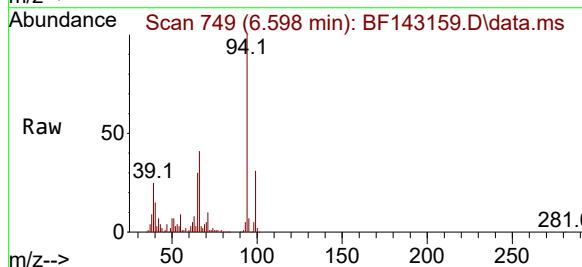
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

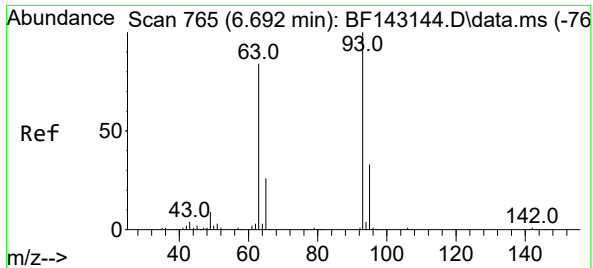
Tgt Ion: 77 Resp: 418013
Ion Ratio Lower Upper
77 100
105 93.6 76.8 116.8
106 92.3 74.4 114.4



#10
Phenol
Concen: 39.541 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion: 94 Resp: 544726
Ion Ratio Lower Upper
94 100
65 29.5 10.0 50.0
66 40.8 20.8 60.8

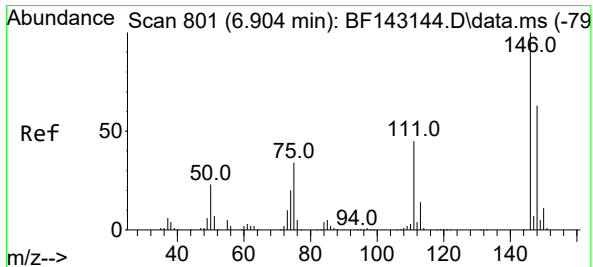
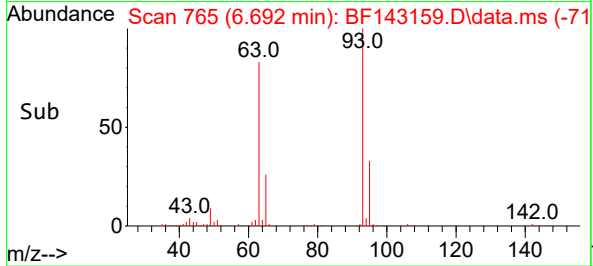
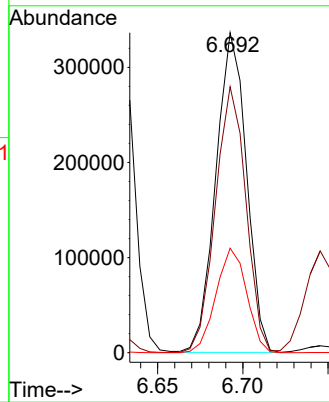
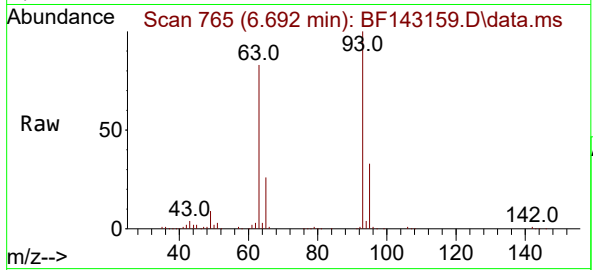




#11
bis(2-Chloroethyl)ether
Concen: 39.794 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

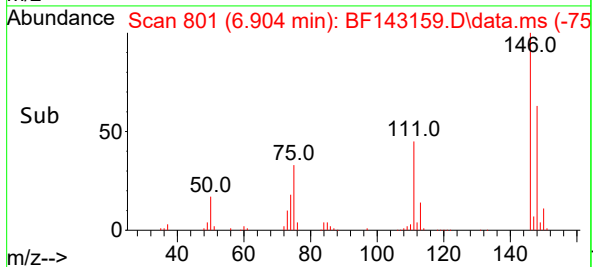
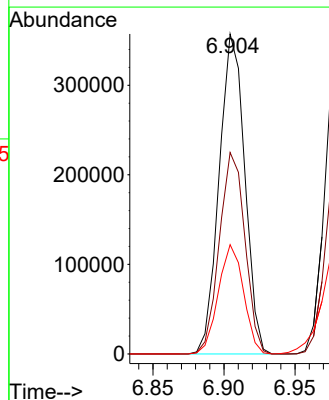
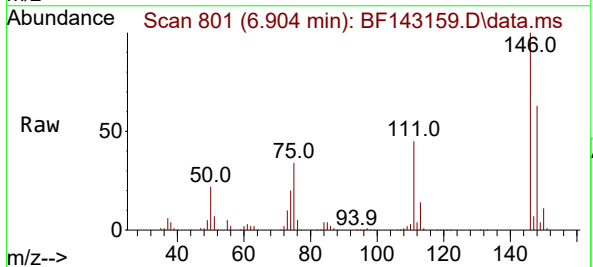
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

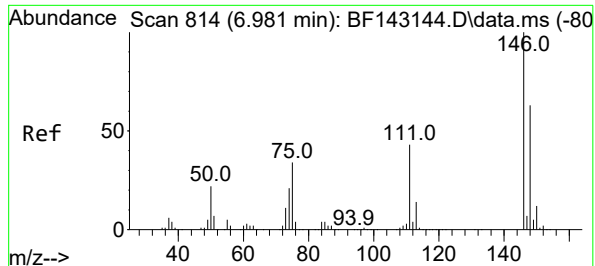
Tgt Ion: 93 Resp: 419746
Ion Ratio Lower Upper
93 100
63 83.1 63.4 103.4
95 32.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.128 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:146 Resp: 447626
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
75 34.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.021 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

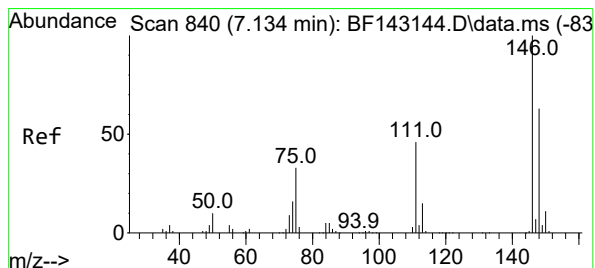
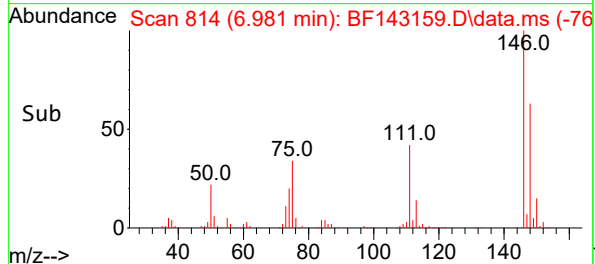
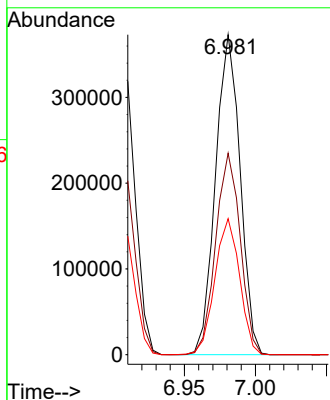
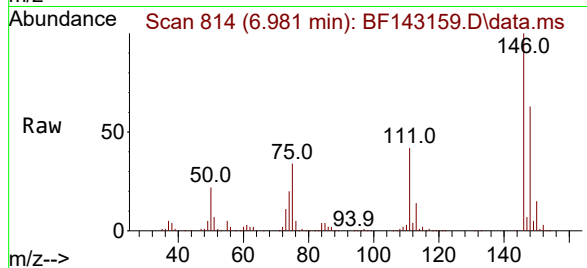
Tgt Ion:146 Resp: 449558

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

111 42.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.500 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

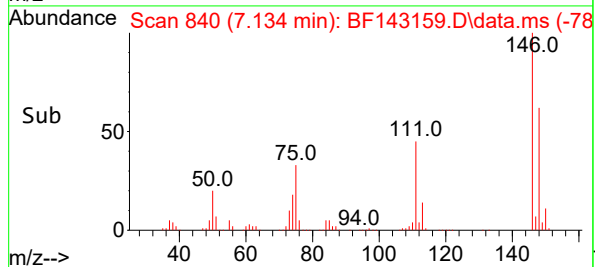
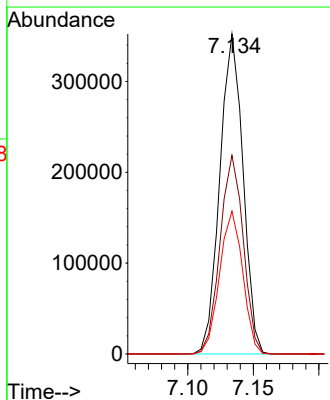
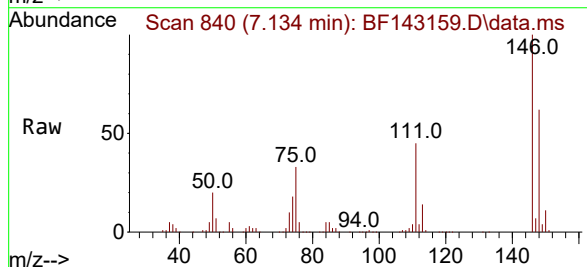
Tgt Ion:146 Resp: 432823

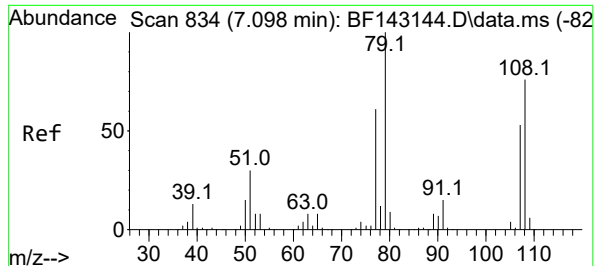
Ion Ratio Lower Upper

146 100

148 62.0 50.7 76.1

111 44.6 36.6 54.8





#15

Benzyl Alcohol

Concen: 39.318 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

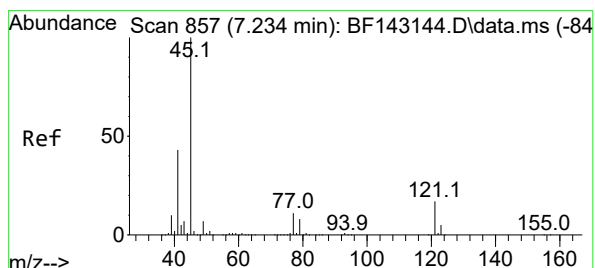
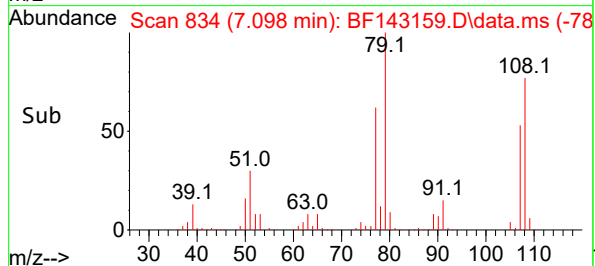
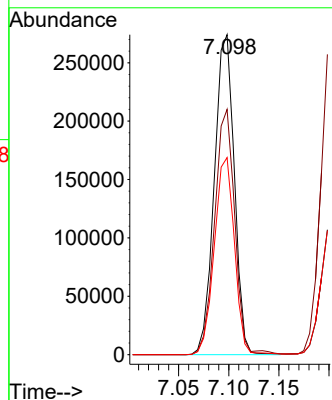
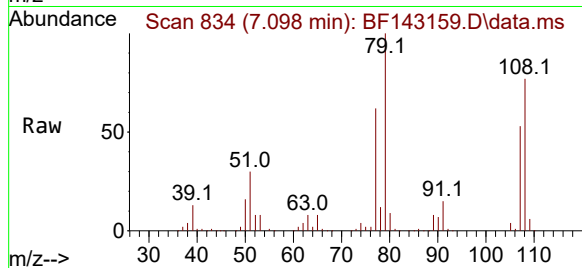
Tgt Ion: 79 Resp: 379636

Ion Ratio Lower Upper

79 100

108 76.6 61.1 91.7

77 61.6 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.828 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

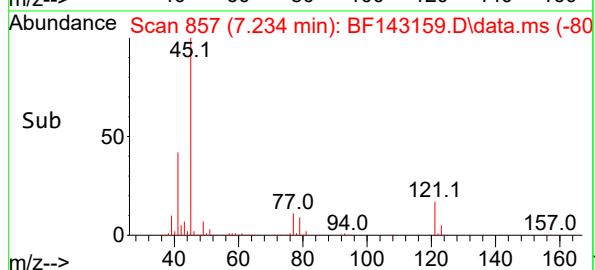
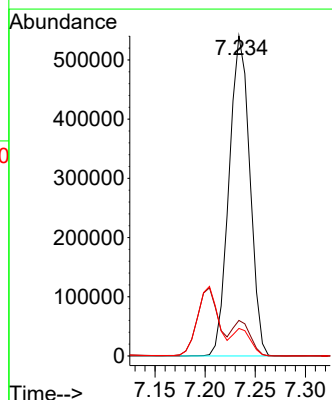
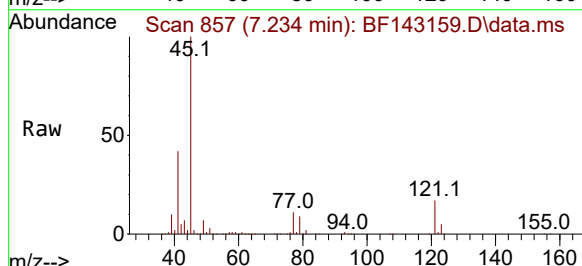
Tgt Ion: 45 Resp: 779314

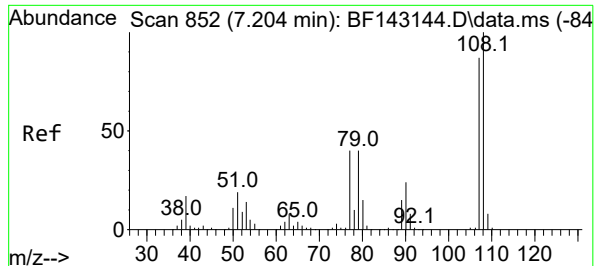
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.2

79 8.6 0.0 28.5

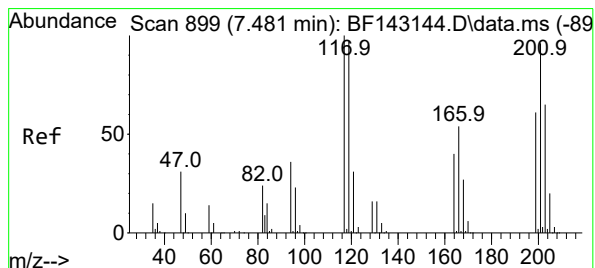
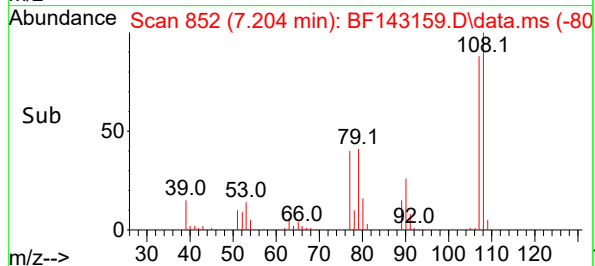
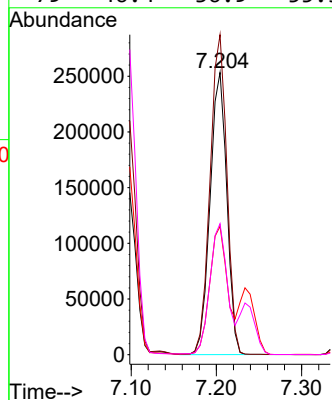
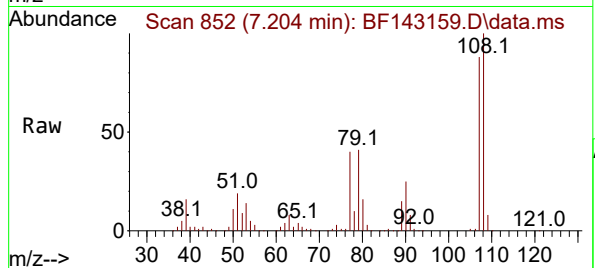




#17
2-Methylphenol
Concen: 39.132 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

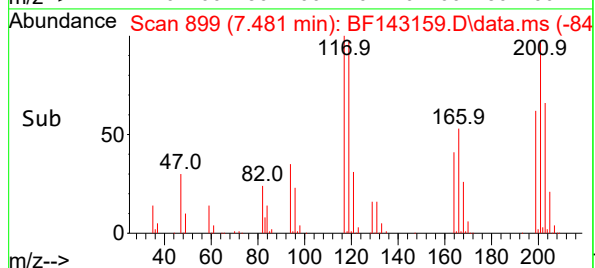
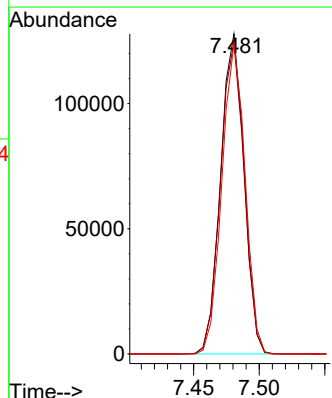
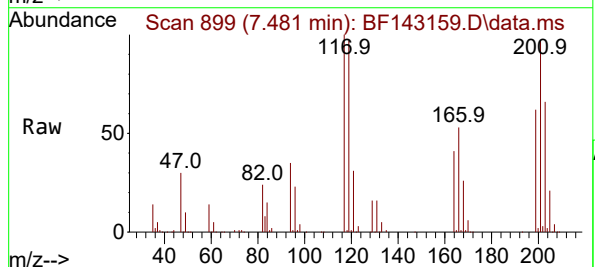
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

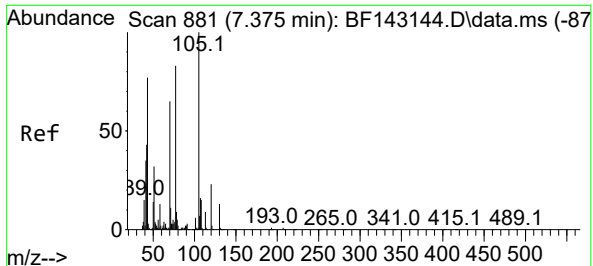
Tgt Ion:107 Resp: 346501
Ion Ratio Lower Upper
107 100
108 113.4 91.8 137.6
77 45.5 37.0 55.6
79 46.4 36.9 55.3



#18
Hexachloroethane
Concen: 39.782 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:117 Resp: 158665
Ion Ratio Lower Upper
117 100
119 97.5 77.8 116.8
201 96.9 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.640 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 313487

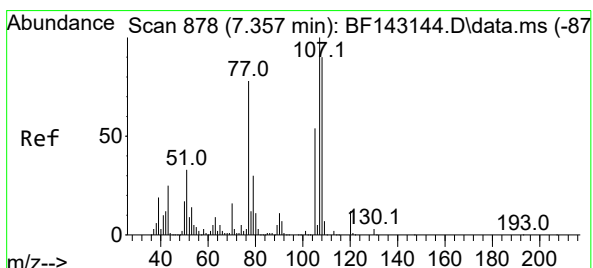
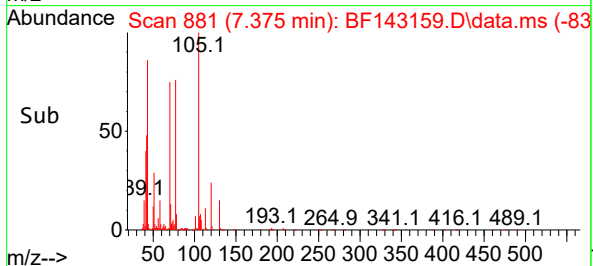
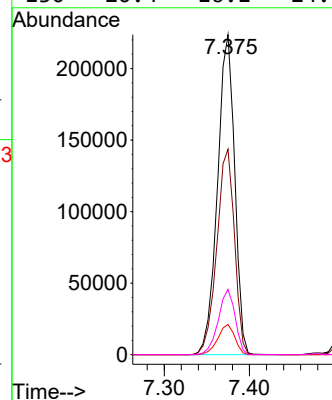
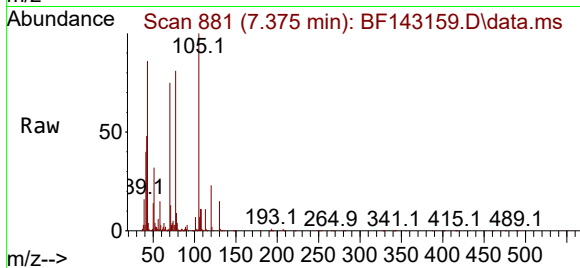
Ion Ratio Lower Upper

70 100

42 64.2 52.5 78.7

101 9.4 7.6 11.4

130 20.4 16.1 24.1



#20

3+4-Methylphenols

Concen: 39.947 ng

RT: 7.357 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Tgt Ion: 107 Resp: 429153

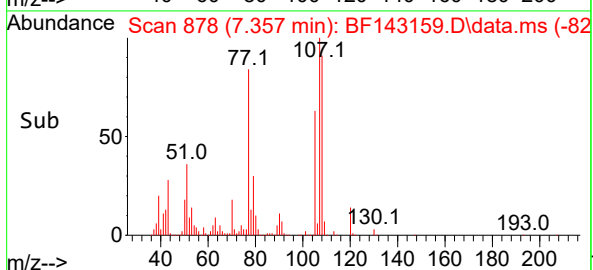
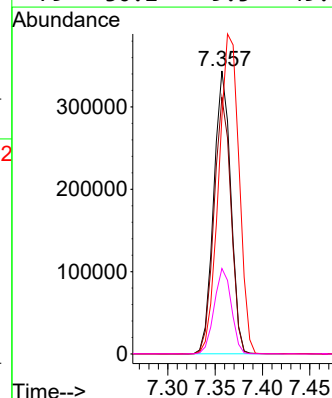
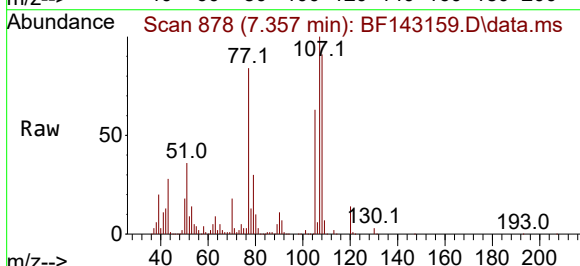
Ion Ratio Lower Upper

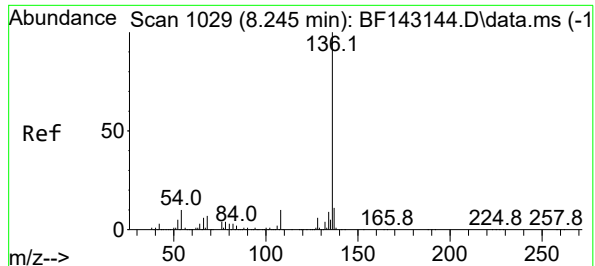
107 100

108 90.7 70.0 110.0

77 83.7 57.8 97.8

79 30.2 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143159.D

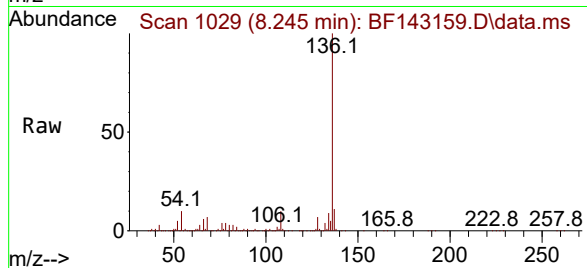
Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 609943

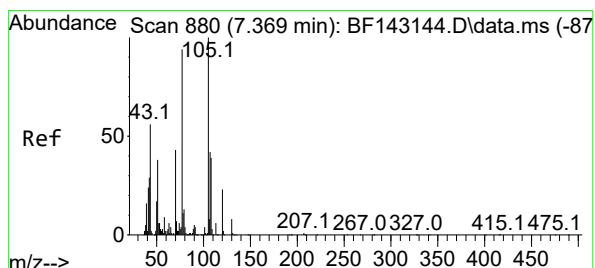
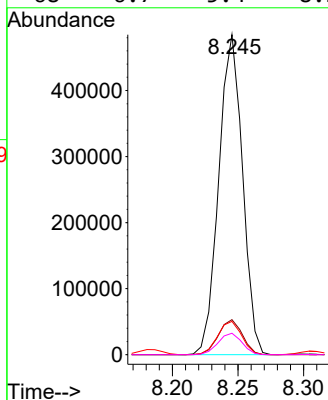
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.4 8.2 12.2

68 6.7 5.4 8.2



#22

Acetophenone

Concen: 38.543 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Tgt Ion:105 Resp: 556574

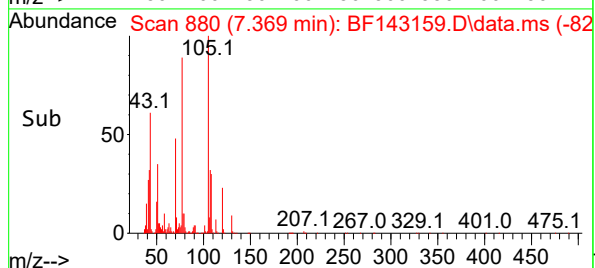
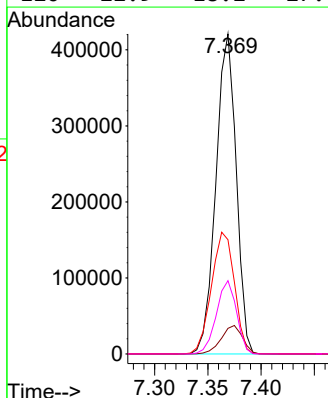
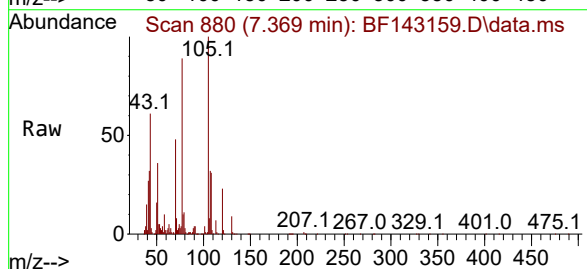
Ion Ratio Lower Upper

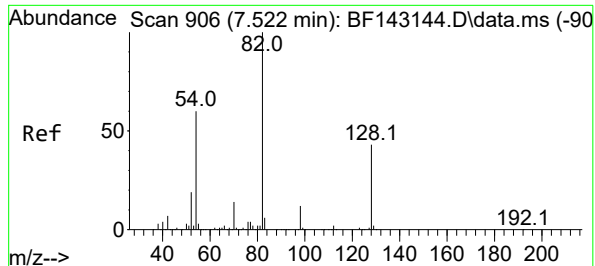
105 100

71 8.0 5.8 8.6

51 35.7 30.2 45.2

120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 81.865 ng

RT: 7.522 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

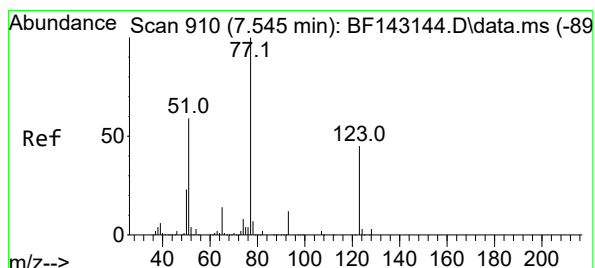
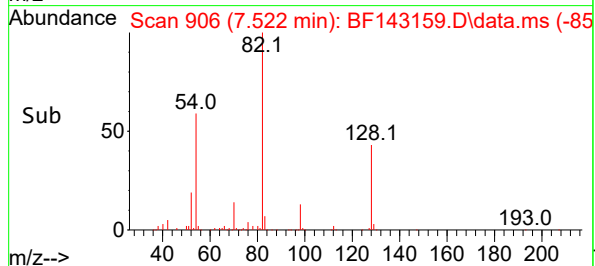
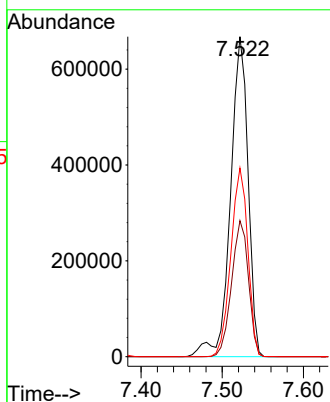
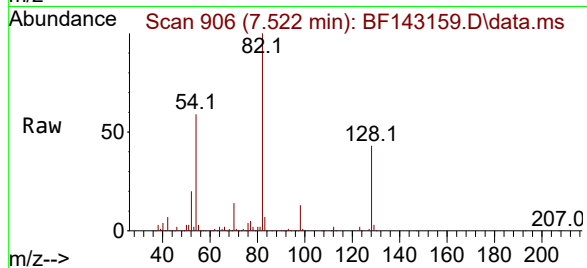
Tgt Ion: 82 Resp: 1001726

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 59.0 47.1 70.7



#24

Nitrobenzene

Concen: 40.238 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

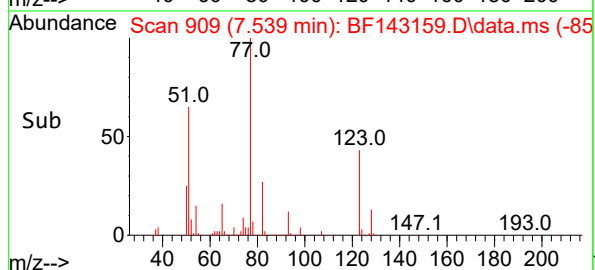
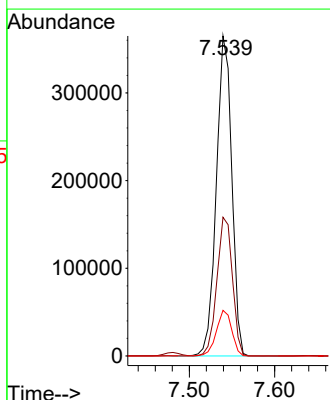
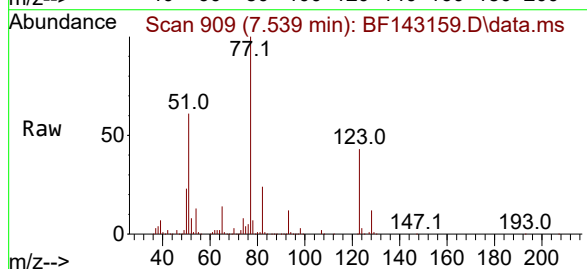
Tgt Ion: 77 Resp: 459039

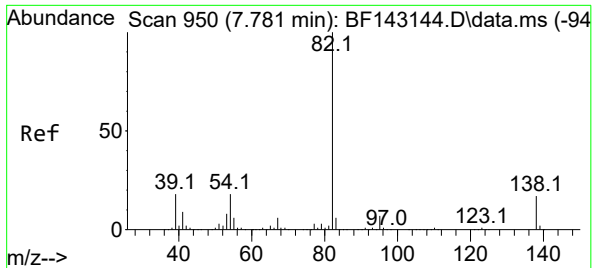
Ion Ratio Lower Upper

77 100

123 43.3 36.1 54.1

65 14.2 11.4 17.2

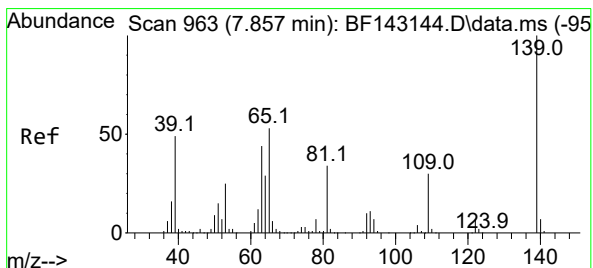
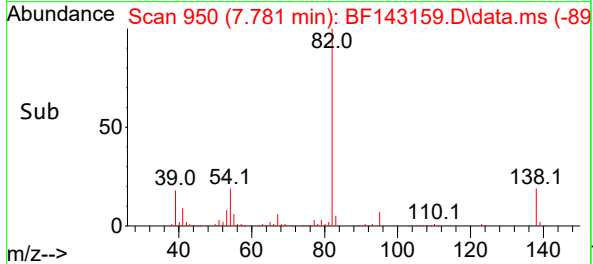
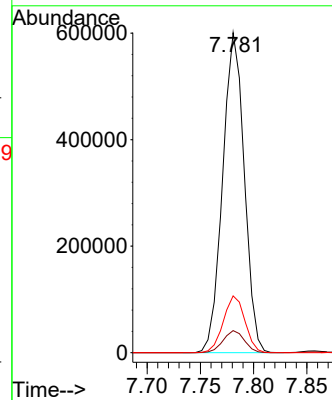
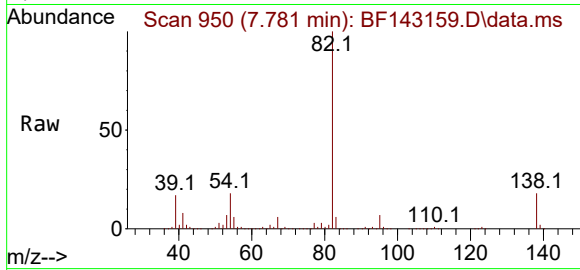




#25
Isophorone
Concen: 39.206 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

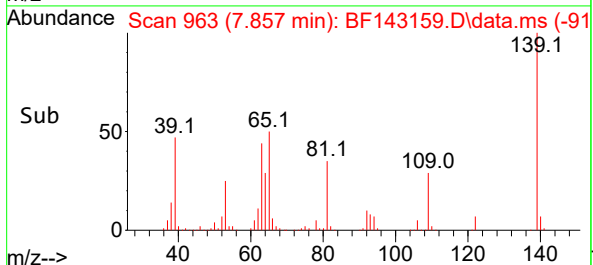
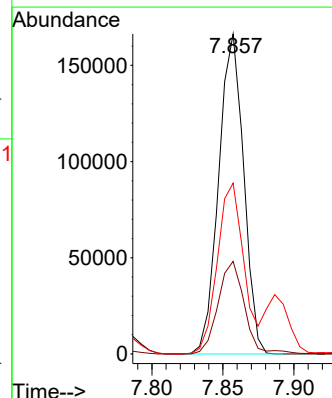
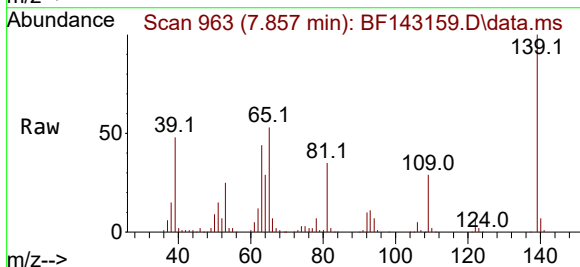
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

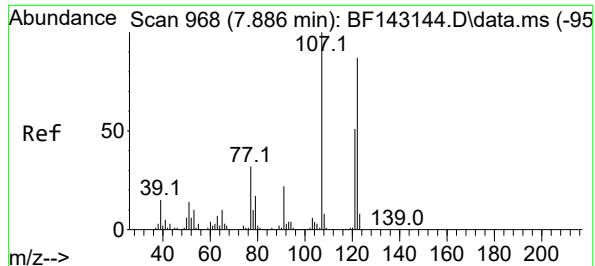
Tgt Ion:	82	Resp:	846892
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.5	8.3
138	17.7	13.8	20.8



#26
2-Nitrophenol
Concen: 41.068 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:	139	Resp:	203329
Ion Ratio	Lower	Upper	
139	100		
109	28.9	23.6	35.4
65	53.4	42.6	64.0





#27

2,4-Dimethylphenol

Concen: 39.035 ng

RT: 7.887 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

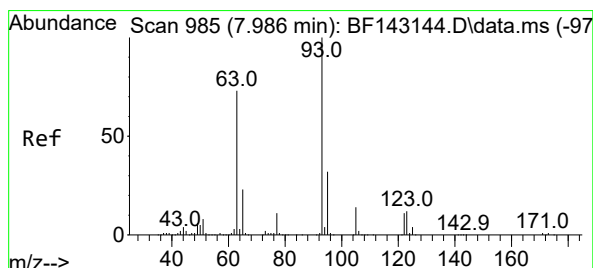
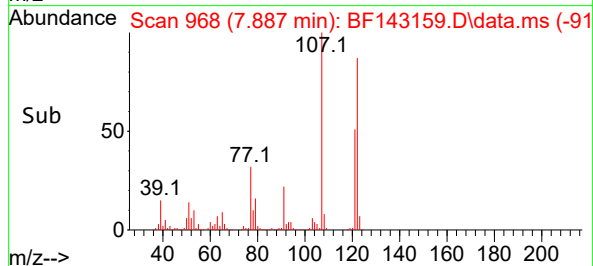
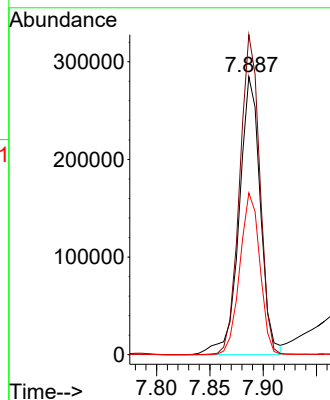
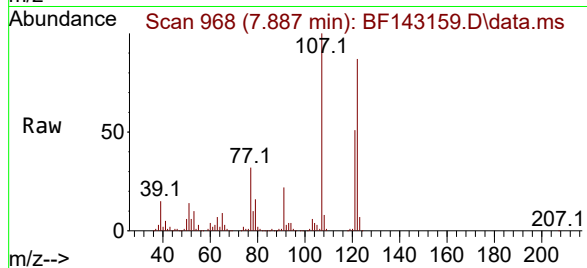
Tgt Ion:122 Resp: 393950

Ion Ratio Lower Upper

122 100

107 115.1 91.8 137.6

121 58.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.942 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

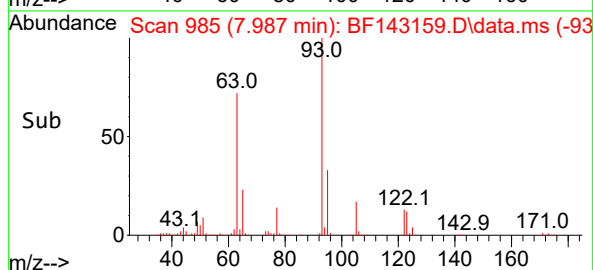
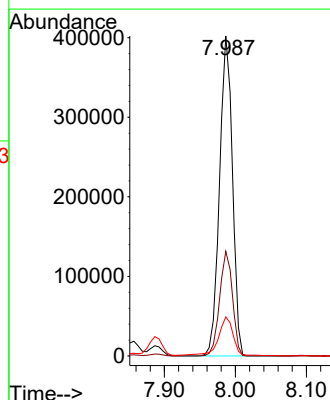
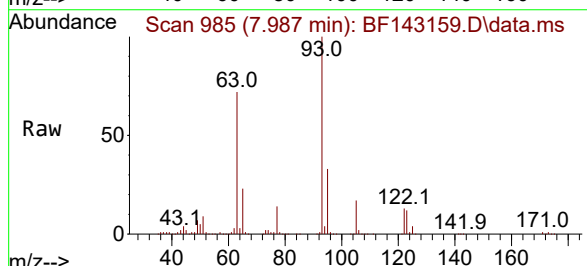
Tgt Ion: 93 Resp: 504354

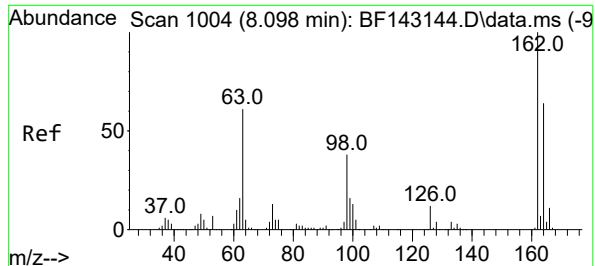
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.173 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

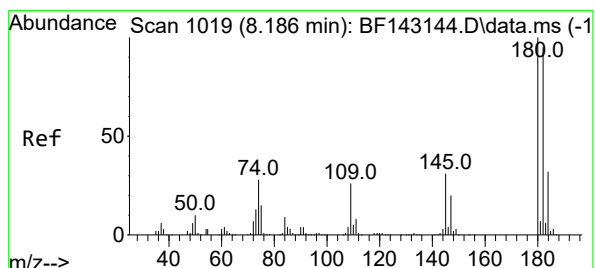
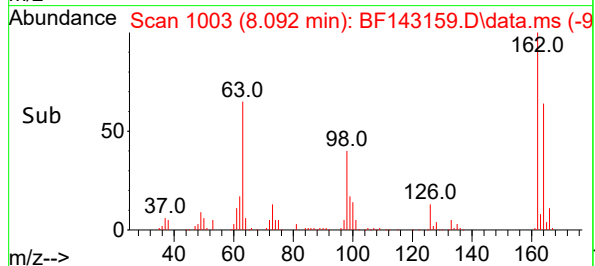
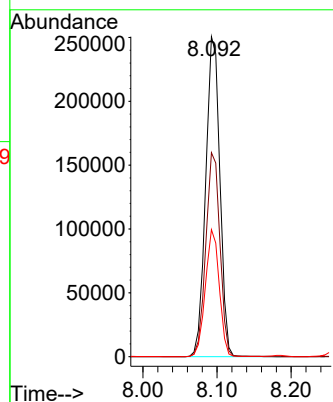
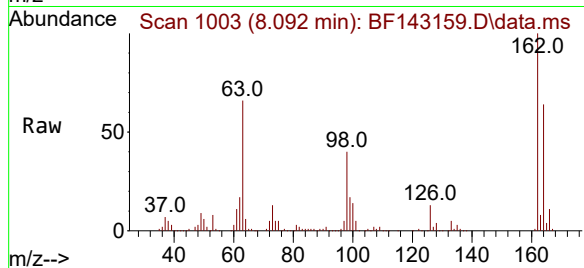
Tgt Ion:162 Resp: 333406

Ion Ratio Lower Upper

162 100

164 63.8 44.2 84.2

98 39.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 39.212 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

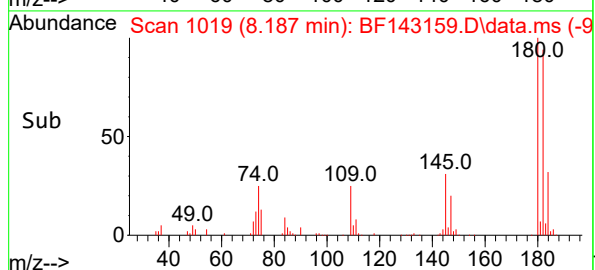
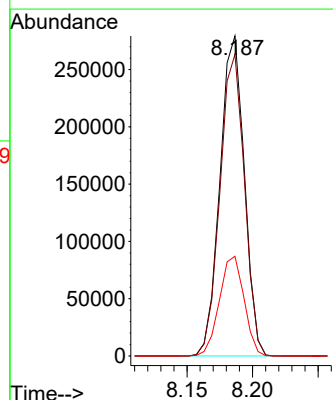
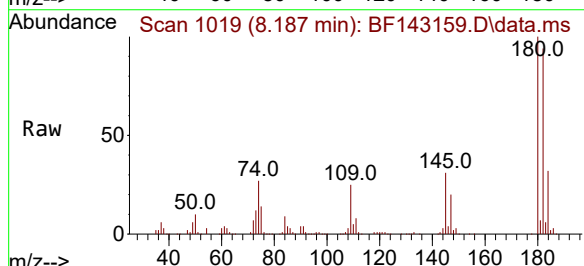
Tgt Ion:180 Resp: 360548

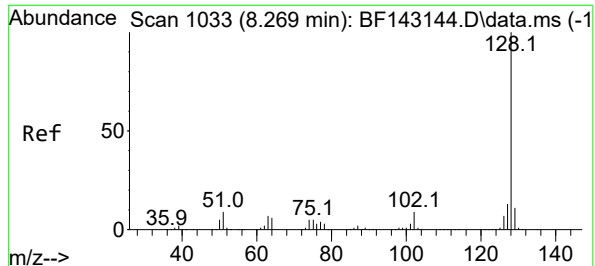
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.2

145 31.2 25.0 37.6





#31

Naphthalene

Concen: 38.699 ng

RT: 8.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

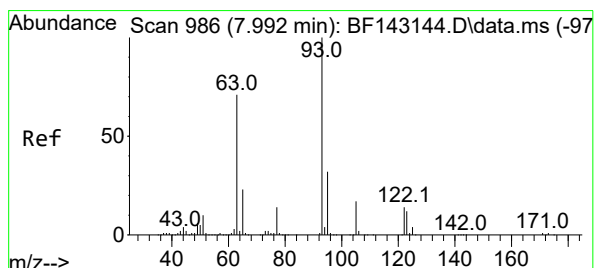
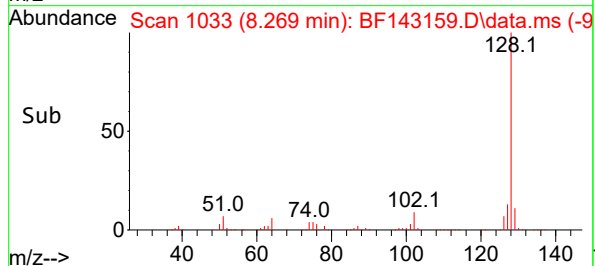
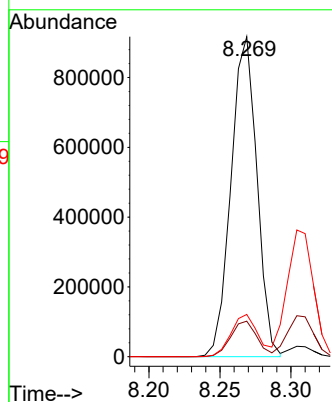
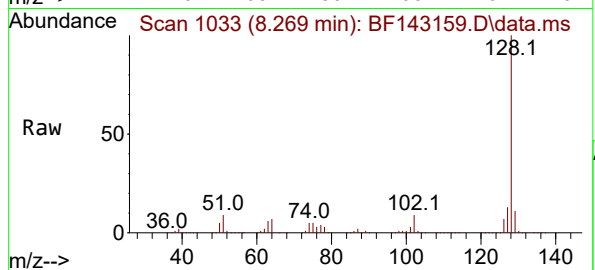
Tgt Ion:128 Resp: 1162476

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 37.681 ng

RT: 7.987 min Scan# 985

Delta R.T. -0.005 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

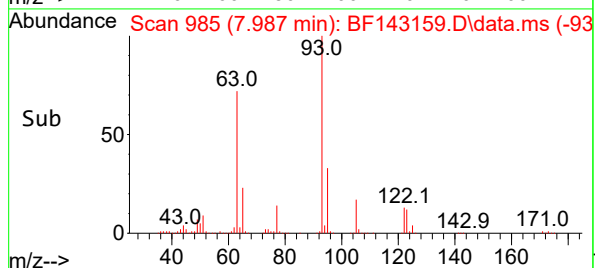
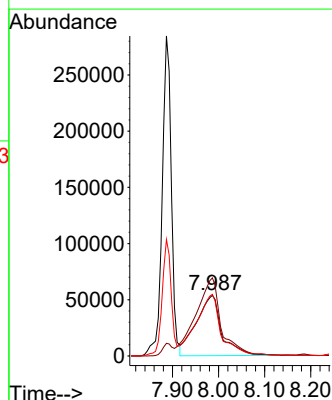
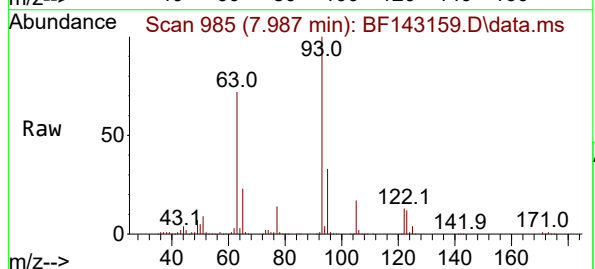
Tgt Ion:122 Resp: 207123

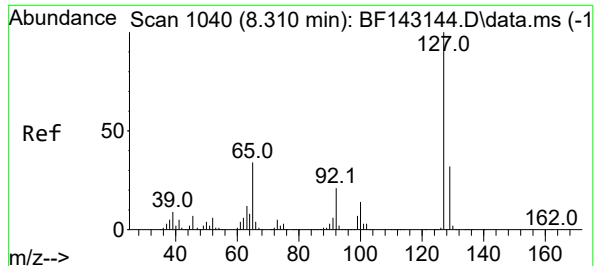
Ion Ratio Lower Upper

122 100

105 128.8 104.8 144.8

77 101.5 77.6 117.6





#33

4-Chloroaniline

Concen: 38.494 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 472144

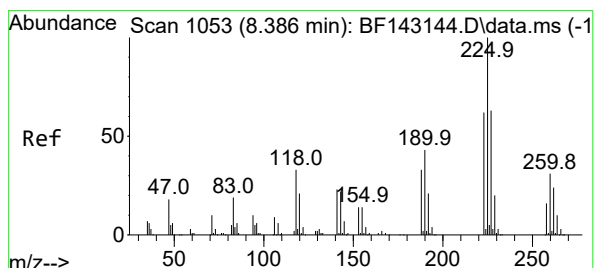
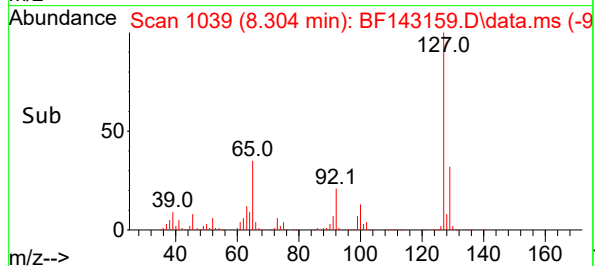
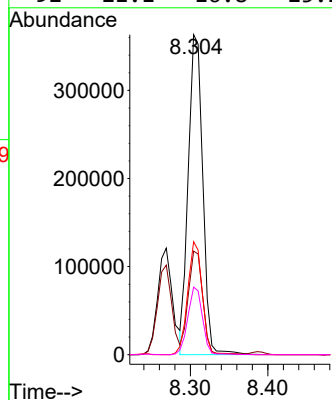
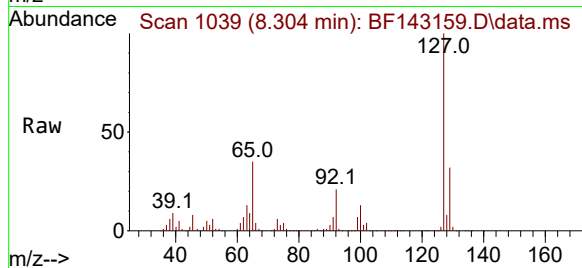
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 35.3 27.4 41.2

92 21.1 16.8 25.2



#34

Hexachlorobutadiene

Concen: 39.494 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

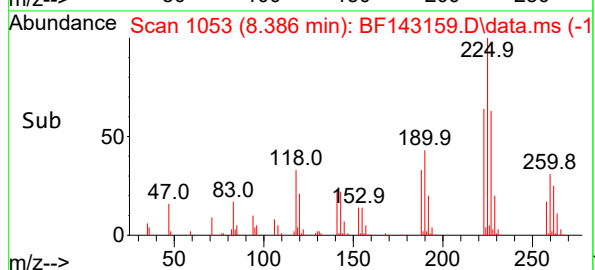
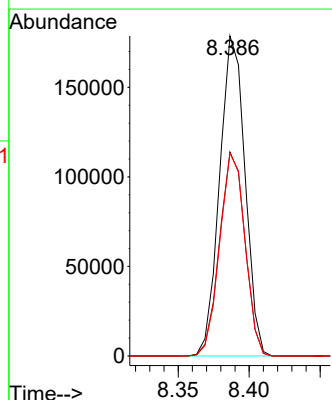
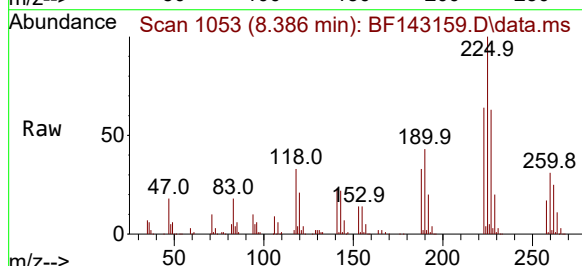
Tgt Ion:225 Resp: 221836

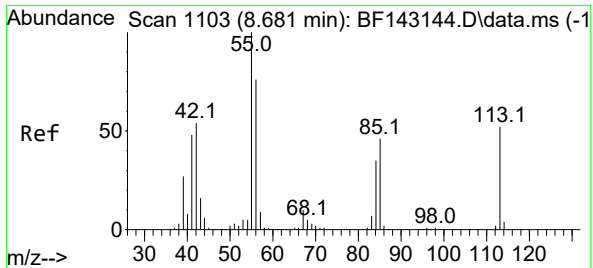
Ion Ratio Lower Upper

225 100

223 63.7 49.8 74.6

227 63.4 50.2 75.4

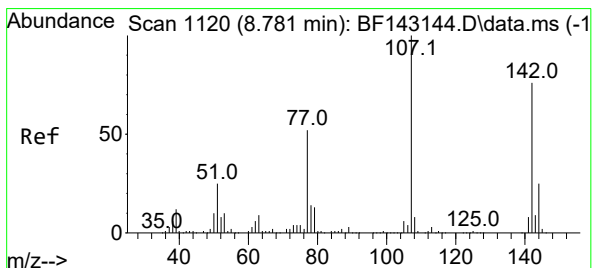
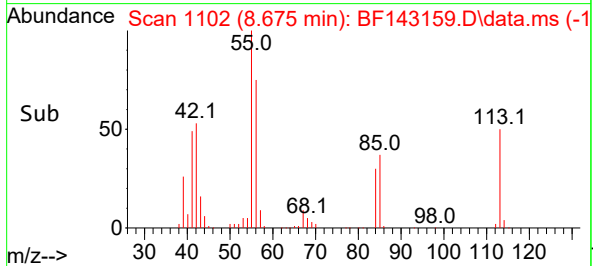
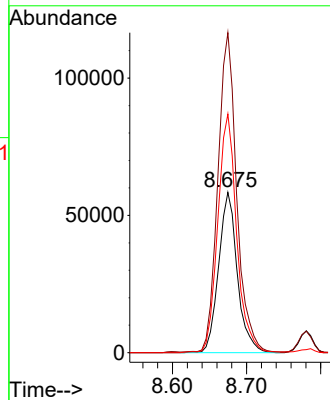
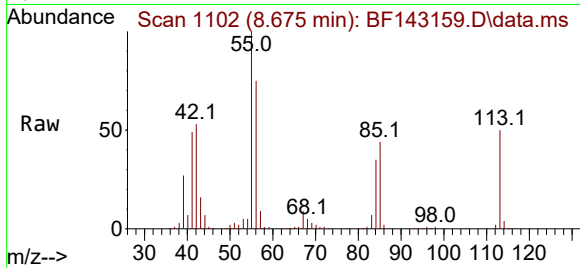




#35
 Caprolactam
 Concen: 39.775 ng
 RT: 8.675 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF143159.D
 Acq: 18 Jul 2025 11:24

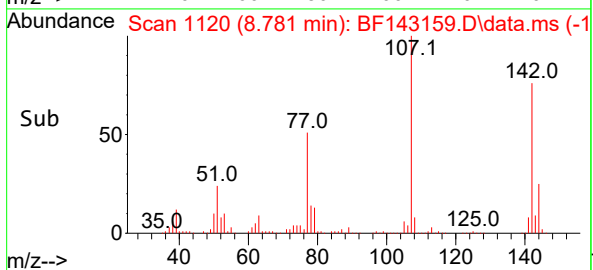
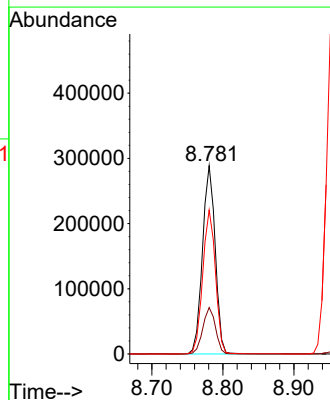
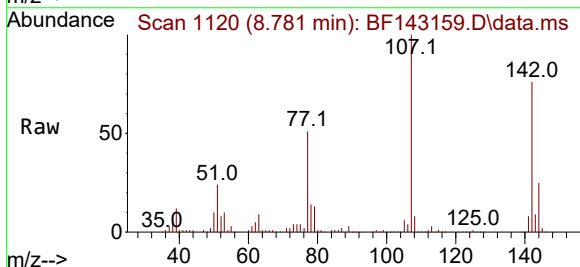
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

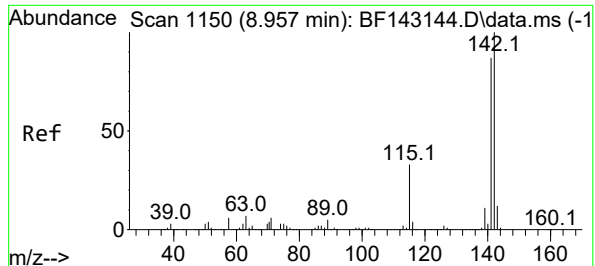
Tgt Ion:113 Resp: 102297
 Ion Ratio Lower Upper
 113 100
 55 199.5 174.0 214.0
 56 148.8 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 39.087 ng
 RT: 8.781 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: BF143159.D
 Acq: 18 Jul 2025 11:24

Tgt Ion:107 Resp: 361586
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.6
 142 76.5 60.6 90.8

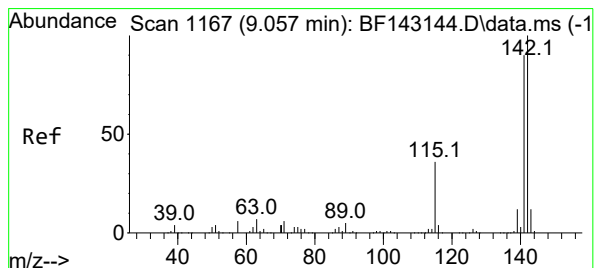
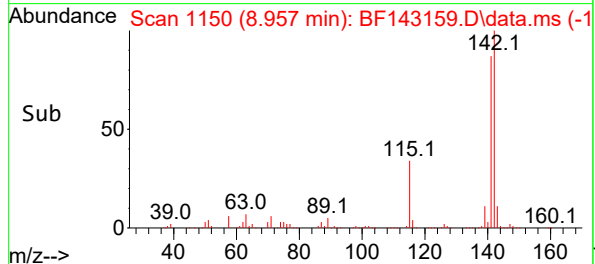
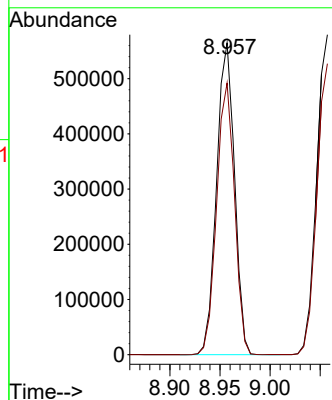
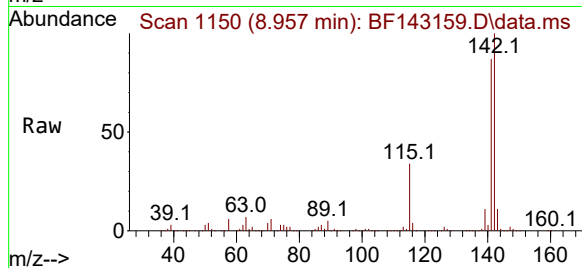




#37
2-Methylnaphthalene
Concen: 38.372 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

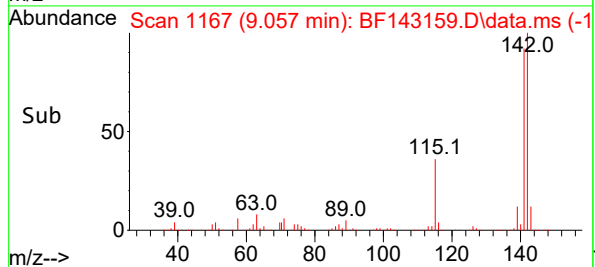
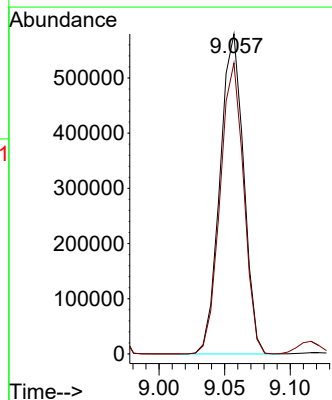
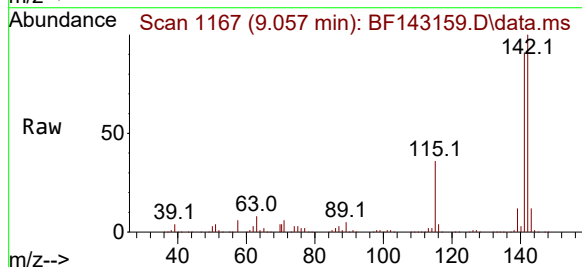
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

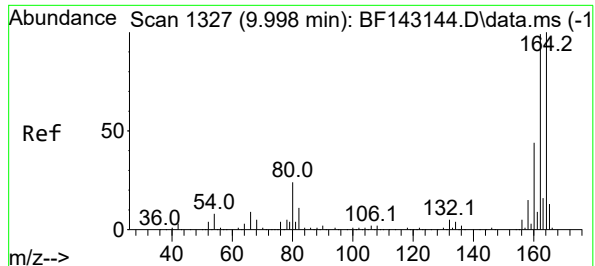
Tgt Ion:142 Resp: 701400
Ion Ratio Lower Upper
142 100
141 87.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 38.636 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:142 Resp: 727247
Ion Ratio Lower Upper
142 100
141 91.0 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

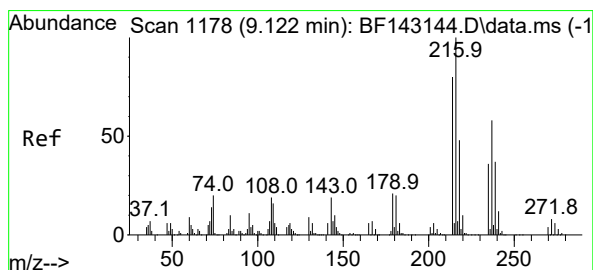
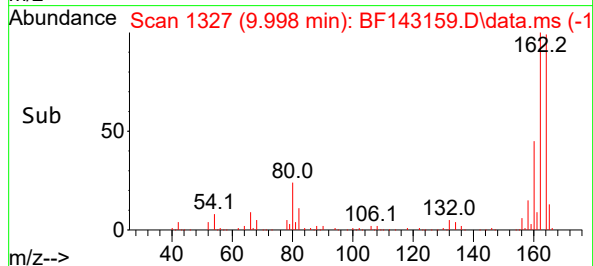
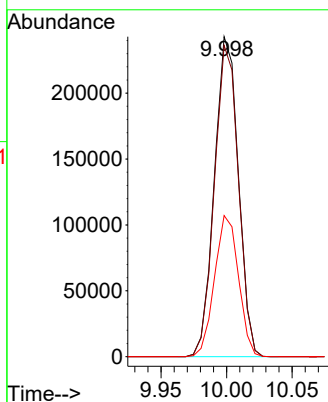
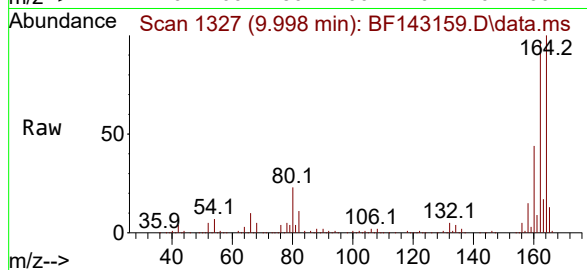
Tgt Ion:164 Resp: 308568

Ion Ratio Lower Upper

164 100

162 97.3 79.0 118.6

160 44.1 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.031 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Tgt Ion:216 Resp: 347715

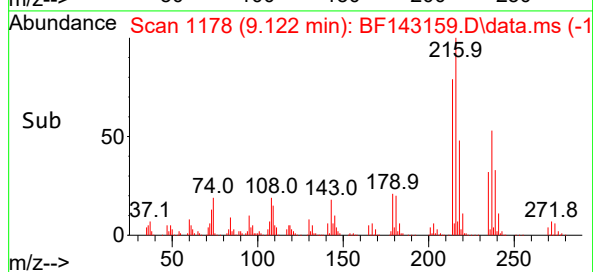
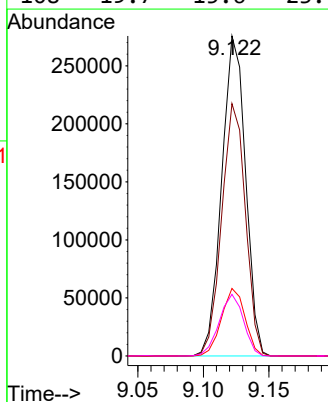
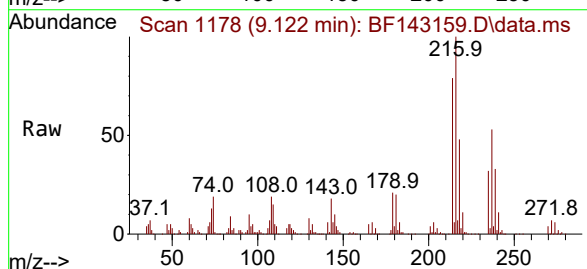
Ion Ratio Lower Upper

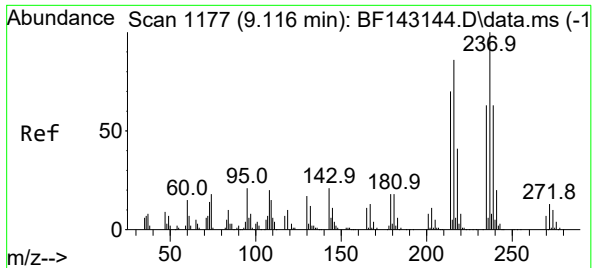
216 100

214 78.5 63.8 95.8

179 20.9 16.4 24.6

108 19.7 15.6 23.4

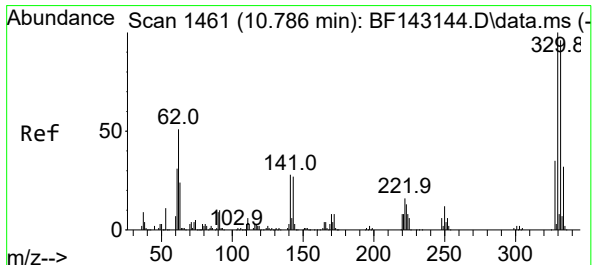
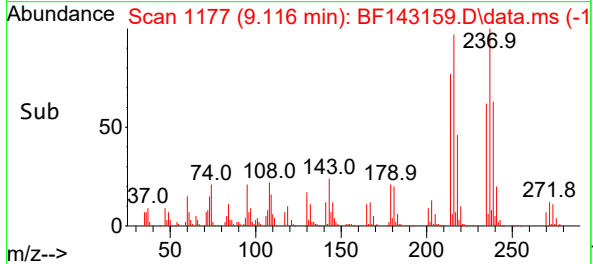
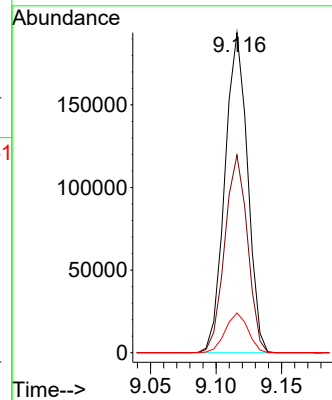
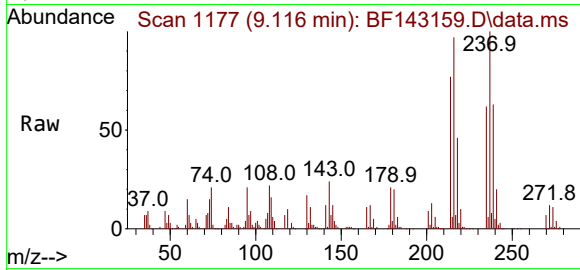




#41
Hexachlorocyclopentadiene
Concen: 40.056 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

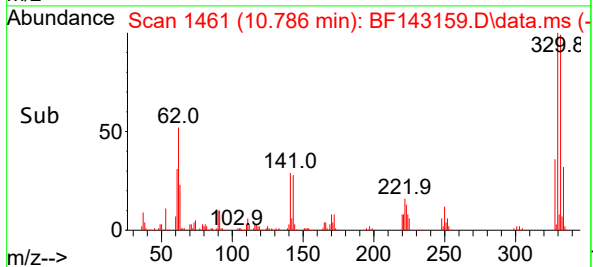
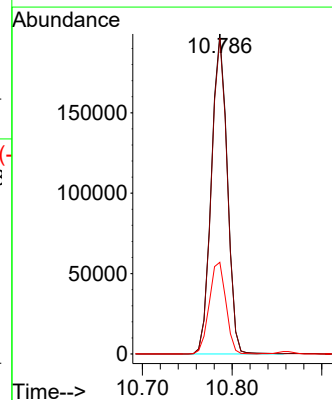
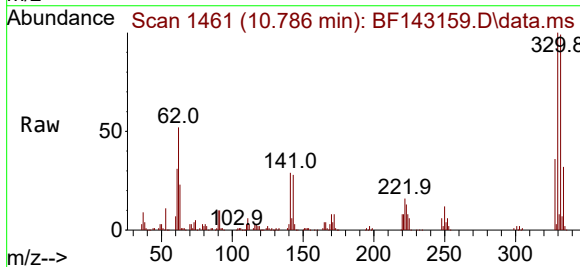
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

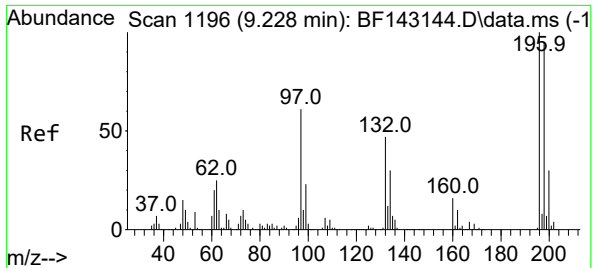
Tgt Ion: 237 Resp: 232191
Ion Ratio Lower Upper
237 100
235 61.7 43.0 83.0
272 12.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 76.741 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion: 330 Resp: 244627
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 30.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.663 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

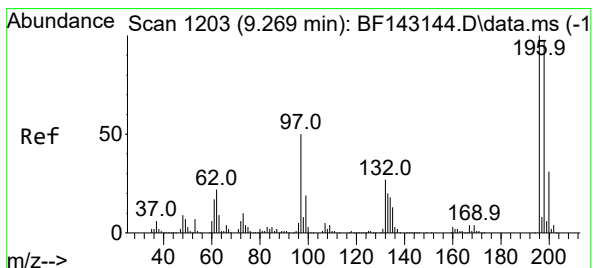
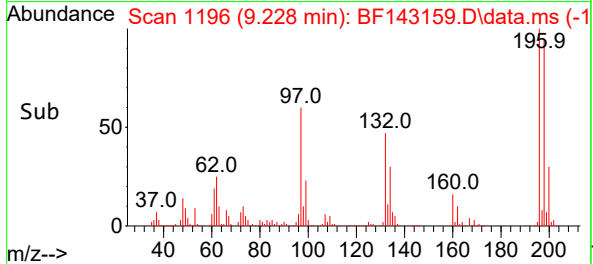
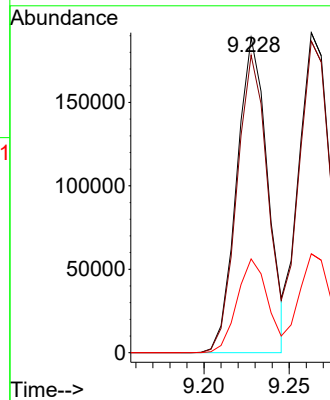
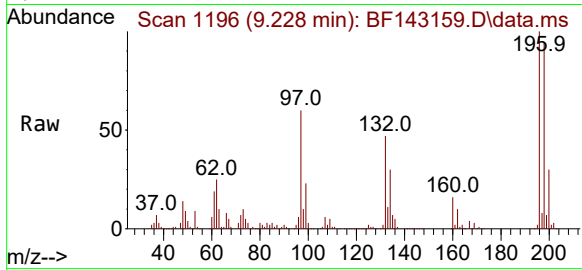
Tgt Ion:196 Resp: 238377

Ion Ratio Lower Upper

196 100

198 94.4 76.2 114.2

200 29.8 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 39.814 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Tgt Ion:196 Resp: 245550

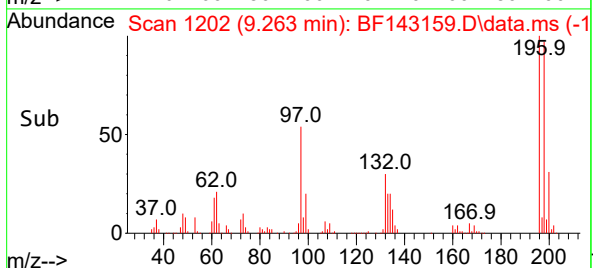
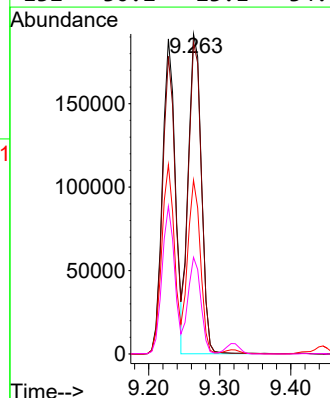
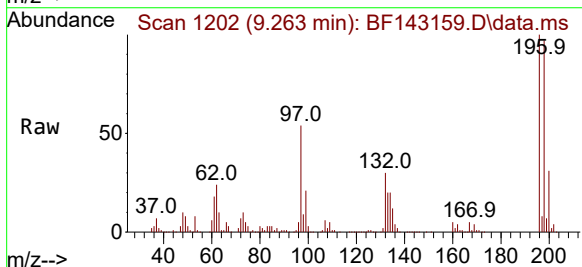
Ion Ratio Lower Upper

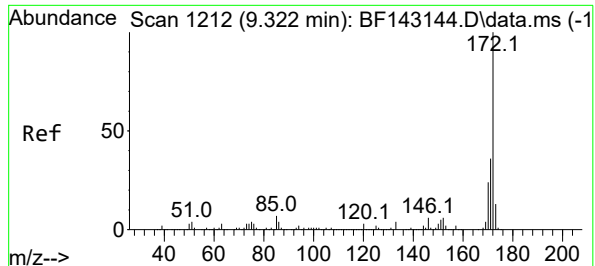
196 100

198 97.4 77.3 115.9

97 54.3 40.3 60.5

132 30.2 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 75.119 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

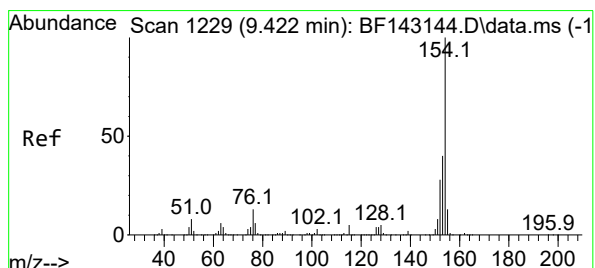
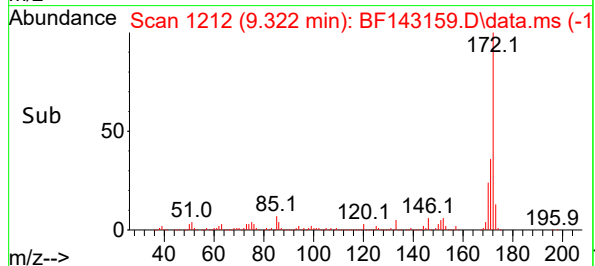
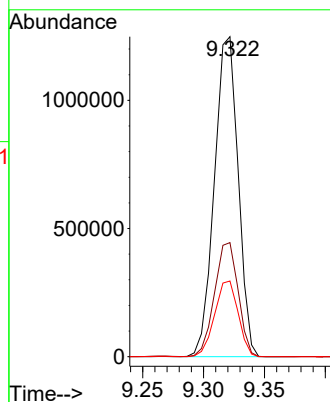
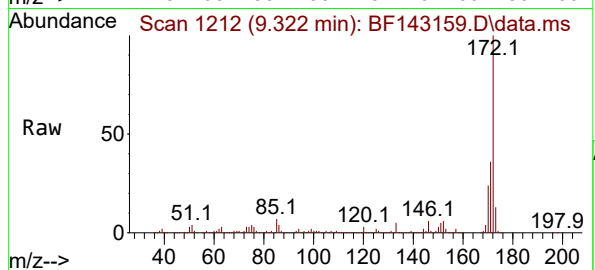
Tgt Ion:172 Resp: 1694866

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.317 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

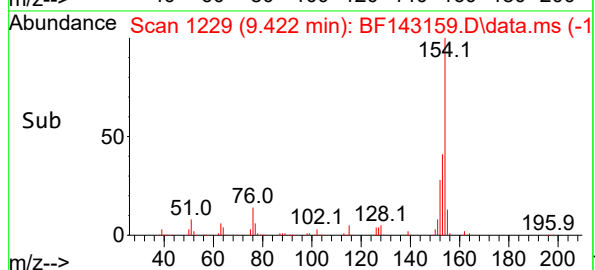
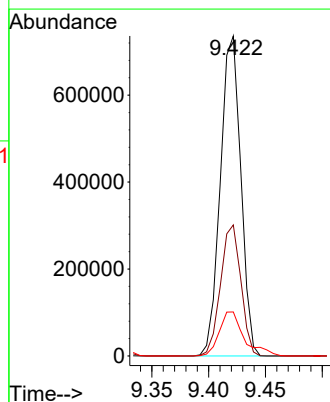
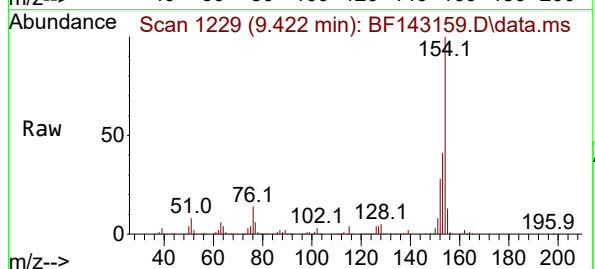
Tgt Ion:154 Resp: 922458

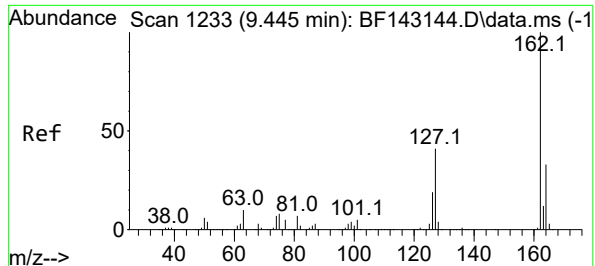
Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.940 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

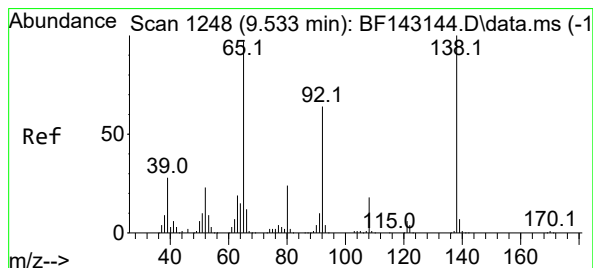
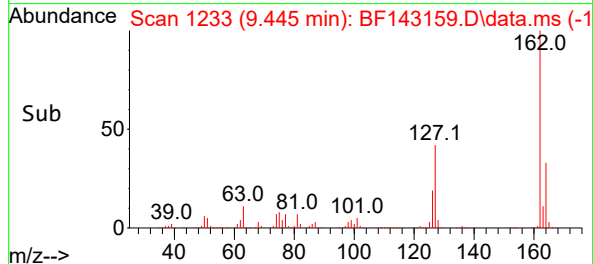
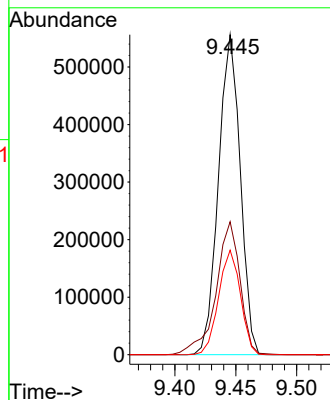
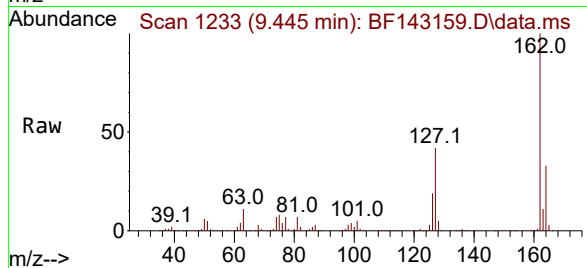
Tgt Ion:162 Resp: 693644

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 40.934 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

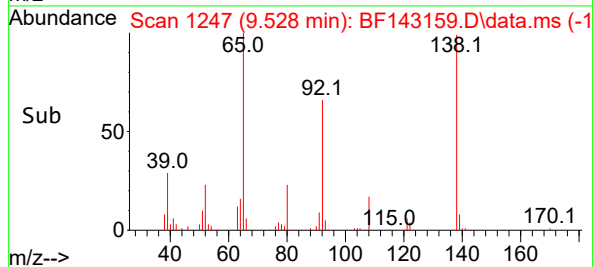
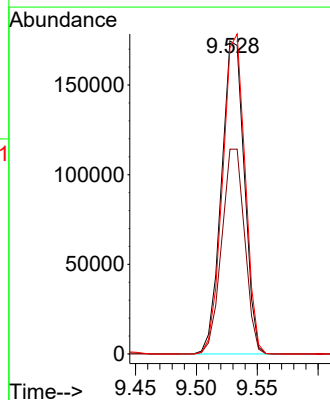
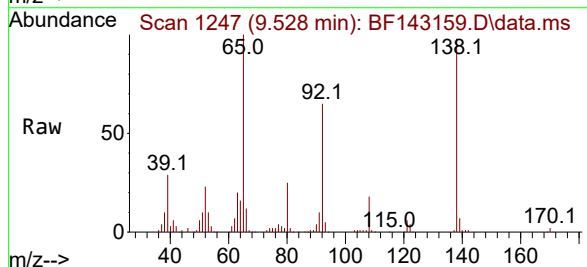
Tgt Ion: 65 Resp: 228667

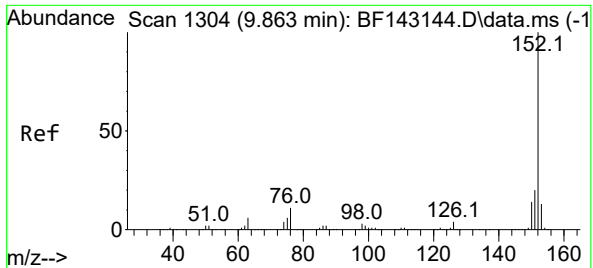
Ion Ratio Lower Upper

65 100

92 65.4 52.4 78.6

138 97.8 82.3 123.5





#49

Acenaphthylene

Concen: 38.471 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

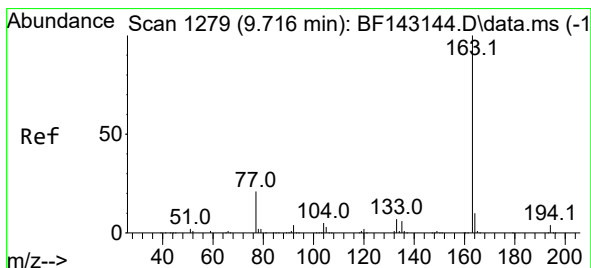
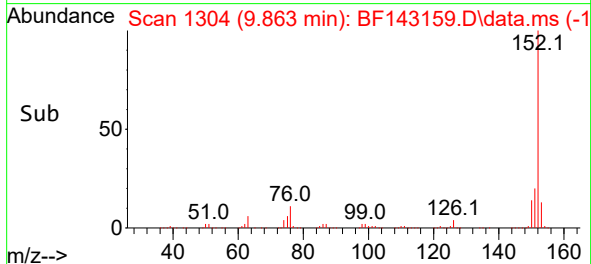
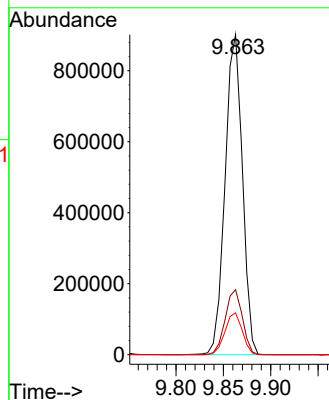
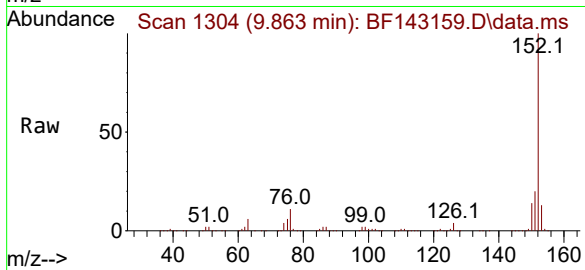
Tgt Ion:152 Resp: 1148448

