

Cover Page

Order ID : Q2234

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q2234-01
Q2234-02
Q2234-03
Q2234-04
Q2234-05
Q2234-06
Q2234-07
Q2234-08
Q2234-09
Q2234-10
Q2234-11
Q2234-12
Q2234-13

Client Sample Number

MW-17B-55-060425
Q2234-01MS
Q2234-01MSD
MW-17B-55-060425-SIM
MW-18B-56-060425
MW-18B-56-060425-FD
MW-19B-72-060425
MW-17B-55-060425
Q2234-08MS
Q2234-08MSD
MW-18B-56-060425
MW-18B-56-060425-FD
MW-19B-72-060425

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: 6/13/2025

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 #: Q2234

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: 06/13/2025

LAB CHRONICLE

OrderID:	Q2234	OrderDate:	6/5/2025 10:52:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2234-01	MW-17B-55-060425	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-05	MW-18B-56-060425	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-06	MW-18B-56-060425-F D	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-07	MW-19B-72-060425	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-07DL	MW-19B-72-060425D L	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	



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Hit Summary Sheet SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-17B-55-060425							
Q2234-01	MW-17B-55-060425	WATER	1,4-Dioxane	2.700		0.07	0.2	ug/L
			Total Svoc :			2.70		
			Total Concentration:			2.70		
Client ID :	MW-18B-56-060425							
Q2234-05	MW-18B-56-060425	WATER	1,4-Dioxane	3.100		0.07	0.21	ug/L
			Total Svoc :			3.10		
			Total Concentration:			3.10		
Client ID :	MW-18B-56-060425-FD							
Q2234-06	MW-18B-56-060425-FD	WATER	1,4-Dioxane	3.300		0.07	0.2	ug/L
			Total Svoc :			3.30		
			Total Concentration:			3.30		
Client ID :	MW-19B-72-060425							
Q2234-07	MW-19B-72-060425	WATER	1,4-Dioxane	5.600	E	0.07	0.2	ug/L
			Total Svoc :			5.60		
			Total Concentration:			5.60		
Client ID :	MW-19B-72-060425DL							
Q2234-07DL	MW-19B-72-060425DL	WATER	1,4-Dioxane	6.200	D	0.13	0.41	ug/L
			Total Svoc :			6.20		
			Total Concentration:			6.20		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168336BL	PB168336BL	2-Methylnaphthalene-d10	0.4	0.36	91		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.40	99		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	92		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.40	101		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.42	105		30 (54)	130 (175)
PB168336BS	PB168336BS	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.30	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	95		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.38	95		30 (54)	130 (175)
Q2234-01	MW-17B-55-060425	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	104		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.41	101		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.42	105		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.55	137	*	30 (54)	130 (175)
Q2234-05	MW-18B-56-060425	2-Methylnaphthalene-d10	0.4	0.37	93		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.46	115		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	104		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.43	106		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
Q2234-06	MW-18B-56-060425-FD	2-Methylnaphthalene-d10	0.4	0.38	95		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.43	108		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	105		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.46	114		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.49	122		30 (54)	130 (175)
Q2234-07	MW-19B-72-060425	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	105		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.41	103		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.41	103		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.63	156	*	30 (54)	130 (175)
Q2234-07DL	MW-19B-72-060425DL	2-Methylnaphthalene-d10	0.4	0.41	101		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.43	108		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	104		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.44	110		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.62	154	*	30 (54)	130 (175)
Q2250-02MS	MW-11A-13.5-060525MS	2-Methylnaphthalene-d10	0.4	0.30	75		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	92		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.34	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	118		30 (54)	130 (175)
Q2250-03MSD	MW-11A-13.5-060525MSD	2-Methylnaphthalene-d10	0.4	0.30	75		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2250-02MS	Client Sample ID:	MW-11A-13.5-060525MS					DataFile:	BN037192.D		
1,4-Dioxane	0.42	2.50	3.20	ug/L	167	*			20 (10)	160 (175)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2250-03MSD	Client Sample ID:	MW-11A-13.5-060525MSD					DataFile:	BN037193.D		
1,4-Dioxane	0.4	2.50	3.30	ug/L	200	*	18		20 (10)	160 (175)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168336BS	1,4-Dioxane	0.4	0.40	ug/L	100				20 (65)	160 (116)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168336BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2234

SAS No.: Q2234 SDG NO.: Q2234

Lab File ID: BN037190.D

Lab Sample ID: PB168336BL

Instrument ID: BNA_N

Date Extracted: 06/06/2025

Matrix: (soil/water) Water

Date Analyzed: 06/09/2025

Level: (low/med) LOW

Time Analyzed: 11:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168336BS	PB168336BS	BN037201.D	06/09/2025
MW-17B-55-060425	Q2234-01	BN037206.D	06/10/2025
MW-18B-56-060425	Q2234-05	BN037207.D	06/10/2025
MW-18B-56-060425-FD	Q2234-06	BN037208.D	06/10/2025
MW-19B-72-060425	Q2234-07	BN037209.D	06/10/2025
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q2234SDG NO.: Q2234Lab File ID: BN037142.DDFTPP Injection Date: 06/03/2025Instrument ID: BNA_NDFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037143.D	06/03/2025	11:39
SSTDICC0.2	SSTDICC0.2	BN037144.D	06/03/2025	12:15
SSTDICCC0.4	SSTDICCC0.4	BN037145.D	06/03/2025	12:51
SSTDICC0.8	SSTDICC0.8	BN037146.D	06/03/2025	13:26
SSTDICC1.6	SSTDICC1.6	BN037147.D	06/03/2025	14:02
SSTDICC3.2	SSTDICC3.2	BN037148.D	06/03/2025	14:38
SSTDICC5.0	SSTDICC5.0	BN037149.D	06/03/2025	15:14



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q2234 SDG NO.: Q2234Lab File ID: BN037188.DDFTPP Injection Date: 06/09/2025Instrument ID: BNA_NDFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	59.6
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	53
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	8.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.5 (18.5) 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
SSTDCCC0.4	SSTDCCC0.4	BN037189.D	06/09/2025	10:54
PB168336BL	PB168336BL	BN037190.D	06/09/2025	11:30
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025	14:33
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025	15:47
PB168336BS	PB168336BS	BN037201.D	06/09/2025	20:40



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q2234 SDG NO.: Q2234Lab File ID: BN037203.DDFTPP Injection Date: 06/09/2025Instrument ID: BNA_NDFTPP Injection Time: 22:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	79.8
68	Less than 2.0% of mass 69	1 (1.5) 1
69	Mass 69 relative abundance	65.5
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	56.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.6 (20.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037204.D	06/09/2025	23:11
MW-17B-55-060425	Q2234-01	BN037206.D	06/10/2025	00:24
MW-18B-56-060425	Q2234-05	BN037207.D	06/10/2025	01:00
MW-18B-56-060425-FD	Q2234-06	BN037208.D	06/10/2025	01:36
MW-19B-72-060425	Q2234-07	BN037209.D	06/10/2025	02:12
MW-19B-72-060425DL	Q2234-07DL	BN037213.D	06/10/2025	09:49

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	2093	7.589	5342	10.36	2894	14.24
UPPER LIMIT	4186	8.089	10684	10.862	5788	14.735
LOWER LIMIT	1046.5	7.089	2671	9.862	1447	13.735
EPA SAMPLE NO.						
01 PB168336BL	1816	7.59	4227	10.37	2101	14.25
02 MW-11A-13.5-060525MS	2144	7.59	5670	10.36	2991	14.23
03 MW-11A-13.5-060525MSD	2169	7.59	5646	10.36	2926	14.24
04 PB168336BS	2227	7.59	5466	10.36	2607	14.23

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	5308	16.984	3516	21.18	3185	23.377
UPPER LIMIT	10616	17.484	7032	21.68	6370	23.877
LOWER LIMIT	2654	16.484	1758	20.68	1592.5	22.877
EPA SAMPLE NO.						
01 PB168336BL	3500	17.00	2446	21.19	2291	23.39
02 MW-11A-13.5-060525MS	5389	16.98	3448	21.19	3177	23.38
03 MW-11A-13.5-060525MSD	5139	16.98	3419	21.18	3336	23.37
04 PB168336BS	4253	16.98	2468	21.19	2373	23.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037204.D Time Analyzed: 23:11

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1688	7.589	4447	10.37	2457	14.23
UPPER LIMIT	3376	8.089	8894	10.872	4914	14.734
LOWER LIMIT	844	7.089	2223.5	9.872	1228.5	13.734
EPA SAMPLE NO.						
01 MW-18B-56-060425	1612	7.59	4076	10.36	2065	14.24
02 MW-18B-56-060425-FD	1777	7.59	4601	10.36	2273	14.23
03 MW-19B-72-060425	2075	7.59	5375	10.36	3061	14.23
04 MW-19B-72-060425DL	1883	7.58	4807	10.36	2597	14.24
05 MW-17B-55-060425	1414	7.59	3747	10.37	2035	14.24

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037204.D Time Analyzed: 23:11

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	4471	16.984	2829	21.18	2684	23.377
UPPER LIMIT	8942	17.484	5658	21.68	5368	23.877
LOWER LIMIT	2235.5	16.484	1414.5	20.68	1342	22.877
EPA SAMPLE NO.						
01 MW-18B-56-060425	4042	16.98	3508	21.18	3584	23.38
02 MW-18B-56-060425-FD	4128	16.98	3296	21.18	3376	23.38
03 MW-19B-72-060425	5755	16.98	3593	21.18	3061	23.37
04 MW-19B-72-060425DL	4389	16.98	2810	21.19	2751	23.38
05 MW-17B-55-060425	3650	16.98	2308	21.19	2201	23.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-17B-55-060425	SDG No.:	Q2234
Lab Sample ID:	Q2234-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037206.D	1	06/06/25 11:54	06/10/25 00:24	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	2.70		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		30 (27) - 130 (154)	101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		30 (30) - 130 (155)	105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	30 (54) - 130 (175)	137%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1410	7.589			
1146-65-2	Naphthalene-d8	3750	10.372			
15067-26-2	Acenaphthene-d10	2040	14.235			
1517-22-2	Phenanthrene-d10	3650	16.984			
1719-03-5	Chrysene-d12	2310	21.189			
1520-96-3	Perylene-d12	2200	23.377			

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_N\Data\BN060925\
 Data File : BN037206.D
 Acq On : 10 Jun 2025 00:24
 Operator : RC/JU
 Sample : Q2234-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-17B-55-060425

Quant Time: Jun 10 04:05:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

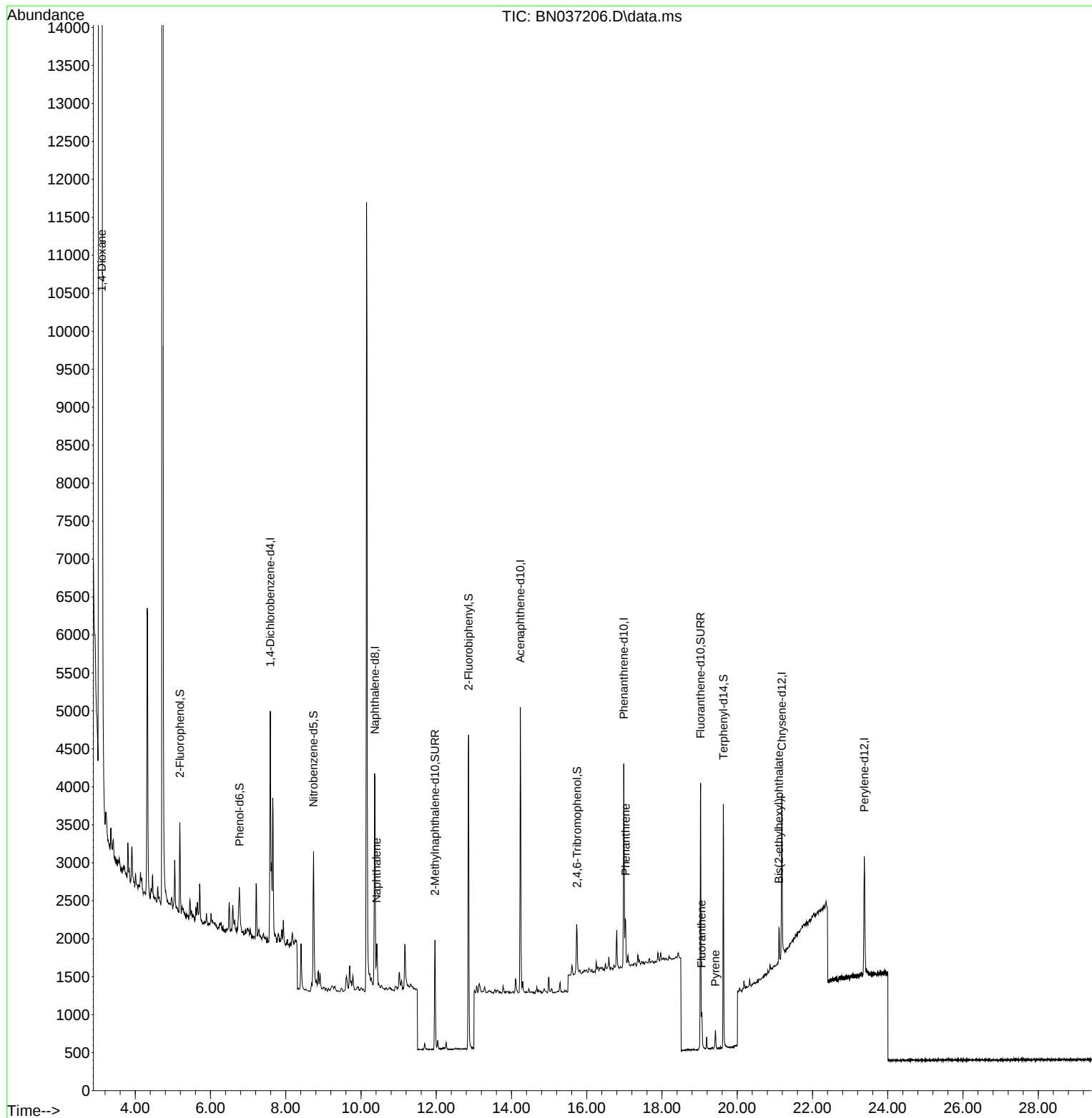
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1414	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	3747	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2035	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	3650	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2308	0.400	ng	0.00
35) Perylene-d12	23.377	264	2201	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	726	0.208	ng	0.00
5) Phenol-d6	6.773	99	507	0.120	ng	0.00
8) Nitrobenzene-d5	8.739	82	1600	0.405	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2023	0.388	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	390	0.476	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3663	0.422	ng	0.00
27) Fluoranthene-d10	19.026	212	3879	0.418	ng	0.00
31) Terphenyl-d14	19.630	244	2970	0.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	4959	2.631	ng	92
9) Naphthalene	10.415	128	389	0.036	ng	# 65
25) Phenanthrene	17.033	178	719	0.061	ng	96
28) Fluoranthene	19.054	202	305	0.023	ng	# 71
30) Pyrene	19.421	202	241	0.021	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.108	149	484	0.092	ng	# 96

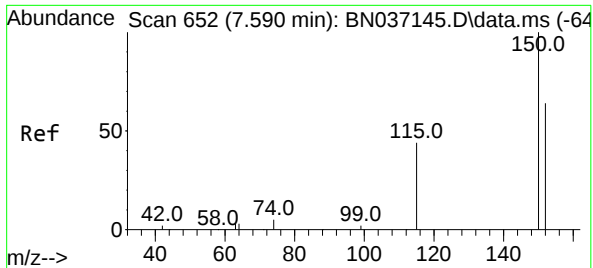
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037206.D
Acq On : 10 Jun 2025 00:24
Operator : RC/JU
Sample : Q2234-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

Quant Time: Jun 10 04:05:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

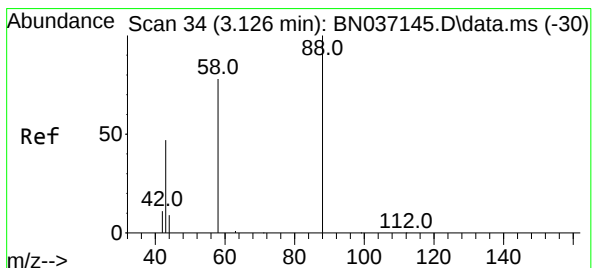
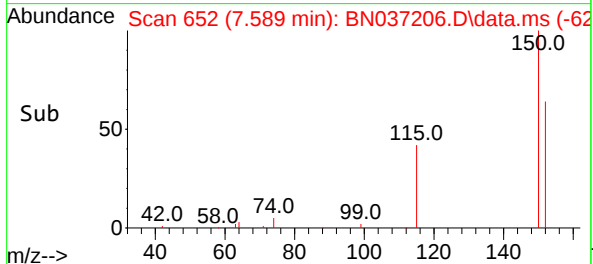
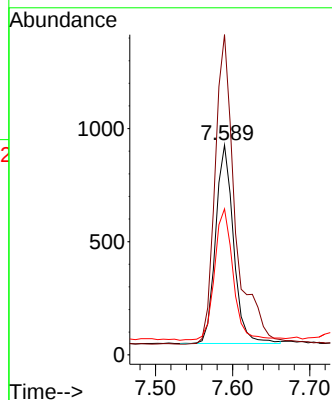
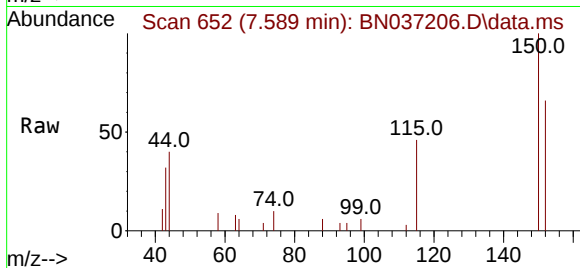




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

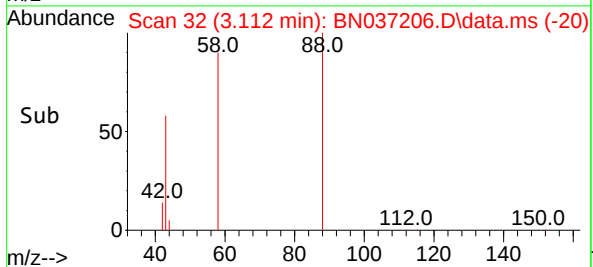
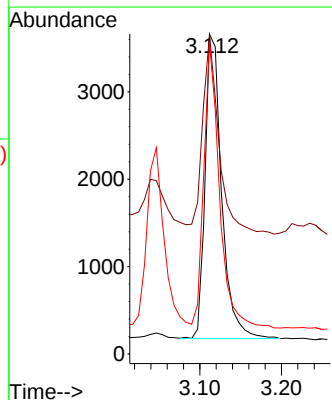
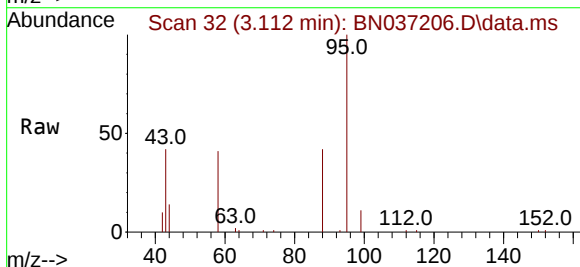
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

Tgt Ion:152 Resp: 1414
Ion Ratio Lower Upper
152 100
150 152.6 123.2 184.8
115 69.6 56.6 85.0

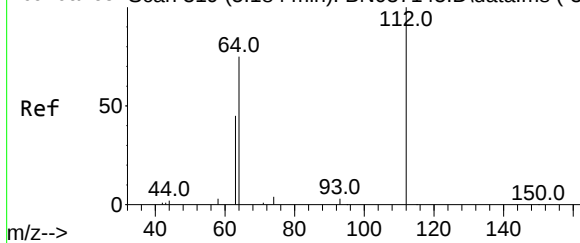


#2
1,4-Dioxane
Concen: 2.631 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

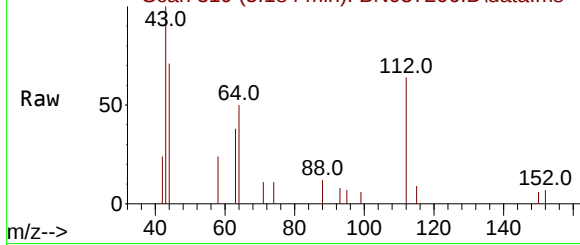
Tgt Ion: 88 Resp: 4959
Ion Ratio Lower Upper
88 100
43 64.9 43.5 65.3
58 88.1 67.7 101.5



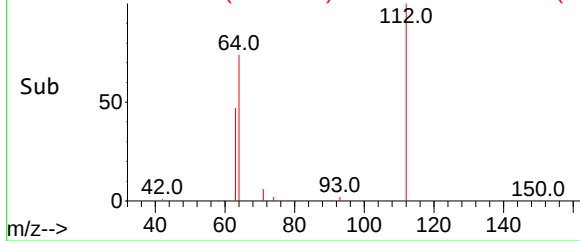
Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



Abundance Scan 319 (5.184 min): BN037206.D\data.ms



Abundance Scan 319 (5.184 min): BN037206.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.208 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

Instrument :

BNA_N

ClientSampleId :

MW-17B-55-060425

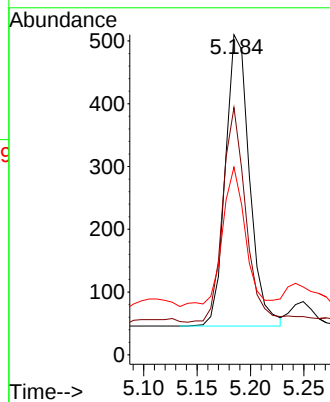
Tgt Ion:112 Resp: 726

Ion Ratio Lower Upper

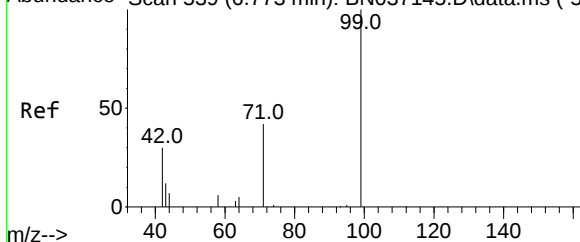
112 100

64 73.7 56.3 84.5

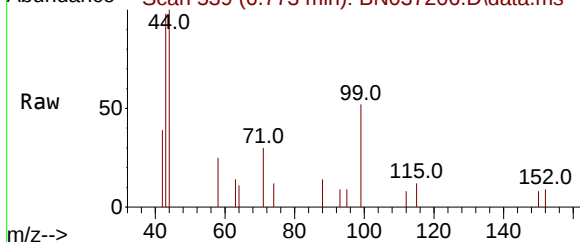
63 45.6 36.2 54.4



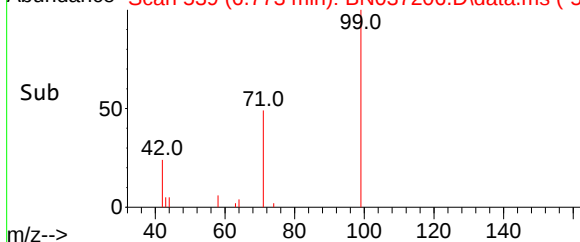
Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



Abundance Scan 539 (6.773 min): BN037206.D\data.ms



Abundance Scan 539 (6.773 min): BN037206.D\data.ms (-51



#5

Phenol-d6

Concen: 0.120 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

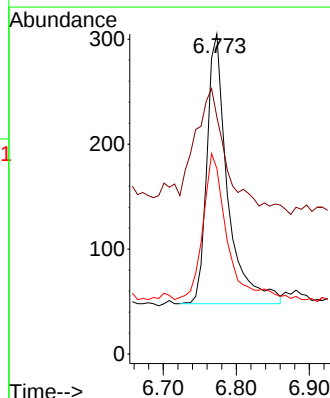
Tgt Ion: 99 Resp: 507

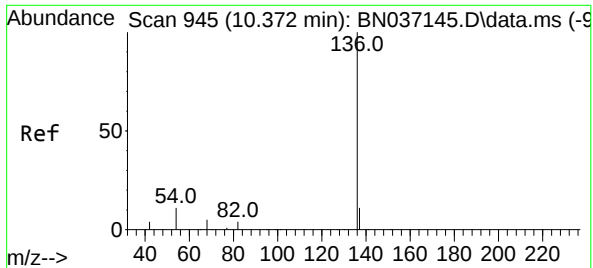
Ion Ratio Lower Upper

99 100

42 83.4 31.3 46.9#

71 62.5 38.2 57.2#

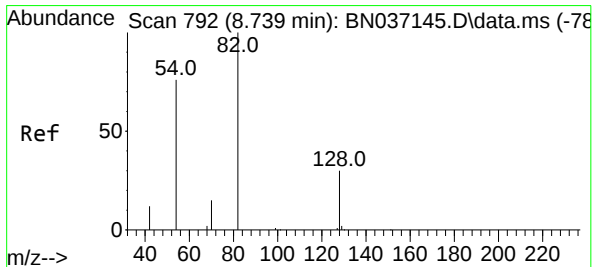
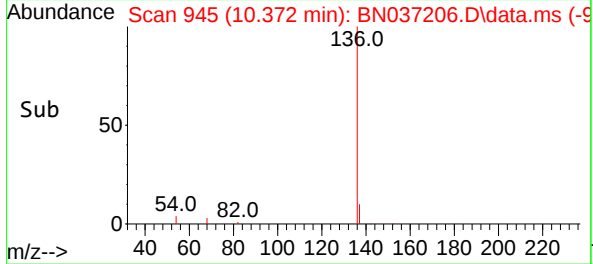
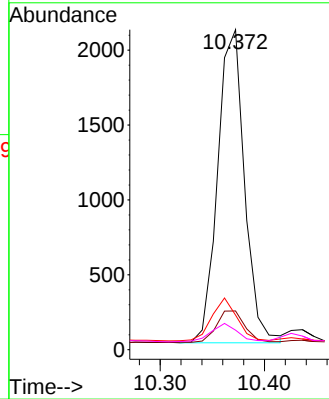
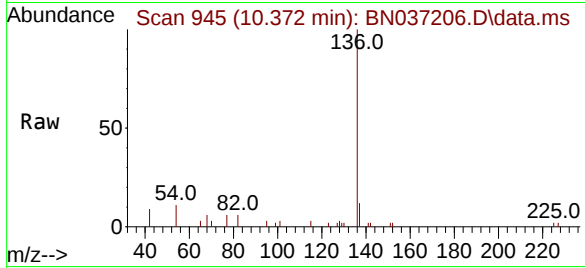




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

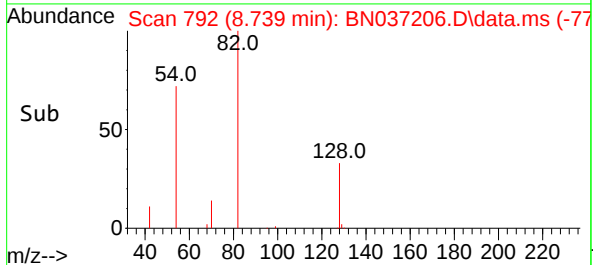
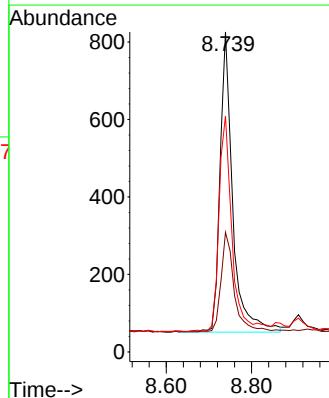
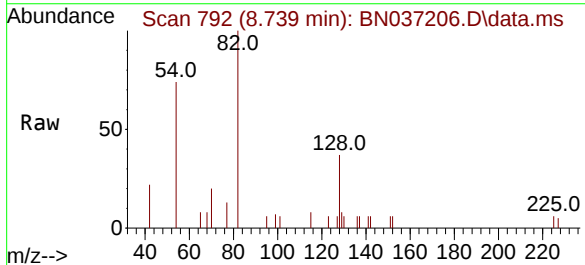
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

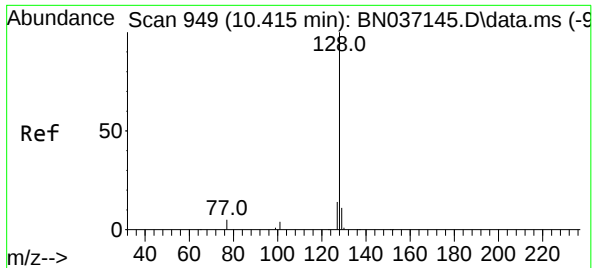
Tgt Ion:	136	Resp:	3747
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	10.8	9.7	14.5
68	6.1	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	82	Resp:	1600
Ion	Ratio	Lower	Upper
82	100		
128	37.4	26.9	40.3
54	73.7	61.4	92.2

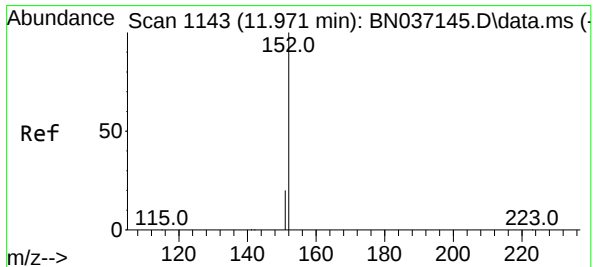
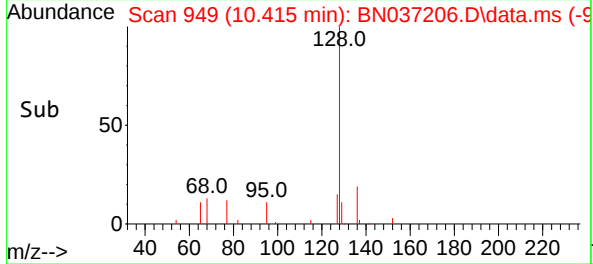
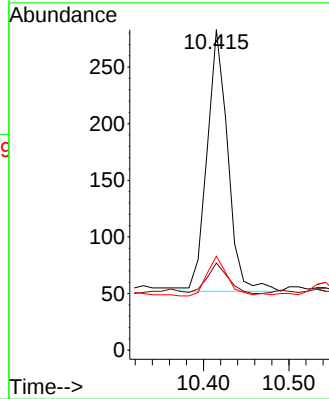
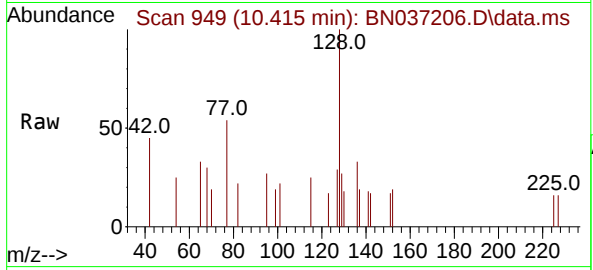




#9
Naphthalene
Concen: 0.036 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

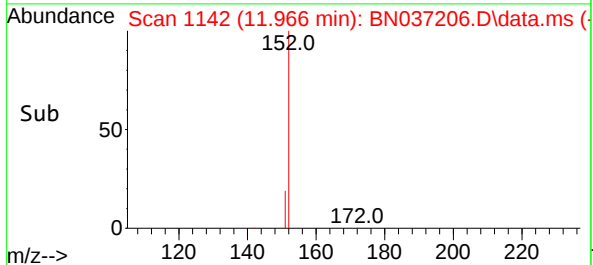
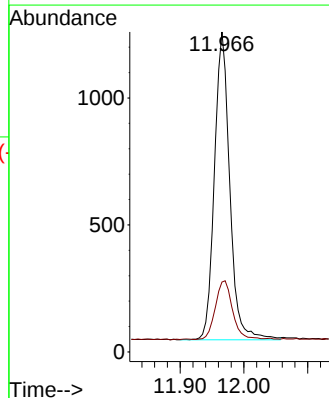
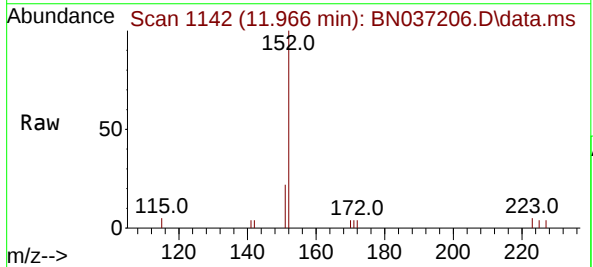
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

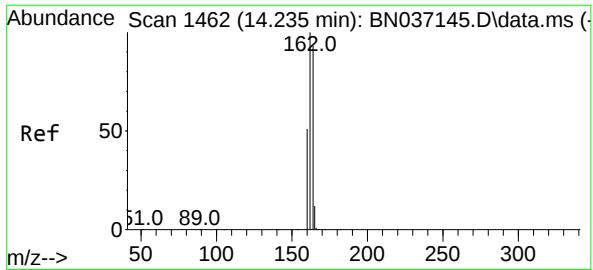
Tgt Ion	128	129	127
Resp:	389		
Ratio	100	27.2	29.3
Lower		9.8	12.3
Upper		14.8#	18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion	152	151
Resp:	2023	
Ratio	100	21.4
Lower		17.1
Upper		25.7

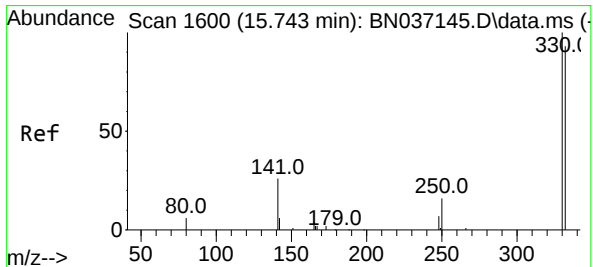
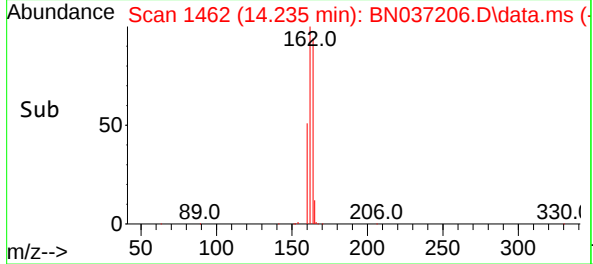
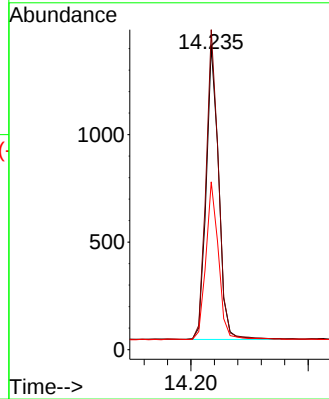
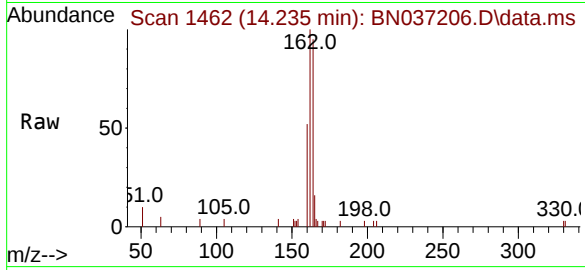




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

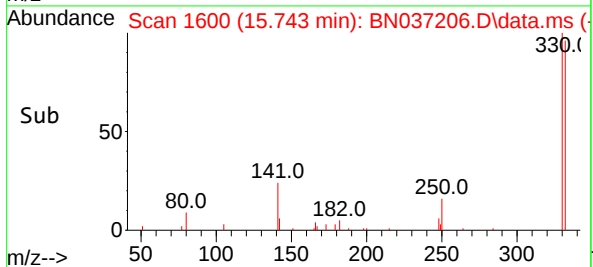
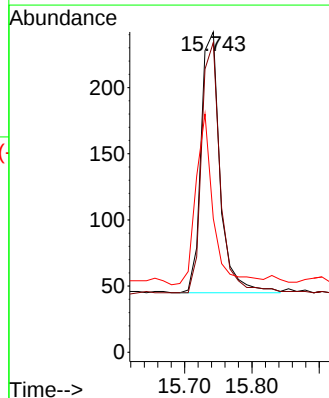
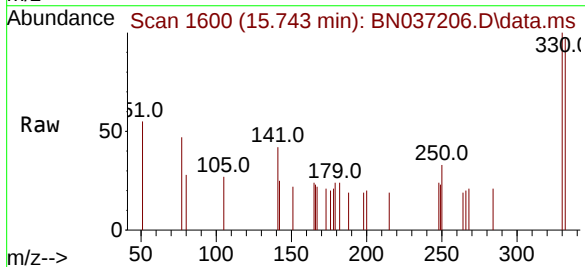
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

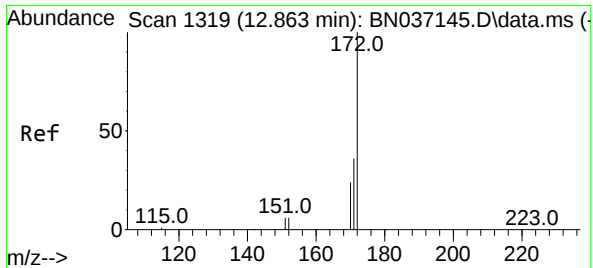
Tgt Ion:164 Resp: 2035
Ion Ratio Lower Upper
164 100
162 105.5 85.5 128.3
160 55.3 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.476 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:330 Resp: 390
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 60.5 46.4 69.6

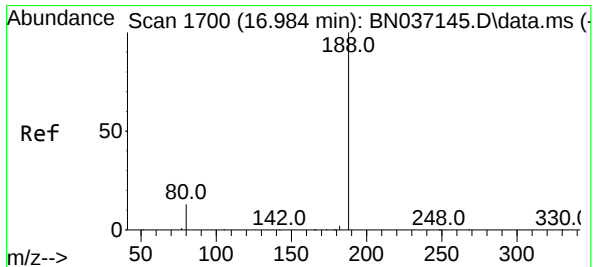
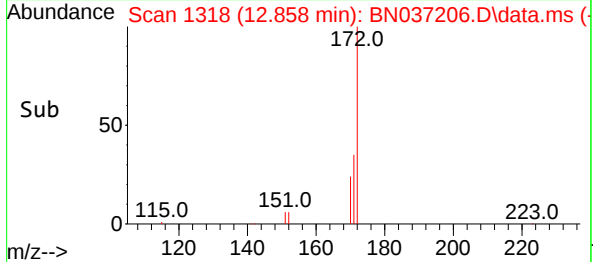
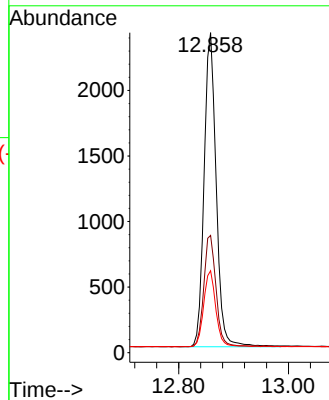
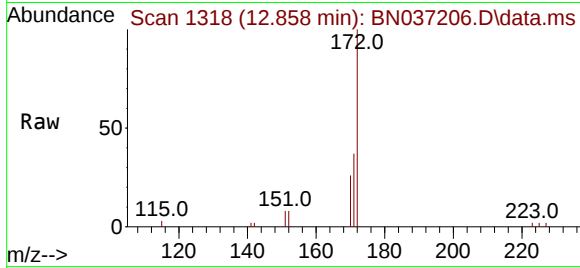




#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 12.858 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

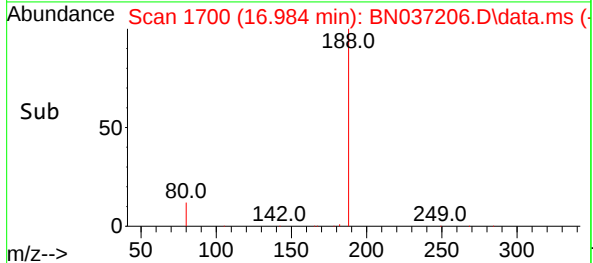
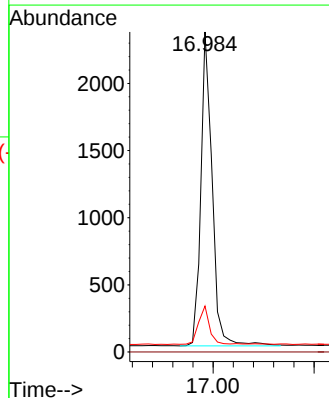
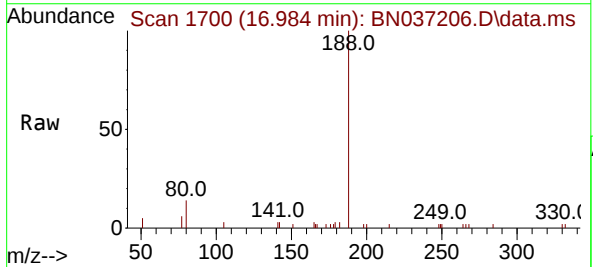
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

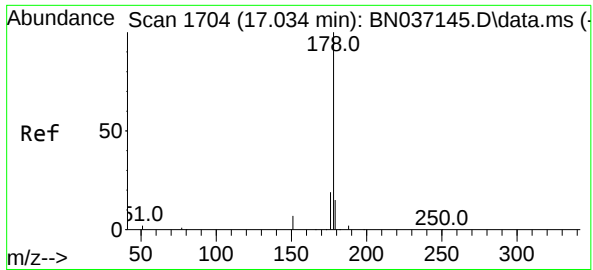
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	25.6	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.4	11.3	16.9

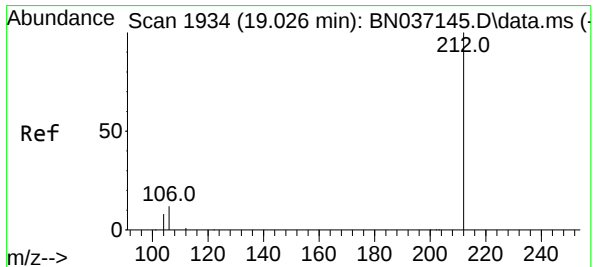
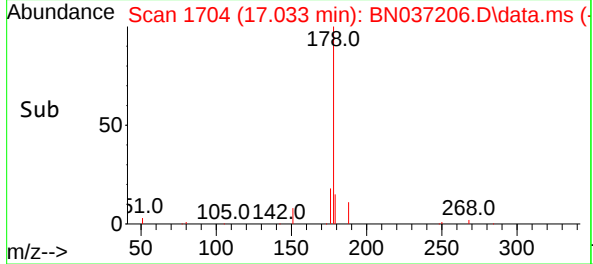
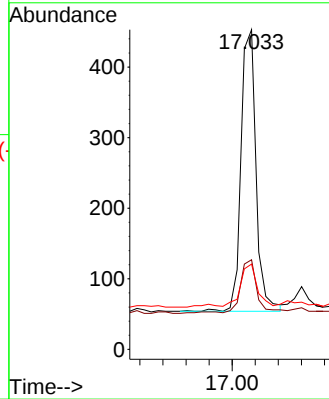
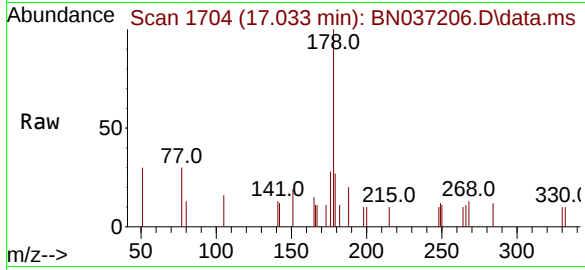




#25
Phenanthrene
Concen: 0.061 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

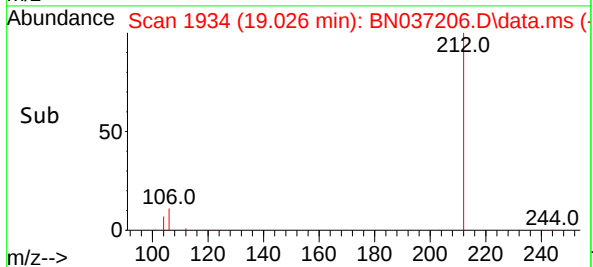
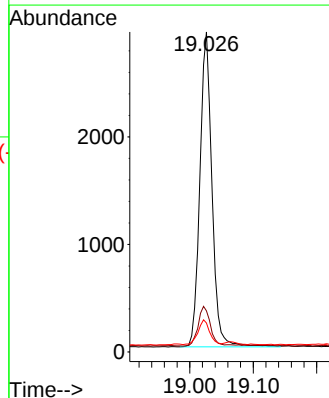
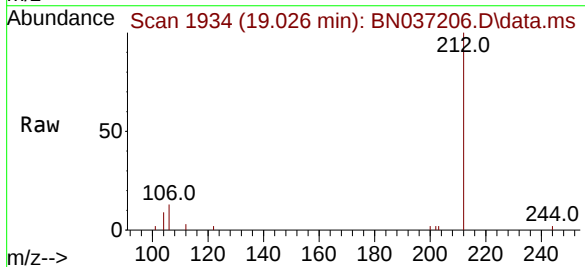
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

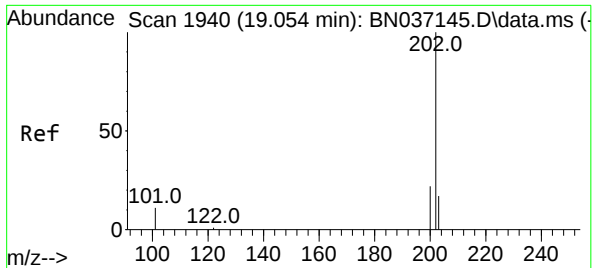
Tgt Ion:	178	Resp:	719
Ion	Ratio	Lower	Upper
178	100		
176	22.1	15.7	23.5
179	16.6	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	212	Resp:	3879
Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.6	15.8
104	7.7	6.6	9.8

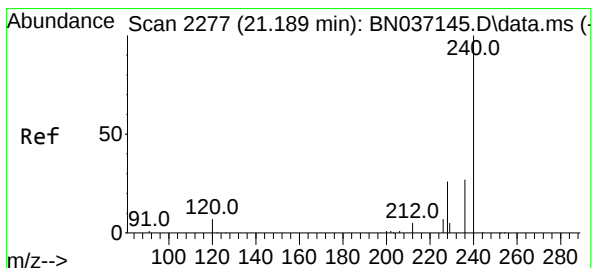
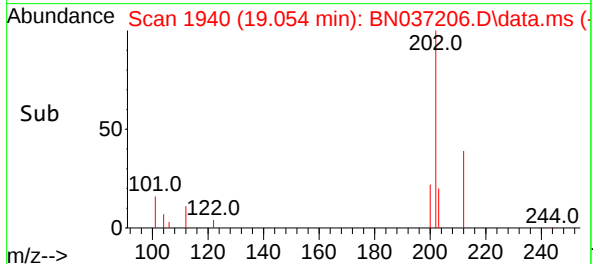
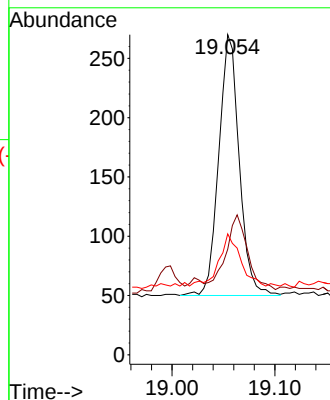
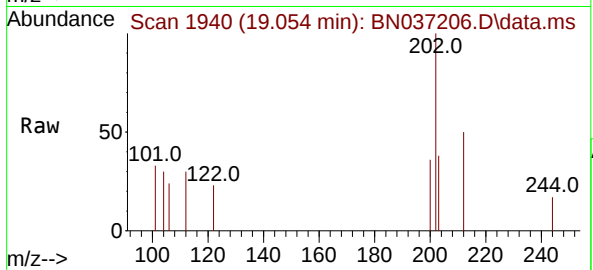




#28
Fluoranthene
Concen: 0.023 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

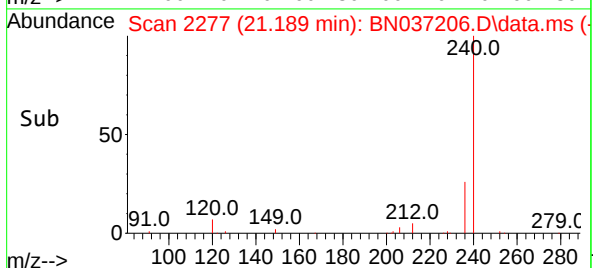
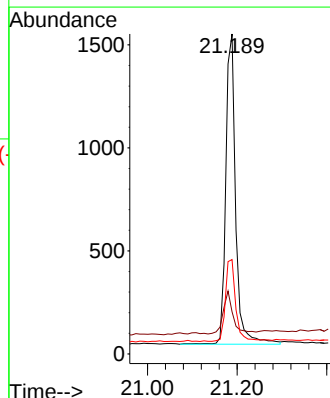
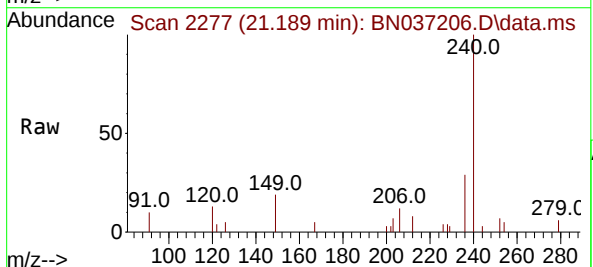
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

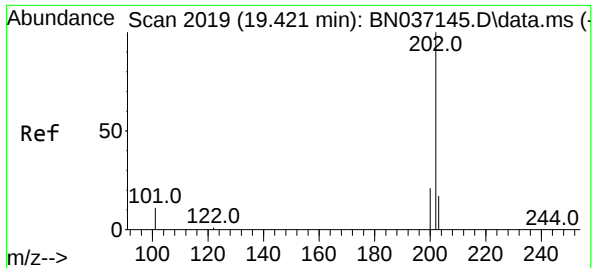
Tgt Ion:202 Resp: 305
Ion Ratio Lower Upper
202 100
101 31.8 8.7 13.1#
203 22.0 13.5 20.3#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:240 Resp: 2308
Ion Ratio Lower Upper
240 100
120 13.2 9.0 13.4
236 29.5 23.0 34.4

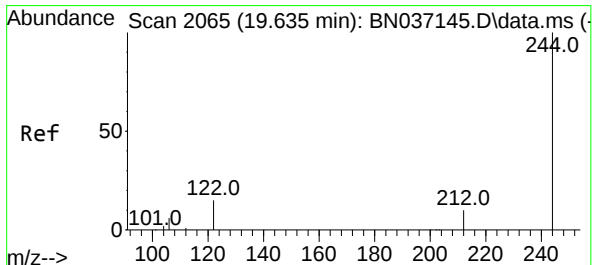
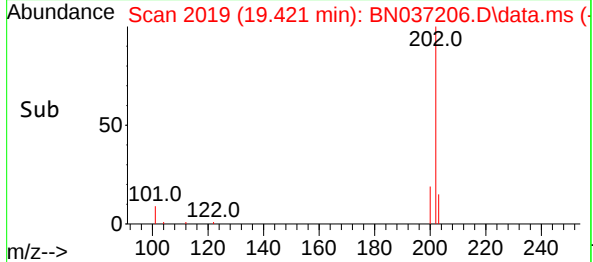
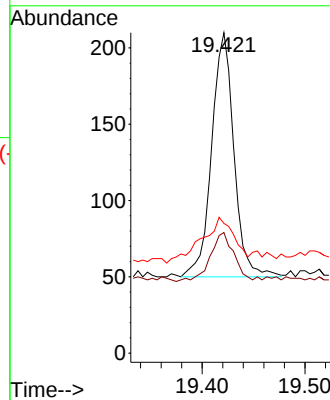
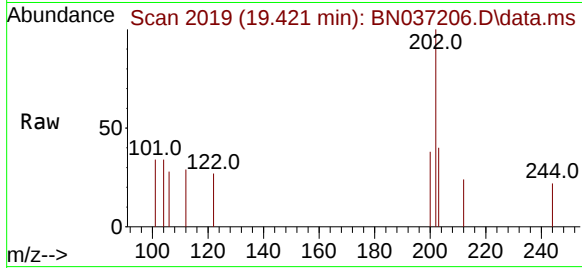




#30
Pyrene
Concen: 0.021 ng
RT: 19.421 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

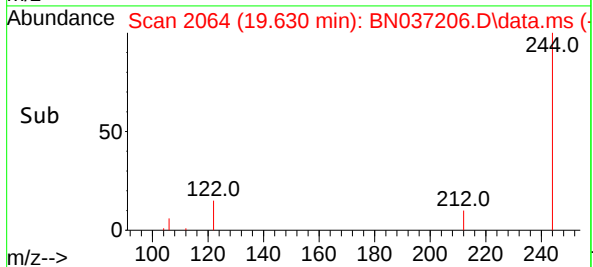
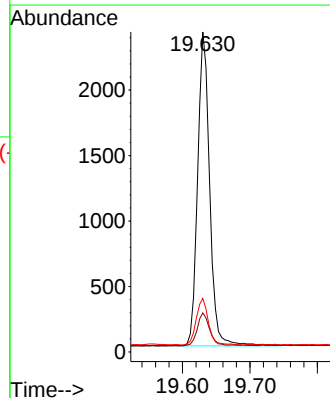
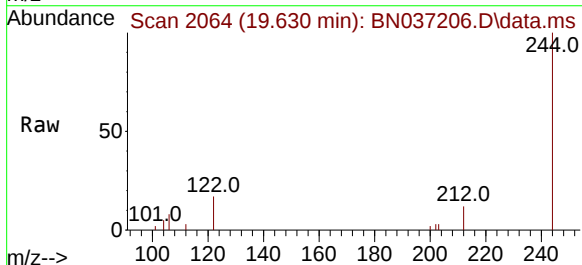
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

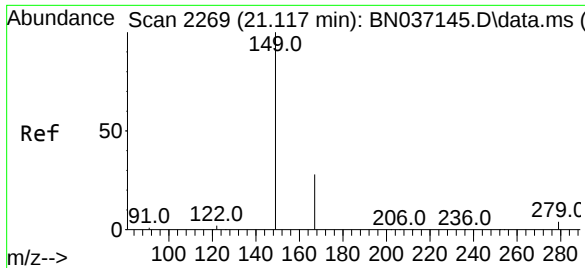
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	27.4	14.2	21.4



#31
Terphenyl-d14
Concen: 0.547 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.2	10.0	15.0
122	16.8	13.2	19.8

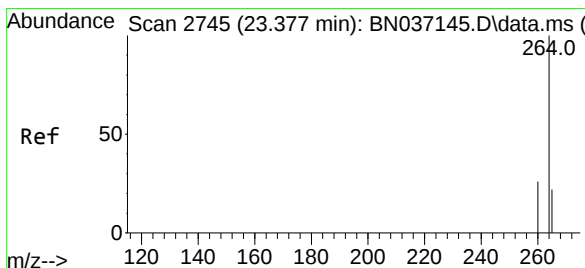
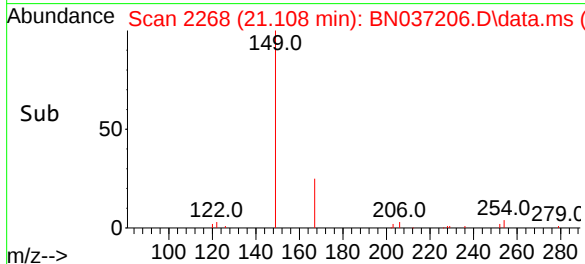
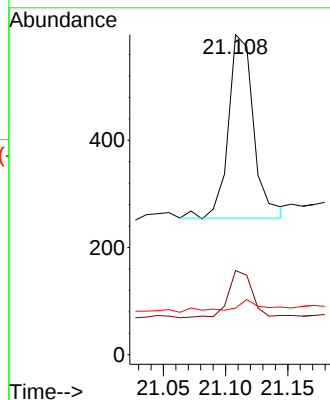
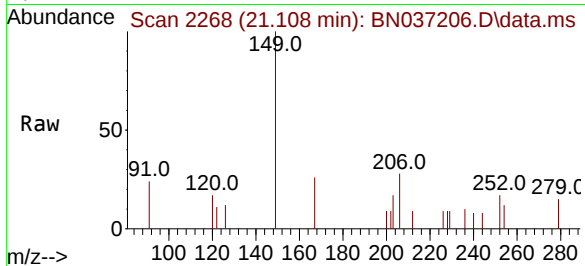




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.092 ng
RT: 21.108 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

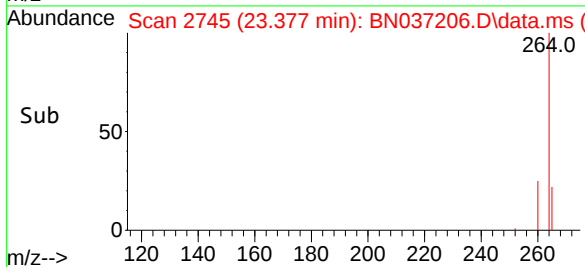
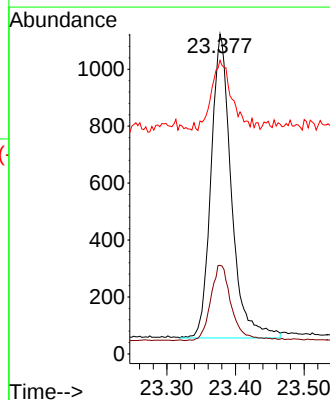
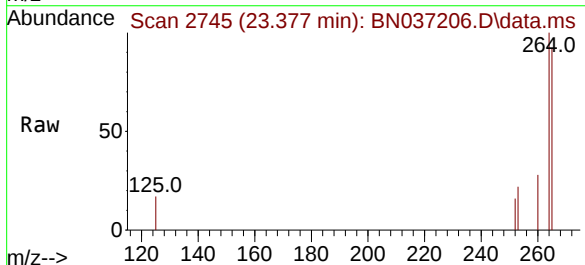
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

Tgt Ion:149 Resp: 484
Ion Ratio Lower Upper
149 100
167 24.4 21.0 31.4
279 5.4 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:264 Resp: 2201
Ion Ratio Lower Upper
264 100
260 27.7 22.1 33.1
265 91.7 55.8 83.8#



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425	SDG No.:	Q2234
Lab Sample ID:	Q2234-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037207.D	1	06/06/25 11:54	06/10/25 01:00	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.10		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (20) - 150 (139)	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 (54) - 150 (157)	115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		30 (27) - 130 (154)	104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43		30 (30) - 130 (155)	106%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		30 (54) - 130 (175)	108%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1610	7.589			
1146-65-2	Naphthalene-d8	4080	10.362			
15067-26-2	Acenaphthene-d10	2070	14.235			
1517-22-2	Phenanthrene-d10	4040	16.984			
1719-03-5	Chrysene-d12	3510	21.18			
1520-96-3	Perylene-d12	3580	23.377			

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_N\Data\BN060925\
 Data File : BN037207.D
 Acq On : 10 Jun 2025 01:00
 Operator : RC/JU
 Sample : Q2234-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

Quant Time: Jun 10 04:05:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

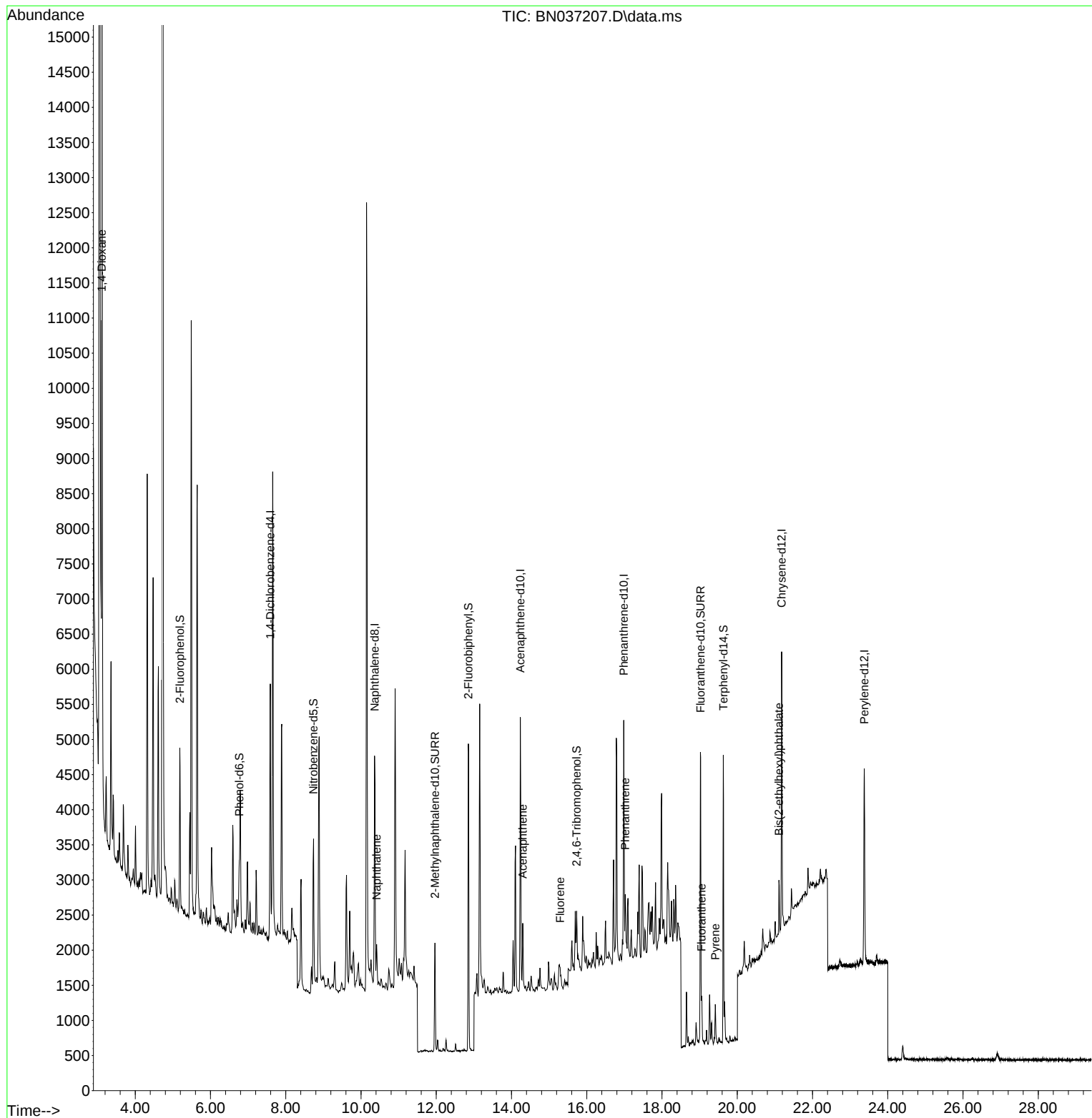
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1612	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4076	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2065	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4042	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3508	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3584	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	859	0.215	ng	0.00
5) Phenol-d6	6.766	99	670	0.139	ng	0.00
8) Nitrobenzene-d5	8.739	82	1794	0.417	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2119	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	407	0.490	ng	-0.01
15) 2-Fluorobiphenyl	12.853	172	3753	0.426	ng	-0.01
27) Fluoranthene-d10	19.026	212	4719	0.459	ng	0.00
31) Terphenyl-d14	19.630	244	3566	0.432	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	6378	2.968	ng	# 78
9) Naphthalene	10.415	128	623	0.053	ng	# 76
17) Acenaphthene	14.299	154	244	0.037	ng	98
18) Fluorene	15.293	166	176	0.020	ng	90
25) Phenanthrene	17.021	178	963	0.074	ng	96
28) Fluoranthene	19.054	202	509	0.035	ng	96
30) Pyrene	19.416	202	483	0.028	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.108	149	831	0.104	ng	# 99

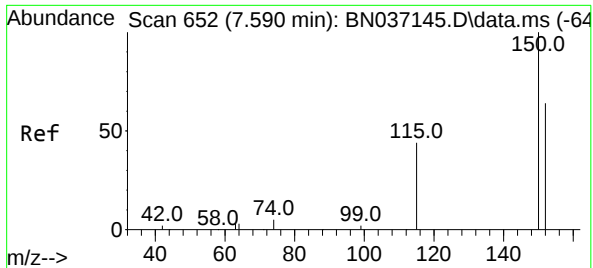
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037207.D
Acq On : 10 Jun 2025 01:00
Operator : RC/JU
Sample : Q2234-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

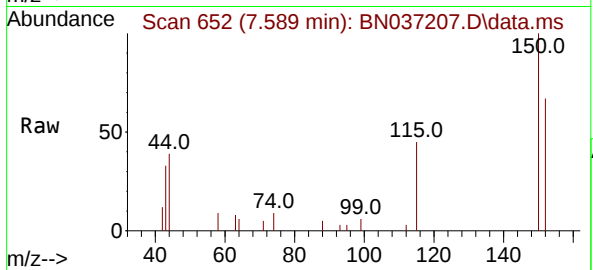
Quant Time: Jun 10 04:05:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



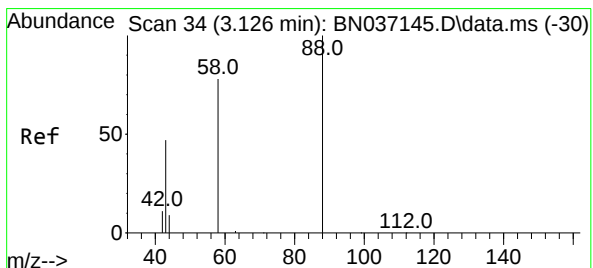
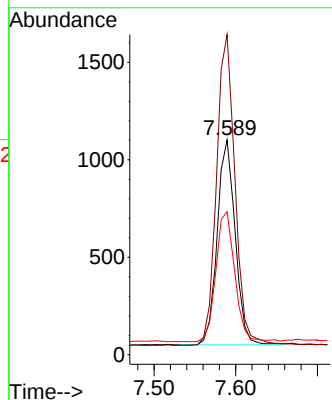
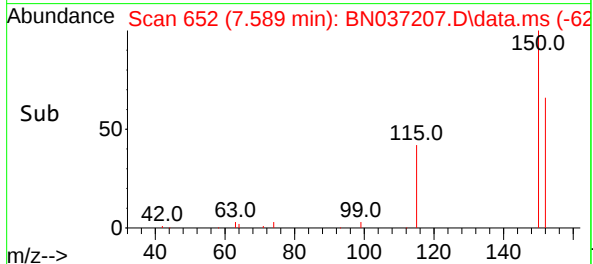


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

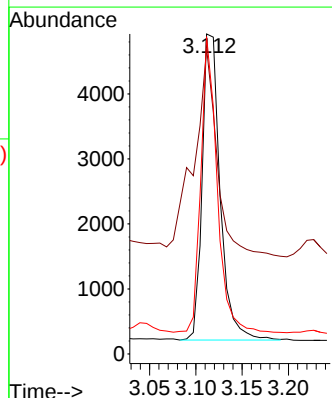
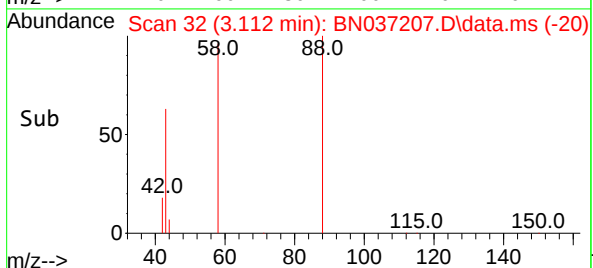
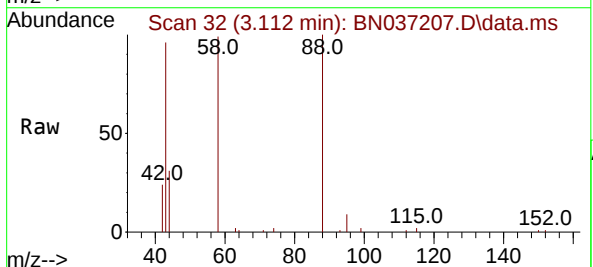


Tgt Ion: 152 Resp: 1612
Ion Ratio Lower Upper
152 100
150 149.0 123.2 184.8
115 66.6 56.6 85.0

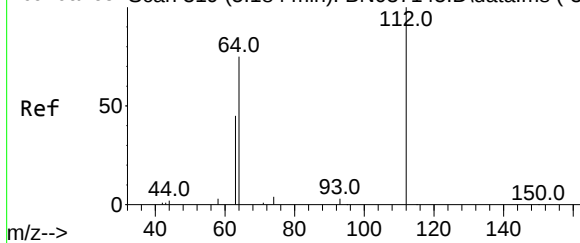


#2
1,4-Dioxane
Concen: 2.968 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion: 88 Resp: 6378
Ion Ratio Lower Upper
88 100
43 90.2 43.5 65.3#
58 87.7 67.7 101.5



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



#4

2-Fluorophenol

Concen: 0.215 ng

RT: 5.184 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

Tgt Ion:112 Resp: 859

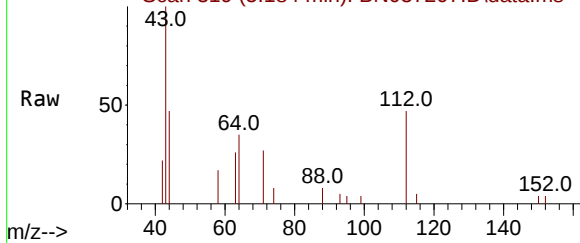
Ion Ratio Lower Upper

112 100

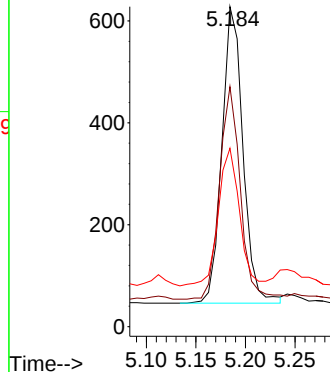
64 70.7 56.3 84.5

63 46.2 36.2 54.4

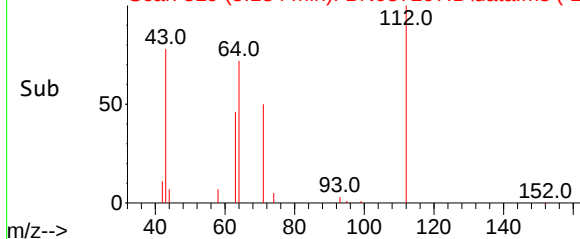
Abundance Scan 319 (5.184 min): BN037207.D\data.ms



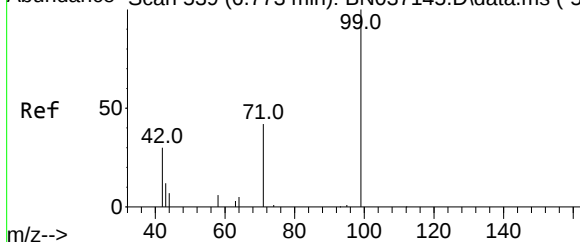
Abundance



Abundance Scan 319 (5.184 min): BN037207.D\data.ms (-29



Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



#5

Phenol-d6

Concen: 0.139 ng

RT: 6.766 min Scan# 538

Delta R.T. -0.007 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Tgt Ion: 99 Resp: 670

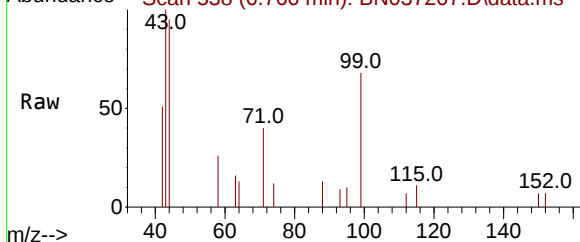
Ion Ratio Lower Upper

99 100

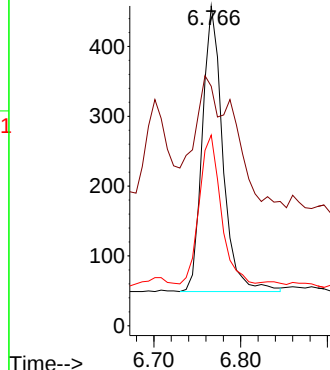
42 89.0 31.3 46.9#

71 55.5 38.2 57.2

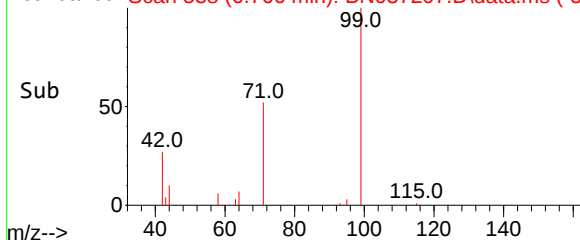
Abundance Scan 538 (6.766 min): BN037207.D\data.ms

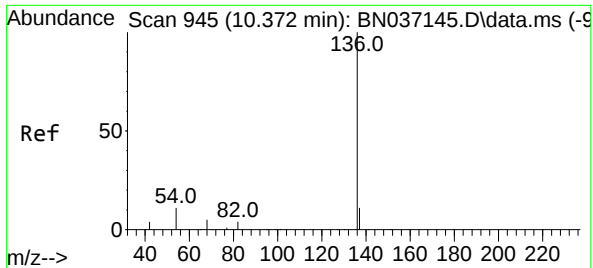


Abundance



Abundance Scan 538 (6.766 min): BN037207.D\data.ms (-51

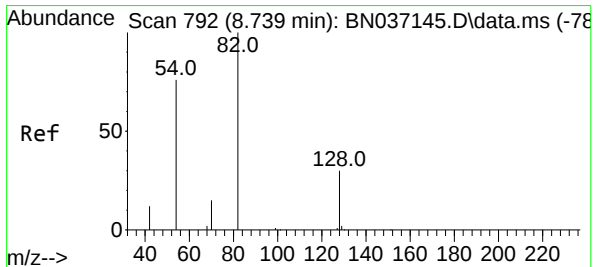
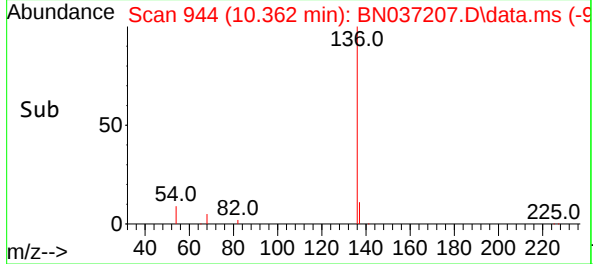
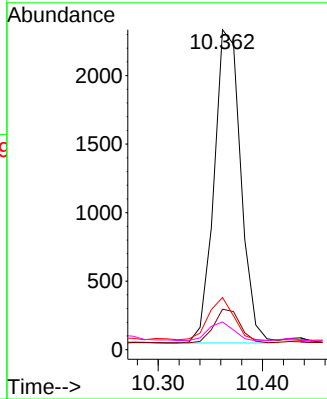
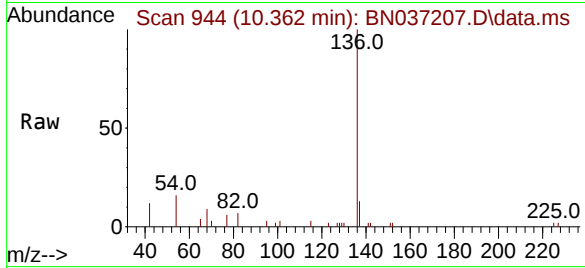




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

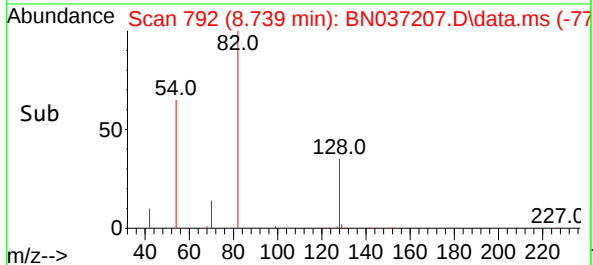
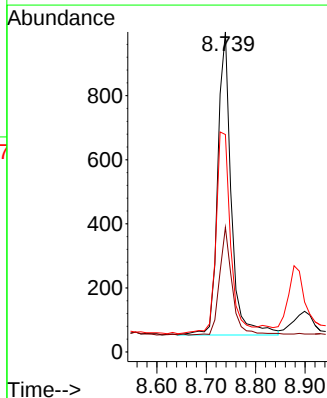
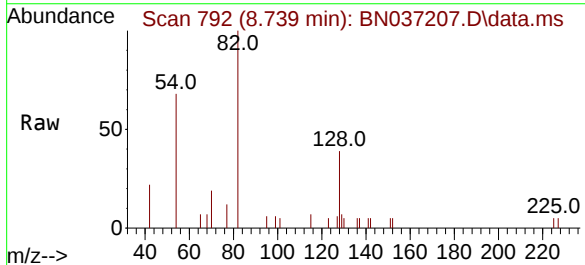
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

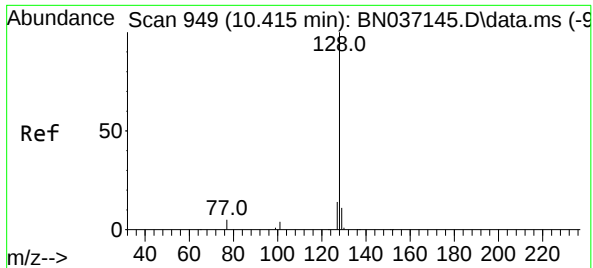
Tgt Ion:	136	Resp:	4076
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	16.3	9.7	14.5#
68	8.7	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.417 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	82	Resp:	1794
Ion	Ratio	Lower	Upper
82	100		
128	38.9	26.9	40.3
54	68.0	61.4	92.2

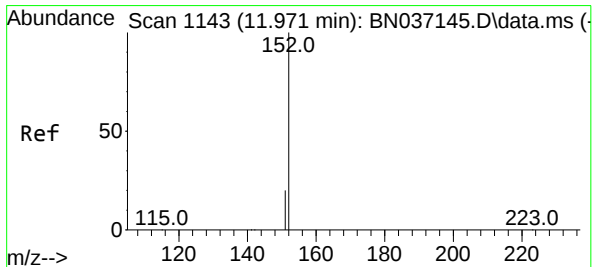
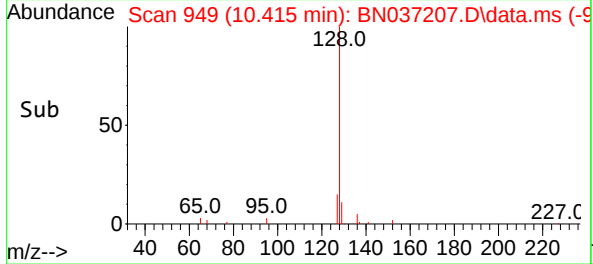
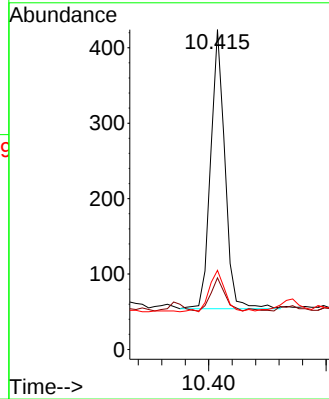
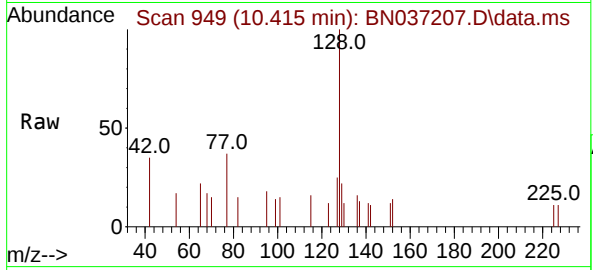




#9
Naphthalene
Concen: 0.053 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

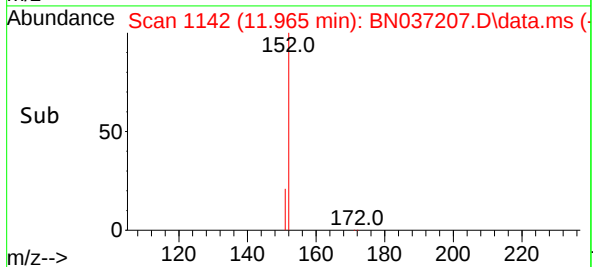
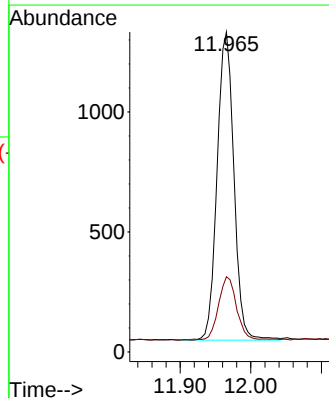
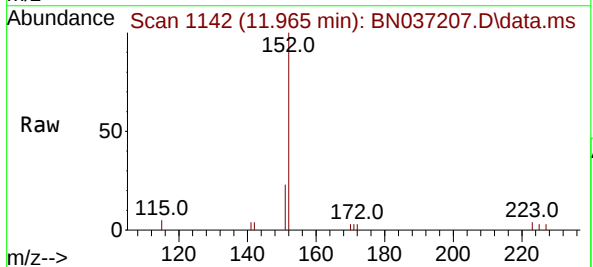
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

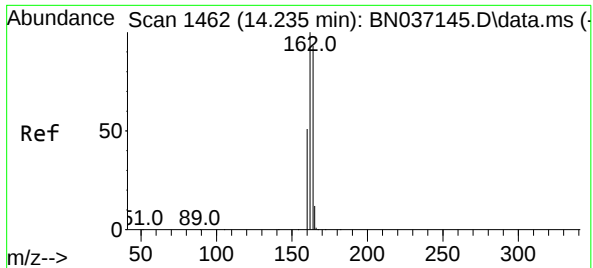
Tgt Ion:	128	Resp:	623
Ion	Ratio	Lower	Upper
128	100		
129	22.4	9.8	14.8#
127	24.8	12.3	18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	152	Resp:	2119
Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.1	25.7

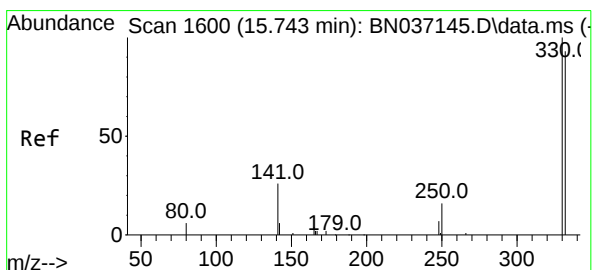
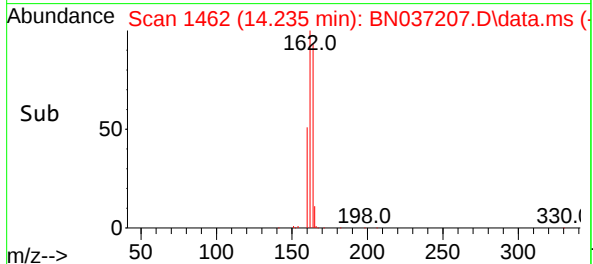
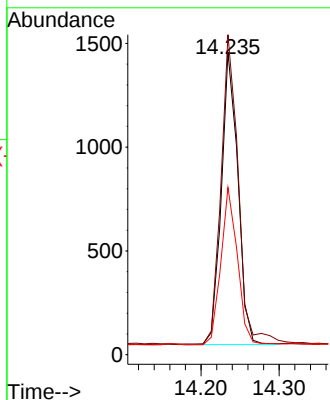
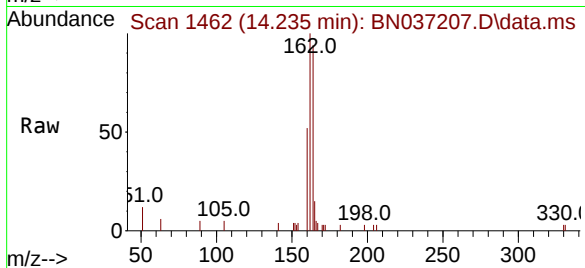




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

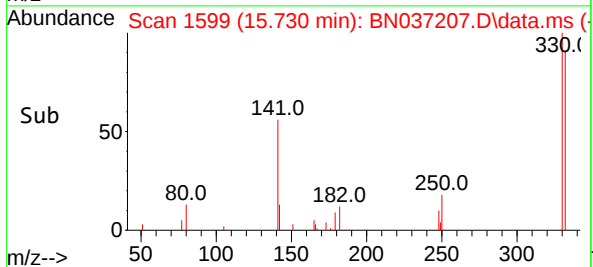
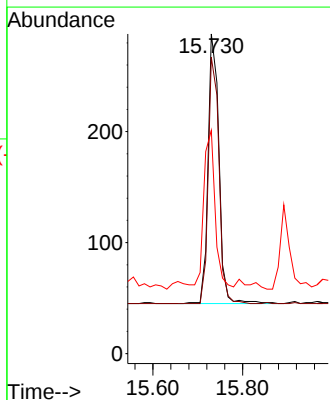
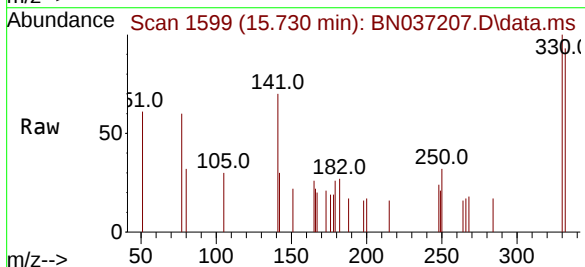
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

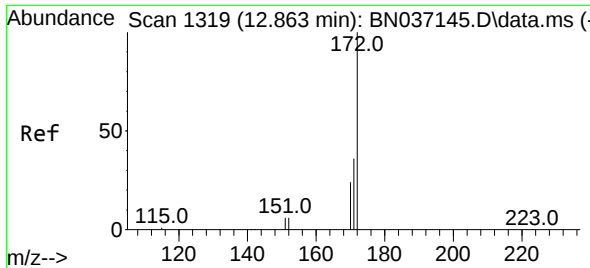
Tgt Ion	164	162	160
Resp:	2065		
Ion Ratio	100	105.8	55.3
Lower		85.5	44.6
Upper		128.3	67.0



#14
2,4,6-Tribromophenol
Concen: 0.490 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion	330	332	141
Resp:	407		
Ion Ratio	100	89.9	62.2
Lower		77.1	46.4
Upper		115.7	69.6

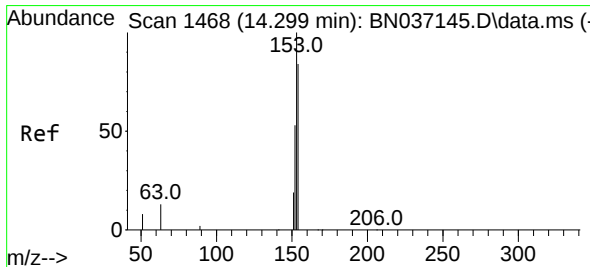
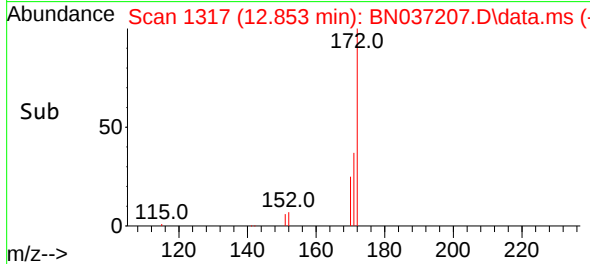
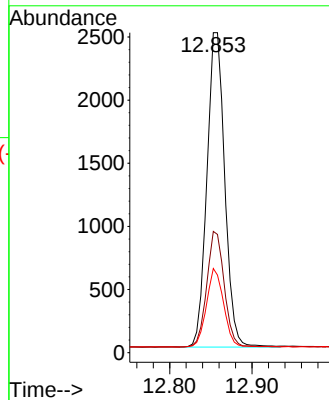
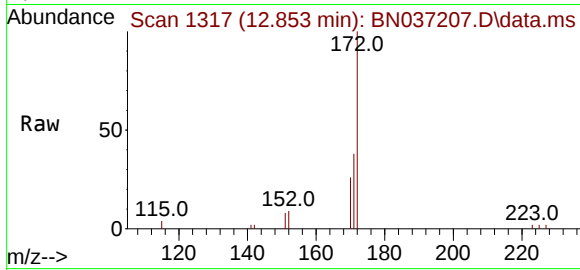




#15
2-Fluorobiphenyl
Concen: 0.426 ng
RT: 12.853 min Scan# 1317
Delta R.T. -0.010 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

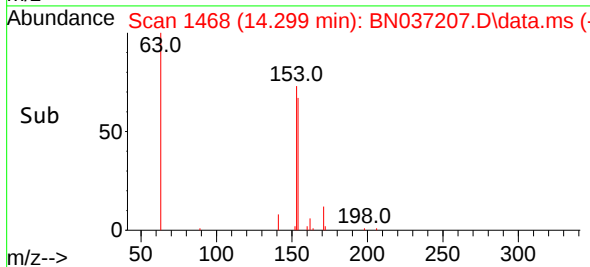
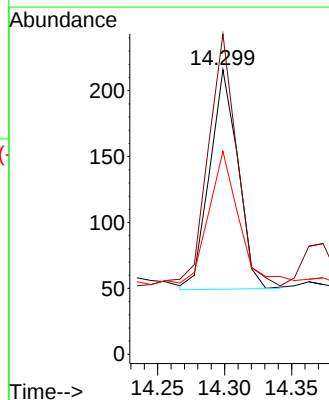
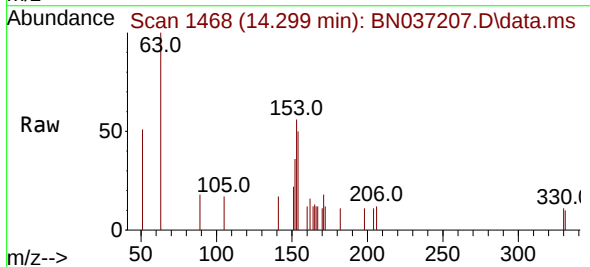
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

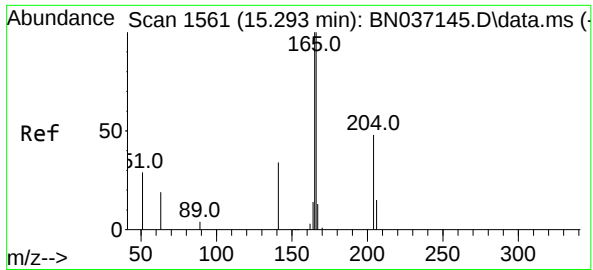
Tgt Ion:172	Resp:	3753
Ion	Ratio	Lower Upper
172	100	
171	37.9	29.6 44.4
170	26.3	20.3 30.5



#17
Acenaphthene
Concen: 0.037 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:154	Resp:	244
Ion	Ratio	Lower Upper
154	100	
153	116.4	93.8 140.8
152	66.0	50.5 75.7

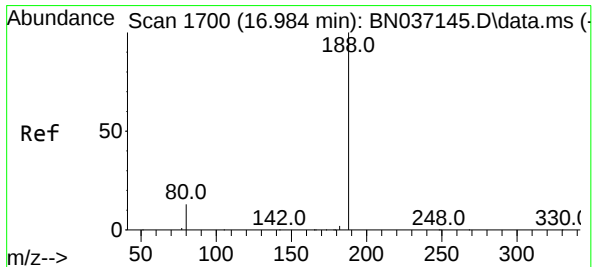
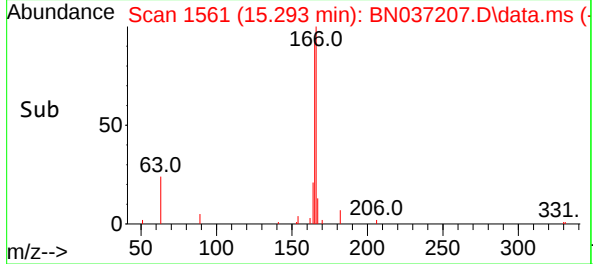
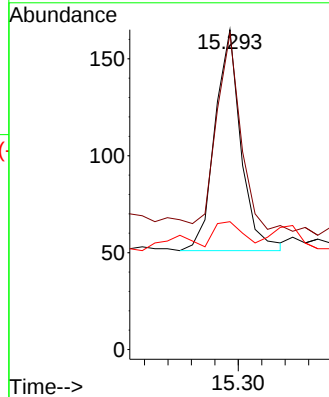
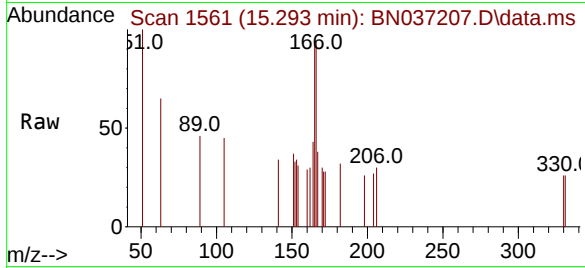




#18
Fluorene
Concen: 0.020 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

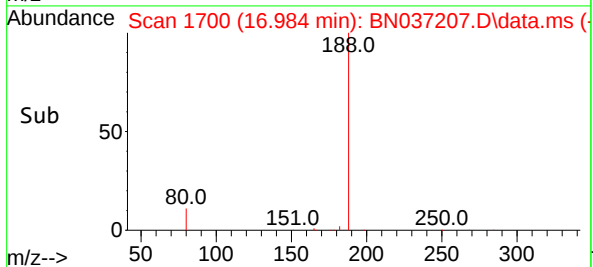
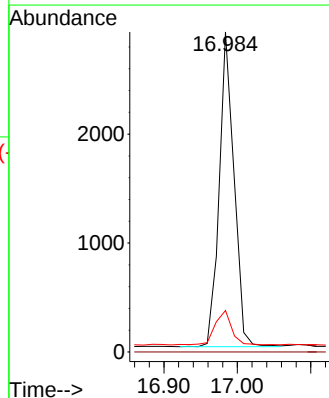
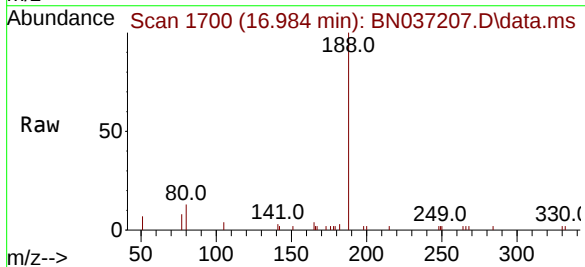
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

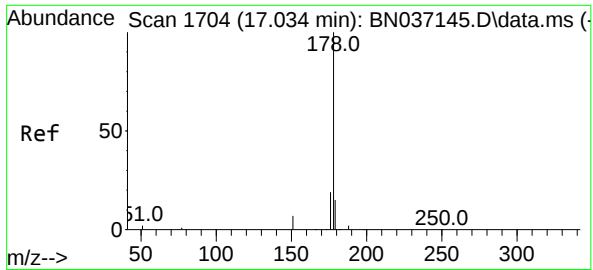
Tgt Ion:	166	Resp:	176
Ion	Ratio	Lower	Upper
166	100		
165	90.3	81.1	121.7
167	13.1	10.8	16.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	188	Resp:	4042
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	11.3	16.9

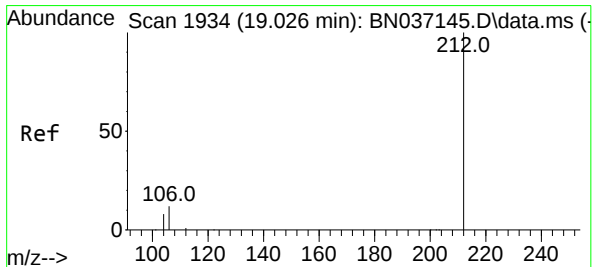
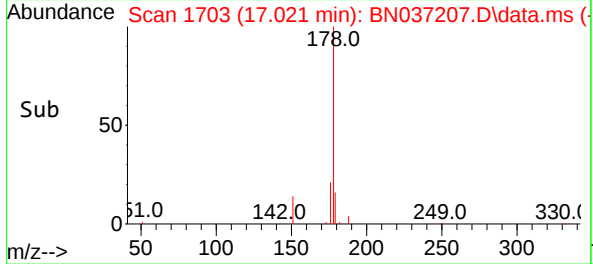
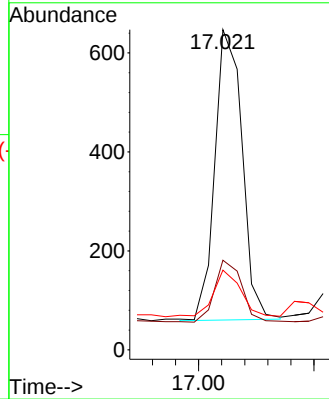
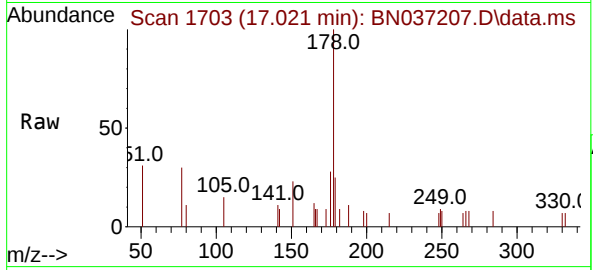




#25
Phenanthrene
Concen: 0.074 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

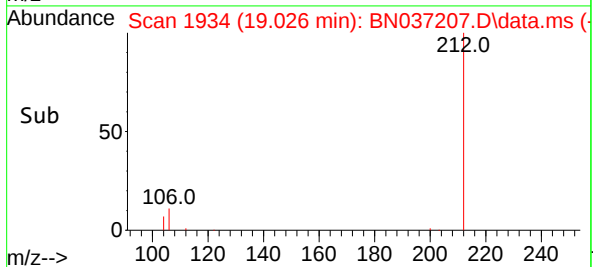
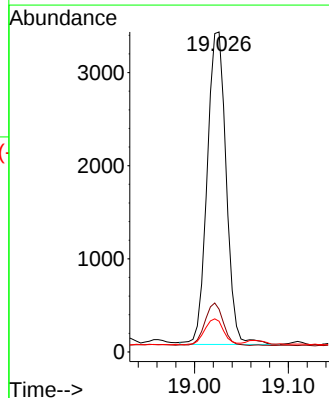
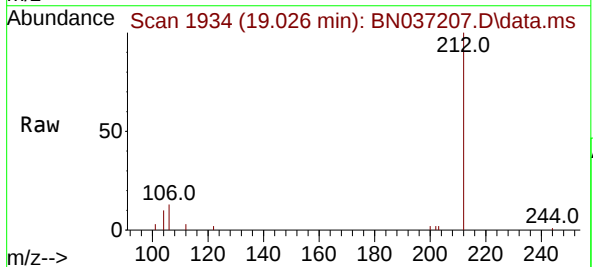
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

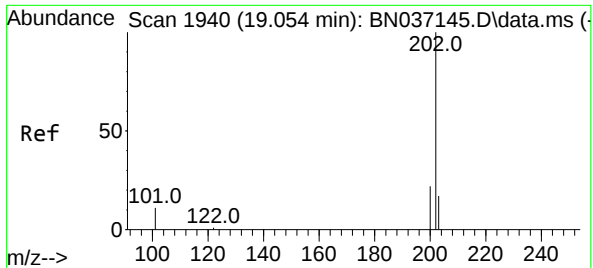
Tgt Ion:	178	Resp:	963
Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.7	23.5
179	16.8	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.459 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	212	Resp:	4719
Ion	Ratio	Lower	Upper
212	100		
106	13.0	10.6	15.8
104	8.3	6.6	9.8

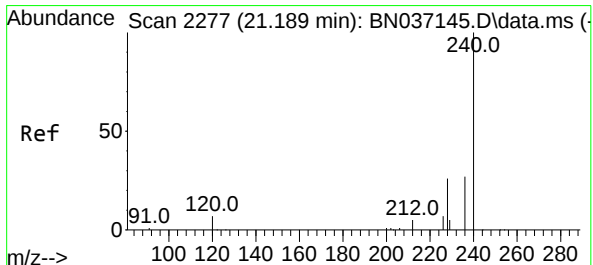
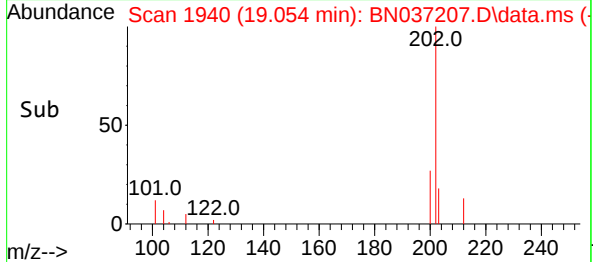
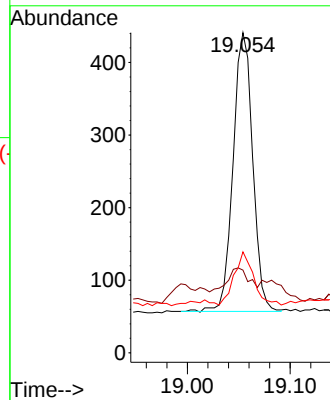
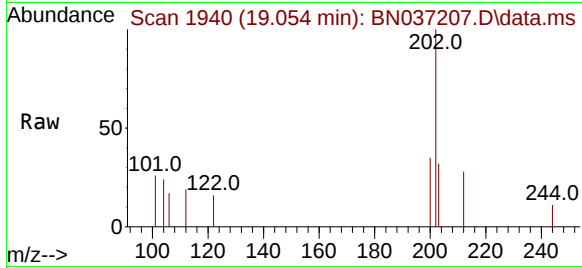




#28
Fluoranthene
Concen: 0.035 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

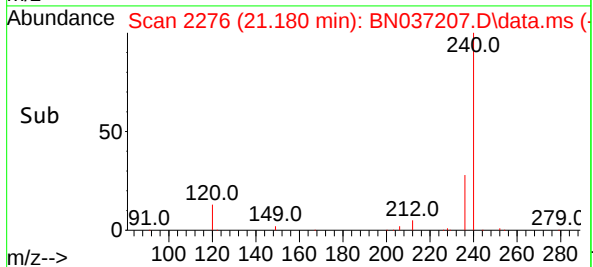
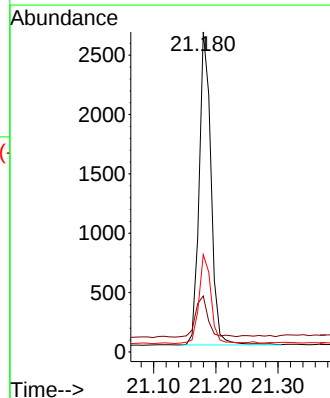
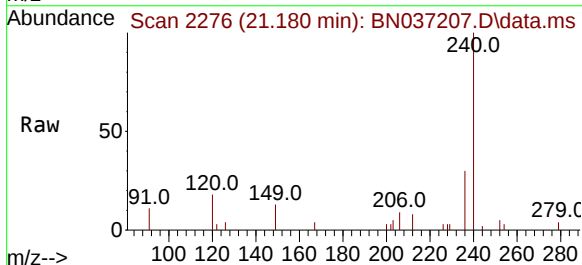
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

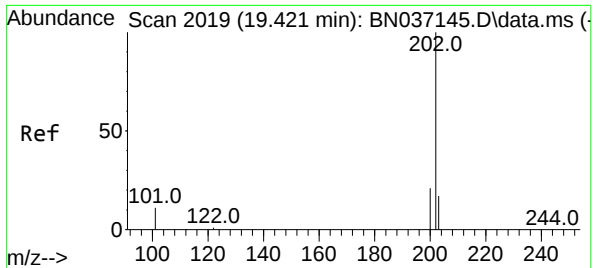
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.7	13.1
203	18.7	13.5	20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2276
Delta R.T. -0.009 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.5	9.0	13.4
236	30.4	23.0	34.4

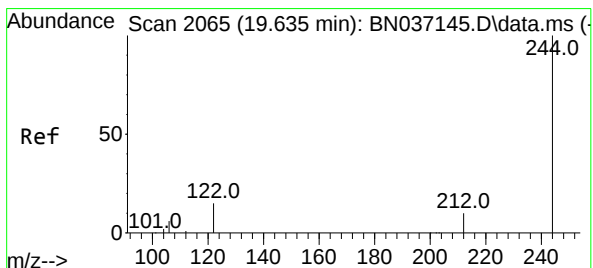
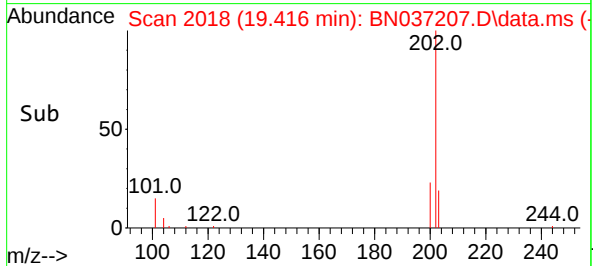
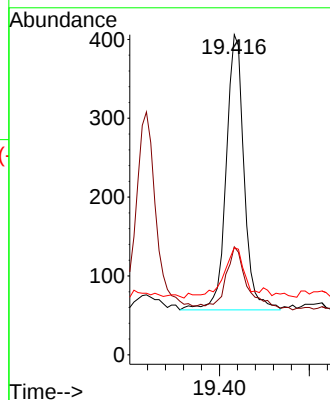
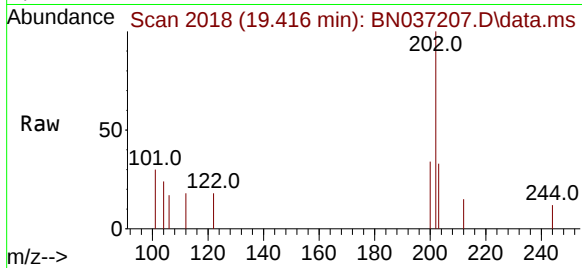




#30
Pyrene
Concen: 0.028 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

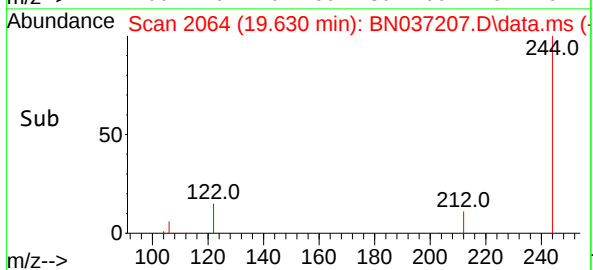
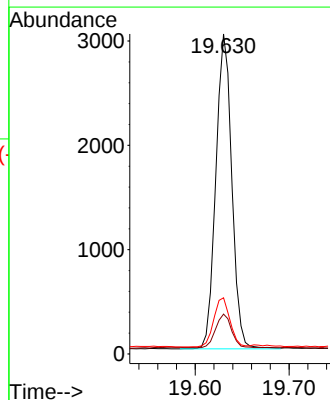
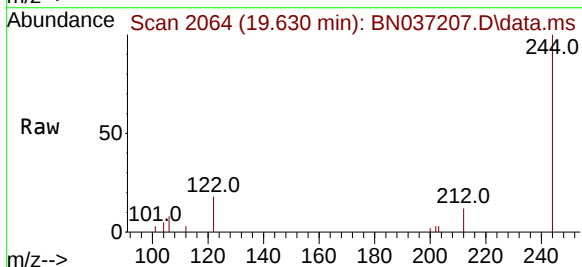
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

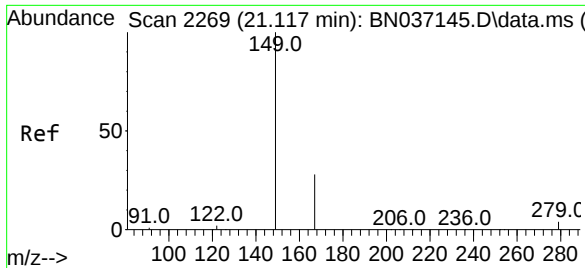
Tgt Ion:202 Resp: 483
Ion Ratio Lower Upper
202 100
200 27.3 17.0 25.6#
203 17.6 14.2 21.4



#31
Terphenyl-d14
Concen: 0.432 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:244 Resp: 3566
Ion Ratio Lower Upper
244 100
212 12.5 10.0 15.0
122 17.5 13.2 19.8

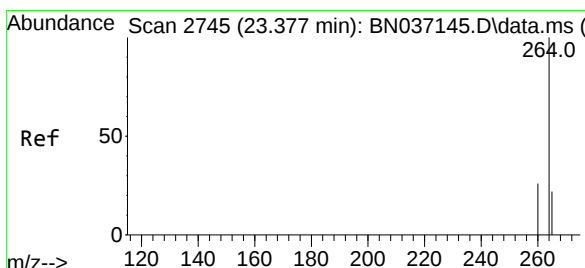
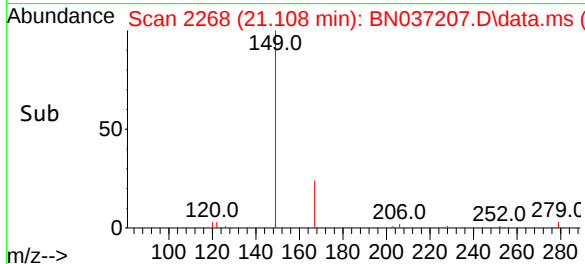
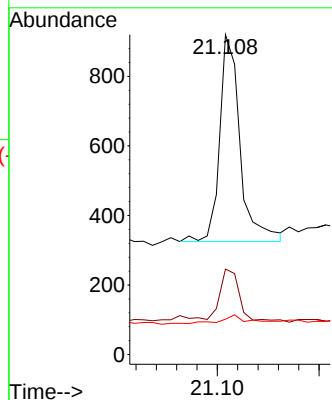
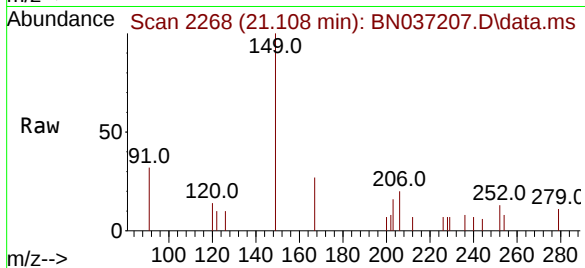




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.104 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