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.0 10.6 16.0



#50

Dimethylphthalate

Concen: 38.438 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

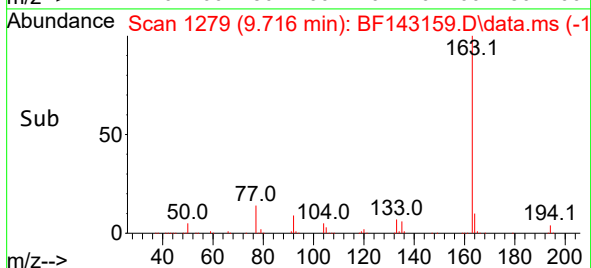
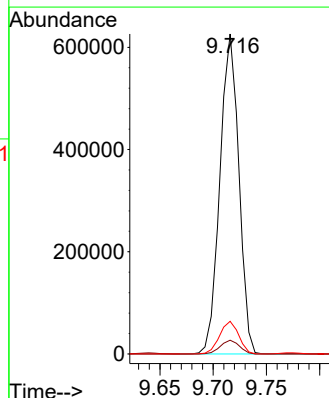
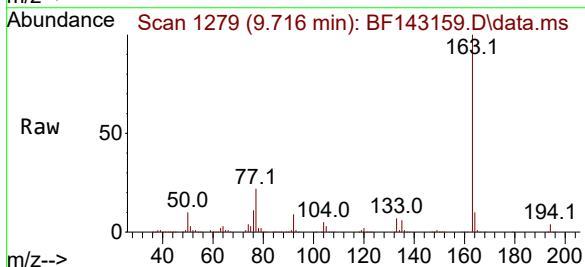
Tgt Ion:163 Resp: 773127

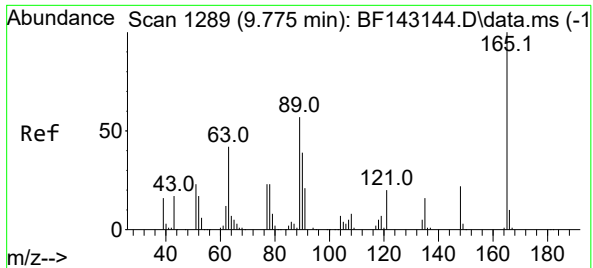
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.2 8.3 12.5

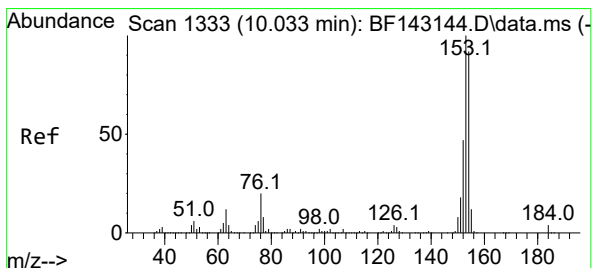
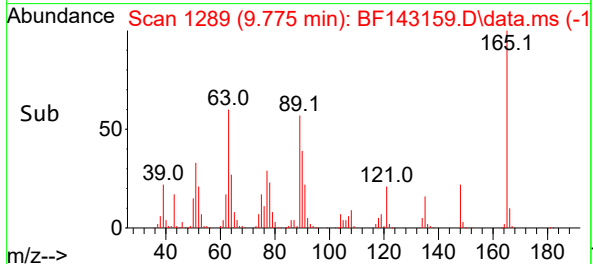
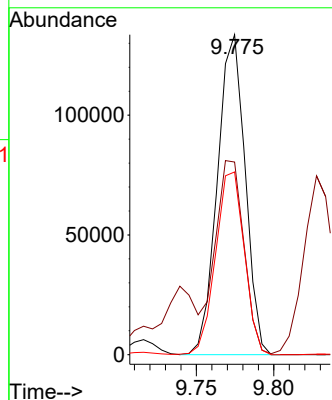
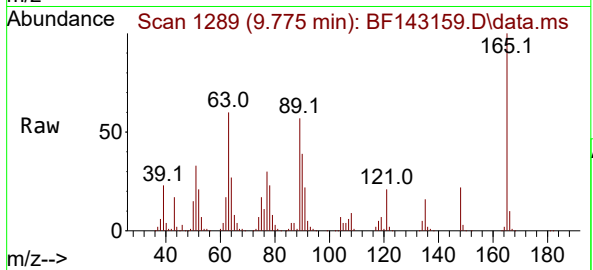




#51
2,6-Dinitrotoluene
Concen: 40.722 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

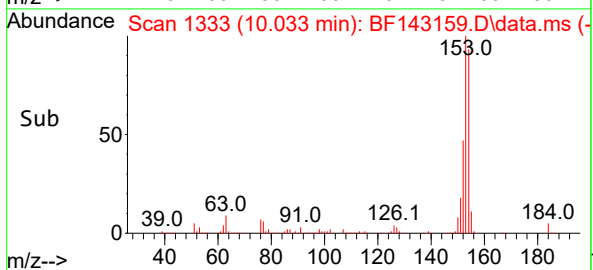
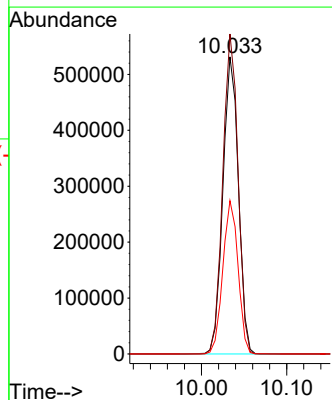
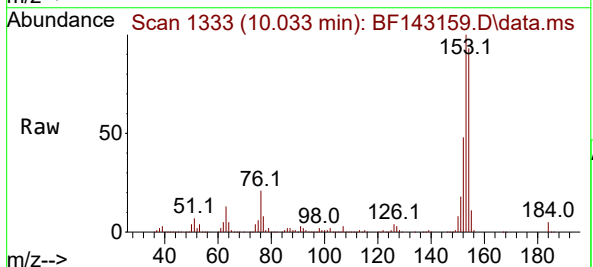
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

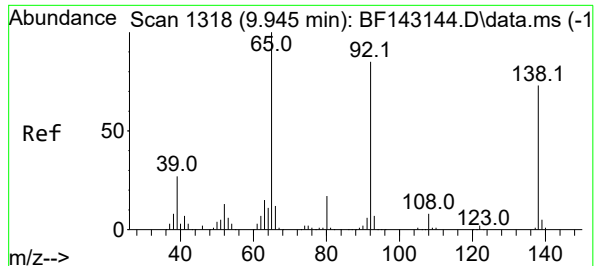
Tgt Ion:165 Resp: 166618
Ion Ratio Lower Upper
165 100
63 60.2 49.4 74.2
89 57.1 46.2 69.2



#52
Acenaphthene
Concen: 38.188 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:154 Resp: 673791
Ion Ratio Lower Upper
154 100
153 107.7 86.6 129.8
152 51.6 40.4 60.6





#53

3-Nitroaniline

Concen: 39.413 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

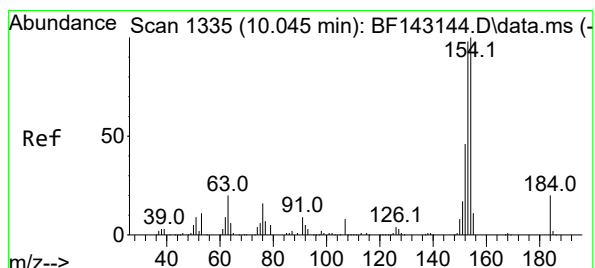
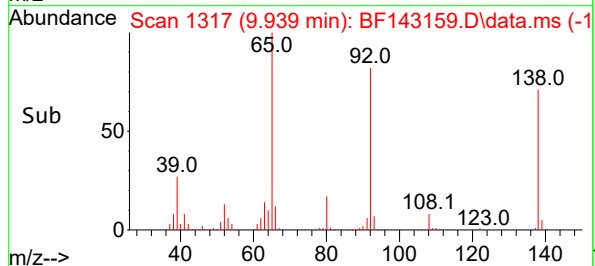
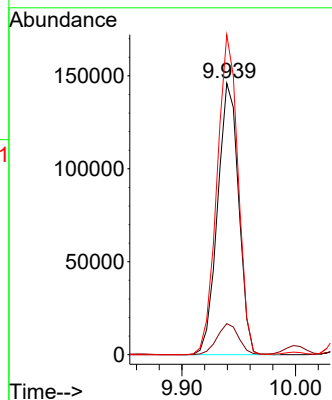
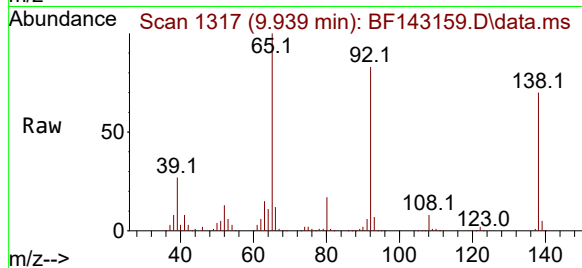
Tgt Ion:138 Resp: 188626

Ion Ratio Lower Upper

138 100

108 11.5 9.0 13.6

92 117.8 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 37.648 ng

RT: 10.039 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

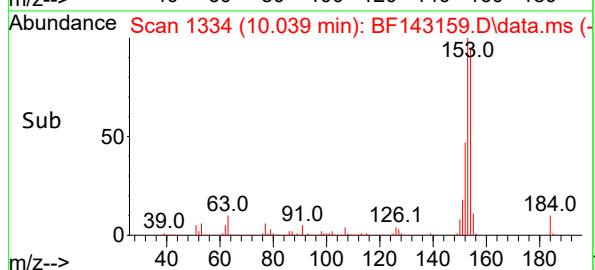
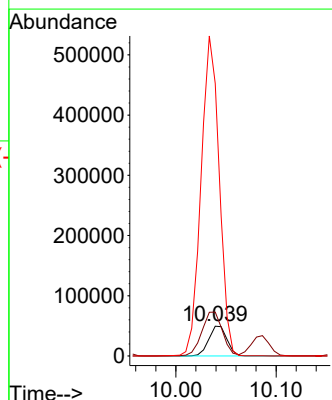
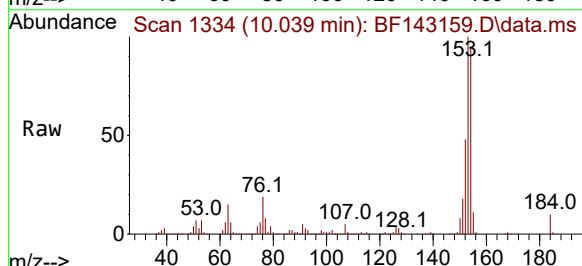
Tgt Ion:184 Resp: 62679

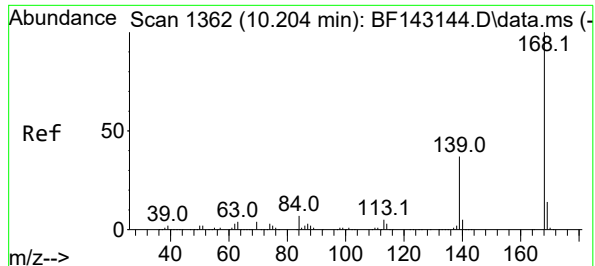
Ion Ratio Lower Upper

184 100

63 147.3 81.8 122.6#

154 915.2 412.2 618.4#





#55

Dibenzofuran

Concen: 38.410 ng

RT: 10.204 min Scan# 1362

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

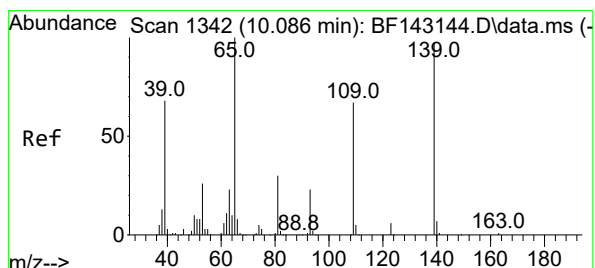
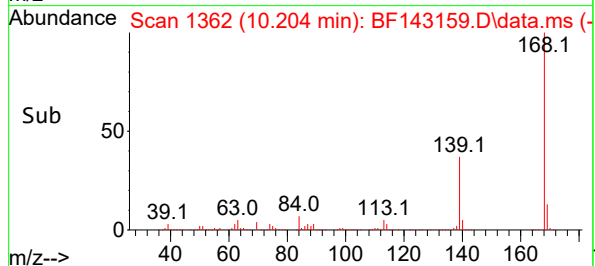
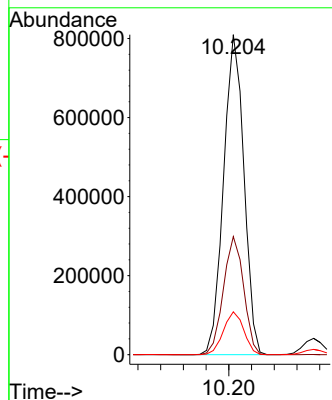
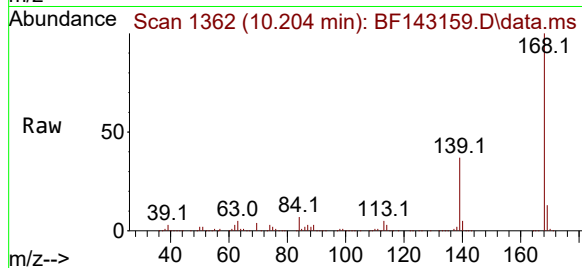
Tgt Ion:168 Resp: 1006197

Ion Ratio Lower Upper

168 100

139 36.9 29.5 44.3

169 13.4 10.9 16.3



#56

4-Nitrophenol

Concen: 38.194 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

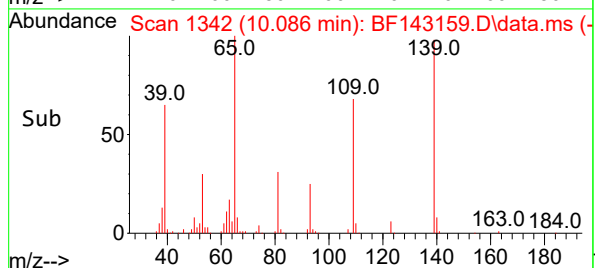
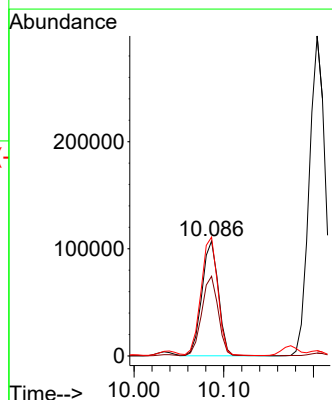
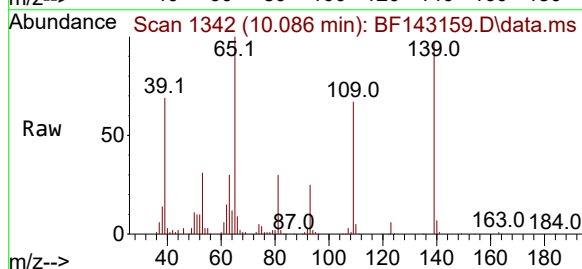
Tgt Ion:139 Resp: 136499

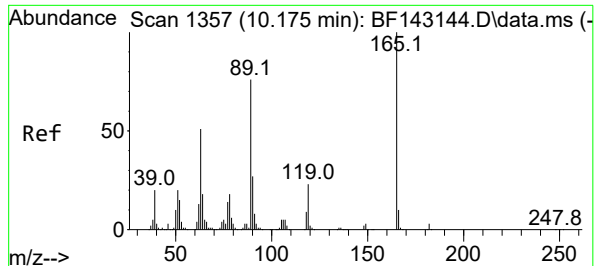
Ion Ratio Lower Upper

139 100

109 69.3 48.5 88.5

65 103.5 83.4 123.4





#57

2,4-Dinitrotoluene

Concen: 40.255 ng

RT: 10.175 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 206647

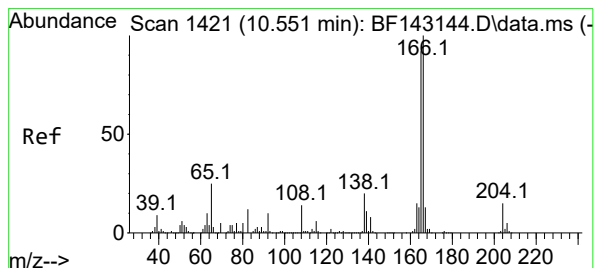
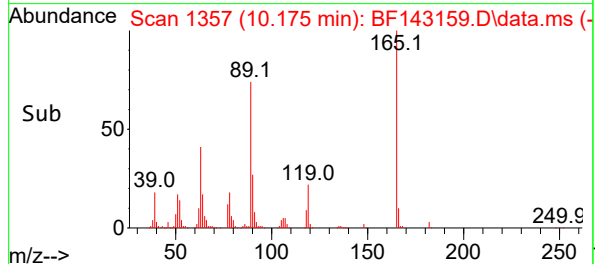
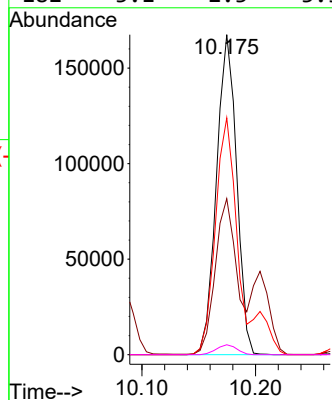
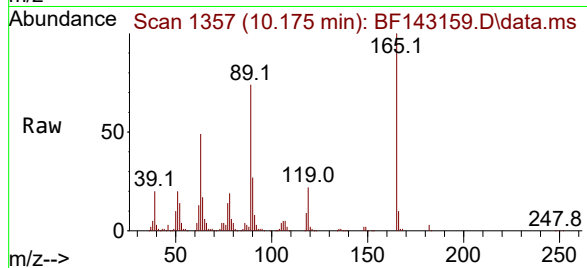
Ion Ratio Lower Upper

165 100

63 48.7 41.0 61.4

89 74.0 61.1 91.7

182 3.1 2.3 3.5



#58

Fluorene

Concen: 37.763 ng

RT: 10.545 min Scan# 1420

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

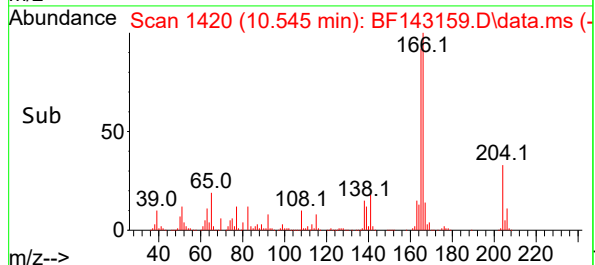
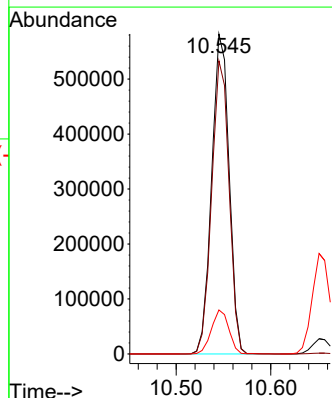
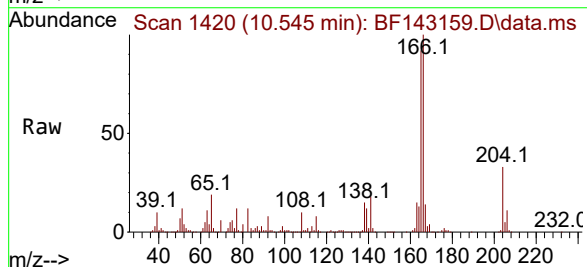
Tgt Ion:166 Resp: 742445

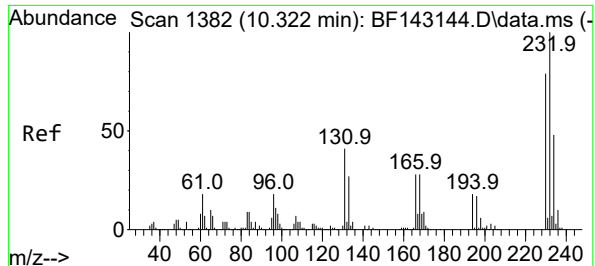
Ion Ratio Lower Upper

166 100

165 91.6 73.7 110.5

167 13.8 10.6 16.0

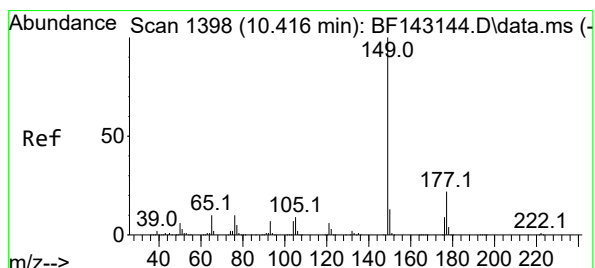
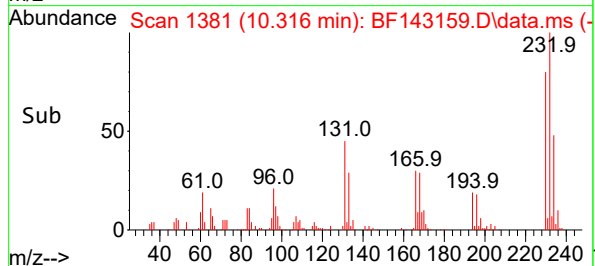
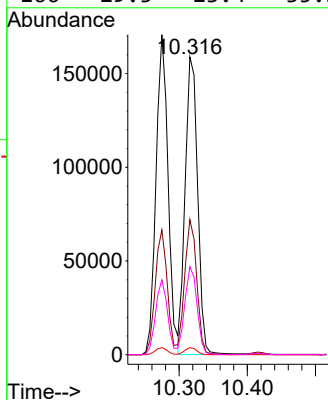
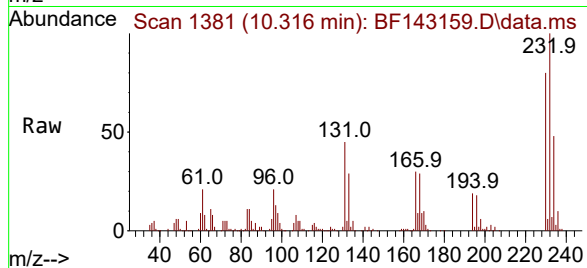




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.158 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

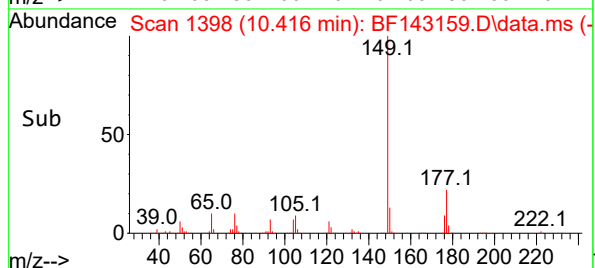
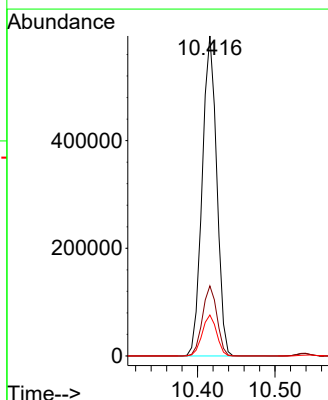
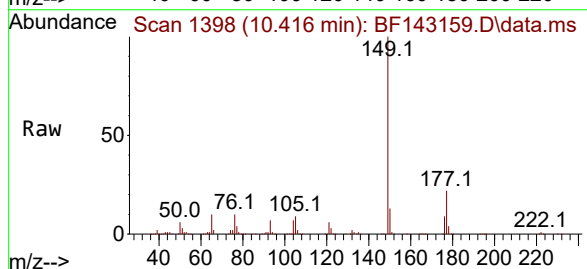
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

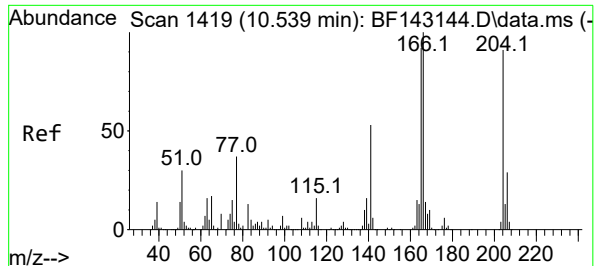
Tgt Ion:232 Resp: 200053
Ion Ratio Lower Upper
232 100
131 44.4 35.3 52.9
130 2.3 1.7 2.5
166 29.5 23.4 35.2



#60
Diethylphthalate
Concen: 38.881 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:149 Resp: 772963
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.8 10.2 15.2

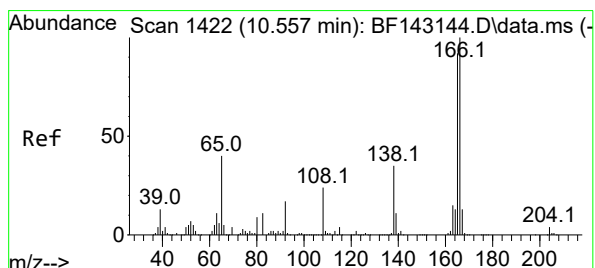
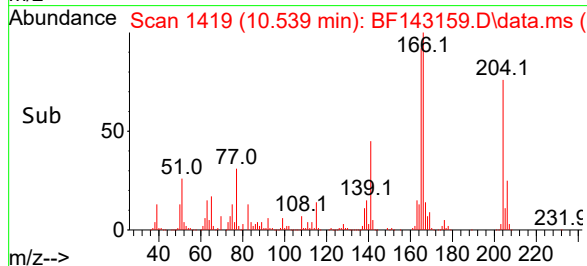
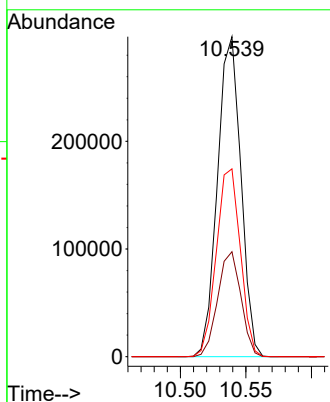
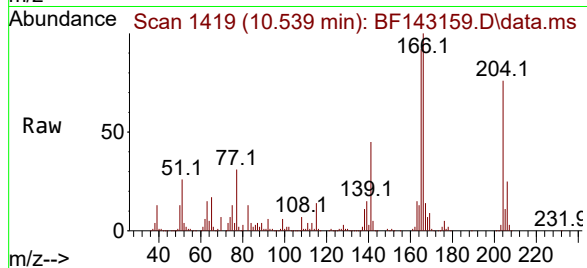




#61
4-Chlorophenyl-phenylether
Concen: 37.677 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

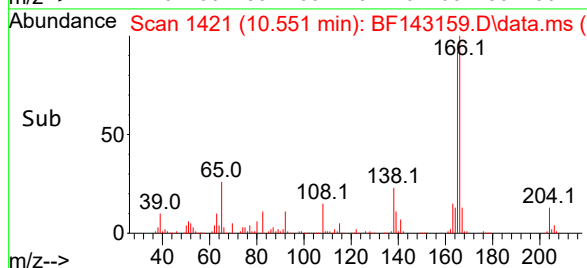
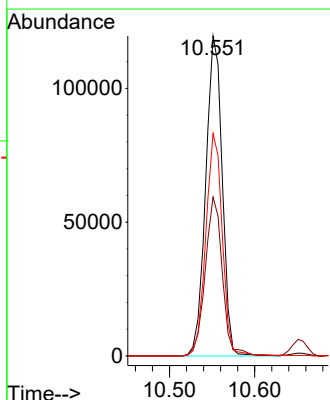
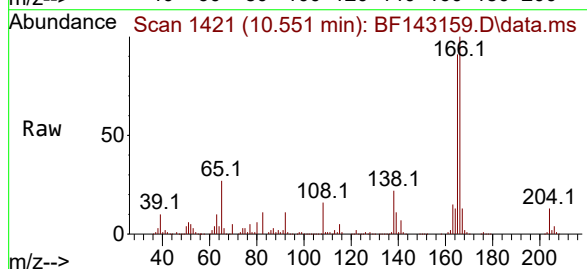
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

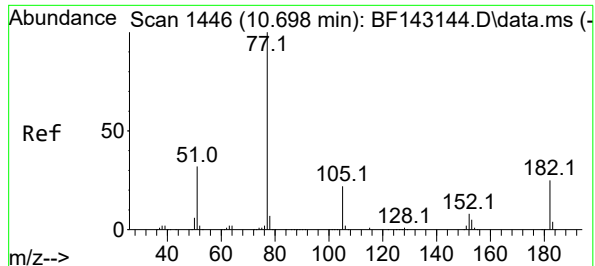
Tgt Ion:204 Resp: 368853
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 58.7 47.0 70.4



#62
4-Nitroaniline
Concen: 39.243 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:138 Resp: 160962
Ion Ratio Lower Upper
138 100
92 49.6 29.3 69.3
108 69.5 48.3 88.3

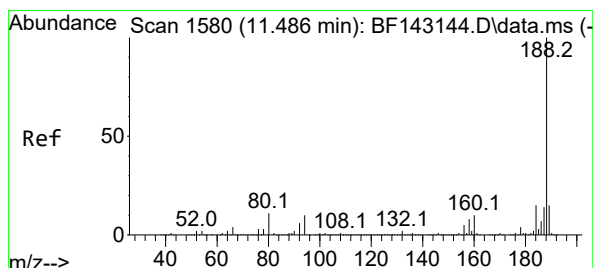
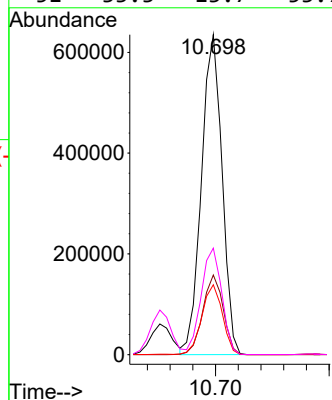
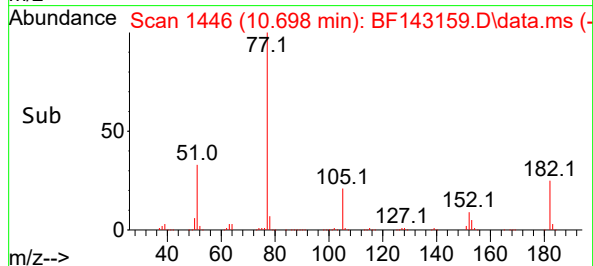
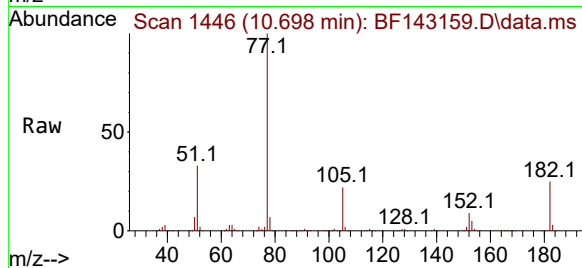




#63
Azobenzene
Concen: 38.661 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

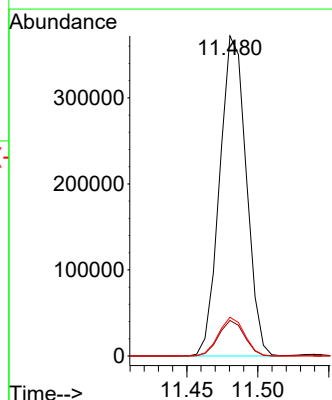
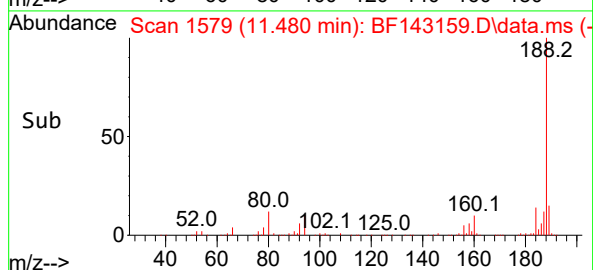
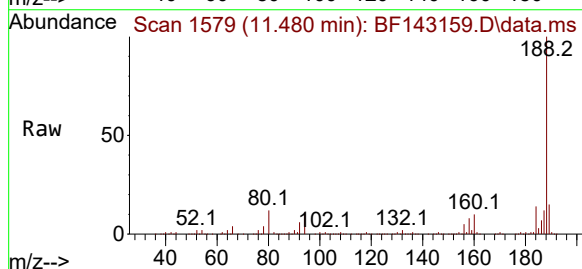
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

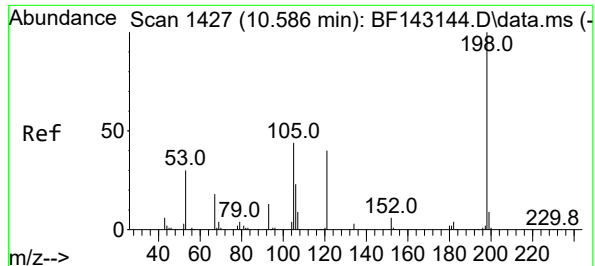
Tgt Ion: 77	Resp: 801032
Ion Ratio	Lower Upper
77 100	
182 24.9	4.6 44.6
105 21.9	1.4 41.4
51 33.3	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion: 188	Resp: 484154
Ion Ratio	Lower Upper
188 100	
94 11.1	8.3 12.5
80 12.1	9.0 13.6

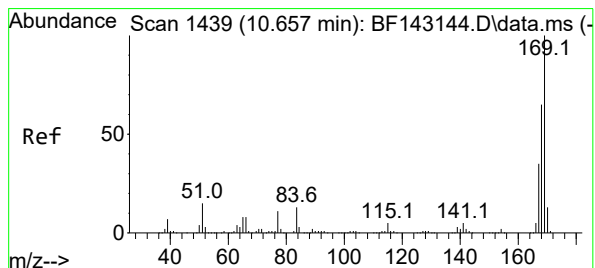
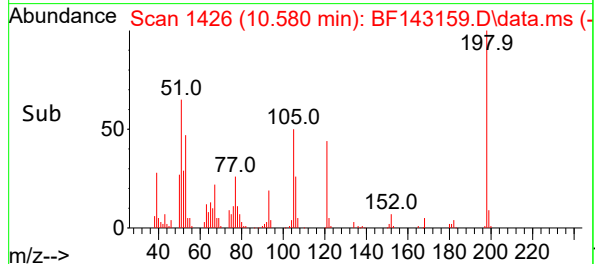
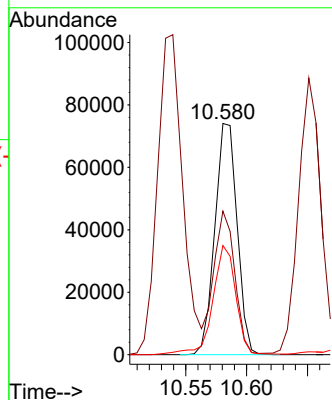
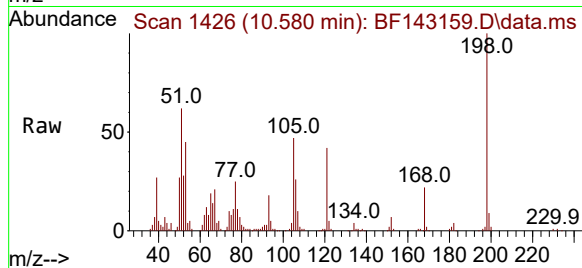




#65
4,6-Dinitro-2-methylphenol
Concen: 38.326 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

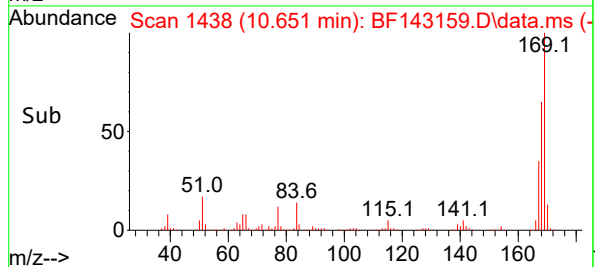
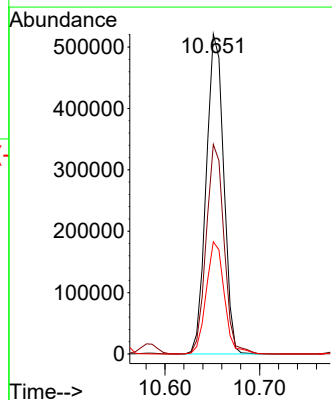
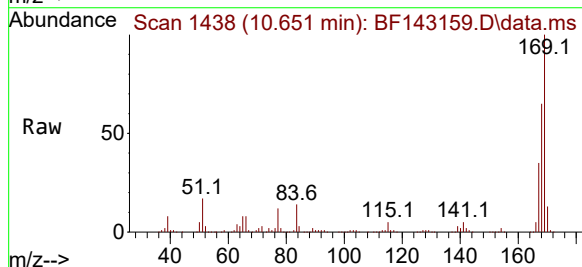
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

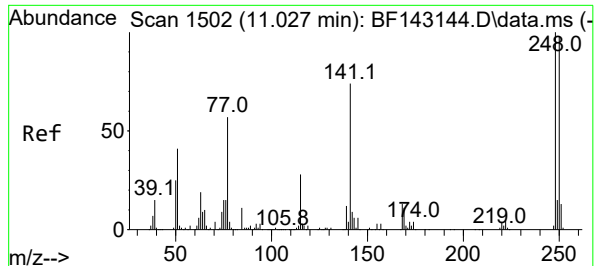
Tgt Ion:198 Resp: 94155
Ion Ratio Lower Upper
198 100
51 62.1 37.2 77.2
105 47.2 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.980 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:169 Resp: 664562
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.1 28.2 42.2

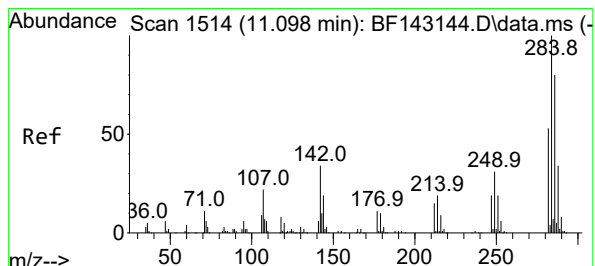
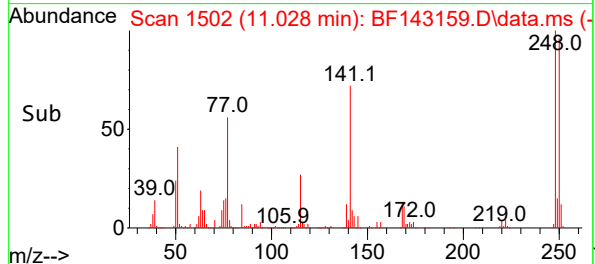
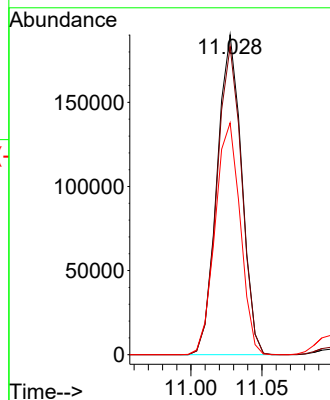
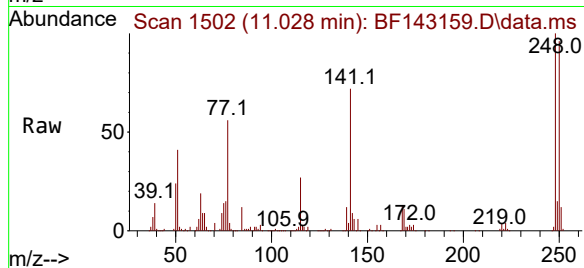




#67
4-Bromophenyl-phenylether
Concen: 39.655 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

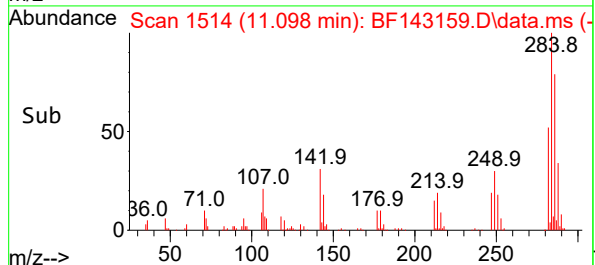
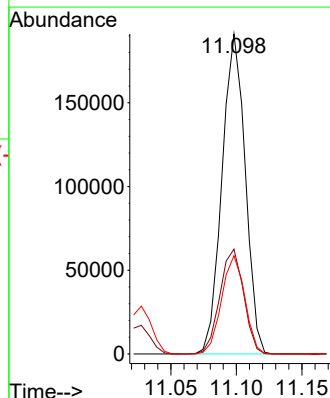
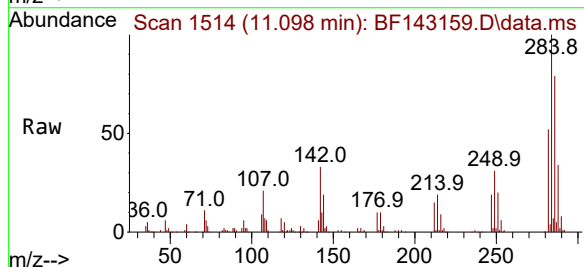
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

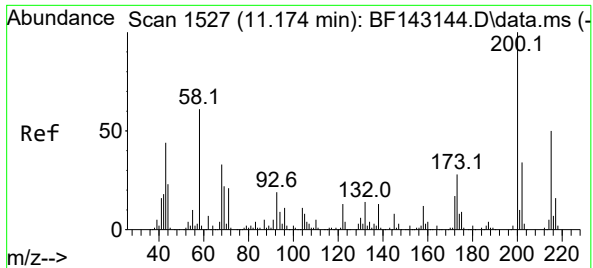
Tgt Ion:248 Resp: 228802
Ion Ratio Lower Upper
248 100
250 96.3 78.3 117.5
141 72.5 59.2 88.8



#68
Hexachlorobenzene
Concen: 39.010 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:284 Resp: 235254
Ion Ratio Lower Upper
284 100
142 32.7 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 40.039 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

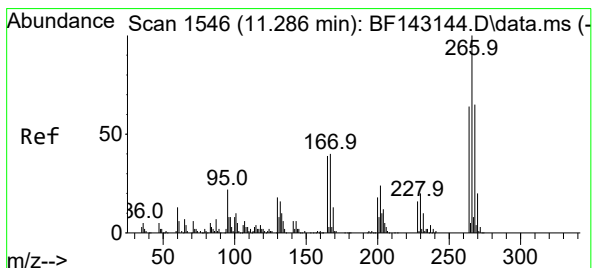
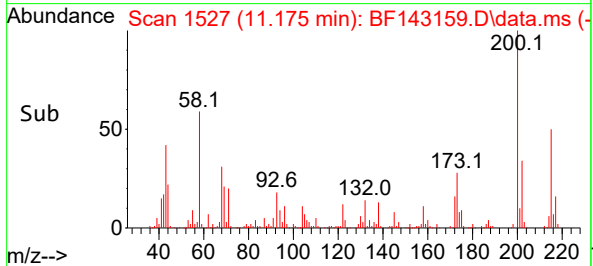
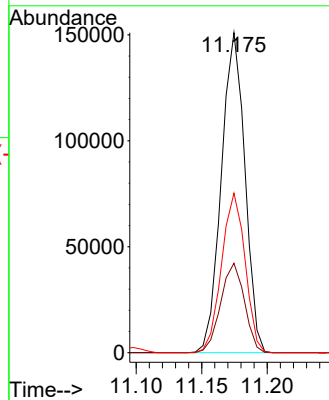
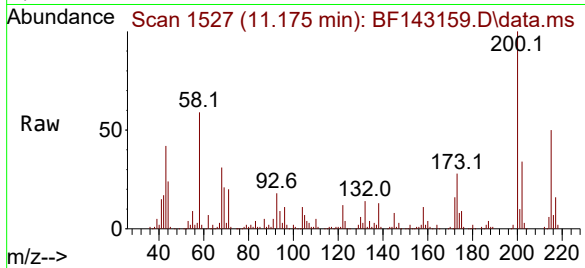
Tgt Ion:200 Resp: 188190

Ion Ratio Lower Upper

200 100

173 28.0 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 41.098 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

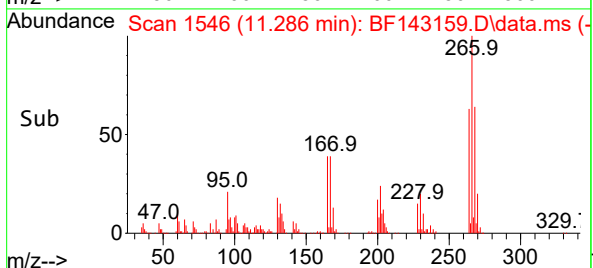
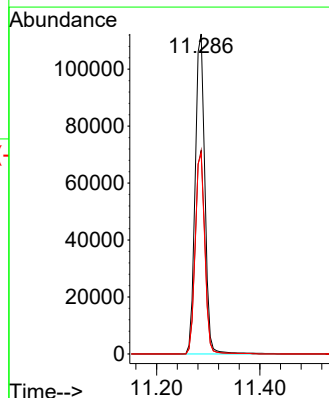
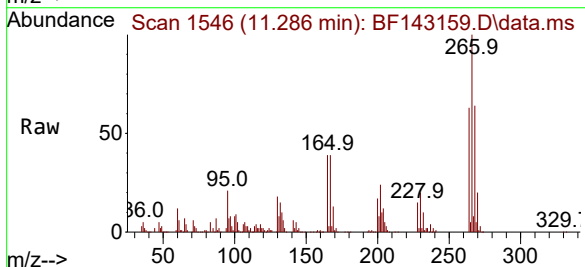
Tgt Ion:266 Resp: 145757

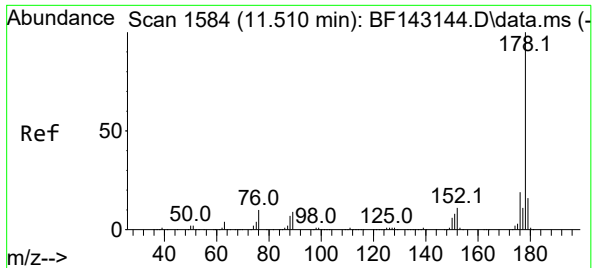
Ion Ratio Lower Upper

266 100

268 63.6 51.9 77.9

264 62.6 51.0 76.6





#71

Phenanthrene

Concen: 37.965 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

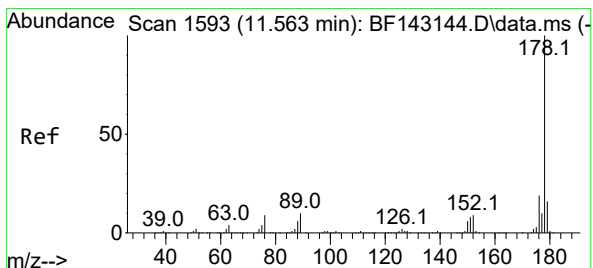
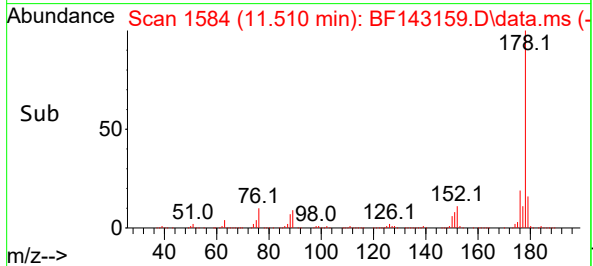
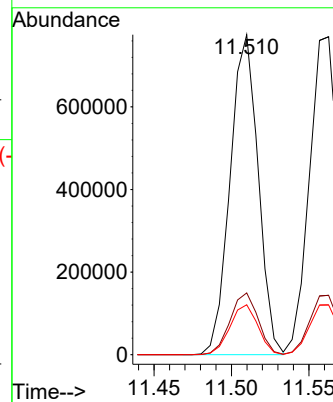
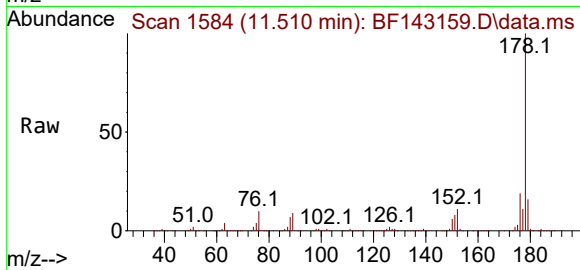
Tgt Ion:178 Resp: 975972

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.6 12.5 18.7



#72

Anthracene

Concen: 38.541 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

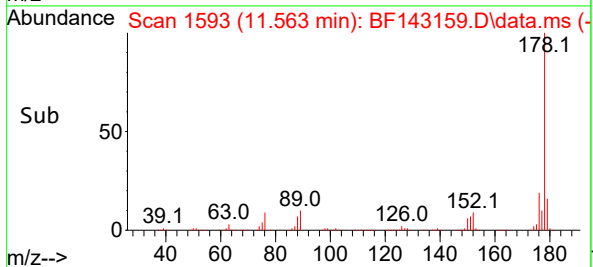
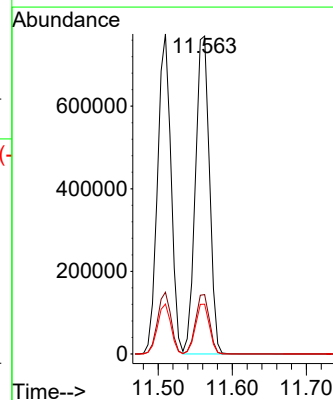
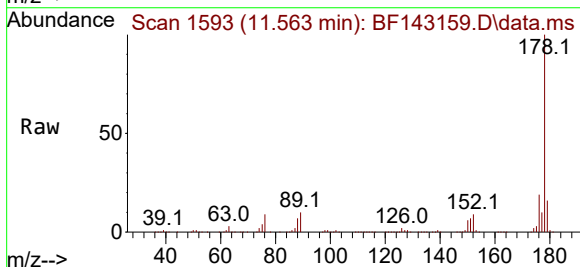
Tgt Ion:178 Resp: 1010485

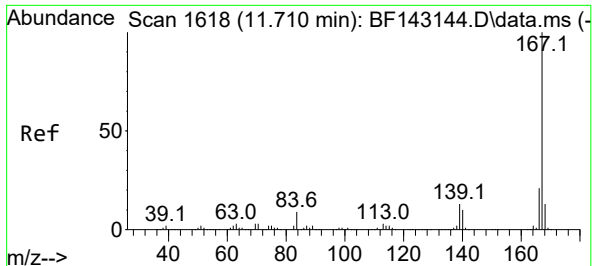
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.6 12.5 18.7

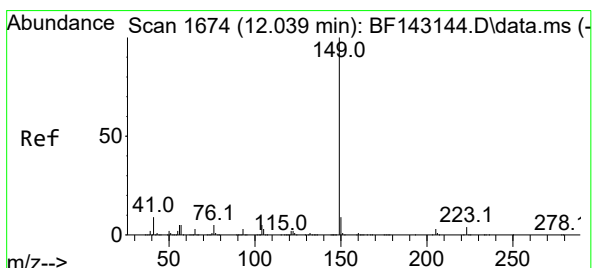
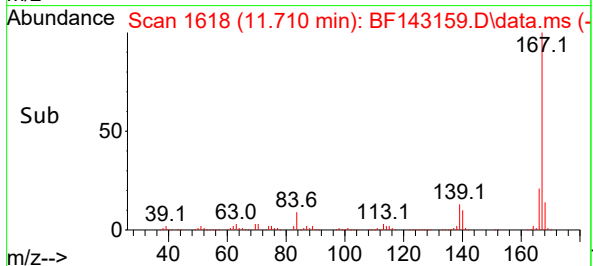
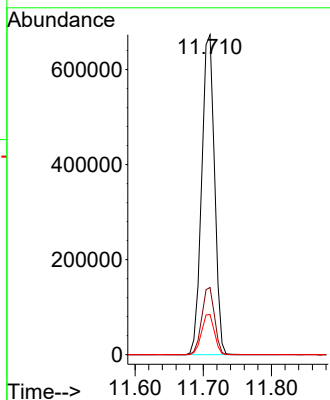
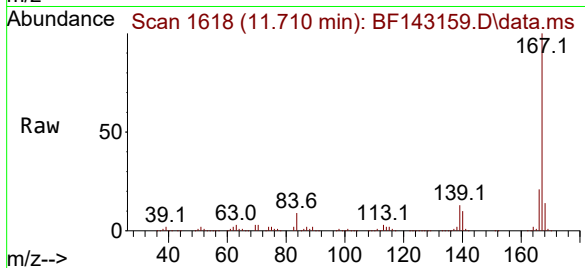




#73
Carbazole
Concen: 38.533 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

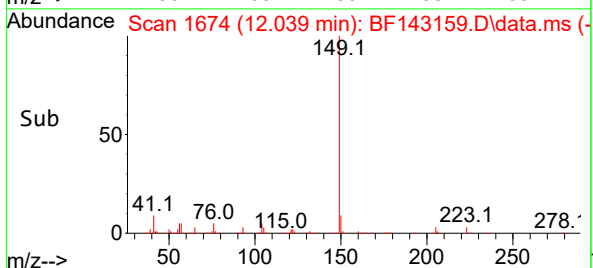
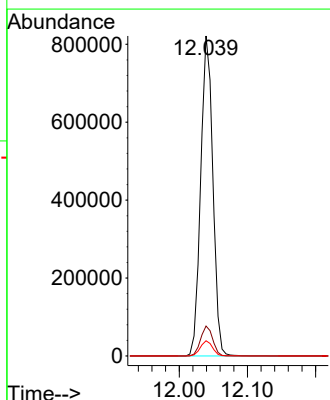
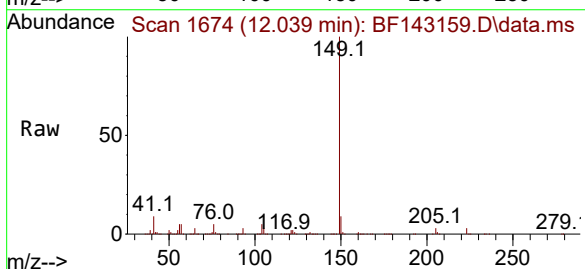
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

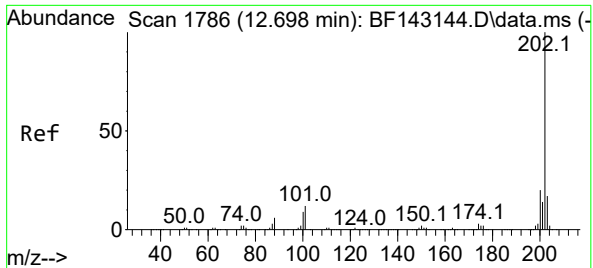
Tgt Ion:167 Resp: 882163
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.5 10.0 15.0



#74
Di-n-butylphthalate
Concen: 39.361 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:149 Resp: 1019612
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 38.801 ng

RT: 12.692 min Scan# 1785

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

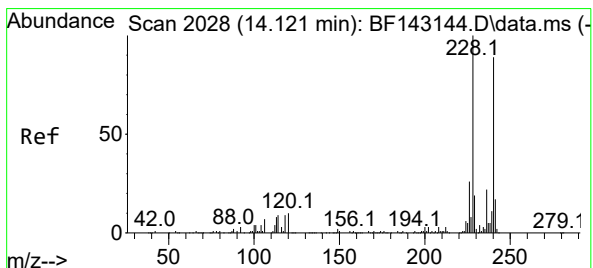
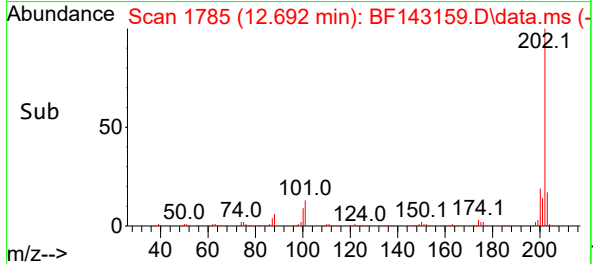
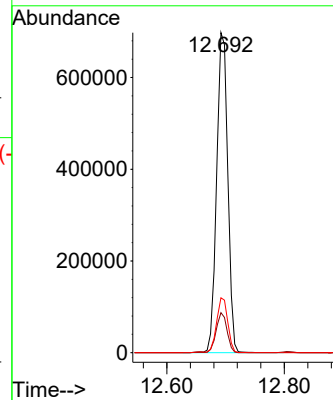
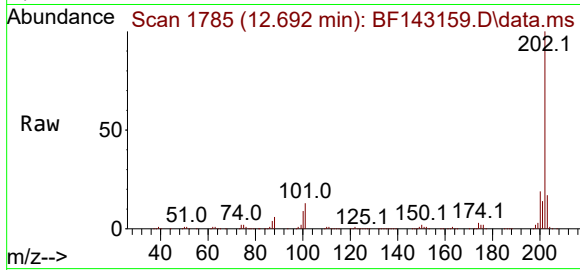
Tgt Ion:202 Resp: 915546

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.7

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

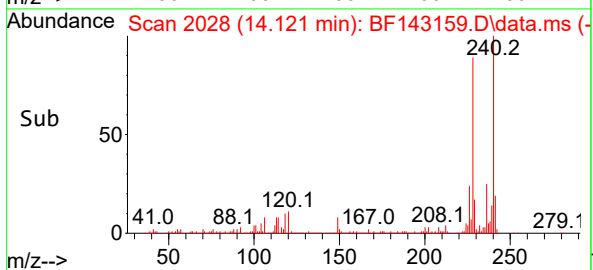
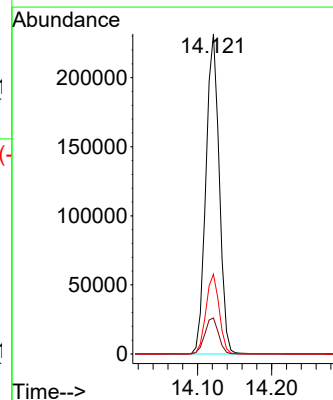
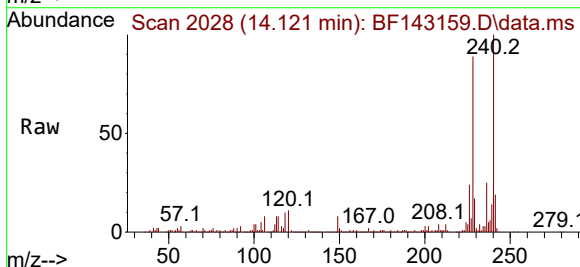
Tgt Ion:240 Resp: 288972

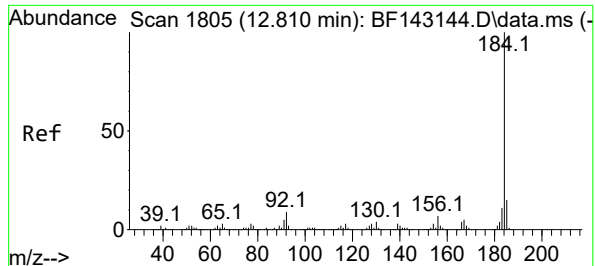
Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 24.9 20.2 30.4





#77

Benzidine

Concen: 39.430 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

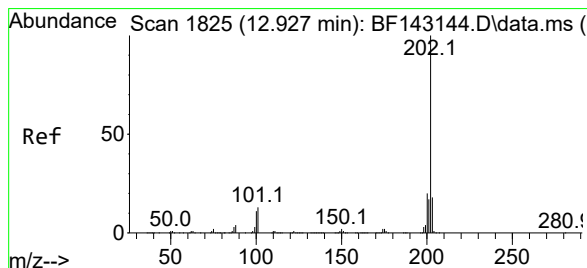
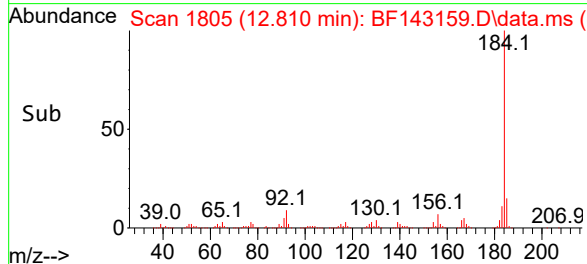
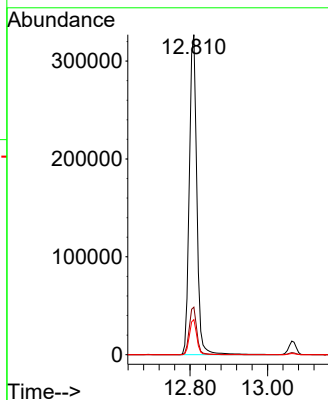
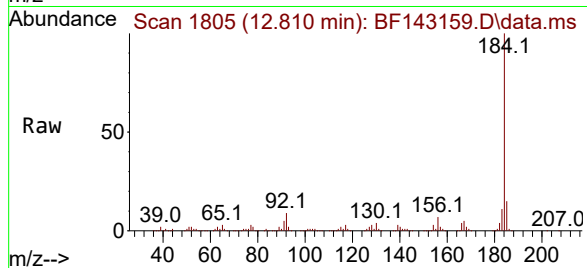
Tgt Ion:184 Resp: 438982

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.4

183 11.0 9.0 13.4



#78

Pyrene

Concen: 36.600 ng

RT: 12.921 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

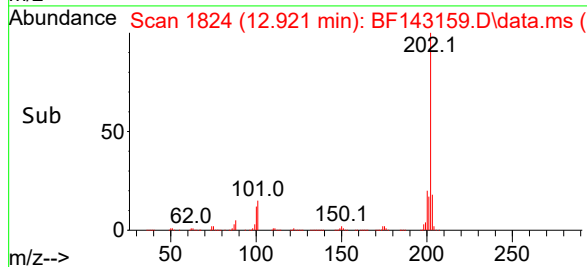
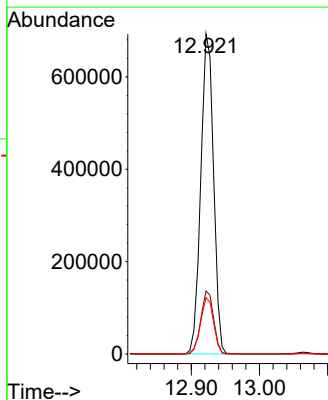
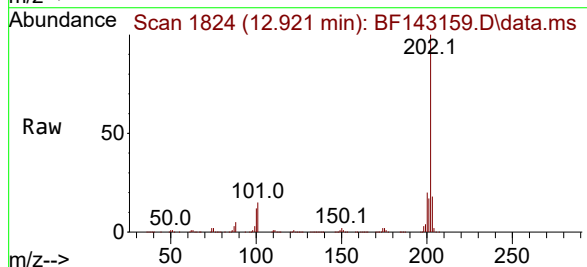
Tgt Ion:202 Resp: 902645

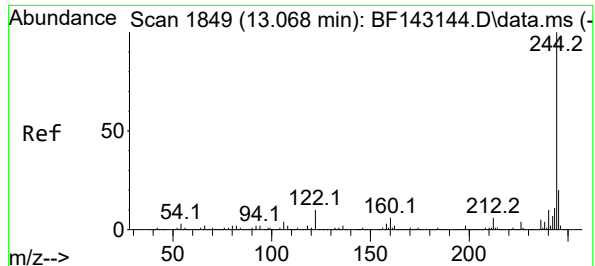
Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 72.598 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

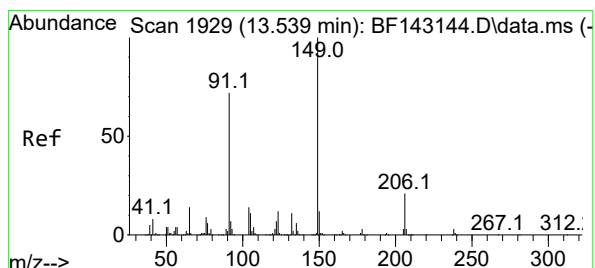
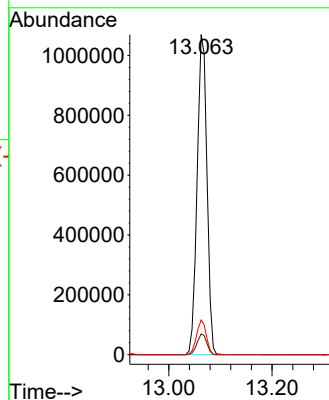
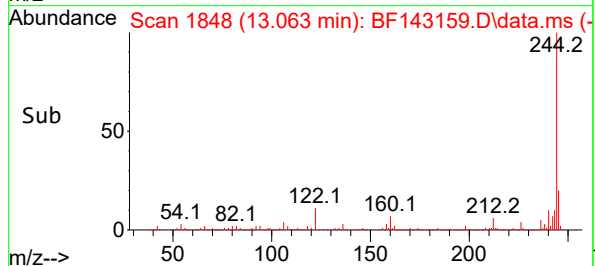
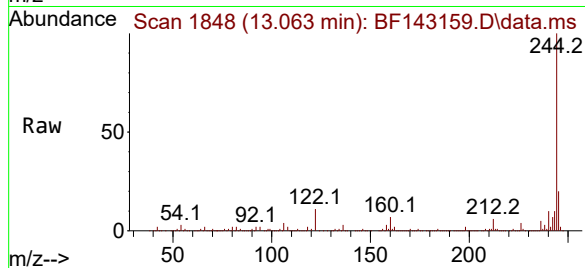
Tgt Ion:244 Resp: 1409765

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.8 8.2 12.2



#80

Butylbenzylphthalate

Concen: 39.398 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

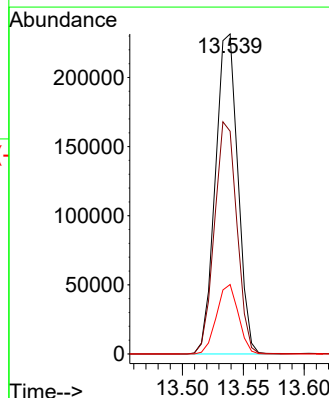
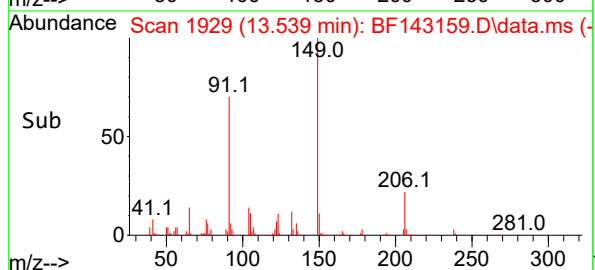
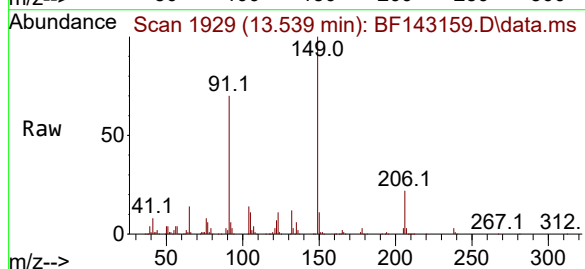
Tgt Ion:149 Resp: 297533

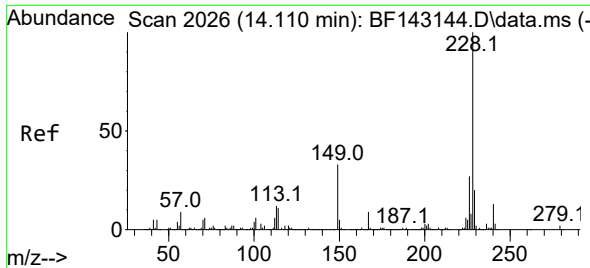
Ion Ratio Lower Upper

149 100

91 69.6 57.9 86.9

206 21.7 17.0 25.4

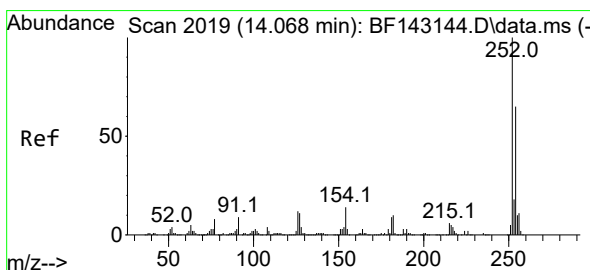
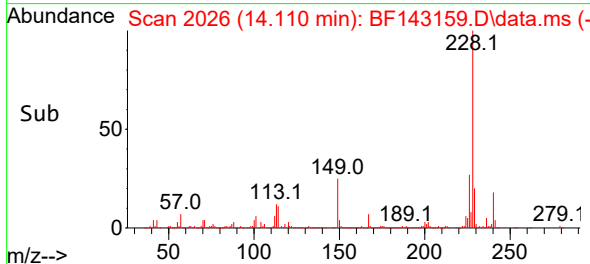
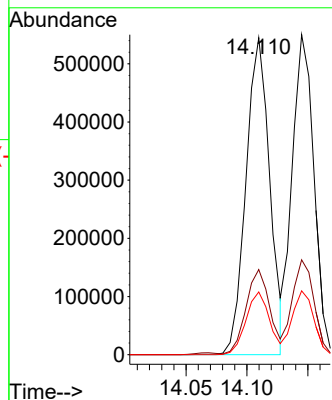
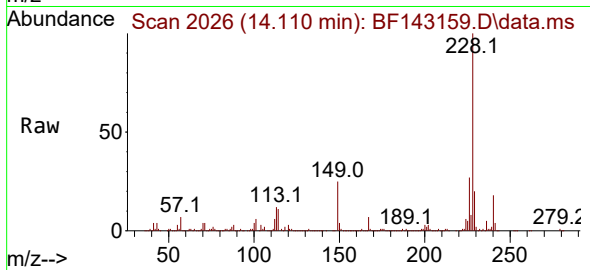




#81
Benzo(a)anthracene
Concen: 38.300 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

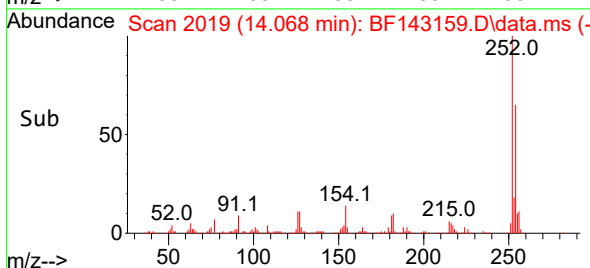
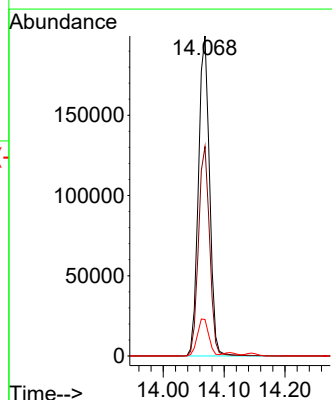
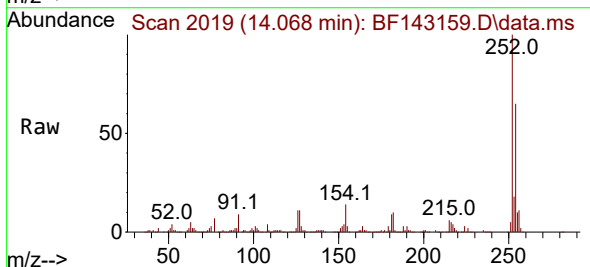
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

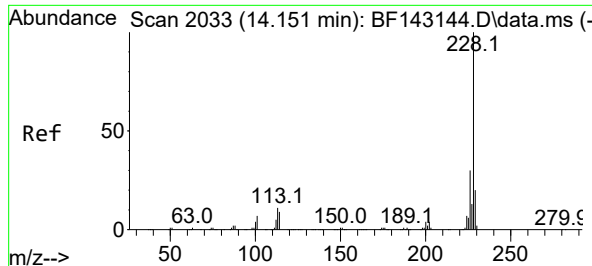
Tgt Ion:228 Resp: 740974
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 39.157 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:252 Resp: 252484
Ion Ratio Lower Upper
252 100
254 65.4 51.7 77.5
126 11.4 9.4 14.0





#83

Chrysene

Concen: 39.426 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

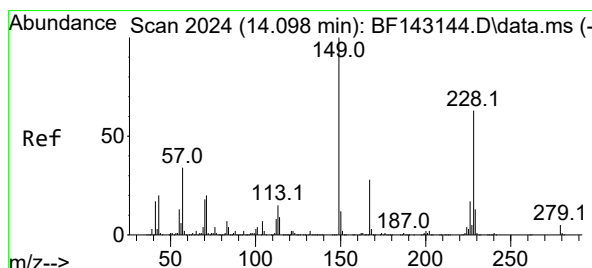
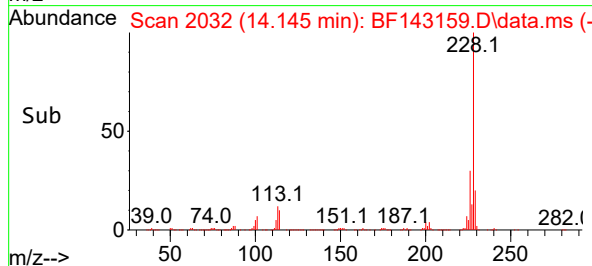
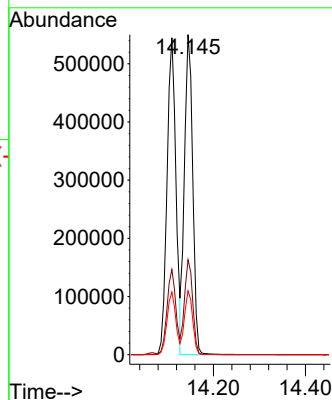
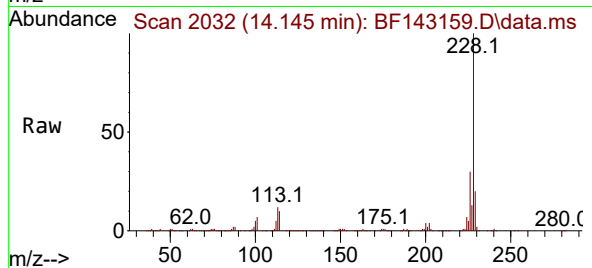
Tgt Ion:228 Resp: 685795

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.907 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

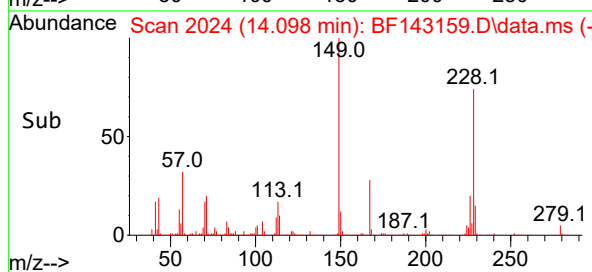
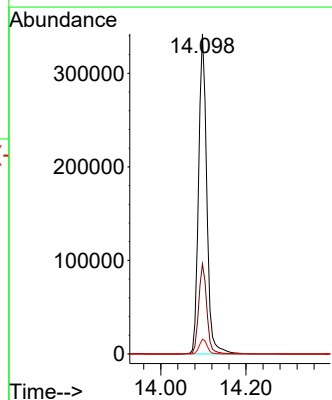
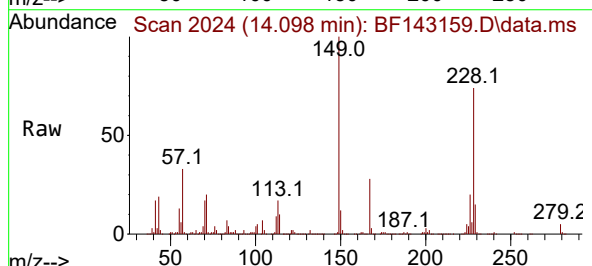
Tgt Ion:149 Resp: 456161

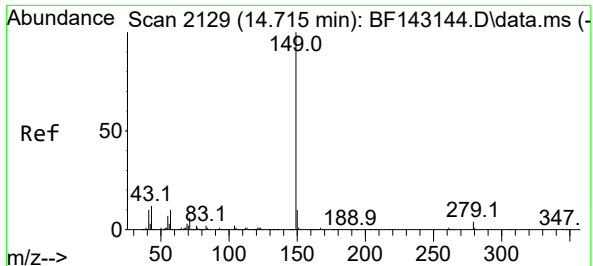
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.6 3.6 5.4

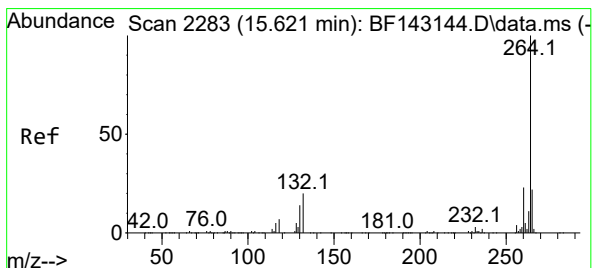
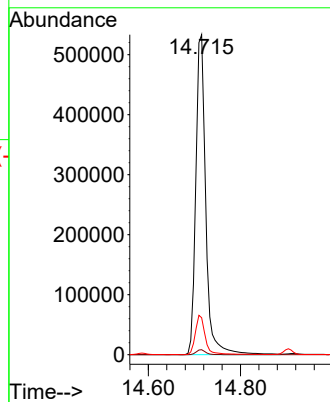
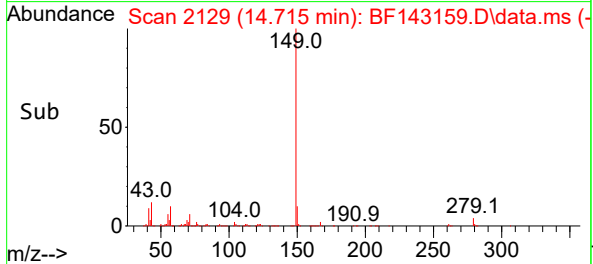
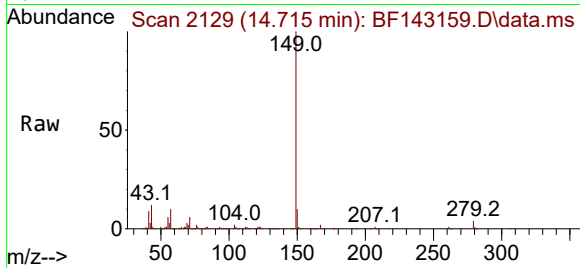




#85
Di-n-octyl phthalate
Concen: 38.530 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

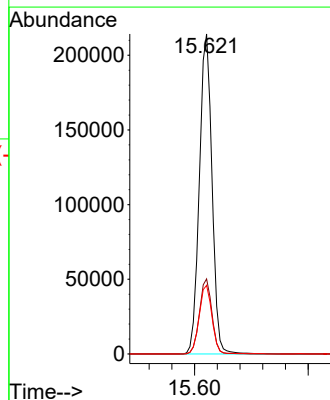
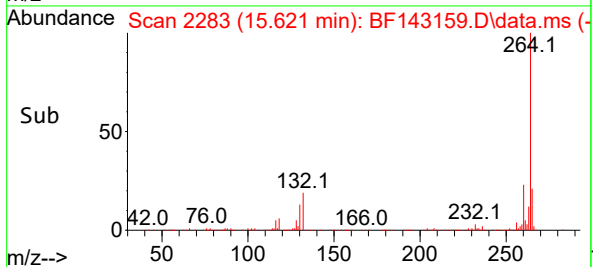
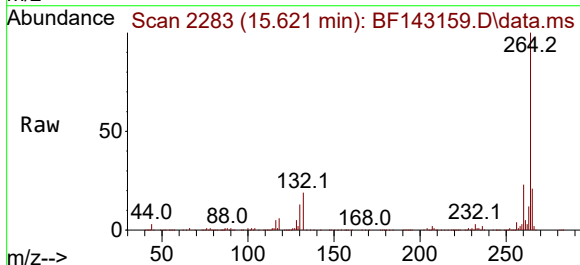
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

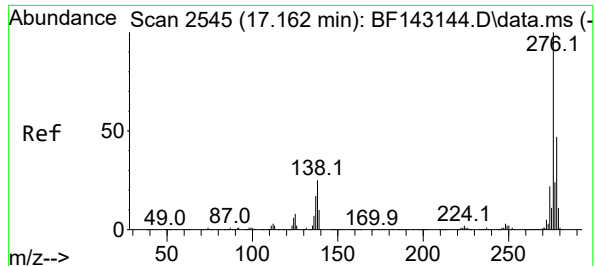
Tgt Ion:149 Resp: 798316
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.5 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143159.D
Acq: 18 Jul 2025 11:24

Tgt Ion:264 Resp: 331263
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.594 ng

RT: 17.157 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

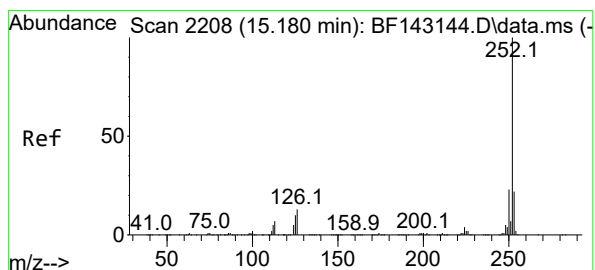
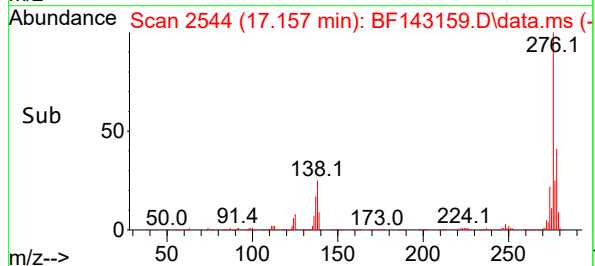
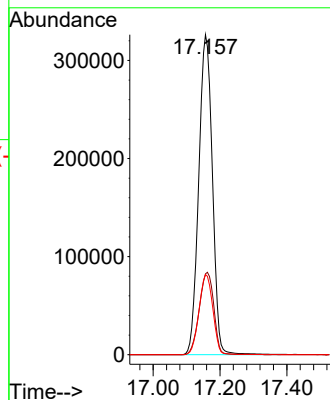
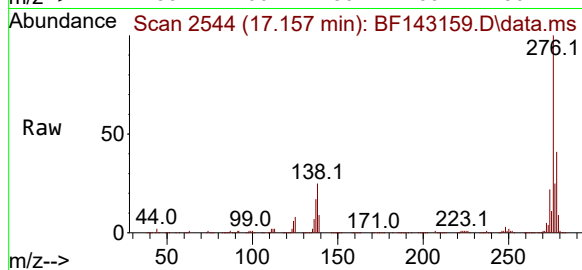
Tgt Ion:276 Resp: 924864

Ion Ratio Lower Upper

276 100

138 27.4 21.8 32.6

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 38.273 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

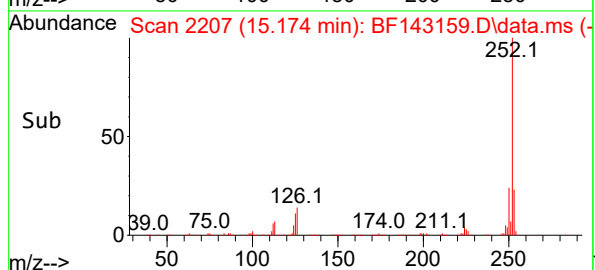
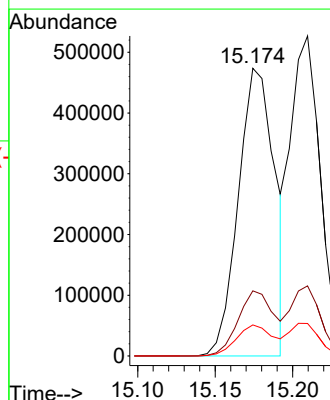
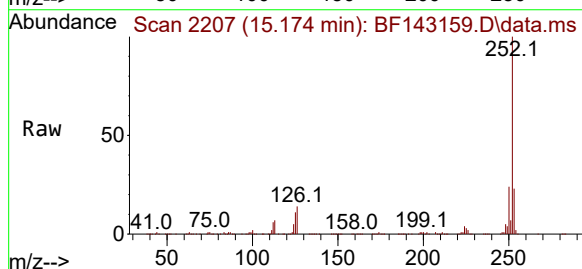
Tgt Ion:252 Resp: 774544

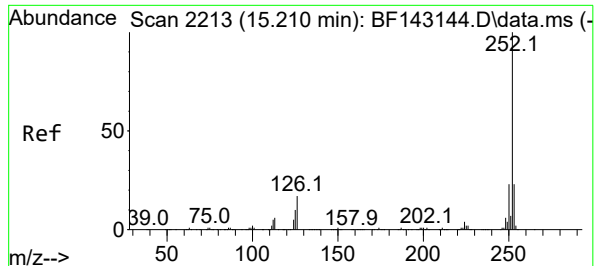
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 39.341 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

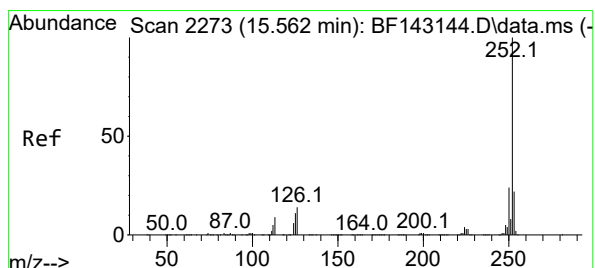
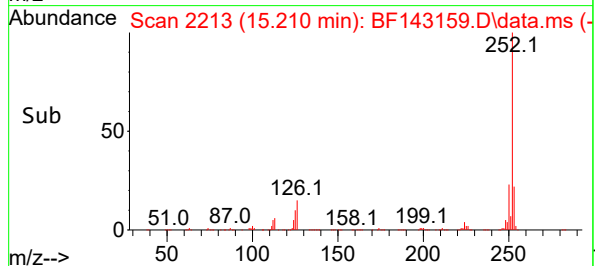
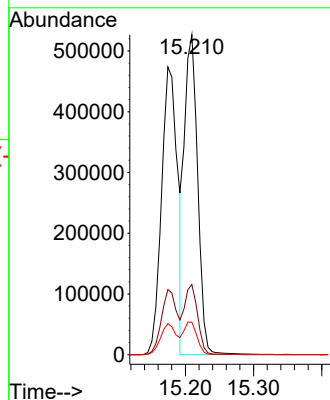
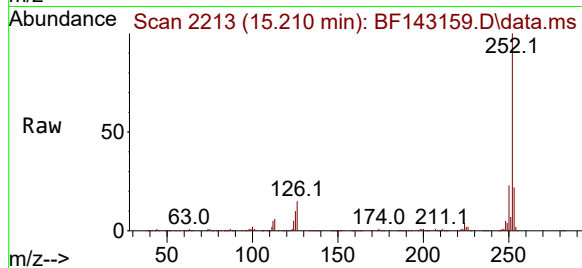
Tgt Ion:252 Resp: 710438