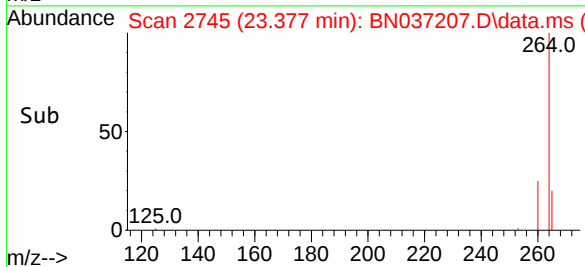
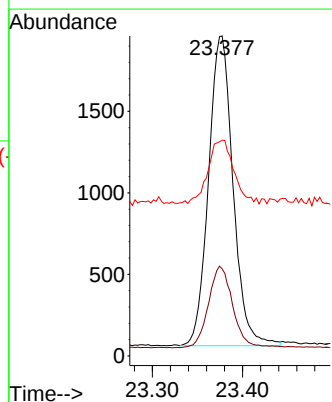
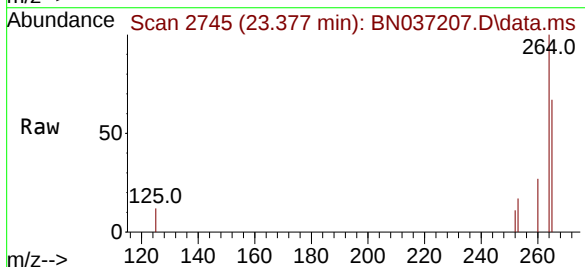
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

Tgt Ion:149 Resp: 831
Ion Ratio Lower Upper
149 100
167 26.4 21.0 31.4
279 4.6 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:264 Resp: 3584
Ion Ratio Lower Upper
264 100
260 27.2 22.1 33.1
265 67.4 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425-FD	SDG No.:	Q2234
Lab Sample ID:	Q2234-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037208.D	1	06/06/25 11:54	06/10/25 01:36	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.38		30 (20) - 150 (139)	95%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 (54) - 150 (157)	108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		30 (27) - 130 (154)	105%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.46		30 (30) - 130 (155)	114%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	122%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1780	7.589			
1146-65-2	Naphthalene-d8	4600	10.362			
15067-26-2	Acenaphthene-d10	2270	14.234			
1517-22-2	Phenanthrene-d10	4130	16.984			
1719-03-5	Chrysene-d12	3300	21.18			
1520-96-3	Perylene-d12	3380	23.377			

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_N\Data\BN060925\
 Data File : BN037208.D
 Acq On : 10 Jun 2025 01:36
 Operator : RC/JU
 Sample : Q2234-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425-FD

Quant Time: Jun 10 04:05:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

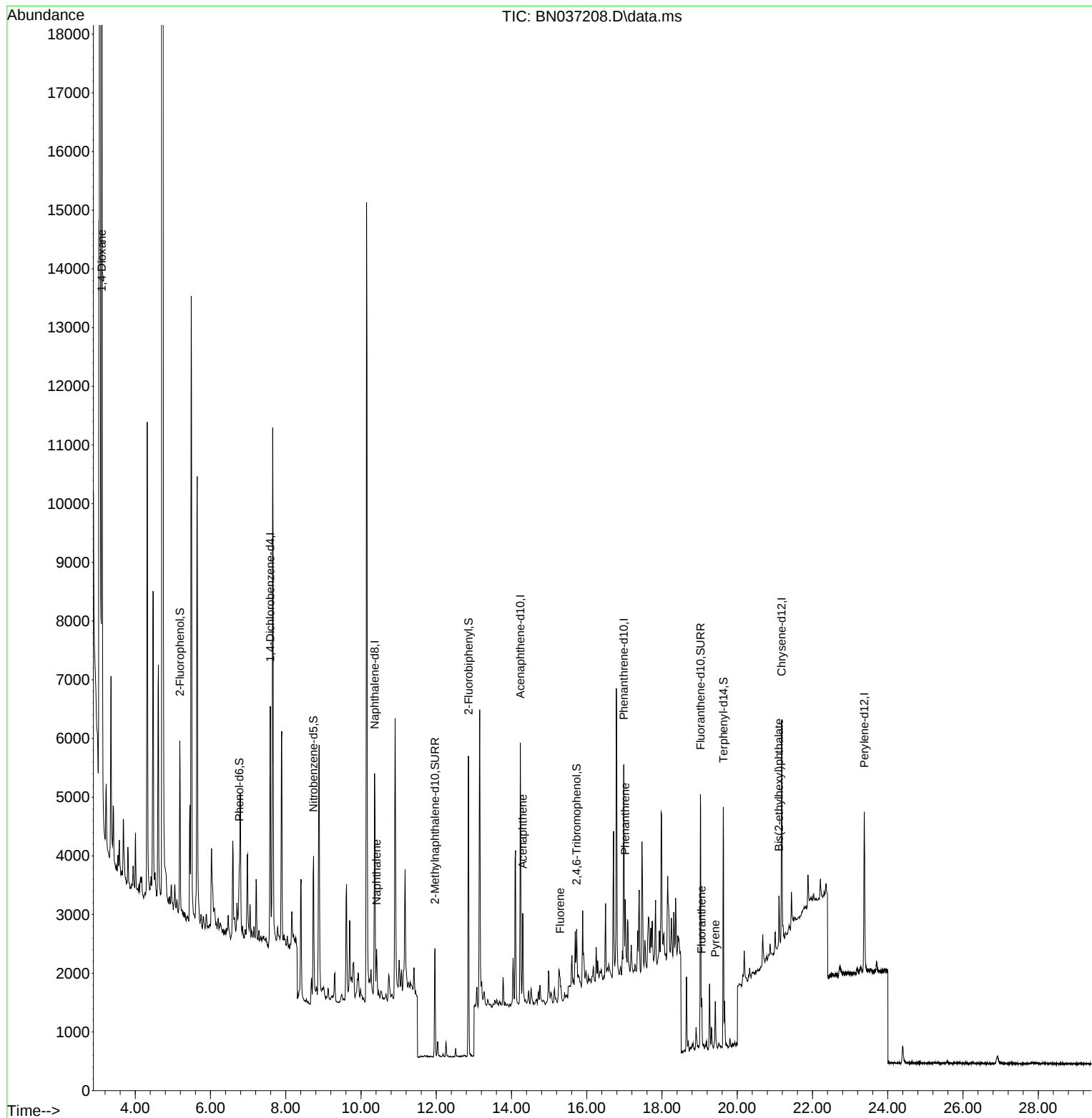
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1777	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4601	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2273	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4128	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3296	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3376	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1009	0.230	ng	0.00
5) Phenol-d6	6.766	99	793	0.149	ng	0.00
8) Nitrobenzene-d5	8.739	82	2046	0.421	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2446	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	428	0.468	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4427	0.457	ng	0.00
27) Fluoranthene-d10	19.021	212	4536	0.432	ng	0.00
31) Terphenyl-d14	19.630	244	3776	0.487	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	7925	3.346	ng	# 82
9) Naphthalene	10.415	128	853	0.064	ng	# 84
17) Acenaphthene	14.299	154	359	0.050	ng	96
18) Fluorene	15.293	166	233	0.024	ng	# 87
25) Phenanthrene	17.021	178	1280	0.096	ng	100
28) Fluoranthene	19.054	202	693	0.047	ng	# 94
30) Pyrene	19.416	202	647	0.040	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.108	149	864	0.115	ng	# 97

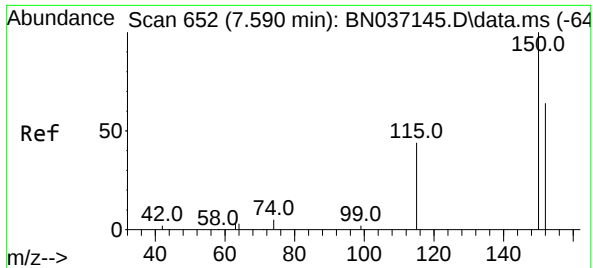
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037208.D
Acq On : 10 Jun 2025 01:36
Operator : RC/JU
Sample : Q2234-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

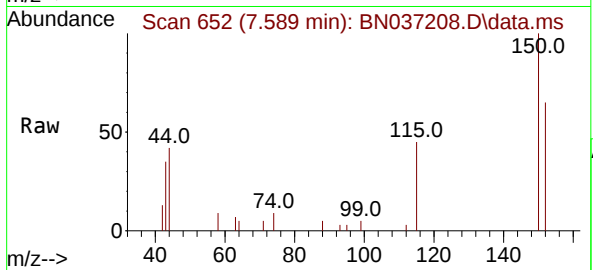
Quant Time: Jun 10 04:05:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



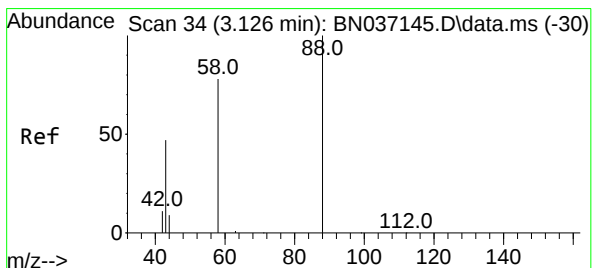
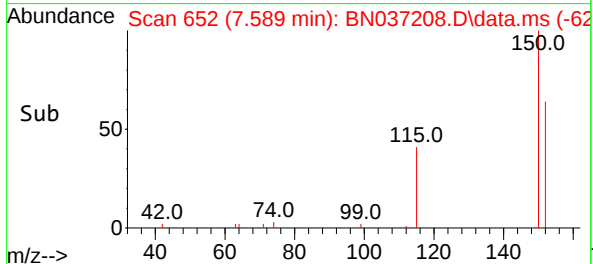
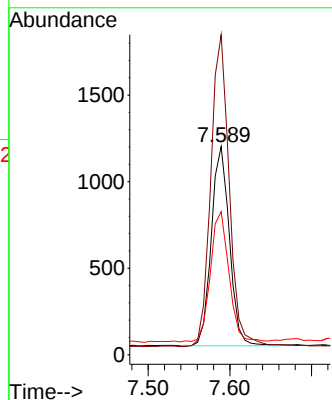


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

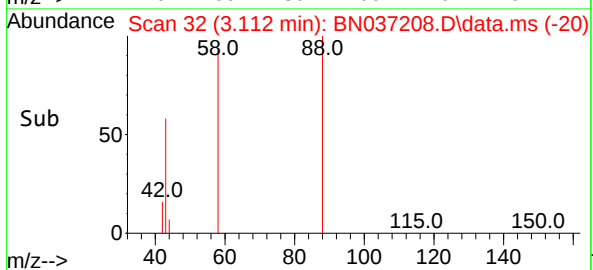
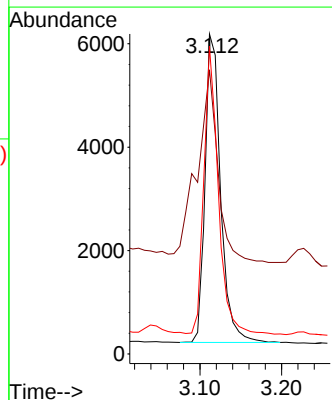
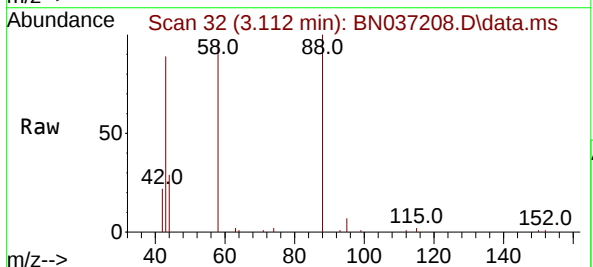


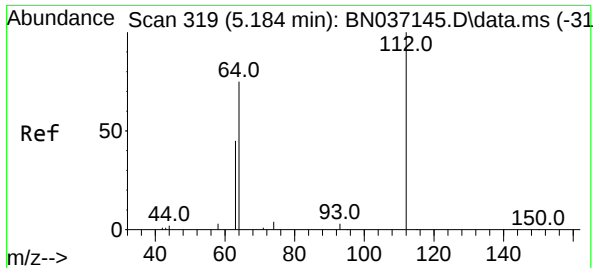
Tgt Ion:152 Resp: 1777
Ion Ratio Lower Upper
152 100
150 153.7 123.2 184.8
115 68.7 56.6 85.0



#2
1,4-Dioxane
Concen: 3.346 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion: 88 Resp: 7925
Ion Ratio Lower Upper
88 100
43 85.6 43.5 65.3#
58 86.5 67.7 101.5

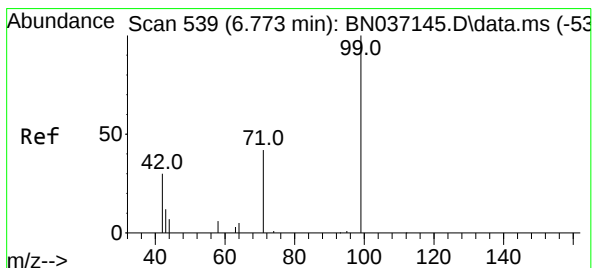
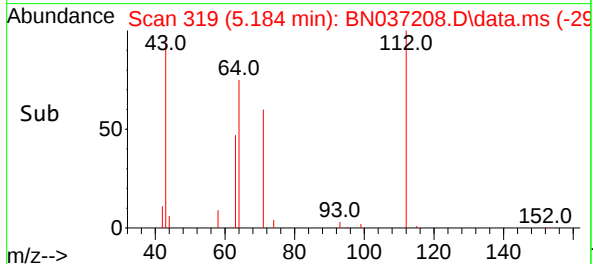
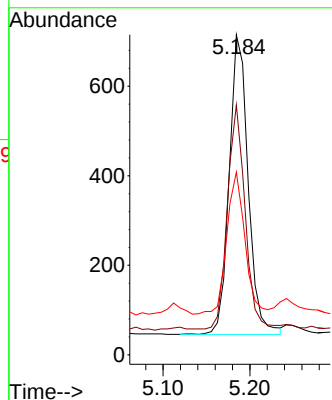
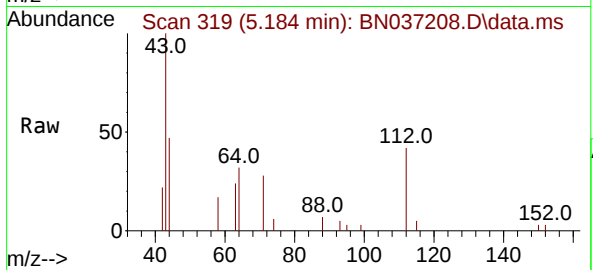




#4
2-Fluorophenol
Concen: 0.230 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

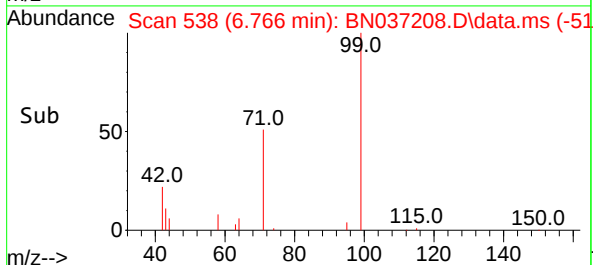
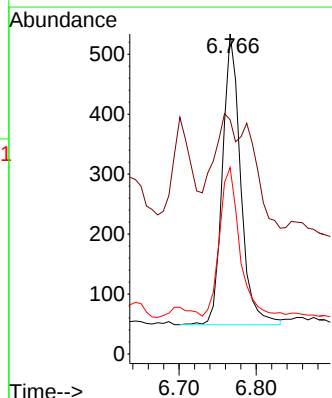
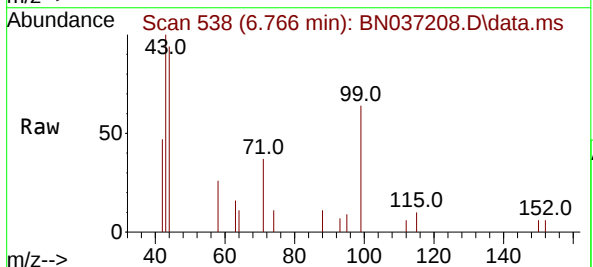
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

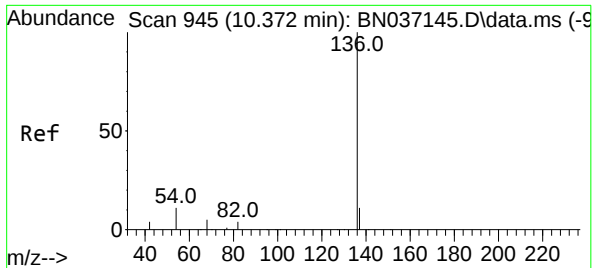
Tgt Ion: 112 Resp: 1009
Ion Ratio Lower Upper
112 100
64 69.6 56.3 84.5
63 45.6 36.2 54.4



#5
Phenol-d6
Concen: 0.149 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion: 99 Resp: 793
Ion Ratio Lower Upper
99 100
42 84.4 31.3 46.9#
71 56.6 38.2 57.2

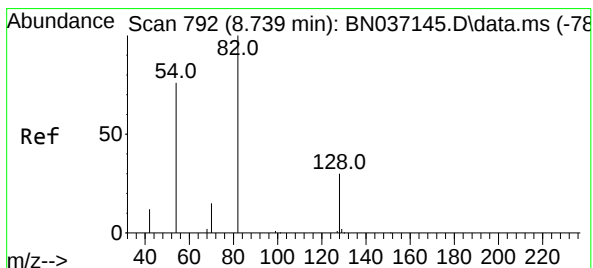
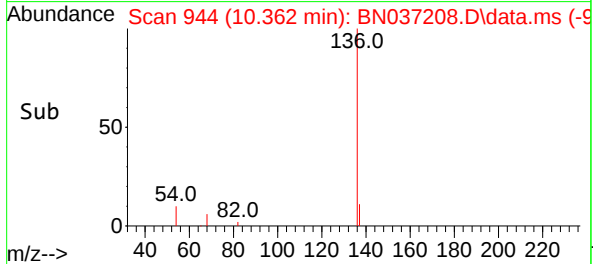
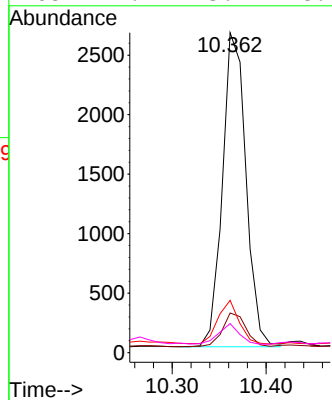
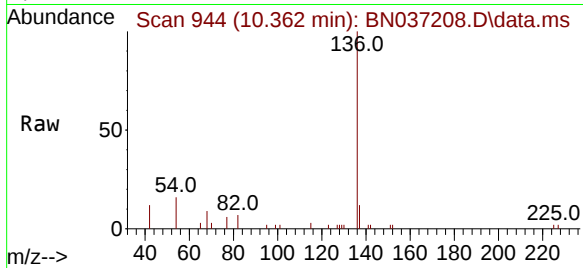




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

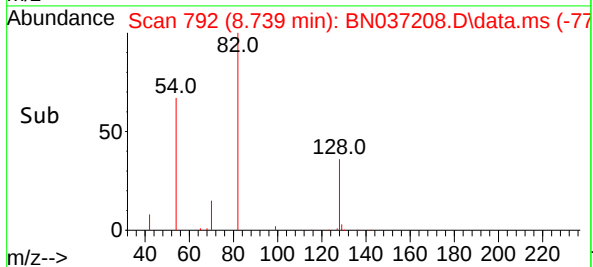
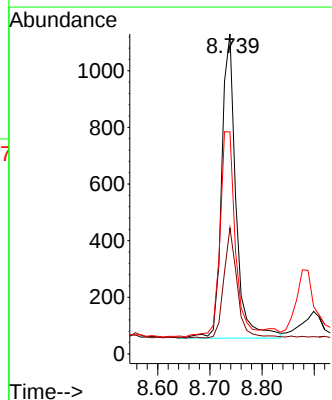
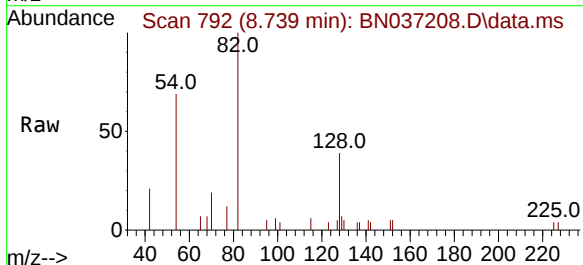
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

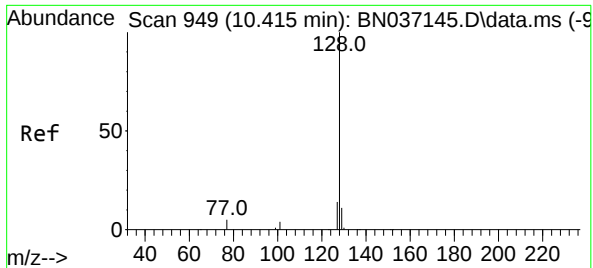
Tgt Ion:	136	Resp:	4601
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	16.3	9.7	14.5#
68	9.1	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:	82	Resp:	2046
Ion	Ratio	Lower	Upper
82	100		
128	39.4	26.9	40.3
54	69.4	61.4	92.2



#9
Naphthalene

Concen: 0.064 ng

RT: 10.415 min Scan# 949

Delta R.T. -0.000 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

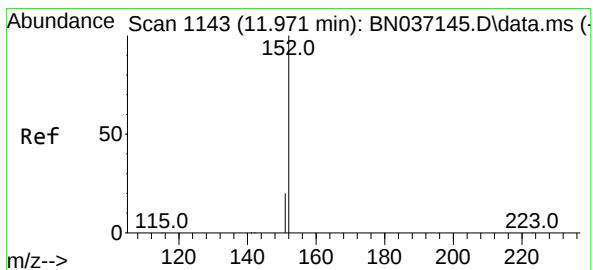
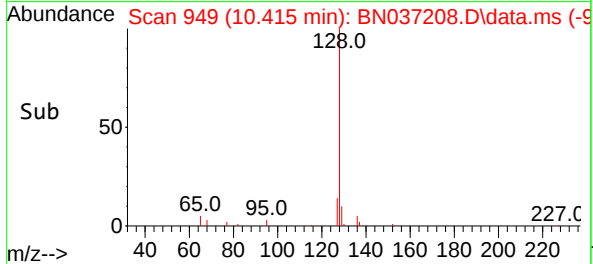
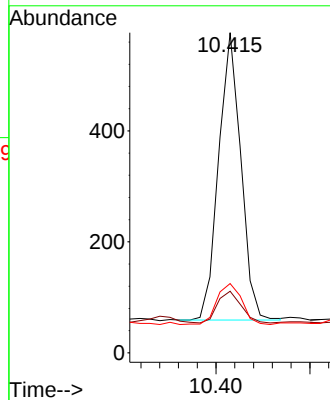
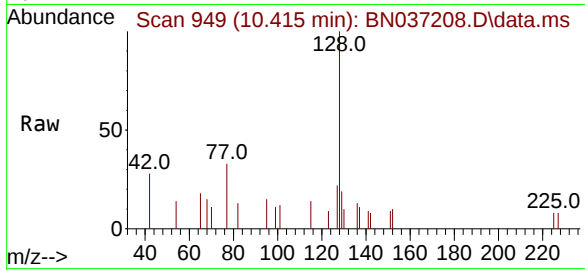
Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425-FD

Tgt Ion:	128	Resp:	853
Ion	Ratio	Lower	Upper
128	100		
129	19.2	9.8	14.8#
127	21.7	12.3	18.5#



#11

2-Methylnaphthalene-d10

Concen: 0.382 ng

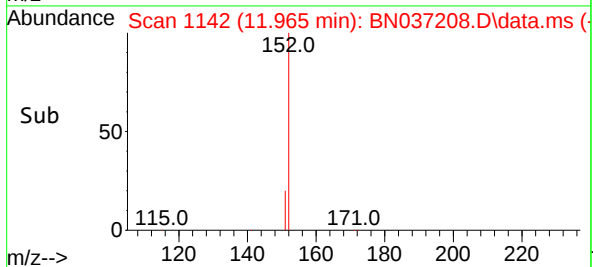
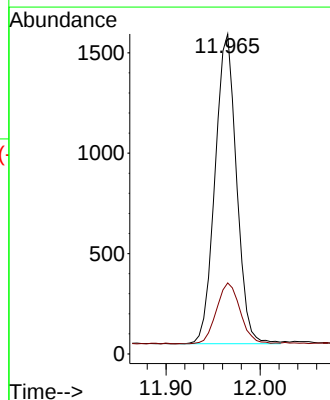
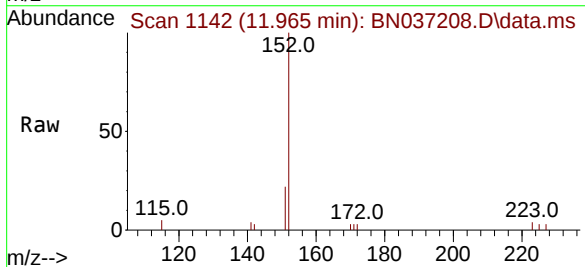
RT: 11.965 min Scan# 1142

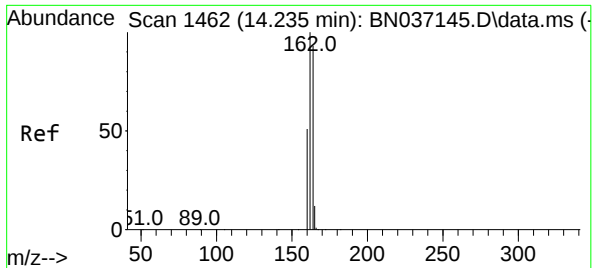
Delta R.T. -0.005 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Tgt Ion:	152	Resp:	2446
Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.1	25.7

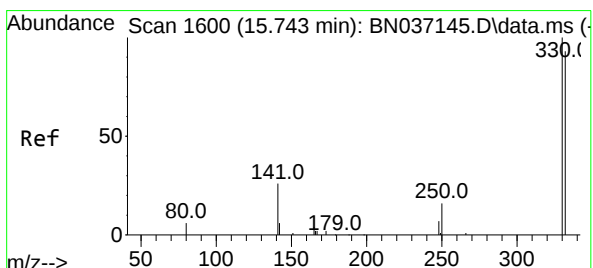
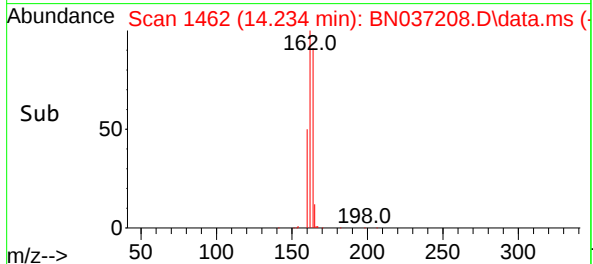
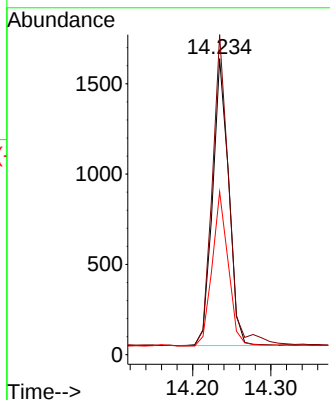
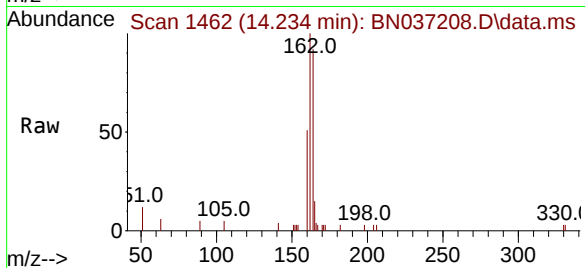




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

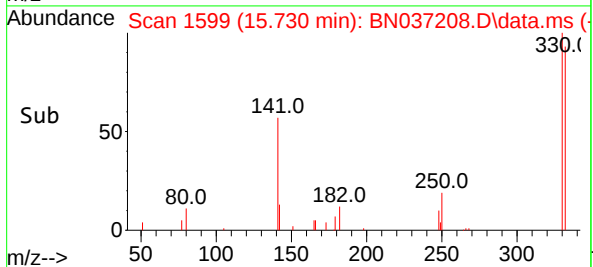
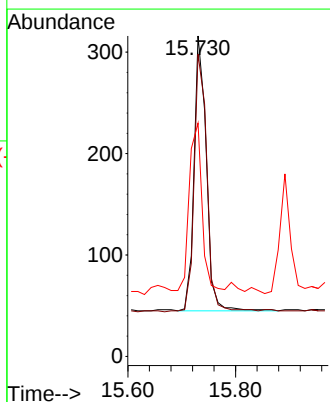
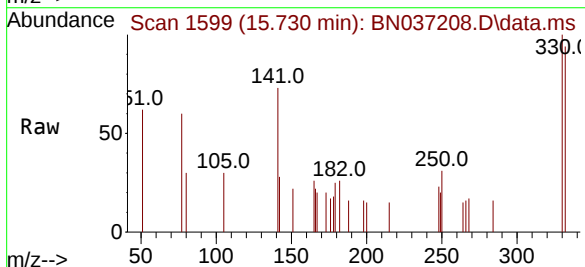
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

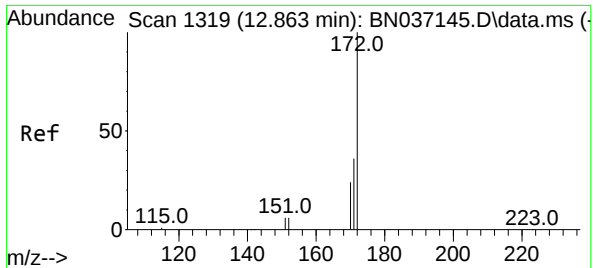
Tgt Ion:164 Resp: 2273
Ion Ratio Lower Upper
164 100
162 108.1 85.5 128.3
160 55.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:330 Resp: 428
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 65.7 46.4 69.6

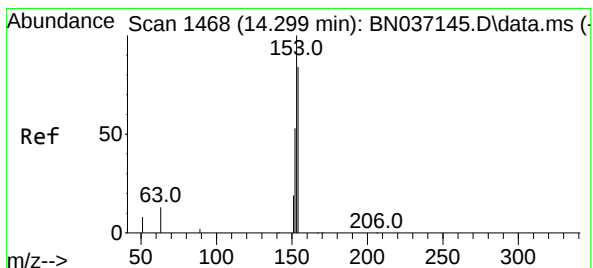
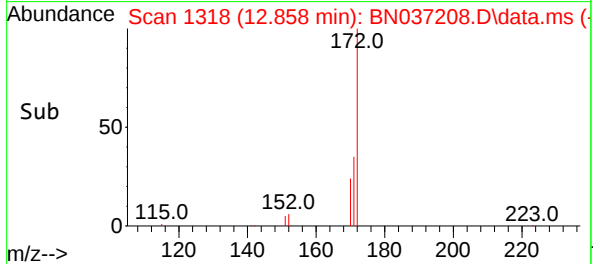
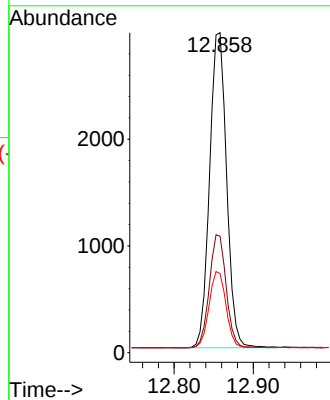
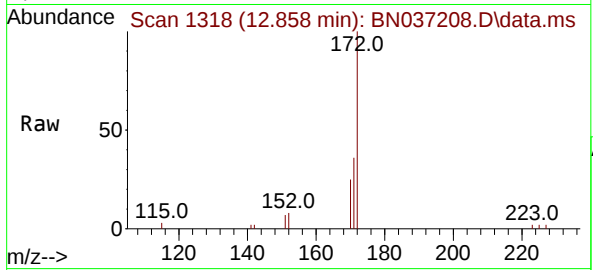




#15
2-Fluorobiphenyl
Concen: 0.457 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

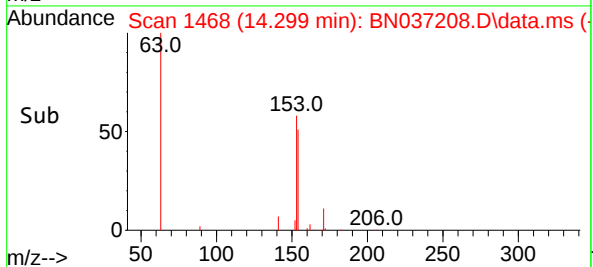
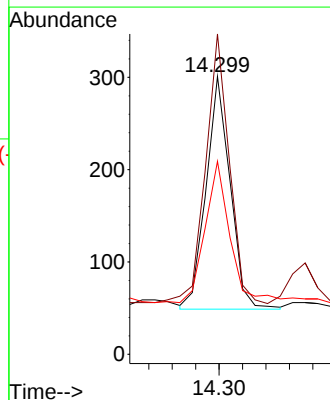
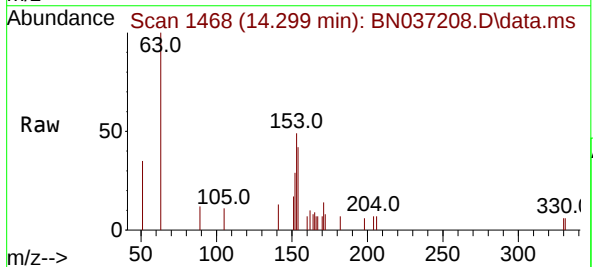
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

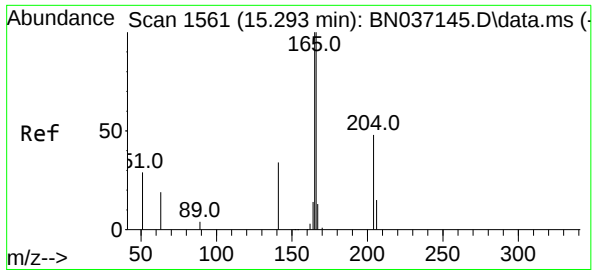
Tgt Ion:172 Resp: 4427
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.7 20.3 30.5



#17
Acenaphthene
Concen: 0.050 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:154 Resp: 359
Ion Ratio Lower Upper
154 100
153 123.7 93.8 140.8
152 64.6 50.5 75.7

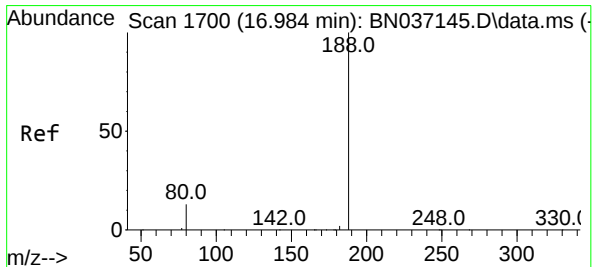
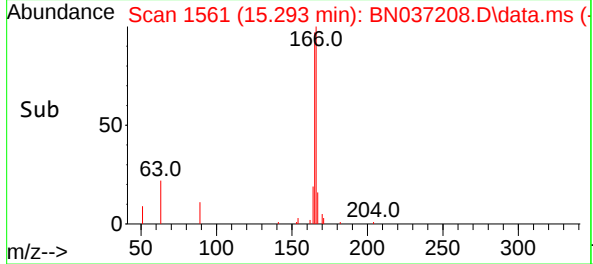
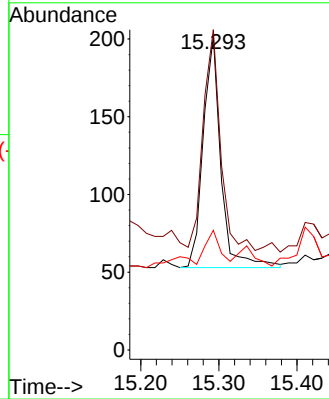
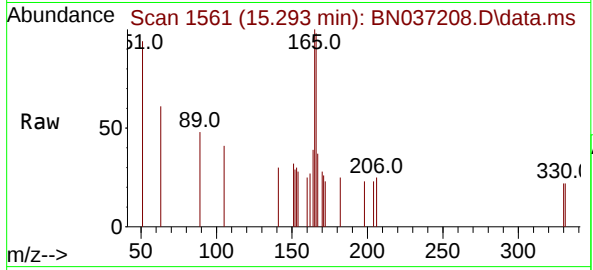




#18
Fluorene
Concen: 0.024 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

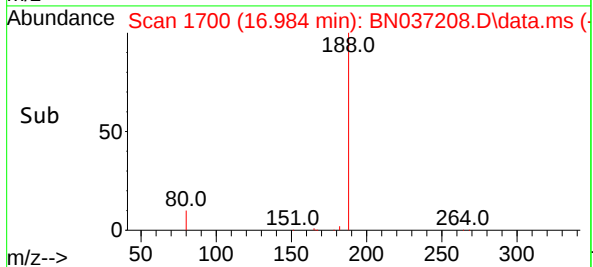
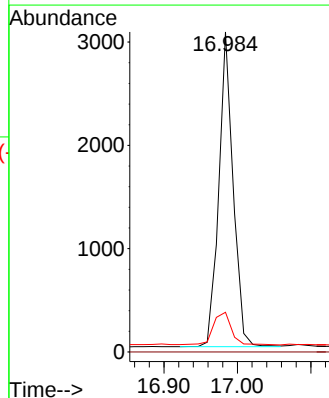
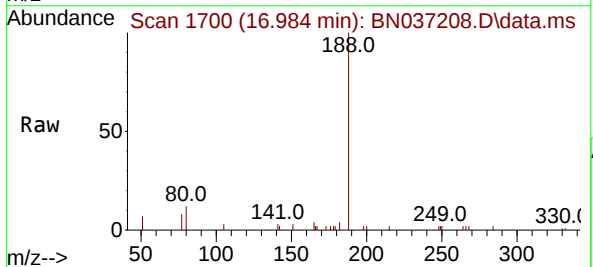
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

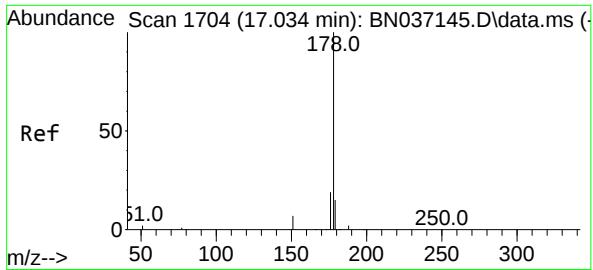
Tgt Ion:166 Resp: 233
Ion Ratio Lower Upper
166 100
165 88.8 81.1 121.7
167 21.0 10.8 16.2#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:188 Resp: 4128
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 11.3 16.9

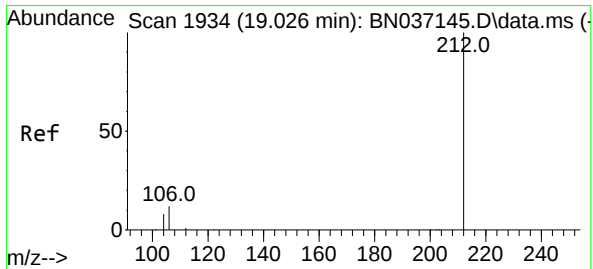
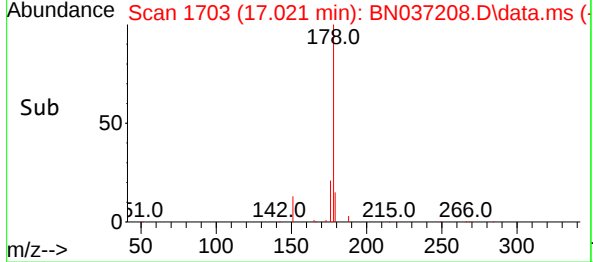
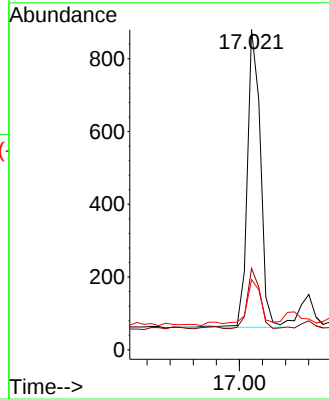
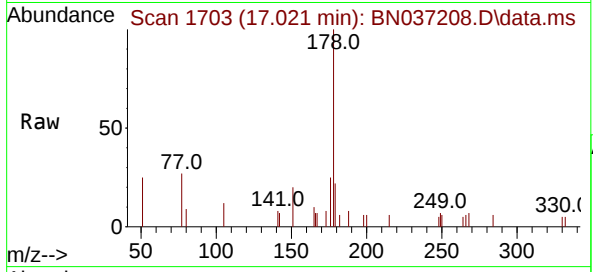




#25
Phenanthrene
Concen: 0.096 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

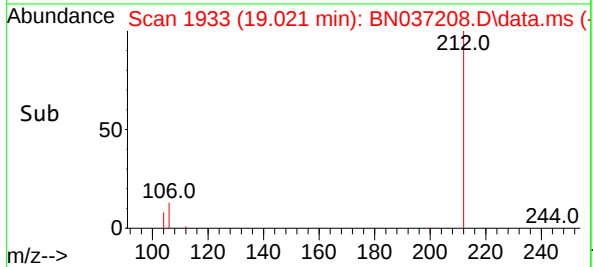
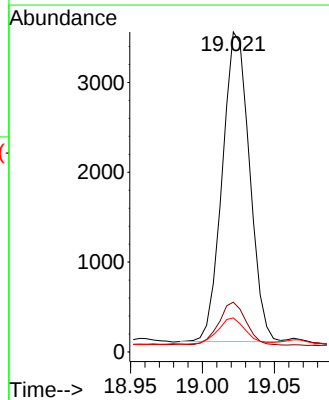
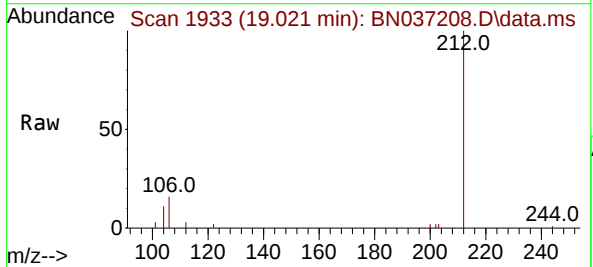
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

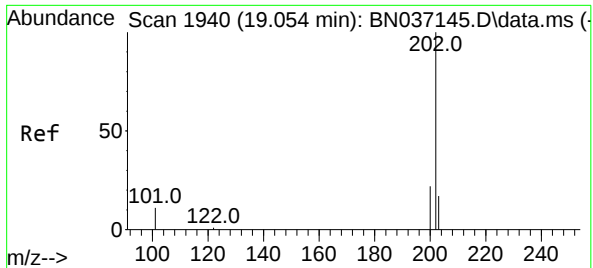
Tgt Ion:178 Resp: 1280
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.3 12.3 18.5



#27
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.021 min Scan# 1933
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:212 Resp: 4536
Ion Ratio Lower Upper
212 100
106 14.2 10.6 15.8
104 8.8 6.6 9.8

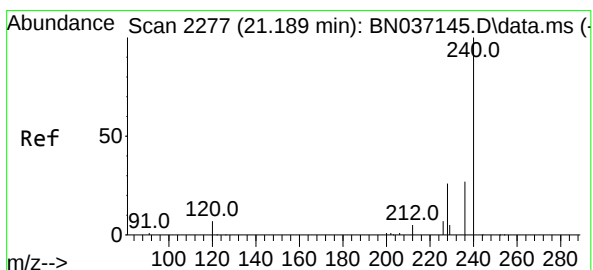
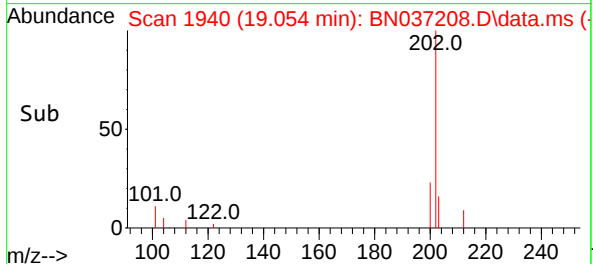
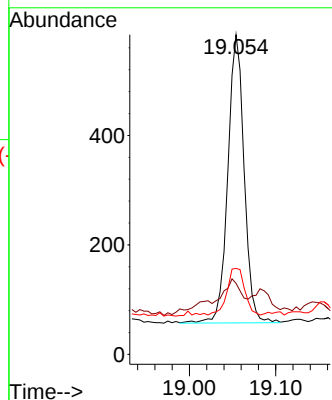
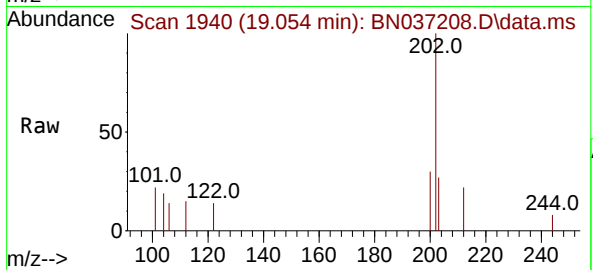




#28
Fluoranthene
Concen: 0.047 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

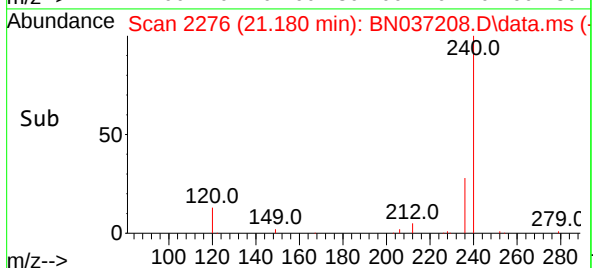
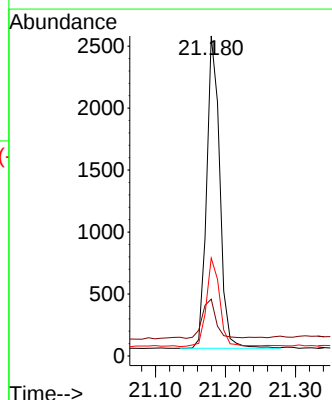
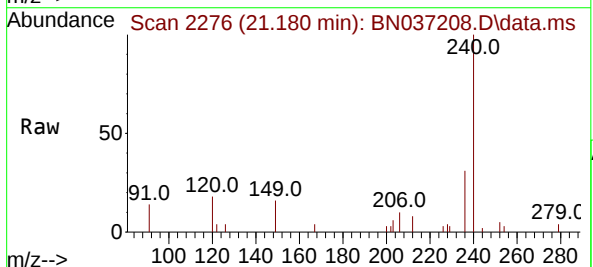
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

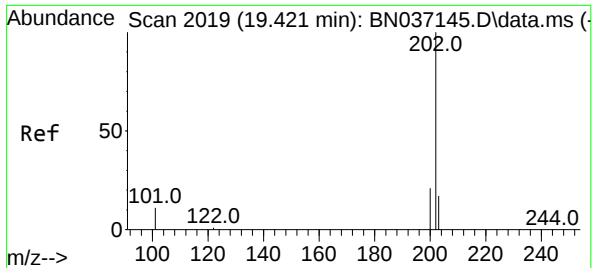
Tgt Ion:202 Resp: 693
Ion Ratio Lower Upper
202 100
101 15.6 8.7 13.1#
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2276
Delta R.T. -0.009 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:240 Resp: 3296
Ion Ratio Lower Upper
240 100
120 17.8 9.0 13.4#
236 30.6 23.0 34.4

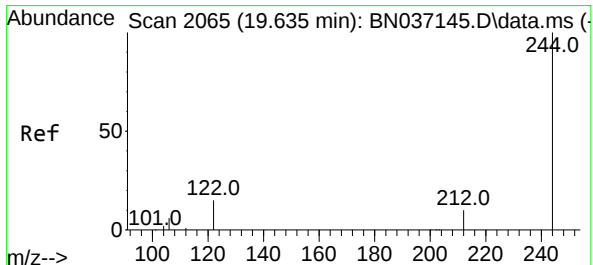
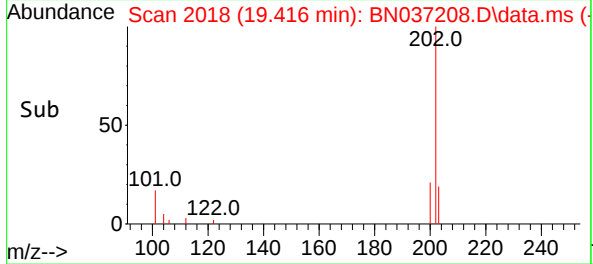
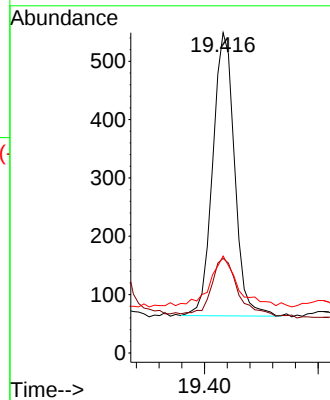
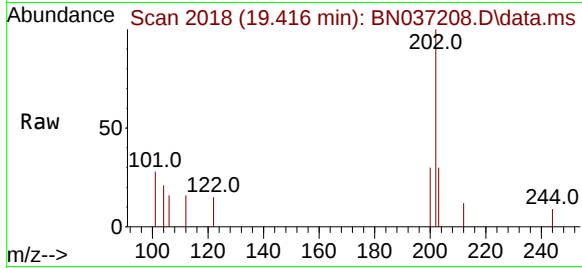




#30
Pyrene
Concen: 0.040 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

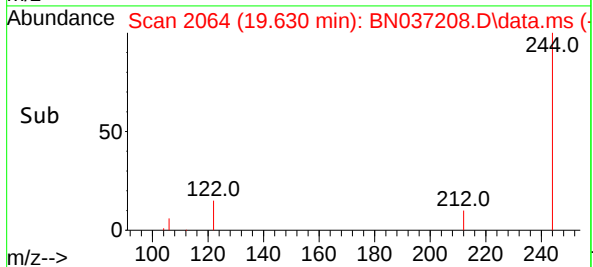
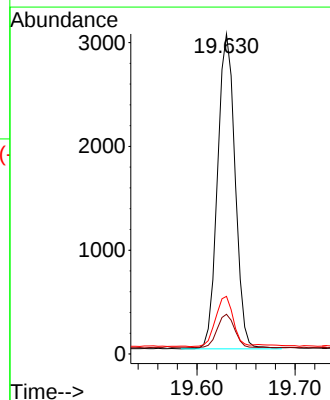
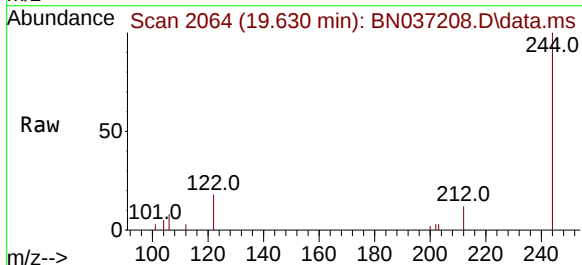
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

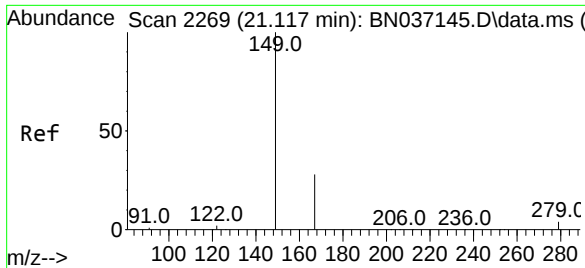
Tgt Ion:202 Resp: 647
Ion Ratio Lower Upper
202 100
200 26.9 17.0 25.6#
203 23.0 14.2 21.4#



#31
Terphenyl-d14
Concen: 0.487 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:244 Resp: 3776
Ion Ratio Lower Upper
244 100
212 12.4 10.0 15.0
122 18.0 13.2 19.8

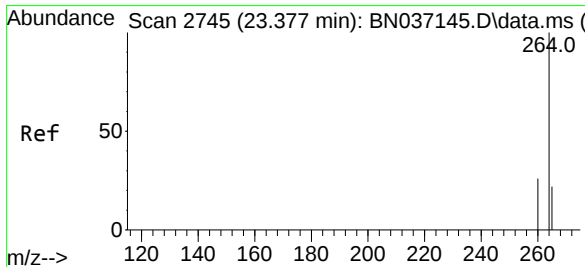
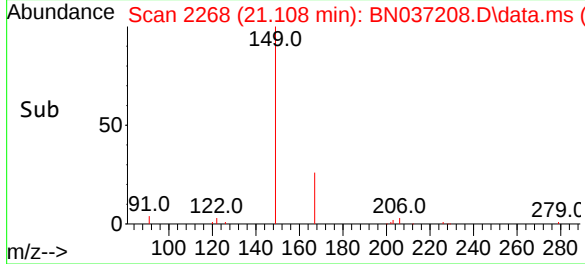
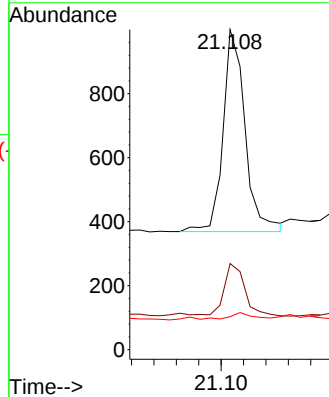
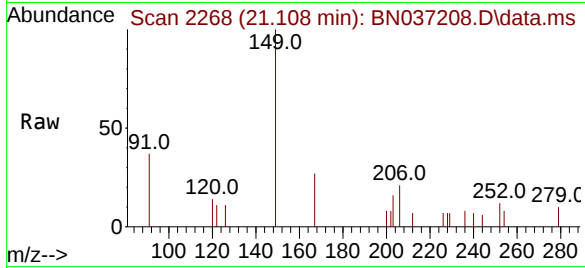




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.115 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

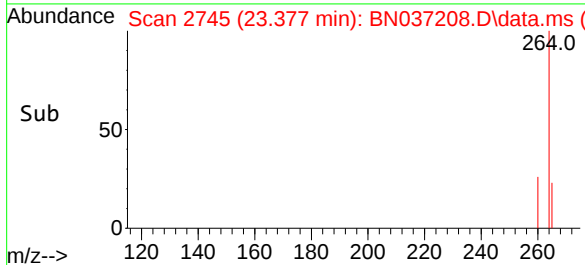
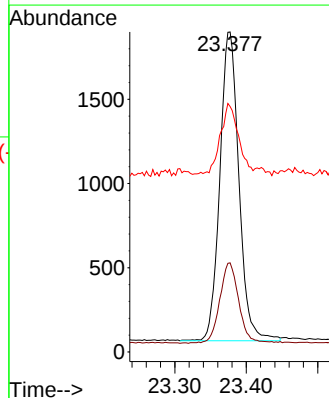
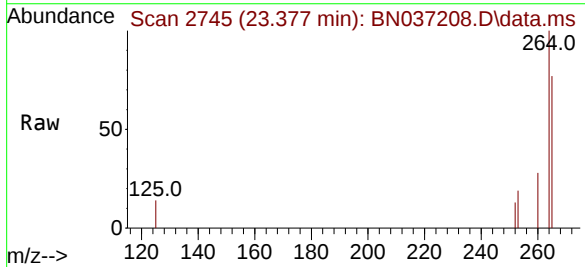
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

Tgt Ion:149 Resp: 864
Ion Ratio Lower Upper
149 100
167 24.7 21.0 31.4
279 2.8 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:264 Resp: 3376
Ion Ratio Lower Upper
264 100
260 27.8 22.1 33.1
265 76.7 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-19B-72-060425	SDG No.:	Q2234
Lab Sample ID:	Q2234-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037209.D	1	06/06/25 11:54	06/10/25 02:12	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.60	E	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		30 (27) - 130 (154)	103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		30 (30) - 130 (155)	103%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.63	*	30 (54) - 130 (175)	156%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2080		7.589		
1146-65-2	Naphthalene-d8	5380		10.361		
15067-26-2	Acenaphthene-d10	3060		14.234		
1517-22-2	Phenanthrene-d10	5760		16.984		
1719-03-5	Chrysene-d12	3590		21.18		
1520-96-3	Perylene-d12	3060		23.374		

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_N\Data\BN060925\
 Data File : BN037209.D
 Acq On : 10 Jun 2025 02:12
 Operator : RC/JU
 Sample : Q2234-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425

Quant Time: Jun 10 04:05:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

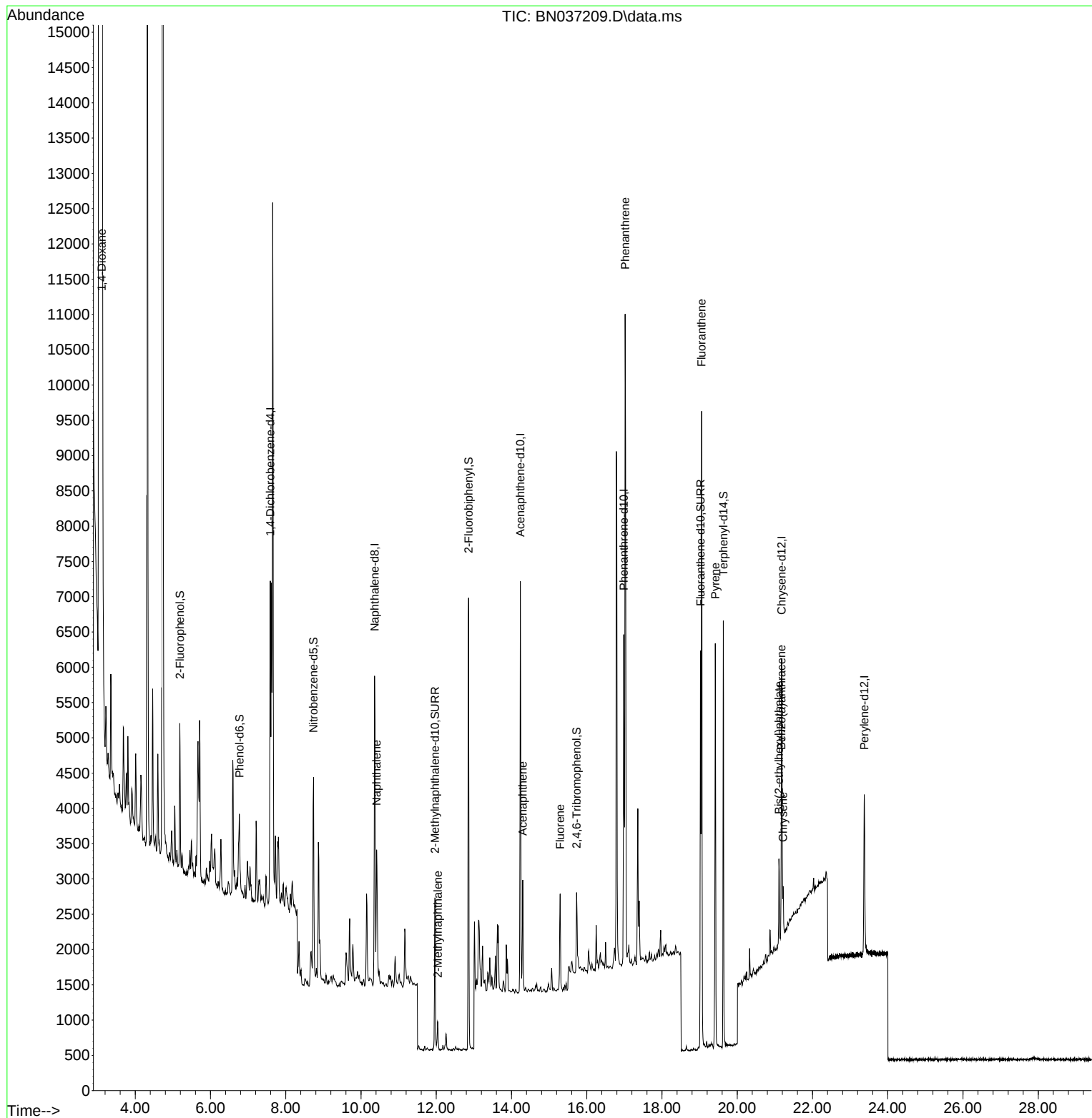
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2075	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5375	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	3061	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5755	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3593	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	3061	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1124	0.219	ng	0.00
5) Phenol-d6	6.773	99	919	0.148	ng	0.00
8) Nitrobenzene-d5	8.739	82	2331	0.411	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2886	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	560	0.454	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	5407	0.414	ng	0.00
27) Fluoranthene-d10	19.026	212	6173	0.422	ng	0.00
31) Terphenyl-d14	19.630	244	5287	0.625	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.111	88	15105	5.461	ng	96
9) Naphthalene	10.415	128	1782	0.115	ng	# 92
12) 2-Methylnaphthalene	12.041	142	277	0.028	ng	# 90
17) Acenaphthene	14.299	154	706	0.072	ng	99
18) Fluorene	15.293	166	795	0.062	ng	93
25) Phenanthrene	17.021	178	10041	0.539	ng	100
28) Fluoranthene	19.054	202	7738	0.376	ng	99
30) Pyrene	19.416	202	5158	0.294	ng	# 93
32) Benzo(a)anthracene	21.171	228	470	0.036	ng	# 76
33) Chrysene	21.215	228	659	0.046	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.108	149	1263	0.154	ng	100

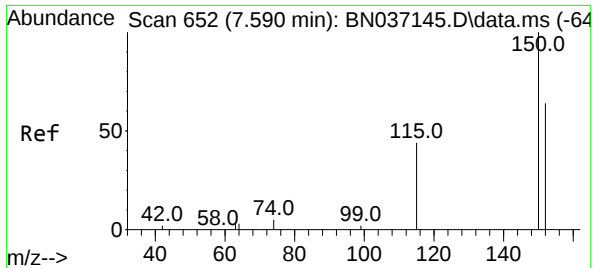
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037209.D
Acq On : 10 Jun 2025 02:12
Operator : RC/JU
Sample : Q2234-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

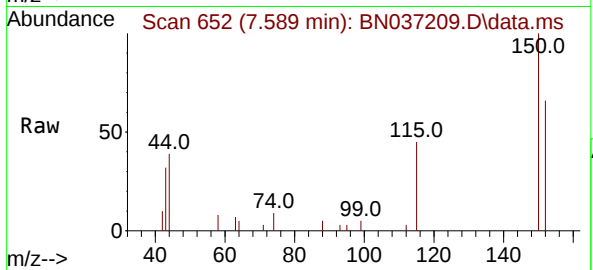
Quant Time: Jun 10 04:05:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



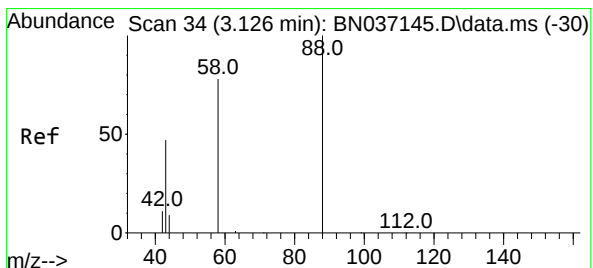
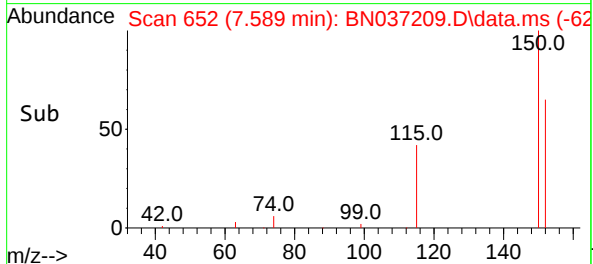
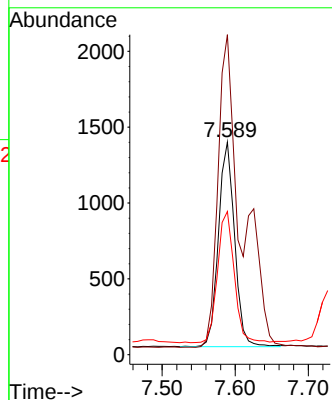


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

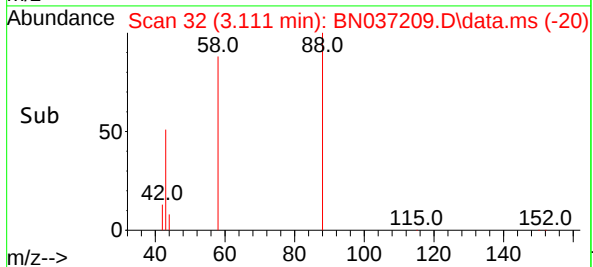
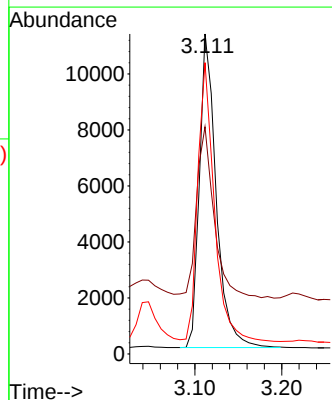
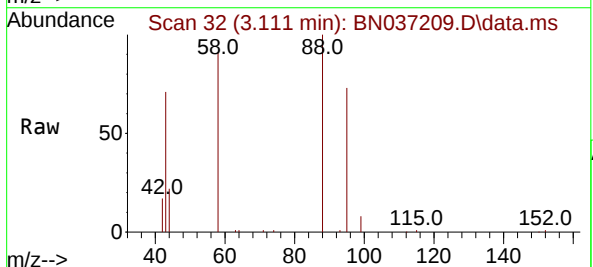


Tgt Ion: 152 Resp: 2075
Ion Ratio Lower Upper
152 100
150 150.5 123.2 184.8
115 67.3 56.6 85.0

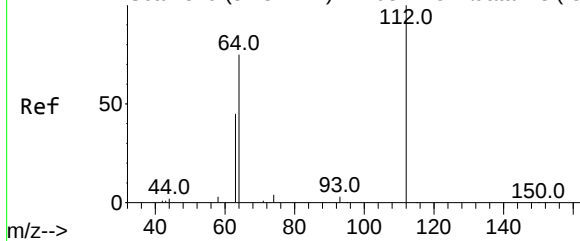


#2
1,4-Dioxane
Concen: 5.461 ng
RT: 3.111 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion: 88 Resp: 15105
Ion Ratio Lower Upper
88 100
43 57.6 43.5 65.3
58 87.7 67.7 101.5



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



#4

2-Fluorophenol

Concen: 0.219 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

Tgt Ion:112 Resp: 1124

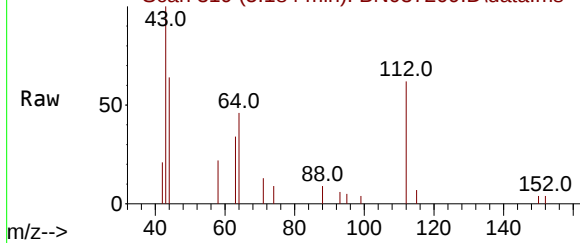
Ion Ratio Lower Upper

112 100

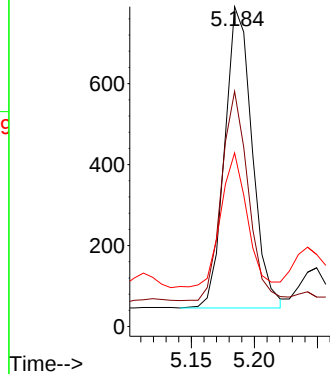
64 67.5 56.3 84.5

63 42.9 36.2 54.4

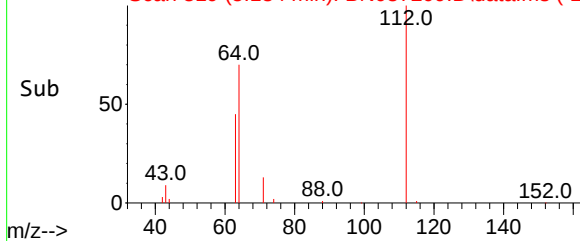
Abundance Scan 319 (5.184 min): BN037209.D\data.ms



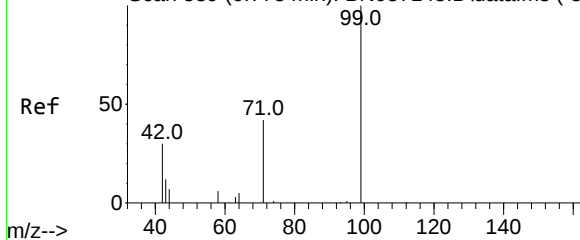
Abundance



Abundance Scan 319 (5.184 min): BN037209.D\data.ms (-29



Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



#5

Phenol-d6

Concen: 0.148 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Tgt Ion: 99 Resp: 919

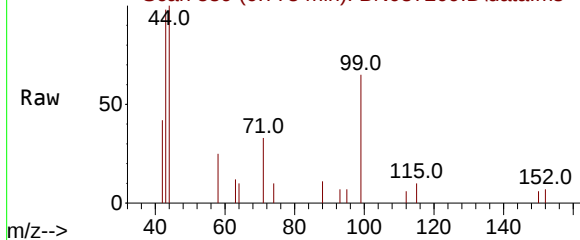
Ion Ratio Lower Upper

99 100

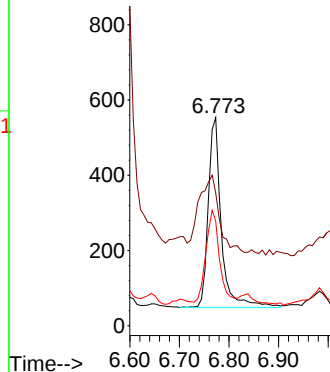
42 62.8 31.3 46.9#

71 50.4 38.2 57.2

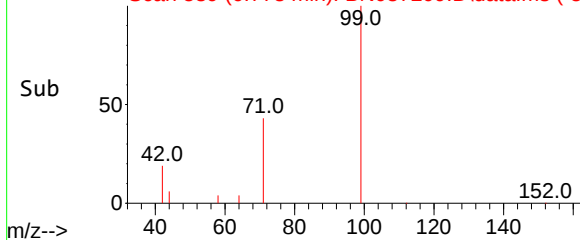
Abundance Scan 539 (6.773 min): BN037209.D\data.ms

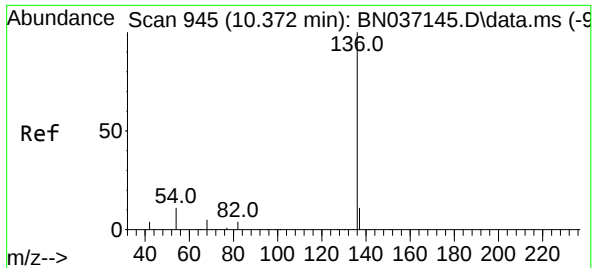


Abundance



Abundance Scan 539 (6.773 min): BN037209.D\data.ms (-51

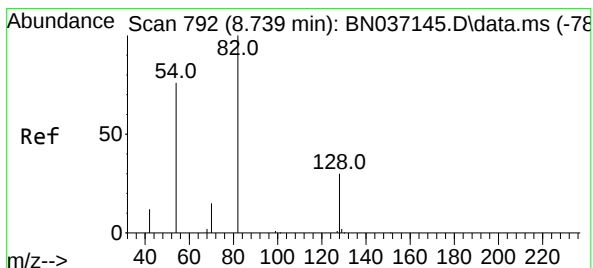
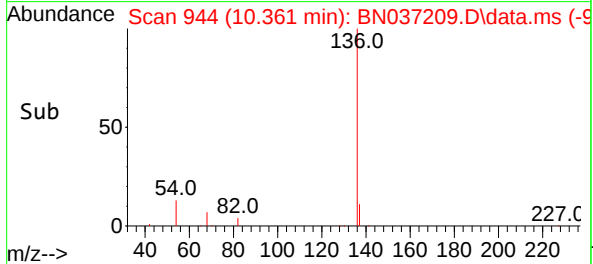
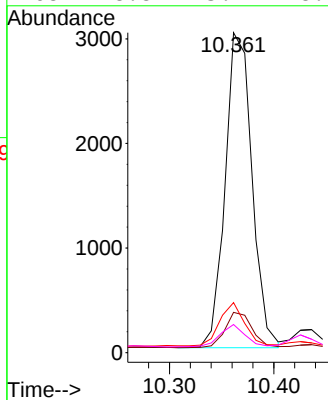
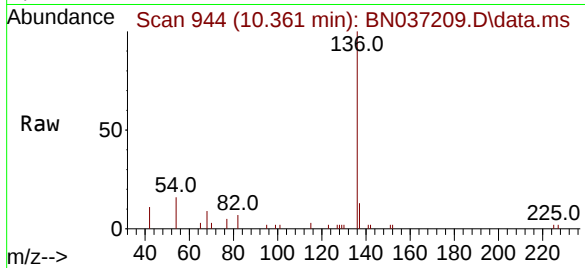




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

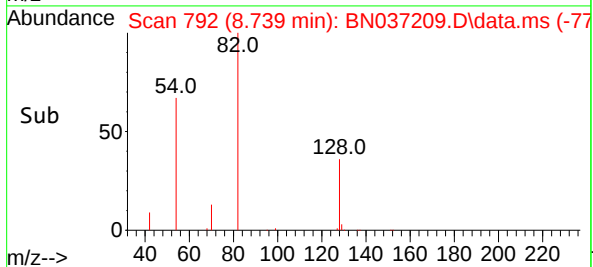
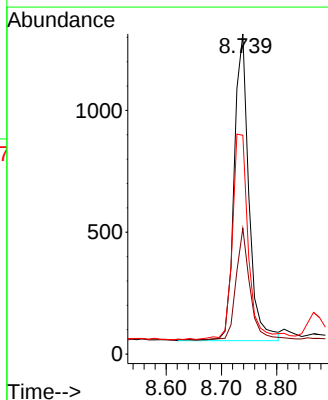
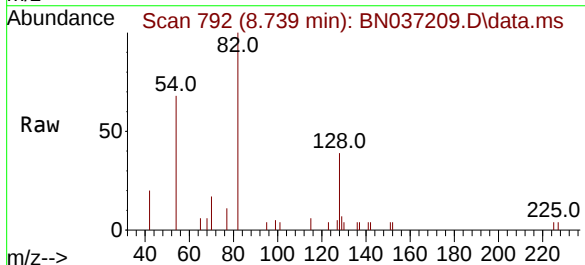
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

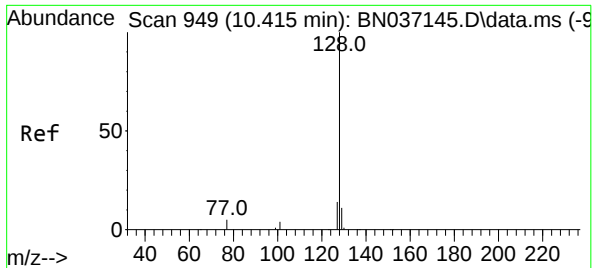
Tgt Ion:	136	Resp:	5375
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.6	9.7	14.5#
68	8.8	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.411 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:	82	Resp:	2331
Ion	Ratio	Lower	Upper
82	100		
128	39.3	26.9	40.3
54	68.3	61.4	92.2

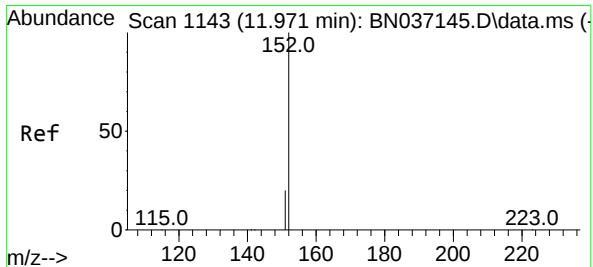
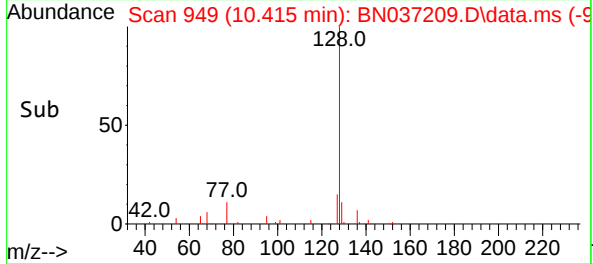
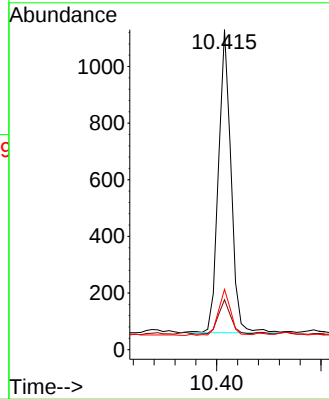
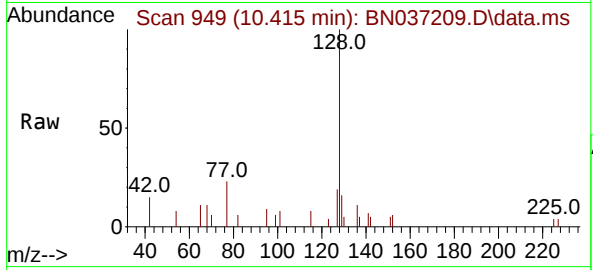




#9
Naphthalene
Concen: 0.115 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

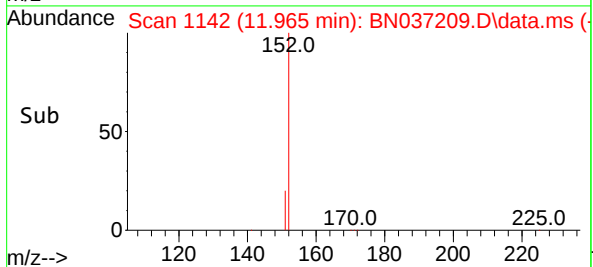
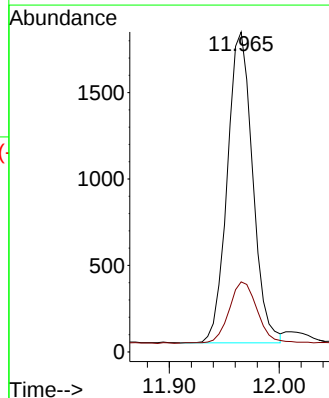
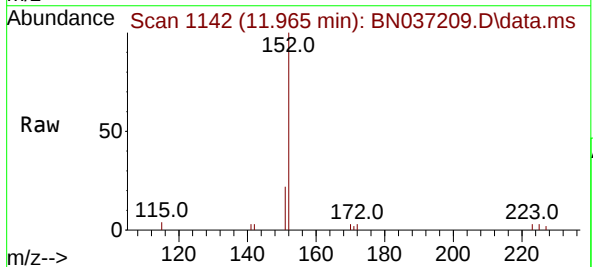
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

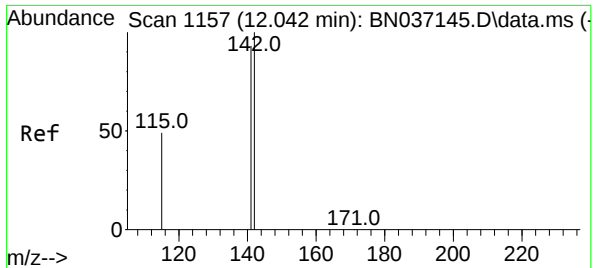
Tgt Ion:128 Resp: 1782
Ion Ratio Lower Upper
128 100
129 15.6 9.8 14.8#
127 18.8 12.3 18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:152 Resp: 2886
Ion Ratio Lower Upper
152 100
151 22.1 17.1 25.7

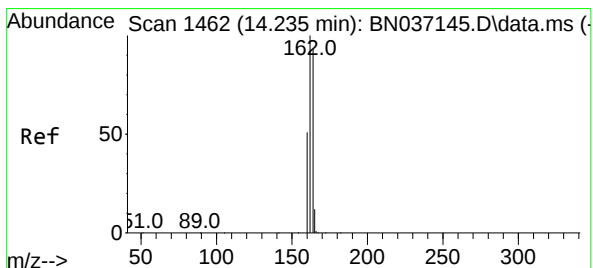
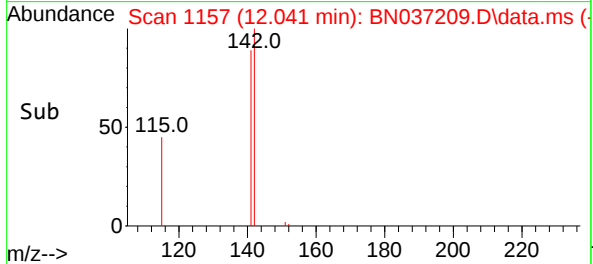
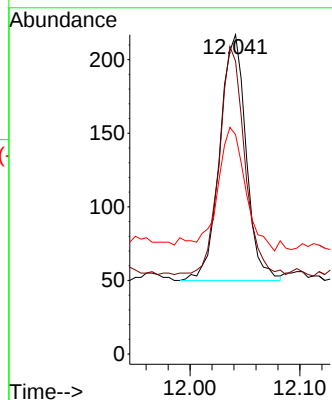
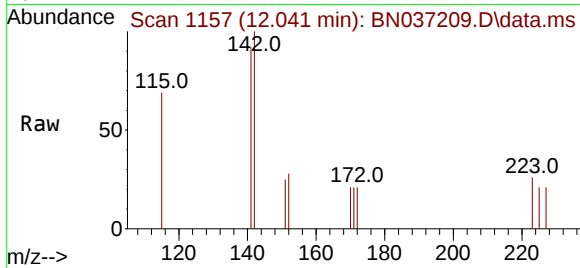




#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

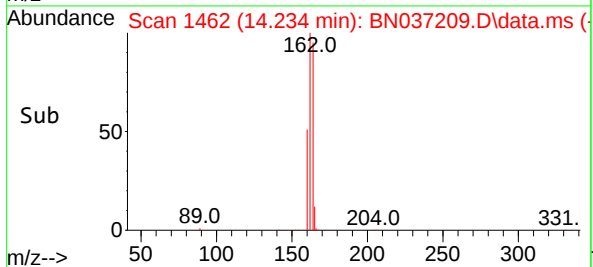
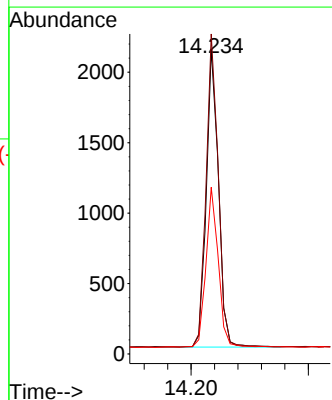
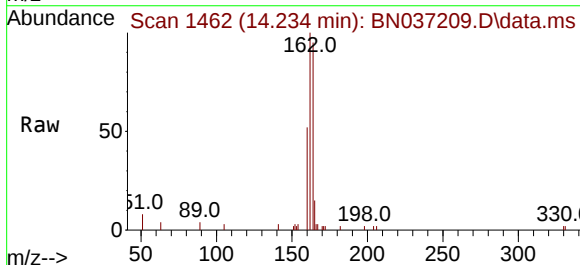
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

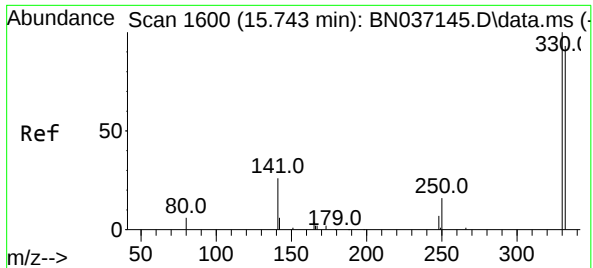
Tgt Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
141 91.7 74.6 111.8
115 68.7 41.0 61.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:164 Resp: 3061
Ion Ratio Lower Upper
164 100
162 105.0 85.5 128.3
160 54.7 44.6 67.0



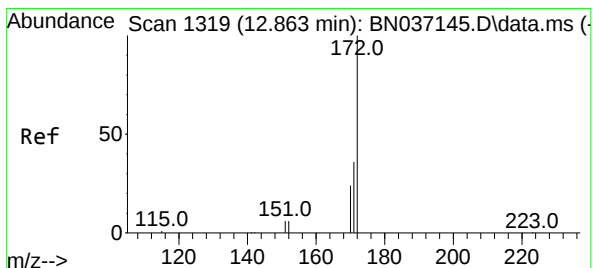
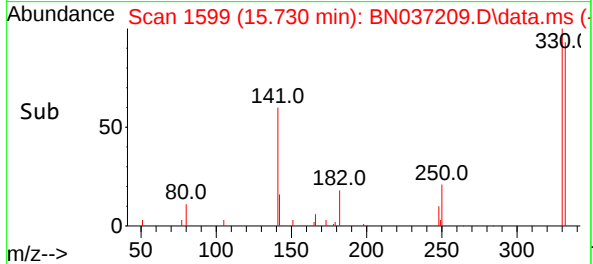
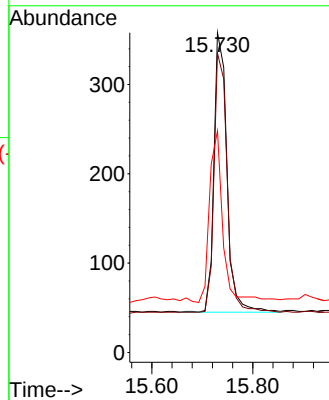
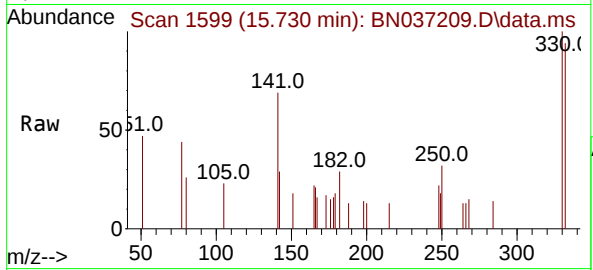


#14
2,4,6-Tribromophenol
Concen: 0.454 ng
RT: 15.730 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

Tgt Ion	330	Resp	560
Ion Ratio	100		
Lower	77.1		
Upper	115.7		

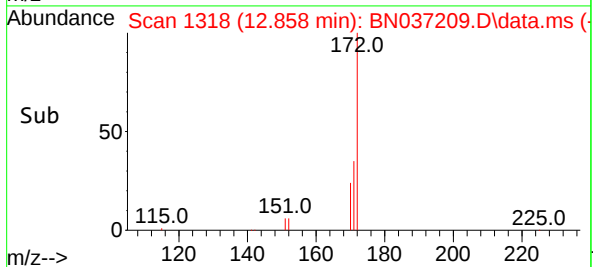
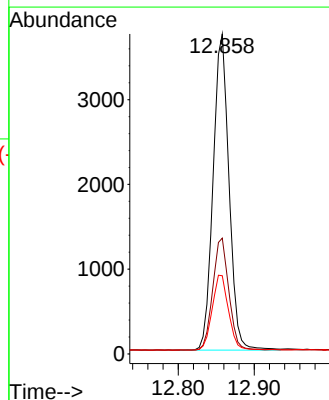
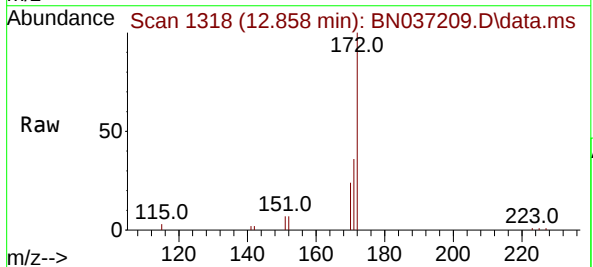
Ion	332	Ratio	Lower	Upper
330	100			
332	93.0	77.1	115.7	
141	62.0	46.4	69.6	

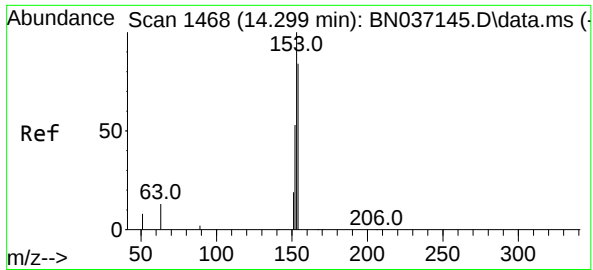


#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	172	Resp	5407
Ion Ratio	100		
Lower	29.6		
Upper	44.4		

Ion	171	Ratio	Lower	Upper
172	100			
171	36.2	29.6	44.4	
170	24.5	20.3	30.5	

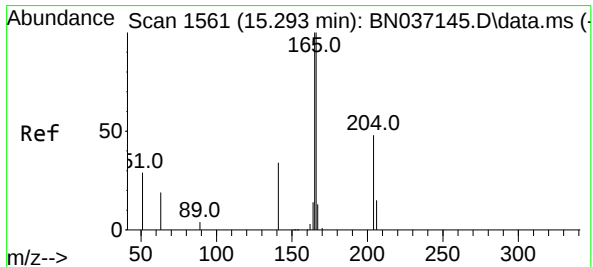
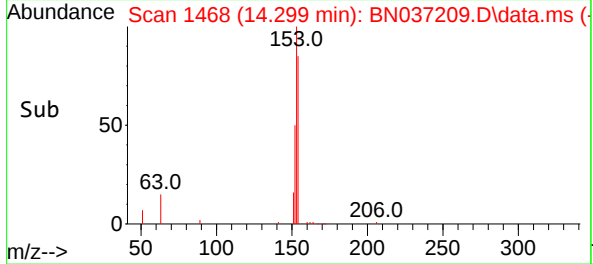
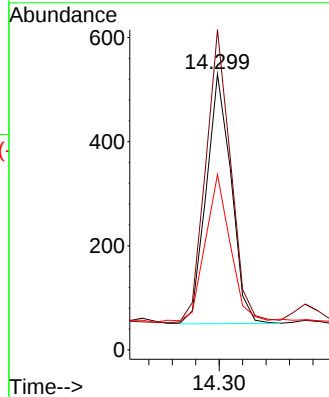
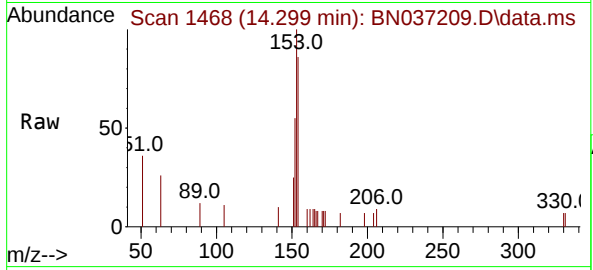




#17
Acenaphthene
Concen: 0.072 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

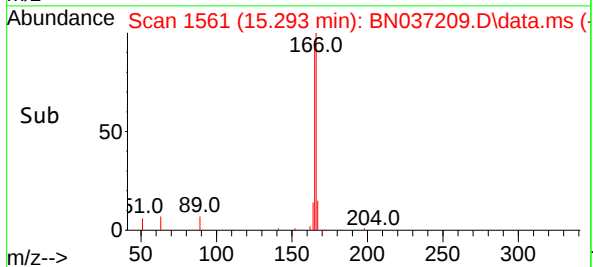
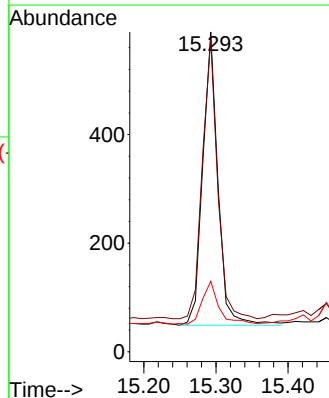
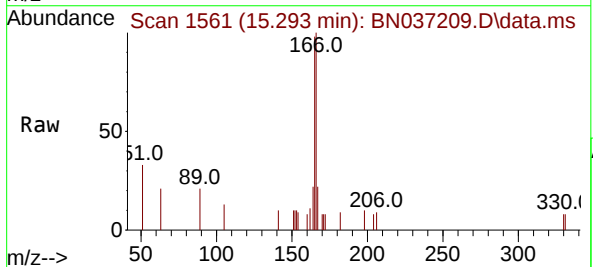
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

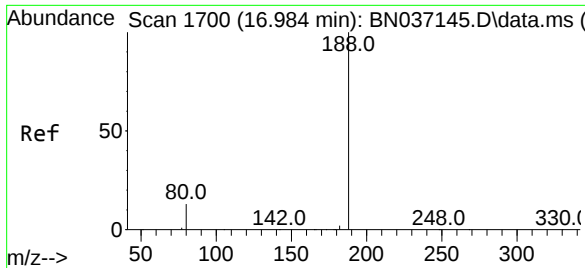
Tgt Ion:	154	Resp:	706
Ion	Ratio	Lower	Upper
154	100		
153	118.3	93.8	140.8
152	62.7	50.5	75.7



#18
Fluorene
Concen: 0.062 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:	166	Resp:	795
Ion	Ratio	Lower	Upper
166	100		
165	94.6	81.1	121.7
167	15.8	10.8	16.2

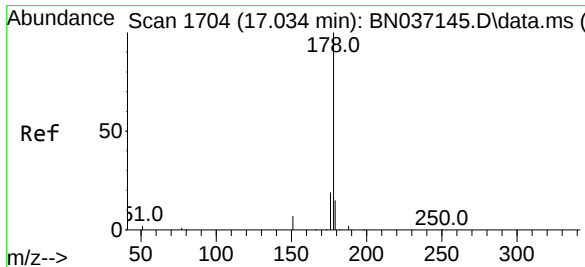
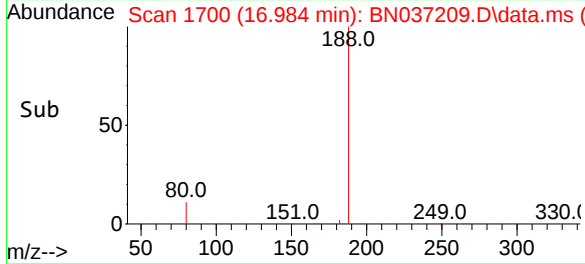
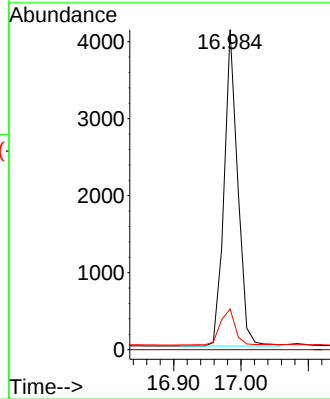
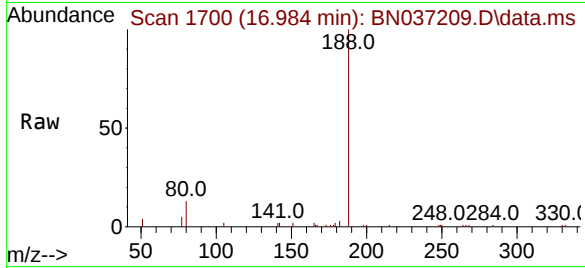




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

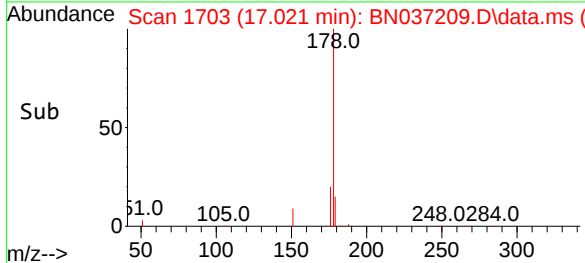
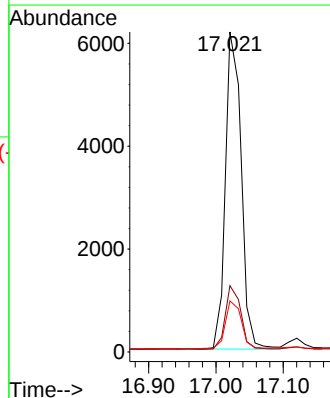
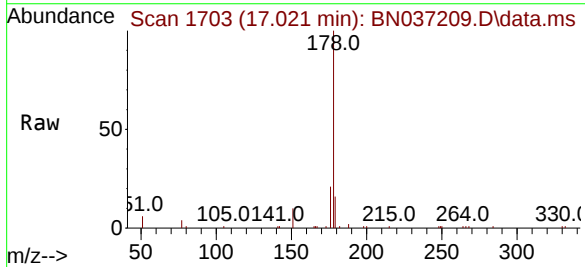
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

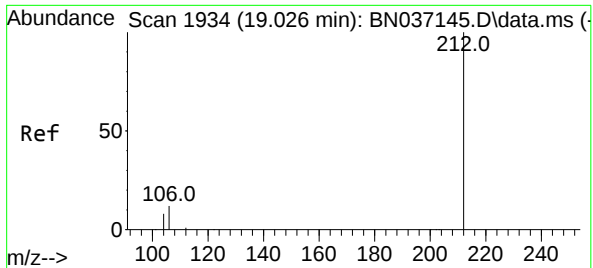
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	11.3	16.9



#25
Phenanthrene
Concen: 0.539 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.2	12.3	18.5

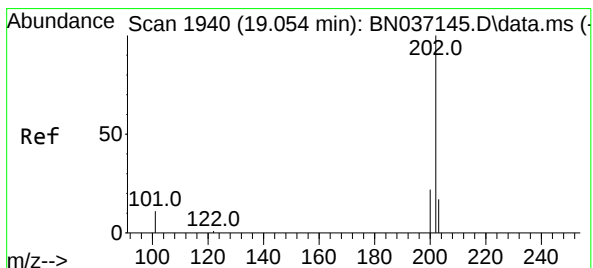
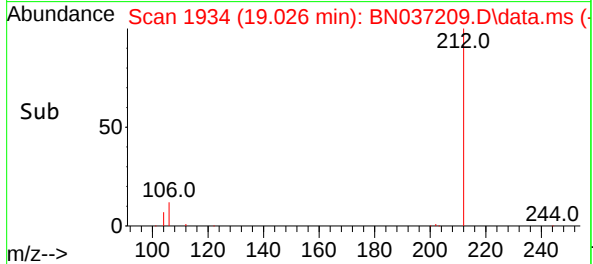
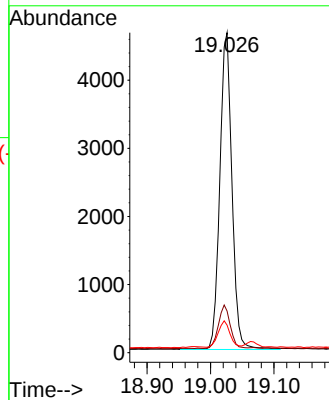
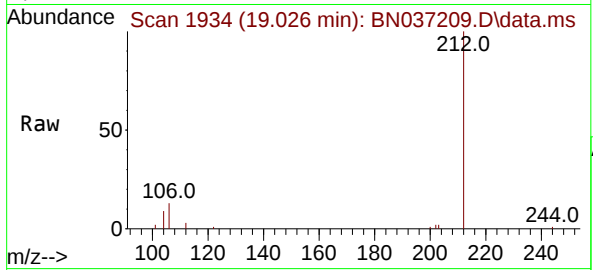




#27
Fluoranthene-d10
Concen: 0.422 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

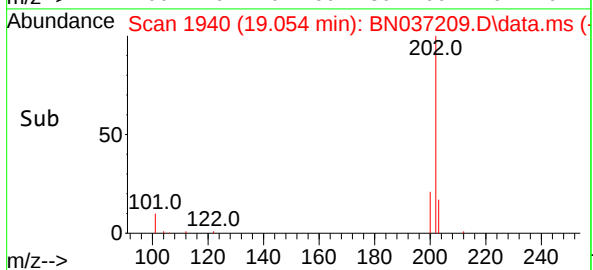
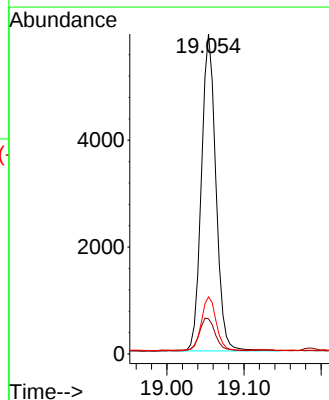
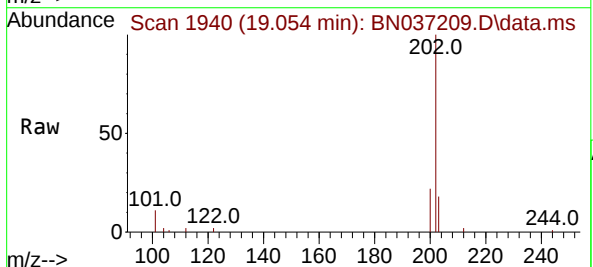
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

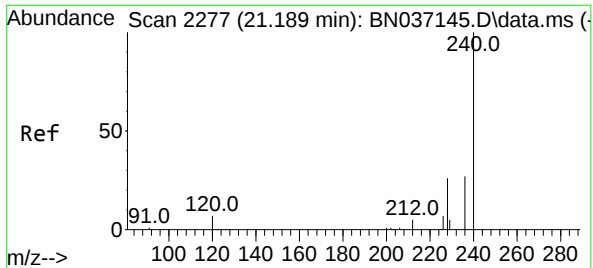
Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.3	10.6	15.8
104	8.2	6.6	9.8



#28
Fluoranthene
Concen: 0.376 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.7	13.1
203	17.1	13.5	20.3

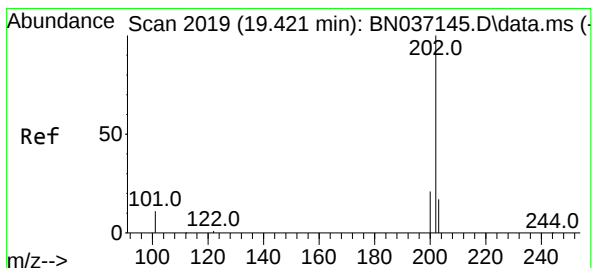
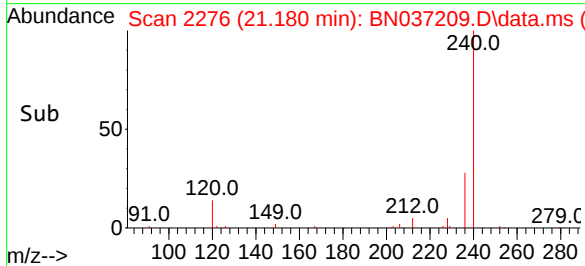
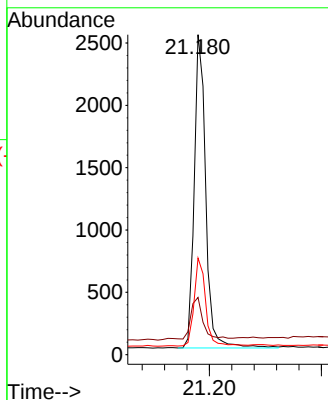
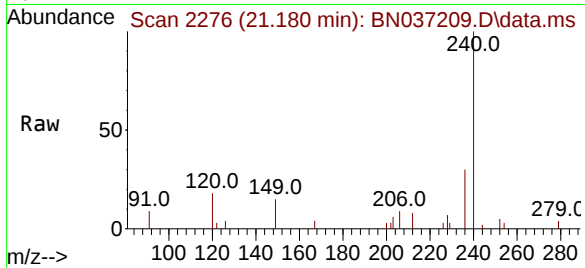




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

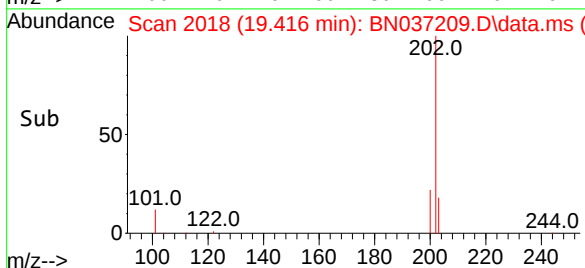
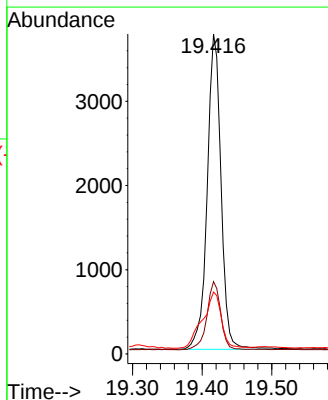
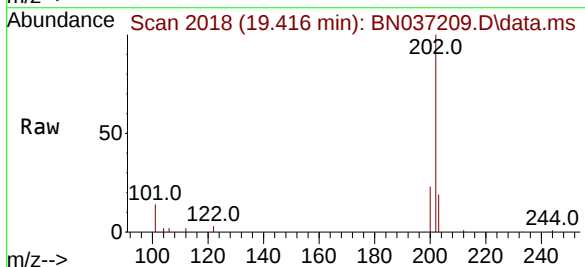
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

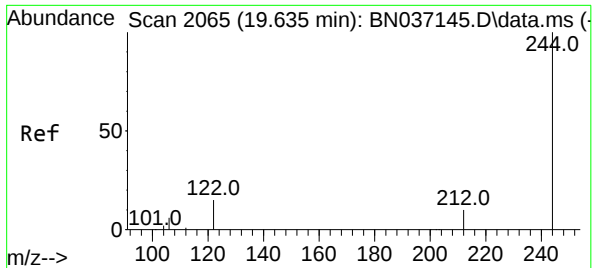
Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.9	9.0	13.4#
236	30.2	23.0	34.4



#30
Pyrene
Concen: 0.294 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.6
203	24.1	14.2	21.4#

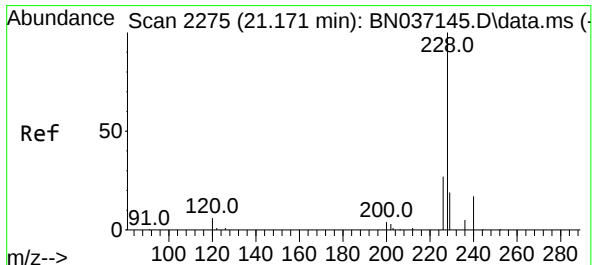
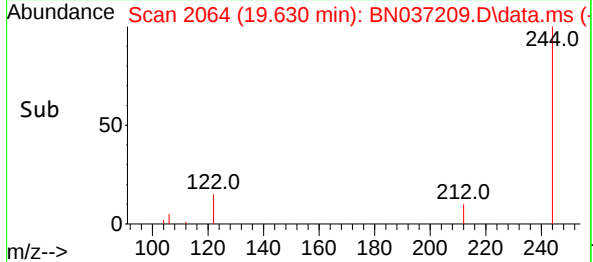
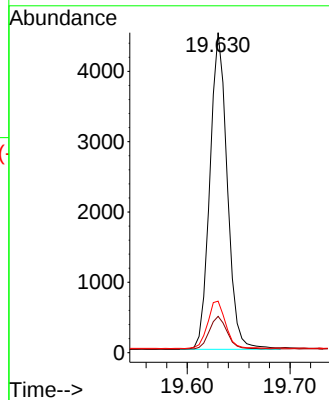
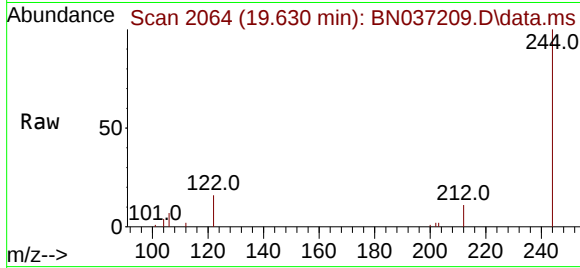




#31
Terphenyl-d14
Concen: 0.625 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

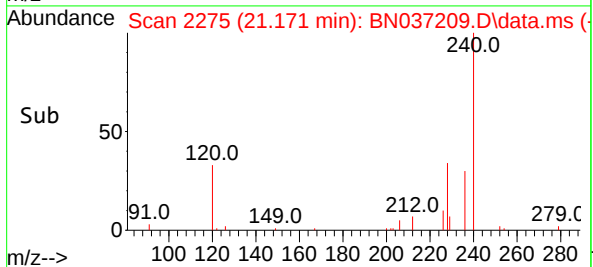
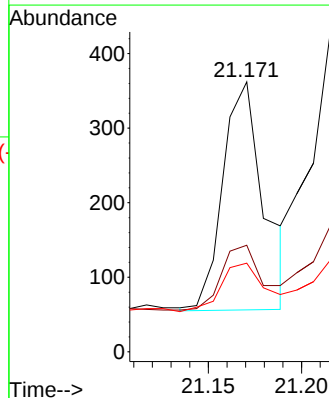
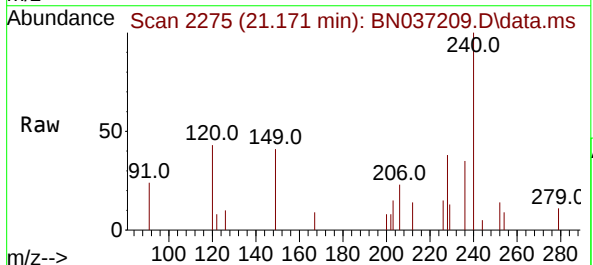
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

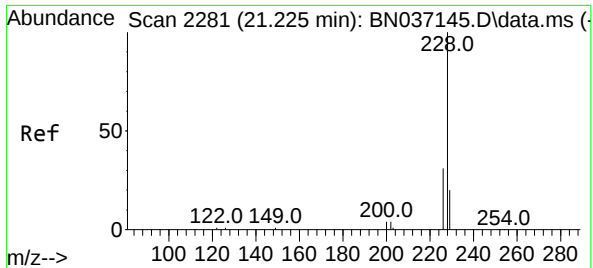
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.3	10.0	15.0
122	16.1	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.036 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.6	33.8#
229	32.9	16.2	24.2#