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.1 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.362 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

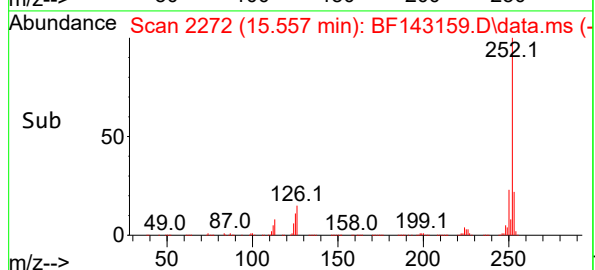
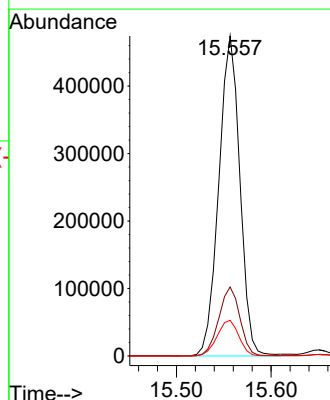
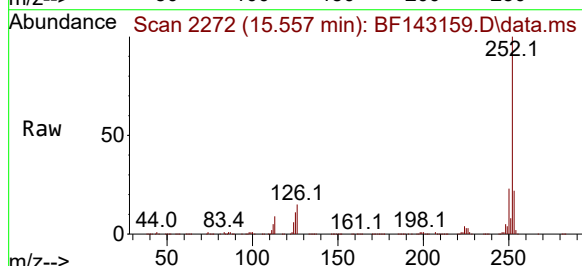
Tgt Ion:252 Resp: 733915

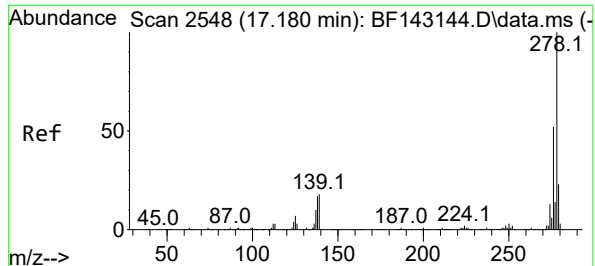
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 11.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 39.900 ng

RT: 17.174 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

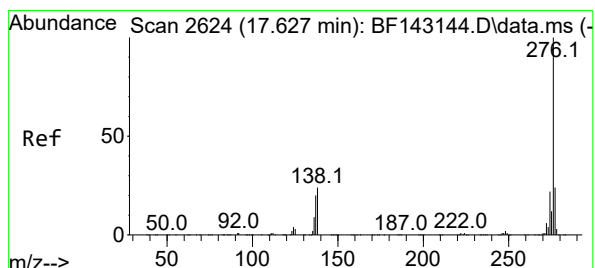
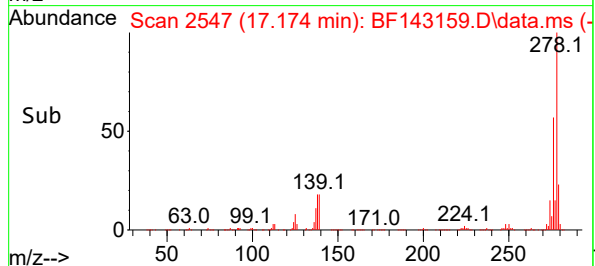
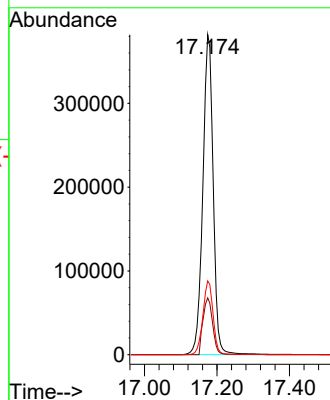
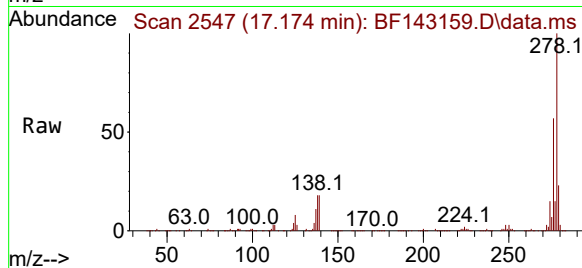
Tgt Ion:278 Resp: 758585

Ion Ratio Lower Upper

278 100

139 17.8 14.1 21.1

279 23.0 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 40.073 ng

RT: 17.621 min Scan# 2623

Delta R.T. -0.006 min

Lab File: BF143159.D

Acq: 18 Jul 2025 11:24

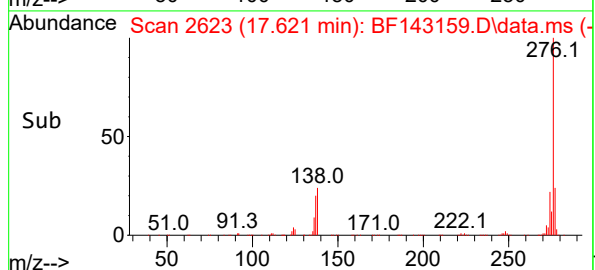
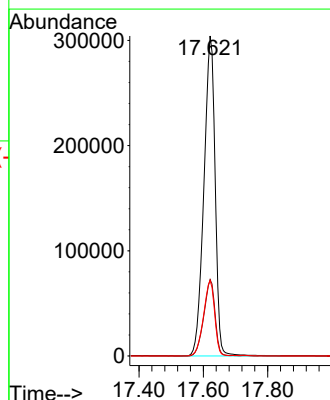
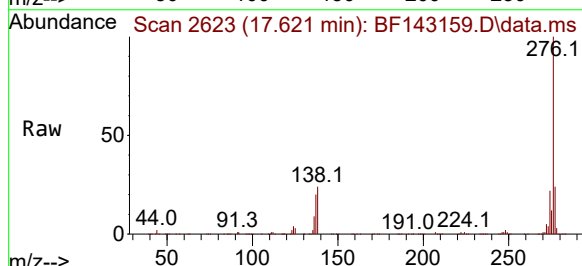
Tgt Ion:276 Resp: 736996

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 23.5 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143159.D
 Acq On : 18 Jul 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	95	0.00
2	1,4-Dioxane	0.598	0.597	0.2	95	-0.02
3	Pyridine	1.552	1.551	0.1	96	-0.01
4	n-Nitrosodimethylamine	0.801	0.792	1.1	93	-0.01
5 S	2-Fluorophenol	1.264	1.224	3.2	95	0.00
6	Aniline	2.217	2.184	1.5	94	0.00
7 S	Phenol-d6	1.591	1.558	2.1	95	0.00
8	2-Chlorophenol	1.325	1.308	1.3	95	0.00
9	Benzaldehyde	1.193	1.315	-10.2	87	0.00
10 C	Phenol	1.733	1.713	1.2	95	0.00
11	bis(2-Chloroethyl)ether	1.327	1.320	0.5	96	0.00
12	1,3-Dichlorobenzene	1.439	1.408	2.2	96	0.00
13 C	1,4-Dichlorobenzene	1.449	1.414	2.4	95	0.00
14	1,2-Dichlorobenzene	1.378	1.361	1.2	96	0.00
15	Benzyl Alcohol	1.215	1.194	1.7	93	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.451	0.4	96	0.00
17	2-Methylphenol	1.114	1.090	2.2	95	0.00
18	Hexachloroethane	0.502	0.499	0.6	96	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.986	3.4	95	0.00
20	3+4-Methylphenols	1.351	1.350	0.1	96	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22	Acetophenone	0.474	0.456	3.8	95	0.00
23 S	Nitrobenzene-d5	0.401	0.411	-2.5	98	0.00
24	Nitrobenzene	0.374	0.376	-0.5	95	0.00
25	Isophorone	0.708	0.694	2.0	95	0.00
26 C	2-Nitrophenol	0.162	0.167	-3.1	92	0.00
27	2,4-Dimethylphenol	0.331	0.323	2.4	95	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.413	2.8	95	0.00
29 C	2,4-Dichlorophenol	0.279	0.273	2.2	94	0.00
30	1,2,4-Trichlorobenzene	0.302	0.296	2.0	96	0.00
31	Naphthalene	0.985	0.953	3.2	95	0.00
32	Benzoic acid	0.169	0.170	-0.6	90	0.00
33	4-Chloroaniline	0.402	0.387	3.7	94	0.00
34 C	Hexachlorobutadiene	0.184	0.182	1.1	96	0.00
35	Caprolactam	0.084	0.084	0.0	92	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.296	2.3	94	0.00
37	2-Methylnaphthalene	0.599	0.575	4.0	94	0.00
38	1-Methylnaphthalene	0.617	0.596	3.4	95	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.563	2.4	95	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.376	0.0	94	0.00
42 S	2,4,6-Tribromophenol	0.207	0.198	4.3	88	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.386	3.5	93	0.00
44	2,4,5-Trichlorophenol	0.400	0.398	0.5	91	0.00
45 S	2-Fluorobiphenyl	1.462	1.373	6.1	94	0.00
46	1,1'-Biphenyl	1.560	1.495	4.2	93	0.00
47	2-Chloronaphthalene	1.155	1.124	2.7	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143159.D
 Acq On : 18 Jul 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	0.362	0.371	-2.5	92	0.00
49	Acenaphthylene	1.935	1.861	3.8	93	0.00
50	Dimethylphthalate	1.304	1.253	3.9	91	0.00
51	2,6-Dinitrotoluene	0.265	0.270	-1.9	90	0.00
52 C	Acenaphthene	1.144	1.092	4.5	93	0.00
53	3-Nitroaniline	0.310	0.306	1.3	90	0.00
54 P	2,4-Dinitrophenol	0.098	0.102	-4.1	91	0.00
55	Dibenzofuran	1.698	1.630	4.0	93	0.00
56 P	4-Nitrophenol	0.232	0.221	4.7	84	0.00
57	2,4-Dinitrotoluene	0.333	0.335	-0.6	88	0.00
58	Fluorene	1.274	1.203	5.6	92	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.324	2.1	91	0.00
60	Diethylphthalate	1.289	1.253	2.8	92	0.00
61	4-Chlorophenyl-phenylether	0.635	0.598	5.8	91	0.00
62	4-Nitroaniline	0.266	0.261	1.9	87	0.00
63	Azobenzene	1.343	1.298	3.4	91	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.097	-3.2	89	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.686	2.6	91	0.00
67	4-Bromophenyl-phenylether	0.238	0.236	0.8	92	0.00
68	Hexachlorobenzene	0.249	0.243	2.4	91	0.00
69	Atrazine	0.194	0.194	0.0	88	0.00
70 C	Pentachlorophenol	0.147	0.151	-2.7	91	0.00
71	Phenanthrene	1.062	1.008	5.1	88	0.00
72	Anthracene	1.083	1.044	3.6	90	0.00
73	Carbazole	0.946	0.911	3.7	87	0.00
74	Di-n-butylphthalate	1.070	1.053	1.6	87	0.00
75 C	Fluoranthene	0.975	0.946	3.0	89	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77	Benzydine	0.771	0.760	1.4	78	0.00
78	Pyrene	1.707	1.562	8.5	89	0.00
79 S	Terphenyl-d14	1.344	1.220	9.2	91	0.00
80	Butylbenzylphthalate	0.523	0.515	1.5	92	0.00
81	Benzo(a)anthracene	1.339	1.282	4.3	98	0.00
82	3,3'-Dichlorobenzidine	0.446	0.437	2.0	99	0.00
83	Chrysene	1.204	1.187	1.4	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.789	0.3	97	0.00
85 c	Di-n-octyl phthalate	1.434	1.381	3.7	97	0.00
86 I	Perylene-d12	1.000	1.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.396	1.0	101	0.00
88	Benzo(b)fluoranthene	1.222	1.169	4.3	104	0.00
89	Benzo(k)fluoranthene	1.090	1.072	1.7	97	0.00
90 C	Benzo(a)pyrene	1.126	1.108	1.6	101	0.00
91	Dibenzo(a,h)anthracene	1.148	1.145	0.3	102	0.00
92	Benzo(g,h,i)perylene	1.110	1.112	-0.2	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143159.D
Acq On : 18 Jul 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
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\BF071825\
 Data File : BF143159.D
 Acq On : 18 Jul 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	95	0.00
2	1,4-Dioxane	40.000	39.920	0.2	95	-0.02
3	Pyridine	40.000	39.981	0.0	96	-0.01
4	n-Nitrosodimethylamine	40.000	39.530	1.2	93	-0.01
5 S	2-Fluorophenol	80.000	77.461	3.2	95	0.00
6	Aniline	40.000	39.412	1.5	94	0.00
7 S	Phenol-d6	80.000	78.369	2.0	95	0.00
8	2-Chlorophenol	40.000	39.499	1.3	95	0.00
9	Benzaldehyde	40.000	44.083	-10.2	87	0.00
10 C	Phenol	40.000	39.541	1.1	95	0.00
11	bis(2-Chloroethyl)ether	40.000	39.794	0.5	96	0.00
12	1,3-Dichlorobenzene	40.000	39.128	2.2	96	0.00
13 C	1,4-Dichlorobenzene	40.000	39.021	2.4	95	0.00
14	1,2-Dichlorobenzene	40.000	39.500	1.3	96	0.00
15	Benzyl Alcohol	40.000	39.318	1.7	93	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.828	0.4	96	0.00
17	2-Methylphenol	40.000	39.132	2.2	95	0.00
18	Hexachloroethane	40.000	39.782	0.5	96	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.640	3.4	95	0.00
20	3+4-Methylphenols	40.000	39.947	0.1	96	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22	Acetophenone	40.000	38.543	3.6	95	0.00
23 S	Nitrobenzene-d5	80.000	81.865	-2.3	98	0.00
24	Nitrobenzene	40.000	40.238	-0.6	95	0.00
25	Isophorone	40.000	39.206	2.0	95	0.00
26 C	2-Nitrophenol	40.000	41.068	-2.7	92	0.00
27	2,4-Dimethylphenol	40.000	39.035	2.4	95	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.942	2.6	95	0.00
29 C	2,4-Dichlorophenol	40.000	39.173	2.1	94	0.00
30	1,2,4-Trichlorobenzene	40.000	39.212	2.0	96	0.00
31	Naphthalene	40.000	38.699	3.3	95	0.00
32	Benzoic acid	40.000	37.681	5.8	90	0.00
33	4-Chloroaniline	40.000	38.494	3.8	94	0.00
34 C	Hexachlorobutadiene	40.000	39.494	1.3	96	0.00
35	Caprolactam	40.000	39.775	0.6	92	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.087	2.3	94	0.00
37	2-Methylnaphthalene	40.000	38.372	4.1	94	0.00
38	1-Methylnaphthalene	40.000	38.636	3.4	95	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	93	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.031	2.4	95	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.056	-0.1	94	0.00
42 S	2,4,6-Tribromophenol	80.000	76.741	4.1	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.663	3.3	93	0.00
44	2,4,5-Trichlorophenol	40.000	39.814	0.5	91	0.00
45 S	2-Fluorobiphenyl	80.000	75.119	6.1	94	0.00
46	1,1'-Biphenyl	40.000	38.317	4.2	93	0.00
47	2-Chloronaphthalene	40.000	38.940	2.7	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143159.D
 Acq On : 18 Jul 2025 11:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 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	40.934	-2.3	92	0.00
49	Acenaphthylene	40.000	38.471	3.8	93	0.00
50	Dimethylphthalate	40.000	38.438	3.9	91	0.00
51	2,6-Dinitrotoluene	40.000	40.722	-1.8	90	0.00
52 C	Acenaphthene	40.000	38.188	4.5	93	0.00
53	3-Nitroaniline	40.000	39.413	1.5	90	0.00
54 P	2,4-Dinitrophenol	40.000	37.648	5.9	91	0.00
55	Dibenzofuran	40.000	38.410	4.0	93	0.00
56 P	4-Nitrophenol	40.000	38.194	4.5	84	0.00
57	2,4-Dinitrotoluene	40.000	40.255	-0.6	88	0.00
58	Fluorene	40.000	37.763	5.6	92	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.158	2.1	91	0.00
60	Diethylphthalate	40.000	38.881	2.8	92	0.00
61	4-Chlorophenyl-phenylether	40.000	37.677	5.8	91	0.00
62	4-Nitroaniline	40.000	39.243	1.9	87	0.00
63	Azobenzene	40.000	38.661	3.3	91	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65	4,6-Dinitro-2-methylphenol	40.000	38.326	4.2	89	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.980	2.6	91	0.00
67	4-Bromophenyl-phenylether	40.000	39.655	0.9	92	0.00
68	Hexachlorobenzene	40.000	39.010	2.5	91	0.00
69	Atrazine	40.000	40.039	-0.1	88	0.00
70 C	Pentachlorophenol	40.000	41.098	-2.7	91	0.00
71	Phenanthrene	40.000	37.965	5.1	88	0.00
72	Anthracene	40.000	38.541	3.6	90	0.00
73	Carbazole	40.000	38.533	3.7	87	0.00
74	Di-n-butylphthalate	40.000	39.361	1.6	87	0.00
75 C	Fluoranthene	40.000	38.801	3.0	89	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77	Benzydine	40.000	39.430	1.4	78	0.00
78	Pyrene	40.000	36.600	8.5	89	0.00
79 S	Terphenyl-d14	80.000	72.598	9.3	91	0.00
80	Butylbenzylphthalate	40.000	39.398	1.5	92	0.00
81	Benzo(a)anthracene	40.000	38.300	4.3	98	0.00
82	3,3'-Dichlorobenzidine	40.000	39.157	2.1	99	0.00
83	Chrysene	40.000	39.426	1.4	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.907	0.2	97	0.00
85 c	Di-n-octyl phthalate	40.000	38.530	3.7	97	0.00
86 I	Perylene-d12	20.000	20.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.594	1.0	101	0.00
88	Benzo(b)fluoranthene	40.000	38.273	4.3	104	0.00
89	Benzo(k)fluoranthene	40.000	39.341	1.6	97	0.00
90 C	Benzo(a)pyrene	40.000	39.362	1.6	101	0.00
91	Dibenzo(a,h)anthracene	40.000	39.900	0.3	102	0.00
92	Benzo(g,h,i)perylene	40.000	40.073	-0.2	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143159.D
Acq On : 18 Jul 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 11:50:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
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



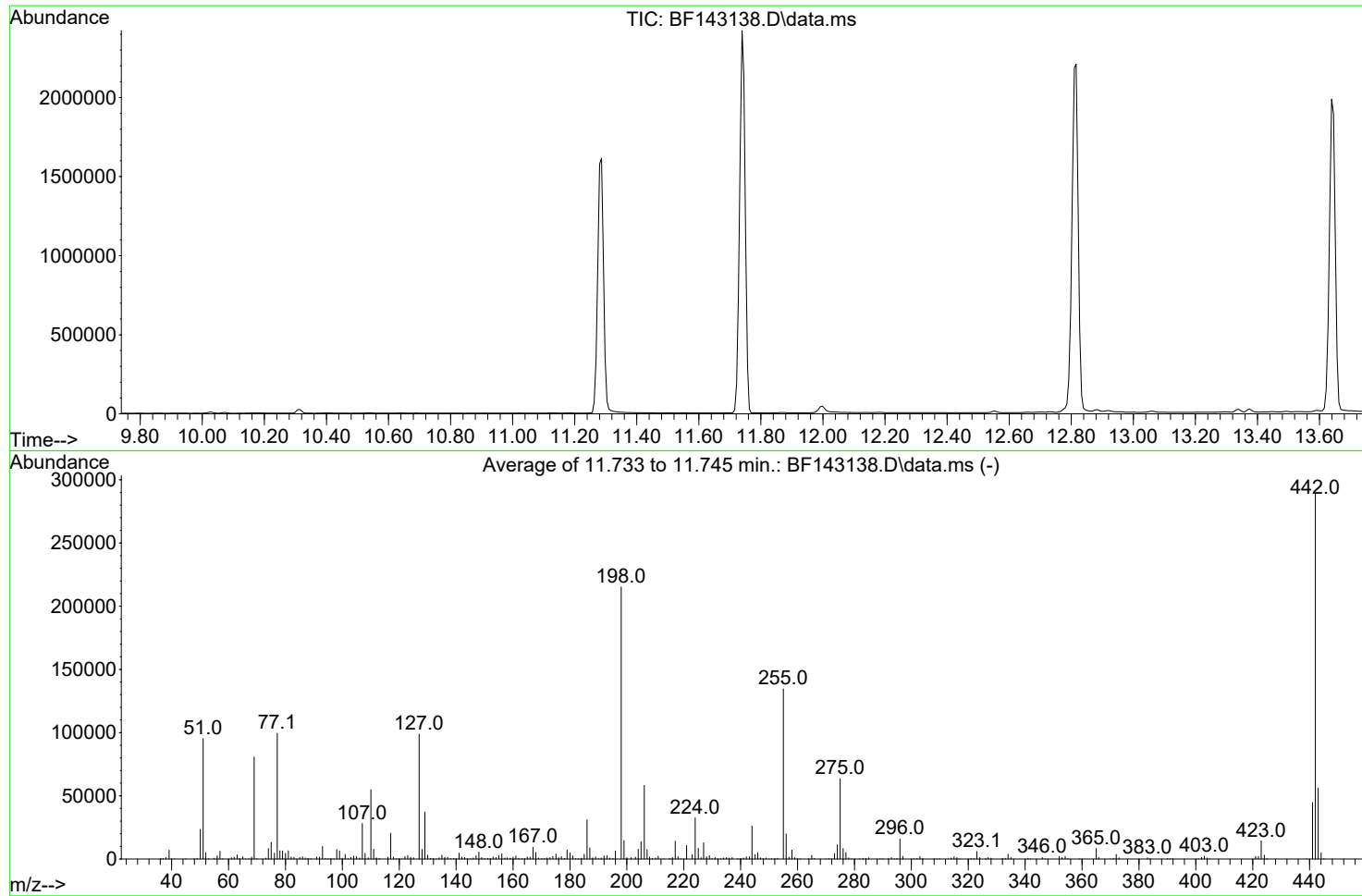
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025



AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1515	PASS
69	69	100	100	100.0	80680	PASS
70	69	0.00	2	0.5	430	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	215296	PASS
199	198	5	9	6.8	14617	PASS
365	198	1	100	3.8	8287	PASS
441	443	0.01	150	79.6	44723	PASS
442	442	100	100	100.0	288853	PASS
443	442	15	24	19.5	56203	PASS

DDT Breakdown

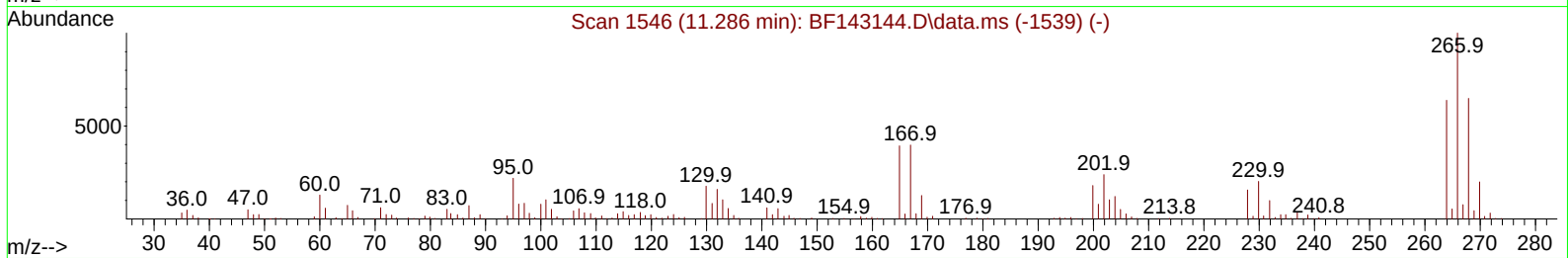
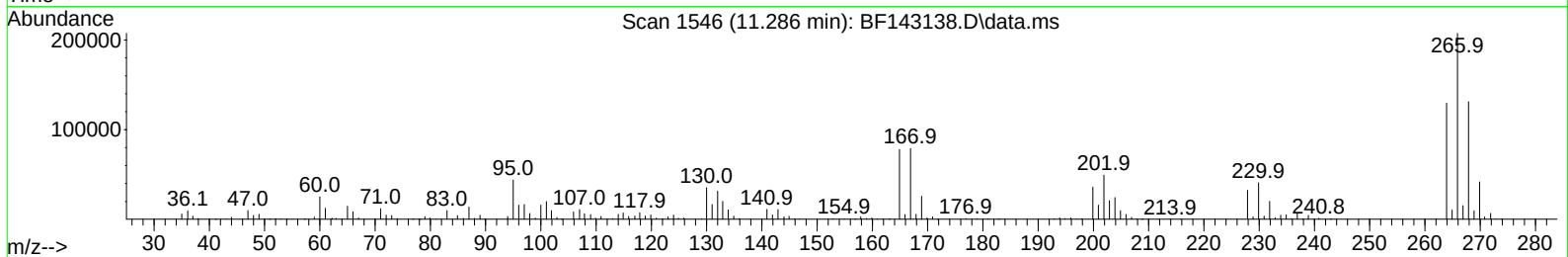
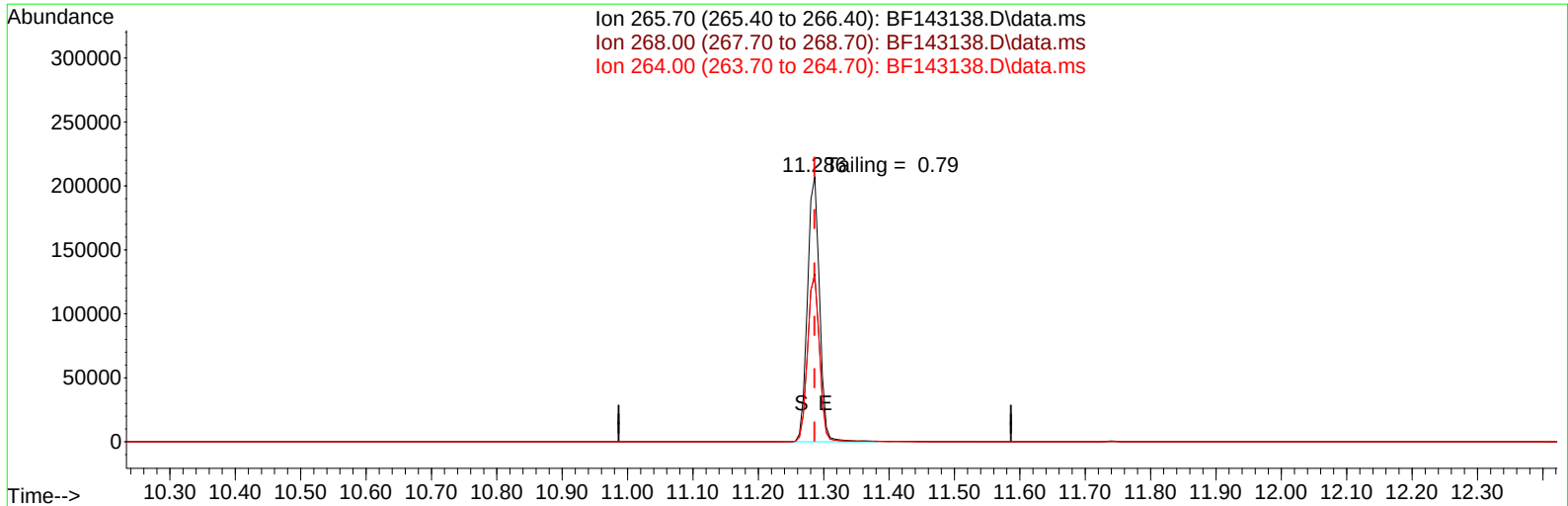
Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_F	<u>BF143138.D</u>
Compound Name	Response	Retention Time
DDT	490244	13.639
DDD	9488	13.339
DDE	328	13.004
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9816	500060	1.96

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143138.D\data.ms

(70) Pentachlorophenol (C)

11.286min (+ 0.000) 29509.64 ng

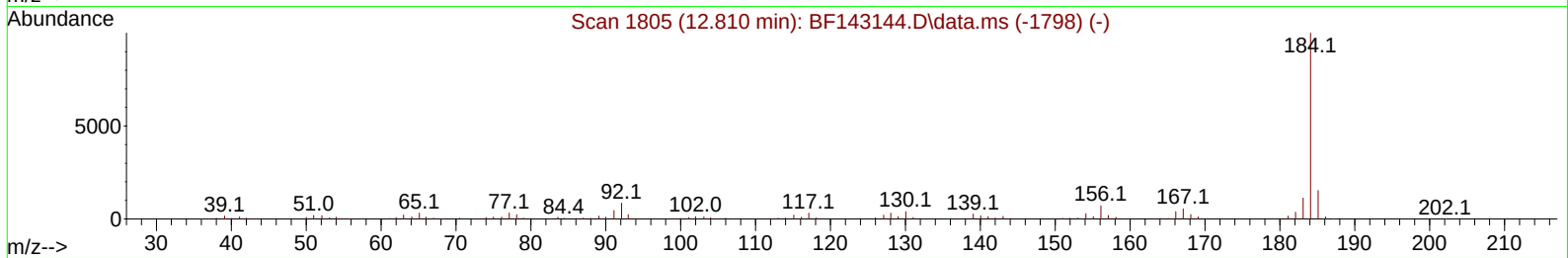
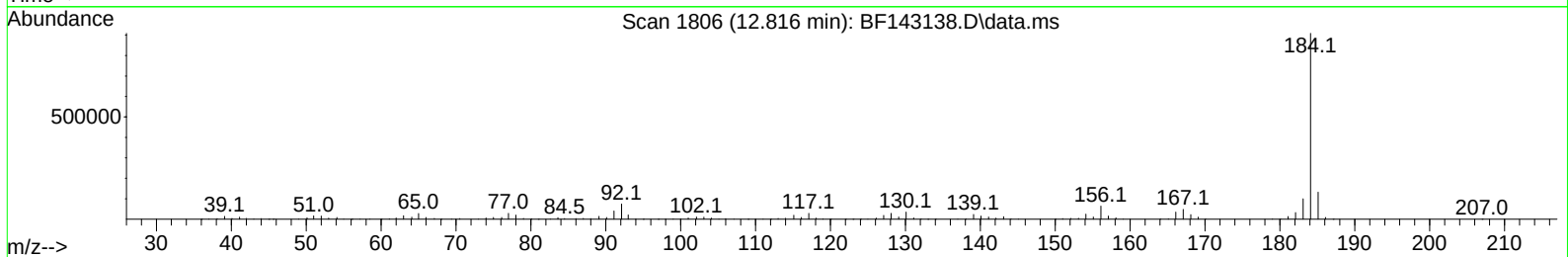
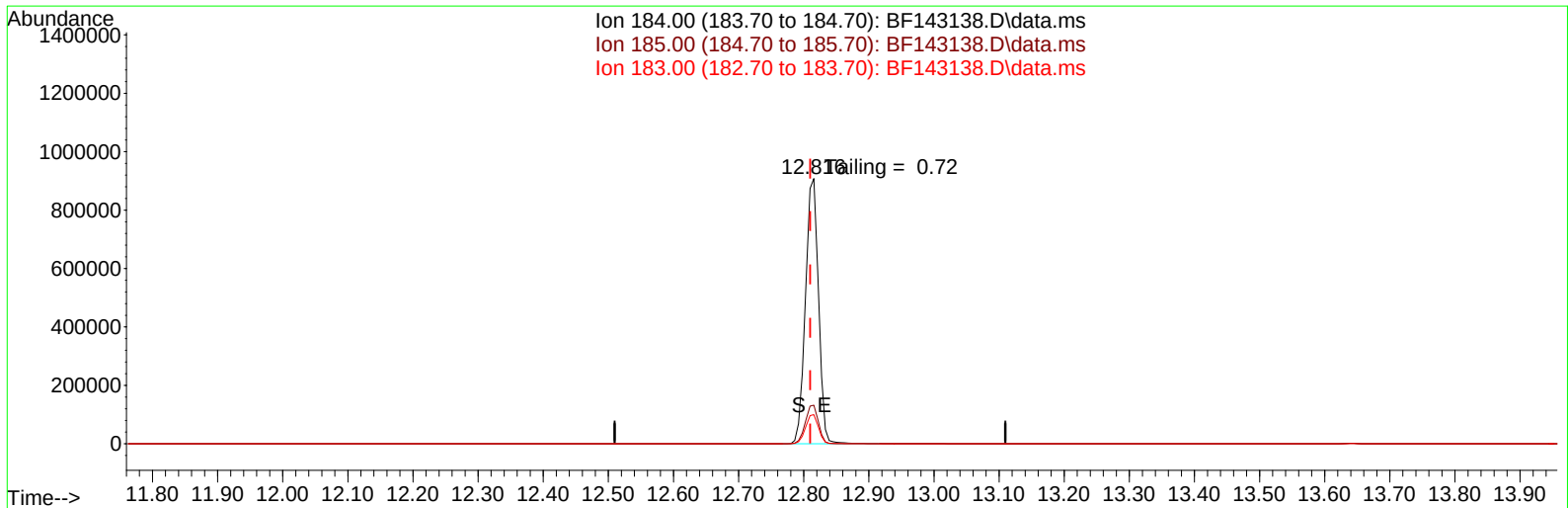
response 268044

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.24
264.00	63.80	62.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143138.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 0.00 ng

response 1266864

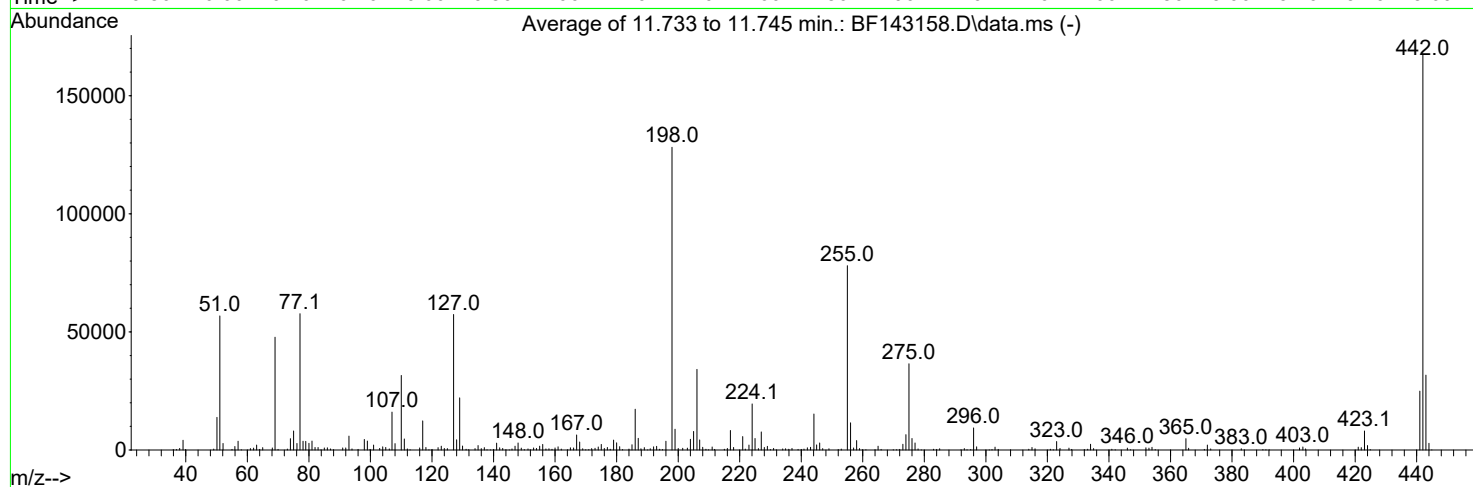
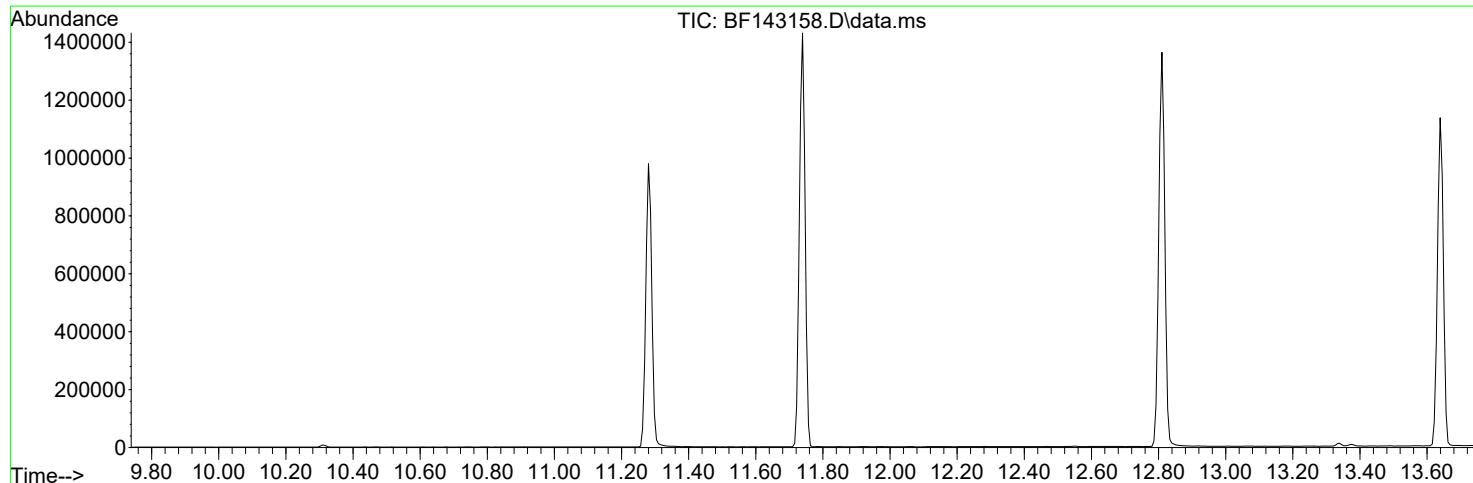
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.57
183.00	11.20	10.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143158.D
Acq On : 18 Jul 2025 10:55
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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025



AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	919	PASS
69	69	100	100	100.0	47752	PASS
70	69	0.00	2	0.6	277	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	128128	PASS
199	198	5	9	6.9	8805	PASS
365	198	1	100	3.8	4844	PASS
441	443	0.01	150	78.8	24960	PASS
442	442	100	100	100.0	167149	PASS
443	442	15	24	19.0	31683	PASS

DDT Breakdown

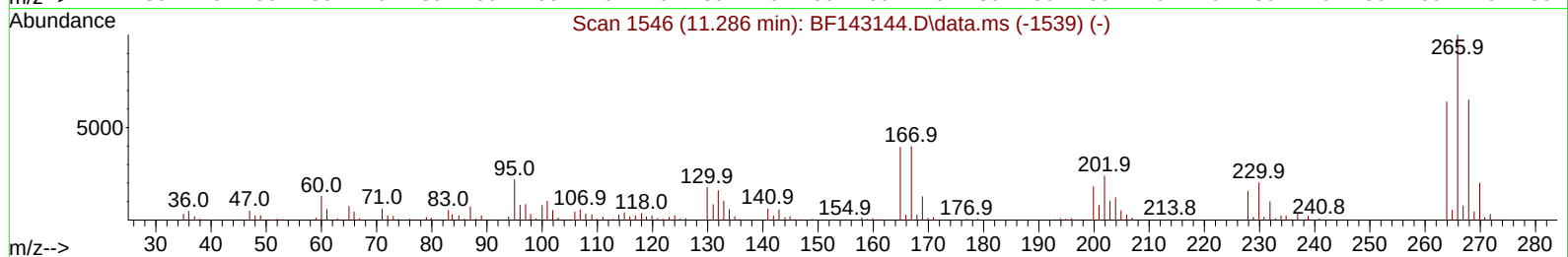
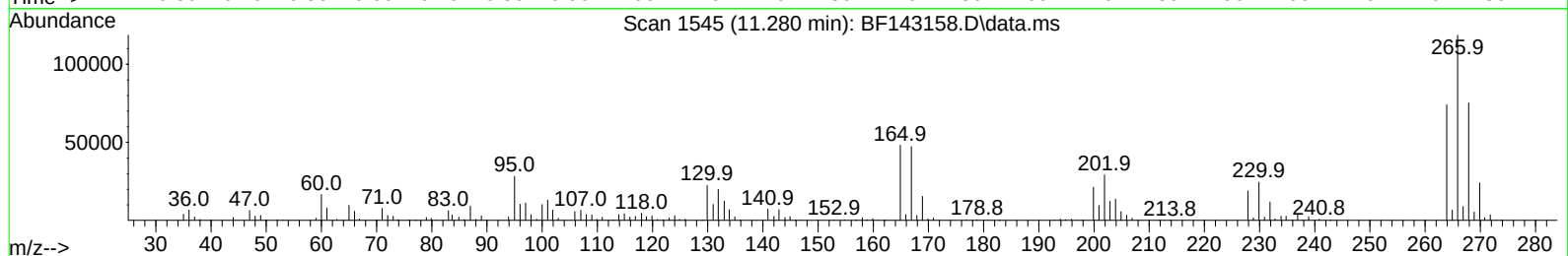
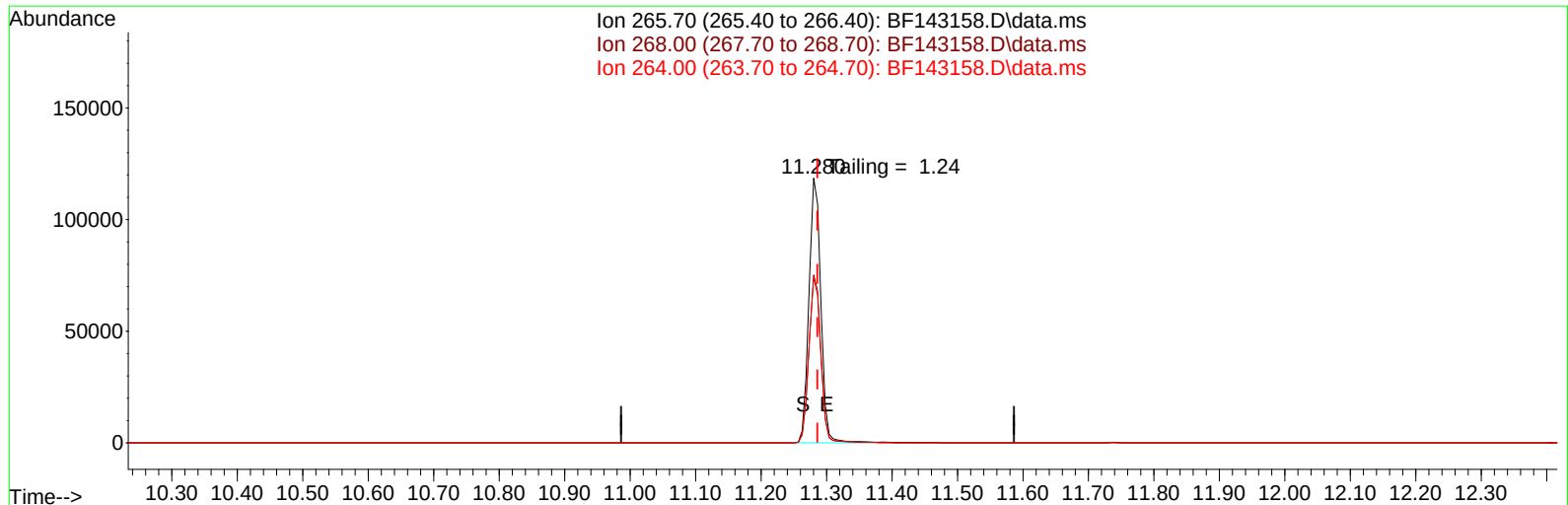
Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_F	<u>BF143138.D</u>
Compound Name	Response	Retention Time
DDT	262709	13.639
DDD	5014	13.339
DDE	214	13.004
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5228	267937	1.95

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143158.D
Acq On : 18 Jul 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 18 12:10:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143158.D\data.ms

(70) Pentachlorophenol (C)

11.280min (-0.006) 27822.04 ng

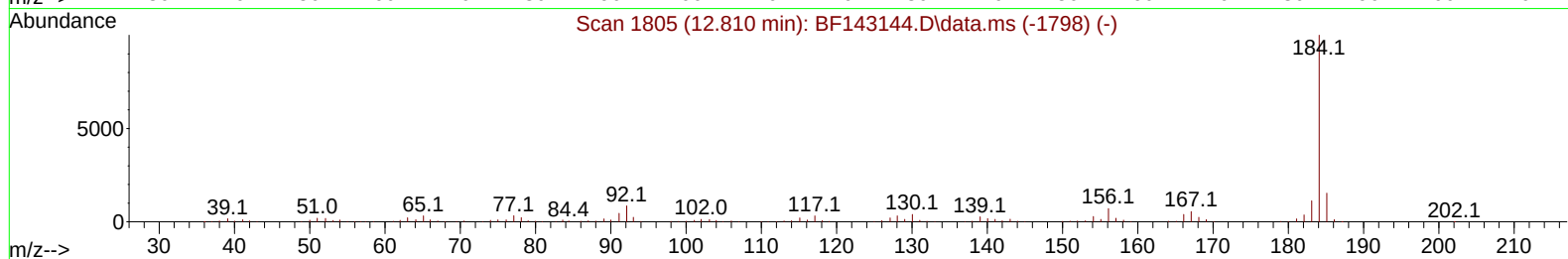
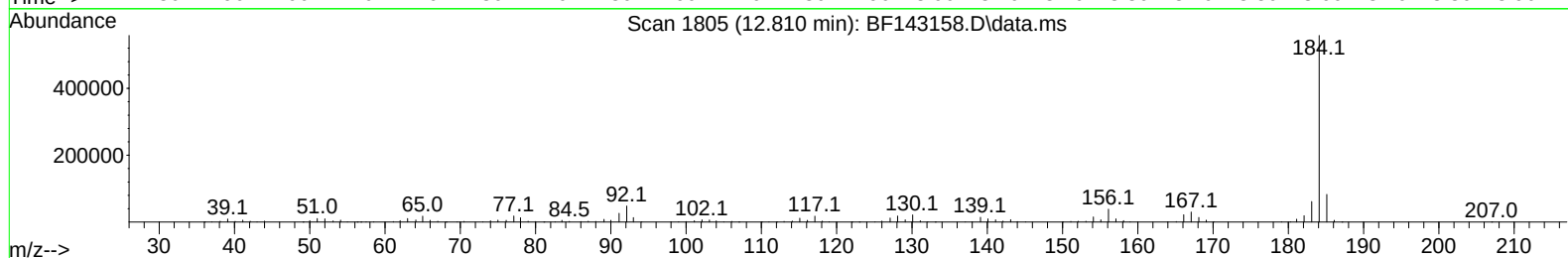
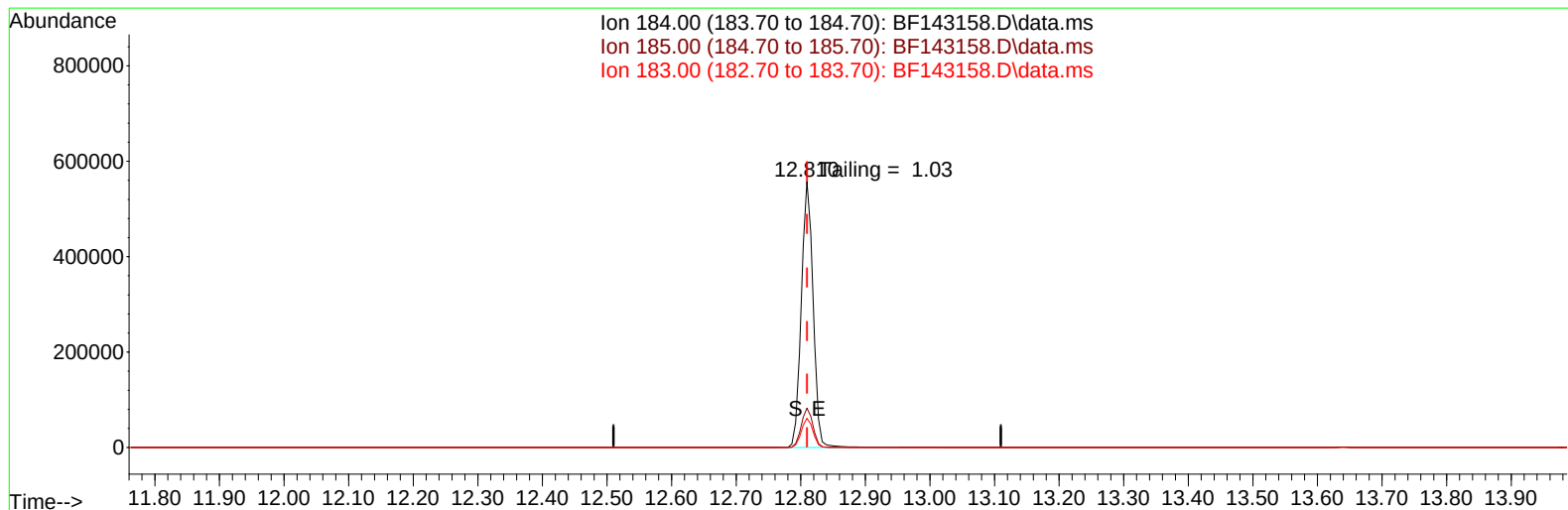
response 150610

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.42
264.00	63.80	62.47
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143158.D
Acq On : 18 Jul 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 18 12:10:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143158.D\data.ms

(77) Benzidine

12.810min (-0.000) 0.00 ng

response 711133

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.82
183.00	11.20	10.97
0.00	0.00	0.00

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2585
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	0.86	U	0.86	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	5.00	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2585
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
103-33-3	Azobenzene	0.81	U	0.81	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
92-87-5	Benzidine	4.30	U	4.30	10.0	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	82.8		60 - 140	83%	SPK: 100
13127-88-3	Phenol-d6	83.0		60 - 140	83%	SPK: 100
4165-60-0	Nitrobenzene-d5	79.3		60 - 140	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.8		60 - 140	76%	SPK: 100

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BL	SDG No.:	Q2585
Lab Sample ID:	PB168904BL	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143164.D	1	07/17/25 08:39	07/18/25 13:52	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	69.4		60 - 140	69%	SPK: 100
1718-51-0	Terphenyl-d14	82.8		60 - 140	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	144000	6.957
1146-65-2	Naphthalene-d8	555000	8.239
15067-26-2	Acenaphthene-d10	293000	9.998
1517-22-2	Phenanthrene-d10	505000	11.48
1719-03-5	Chrysene-d12	280000	14.116
1520-96-3	Perylene-d12	286000	15.621

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\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Time: Jul 18 14:13:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	144227	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	555488	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293300	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	504948	20.000	ng	0.00
76) Chrysene-d12	14.116	240	280403	20.000	ng	0.00
86) Perylene-d12	15.621	264	285721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	754293	82.761	ng	0.00
7) Phenol-d6	6.575	99	952370	83.019	ng	-0.01
23) Nitrobenzene-d5	7.516	82	883646	79.294	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	210370	69.430	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1626010	75.819	ng	0.00
79) Terphenyl-d14	13.069	244	1559712	82.774	ng	0.00

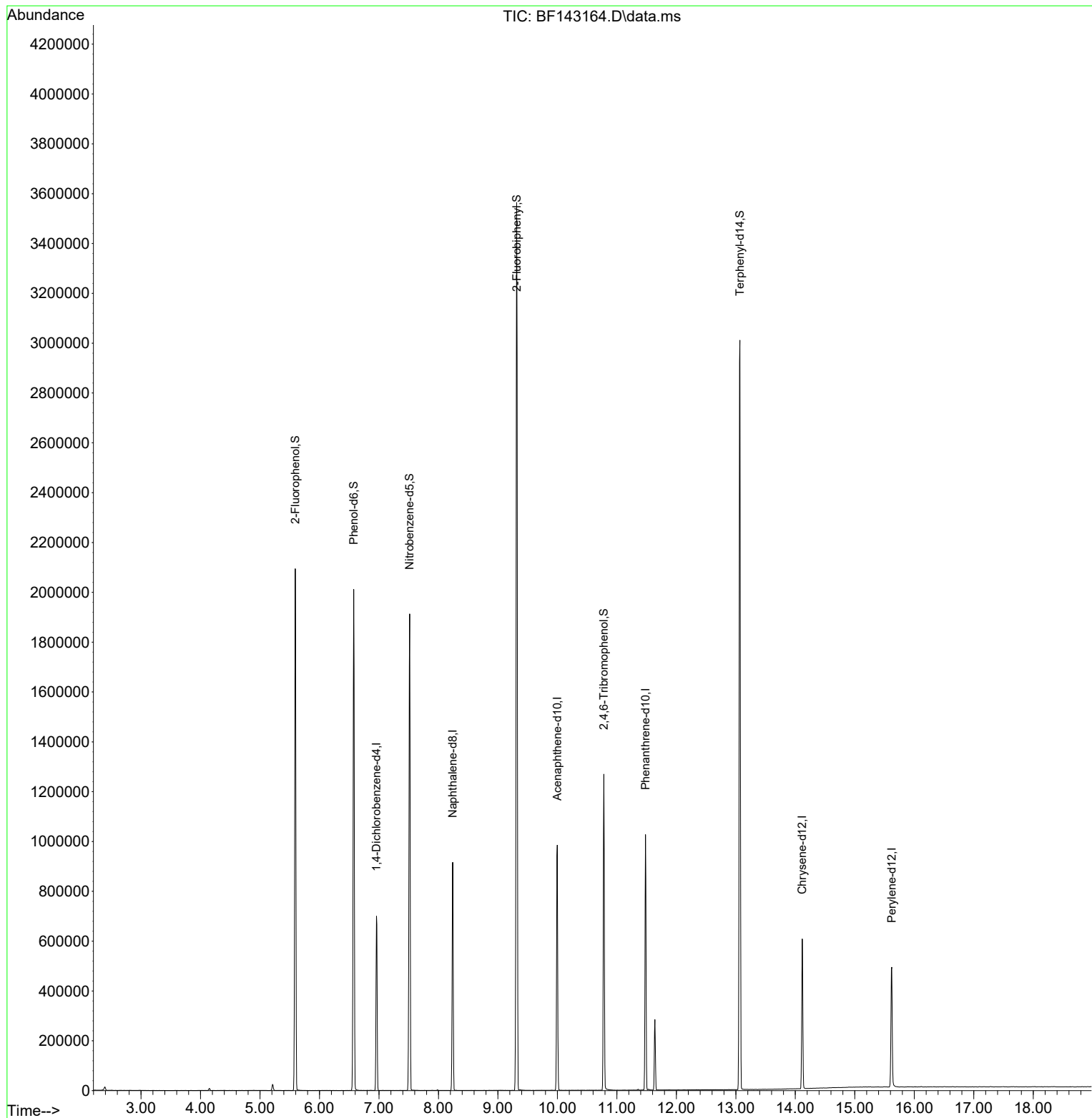
Target Compounds	Qvalue

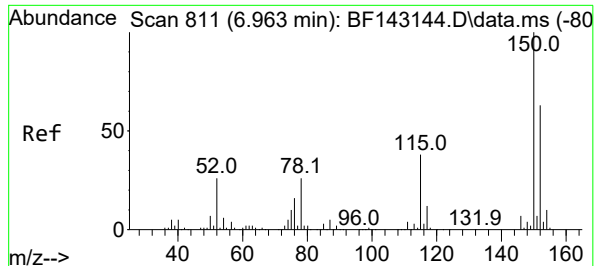
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Time: Jul 18 14:13:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

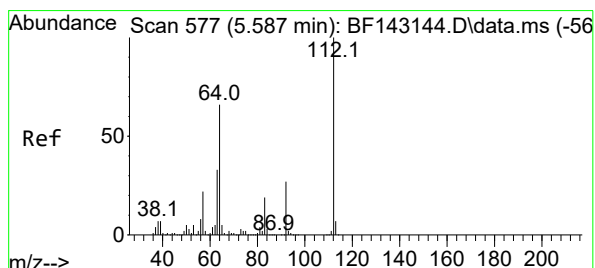
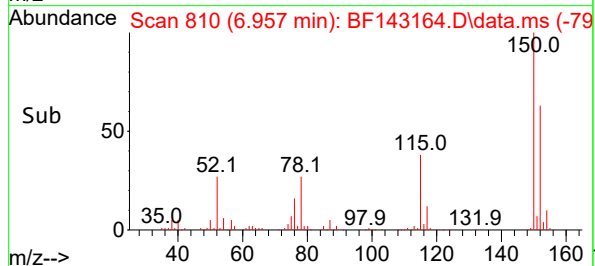
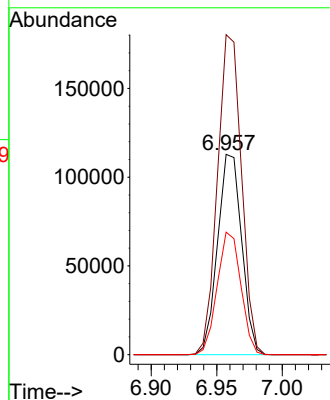
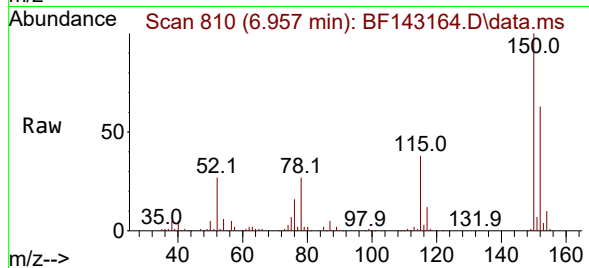




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

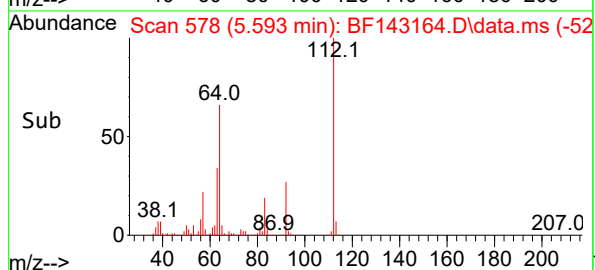
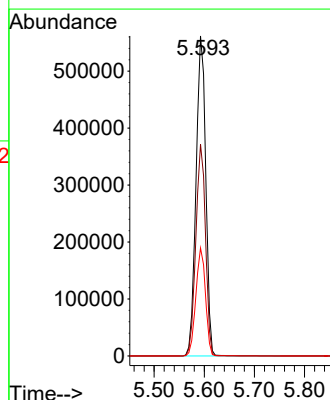
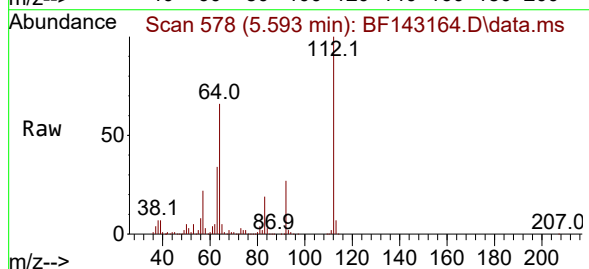
Instrument :
BNA_F
ClientSampleId :
PB168904BL

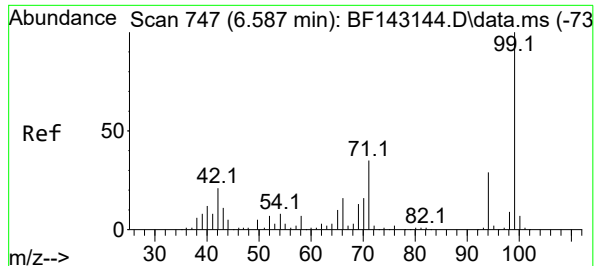
Tgt Ion:152 Resp: 144227
Ion Ratio Lower Upper
152 100
150 159.8 128.2 192.4
115 61.2 47.9 71.9



#5
2-Fluorophenol
Concen: 82.761 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:112 Resp: 754293
Ion Ratio Lower Upper
112 100
64 66.2 53.1 79.7
63 33.7 26.6 40.0

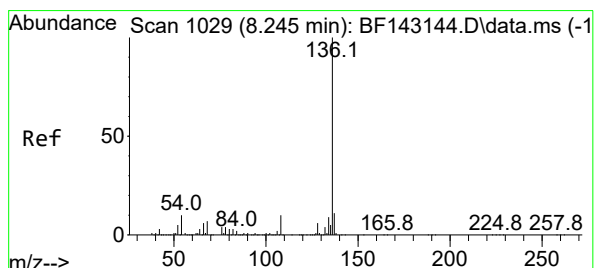
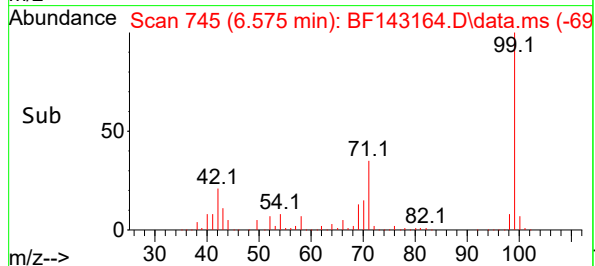
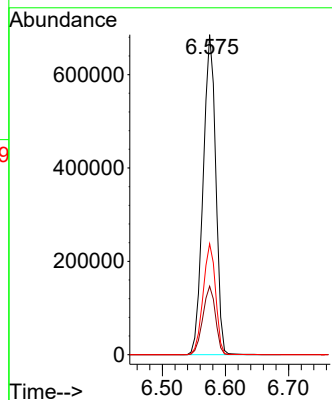
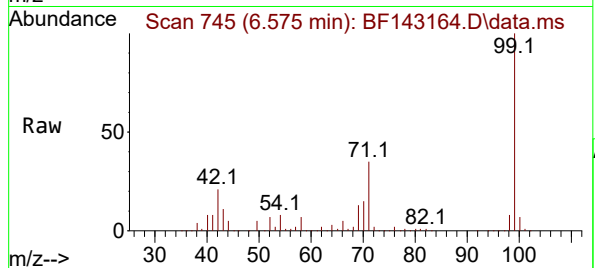




#7
Phenol-d6
Concen: 83.019 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

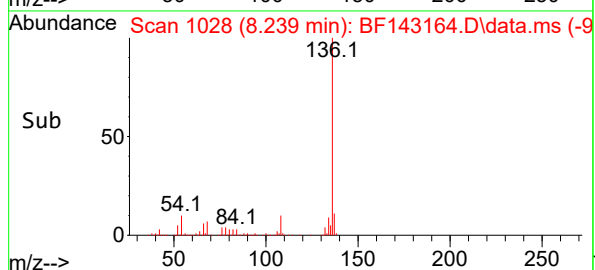
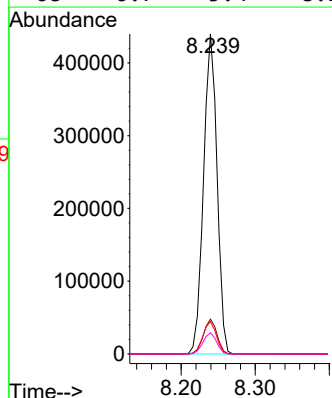
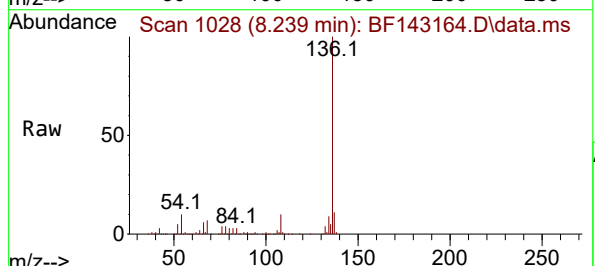
Instrument :
BNA_F
ClientSampleId :
PB168904BL

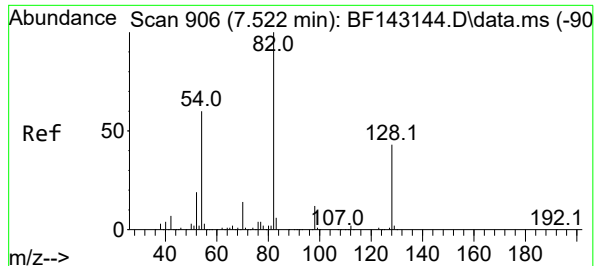
Tgt Ion: 99 Resp: 952370
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 34.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion: 136 Resp: 555488
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.2 12.2
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 79.294 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL

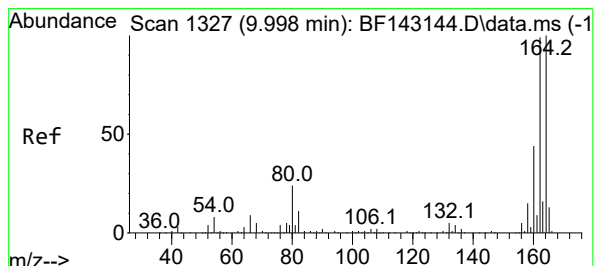
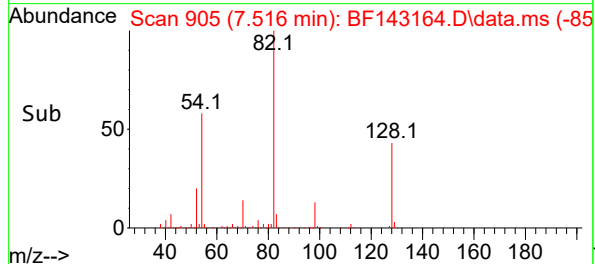
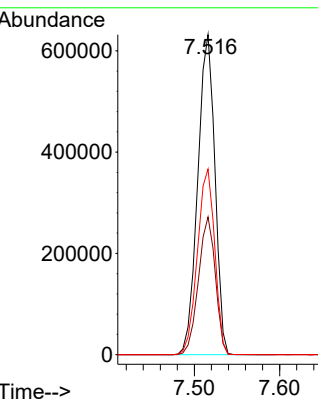
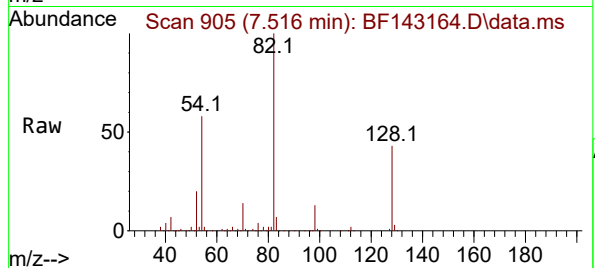
Tgt Ion: 82 Resp: 883646

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 58.0 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

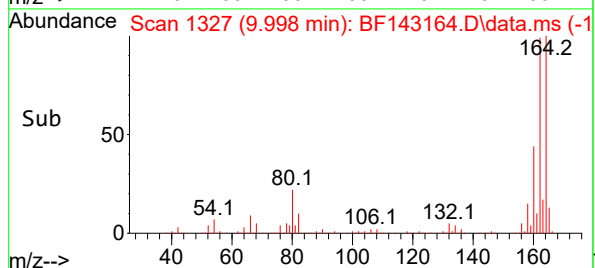
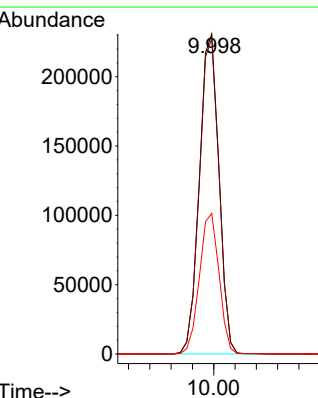
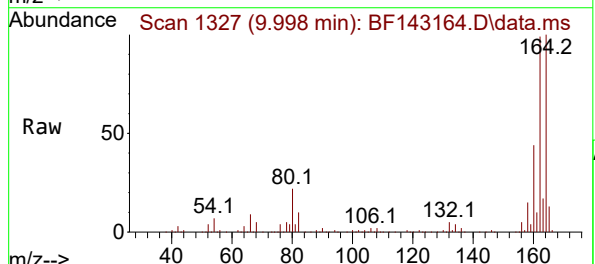
Tgt Ion: 164 Resp: 293300

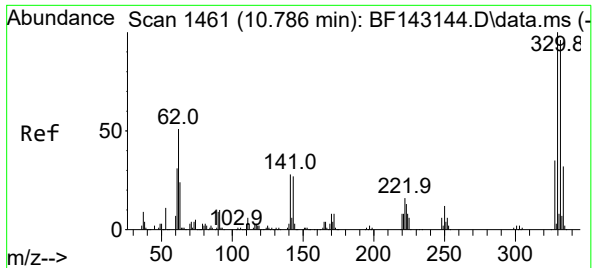
Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 43.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 69.430 ng

RT: 10.780 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143164.D

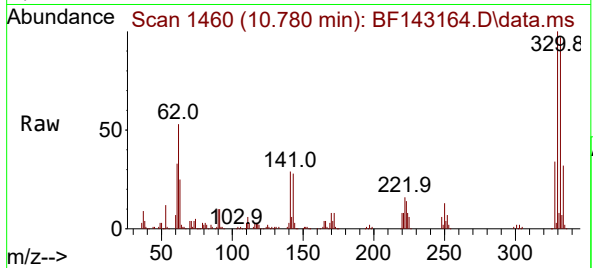
Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL



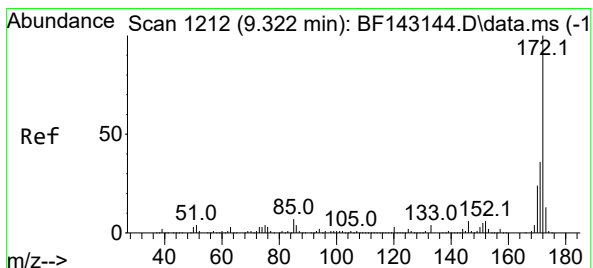
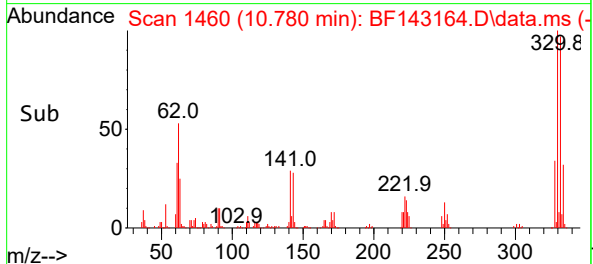
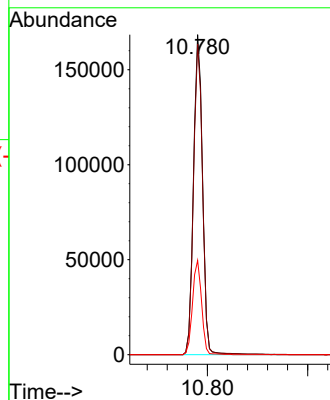
Tgt Ion:330 Resp: 210370

Ion Ratio Lower Upper

330 100

332 97.4 76.7 115.1

141 29.5 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 75.819 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

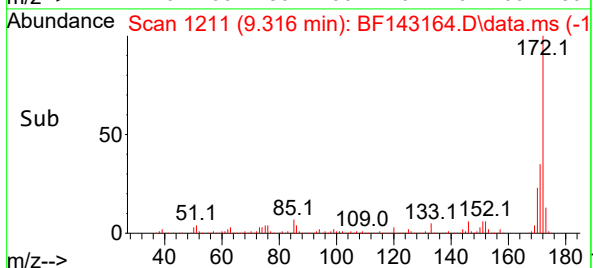
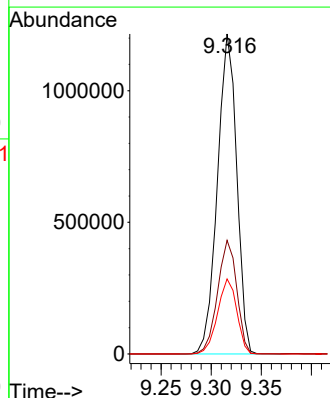
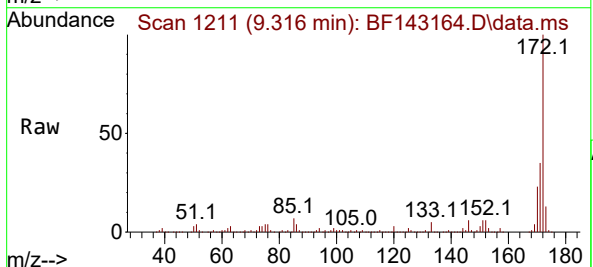
Tgt Ion:172 Resp: 1626010

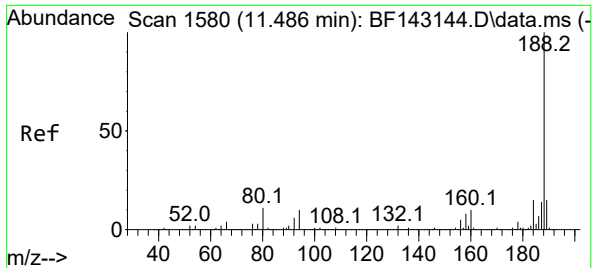
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.4 18.8 28.2

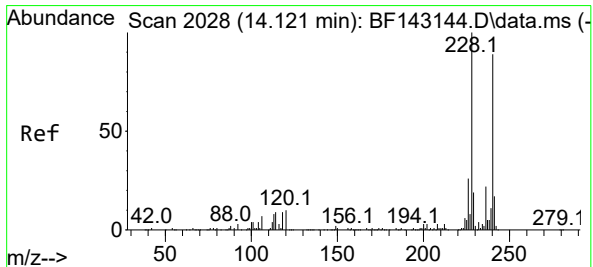
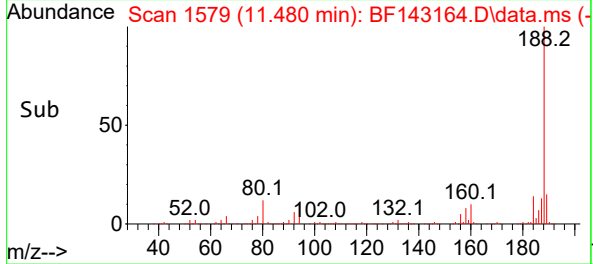
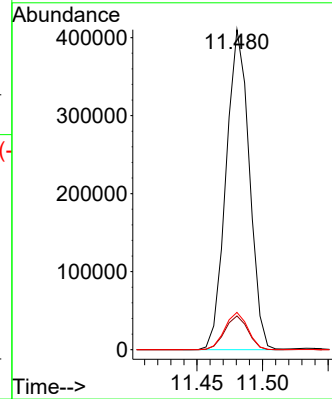
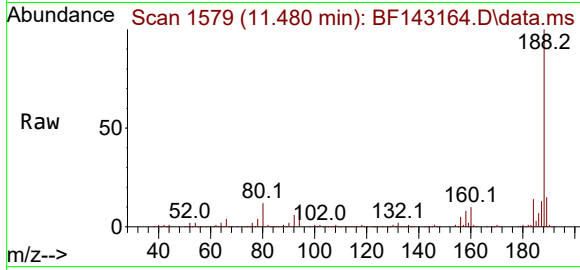




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

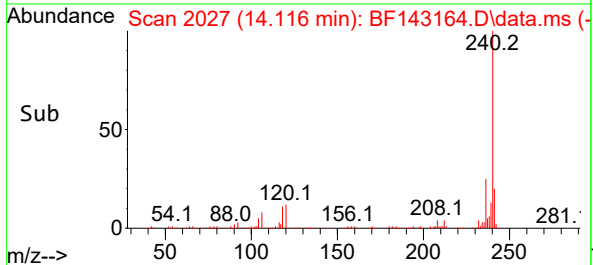
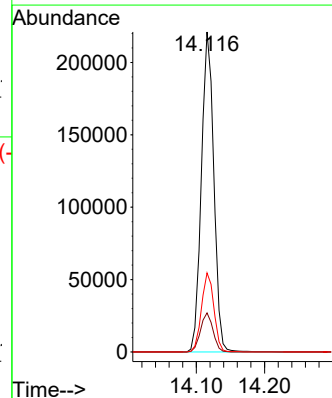
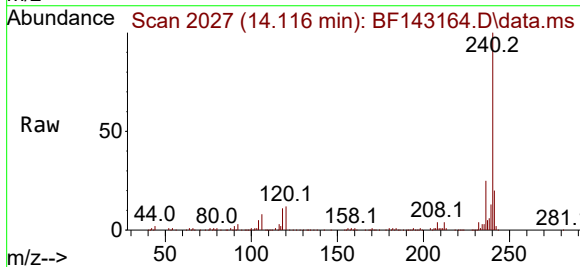
Instrument :
BNA_F
ClientSampleId :
PB168904BL

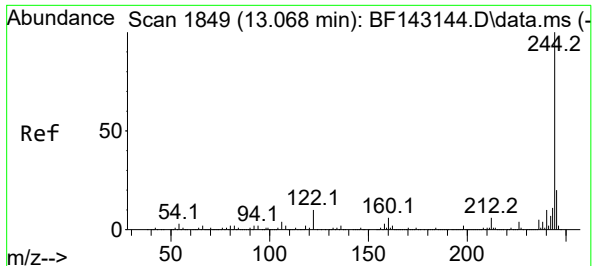
Tgt Ion:188 Resp: 504948
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.7 9.0 13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:240 Resp: 280403
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 24.7 20.2 30.4





#79

Terphenyl-d14

Concen: 82.774 ng

RT: 13.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL

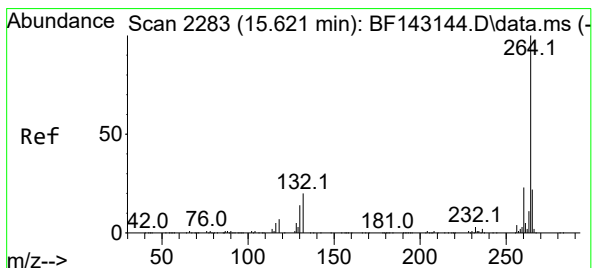
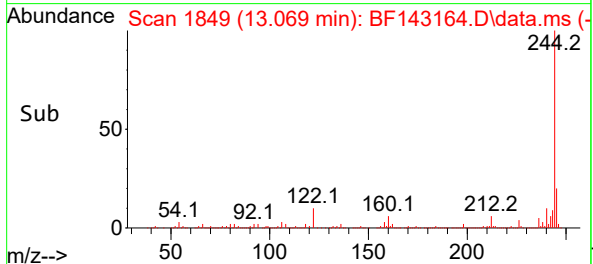
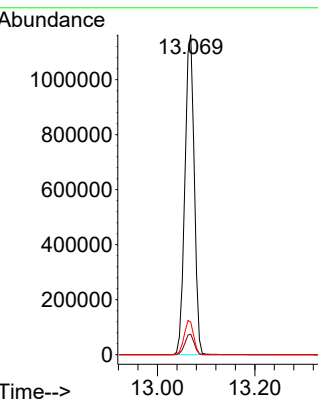
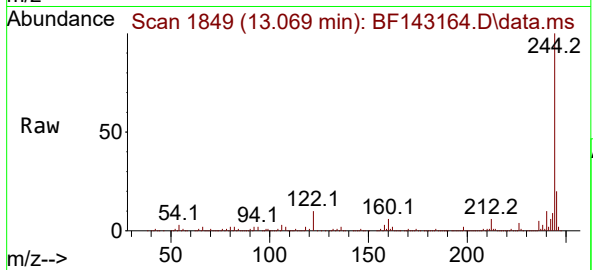
Tgt Ion:244 Resp: 1559712

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.1 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

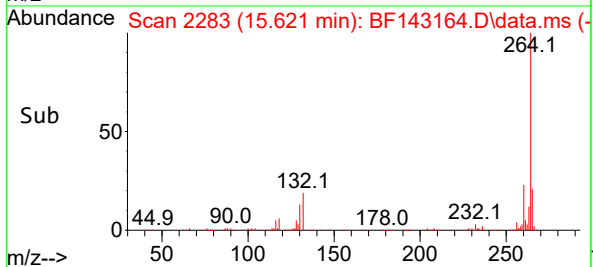
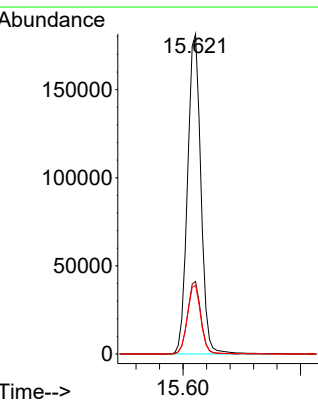
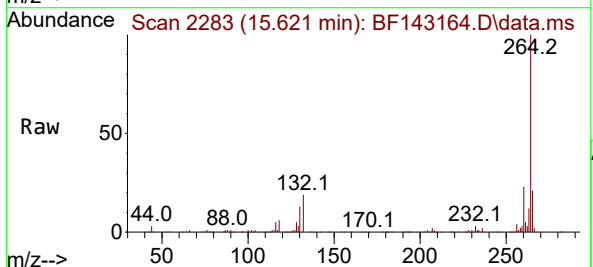
Tgt Ion:264 Resp: 285721

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 21.4 17.4 26.2



Report of Analysis

Client:	Ardmore Chemical		Date Collected:	
Project:	PVSC Monthly 2025		Date Received:	
Client Sample ID:	PB168904BS		SDG No.:	Q2585
Lab Sample ID:	PB168904BS		Matrix:	Water
Analytical Method:	625.1		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group1
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143162.D	1	07/17/25 08:39	07/18/25 12:53	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	42.4		0.86	10.0	ug/L
108-95-2	Phenol	42.4		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.5		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	42.7		0.58	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.7		1.30	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.4		1.40	5.00	ug/L
67-72-1	Hexachloroethane	43.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.0		0.76	5.00	ug/L
78-59-1	Isophorone	43.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.4		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.6		0.52	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.7		0.54	5.00	ug/L
91-20-3	Naphthalene	42.9		0.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.9		0.54	5.00	ug/L
59-50-7	4-Chloro-3-methylphenol	44.1		0.59	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	86.3	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	42.9		0.51	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.6		0.61	5.00	ug/L
131-11-3	Dimethylphthalate	43.9		0.61	5.00	ug/L
208-96-8	Acenaphthylene	43.2		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.2		0.92	5.00	ug/L
83-32-9	Acenaphthene	46.2		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	90.5	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	89.2	E	2.40	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	48.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	44.7		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.4		0.68	5.00	ug/L

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BS	SDG No.:	Q2585
Lab Sample ID:	PB168904BS	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143162.D	1	07/17/25 08:39	07/18/25 12:53	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-73-7	Fluorene	42.8		0.63	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.1		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.8		0.58	5.00	ug/L
103-33-3	Azobenzene	44.1		0.81	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.7		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	91.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.8		0.50	5.00	ug/L
120-12-7	Anthracene	43.8		0.61	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.2		0.82	5.00	ug/L
92-87-5	Benzidine	41.4		4.30	10.0	ug/L
129-00-0	Pyrene	44.7		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	47.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.1		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.2		0.45	5.00	ug/L
218-01-9	Chrysene	45.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	46.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.7		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	46.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	79.6	60 - 140	80%	SPK: 100
13127-88-3	Phenol-d6	80.9	60 - 140	81%	SPK: 100
4165-60-0	Nitrobenzene-d5	80.0	60 - 140	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5	60 - 140	74%	SPK: 100

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BS	SDG No.:	Q2585
Lab Sample ID:	PB168904BS	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143162.D	1	07/17/25 08:39	07/18/25 12:53	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.6		60 - 140	84%	SPK: 100
1718-51-0	Terphenyl-d14	78.8		60 - 140	79%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	6.963
1146-65-2	Naphthalene-d8	541000	8.245
15067-26-2	Acenaphthene-d10	282000	9.998
1517-22-2	Phenanthrene-d10	448000	11.48
1719-03-5	Chrysene-d12	250000	14.121
1520-96-3	Perylene-d12	283000	15.621

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\BF071825\
 Data File : BF143162.D
 Acq On : 18 Jul 2025 12:53
 Operator : RC/JU
 Sample : PB168904BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168904BS

Quant Time: Jul 18 13:12:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	140840	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	541427	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	282216	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	448321	20.000	ng	0.00
76) Chrysene-d12	14.121	240	250022	20.000	ng	0.00
86) Perylene-d12	15.621	264	283255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	708845	79.645	ng	0.00
7) Phenol-d6	6.581	99	905876	80.865	ng	0.00
23) Nitrobenzene-d5	7.522	82	869462	80.048	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	243592	83.552	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1536809	74.474	ng	0.00
79) Terphenyl-d14	13.063	244	1323160	78.753	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.910	88	150871	35.825	ng	99
3) Pyridine	3.657	79	415812	38.041	ng	98
4) n-Nitrosodimethylamine	3.599	42	239033	42.356	ng	98
6) Aniline	6.622	93	530673	33.990	ng	99
8) 2-Chlorophenol	6.745	128	398585	42.725	ng	99
9) Benzaldehyde	6.510	77	281039	33.457	ng	99
10) Phenol	6.598	94	516840m	42.351	ng	
11) bis(2-Chloroethyl)ether	6.692	93	396896	42.476	ng	99
12) 1,3-Dichlorobenzene	6.904	146	416857	41.133	ng	99
13) 1,4-Dichlorobenzene	6.981	146	425741	41.715	ng	99
14) 1,2-Dichlorobenzene	7.134	146	412108	42.455	ng	98
15) Benzyl Alcohol	7.098	79	369086	43.150	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	740579	42.725	ng	100
17) 2-Methylphenol	7.204	107	338040	43.095	ng	100
18) Hexachloroethane	7.481	117	152652	43.206	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	304739	42.401	ng	99
20) 3+4-Methylphenols	7.357	107	413621	43.461	ng	# 90
22) Acetophenone	7.363	105	554083	43.226	ng	97
24) Nitrobenzene	7.539	77	446004	44.043	ng	99
25) Isophorone	7.781	82	839829	43.799	ng	99
26) 2-Nitrophenol	7.857	139	203935	46.402	ng	100
27) 2,4-Dimethylphenol	7.886	122	395116	44.105	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	496181	43.160	ng	99
29) 2,4-Dichlorophenol	8.092	162	329682	43.638	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	348666	42.718	ng	99
31) Naphthalene	8.263	128	1144292	42.914	ng	100
32) Benzoic acid	7.992	122	219361	43.958	ng	98
33) 4-Chloroaniline	8.304	127	204368	18.770	ng	100
34) Hexachlorobutadiene	8.386	225	214101	42.941	ng	100
35) Caprolactam	8.669	113	107629m	47.144	ng	
36) 4-Chloro-3-methylphenol	8.781	107	362456	44.140	ng	100
37) 2-Methylnaphthalene	8.957	142	702863	43.318	ng	100
38) 1-Methylnaphthalene	9.057	142	721852	43.203	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	338541	41.550	ng	99
41) Hexachlorocyclopentadiene	9.116	237	457365	86.269	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	242153	42.942	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143162.D
 Acq On : 18 Jul 2025 12:53
 Operator : RC/JU
 Sample : PB168904BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168904BS