#33

Chrysene

Concen: 0.046 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

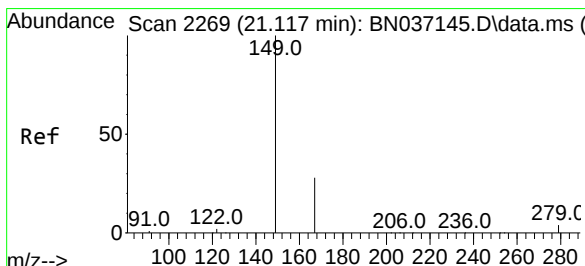
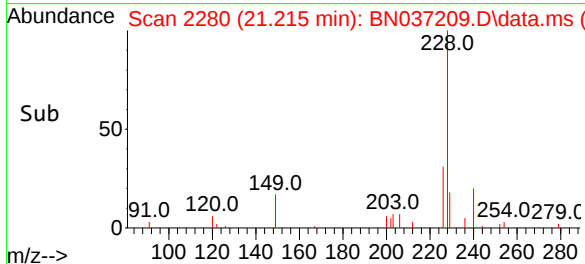
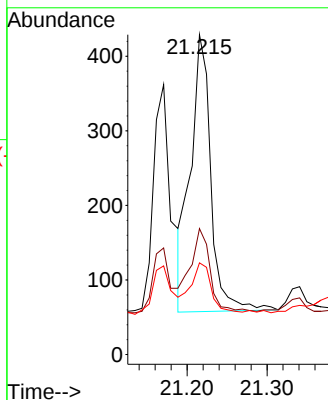
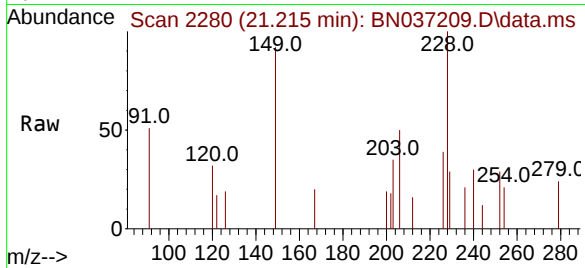
Tgt Ion:228 Resp: 659

Ion Ratio Lower Upper

228 100

226 39.4 25.2 37.8#

229 28.7 16.8 25.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.154 ng

RT: 21.108 min Scan# 2268

Delta R.T. -0.009 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

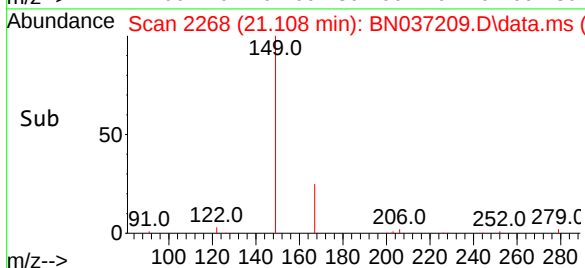
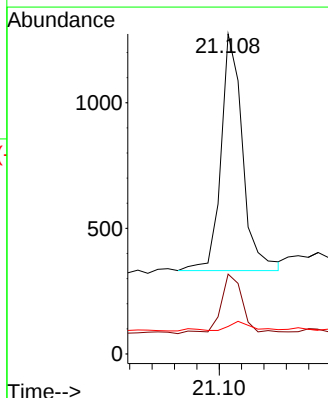
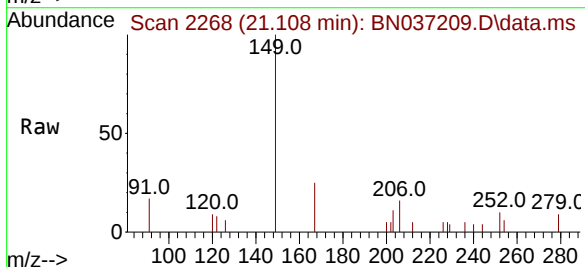
Tgt Ion:149 Resp: 1263

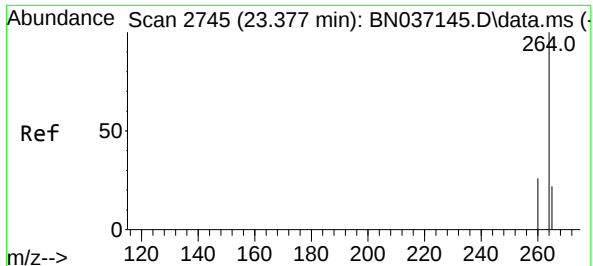
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.4

279 3.7 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037209.D

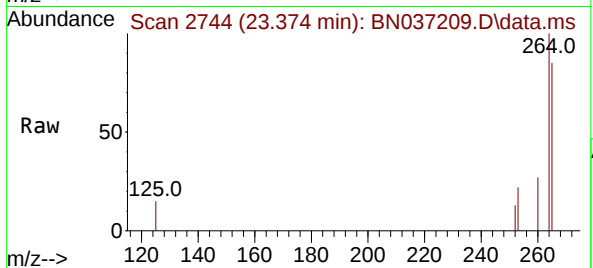
Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425



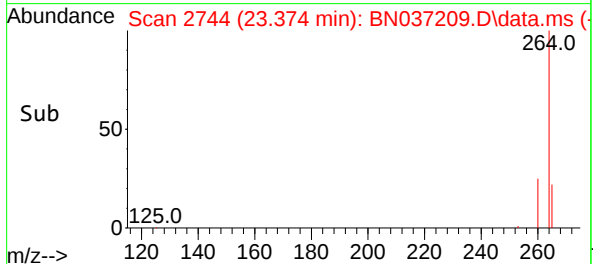
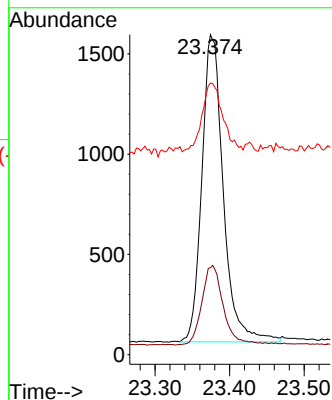
Tgt Ion:264 Resp: 3061

Ion Ratio Lower Upper

264 100

260 27.2 22.1 33.1

265 84.8 55.8 83.8#



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-19B-72-060425DL	SDG No.:	Q2234
Lab Sample ID:	Q2234-07DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037213.D	2	06/06/25 11:54	06/10/25 09:49	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.20	D	0.13	0.41	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.41		30 (20) - 150 (139)	101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 (54) - 150 (157)	108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		30 (27) - 130 (154)	104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.44		30 (30) - 130 (155)	110%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.62	*	30 (54) - 130 (175)	154%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1880		7.582		
1146-65-2	Naphthalene-d8	4810		10.362		
15067-26-2	Acenaphthene-d10	2600		14.235		
1517-22-2	Phenanthrene-d10	4390		16.984		
1719-03-5	Chrysene-d12	2810		21.189		
1520-96-3	Perylene-d12	2750		23.38		

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_N\Data\BN060925\
 Data File : BN037213.D
 Acq On : 10 Jun 2025 09:49
 Operator : RC/JU
 Sample : Q2234-07DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425DL

Quant Time: Jun 10 10:51:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

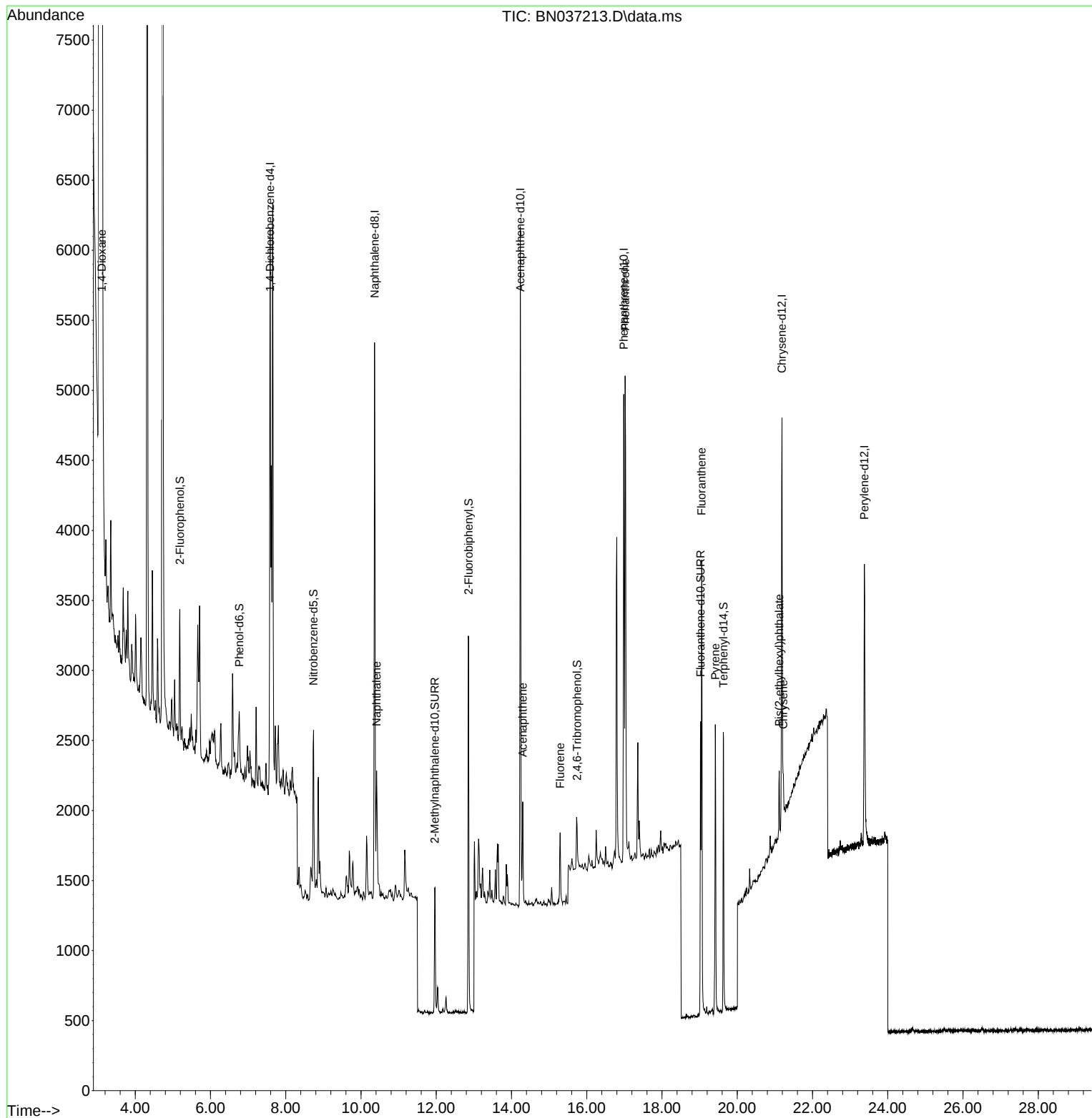
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	1883	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4807	0.400	ng	-0.01
13) Acenaphthene-d10	14.235	164	2597	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4389	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2810	0.400	ng	# 0.00
35) Perylene-d12	23.380	264	2751	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	530	0.114	ng	0.00
5) Phenol-d6	6.766	99	394	0.070	ng	0.00
8) Nitrobenzene-d5	8.739	82	1062	0.209	ng	0.00
11) 2-Methylnaphthalene-d10	11.961	152	1359	0.203	ng	-0.01
14) 2,4,6-Tribromophenol	15.743	330	218	0.208	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	2439	0.220	ng	0.00
27) Fluoranthene-d10	19.026	212	2415	0.217	ng	0.00
31) Terphenyl-d14	19.630	244	2038	0.308	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.112	88	7647	3.047	ng	98
9) Naphthalene	10.415	128	829	0.060	ng	# 83
17) Acenaphthene	14.299	154	316	0.038	ng	98
18) Fluorene	15.293	166	334	0.031	ng	# 91
25) Phenanthrene	17.021	178	3983	0.280	ng	99
28) Fluoranthene	19.054	202	2915	0.186	ng	99
30) Pyrene	19.416	202	1996	0.146	ng	# 94
33) Chrysene	21.225	228	295	0.026	ng	# 64
34) Bis(2-ethylhexyl)phtha...	21.117	149	620	0.097	ng	# 88

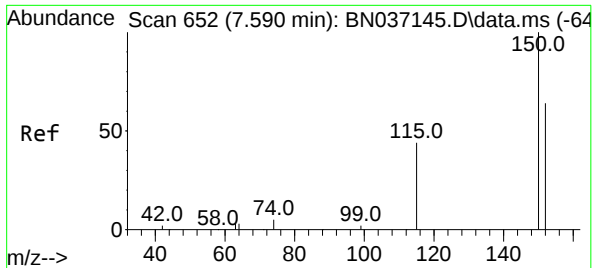
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037213.D
Acq On : 10 Jun 2025 09:49
Operator : RC/JU
Sample : Q2234-07DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

Quant Time: Jun 10 10:51:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

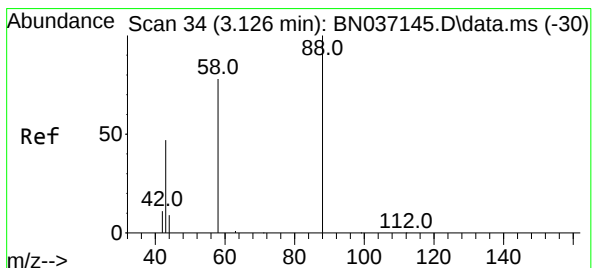
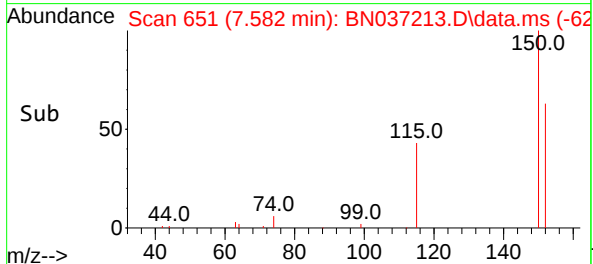
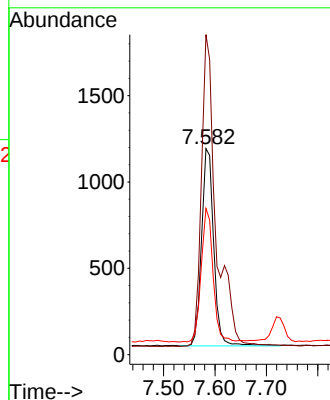
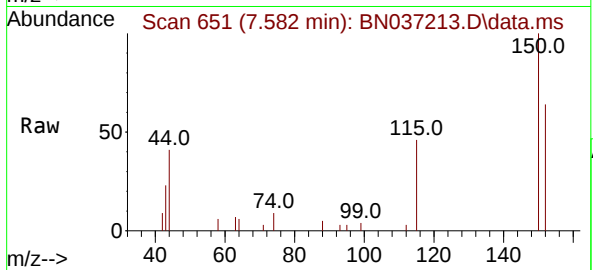




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

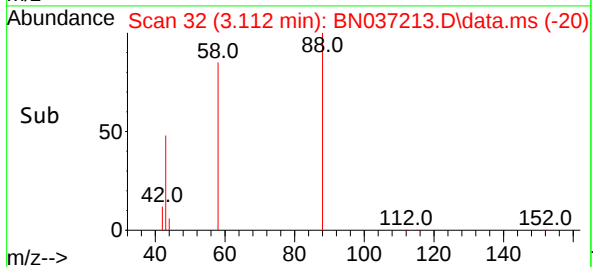
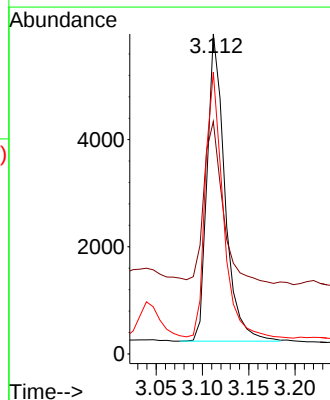
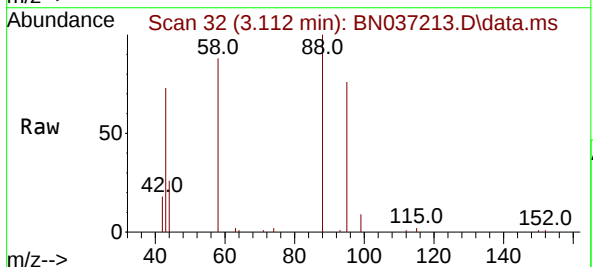
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

Tgt Ion:152 Resp: 1883
Ion Ratio Lower Upper
152 100
150 155.3 123.2 184.8
115 71.0 56.6 85.0

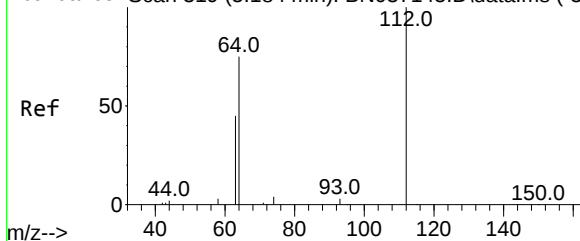


#2
1,4-Dioxane
Concen: 3.047 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.014 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

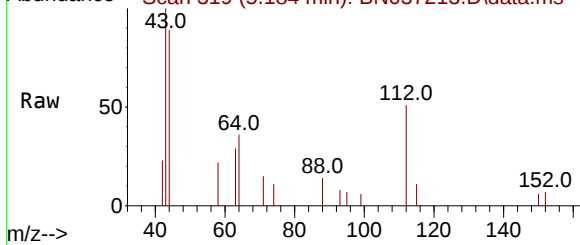
Tgt Ion: 88 Resp: 7647
Ion Ratio Lower Upper
88 100
43 55.1 43.5 65.3
58 86.8 67.7 101.5



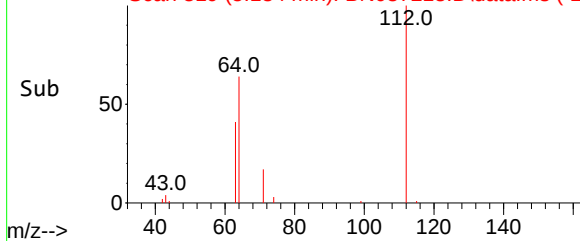
Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



Abundance Scan 319 (5.184 min): BN037213.D\data.ms



Abundance Scan 319 (5.184 min): BN037213.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.114 ng

RT: 5.184 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037213.D

Acq: 10 Jun 2025 09:49

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425DL

Tgt Ion:112 Resp: 530

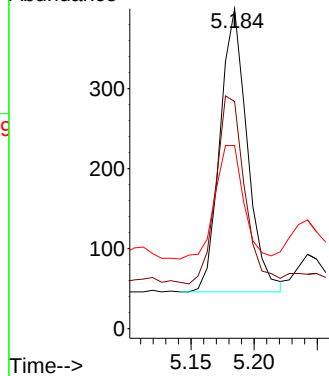
Ion Ratio Lower Upper

112 100

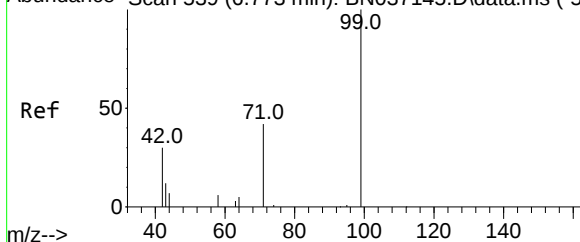
64 69.8 56.3 84.5

63 42.8 36.2 54.4

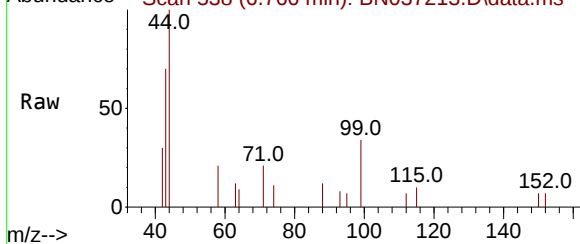
Abundance



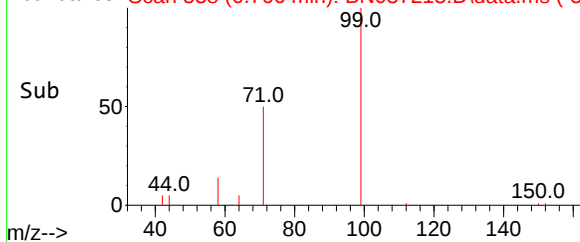
Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



Abundance Scan 538 (6.766 min): BN037213.D\data.ms



Abundance Scan 538 (6.766 min): BN037213.D\data.ms (-51



#5

Phenol-d6

Concen: 0.070 ng

RT: 6.766 min Scan# 538

Delta R.T. -0.007 min

Lab File: BN037213.D

Acq: 10 Jun 2025 09:49

Tgt Ion: 99 Resp: 394

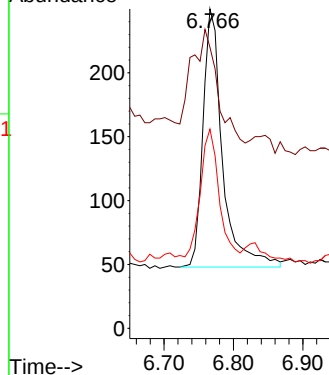
Ion Ratio Lower Upper

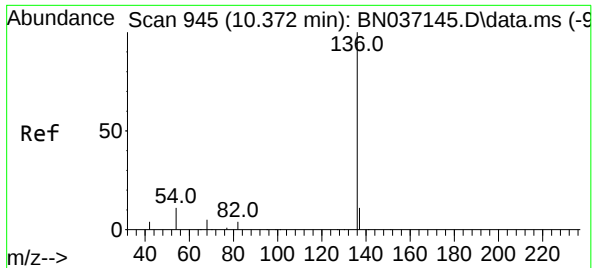
99 100

42 58.4 31.3 46.9#

71 48.7 38.2 57.2

Abundance

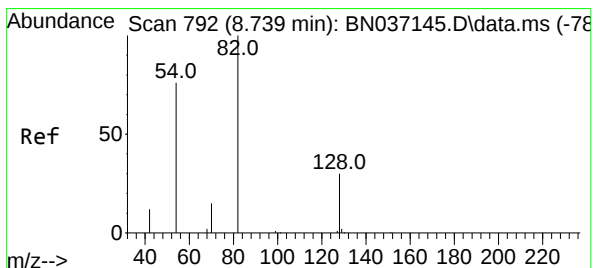
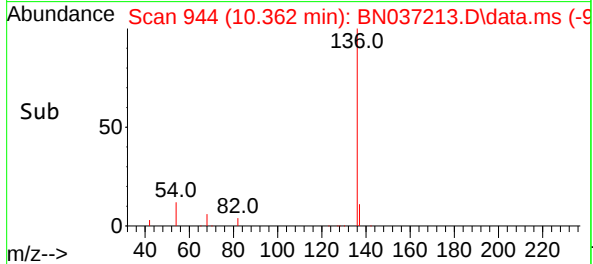
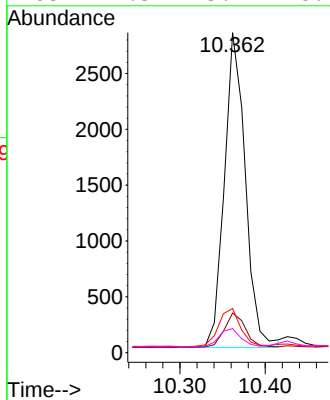
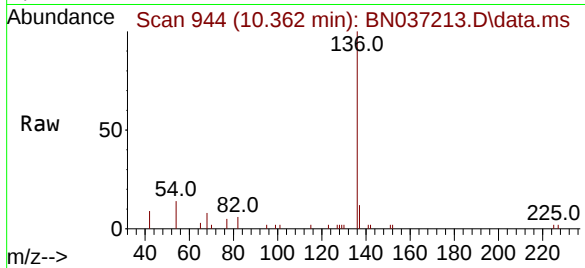




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

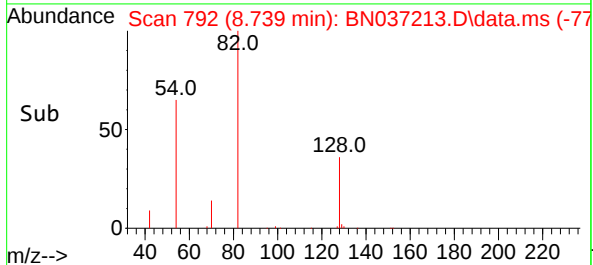
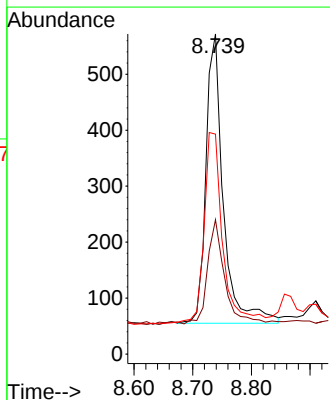
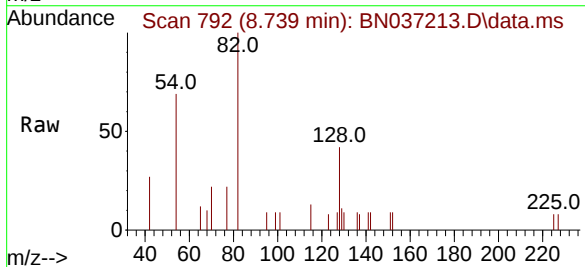
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

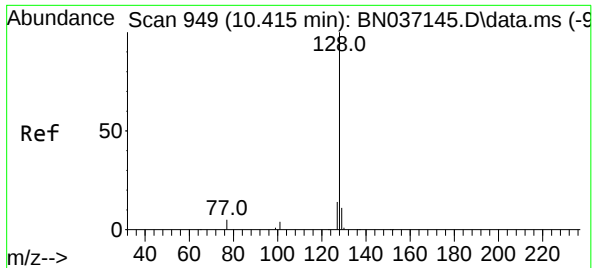
Tgt Ion:	136	Resp:	4807
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	13.8	9.7	14.5
68	7.5	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.209 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	82	Resp:	1062
Ion	Ratio	Lower	Upper
82	100		
128	42.0	26.9	40.3
54	68.7	61.4	92.2

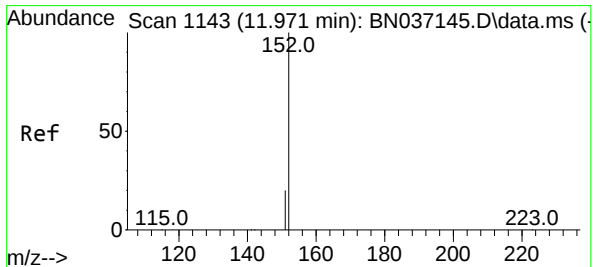
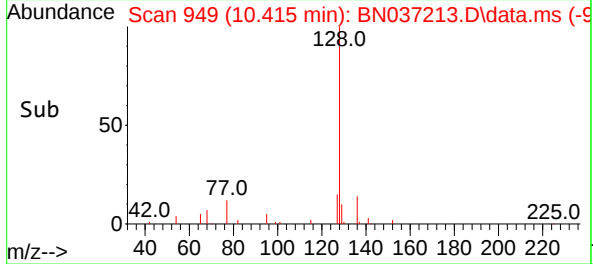
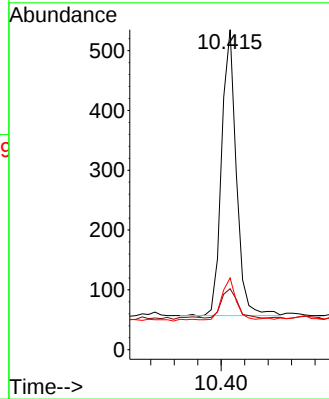
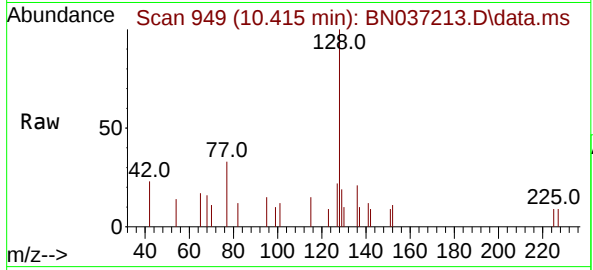




#9
Naphthalene
Concen: 0.060 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

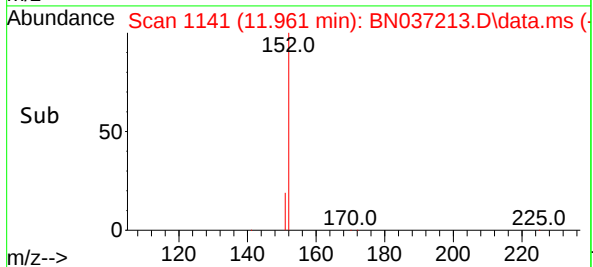
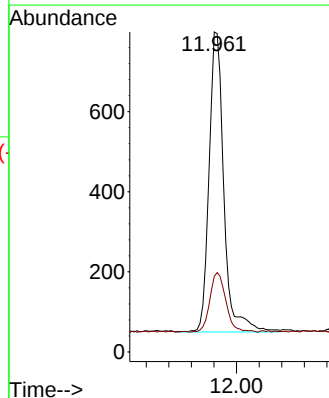
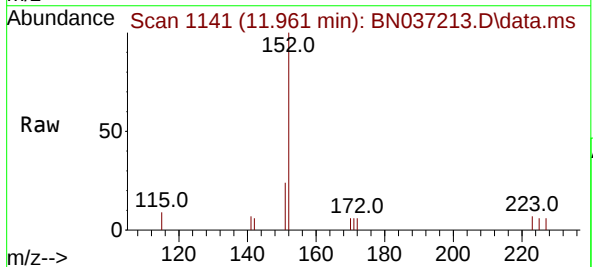
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

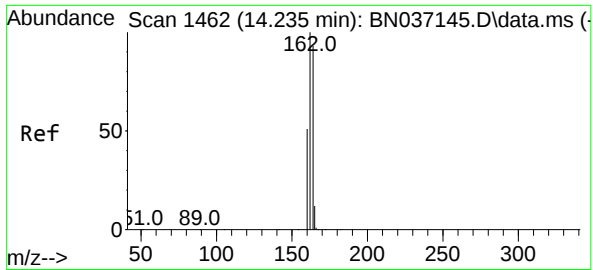
Tgt Ion:128 Resp: 829
Ion Ratio Lower Upper
128 100
129 19.1 9.8 14.8#
127 22.4 12.3 18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 11.961 min Scan# 1141
Delta R.T. -0.010 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:152 Resp: 1359
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7

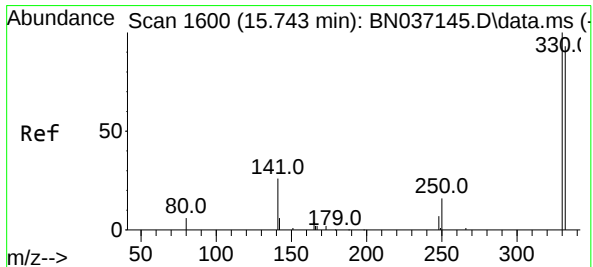
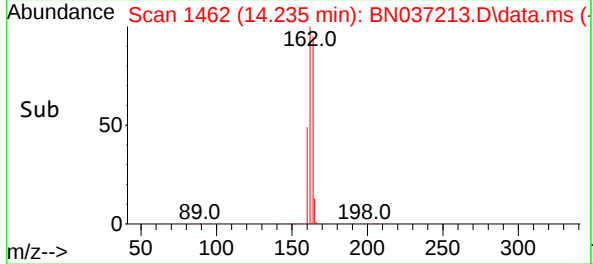
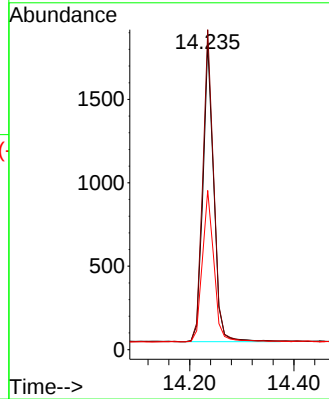
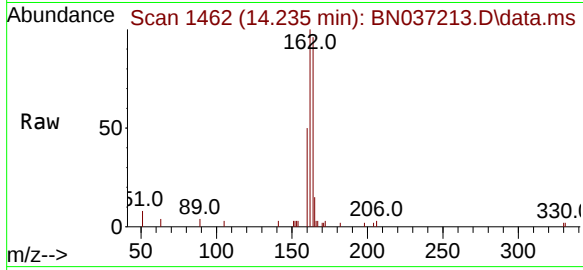




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

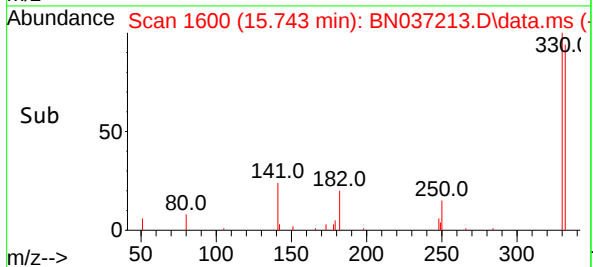
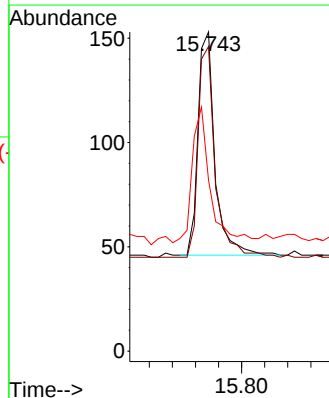
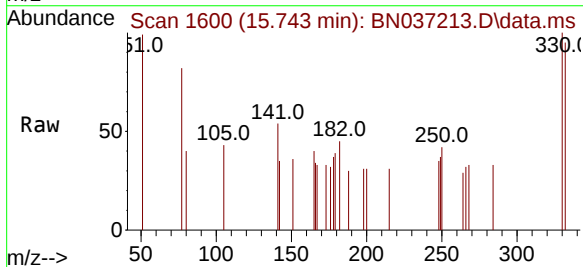
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

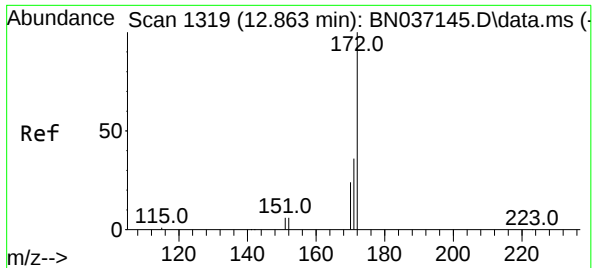
Tgt Ion:164 Resp: 2597
Ion Ratio Lower Upper
164 100
162 104.4 85.5 128.3
160 51.9 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.208 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:330 Resp: 218
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 63.8 46.4 69.6

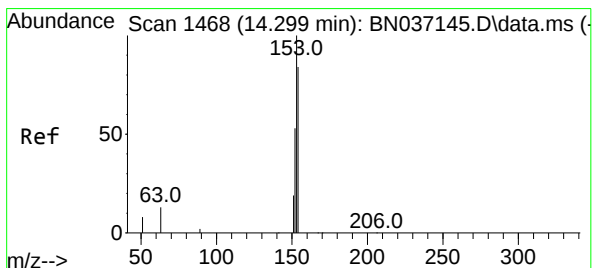
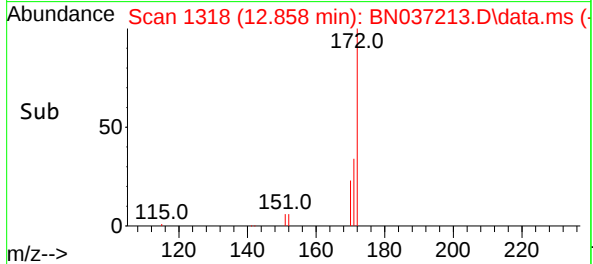
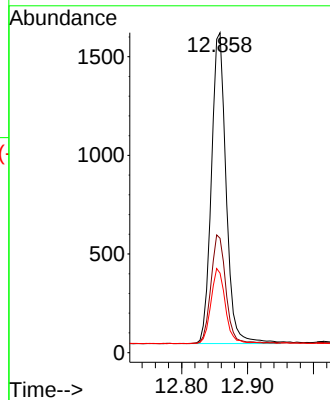
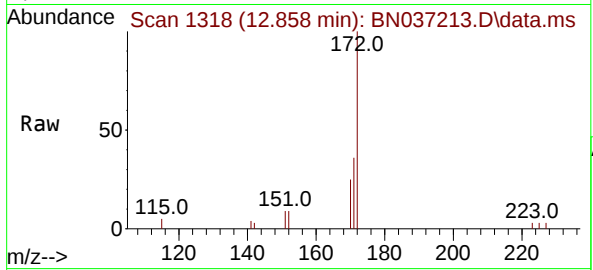




#15
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

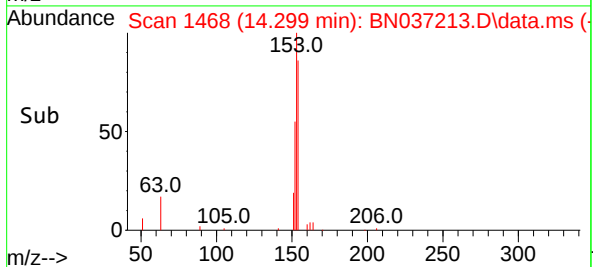
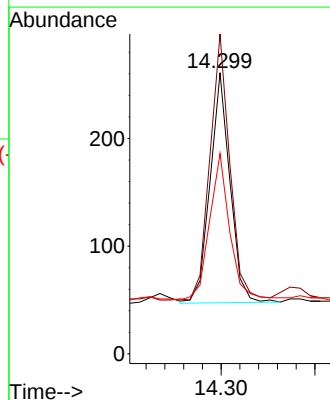
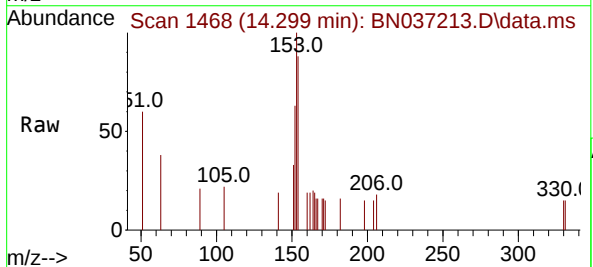
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

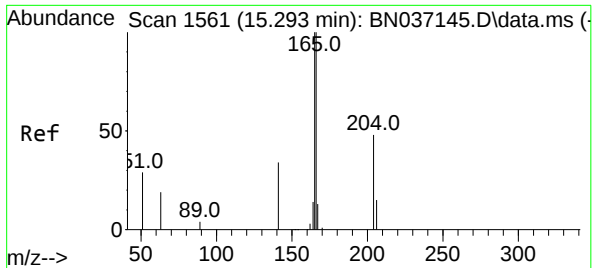
Tgt Ion:172 Resp: 2439
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.8 20.3 30.5



#17
Acenaphthene
Concen: 0.038 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:154 Resp: 316
Ion Ratio Lower Upper
154 100
153 115.2 93.8 140.8
152 65.2 50.5 75.7

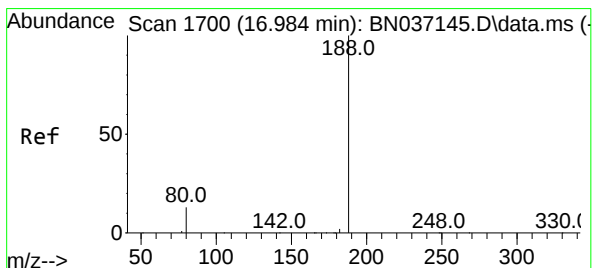
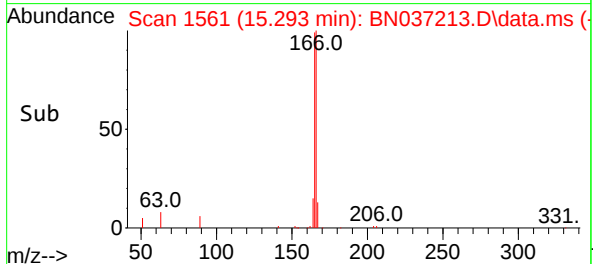
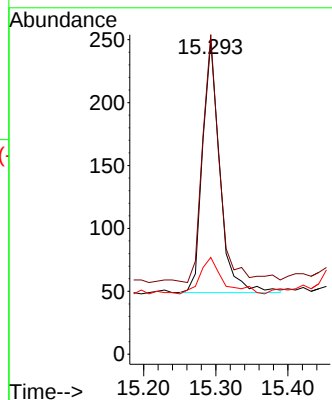
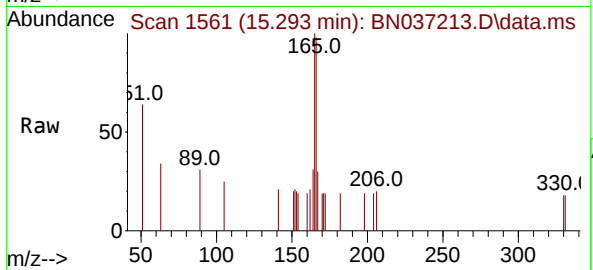




#18
Fluorene
Concen: 0.031 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

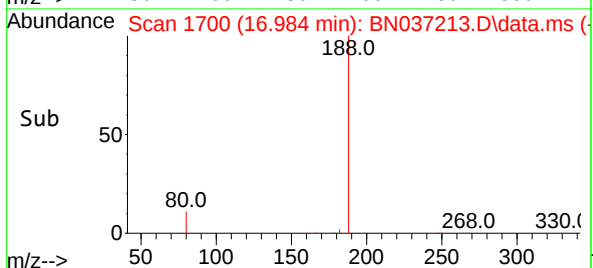
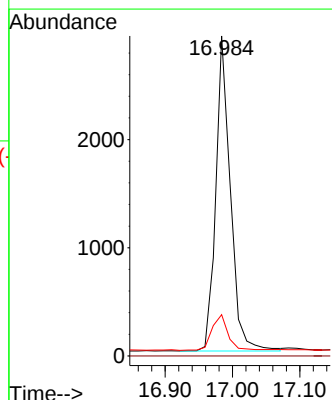
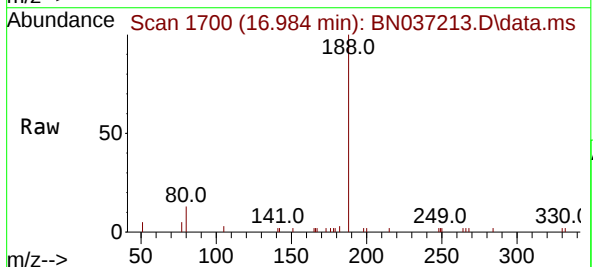
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

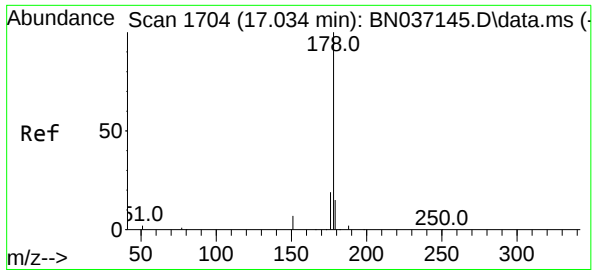
Tgt Ion:166 Resp: 334
Ion Ratio Lower Upper
166 100
165 92.5 81.1 121.7
167 18.9 10.8 16.2#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:188 Resp: 4389
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 11.3 16.9

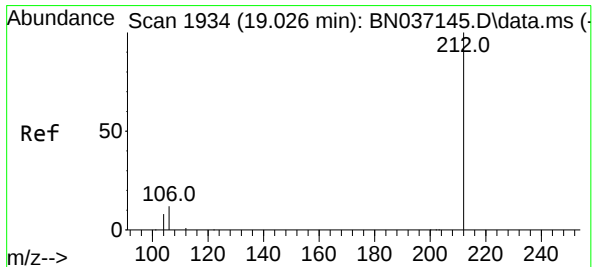
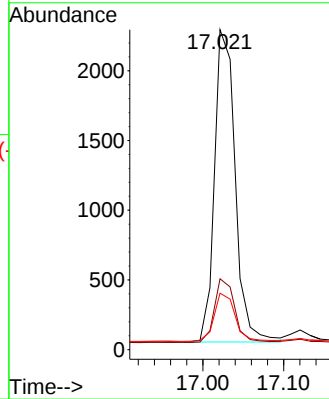
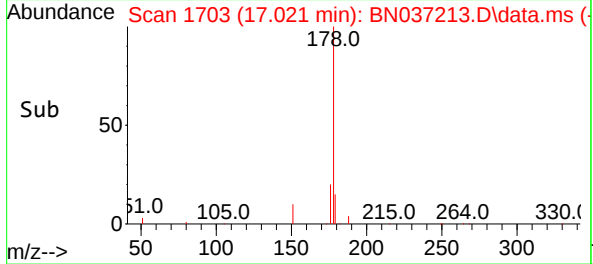
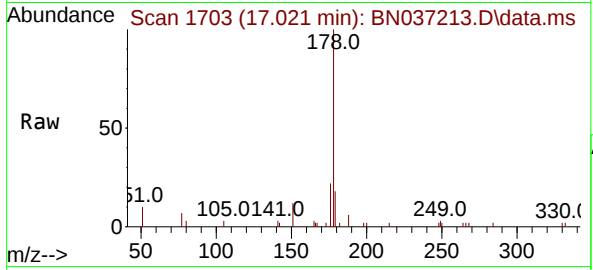




#25
Phenanthrene
Concen: 0.280 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

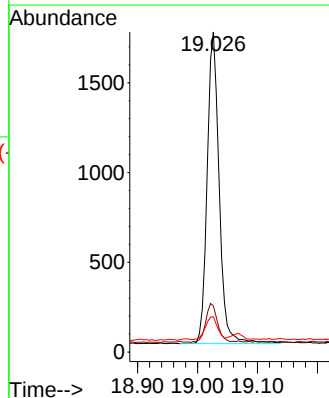
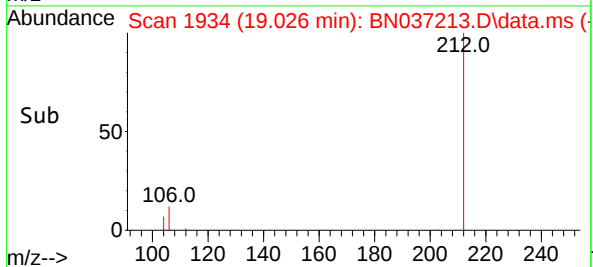
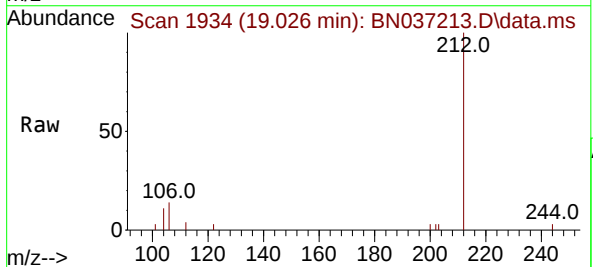
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

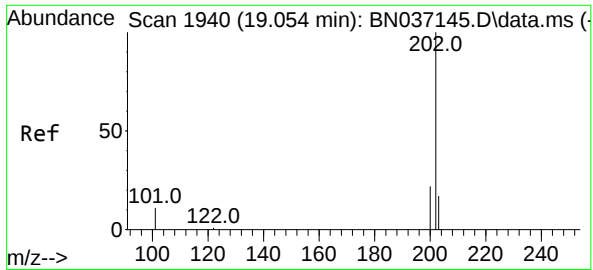
Tgt Ion:178 Resp: 3983
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.6 12.3 18.5



#27
Fluoranthene-d10
Concen: 0.217 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:212 Resp: 2415
Ion Ratio Lower Upper
212 100
106 12.3 10.6 15.8
104 7.5 6.6 9.8

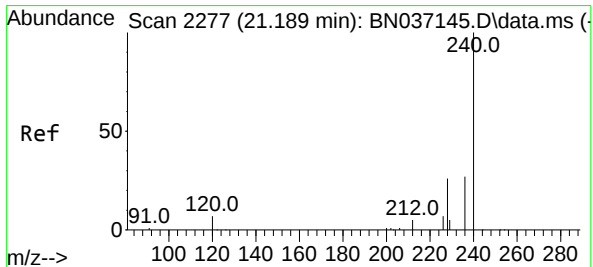
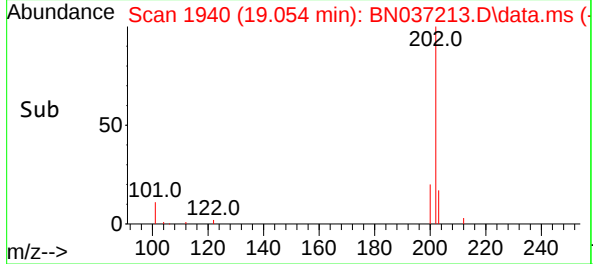
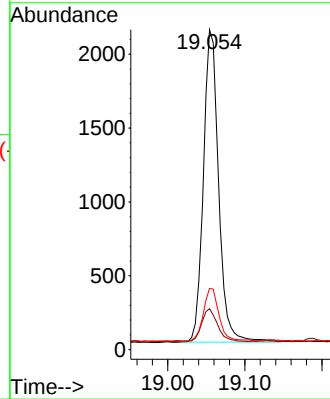
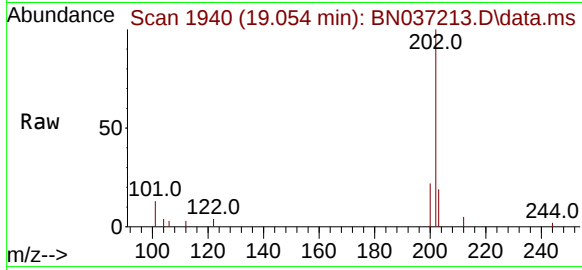




#28
Fluoranthene
Concen: 0.186 ng
RT: 19.054 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

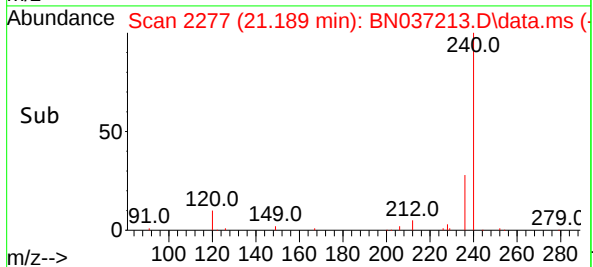
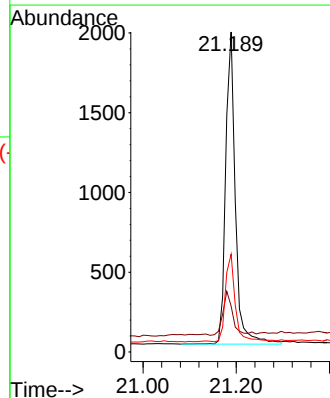
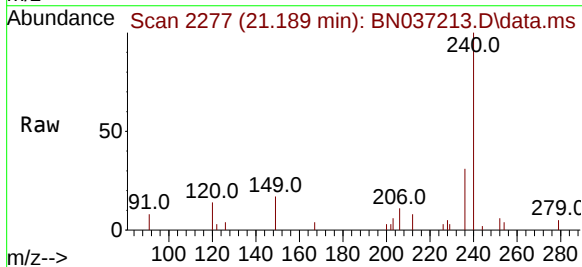
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

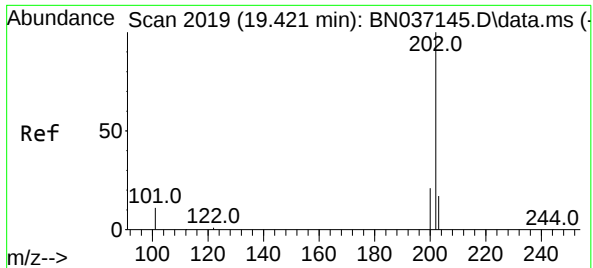
Tgt Ion:	202	Resp:	2915
Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.7	13.1
203	17.3	13.5	20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	240	Resp:	2810
Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.0	13.4#
236	30.6	23.0	34.4

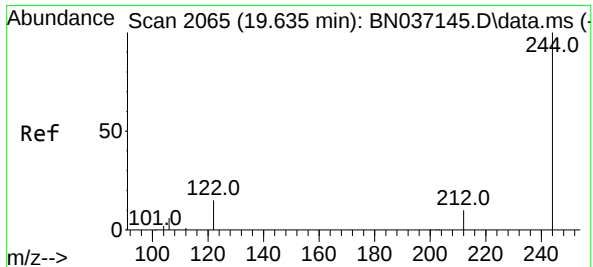
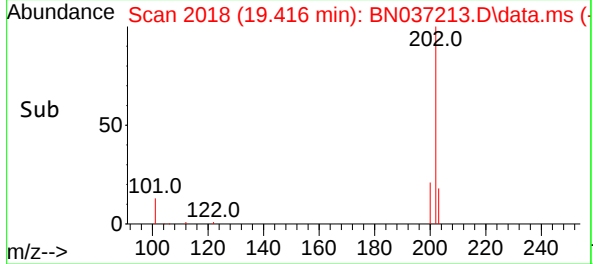
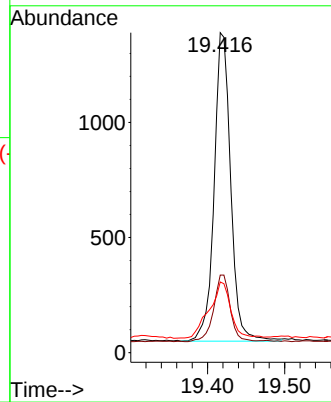
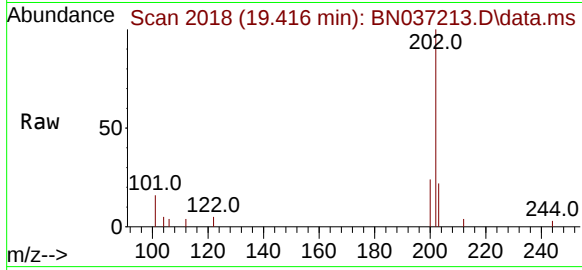




#30
Pyrene
Concen: 0.146 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

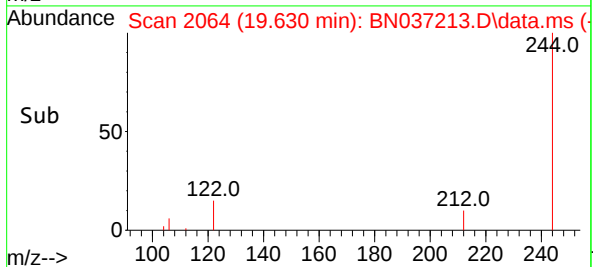
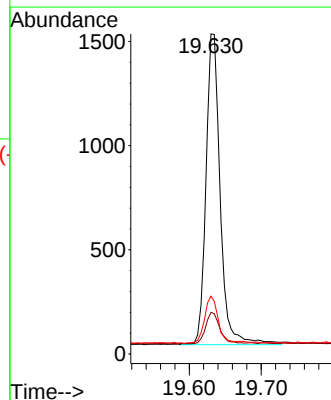
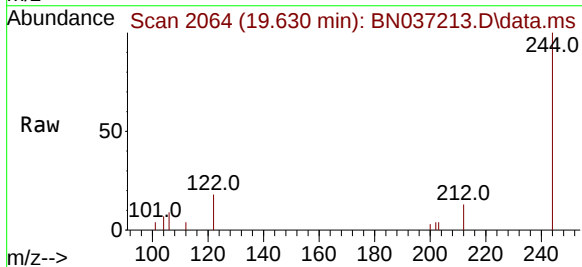
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

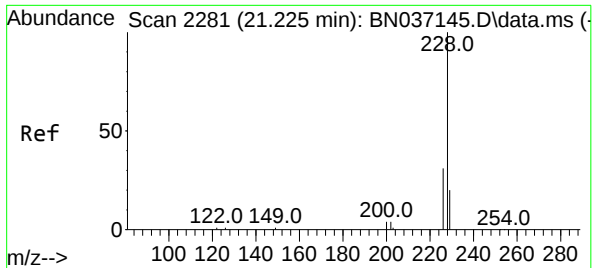
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	23.7	14.2	21.4



#31
Terphenyl-d14
Concen: 0.308 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.0	10.0	15.0
122	18.0	13.2	19.8

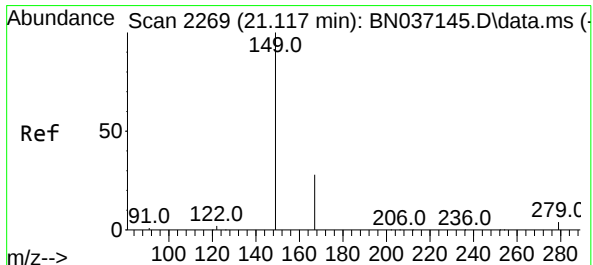
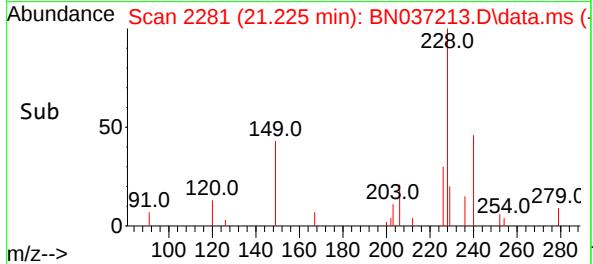
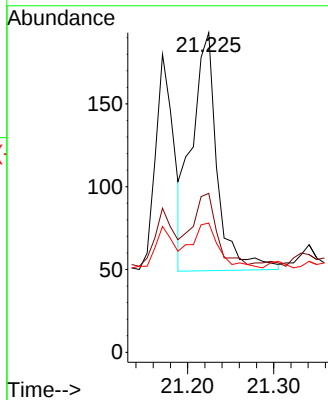
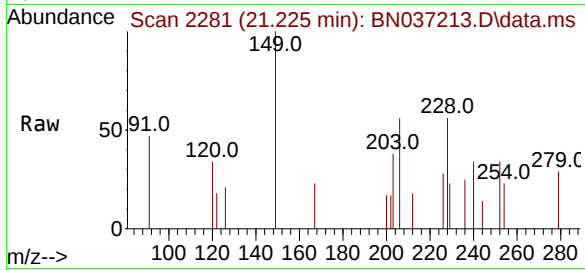




#33
Chrysene
Concen: 0.026 ng
RT: 21.225 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

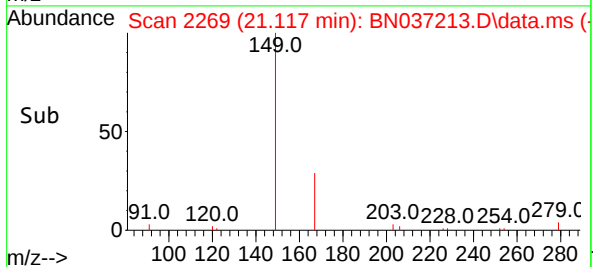
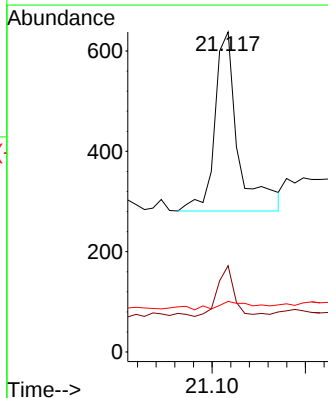
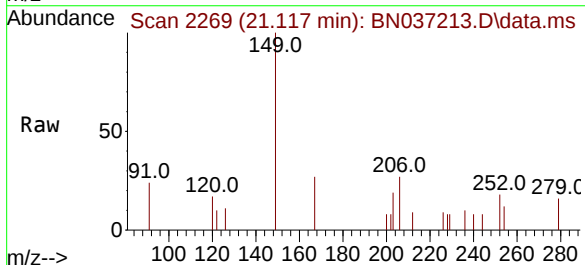
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

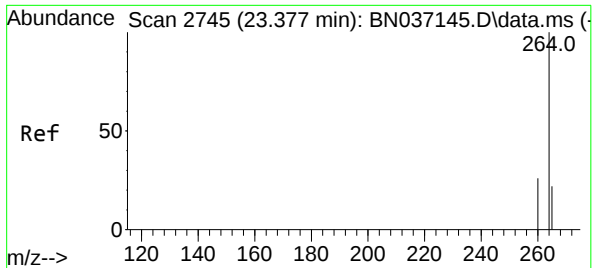
Tgt Ion	Ratio	Lower	Upper
228	100		
226	49.7	25.2	37.8#
229	40.4	16.8	25.2#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.097 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	20.0	21.0	31.4#
279	7.6	2.9	4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.380 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037213.D

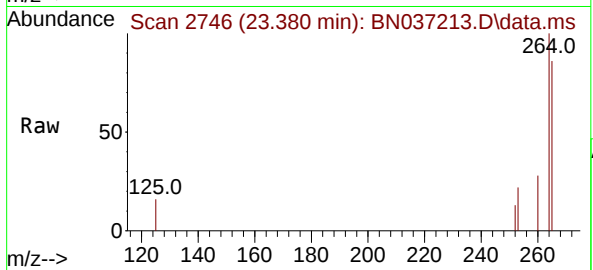
Acq: 10 Jun 2025 09:49

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425DL



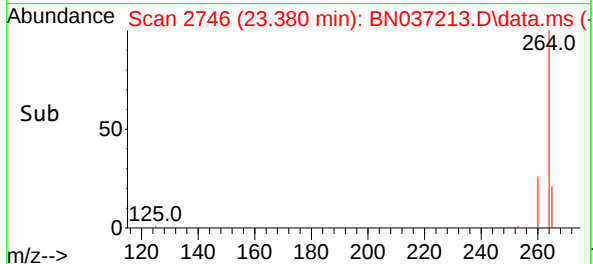
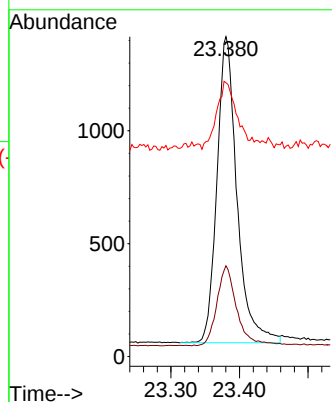
Tgt Ion:264 Resp: 2751

Ion	Ratio	Lower	Upper
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264	100		
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260	28.4	22.1	33.1
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265	85.6	55.8	83.8#
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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: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG No.: Q2234
 Instrument ID: BNA_N Calibration Date(s): 06/03/2025 06/03/2025
 Calibration Time(s): 11:39 15:14

LAB FILE ID:								
RRF0.1 = BN037143.D			RRF0.2 = BN037144.D			RRF0.4 = BN037145.D		
RRF0.8 = BN037146.D			RRF1.6 = BN037147.D			RRF3.2 = BN037148.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.520	0.515	0.562	0.536	0.598	0.577	0.557	6.0
Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.016	7.2
2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.989	3.9
Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.199	6.4
Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.422	6.9
2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.705	3.5
2,4,6-Tribromophenol	0.124	0.147	0.146	0.157	0.185	0.182	0.161	15.0
Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.942	4.0
1,4-Dioxane	0.598	0.657	0.510	0.506	0.526	0.477	0.533	13.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN060325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 04 01:52:03 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037143.D 0.2 =BN037144.D 0.4 =BN037145.D 0.8 =BN037146.D 1.6 =BN037147.D 3.2 =BN037148.D 5.0 =BN037149.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.598	0.657	0.510	0.506	0.526	0.477	0.458	0.533	13.16
3)	n-Nitrosodimet...	1.098	1.031	1.061	1.067	1.163	1.061	1.012	1.071	4.60
4) S	2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.975	0.989	3.91
5) S	Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.285	1.199	6.42
6)	bis(2-Chloroet...	1.138	1.139	1.128	1.089	1.223	1.146	1.146	1.144	3.51
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.446	0.422	6.86
9)	Naphthalene	1.183	1.125	1.119	1.111	1.215	1.165	1.160	1.154	3.31
10)	Hexachlorobuta...	0.253	0.249	0.261	0.247	0.266	0.246	0.238	0.251	3.81
11) SURR	2-Methylnaphth...	0.520	0.515	0.562	0.536	0.598	0.577	0.588	0.557	5.97
12)	2-Methylnaphth...	0.704	0.680	0.691	0.719	0.809	0.783	0.793	0.740	7.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.124	0.147	0.146	0.157	0.185	0.182	0.186	0.161	15.03
15) S	2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.725	1.705	3.52
16)	Acenaphthylene	1.946	1.905	1.768	1.871	2.112	2.050	2.075	1.961	6.32
17)	Acenaphthene	1.290	1.253	1.159	1.212	1.370	1.309	1.320	1.273	5.59
18)	Fluorene	1.701	1.577	1.518	1.611	1.823	1.736	1.752	1.674	6.48
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.039	0.050	0.067	0.090	0.102	0.114	0.077		38.58
21)	4-Bromophenyl-...	0.256	0.253	0.244	0.254	0.281	0.276	0.271	0.262	5.32
22)	Hexachlorobenzene	0.289	0.284	0.269	0.279	0.301	0.284	0.274	0.283	3.72
23)	Atrazine	0.194	0.200	0.187	0.209	0.241	0.238	0.247	0.216	11.42
24)	Pentachlorophenol	0.086	0.086	0.092	0.107	0.140	0.153	0.165	0.124	26.72
25)	Phenanthrene	1.285	1.242	1.193	1.248	1.386	1.357	1.361	1.296	5.64
26)	Anthracene	1.098	1.099	1.036	1.143	1.294	1.290	1.317	1.183	9.71
27) SURR	Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.114	1.016	7.22
28)	Fluoranthene	1.339	1.294	1.277	1.365	1.579	1.563	1.605	1.432	10.09
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.051	1.974	1.827	1.928	2.048	1.955	1.885	1.953	4.20
31) S	Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.923	0.942	3.96
32)	Benzo(a)anthra...	1.369	1.367	1.291	1.404	1.582	1.553	1.570	1.448	8.15
33)	Chrysene	1.755	1.636	1.473	1.582	1.698	1.584	1.556	1.612	5.81
34)	Bis(2-ethylhex...	1.032	0.859	0.774	0.858	0.956	0.914	1.002	0.914	9.90
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

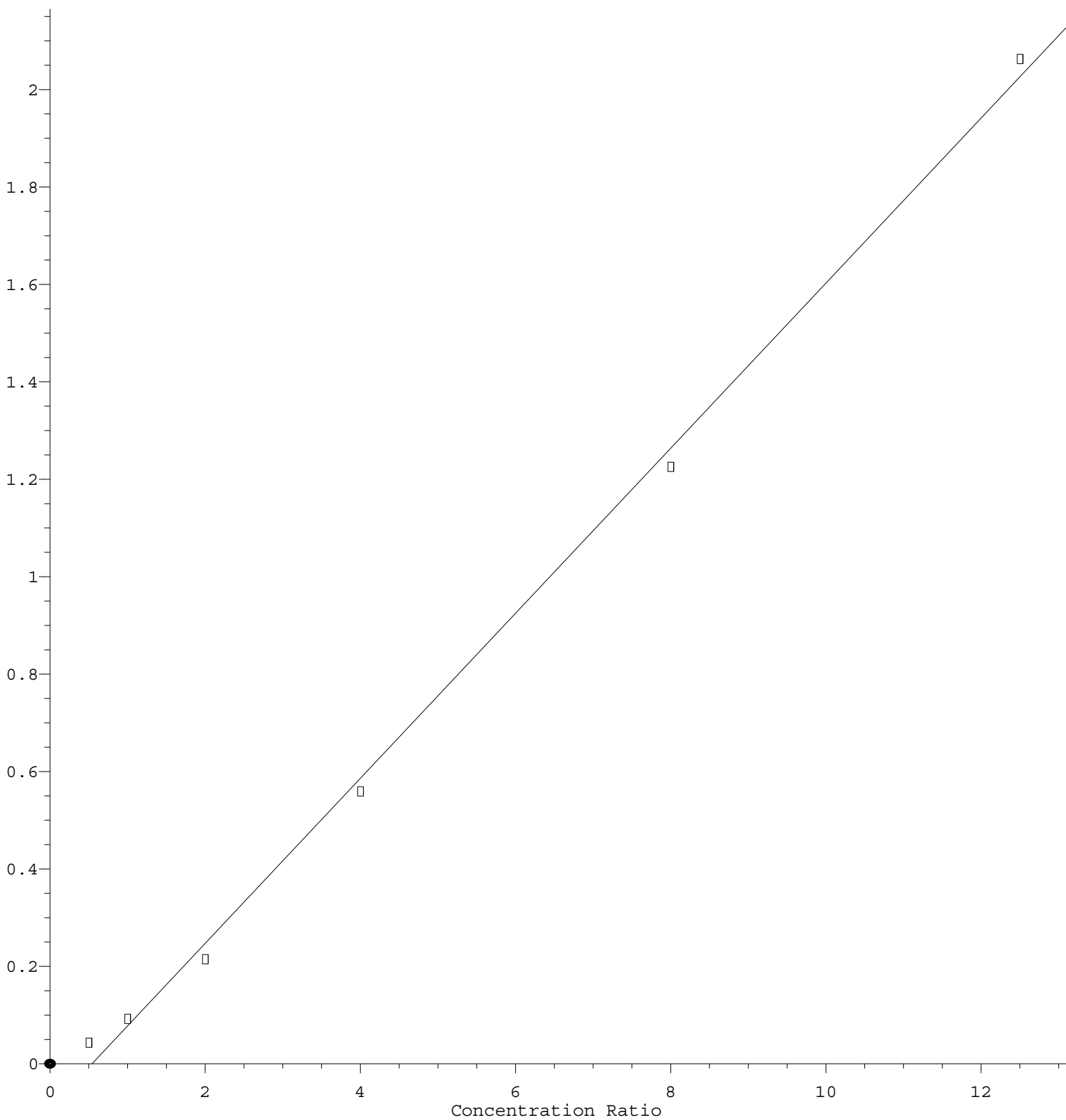
Method File : 8270-SIM-BN060325.M

36)	Indeno(1,2,3-c...	1.443	1.605	1.501	1.526	1.695	1.673	1.697	1.591	6.44
37)	Benzo(b)fluora...	1.529	1.520	1.421	1.575	1.763	1.713	1.781	1.615	8.58
38)	Benzo(k)fluora...	1.576	1.565	1.461	1.612	1.777	1.743	1.805	1.648	7.79
39) C	Benzo(a)pyrene	1.310	1.287	1.219	1.294	1.451	1.426	1.481	1.352	7.32
40)	Dibenzo(a,h)an...	1.074	1.167	1.160	1.196	1.333	1.332	1.328	1.227	8.48
41)	Benzo(g,h,i)pe...	1.368	1.450	1.351	1.372	1.477	1.424	1.425	1.410	3.33

(#) = Out of Range

Pentachlorophenol

Response Ratio



$$\text{Response} = 1.694\text{e-}001 * \text{Amt} - 9.118\text{e-}002$$

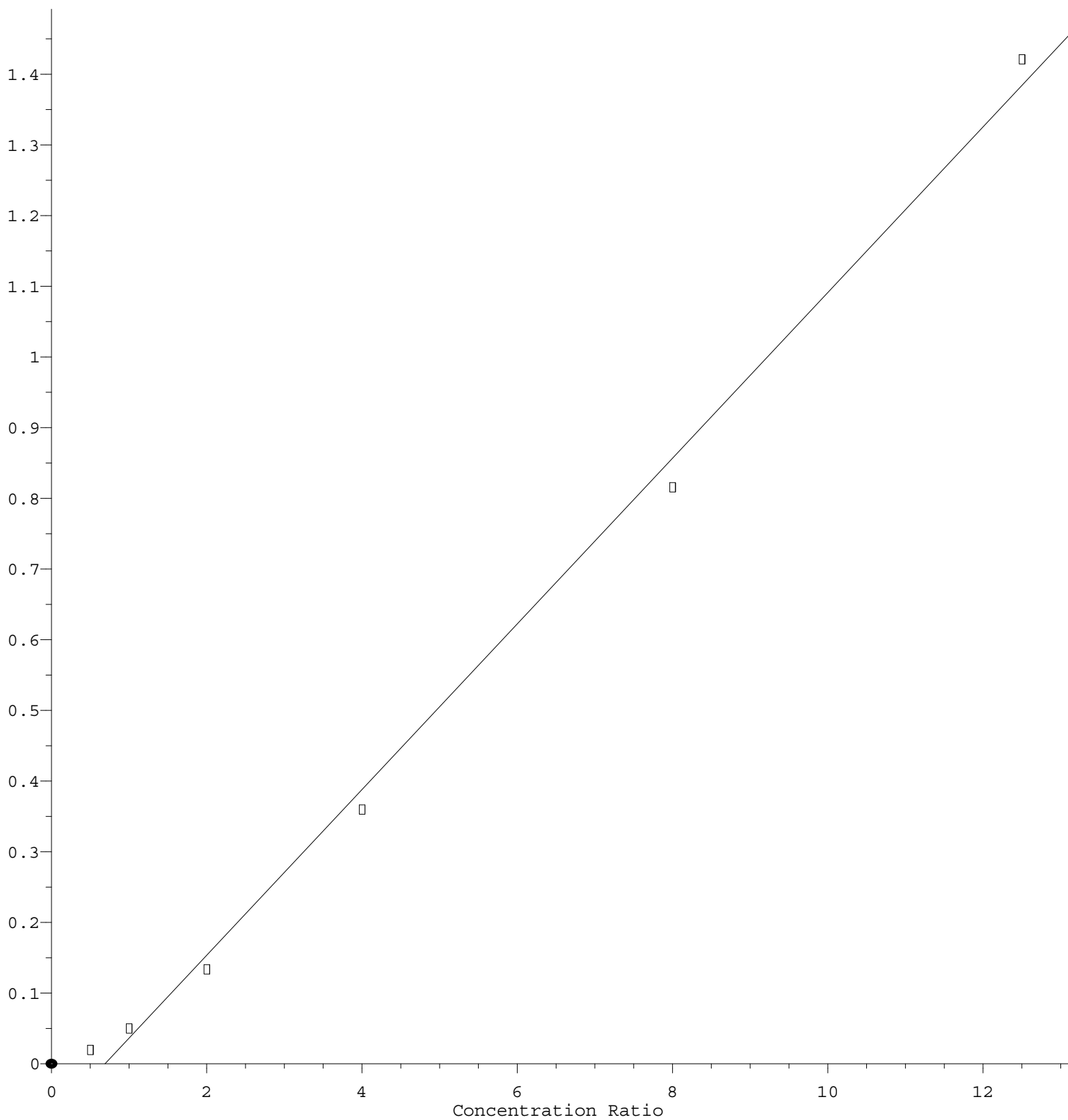
Coef of Det (r^2) = 0.997707 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN060325.M

Calibration Table Last Updated: Wed Jun 04 01:52:03 2025

4,6-Dinitro-2-methylphenol

Response Ratio



$$\text{Response} = 1.172\text{e-}001 * \text{Amt} - 8.037\text{e-}002$$

Coef of Det (r^2) = 0.995947 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN060325.M

Calibration Table Last Updated: Wed Jun 04 01:52:03 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037143.D
 Acq On : 03 Jun 2025 11:39
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jun 04 01:41:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

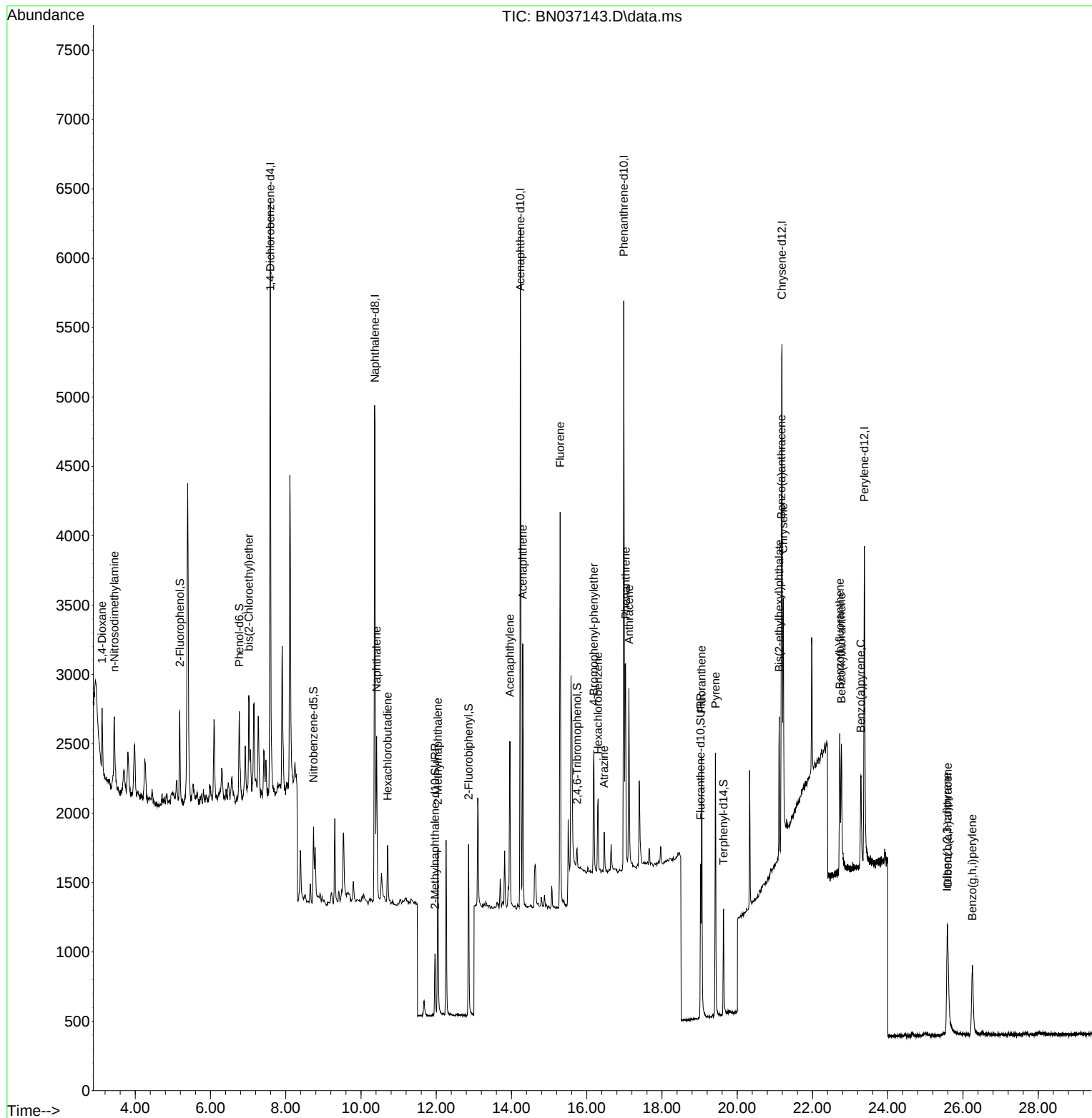
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	2014	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4942	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2688	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5431	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3598	0.400	ng	# 0.00
35) Perylene-d12	23.380	264	3208	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	517	0.104	ng	0.00
5) Phenol-d6	6.766	99	582	0.096	ng	0.00
8) Nitrobenzene-d5	8.739	82	486	0.093	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	643	0.093	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	83	0.077	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	1157	0.101	ng	0.00
27) Fluoranthene-d10	19.026	212	1316	0.095	ng	0.00
31) Terphenyl-d14	19.635	244	867	0.102	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.119	88	301	0.112	ng	97
3) n-Nitrosodimethylamine	3.444	42	553	0.103	ng	95
6) bis(2-Chloroethyl)ether	7.019	93	573	0.099	ng	95
9) Naphthalene	10.415	128	1462	0.103	ng	# 93
10) Hexachlorobutadiene	10.703	225	312	0.100	ng	# 98
12) 2-Methylnaphthalene	12.042	142	870	0.095	ng	97
16) Acenaphthylene	13.957	152	1308	0.099	ng	100
17) Acenaphthene	14.299	154	867	0.101	ng	99
18) Fluorene	15.293	166	1143	0.102	ng	99
21) 4-Bromophenyl-phenylether	16.190	248	347	0.097	ng	96
22) Hexachlorobenzene	16.301	284	392	0.102	ng	99
23) Atrazine	16.463	200	264	0.090	ng	# 91
25) Phenanthrene	17.034	178	1745	0.099	ng	98
26) Anthracene	17.120	178	1491	0.093	ng	98
28) Fluoranthene	19.054	202	1818	0.094	ng	99
30) Pyrene	19.421	202	1845	0.105	ng	99
32) Benzo(a)anthracene	21.171	228	1231	0.095	ng	93
33) Chrysene	21.225	228	1579	0.109	ng	97
34) Bis(2-ethylhexyl)phtha...	21.117	149	928	0.113	ng	97
36) Indeno(1,2,3-cd)pyrene	25.576	276	1157	0.091	ng	97
37) Benzo(b)fluoranthene	22.725	252	1226	0.095	ng	# 65
38) Benzo(k)fluoranthene	22.766	252	1264	0.096	ng	# 64
39) Benzo(a)pyrene	23.284	252	1051	0.097	ng	# 52
40) Dibenzo(a,h)anthracene	25.594	278	861	0.087	ng	# 56
41) Benzo(g,h,i)perylene	26.248	276	1097	0.097	ng	# 82

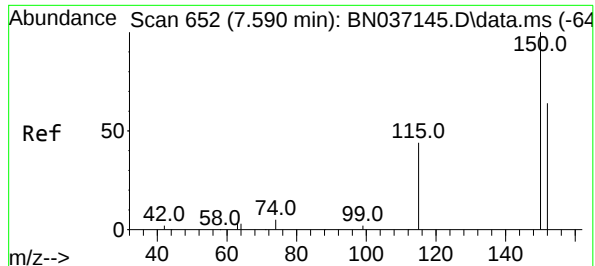
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037143.D
Acq On : 03 Jun 2025 11:39
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

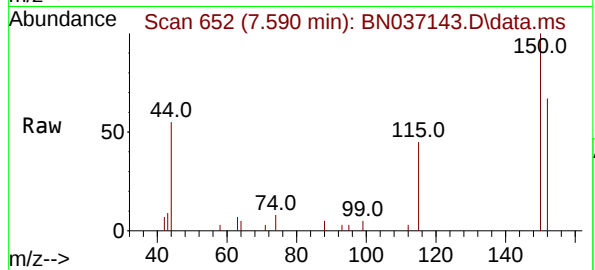
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



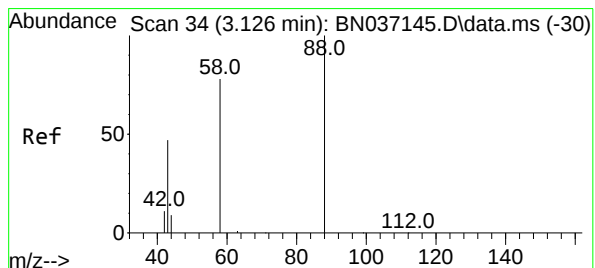
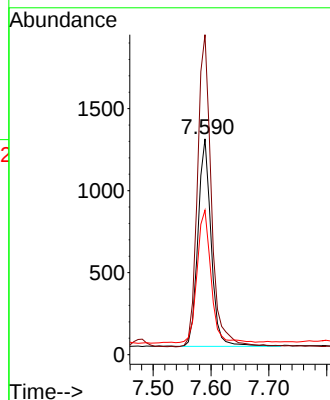
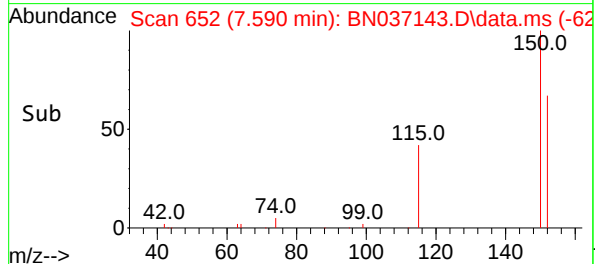


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

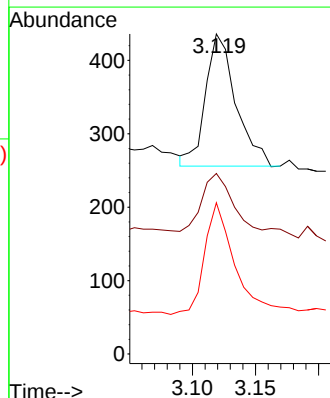
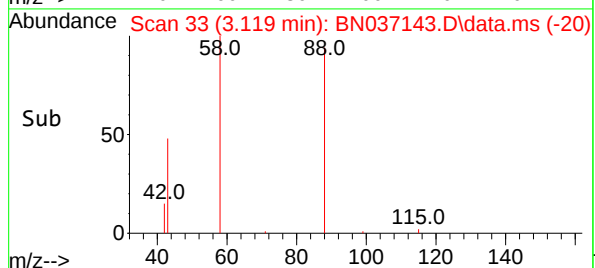
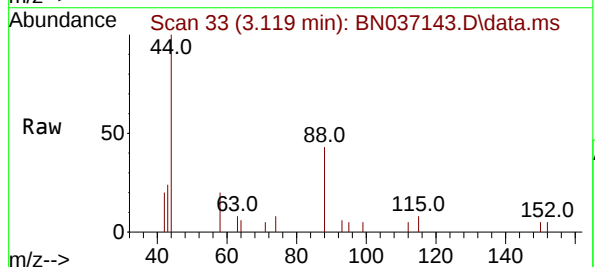


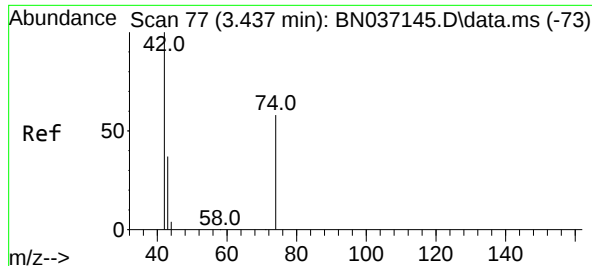
Tgt Ion:152 Resp: 2014
Ion Ratio Lower Upper
152 100
150 148.3 123.2 184.8
115 66.9 56.6 85.0



#2
1,4-Dioxane
Concen: 0.112 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion: 88 Resp: 301
Ion Ratio Lower Upper
88 100
43 58.8 43.5 65.3
58 85.4 67.7 101.5

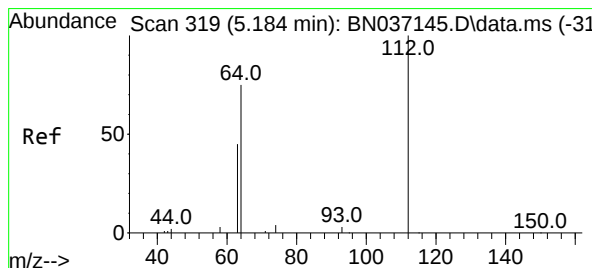
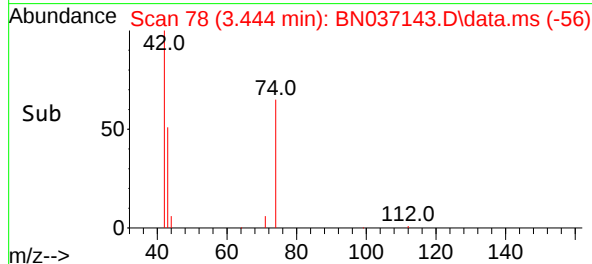
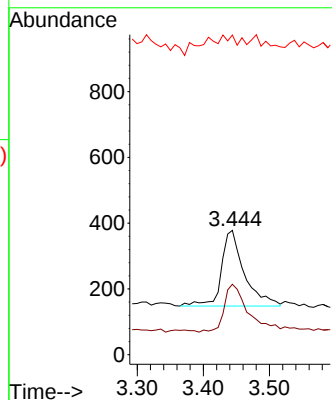
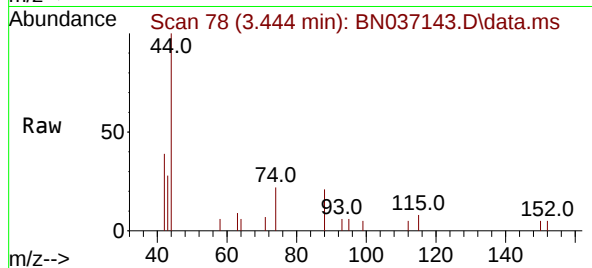




#3
n-Nitrosodimethylamine
Concen: 0.103 ng
RT: 3.444 min Scan# 71
Delta R.T. 0.007 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

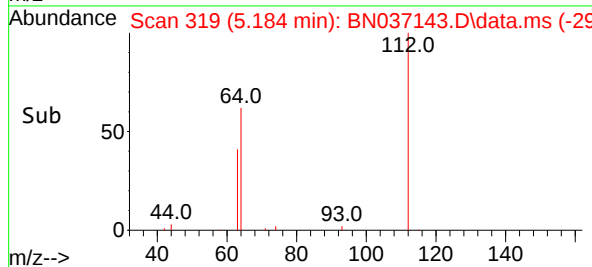
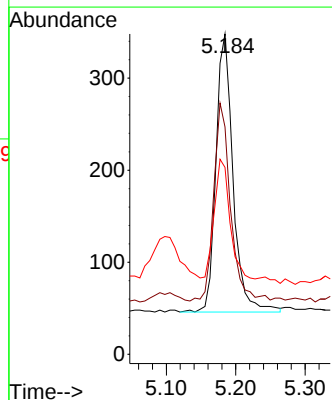
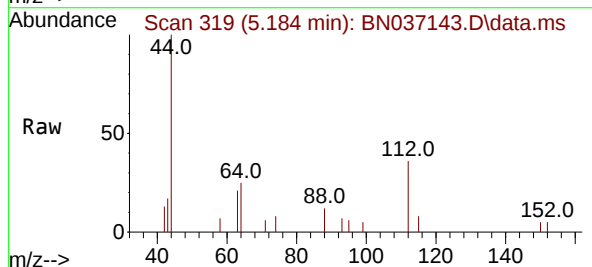
Instrument :
BNA_N
ClientSampleId :
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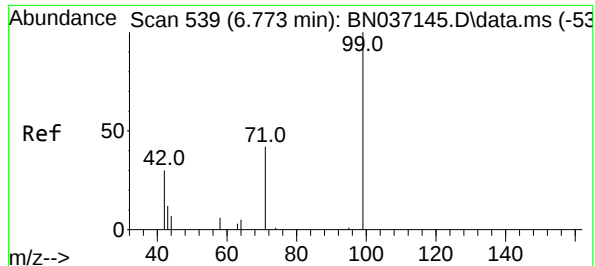
Tgt Ion: 42 Resp: 553
Ion Ratio Lower Upper
42 100
74 70.2 53.0 79.4
44 6.9 5.9 8.9



#4
2-Fluorophenol
Concen: 0.104 ng
RT: 5.184 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion: 112 Resp: 517
Ion Ratio Lower Upper
112 100
64 70.8 56.3 84.5
63 39.7 36.2 54.4

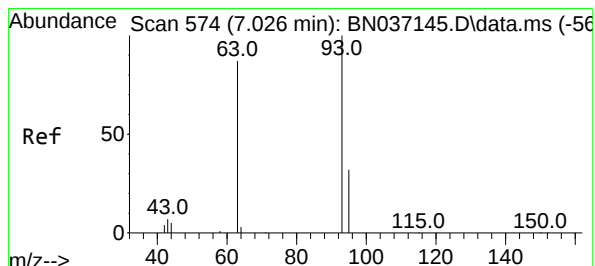
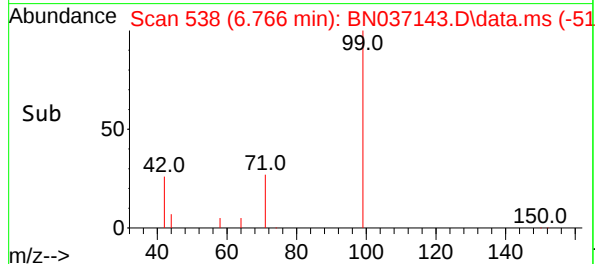
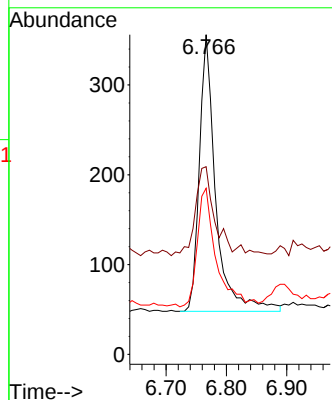
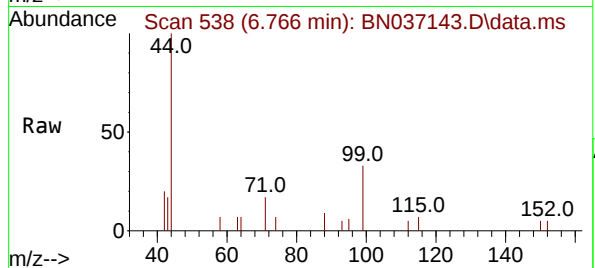




#5
Phenol-d6
Concen: 0.096 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

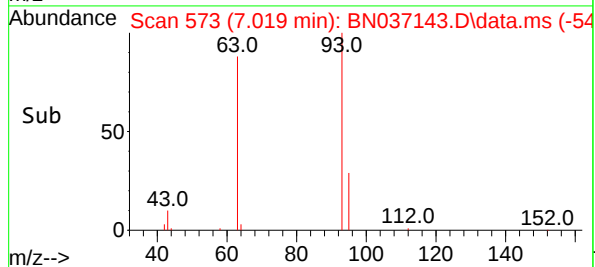
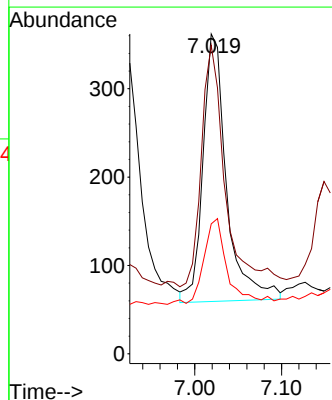
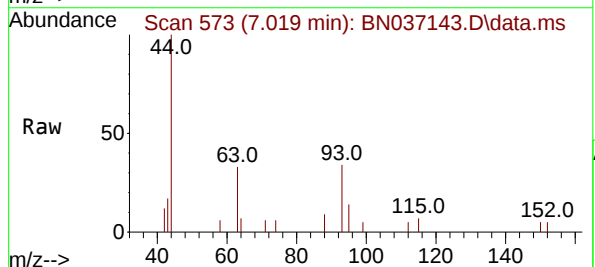
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

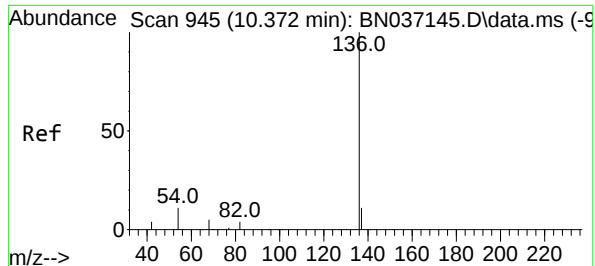
Tgt Ion	Ratio	Lower	Upper
99	100		
42	37.3	31.3	46.9
71	49.7	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.099 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion	Ratio	Lower	Upper
93	100		
63	91.4	68.6	103.0
95	31.6	24.3	36.5

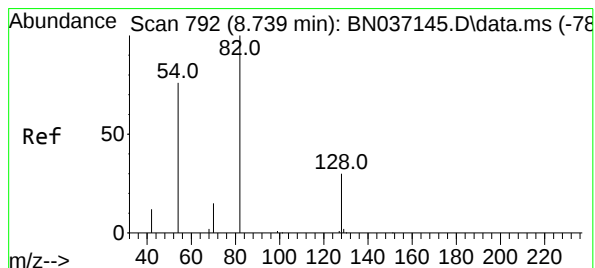
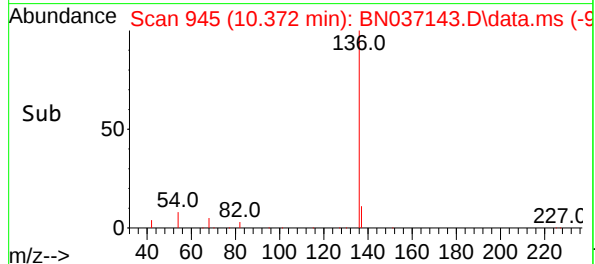
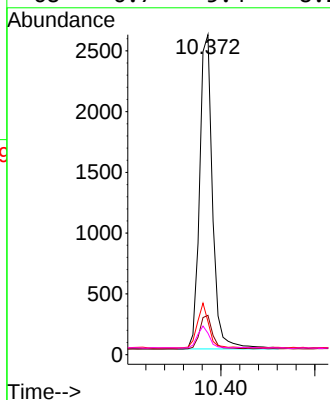
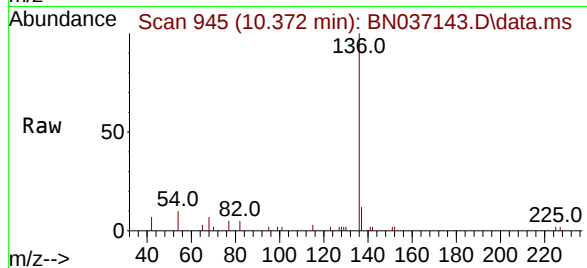




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

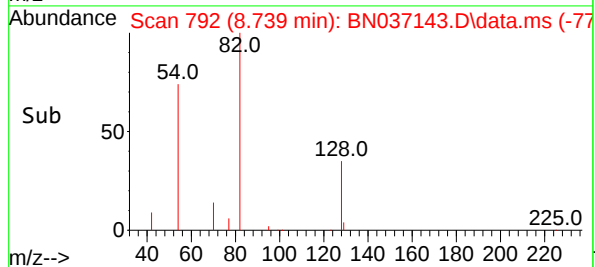
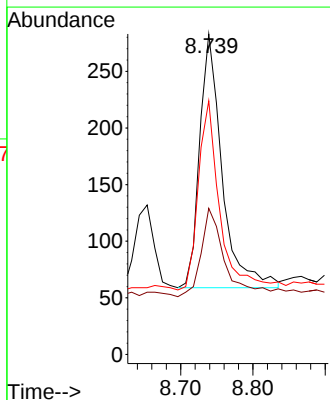
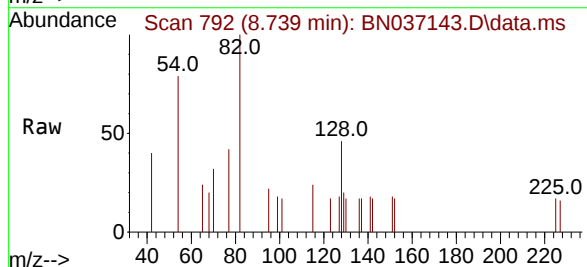
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

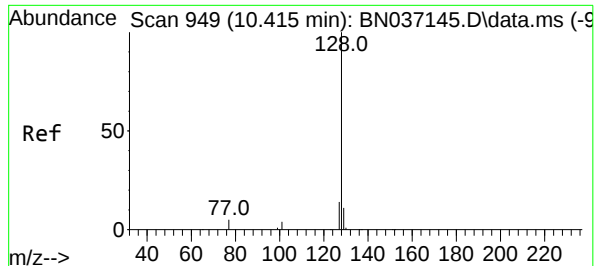
Tgt Ion:	136	Resp:	4942
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	10.3	9.7	14.5
68	6.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.093 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:	82	Resp:	486
Ion	Ratio	Lower	Upper
82	100		
128	45.6	26.9	40.3#
54	79.2	61.4	92.2

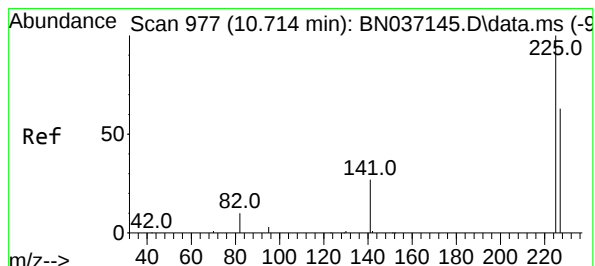
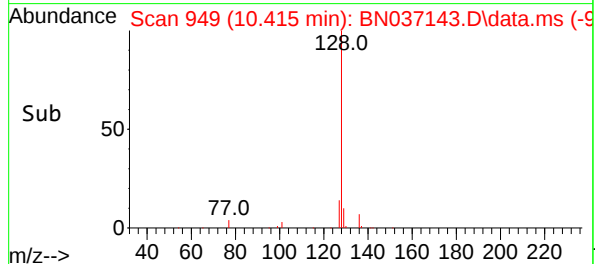
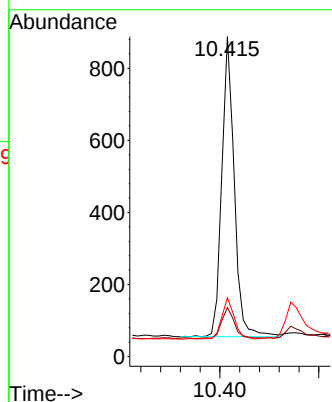
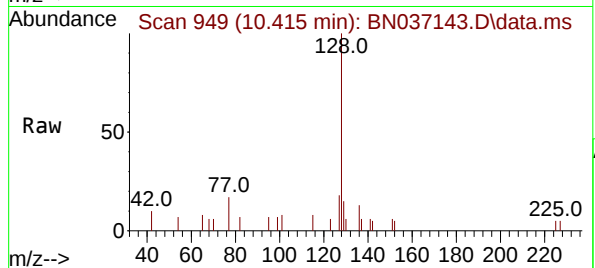




#9
Naphthalene
Concen: 0.103 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

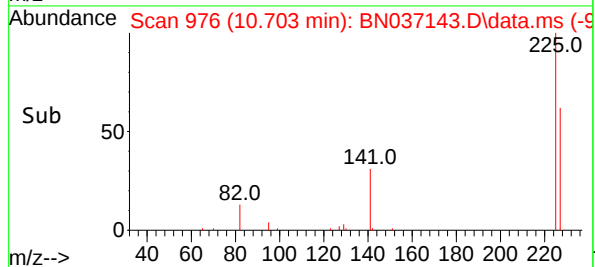
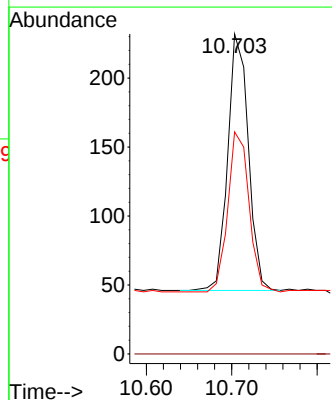
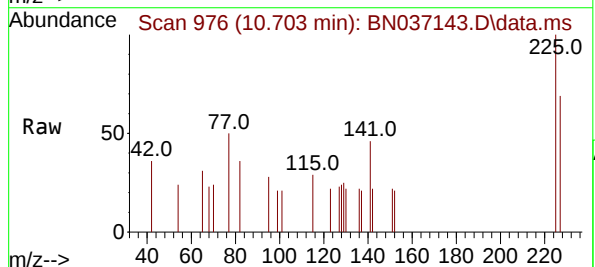
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

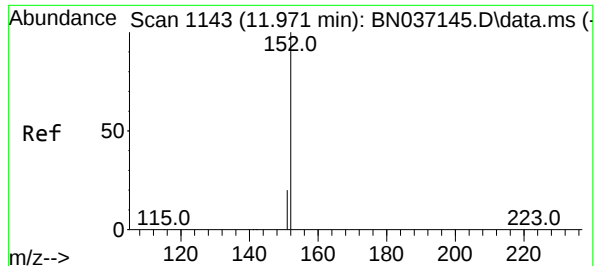
Tgt Ion:128 Resp: 1462
Ion Ratio Lower Upper
128 100
129 15.3 9.8 14.8#
127 18.4 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.100 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:225 Resp: 312
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 50.3 75.5

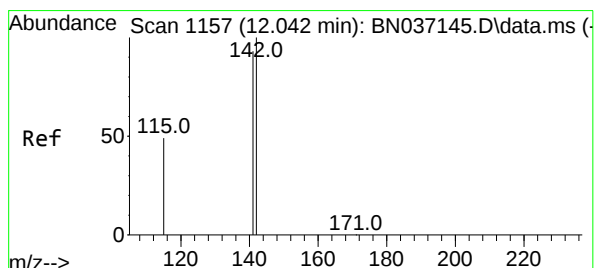
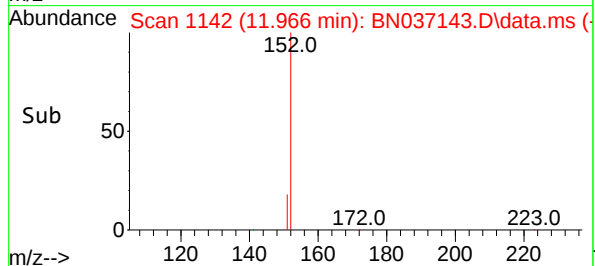
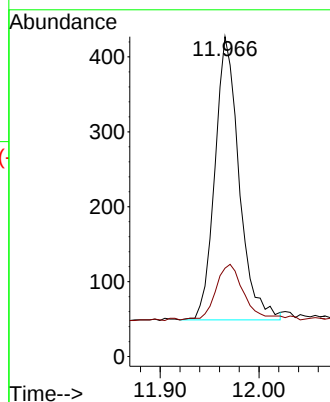
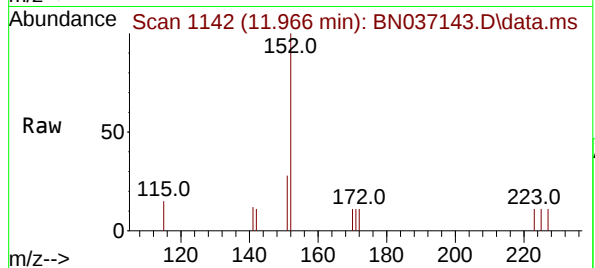




#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

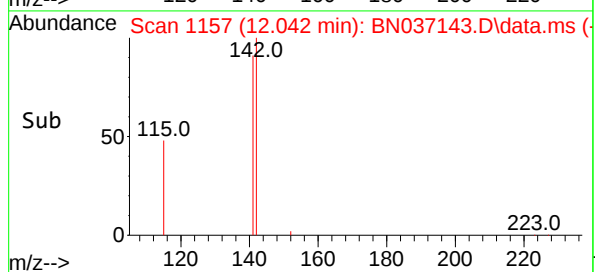
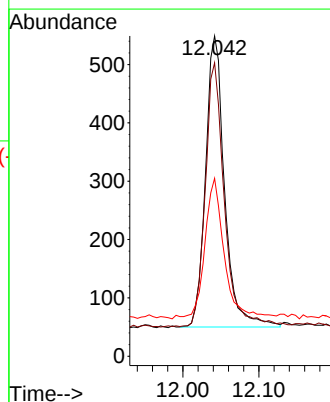
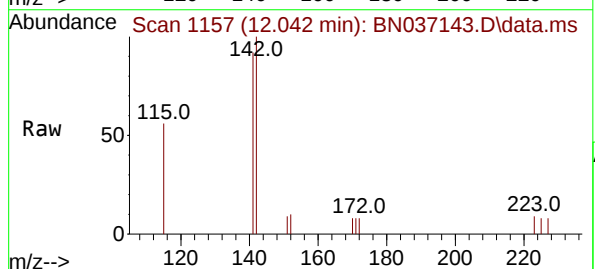
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

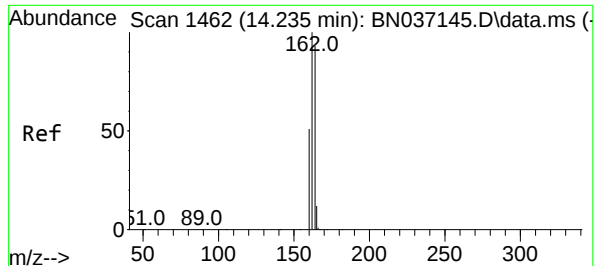
Tgt Ion:152 Resp: 643
Ion Ratio Lower Upper
152 100
151 23.0 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.042 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:142 Resp: 870
Ion Ratio Lower Upper
142 100
141 91.6 74.6 111.8
115 55.6 41.0 61.4

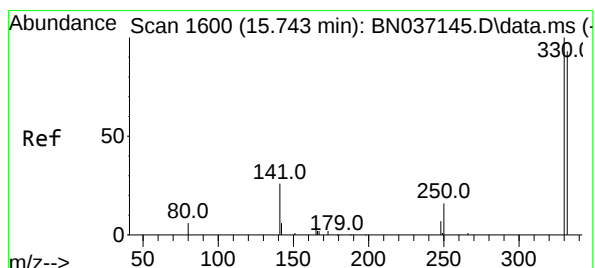
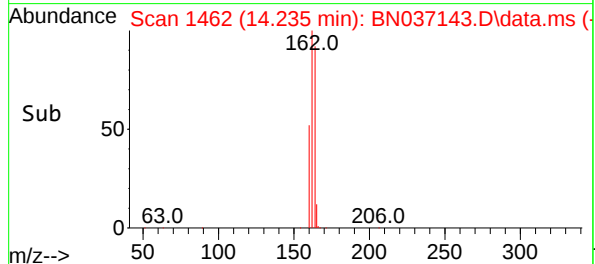
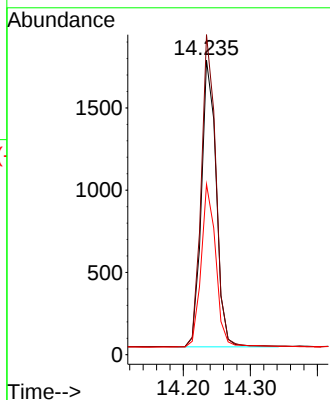
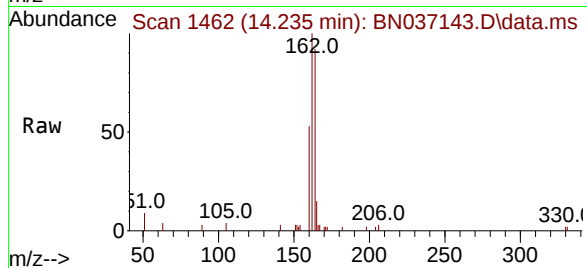




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

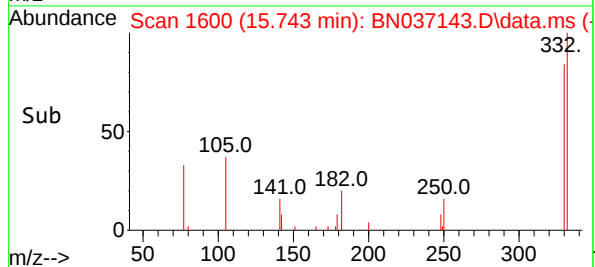
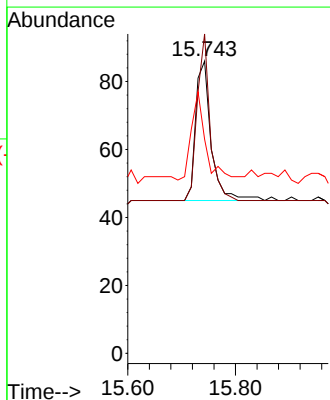
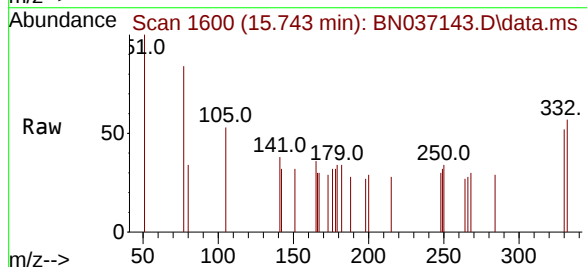
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

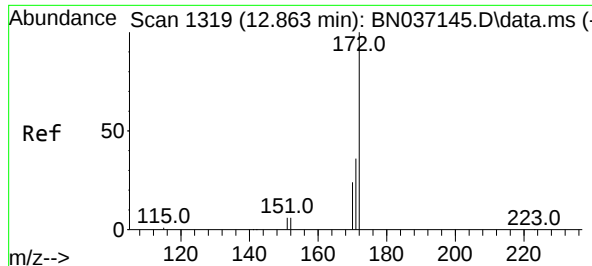
Tgt Ion:164 Resp: 2688
Ion Ratio Lower Upper
164 100
162 108.7 85.5 128.3
160 57.9 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.077 ng
RT: 15.743 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:330 Resp: 83
Ion Ratio Lower Upper
330 100
332 97.6 77.1 115.7
141 56.6 46.4 69.6

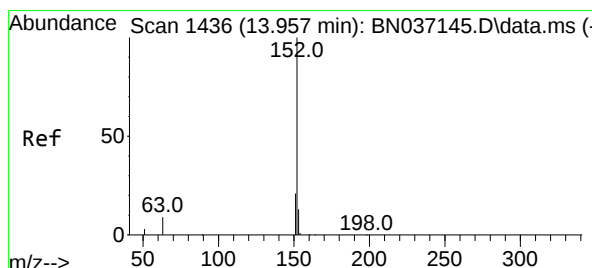
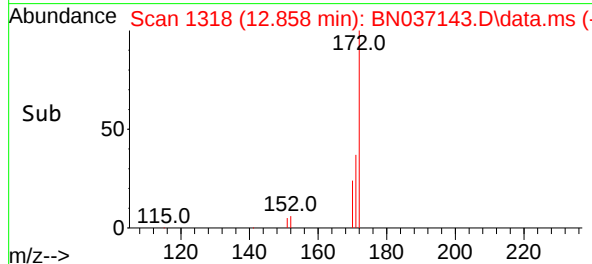
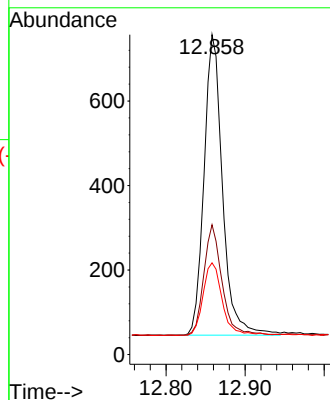
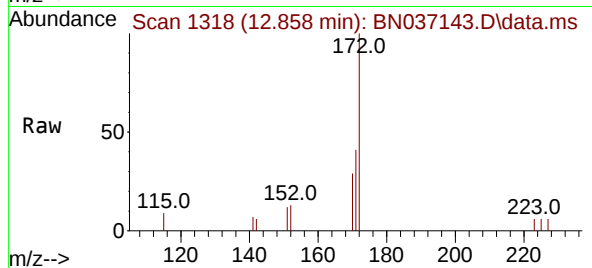




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 12.858 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

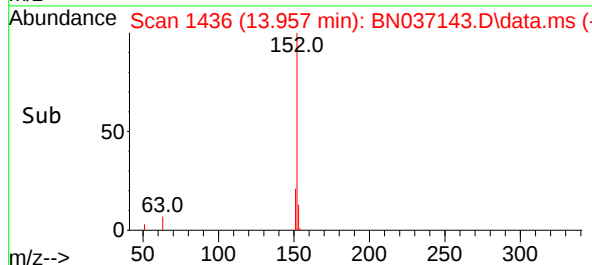
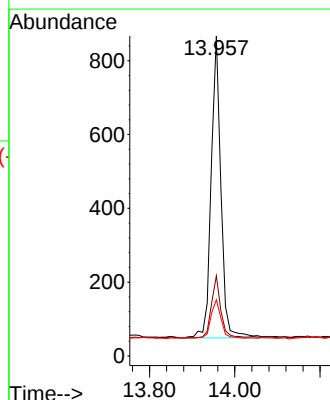
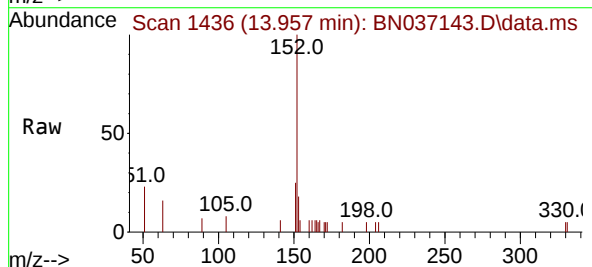
Instrument :
BNA_N
ClientSampleId :
SSTDIC0.1

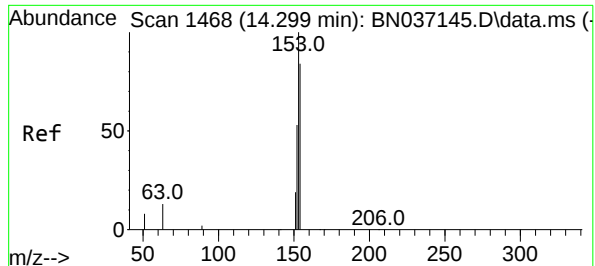
Tgt Ion:172 Resp: 1157
Ion Ratio Lower Upper
172 100
171 40.6 29.6 44.4
170 28.7 20.3 30.5



#16
Acenaphthylene
Concen: 0.099 ng
RT: 13.957 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:152 Resp: 1308
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.101 ng

RT: 14.299 min Scan# 1468

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

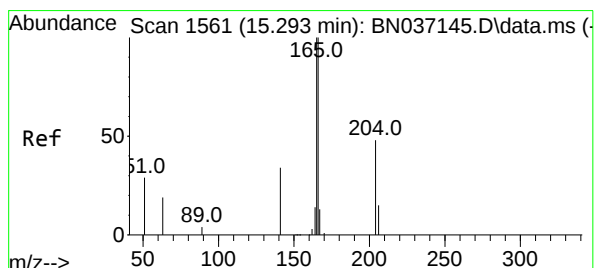
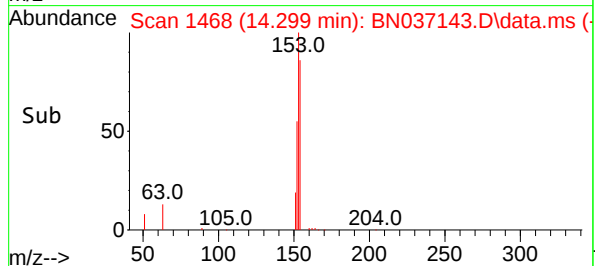
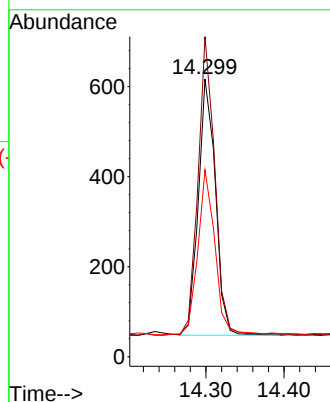
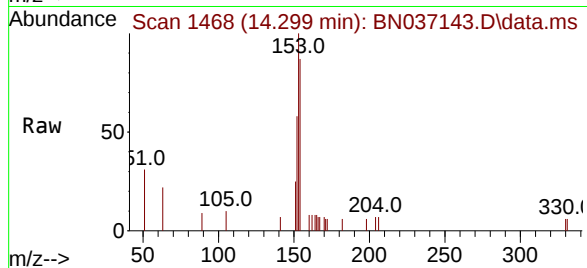
Tgt Ion:154 Resp: 867

Ion Ratio Lower Upper

154 100

153 115.6 93.8 140.8

152 64.1 50.5 75.7



#18

Fluorene

Concen: 0.102 ng

RT: 15.293 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

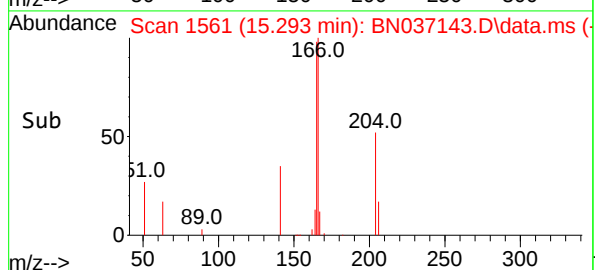
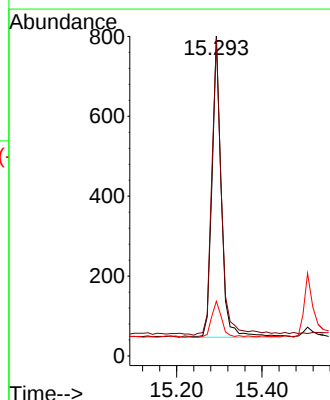
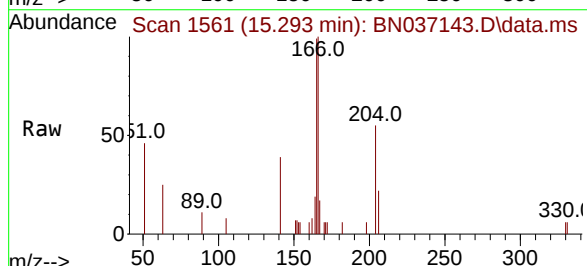
Tgt Ion:166 Resp: 1143

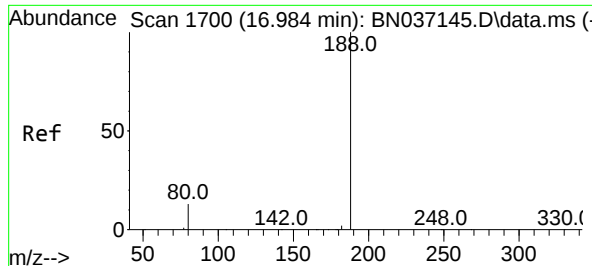
Ion Ratio Lower Upper

166 100

165 102.8 81.1 121.7

167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

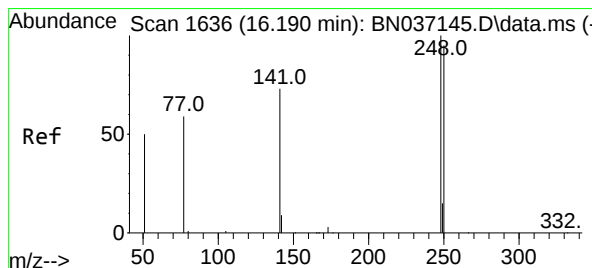
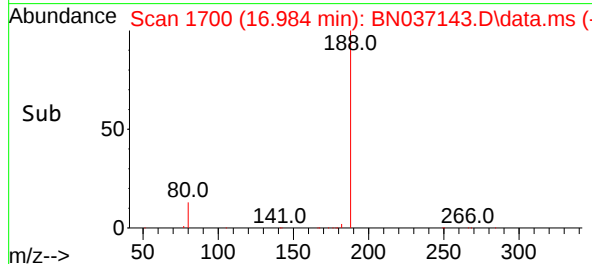
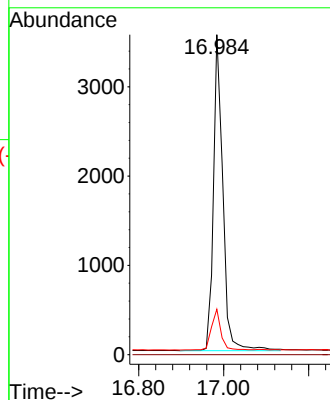
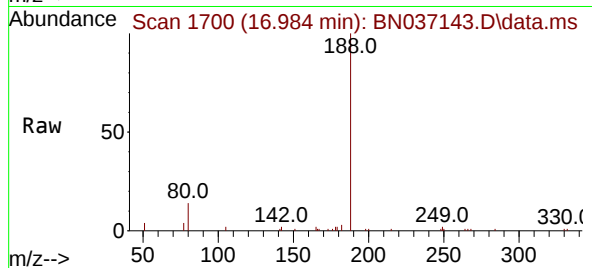
Tgt Ion:188 Resp: 5431

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.2 11.3 16.9



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.190 min Scan# 1636

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

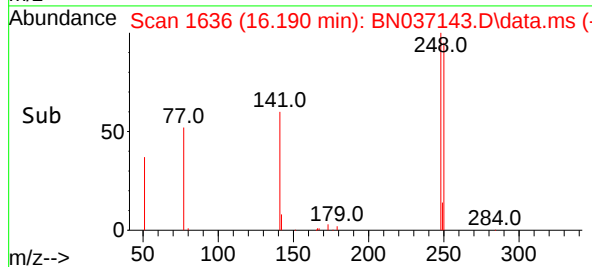
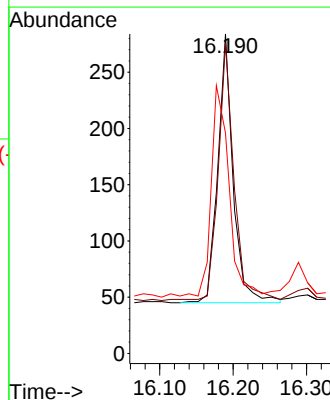
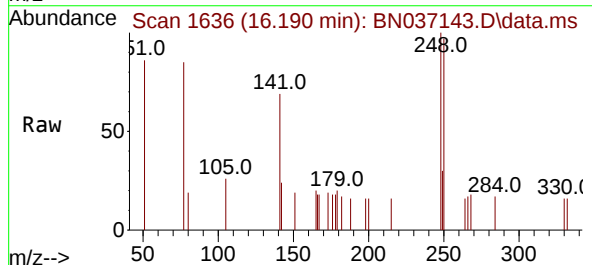
Tgt Ion:248 Resp: 347

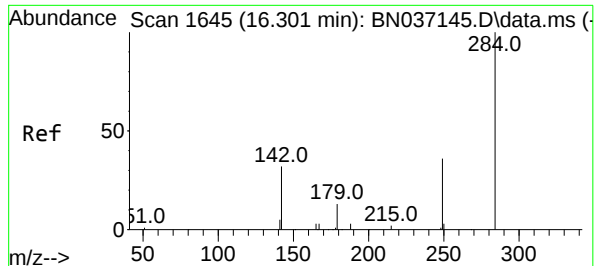
Ion Ratio Lower Upper

248 100

250 97.2 76.1 114.1

141 69.0 60.1 90.1





#22

Hexachlorobenzene

Concen: 0.102 ng

RT: 16.301 min Scan# 1645

Delta R.T. -0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

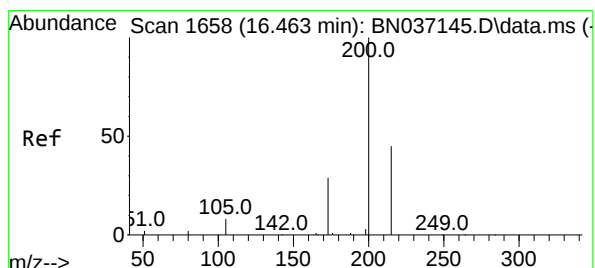
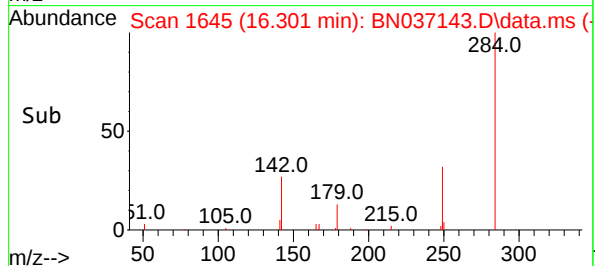
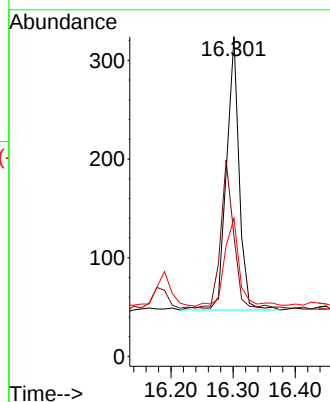
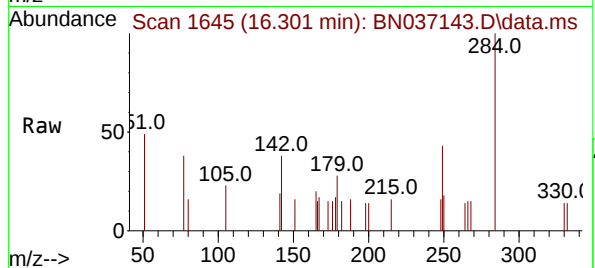
Tgt Ion:284 Resp: 392

Ion Ratio Lower Upper

284 100

142 54.1 44.0 66.0

249 37.5 29.7 44.5



#23

Atrazine

Concen: 0.090 ng

RT: 16.463 min Scan# 1658

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

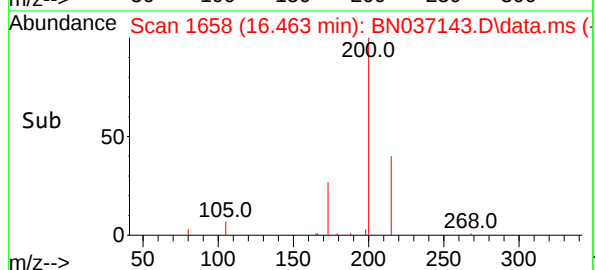
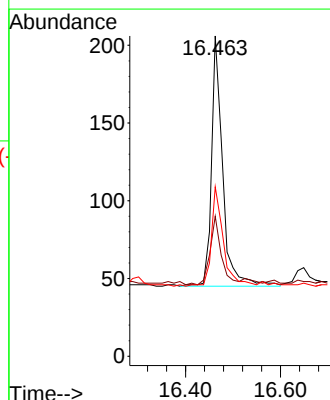
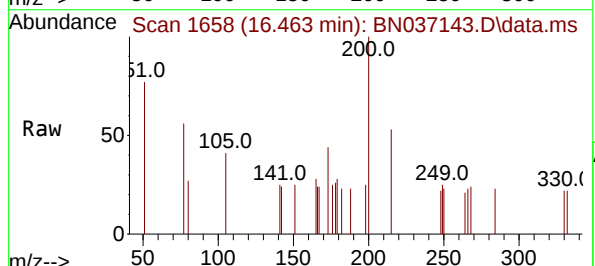
Tgt Ion:200 Resp: 264

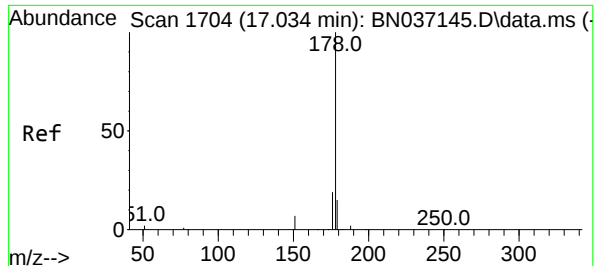
Ion Ratio Lower Upper

200 100

173 43.7 28.1 42.1#

215 52.9 39.3 58.9

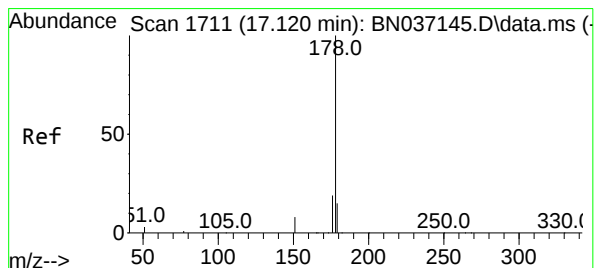
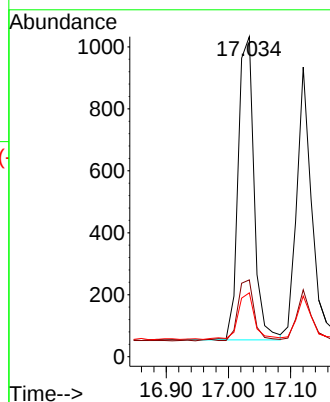
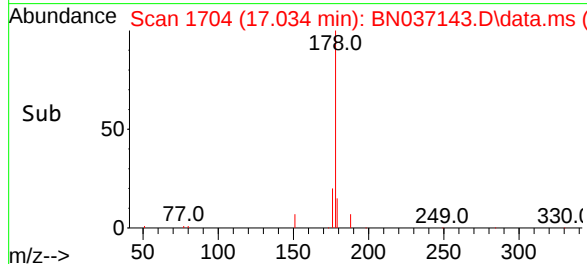
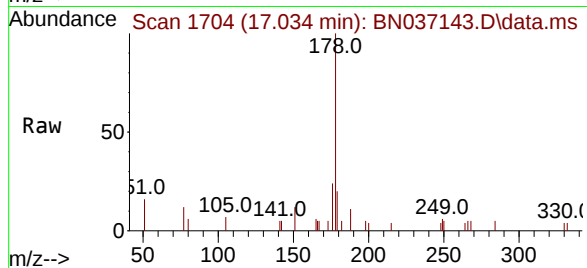




#25
Phenanthrene
Concen: 0.099 ng
RT: 17.034 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

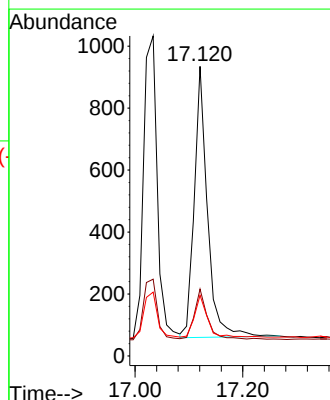
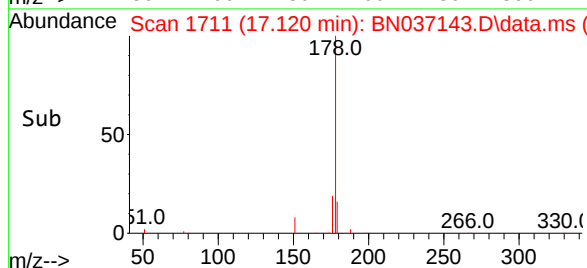
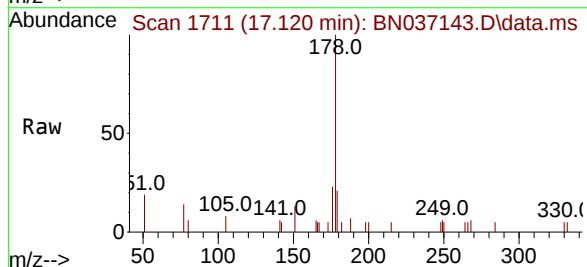
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

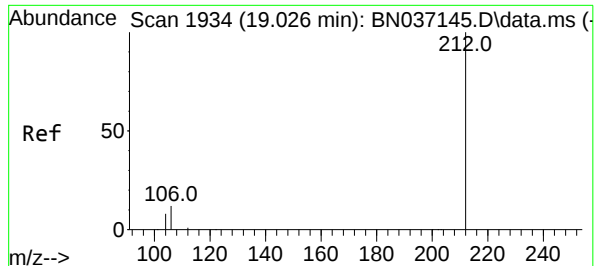
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.7	23.5
179	15.6	12.3	18.5



#26
Anthracene
Concen: 0.093 ng
RT: 17.120 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.2	22.8
179	15.8	12.9	19.3





#27

Fluoranthene-d10

Concen: 0.095 ng

RT: 19.026 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

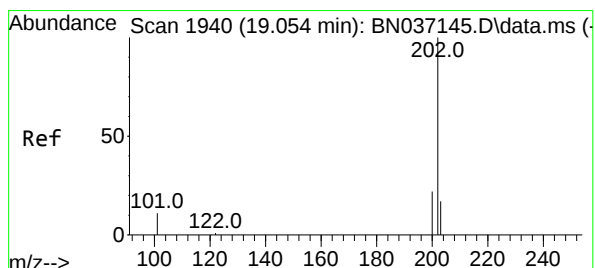
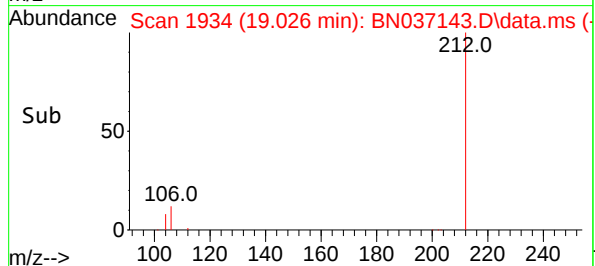
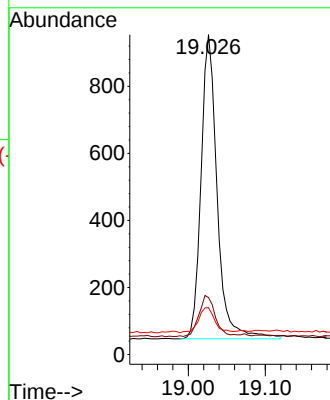
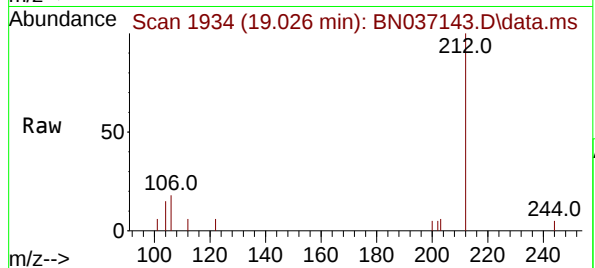
Tgt Ion:212 Resp: 1316

Ion Ratio Lower Upper

212 100

106 13.6 10.6 15.8

104 8.4 6.6 9.8



#28

Fluoranthene

Concen: 0.094 ng

RT: 19.054 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

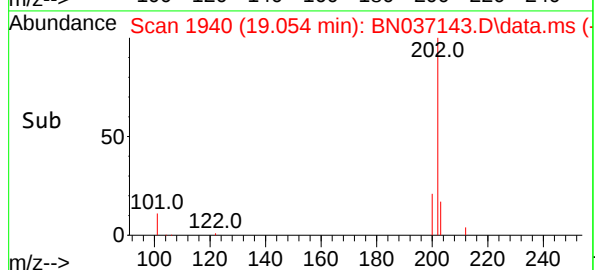
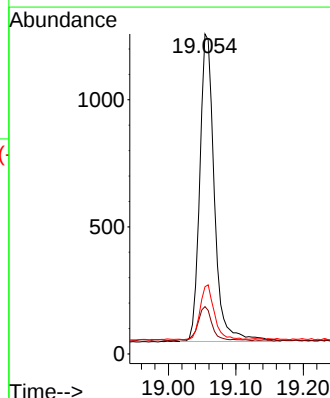
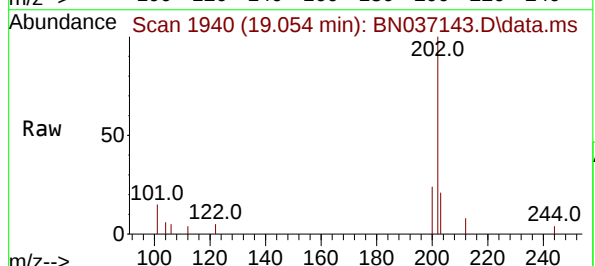
Tgt Ion:202 Resp: 1818

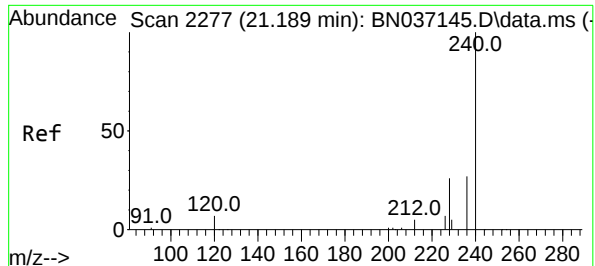
Ion Ratio Lower Upper

202 100

101 11.5 8.7 13.1

203 17.4 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

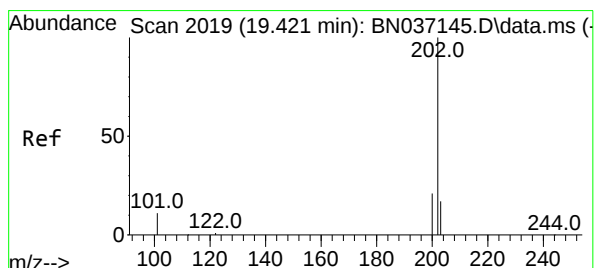
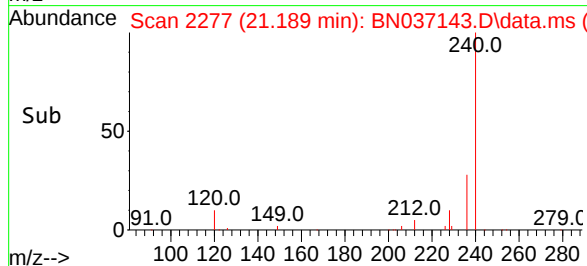
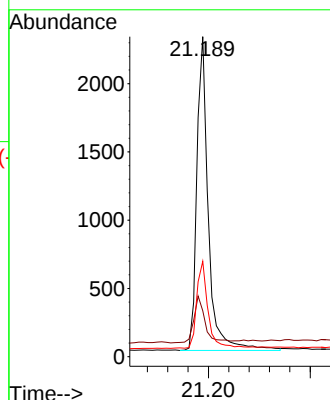
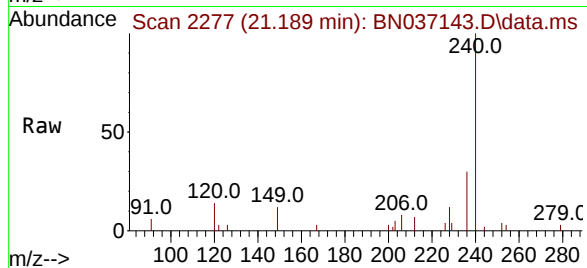
Tgt Ion:240 Resp: 3598

Ion Ratio Lower Upper

240 100

120 14.4 9.0 13.4#

236 29.8 23.0 34.4



#30

Pyrene

Concen: 0.105 ng

RT: 19.421 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

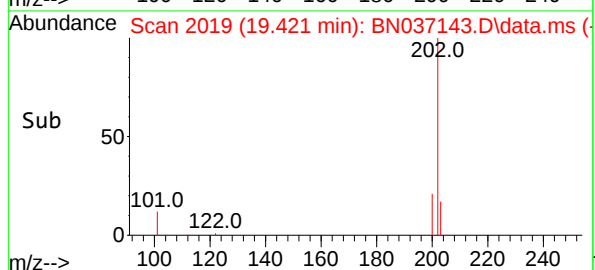
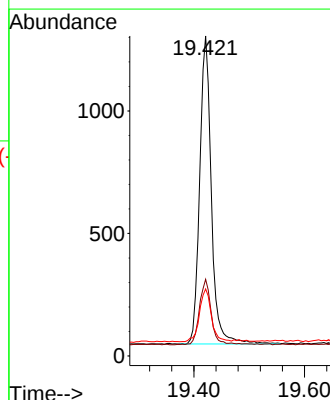
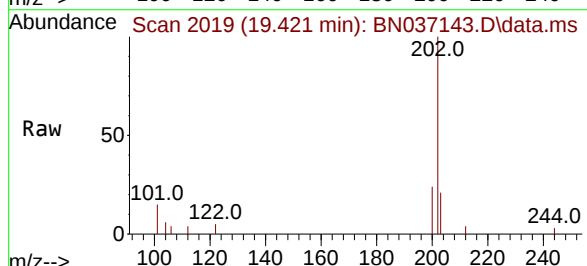
Tgt Ion:202 Resp: 1845

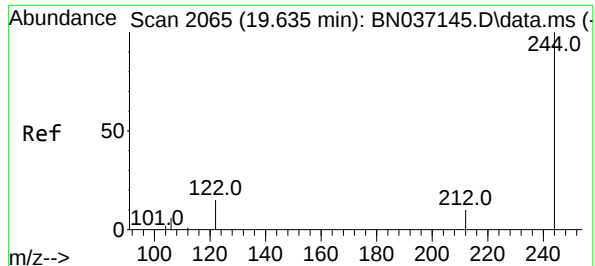
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

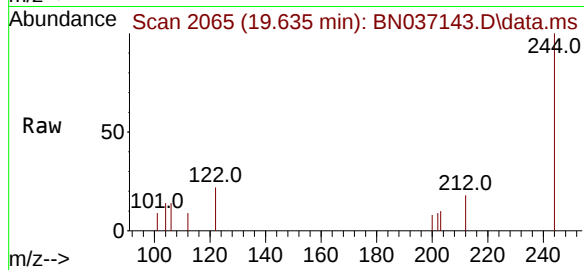
203 17.5 14.2 21.4



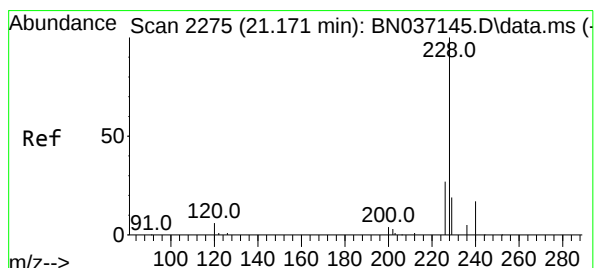
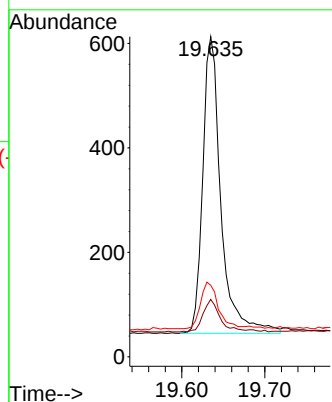
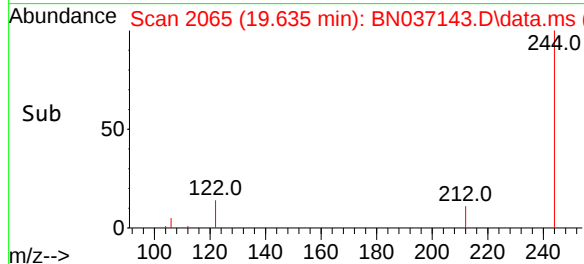


#31
Terphenyl-d14
Concen: 0.102 ng
RT: 19.635 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

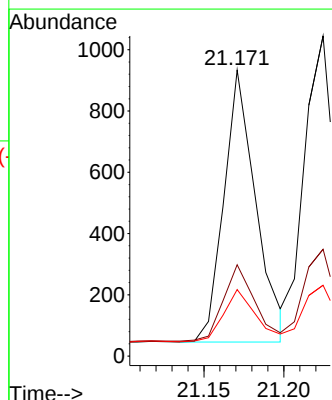
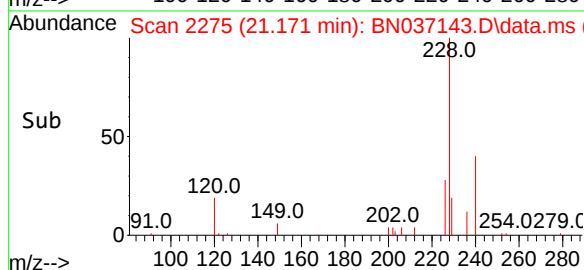
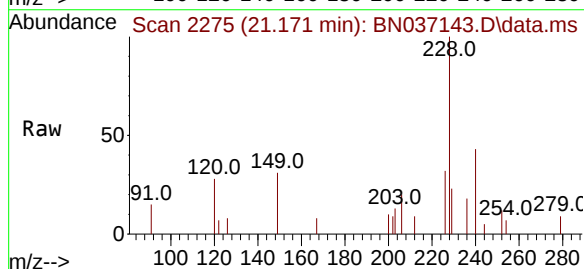


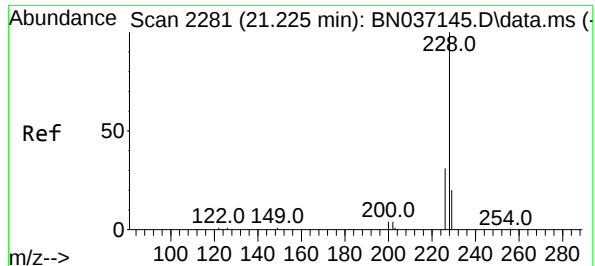
Tgt Ion:244 Resp: 867
Ion Ratio Lower Upper
244 100
212 17.9 10.0 15.0#
122 22.3 13.2 19.8#



#32
Benzo(a)anthracene
Concen: 0.095 ng
RT: 21.171 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:228 Resp: 1231
Ion Ratio Lower Upper
228 100
226 31.9 22.6 33.8
229 23.2 16.2 24.2





#33

Chrysene

Concen: 0.109 ng

RT: 21.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

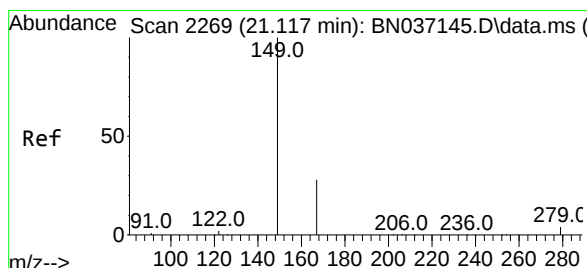
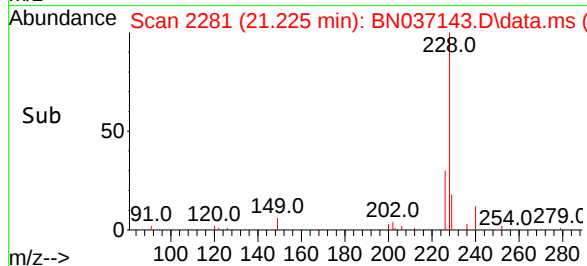
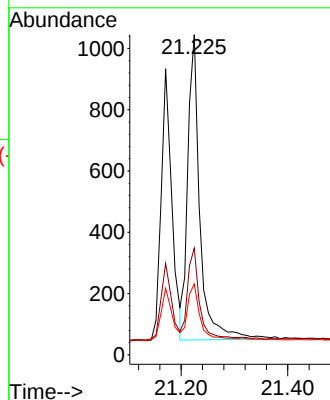
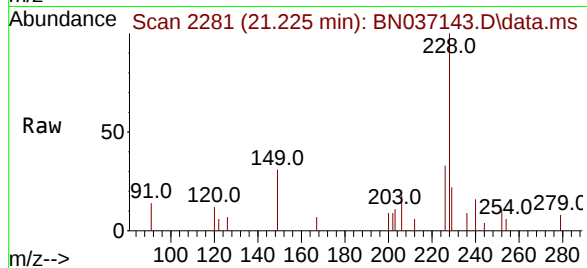
Tgt Ion:228 Resp: 1579

Ion Ratio Lower Upper

228 100

226 33.4 25.2 37.8

229 22.1 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.113 ng

RT: 21.117 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

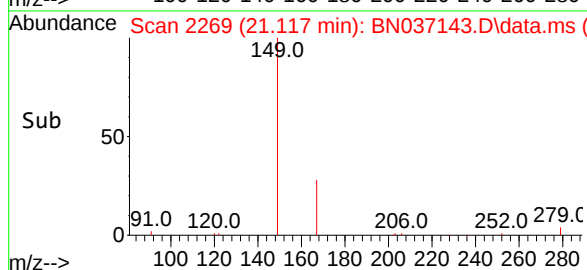
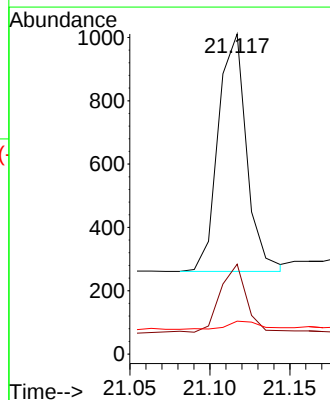
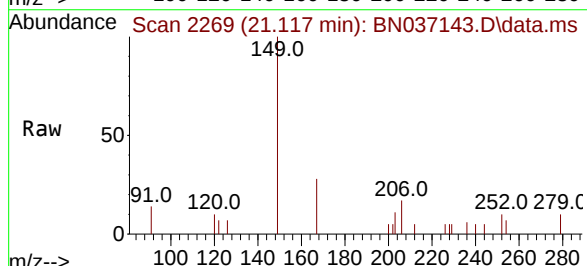
Tgt Ion:149 Resp: 928

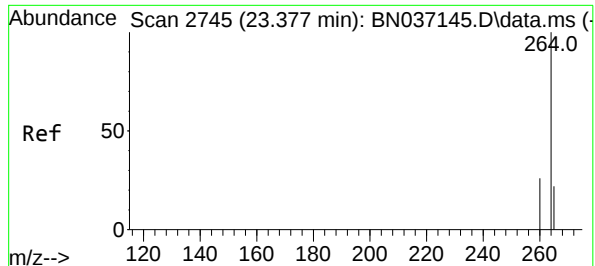
Ion Ratio Lower Upper

149 100

167 27.6 21.0 31.4

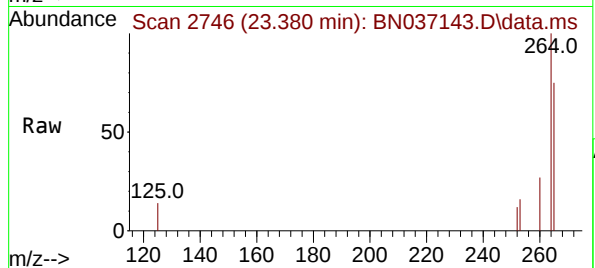
279 4.0 2.9 4.3



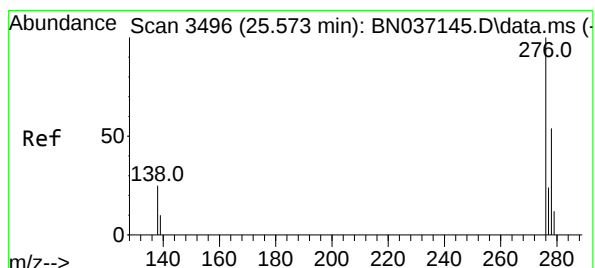
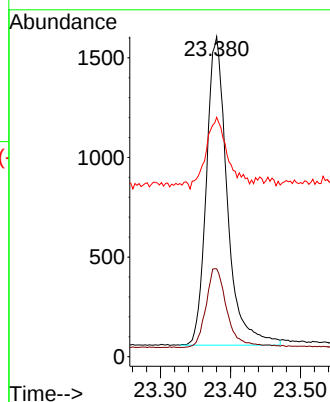
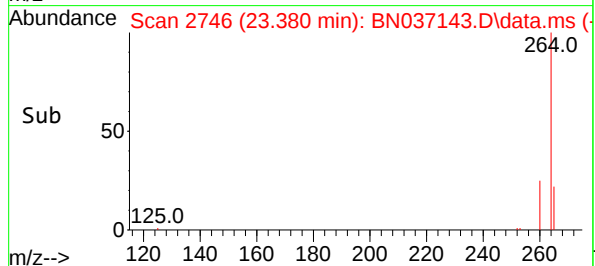


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

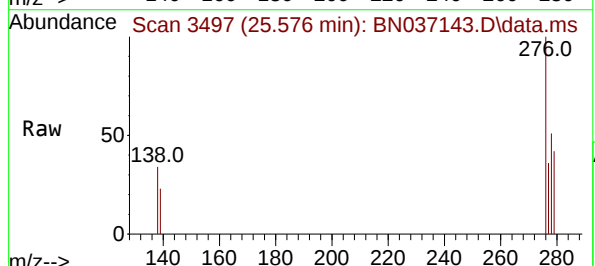
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



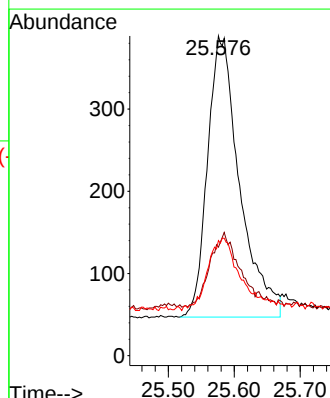
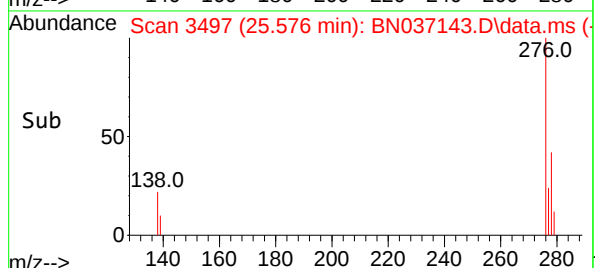
Tgt Ion:264 Resp: 3208
Ion Ratio Lower Upper
264 100
260 27.5 22.1 33.1
265 74.8 55.8 83.8

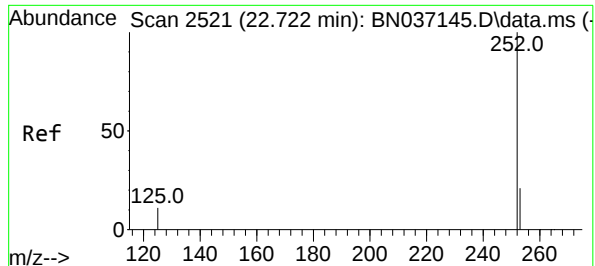


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.091 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39



Tgt Ion:276 Resp: 1157
Ion Ratio Lower Upper
276 100
138 23.5 21.0 31.6
277 24.3 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.095 ng

RT: 22.725 min Scan# 2521

Delta R.T. 0.003 min

Lab File: BN037143.D

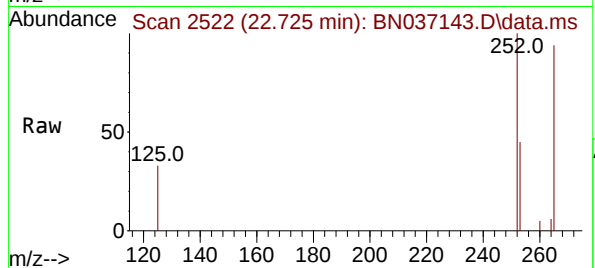
Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



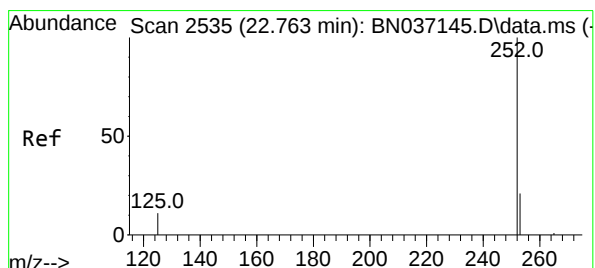
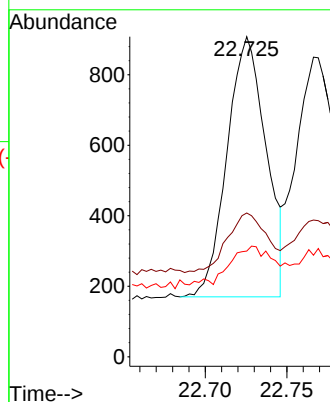
Tgt Ion:252 Resp: 1226

Ion Ratio Lower Upper

252 100

253 44.9 22.3 33.5#

125 33.0 13.2 19.8#



#38

Benzo(k)fluoranthene

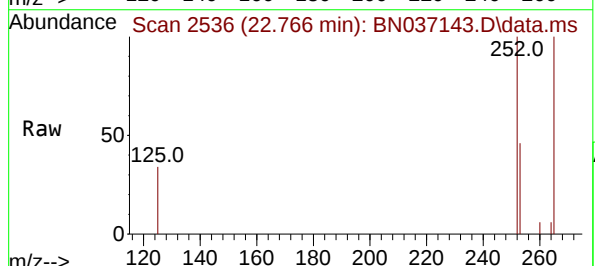
Concen: 0.096 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39



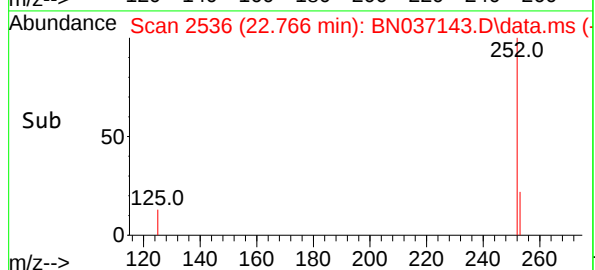
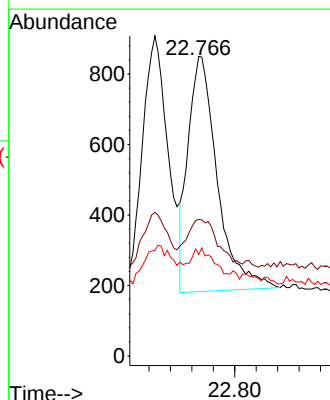
Tgt Ion:252 Resp: 1264

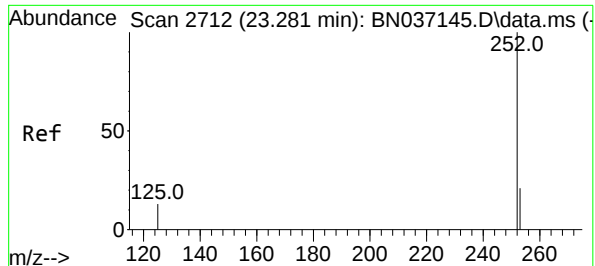
Ion Ratio Lower Upper

252 100

253 45.6 22.2 33.4#

125 33.9 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 0.097 ng

RT: 23.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

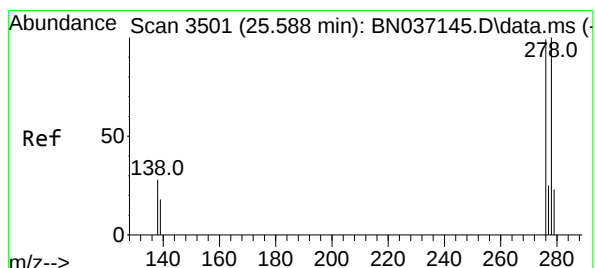
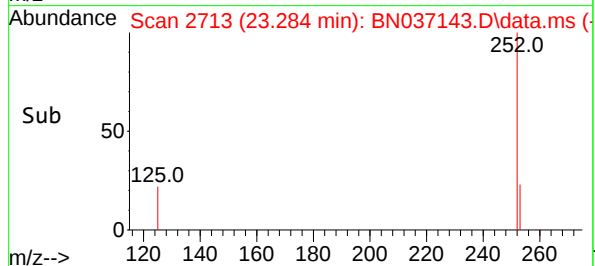
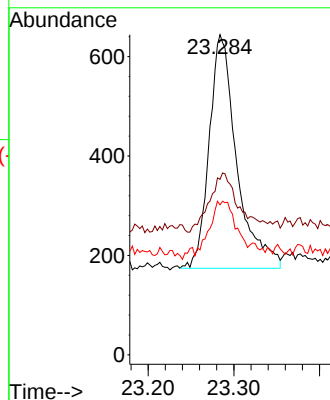
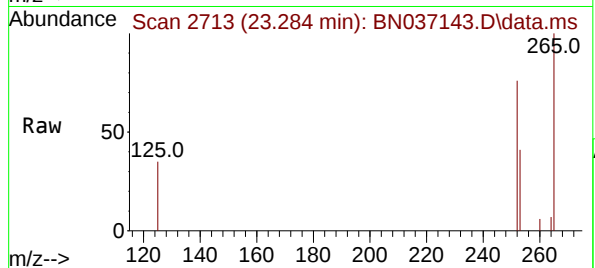
Tgt Ion:252 Resp: 1051

Ion Ratio Lower Upper

252 100

253 54.8 25.0 37.4#

125 46.9 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.087 ng

RT: 25.594 min Scan# 3503

Delta R.T. 0.006 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

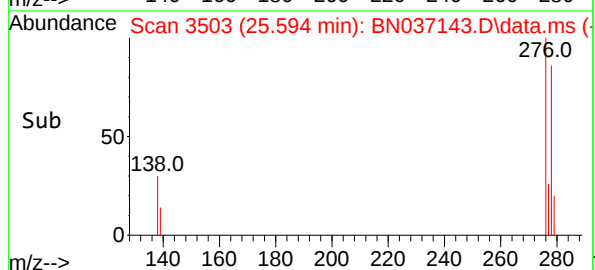
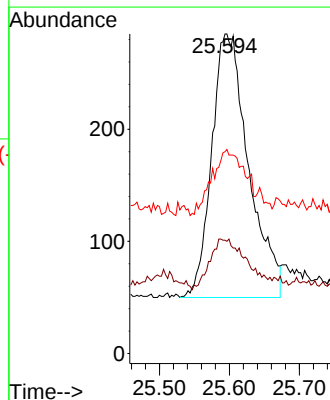
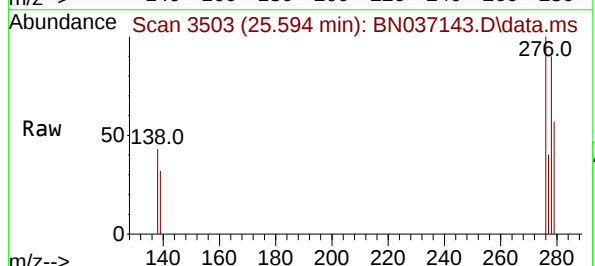
Tgt Ion:278 Resp: 861

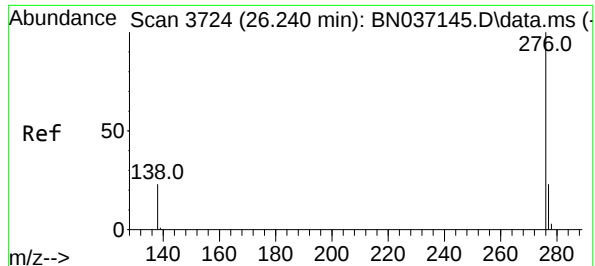
Ion Ratio Lower Upper

278 100

139 35.4 17.6 26.4#

279 63.2 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.248 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN037143.D

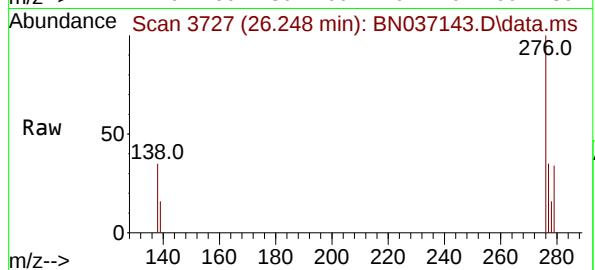
Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1



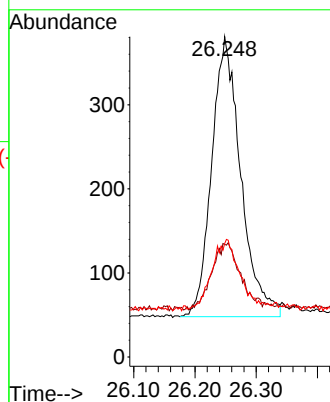
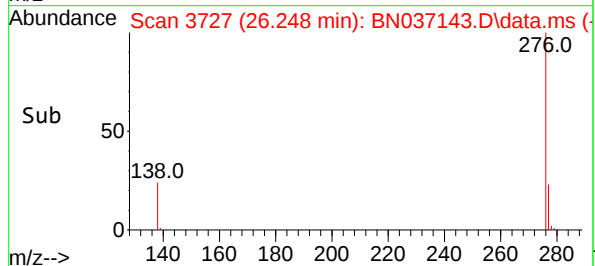
Tgt Ion:276 Resp: 1097

Ion Ratio Lower Upper

276 100

277 35.2 20.9 31.3#

138 35.4 20.8 31.2#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037144.D
 Acq On : 03 Jun 2025 12:15
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Jun 04 01:41:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

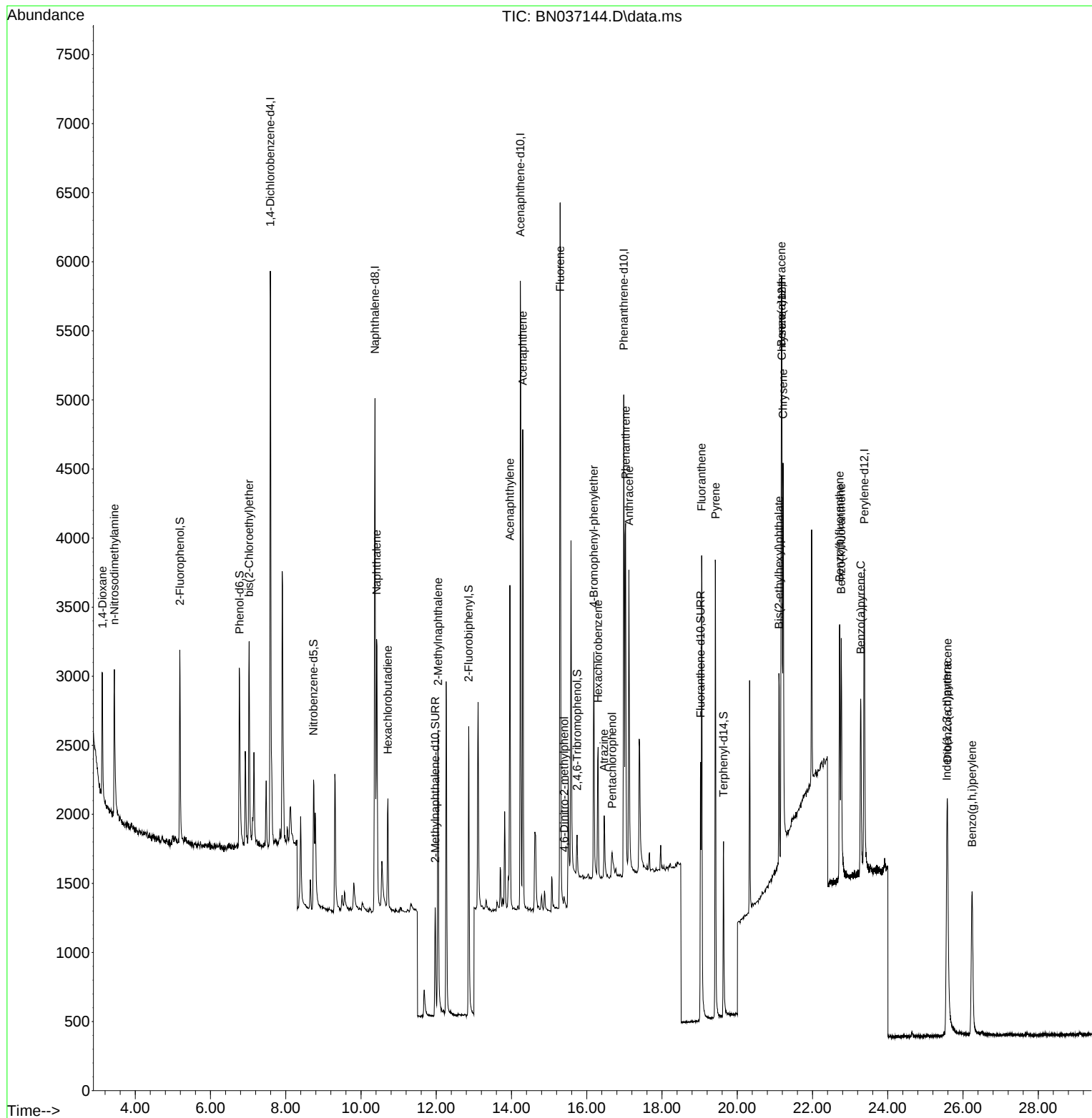
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2031	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5053	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2624	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4950	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3306	0.400	ng	0.00
35) Perylene-d12	23.374	264	3099	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1033	0.206	ng	0.00
5) Phenol-d6	6.773	99	1162	0.191	ng	0.00
8) Nitrobenzene-d5	8.739	82	967	0.181	ng	0.00
11) 2-Methylnaphthalene-d10	11.970	152	1302	0.185	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	193	0.183	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	2219	0.198	ng	0.00
27) Fluoranthene-d10	19.026	212	2318	0.184	ng	0.00
31) Terphenyl-d14	19.635	244	1502	0.193	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.126	88	667	0.246	ng	86
3) n-Nitrosodimethylamine	3.444	42	1047	0.193	ng	95
6) bis(2-Chloroethyl)ether	7.026	93	1157	0.199	ng	97
9) Naphthalene	10.415	128	2843	0.195	ng	97
10) Hexachlorobutadiene	10.714	225	630	0.198	ng	# 95
12) 2-Methylnaphthalene	12.046	142	1717	0.184	ng	98
16) Acenaphthylene	13.956	152	2500	0.194	ng	99
17) Acenaphthene	14.299	154	1644	0.197	ng	99
18) Fluorene	15.293	166	2069	0.188	ng	99
20) 4,6-Dinitro-2-methylph...	15.400	198	97	0.341	ng	# 54
21) 4-Bromophenyl-phenylether	16.189	248	626	0.193	ng	97
22) Hexachlorobenzene	16.301	284	703	0.201	ng	98
23) Atrazine	16.462	200	494	0.184	ng	94
24) Pentachlorophenol	16.673	266	214	0.317	ng	97
25) Phenanthrene	17.033	178	3073	0.192	ng	99
26) Anthracene	17.120	178	2721	0.186	ng	98
28) Fluoranthene	19.054	202	3203	0.181	ng	99
30) Pyrene	19.421	202	3263	0.202	ng	100
32) Benzo(a)anthracene	21.171	228	2259	0.189	ng	95
33) Chrysene	21.215	228	2704	0.203	ng	97
34) Bis(2-ethylhexyl)phtha...	21.108	149	1420	0.188	ng	98
36) Indeno(1,2,3-cd)pyrene	25.570	276	2487	0.202	ng	100
37) Benzo(b)fluoranthene	22.719	252	2355	0.188	ng	# 87
38) Benzo(k)fluoranthene	22.763	252	2425	0.190	ng	# 86
39) Benzo(a)pyrene	23.281	252	1994	0.190	ng	# 81
40) Dibenzo(a,h)anthracene	25.587	278	1809	0.190	ng	# 85
41) Benzo(g,h,i)perylene	26.239	276	2247	0.206	ng	# 91

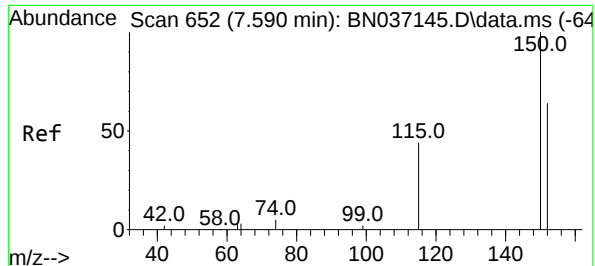
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037144.D
Acq On : 03 Jun 2025 12:15
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jun 04 01:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration

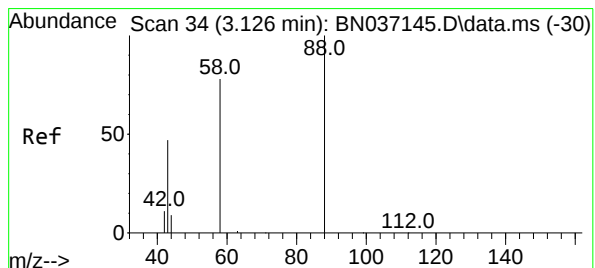
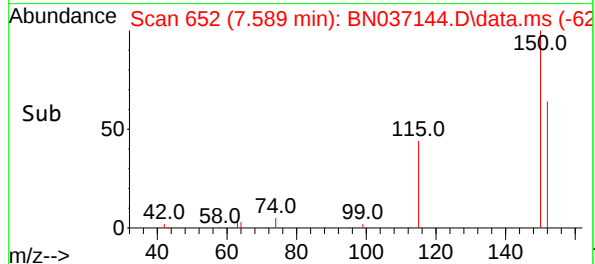
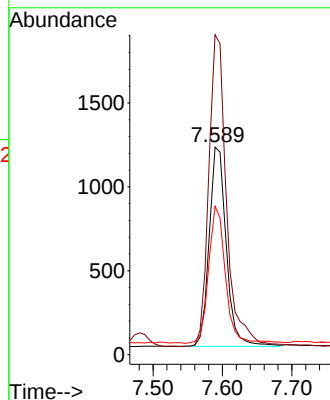
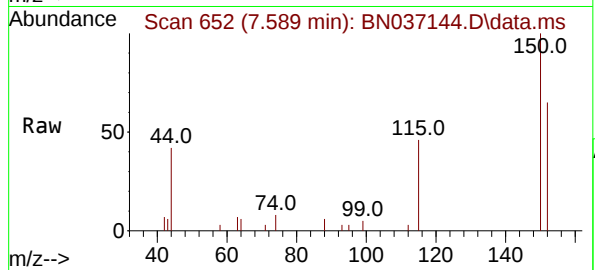




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

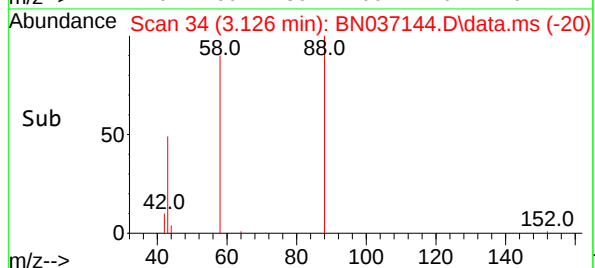
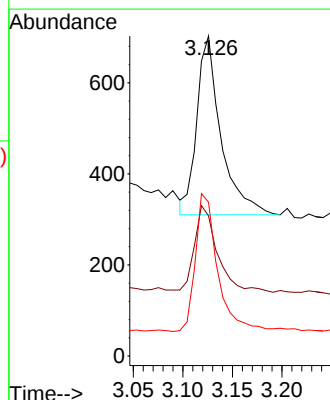
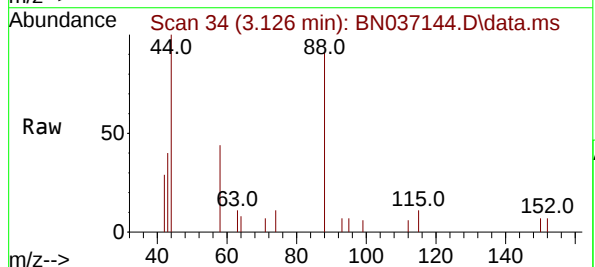
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

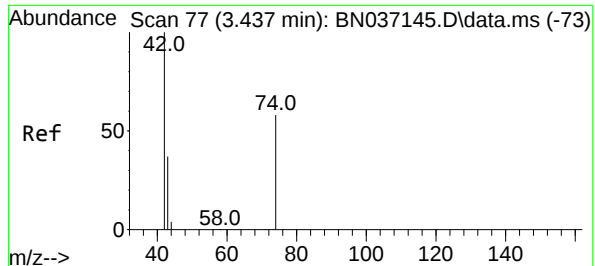
Tgt Ion:152 Resp: 2031
Ion Ratio Lower Upper
152 100
150 154.2 123.2 184.8
115 71.5 56.6 85.0



#2
1,4-Dioxane
Concen: 0.246 ng
RT: 3.126 min Scan# 34
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion: 88 Resp: 667
Ion Ratio Lower Upper
88 100
43 46.2 43.5 65.3
58 70.9 67.7 101.5

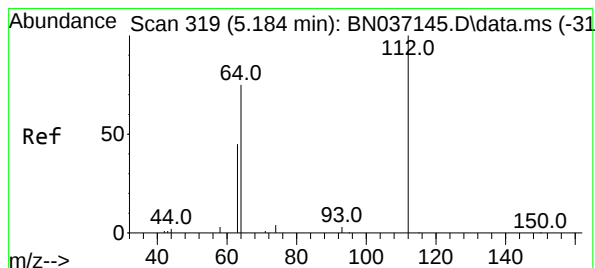
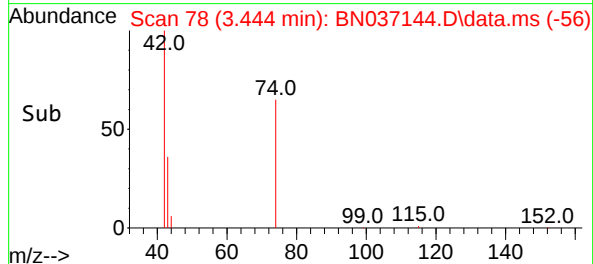
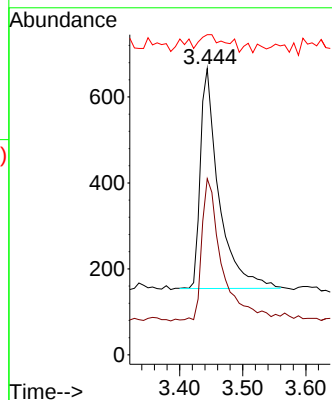
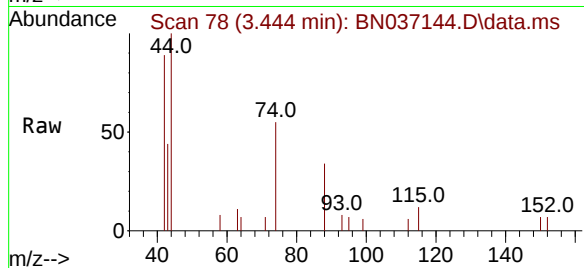




#3
n-Nitrosodimethylamine
Concen: 0.193 ng
RT: 3.444 min Scan# 71
Delta R.T. 0.007 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

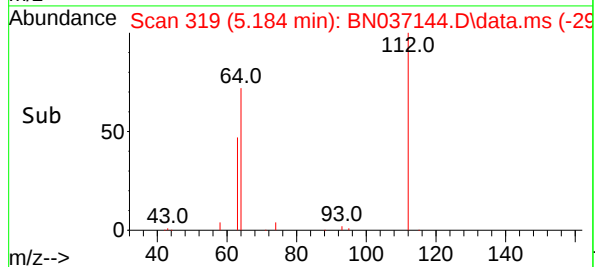
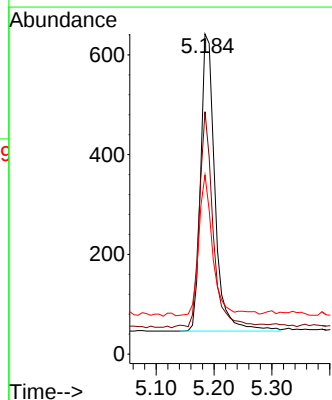
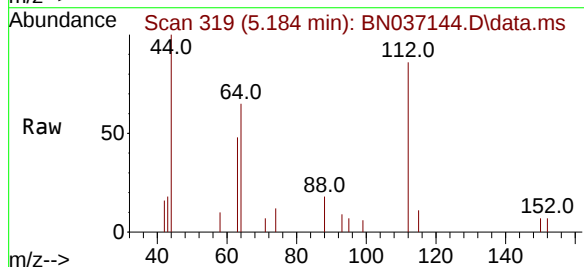
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

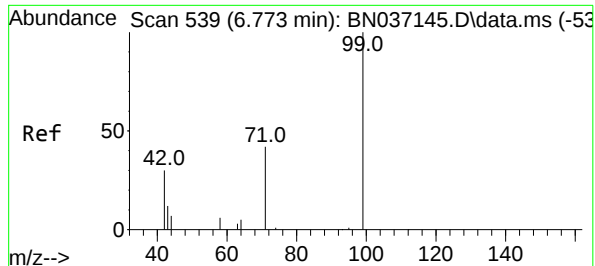
Tgt Ion: 42 Resp: 1047
Ion Ratio Lower Upper
42 100
74 70.1 53.0 79.4
44 7.7 5.9 8.9



#4
2-Fluorophenol
Concen: 0.206 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion: 112 Resp: 1033
Ion Ratio Lower Upper
112 100
64 69.4 56.3 84.5
63 44.3 36.2 54.4

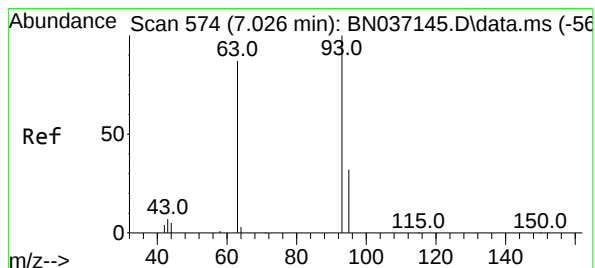
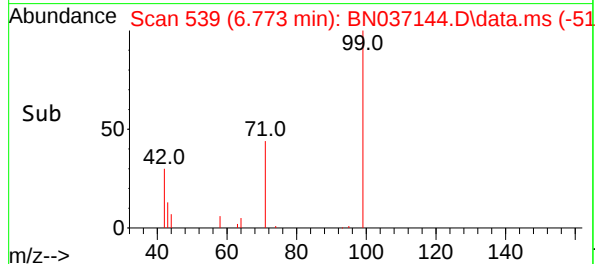
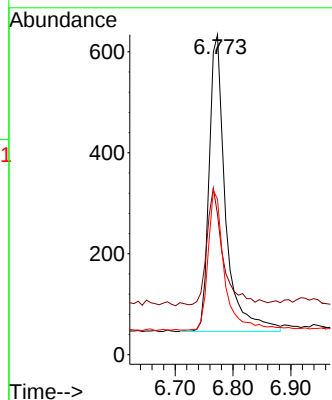
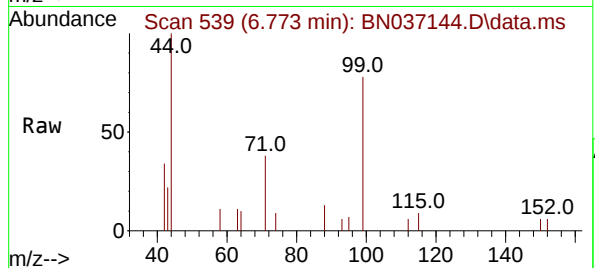




#5
Phenol-d6
Concen: 0.191 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

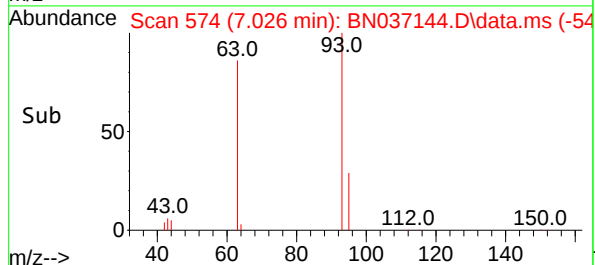
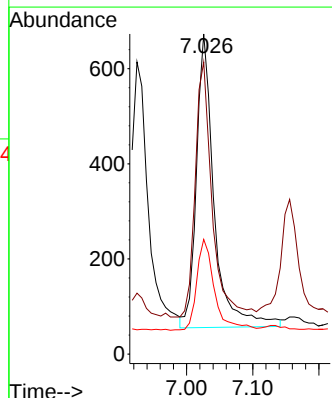
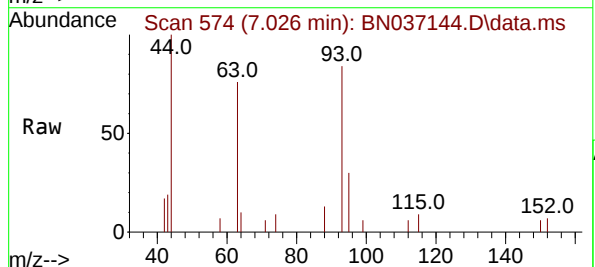
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

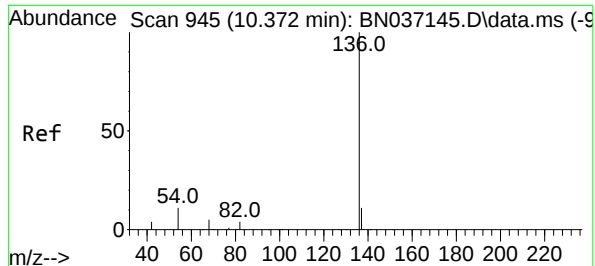
Tgt Ion	Ratio	Lower	Upper
99	100		
42	38.3	31.3	46.9
71	47.2	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.199 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion	Ratio	Lower	Upper
93	100		
63	82.2	68.6	103.0
95	30.9	24.3	36.5

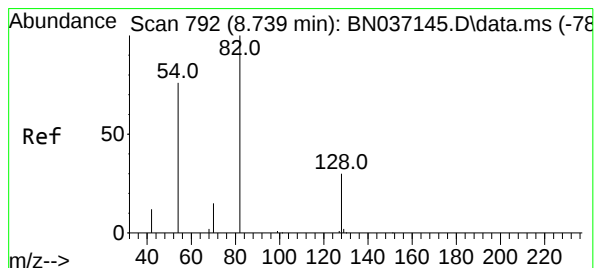
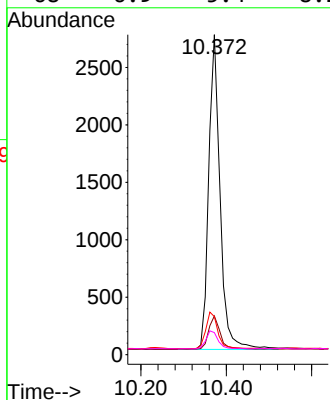
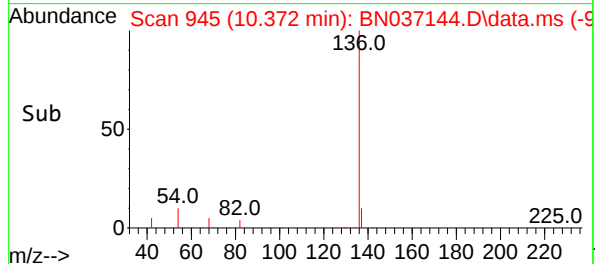
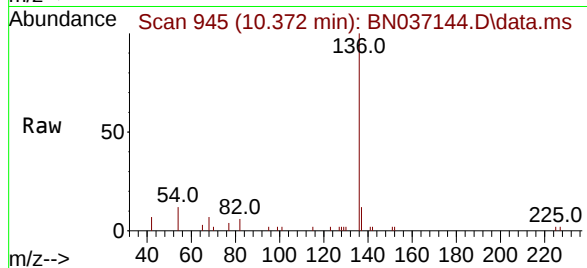




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

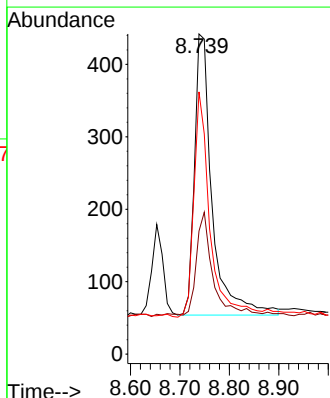
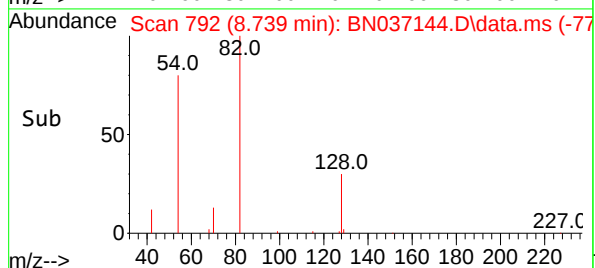
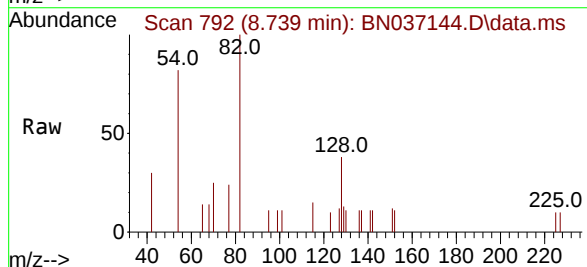
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

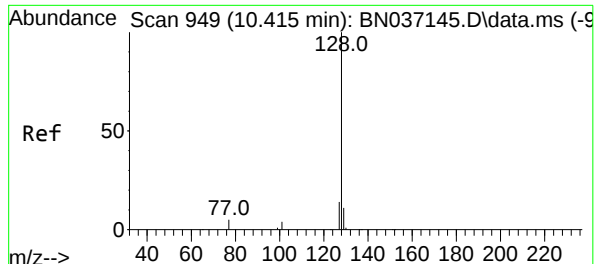
Tgt Ion:	136	Resp:	5053
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	11.9	9.7	14.5
68	6.9	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.181 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:	82	Resp:	967
Ion	Ratio	Lower	Upper
82	100		
128	38.5	26.9	40.3
54	81.9	61.4	92.2

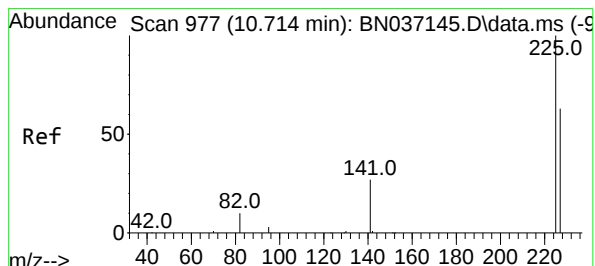
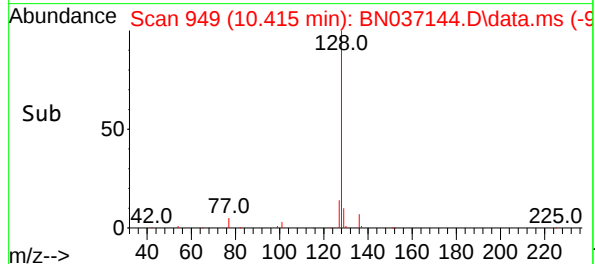
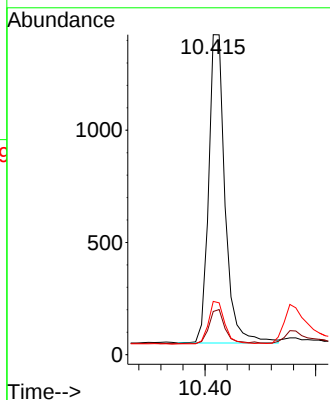
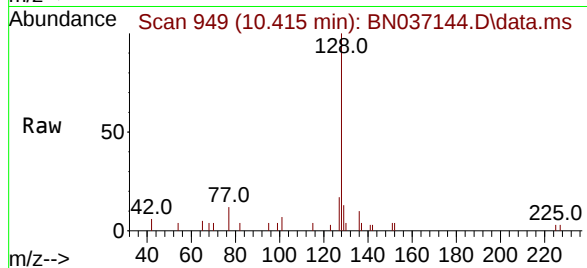




#9
Naphthalene
Concen: 0.195 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

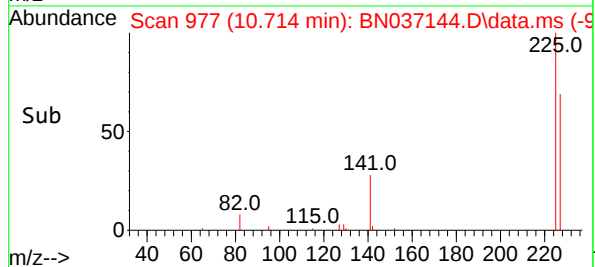
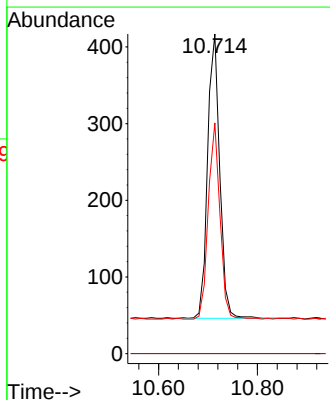
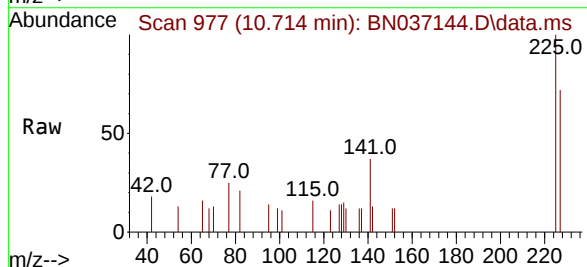
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

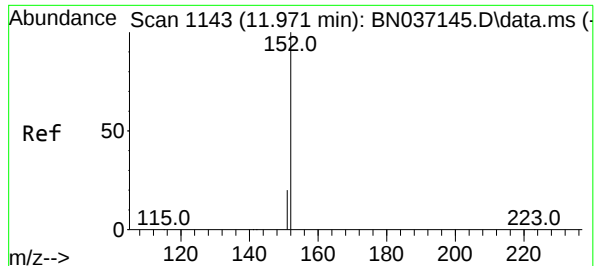
Tgt Ion:128 Resp: 2843
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.8
127 16.6 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.198 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:225 Resp: 630
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 67.0 50.3 75.5

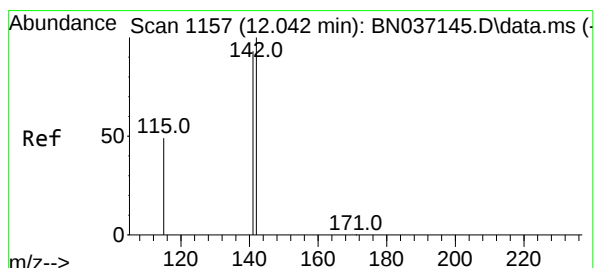
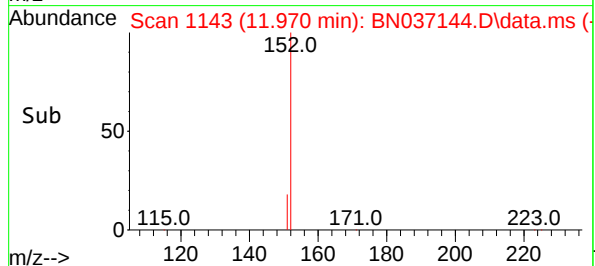
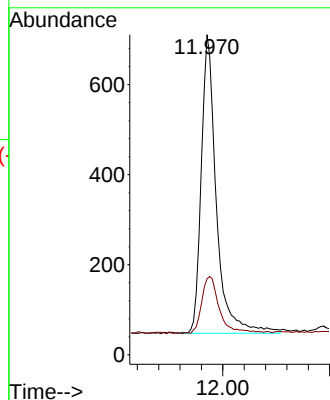
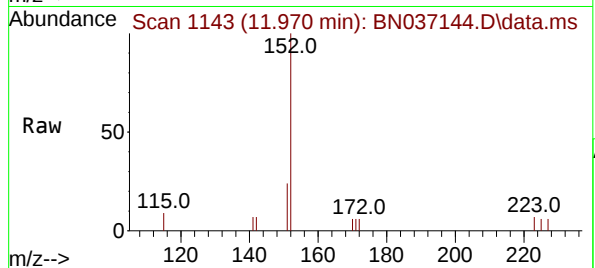




#11
2-Methylnaphthalene-d10
Concen: 0.185 ng
RT: 11.970 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

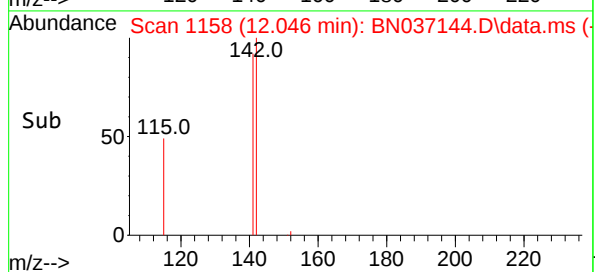
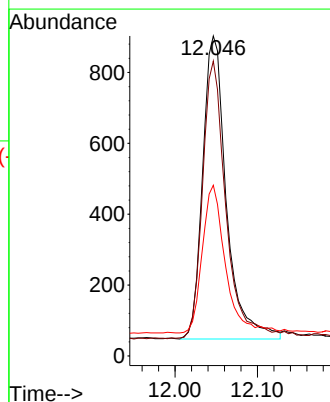
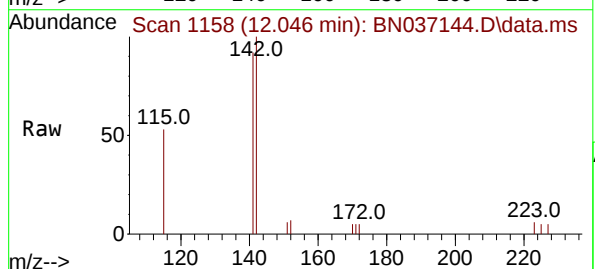
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

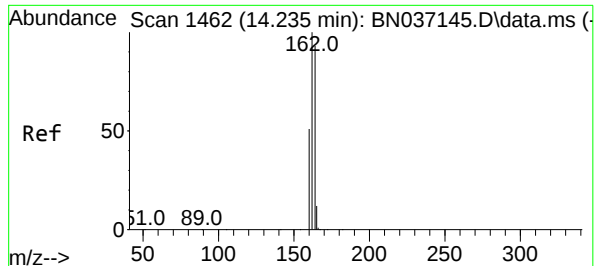
Tgt Ion:152 Resp: 1302
Ion Ratio Lower Upper
152 100
151 22.8 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.184 ng
RT: 12.046 min Scan# 1158
Delta R.T. 0.005 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:142 Resp: 1717
Ion Ratio Lower Upper
142 100
141 92.1 74.6 111.8
115 53.4 41.0 61.4

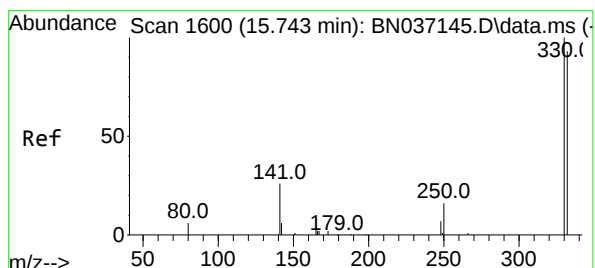
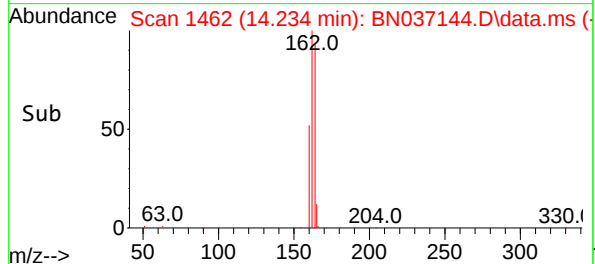
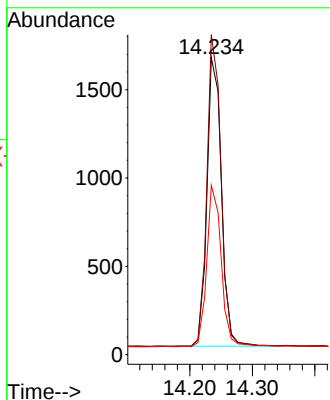
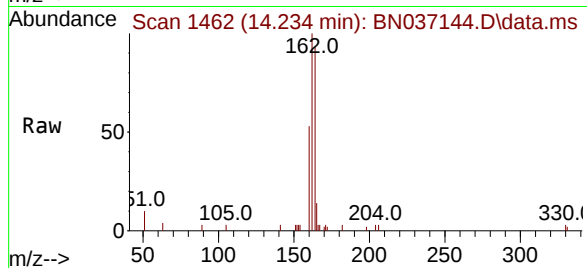




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

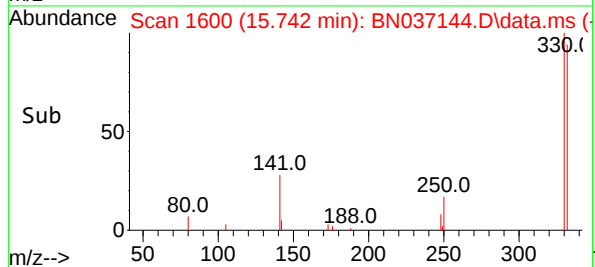
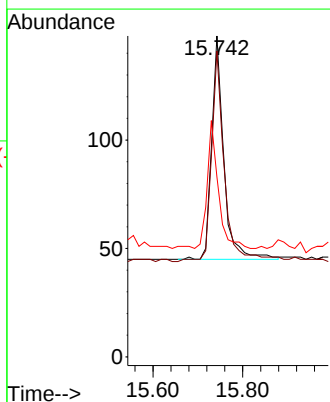
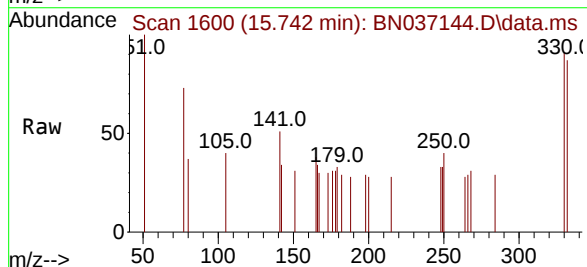
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

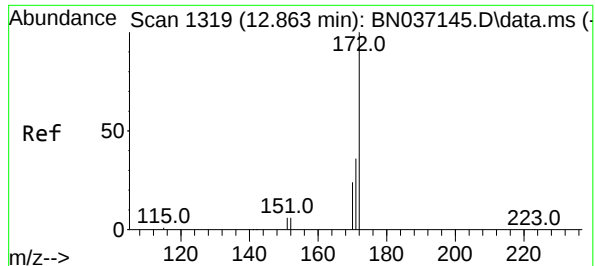
Tgt Ion:164 Resp: 2624
Ion Ratio Lower Upper
164 100
162 107.7 85.5 128.3
160 57.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.742 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:330 Resp: 193
Ion Ratio Lower Upper
330 100
332 99.5 77.1 115.7
141 52.3 46.4 69.6

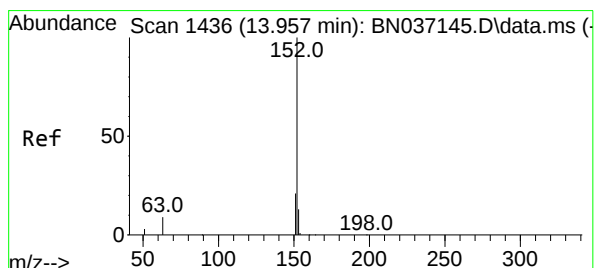
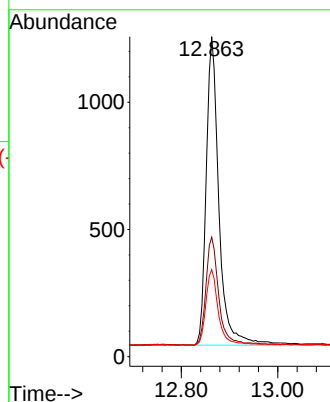
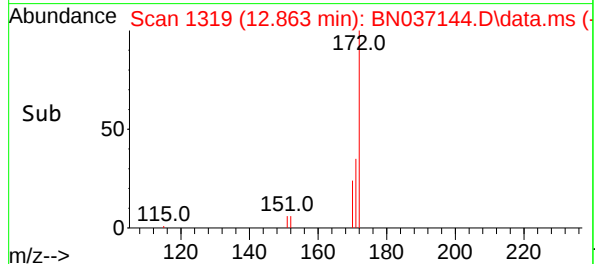
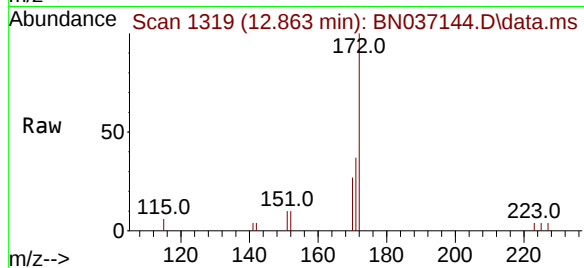




#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 12.863 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

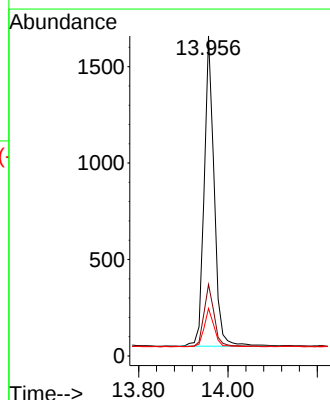
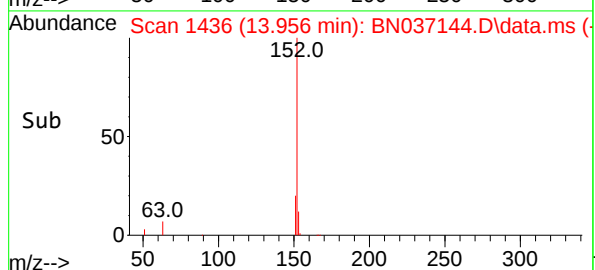
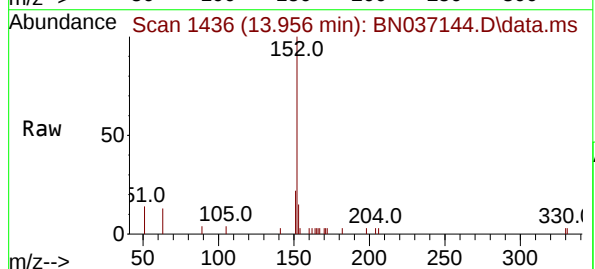
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

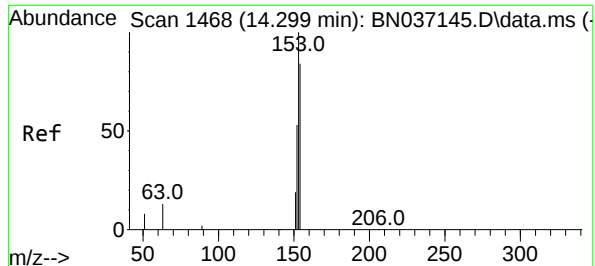
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	27.2	20.3	30.5



#16
Acenaphthylene
Concen: 0.194 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	12.6	10.6	15.8

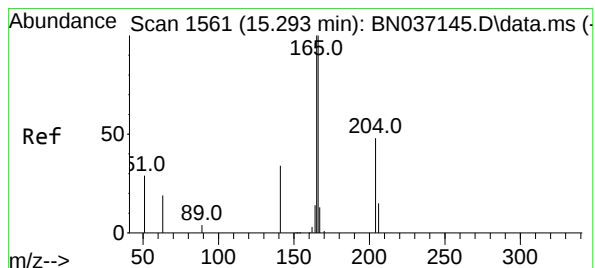
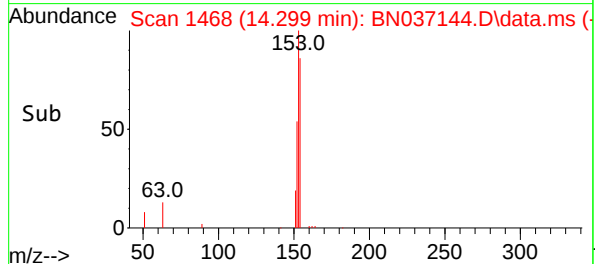
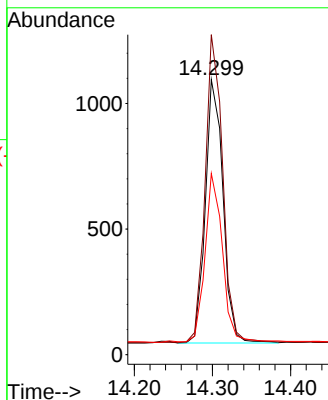
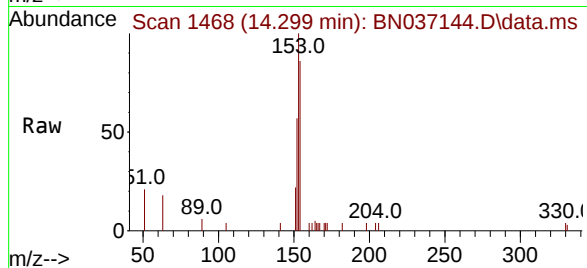




#17
Acenaphthene
Concen: 0.197 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

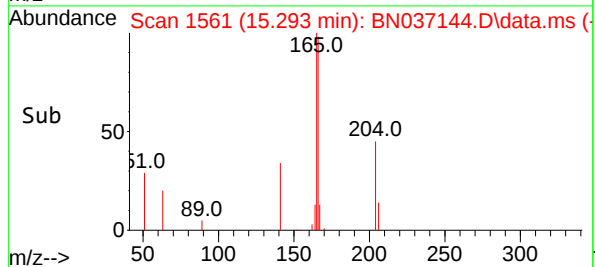
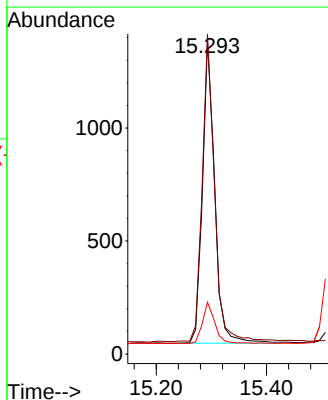
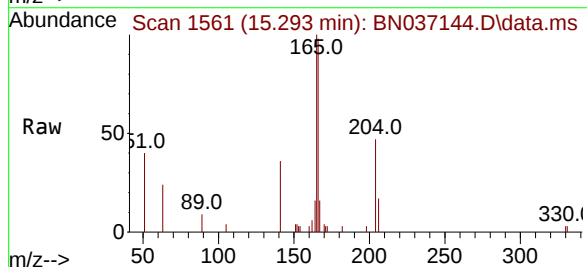
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

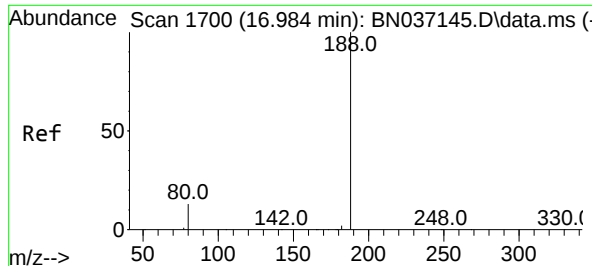
Tgt Ion:154 Resp: 1644
Ion Ratio Lower Upper
154 100
153 117.0 93.8 140.8
152 65.3 50.5 75.7



#18
Fluorene
Concen: 0.188 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:166 Resp: 2069
Ion Ratio Lower Upper
166 100
165 102.4 81.1 121.7
167 13.8 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

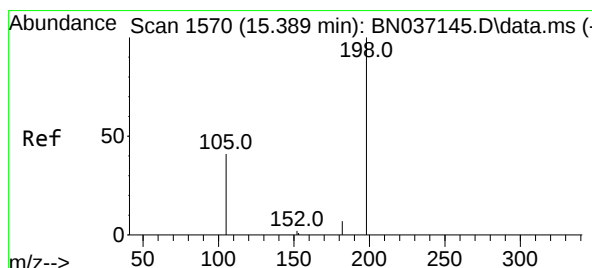
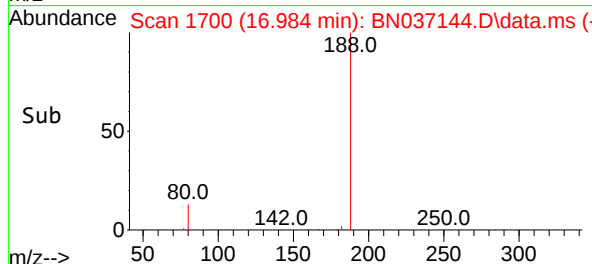
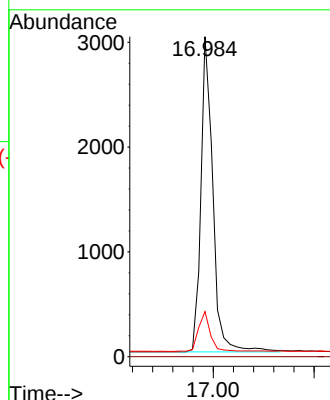
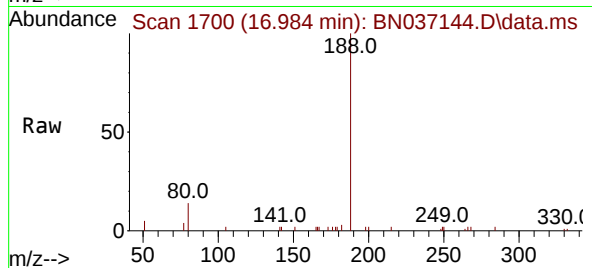
Tgt Ion:188 Resp: 4950

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.341 ng

RT: 15.400 min Scan# 1571

Delta R.T. 0.011 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

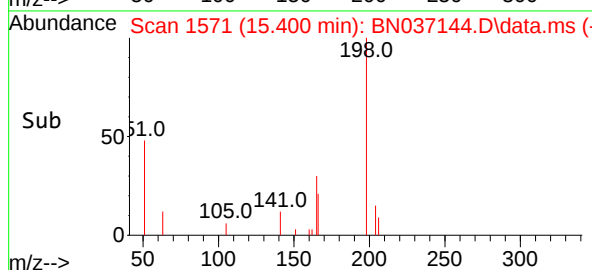
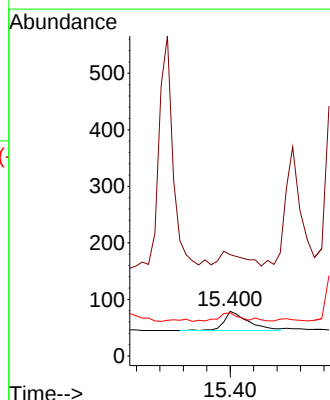
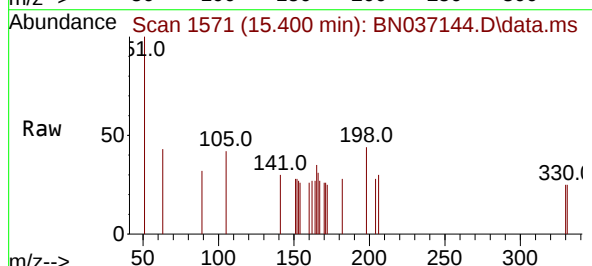
Tgt Ion:198 Resp: 97

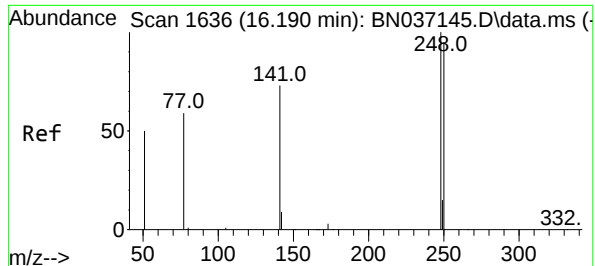
Ion Ratio Lower Upper

198 100

51 226.6 125.2 187.8#

105 96.2 57.1 85.7#

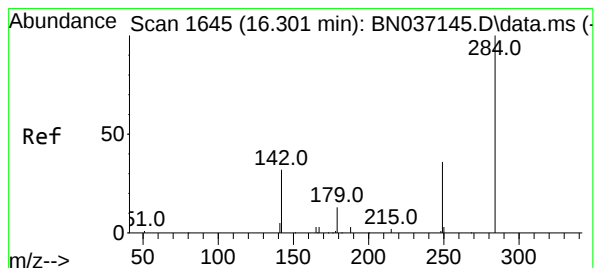
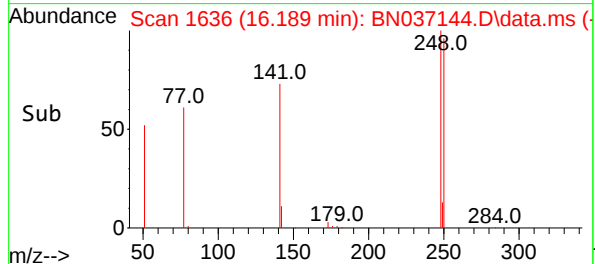
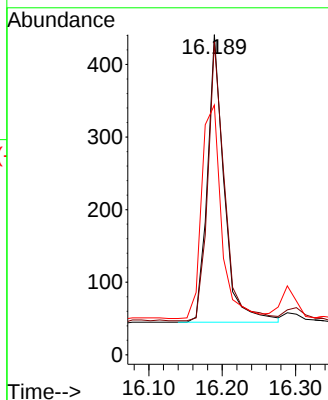
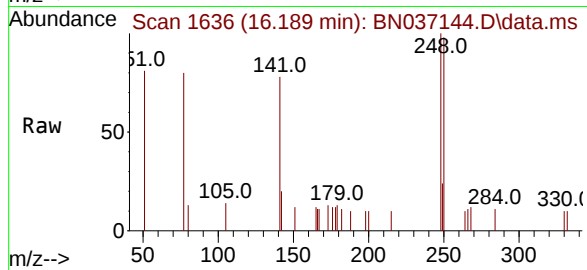




#21
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

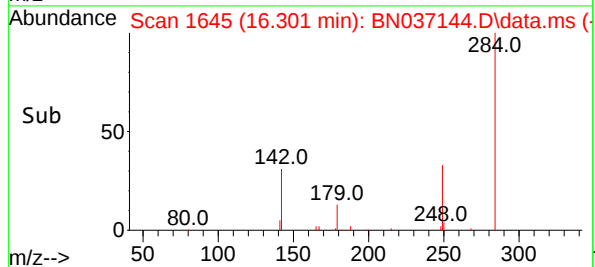
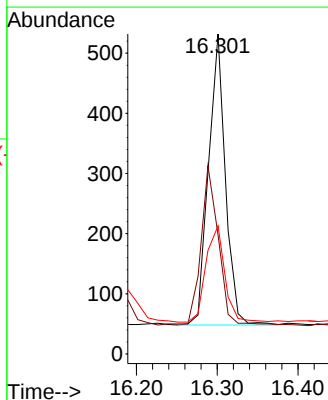
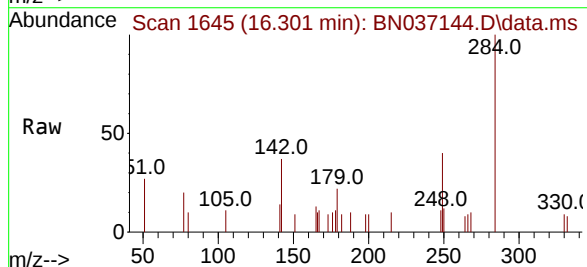
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