Quant Time: Jul 18 13:12:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

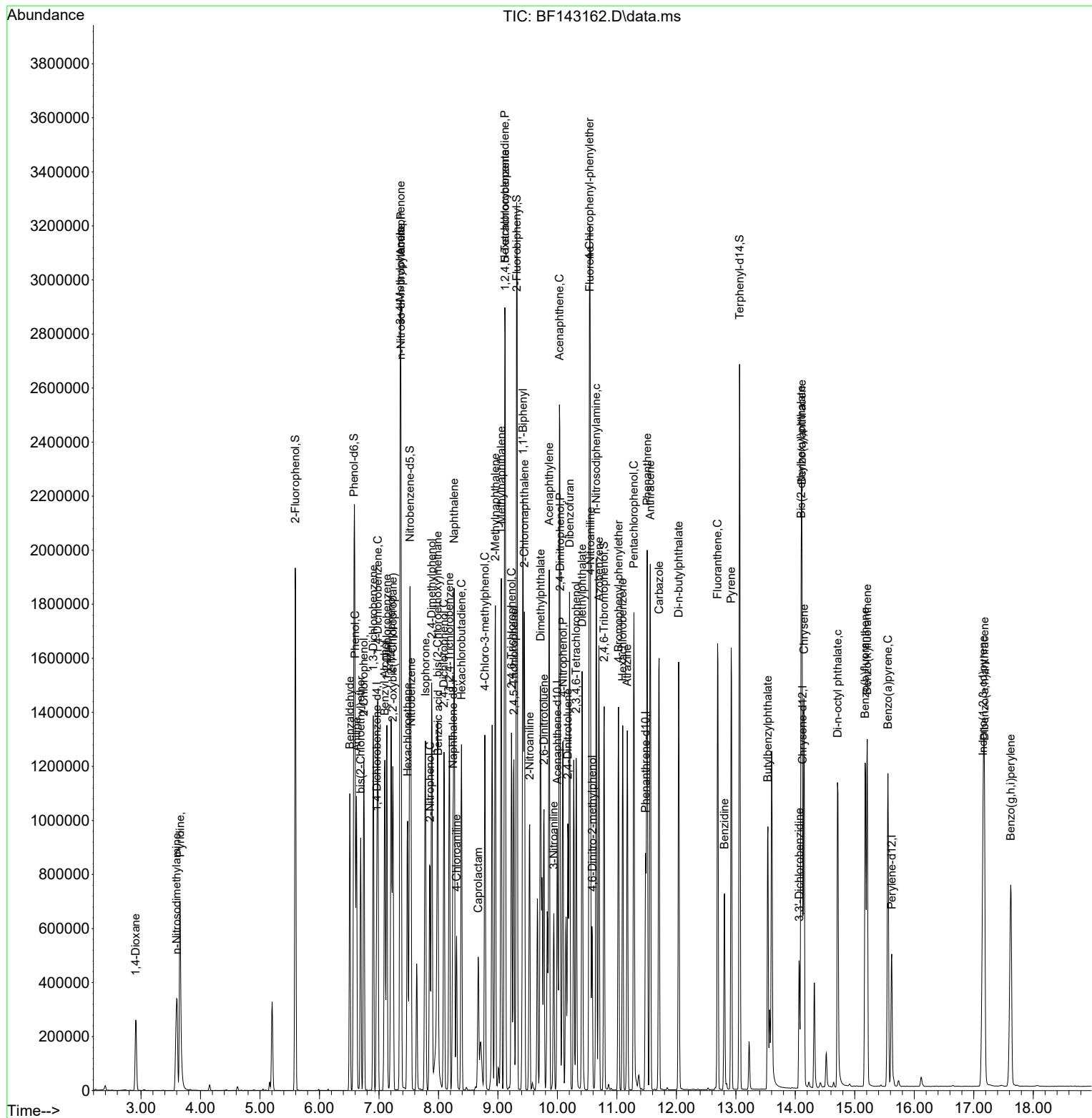
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	257533	45.656	ng	99
46) 1,1'-Biphenyl	9.422	154	953537	43.306	ng	99
47) 2-Chloronaphthalene	9.445	162	694401	42.622	ng	100
48) 2-Nitroaniline	9.533	65	238471	46.675	ng	99
49) Acenaphthylene	9.863	152	1179238	43.191	ng	100
50) Dimethylphthalate	9.716	163	807076	43.873	ng	100
51) 2,6-Dinitrotoluene	9.775	165	176735	47.227	ng	99
52) Acenaphthene	10.033	154	744758	46.151	ng	98
53) 3-Nitroaniline	9.939	138	128632	29.387	ng	99
54) 2,4-Dinitrophenol	10.045	184	155071	90.478	ng	# 8
55) Dibenzofuran	10.204	168	1021602	42.640	ng	99
56) 4-Nitrophenol	10.092	139	291400	89.152	ng	99
57) 2,4-Dinitrotoluene	10.175	165	229467	48.875	ng	99
58) Fluorene	10.545	166	770170	42.831	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	210611	45.074	ng	99
60) Diethylphthalate	10.416	149	811853	44.651	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	388946	43.440	ng	99
62) 4-Nitroaniline	10.557	138	166177	44.297	ng	99
63) Azobenzene	10.698	77	836150	44.124	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105178	45.118	ng	97
66) n-Nitrosodiphenylamine	10.651	169	690716	43.753	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	235457	44.070	ng	99
68) Hexachlorobenzene	11.098	284	249375	44.656	ng	99
69) Atrazine	11.175	200	206267	47.393	ng	100
70) Pentachlorophenol	11.286	266	299004	91.047	ng	98
71) Phenanthrene	11.510	178	1043022	43.816	ng	100
72) Anthracene	11.563	178	1063793	43.817	ng	100
73) Carbazole	11.710	167	930154	43.877	ng	100
74) Di-n-butylphthalate	12.039	149	1103396	46.000	ng	100
75) Fluoranthene	12.692	202	965500	44.189	ng	99
77) Benzidine	12.810	184	399079	41.430	ng	99
78) Pyrene	12.921	202	953662	44.693	ng	100
80) Butylbenzylphthalate	13.539	149	309177	47.318	ng	98
81) Benzo(a)anthracene	14.110	228	739873	44.201	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	140203	25.131	ng	99
83) Chrysene	14.145	228	678150	45.060	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	472409	47.767	ng	100
85) Di-n-octyl phthalate	14.710	149	833202	46.478	ng	100
87) Indeno(1,2,3-cd)pyrene	17.156	276	895590	44.839	ng	100
88) Benzo(b)fluoranthene	15.174	252	773715	44.712	ng	99
89) Benzo(k)fluoranthene	15.210	252	718119	46.506	ng	99
90) Benzo(a)pyrene	15.557	252	727999	45.662	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	731233	44.980	ng	99
92) Benzo(g,h,i)perylene	17.621	276	705378	44.855	ng	100

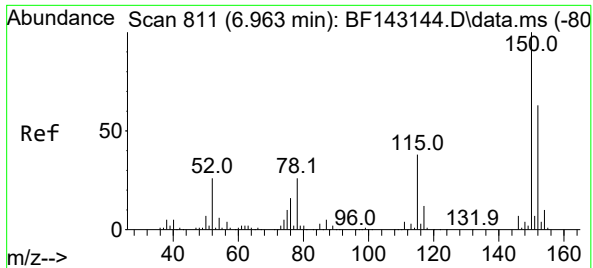
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143162.D
Acq On : 18 Jul 2025 12:53
Operator : RC/JU
Sample : PB168904BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BS

Quant Time: Jul 18 13:12:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

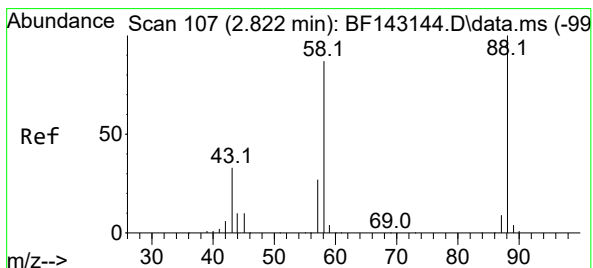
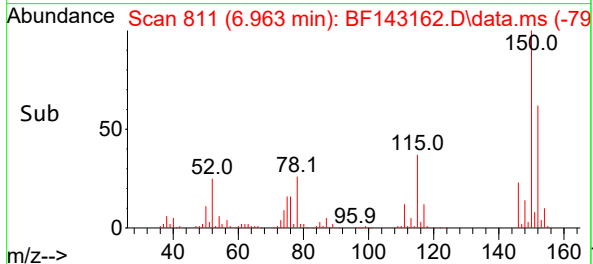
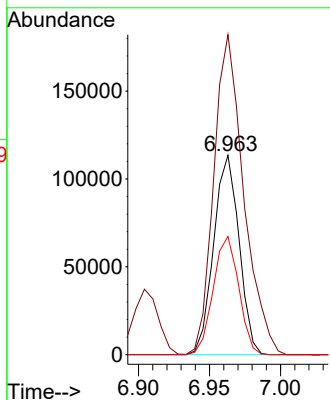
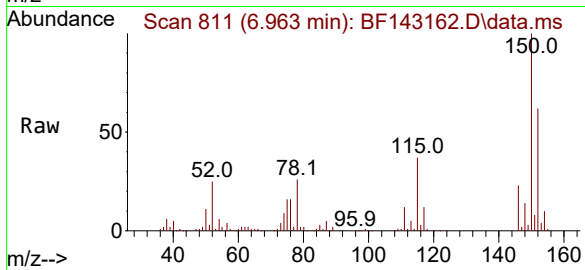




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

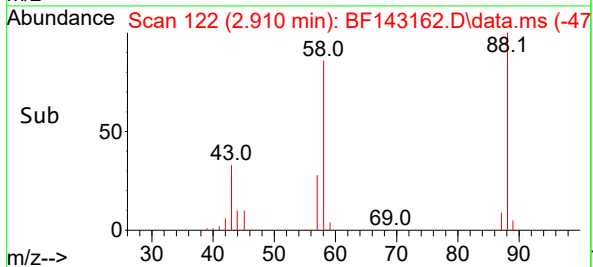
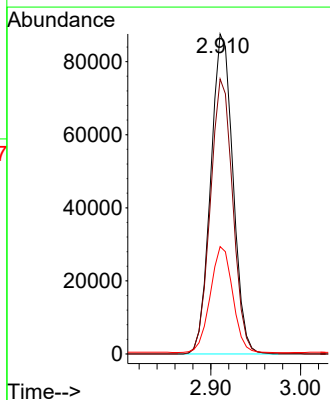
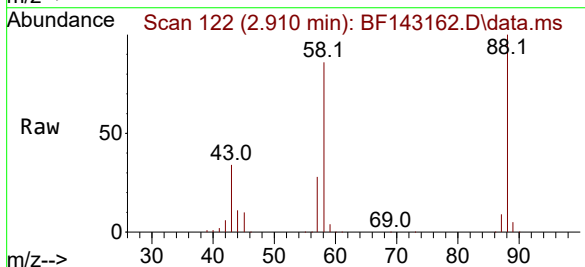
Instrument :
BNA_F
ClientSampleId :
PB168904BS

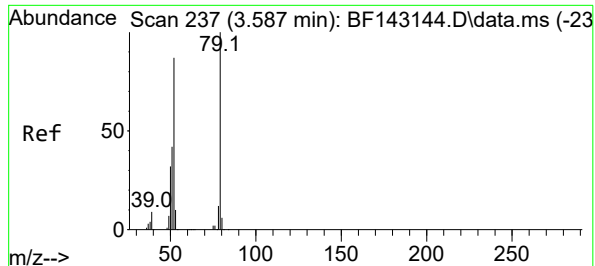
Tgt Ion:152 Resp: 140840
Ion Ratio Lower Upper
152 100
150 160.5 128.2 192.4
115 59.3 47.9 71.9



#2
1,4-Dioxane
Concen: 35.825 ng
RT: 2.910 min Scan# 122
Delta R.T. 0.088 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 88 Resp: 150871
Ion Ratio Lower Upper
88 100
58 86.9 70.2 105.2
43 33.5 27.1 40.7

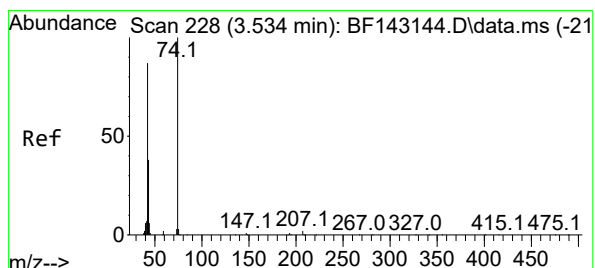
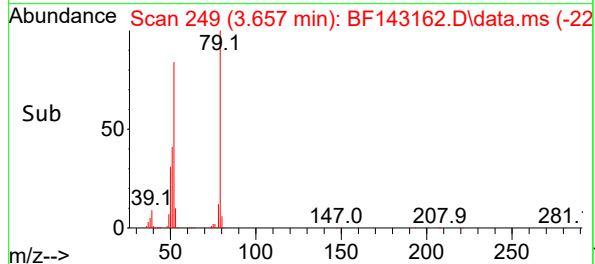
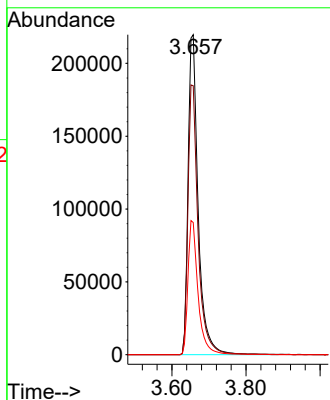
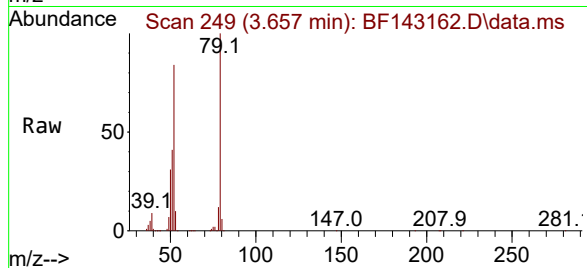




#3
Pyridine
Concen: 38.041 ng
RT: 3.657 min Scan# 241
Delta R.T. 0.071 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

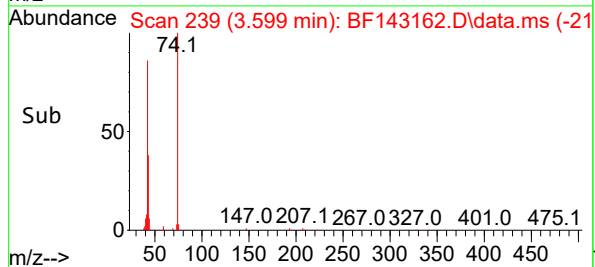
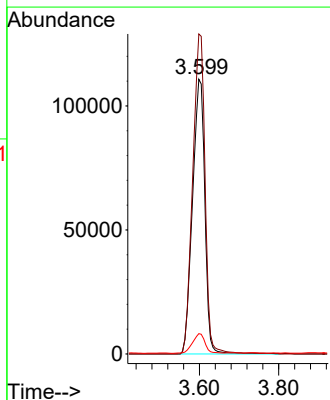
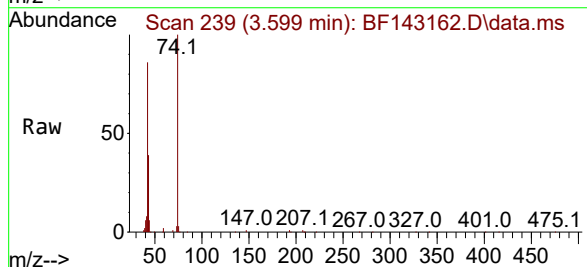
Instrument :
BNA_F
ClientSampleId :
PB168904BS

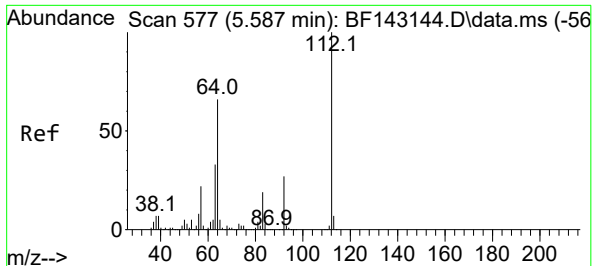
Tgt Ion: 79 Resp: 415812
Ion Ratio Lower Upper
79 100
52 84.1 69.4 104.2
51 41.3 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 42.356 ng
RT: 3.599 min Scan# 239
Delta R.T. 0.065 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 42 Resp: 239033
Ion Ratio Lower Upper
42 100
74 116.5 91.7 137.5
44 7.4 5.6 8.4

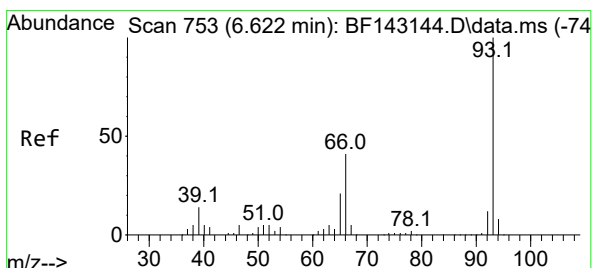
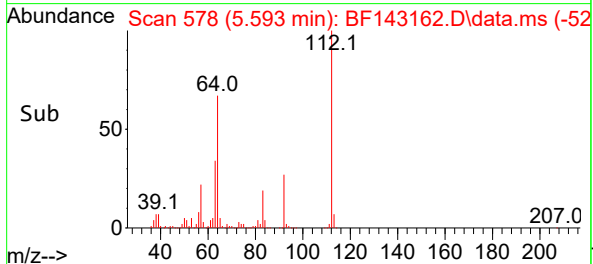
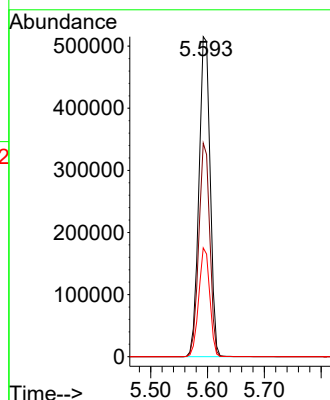
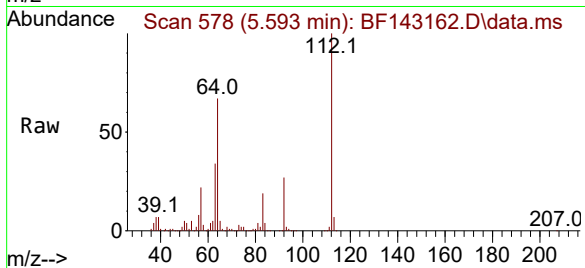




#5
2-Fluorophenol
Concen: 79.645 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

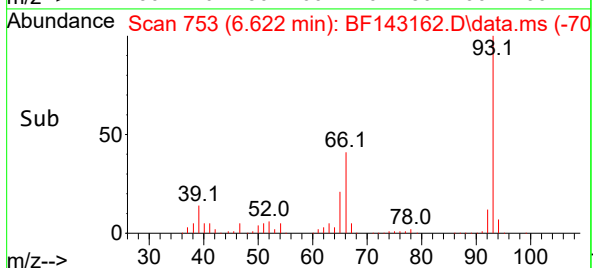
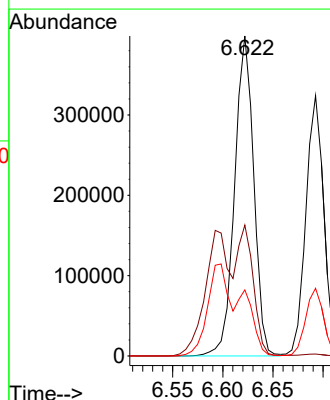
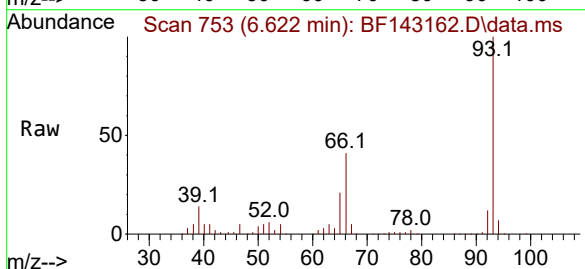
Instrument :
BNA_F
ClientSampleId :
PB168904BS

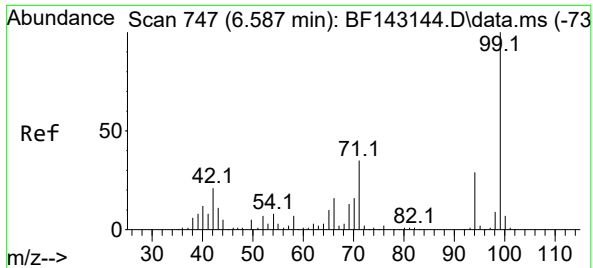
Tgt Ion:112 Resp: 708845
Ion Ratio Lower Upper
112 100
64 66.7 53.1 79.7
63 34.0 26.6 40.0



#6
Aniline
Concen: 33.990 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 93 Resp: 530673
Ion Ratio Lower Upper
93 100
66 40.9 33.2 49.8
65 20.7 16.9 25.3

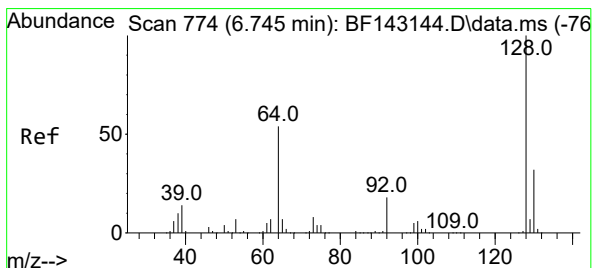
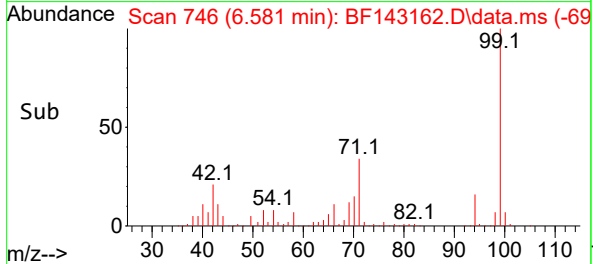
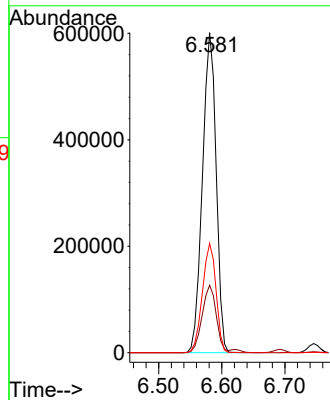
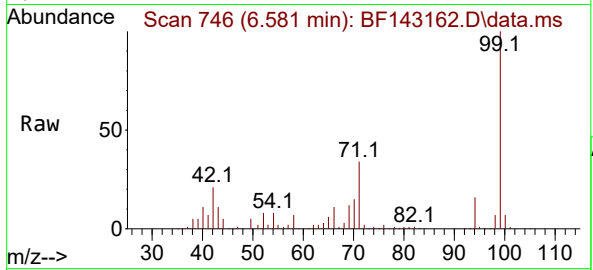




#7
Phenol-d6
Concen: 80.865 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

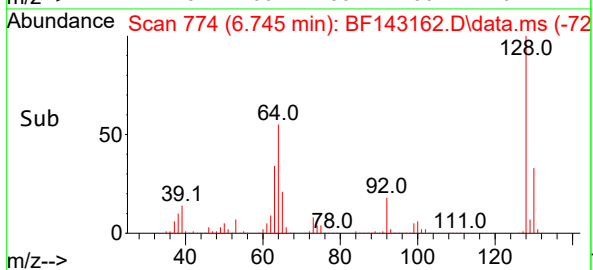
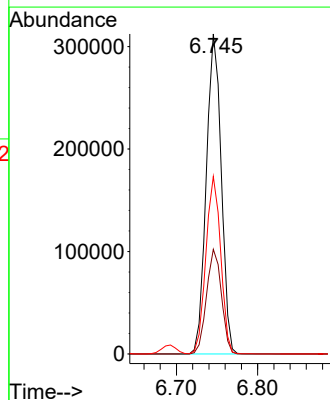
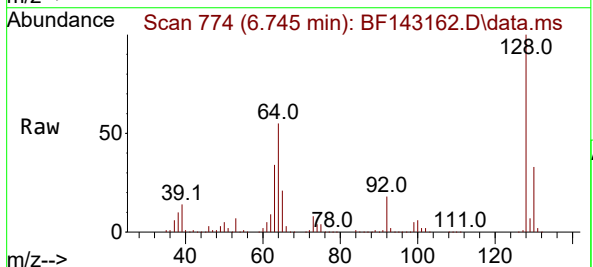
Instrument :
BNA_F
ClientSampleId :
PB168904BS

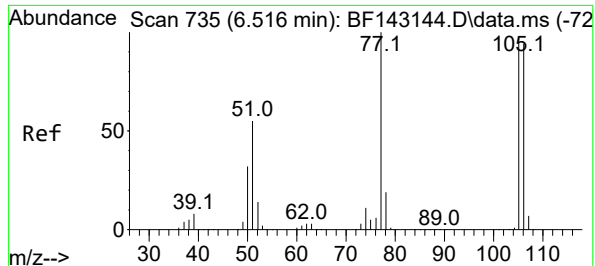
Tgt Ion: 99 Resp: 905876
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.1 27.7 41.5



#8
2-Chlorophenol
Concen: 42.725 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion: 128 Resp: 398585
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 55.4 35.9 75.9





#9

Benzaldehyde

Concen: 33.457 ng

RT: 6.510 min Scan# 710

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

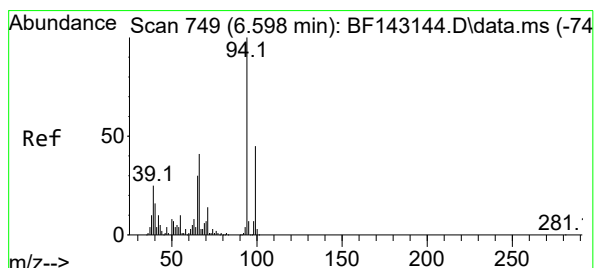
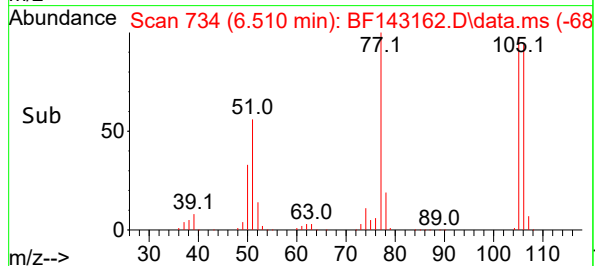
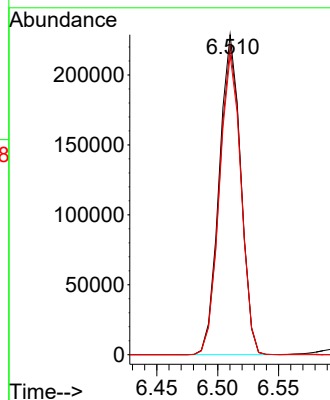
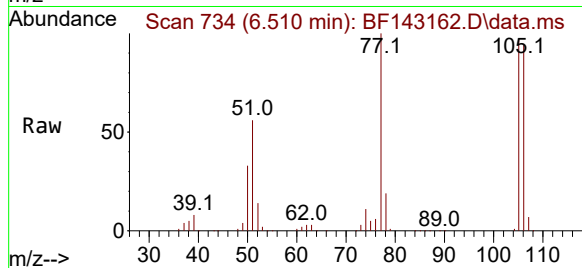
Tgt Ion: 77 Resp: 281039

Ion Ratio Lower Upper

77 100

105 96.5 76.8 116.8

106 93.6 74.4 114.4



#10

Phenol

Concen: 42.351 ng m

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

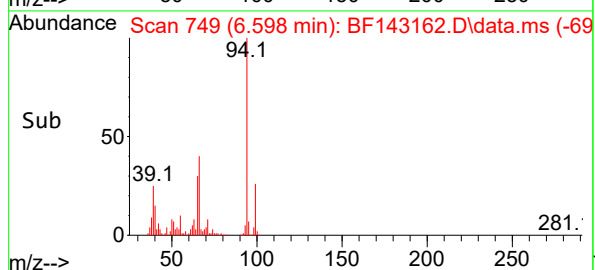
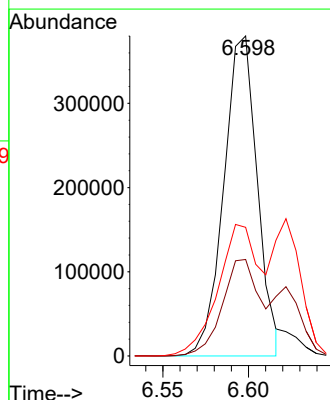
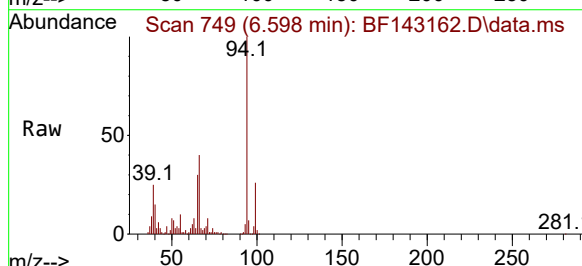
Tgt Ion: 94 Resp: 516840

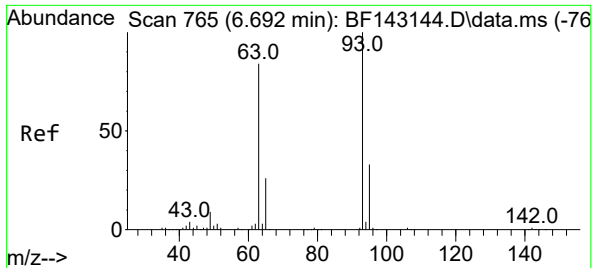
Ion Ratio Lower Upper

94 100

65 30.1 10.0 50.0

66 40.2 20.8 60.8

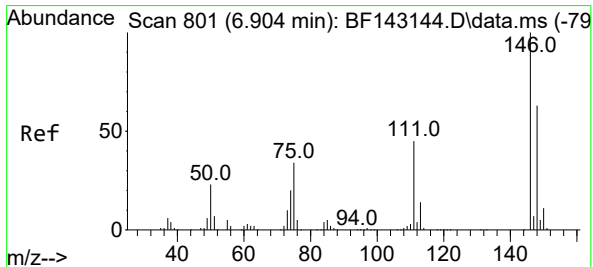
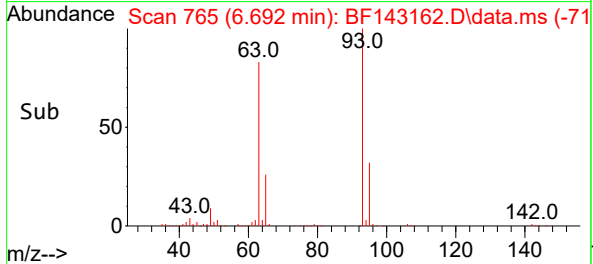
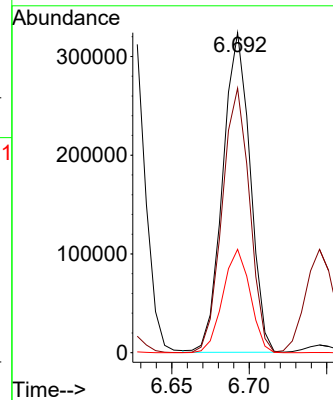
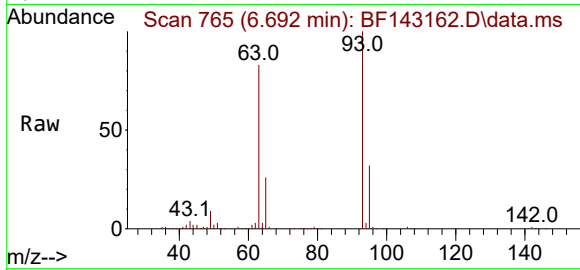




#11
bis(2-Chloroethyl)ether
Concen: 42.476 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

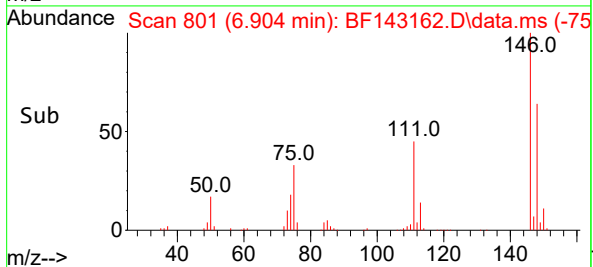
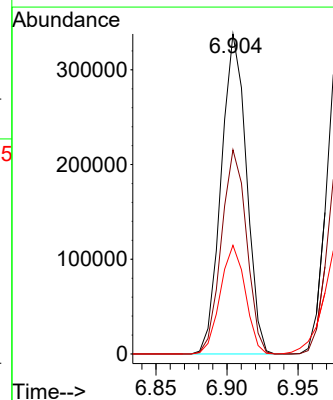
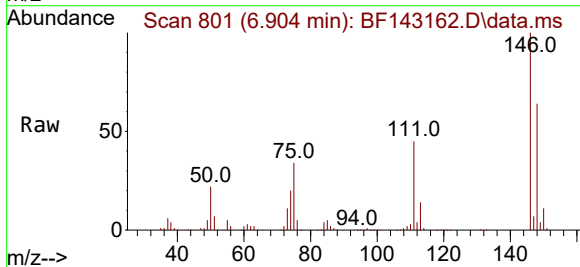
Instrument :
BNA_F
ClientSampleId :
PB168904BS

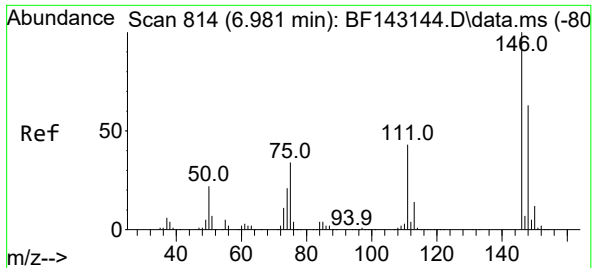
Tgt Ion:	93	Resp:	396896
Ion	Ratio	Lower	Upper
93	100		
63	82.7	63.4	103.4
95	32.3	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 41.133 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:	146	Resp:	416857
Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.6	76.0
75	33.9	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 41.715 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

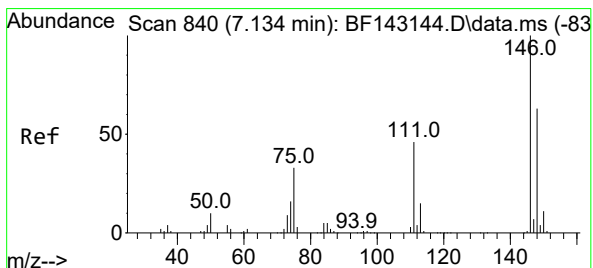
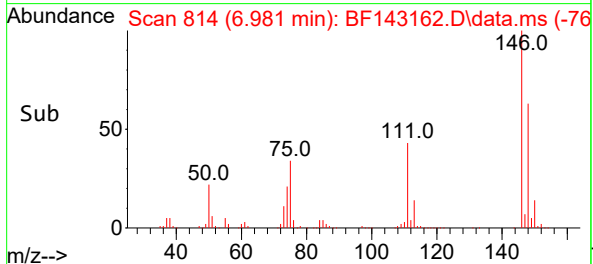
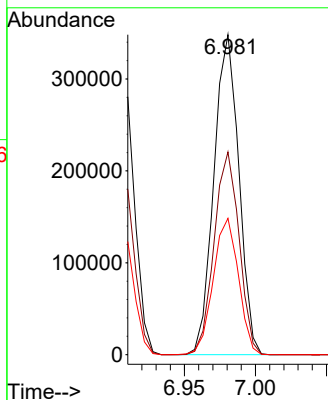
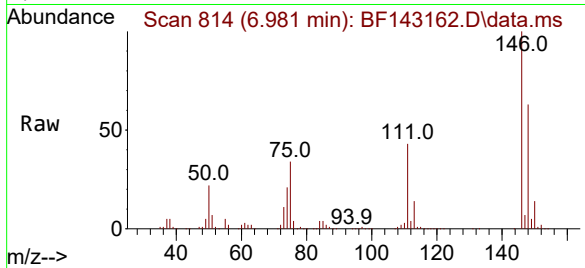
Tgt Ion:146 Resp: 425741

Ion Ratio Lower Upper

146 100

148 63.4 50.3 75.5

111 42.6 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 42.455 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

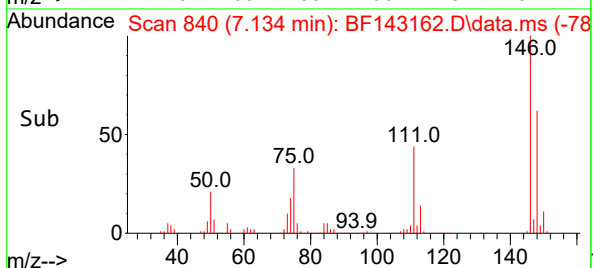
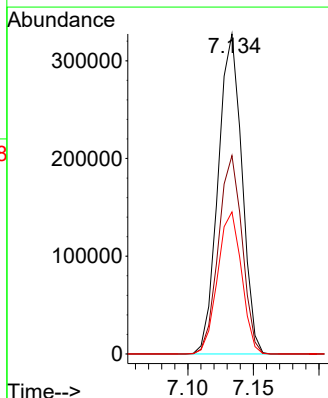
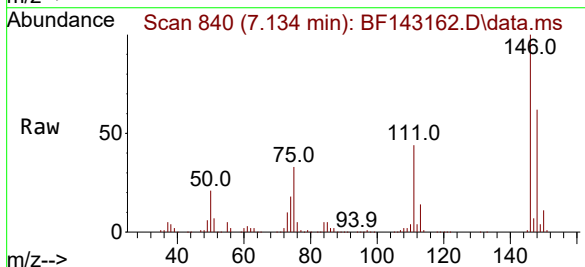
Tgt Ion:146 Resp: 412108

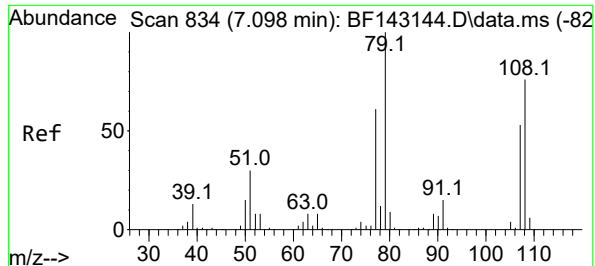
Ion Ratio Lower Upper

146 100

148 62.0 50.7 76.1

111 44.4 36.6 54.8





#15

Benzyl Alcohol

Concen: 43.150 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

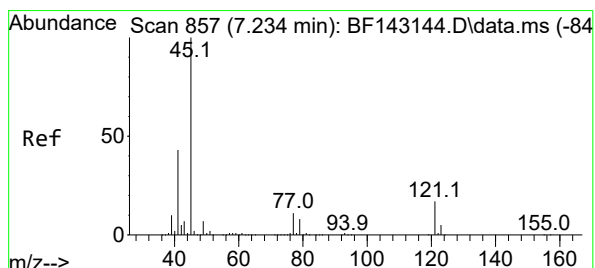
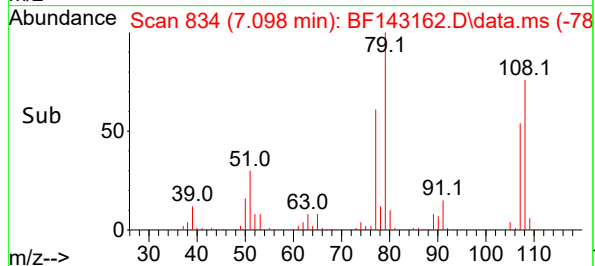
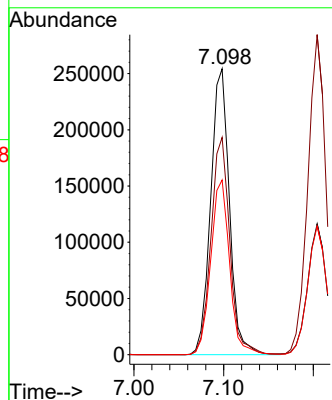
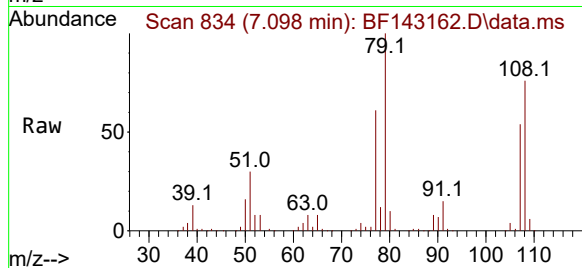
Tgt Ion: 79 Resp: 369086

Ion Ratio Lower Upper

79 100

108 76.0 61.1 91.7

77 61.1 48.9 73.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.725 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

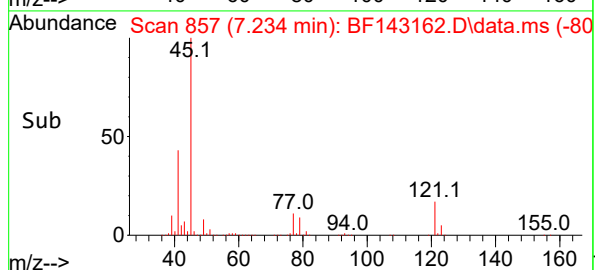
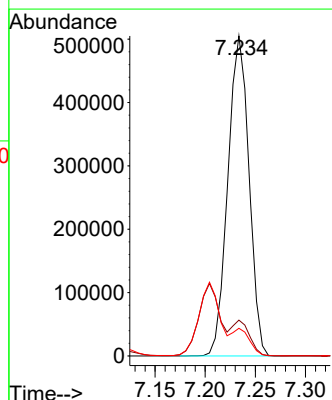
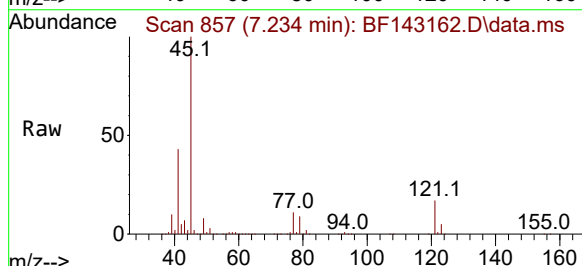
Tgt Ion: 45 Resp: 740579

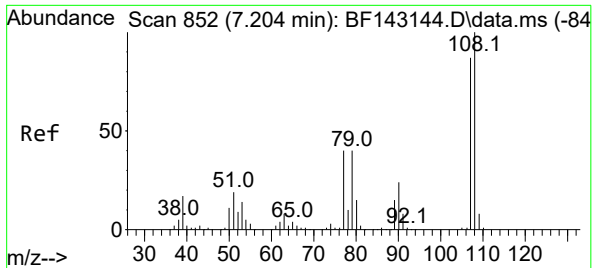
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

79 8.7 0.0 28.5

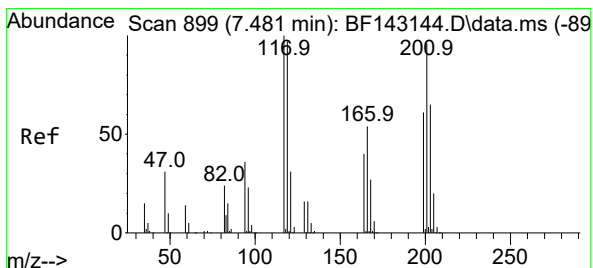
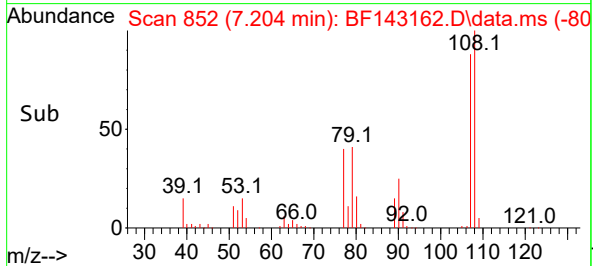
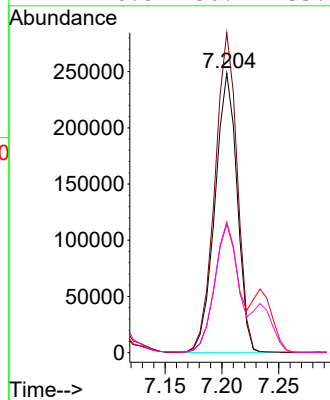
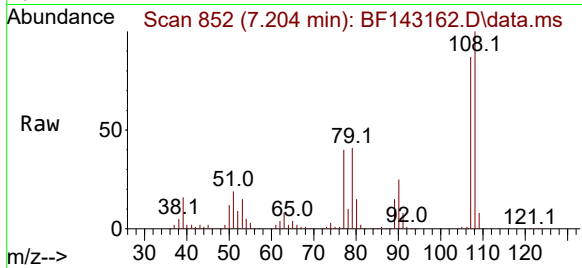




#17
2-Methylphenol
Concen: 43.095 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

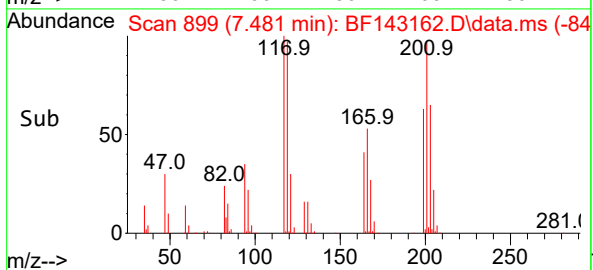
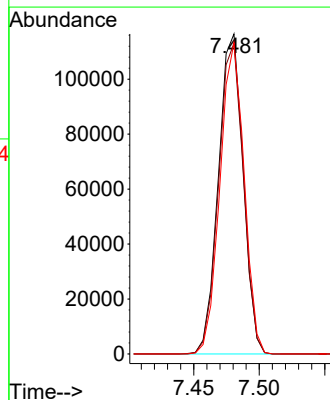
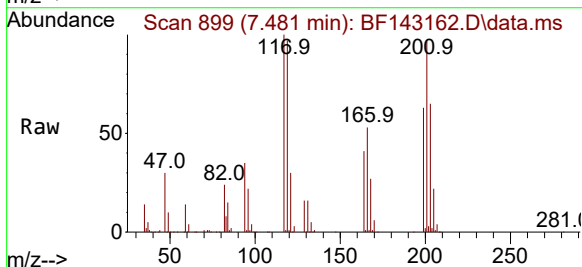
Instrument :
BNA_F
ClientSampleId :
PB168904BS

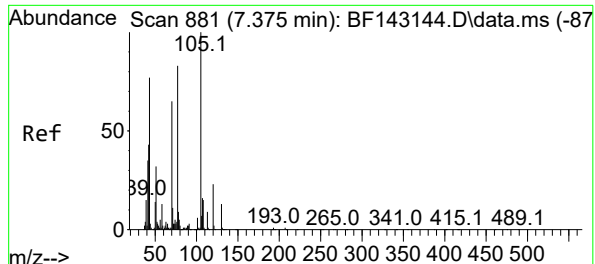
Tgt Ion:107 Resp: 338040
Ion Ratio Lower Upper
107 100
108 114.5 91.8 137.6
77 46.0 37.0 55.6
79 46.8 36.9 55.3



#18
Hexachloroethane
Concen: 43.206 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:117 Resp: 152652
Ion Ratio Lower Upper
117 100
119 97.1 77.8 116.8
201 97.2 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 42.401 ng

RT: 7.369 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

Tgt Ion: 70 Resp: 304739

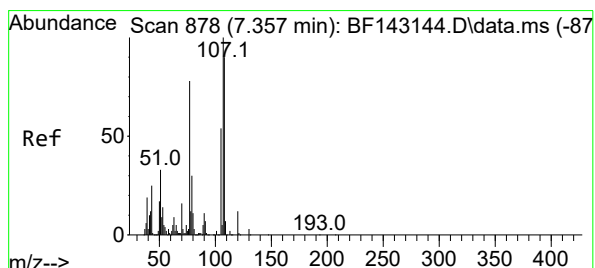
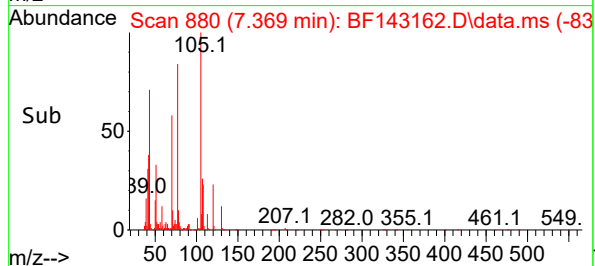
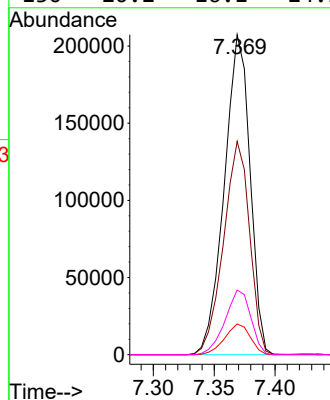
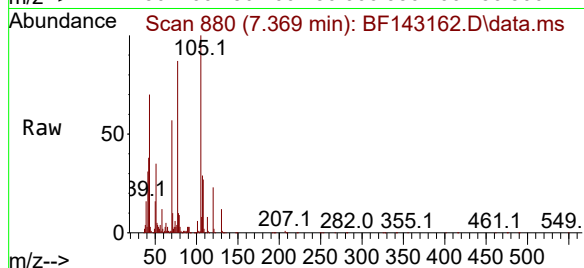
Ion Ratio Lower Upper

70 100

42 66.6 52.5 78.7

101 9.6 7.6 11.4

130 20.2 16.1 24.1



#20

3+4-Methylphenols

Concen: 43.461 ng

RT: 7.357 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Tgt Ion: 107 Resp: 413621

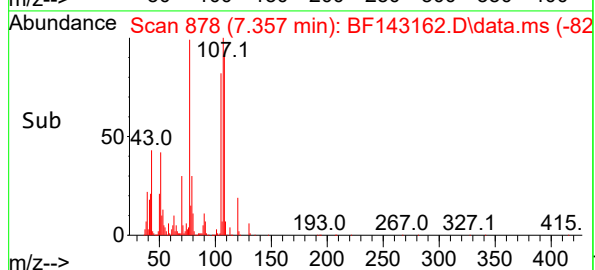
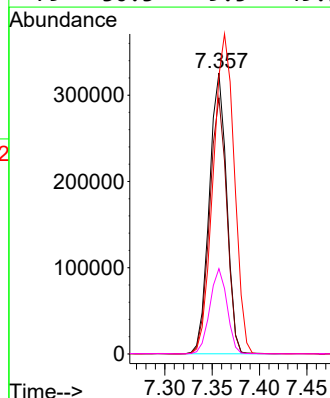
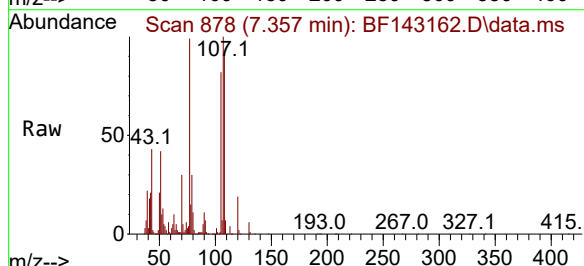
Ion Ratio Lower Upper

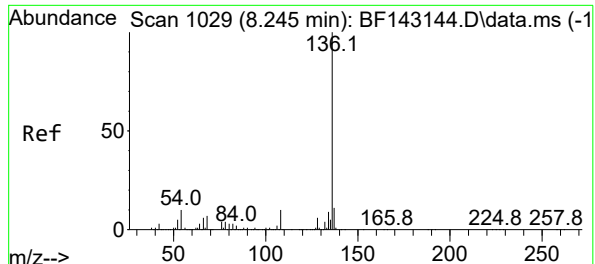
107 100

108 91.2 70.0 110.0

77 99.0 57.8 97.8#

79 30.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

Tgt Ion:136 Resp: 541427

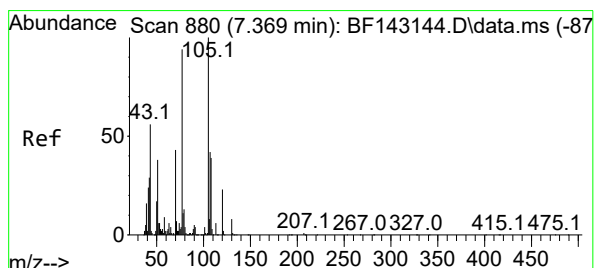
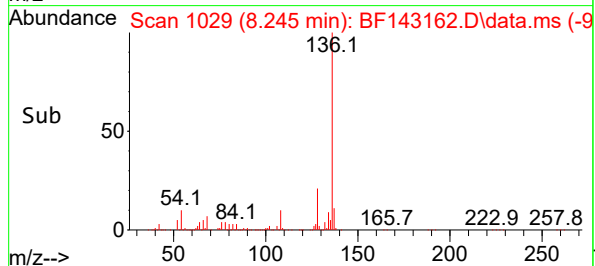
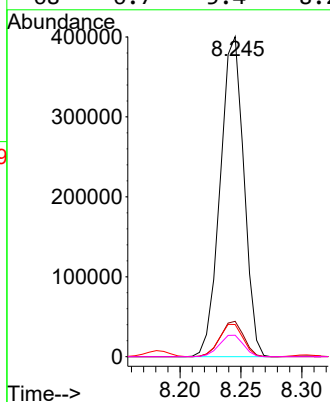
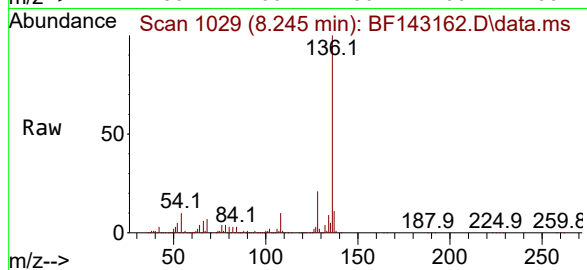
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.0 8.2 12.2

68 6.7 5.4 8.2



#22

Acetophenone

Concen: 43.226 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Tgt Ion:105 Resp: 554083

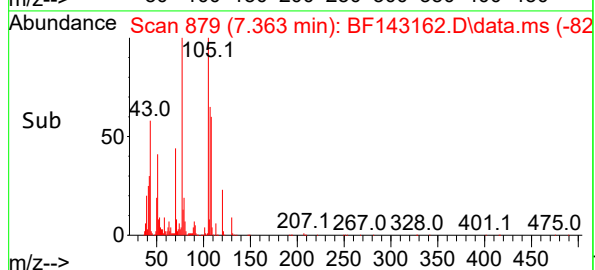
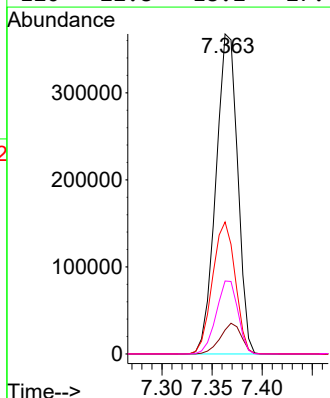
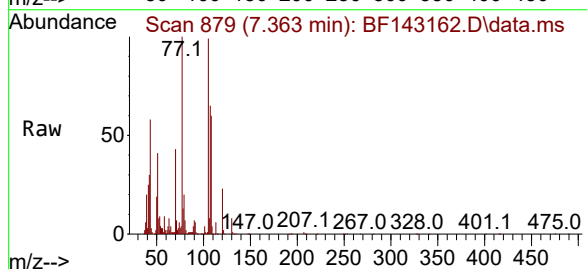
Ion Ratio Lower Upper

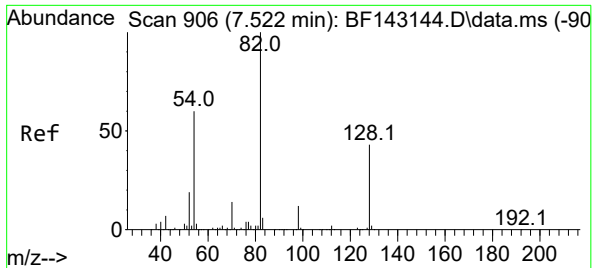
105 100

71 7.5 5.8 8.6

51 41.3 30.2 45.2

120 22.8 18.2 27.4





#23

Nitrobenzene-d5

Concen: 80.048 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

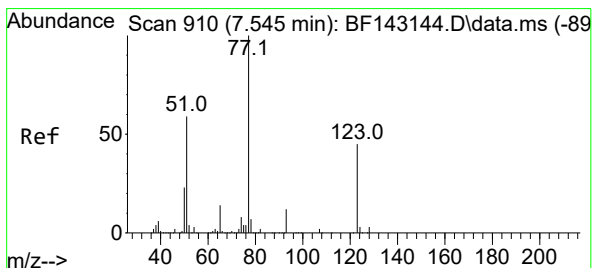
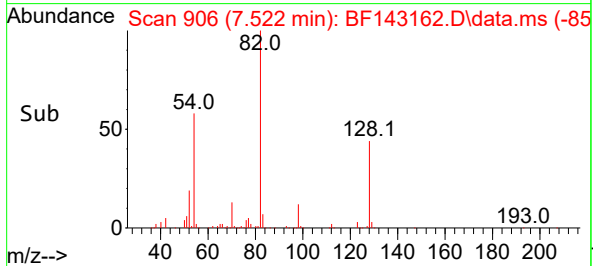
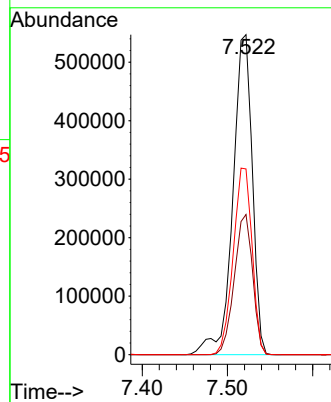
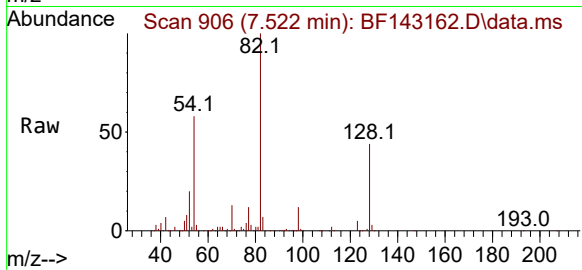
Tgt Ion: 82 Resp: 869462

Ion Ratio Lower Upper

82 100

128 43.8 33.6 50.4

54 58.1 47.1 70.7



#24

Nitrobenzene

Concen: 44.043 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

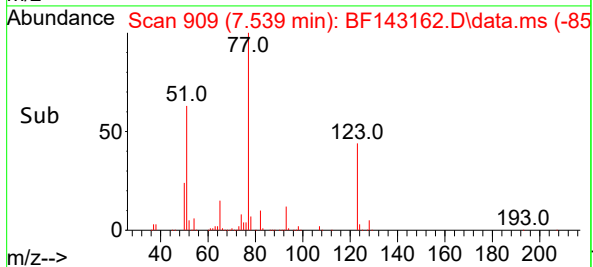
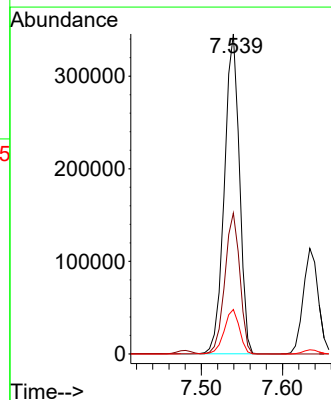
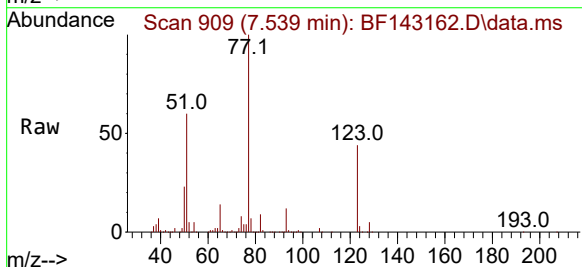
Tgt Ion: 77 Resp: 446004

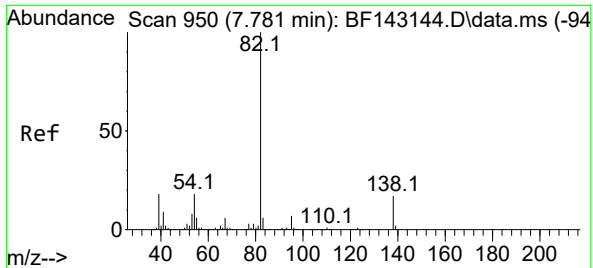
Ion Ratio Lower Upper

77 100

123 44.1 36.1 54.1

65 13.9 11.4 17.2





#25

Isophorone

Concen: 43.799 ng

RT: 7.781 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

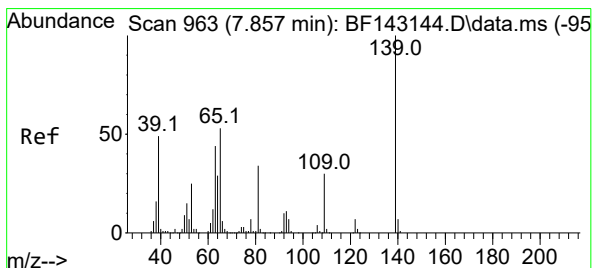
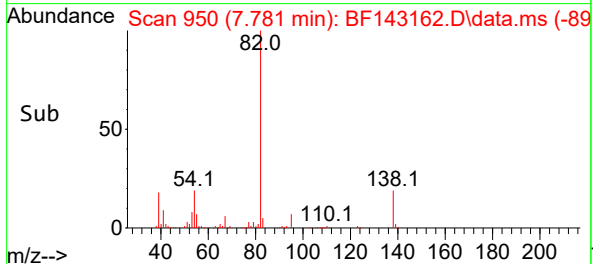
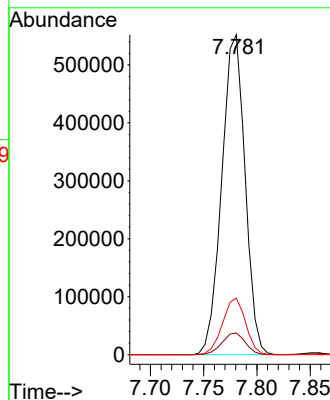
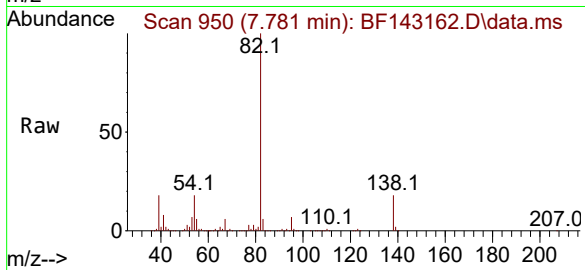
Tgt Ion: 82 Resp: 839829

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 17.7 13.8 20.8



#26

2-Nitrophenol

Concen: 46.402 ng

RT: 7.857 min Scan# 963

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

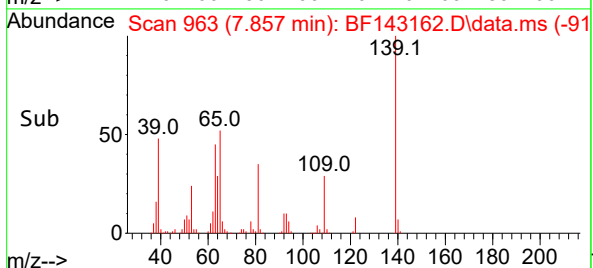
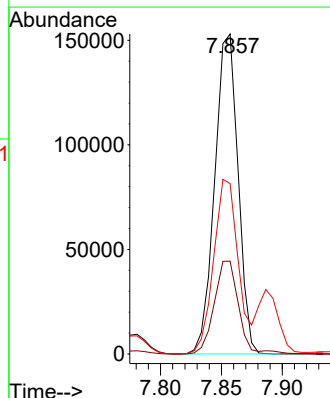
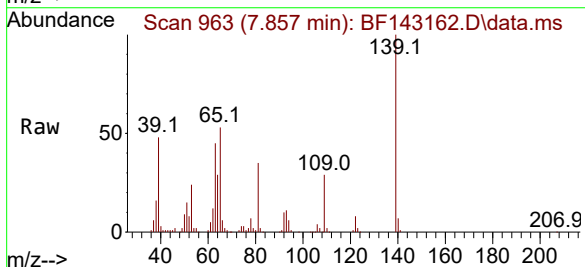
Tgt Ion:139 Resp: 203935

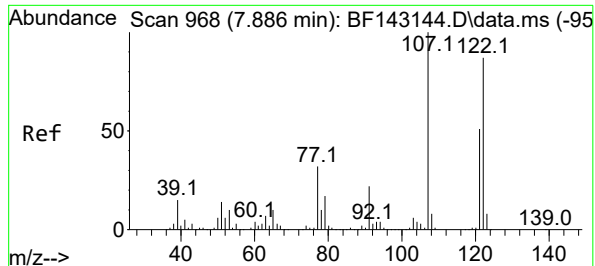
Ion Ratio Lower Upper

139 100

109 29.0 23.6 35.4

65 53.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 44.105 ng

RT: 7.886 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

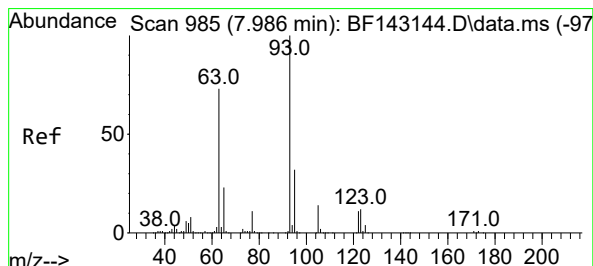
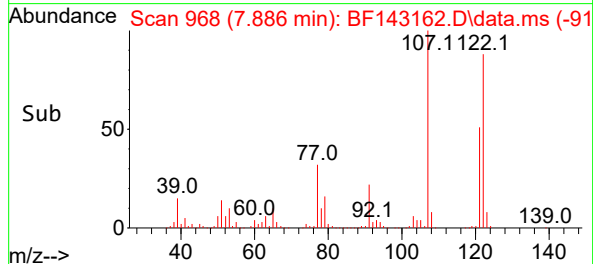
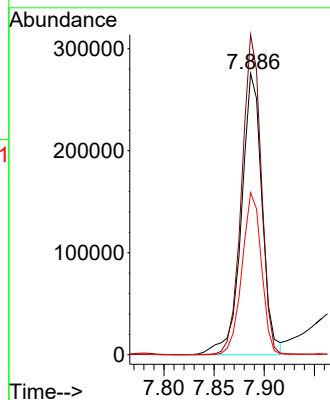
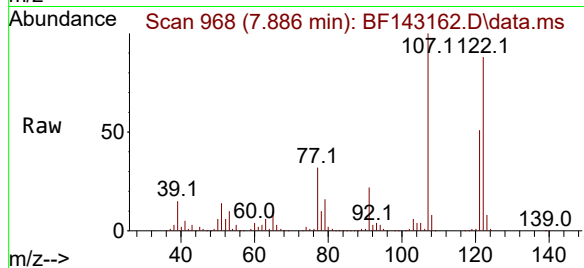
Tgt Ion:122 Resp: 395116

Ion Ratio Lower Upper

122 100

107 113.8 91.8 137.6

121 57.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.160 ng

RT: 7.986 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

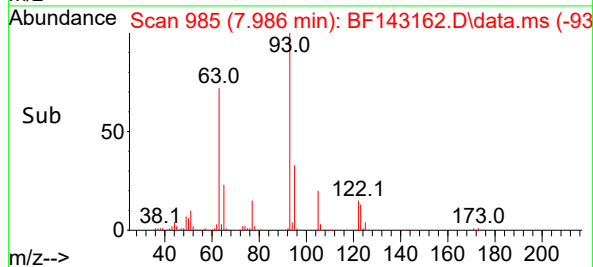
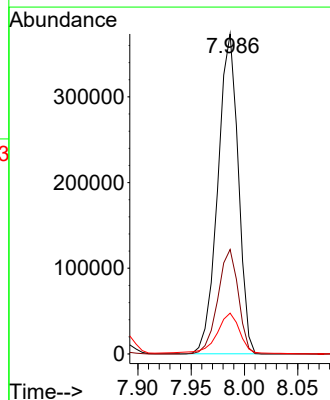
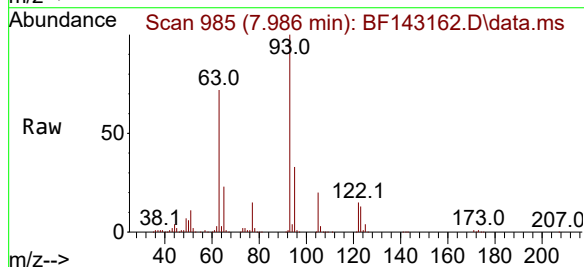
Tgt Ion: 93 Resp: 496181

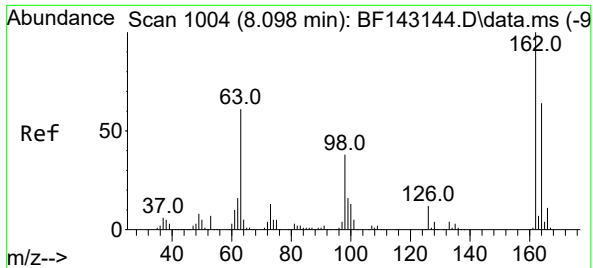
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 43.638 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

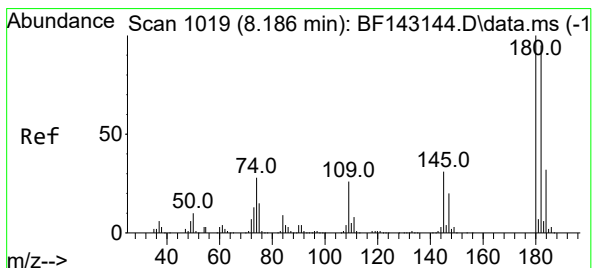
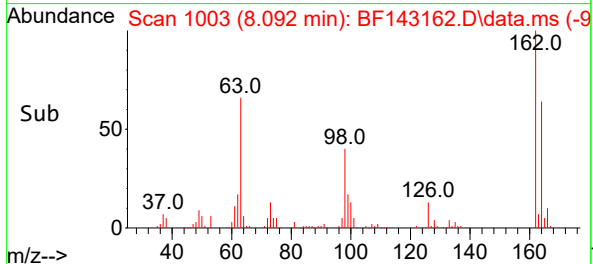
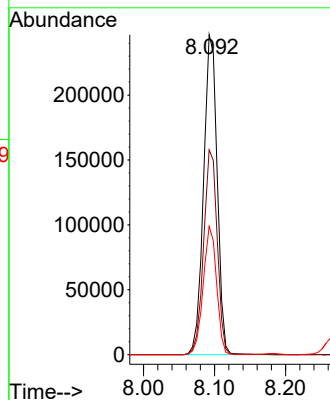
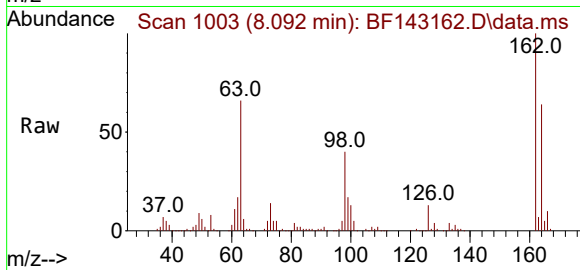
Tgt Ion:162 Resp: 329682

Ion Ratio Lower Upper

162 100

164 64.0 44.2 84.2

98 40.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 42.718 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

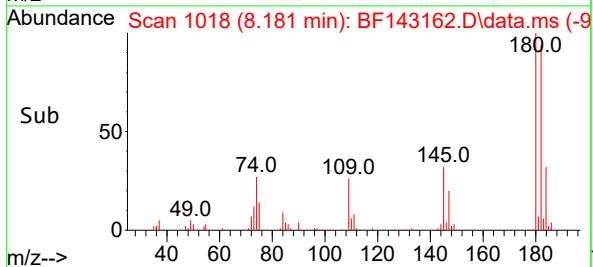
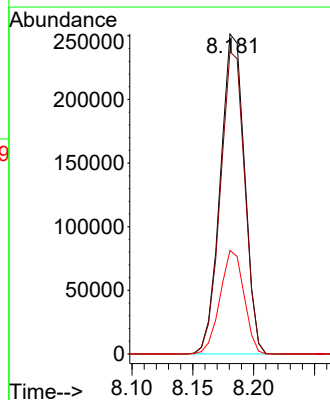
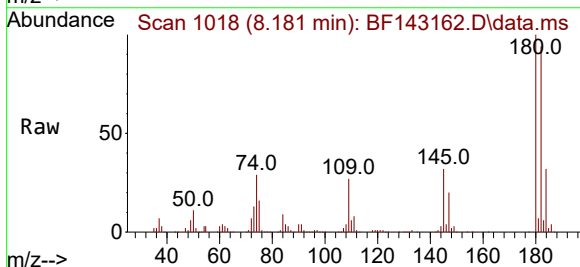
Tgt Ion:180 Resp: 348666

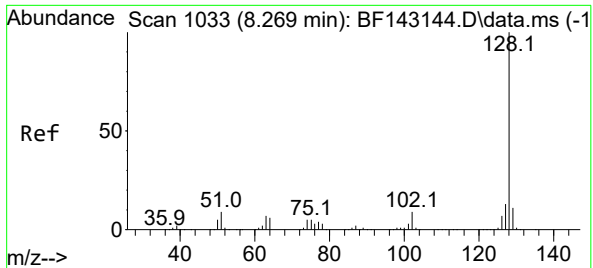
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

145 32.3 25.0 37.6





#31

Naphthalene

Concen: 42.914 ng

RT: 8.263 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

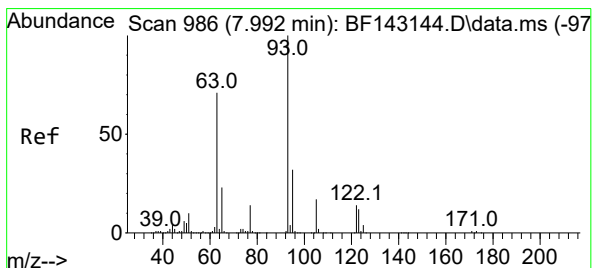
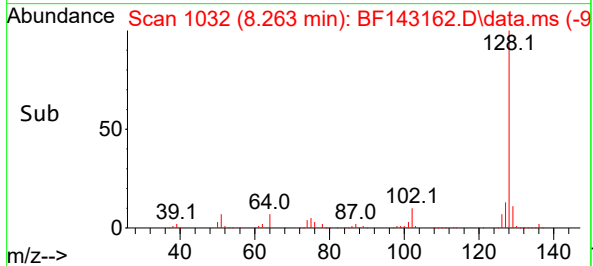
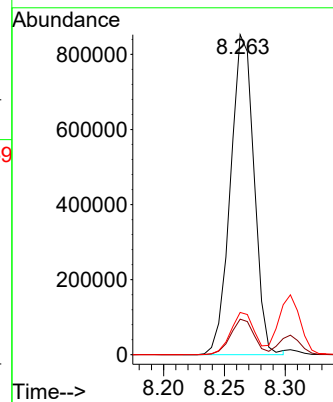
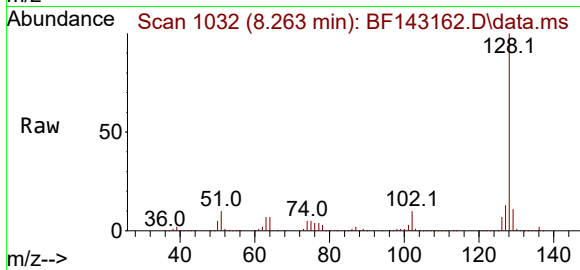
Tgt Ion:128 Resp: 1144292

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 43.958 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

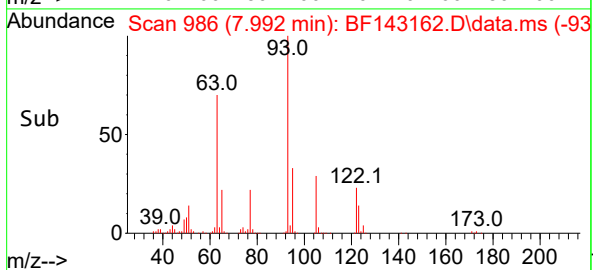
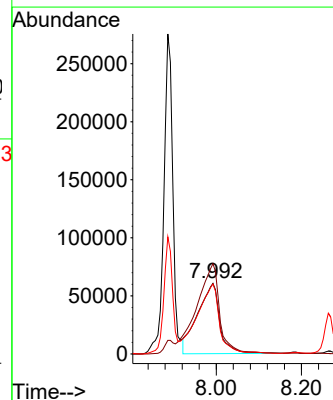
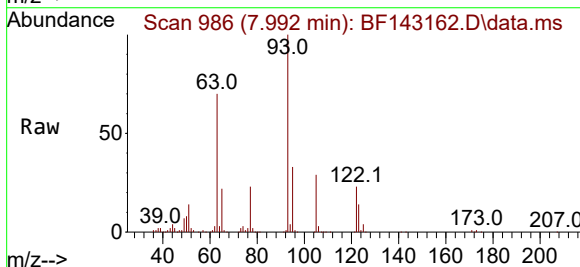
Tgt Ion:122 Resp: 219361

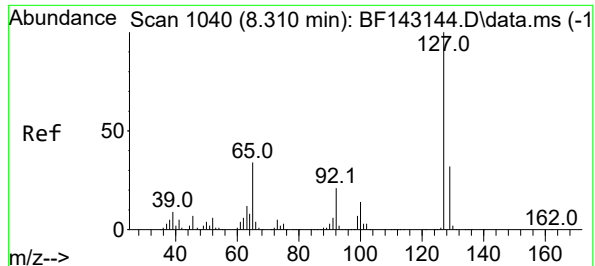
Ion Ratio Lower Upper

122 100

105 127.9 104.8 144.8

77 99.3 77.6 117.6





#33

4-Chloroaniline

Concen: 18.770 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

Tgt Ion:127 Resp: 204368

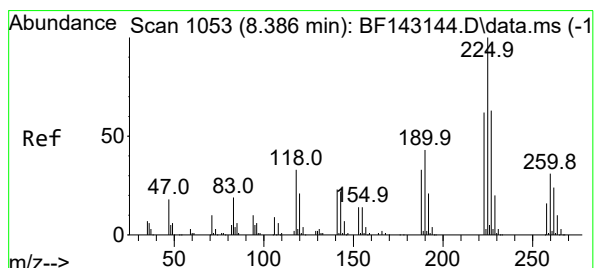
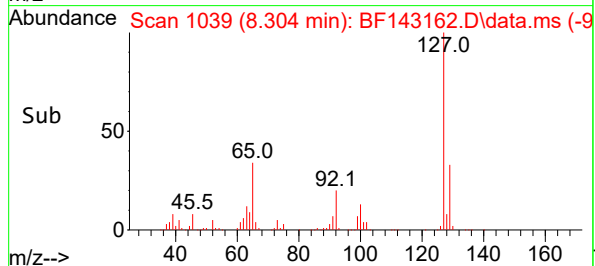
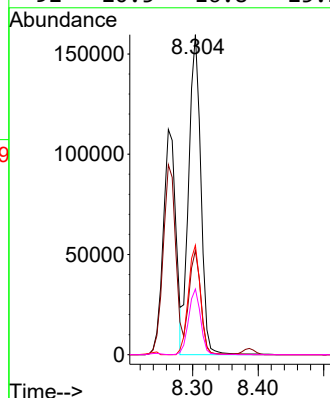
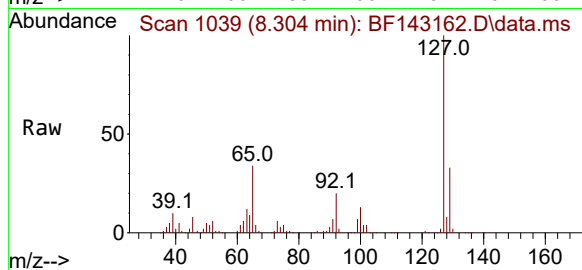
Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 34.2 27.4 41.2

92 20.5 16.8 25.2



#34

Hexachlorobutadiene

Concen: 42.941 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

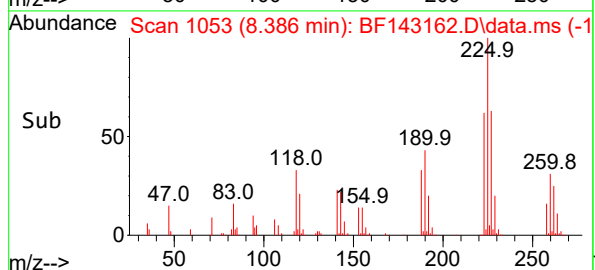
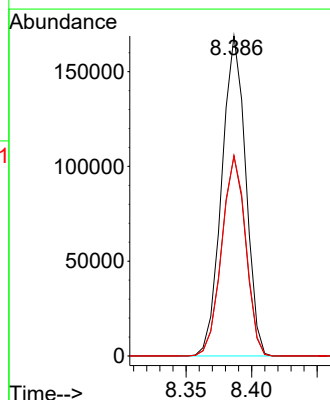
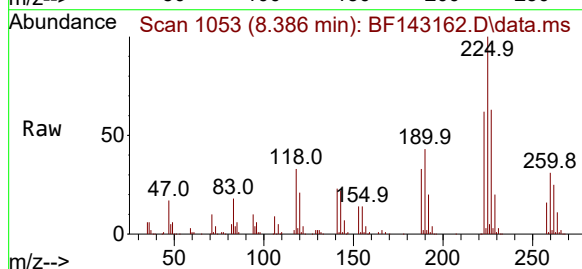
Tgt Ion:225 Resp: 214101

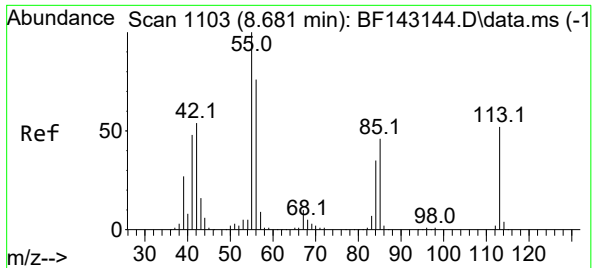
Ion Ratio Lower Upper

225 100

223 62.4 49.8 74.6

227 62.6 50.2 75.4





#35

Caprolactam

Concen: 47.144 ng m

RT: 8.669 min Scan# 1103

Delta R.T. -0.012 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

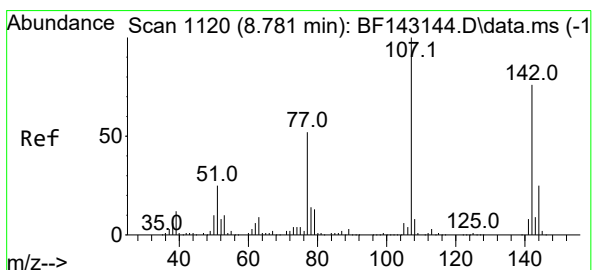
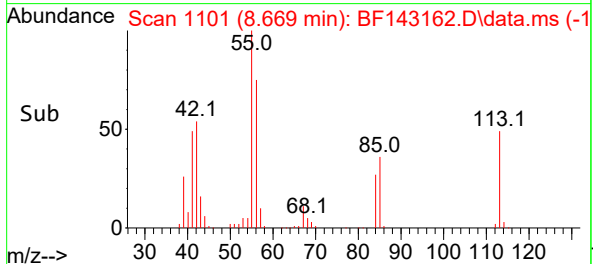
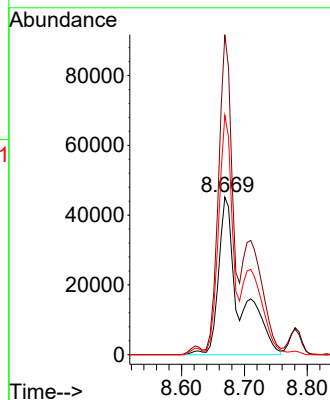
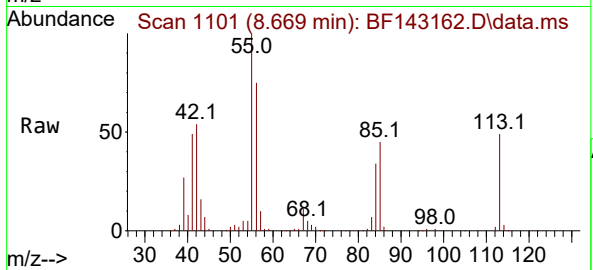
Tgt Ion:113 Resp: 107629