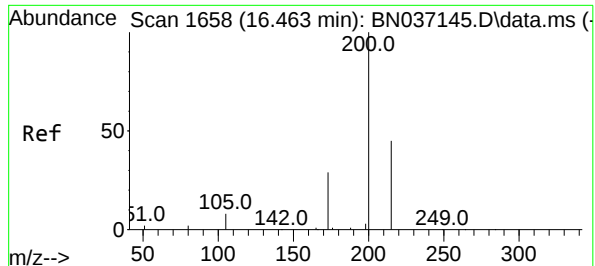
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.1	114.1
141	78.0	60.1	90.1



#22
Hexachlorobenzene
Concen: 0.201 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion	Ratio	Lower	Upper
284	100		
142	57.2	44.0	66.0
249	36.7	29.7	44.5

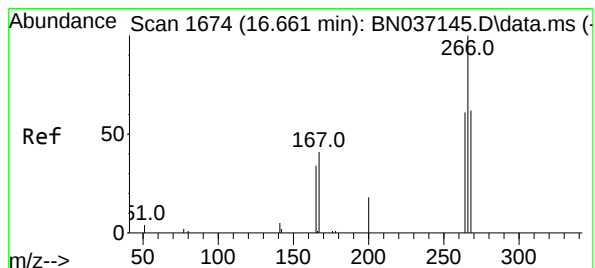
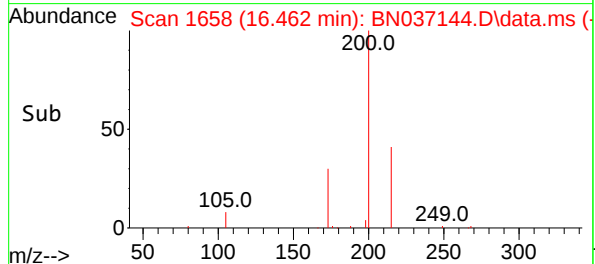
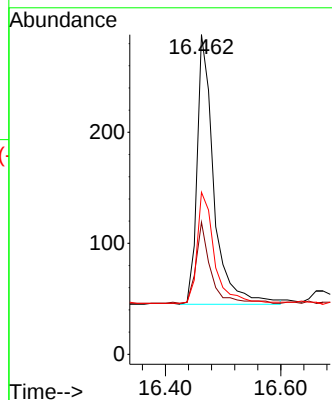
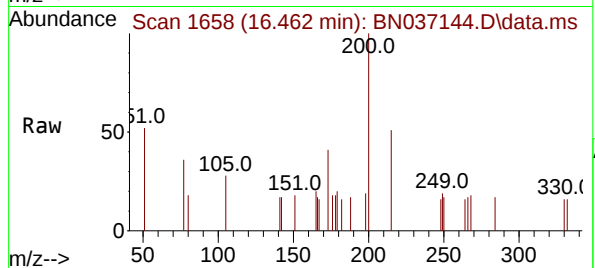




#23
Atrazine
Concen: 0.184 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

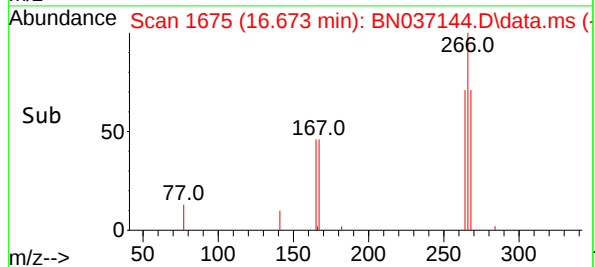
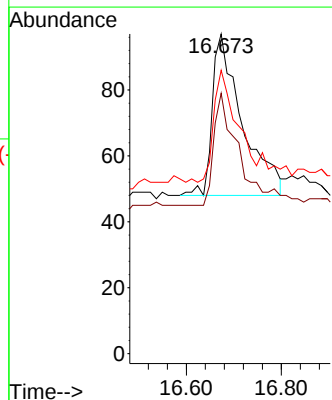
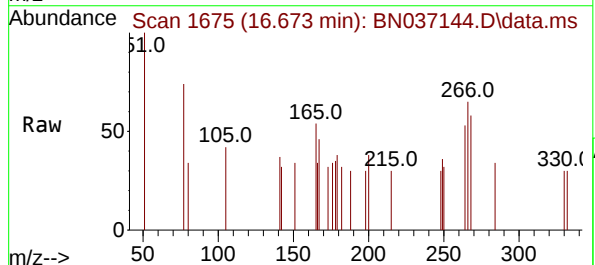
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

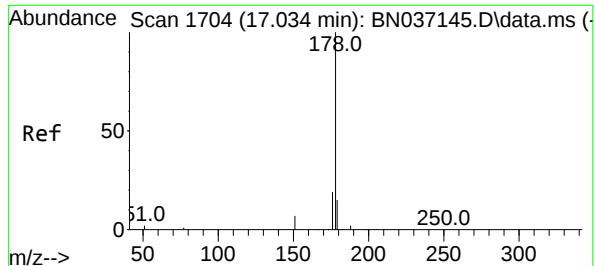
Tgt Ion:200 Resp: 494
Ion Ratio Lower Upper
200 100
173 41.3 28.1 42.1
215 50.7 39.3 58.9



#24
Pentachlorophenol
Concen: 0.317 ng
RT: 16.673 min Scan# 1675
Delta R.T. 0.012 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:266 Resp: 214
Ion Ratio Lower Upper
266 100
264 57.9 49.3 73.9
268 62.1 49.0 73.4

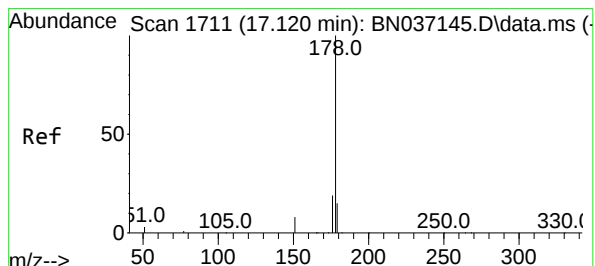
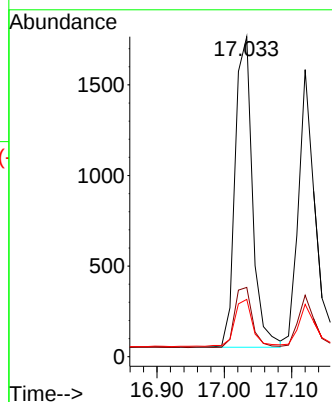
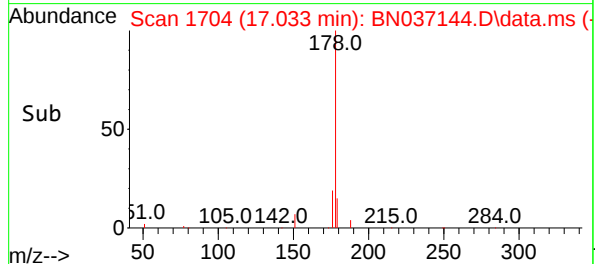
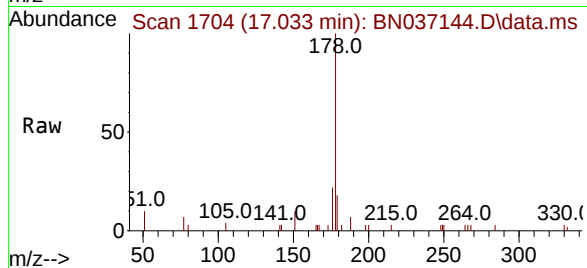




#25
Phenanthrene
Concen: 0.192 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

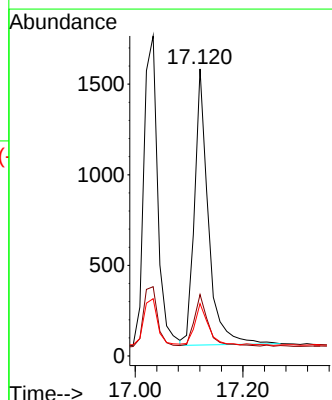
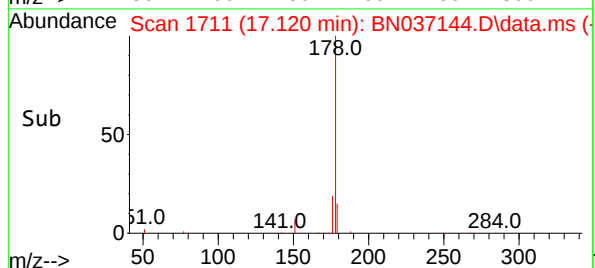
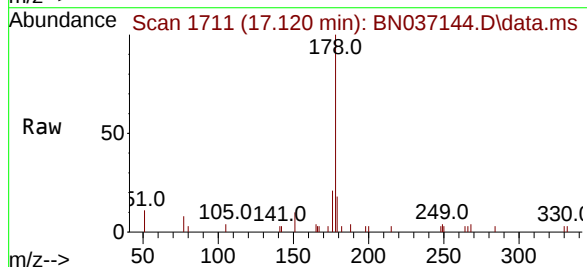
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

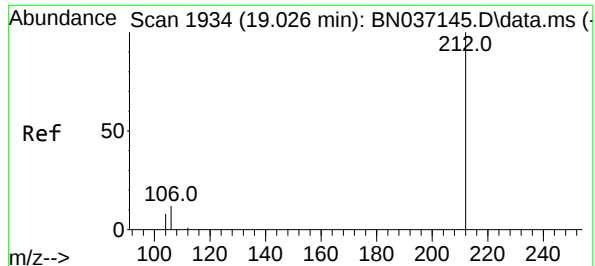
Tgt Ion:178 Resp: 3073
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 16.0 12.3 18.5



#26
Anthracene
Concen: 0.186 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion:178 Resp: 2721
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 14.5 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.184 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

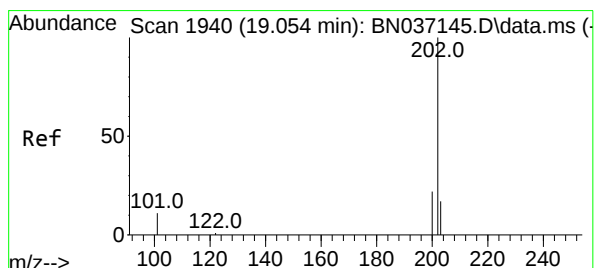
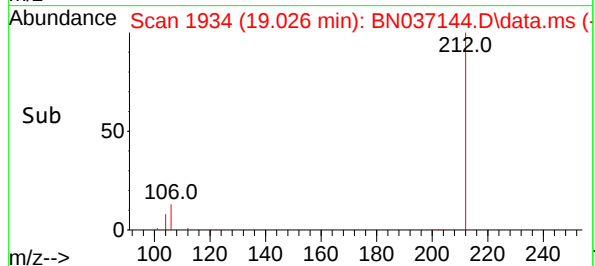
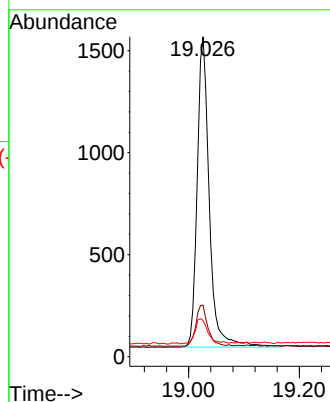
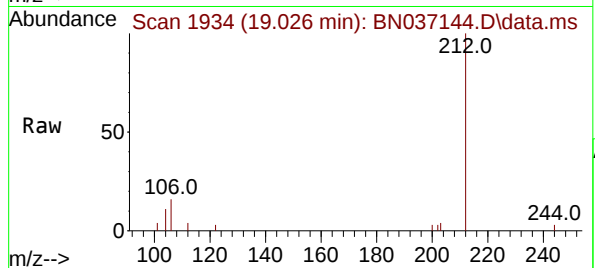
Tgt Ion:212 Resp: 2318

Ion Ratio Lower Upper

212 100

106 13.2 10.6 15.8

104 8.7 6.6 9.8



#28

Fluoranthene

Concen: 0.181 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

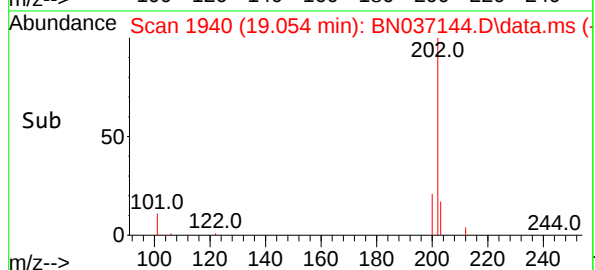
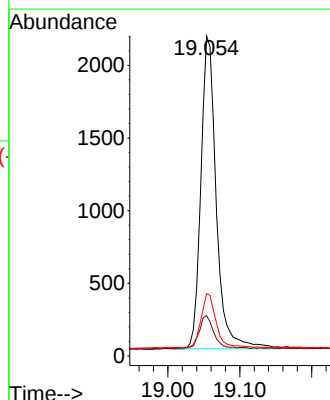
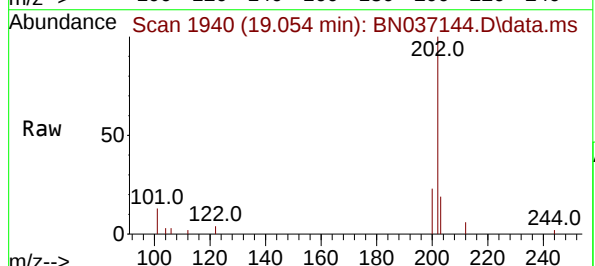
Tgt Ion:202 Resp: 3203

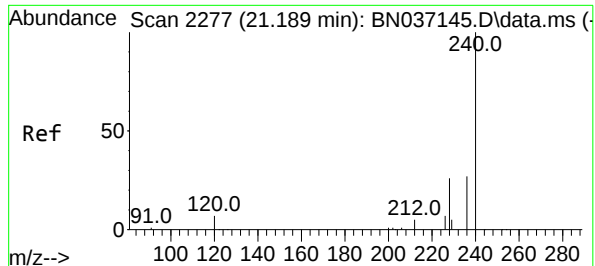
Ion Ratio Lower Upper

202 100

101 10.2 8.7 13.1

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

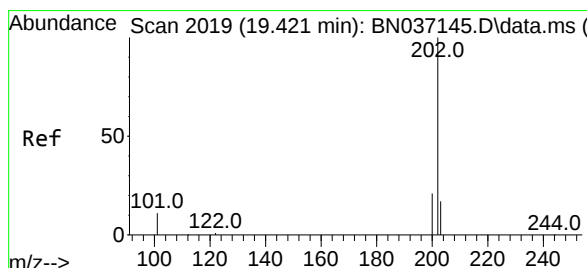
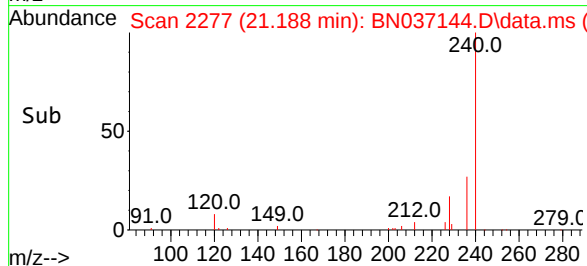
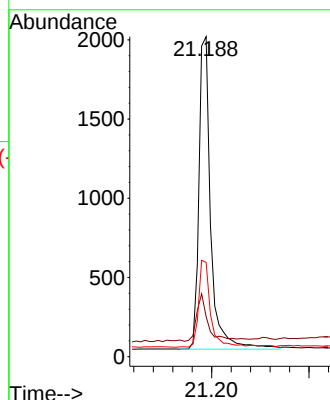
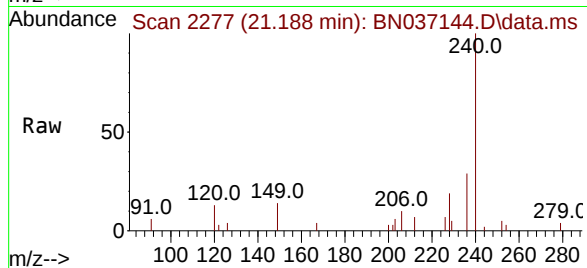
Tgt Ion:240 Resp: 3306

Ion Ratio Lower Upper

240 100

120 12.5 9.0 13.4

236 29.5 23.0 34.4



#30

Pyrene

Concen: 0.202 ng

RT: 19.421 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

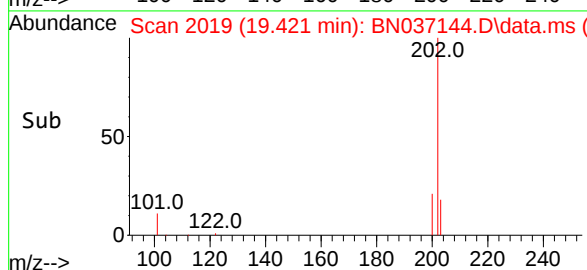
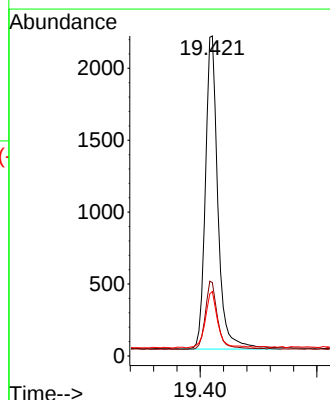
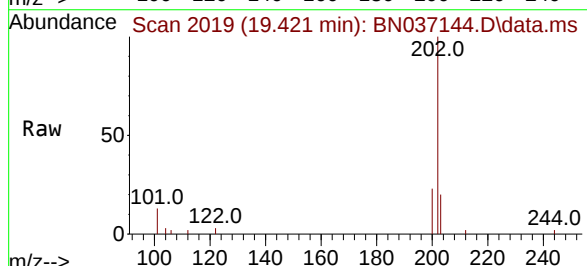
Tgt Ion:202 Resp: 3263

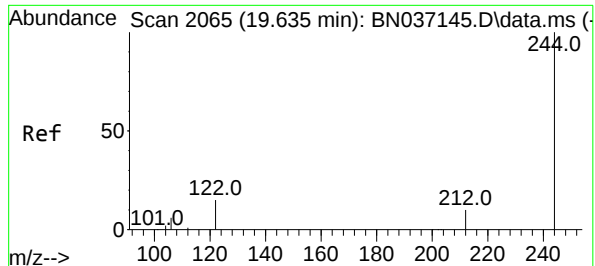
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.7 14.2 21.4

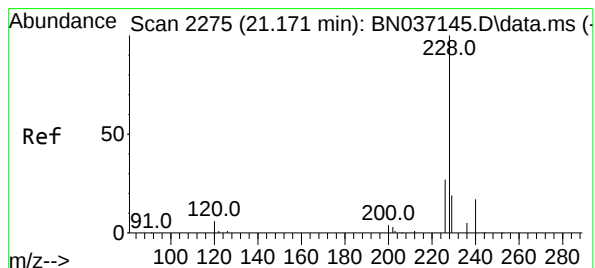
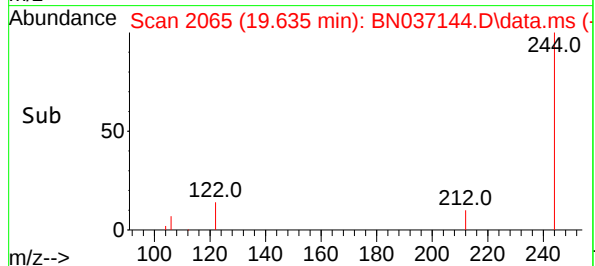
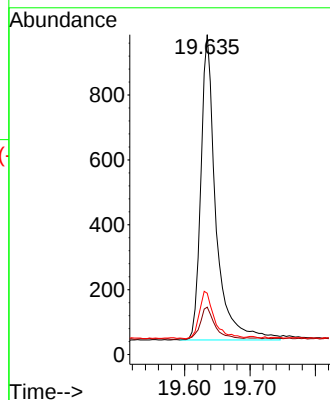
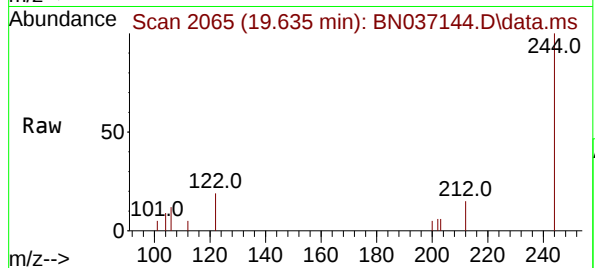




#31
Terphenyl-d14
Concen: 0.193 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

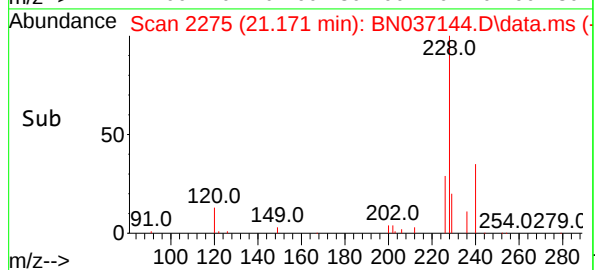
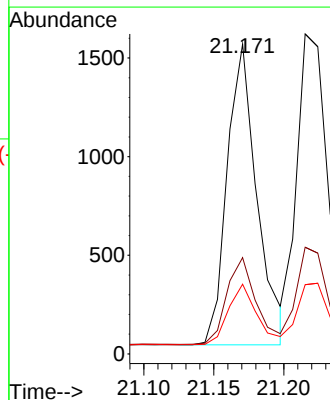
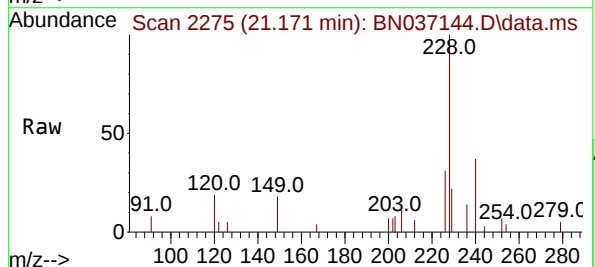
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

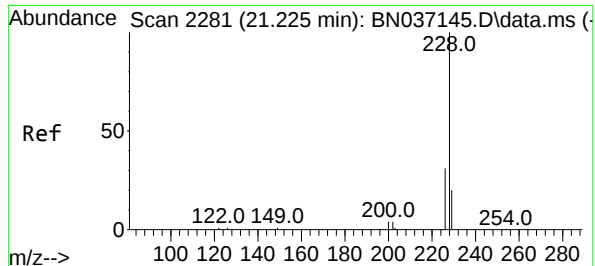
Tgt Ion	Ratio	Lower	Upper
244	100		
212	14.8	10.0	15.0
122	19.2	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.189 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	22.5	16.2	24.2





#33

Chrysene

Concen: 0.203 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

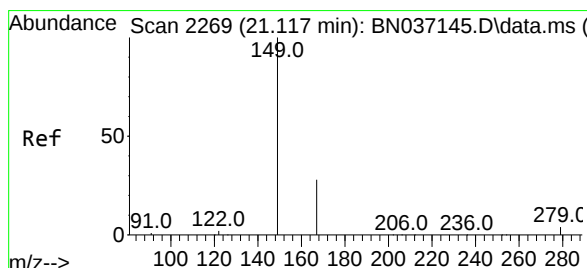
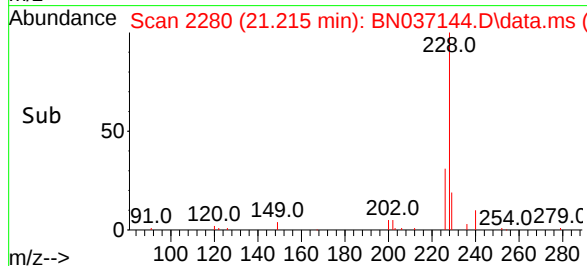
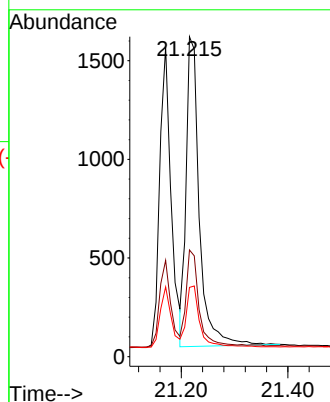
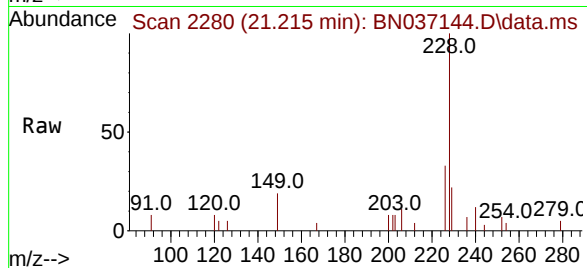
Tgt Ion:228 Resp: 2704

Ion Ratio Lower Upper

228 100

226 33.4 25.2 37.8

229 21.6 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.188 ng

RT: 21.108 min Scan# 2268

Delta R.T. -0.009 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

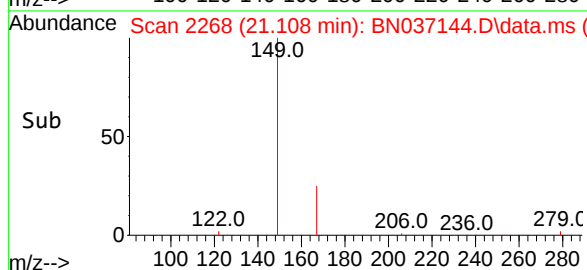
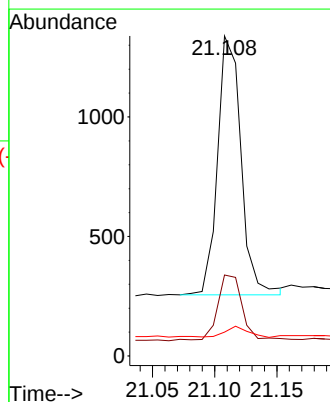
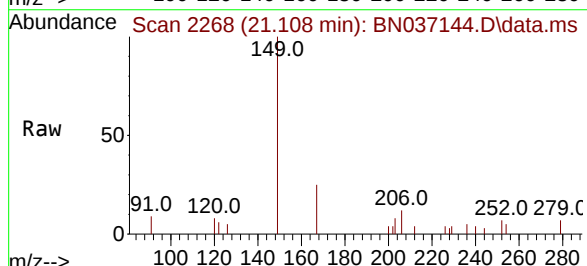
Tgt Ion:149 Resp: 1420

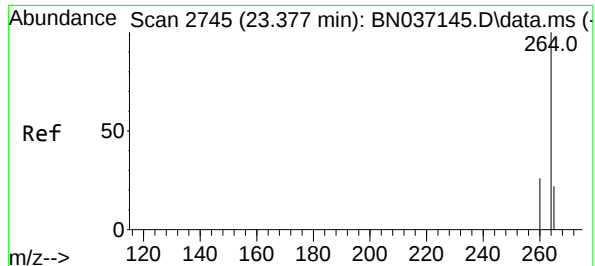
Ion Ratio Lower Upper

149 100

167 27.5 21.0 31.4

279 4.1 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

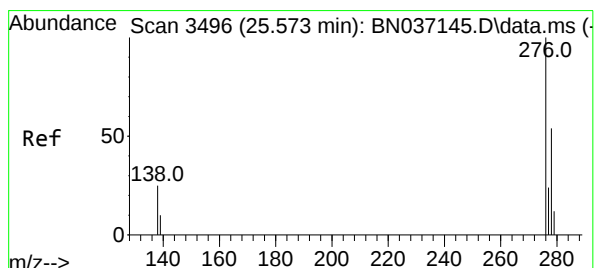
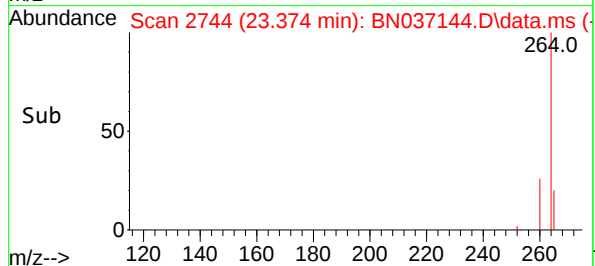
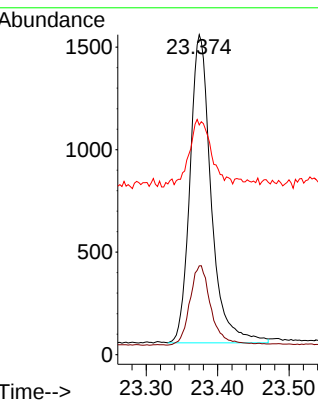
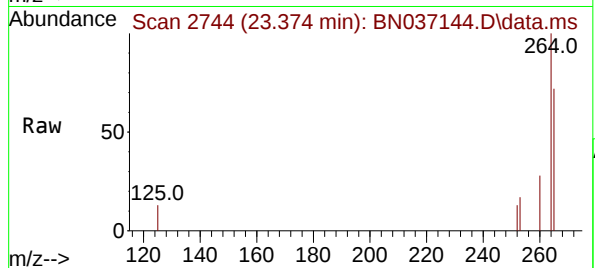
Tgt Ion:264 Resp: 3099

Ion Ratio Lower Upper

264 100

260 27.7 22.1 33.1

265 71.8 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.202 ng

RT: 25.570 min Scan# 3495

Delta R.T. -0.003 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

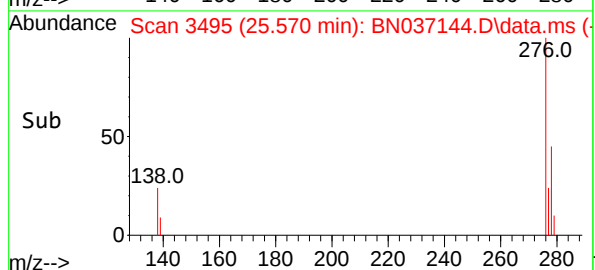
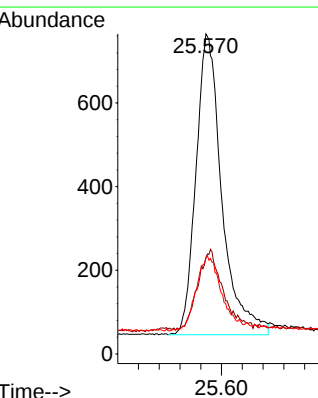
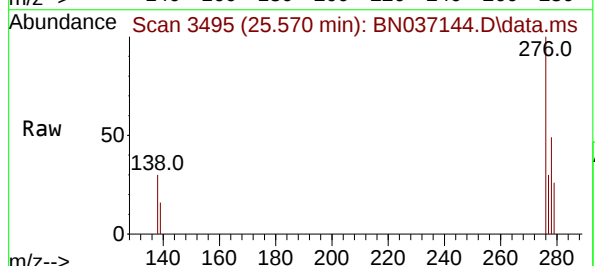
Tgt Ion:276 Resp: 2487

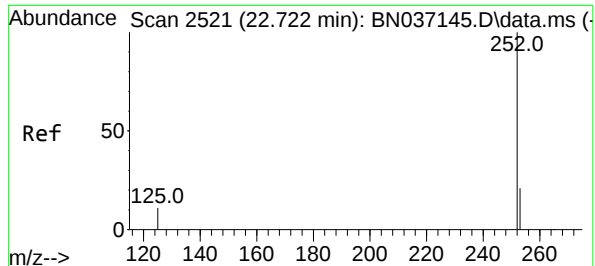
Ion Ratio Lower Upper

276 100

138 26.3 21.0 31.6

277 24.6 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.188 ng

RT: 22.719 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

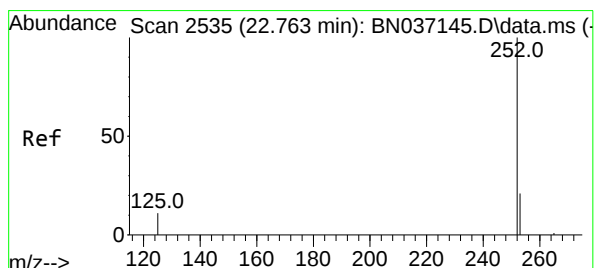
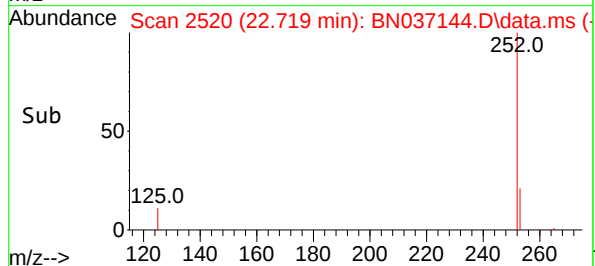
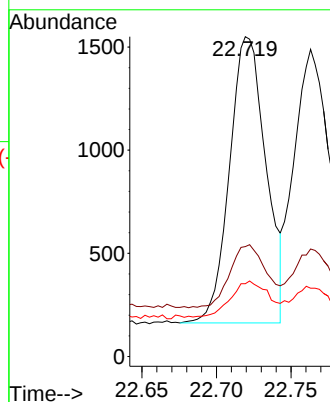
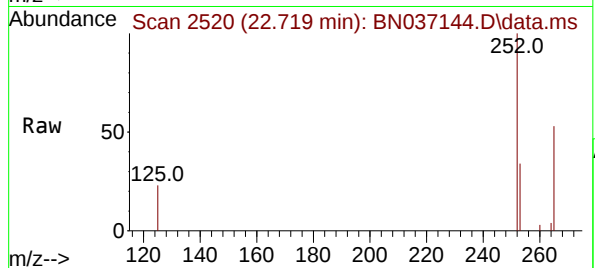
Tgt Ion:252 Resp: 2355

Ion Ratio Lower Upper

252 100

253 34.4 22.3 33.5#

125 22.8 13.2 19.8#



#38

Benzo(k)fluoranthene

Concen: 0.190 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

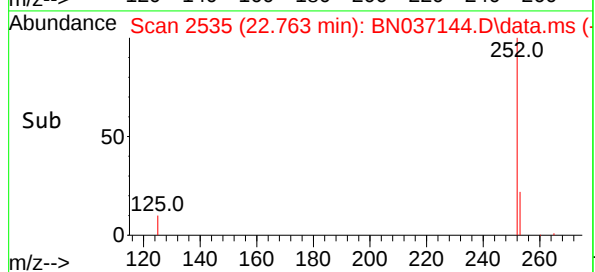
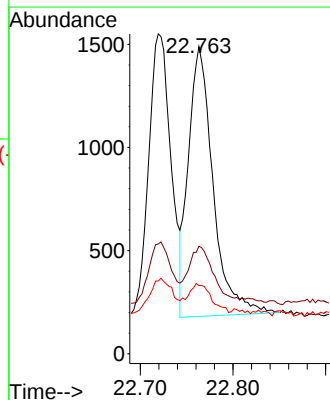
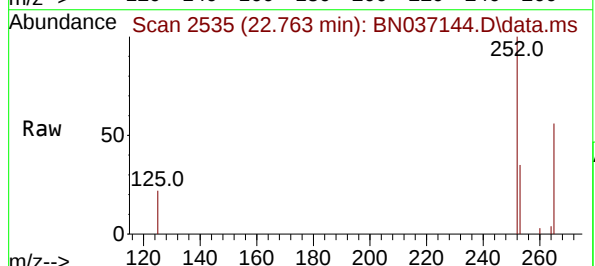
Tgt Ion:252 Resp: 2425

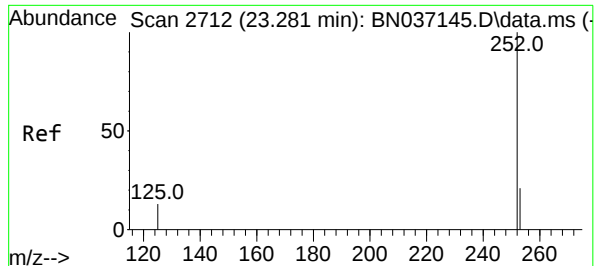
Ion Ratio Lower Upper

252 100

253 35.0 22.2 33.4#

125 22.2 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 0.190 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037144.D

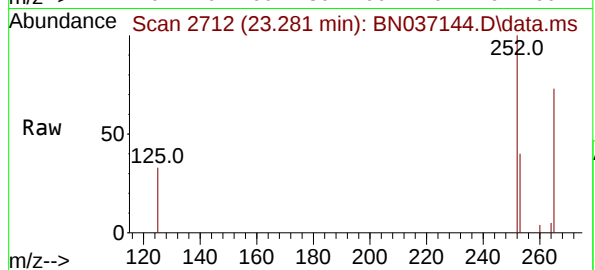
Acq: 03 Jun 2025 12:15

Instrument :

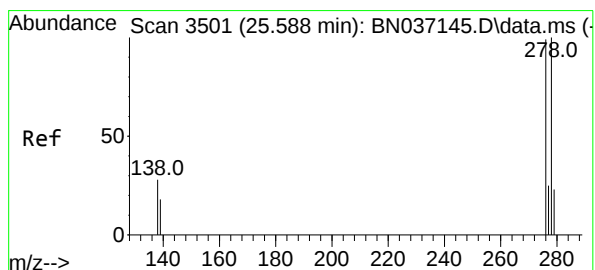
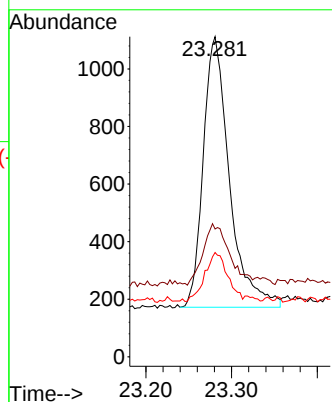
BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:	252	Resp:	1994
Ion Ratio	Lower	Upper	
252	100		
253	39.9	25.0	37.4#
125	32.6	17.0	25.6#



#40

Dibenzo(a,h)anthracene

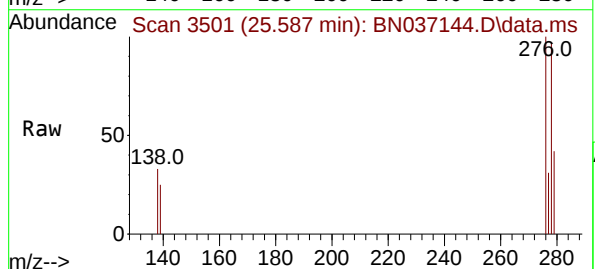
Concen: 0.190 ng

RT: 25.587 min Scan# 3501

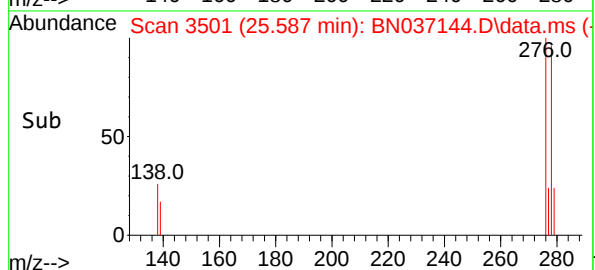
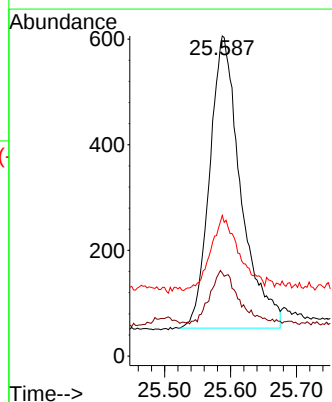
Delta R.T. -0.000 min

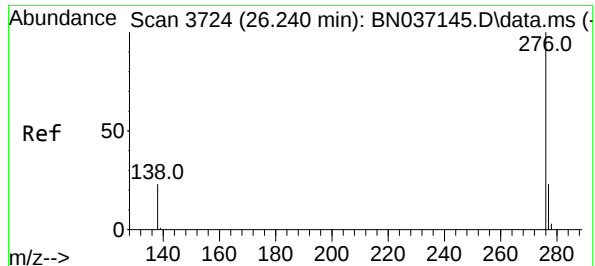
Lab File: BN037144.D

Acq: 03 Jun 2025 12:15



Tgt Ion:	278	Resp:	1809
Ion Ratio	Lower	Upper	
278	100		
139	25.9	17.6	26.4
279	43.9	26.0	39.0#





#41

Benzo(g,h,i)perylene

Concen: 0.206 ng

RT: 26.239 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037144.D

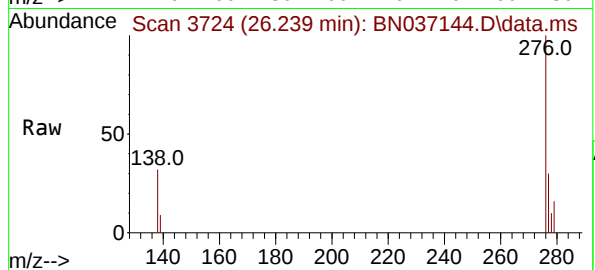
Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



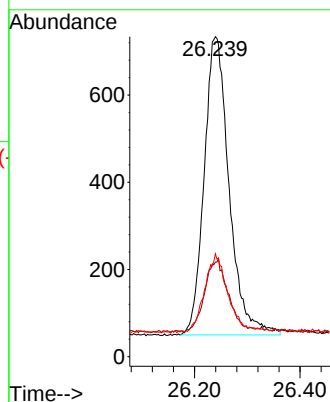
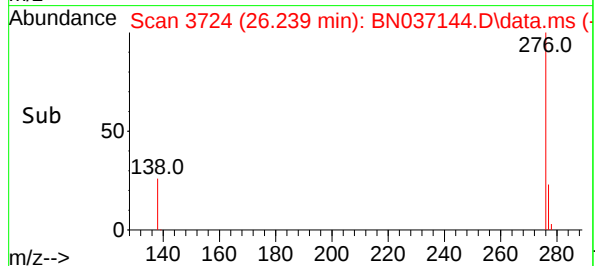
Tgt Ion:276 Resp: 2247

Ion Ratio Lower Upper

276 100

277 29.6 20.9 31.3

138 32.2 20.8 31.2#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037145.D
 Acq On : 03 Jun 2025 12:51
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Jun 04 01:42:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

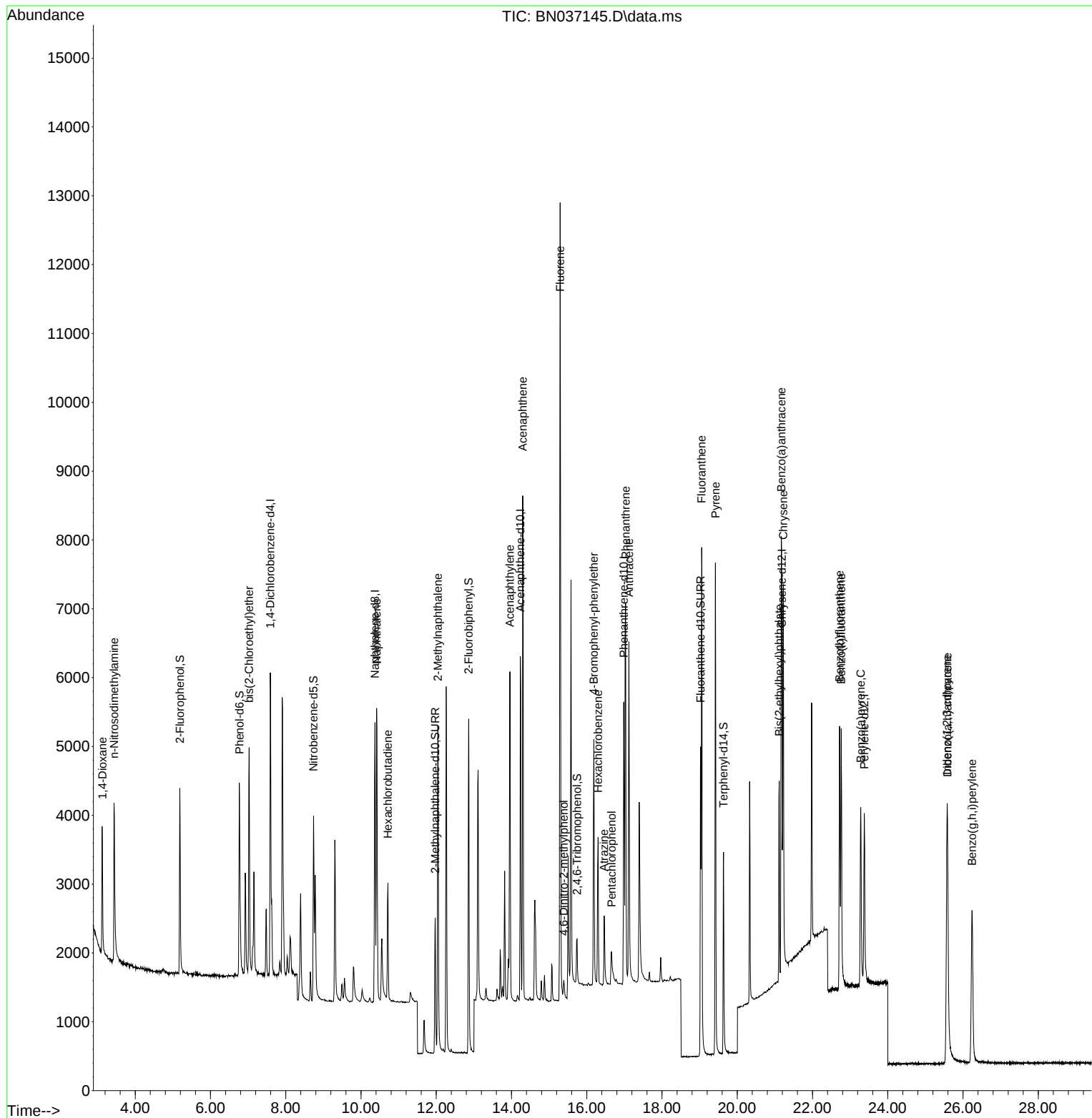
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	2099	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5221	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2886	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5446	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3769	0.400	ng	0.00
35) Perylene-d12	23.377	264	3386	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1973	0.380	ng	0.00
5) Phenol-d6	6.773	99	2365	0.376	ng	0.00
8) Nitrobenzene-d5	8.739	82	2197	0.399	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	2936	0.404	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	421	0.362	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	4694	0.381	ng	0.00
27) Fluoranthene-d10	19.026	212	5309	0.384	ng	0.00
31) Terphenyl-d14	19.635	244	3376	0.381	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.126	88	1070	0.382	ng	100
3) n-Nitrosodimethylamine	3.437	42	2228	0.397	ng	100
6) bis(2-Chloroethyl)ether	7.026	93	2367	0.394	ng	100
9) Naphthalene	10.415	128	5840	0.388	ng	100
10) Hexachlorobutadiene	10.714	225	1363	0.415	ng	# 100
12) 2-Methylnaphthalene	12.042	142	3609	0.374	ng	100
16) Acenaphthylene	13.957	152	5103	0.361	ng	100
17) Acenaphthene	14.299	154	3344	0.364	ng	100
18) Fluorene	15.293	166	4380	0.363	ng	100
20) 4,6-Dinitro-2-methylph...	15.389	198	272	0.445	ng	100
21) 4-Bromophenyl-phenylether	16.190	248	1329	0.372	ng	100
22) Hexachlorobenzene	16.301	284	1463	0.380	ng	100
23) Atrazine	16.463	200	1018	0.345	ng	100
24) Pentachlorophenol	16.661	266	502	0.433	ng	100
25) Phenanthrene	17.034	178	6496	0.368	ng	100
26) Anthracene	17.120	178	5644	0.351	ng	100
28) Fluoranthene	19.054	202	6952	0.357	ng	100
30) Pyrene	19.421	202	6885	0.374	ng	100
32) Benzo(a)anthracene	21.171	228	4866	0.357	ng	100
33) Chrysene	21.225	228	5553	0.366	ng	100
34) Bis(2-ethylhexyl)phtha...	21.117	149	2918	0.339	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	5083	0.377	ng	100
37) Benzo(b)fluoranthene	22.722	252	4811	0.352	ng	100
38) Benzo(k)fluoranthene	22.763	252	4946	0.354	ng	100
39) Benzo(a)pyrene	23.281	252	4127	0.360	ng	100
40) Dibenzo(a,h)anthracene	25.588	278	3928	0.378	ng	100
41) Benzo(g,h,i)perylene	26.240	276	4576	0.383	ng	100

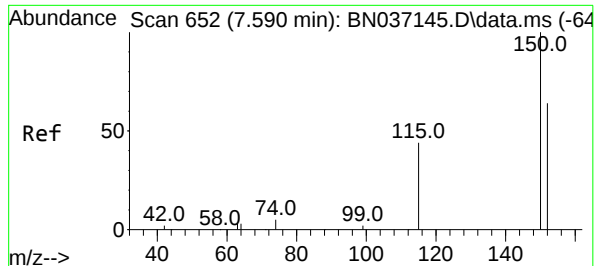
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037145.D
Acq On : 03 Jun 2025 12:51
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jun 04 01:42:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration

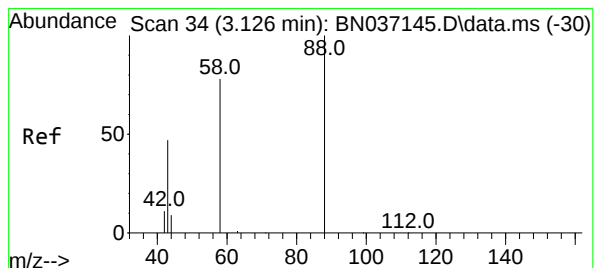
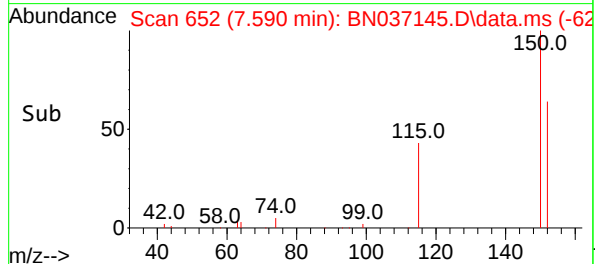
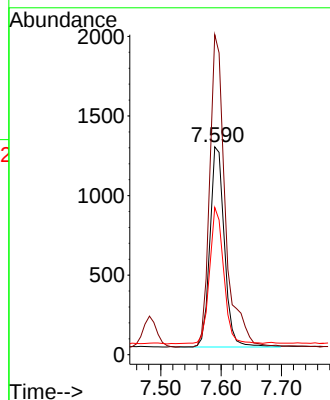
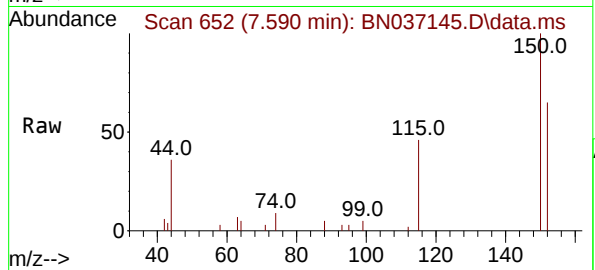




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

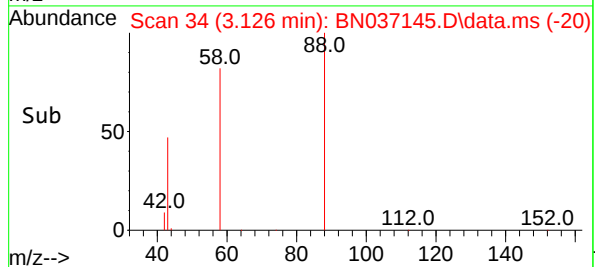
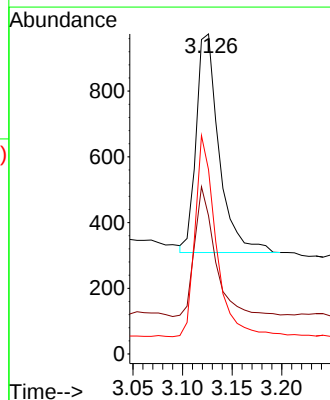
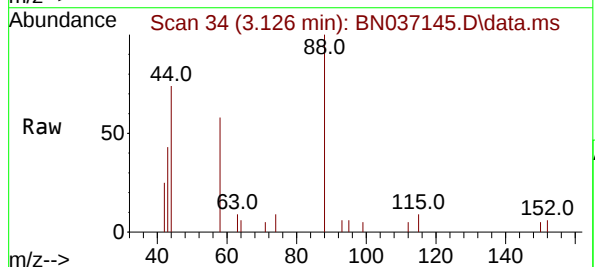
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

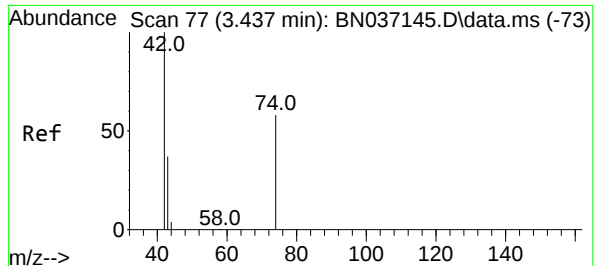
Tgt Ion:152 Resp: 2099
Ion Ratio Lower Upper
152 100
150 154.0 123.2 184.8
115 70.8 56.6 85.0



#2
1,4-Dioxane
Concen: 0.382 ng
RT: 3.126 min Scan# 34
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion: 88 Resp: 1070
Ion Ratio Lower Upper
88 100
43 54.3 43.5 65.3
58 84.5 67.7 101.5

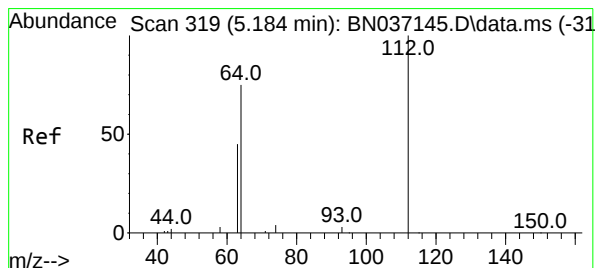
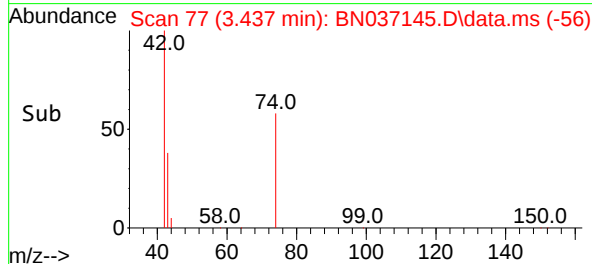
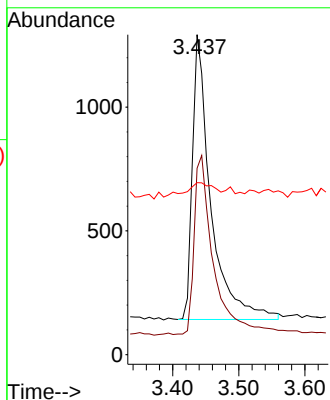
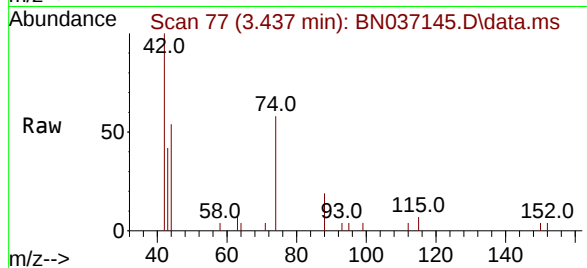




#3
n-Nitrosodimethylamine
Concen: 0.397 ng
RT: 3.437 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

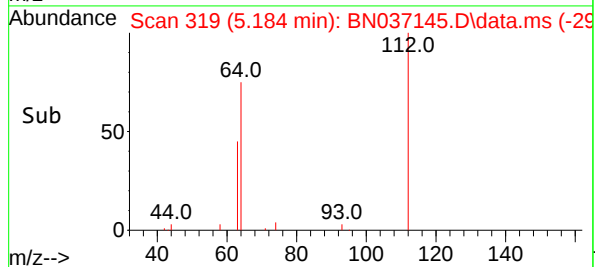
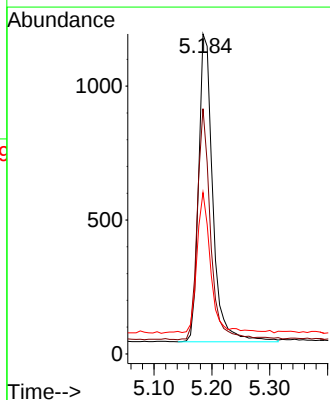
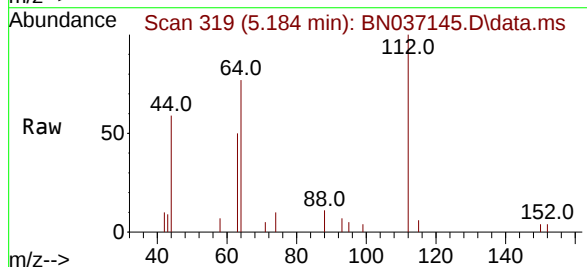
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

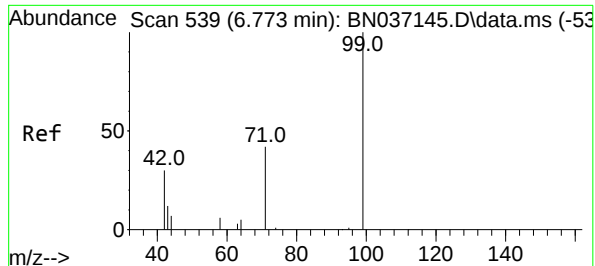
Tgt Ion: 42 Resp: 2228
Ion Ratio Lower Upper
42 100
74 66.2 53.0 79.4
44 7.4 5.9 8.9



#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.184 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion: 112 Resp: 1973
Ion Ratio Lower Upper
112 100
64 70.4 56.3 84.5
63 45.3 36.2 54.4

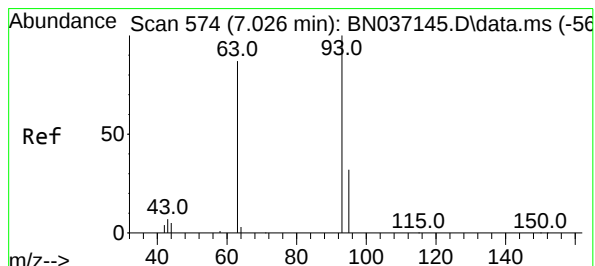
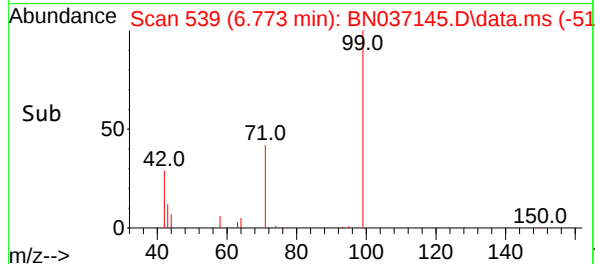
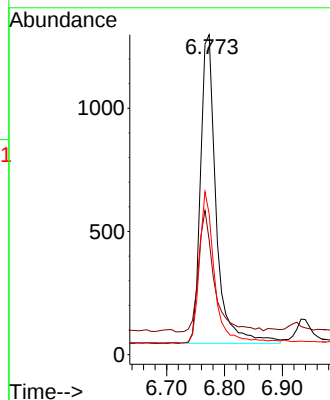
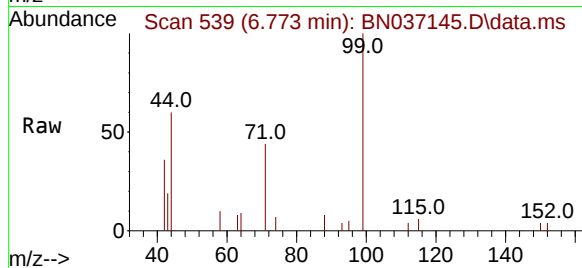




#5
Phenol-d6
Concen: 0.376 ng
RT: 6.773 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

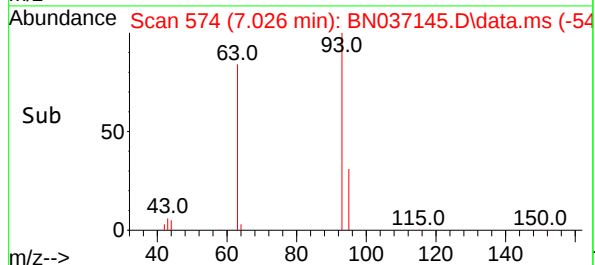
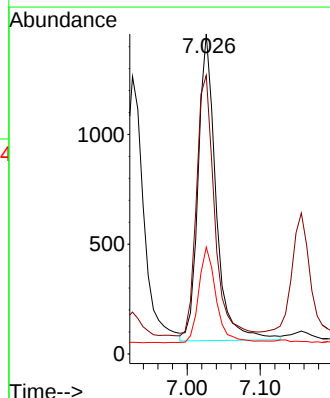
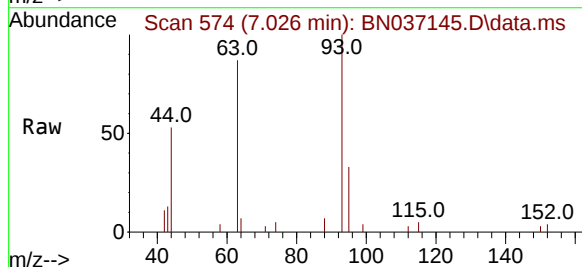
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

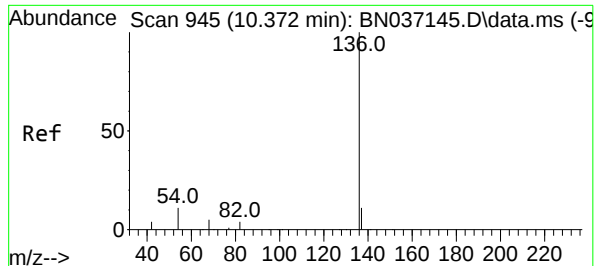
Tgt Ion:	99	Resp:	2365
Ion	Ratio	Lower	Upper
99	100		
42	39.1	31.3	46.9
71	47.7	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.026 min Scan# 574
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion:	93	Resp:	2367
Ion	Ratio	Lower	Upper
93	100		
63	85.5	68.6	103.0
95	30.3	24.3	36.5

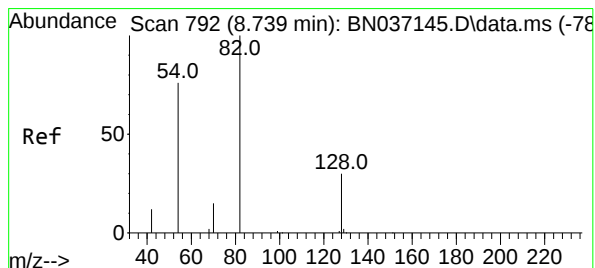
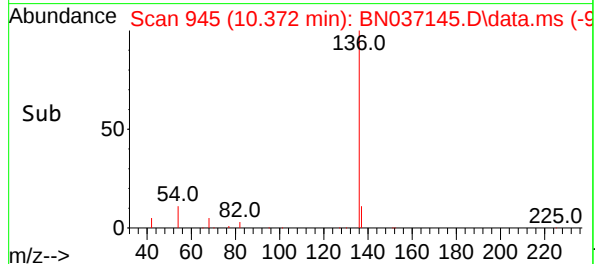
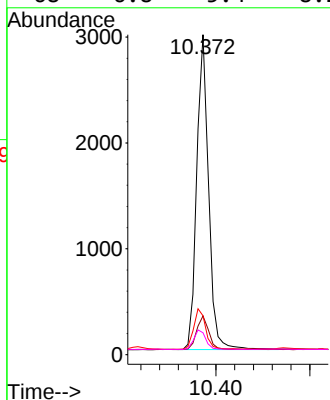
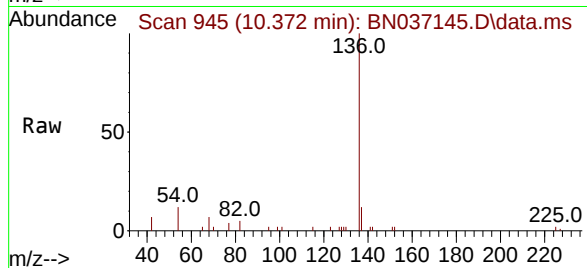




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

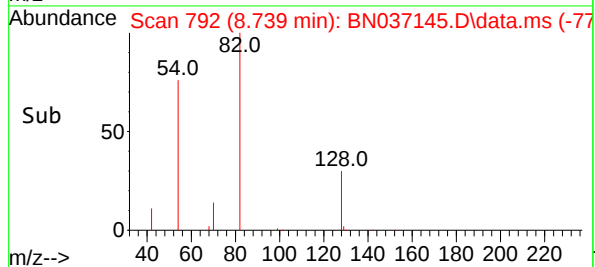
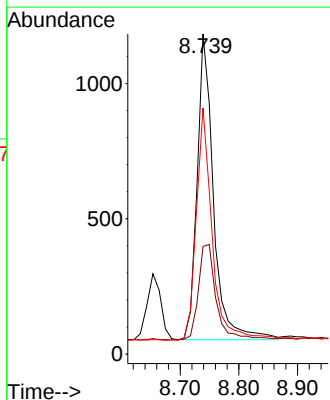
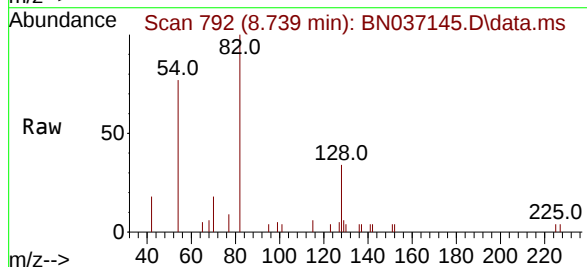
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

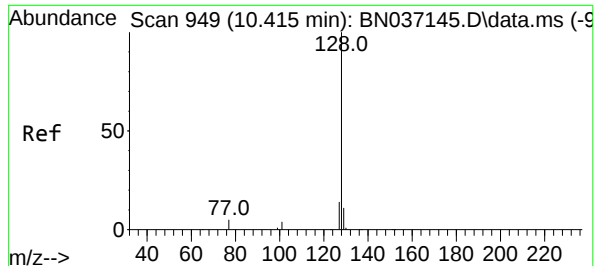
Tgt Ion:	136	Resp:	5221
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	12.1	9.7	14.5
68	6.8	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion:	82	Resp:	2197
Ion	Ratio	Lower	Upper
82	100		
128	33.6	26.9	40.3
54	76.8	61.4	92.2





#9

Naphthalene

Concen: 0.388 ng

RT: 10.415 min Scan# 949

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

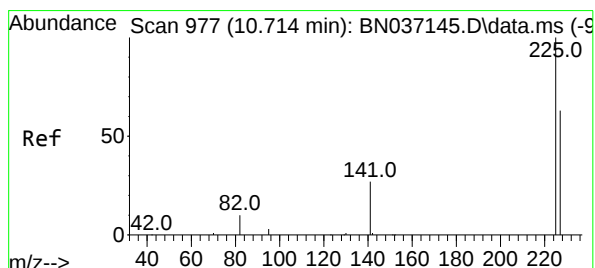
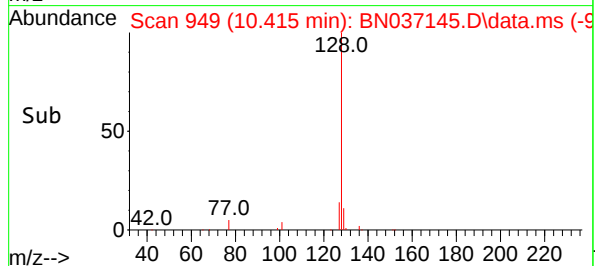
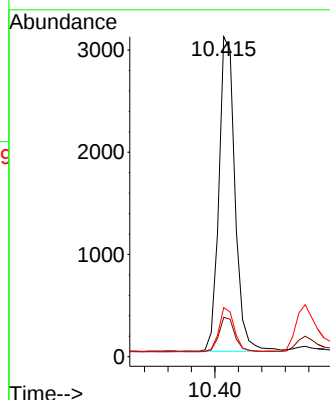
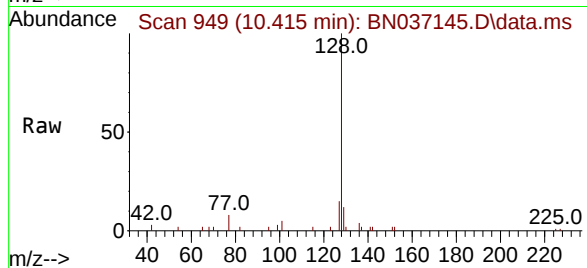
Tgt Ion:128 Resp: 5840

Ion Ratio Lower Upper

128 100

129 12.3 9.8 14.8

127 15.4 12.3 18.5



#10

Hexachlorobutadiene

Concen: 0.415 ng

RT: 10.714 min Scan# 977

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

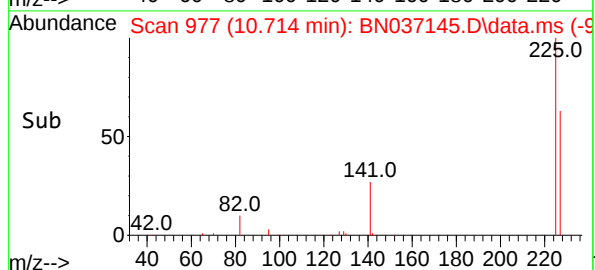
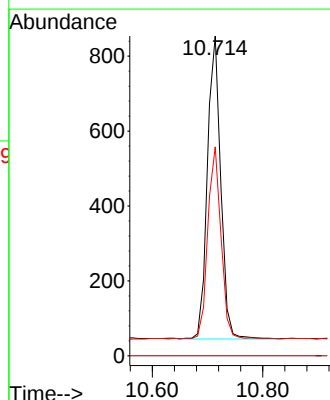
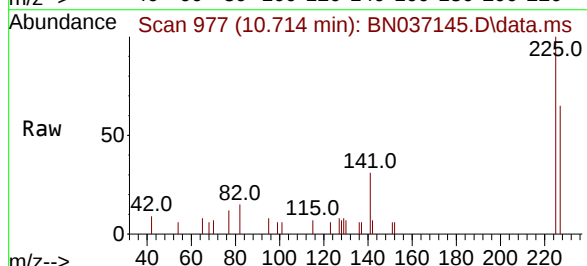
Tgt Ion:225 Resp: 1363

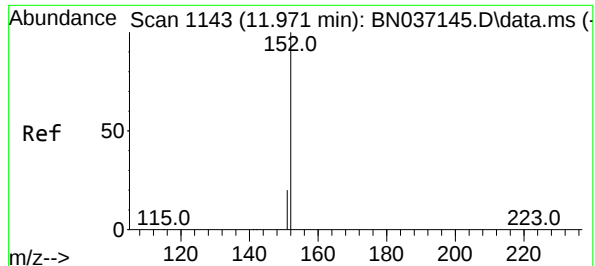
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 62.9 50.3 75.5

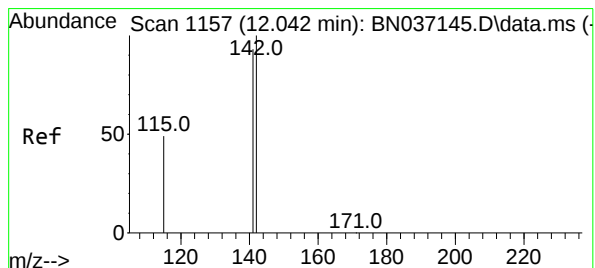
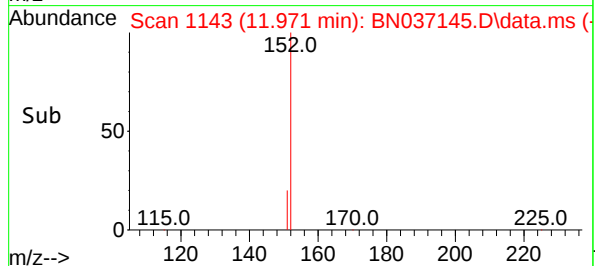
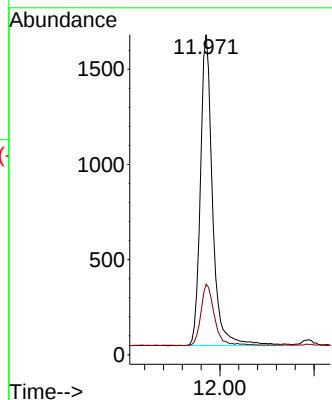
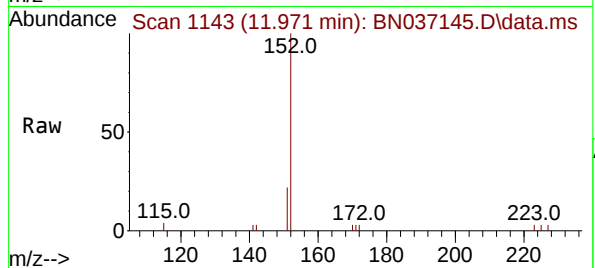




#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 11.971 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

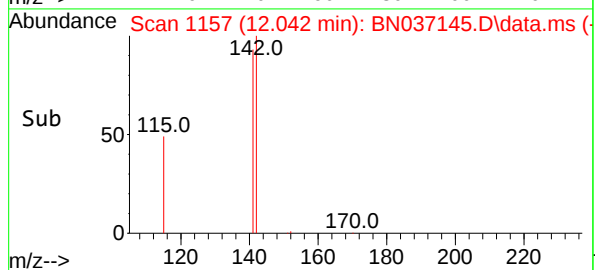
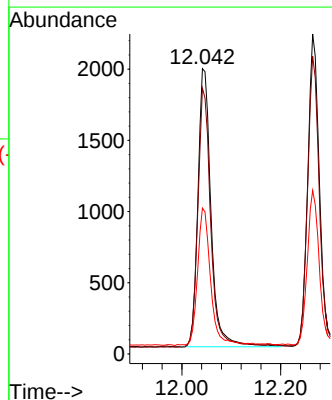
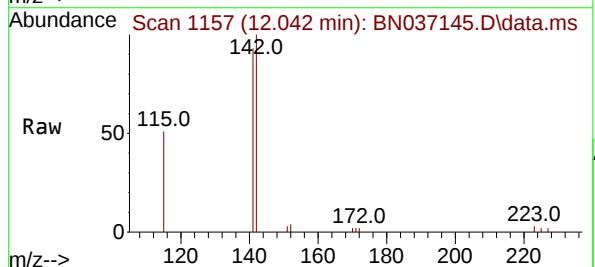
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

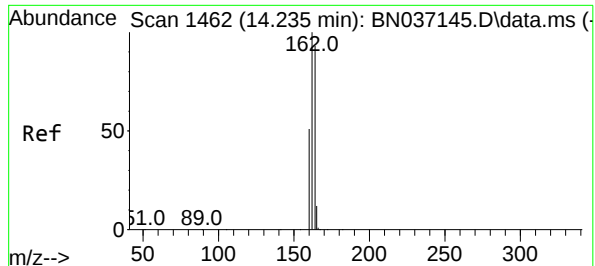
Tgt Ion:152 Resp: 2936
Ion Ratio Lower Upper
152 100
151 21.4 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.374 ng
RT: 12.042 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion:142 Resp: 3609
Ion Ratio Lower Upper
142 100
141 93.2 74.6 111.8
115 51.2 41.0 61.4

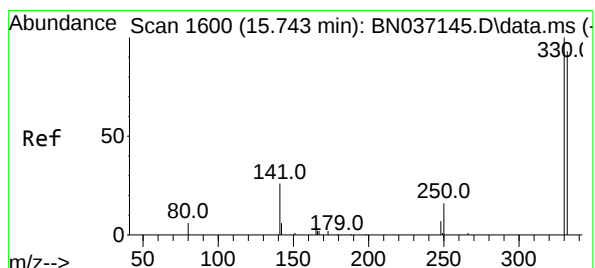
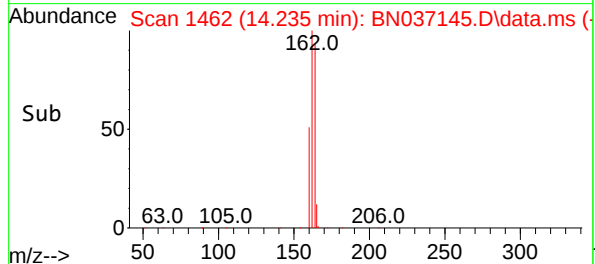
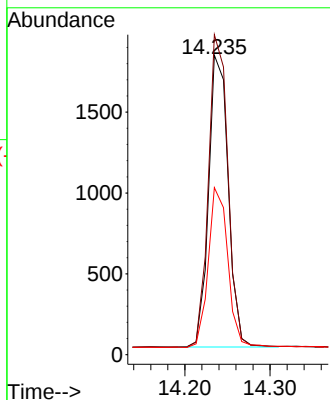
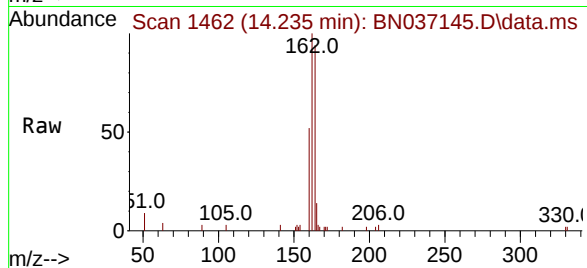




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

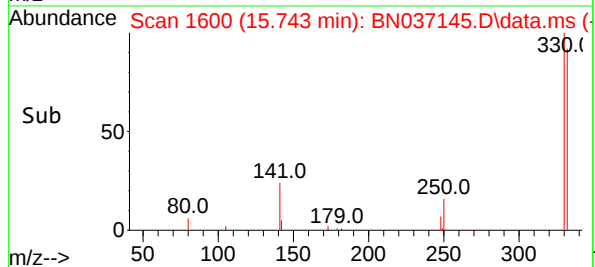
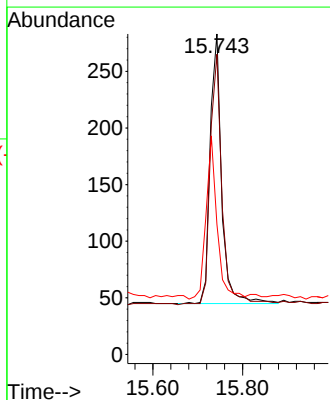
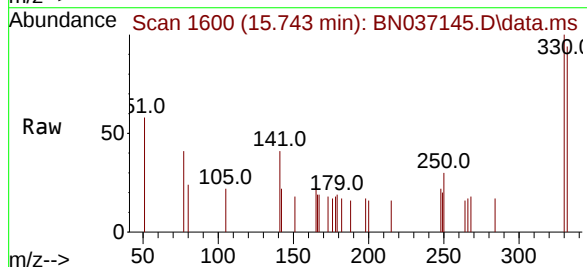
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

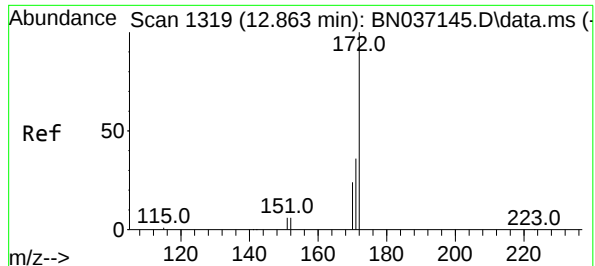
Tgt Ion:164 Resp: 2886
Ion Ratio Lower Upper
164 100
162 106.9 85.5 128.3
160 55.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.362 ng
RT: 15.743 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion:330 Resp: 421
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 58.0 46.4 69.6





#15

2-Fluorobiphenyl

Concen: 0.381 ng

RT: 12.863 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

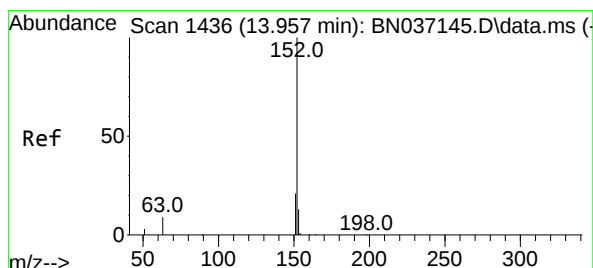
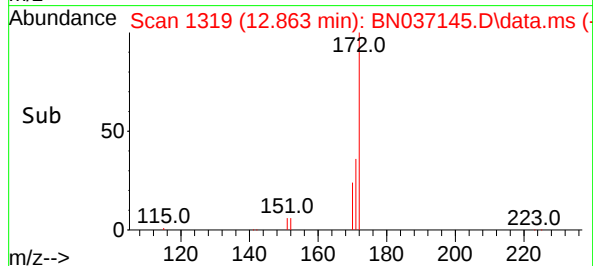
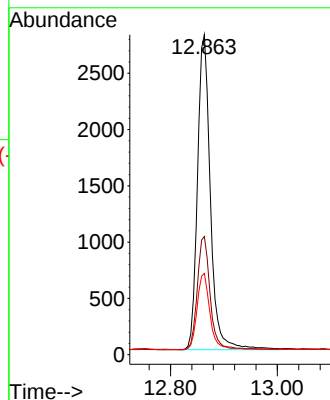
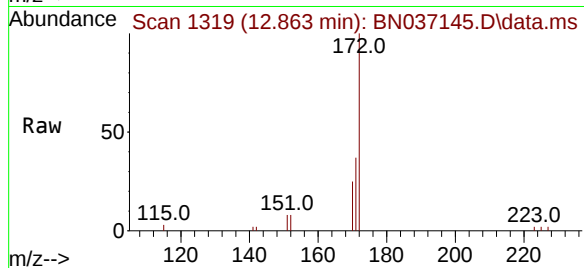
Tgt Ion:172 Resp: 4694

Ion Ratio Lower Upper

172 100

171 37.0 29.6 44.4

170 25.4 20.3 30.5



#16

Acenaphthylene

Concen: 0.361 ng

RT: 13.957 min Scan# 1436

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

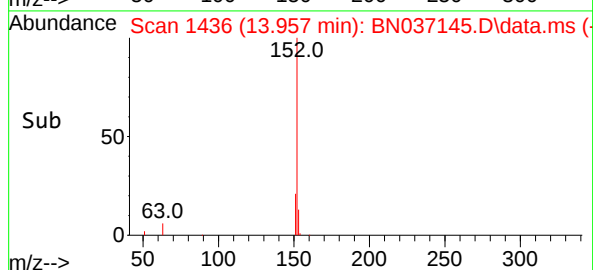
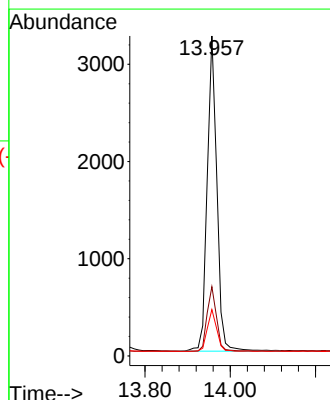
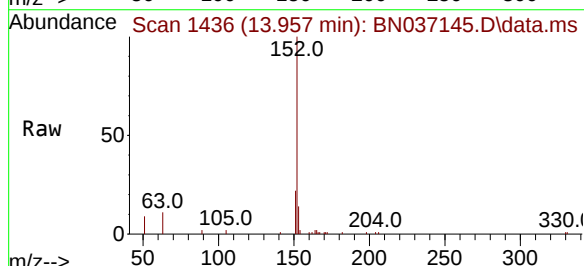
Tgt Ion:152 Resp: 5103

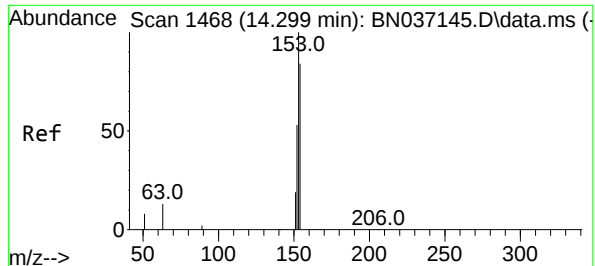
Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

153 13.2 10.6 15.8

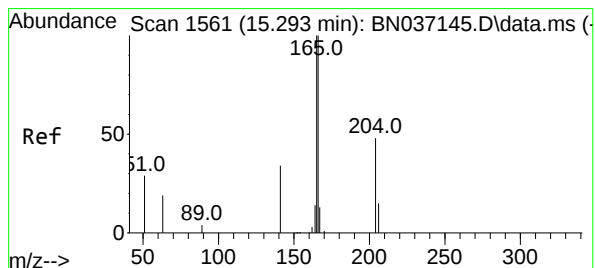
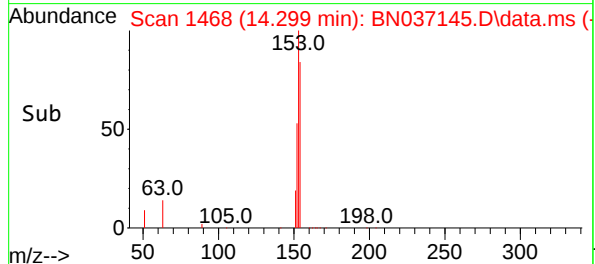
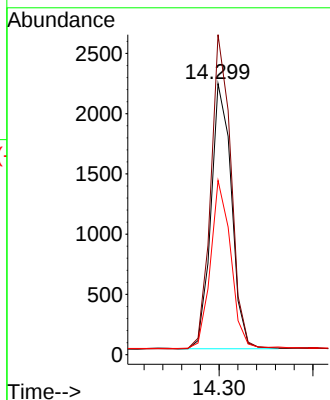
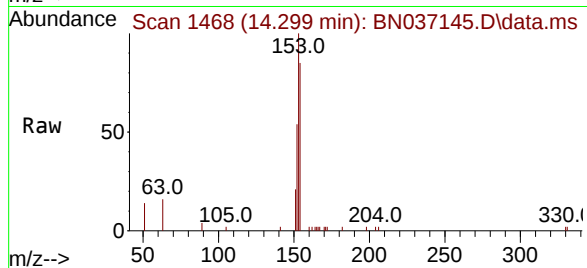




#17
Acenaphthene
Concen: 0.364 ng
RT: 14.299 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

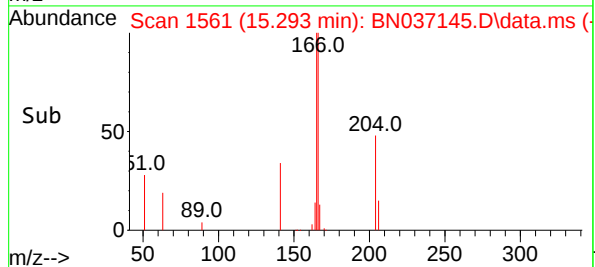
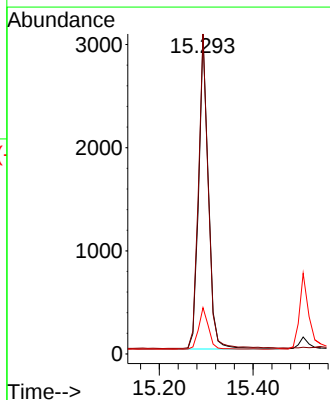
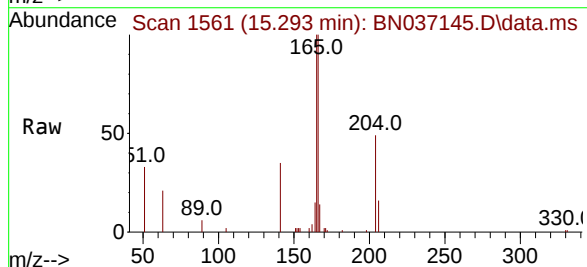
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

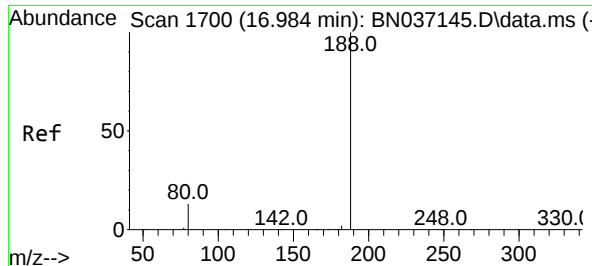
Tgt Ion:154 Resp: 3344
Ion Ratio Lower Upper
154 100
153 117.3 93.8 140.8
152 63.1 50.5 75.7



#18
Fluorene
Concen: 0.363 ng
RT: 15.293 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion:166 Resp: 4380
Ion Ratio Lower Upper
166 100
165 101.4 81.1 121.7
167 13.5 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

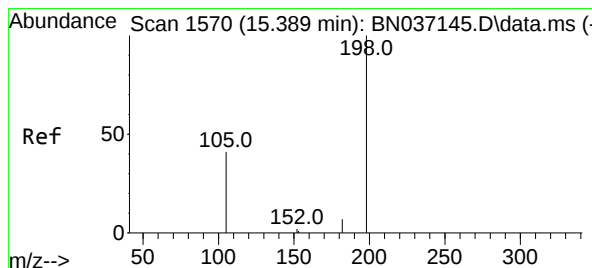
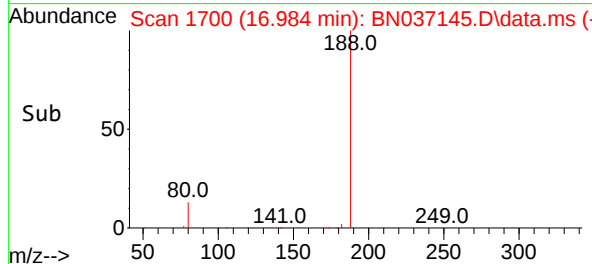
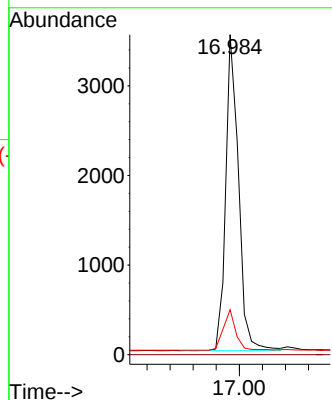
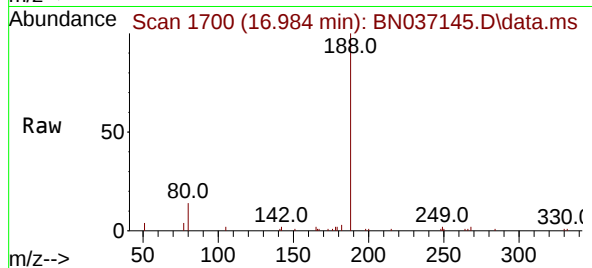
Tgt Ion:188 Resp: 5446

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.445 ng

RT: 15.389 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

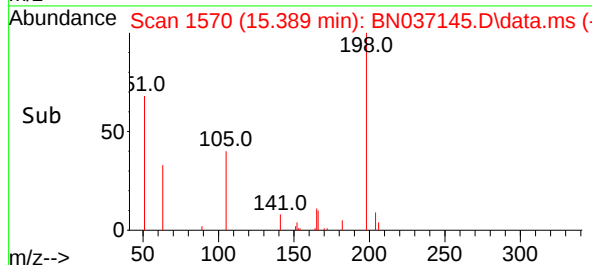
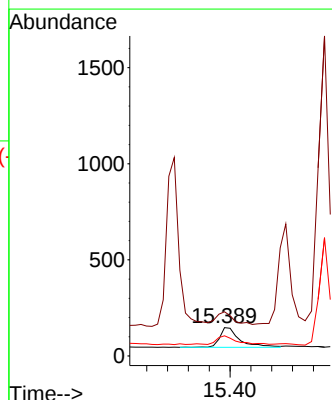
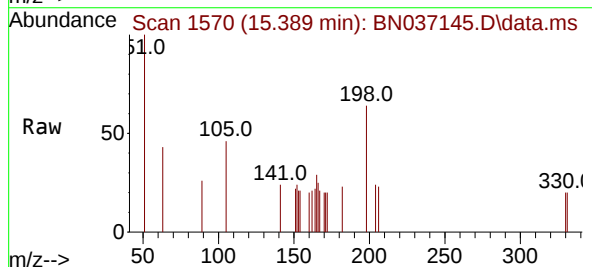
Tgt Ion:198 Resp: 272

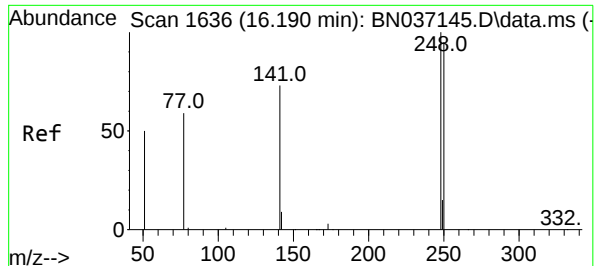
Ion Ratio Lower Upper

198 100

51 156.5 125.2 187.8

105 71.4 57.1 85.7

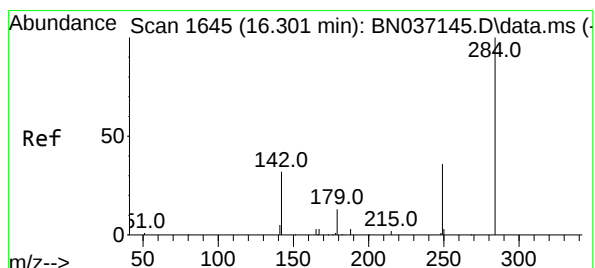
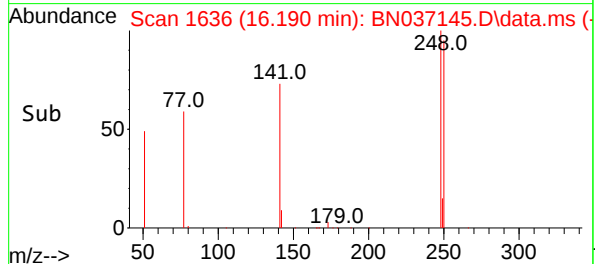
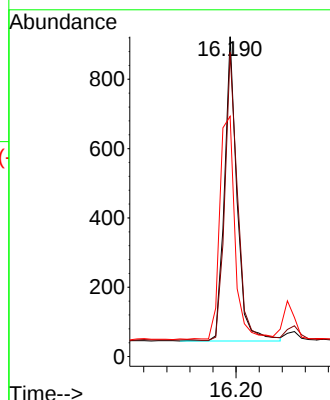
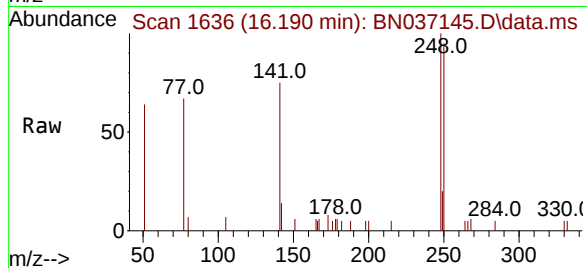




#21
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.190 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

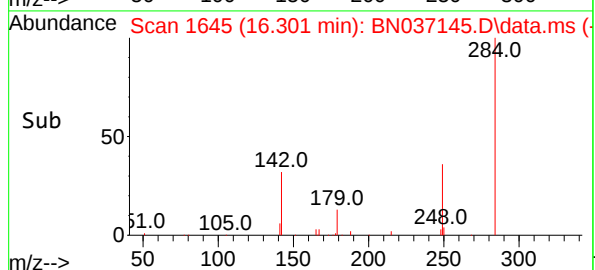
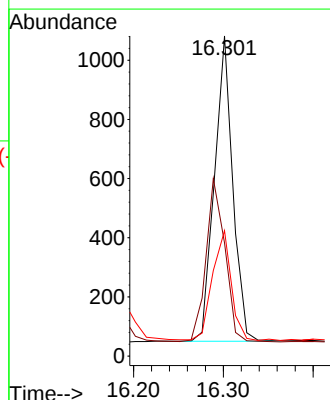
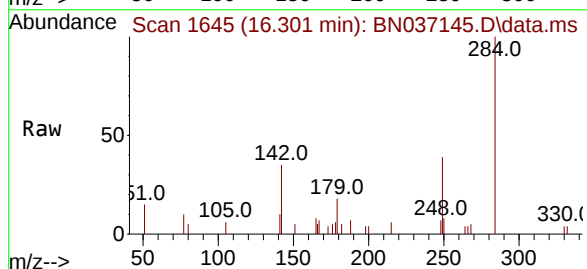
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

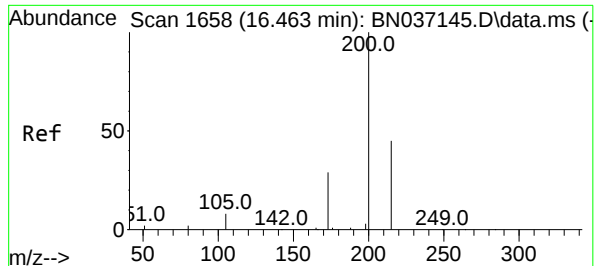
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.1	76.1	114.1
141	75.1	60.1	90.1



#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.301 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion	Ratio	Lower	Upper
284	100		
142	55.0	44.0	66.0
249	37.1	29.7	44.5

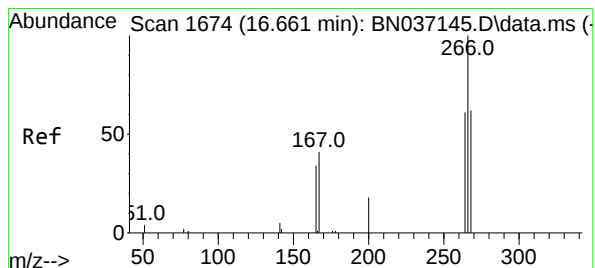
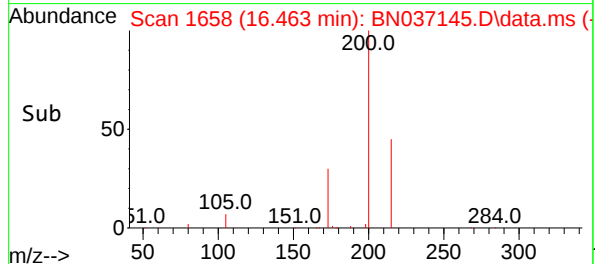
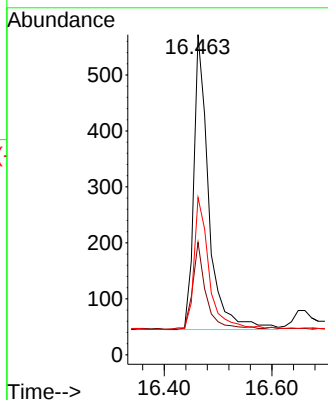
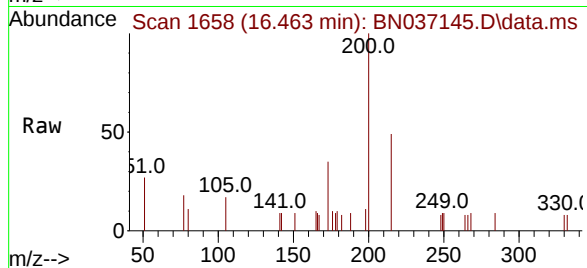




#23
Atrazine
Concen: 0.345 ng
RT: 16.463 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

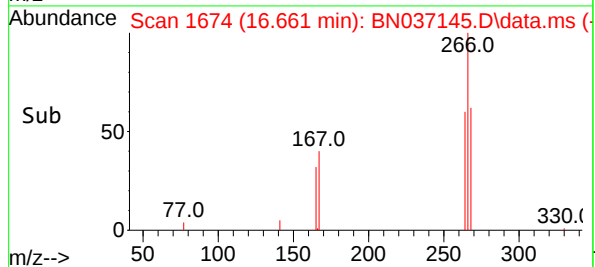
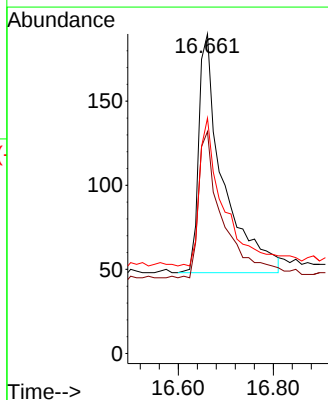
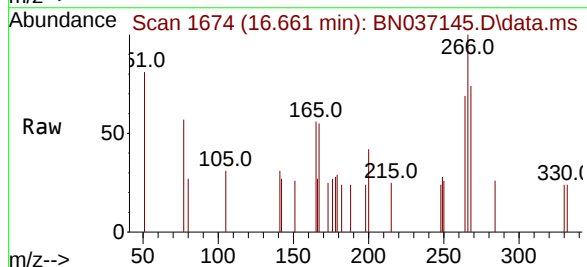
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

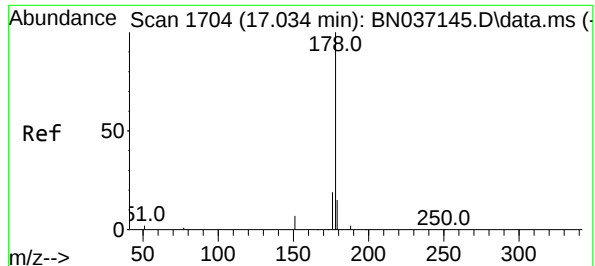
Tgt Ion	Ratio	Lower	Upper
200	100		
173	35.1	28.1	42.1
215	49.1	39.3	58.9



#24
Pentachlorophenol
Concen: 0.433 ng
RT: 16.661 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.8	49.3	73.9
268	61.4	49.0	73.4

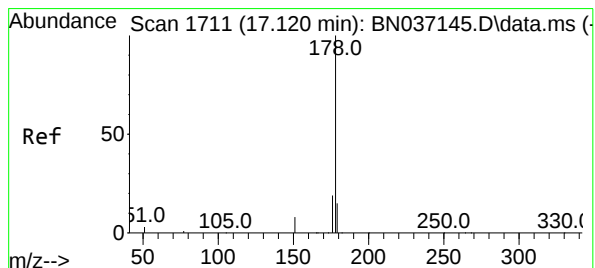
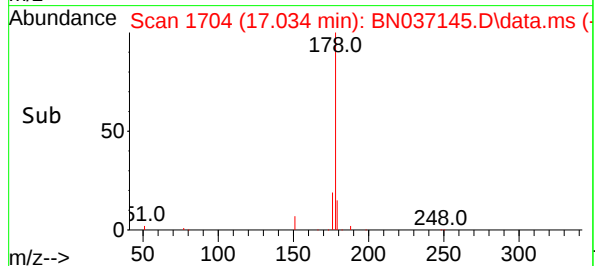
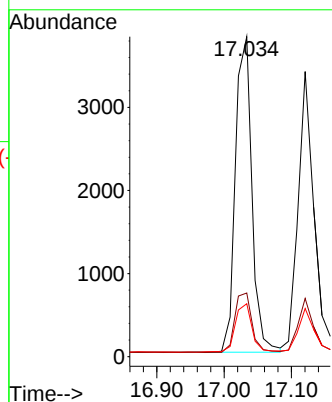
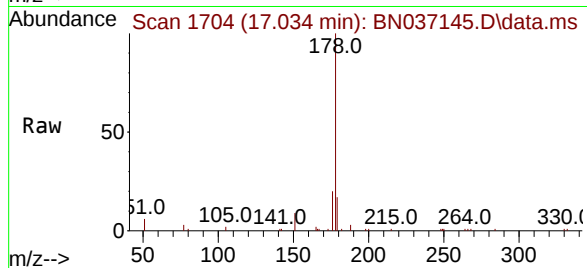




#25
Phenanthrene
Concen: 0.368 ng
RT: 17.034 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

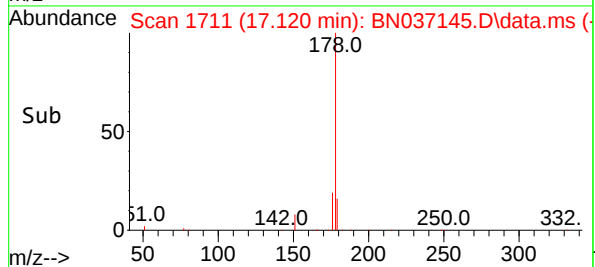
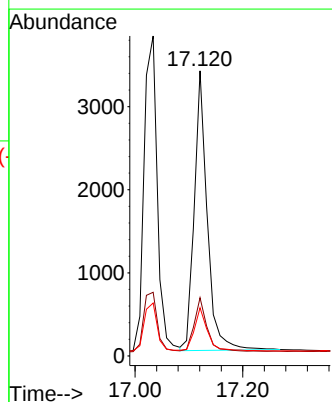
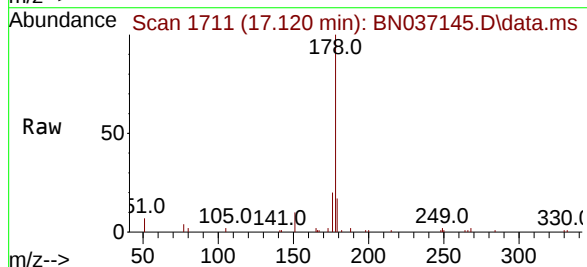
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

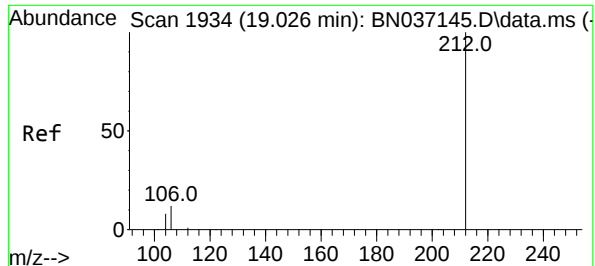
Tgt Ion:178 Resp: 6496
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.351 ng
RT: 17.120 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion:178 Resp: 5644
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 16.1 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.384 ng

RT: 19.026 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

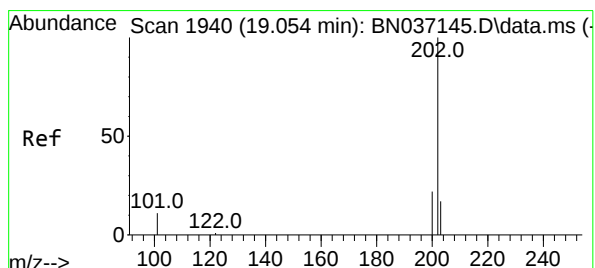
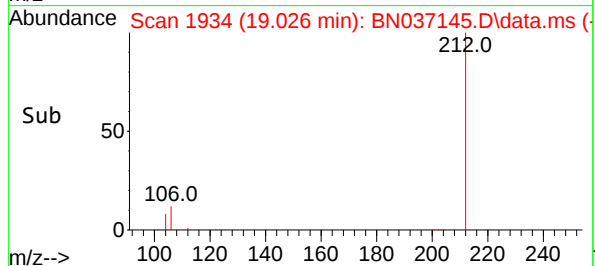
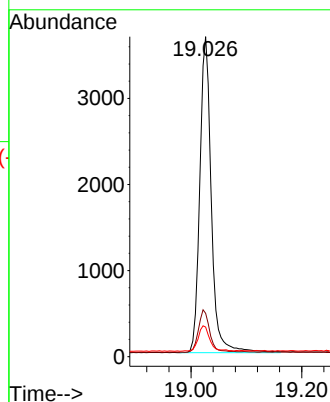
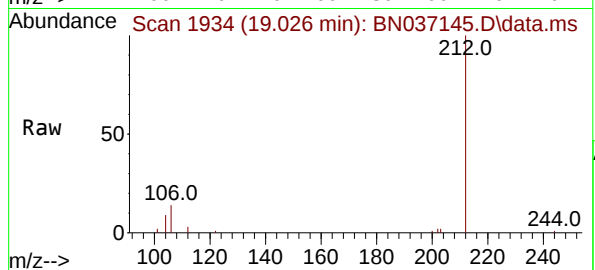
Tgt Ion:212 Resp: 5309

Ion Ratio Lower Upper

212 100

106 13.2 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.357 ng

RT: 19.054 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

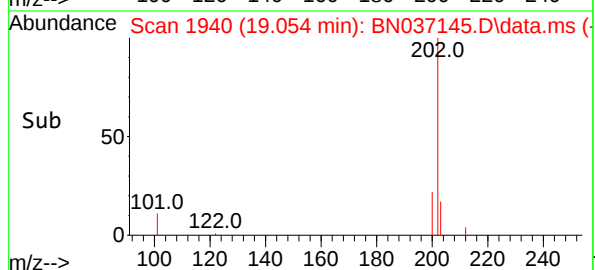
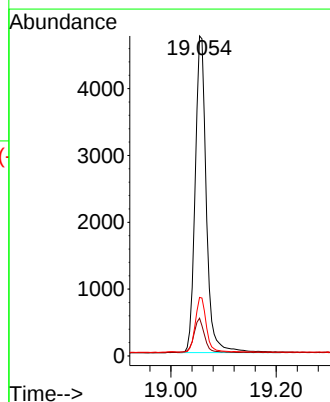
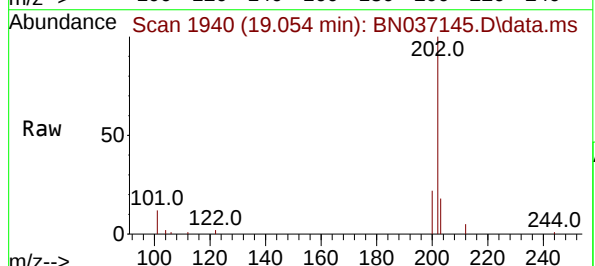
Tgt Ion:202 Resp: 6952

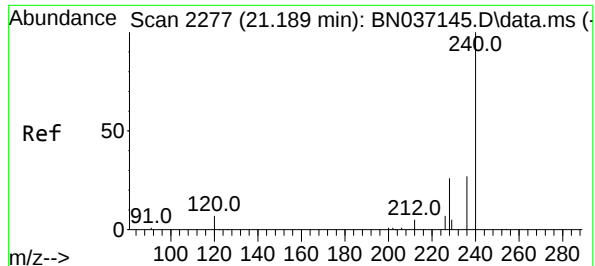
Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

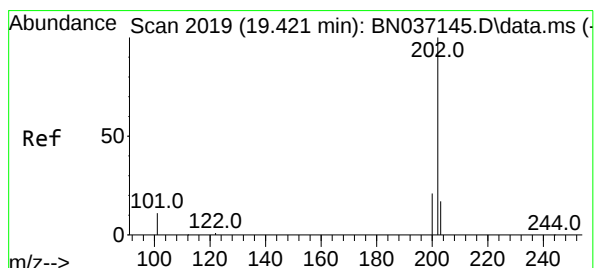
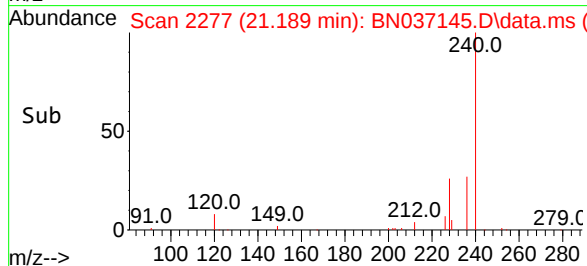
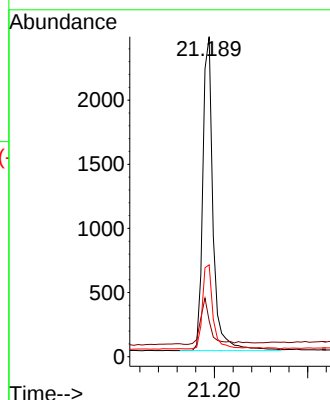
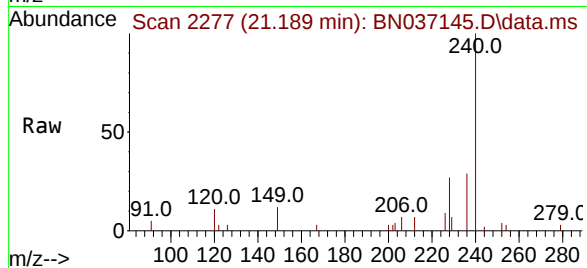
Tgt Ion:240 Resp: 3769

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.4

236 28.7 23.0 34.4



#30

Pyrene

Concen: 0.374 ng

RT: 19.421 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

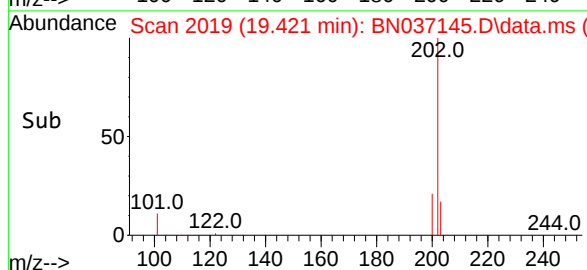
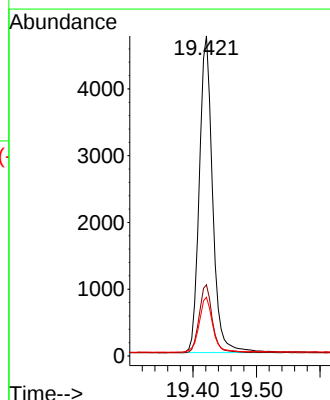
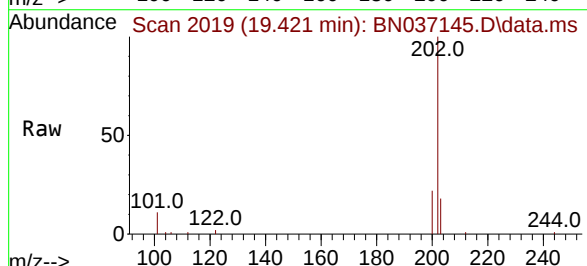
Tgt Ion:202 Resp: 6885

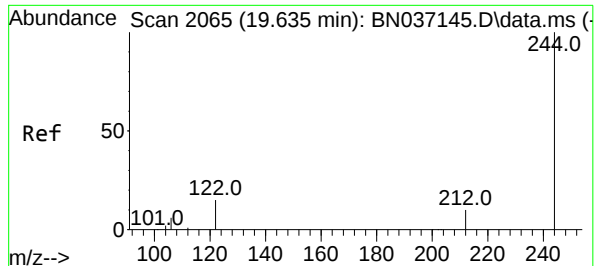
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.8 14.2 21.4

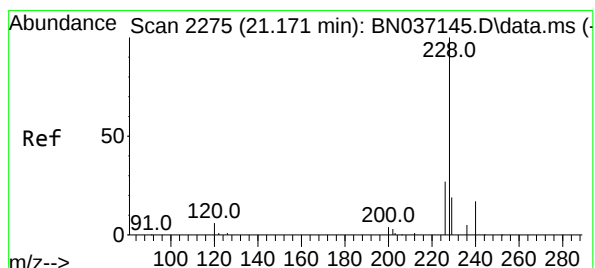
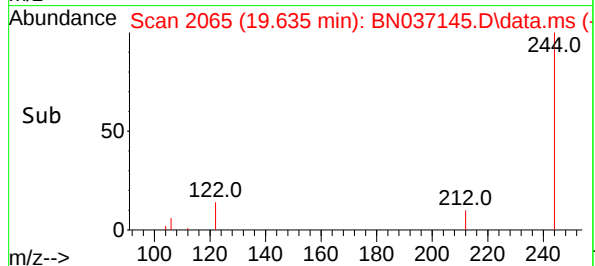
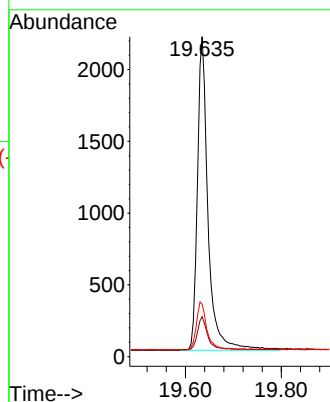
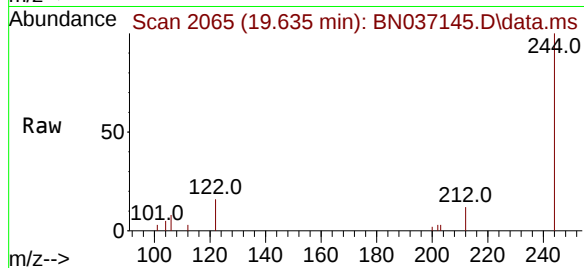




#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.635 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

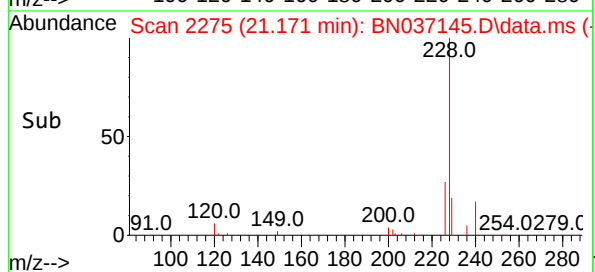
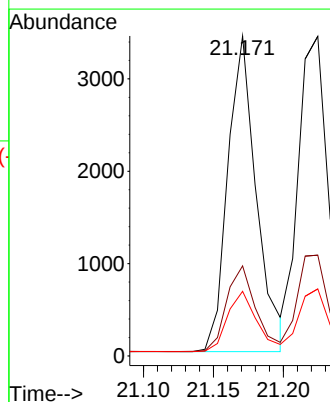
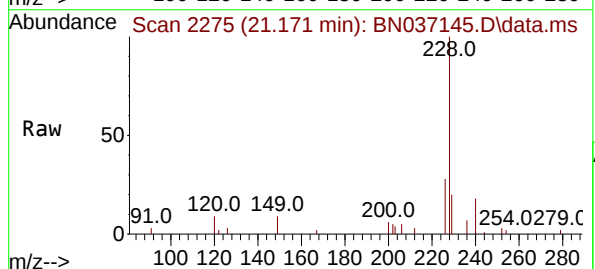
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

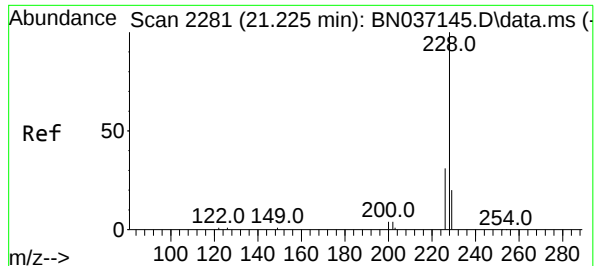
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.5	10.0	15.0
122	16.5	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.171 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.2	16.2	24.2





#33

Chrysene

Concen: 0.366 ng

RT: 21.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

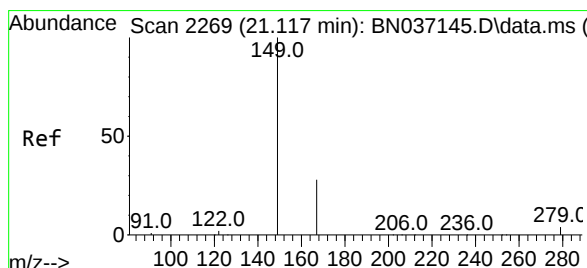
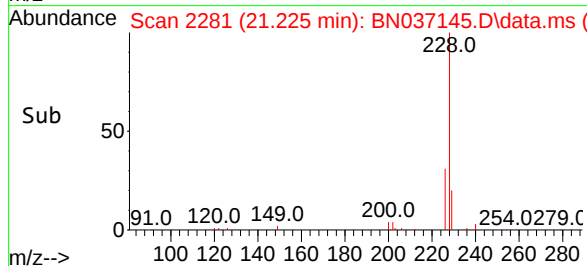
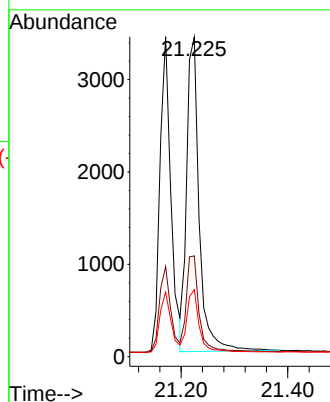
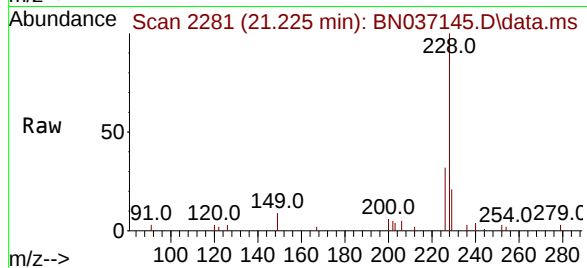
Tgt Ion:228 Resp: 5553

Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

229 21.0 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.339 ng

RT: 21.117 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

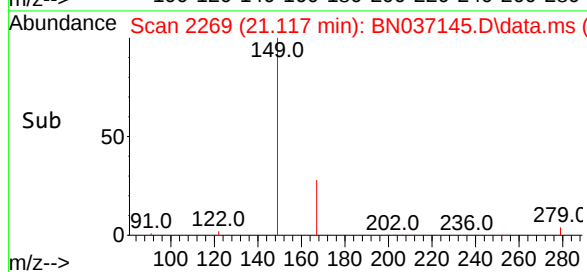
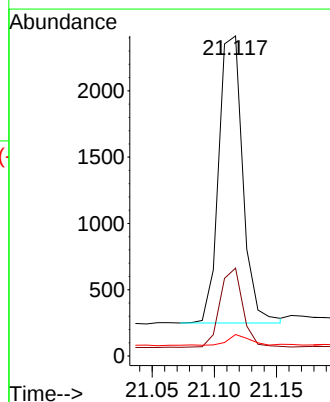
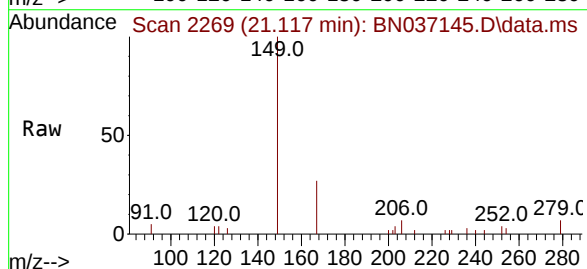
Tgt Ion:149 Resp: 2918

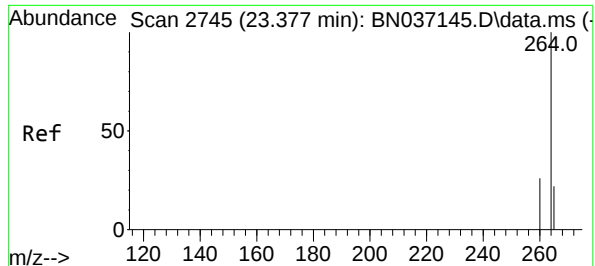
Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

279 3.6 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

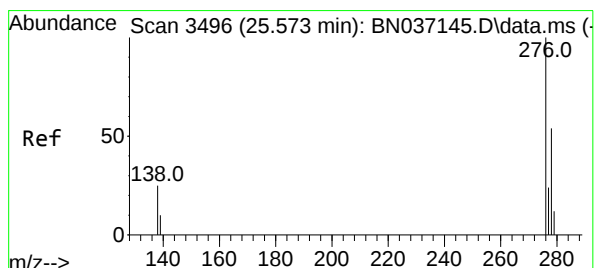
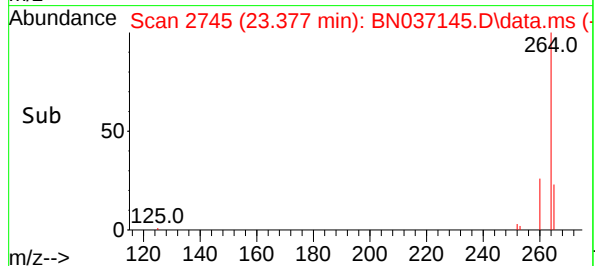
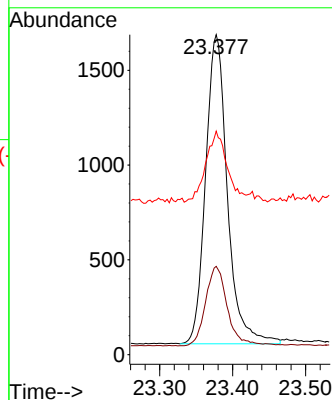
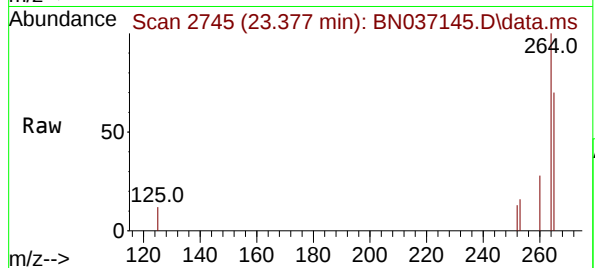
Tgt Ion:264 Resp: 3386

Ion Ratio Lower Upper

264 100

260 27.6 22.1 33.1

265 69.8 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.377 ng

RT: 25.573 min Scan# 3496

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

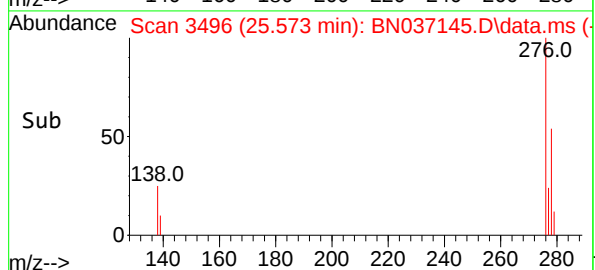
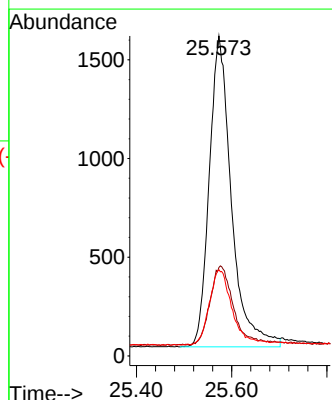
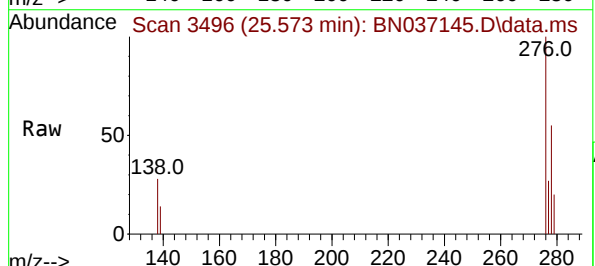
Tgt Ion:276 Resp: 5083

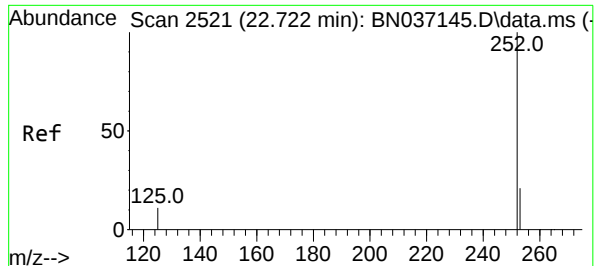
Ion Ratio Lower Upper

276 100

138 26.3 21.0 31.6

277 24.3 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.352 ng

RT: 22.722 min Scan# 2521

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

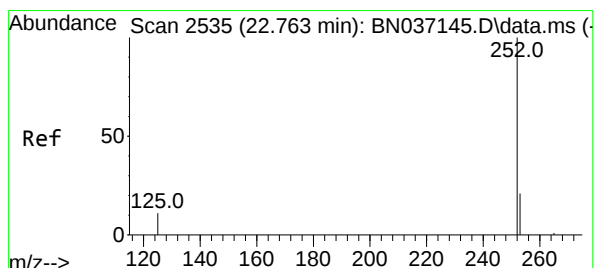
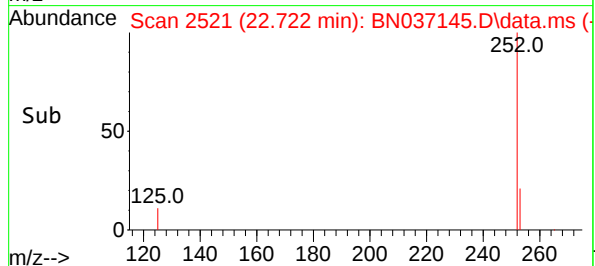
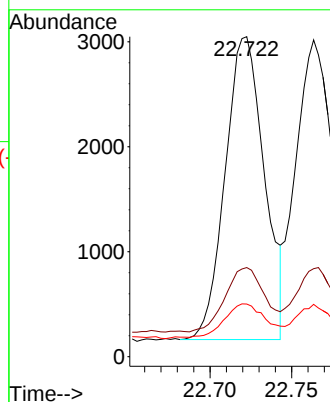
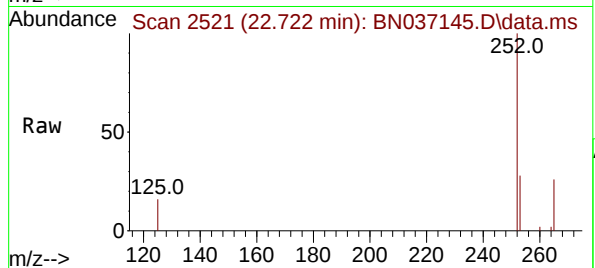
Tgt Ion:252 Resp: 4811

Ion Ratio Lower Upper

252 100

253 27.9 22.3 33.5

125 16.5 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.354 ng

RT: 22.763 min Scan# 2535

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

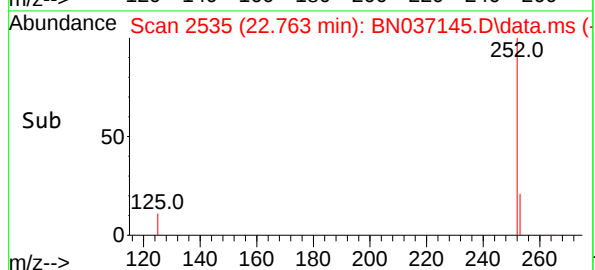
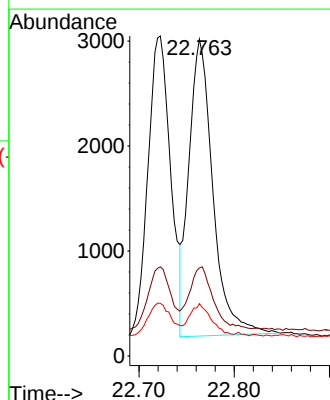
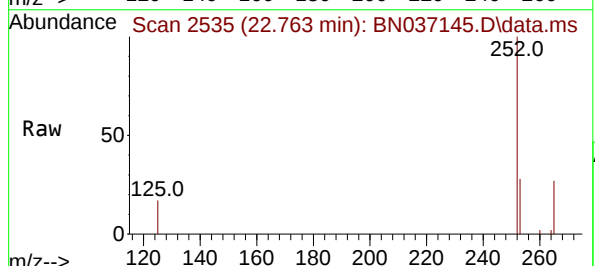
Tgt Ion:252 Resp: 4946

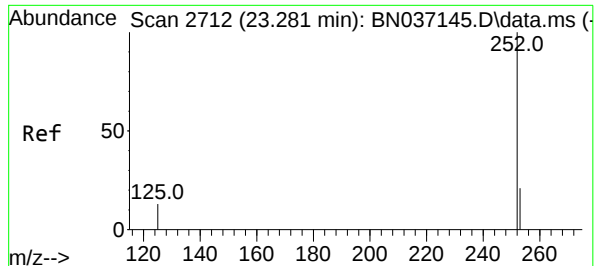
Ion Ratio Lower Upper

252 100

253 27.8 22.2 33.4

125 16.5 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.360 ng

RT: 23.281 min Scan# 2712

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

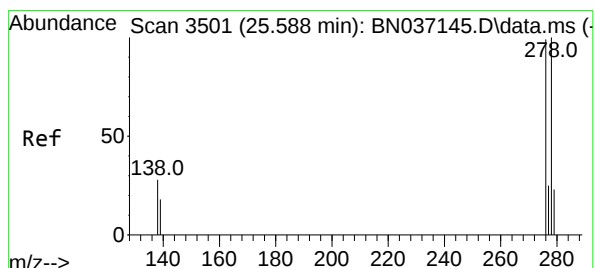
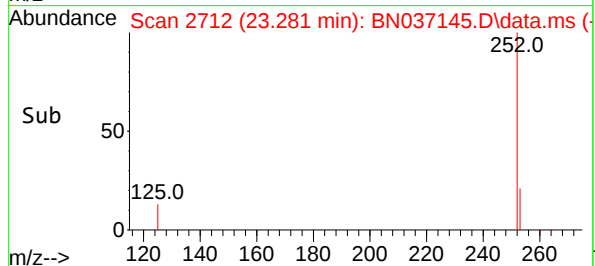
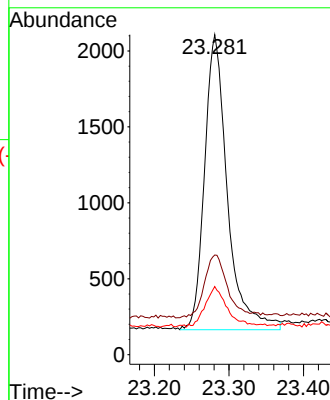
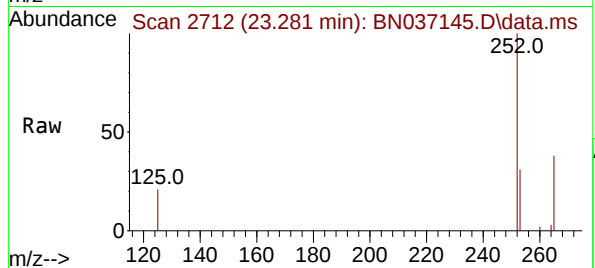
Tgt Ion:252 Resp: 4127

Ion Ratio Lower Upper

252 100

253 31.2 25.0 37.4

125 21.3 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 25.588 min Scan# 3501

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

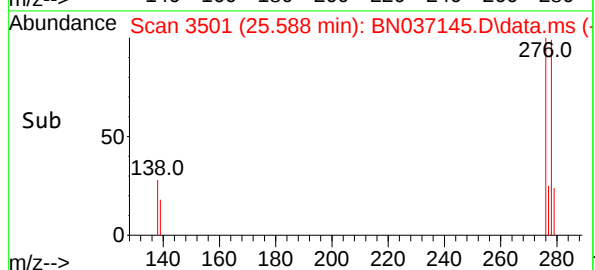
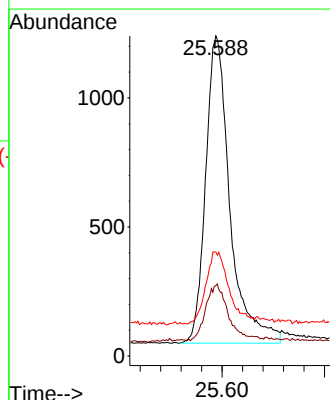
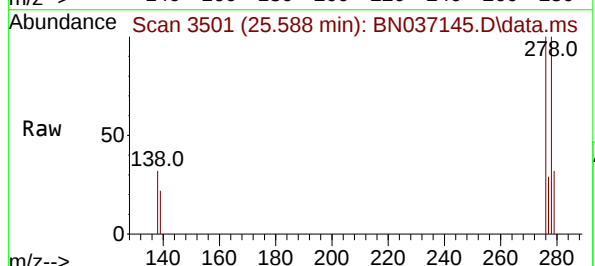
Tgt Ion:278 Resp: 3928

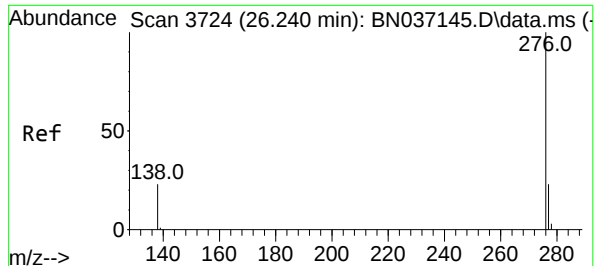
Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

279 32.5 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.383 ng

RT: 26.240 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037145.D

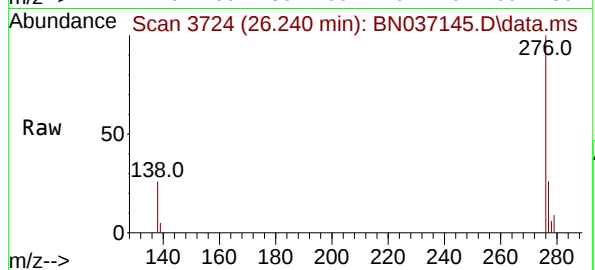
Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



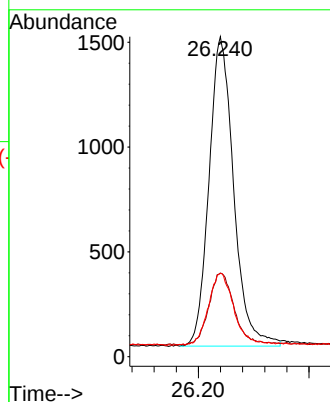
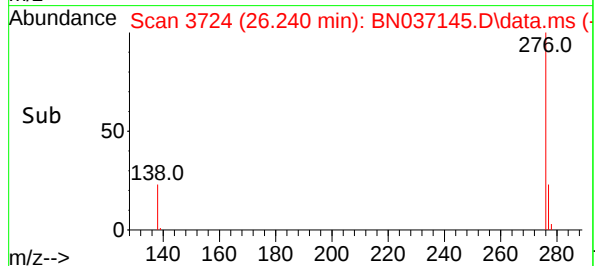
Tgt Ion:276 Resp: 4576

Ion Ratio Lower Upper

276 100

277 26.1 20.9 31.3

138 26.0 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037146.D
 Acq On : 03 Jun 2025 13:26
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Jun 04 01:42:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

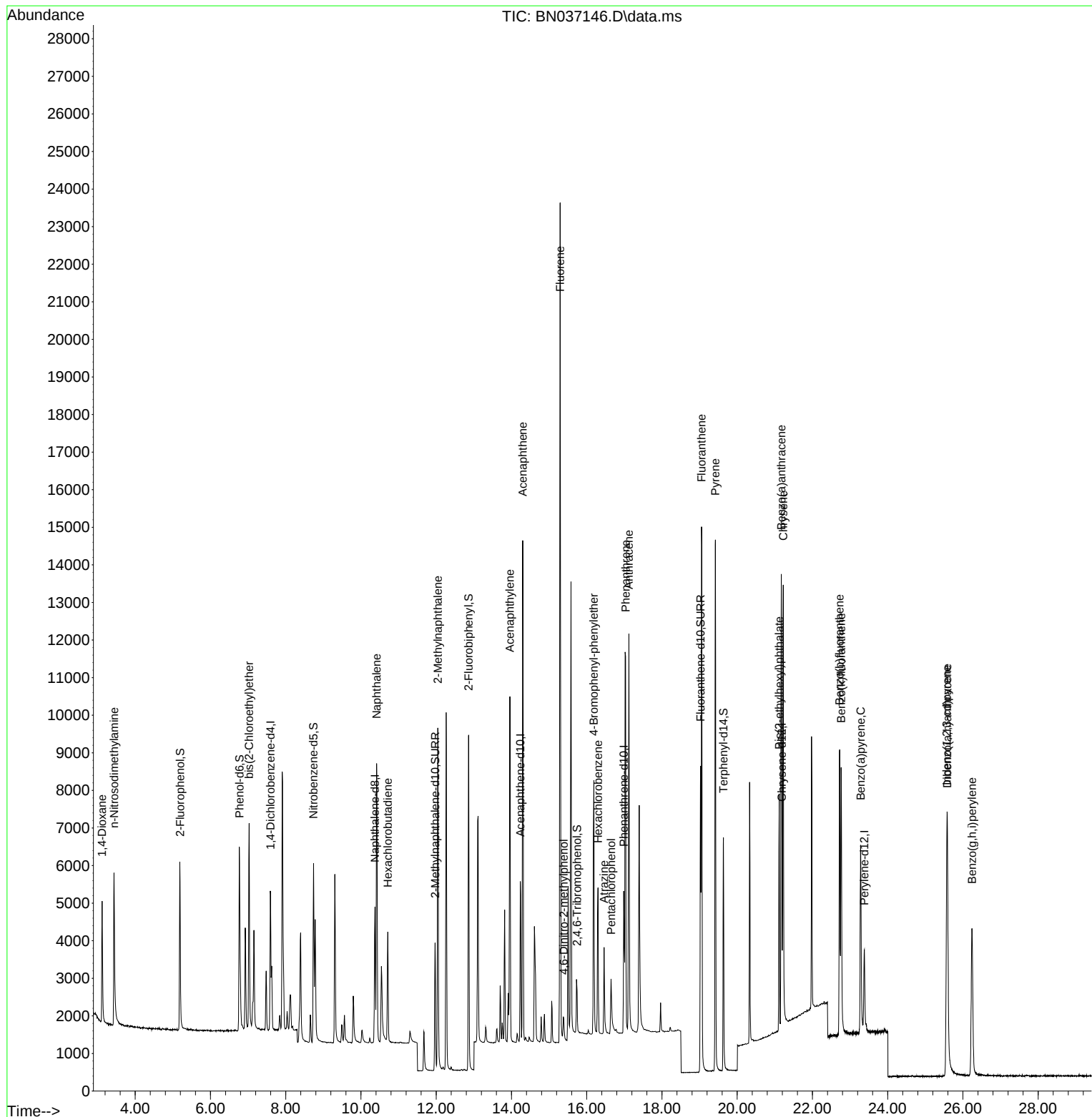
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	1776	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4485	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2508	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4816	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3381	0.400	ng	0.00
35) Perylene-d12	23.380	264	2909	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	3356	0.764	ng	0.00
5) Phenol-d6	6.773	99	4000	0.751	ng	0.00
8) Nitrobenzene-d5	8.739	82	3647	0.771	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	4809	0.770	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	789	0.781	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	8296	0.776	ng	0.00
27) Fluoranthene-d10	19.026	212	9209	0.753	ng	0.00
31) Terphenyl-d14	19.635	244	6364	0.800	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1799	0.760	ng	97
3) n-Nitrosodimethylamine	3.437	42	3791	0.798	ng	# 97
6) bis(2-Chloroethyl)ether	7.026	93	3867	0.761	ng	98
9) Naphthalene	10.415	128	9964	0.770	ng	99
10) Hexachlorobutadiene	10.714	225	2212	0.785	ng	# 99
12) 2-Methylnaphthalene	12.041	142	6445	0.777	ng	99
16) Acenaphthylene	13.957	152	9385	0.763	ng	99
17) Acenaphthene	14.299	154	6080	0.762	ng	100
18) Fluorene	15.293	166	8080	0.770	ng	99
20) 4,6-Dinitro-2-methylph...	15.389	198	643	0.730	ng	# 56
21) 4-Bromophenyl-phenylether	16.189	248	2446	0.775	ng	97
22) Hexachlorobenzene	16.301	284	2690	0.790	ng	98
23) Atrazine	16.462	200	2011	0.772	ng	92
24) Pentachlorophenol	16.649	266	1033	0.722	ng	96
25) Phenanthrene	17.033	178	12021	0.770	ng	100
26) Anthracene	17.120	178	11005	0.773	ng	99
28) Fluoranthene	19.054	202	13144	0.763	ng	100
30) Pyrene	19.421	202	13035	0.790	ng	99
32) Benzo(a)anthracene	21.171	228	9494	0.776	ng	100
33) Chrysene	21.224	228	10700	0.785	ng	98
34) Bis(2-ethylhexyl)phtha...	21.117	149	5801	0.751	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	8881	0.767	ng	99
37) Benzo(b)fluoranthene	22.722	252	9165	0.780	ng	95
38) Benzo(k)fluoranthene	22.763	252	9379	0.782	ng	93
39) Benzo(a)pyrene	23.281	252	7528	0.765	ng	# 91
40) Dibenzo(a,h)anthracene	25.588	278	6960	0.780	ng	93
41) Benzo(g,h,i)perylene	26.240	276	7980	0.778	ng	99

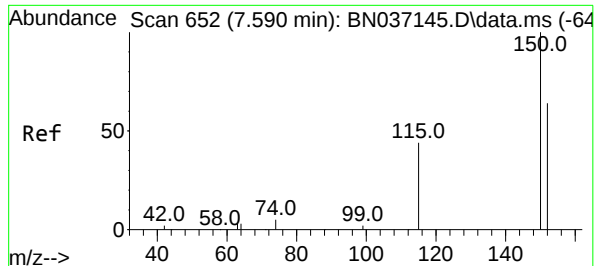
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037146.D
Acq On : 03 Jun 2025 13:26
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

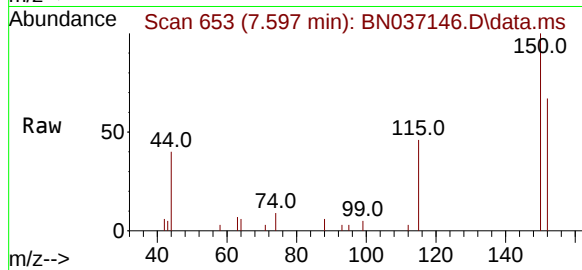
Quant Time: Jun 04 01:42:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



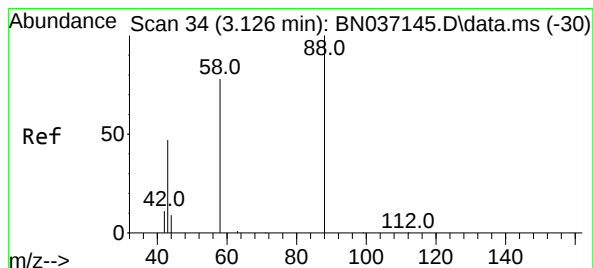
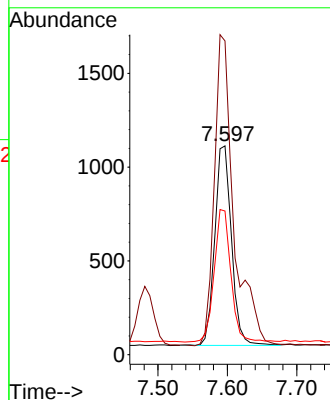
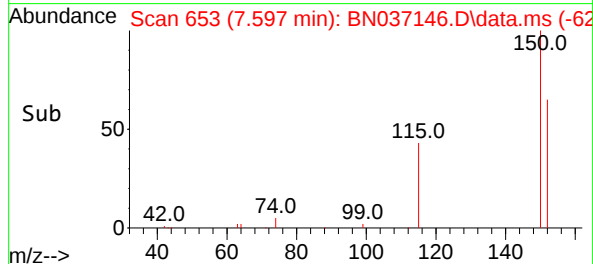


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

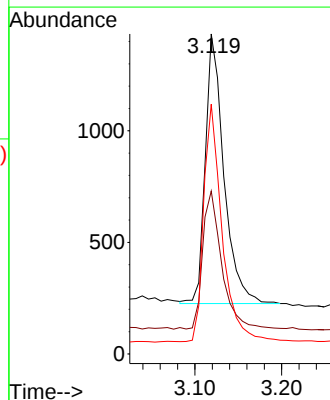
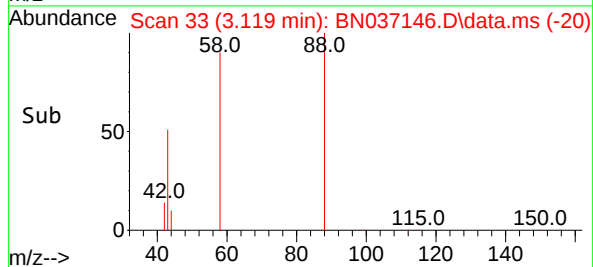
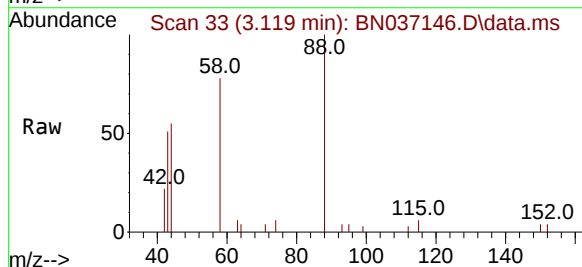


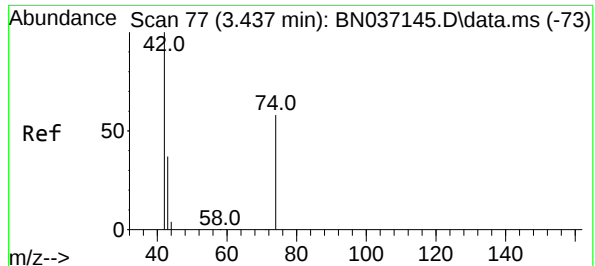
Tgt Ion:152 Resp: 1776
Ion Ratio Lower Upper
152 100
150 150.3 123.2 184.8
115 68.8 56.6 85.0



#2
1,4-Dioxane
Concen: 0.760 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion: 88 Resp: 1799
Ion Ratio Lower Upper
88 100
43 52.9 43.5 65.3
58 87.4 67.7 101.5

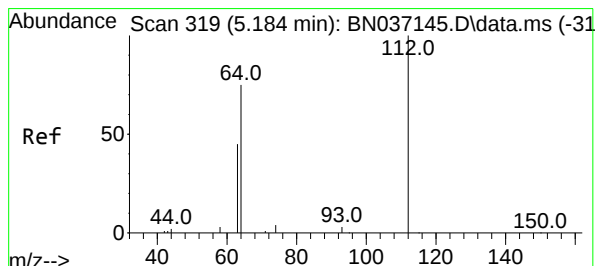
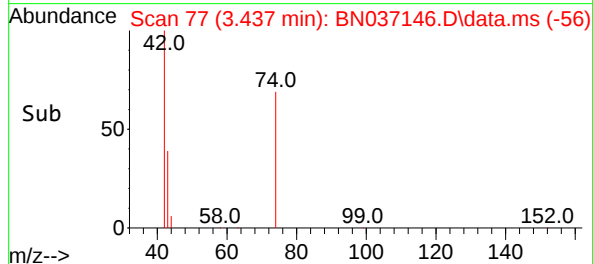
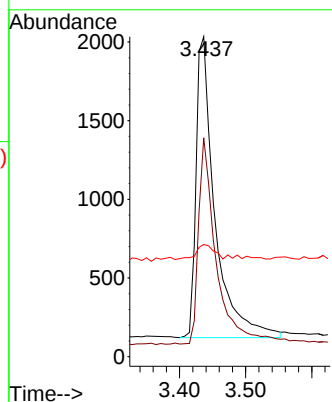
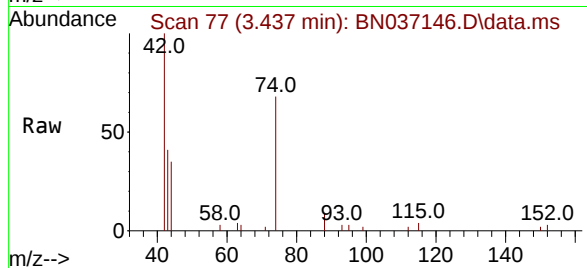




#3
n-Nitrosodimethylamine
Concen: 0.798 ng
RT: 3.437 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

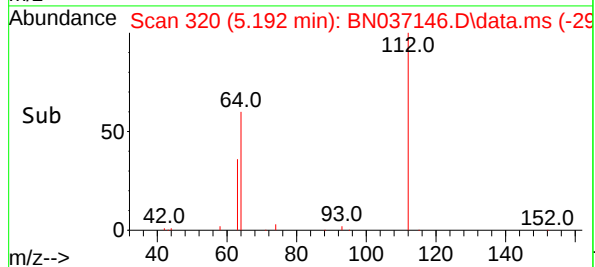
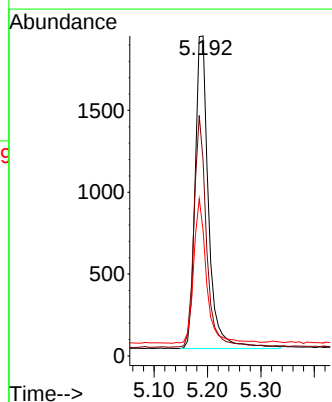
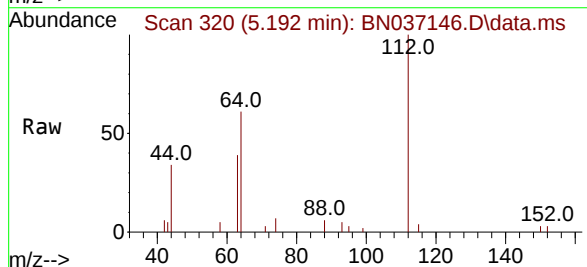
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

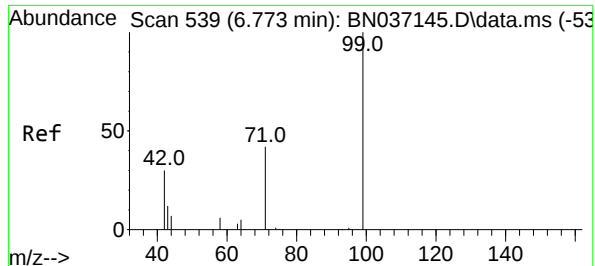
Tgt Ion: 42 Resp: 3791
Ion Ratio Lower Upper
42 100
74 64.4 53.0 79.4
44 4.8 5.9 8.9#



#4
2-Fluorophenol
Concen: 0.764 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion: 112 Resp: 3356
Ion Ratio Lower Upper
112 100
64 69.7 56.3 84.5
63 44.0 36.2 54.4

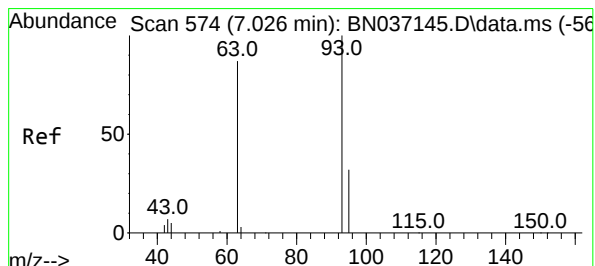
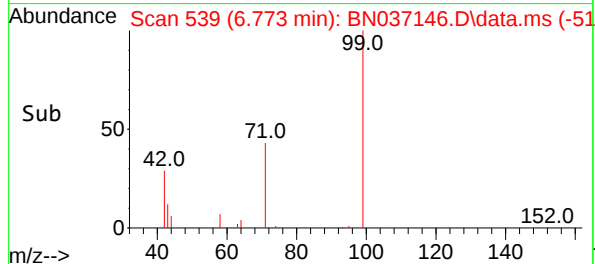
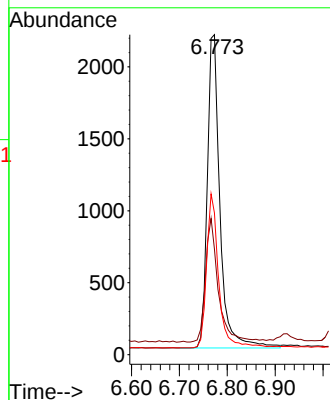
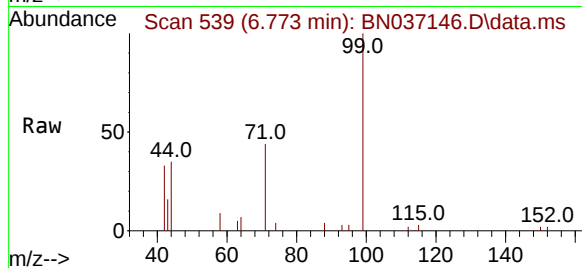




#5
Phenol-d6
Concen: 0.751 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

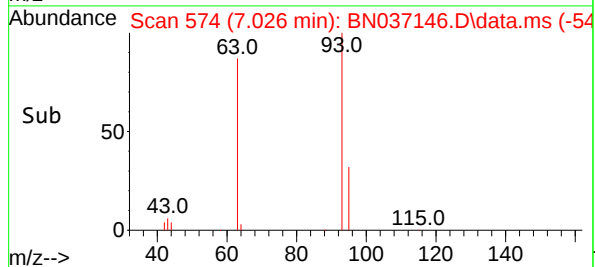
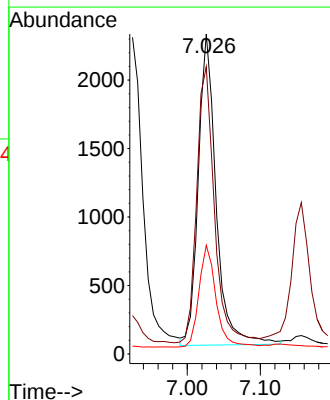
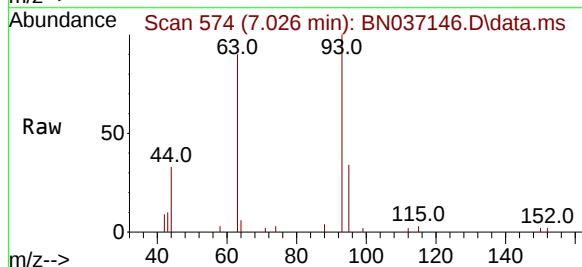
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

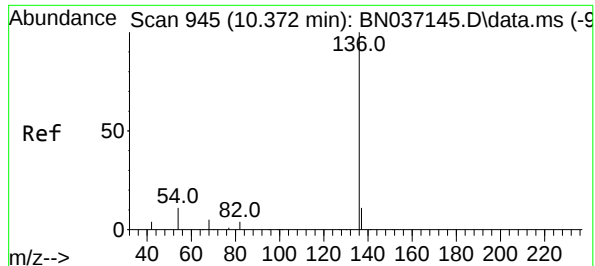
Tgt Ion	Ratio	Lower	Upper
99	100		
42	40.1	31.3	46.9
71	47.5	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.761 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion	Ratio	Lower	Upper
93	100		
63	87.7	68.6	103.0
95	31.2	24.3	36.5

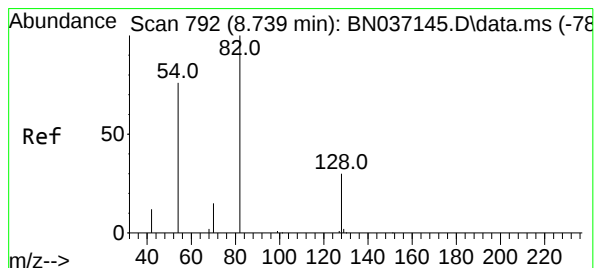
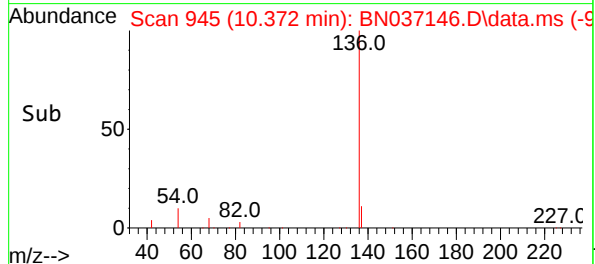
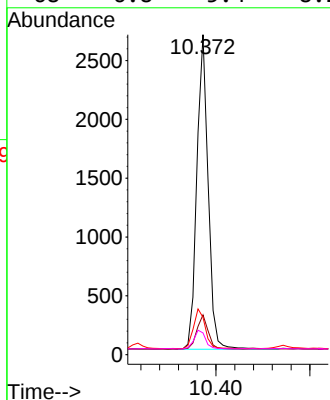
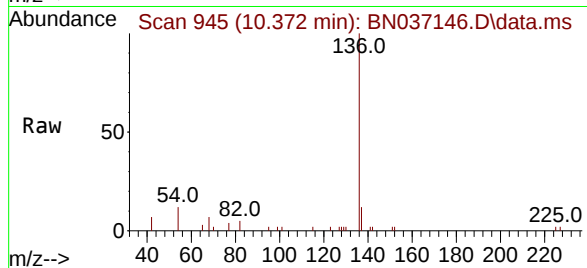




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

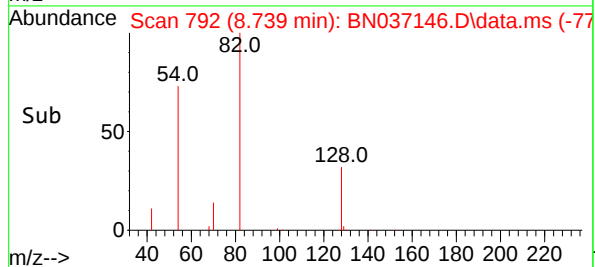
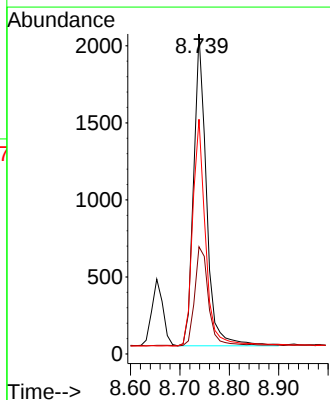
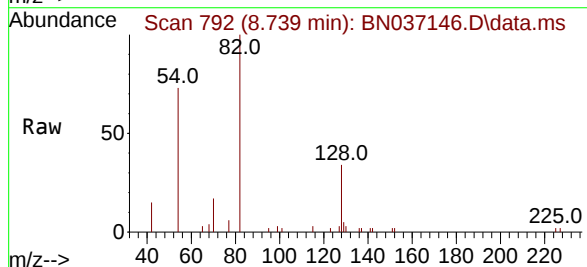
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

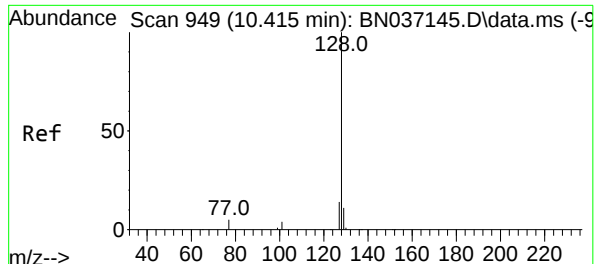
Tgt Ion:	136	Resp:	4485
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	11.7	9.7	14.5
68	6.8	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.771 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:	82	Resp:	3647
Ion	Ratio	Lower	Upper
82	100		
128	33.5	26.9	40.3
54	73.4	61.4	92.2

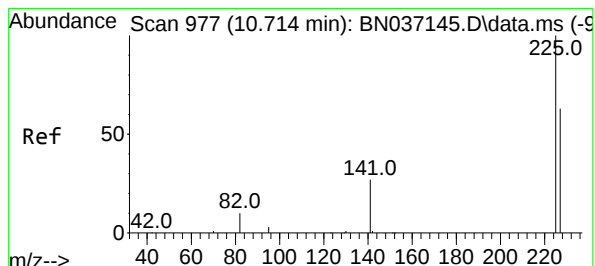
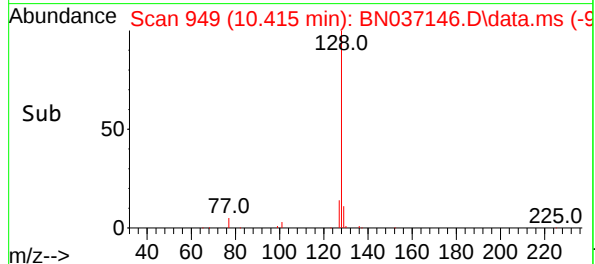
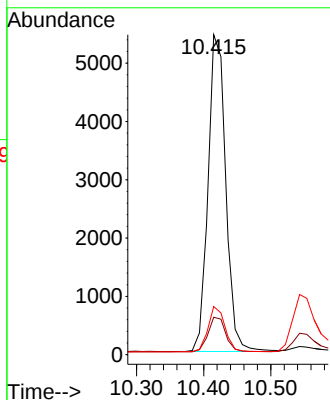
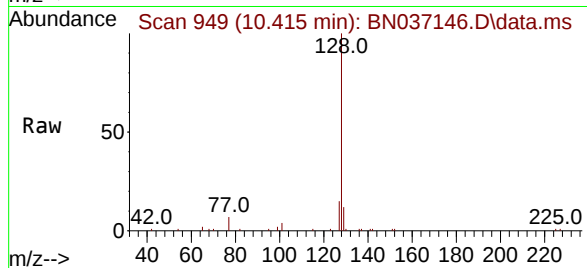




#9
Naphthalene
Concen: 0.770 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

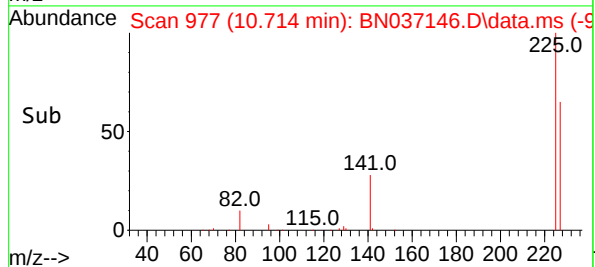
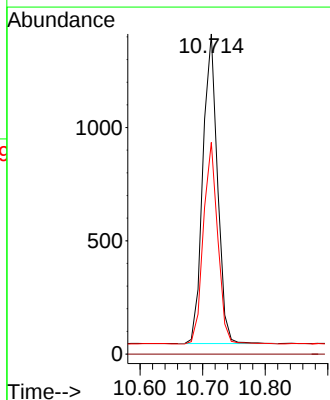
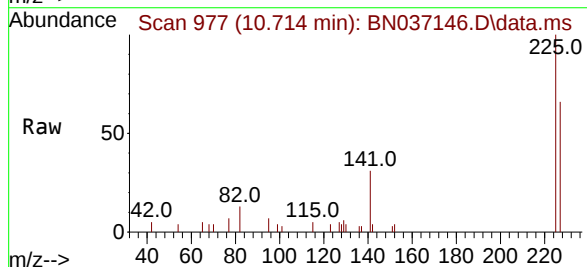
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

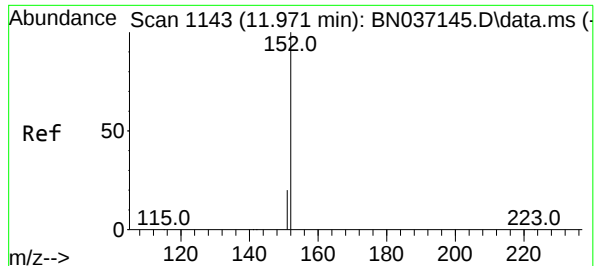
Tgt Ion	128	Resp	9964
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.8	14.8
127	15.1	12.3	18.5



#10
Hexachlorobutadiene
Concen: 0.785 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion	225	Resp	2212
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.9	50.3	75.5

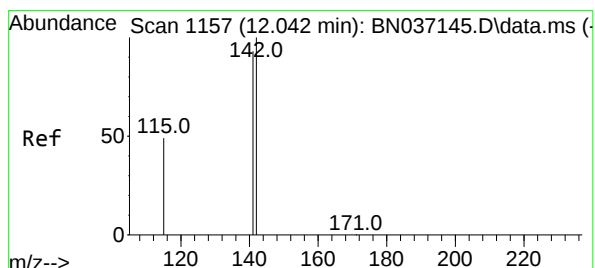
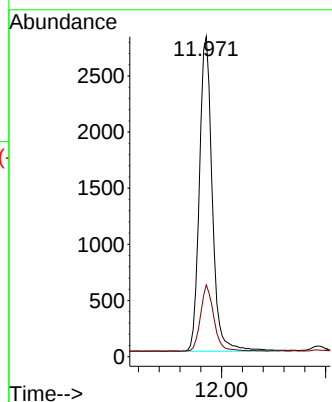
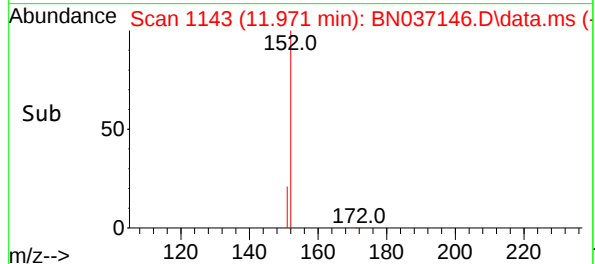
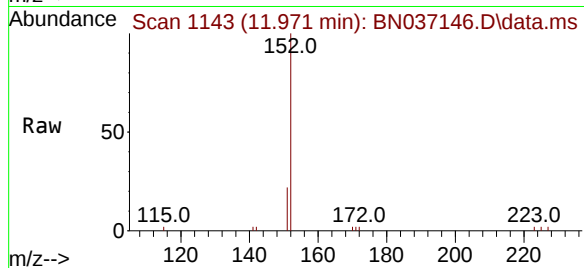




#11
2-Methylnaphthalene-d10
Concen: 0.770 ng
RT: 11.971 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

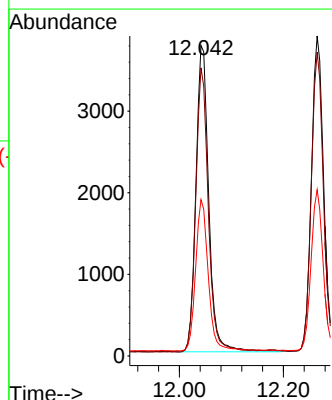
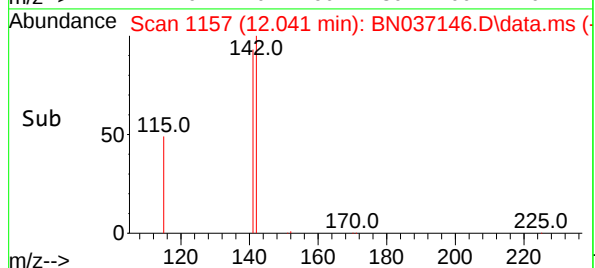
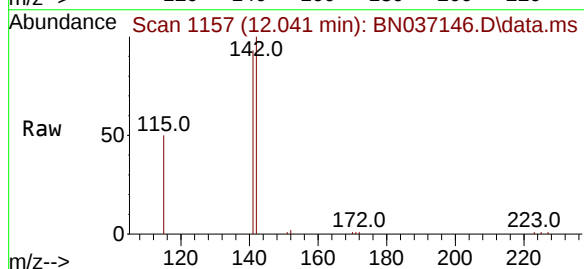
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

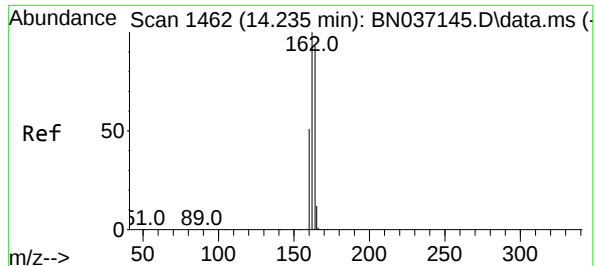
Tgt Ion:152 Resp: 4809
Ion Ratio Lower Upper
152 100
151 21.8 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.777 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:142 Resp: 6445
Ion Ratio Lower Upper
142 100
141 92.8 74.6 111.8
115 50.3 41.0 61.4

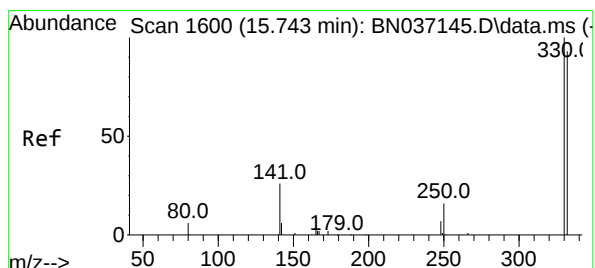
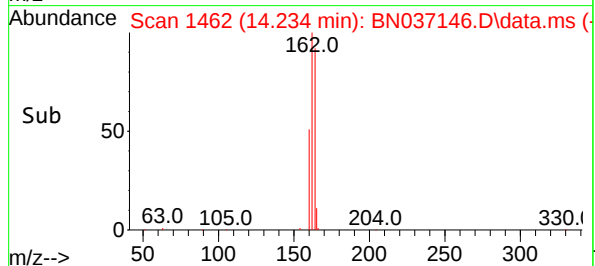
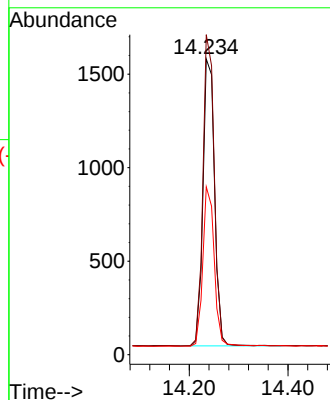
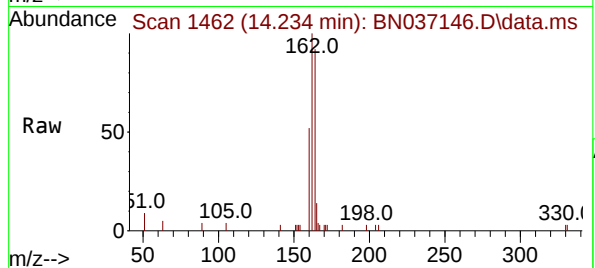




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

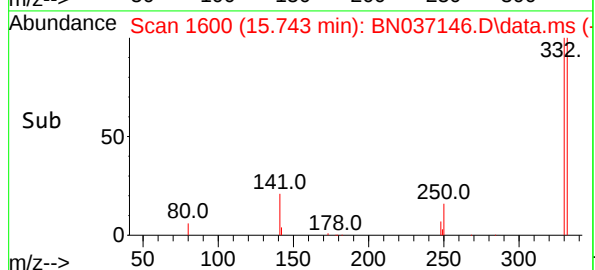
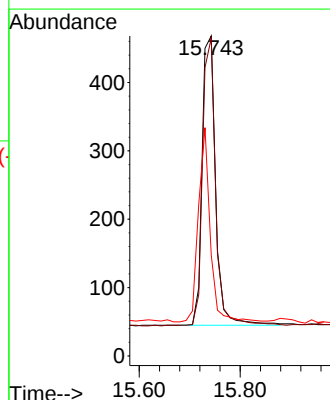
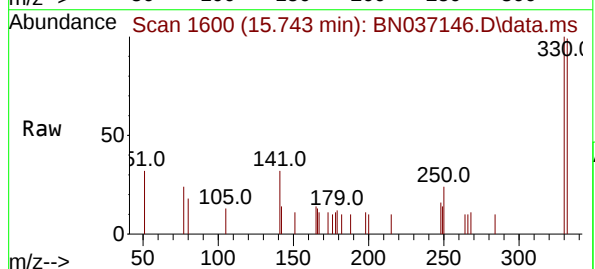
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

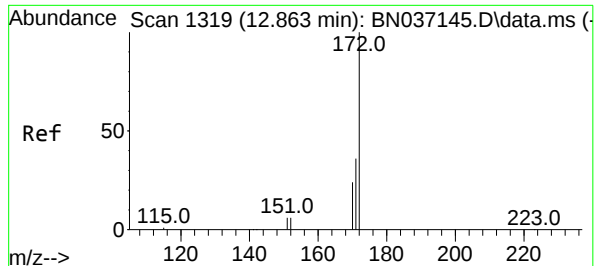
Tgt Ion:164 Resp: 2508
Ion Ratio Lower Upper
164 100
162 108.2 85.5 128.3
160 56.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.781 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:330 Resp: 789
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 58.3 46.4 69.6

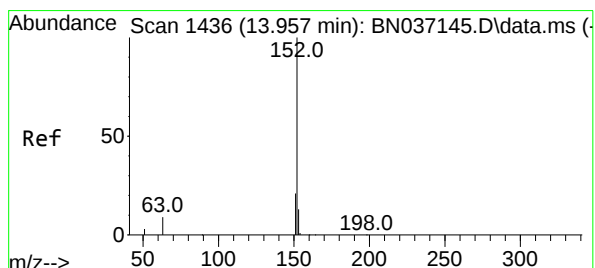
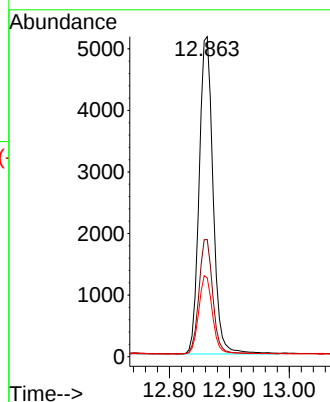
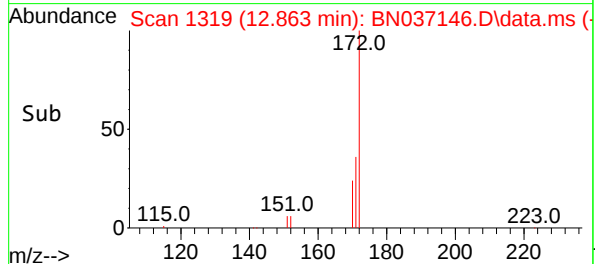
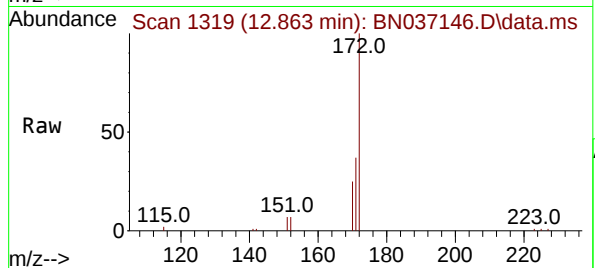




#15
2-Fluorobiphenyl
Concen: 0.776 ng
RT: 12.863 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

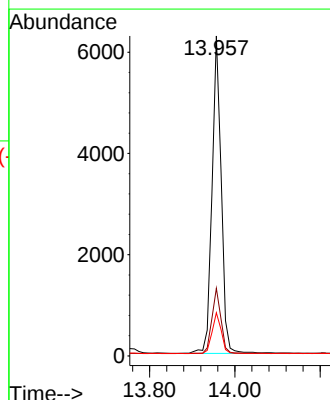
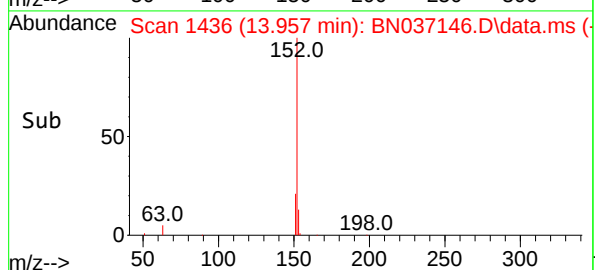
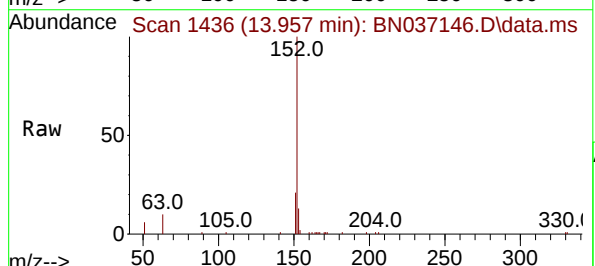
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

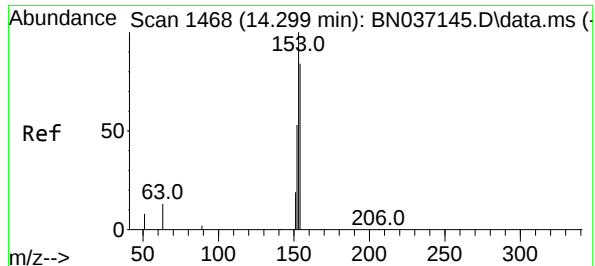
Tgt Ion:	172	Resp:	8296
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.7	20.3	30.5



#16
Acenaphthylene
Concen: 0.763 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:	152	Resp:	9385
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	12.9	10.6	15.8

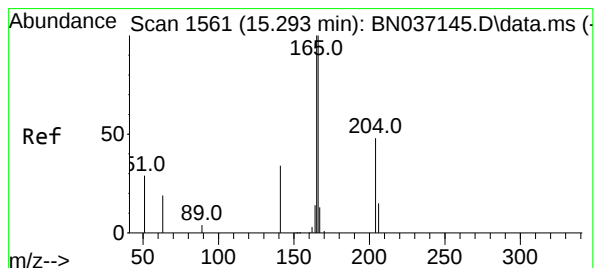
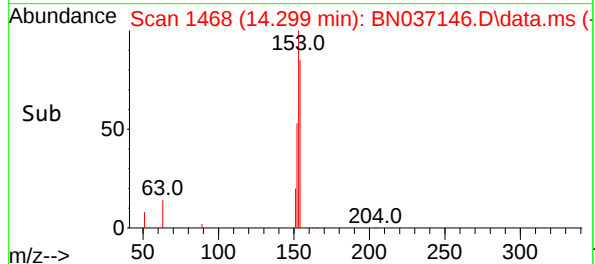
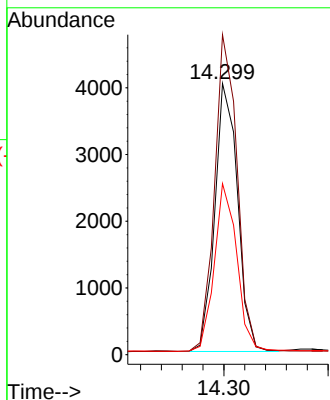
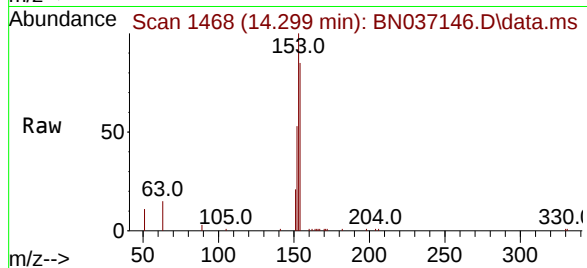




#17
Acenaphthene
Concen: 0.762 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

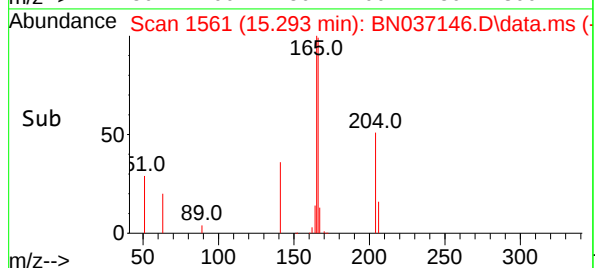
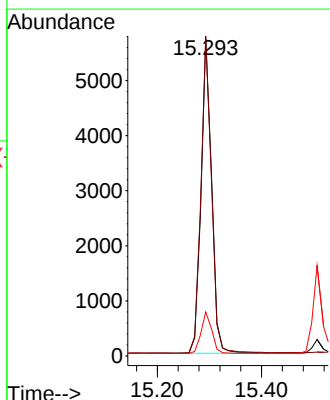
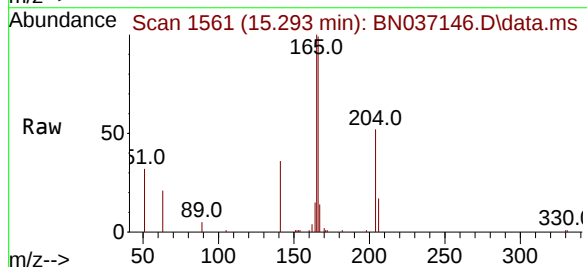
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

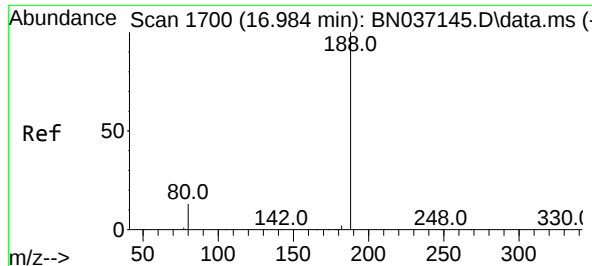
Tgt Ion:154 Resp: 6080
Ion Ratio Lower Upper
154 100
153 117.4 93.8 140.8
152 62.7 50.5 75.7



#18
Fluorene
Concen: 0.770 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:166 Resp: 8080
Ion Ratio Lower Upper
166 100
165 100.5 81.1 121.7
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

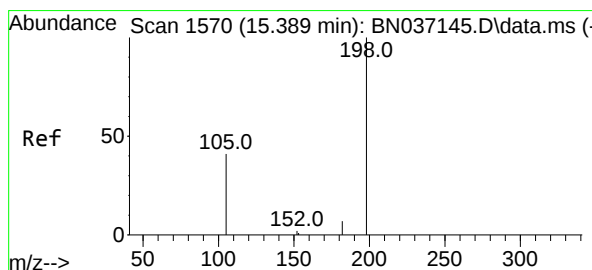
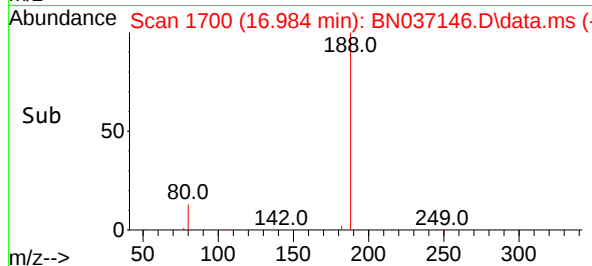
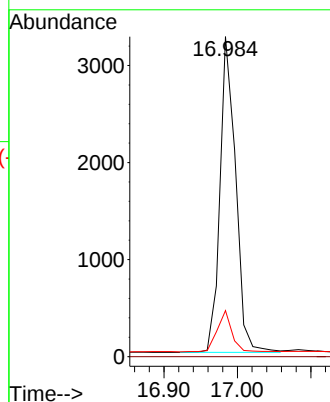
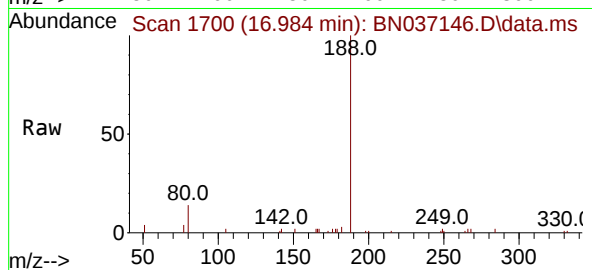
Tgt Ion:188 Resp: 4816

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.730 ng

RT: 15.389 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

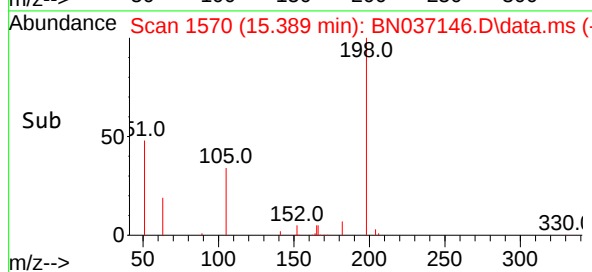
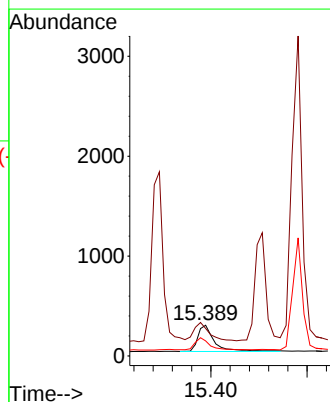
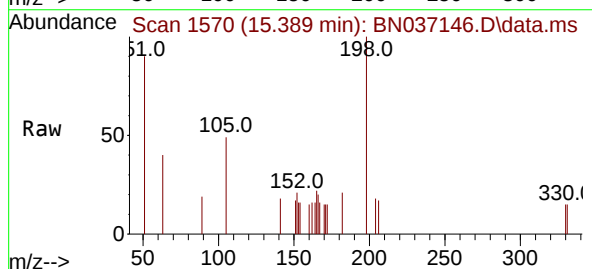
Tgt Ion:198 Resp: 643

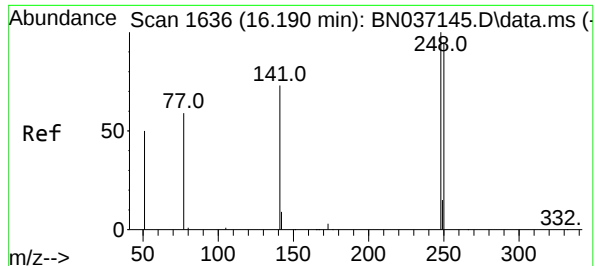
Ion Ratio Lower Upper

198 100

51 89.6 125.2 187.8#

105 49.2 57.1 85.7#

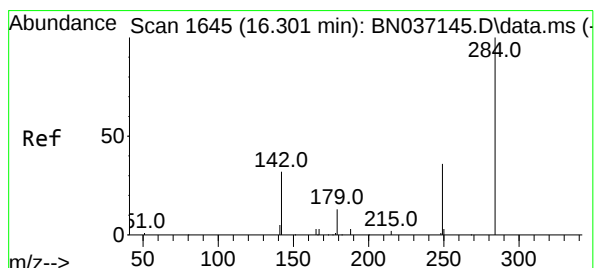
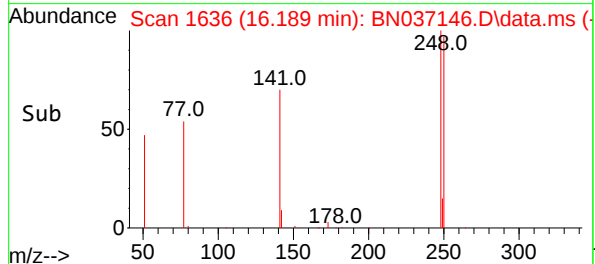
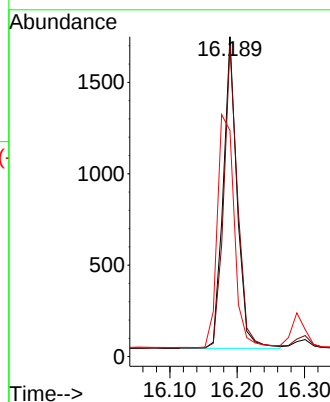
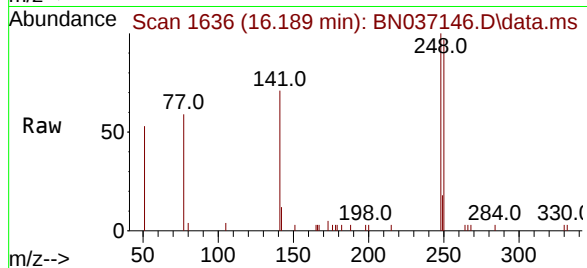




#21
4-Bromophenyl-phenylether
Concen: 0.775 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

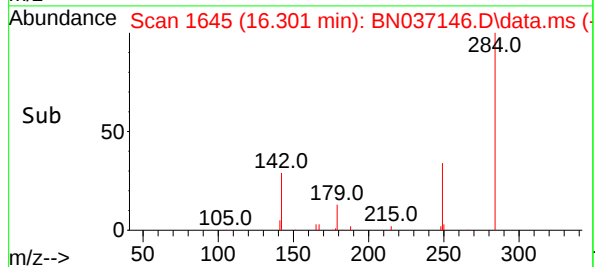
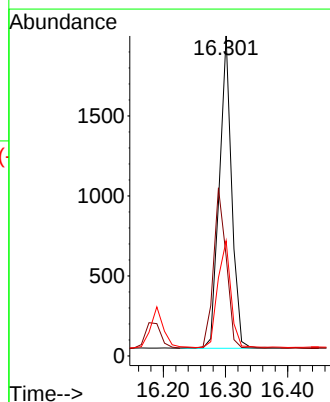
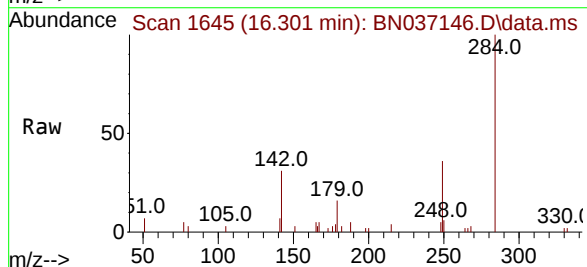
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

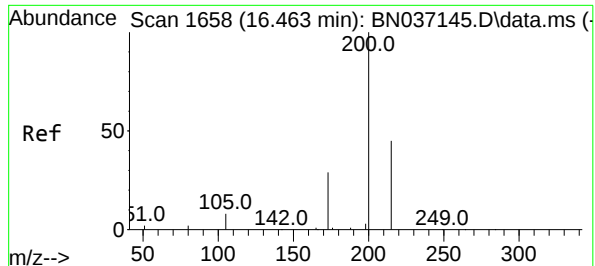
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.1	114.1
141	70.7	60.1	90.1



#22
Hexachlorobenzene
Concen: 0.790 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion	Ratio	Lower	Upper
284	100		
142	53.3	44.0	66.0
249	36.2	29.7	44.5

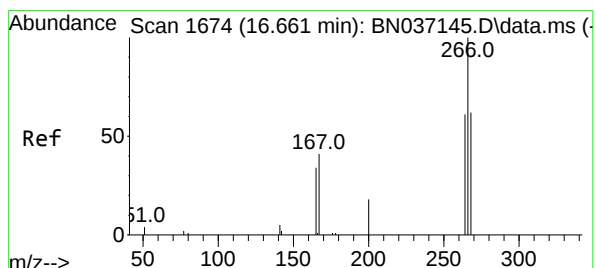
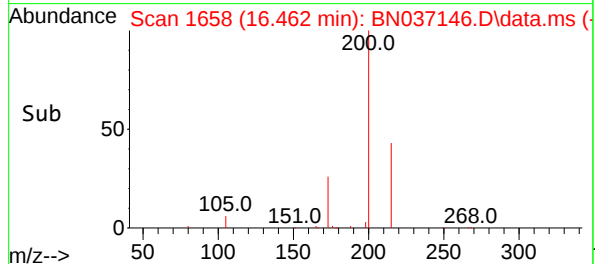
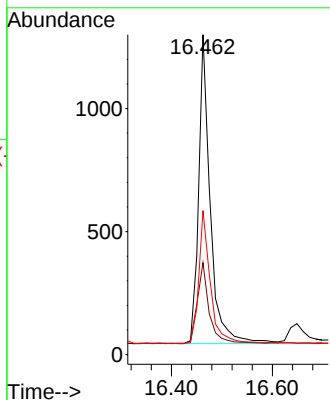
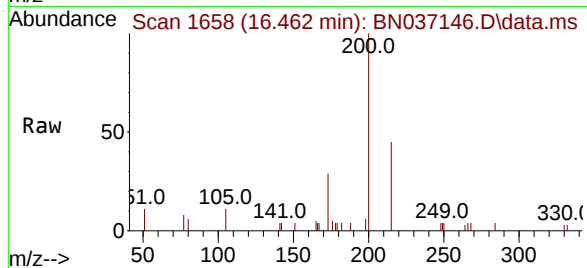




#23
Atrazine
Concen: 0.772 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

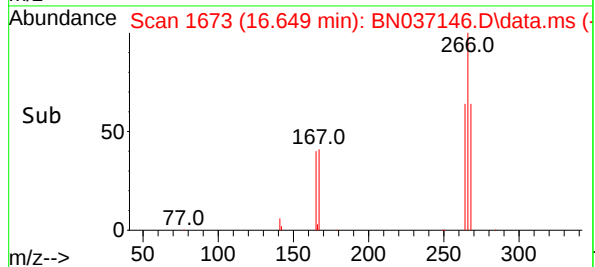
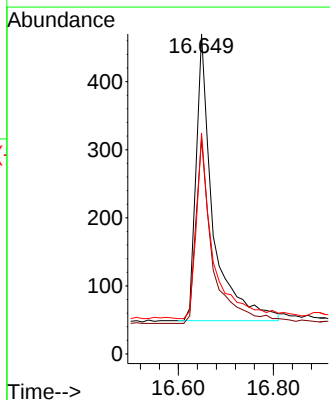
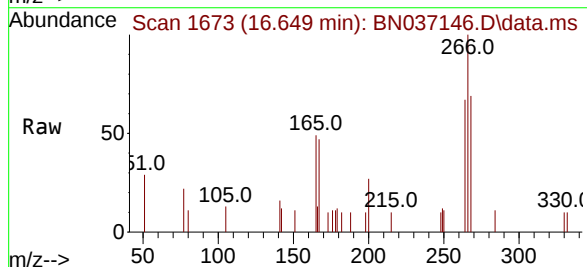
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

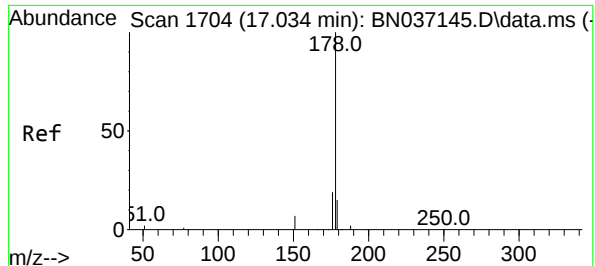
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.8	28.1	42.1
215	45.0	39.3	58.9



#24
Pentachlorophenol
Concen: 0.722 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.3	73.9
268	64.2	49.0	73.4

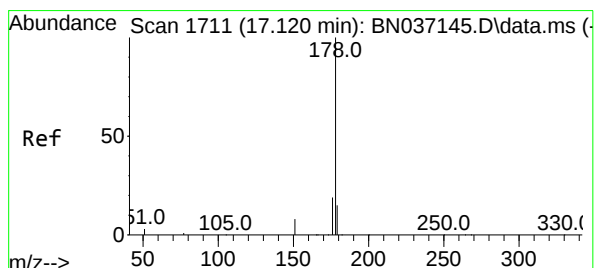
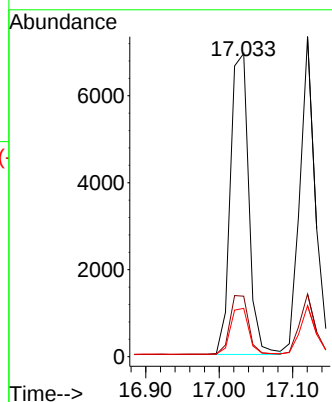
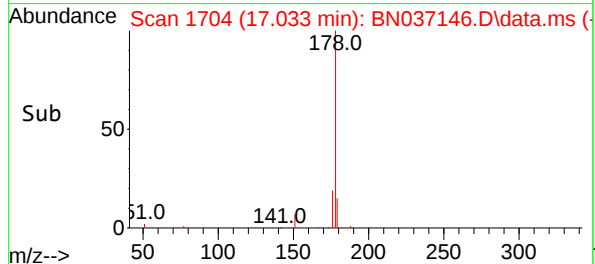
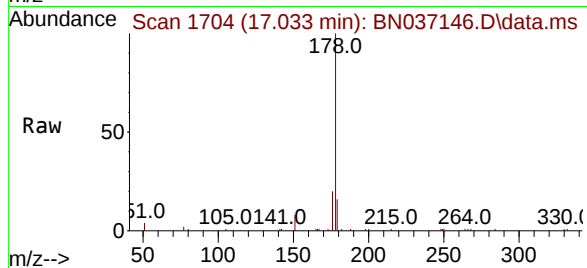




#25
Phenanthrene
Concen: 0.770 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

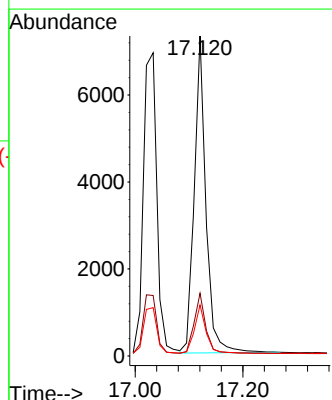
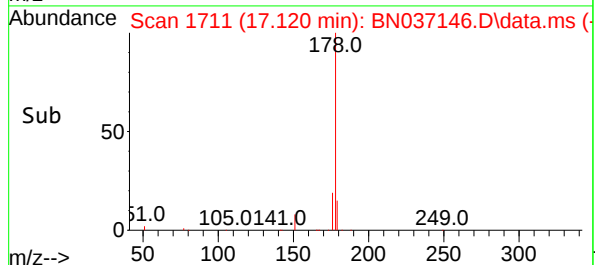
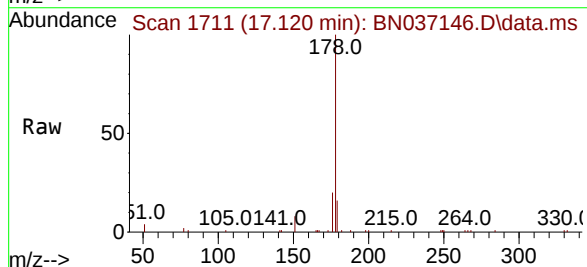
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

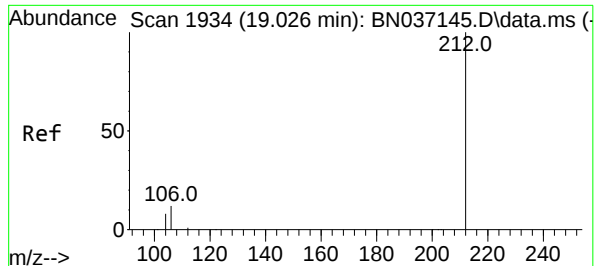
Tgt Ion:178 Resp: 12021
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.773 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:178 Resp: 11005
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.2 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.753 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

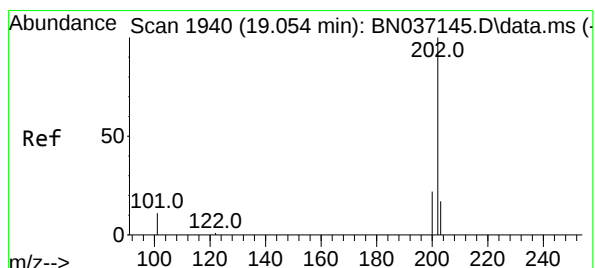
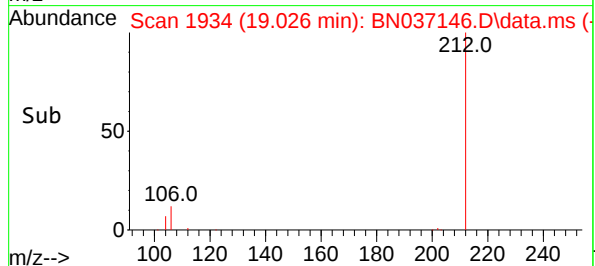
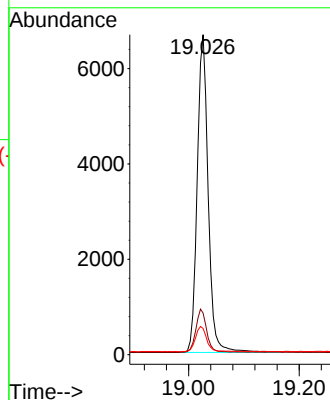
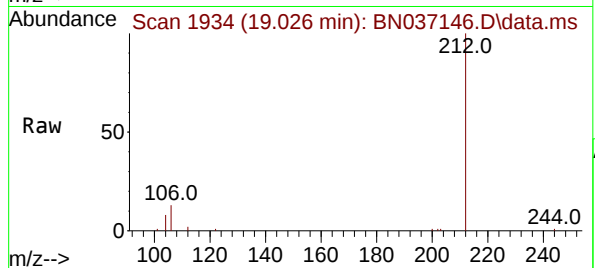
Tgt Ion:212 Resp: 9209

Ion Ratio Lower Upper

212 100

106 13.3 10.6 15.8

104 8.1 6.6 9.8



#28

Fluoranthene

Concen: 0.763 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

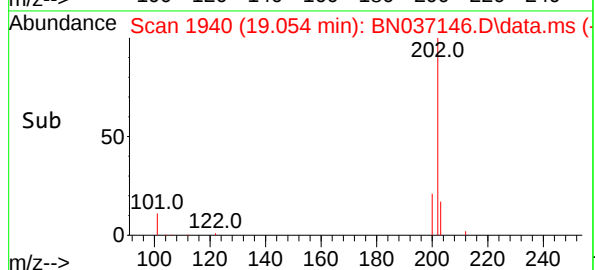
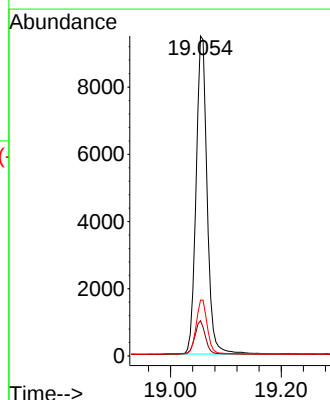
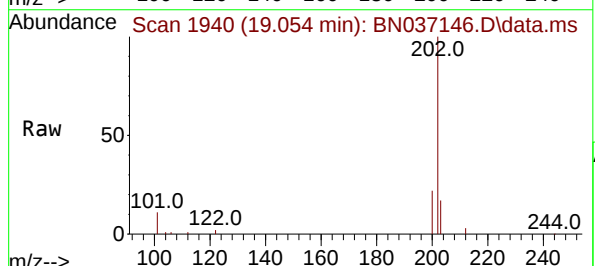
Tgt Ion:202 Resp: 13144

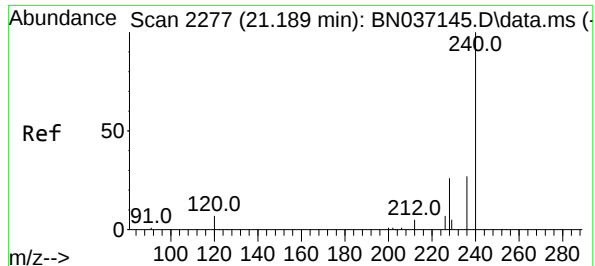
Ion Ratio Lower Upper

202 100

101 10.6 8.7 13.1

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

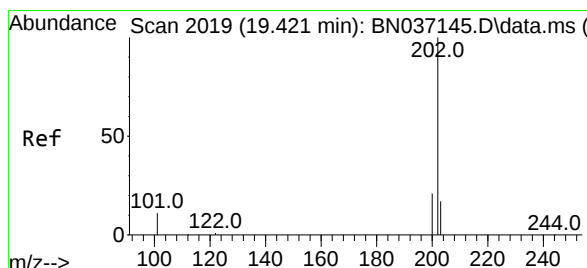
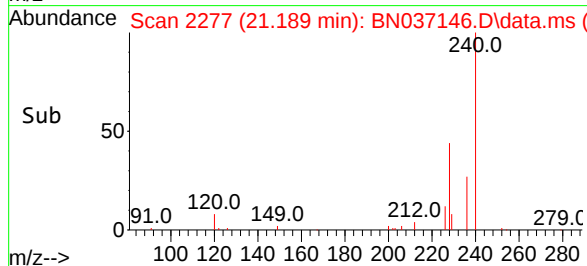
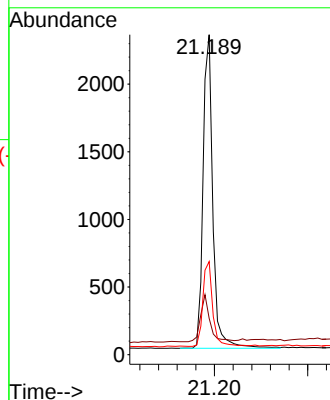
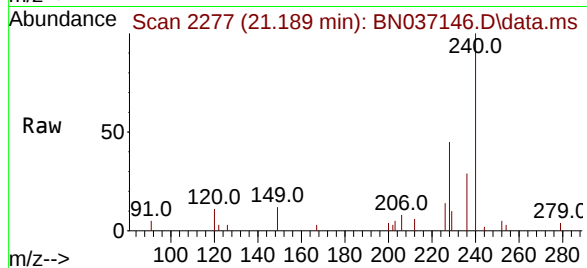
Tgt Ion:240 Resp: 3381

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.4

236 29.1 23.0 34.4



#30

Pyrene

Concen: 0.790 ng

RT: 19.421 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

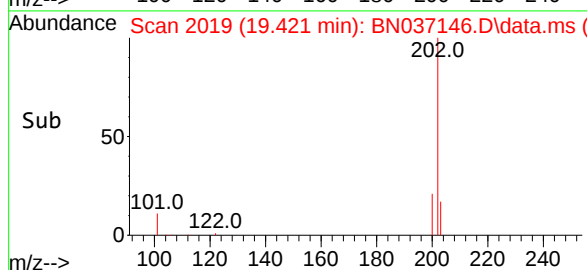
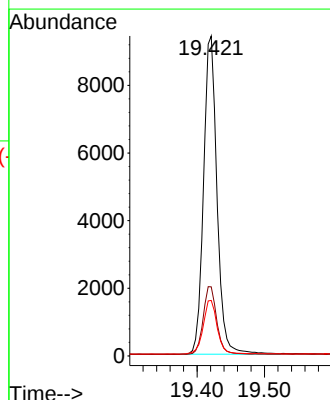
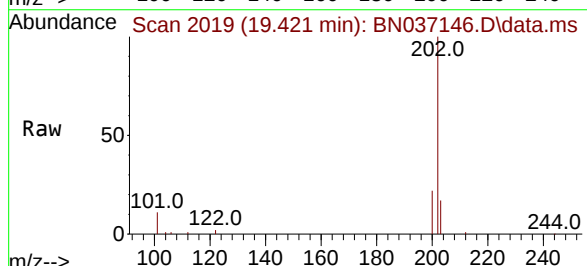
Tgt Ion:202 Resp: 13035

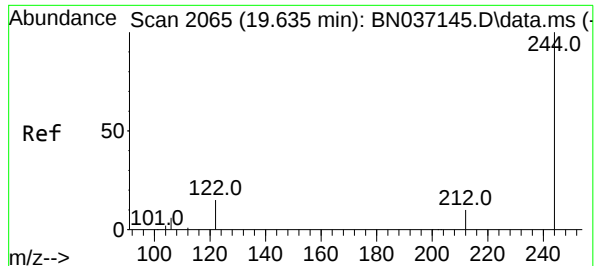
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.6 14.2 21.4

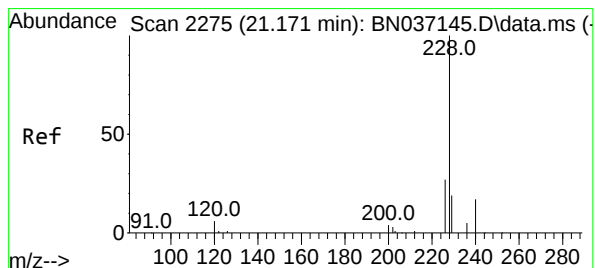
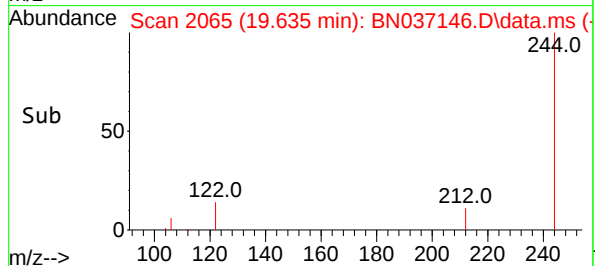
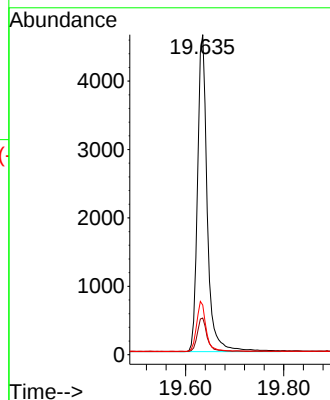
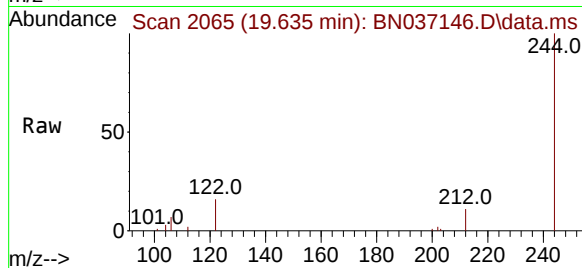




#31
Terphenyl-d14
Concen: 0.800 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

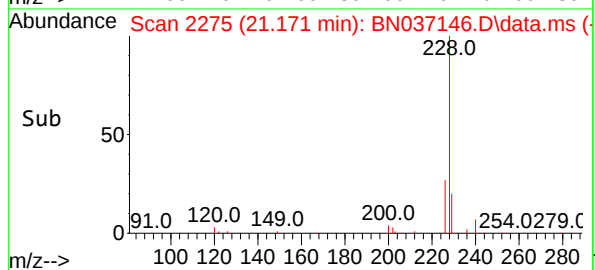
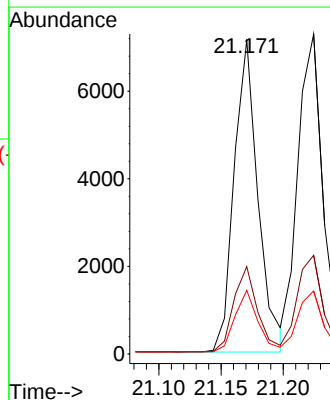
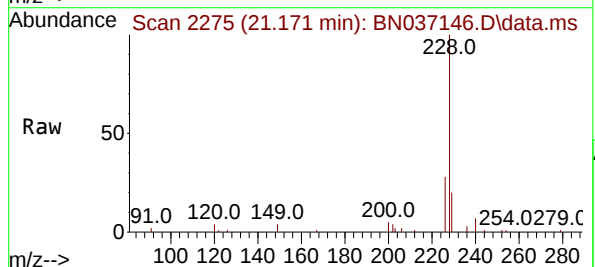
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

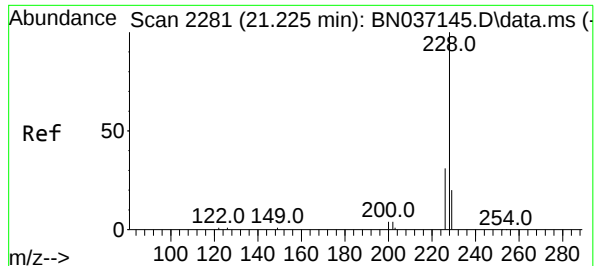
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.5	10.0	15.0
122	15.5	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.776 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.2	16.2	24.2





#33

Chrysene

Concen: 0.785 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

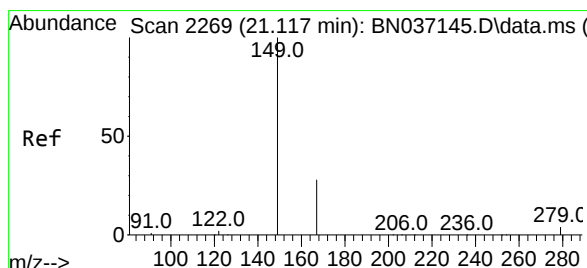
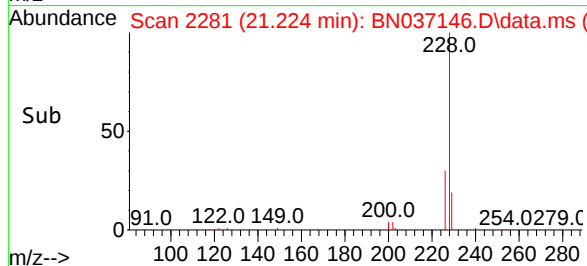
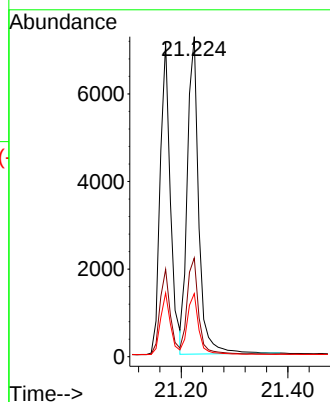
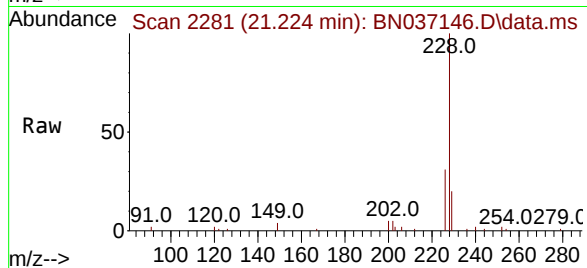
Tgt Ion:228 Resp: 10700

Ion Ratio Lower Upper

228 100

226 30.9 25.2 37.8

229 19.7 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.751 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

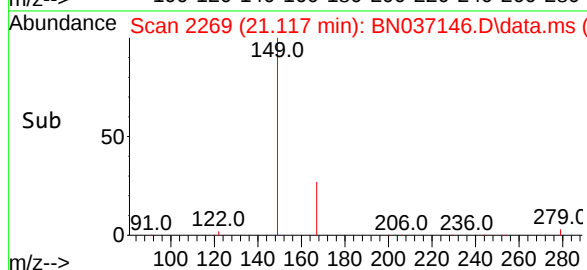
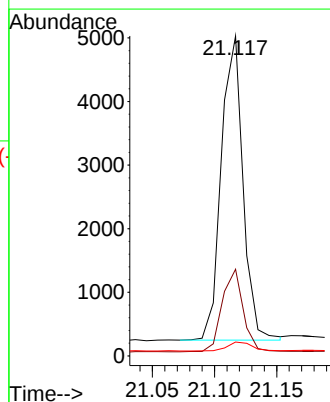
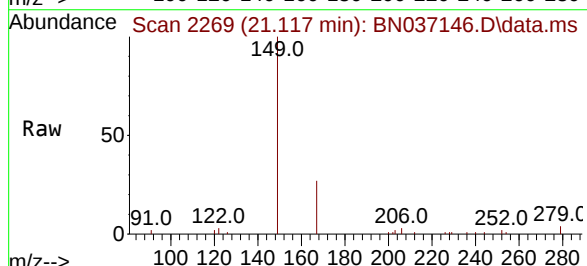
Tgt Ion:149 Resp: 5801

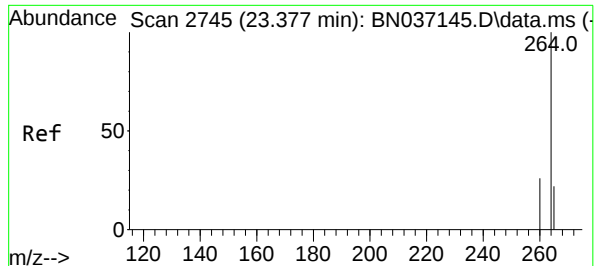
Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

279 3.3 2.9 4.3

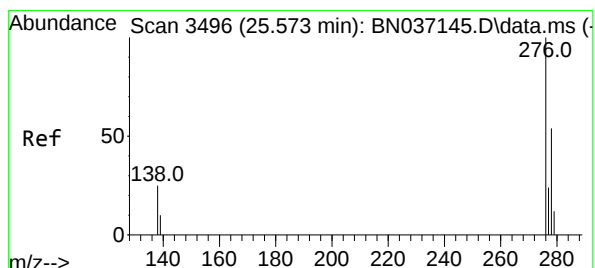
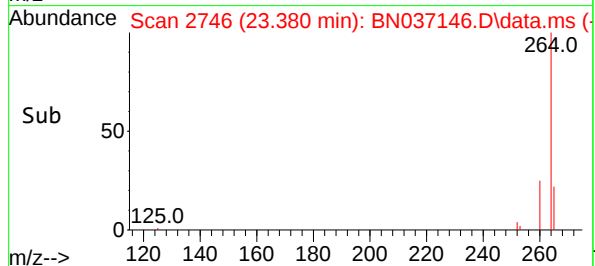
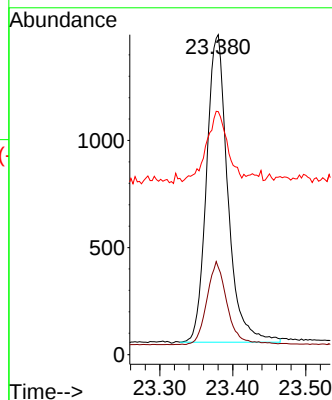
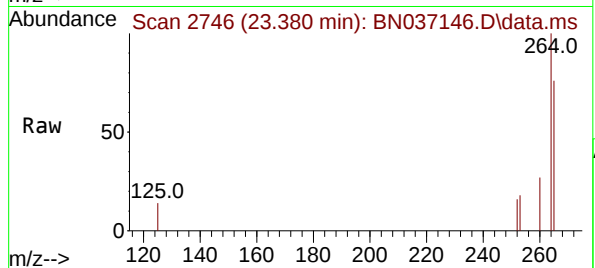