Ion Ratio Lower Upper

113 100

55 203.0 174.0 214.0

56 151.9 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 44.140 ng

RT: 8.781 min Scan# 1120

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

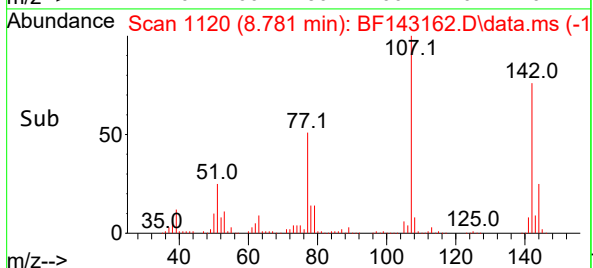
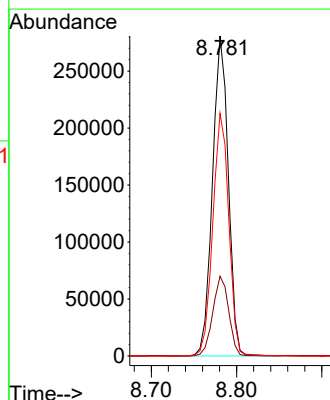
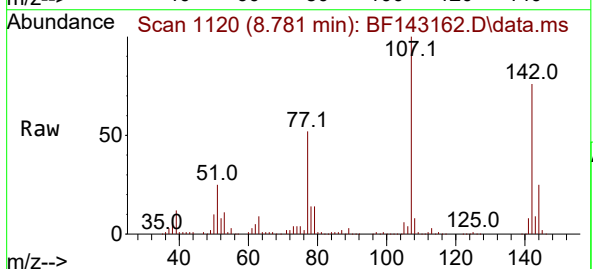
Tgt Ion:107 Resp: 362456

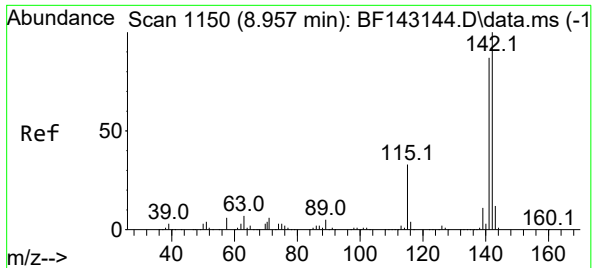
Ion Ratio Lower Upper

107 100

144 24.9 19.8 29.6

142 75.8 60.6 90.8

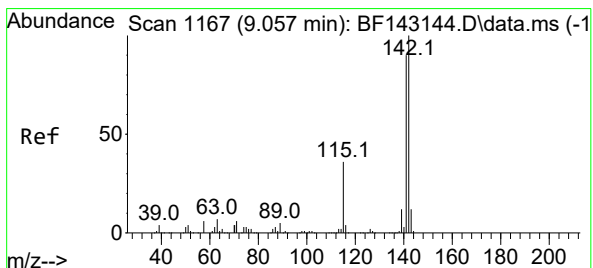
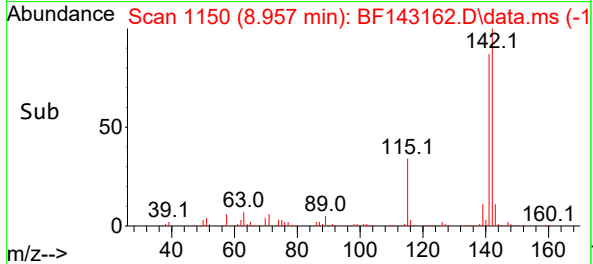
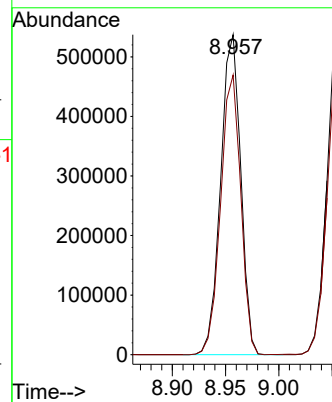
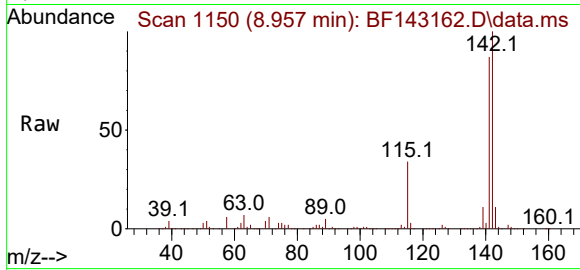




#37
2-Methylnaphthalene
Concen: 43.318 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

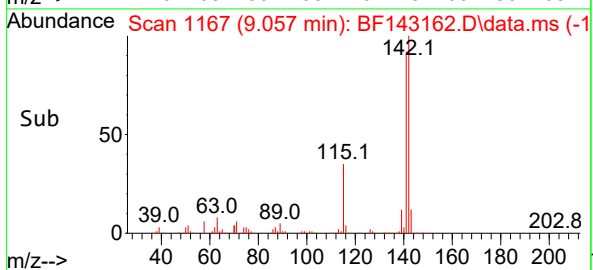
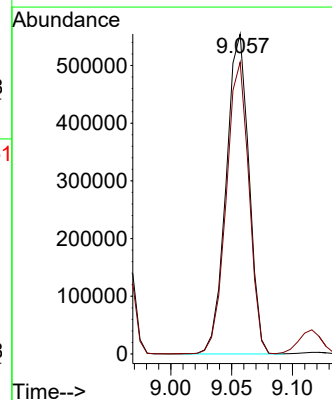
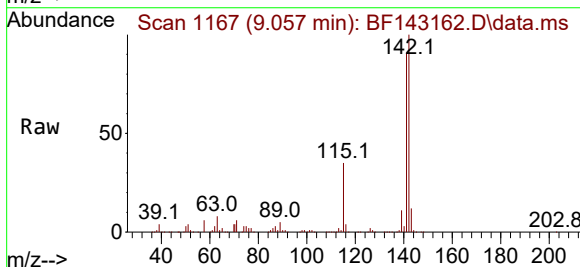
Instrument :
BNA_F
ClientSampleId :
PB168904BS

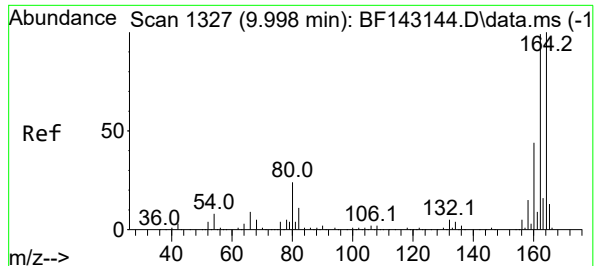
Tgt Ion:142 Resp: 702863
Ion Ratio Lower Upper
142 100
141 87.4 69.9 104.9



#38
1-Methylnaphthalene
Concen: 43.203 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:142 Resp: 721852
Ion Ratio Lower Upper
142 100
141 91.2 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143162.D

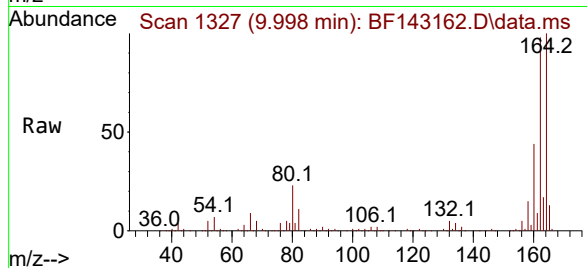
Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS



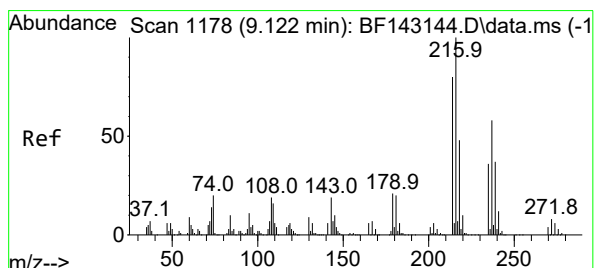
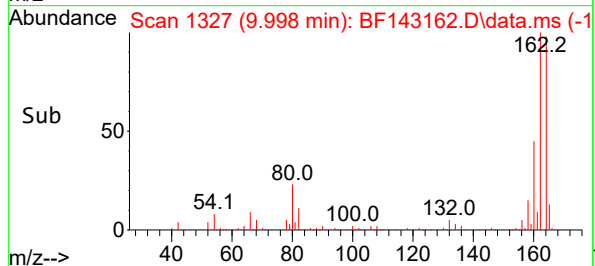
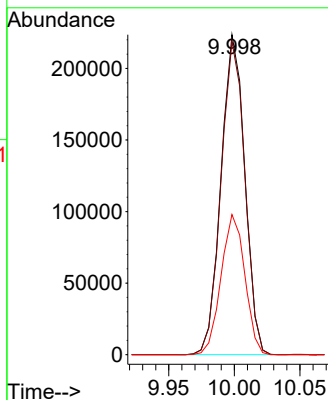
Tgt Ion:164 Resp: 282216

Ion Ratio Lower Upper

164 100

162 97.9 79.0 118.6

160 43.8 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.550 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Tgt Ion:216 Resp: 338541

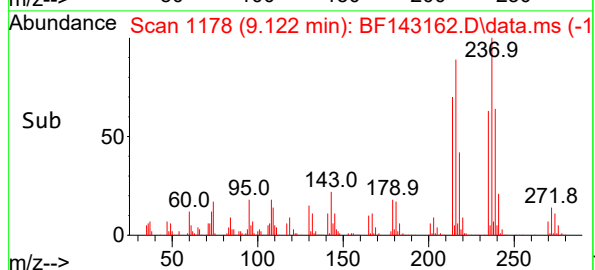
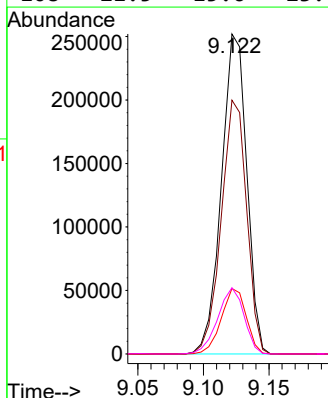
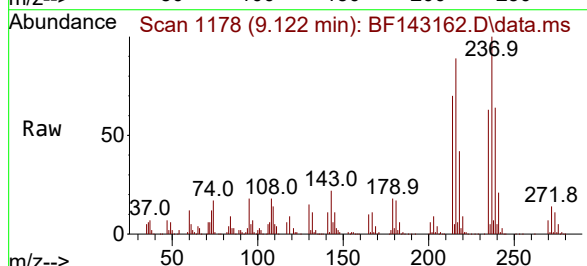
Ion Ratio Lower Upper

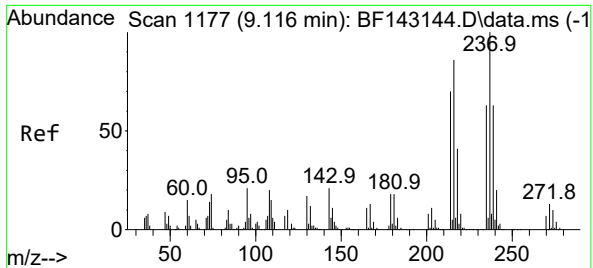
216 100

214 79.3 63.8 95.8

179 20.2 16.4 24.6

108 21.5 15.6 23.4

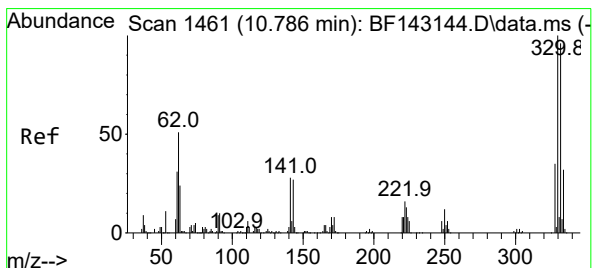
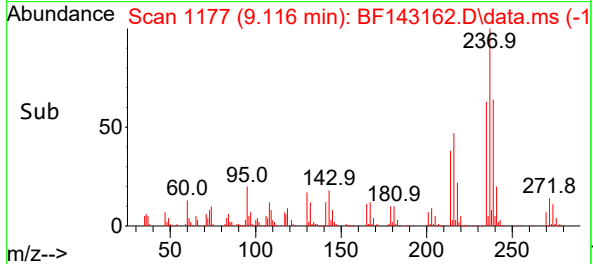
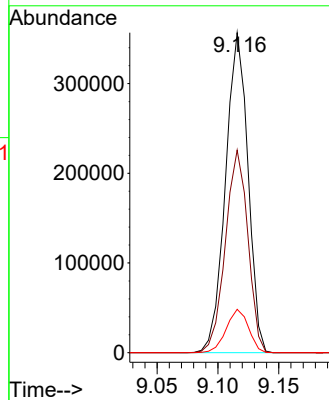
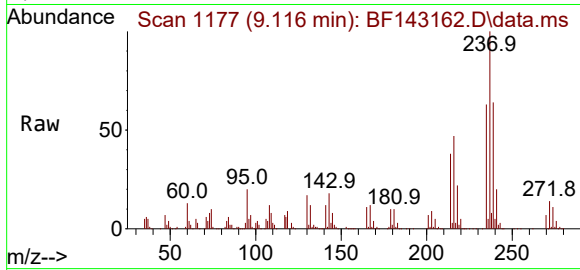




#41
Hexachlorocyclopentadiene
Concen: 86.269 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

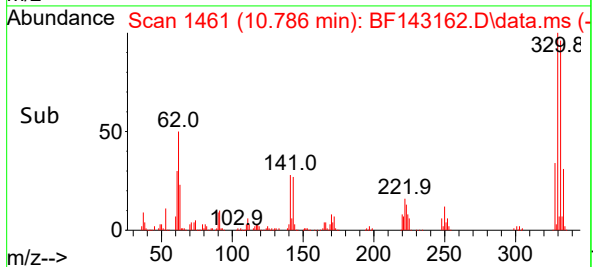
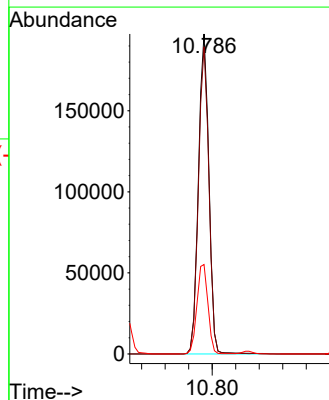
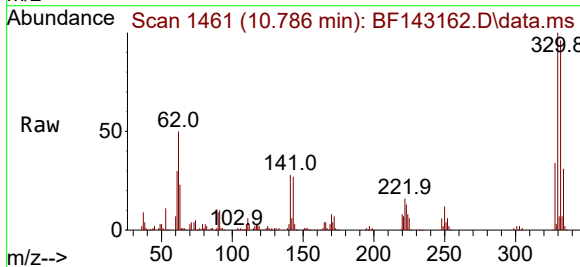
Instrument :
BNA_F
ClientSampleId :
PB168904BS

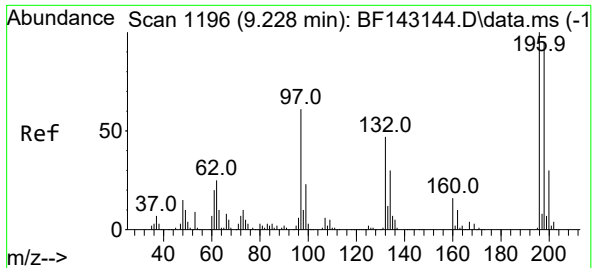
Tgt Ion:237 Resp: 457365
Ion Ratio Lower Upper
237 100
235 63.3 43.0 83.0
272 13.6 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 83.552 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:330 Resp: 243592
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 29.4 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 42.942 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

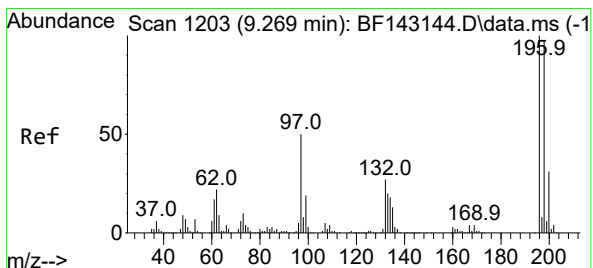
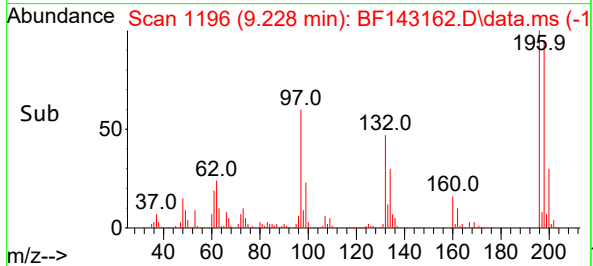
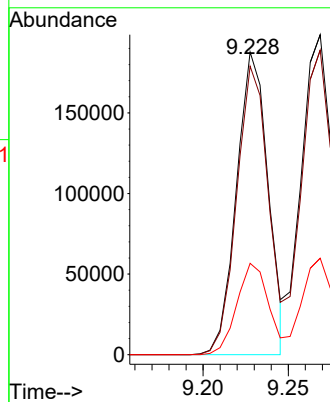
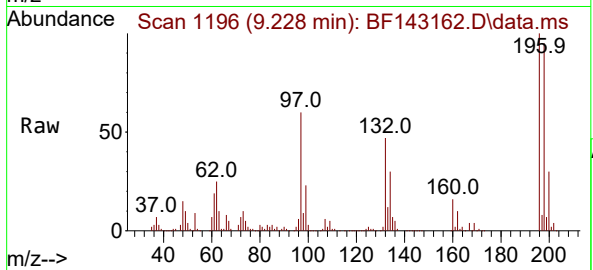
Tgt Ion:196 Resp: 242153

Ion Ratio Lower Upper

196 100

198 95.3 76.2 114.2

200 30.2 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 45.656 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Tgt Ion:196 Resp: 257533

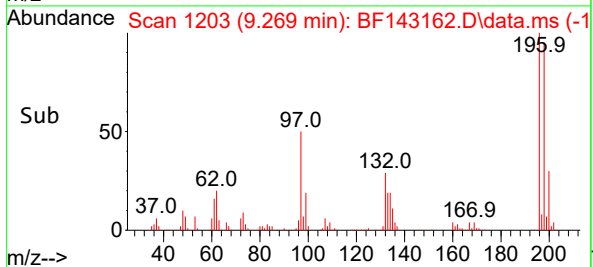
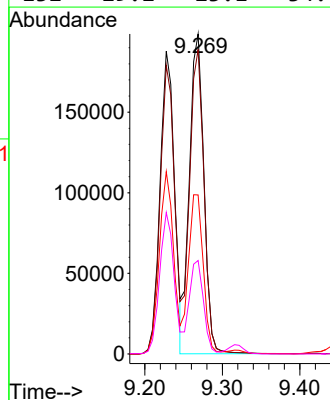
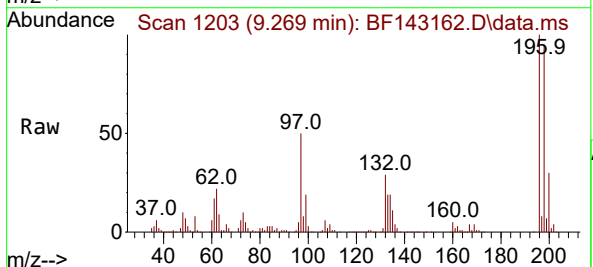
Ion Ratio Lower Upper

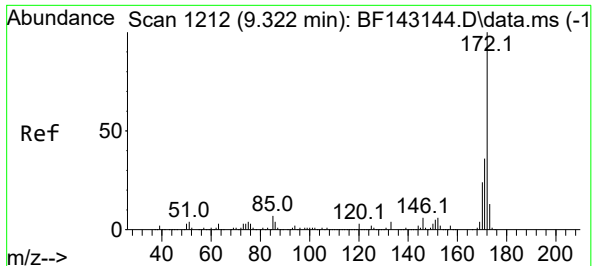
196 100

198 95.2 77.3 115.9

97 49.7 40.3 60.5

132 29.2 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.474 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

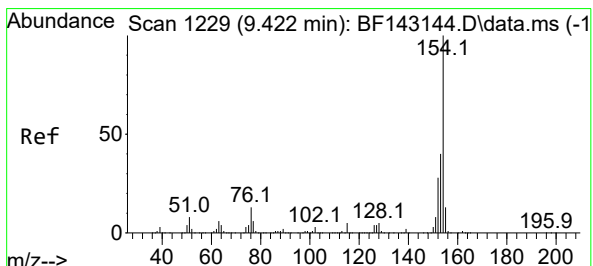
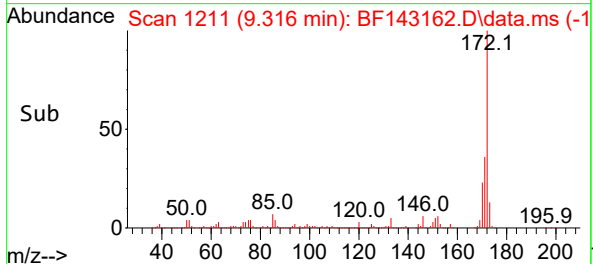
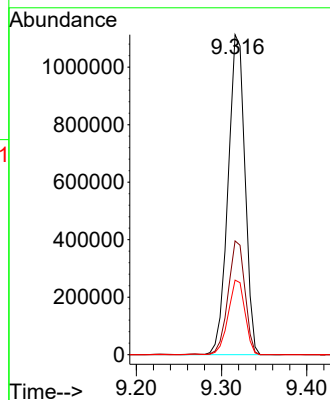
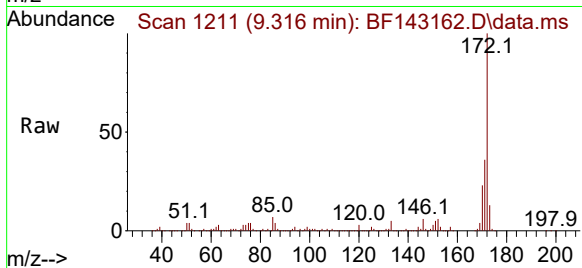
Tgt Ion:172 Resp: 1536809

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 43.306 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

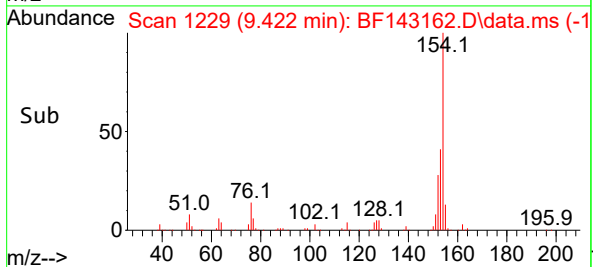
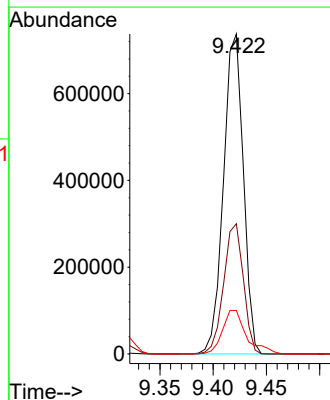
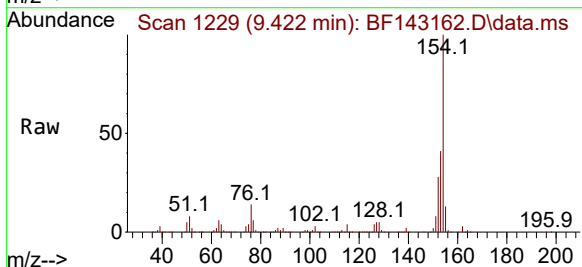
Tgt Ion:154 Resp: 953537

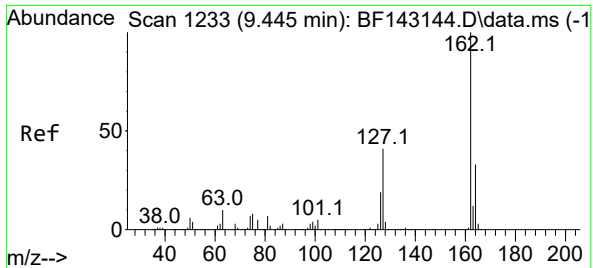
Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 13.6 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.622 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

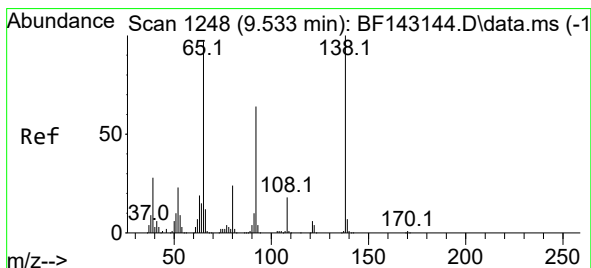
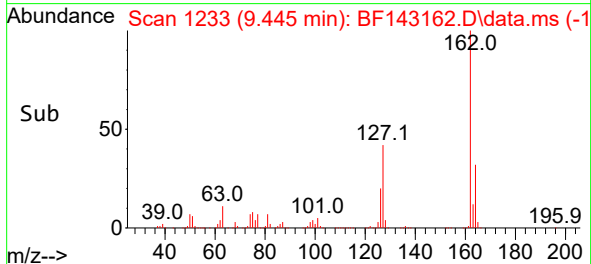
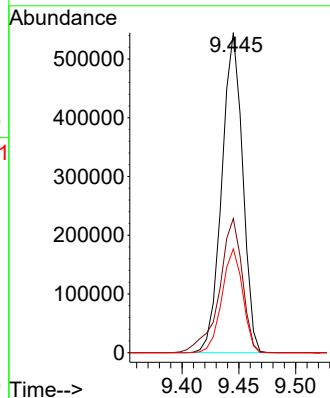
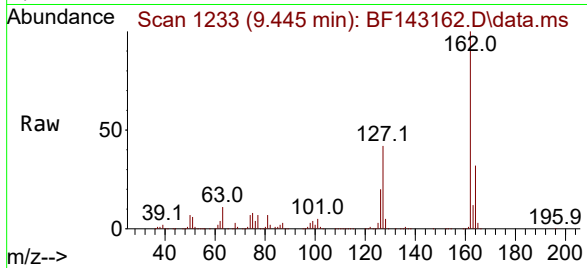
Tgt Ion:162 Resp: 694401

Ion Ratio Lower Upper

162 100

127 41.9 33.4 50.2

164 32.4 26.2 39.2



#48

2-Nitroaniline

Concen: 46.675 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

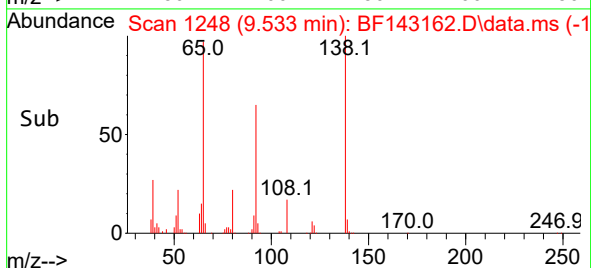
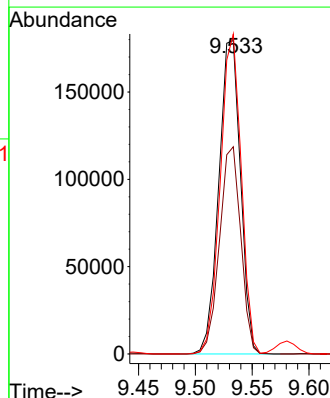
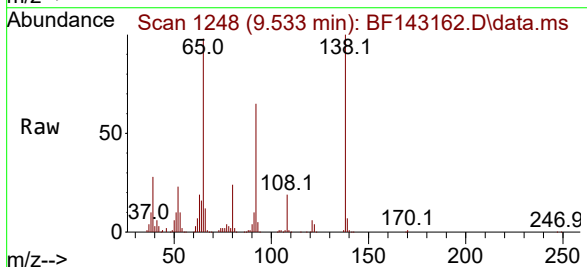
Tgt Ion: 65 Resp: 238471

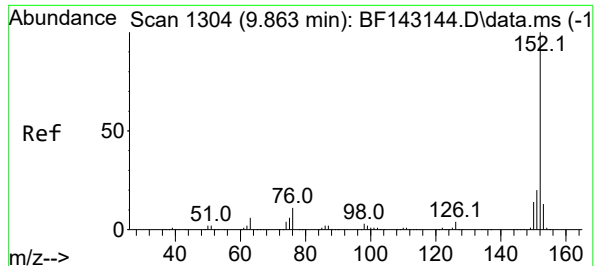
Ion Ratio Lower Upper

65 100

92 66.1 52.4 78.6

138 102.1 82.3 123.5





#49

Acenaphthylene

Concen: 43.191 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

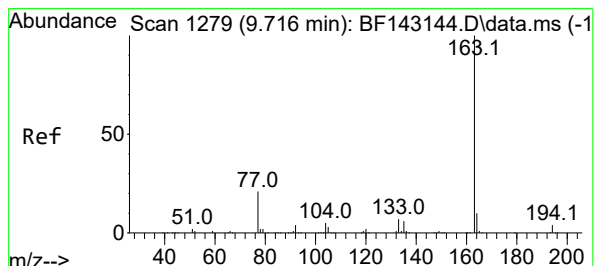
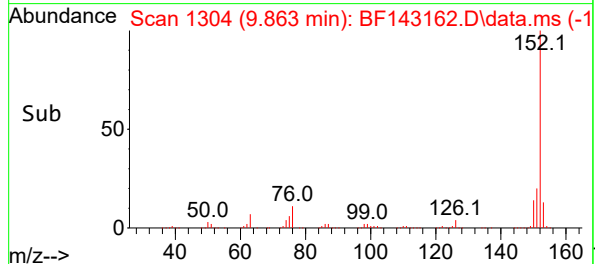
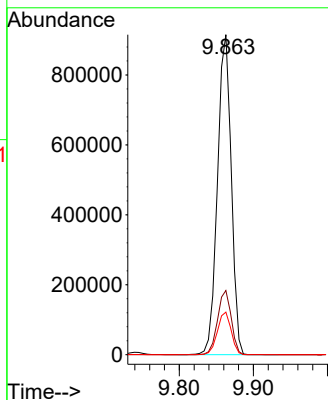
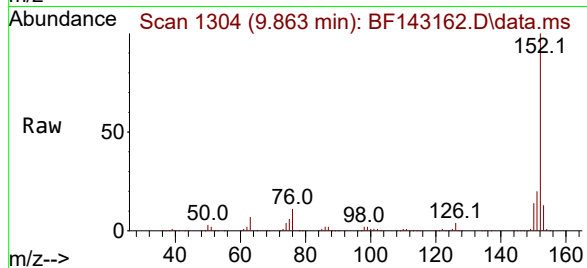
Tgt Ion:152 Resp: 1179238

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 43.873 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

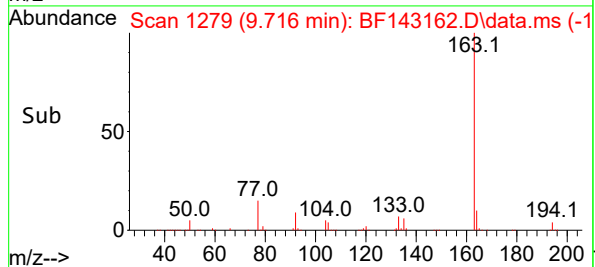
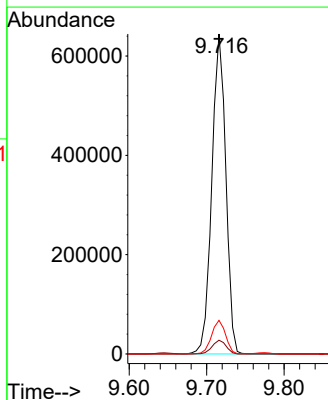
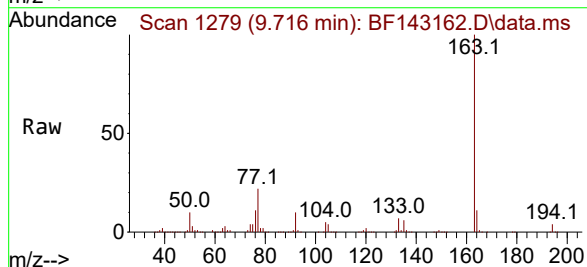
Tgt Ion:163 Resp: 807076

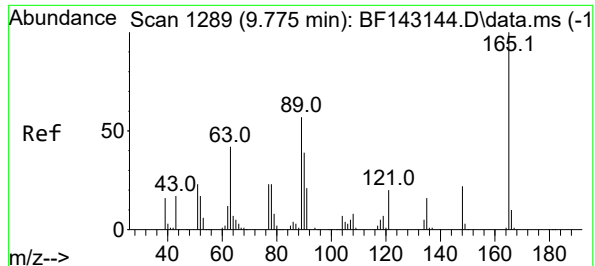
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.5 8.3 12.5

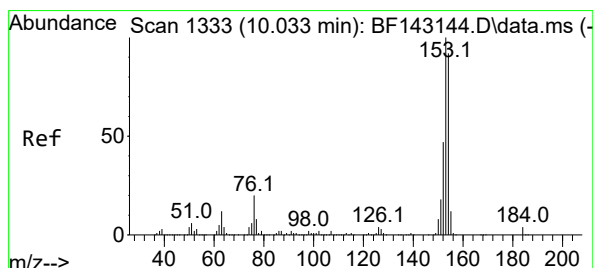
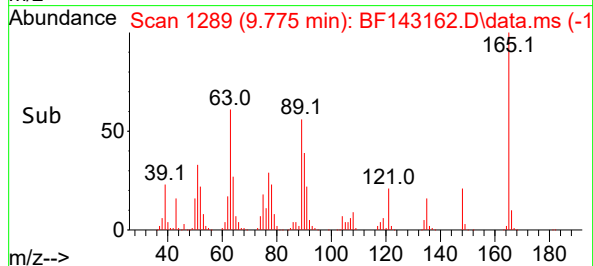
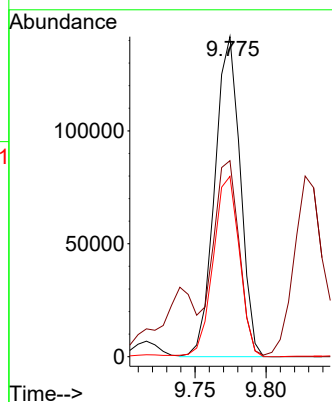
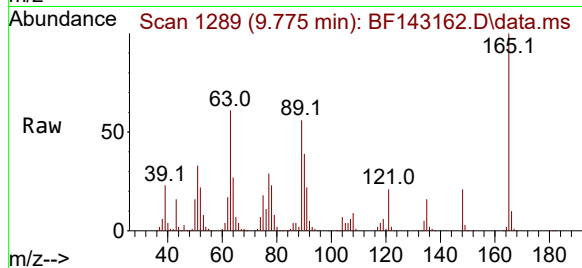




#51
2,6-Dinitrotoluene
Concen: 47.227 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

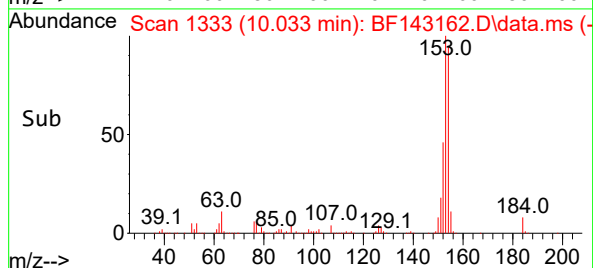
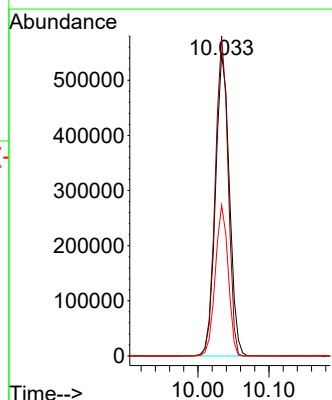
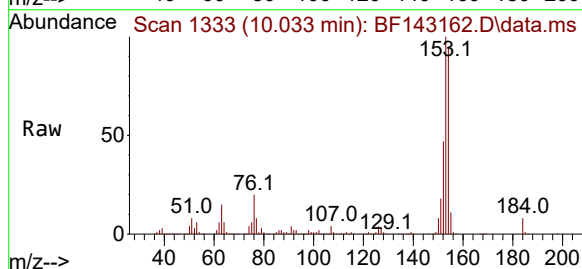
Instrument :
BNA_F
ClientSampleId :
PB168904BS

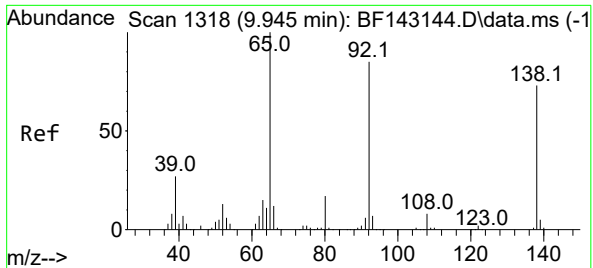
Tgt Ion:165 Resp: 176735
Ion Ratio Lower Upper
165 100
63 61.2 49.4 74.2
89 56.3 46.2 69.2



#52
Acenaphthene
Concen: 46.151 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:154 Resp: 744758
Ion Ratio Lower Upper
154 100
153 105.6 86.6 129.8
152 49.8 40.4 60.6

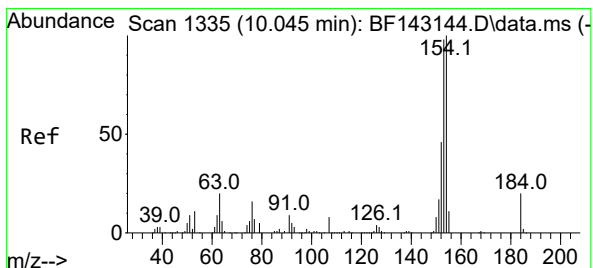
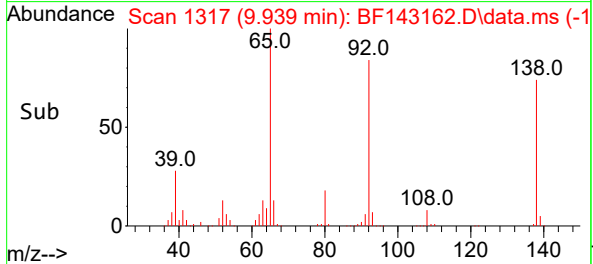
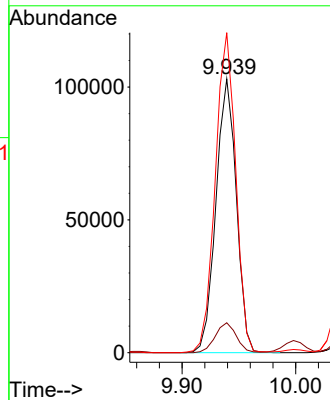
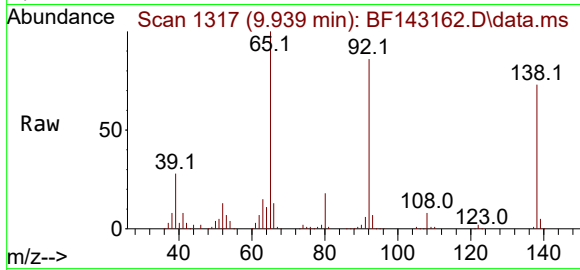




#53
3-Nitroaniline
Concen: 29.387 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

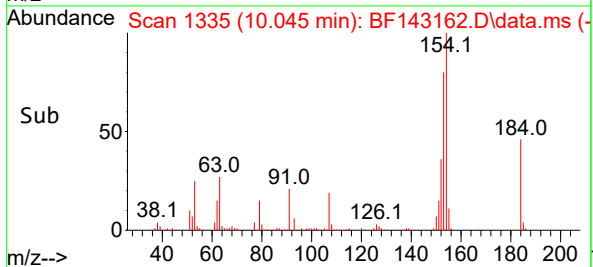
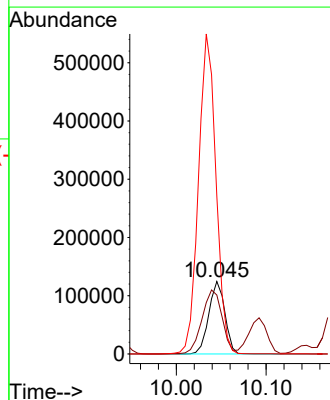
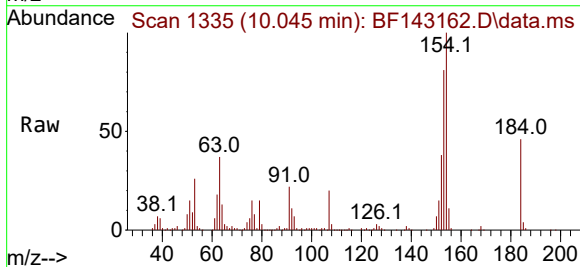
Instrument :
BNA_F
ClientSampleId :
PB168904BS

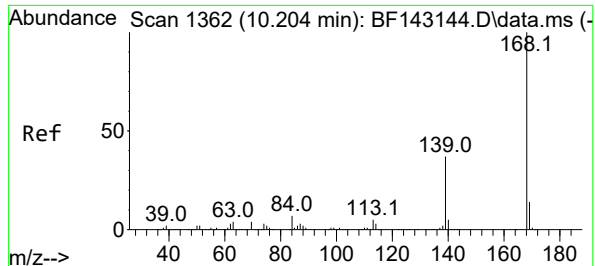
Tgt Ion:138 Resp: 128632
Ion Ratio Lower Upper
138 100
108 11.0 9.0 13.6
92 116.9 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 90.478 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:184 Resp: 155071
Ion Ratio Lower Upper
184 100
63 81.2 81.8 122.6#
154 217.4 412.2 618.4#





#55

Dibenzofuran

Concen: 42.640 ng

RT: 10.204 min Scan# 1362

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

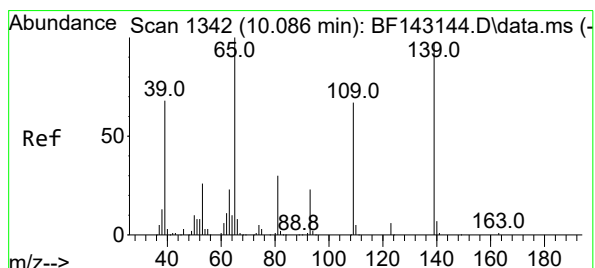
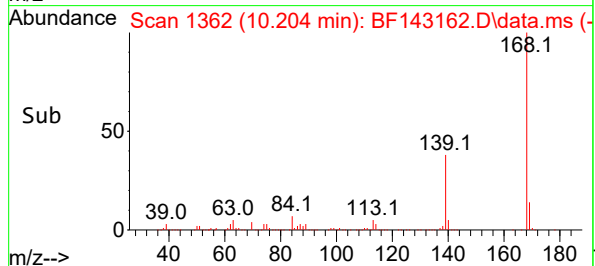
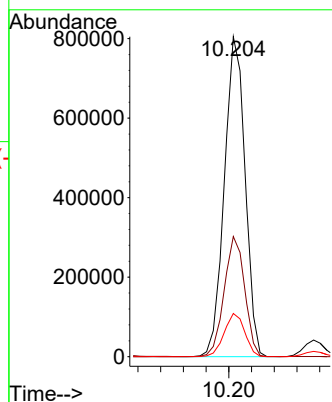
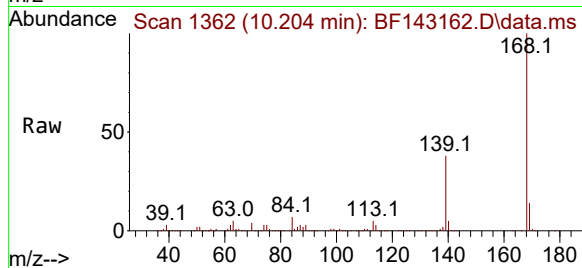
Tgt Ion:168 Resp: 1021602

Ion Ratio Lower Upper

168 100

139 37.6 29.5 44.3

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 89.152 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

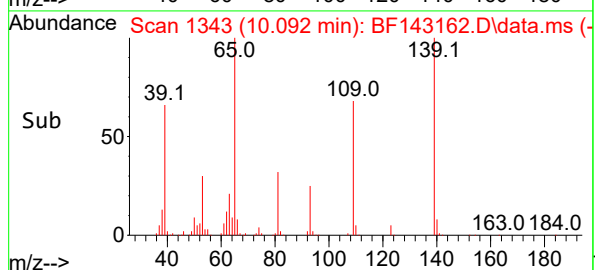
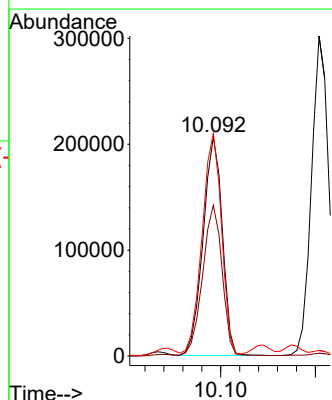
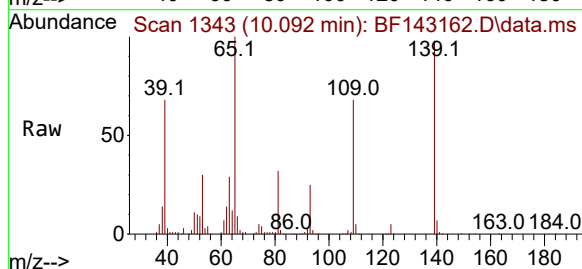
Tgt Ion:139 Resp: 291400

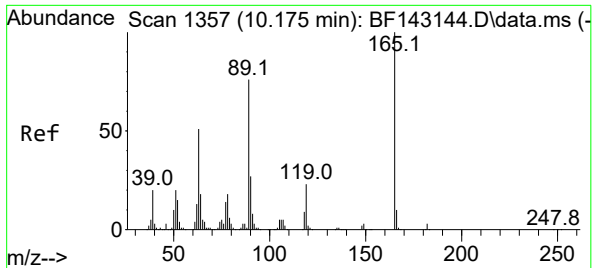
Ion Ratio Lower Upper

139 100

109 68.9 48.5 88.5

65 101.6 83.4 123.4

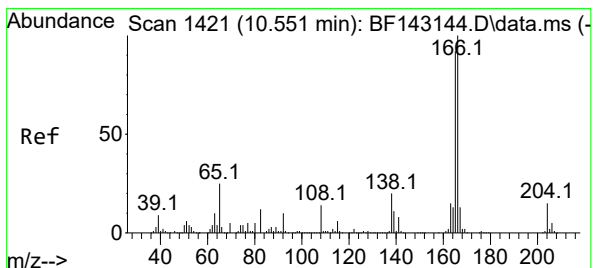
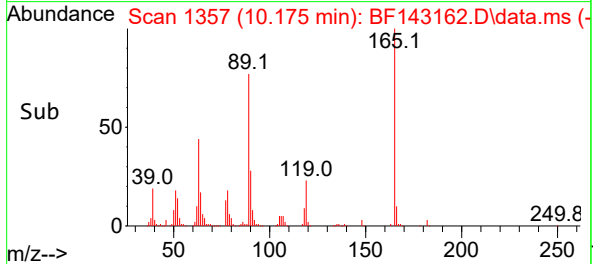
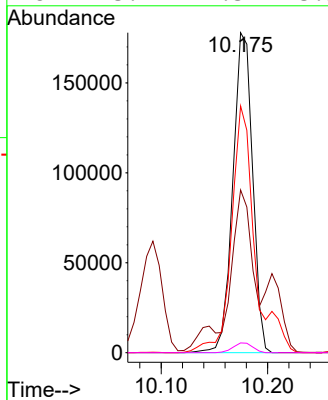
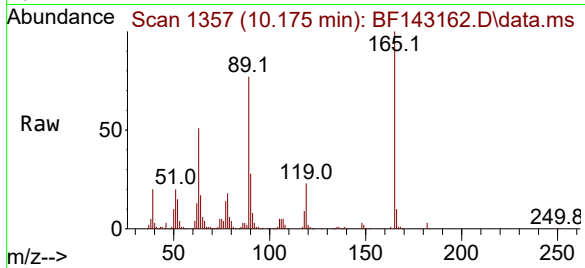




#57
2,4-Dinitrotoluene
Concen: 48.875 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

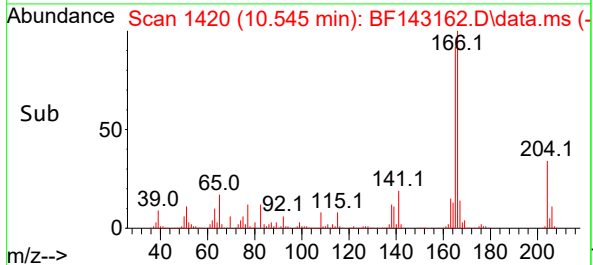
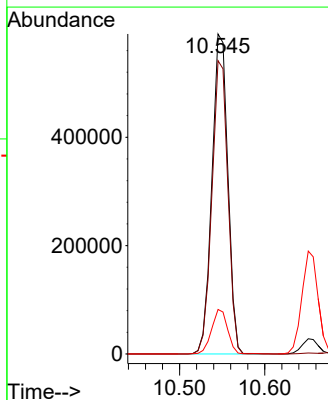
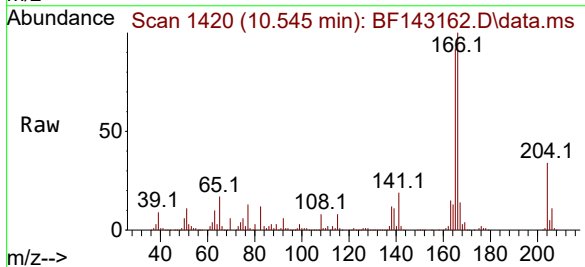
Instrument :
BNA_F
ClientSampleId :
PB168904BS

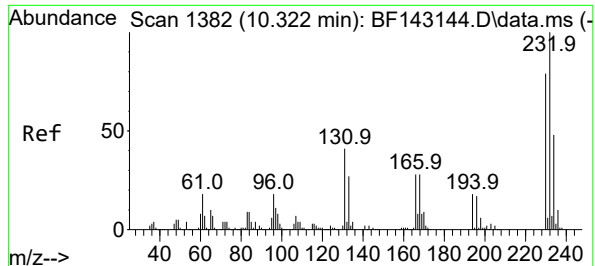
Tgt Ion:165 Resp: 229467
Ion Ratio Lower Upper
165 100
63 50.9 41.0 61.4
89 77.1 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 42.831 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:166 Resp: 770170
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 13.9 10.6 16.0

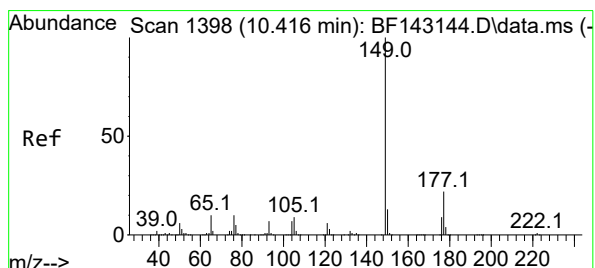
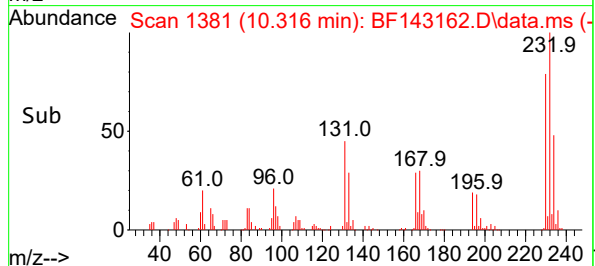
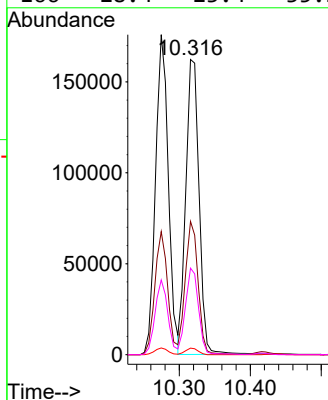
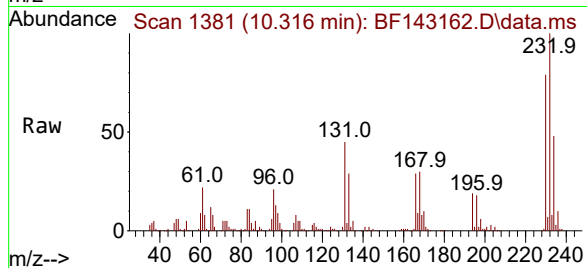




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.074 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

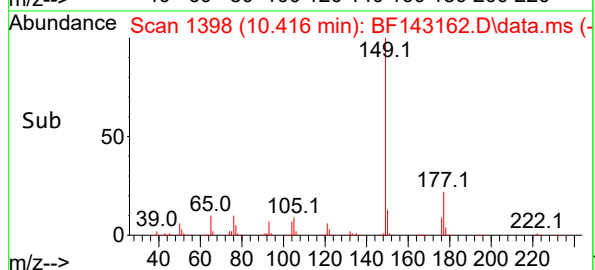
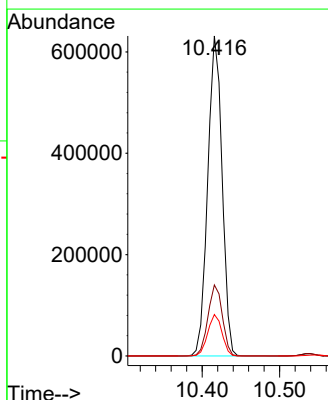
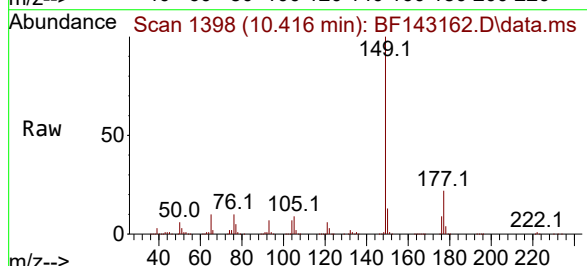
Instrument :
BNA_F
ClientSampleId :
PB168904BS

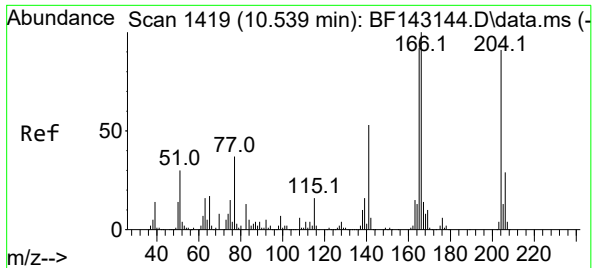
Tgt Ion:232 Resp: 210611
Ion Ratio Lower Upper
232 100
131 43.5 35.3 52.9
130 2.1 1.7 2.5
166 28.4 23.4 35.2



#60
Diethylphthalate
Concen: 44.651 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:149 Resp: 811853
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 13.0 10.2 15.2

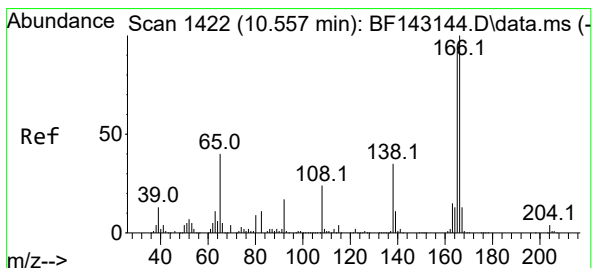
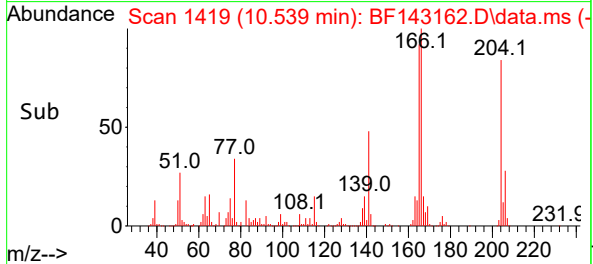
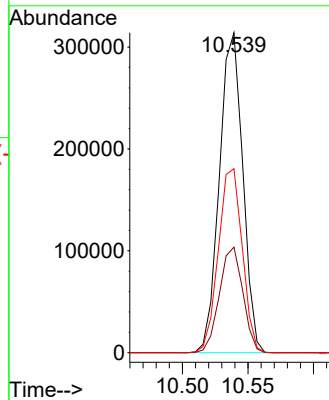
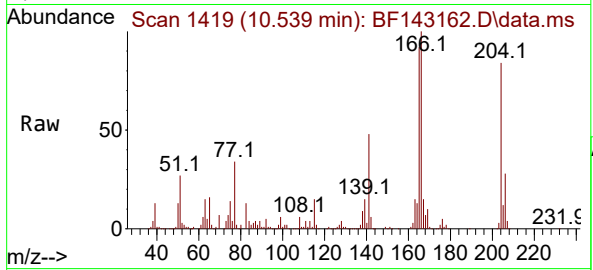




#61
4-Chlorophenyl-phenylether
Concen: 43.440 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

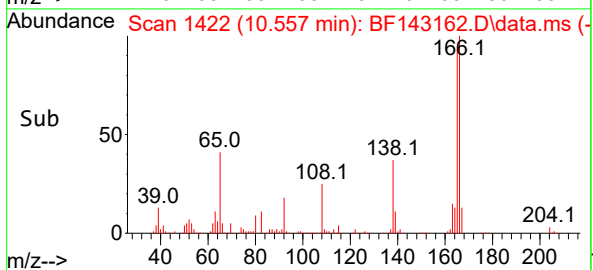
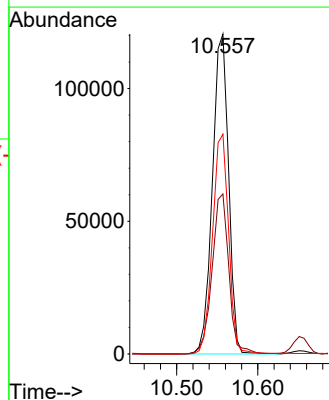
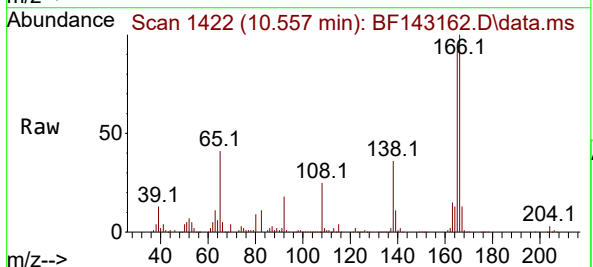
Instrument :
BNA_F
ClientSampleId :
PB168904BS

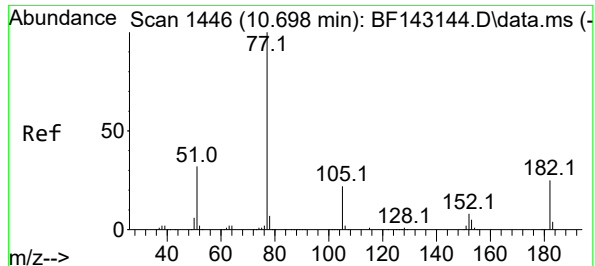
Tgt Ion:204 Resp: 388946
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.8
141 57.5 47.0 70.4



#62
4-Nitroaniline
Concen: 44.297 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:138 Resp: 166177
Ion Ratio Lower Upper
138 100
92 50.0 29.3 69.3
108 68.7 48.3 88.3





#63

Azobenzene

Concen: 44.124 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

Tgt Ion: 77 Resp: 836150

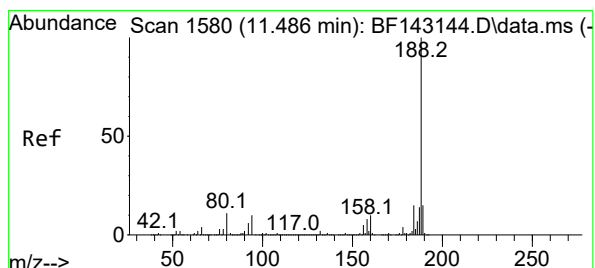
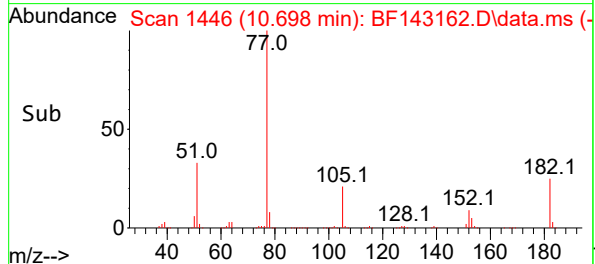
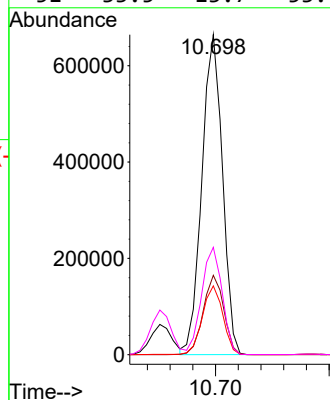
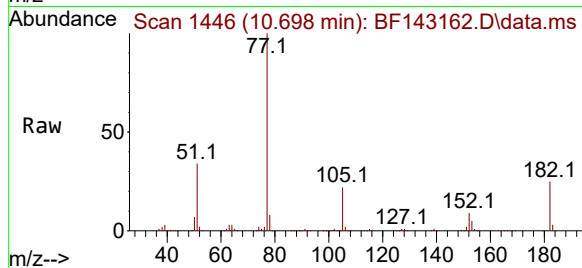
Ion Ratio Lower Upper

77 100

182 24.8 4.6 44.6

105 21.5 1.4 41.4

51 33.5 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

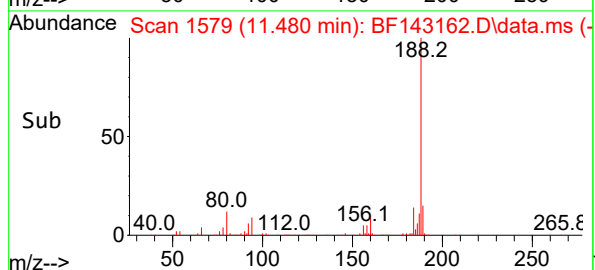
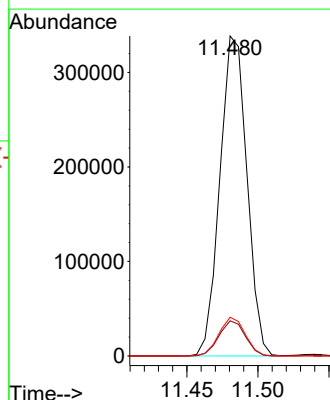
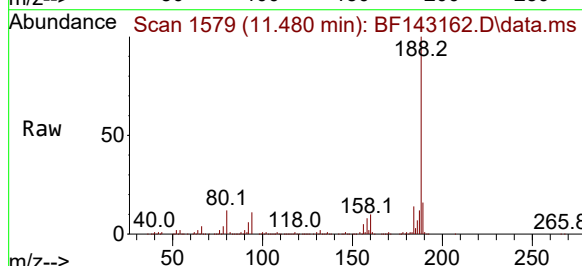
Tgt Ion: 188 Resp: 448321

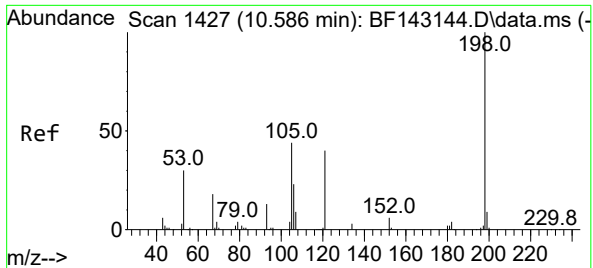
Ion Ratio Lower Upper

188 100

94 11.0 8.3 12.5

80 12.1 9.0 13.6

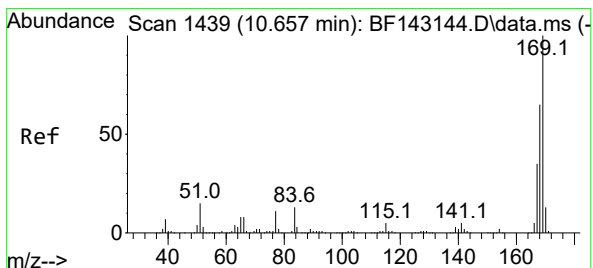
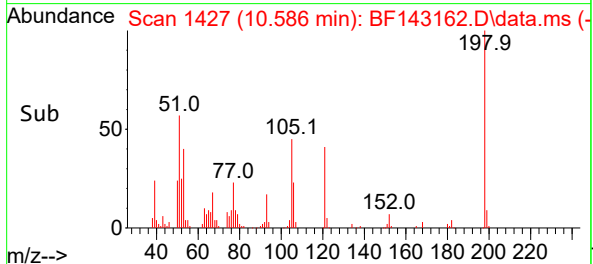
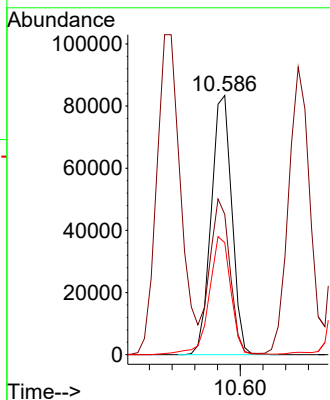
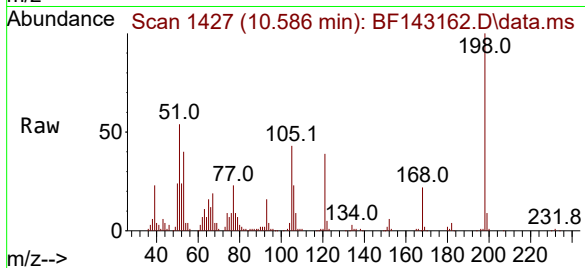




#65
4,6-Dinitro-2-methylphenol
Concen: 45.118 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

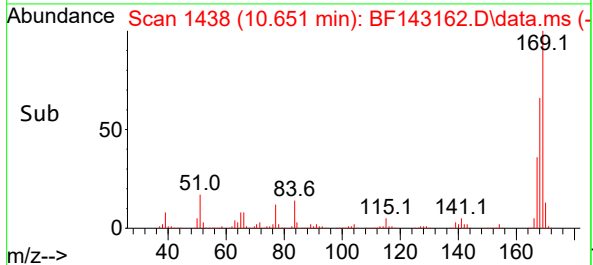
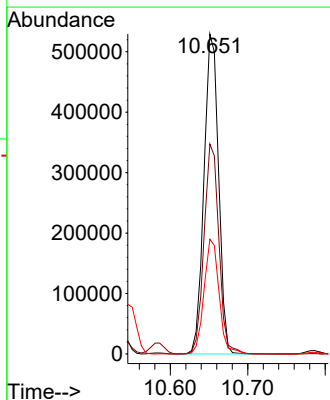
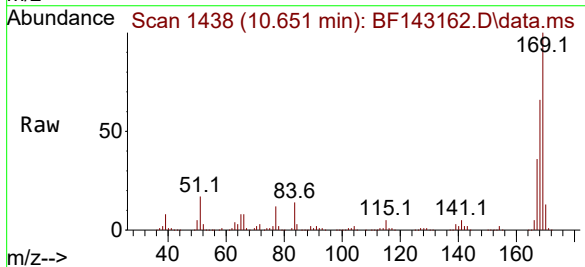
Instrument :
BNA_F
ClientSampleId :
PB168904BS

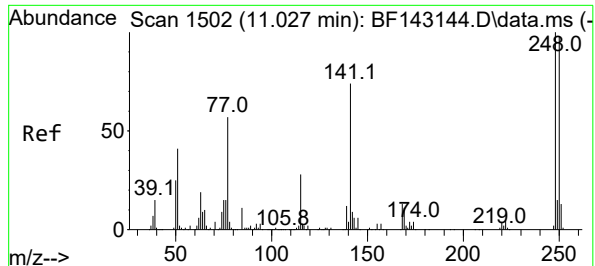
Tgt Ion:198 Resp: 105178
Ion Ratio Lower Upper
198 100
51 54.2 37.2 77.2
105 43.2 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 43.753 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:169 Resp: 690716
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.9 28.2 42.2

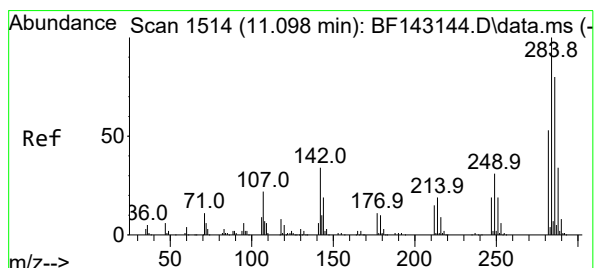
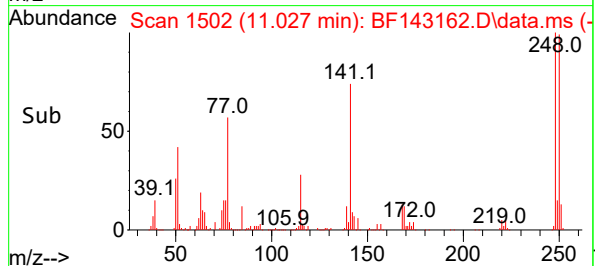
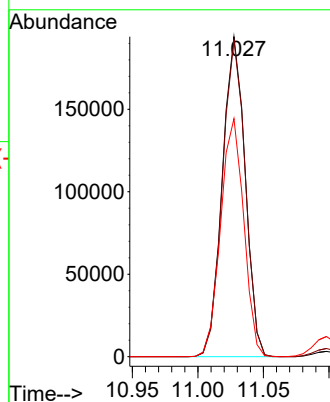
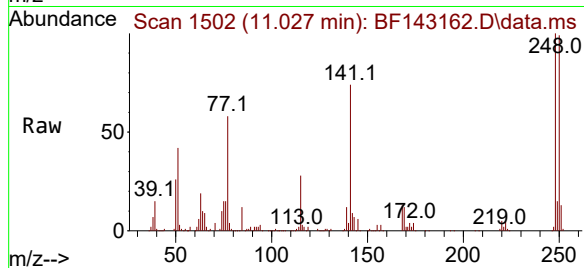




#67
4-Bromophenyl-phenylether
Concen: 44.070 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

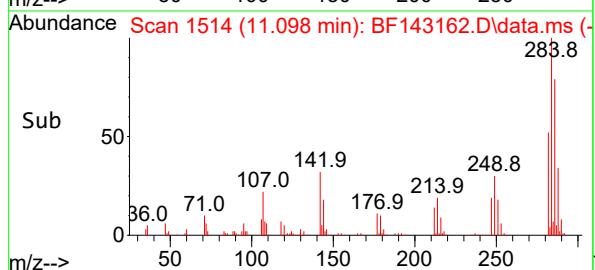
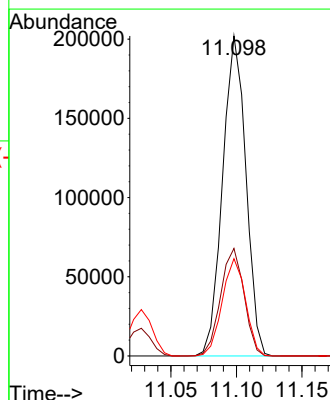
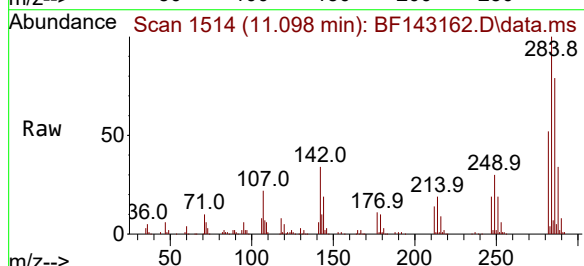
Instrument :
BNA_F
ClientSampleId :
PB168904BS

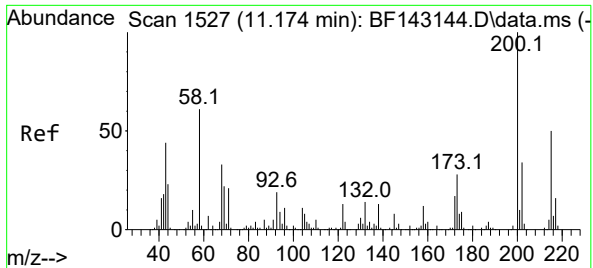
Tgt Ion:248 Resp: 235457
Ion Ratio Lower Upper
248 100
250 98.9 78.3 117.5
141 74.4 59.2 88.8



#68
Hexachlorobenzene
Concen: 44.656 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:284 Resp: 249375
Ion Ratio Lower Upper
284 100
142 33.6 27.0 40.6
249 30.4 25.0 37.6





#69

Atrazine

Concen: 47.393 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

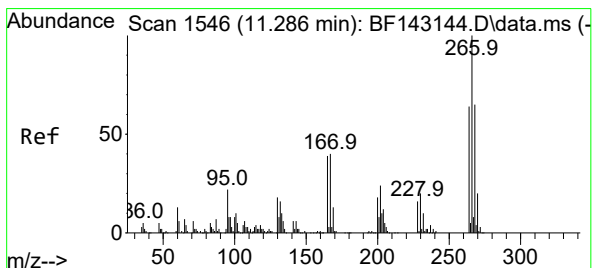
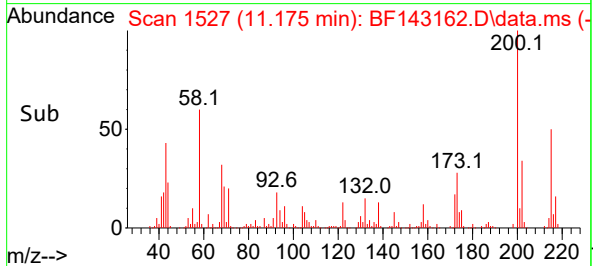
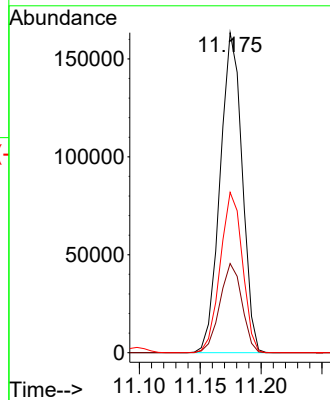
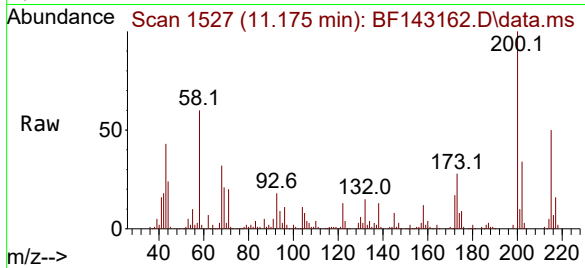
Tgt Ion:200 Resp: 206267

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

215 50.1 30.1 70.1



#70

Pentachlorophenol

Concen: 91.047 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

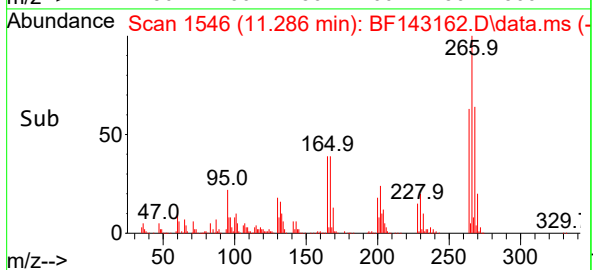
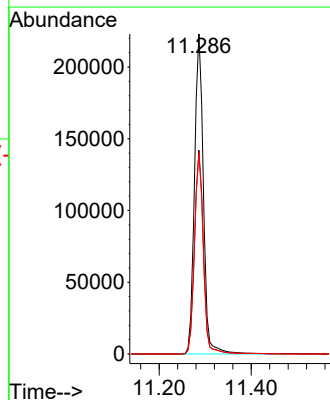
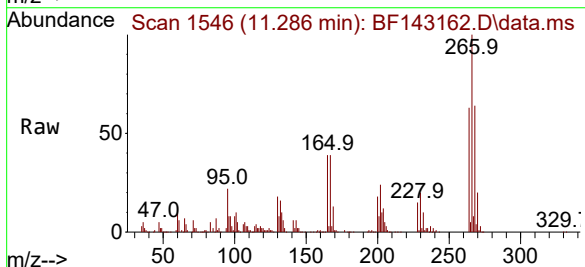
Tgt Ion:266 Resp: 299004

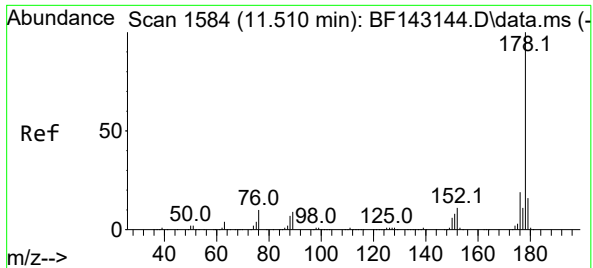
Ion Ratio Lower Upper

266 100

268 63.7 51.9 77.9

264 62.6 51.0 76.6





#71

Phenanthrene

Concen: 43.816 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

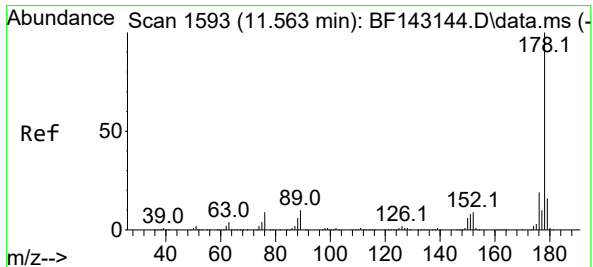
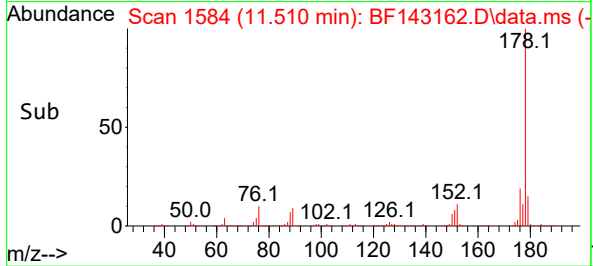
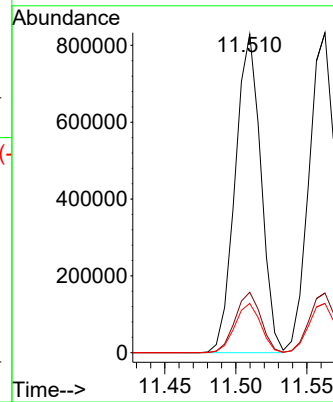
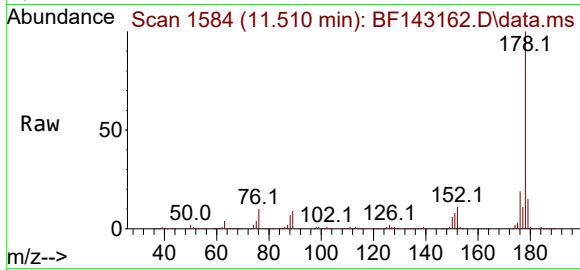
Tgt Ion:178 Resp: 1043022

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 43.817 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

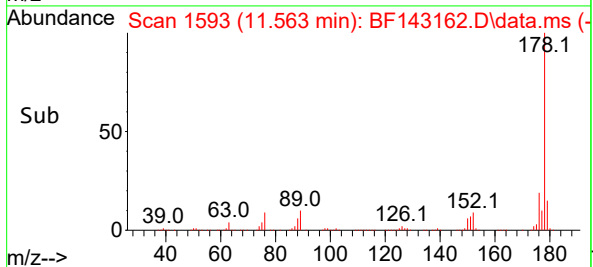
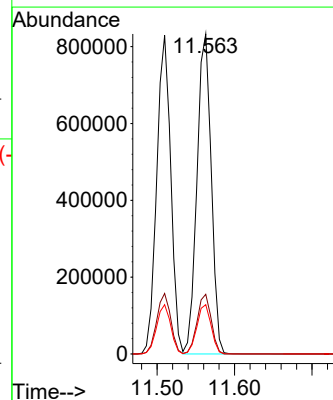
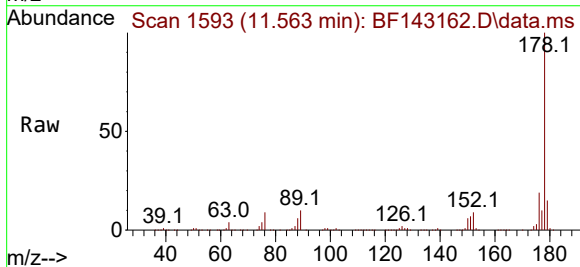
Tgt Ion:178 Resp: 1063793

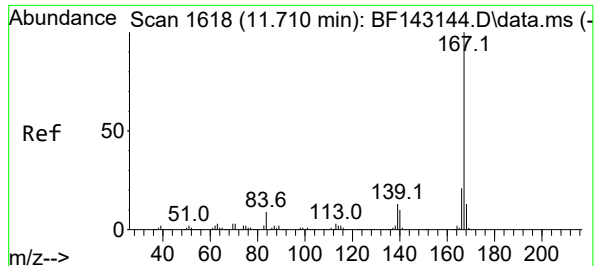
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.4 12.5 18.7

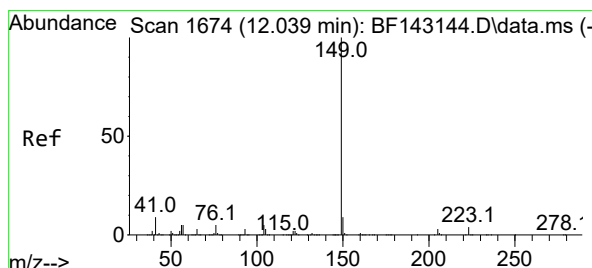
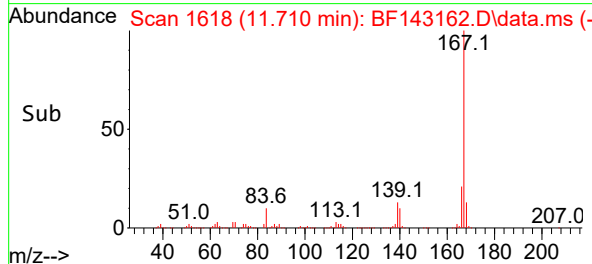
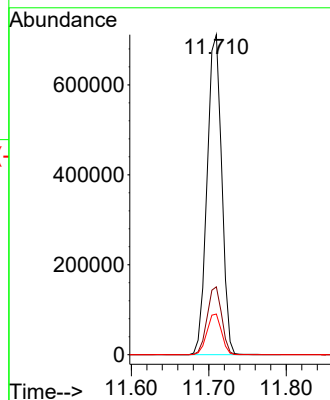
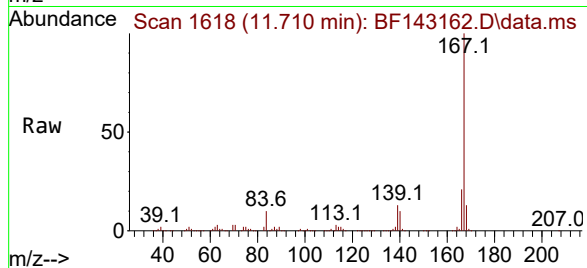




#73
 Carbazole
 Concen: 43.877 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143162.D
 Acq: 18 Jul 2025 12:53

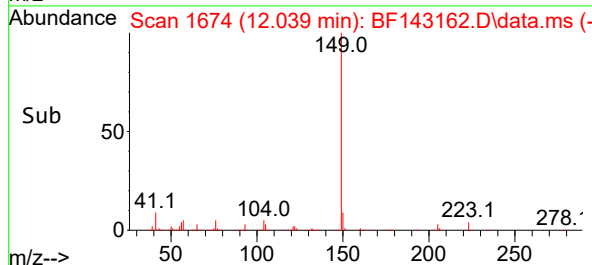
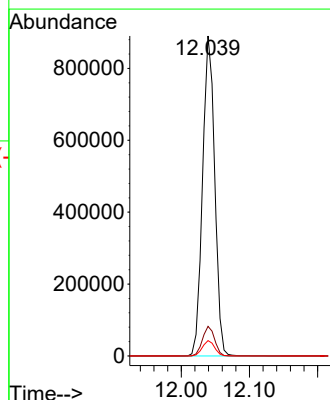
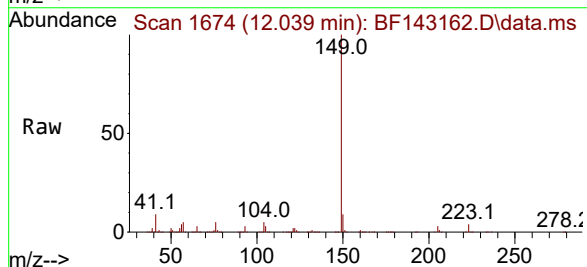
Instrument :
 BNA_F
 ClientSampleId :
 PB168904BS

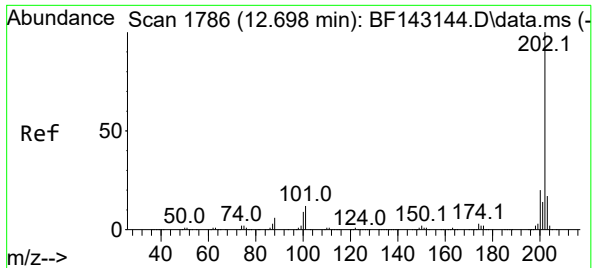
Tgt Ion:167 Resp: 930154
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.7 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 46.000 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143162.D
 Acq: 18 Jul 2025 12:53

Tgt Ion:149 Resp: 1103396
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.8 3.8 5.8