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

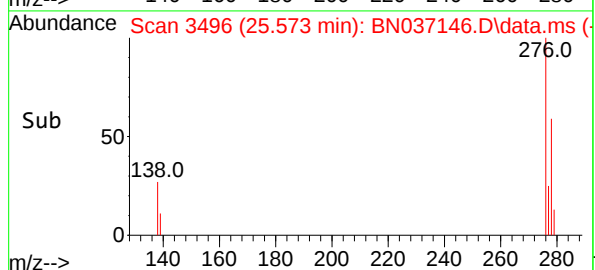
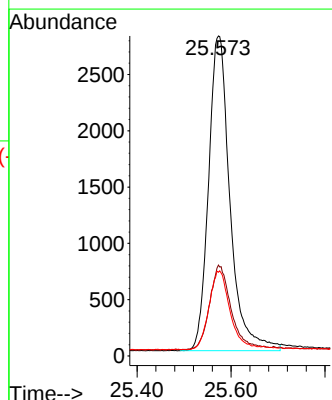
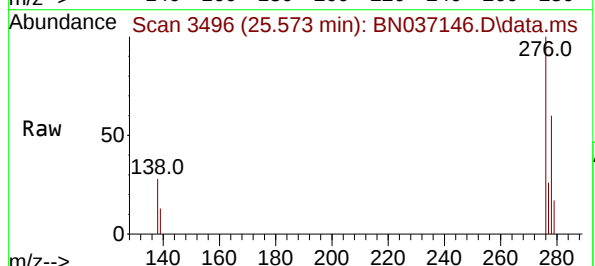
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

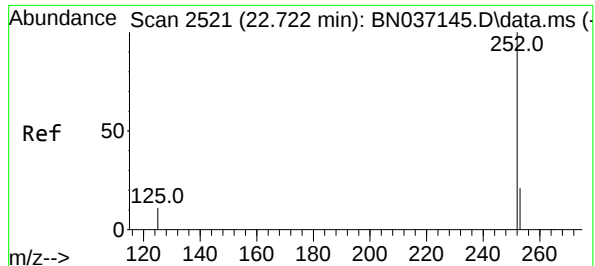
Tgt Ion:264 Resp: 2909
Ion Ratio Lower Upper
264 100
260 27.3 22.1 33.1
265 76.0 55.8 83.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.767 ng
RT: 25.573 min Scan# 3496
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Tgt Ion:276 Resp: 8881
Ion Ratio Lower Upper
276 100
138 27.1 21.0 31.6
277 24.5 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.780 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

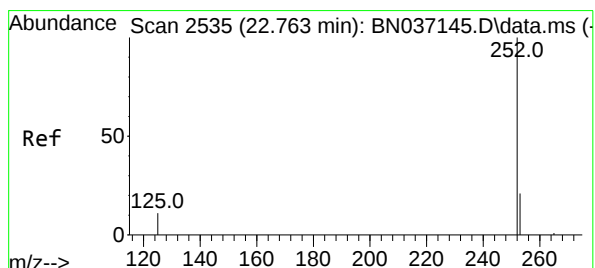
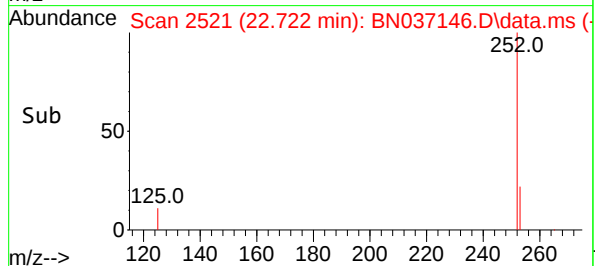
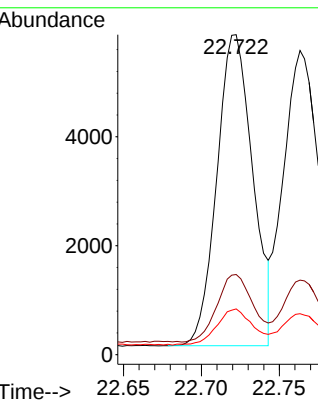
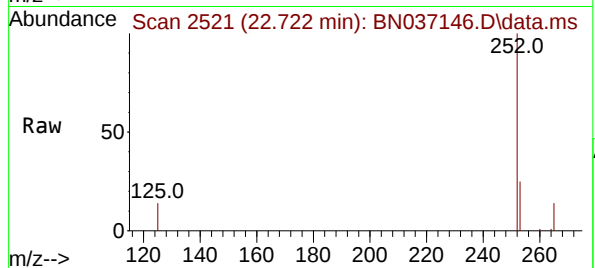
Tgt Ion:252 Resp: 9165

Ion Ratio Lower Upper

252 100

253 25.0 22.3 33.5

125 14.3 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.782 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

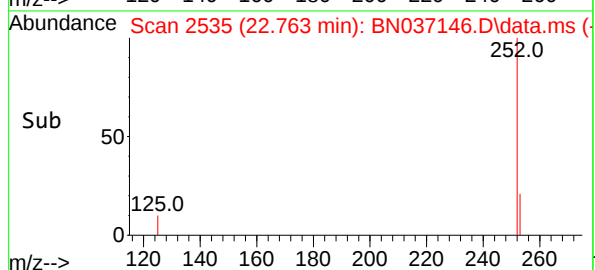
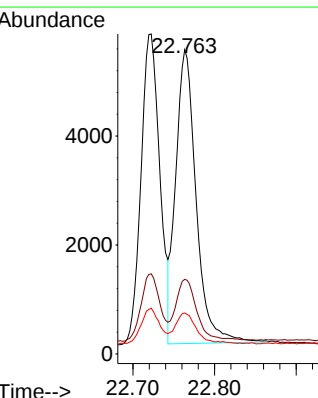
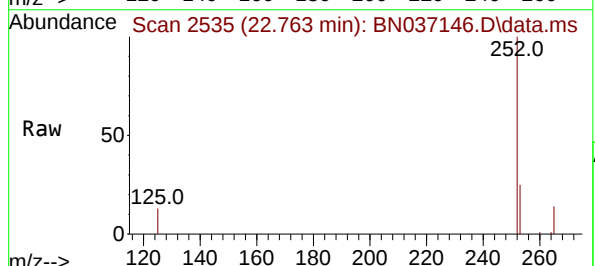
Tgt Ion:252 Resp: 9379

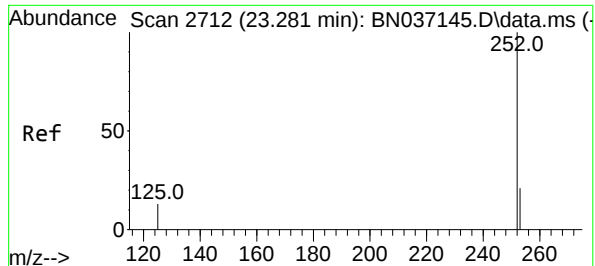
Ion Ratio Lower Upper

252 100

253 24.5 22.2 33.4

125 13.5 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.765 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

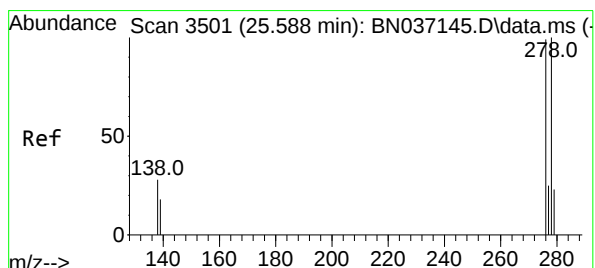
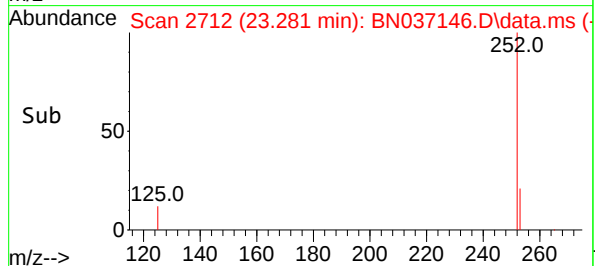
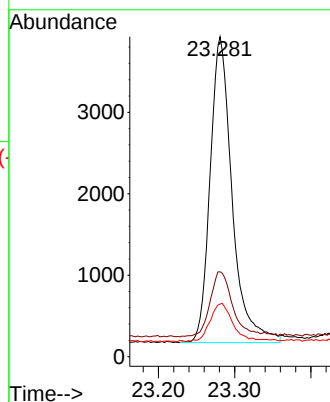
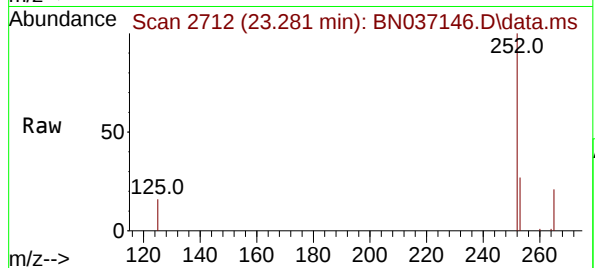
Tgt Ion:252 Resp: 7528

Ion Ratio Lower Upper

252 100

253 26.6 25.0 37.4

125 16.4 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.780 ng

RT: 25.588 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

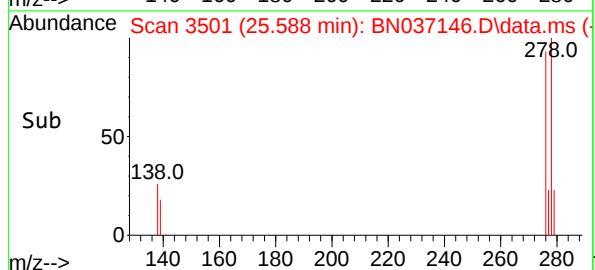
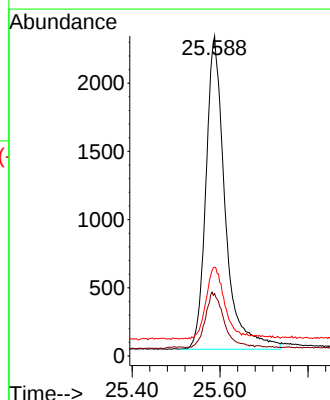
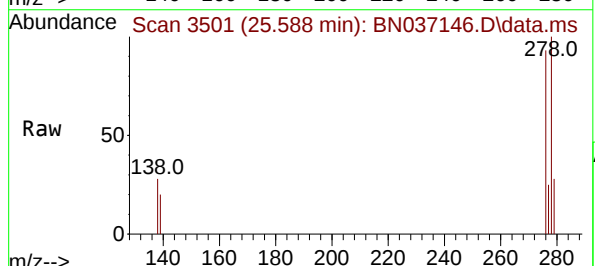
Tgt Ion:278 Resp: 6960

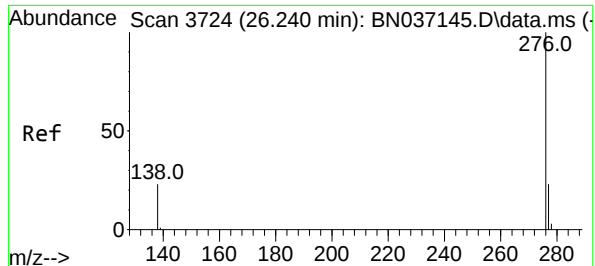
Ion Ratio Lower Upper

278 100

139 19.5 17.6 26.4

279 27.7 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.778 ng

RT: 26.240 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037146.D

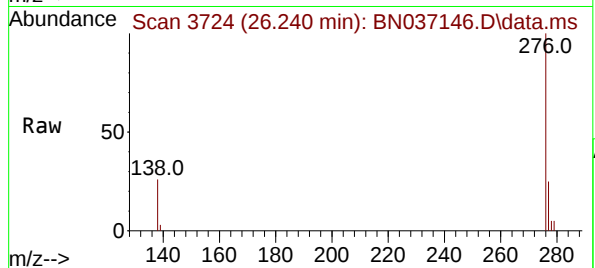
Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



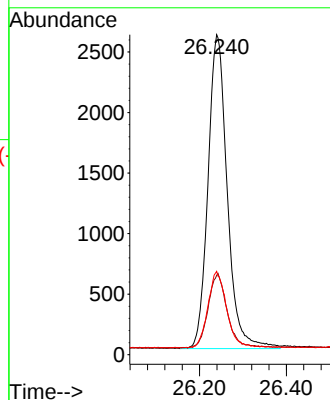
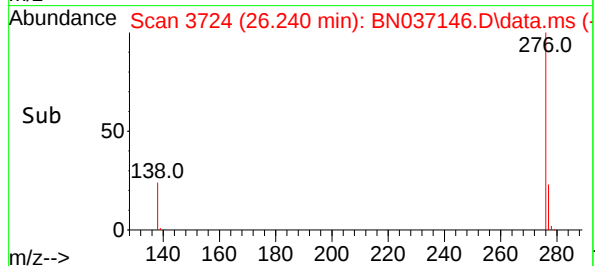
Tgt Ion:276 Resp: 7980

Ion Ratio Lower Upper

276 100

277 24.8 20.9 31.3

138 26.1 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037147.D
 Acq On : 03 Jun 2025 14:02
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Jun 04 01:42:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

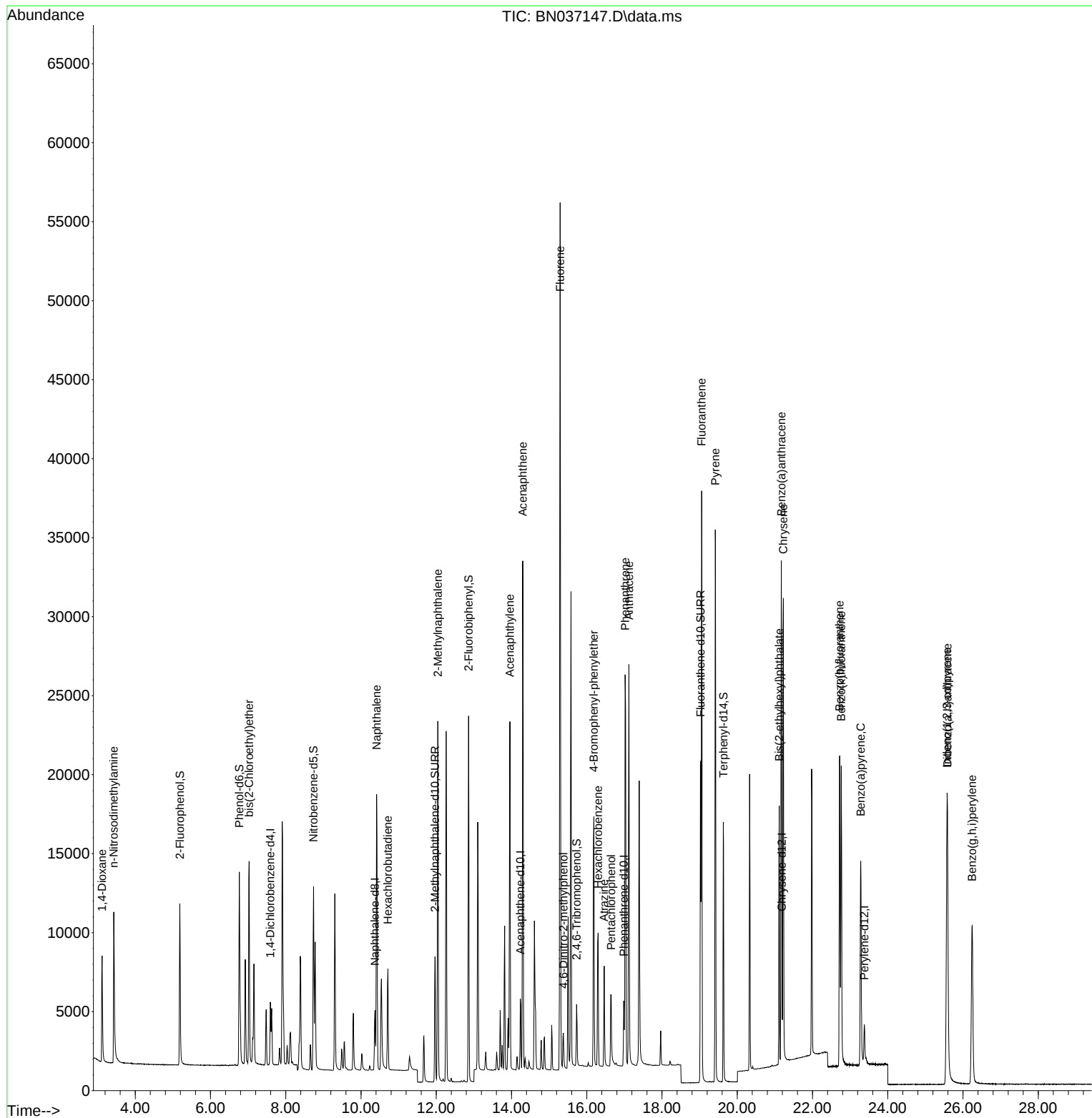
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1779	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4585	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2603	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5057	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3873	0.400	ng	0.00
35) Perylene-d12	23.377	264	3320	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	7371	1.676	ng	0.00
5) Phenol-d6	6.766	99	9203	1.726	ng	0.00
8) Nitrobenzene-d5	8.739	82	8338	1.724	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	10971	1.719	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	1930	1.842	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	18891	1.702	ng	0.00
27) Fluoranthene-d10	19.026	212	22095	1.720	ng	0.00
31) Terphenyl-d14	19.630	244	15589	1.710	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.119	88	3745	1.579	ng	97
3) n-Nitrosodimethylamine	3.429	42	8276	1.738	ng	# 97
6) bis(2-Chloroethyl)ether	7.026	93	8706	1.711	ng	98
9) Naphthalene	10.415	128	22289	1.685	ng	97
10) Hexachlorobutadiene	10.714	225	4883	1.694	ng	# 99
12) 2-Methylnaphthalene	12.042	142	14834	1.750	ng	97
16) Acenaphthylene	13.957	152	21986	1.723	ng	100
17) Acenaphthene	14.299	154	14266	1.722	ng	99
18) Fluorene	15.293	166	18976	1.742	ng	100
20) 4,6-Dinitro-2-methylph...	15.378	198	1819	1.502	ng	# 41
21) 4-Bromophenyl-phenylether	16.189	248	5692	1.717	ng	90
22) Hexachlorobenzene	16.301	284	6093	1.703	ng	99
23) Atrazine	16.463	200	4865	1.778	ng	# 88
24) Pentachlorophenol	16.649	266	2828	1.535	ng	96
25) Phenanthrene	17.021	178	28034	1.711	ng	100
26) Anthracene	17.120	178	26183	1.751	ng	99
28) Fluoranthene	19.054	202	31942	1.765	ng	100
30) Pyrene	19.416	202	31728	1.678	ng	100
32) Benzo(a)anthracene	21.171	228	24513	1.748	ng	99
33) Chrysene	21.224	228	26306	1.685	ng	98
34) Bis(2-ethylhexyl)phtha...	21.117	149	14807	1.674	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	22504	1.704	ng	98
37) Benzo(b)fluoranthene	22.722	252	23418	1.747	ng	# 90
38) Benzo(k)fluoranthene	22.763	252	23602	1.725	ng	# 90
39) Benzo(a)pyrene	23.281	252	19265	1.716	ng	# 86
40) Dibenzo(a,h)anthracene	25.588	278	17700	1.738	ng	# 90
41) Benzo(g,h,i)perylene	26.243	276	19619	1.677	ng	97

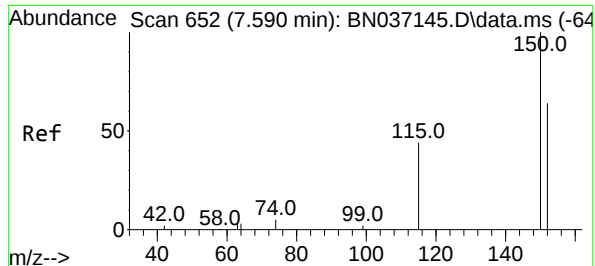
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037147.D
Acq On : 03 Jun 2025 14:02
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

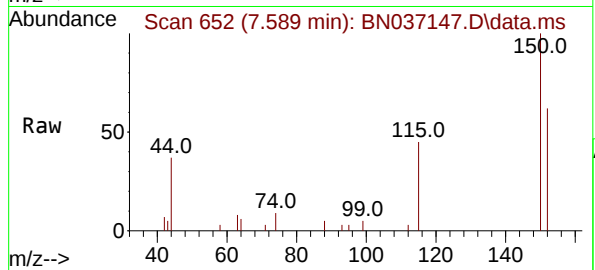
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



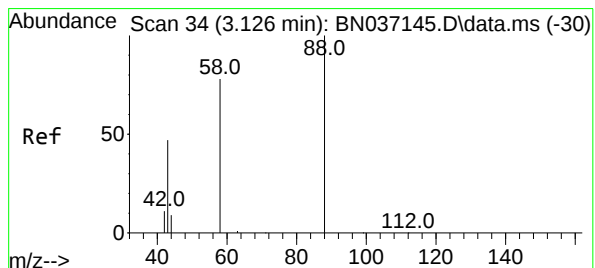
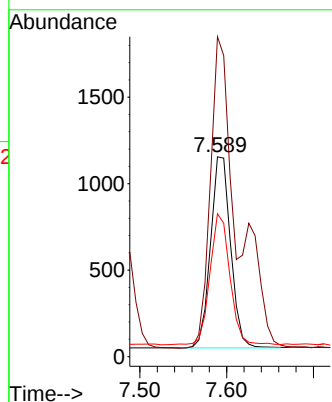
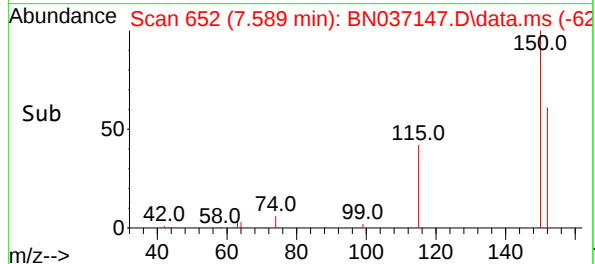


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

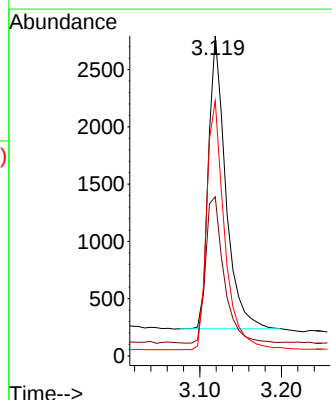
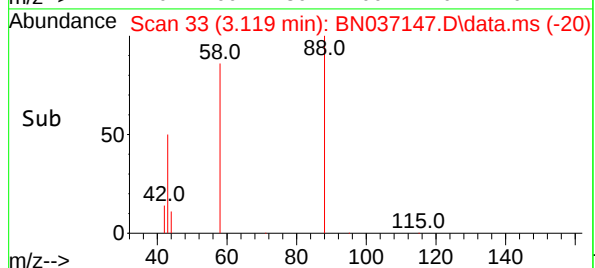
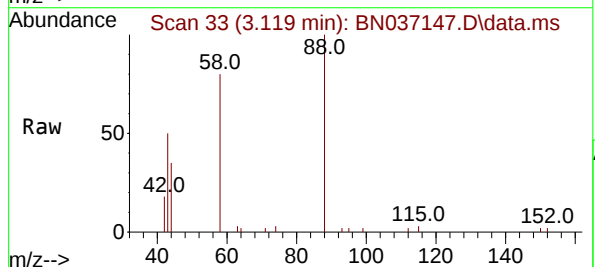


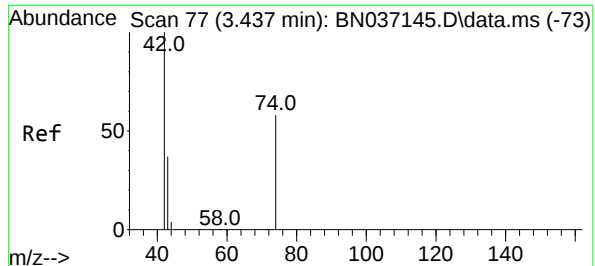
Tgt Ion:152 Resp: 1779
Ion Ratio Lower Upper
152 100
150 160.2 123.2 184.8
115 71.5 56.6 85.0



#2
1,4-Dioxane
Concen: 1.579 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion: 88 Resp: 3745
Ion Ratio Lower Upper
88 100
43 53.6 43.5 65.3
58 88.6 67.7 101.5

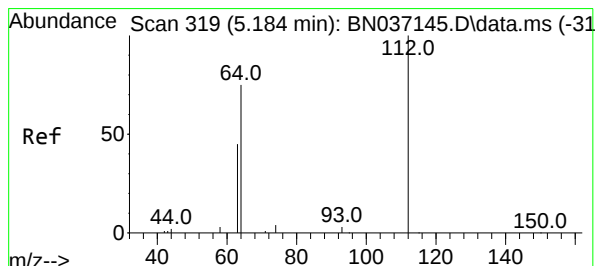
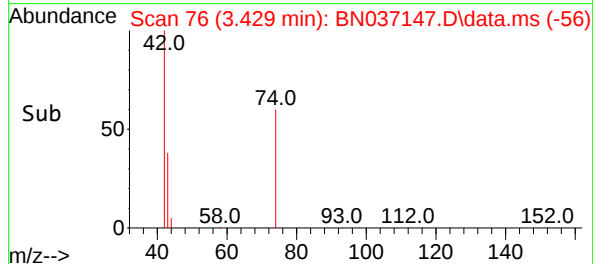
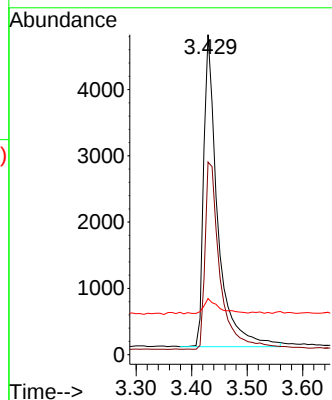
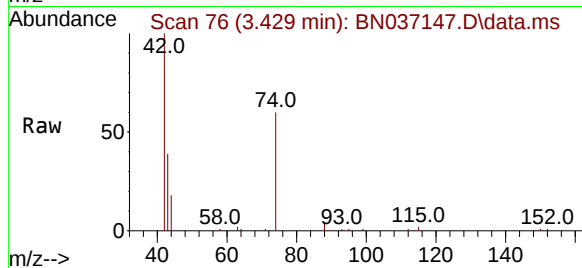




#3
n-Nitrosodimethylamine
Concen: 1.738 ng
RT: 3.429 min Scan# 70
Delta R.T. -0.007 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

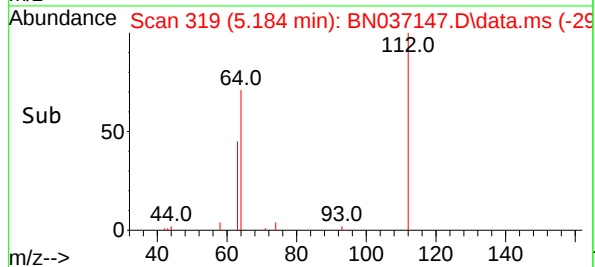
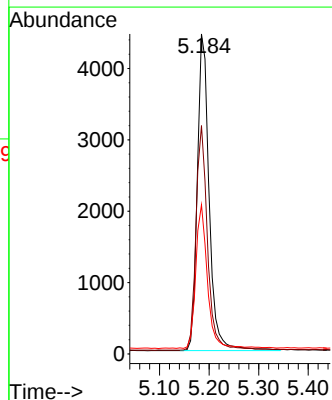
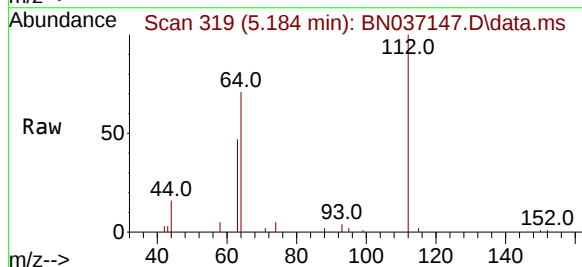
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

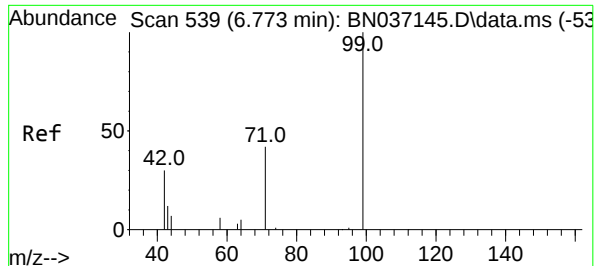
Tgt Ion: 42 Resp: 8276
Ion Ratio Lower Upper
42 100
74 64.1 53.0 79.4
44 5.2 5.9 8.9#



#4
2-Fluorophenol
Concen: 1.676 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion: 112 Resp: 7371
Ion Ratio Lower Upper
112 100
64 69.5 56.3 84.5
63 44.8 36.2 54.4

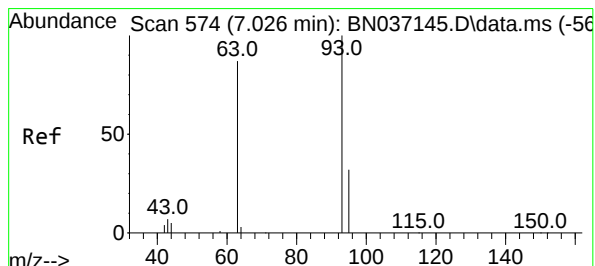
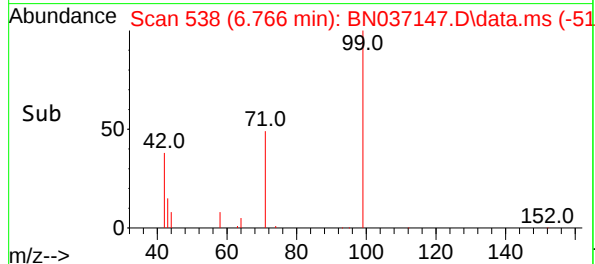
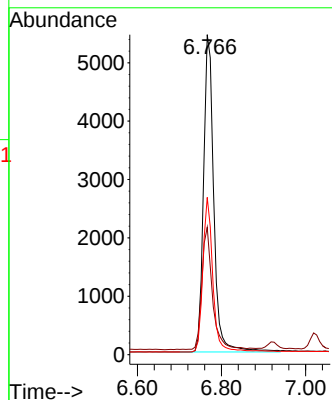
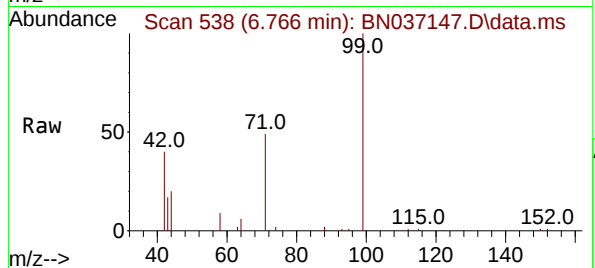




#5
Phenol-d6
Concen: 1.726 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

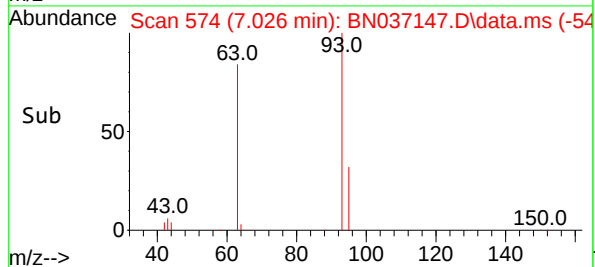
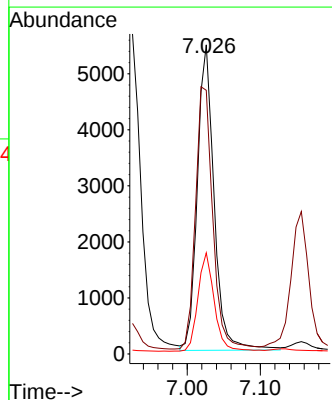
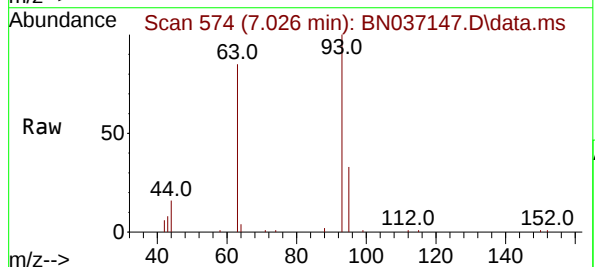
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

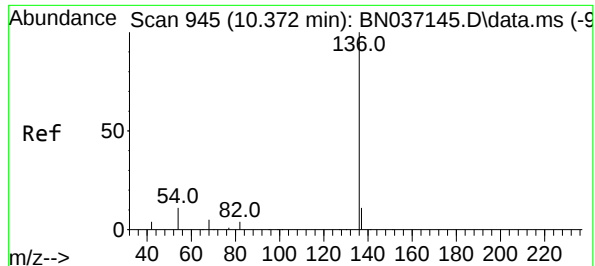
Tgt Ion: 99 Resp: 9203
Ion Ratio Lower Upper
99 100
42 39.7 31.3 46.9
71 47.7 38.2 57.2



#6
bis(2-Chloroethyl)ether
Concen: 1.711 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion: 93 Resp: 8706
Ion Ratio Lower Upper
93 100
63 88.1 68.6 103.0
95 31.3 24.3 36.5

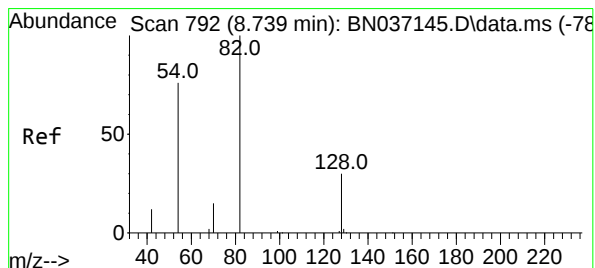
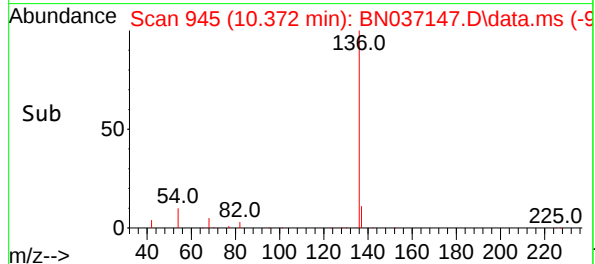
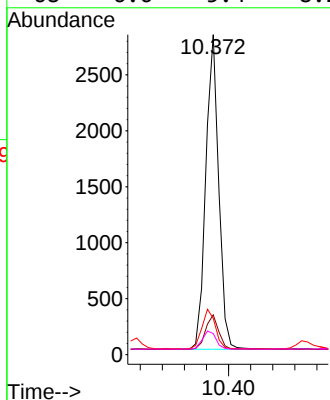
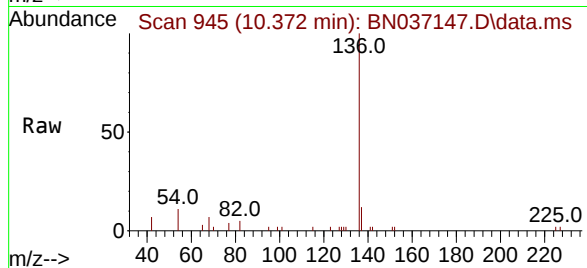




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

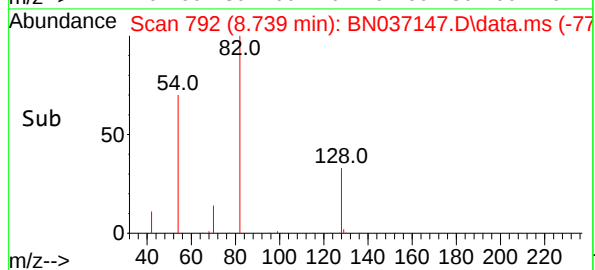
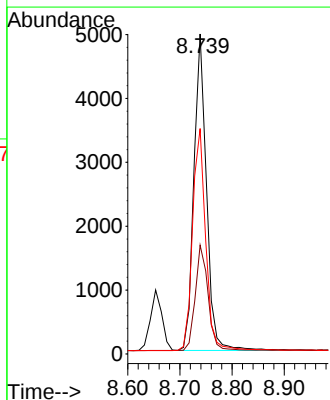
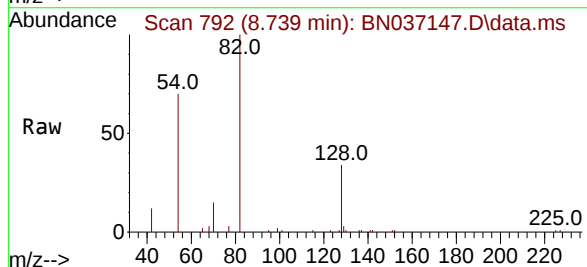
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

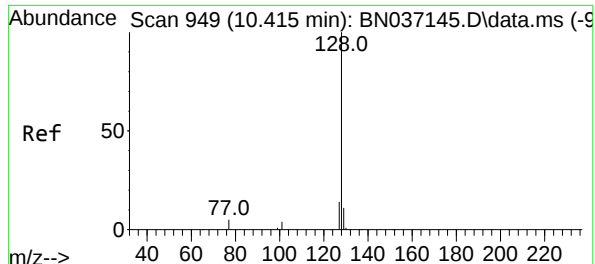
Tgt Ion:	136	Resp:	4585
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	11.3	9.7	14.5
68	6.6	5.4	8.2



#8
Nitrobenzene-d5
Concen: 1.724 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:	82	Resp:	8338
Ion	Ratio	Lower	Upper
82	100		
128	34.0	26.9	40.3
54	70.4	61.4	92.2

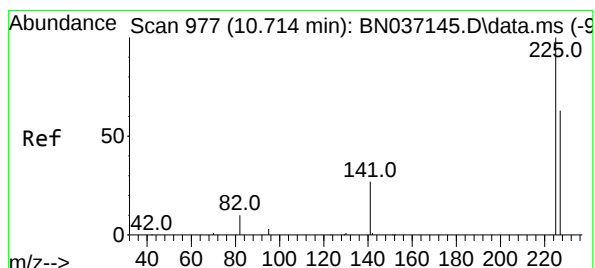
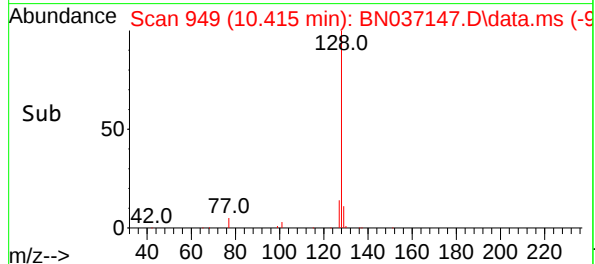
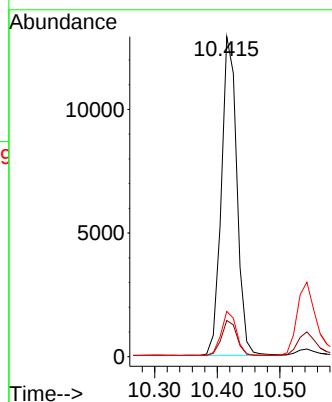
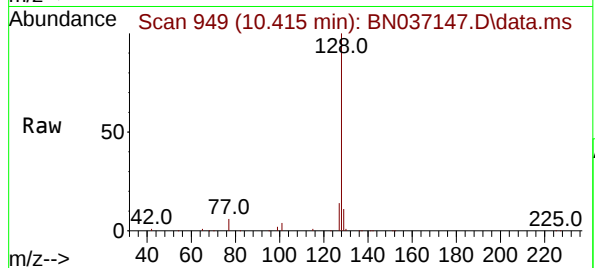




#9
Naphthalene
Concen: 1.685 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

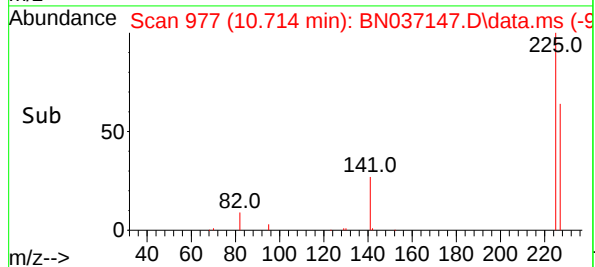
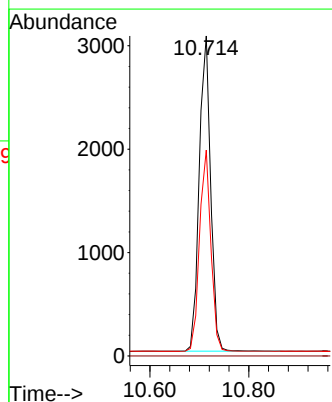
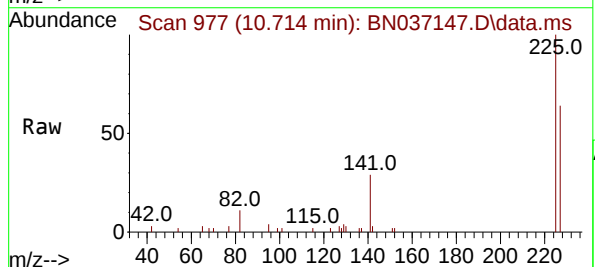
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

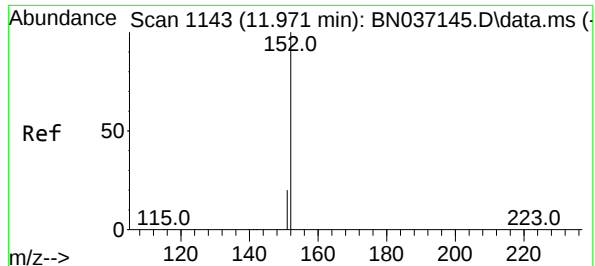
Tgt Ion:128 Resp: 22289
Ion Ratio Lower Upper
128 100
129 11.3 9.8 14.8
127 14.1 12.3 18.5



#10
Hexachlorobutadiene
Concen: 1.694 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:225 Resp: 4883
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.4 50.3 75.5

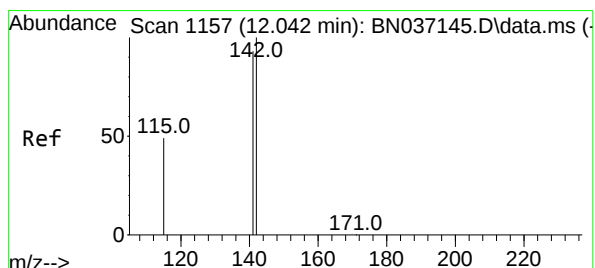
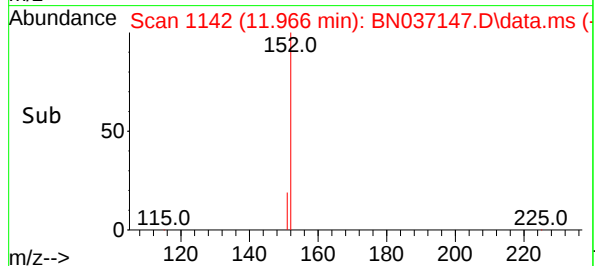
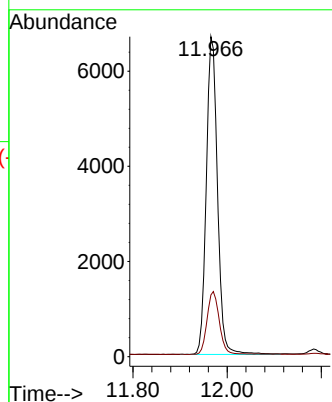
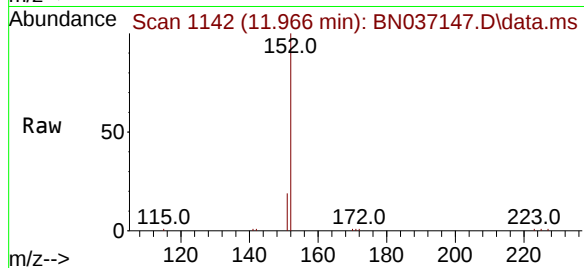




#11
2-Methylnaphthalene-d10
Concen: 1.719 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

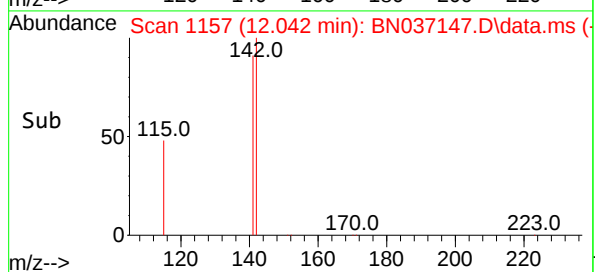
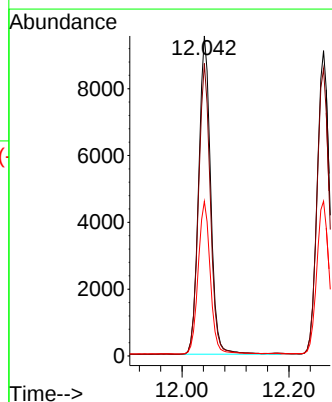
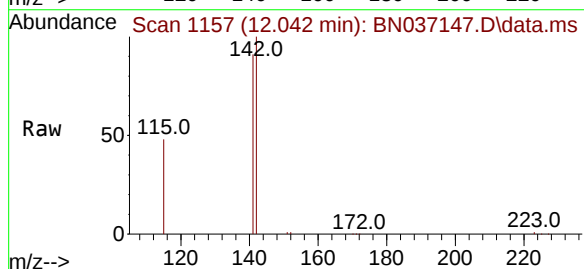
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

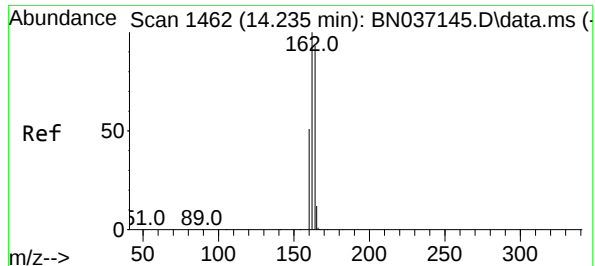
Tgt Ion:152 Resp: 10971
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



#12
2-Methylnaphthalene
Concen: 1.750 ng
RT: 12.042 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:142 Resp: 14834
Ion Ratio Lower Upper
142 100
141 91.4 74.6 111.8
115 48.3 41.0 61.4

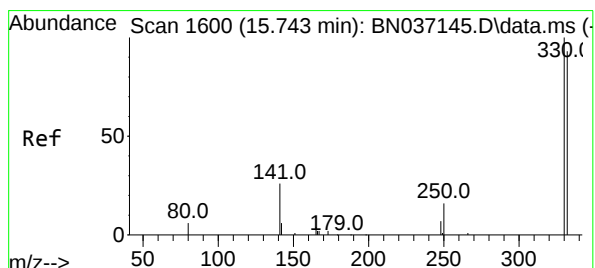
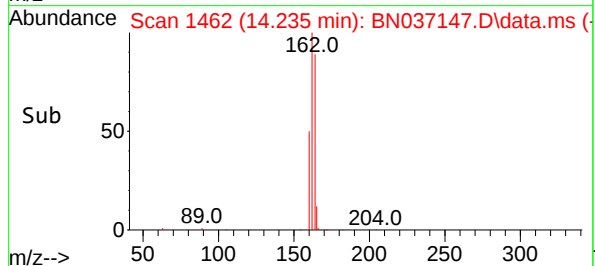
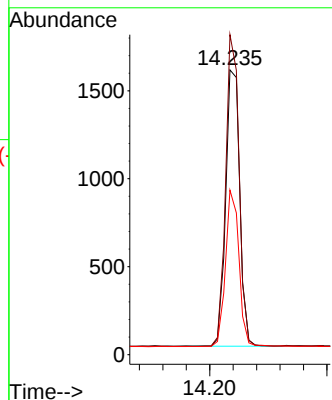
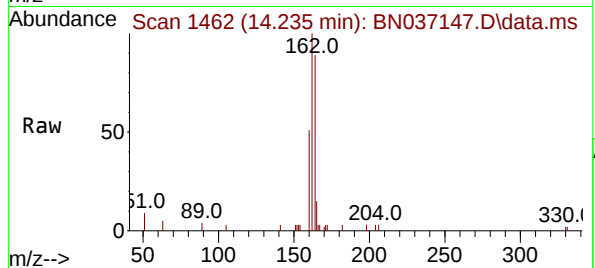




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

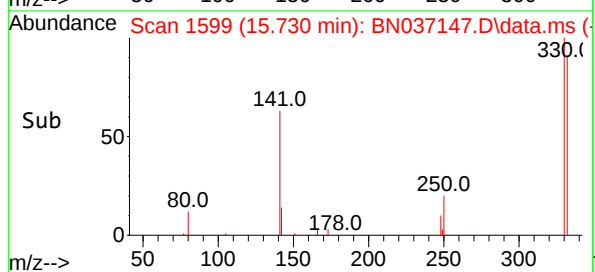
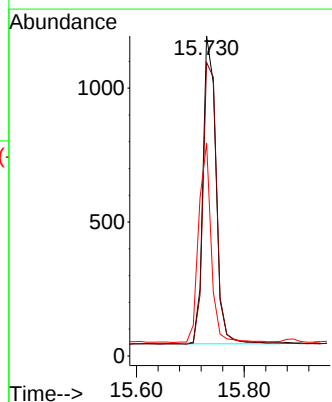
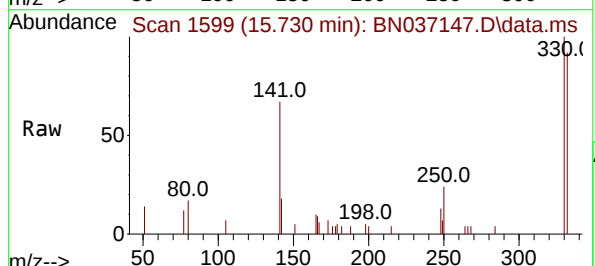
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

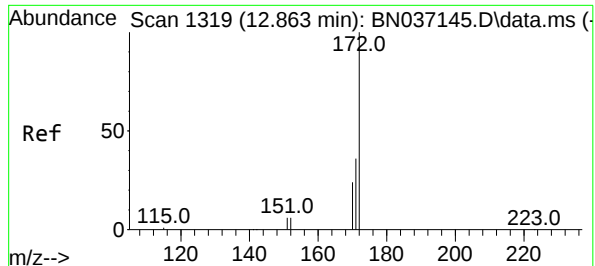
Tgt Ion:164 Resp: 2603
Ion Ratio Lower Upper
164 100
162 112.4 85.5 128.3
160 57.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 1.842 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:330 Resp: 1930
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 62.6 46.4 69.6

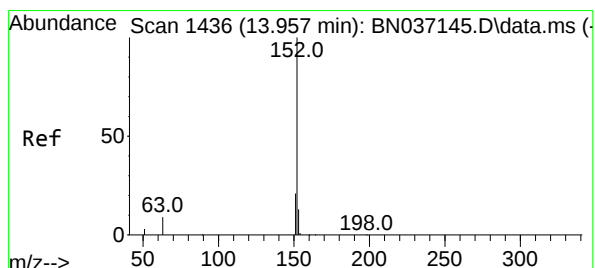
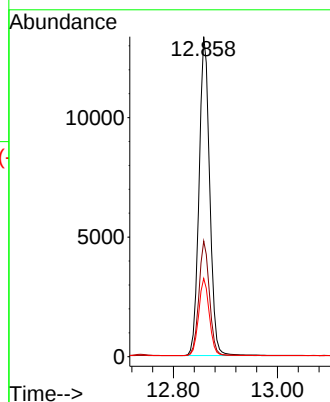
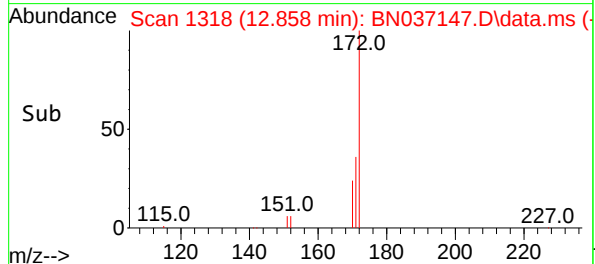
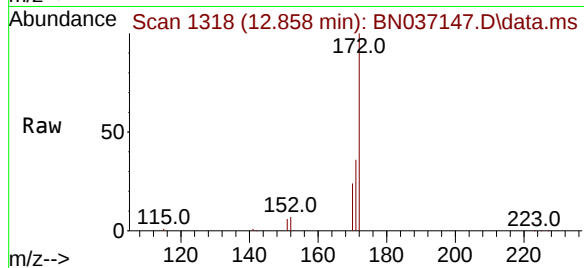




#15
2-Fluorobiphenyl
Concen: 1.702 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

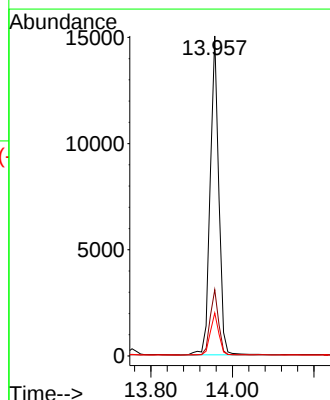
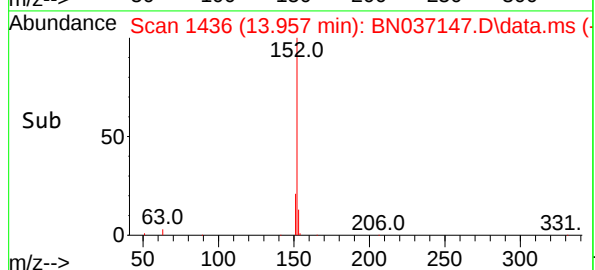
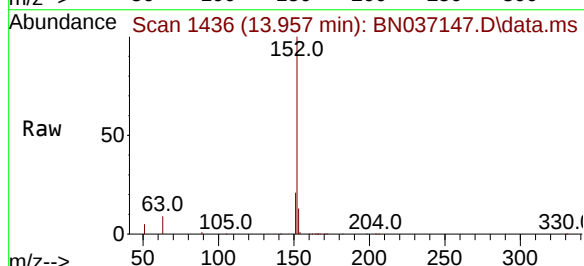
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

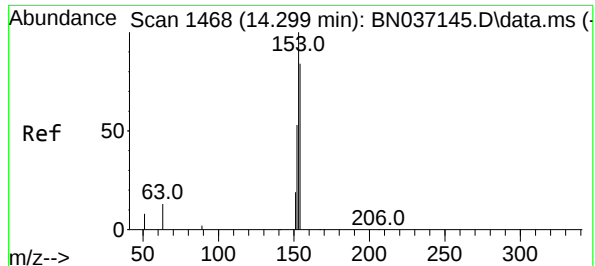
Tgt Ion:172 Resp: 18891
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.5 20.3 30.5



#16
Acenaphthylene
Concen: 1.723 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:152 Resp: 21986
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.0 10.6 15.8

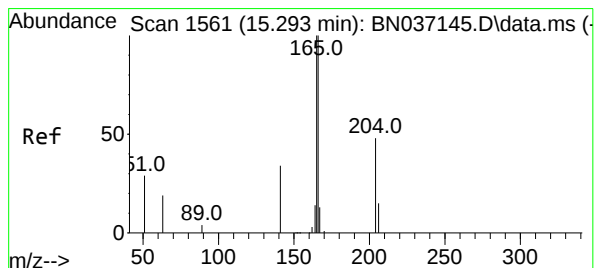
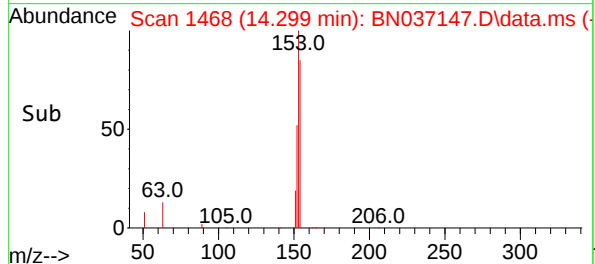
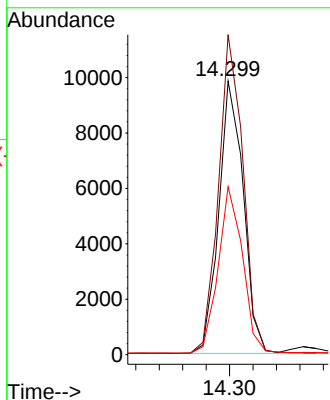
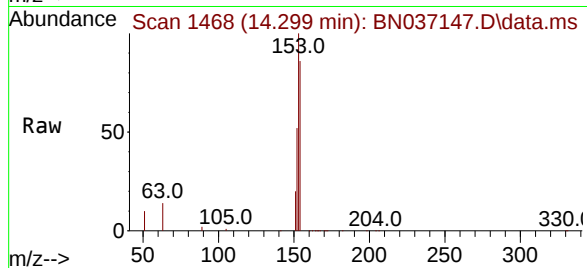




#17
Acenaphthene
Concen: 1.722 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

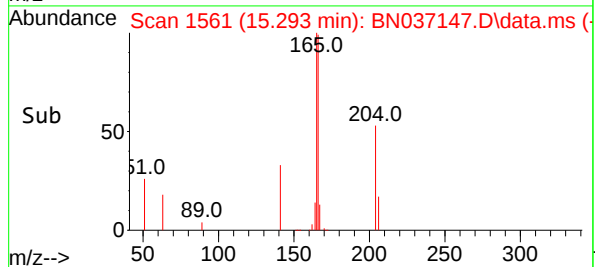
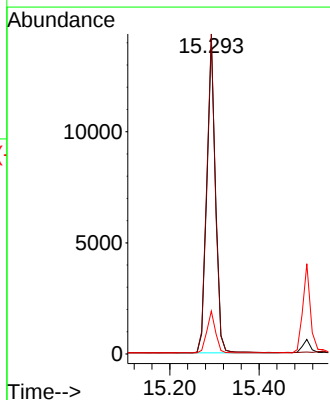
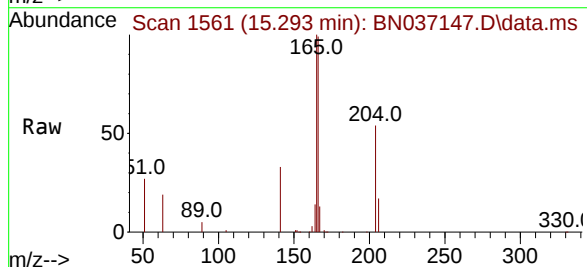
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

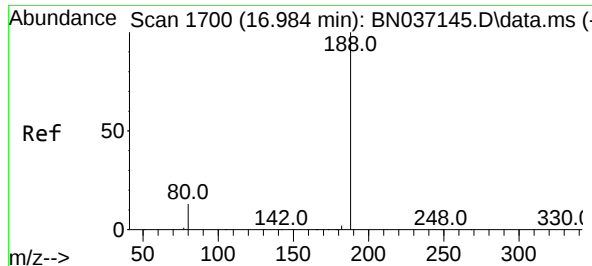
Tgt Ion:154 Resp: 14266
Ion Ratio Lower Upper
154 100
153 117.1 93.8 140.8
152 61.2 50.5 75.7



#18
Fluorene
Concen: 1.742 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:166 Resp: 18976
Ion Ratio Lower Upper
166 100
165 101.0 81.1 121.7
167 13.2 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

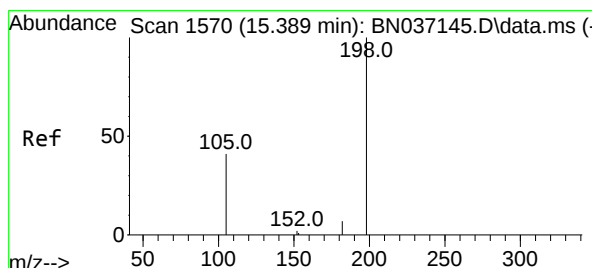
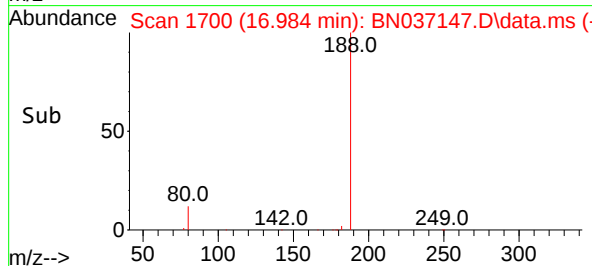
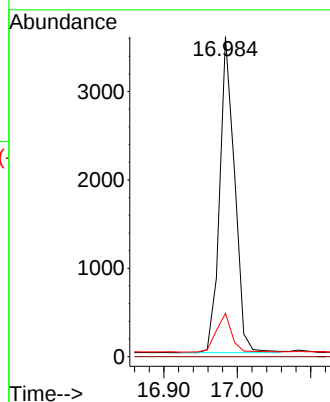
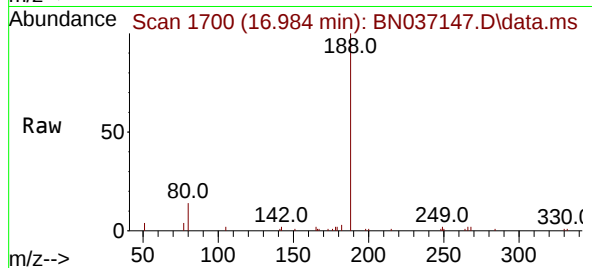
Tgt Ion:188 Resp: 5057

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.6 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 1.502 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

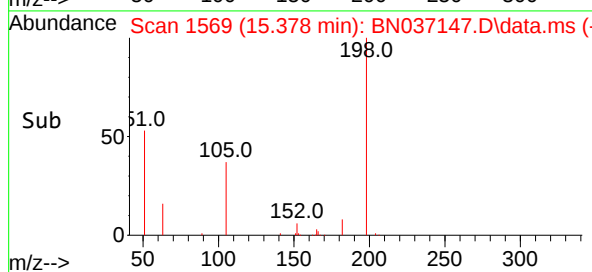
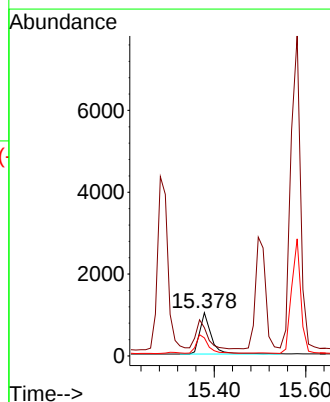
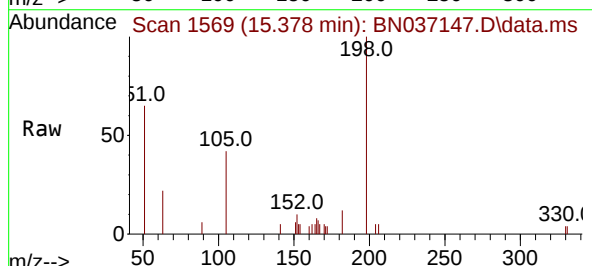
Tgt Ion:198 Resp: 1819

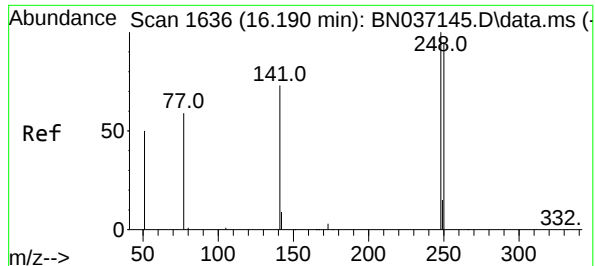
Ion Ratio Lower Upper

198 100

51 65.5 125.2 187.8#

105 42.0 57.1 85.7#

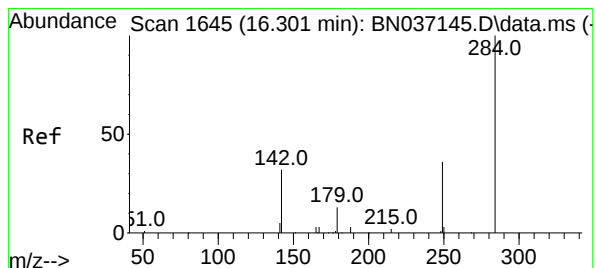
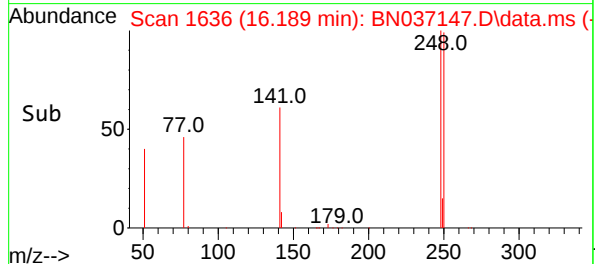
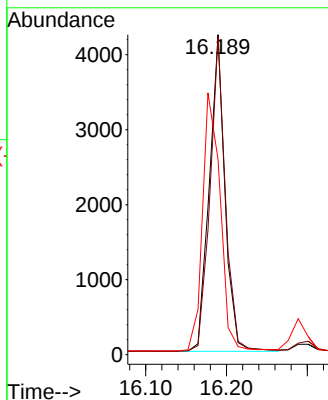
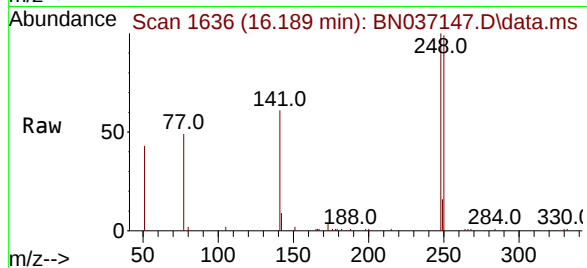




#21
4-Bromophenyl-phenylether
Concen: 1.717 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

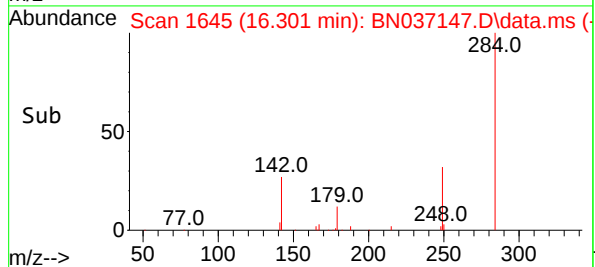
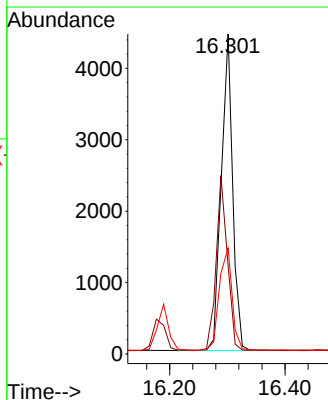
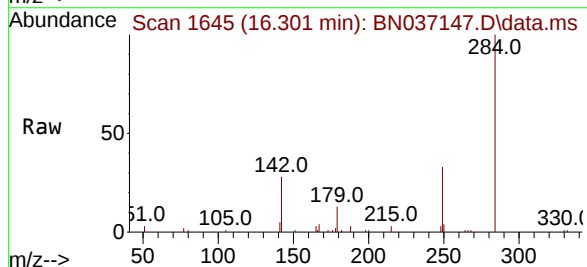
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

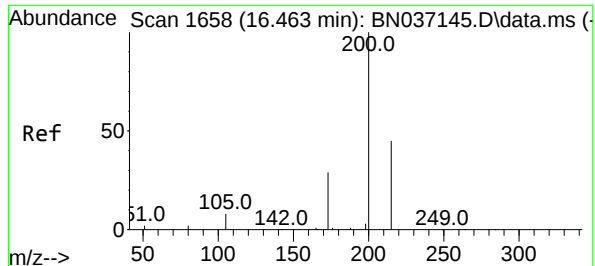
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.4	76.1	114.1
141	61.1	60.1	90.1



#22
Hexachlorobenzene
Concen: 1.703 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	54.4	44.0	66.0
249	35.9	29.7	44.5

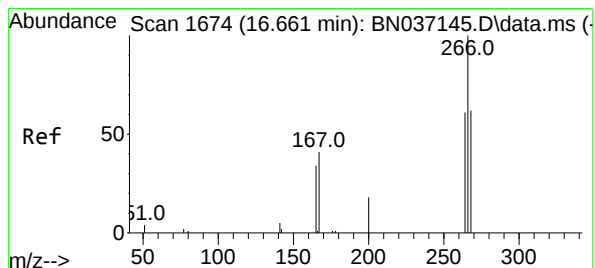
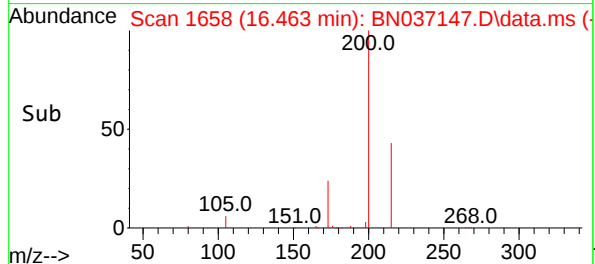
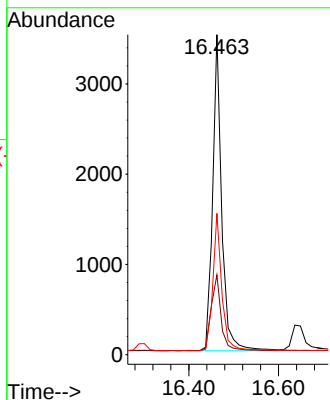
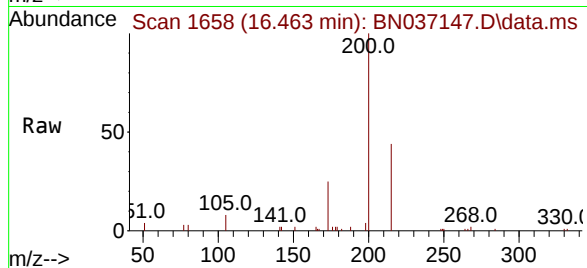




#23
Atrazine
Concen: 1.778 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

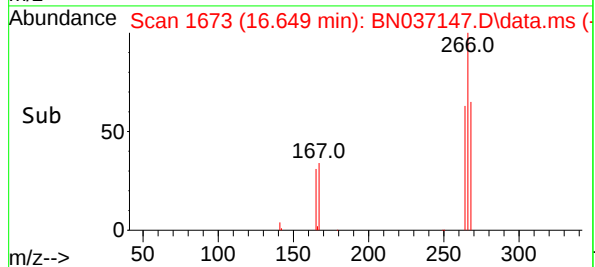
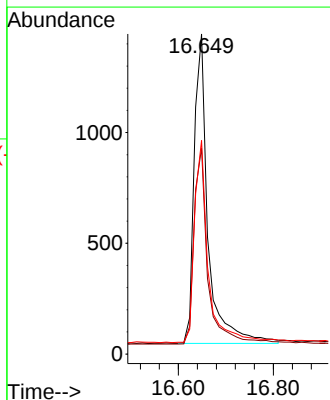
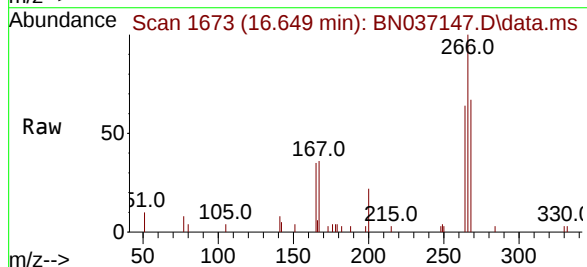
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

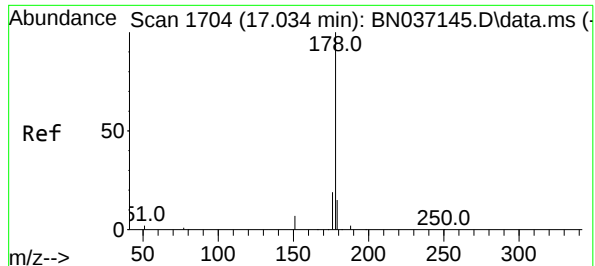
Tgt Ion:200 Resp: 4865
Ion Ratio Lower Upper
200 100
173 25.0 28.1 42.1#
215 44.1 39.3 58.9



#24
Pentachlorophenol
Concen: 1.535 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:266 Resp: 2828
Ion Ratio Lower Upper
266 100
264 63.4 49.3 73.9
268 64.9 49.0 73.4

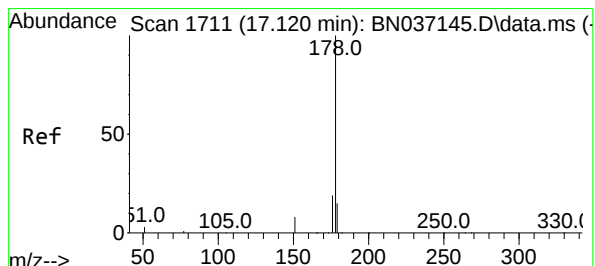
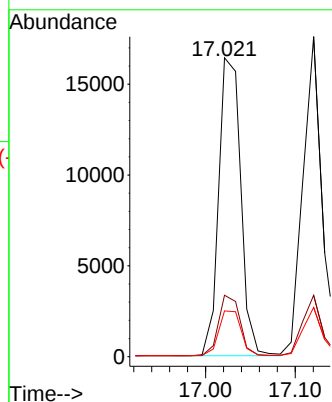
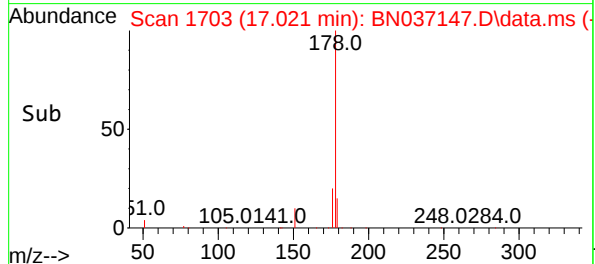
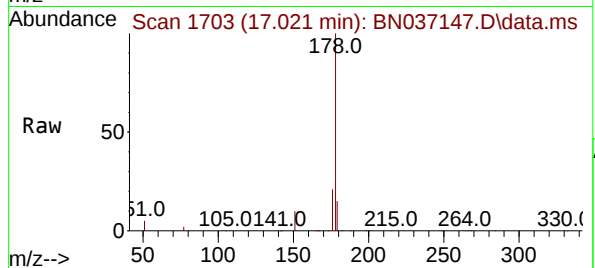




#25
Phenanthrene
Concen: 1.711 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

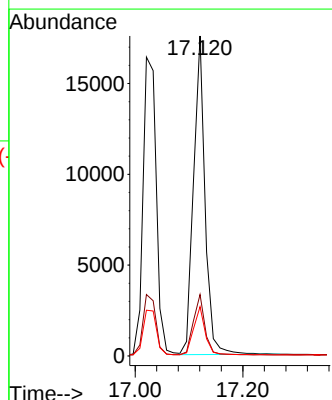
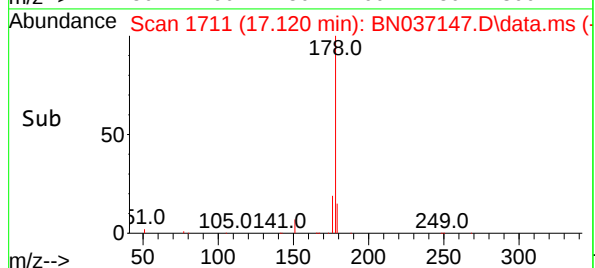
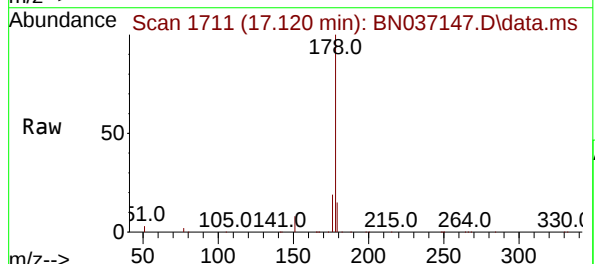
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

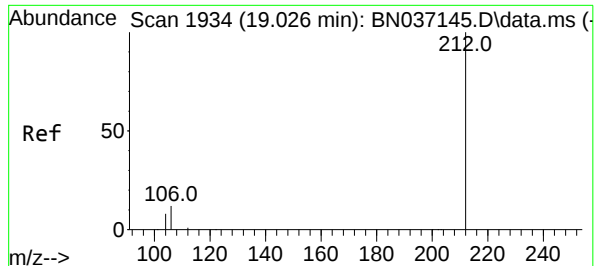
Tgt Ion:178 Resp: 28034
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.2 12.3 18.5



#26
Anthracene
Concen: 1.751 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:178 Resp: 26183
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.2 12.9 19.3





#27

Fluoranthene-d10

Concen: 1.720 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

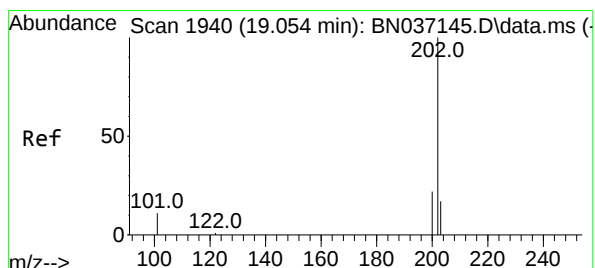
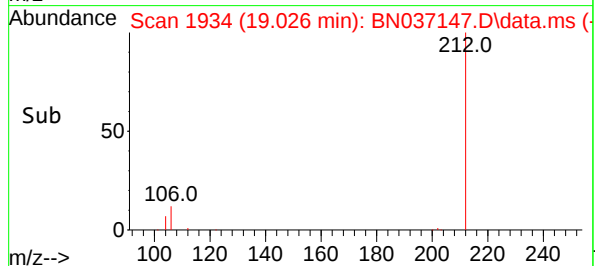
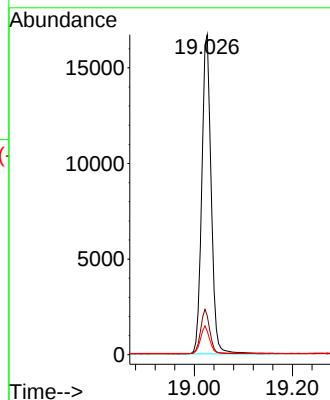
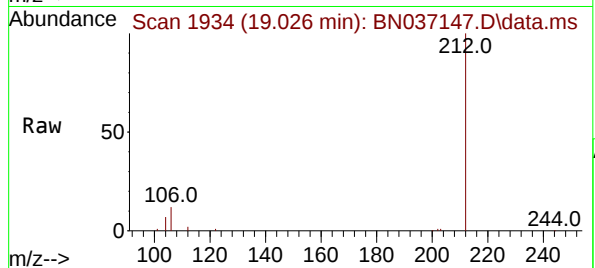
Tgt Ion:212 Resp: 22095

Ion Ratio Lower Upper

212 100

106 13.5 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 1.765 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

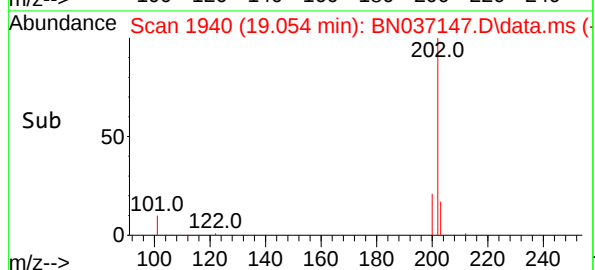
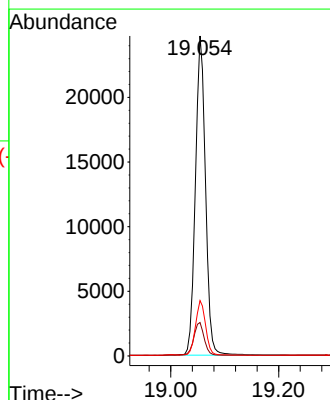
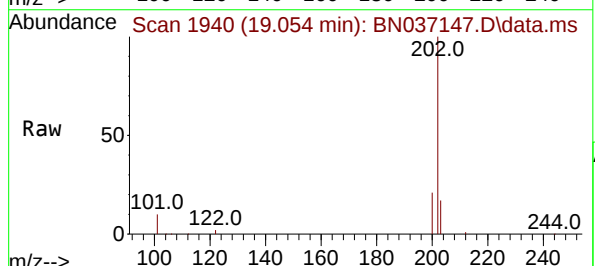
Tgt Ion:202 Resp: 31942

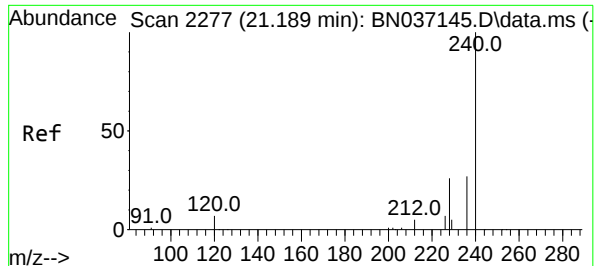
Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

203 16.9 13.5 20.3

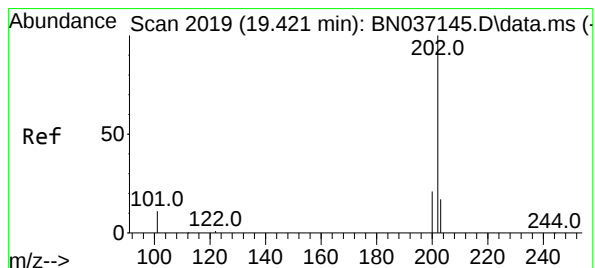
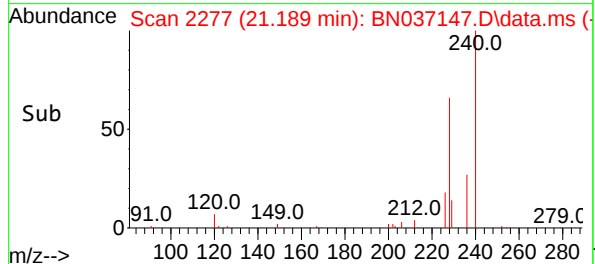
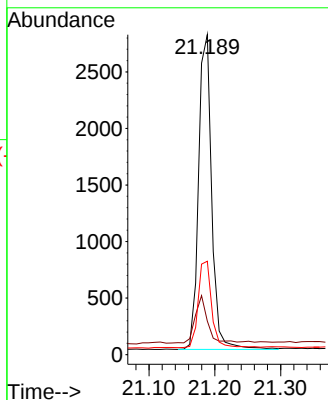
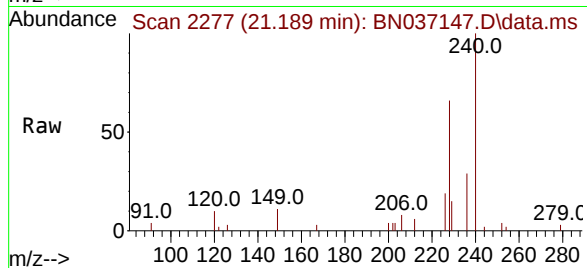




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

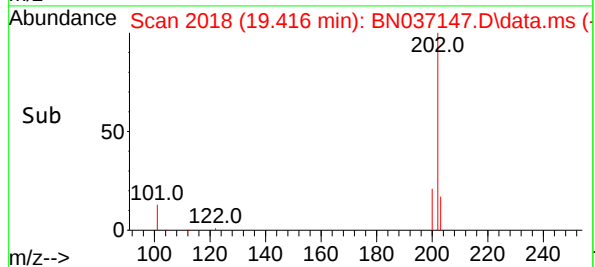
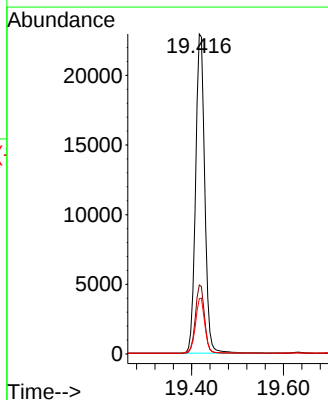
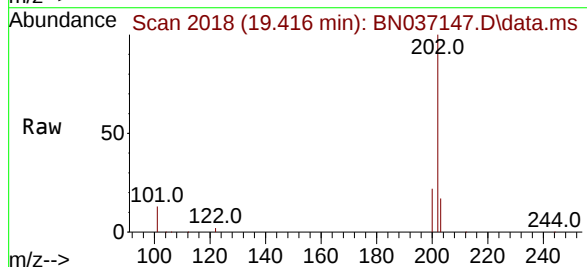
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

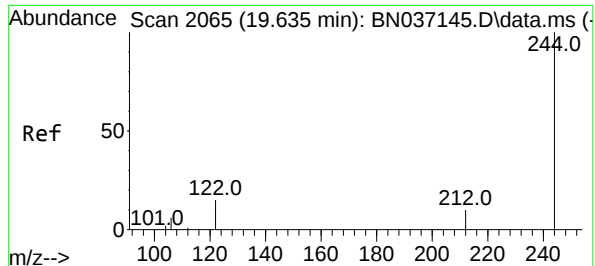
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.4
236	29.2	23.0	34.4



#30
Pyrene
Concen: 1.678 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

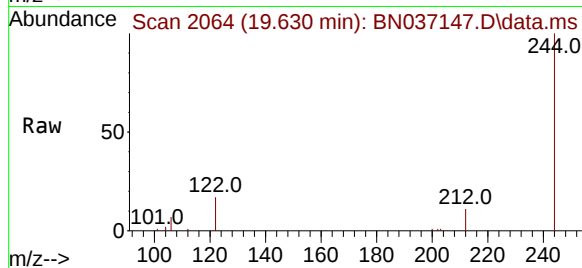
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.6	14.2	21.4



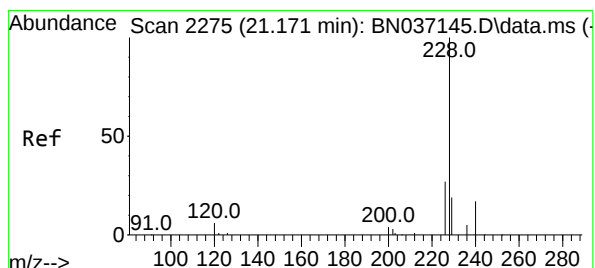
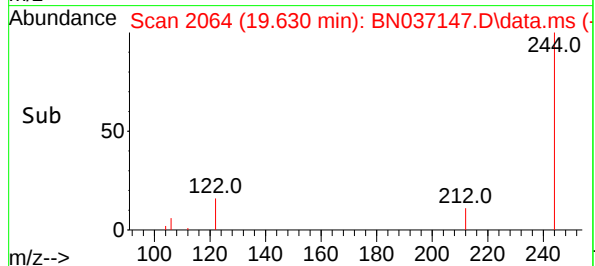
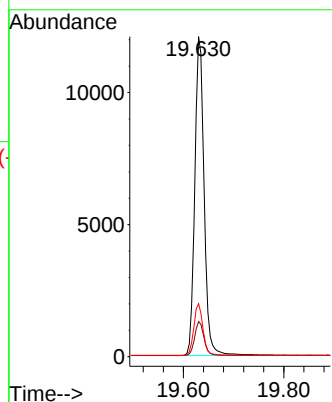


#31
Terphenyl-d14
Concen: 1.710 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

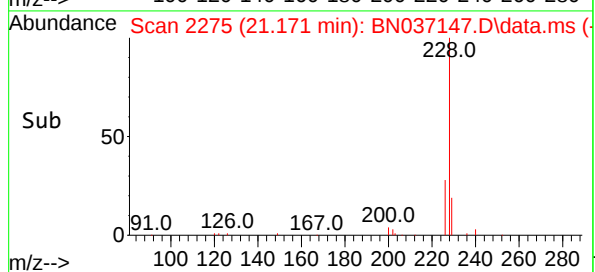
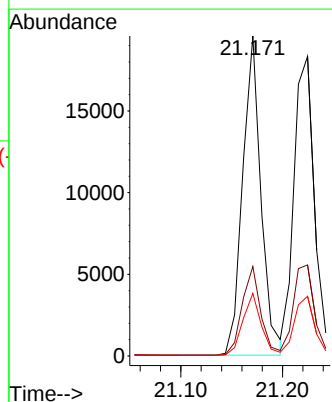
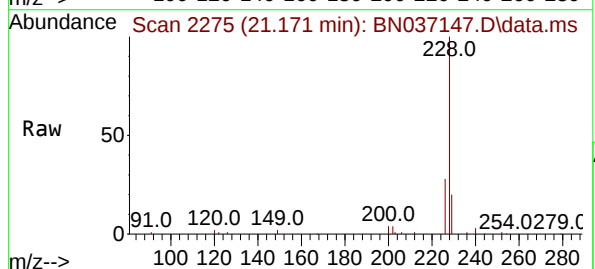


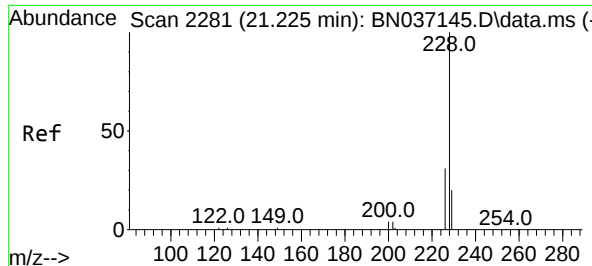
Tgt Ion:244 Resp: 15589
Ion Ratio Lower Upper
244 100
212 11.0 10.0 15.0
122 16.5 13.2 19.8



#32
Benzo(a)anthracene
Concen: 1.748 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Tgt Ion:228 Resp: 24513
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 19.6 16.2 24.2





#33

Chrysene

Concen: 1.685 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

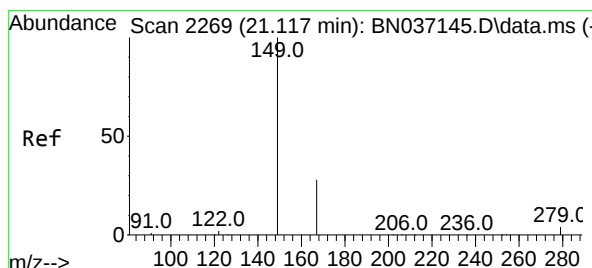
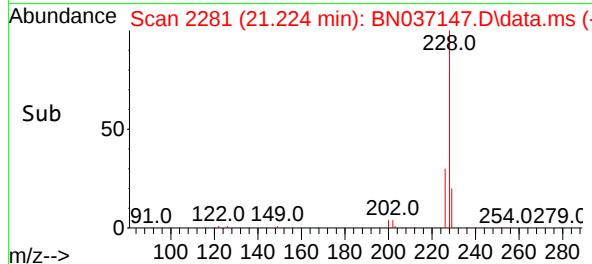
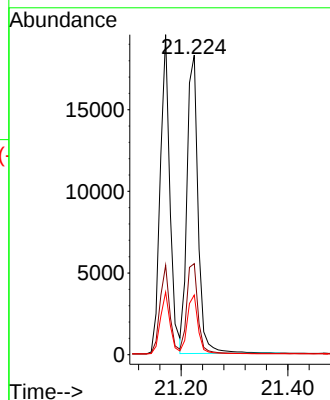
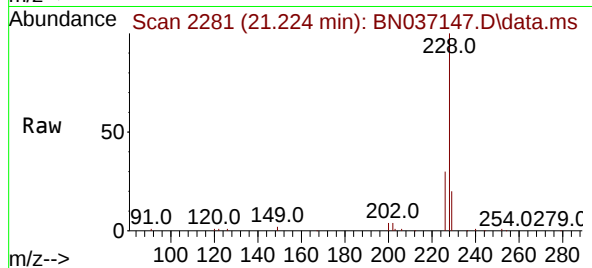
Tgt Ion:228 Resp: 26306

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

229 19.9 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.674 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

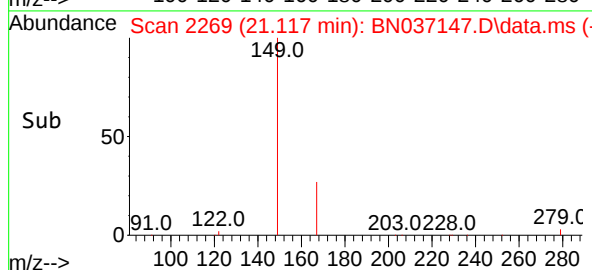
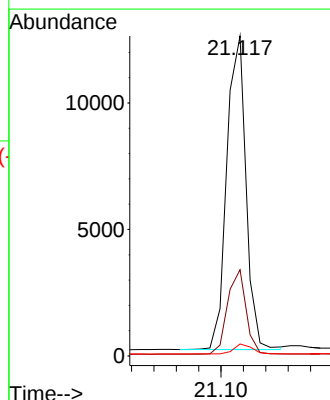
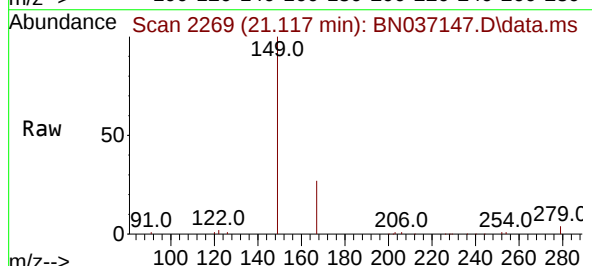
Tgt Ion:149 Resp: 14807

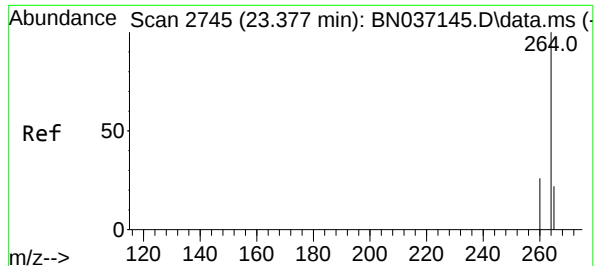
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037147.D

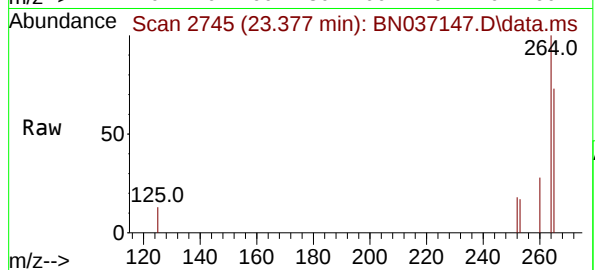
Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



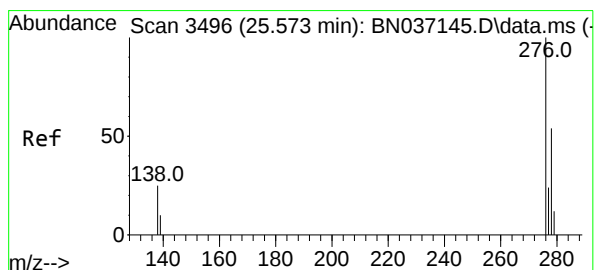
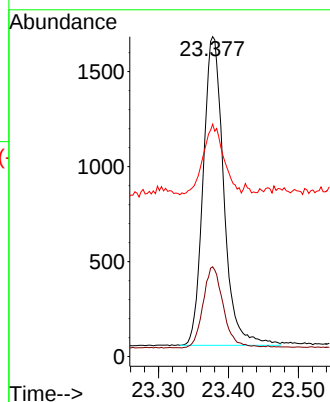
Tgt Ion:264 Resp: 3320

Ion	Ratio	Lower	Upper
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264	100		
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260	28.1	22.1	33.1
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265	72.6	55.8	83.8
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#36

Indeno(1,2,3-cd)pyrene

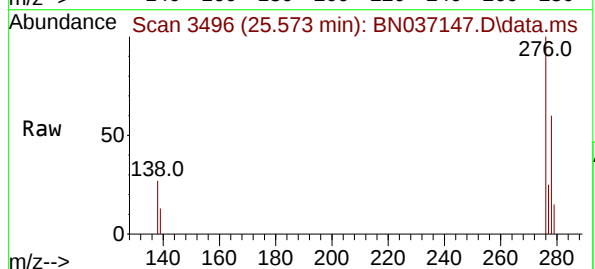
Concen: 1.704 ng

RT: 25.573 min Scan# 3496

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02



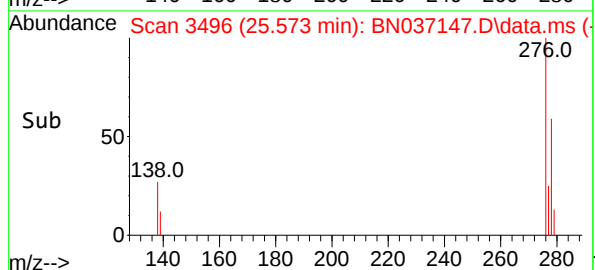
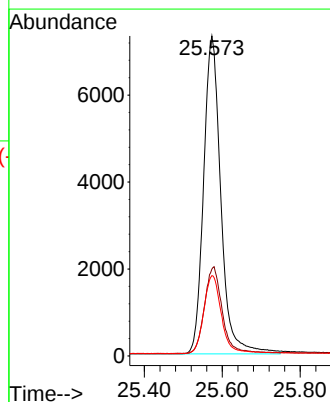
Tgt Ion:276 Resp: 22504

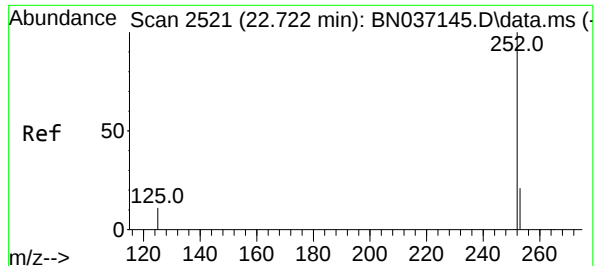
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

276	100		
-----	-----	--	--

138	27.8	21.0	31.6
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277	25.1	19.4	29.2
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#37

Benzo(b)fluoranthene

Concen: 1.747 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

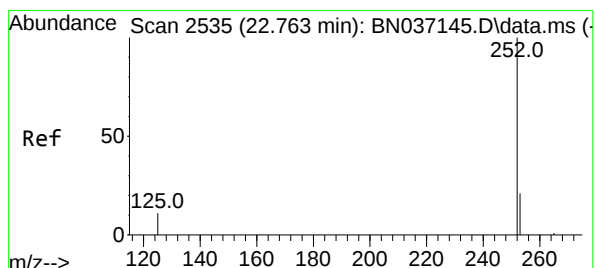
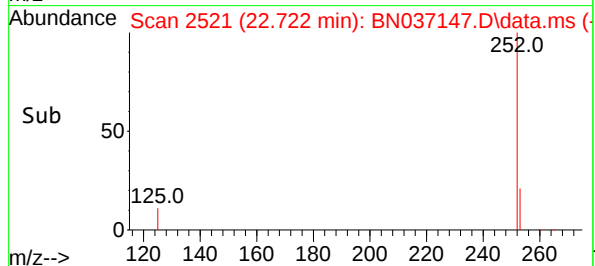
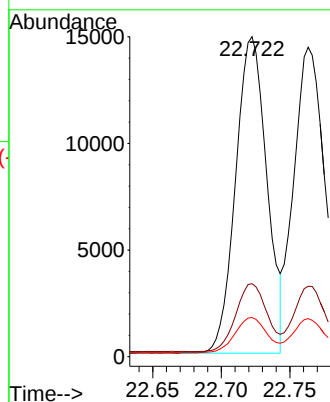
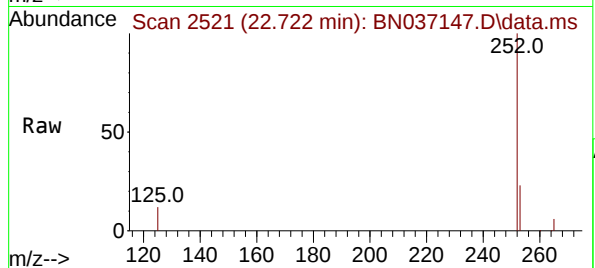
Tgt Ion:252 Resp: 23418

Ion Ratio Lower Upper

252 100

253 22.8 22.3 33.5

125 12.3 13.2 19.8#



#38

Benzo(k)fluoranthene

Concen: 1.725 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

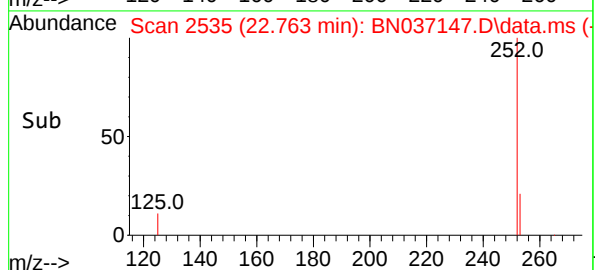
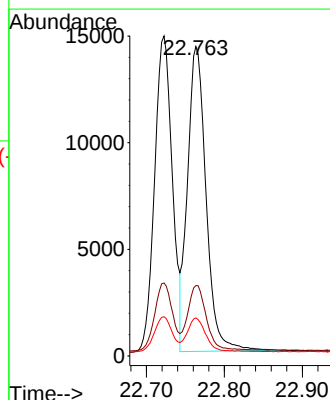
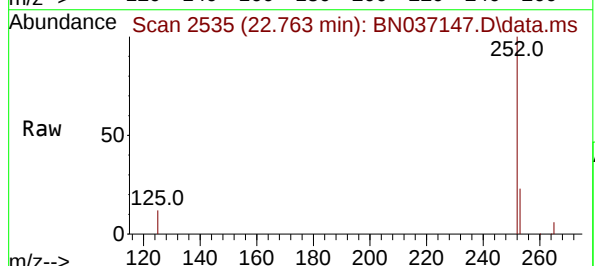
Tgt Ion:252 Resp: 23602

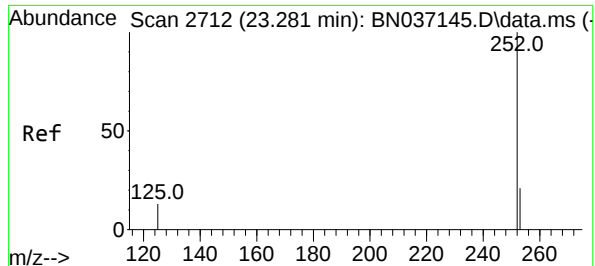
Ion Ratio Lower Upper

252 100

253 22.8 22.2 33.4

125 12.3 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 1.716 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037147.D

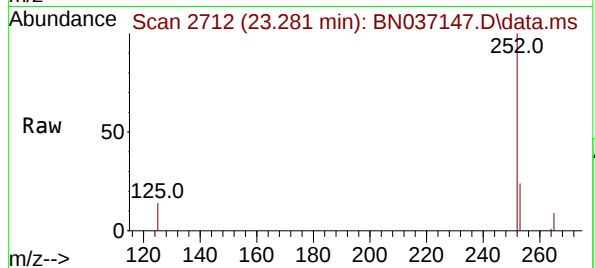
Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



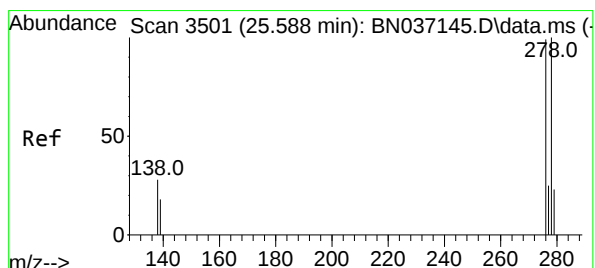
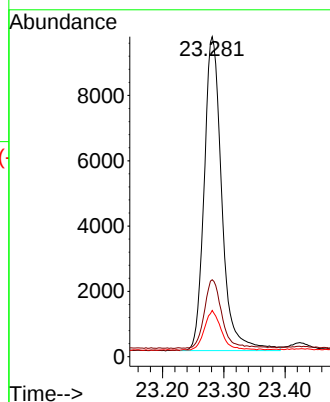
Tgt Ion:252 Resp: 19265

Ion Ratio Lower Upper

252 100

253 24.1 25.0 37.4#

125 14.4 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 1.738 ng

RT: 25.588 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

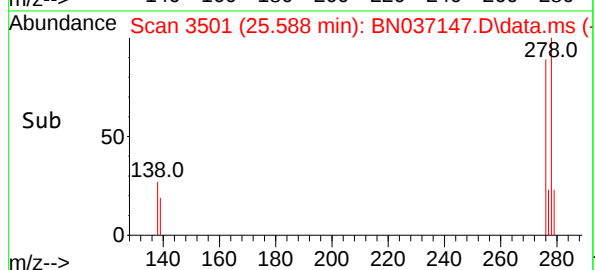
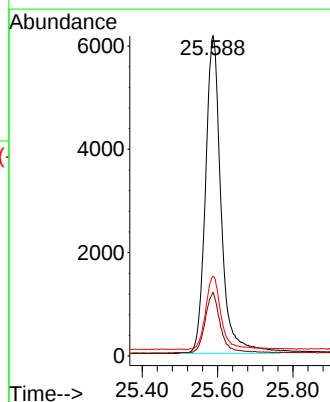
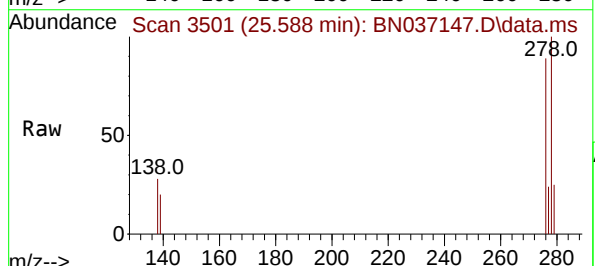
Tgt Ion:278 Resp: 17700

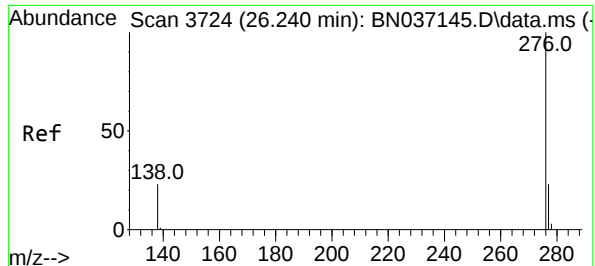
Ion Ratio Lower Upper

278 100

139 19.9 17.6 26.4

279 24.9 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 1.677 ng

RT: 26.243 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037147.D

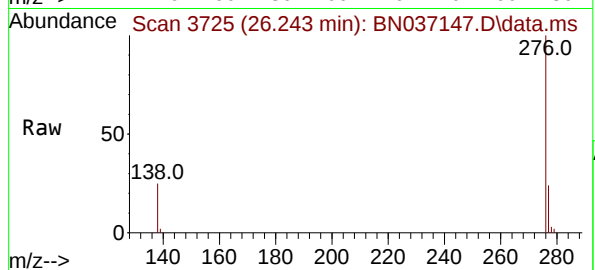
Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



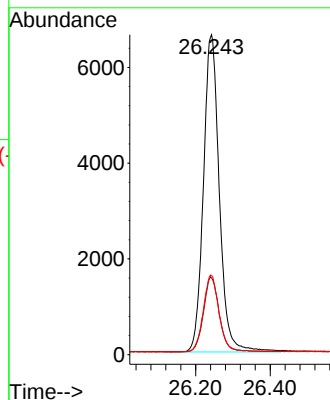
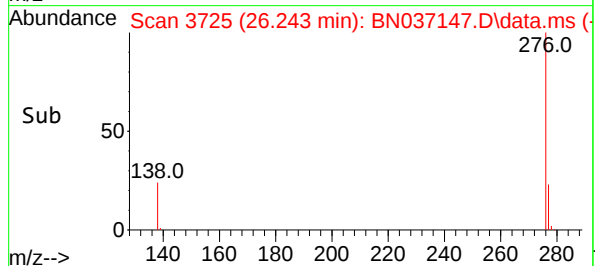
Tgt Ion:276 Resp: 19619

Ion Ratio Lower Upper

276 100

277 24.0 20.9 31.3

138 24.7 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037148.D
 Acq On : 03 Jun 2025 14:38
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Jun 04 01:43:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