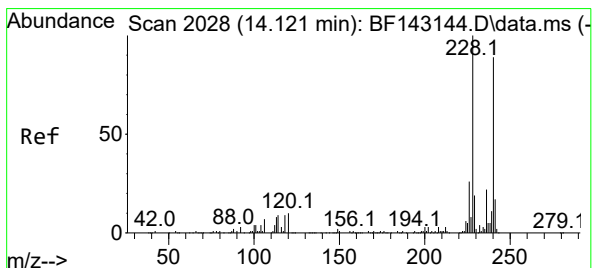
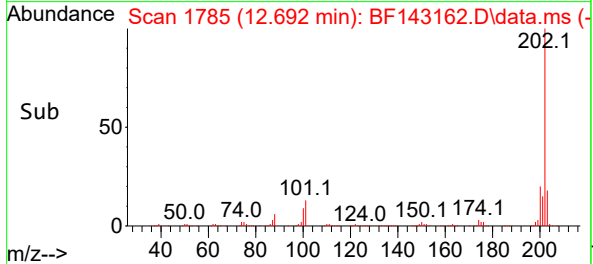
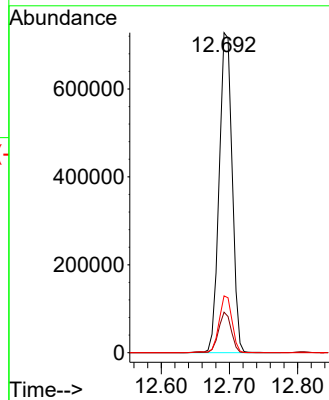
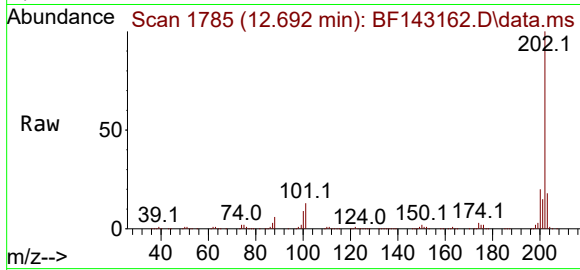




#75
Fluoranthene
Concen: 44.189 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

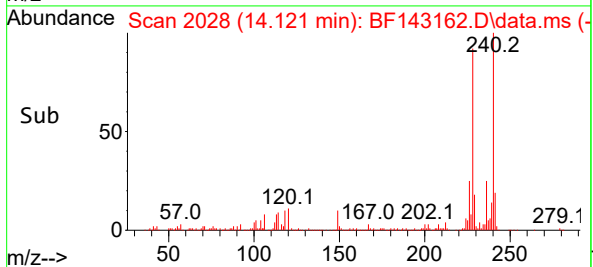
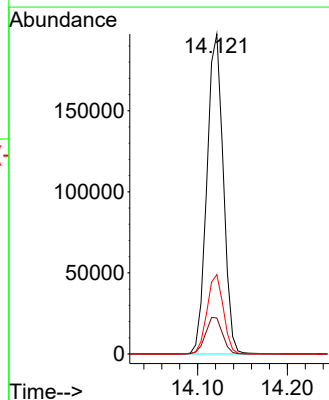
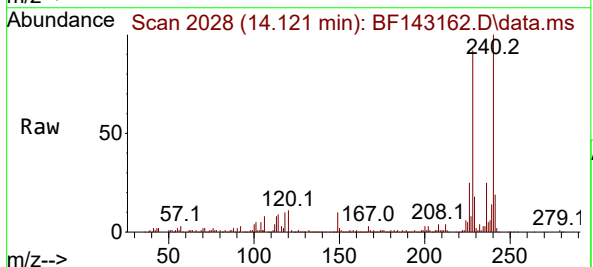
Instrument :
BNA_F
ClientSampleId :
PB168904BS

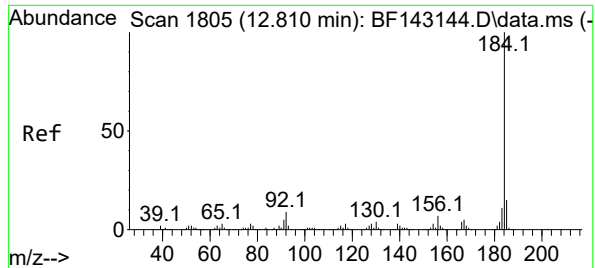
Tgt Ion:202 Resp: 965500
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:240 Resp: 250022
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 24.8 20.2 30.4





#77

Benzidine

Concen: 41.430 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

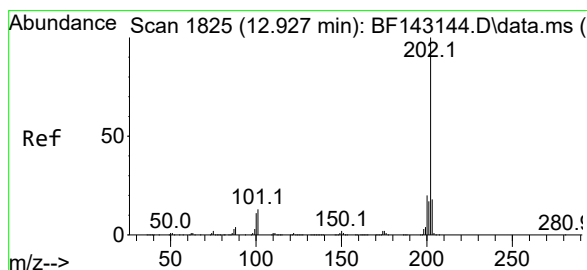
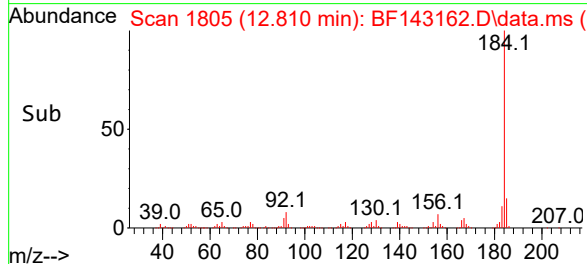
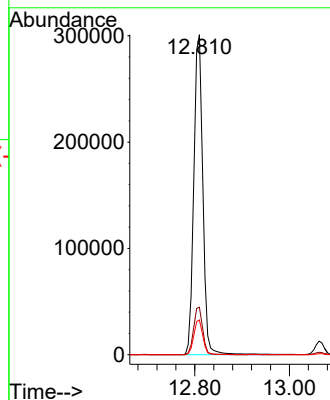
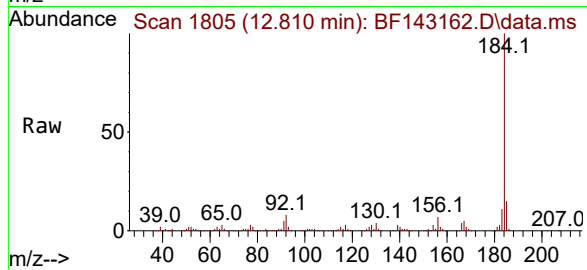
Tgt Ion:184 Resp: 399079

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.4

183 10.9 9.0 13.4



#78

Pyrene

Concen: 44.693 ng

RT: 12.921 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

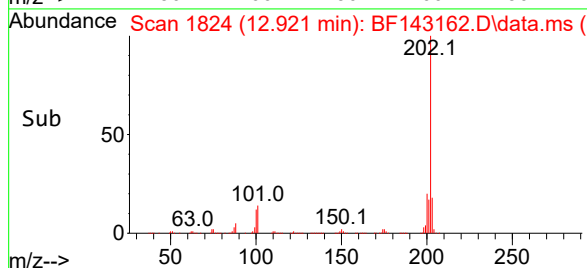
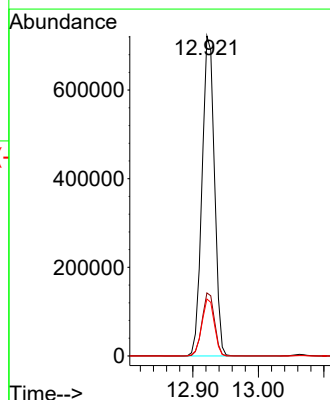
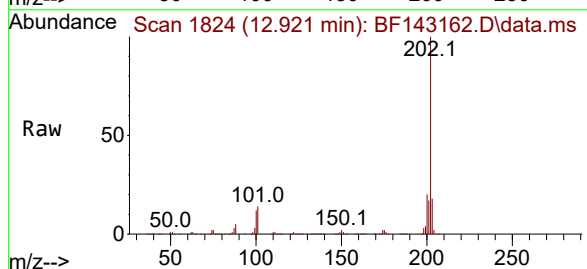
Tgt Ion:202 Resp: 953662

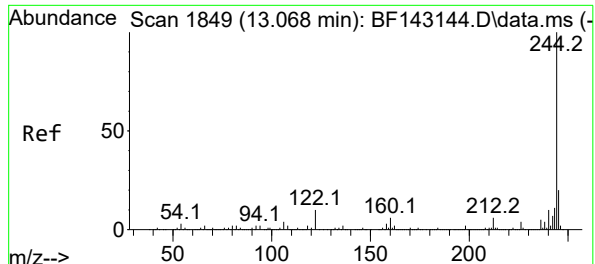
Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 78.753 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

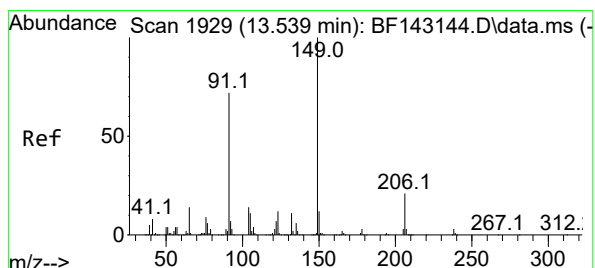
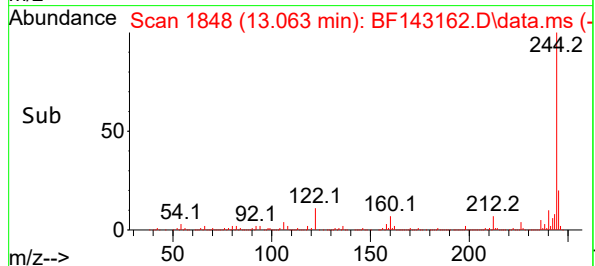
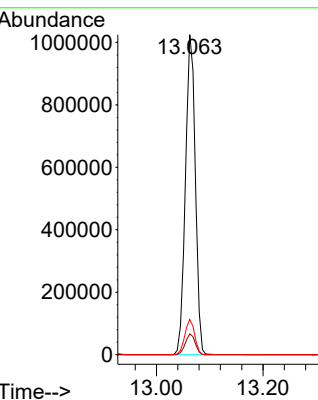
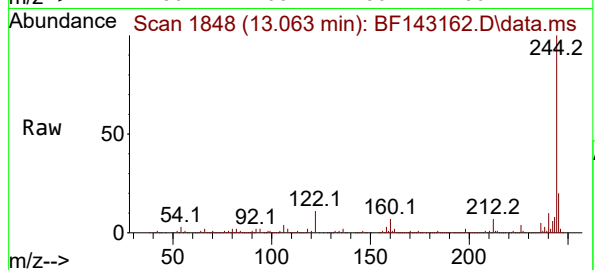
Tgt Ion:244 Resp: 1323160

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 47.318 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

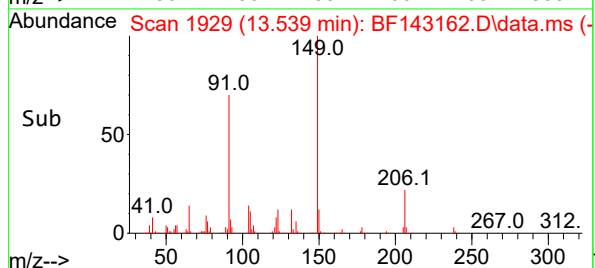
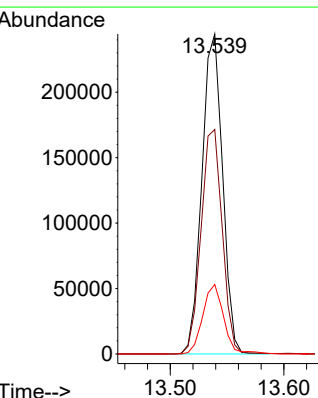
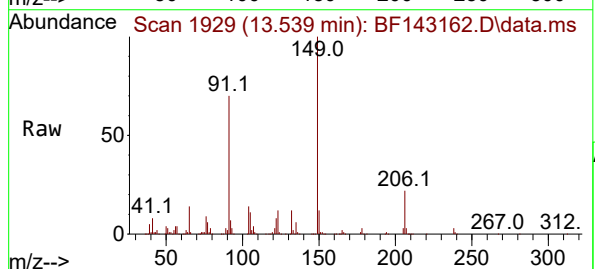
Tgt Ion:149 Resp: 309177

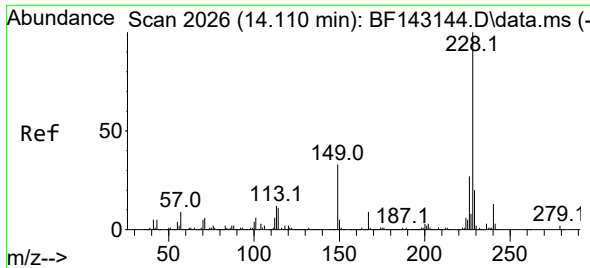
Ion Ratio Lower Upper

149 100

91 70.2 57.9 86.9

206 21.7 17.0 25.4

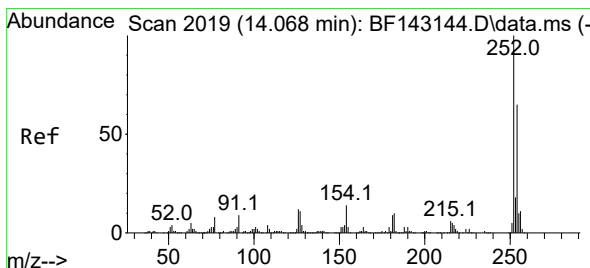
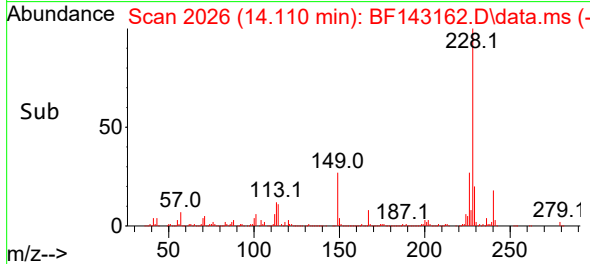
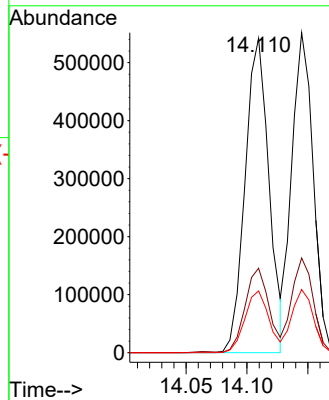
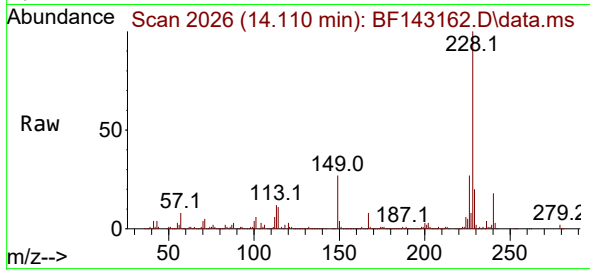




#81
Benzo(a)anthracene
Concen: 44.201 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

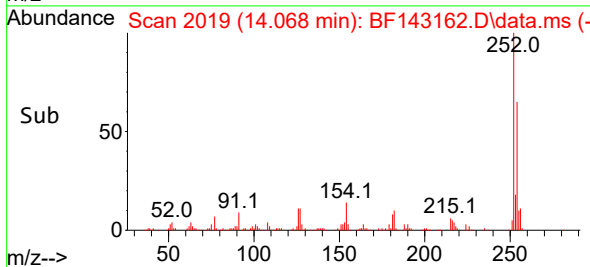
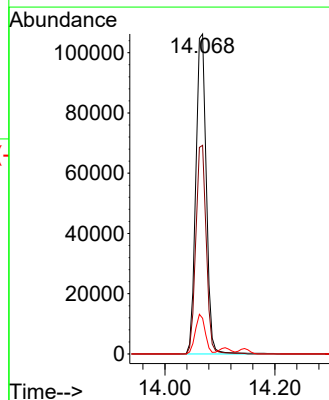
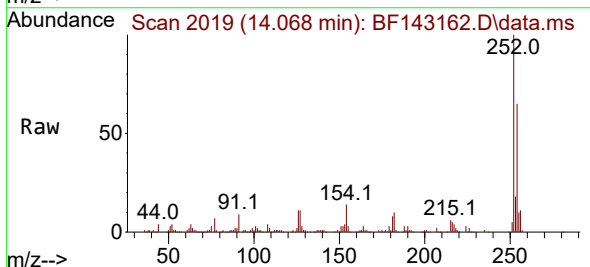
Instrument :
BNA_F
ClientSampleId :
PB168904BS

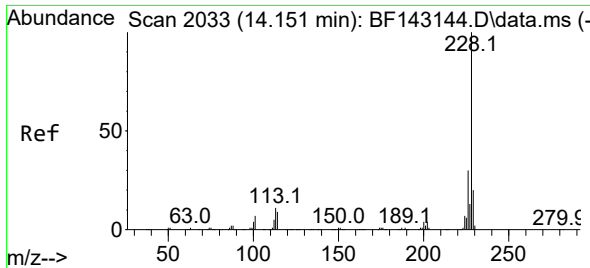
Tgt Ion:228 Resp: 739873
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 25.131 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:252 Resp: 140203
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 11.1 9.4 14.0

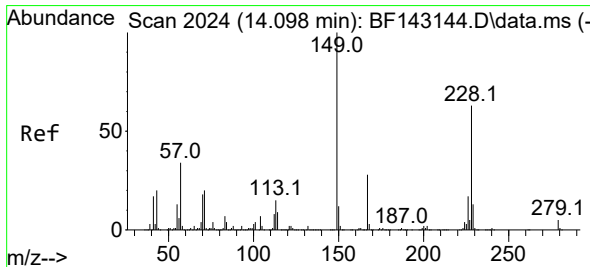
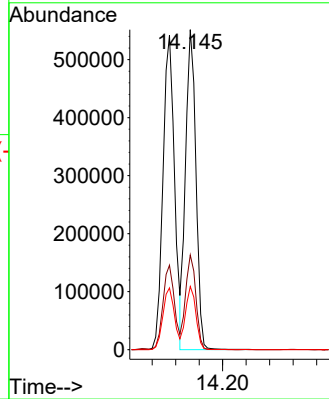
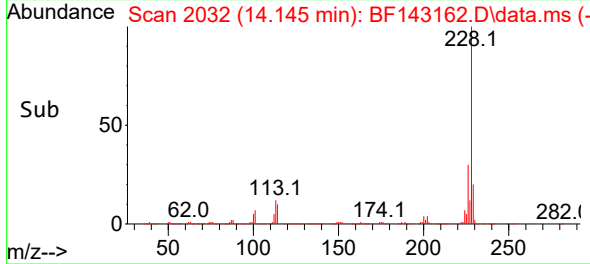
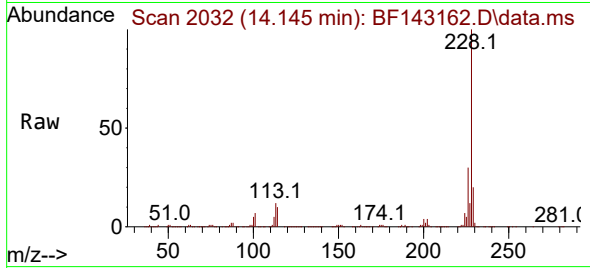




#83
Chrysene
Concen: 45.060 ng
RT: 14.145 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

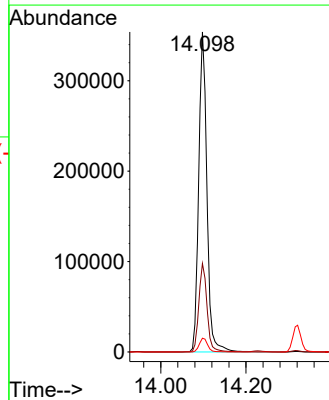
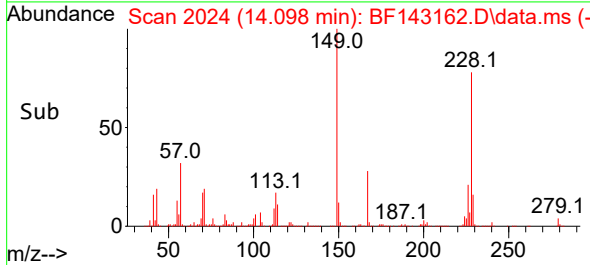
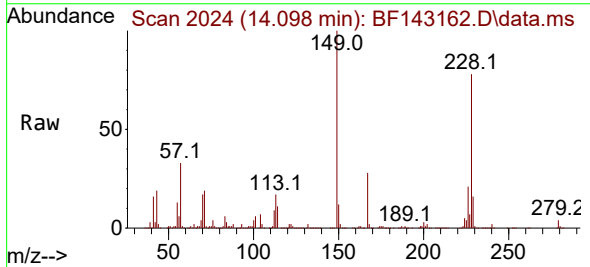
Instrument :
BNA_F
ClientSampleId :
PB168904BS

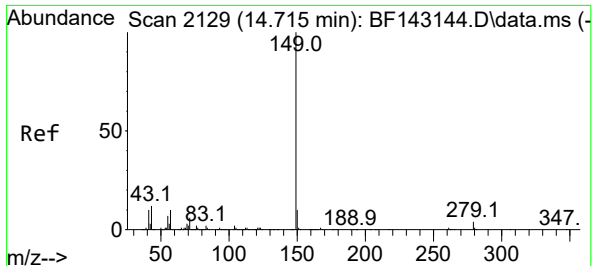
Tgt Ion:228 Resp: 678150
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 19.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.767 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:149 Resp: 472409
Ion Ratio Lower Upper
149 100
167 27.7 22.3 33.5
279 4.3 3.6 5.4

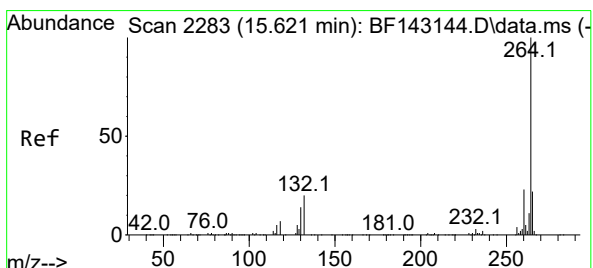
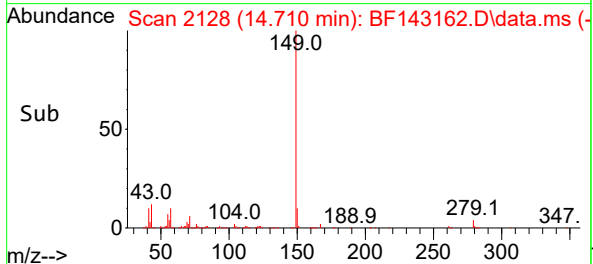
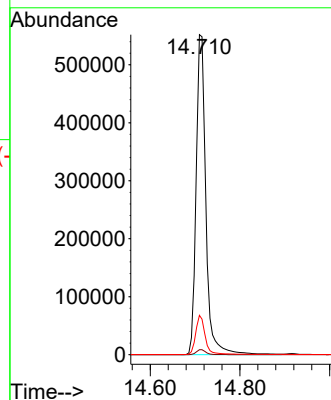
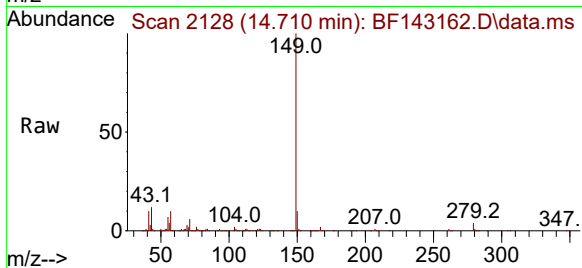




#85
Di-n-octyl phthalate
Concen: 46.478 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

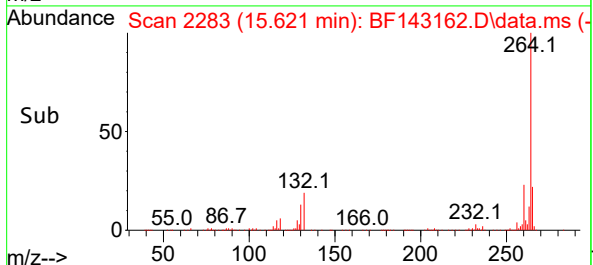
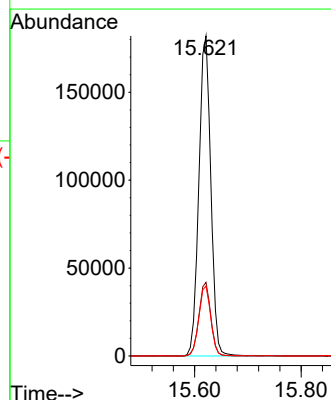
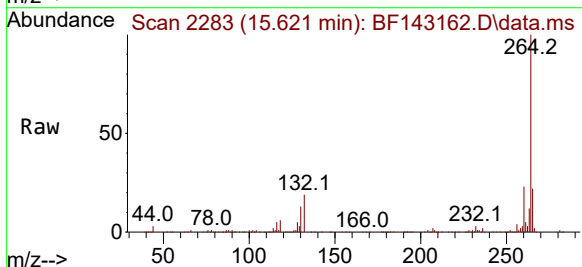
Instrument :
BNA_F
ClientSampleId :
PB168904BS

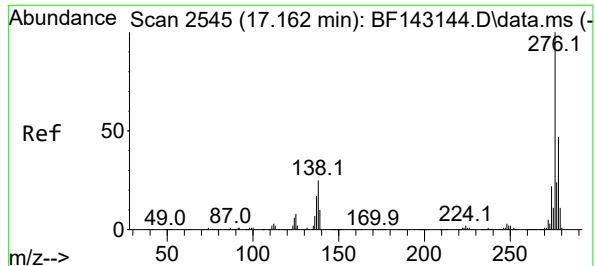
Tgt Ion:149 Resp: 833202
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 12.0 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143162.D
Acq: 18 Jul 2025 12:53

Tgt Ion:264 Resp: 283255
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.839 ng

RT: 17.156 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

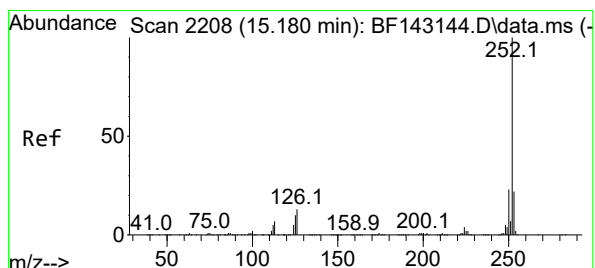
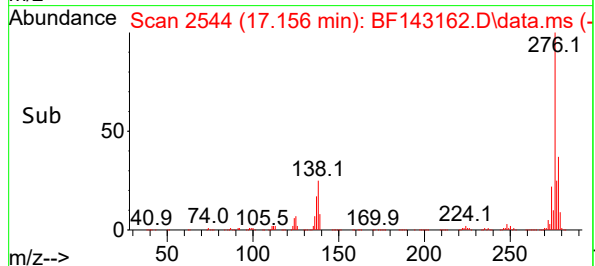
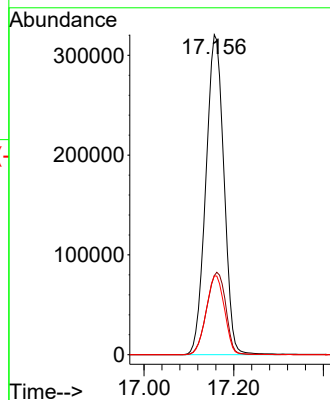
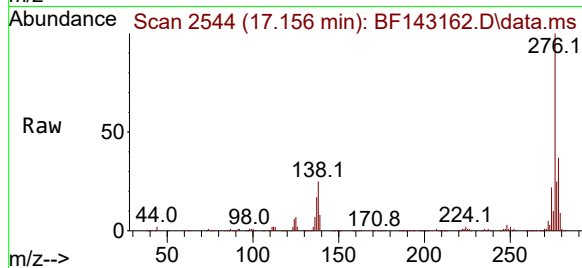
Tgt Ion:276 Resp: 895590

Ion Ratio Lower Upper

276 100

138 27.3 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 44.712 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

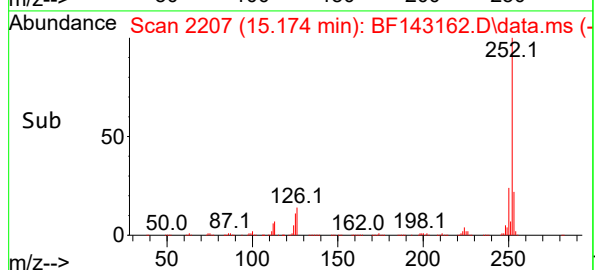
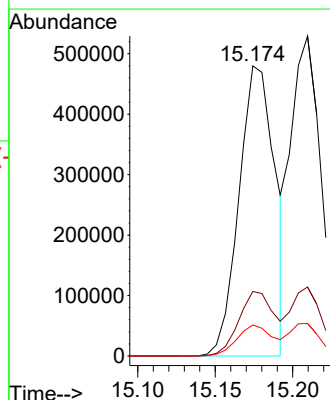
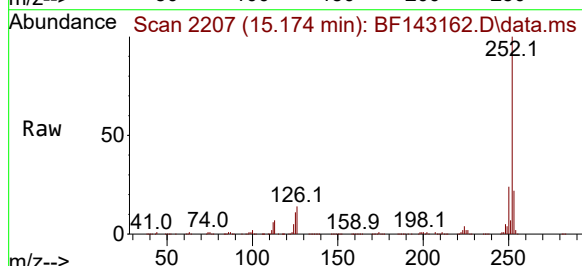
Tgt Ion:252 Resp: 773715

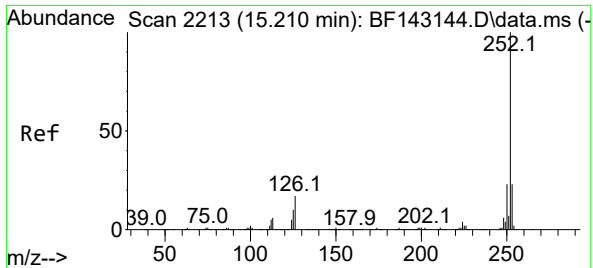
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 46.506 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

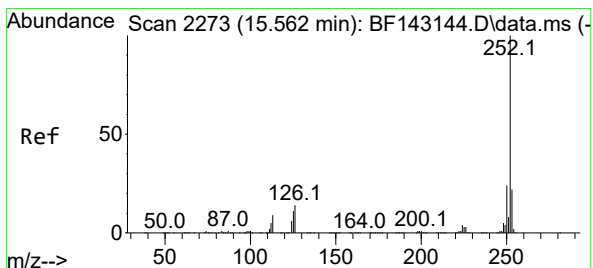
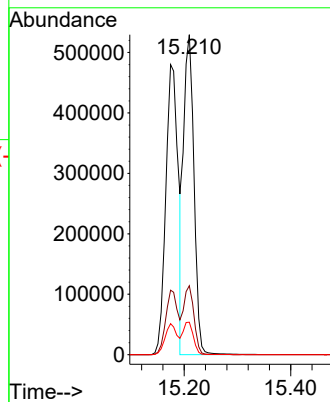
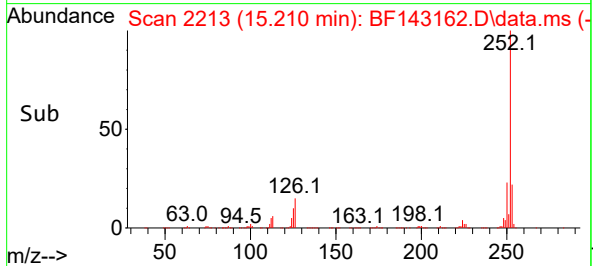
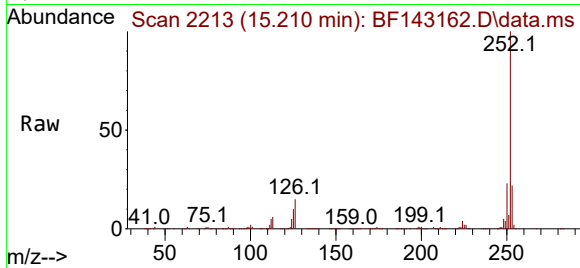
Tgt Ion:252 Resp: 718119

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 10.2 8.1 12.1



#90

Benzo(a)pyrene

Concen: 45.662 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

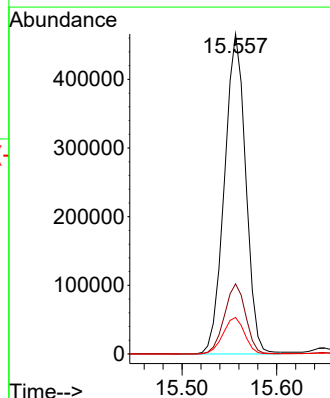
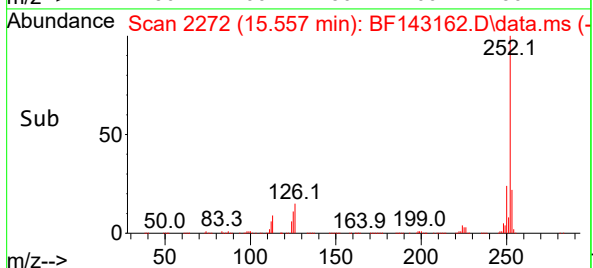
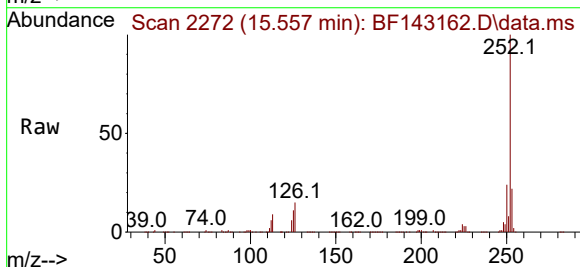
Tgt Ion:252 Resp: 727999

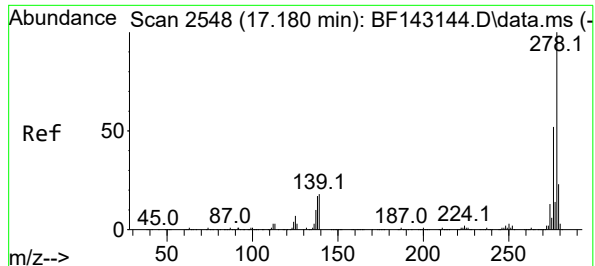
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 11.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 44.980 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

Instrument :

BNA_F

ClientSampleId :

PB168904BS

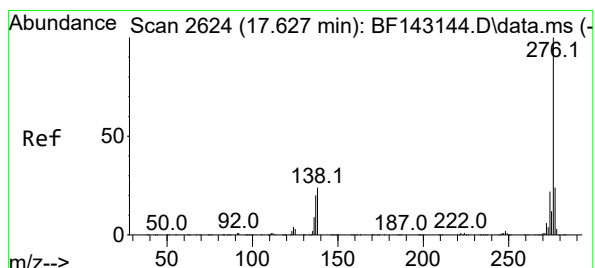
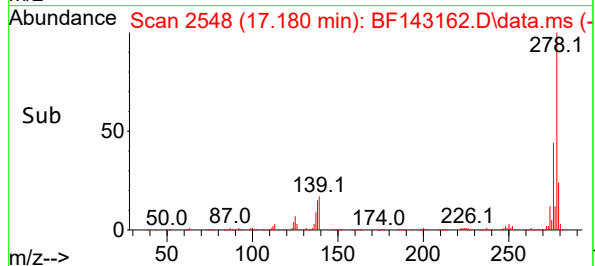
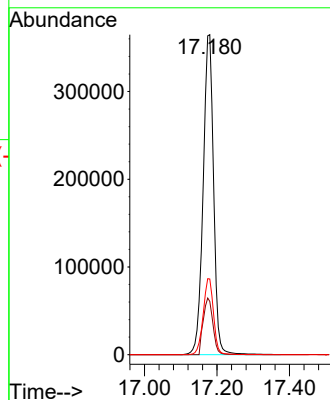
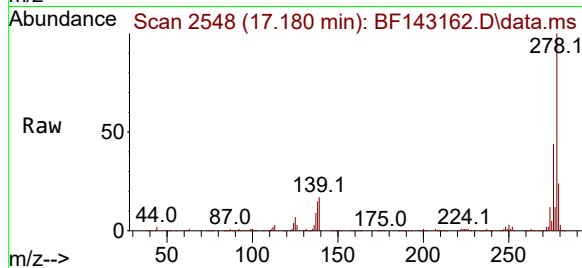
Tgt Ion:278 Resp: 731233

Ion Ratio Lower Upper

278 100

139 16.7 14.1 21.1

279 23.7 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 44.855 ng

RT: 17.621 min Scan# 2623

Delta R.T. -0.006 min

Lab File: BF143162.D

Acq: 18 Jul 2025 12:53

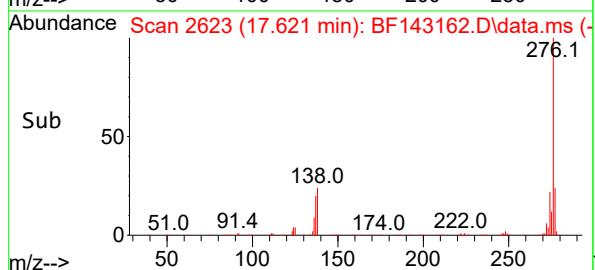
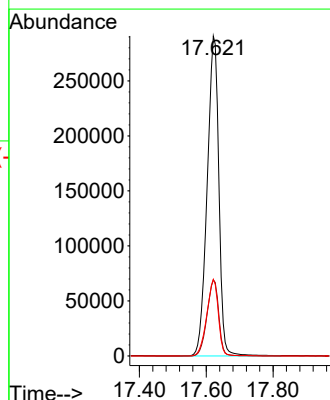
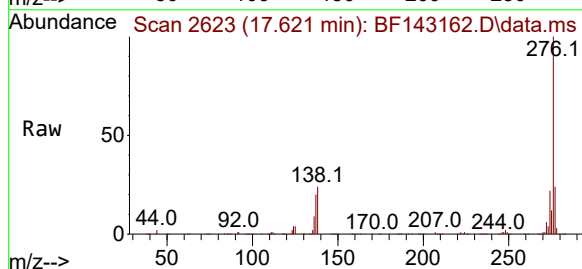
Tgt Ion:276 Resp: 705378

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 24.0 18.9 28.3



Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BSD	SDG No.:	Q2585
Lab Sample ID:	PB168904BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143163.D	1	07/17/25 08:39	07/18/25 13:22	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	43.2		0.86	10.0	ug/L
108-95-2	Phenol	43.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.8		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	44.0		0.58	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.8		1.30	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.2		1.40	5.00	ug/L
67-72-1	Hexachloroethane	44.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.5		0.76	5.00	ug/L
78-59-1	Isophorone	44.0		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.4		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.2		0.52	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.5		0.54	5.00	ug/L
91-20-3	Naphthalene	43.6		0.50	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.6		0.54	5.00	ug/L
59-50-7	4-Chloro-3-methylphenol	45.0		0.59	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	87.5	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.1		0.51	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.9		0.61	5.00	ug/L
131-11-3	Dimethylphthalate	45.0		0.61	5.00	ug/L
208-96-8	Acenaphthylene	43.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.5		0.92	5.00	ug/L
83-32-9	Acenaphthene	47.0		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	93.7	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	92.8	E	2.40	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.7		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.6		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.7		0.68	5.00	ug/L

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BSD	SDG No.:	Q2585
Lab Sample ID:	PB168904BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143163.D	1	07/17/25 08:39	07/18/25 13:22	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-73-7	Fluorene	43.1		0.63	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.6		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.58	5.00	ug/L
103-33-3	Azobenzene	45.0		0.81	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.5		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	89.7	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.9		0.50	5.00	ug/L
120-12-7	Anthracene	43.1		0.61	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	5.00	ug/L
92-87-5	Benzidine	41.5		4.30	10.0	ug/L
129-00-0	Pyrene	43.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	47.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.0		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.4		0.45	5.00	ug/L
218-01-9	Chrysene	46.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.3		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	46.4		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.5		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.5		0.69	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	81.3	60 - 140	81%	SPK: 100
13127-88-3	Phenol-d6	82.2	60 - 140	82%	SPK: 100
4165-60-0	Nitrobenzene-d5	80.7	60 - 140	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.9	60 - 140	75%	SPK: 100

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	PB168904BSD	SDG No.:	Q2585
Lab Sample ID:	PB168904BSD	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143163.D	1	07/17/25 08:39	07/18/25 13:22	PB168904

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83.4		60 - 140	83%	SPK: 100
1718-51-0	Terphenyl-d14	78.0		60 - 140	78%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	134000	6.963
1146-65-2	Naphthalene-d8	525000	8.245
15067-26-2	Acenaphthene-d10	272000	9.998
1517-22-2	Phenanthrene-d10	444000	11.481
1719-03-5	Chrysene-d12	252000	14.122
1520-96-3	Perylene-d12	280000	15.621

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\BF071825\
 Data File : BF143163.D
 Acq On : 18 Jul 2025 13:22
 Operator : RC/JU
 Sample : PB168904BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168904BSD

Quant Time: Jul 18 13:45:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	134233	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	524933	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	272308	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	443930	20.000	ng	0.00
76) Chrysene-d12	14.122	240	252328	20.000	ng	0.00
86) Perylene-d12	15.621	264	280075	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	689324	81.264	ng	0.00
7) Phenol-d6	6.581	99	877854	82.220	ng	0.00
23) Nitrobenzene-d5	7.516	82	849641	80.681	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	234514	83.365	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1490518	74.859	ng	0.00
79) Terphenyl-d14	13.063	244	1322859	78.016	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.905	88	148250	36.936	ng	100
3) Pyridine	3.652	79	404777	38.854	ng	98
4) n-Nitrosodimethylamine	3.593	42	232460	43.218	ng	98
6) Aniline	6.622	93	509293	34.226	ng	99
8) 2-Chlorophenol	6.746	128	391235	44.001	ng	98
9) Benzaldehyde	6.510	77	279137	34.866	ng	97
10) Phenol	6.593	94	507550m	43.636	ng	
11) bis(2-Chloroethyl)ether	6.693	93	390023	43.795	ng	98
12) 1,3-Dichlorobenzene	6.904	146	405894	42.023	ng	99
13) 1,4-Dichlorobenzene	6.981	146	412718	42.430	ng	99
14) 1,2-Dichlorobenzene	7.134	146	399171	43.146	ng	99
15) Benzyl Alcohol	7.098	79	358599	43.987	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	724154	43.834	ng	100
17) 2-Methylphenol	7.204	107	329392	44.059	ng	98
18) Hexachloroethane	7.481	117	148035	43.962	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	295904	43.198	ng	99
20) 3+4-Methylphenols	7.357	107	408476	45.033	ng	# 88
22) Acetophenone	7.363	105	535066	43.054	ng	97
24) Nitrobenzene	7.540	77	436819	44.491	ng	100
25) Isophorone	7.775	82	817053	43.950	ng	100
26) 2-Nitrophenol	7.857	139	203332	47.719	ng	99
27) 2,4-Dimethylphenol	7.887	122	385257	44.356	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	488053	43.786	ng	99
29) 2,4-Dichlorophenol	8.092	162	323576	44.175	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	336097	42.472	ng	99
31) Naphthalene	8.263	128	1127603m	43.617	ng	
32) Benzoic acid	7.993	122	227846m	46.723	ng	
33) 4-Chloroaniline	8.304	127	205458	19.464	ng	99
34) Hexachlorobutadiene	8.387	225	210749	43.596	ng	100
35) Caprolactam	8.669	113	106998m	48.340	ng	
36) 4-Chloro-3-methylphenol	8.781	107	358475	45.026	ng	100
37) 2-Methylnaphthalene	8.957	142	682326	43.373	ng	100
38) 1-Methylnaphthalene	9.057	142	711574	43.926	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	331686	42.189	ng	99
41) Hexachlorocyclopentadiene	9.116	237	447550	87.490	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	234546	43.107	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143163.D
 Acq On : 18 Jul 2025 13:22
 Operator : RC/JU
 Sample : PB168904BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168904BSD

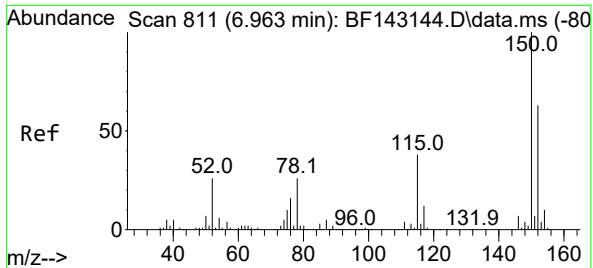
Quant Time: Jul 18 13:45:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	250713	46.064	ng	99
46) 1,1'-Biphenyl	9.422	154	926298	43.600	ng	100
47) 2-Chloronaphthalene	9.445	162	673620	42.851	ng	100
48) 2-Nitroaniline	9.528	65	233503	47.366	ng	97
49) Acenaphthylene	9.863	152	1146165	43.507	ng	100
50) Dimethylphthalate	9.716	163	798798	45.003	ng	99
51) 2,6-Dinitrotoluene	9.775	165	175169	48.512	ng	99
52) Acenaphthene	10.034	154	731488	46.978	ng	98
53) 3-Nitroaniline	9.939	138	125947	29.821	ng	99
54) 2,4-Dinitrophenol	10.045	184	155426	93.727	ng	# 2
55) Dibenzofuran	10.204	168	1001067	43.303	ng	99
56) 4-Nitrophenol	10.092	139	292549	92.760	ng	98
57) 2,4-Dinitrotoluene	10.175	165	229791	50.725	ng	99
58) Fluorene	10.545	166	747135	43.062	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	211171	46.838	ng	99
60) Diethylphthalate	10.416	149	799680	45.581	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	377435	43.688	ng	99
62) 4-Nitroaniline	10.557	138	164448	45.431	ng	99
63) Azobenzene	10.698	77	823357	45.030	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	102823	44.613	ng	97
66) n-Nitrosodiphenylamine	10.651	169	682448	43.657	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	231921	43.838	ng	100
68) Hexachlorobenzene	11.098	284	246065	44.499	ng	99
69) Atrazine	11.175	200	202166	46.910	ng	99
70) Pentachlorophenol	11.286	266	291731	89.711	ng	99
71) Phenanthrene	11.510	178	1035532	43.932	ng	100
72) Anthracene	11.563	178	1037171	43.143	ng	99
73) Carbazole	11.710	167	926315	44.128	ng	100
74) Di-n-butylphthalate	12.039	149	1092806	46.009	ng	100
75) Fluoranthene	12.698	202	973043	44.975	ng	100
77) Benzidine	12.810	184	403621	41.518	ng	99
78) Pyrene	12.927	202	946188	43.938	ng	100
80) Butylbenzylphthalate	13.539	149	312264	47.354	ng	100
81) Benzo(a)anthracene	14.110	228	749253	44.352	ng	100
82) 3,3'-Dichlorobenzidine	14.069	252	140515	24.957	ng	99
83) Chrysene	14.145	228	699428	46.049	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	469258	47.015	ng	100
85) Di-n-octyl phthalate	14.716	149	827899	45.761	ng	100
87) Indeno(1,2,3-cd)pyrene	17.157	276	877169	44.416	ng	100
88) Benzo(b)fluoranthene	15.174	252	774966	45.293	ng	99
89) Benzo(k)fluoranthene	15.210	252	707707	46.352	ng	99
90) Benzo(a)pyrene	15.557	252	716468	45.449	ng	99
91) Dibenzo(a,h)anthracene	17.174	278	715895	44.536	ng	100
92) Benzo(g,h,i)perylene	17.621	276	692338	44.525	ng	99

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

Instrument :
BNA_F
ClientSampleId :
PB168904BSD

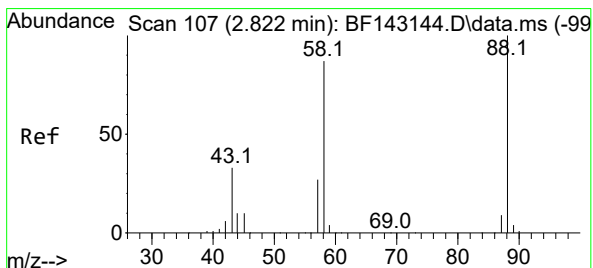
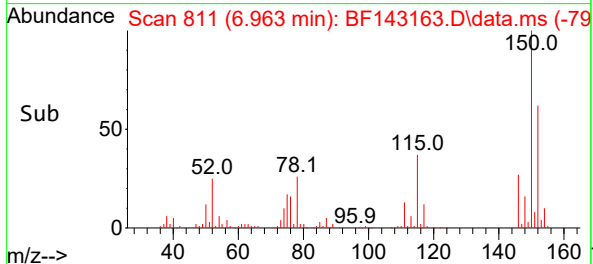
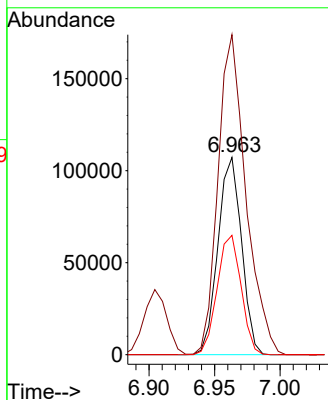
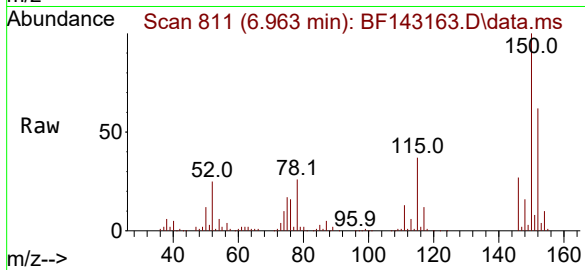
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143163.D
 Acq: 18 Jul 2025 13:22

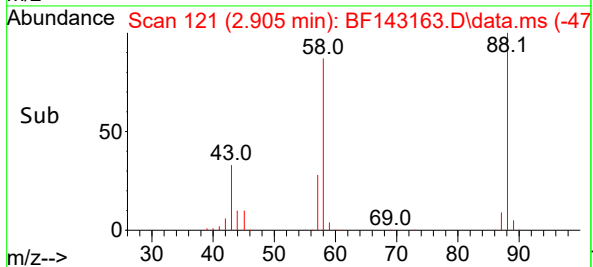
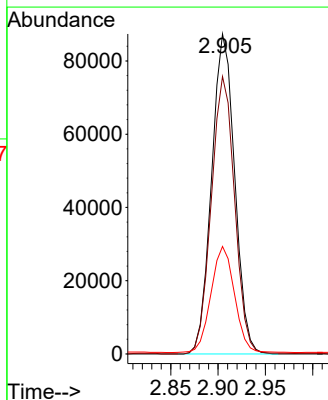
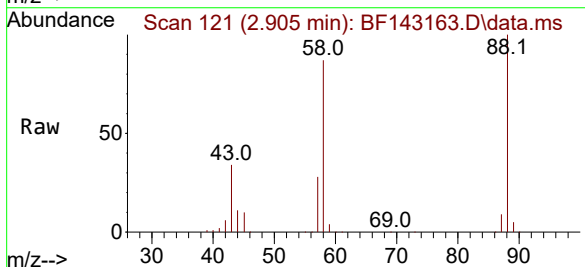
Instrument :
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 ClientSampleId :
 PB168904BSD

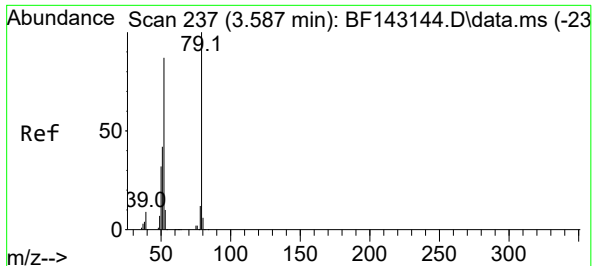
Tgt Ion:152 Resp: 134233
 Ion Ratio Lower Upper
 152 100
 150 162.1 128.2 192.4
 115 60.5 47.9 71.9



#2
 1,4-Dioxane
 Concen: 36.936 ng
 RT: 2.905 min Scan# 121
 Delta R.T. 0.083 min
 Lab File: BF143163.D
 Acq: 18 Jul 2025 13:22

Tgt Ion: 88 Resp: 148250
 Ion Ratio Lower Upper
 88 100
 58 87.7 70.2 105.2
 43 33.7 27.1 40.7

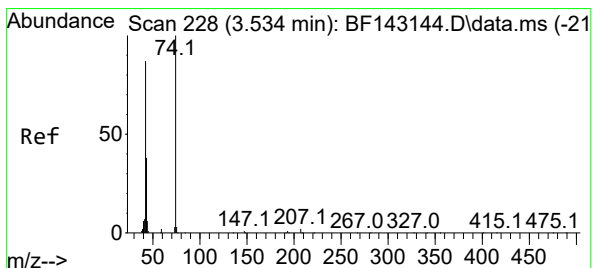
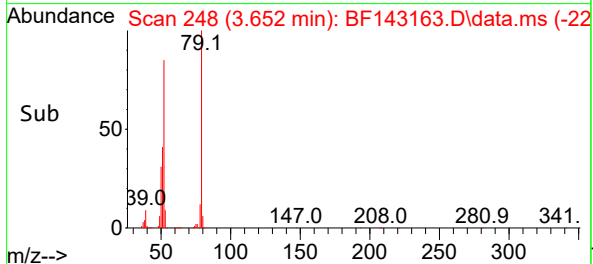
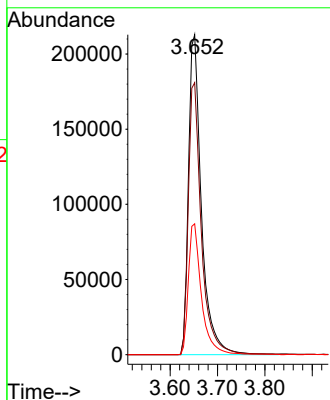
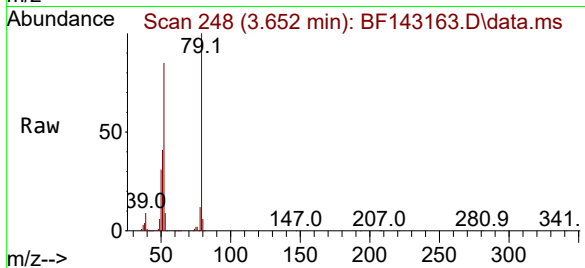




#3
Pyridine
Concen: 38.854 ng
RT: 3.652 min Scan# 24
Delta R.T. 0.065 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

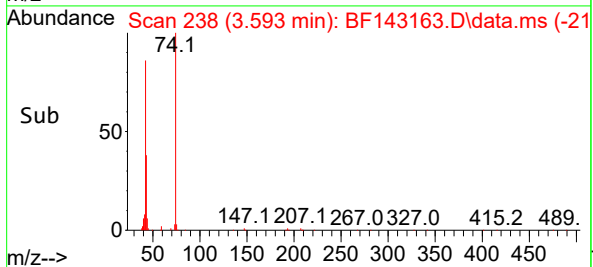
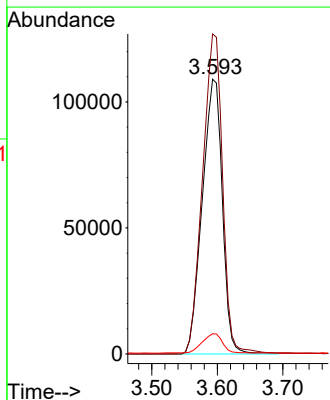
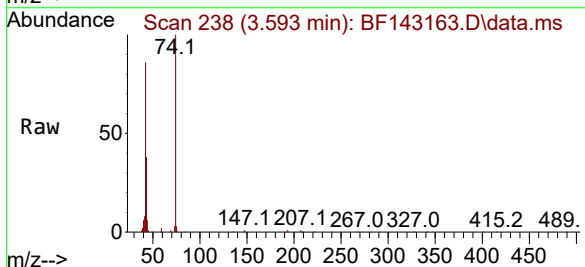
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

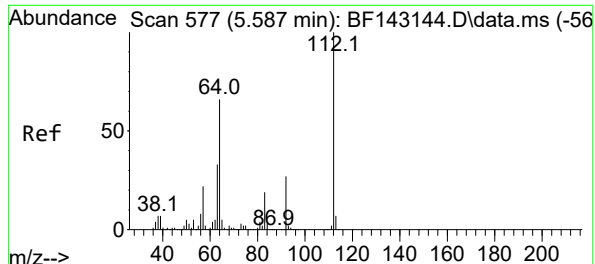
Tgt Ion: 79 Resp: 404777
Ion Ratio Lower Upper
79 100
52 85.0 69.4 104.2
51 40.9 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 43.218 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.059 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion: 42 Resp: 232460
Ion Ratio Lower Upper
42 100
74 116.5 91.7 137.5
44 7.4 5.6 8.4

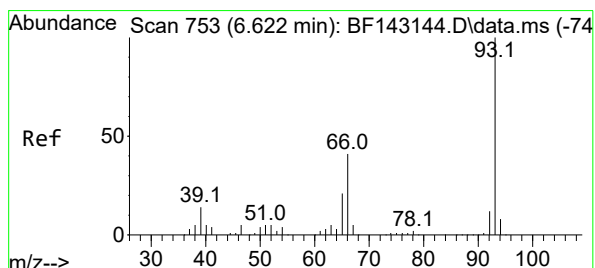
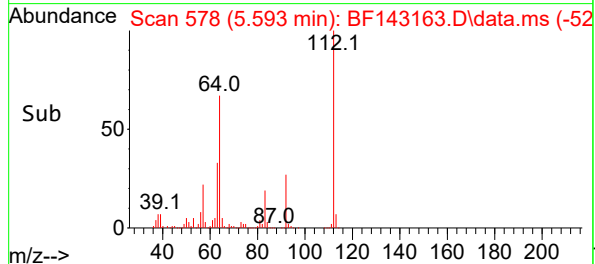
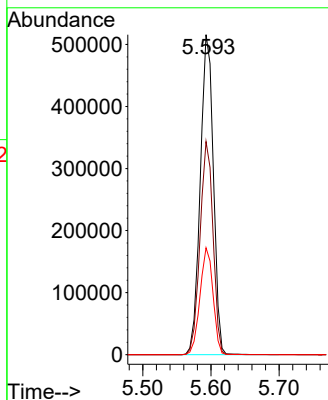
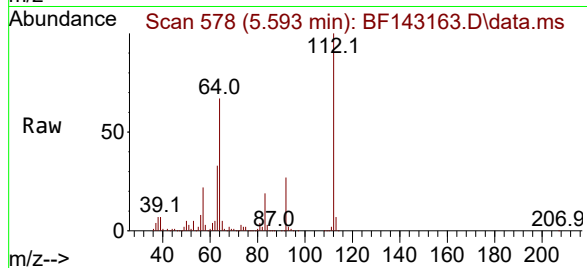




#5
2-Fluorophenol
Concen: 81.264 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

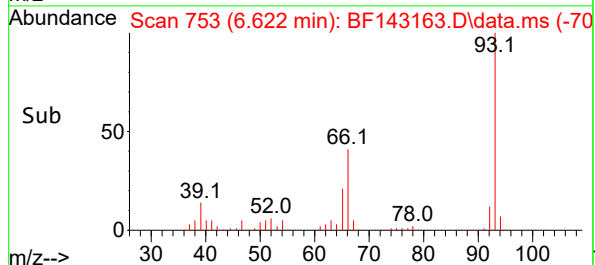
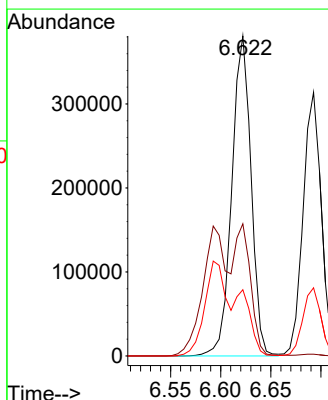
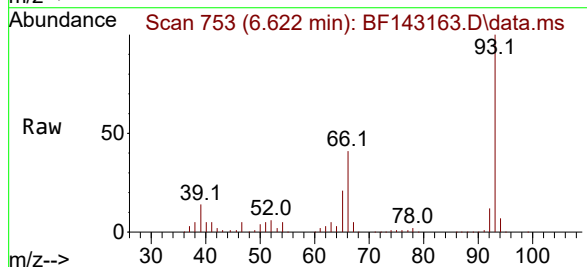
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

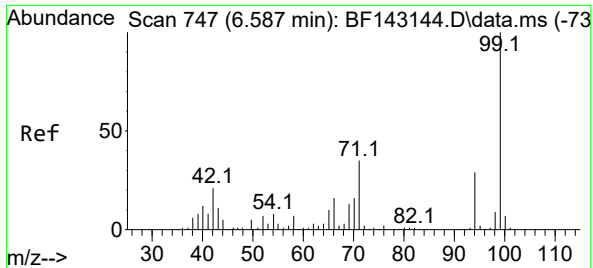
Tgt Ion:112 Resp: 689324
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.4 26.6 40.0



#6
Aniline
Concen: 34.226 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion: 93 Resp: 509293
Ion Ratio Lower Upper
93 100
66 41.3 33.2 49.8
65 20.7 16.9 25.3

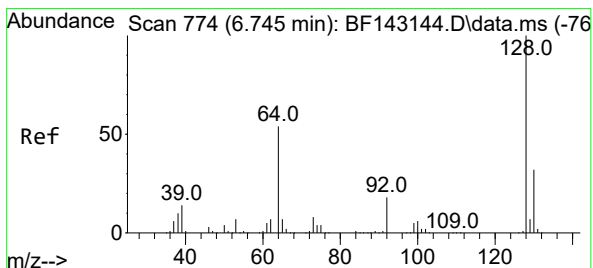
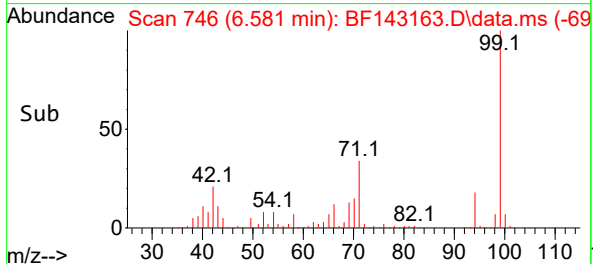
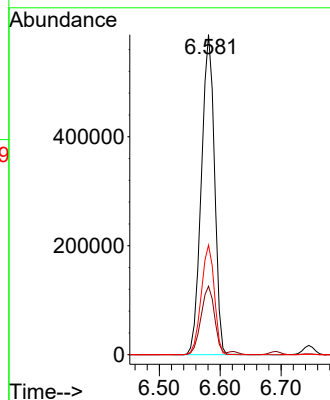
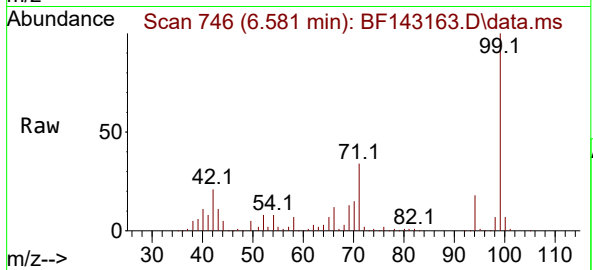




#7
Phenol-d6
Concen: 82.220 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

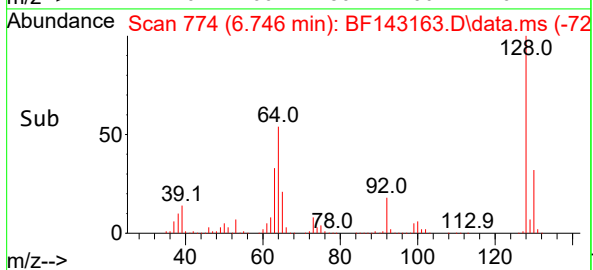
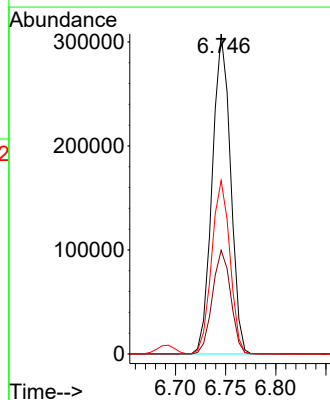
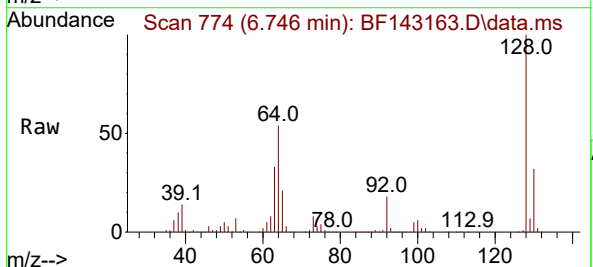
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

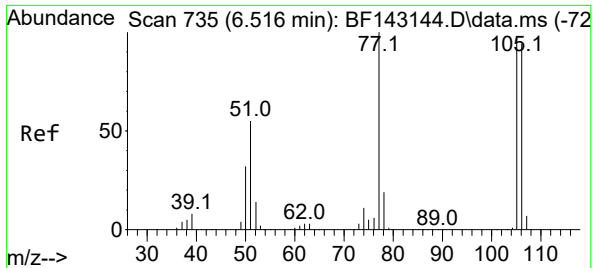
Tgt Ion: 99 Resp: 877854
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 34.2 27.7 41.5



#8
2-Chlorophenol
Concen: 44.001 ng
RT: 6.746 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion: 128 Resp: 391235
Ion Ratio Lower Upper
128 100
130 32.4 12.3 52.3
64 54.2 35.9 75.9





#9

Benzaldehyde

Concen: 34.866 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

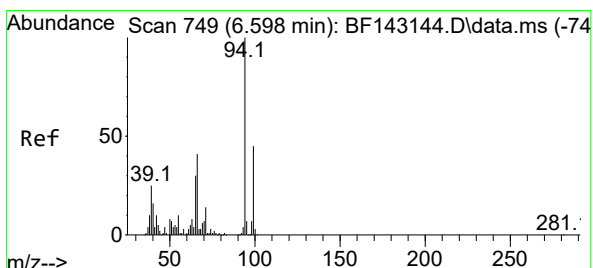
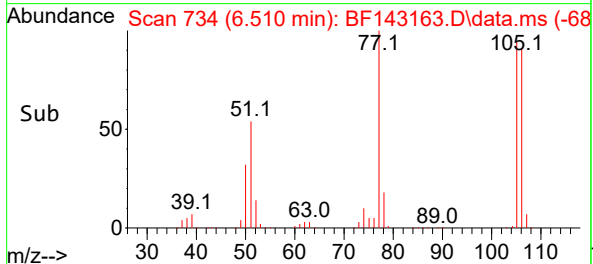
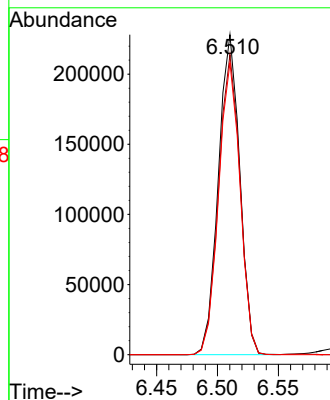
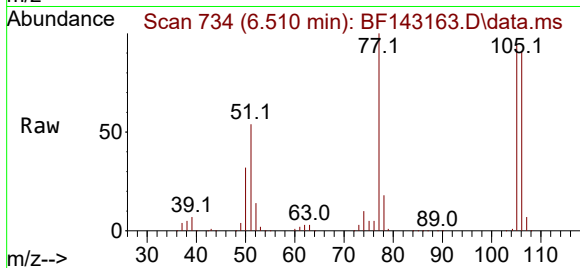
Tgt Ion: 77 Resp: 279137

Ion Ratio Lower Upper

77 100

105 93.8 76.8 116.8

106 91.2 74.4 114.4



#10

Phenol

Concen: 43.636 ng m

RT: 6.593 min Scan# 748

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

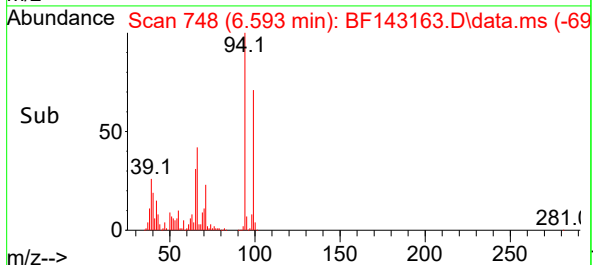
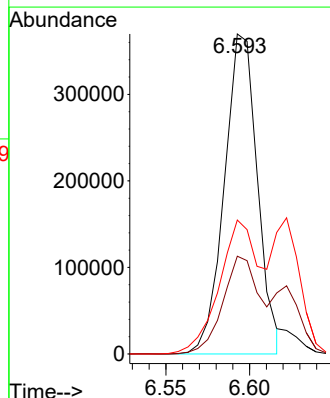
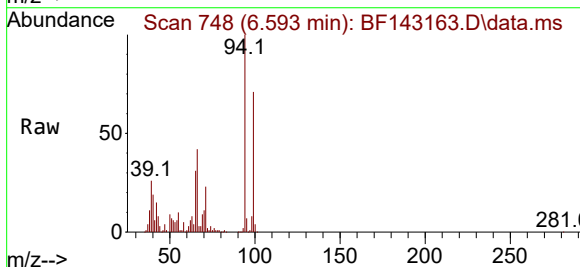
Tgt Ion: 94 Resp: 507550

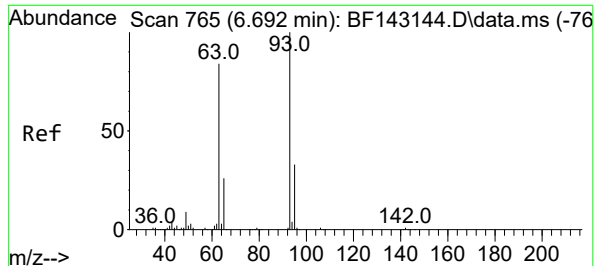
Ion Ratio Lower Upper

94 100

65 30.5 10.0 50.0

66 41.8 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 43.795 ng

RT: 6.693 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

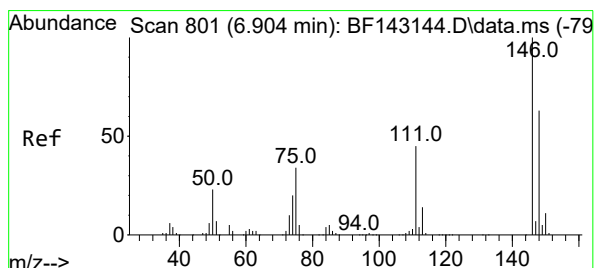
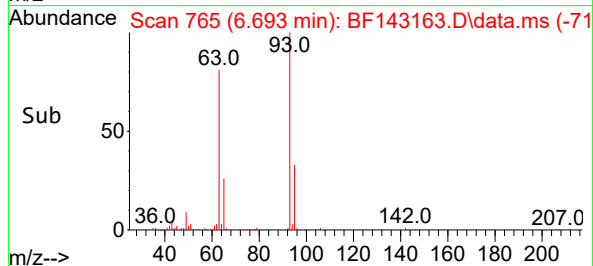
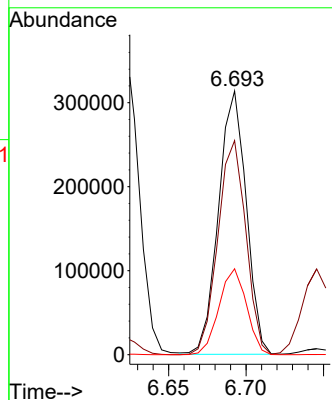
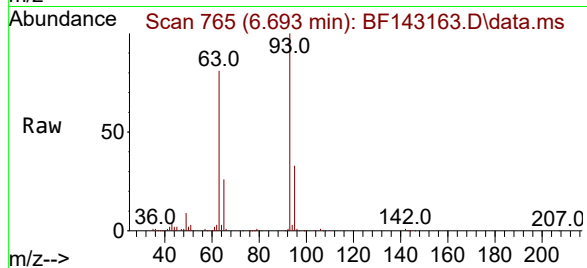
Tgt Ion: 93 Resp: 390023

Ion Ratio Lower Upper

93 100

63 81.2 63.4 103.4

95 32.6 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 42.023 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

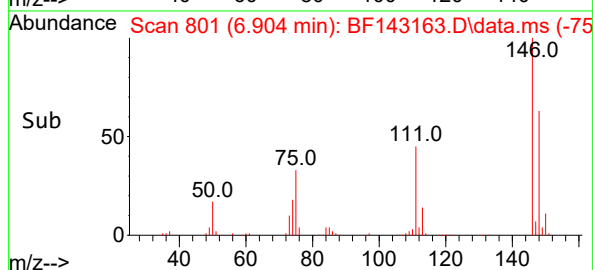
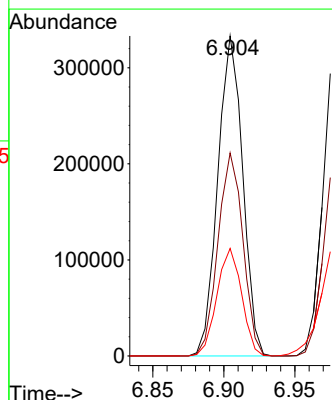
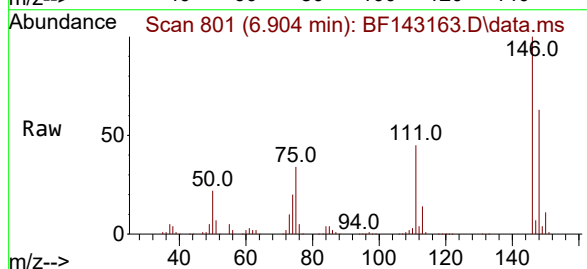
Tgt Ion:146 Resp: 405894

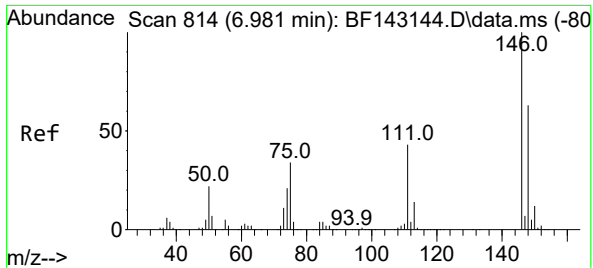
Ion Ratio Lower Upper

146 100

148 63.4 50.6 76.0

75 33.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 42.430 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

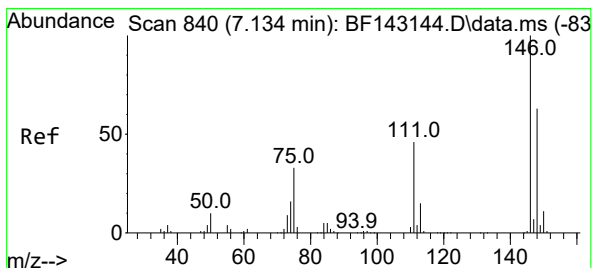
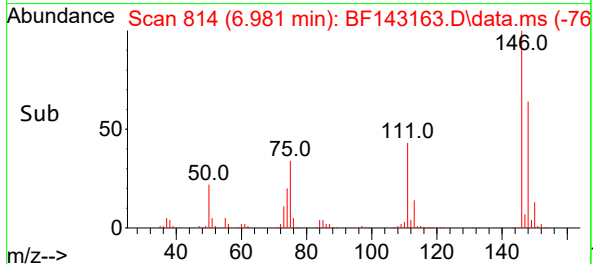
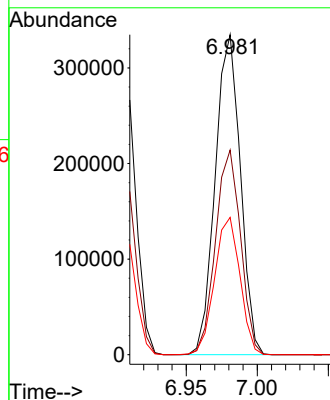
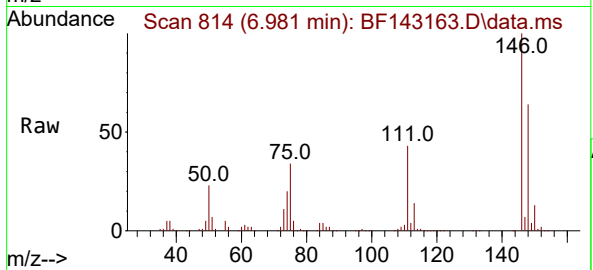
Tgt Ion:146 Resp: 412718

Ion Ratio Lower Upper

146 100

148 63.9 50.3 75.5

111 42.9 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 43.146 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

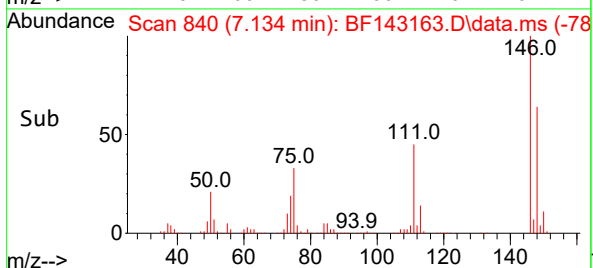
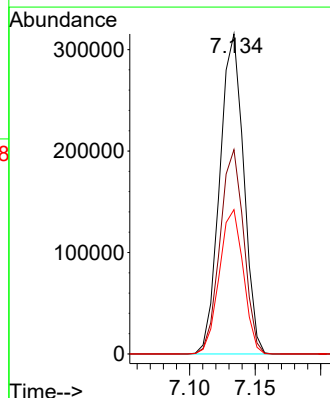
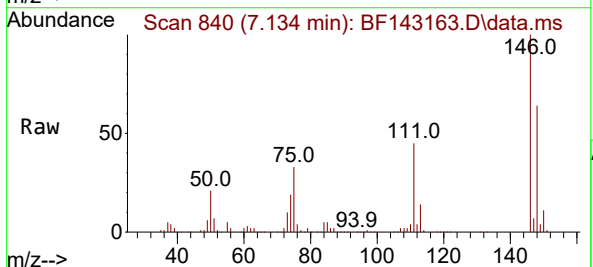
Tgt Ion:146 Resp: 399171

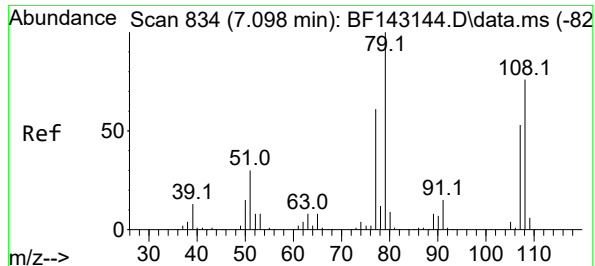
Ion Ratio Lower Upper

146 100

148 63.9 50.7 76.1

111 45.1 36.6 54.8





#15

Benzyl Alcohol

Concen: 43.987 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

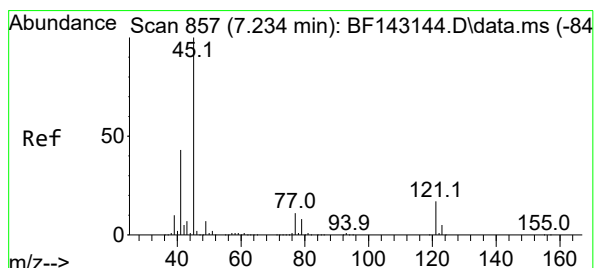
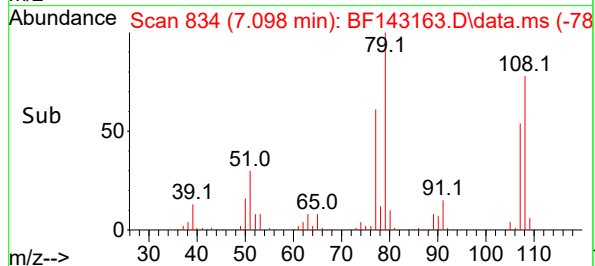
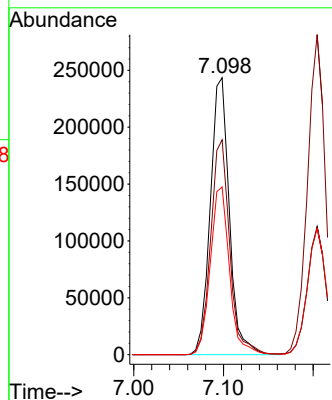
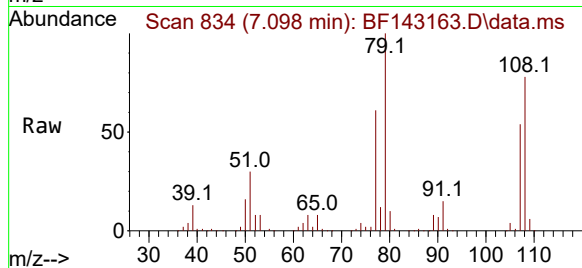
Tgt Ion: 79 Resp: 358599

Ion Ratio Lower Upper

79 100

108 77.6 61.1 91.7

77 60.5 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.834 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

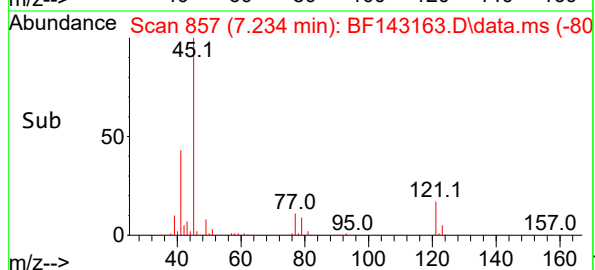
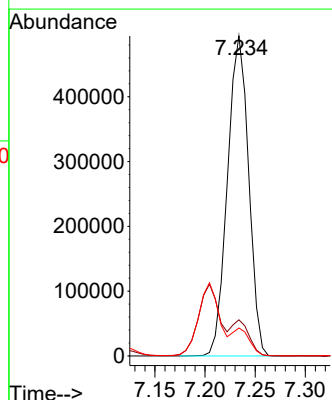
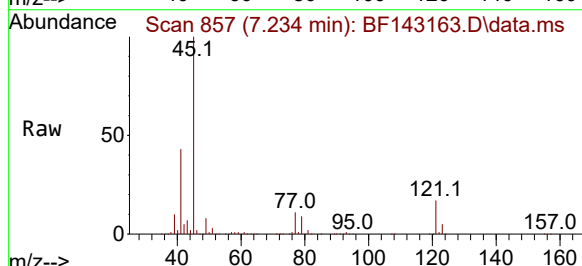
Tgt Ion: 45 Resp: 724154

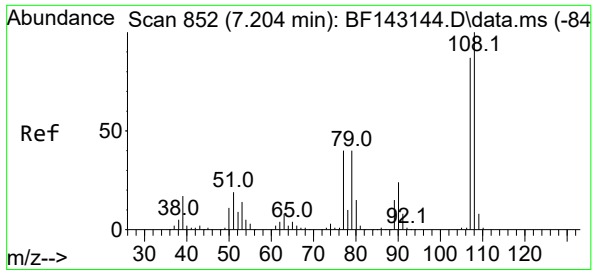
Ion Ratio Lower Upper

45 100

77 11.3 0.0 31.2

79 8.8 0.0 28.5

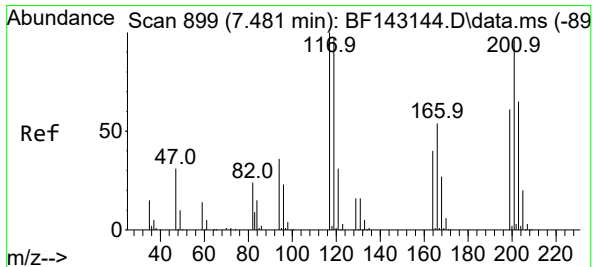
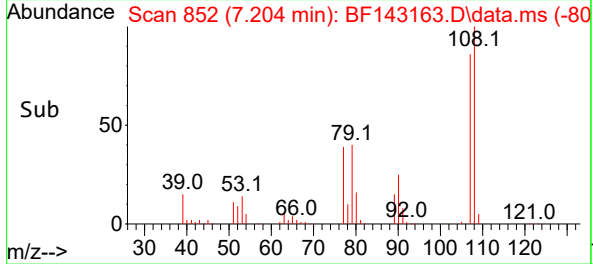
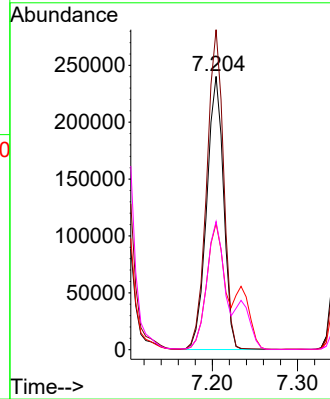
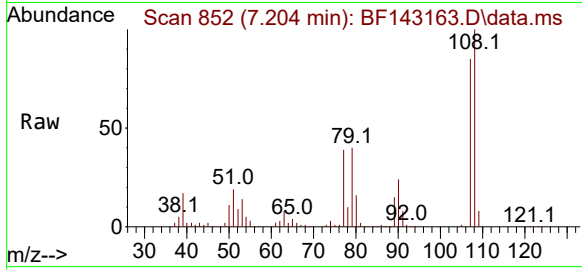




#17
2-Methylphenol
Concen: 44.059 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

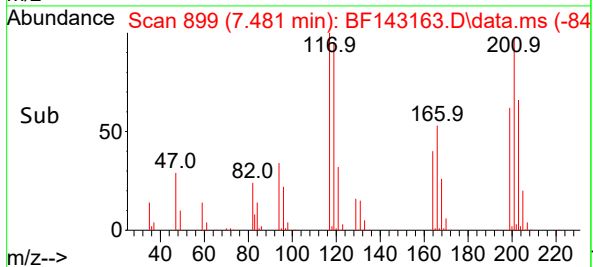
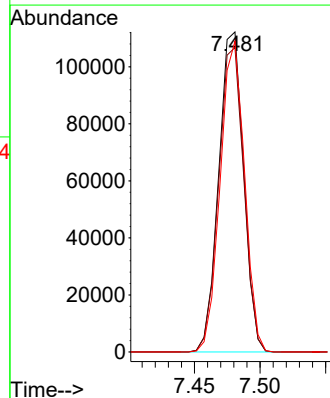
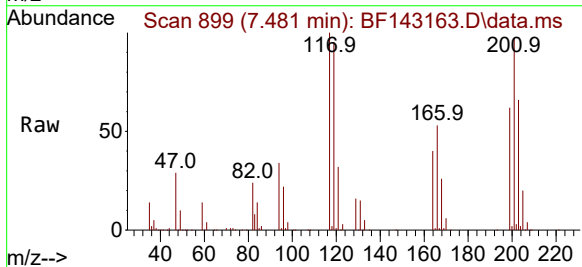
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

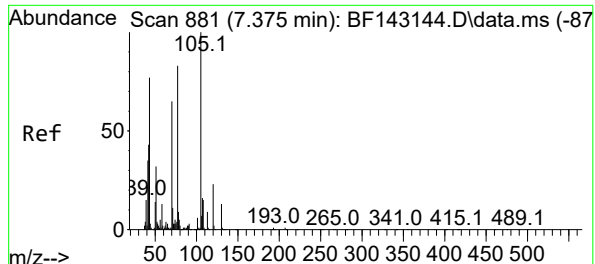
Tgt Ion:	107	Resp:	329392
Ion	Ratio	Lower	Upper
107	100		
108	117.1	91.8	137.6
77	46.2	37.0	55.6
79	46.9	36.9	55.3



#18
Hexachloroethane
Concen: 43.962 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:	117	Resp:	148035
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.8	116.8
201	97.1	77.0	115.4





#19

n-Nitroso-di-n-propylamine

Concen: 43.198 ng

RT: 7.369 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

Tgt Ion: 70 Resp: 295904

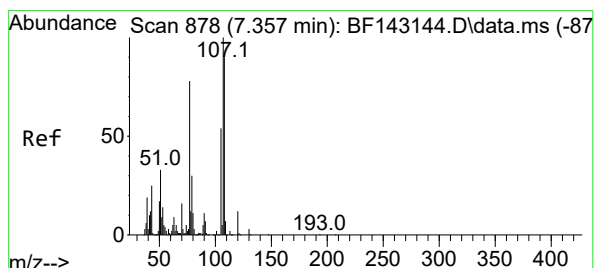
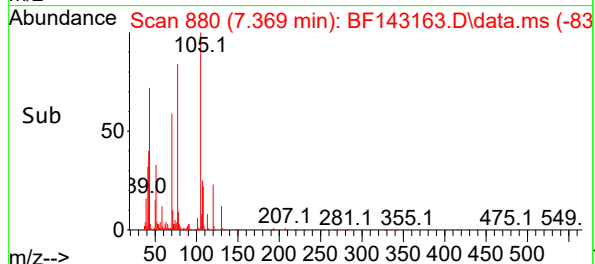
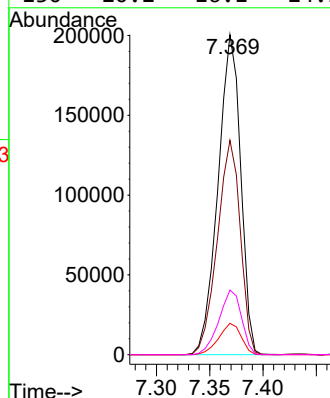
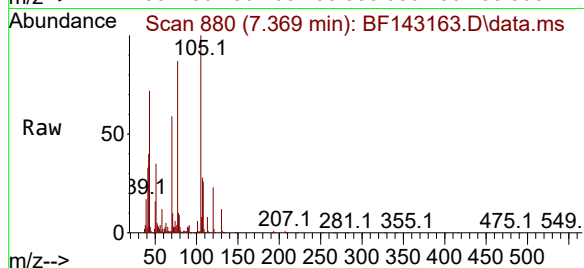
Ion Ratio Lower Upper

70 100

42 67.0 52.5 78.7

101 9.8 7.6 11.4

130 20.2 16.1 24.1



#20

3+4-Methylphenols

Concen: 45.033 ng

RT: 7.357 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Tgt Ion: 107 Resp: 408476

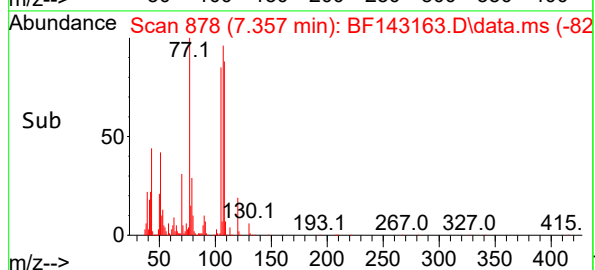
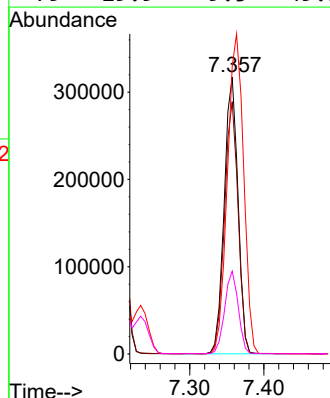
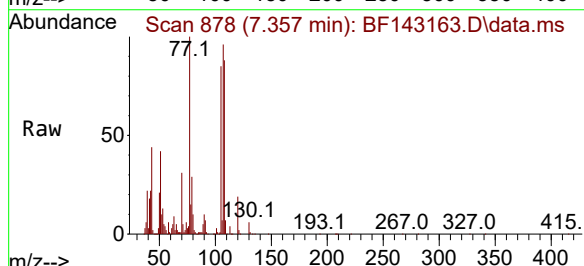
Ion Ratio Lower Upper

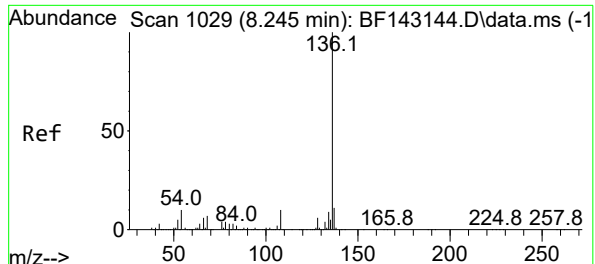
107 100

108 91.1 70.0 110.0

77 103.7 57.8 97.8#

79 29.9 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

Tgt Ion:136 Resp: 524933

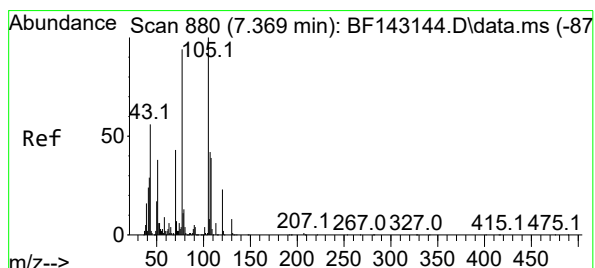
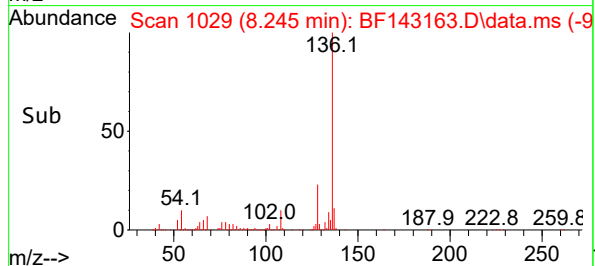
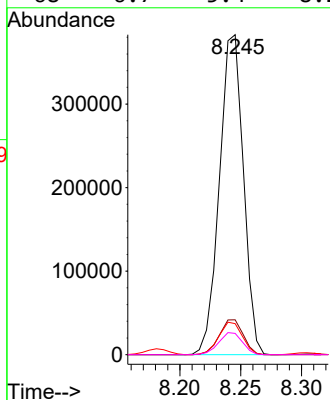
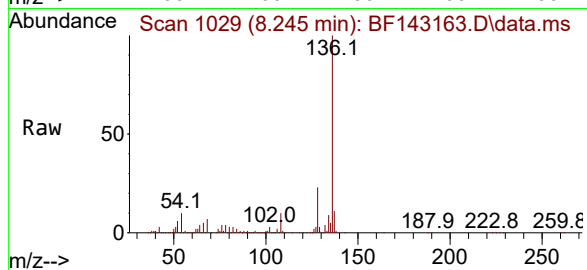
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.7 8.2 12.2

68 6.7 5.4 8.2



#22

Acetophenone

Concen: 43.054 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Tgt Ion:105 Resp: 535066

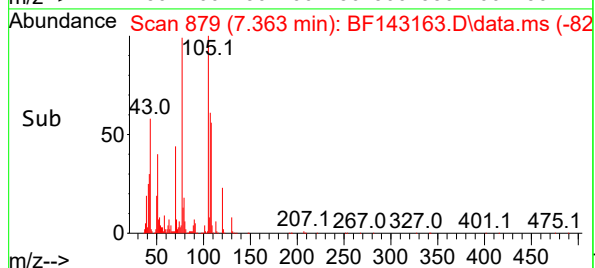
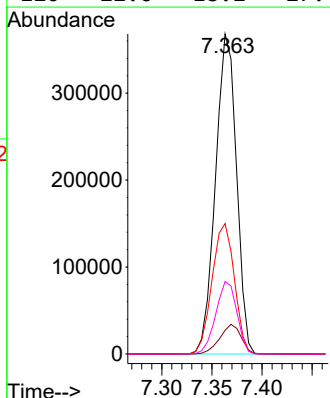
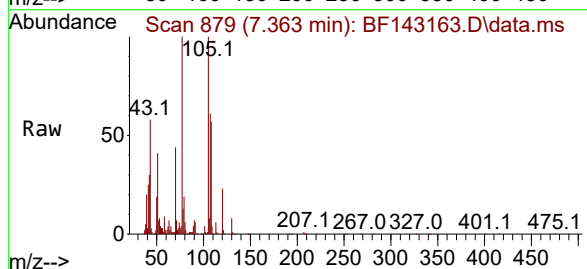
Ion Ratio Lower Upper

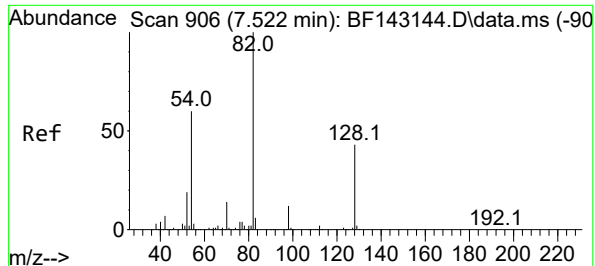
105 100

71 7.4 5.8 8.6

51 40.7 30.2 45.2

120 22.6 18.2 27.4





#23

Nitrobenzene-d5

Concen: 80.681 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

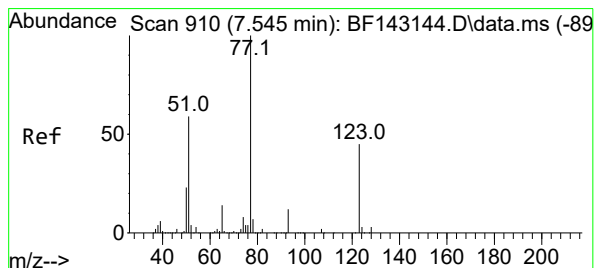
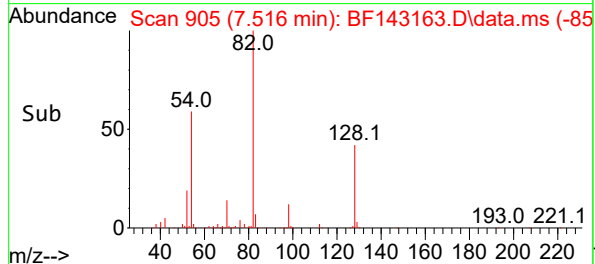
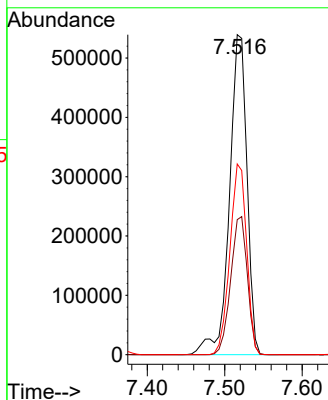
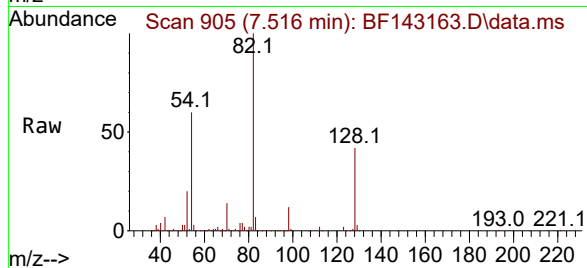
Tgt Ion: 82 Resp: 849641

Ion Ratio Lower Upper

82 100

128 42.2 33.6 50.4

54 59.6 47.1 70.7



#24

Nitrobenzene

Concen: 44.491 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

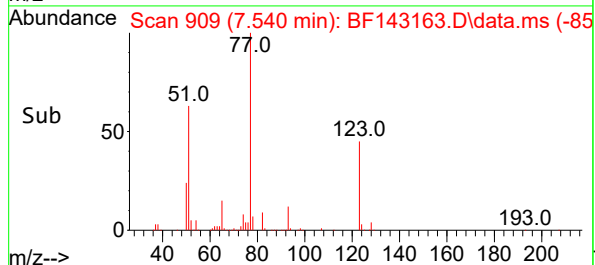
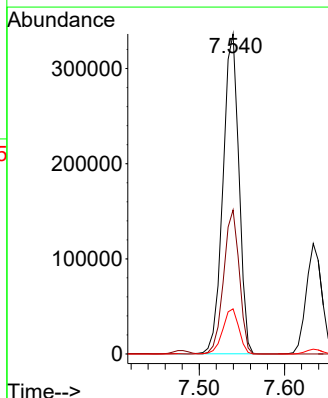
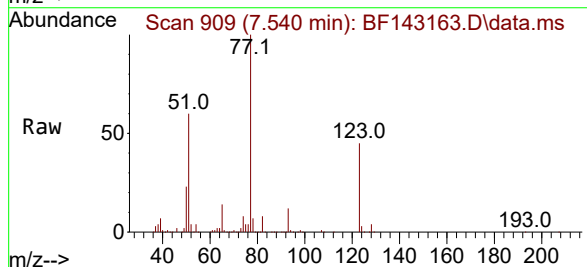
Tgt Ion: 77 Resp: 436819

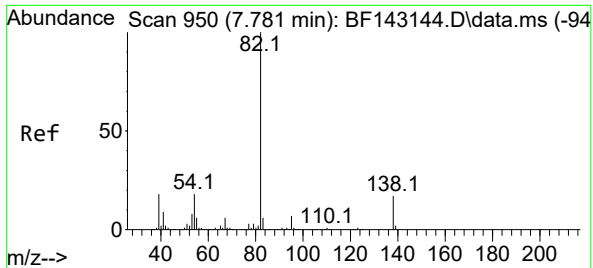
Ion Ratio Lower Upper

77 100

123 45.0 36.1 54.1

65 14.1 11.4 17.2

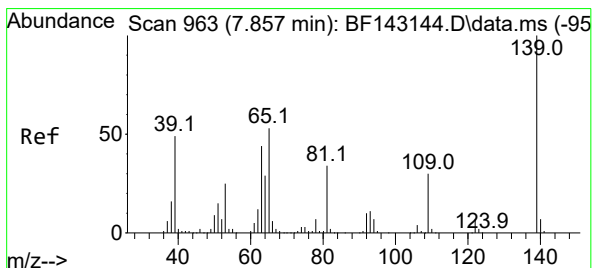
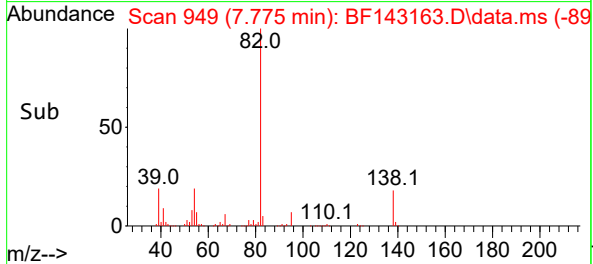
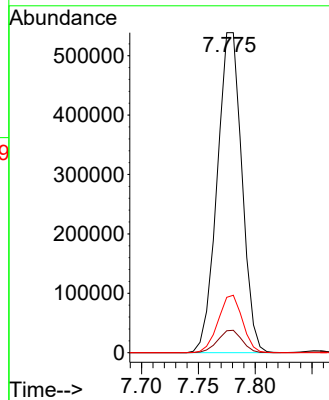
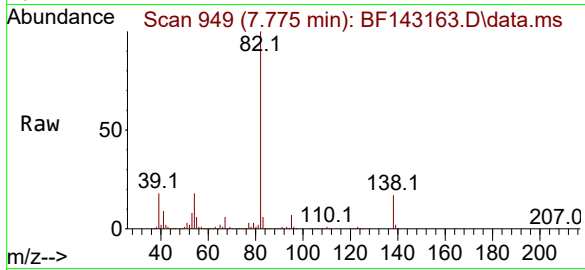




#25
Isophorone
Concen: 43.950 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

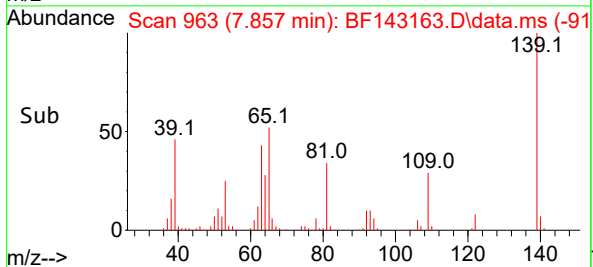
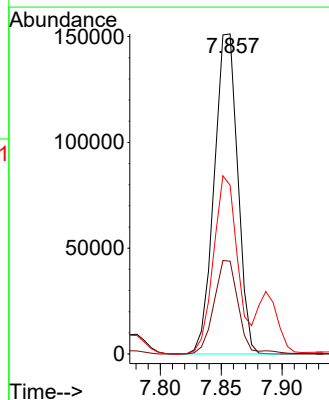
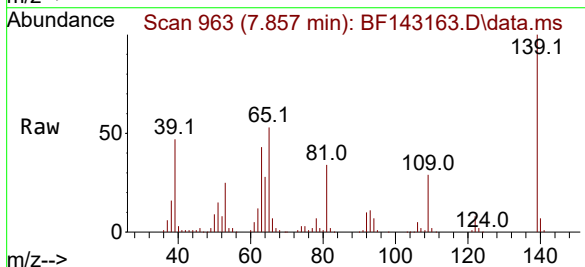
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

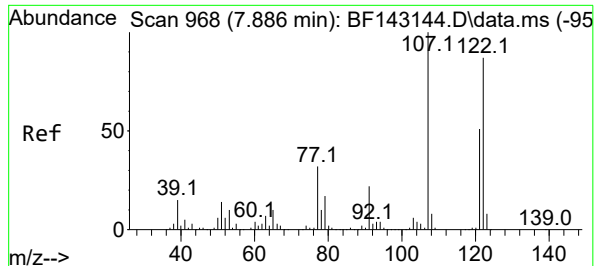
Tgt Ion: 82 Resp: 817053
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.3 13.8 20.8



#26
2-Nitrophenol
Concen: 47.719 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:139 Resp: 203332
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 52.7 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 44.356 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

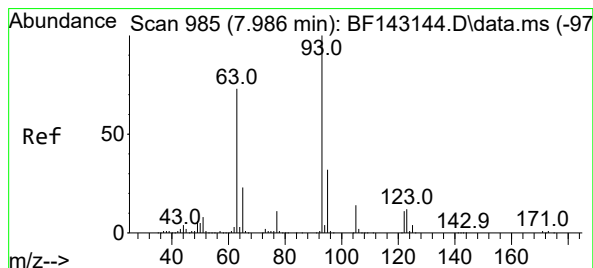
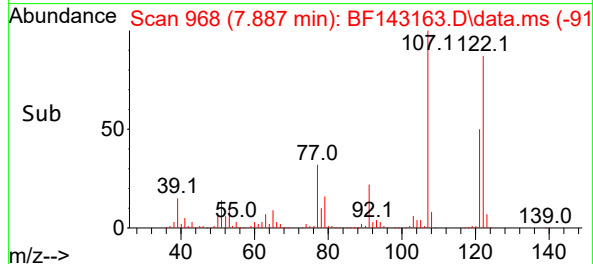
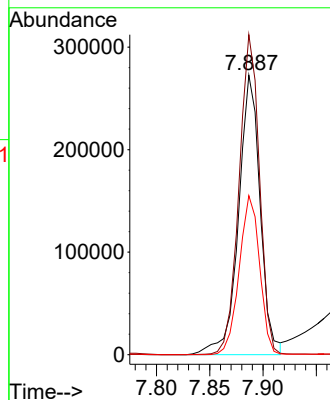
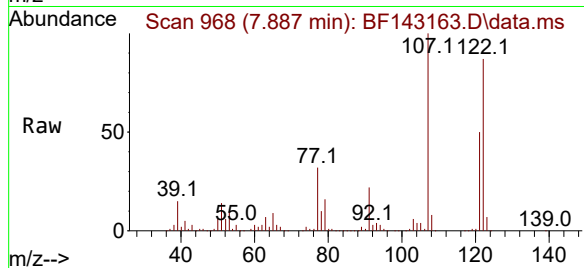
Tgt Ion:122 Resp: 385257

Ion Ratio Lower Upper

122 100

107 114.5 91.8 137.6

121 56.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.786 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

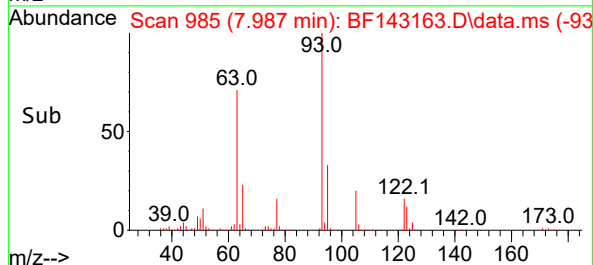
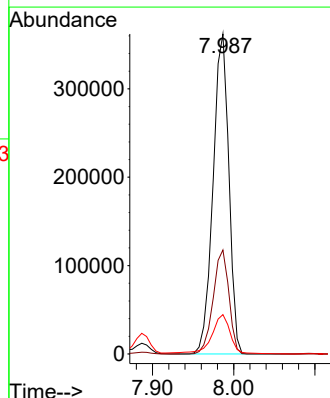
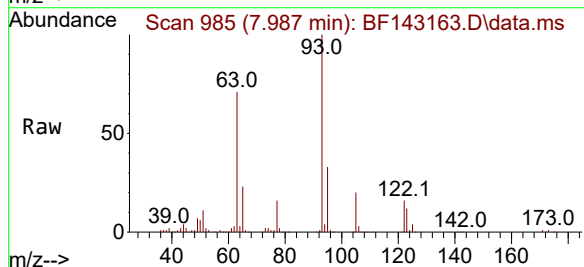
Tgt Ion: 93 Resp: 488053

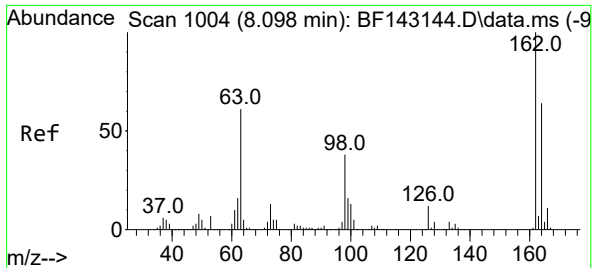
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.6

123 12.3 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 44.175 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

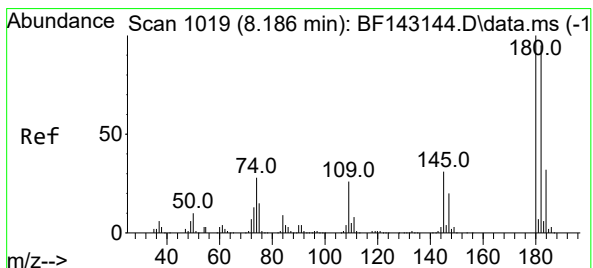
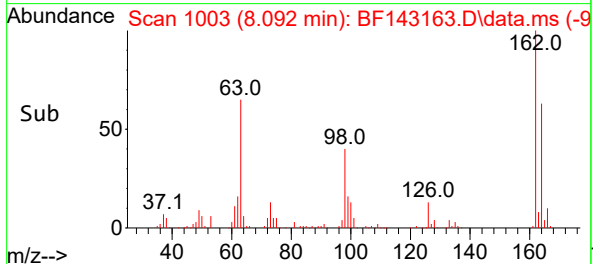
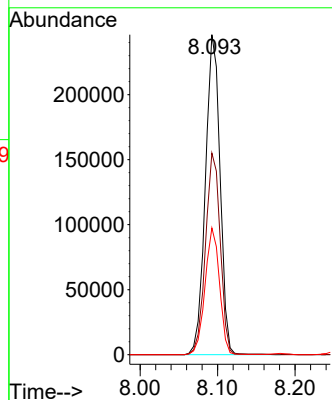
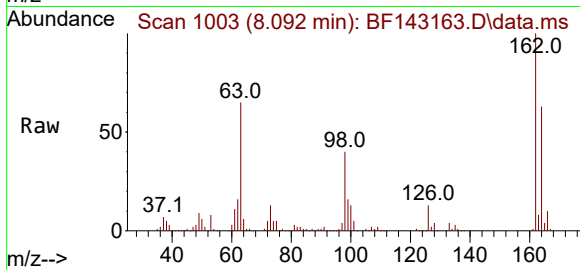
Tgt Ion:162 Resp: 323576

Ion Ratio Lower Upper

162 100

164 63.0 44.2 84.2

98 39.6 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 42.472 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

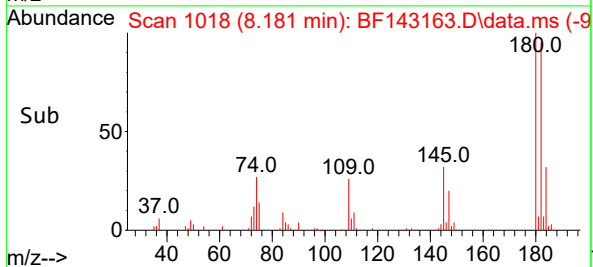
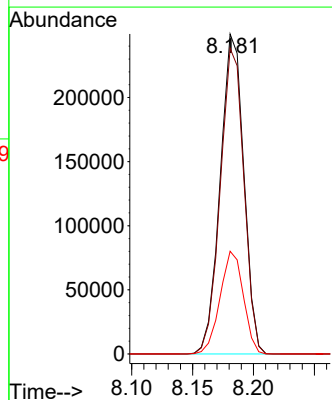
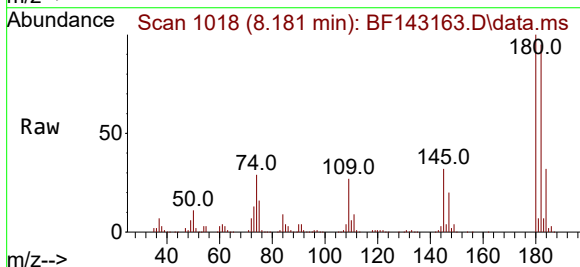
Tgt Ion:180 Resp: 336097

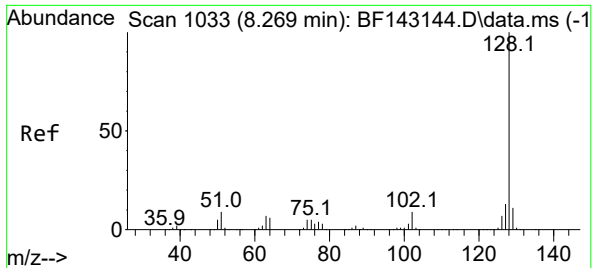
Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 32.1 25.0 37.6

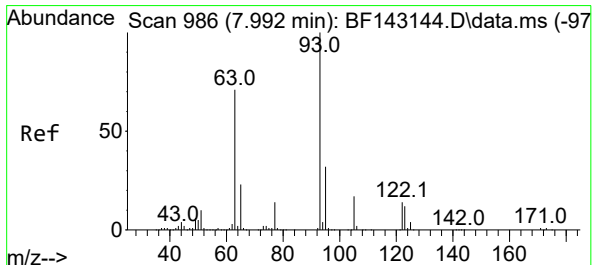
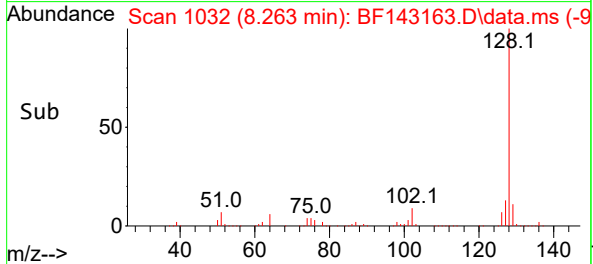
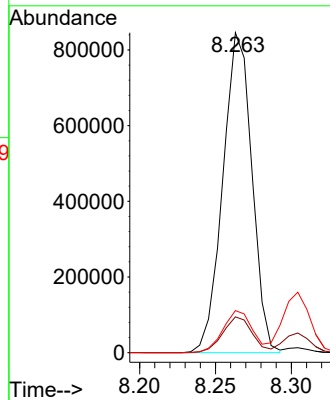
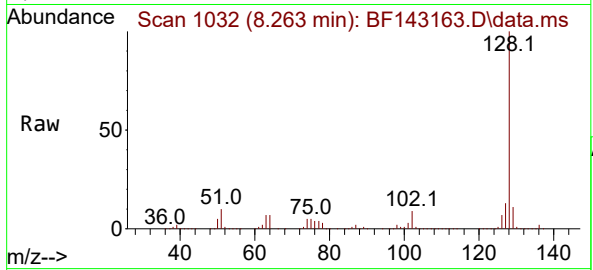




#31
Naphthalene
Concen: 43.617 ng m
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

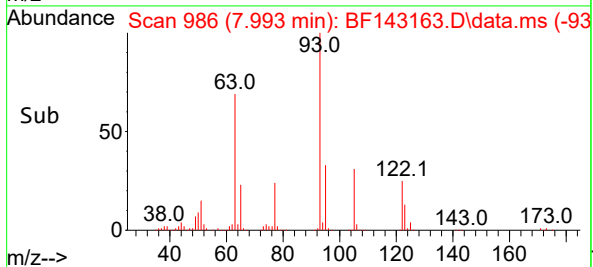
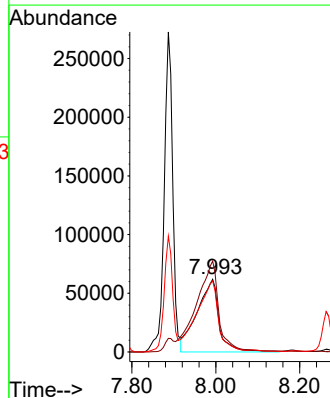
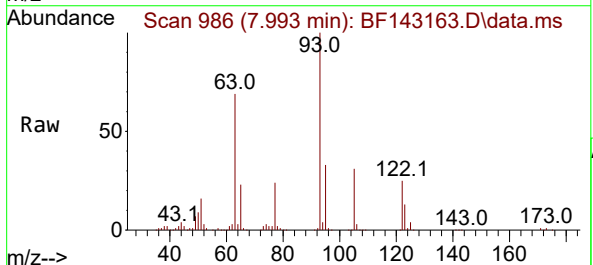
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

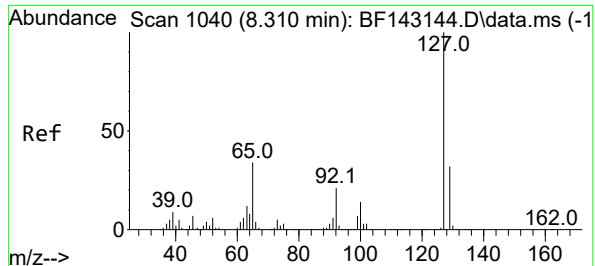
Tgt Ion:128 Resp: 1127603
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 46.723 ng m
RT: 7.993 min Scan# 986
Delta R.T. 0.001 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:122 Resp: 227846
Ion Ratio Lower Upper
122 100
105 125.0 104.8 144.8
77 97.7 77.6 117.6





#33

4-Chloroaniline

Concen: 19.464 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

Tgt Ion:127 Resp: 205458

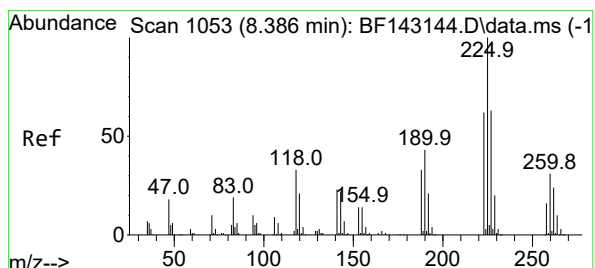
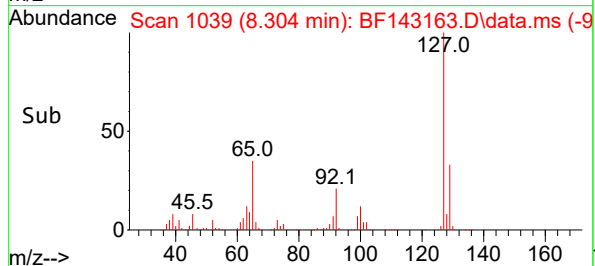
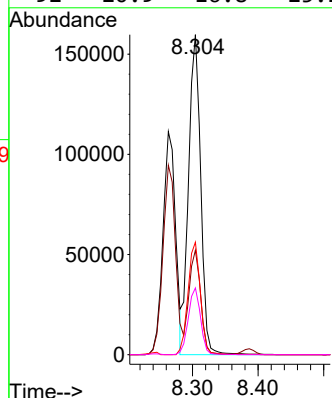
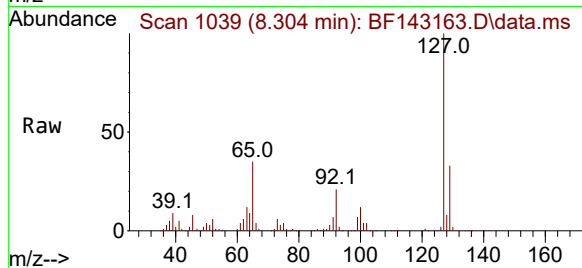
Ion Ratio Lower Upper

127 100

129 32.6 26.0 39.0

65 35.2 27.4 41.2

92 20.9 16.8 25.2



#34

Hexachlorobutadiene

Concen: 43.596 ng

RT: 8.387 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

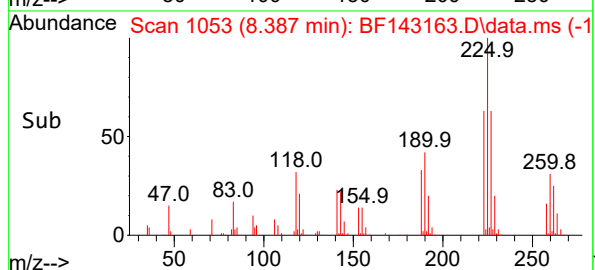
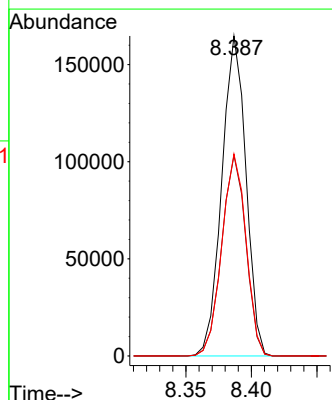
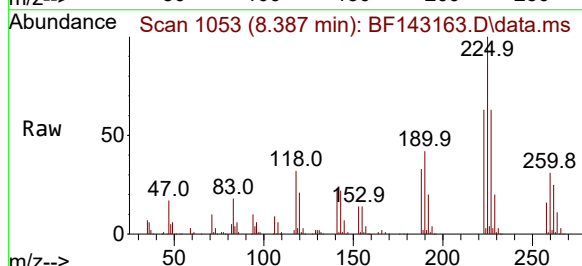
Tgt Ion:225 Resp: 210749

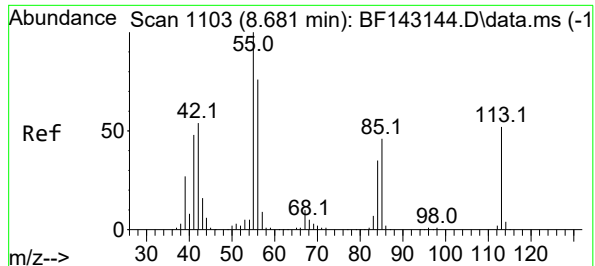
Ion Ratio Lower Upper

225 100

223 62.7 49.8 74.6

227 63.1 50.2 75.4





#35

Caprolactam

Concen: 48.340 ng m

RT: 8.669 min Scan# 1101

Delta R.T. -0.012 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

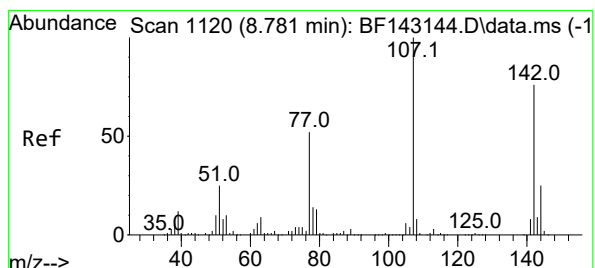
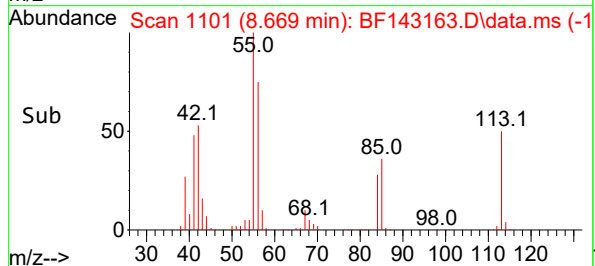
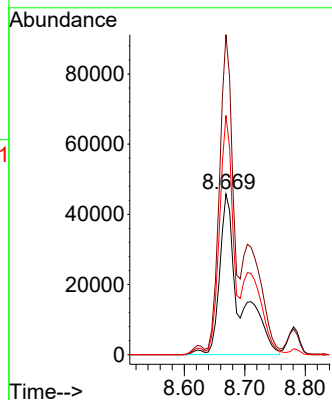
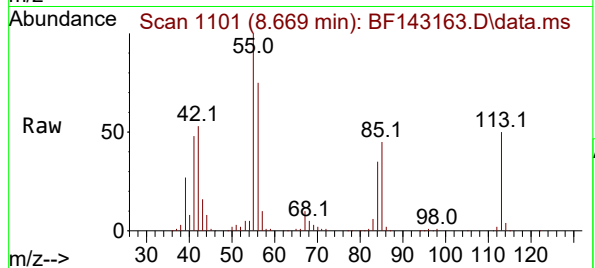
Tgt Ion:113 Resp: 106998

Ion Ratio Lower Upper

113 100

55 199.3 174.0 214.0

56 149.0 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 45.026 ng

RT: 8.781 min Scan# 1120

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

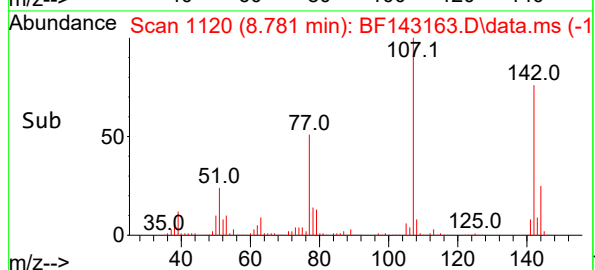
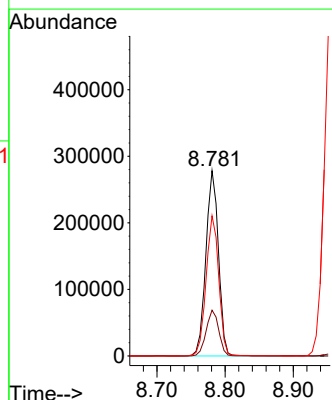
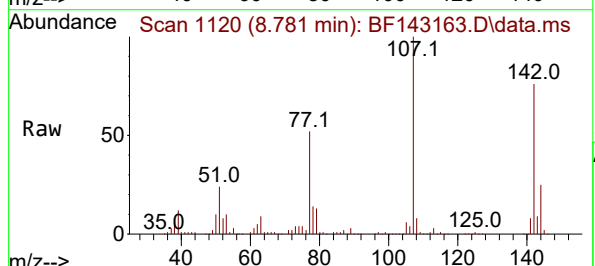
Tgt Ion:107 Resp: 358475

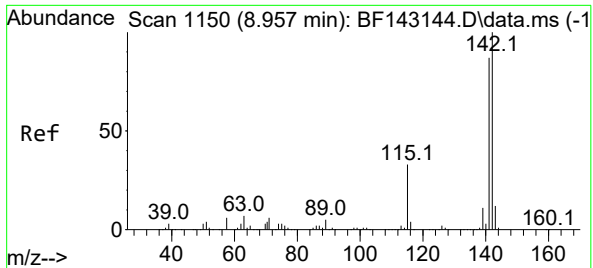
Ion Ratio Lower Upper

107 100

144 24.7 19.8 29.6

142 75.7 60.6 90.8

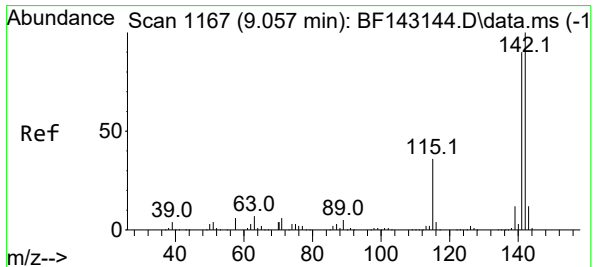
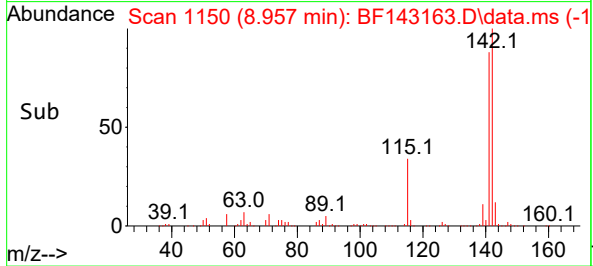
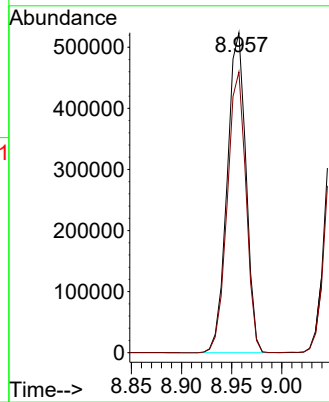
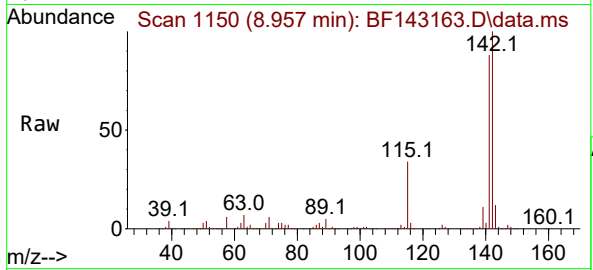




#37
2-Methylnaphthalene
Concen: 43.373 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

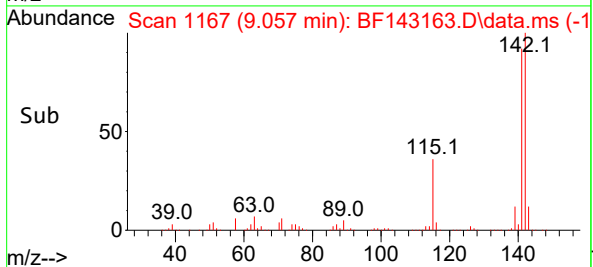
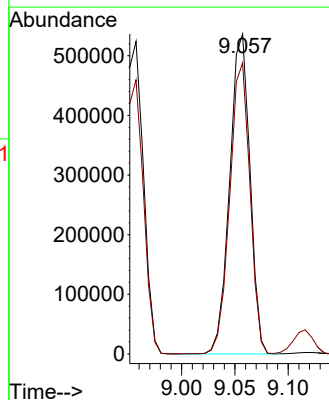
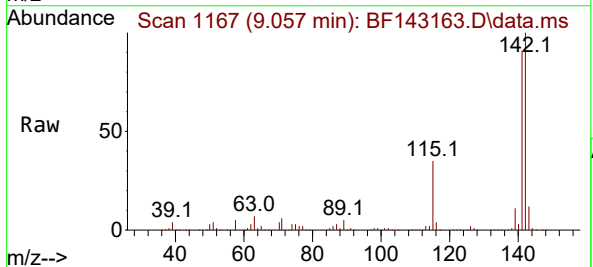
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

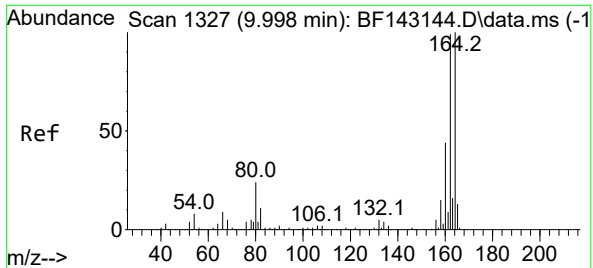
Tgt Ion:142 Resp: 682326
Ion Ratio Lower Upper
142 100
141 87.7 69.9 104.9



#38
1-Methylnaphthalene
Concen: 43.926 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:142 Resp: 711574
Ion Ratio Lower Upper
142 100
141 90.9 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143163.D

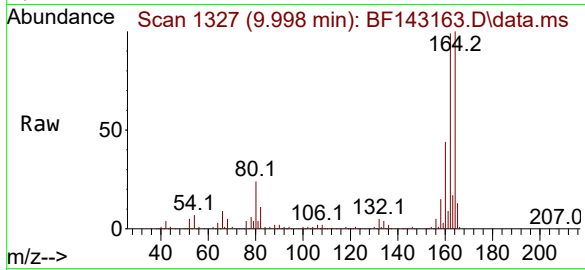
Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

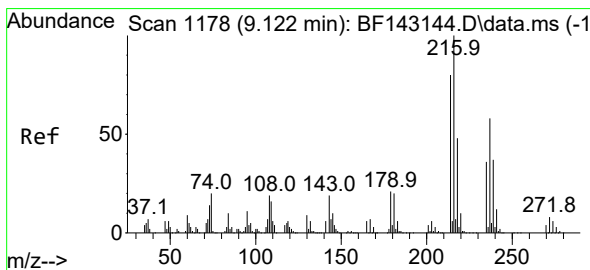
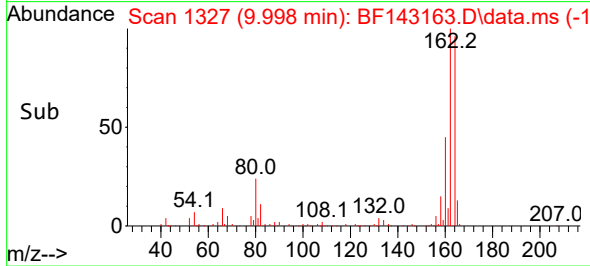
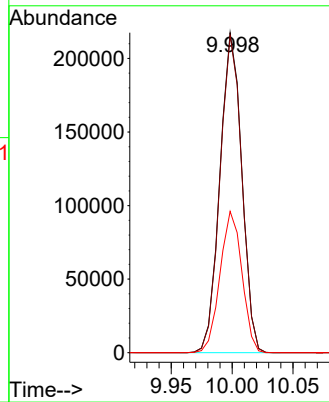
ClientSampleId :

PB168904BSD



Tgt Ion:164 Resp: 272308

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.2	35.1	52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.189 ng

RT: 9.122 min Scan# 1178

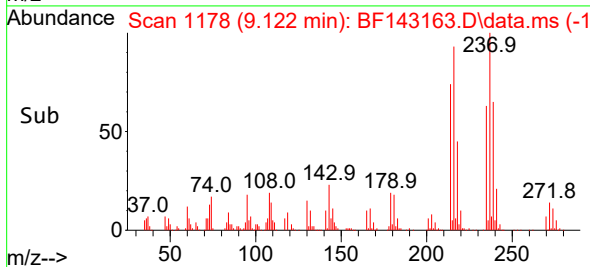
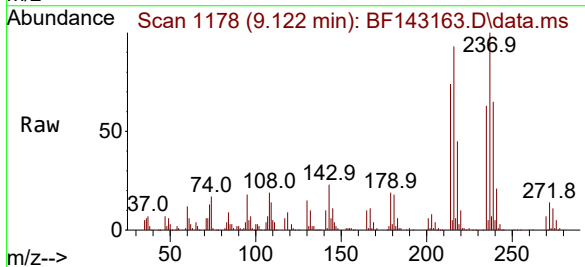
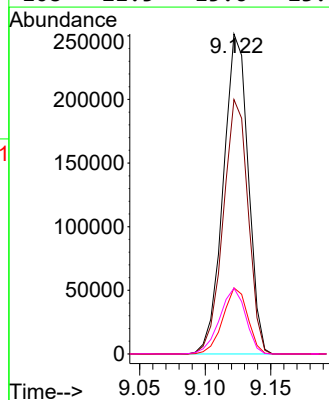
Delta R.T. 0.000 min

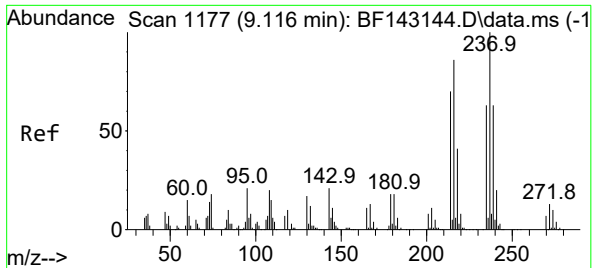
Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Tgt Ion:216 Resp: 331686

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.8
179	20.5	16.4	24.6
108	21.5	15.6	23.4

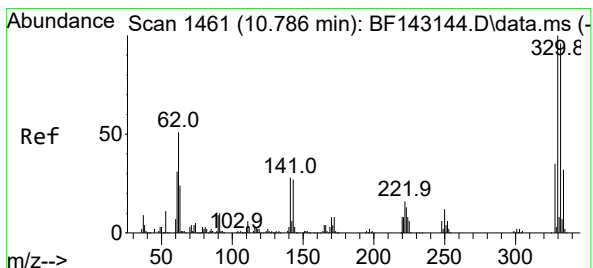
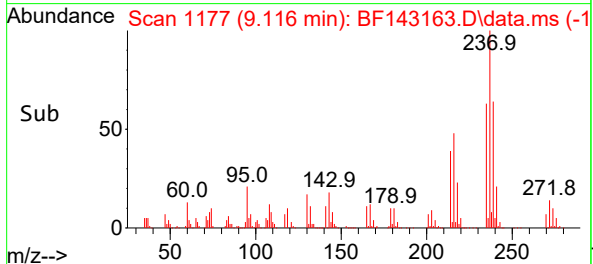
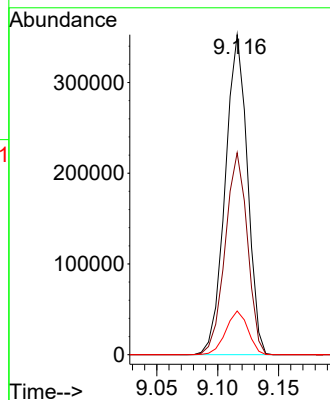
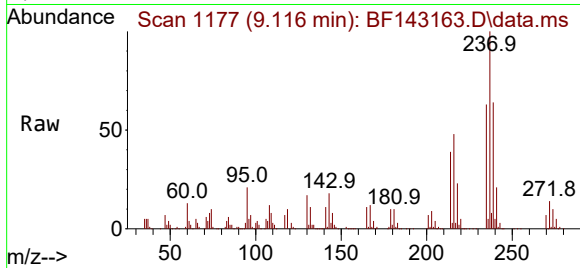




#41
Hexachlorocyclopentadiene
Concen: 87.490 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

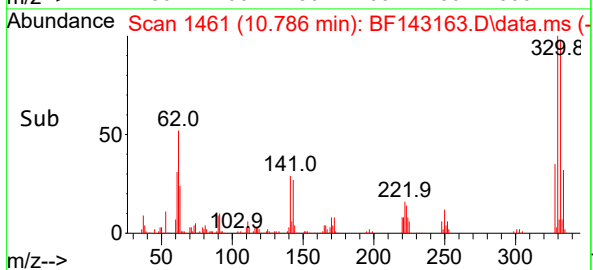
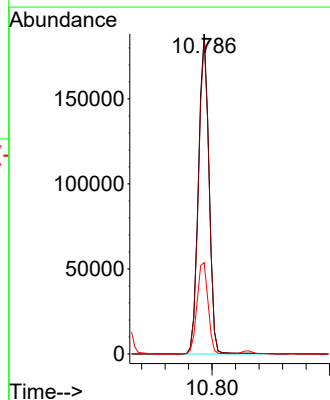
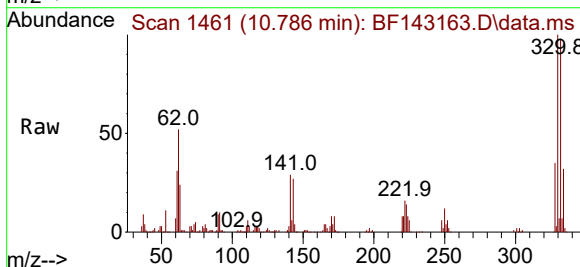
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

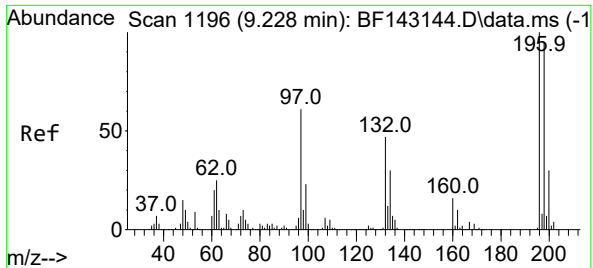
Tgt Ion:237 Resp: 447550
Ion Ratio Lower Upper
237 100
235 63.1 43.0 83.0
272 13.7 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 83.365 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:330 Resp: 234514
Ion Ratio Lower Upper
330 100
332 97.7 76.7 115.1
141 29.9 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 43.107 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

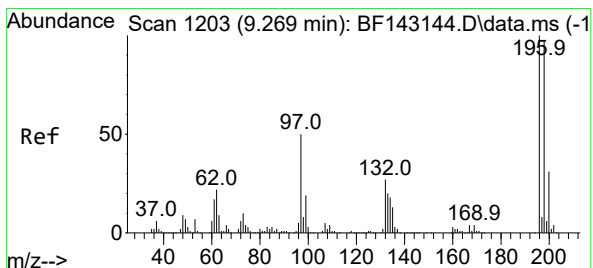
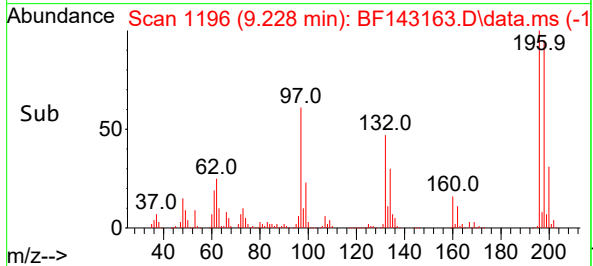
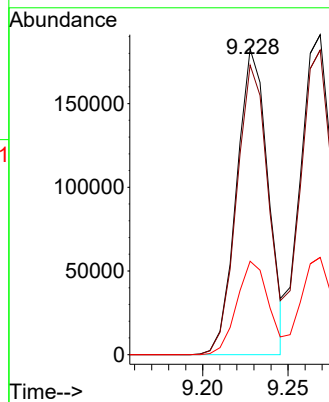
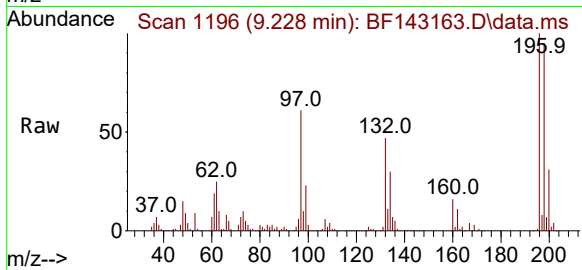
Tgt Ion:196 Resp: 234546

Ion Ratio Lower Upper

196 100

198 94.7 76.2 114.2

200 30.5 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 46.064 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Tgt Ion:196 Resp: 250713

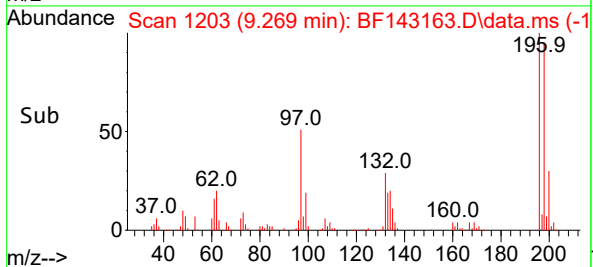
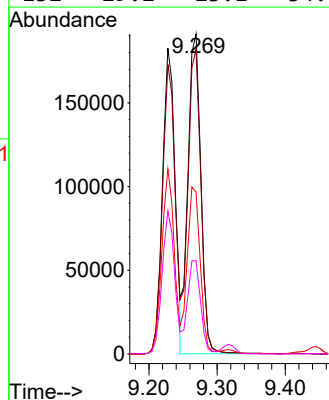
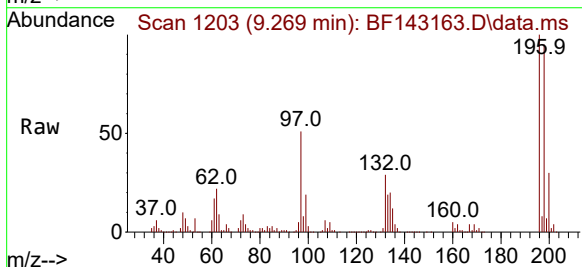
Ion Ratio Lower Upper

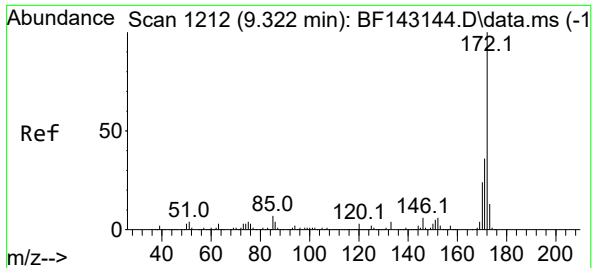
196 100

198 95.2 77.3 115.9

97 50.7 40.3 60.5

132 29.2 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.859 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

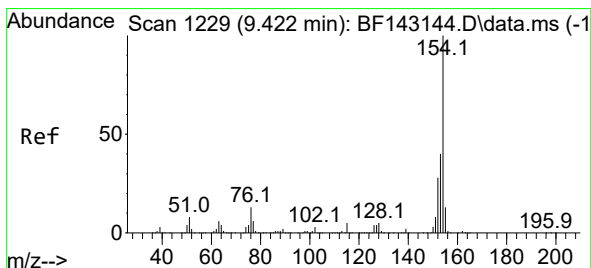
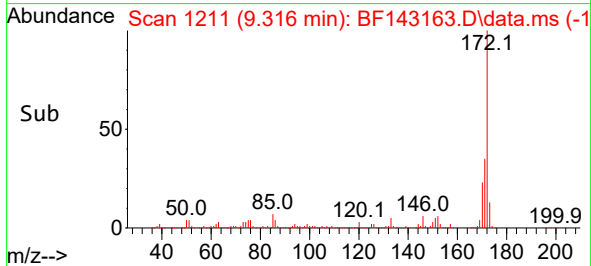
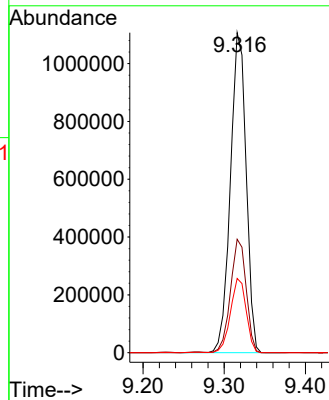
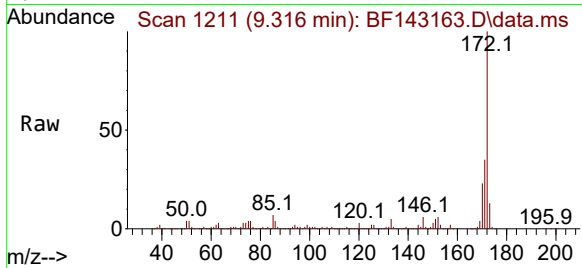
Tgt Ion:172 Resp: 1490518

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 43.600 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

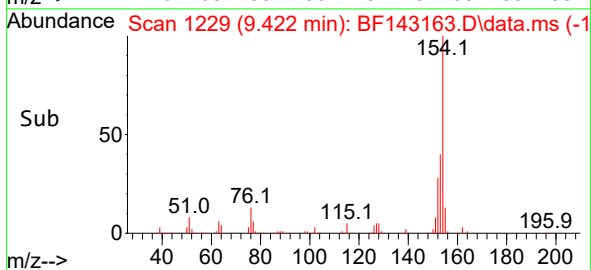
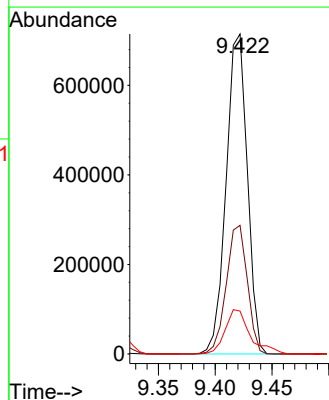
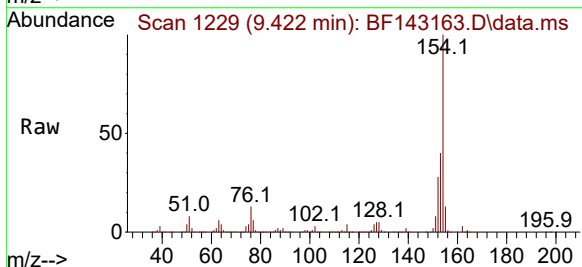
Tgt Ion:154 Resp: 926298

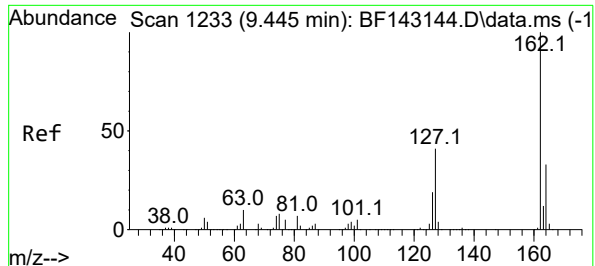
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.851 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

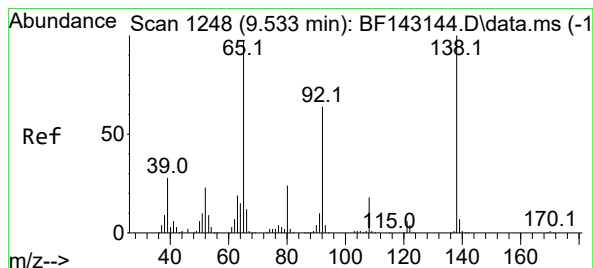
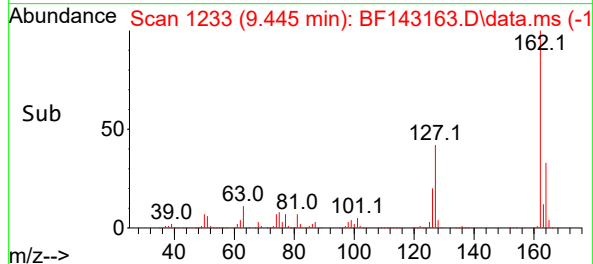
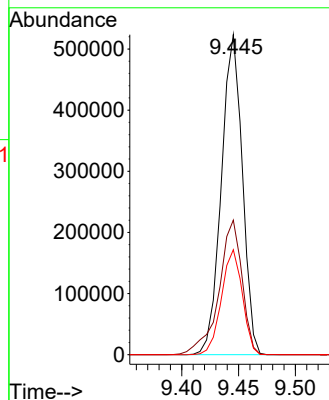
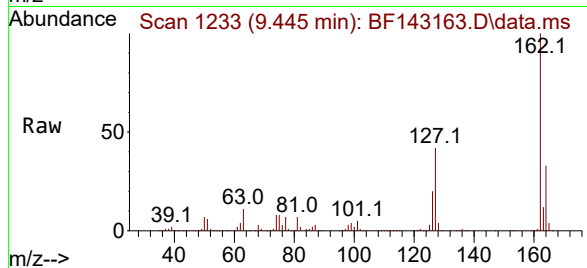
Tgt Ion:162 Resp: 673620

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 47.366 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

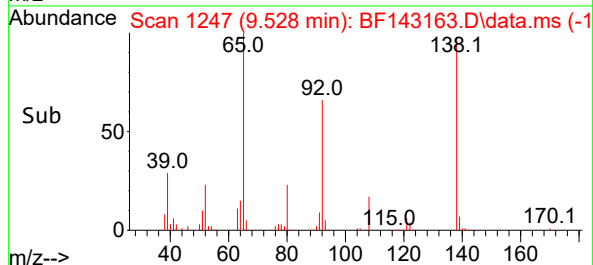
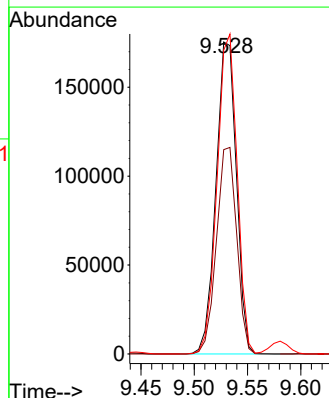
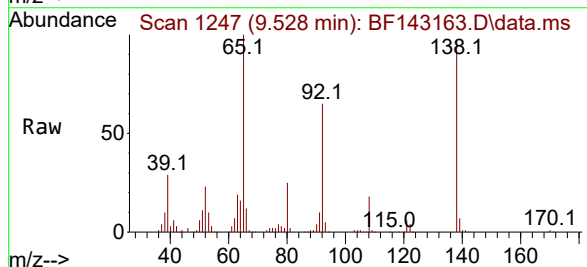
Tgt Ion: 65 Resp: 233503

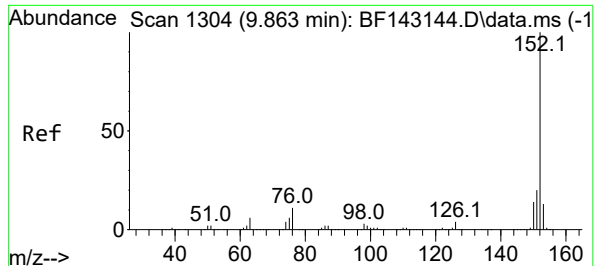
Ion Ratio Lower Upper

65 100

92 65.5 52.4 78.6

138 97.3 82.3 123.5





#49

Acenaphthylene

Concen: 43.507 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

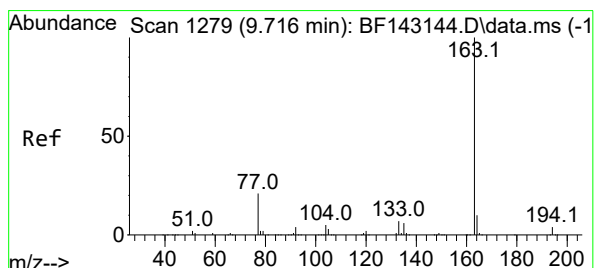
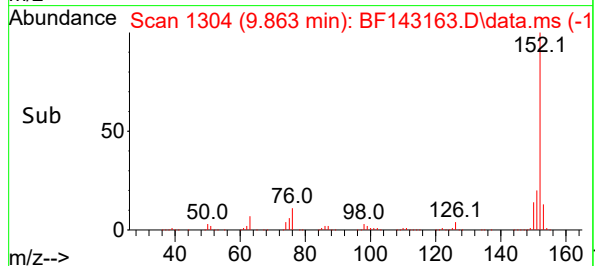
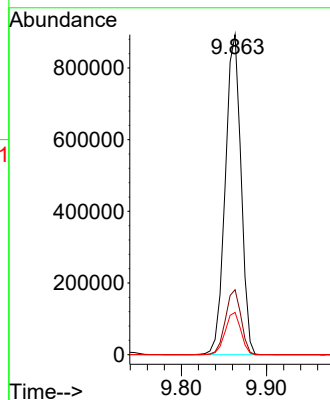
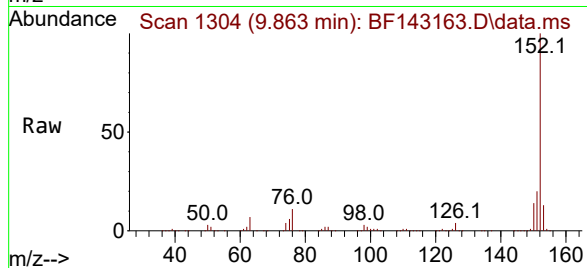
Tgt Ion:152 Resp: 1146165

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 45.003 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

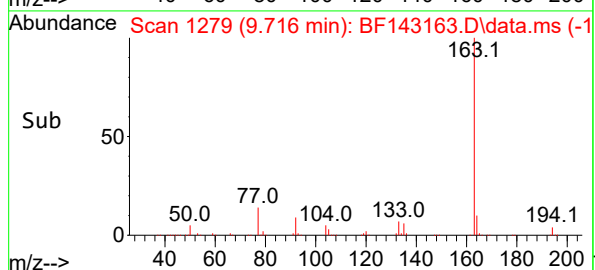
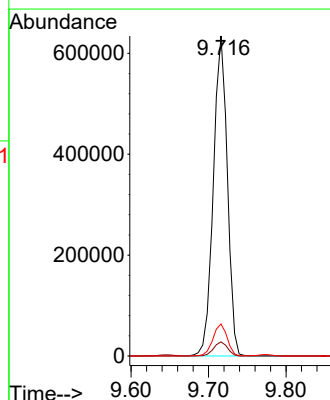
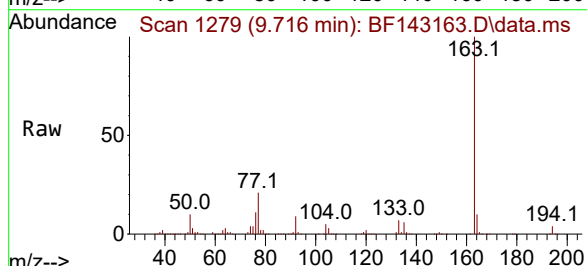
Tgt Ion:163 Resp: 798798

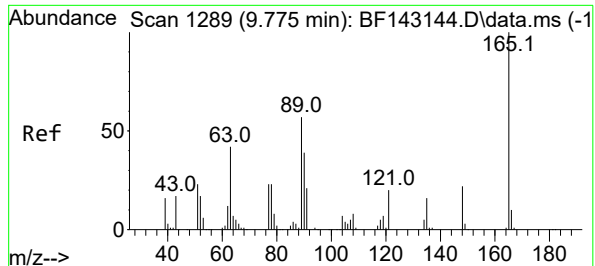
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.0 8.3 12.5

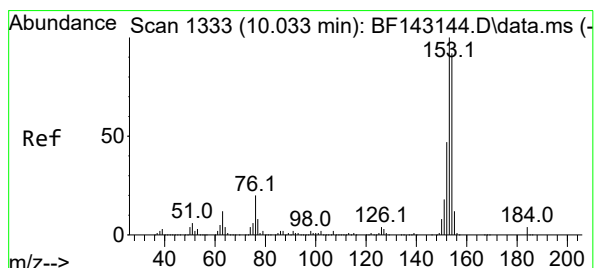
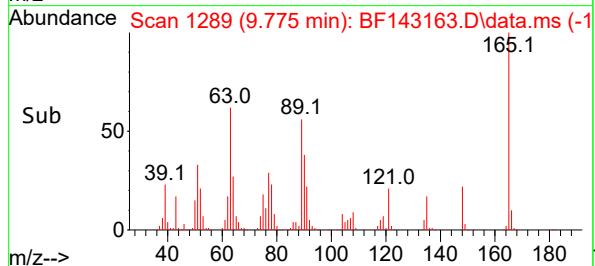
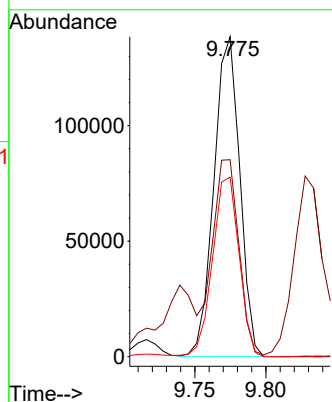
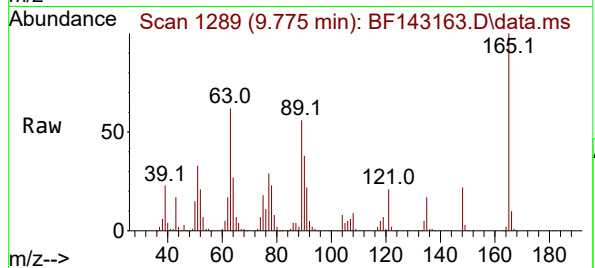




#51
2,6-Dinitrotoluene
Concen: 48.512 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

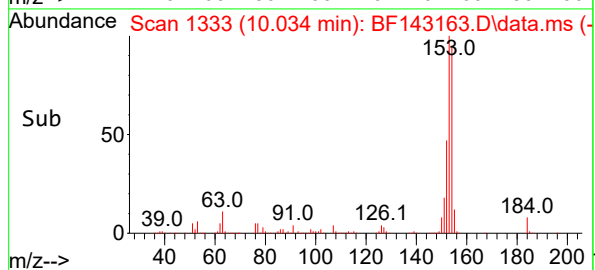
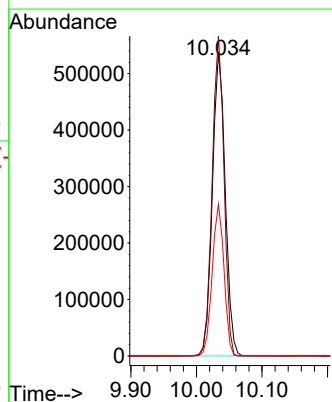
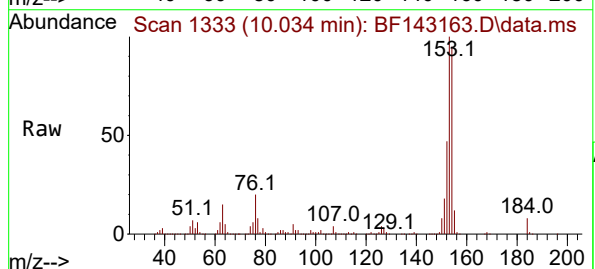
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

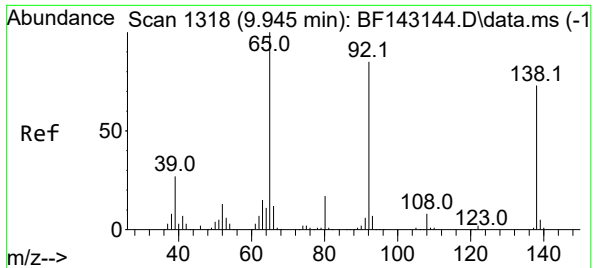
Tgt Ion:165 Resp: 175169
Ion Ratio Lower Upper
165 100
63 61.5 49.4 74.2
89 56.1 46.2 69.2



#52
Acenaphthene
Concen: 46.978 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:154 Resp: 731488
Ion Ratio Lower Upper
154 100
153 105.4 86.6 129.8
152 49.9 40.4 60.6

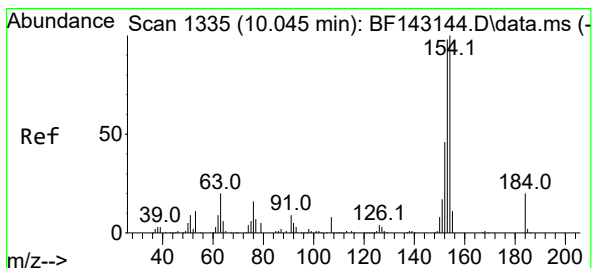
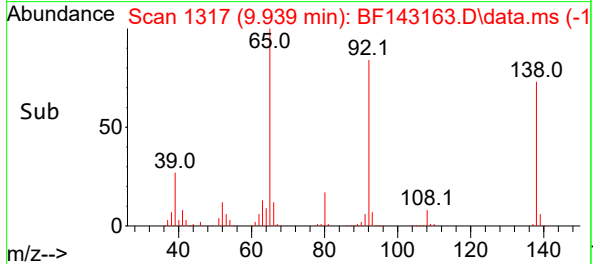
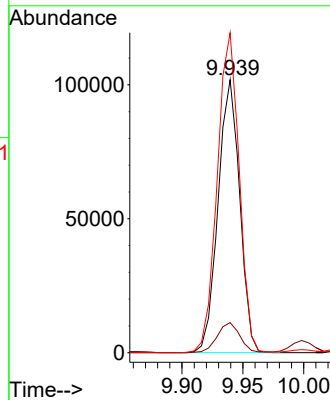
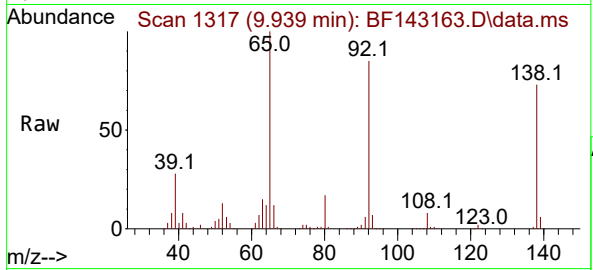




#53
3-Nitroaniline
Concen: 29.821 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

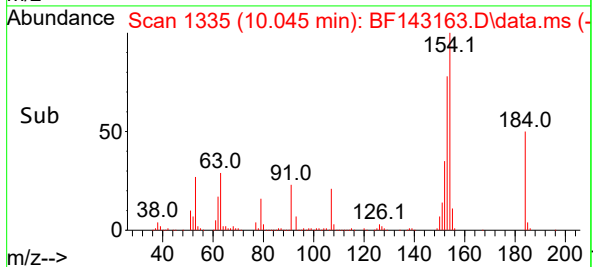
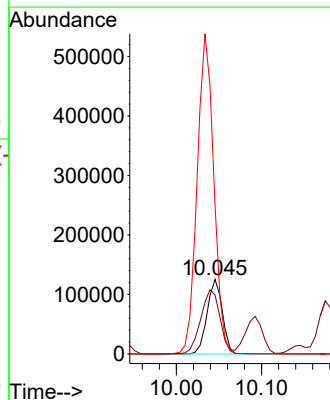
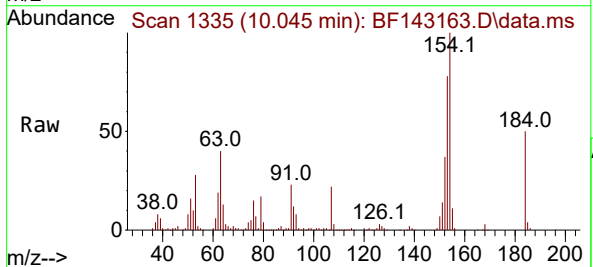
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

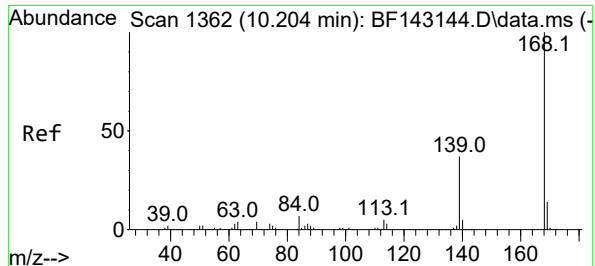
Tgt Ion:138 Resp: 125947
Ion Ratio Lower Upper
138 100
108 11.0 9.0 13.6
92 117.2 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 93.727 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:184 Resp: 155426
Ion Ratio Lower Upper
184 100
63 79.0 81.8 122.6#
154 198.5 412.2 618.4#





#55

Dibenzenofuran

Concen: 43.303 ng

RT: 10.204 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

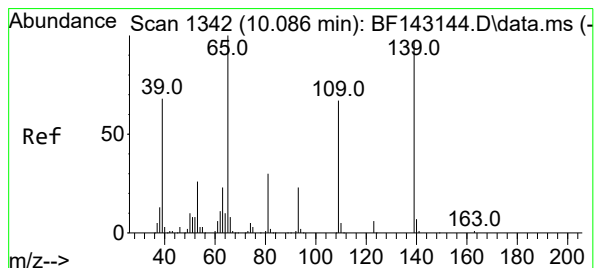
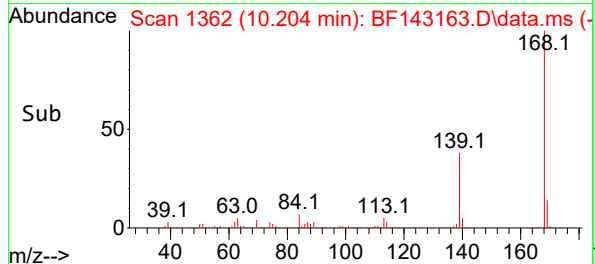
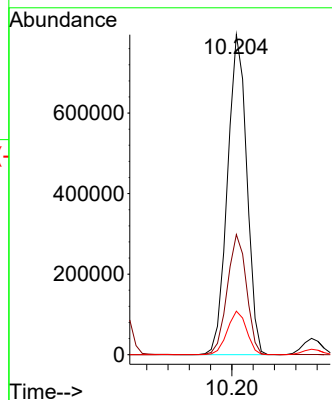
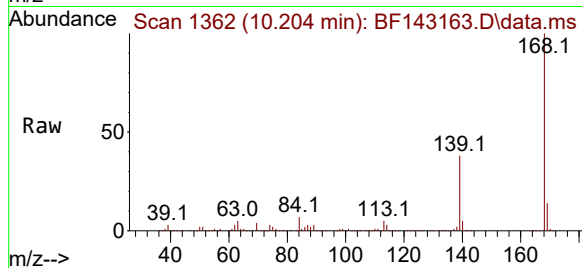
Tgt Ion:168 Resp: 1001067

Ion Ratio Lower Upper

168 100

139 37.6 29.5 44.3

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 92.760 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

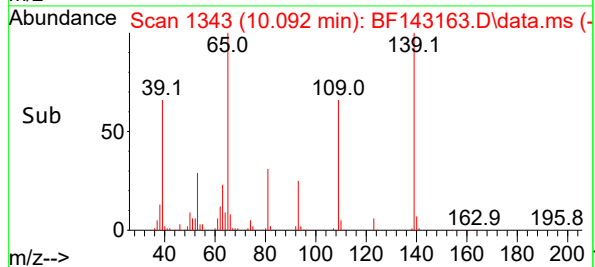
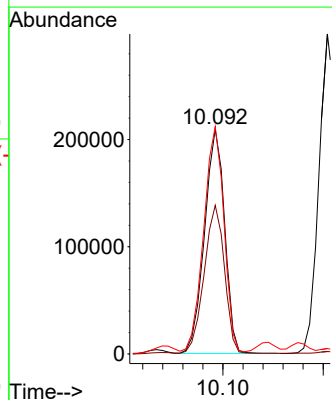
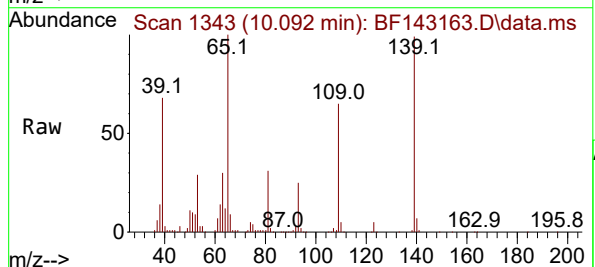
Tgt Ion:139 Resp: 292549

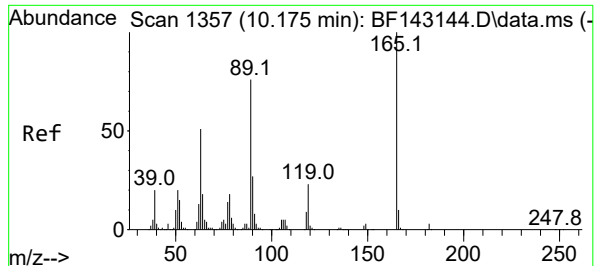
Ion Ratio Lower Upper

139 100

109 66.1 48.5 88.5

65 101.2 83.4 123.4

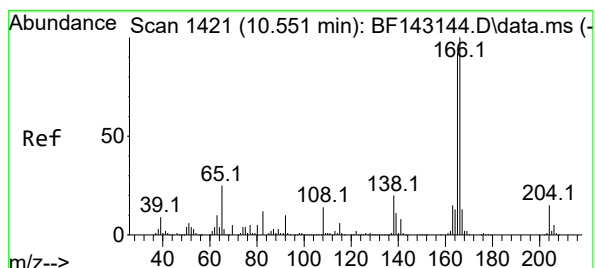
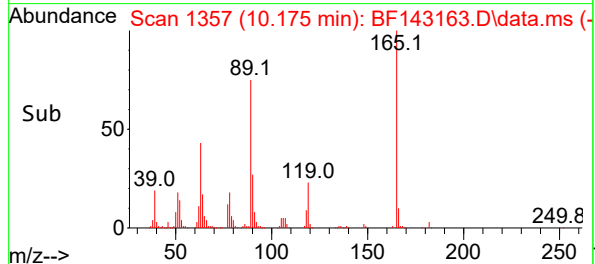
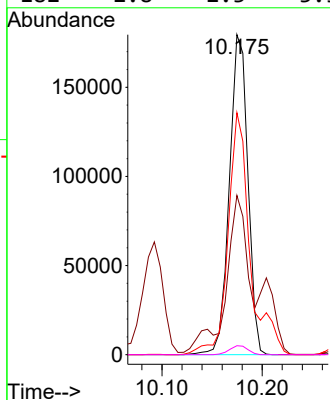
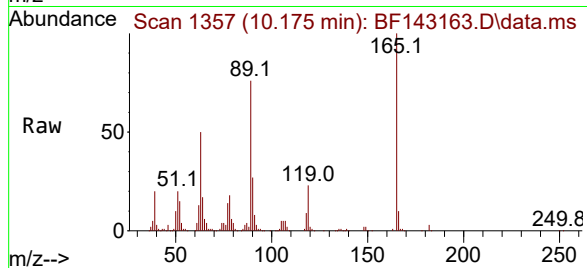




#57
2,4-Dinitrotoluene
Concen: 50.725 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

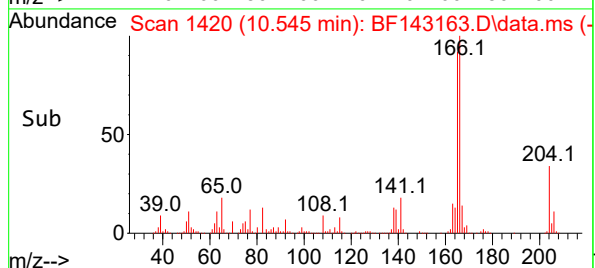
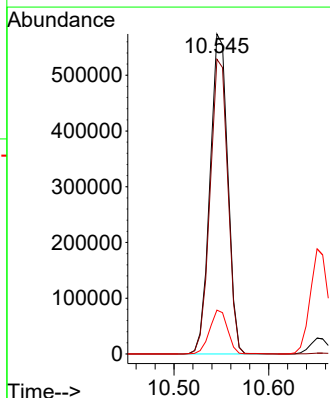
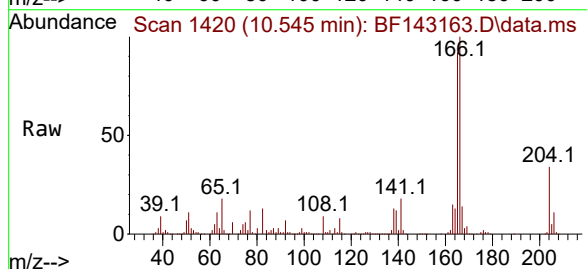
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

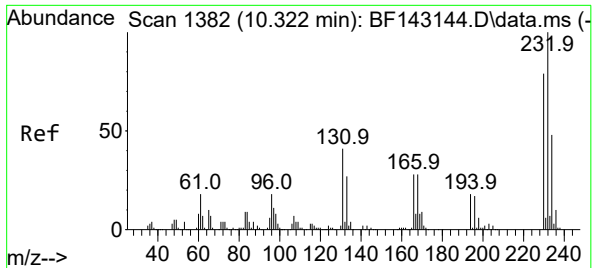
Tgt Ion:165 Resp: 229791
Ion Ratio Lower Upper
165 100
63 49.7 41.0 61.4
89 75.6 61.1 91.7
182 2.8 2.3 3.5



#58
Fluorene
Concen: 43.062 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:166 Resp: 747135
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.7 10.6 16.0

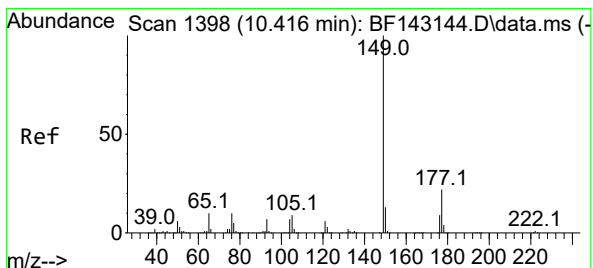
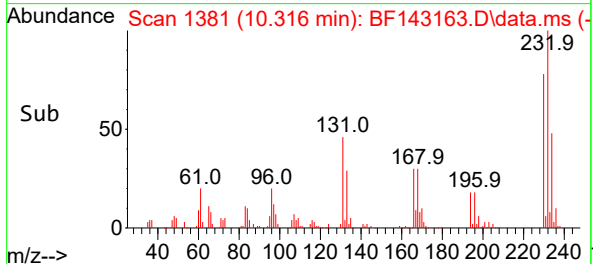
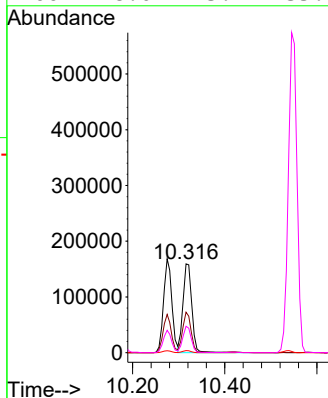
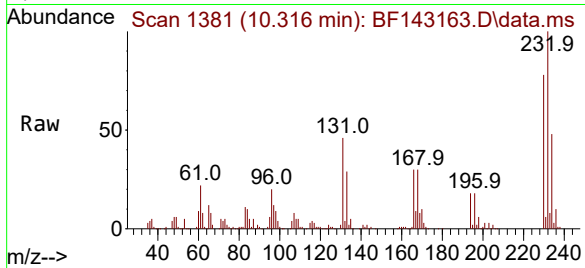




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.838 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

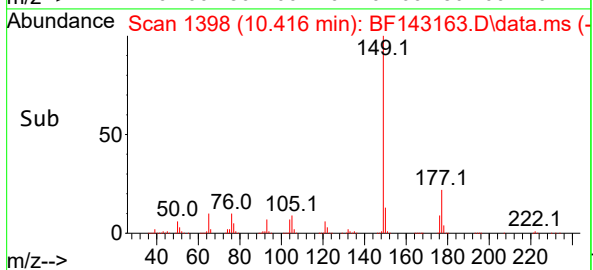
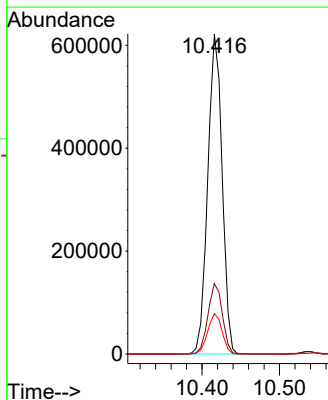
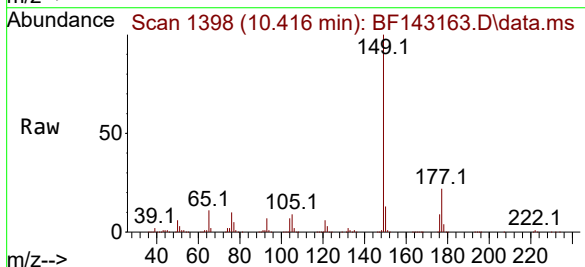
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

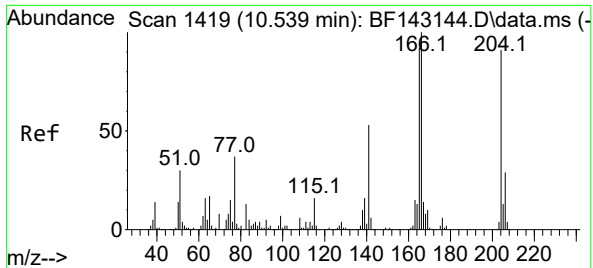
Tgt Ion:232 Resp: 211171
Ion Ratio Lower Upper
232 100
131 43.5 35.3 52.9
130 2.2 1.7 2.5
166 28.0 23.4 35.2



#60
Diethylphthalate
Concen: 45.581 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:149 Resp: 799680
Ion Ratio Lower Upper
149 100
177 22.0 17.5 26.3
150 12.6 10.2 15.2

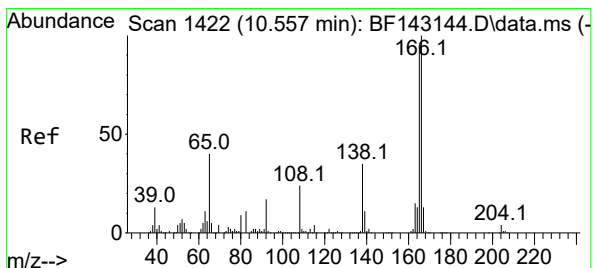
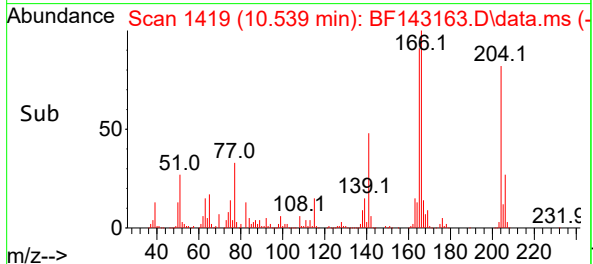
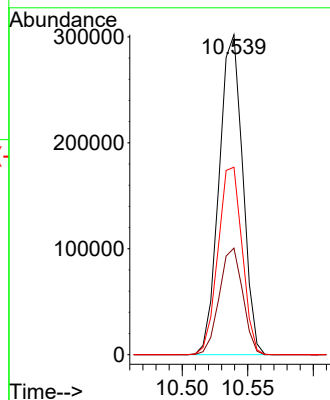
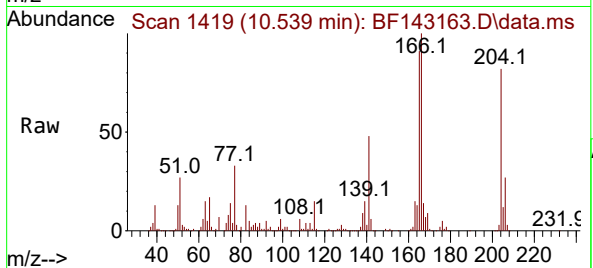




#61
4-Chlorophenyl-phenylether
Concen: 43.688 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

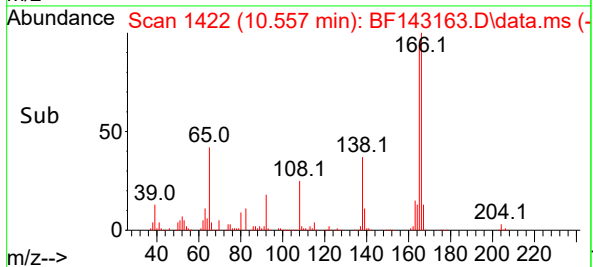
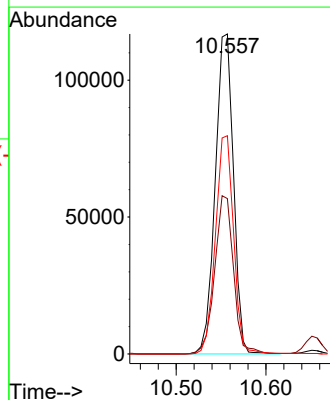
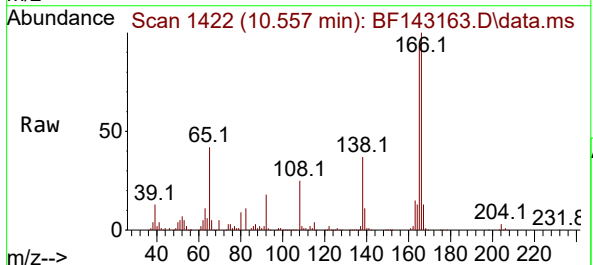
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

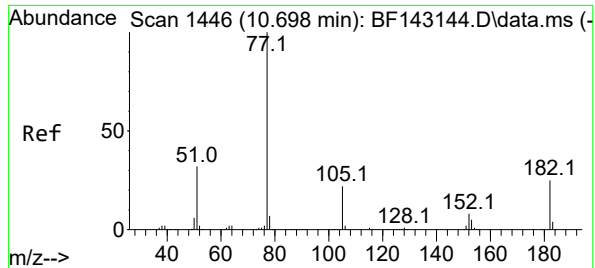
Tgt Ion:204 Resp: 377435
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.8
141 58.6 47.0 70.4



#62
4-Nitroaniline
Concen: 45.431 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:138 Resp: 164448
Ion Ratio Lower Upper
138 100
92 48.6 29.3 69.3
108 68.2 48.3 88.3

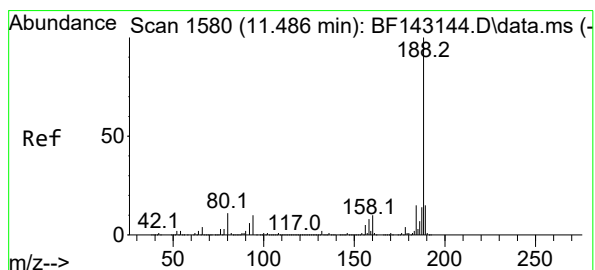
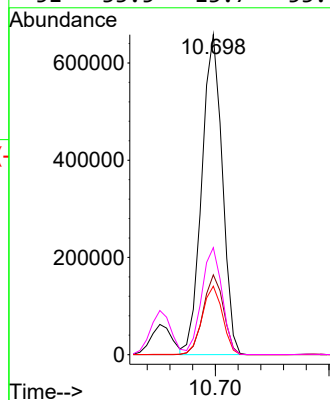
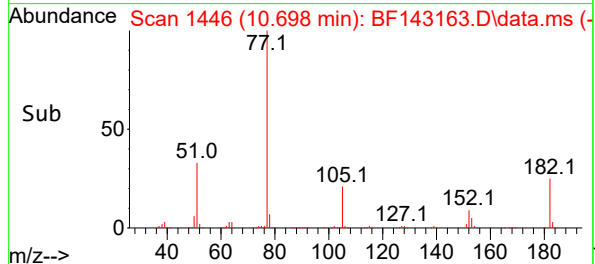
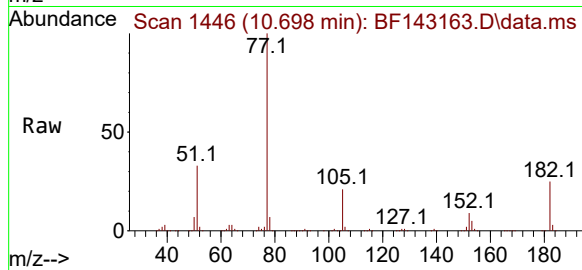




#63
Azobenzene
Concen: 45.030 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

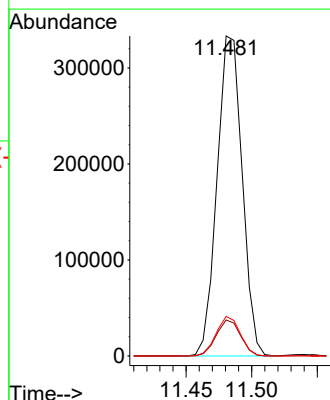
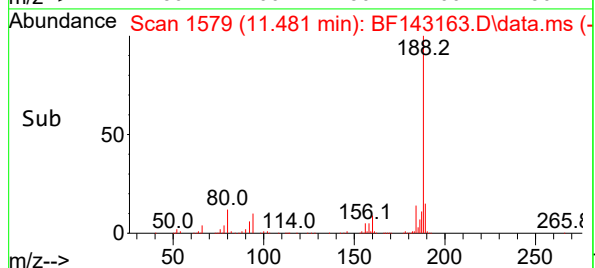
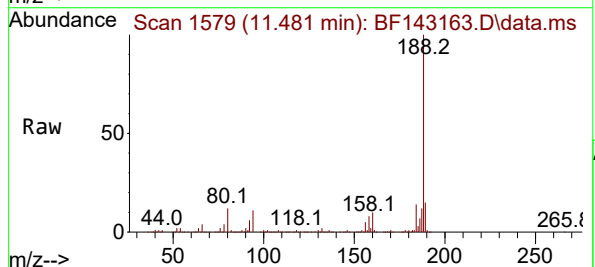
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

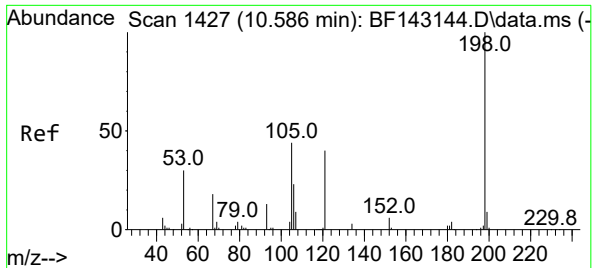
Tgt Ion: 77	Resp: 823357
Ion Ratio	Lower Upper
77 100	
182 24.9	4.6 44.6
105 21.4	1.4 41.4
51 33.5	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:188	Resp: 443930
Ion Ratio	Lower Upper
188 100	
94 11.3	8.3 12.5
80 12.4	9.0 13.6

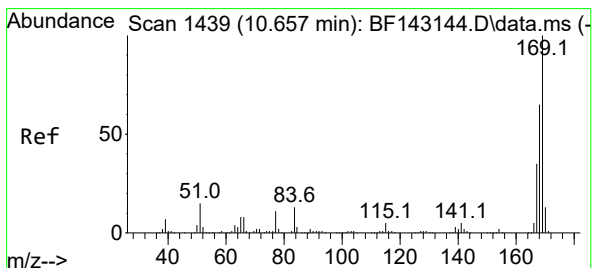
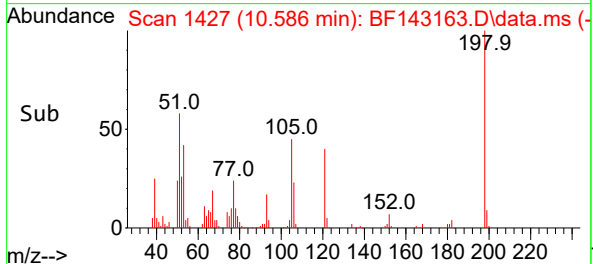
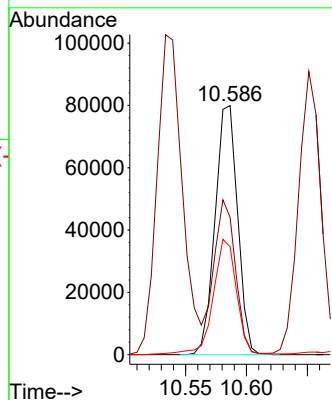
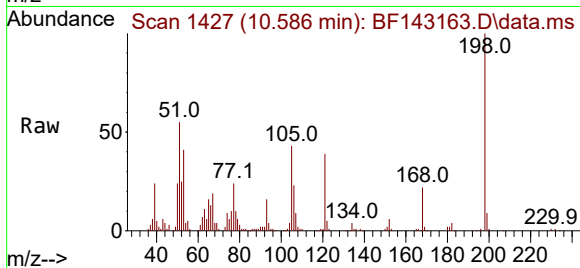




#65
4,6-Dinitro-2-methylphenol
Concen: 44.613 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

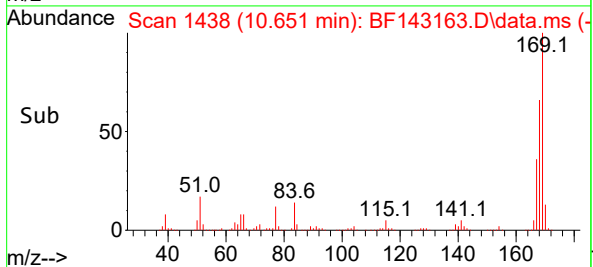
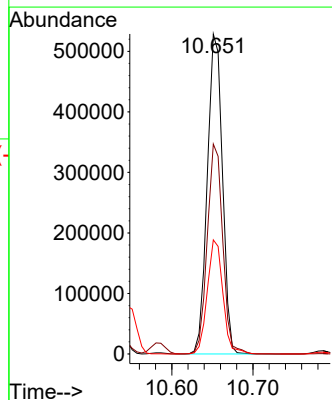
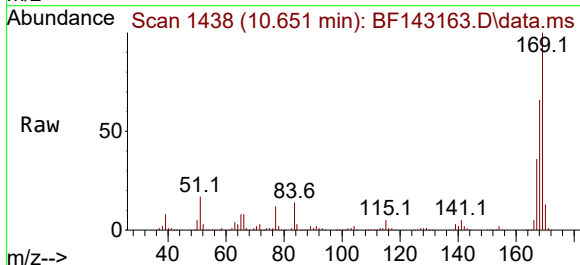
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

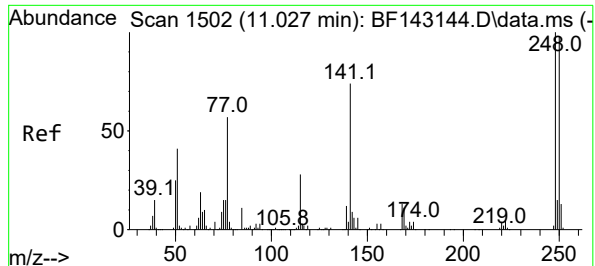
Tgt Ion:198 Resp: 102823
Ion Ratio Lower Upper
198 100
51 55.1 37.2 77.2
105 43.3 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 43.657 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:169 Resp: 682448
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.7 28.2 42.2

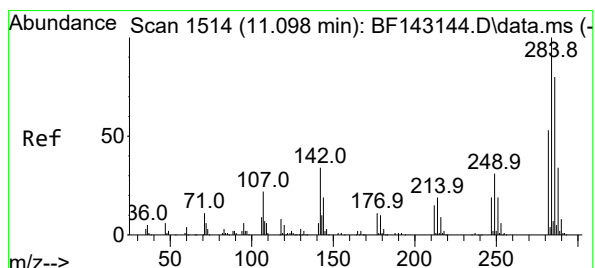
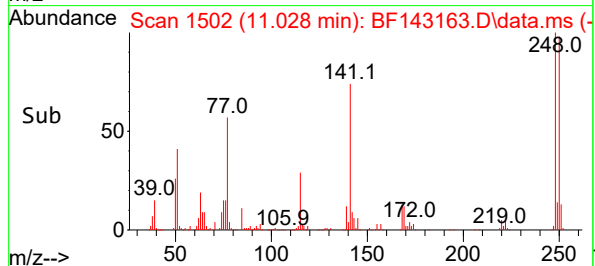
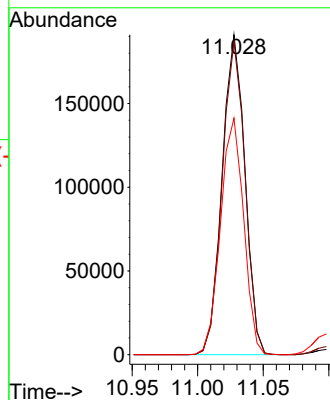
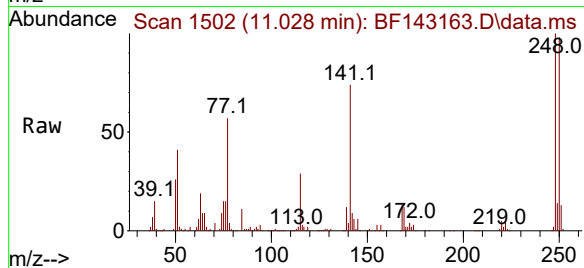




#67
4-Bromophenyl-phenylether
Concen: 43.838 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

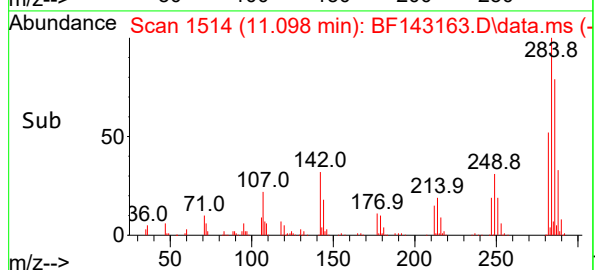
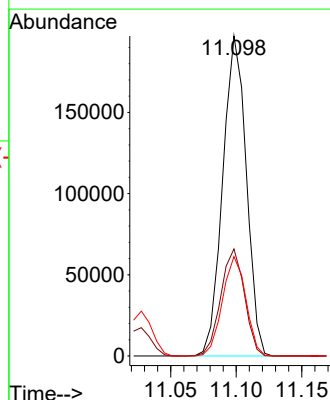
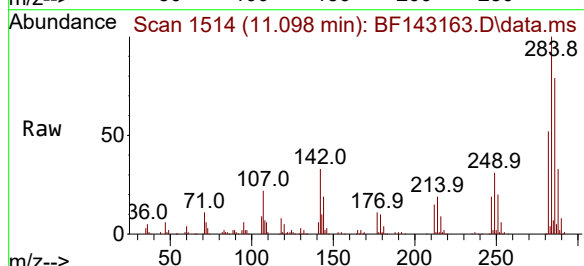
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

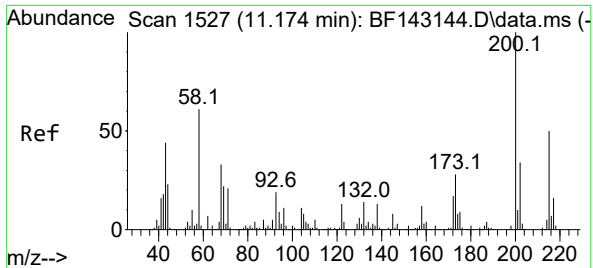
Tgt Ion:248 Resp: 231921
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 73.9 59.2 88.8



#68
Hexachlorobenzene
Concen: 44.499 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:284 Resp: 246065
Ion Ratio Lower Upper
284 100
142 33.4 27.0 40.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 46.910 ng

RT: 11.175 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

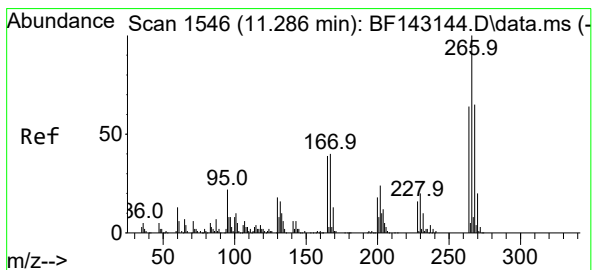
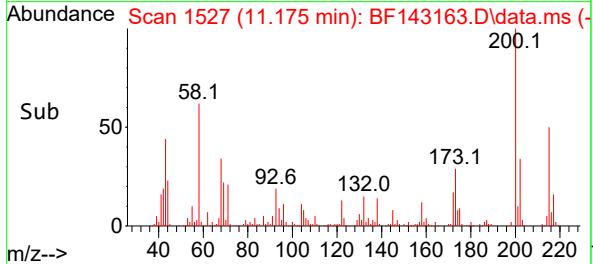
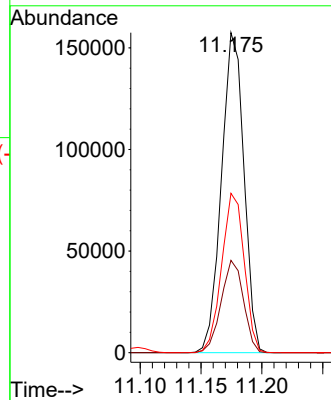
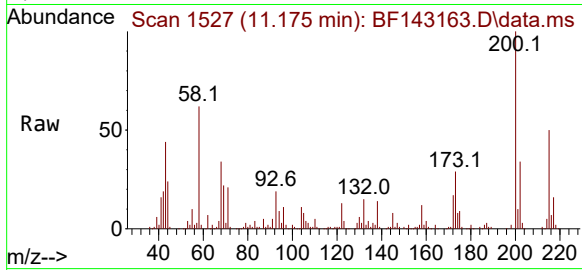
Tgt Ion:200 Resp: 202166

Ion Ratio Lower Upper

200 100

173 28.8 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 89.711 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

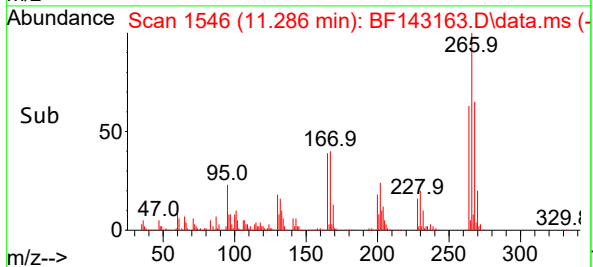
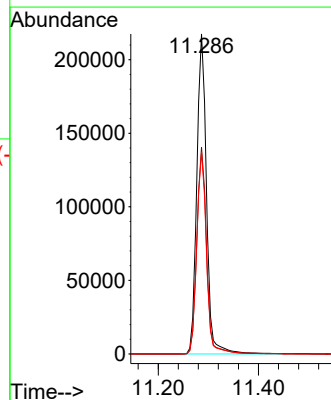
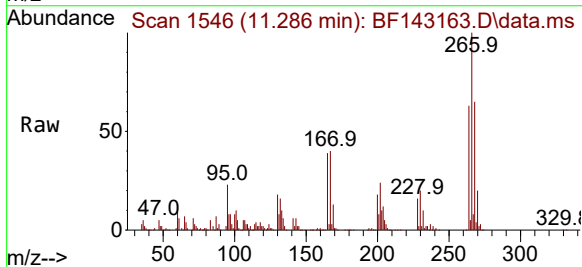
Tgt Ion:266 Resp: 291731

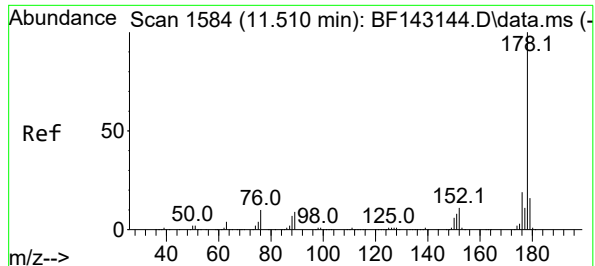
Ion Ratio Lower Upper

266 100

268 64.7 51.9 77.9

264 63.2 51.0 76.6

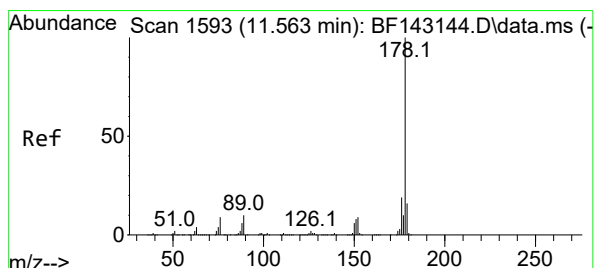
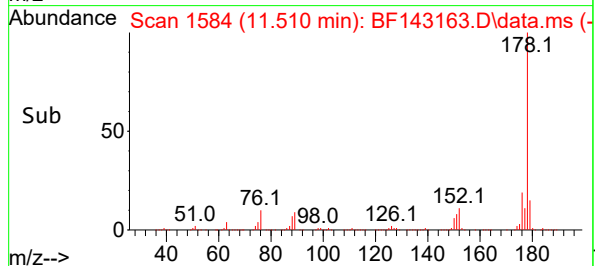
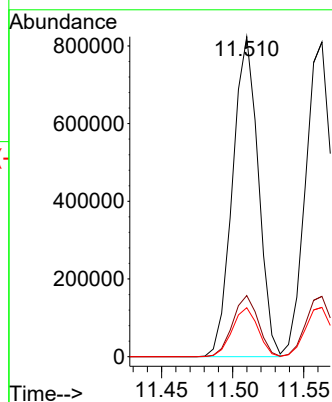
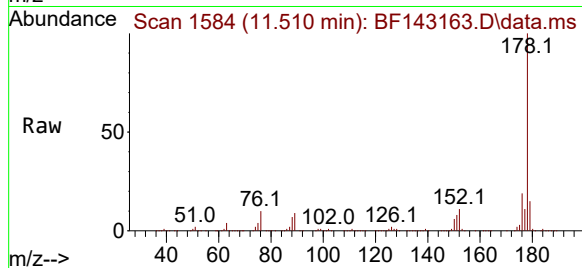




#71
Phenanthrene
Concen: 43.932 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

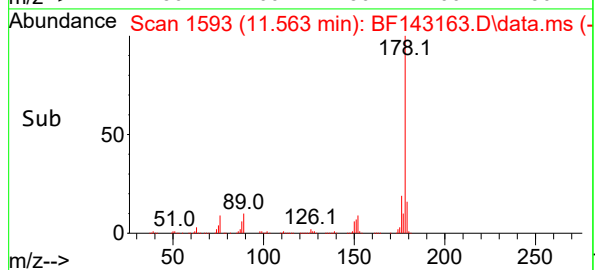
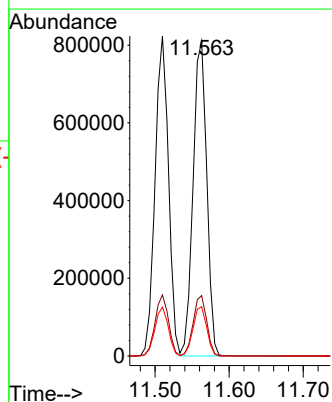
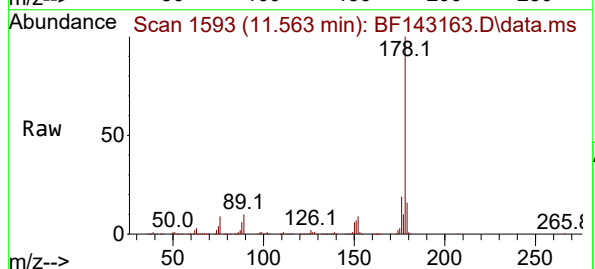
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

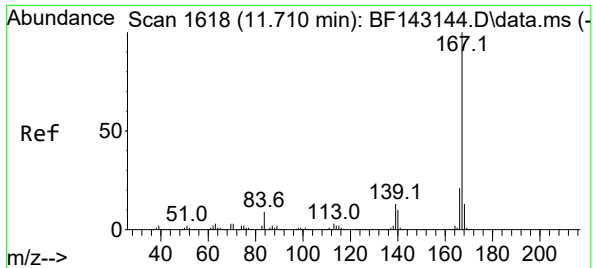
Tgt Ion:178 Resp: 1035532
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 43.143 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:178 Resp: 1037171
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.4
179 15.7 12.5 18.7

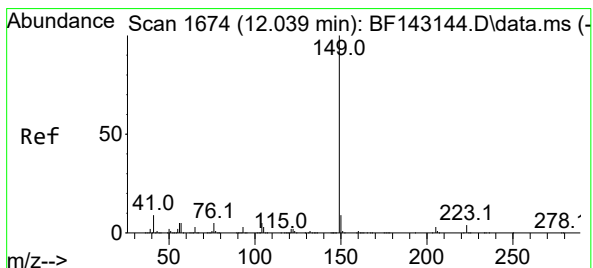
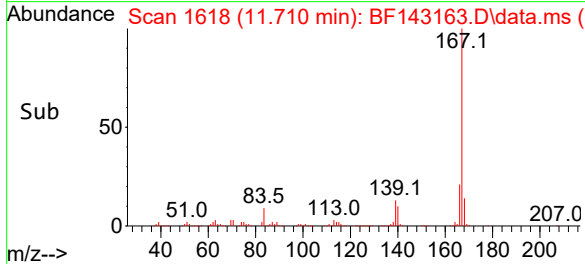
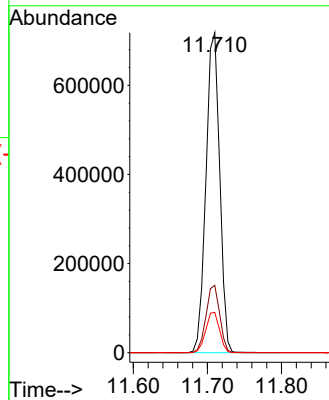
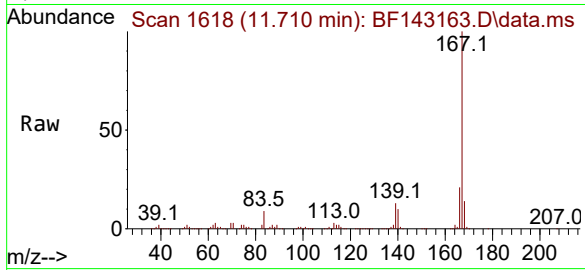




#73
 Carbazole
 Concen: 44.128 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143163.D
 Acq: 18 Jul 2025 13:22

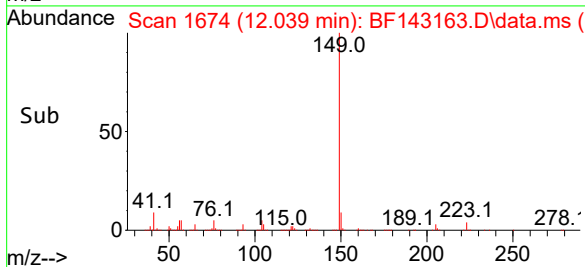
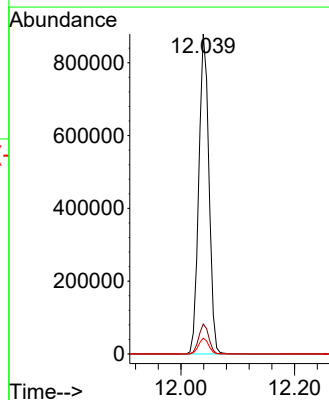
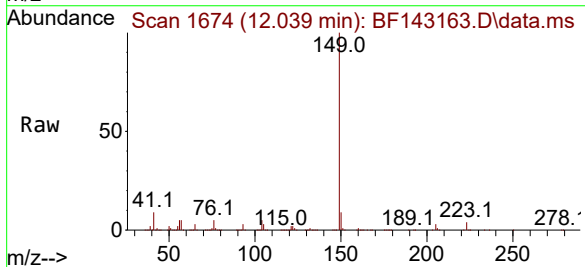
Instrument :
 BNA_F
 ClientSampleId :
 PB168904BSD

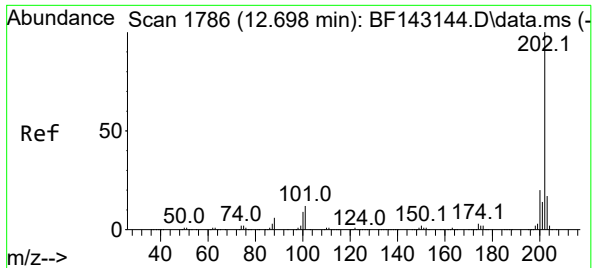
Tgt Ion:167 Resp: 926315
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 12.6 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 46.009 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143163.D
 Acq: 18 Jul 2025 13:22

Tgt Ion:149 Resp: 1092806
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.9 3.8 5.8

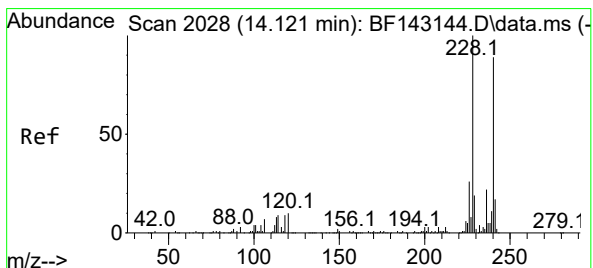
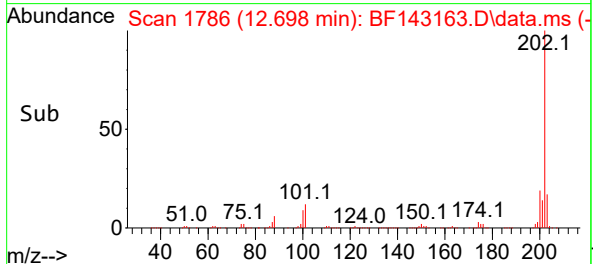
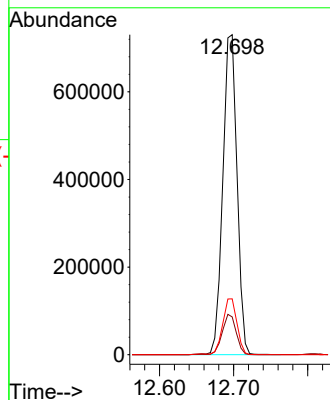
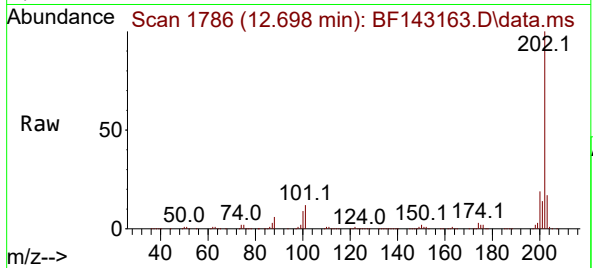




#75
Fluoranthene
Concen: 44.975 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

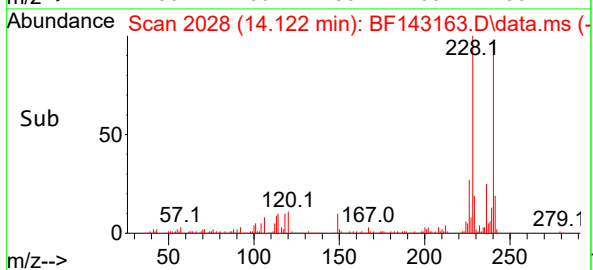
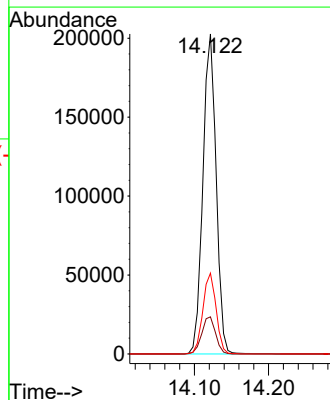
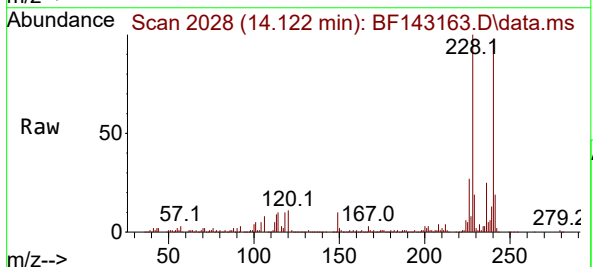
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

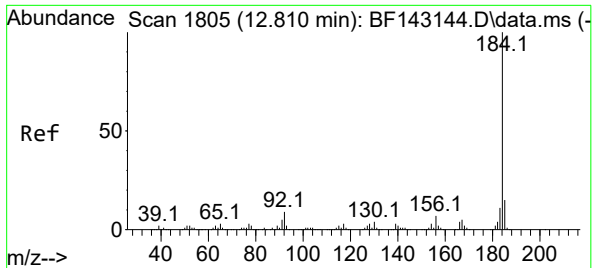
Tgt Ion:202 Resp: 973043
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:240 Resp: 252328
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 25.2 20.2 30.4

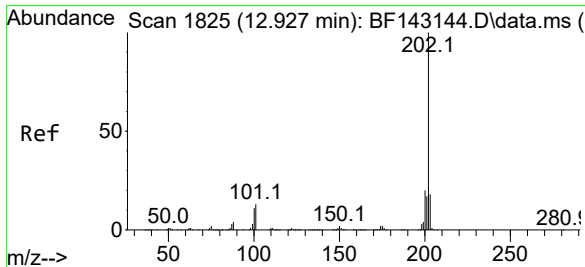
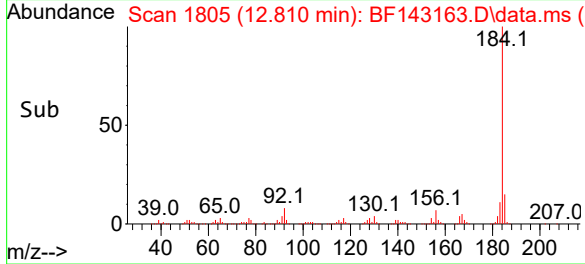
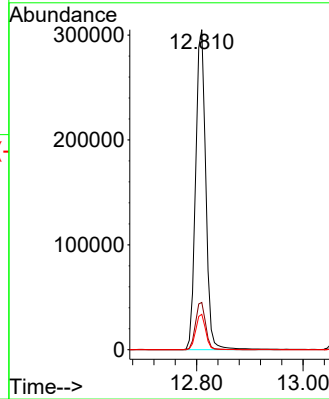
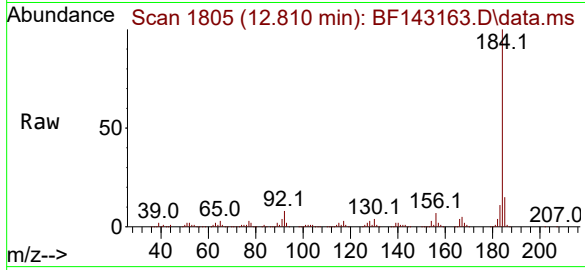




#77
Benzidine
Concen: 41.518 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

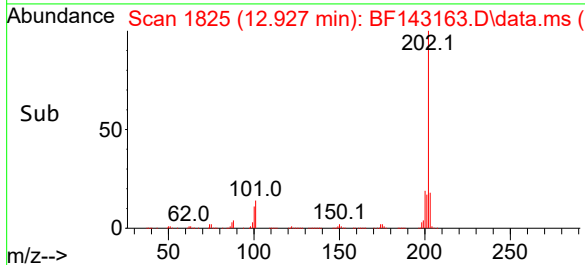
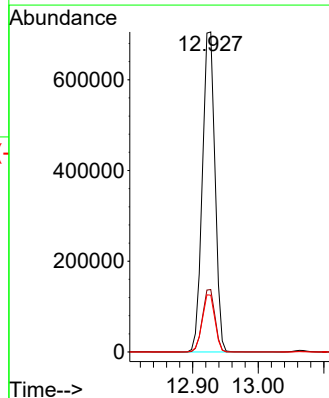
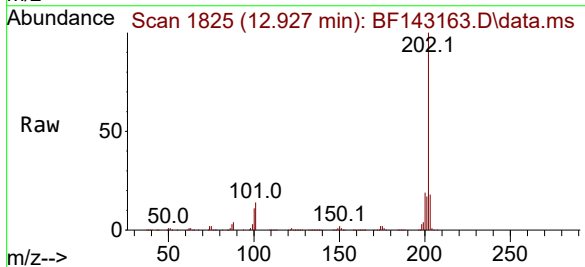
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

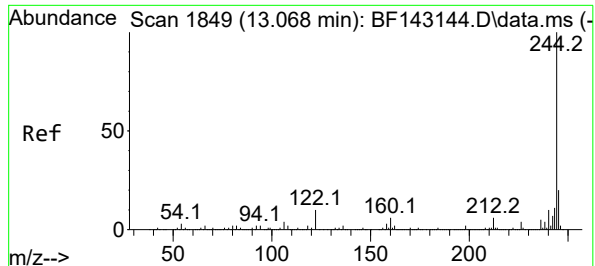
Tgt Ion:184 Resp: 403621
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.4
183 11.0 9.0 13.4



#78
Pyrene
Concen: 43.938 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:202 Resp: 946188
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 78.016 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

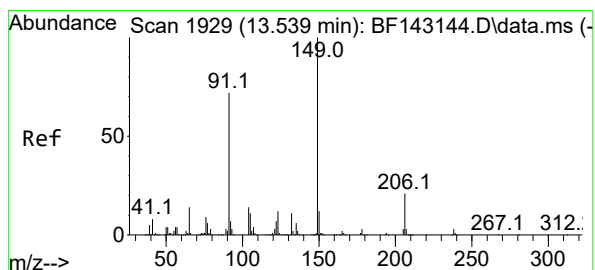
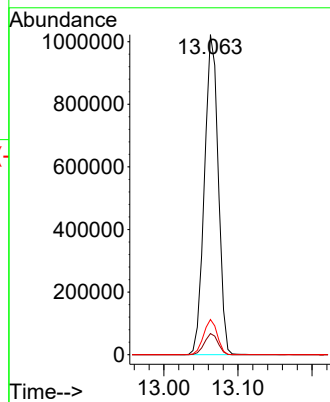
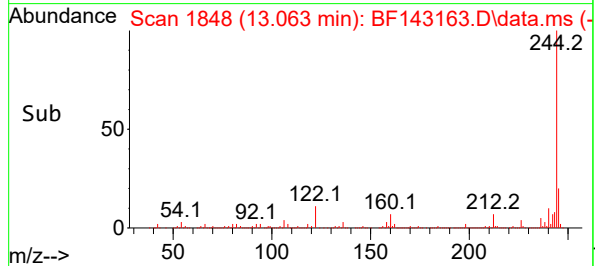
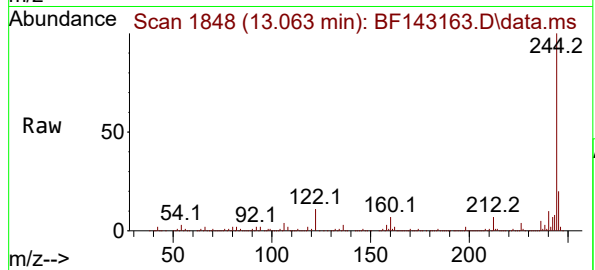
Tgt Ion:244 Resp: 1322859

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 47.354 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

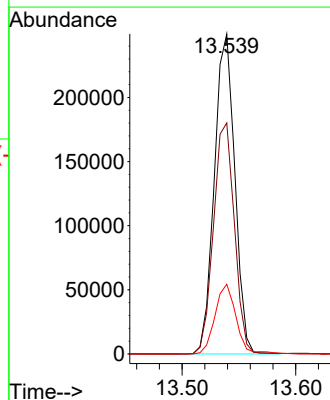
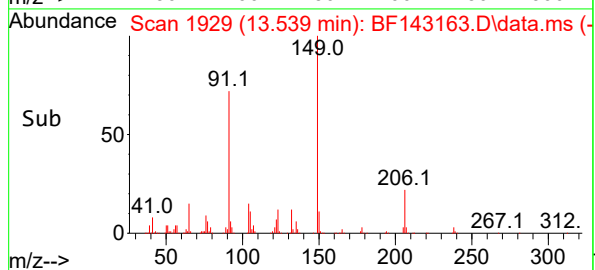
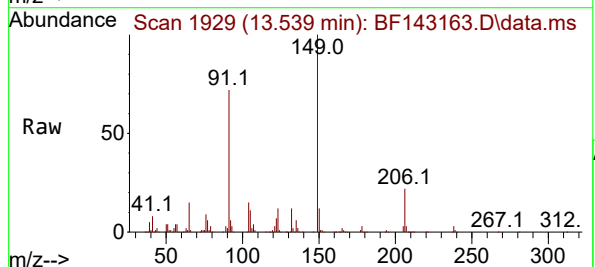
Tgt Ion:149 Resp: 312264

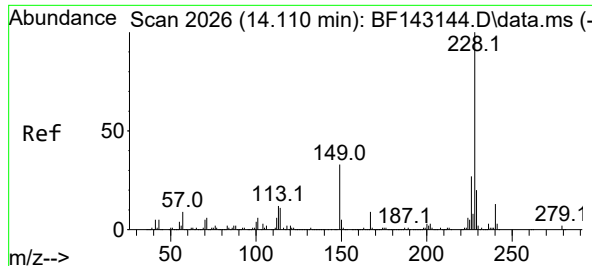
Ion Ratio Lower Upper

149 100

91 72.2 57.9 86.9

206 21.8 17.0 25.4

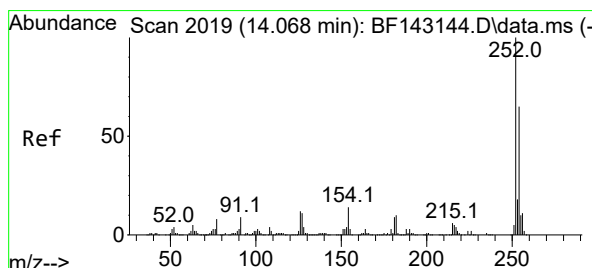
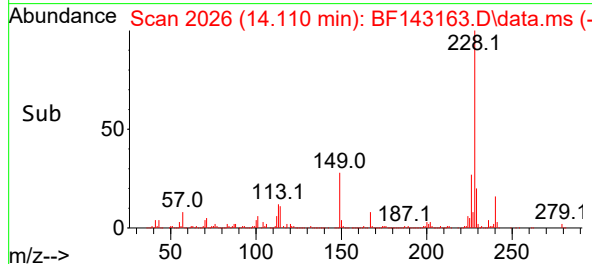
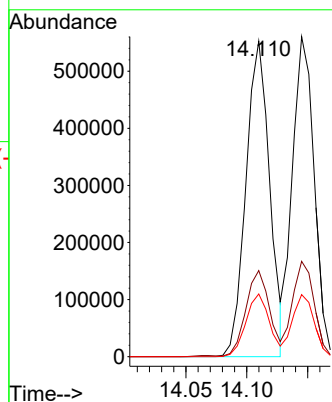
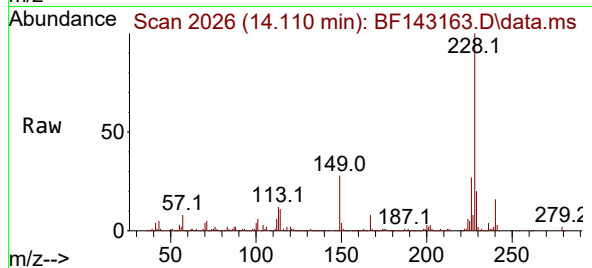




#81
Benzo(a)anthracene
Concen: 44.352 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

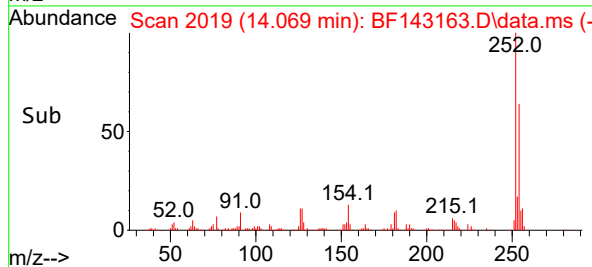
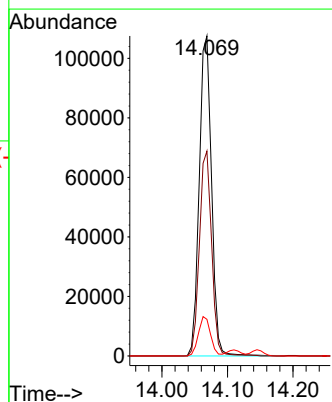
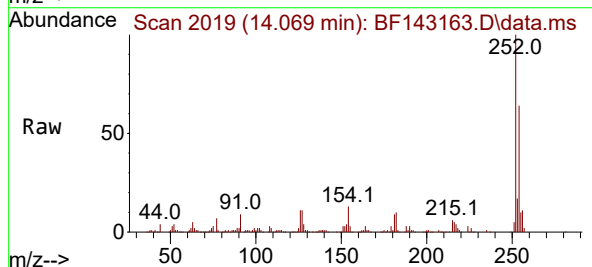
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

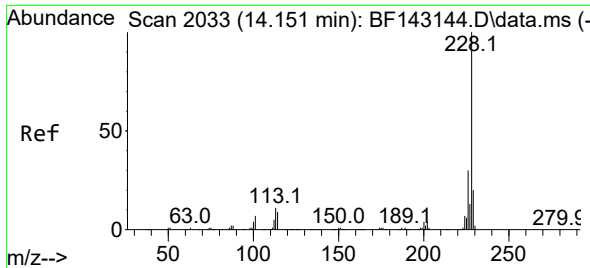
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.9	15.8	23.6



#82
3,3'-Dichlorobenzidine
Concen: 24.957 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.7	77.5
126	11.5	9.4	14.0

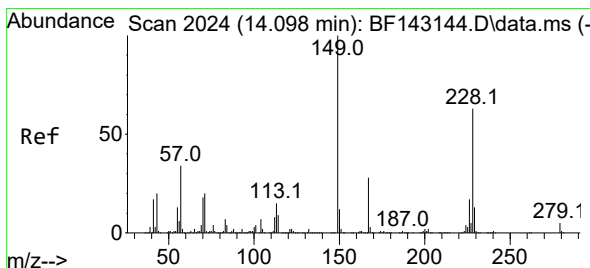
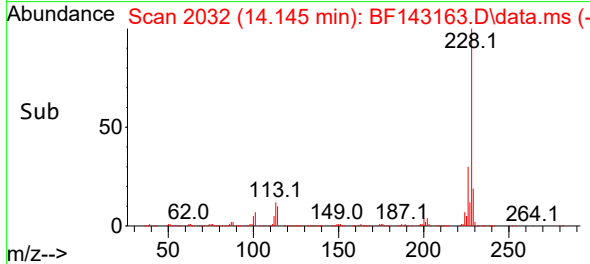
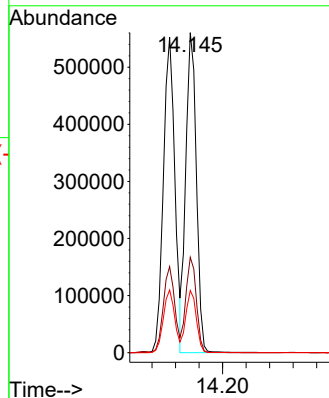
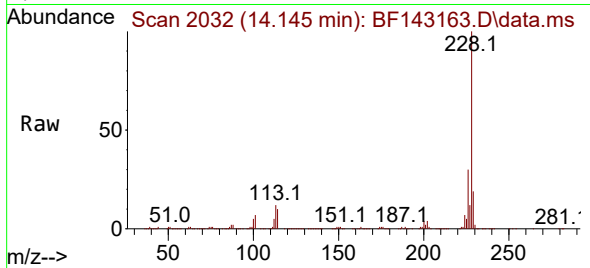




#83
Chrysene
Concen: 46.049 ng
RT: 14.145 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

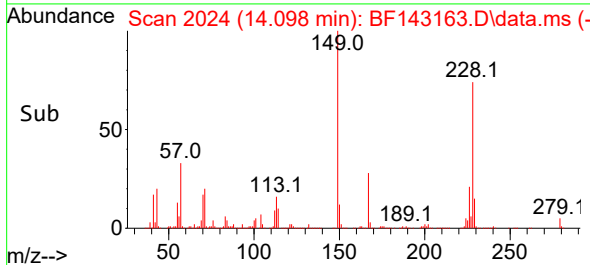
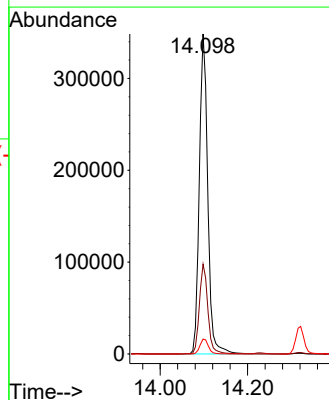
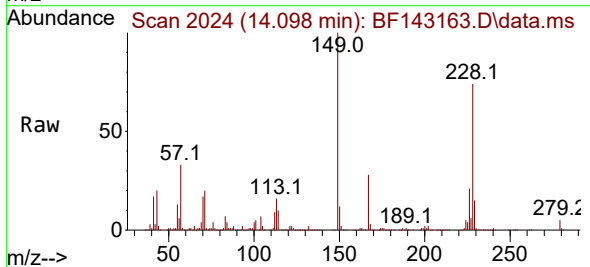
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

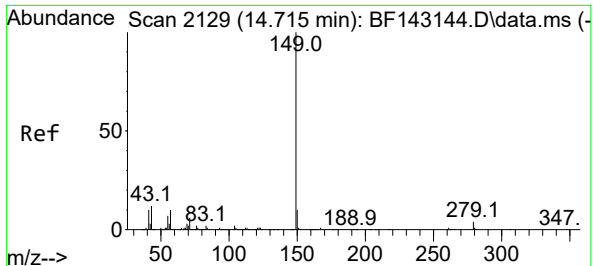
Tgt Ion:228 Resp: 699428
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 19.4 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.015 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:149 Resp: 469258
Ion Ratio Lower Upper
149 100
167 28.0 22.3 33.5
279 4.7 3.6 5.4

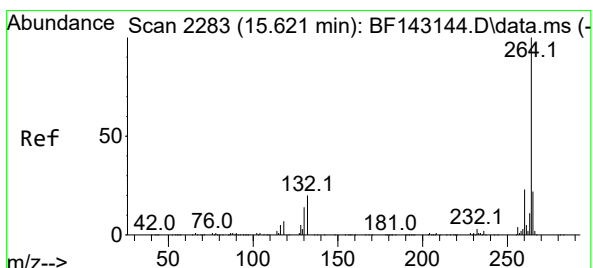
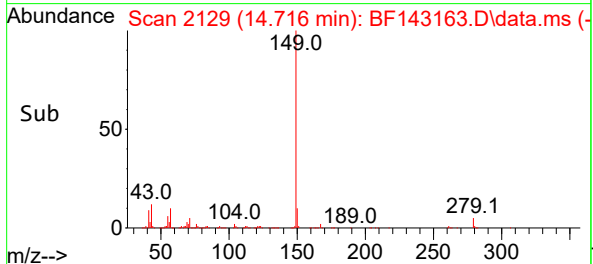
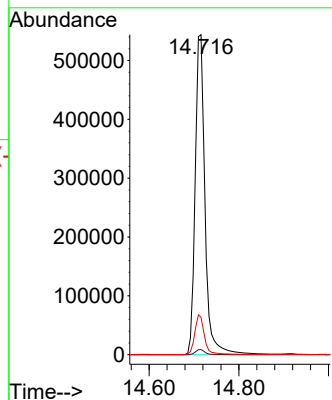
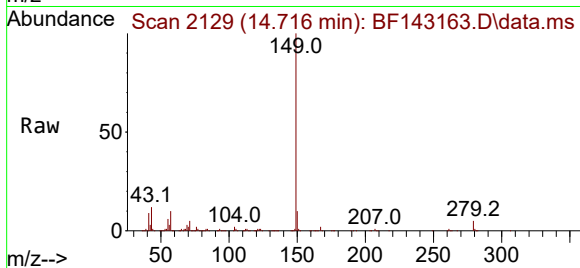




#85
Di-n-octyl phthalate
Concen: 45.761 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

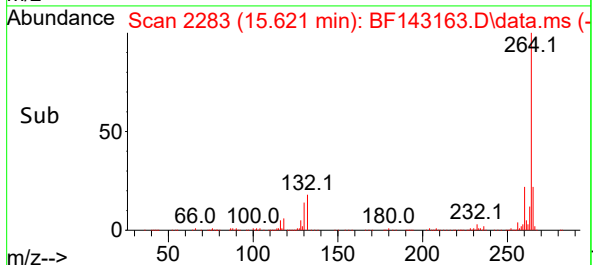
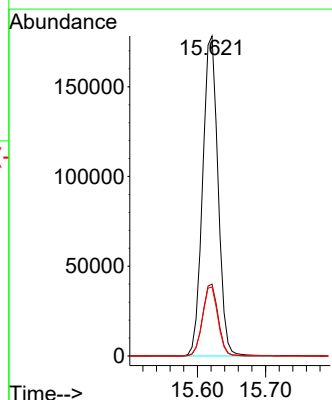
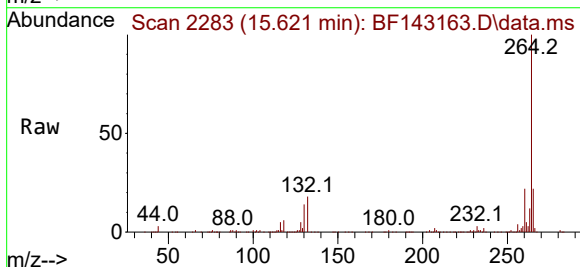
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

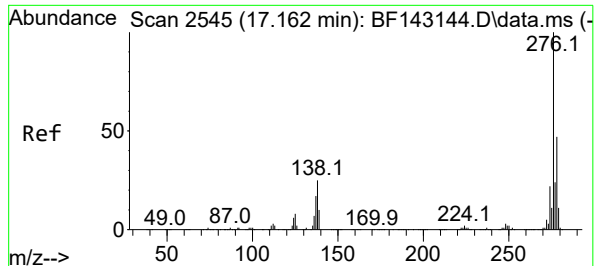
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.2	9.7	14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.5	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.416 ng

RT: 17.157 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

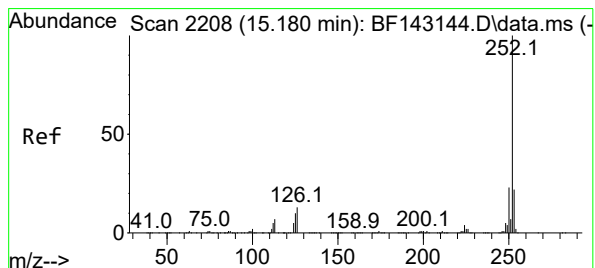
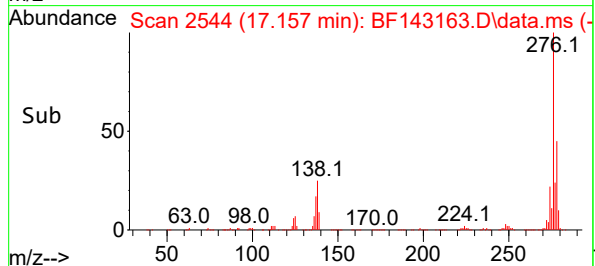
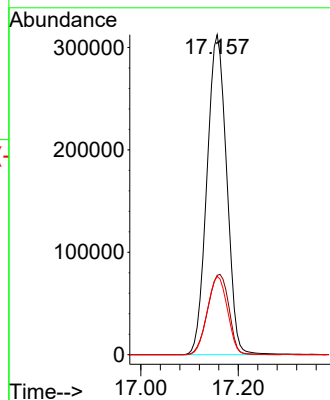
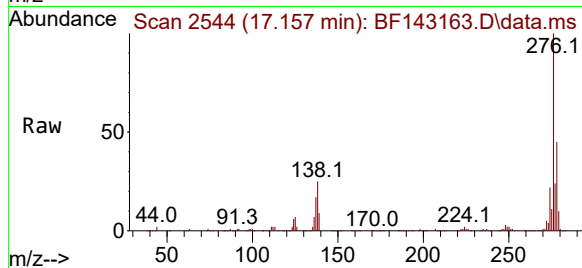
Tgt Ion:276 Resp: 877169

Ion Ratio Lower Upper

276 100

138 27.0 21.8 32.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 45.293 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

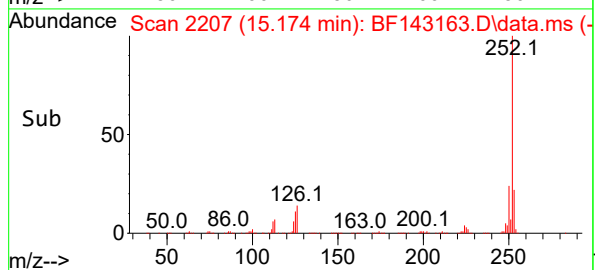
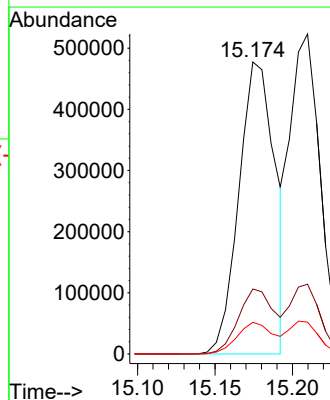
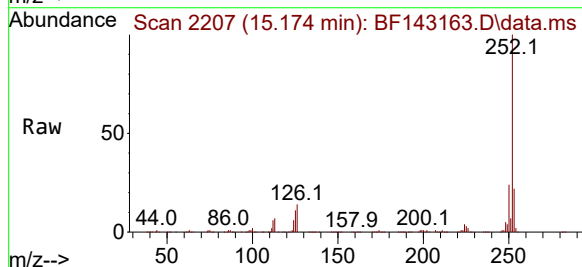
Tgt Ion:252 Resp: 774966

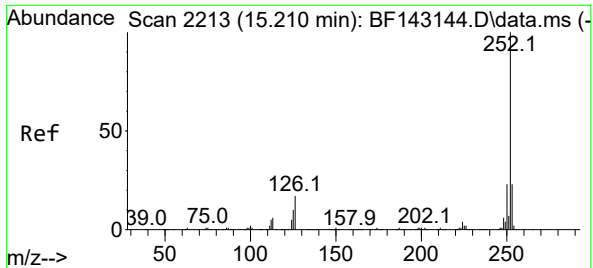
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 46.352 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB168904BSD

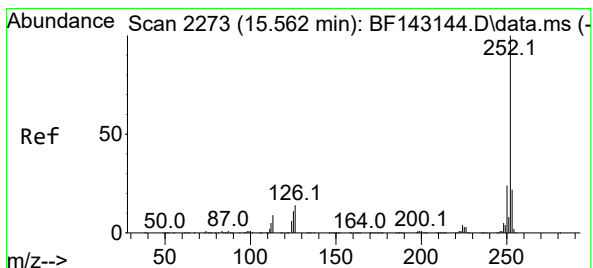
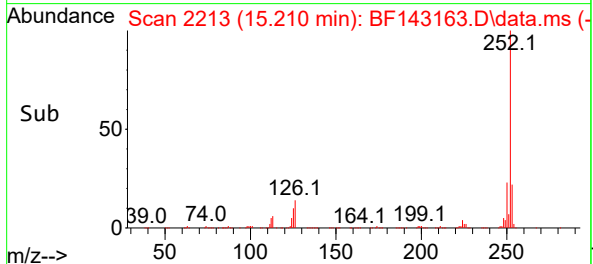
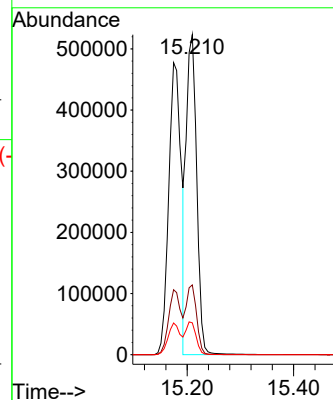
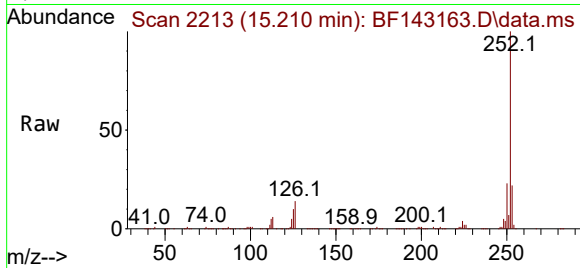
Tgt Ion:252 Resp: 707707

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.0 8.1 12.1



#90

Benzo(a)pyrene

Concen: 45.449 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143163.D

Acq: 18 Jul 2025 13:22

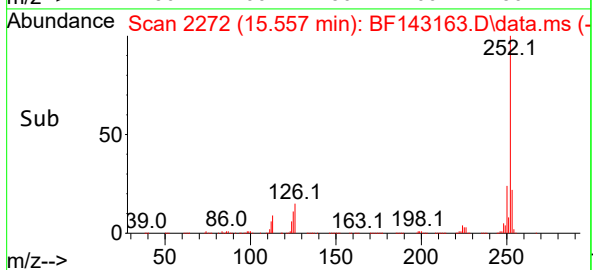
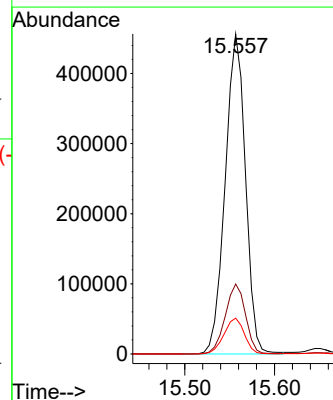
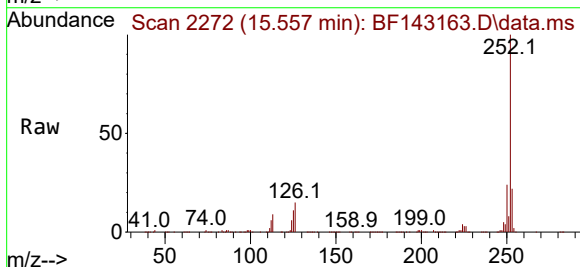
Tgt Ion:252 Resp: 716468

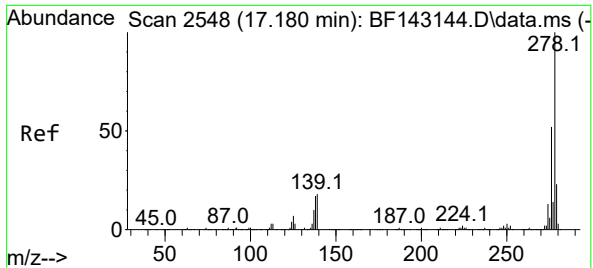
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.2 8.6 13.0

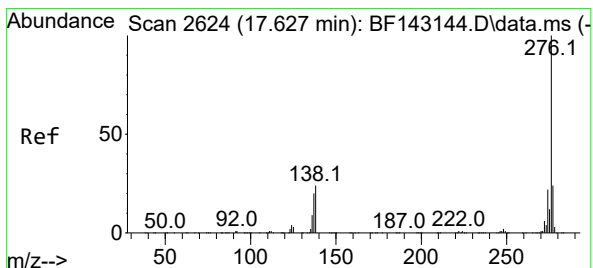
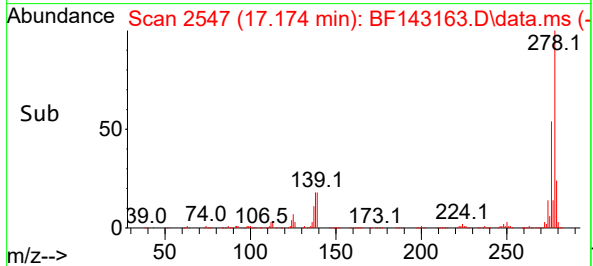
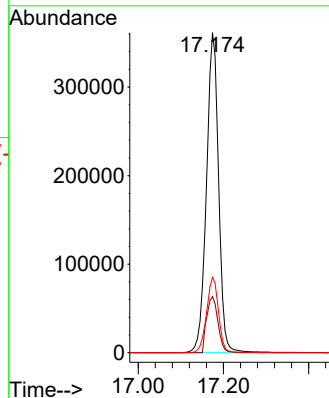
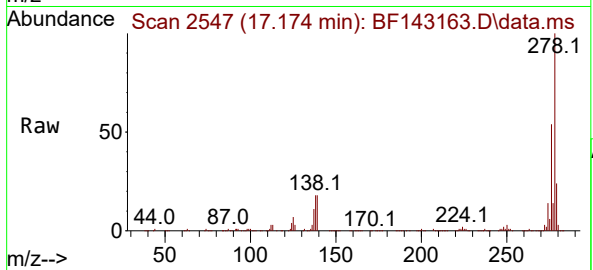




#91
Dibenzo(a,h)anthracene
Concen: 44.536 ng
RT: 17.174 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

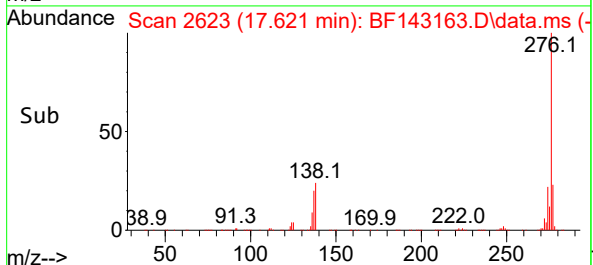
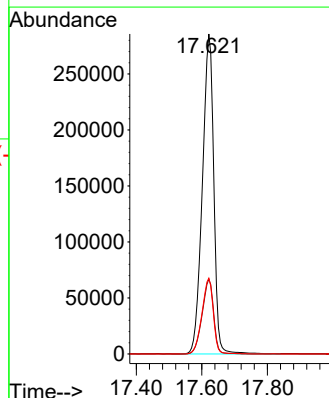
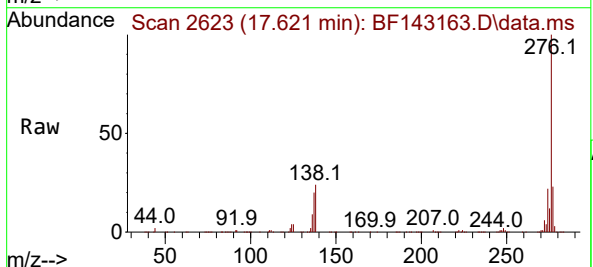
Instrument :
BNA_F
ClientSampleId :
PB168904BSD

Tgt Ion:278 Resp: 715895
Ion Ratio Lower Upper
278 100
139 17.6 14.1 21.1
279 23.6 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 44.525 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143163.D
Acq: 18 Jul 2025 13:22

Tgt Ion:276 Resp: 692338
Ion Ratio Lower Upper
276 100
277 23.4 19.1 28.7
138 23.7 18.9 28.3



Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143141.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:25 AM	Jagrut	7/18/2025 1:30:07 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Benzoic acid	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Phenol	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Benzoic acid	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Phenol	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Benzoic acid	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Phenol	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Benzoic acid	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Phenol	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC060	BF143146.D	Phenol	Rahul	7/18/2025 10:30:38 AM	Jagrut	7/18/2025 1:30:19 PM	Peak Integrated by Software
SSTDICC080	BF143147.D	Benzoic acid	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF071725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF143147.D	Phenol	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software
SSTDICV040	BF143148.D	Phenol	Rahul	7/18/2025 10:30:44 AM	Jagrut	7/18/2025 1:30:24 PM	Peak Integrated by Software
SSTDCCC040	BF143157.D	Phenol	Rahul	7/18/2025 10:31:02 AM	Jagrut	7/18/2025 1:30:41 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

bf071825

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM
SubDirectory	BF071725	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12674,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143138.D	17 Jul 2025 09:58	RC/JU	Ok
2	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	RC/JU	Not Ok
3	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04	RC/JU	Ok
4	SSTDICC005	BF143141.D	17 Jul 2025 11:34	RC/JU	Ok,M
5	SSTDICC010	BF143142.D	17 Jul 2025 12:04	RC/JU	Ok,M
6	SSTDICC020	BF143143.D	17 Jul 2025 12:34	RC/JU	Ok,M
7	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	RC/JU	Ok,M
8	SSTDICC050	BF143145.D	17 Jul 2025 13:33	RC/JU	Ok,M
9	SSTDICC060	BF143146.D	17 Jul 2025 14:04	RC/JU	Ok,M
10	SSTDICC080	BF143147.D	17 Jul 2025 14:34	RC/JU	Ok,M
11	SSTDICV040	BF143148.D	17 Jul 2025 15:06	RC/JU	Ok,M
12	PB168813BL	BF143149.D	17 Jul 2025 15:36	RC/JU	Ok
13	Q2126-03	BF143150.D	17 Jul 2025 16:06	RC/JU	Ok,M
14	Q2126-03	BF143151.D	17 Jul 2025 16:36	RC/JU	Ok,M
15	Q2126-09	BF143152.D	17 Jul 2025 17:07	RC/JU	Ok,M
16	Q2126-09	BF143153.D	17 Jul 2025 17:37	RC/JU	Ok,M
17	PB168816BL	BF143154.D	17 Jul 2025 18:07	RC/JU	Ok
18	PB167904BL	BF143155.D	17 Jul 2025 18:37	RC/JU	Ok
19	PB167904BS	BF143156.D	17 Jul 2025 19:07	RC/JU	Ok,M
20	SSTDCCC040	BF143157.D	17 Jul 2025 19:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF071825

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF071825	HP Acquire Method	BNA_F	HP Processing Method	bf071725
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S12674,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143158.D	18 Jul 2025 10:55	RC/JU	Ok
2	SSTDCCC040	BF143159.D	18 Jul 2025 11:24	RC/JU	Ok,NR
3	PB168737BL	BF143160.D	18 Jul 2025 11:54	RC/JU	Ok
4	PB168854BS	BF143161.D	18 Jul 2025 12:23	RC/JU	Ok,NR
5	PB168904BS	BF143162.D	18 Jul 2025 12:53	RC/JU	Ok,NR
6	PB168904BSD	BF143163.D	18 Jul 2025 13:22	RC/JU	Ok,NR
7	PB168904BL	BF143164.D	18 Jul 2025 13:52	RC/JU	Ok
8	Q2585-04	BF143165.D	18 Jul 2025 14:25	RC/JU	Ok
9	Q2594-01	BF143166.D	18 Jul 2025 14:54	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM
SubDirectory	BF071725	HP Acquire Method	BNA_F
		HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143138.D	17 Jul 2025 09:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF143141.D	17 Jul 2025 11:34		RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BF143142.D	17 Jul 2025 12:04		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF143143.D	17 Jul 2025 12:34		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	Compound #32,54,65 Kept on LR	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF143145.D	17 Jul 2025 13:33		RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BF143146.D	17 Jul 2025 14:04		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BF143147.D	17 Jul 2025 14:34	Compound#77 removed from 80 ppm	RC/JU	Ok,M
11	SSTDICV040	ICVBF071725	BF143148.D	17 Jul 2025 15:06		RC/JU	Ok,M
12	PB168813BL	PB168813BL	BF143149.D	17 Jul 2025 15:36		RC/JU	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	BF143150.D	17 Jul 2025 16:06	MDL-SOIL 4 ppm	RC/JU	Ok,M
14	Q2126-03	MDL-SOIL-03-QT2-202	BF143151.D	17 Jul 2025 16:36	MDL-SOIL 8 ppm	RC/JU	Ok,M
15	Q2126-09	MDL-WATER-03-QT2-2	BF143152.D	17 Jul 2025 17:07	MDL-WATER 4 ppm	RC/JU	Ok,M
16	Q2126-09	MDL-WATER-03-QT2-2	BF143153.D	17 Jul 2025 17:37	MDL-WATER 8 ppm	RC/JU	Ok,M
17	PB168816BL	PB168816BL	BF143154.D	17 Jul 2025 18:07		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB167904BL	PB167904BL	BF143155.D	17 Jul 2025 18:37		RC/JU	Ok
19	PB167904BS	PB167904BS	BF143156.D	17 Jul 2025 19:07		RC/JU	Ok,M
20	SSTDCCC040	SSTDCCC040EC	BF143157.D	17 Jul 2025 19:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071825

Review By	Review On
Supervise By	Supervise On
SubDirectory	BF071825
HP Acquire Method	BNA_F
HP Processing Method	bf071725
STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143158.D	18 Jul 2025 10:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143159.D	18 Jul 2025 11:24		RC/JU	Ok,NR
3	PB168737BL	PB168737BL	BF143160.D	18 Jul 2025 11:54		RC/JU	Ok
4	PB168854BS	PB168854BS	BF143161.D	18 Jul 2025 12:23		RC/JU	Ok,NR
5	PB168904BS	PB168904BS	BF143162.D	18 Jul 2025 12:53		RC/JU	Ok,NR
6	PB168904BSD	PB168904BSD	BF143163.D	18 Jul 2025 13:22		RC/JU	Ok,NR
7	PB168904BL	PB168904BL	BF143164.D	18 Jul 2025 13:52		RC/JU	Ok
8	Q2585-04	EFF-WW	BF143165.D	18 Jul 2025 14:25	Surrogate and Internal standard fail	RC/JU	Ok
9	Q2594-01	CC-071325-RW	BF143166.D	18 Jul 2025 14:54	Surrogate fail.	RC/JU	Ok

M : Manual Integration

SOP ID: M625.1-BNA-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 07/17/2025

Extraction Start Time : 08:39

Extraction End Date : 07/17/2025

Extraction End Time : 13:40

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100 PPM	SP6759
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	E3954
Baked Na2SO4	N/A	EP2625
10N NaOH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
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# 2210443. pH Adjusted <2 with 1:1 H2SO4 & >11 with 10N NaOH.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/17/25	RS (B4 Lab)	RC/eva
13:45	Preparation Group	Analysis Group

Analytical Method: M625.1-BNA-21

Concentration Date: 07/17/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168904BL	SBLK904	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168904BS	SLCS904	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168904BS D	SLCSD904	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2585-04	EFF-WW	SVOCMS Group1	950	6	RUPESH	ritesh	1	C		4
Q2594-01	CC-071325-RW	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	D		5

RS
7/17

* Extracts relinquished on the same date as received.

168904
625.1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2585 WorkList ID : 190795 Department : Extraction Date : 07-17-2025 08:31:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2585-04	EFF-WW	Water	SVOCMS Group1	Cool 4 deg C	ARDM01	D41	07/11/2025	625.1
Q2594-01	CC-071325-RW	Water	SVOC-TCL BNA -20	Cool 4 deg C	ENV160	O42	07/14/2025	625.1

Date/Time 7/17/25 8:32
Raw Sample Received by: RJ (PA Lab)
Raw Sample Relinquished by: CJP Sun

Date/Time 7/17/25 9:05
Raw Sample Received by: CJP Sun
Raw Sample Relinquished by: RJ (PA Lab)



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Ardmore Inc
ADDRESS: 29 Riverside Ave Bldg #14
CITY: Newark NJ STATE: ZIP:
ATTENTION: Michael Sharphouse
PHONE: 973 481 2406 FAX:

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

BILL TO: PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): STANDARD DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. VOA 2. CN 3. SUOA 4. BOD/ISS 5. METALS 6. 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	EFF WW	WW		X	7/11/25	10:35		X	X									
2.	EFF WW	WW	X		7/11/25	10:35				X	X	X						
3.																		
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>Michael Sharphouse</u>	DATE/TIME: <u>7-11-2025 11:38</u>	RECEIVED BY: <u>R. G.</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>1.8</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: <u>Metals Lead-Zinc</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2585 ARDM01

Order Date : 7/11/2025 12:48:00 PM

Project Mgr : Yazmeen

Client Name : Ardmore Chemical

Project Name : PVSC Monthly 2025

Report Type : Level 1

Client Contact : Michael Sharphouse

Receive DateTime : 7/11/2025 11:38:00 AM

EDD Type : NONE

Invoice Name : Ardmore Chemical

Purchase Order :

Hard Copy Date :

Invoice Contact : Michael Sharphouse

Date Signoff : 7/11/2025 1:54:05 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2585-01	EFF-WW	Water	07/11/2025	10:35	VOC-PP		624.1		10 Bus. Days

Relinquished By : el

Date / Time : 7-11-25

12:15

Received By : Sam

Date / Time : 7-11-25

Storage Area : VOA Refridgerator Room

12:15