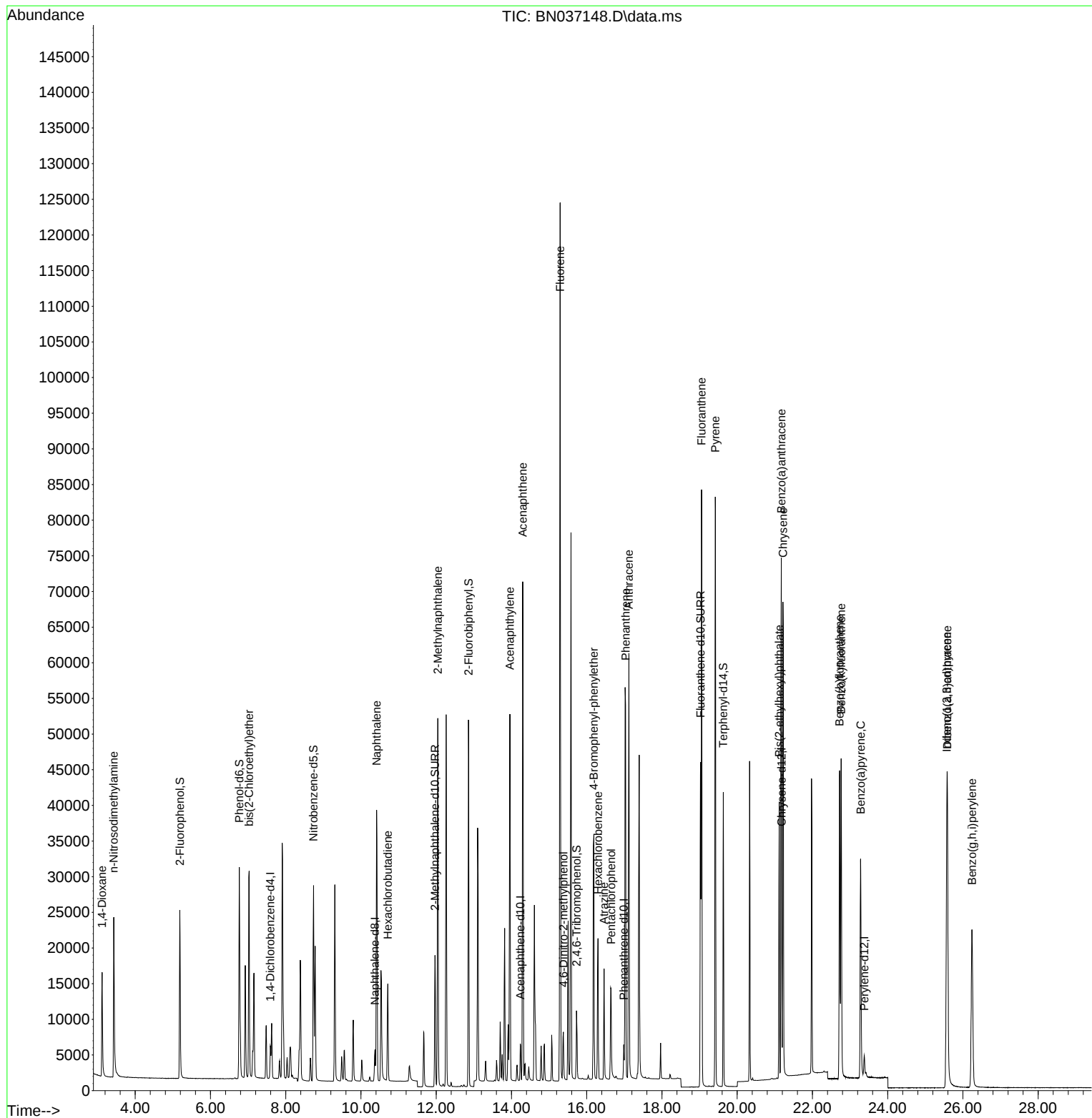
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2082	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5272	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	3042	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5757	0.400	ng	0.00
29) Chrysene-d12	21.180	240	4564	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3760	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	16397	3.185	ng	0.00
5) Phenol-d6	6.766	99	21011	3.367	ng	0.00
8) Nitrobenzene-d5	8.739	82	18977	3.412	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	24344	3.317	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	4423	3.611	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	41512	3.201	ng	0.00
27) Fluoranthene-d10	19.026	212	49341	3.373	ng	0.00
31) Terphenyl-d14	19.630	244	34773	3.237	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	7944	2.862	ng	97
3) n-Nitrosodimethylamine	3.429	42	17675	3.172	ng	# 98
6) bis(2-Chloroethyl)ether	7.026	93	19085	3.205	ng	96
9) Naphthalene	10.415	128	49155	3.232	ng	97
10) Hexachlorobutadiene	10.714	225	10373	3.131	ng	# 99
12) 2-Methylnaphthalene	12.041	142	33014	3.386	ng	96
16) Acenaphthylene	13.956	152	49883	3.345	ng	99
17) Acenaphthene	14.299	154	31857	3.290	ng	98
18) Fluorene	15.293	166	42258	3.320	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	4695	3.058	ng	# 35
21) 4-Bromophenyl-phenylether	16.189	248	12710	3.369	ng	# 89
22) Hexachlorobenzene	16.301	284	13101	3.217	ng	98
23) Atrazine	16.462	200	10979	3.524	ng	# 87
24) Pentachlorophenol	16.649	266	7055	3.108	ng	98
25) Phenanthrene	17.033	178	62481	3.350	ng	100
26) Anthracene	17.120	178	59394	3.490	ng	99
28) Fluoranthene	19.054	202	72004	3.495	ng	100
30) Pyrene	19.416	202	71397	3.205	ng	100
32) Benzo(a)anthracene	21.171	228	56691	3.431	ng	98
33) Chrysene	21.215	228	57833	3.144	ng	98
34) Bis(2-ethylhexyl)phtha...	21.117	149	33369	3.201	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.573	276	50327	3.364	ng	97
37) Benzo(b)fluoranthene	22.722	252	51531	3.395	ng	# 89
38) Benzo(k)fluoranthene	22.763	252	52430	3.384	ng	# 89
39) Benzo(a)pyrene	23.281	252	42893	3.374	ng	# 84
40) Dibenzo(a,h)anthracene	25.587	278	40079	3.474	ng	# 89
41) Benzo(g,h,i)perylene	26.239	276	42842	3.233	ng	96

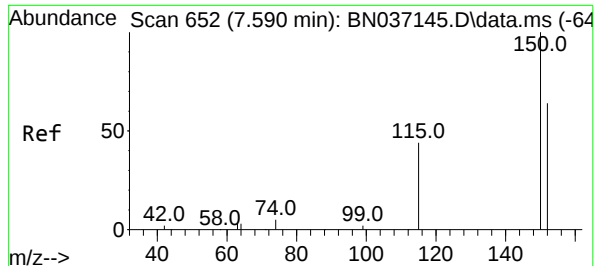
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037148.D
Acq On : 03 Jun 2025 14:38
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

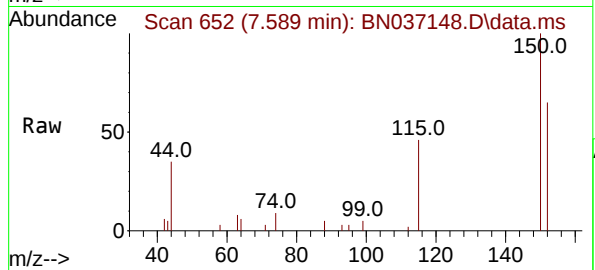
Quant Time: Jun 04 01:43:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration





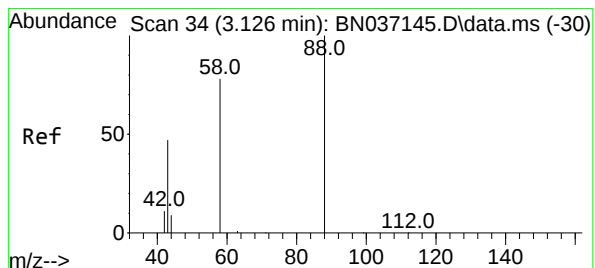
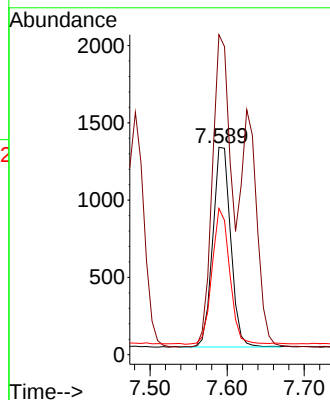
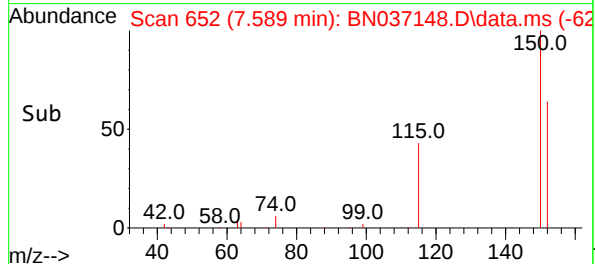
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2



Tgt Ion:152 Resp: 2082

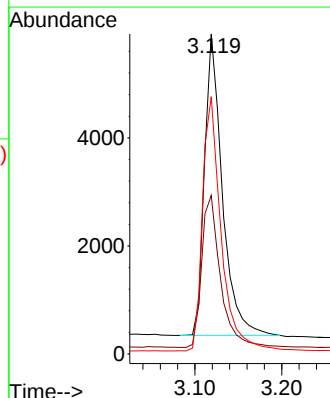
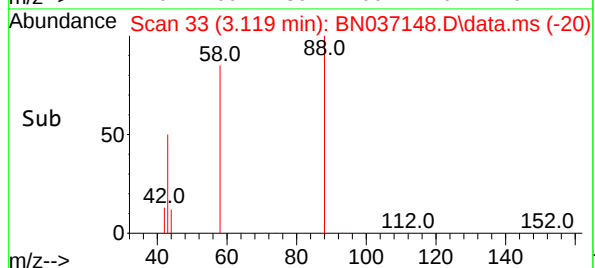
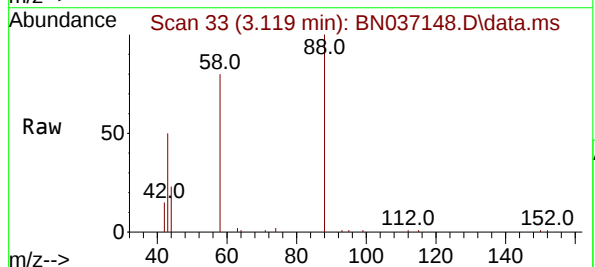
Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.2	184.8
115	70.5	56.6	85.0

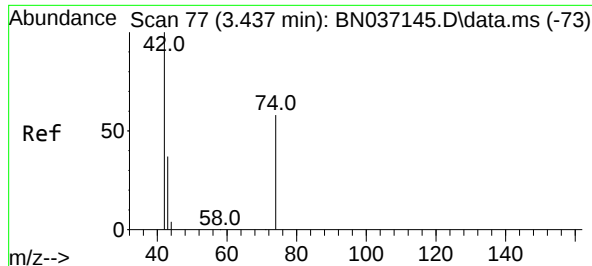


#2
1,4-Dioxane
Concen: 2.862 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion: 88 Resp: 7944

Ion	Ratio	Lower	Upper
88	100		
43	53.4	43.5	65.3
58	88.6	67.7	101.5

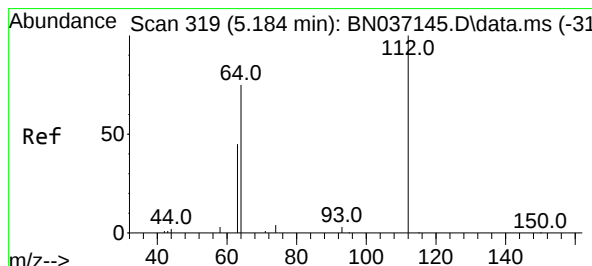
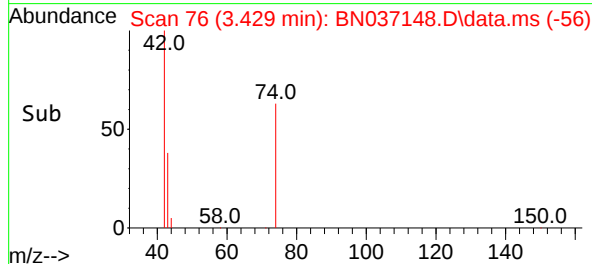
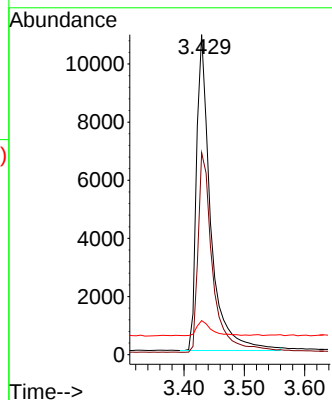
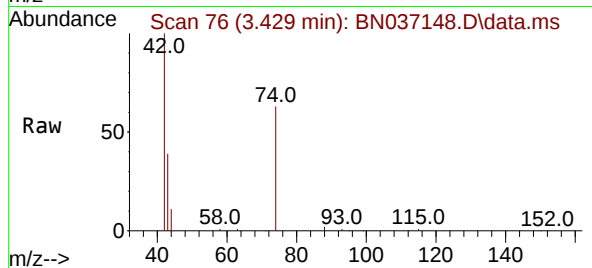




#3
n-Nitrosodimethylamine
Concen: 3.172 ng
RT: 3.429 min Scan# 70
Delta R.T. -0.007 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

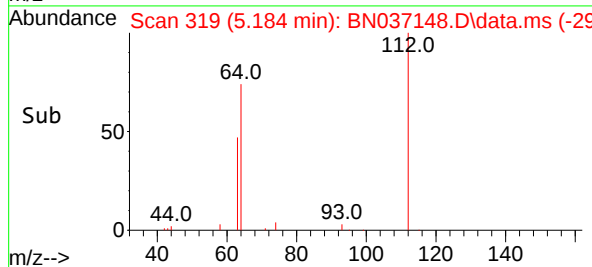
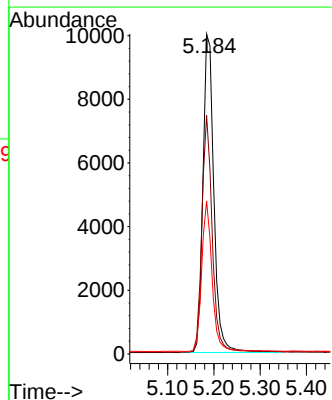
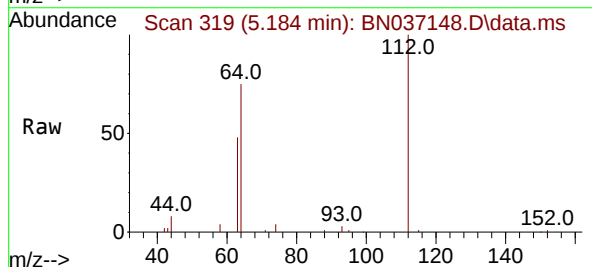
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

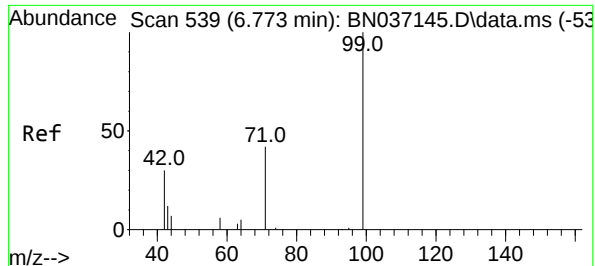
Tgt Ion: 42 Resp: 17675
Ion Ratio Lower Upper
42 100
74 65.5 53.0 79.4
44 4.8 5.9 8.9#



#4
2-Fluorophenol
Concen: 3.185 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion: 112 Resp: 16397
Ion Ratio Lower Upper
112 100
64 70.6 56.3 84.5
63 45.1 36.2 54.4

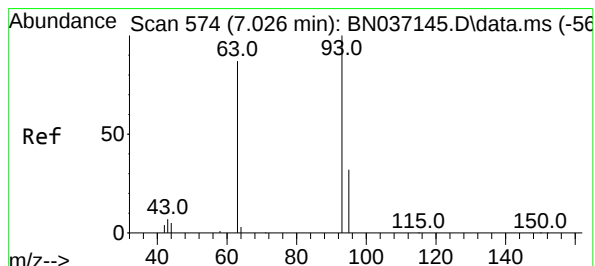
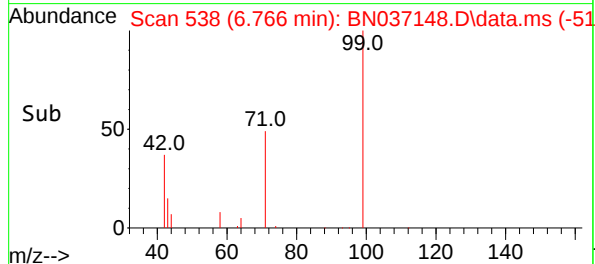
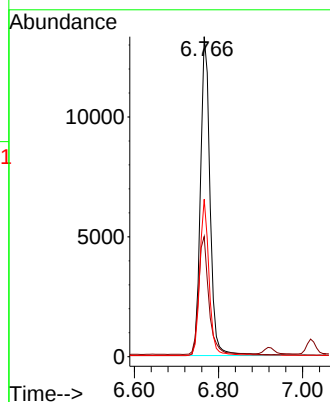
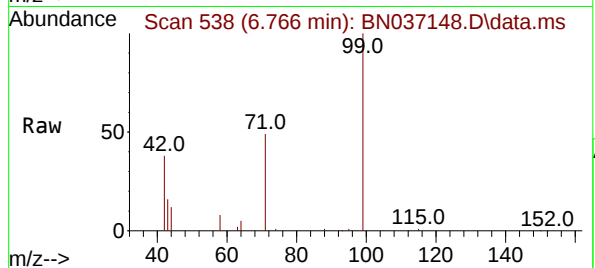




#5
Phenol-d6
Concen: 3.367 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

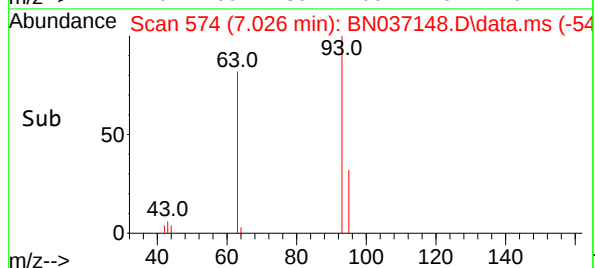
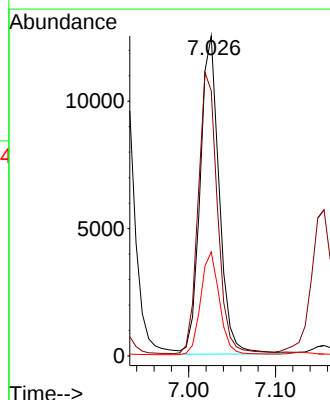
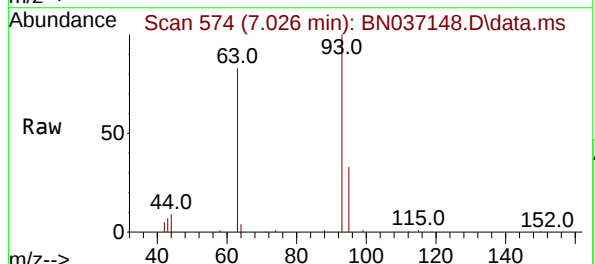
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

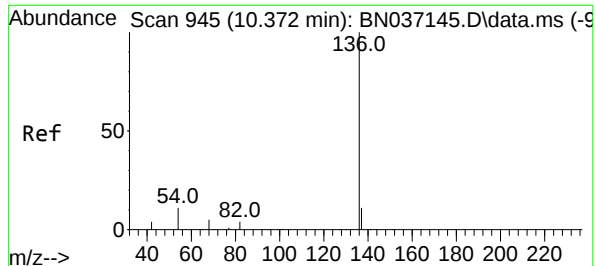
Tgt Ion: 99 Resp: 21011
Ion Ratio Lower Upper
99 100
42 39.5 31.3 46.9
71 47.7 38.2 57.2



#6
bis(2-Chloroethyl)ether
Concen: 3.205 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion: 93 Resp: 19085
Ion Ratio Lower Upper
93 100
63 89.3 68.6 103.0
95 31.8 24.3 36.5

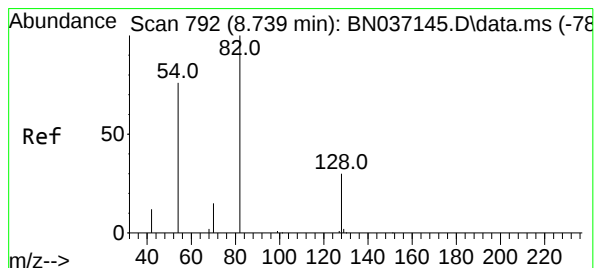
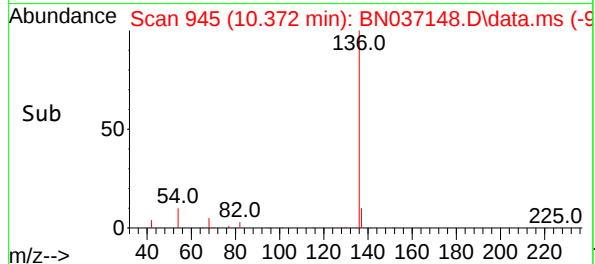
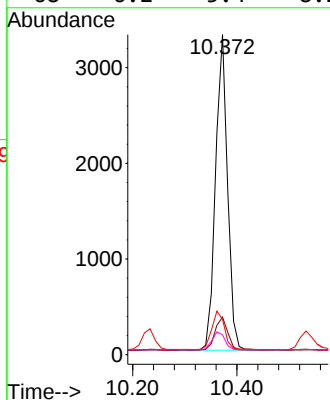
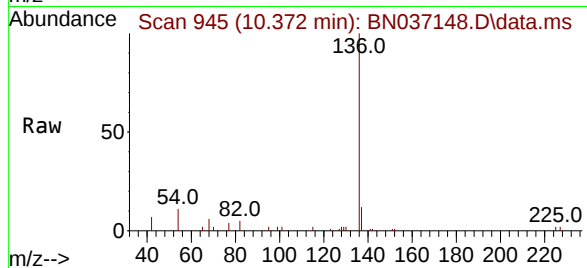




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

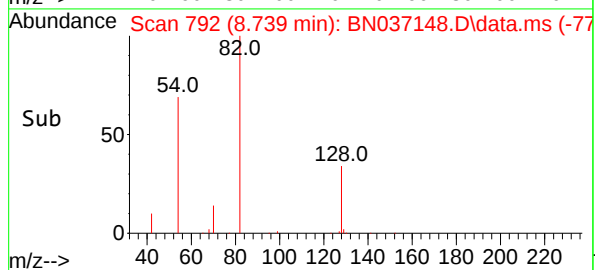
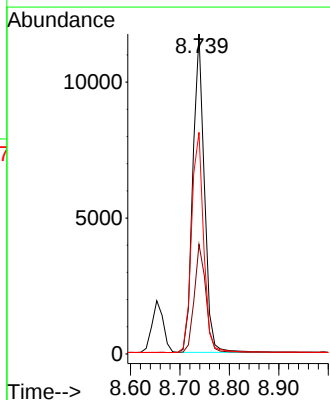
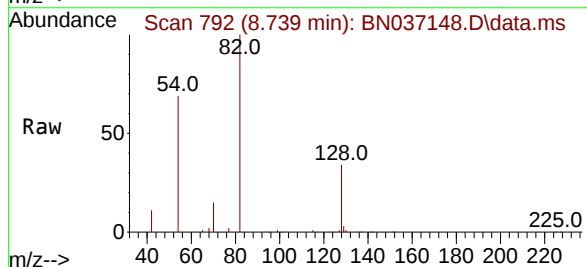
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

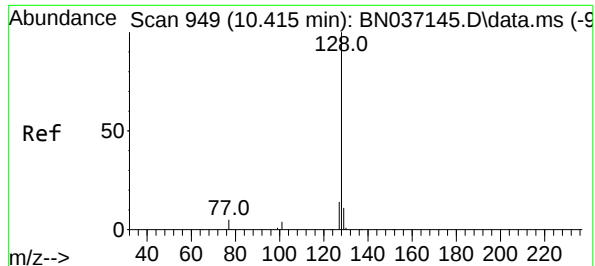
Tgt Ion:	136	Resp:	5272
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	11.0	9.7	14.5
68	6.2	5.4	8.2



#8
Nitrobenzene-d5
Concen: 3.412 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:	82	Resp:	18977
Ion	Ratio	Lower	Upper
82	100		
128	34.3	26.9	40.3
54	69.2	61.4	92.2

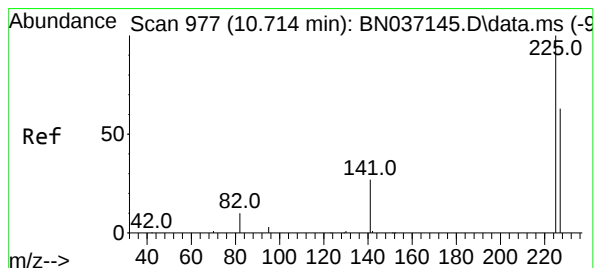
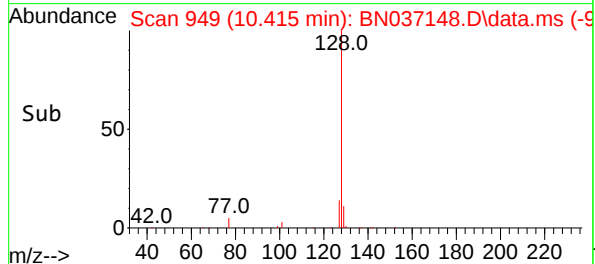
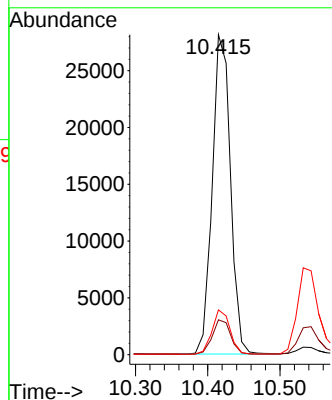
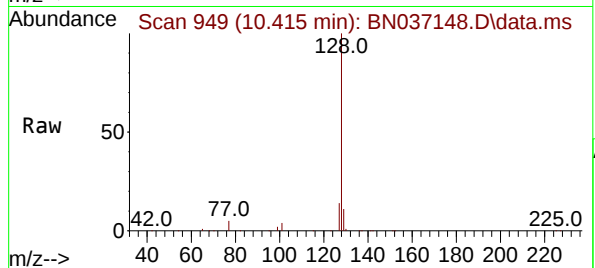




#9
Naphthalene
Concen: 3.232 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

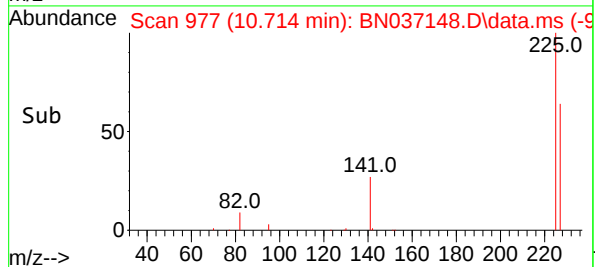
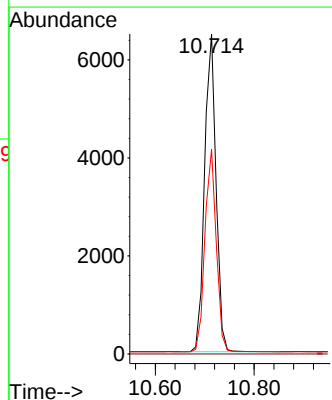
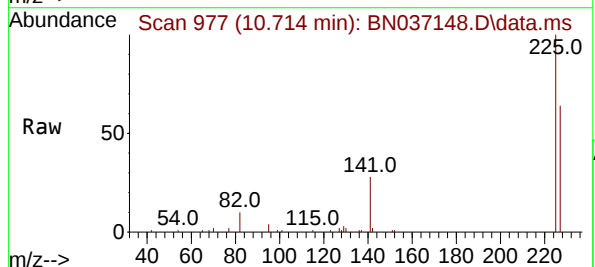
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

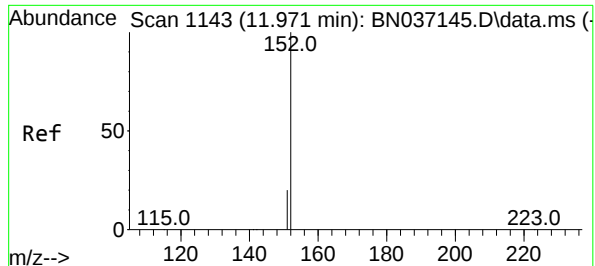
Tgt Ion:128 Resp: 49155
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.8
127 14.0 12.3 18.5



#10
Hexachlorobutadiene
Concen: 3.131 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:225 Resp: 10373
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.4 50.3 75.5

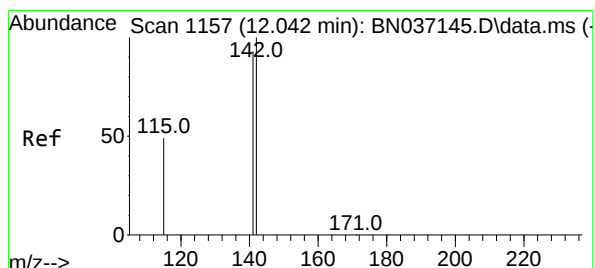
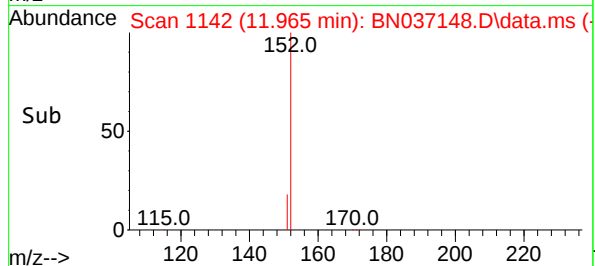
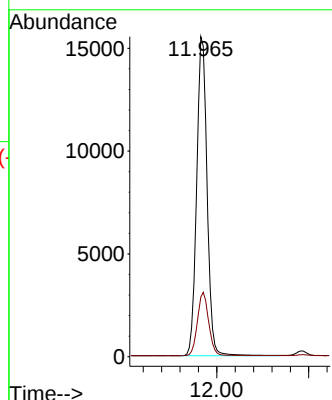
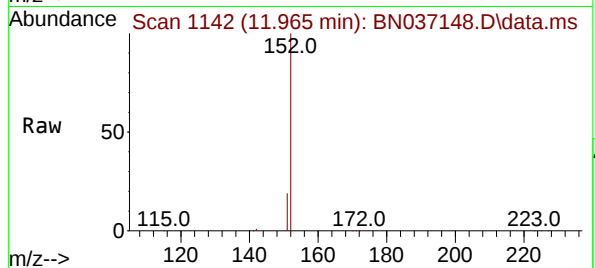




#11
2-Methylnaphthalene-d10
Concen: 3.317 ng
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

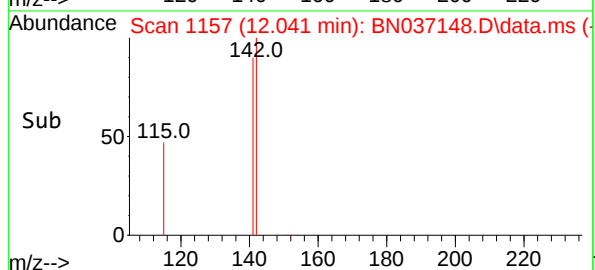
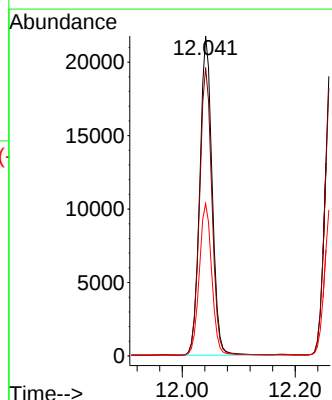
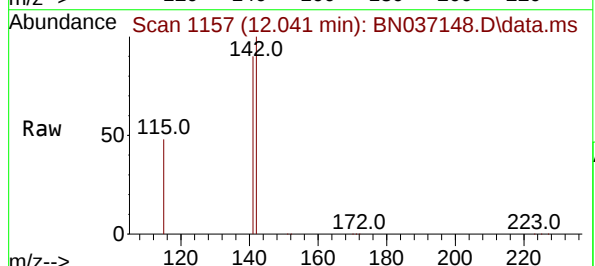
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

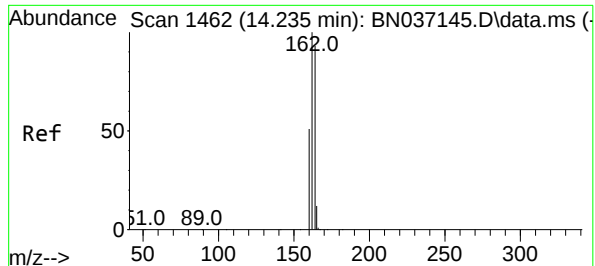
Tgt Ion:152 Resp: 24344
Ion Ratio Lower Upper
152 100
151 21.5 17.1 25.7



#12
2-Methylnaphthalene
Concen: 3.386 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:142 Resp: 33014
Ion Ratio Lower Upper
142 100
141 90.1 74.6 111.8
115 47.6 41.0 61.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.234 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

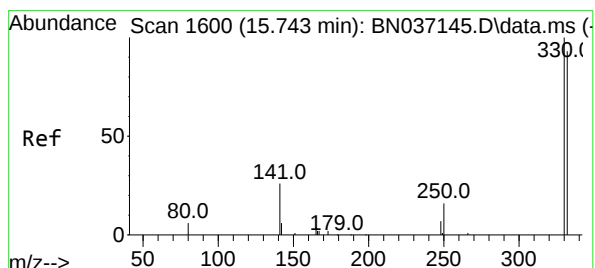
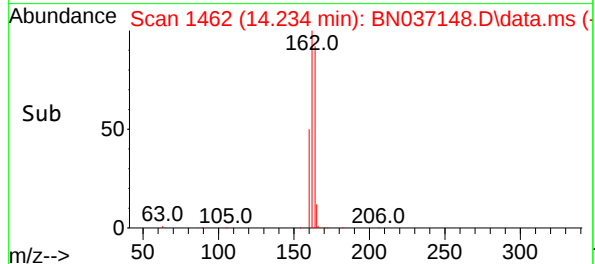
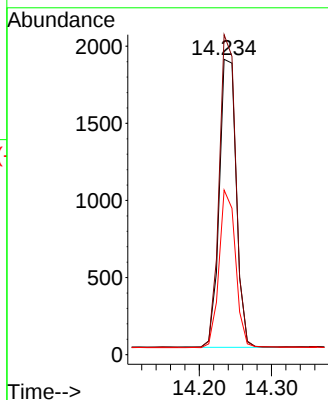
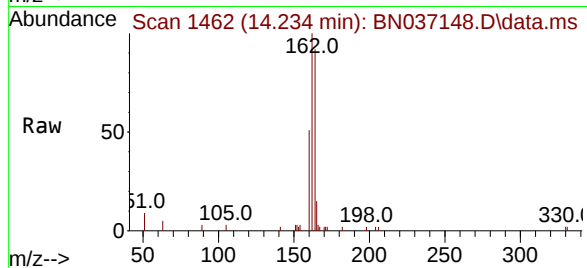
Tgt Ion:164 Resp: 3042

Ion Ratio Lower Upper

164 100

162 108.4 85.5 128.3

160 55.8 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 3.611 ng

RT: 15.730 min Scan# 1599

Delta R.T. -0.013 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

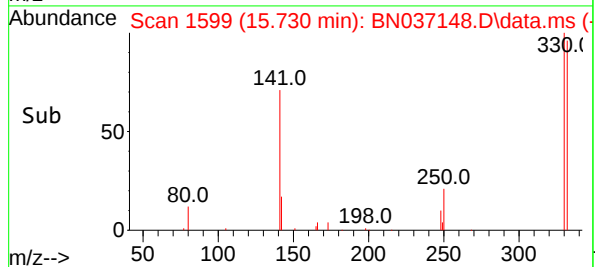
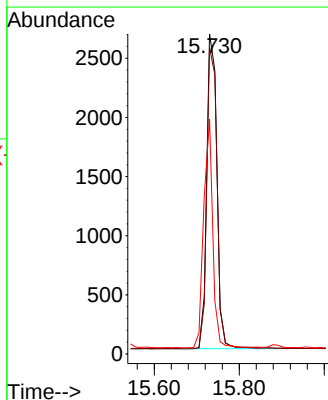
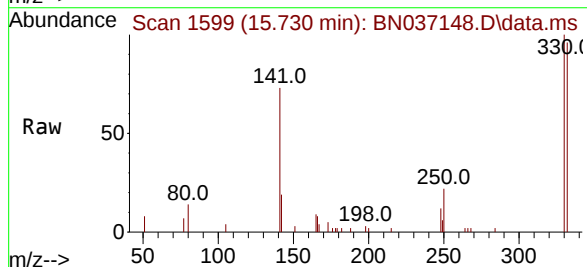
Tgt Ion:330 Resp: 4423

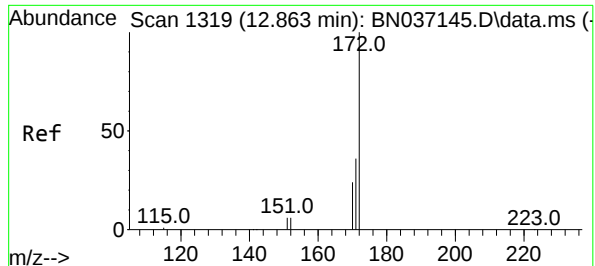
Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 65.0 46.4 69.6

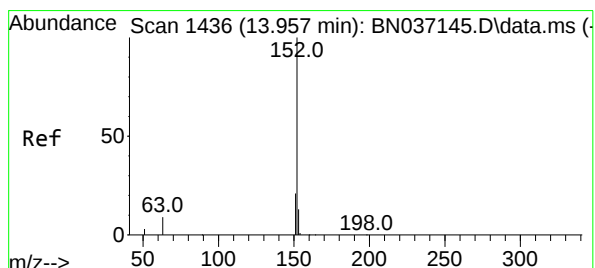
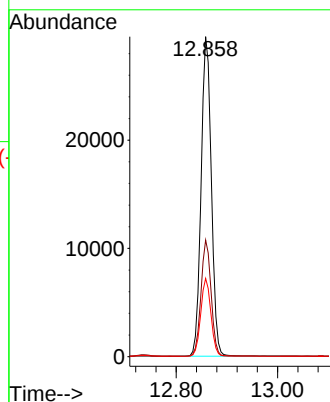
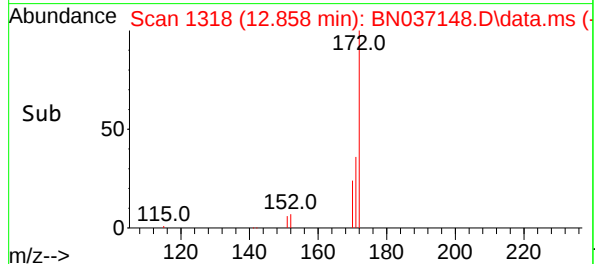
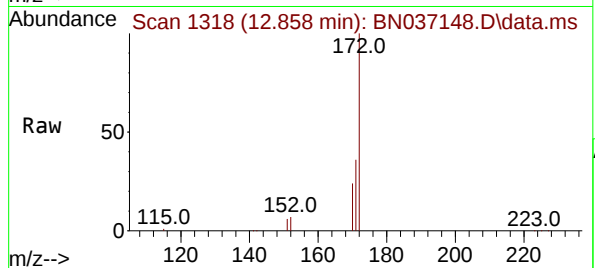




#15
2-Fluorobiphenyl
Concen: 3.201 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

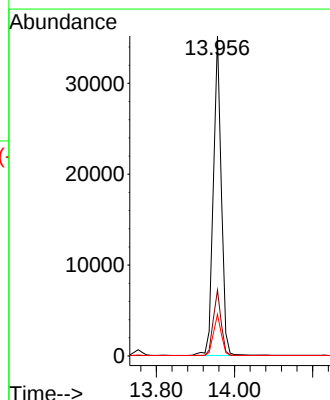
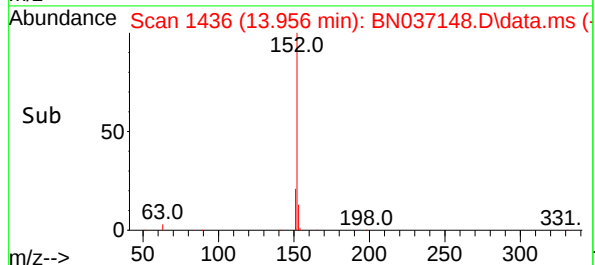
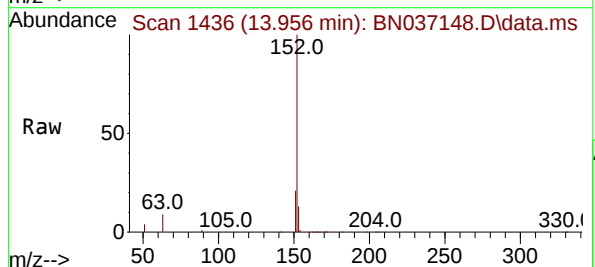
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

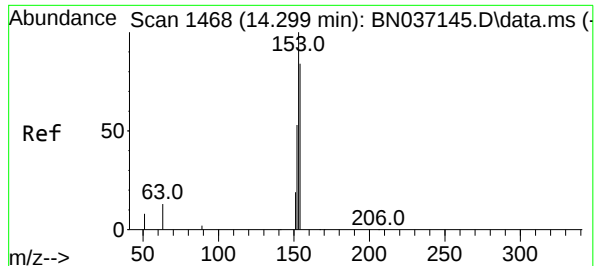
Tgt Ion:172 Resp: 41512
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.5 20.3 30.5



#16
Acenaphthylene
Concen: 3.345 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:152 Resp: 49883
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 12.9 10.6 15.8





#17

Acenaphthene

Concen: 3.290 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

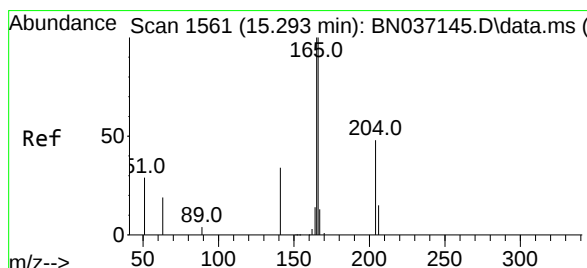
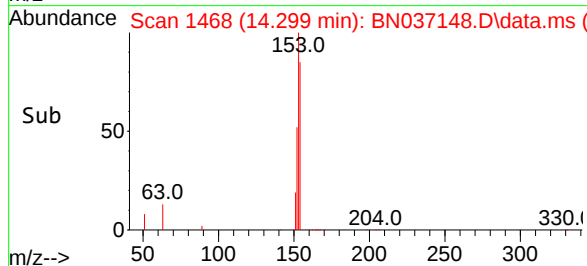
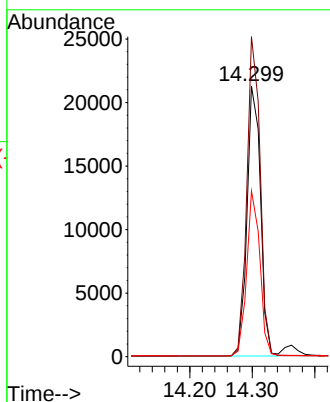
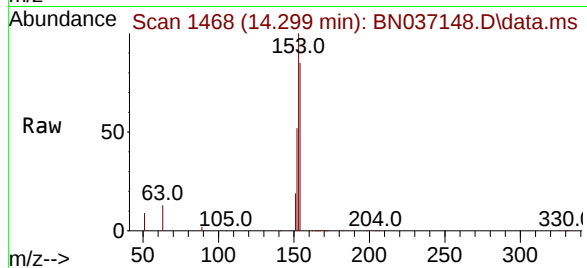
Tgt Ion:154 Resp: 31857

Ion Ratio Lower Upper

154 100

153 116.6 93.8 140.8

152 59.9 50.5 75.7



#18

Fluorene

Concen: 3.320 ng

RT: 15.293 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

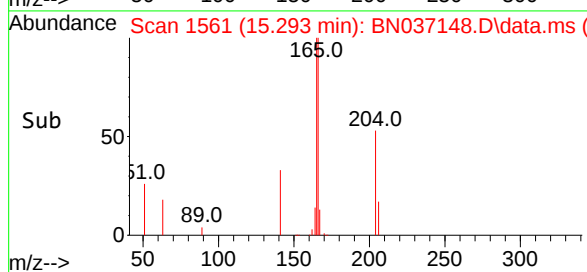
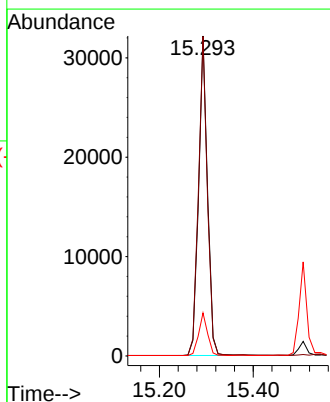
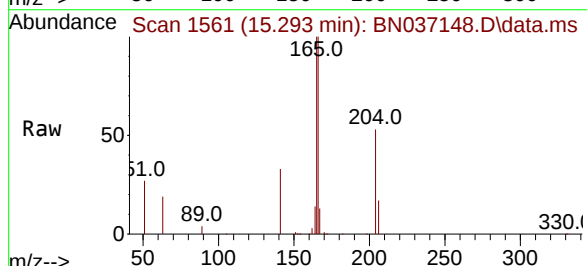
Tgt Ion:166 Resp: 42258

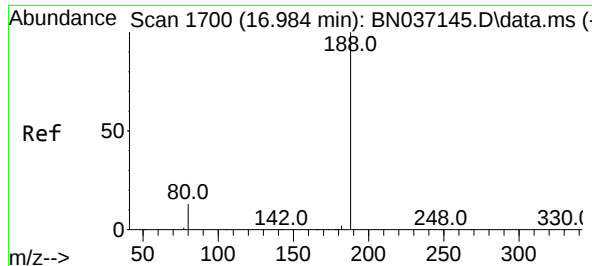
Ion Ratio Lower Upper

166 100

165 99.8 81.1 121.7

167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

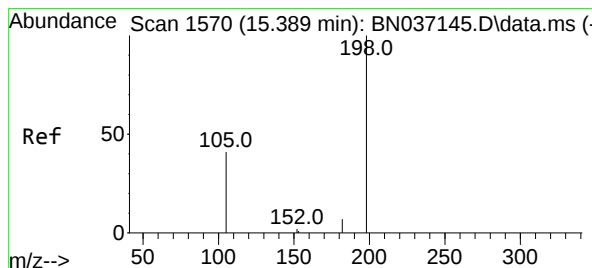
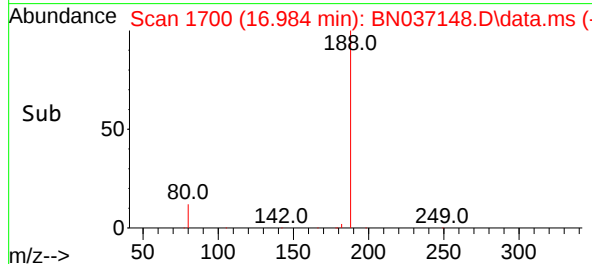
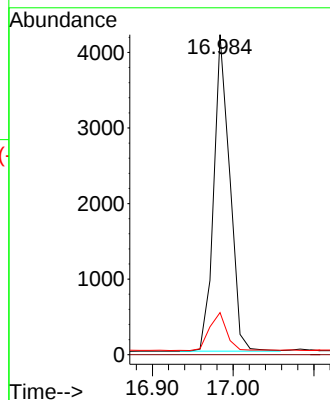
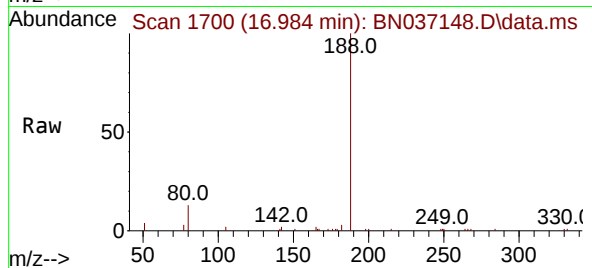
Tgt Ion:188 Resp: 5757

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 3.058 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

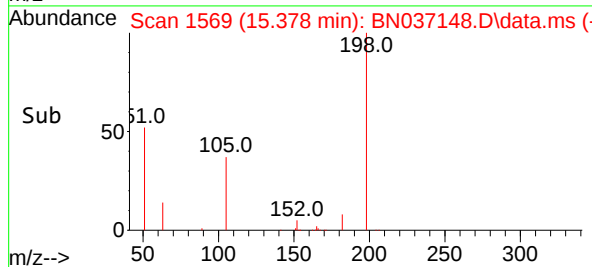
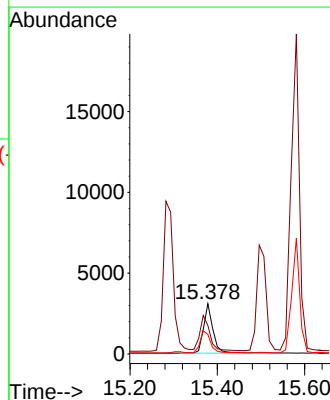
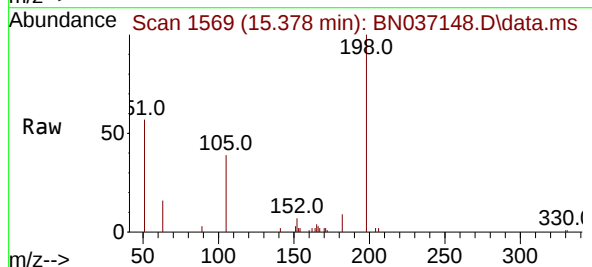
Tgt Ion:198 Resp: 4695

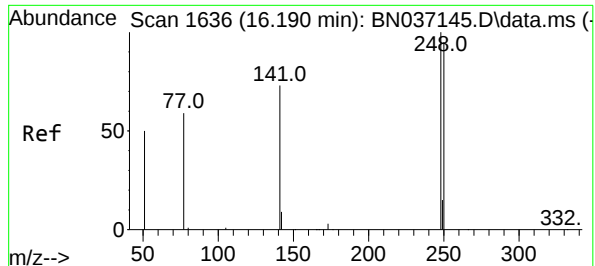
Ion Ratio Lower Upper

198 100

51 56.8 125.2 187.8#

105 38.9 57.1 85.7#

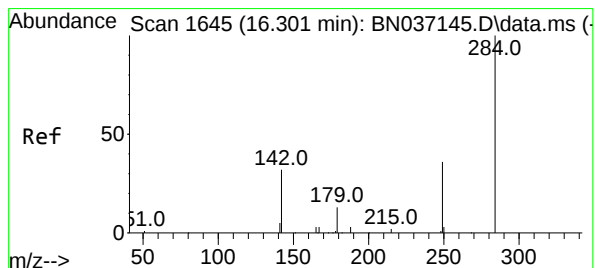
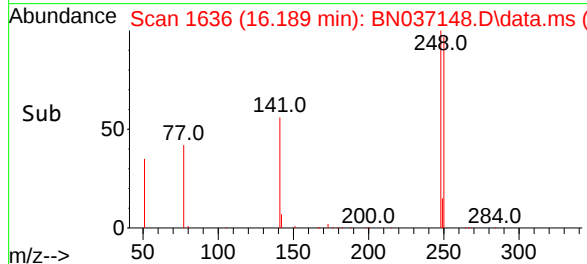
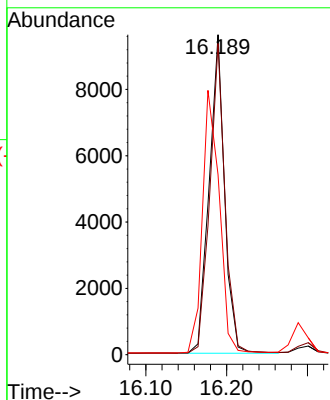
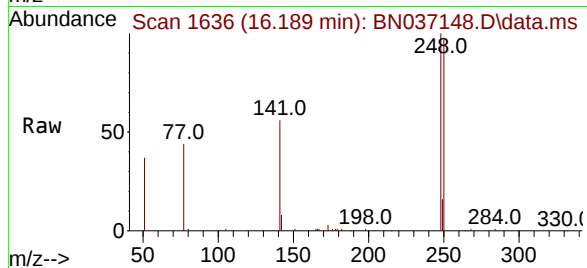




#21
4-Bromophenyl-phenylether
Concen: 3.369 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

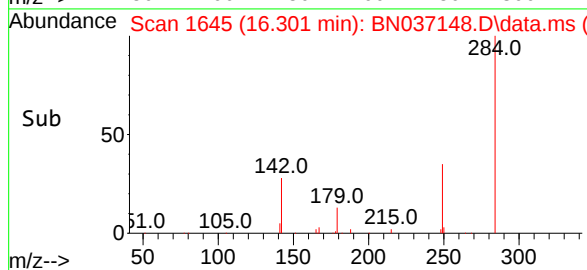
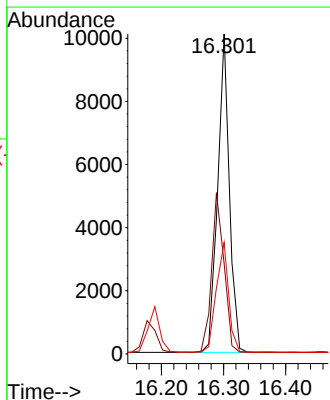
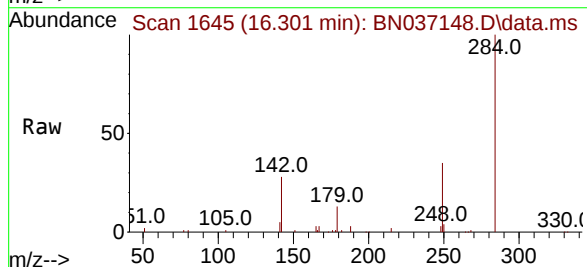
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BNA_N
ClientSampleId :
SSTDICC3.2

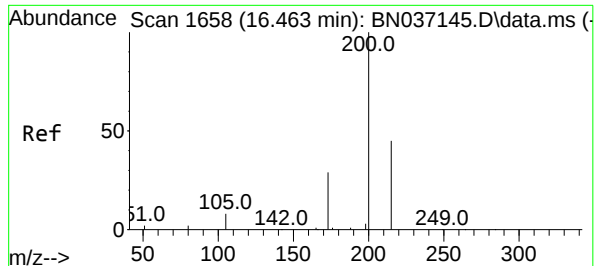
Tgt Ion:248 Resp: 12710
Ion Ratio Lower Upper
248 100
250 97.3 76.1 114.1
141 56.2 60.1 90.1#



#22
Hexachlorobenzene
Concen: 3.217 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:284 Resp: 13101
Ion Ratio Lower Upper
284 100
142 53.4 44.0 66.0
249 36.5 29.7 44.5

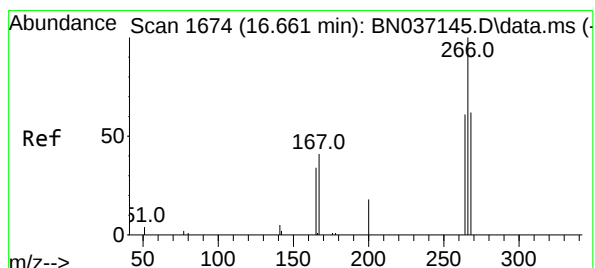
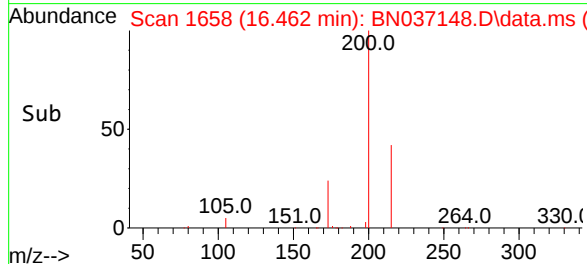
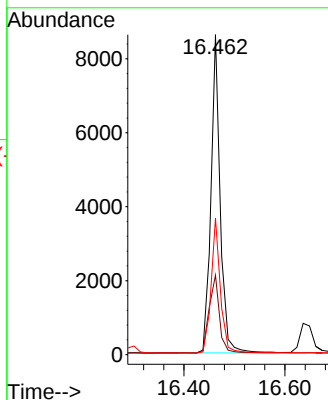
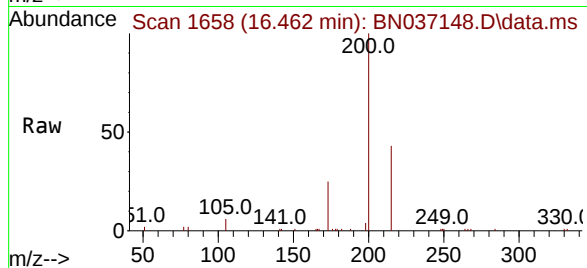




#23
Atrazine
Concen: 3.524 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

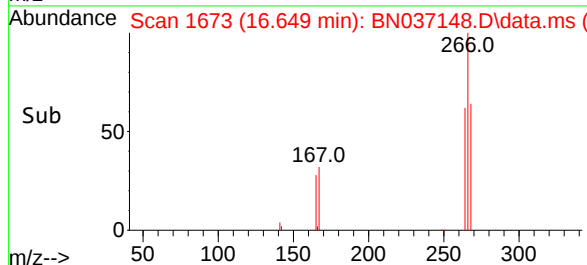
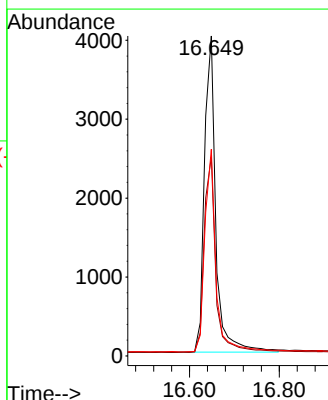
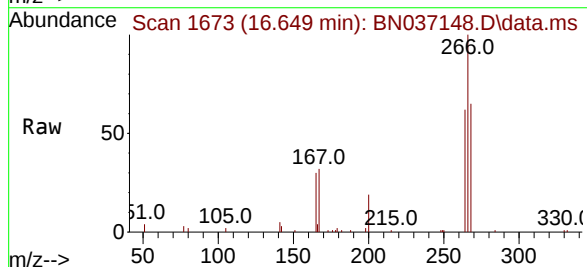
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BNA_N
ClientSampleId :
SSTDICC3.2

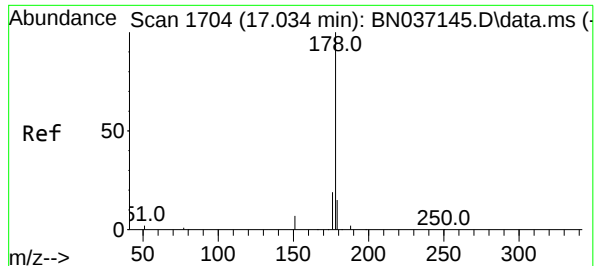
Tgt Ion:200 Resp: 10979
Ion Ratio Lower Upper
200 100
173 24.8 28.1 42.1#
215 42.7 39.3 58.9



#24
Pentachlorophenol
Concen: 3.108 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:266 Resp: 7055
Ion Ratio Lower Upper
266 100
264 63.3 49.3 73.9
268 63.1 49.0 73.4

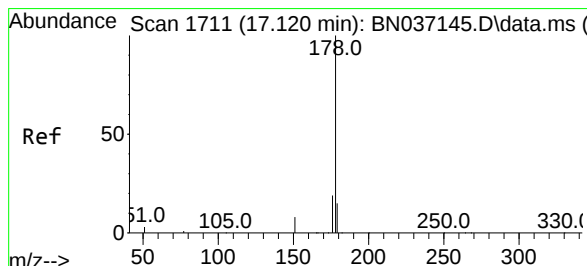
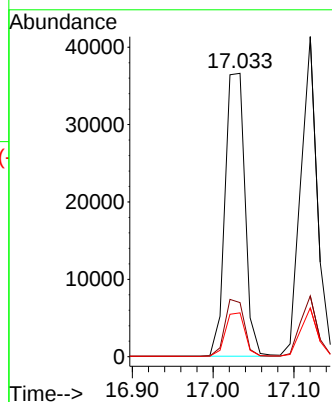
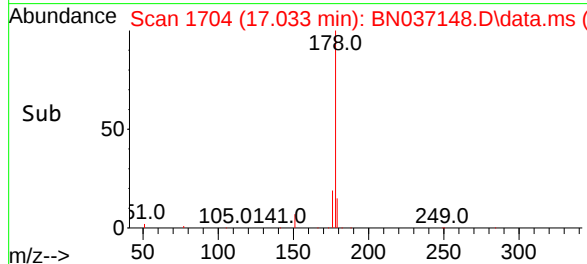
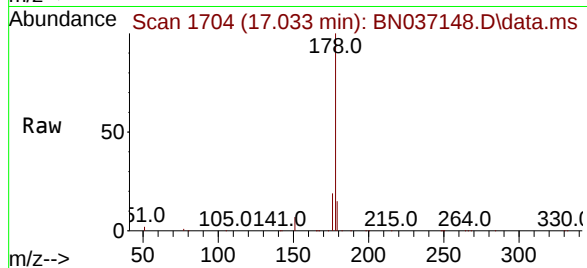




#25
Phenanthrene
Concen: 3.350 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

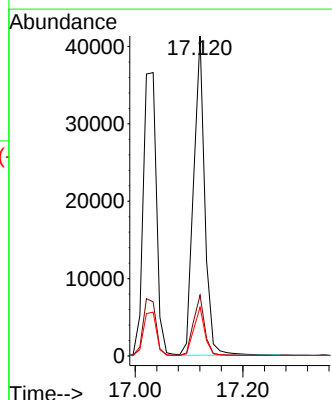
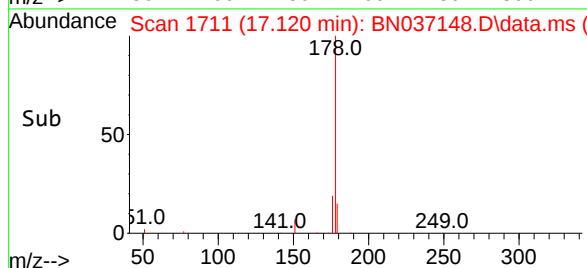
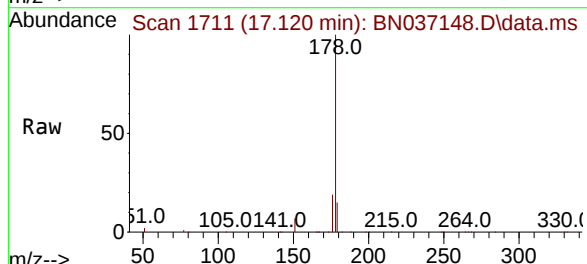
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

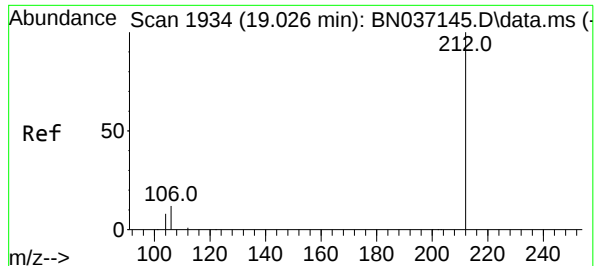
Tgt Ion:178 Resp: 62481
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.1 12.3 18.5



#26
Anthracene
Concen: 3.490 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:178 Resp: 59394
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.2 12.9 19.3





#27

Fluoranthene-d10

Concen: 3.373 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

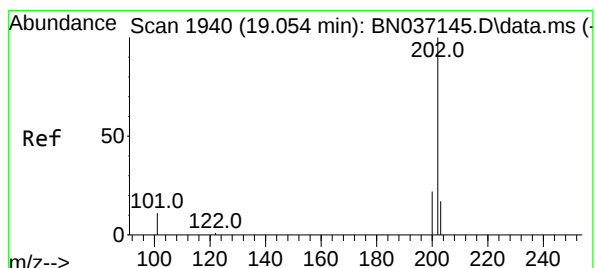
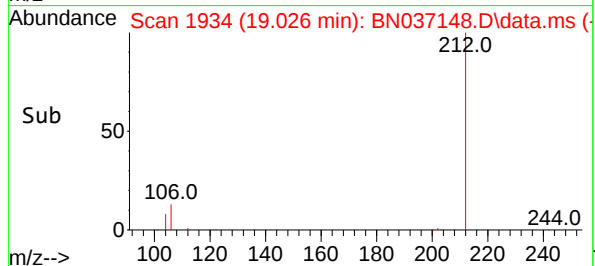
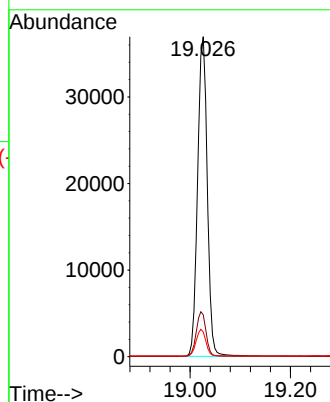
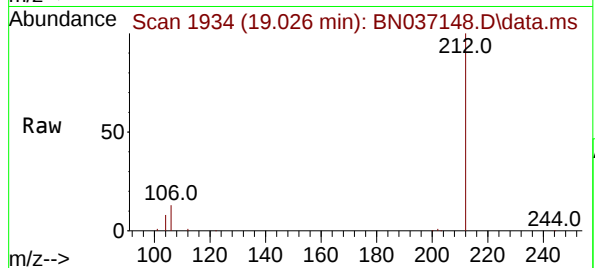
Tgt Ion:212 Resp: 49341

Ion Ratio Lower Upper

212 100

106 13.9 10.6 15.8

104 8.4 6.6 9.8



#28

Fluoranthene

Concen: 3.495 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

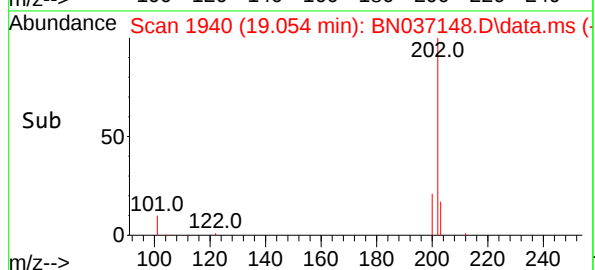
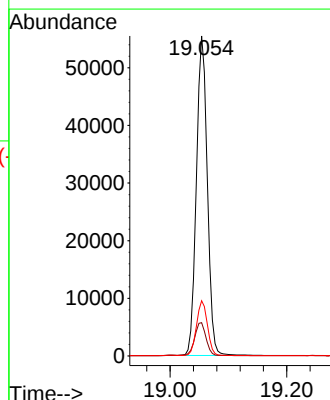
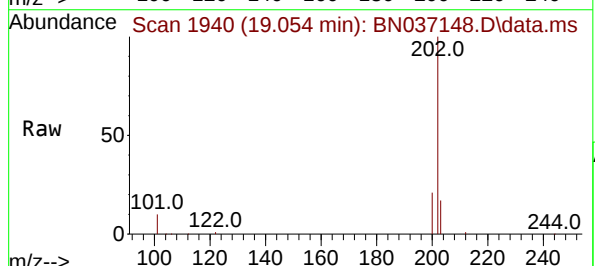
Tgt Ion:202 Resp: 72004

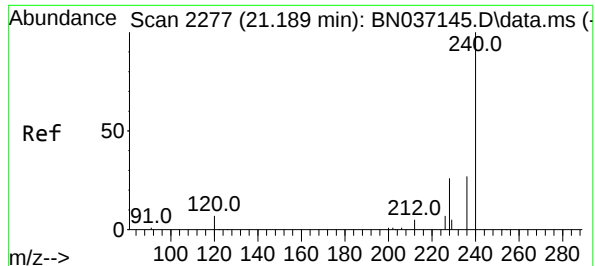
Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

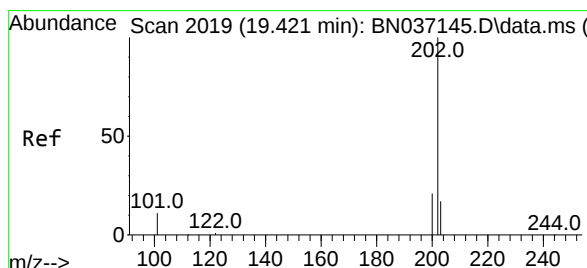
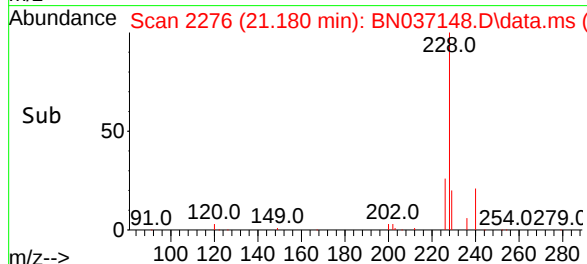
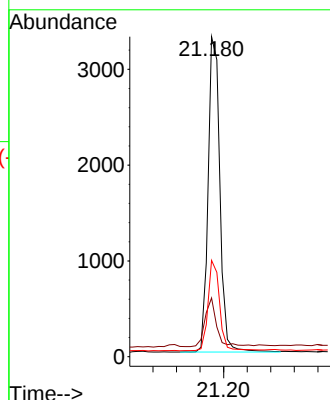
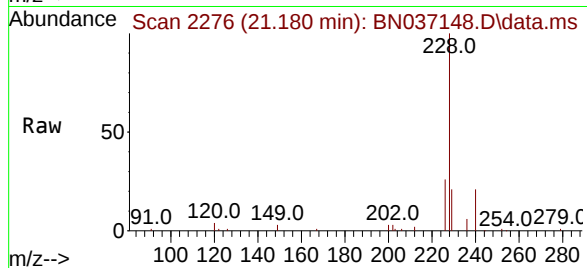
Tgt Ion:240 Resp: 4564

Ion Ratio Lower Upper

240 100

120 18.4 9.0 13.4#

236 30.1 23.0 34.4



#30

Pyrene

Concen: 3.205 ng

RT: 19.416 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

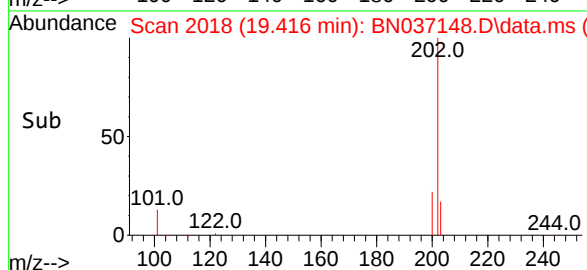
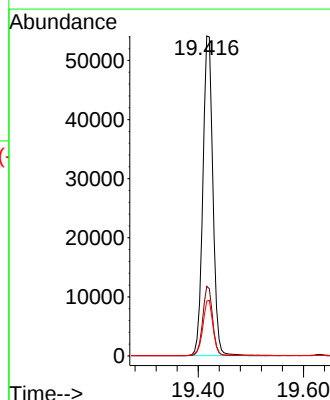
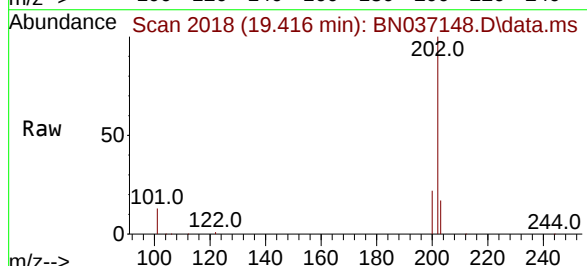
Tgt Ion:202 Resp: 71397

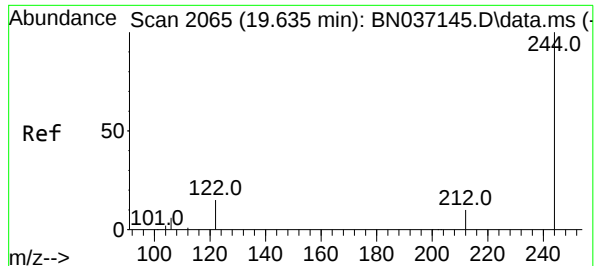
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

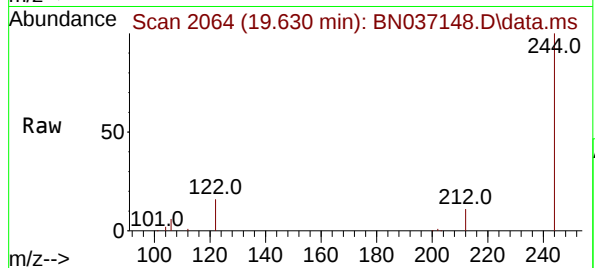
203 17.7 14.2 21.4



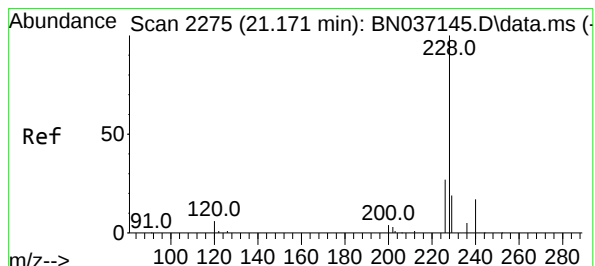
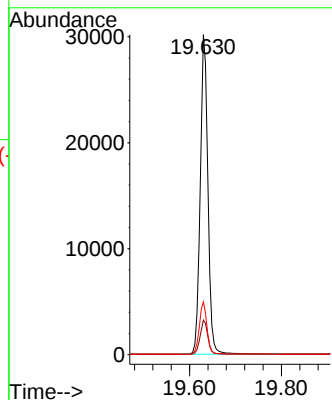
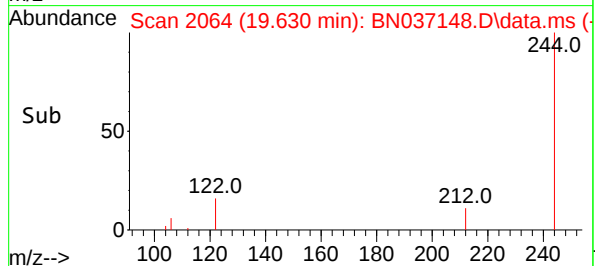


#31
Terphenyl-d14
Concen: 3.237 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

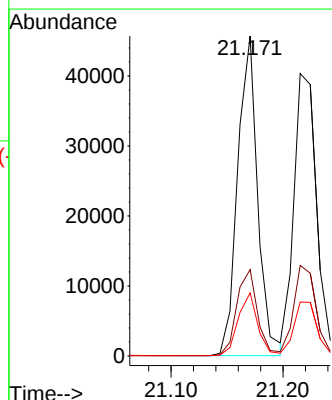
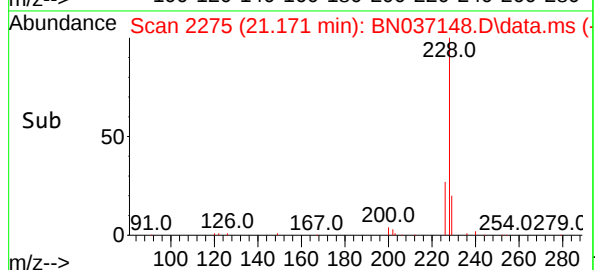
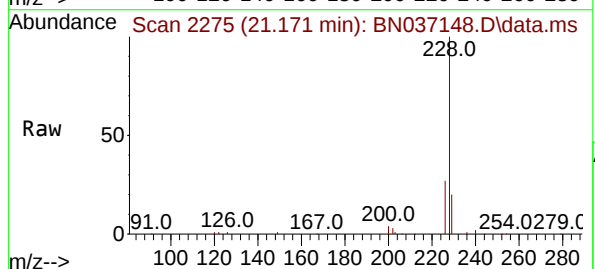


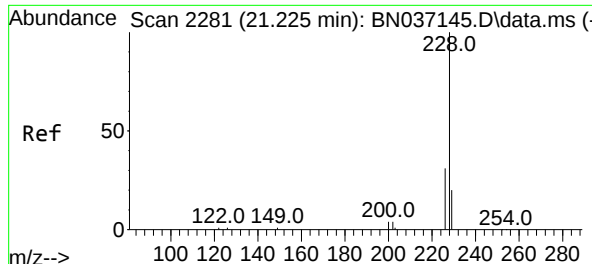
Tgt Ion:244 Resp: 34773
Ion Ratio Lower Upper
244 100
212 10.8 10.0 15.0
122 16.5 13.2 19.8



#32
Benzo(a)anthracene
Concen: 3.431 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion:228 Resp: 56691
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 19.7 16.2 24.2





#33

Chrysene

Concen: 3.144 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

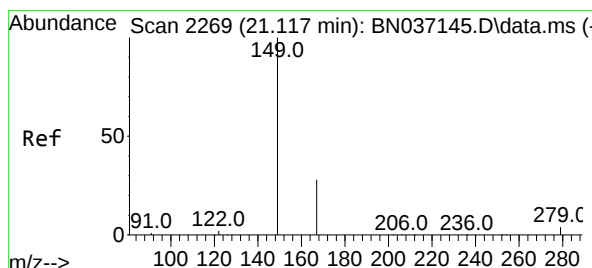
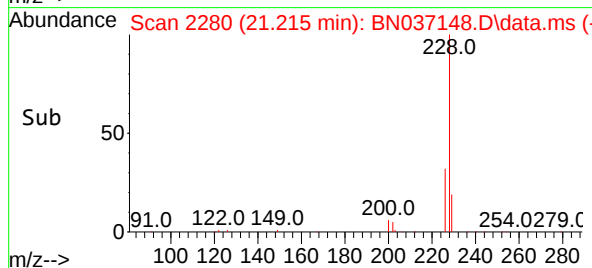
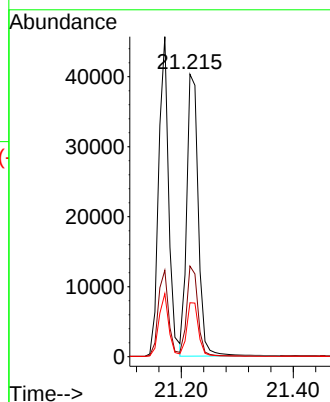
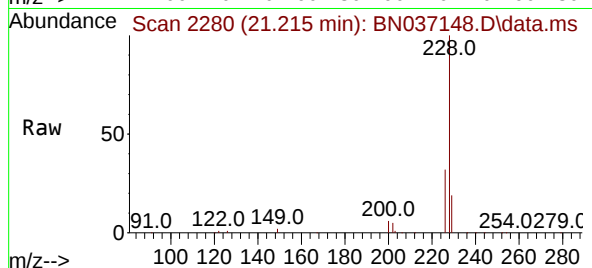
Tgt Ion:228 Resp: 57833

Ion Ratio Lower Upper

228 100

226 32.0 25.2 37.8

229 19.1 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.201 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

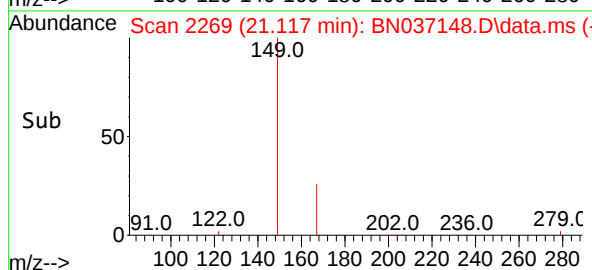
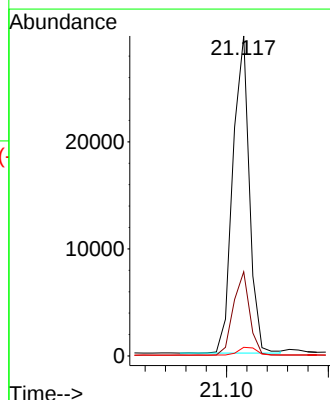
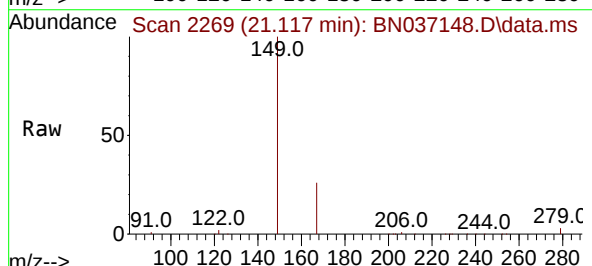
Tgt Ion:149 Resp: 33369

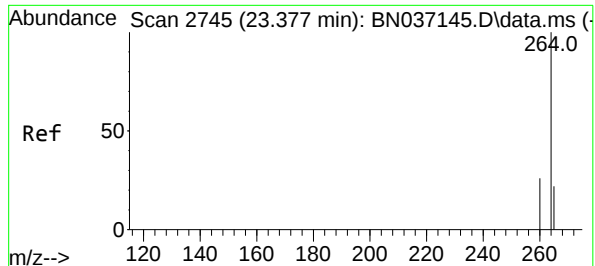
Ion Ratio Lower Upper

149 100

167 25.9 21.0 31.4

279 2.8 2.9 4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037148.D

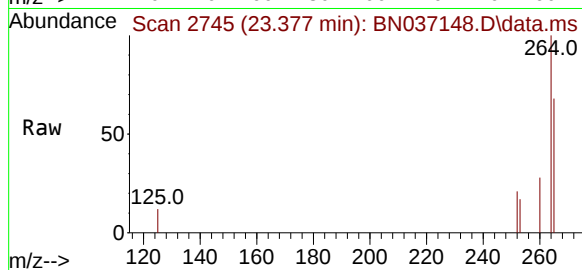
Acq: 03 Jun 2025 14:38

Instrument :

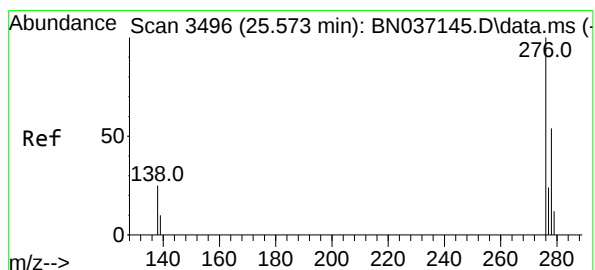
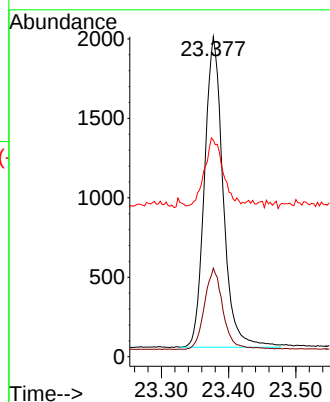
BNA_N

ClientSampleId :

SSTDICC3.2



Tgt Ion:	264	Resp:	3760
Ion Ratio	Lower	Upper	
264	100		
260	27.7	22.1	33.1
265	67.7	55.8	83.8



#36

Indeno(1,2,3-cd)pyrene

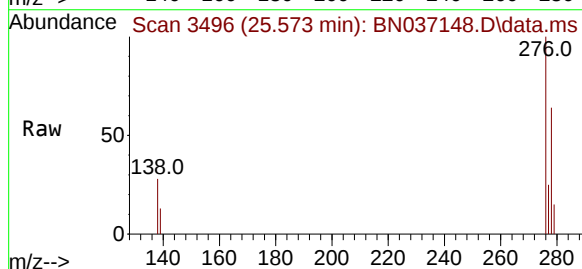
Concen: 3.364 ng

RT: 25.573 min Scan# 3496

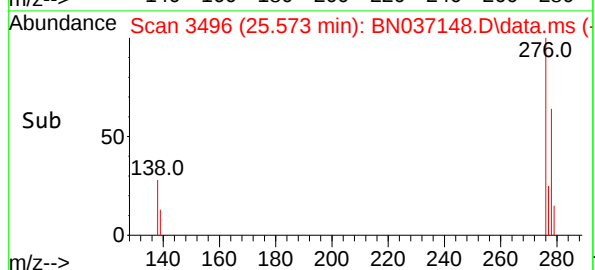
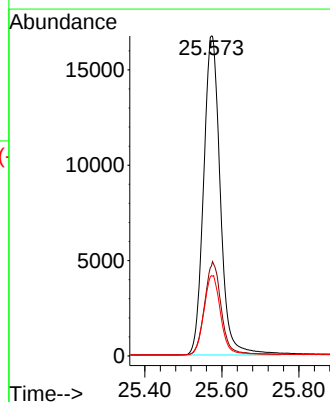
Delta R.T. -0.000 min

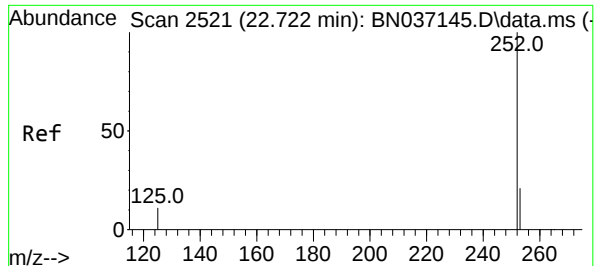
Lab File: BN037148.D

Acq: 03 Jun 2025 14:38



Tgt Ion:	276	Resp:	50327
Ion Ratio	Lower	Upper	
276	100		
138	29.0	21.0	31.6
277	24.9	19.4	29.2





#37

Benzo(b)fluoranthene

Concen: 3.395 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

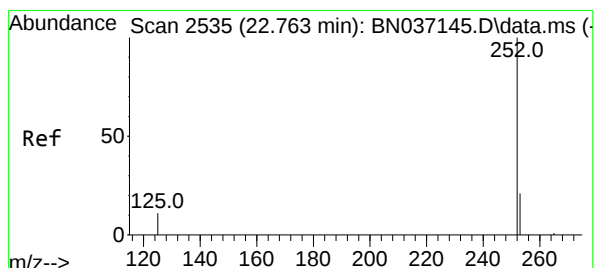
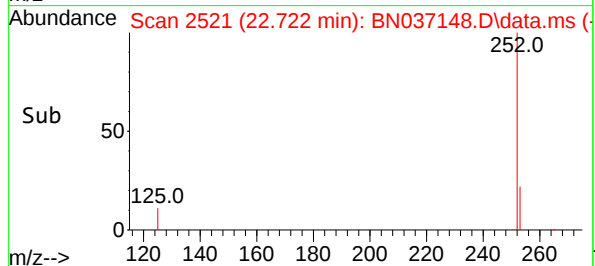
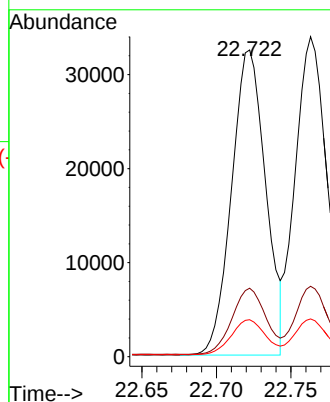
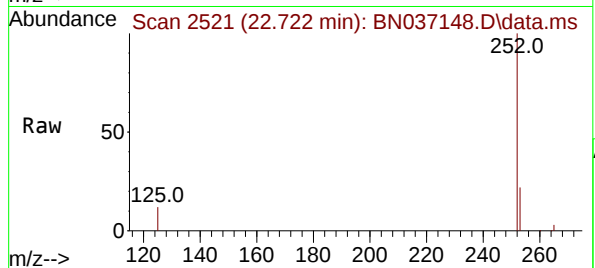
Tgt Ion:252 Resp: 51531

Ion Ratio Lower Upper

252 100

253 22.3 22.3 33.5

125 12.0 13.2 19.8#



#38

Benzo(k)fluoranthene

Concen: 3.384 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

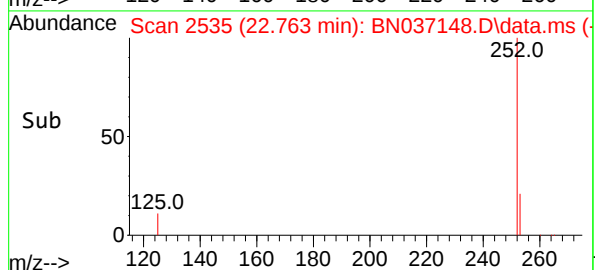
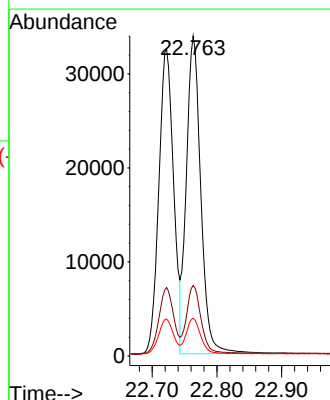
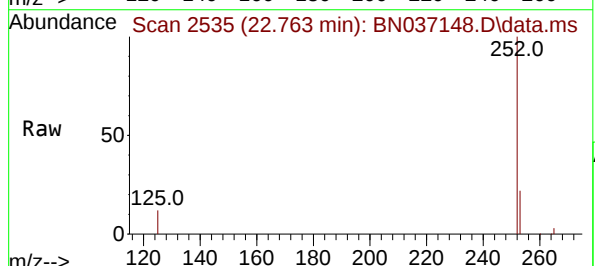
Tgt Ion:252 Resp: 52430

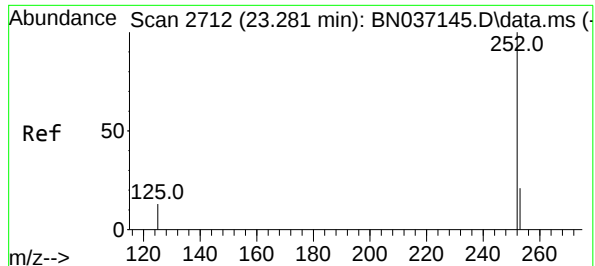
Ion Ratio Lower Upper

252 100

253 22.0 22.2 33.4#

125 11.8 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 3.374 ng

RT: 23.281 min Scan# 2712

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

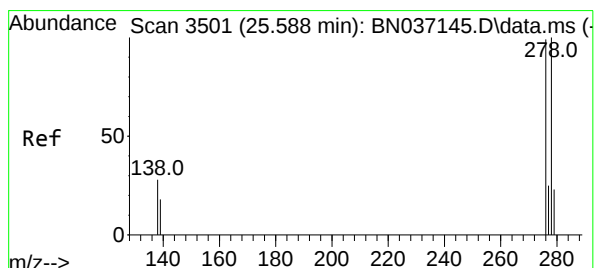
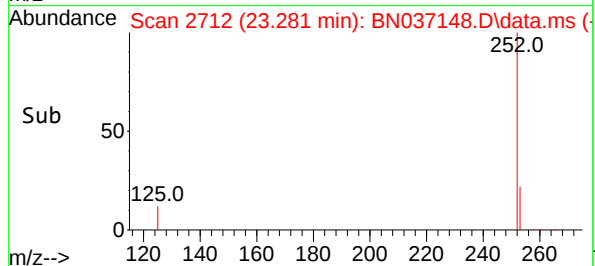
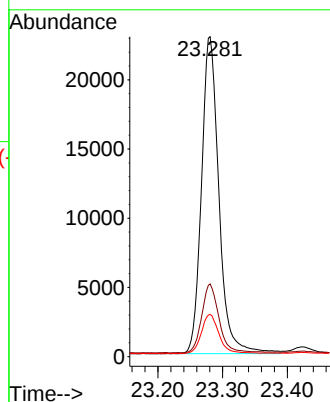
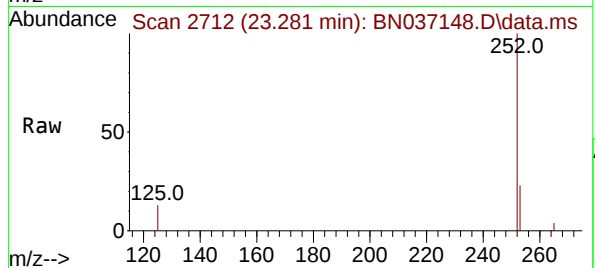
Tgt Ion:252 Resp: 42893

Ion Ratio Lower Upper

252 100

253 22.8 25.0 37.4#

125 13.2 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 3.474 ng

RT: 25.587 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

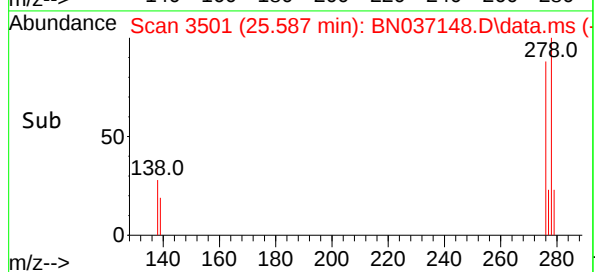
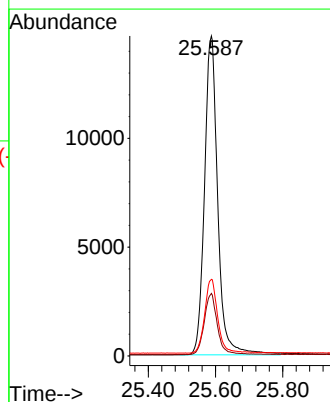
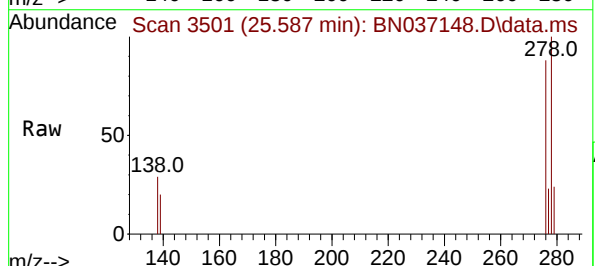
Tgt Ion:278 Resp: 40079

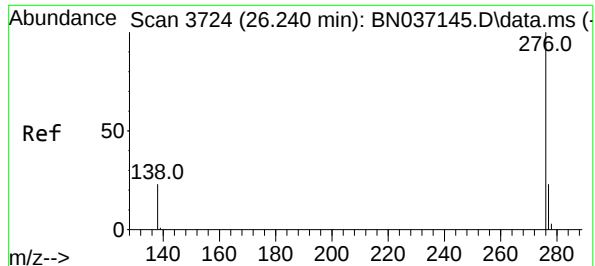
Ion Ratio Lower Upper

278 100

139 19.6 17.6 26.4

279 23.9 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 3.233 ng

RT: 26.239 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037148.D

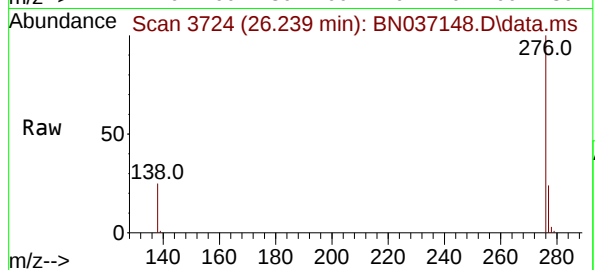
Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



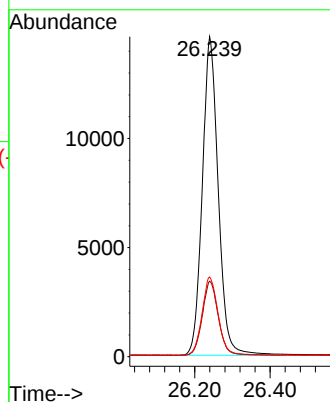
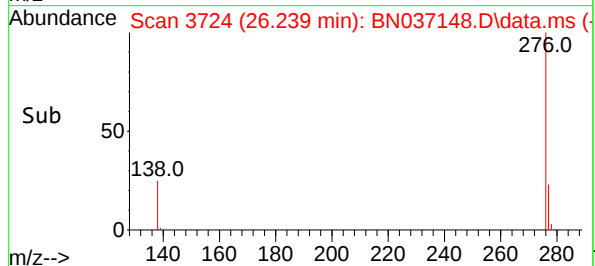
Tgt Ion:276 Resp: 42842

Ion Ratio Lower Upper

276 100

277 23.6 20.9 31.3

138 24.9 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037149.D
 Acq On : 03 Jun 2025 15:14
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Jun 04 01:43:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:40:18 2025
 Response via : Initial Calibration

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

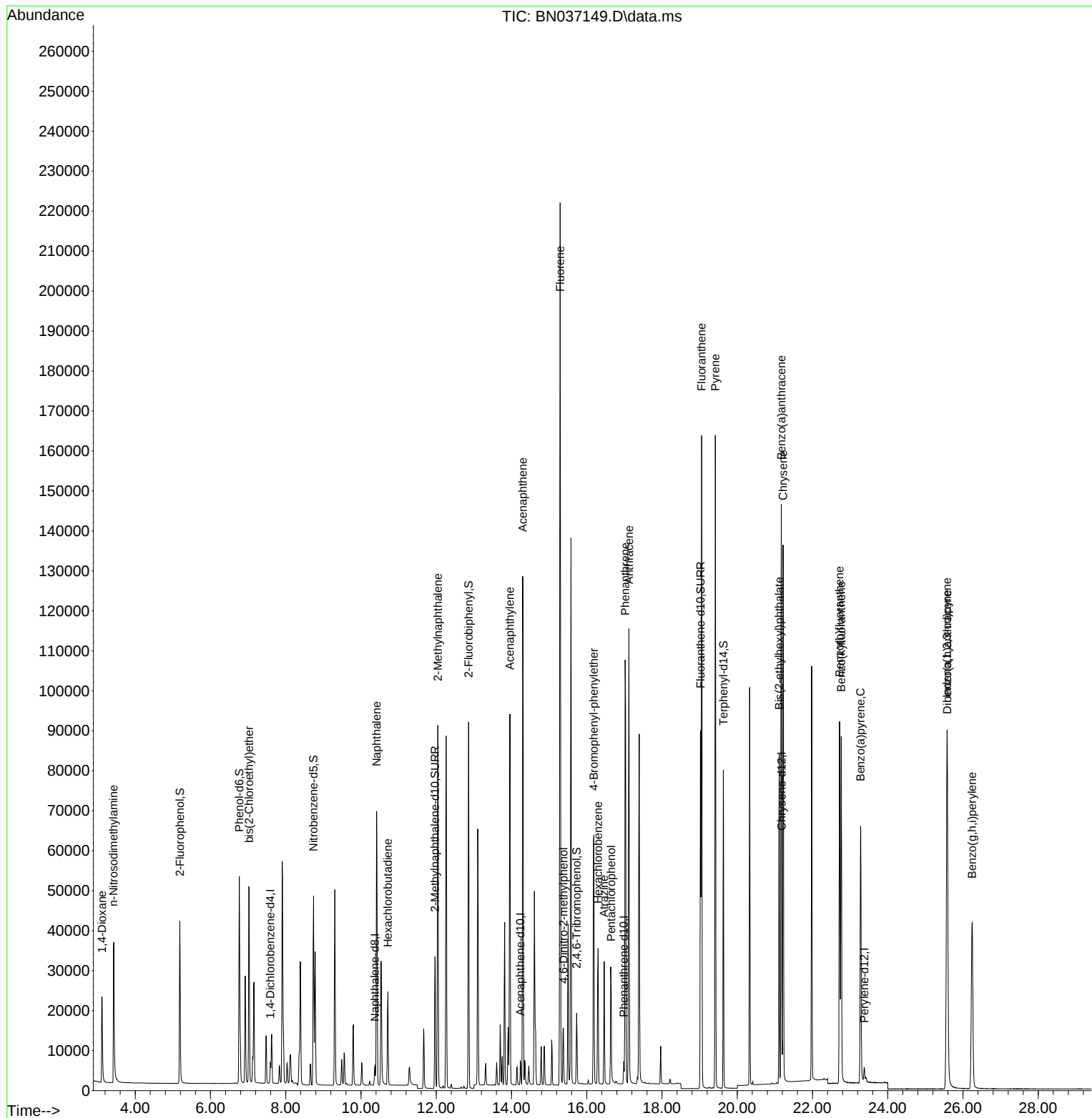
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2274	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5863	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	3467	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	6764	0.400	ng	0.00
29) Chrysene-d12	21.180	240	5784	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	4620	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	27710	4.928	ng	0.00
5) Phenol-d6	6.766	99	36531	5.359	ng	0.00
8) Nitrobenzene-d5	8.739	82	32690	5.285	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	43118	5.283	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	8081	5.789	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	74736	5.056	ng	0.00
27) Fluoranthene-d10	19.026	212	94210	5.482	ng	0.00
31) Terphenyl-d14	19.630	244	66718	4.900	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	13025	4.297	ng	97
3) n-Nitrosodimethylamine	3.422	42	28752	4.724	ng	# 97
6) bis(2-Chloroethyl)ether	7.026	93	32562	5.006	ng	97
9) Naphthalene	10.415	128	84983	5.024	ng	96
10) Hexachlorobutadiene	10.714	225	17448	4.735	ng	# 99
12) 2-Methylnaphthalene	12.042	142	58095	5.358	ng	96
16) Acenaphthylene	13.957	152	89938	5.291	ng	99
17) Acenaphthene	14.299	154	57215	5.184	ng	97
18) Fluorene	15.293	166	75931	5.233	ng	98
20) 4,6-Dinitro-2-methylph...	15.378	198	9612	5.124	ng	# 31
21) 4-Bromophenyl-phenylether	16.189	248	22933	5.173	ng	# 87
22) Hexachlorobenzene	16.301	284	23190	4.847	ng	98
23) Atrazine	16.463	200	20848	5.696	ng	# 87
24) Pentachlorophenol	16.649	266	13952	5.085	ng	98
25) Phenanthrene	17.021	178	115105	5.252	ng	99
26) Anthracene	17.120	178	111362	5.569	ng	99
28) Fluoranthene	19.054	202	135672	5.604	ng	99
30) Pyrene	19.416	202	136281	4.827	ng	100
32) Benzo(a)anthracene	21.171	228	113532	5.423	ng	99
33) Chrysene	21.216	228	112475	4.825	ng	98
34) Bis(2-ethylhexyl)phtha...	21.117	149	72476	5.486	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.573	276	97988	5.331	ng	96
37) Benzo(b)fluoranthene	22.720	252	102873	5.516	ng	# 89
38) Benzo(k)fluoranthene	22.763	252	104252	5.475	ng	# 89
39) Benzo(a)pyrene	23.278	252	85510	5.474	ng	# 83
40) Dibenzo(a,h)anthracene	25.585	278	76694	5.411	ng	# 89
41) Benzo(g,h,i)perylene	26.243	276	82277	5.054	ng	98

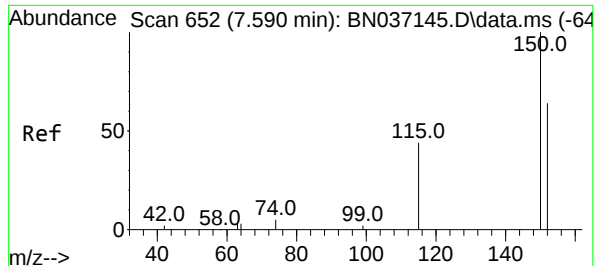
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037149.D
Acq On : 03 Jun 2025 15:14
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

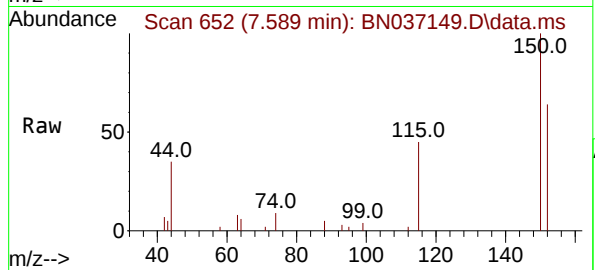
Quant Time: Jun 04 01:43:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



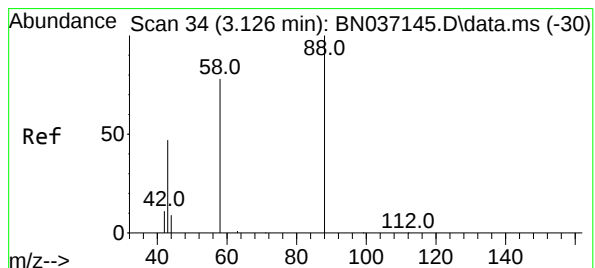
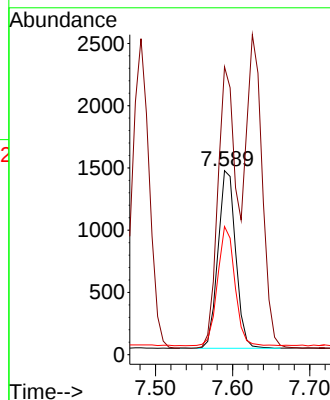
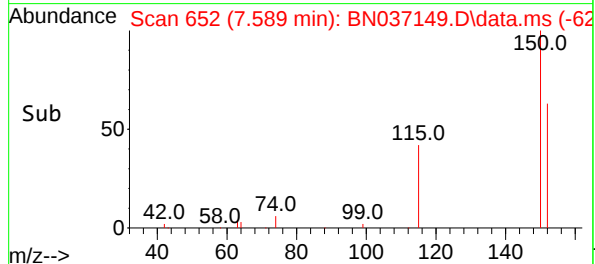


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

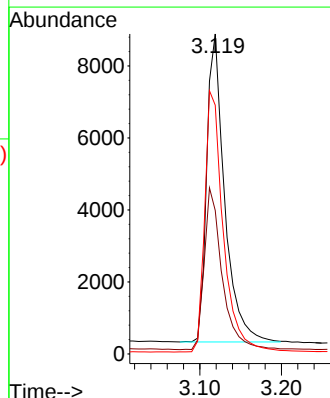
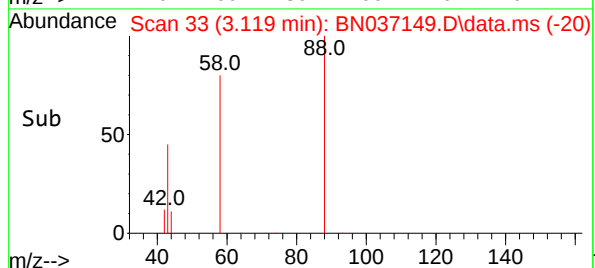
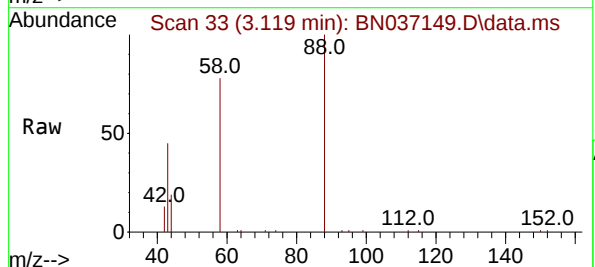


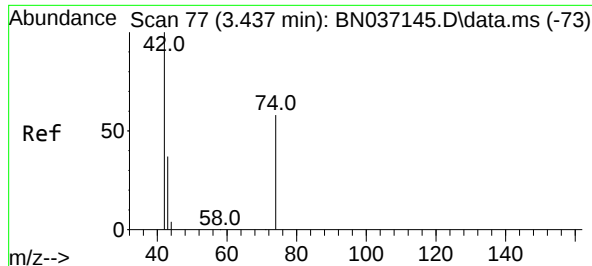
Tgt Ion:152 Resp: 2274
Ion Ratio Lower Upper
152 100
150 156.4 123.2 184.8
115 69.7 56.6 85.0



#2
1,4-Dioxane
Concen: 4.297 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion: 88 Resp: 13025
Ion Ratio Lower Upper
88 100
43 52.8 43.5 65.3
58 88.1 67.7 101.5

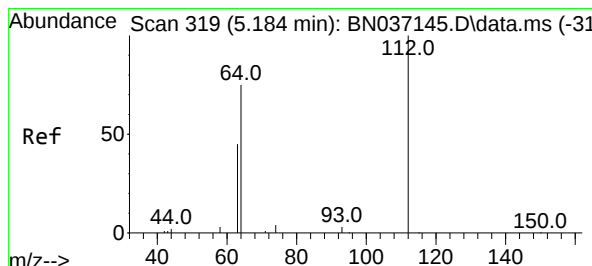
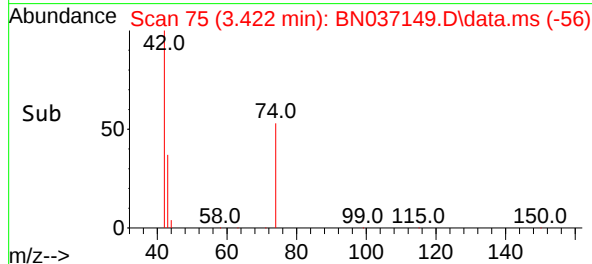
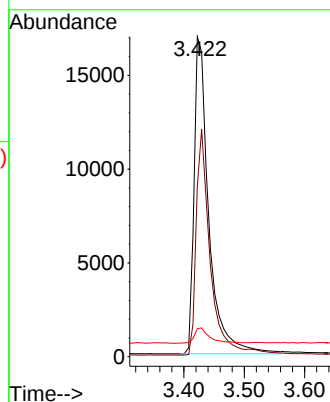
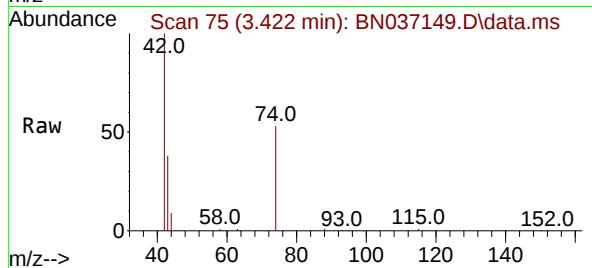




#3
n-Nitrosodimethylamine
Concen: 4.724 ng
RT: 3.422 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

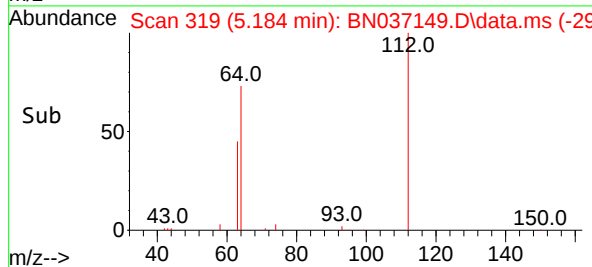
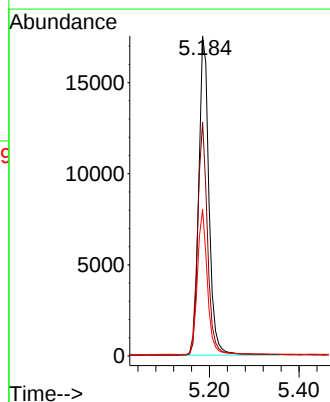
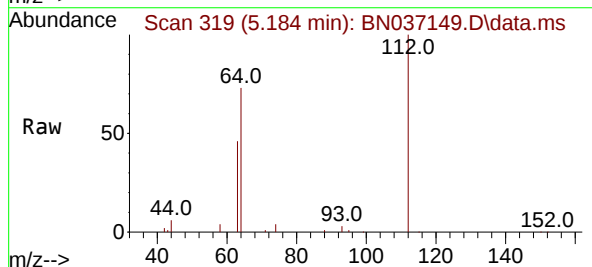
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

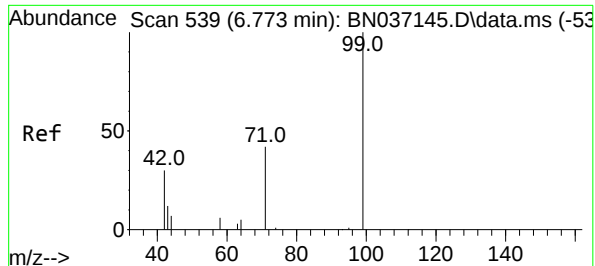
Tgt Ion: 42 Resp: 28752
Ion Ratio Lower Upper
42 100
74 68.0 53.0 79.4
44 5.0 5.9 8.9#



#4
2-Fluorophenol
Concen: 4.928 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion: 112 Resp: 27710
Ion Ratio Lower Upper
112 100
64 70.9 56.3 84.5
63 44.5 36.2 54.4

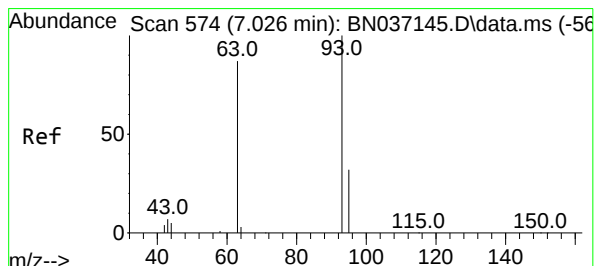
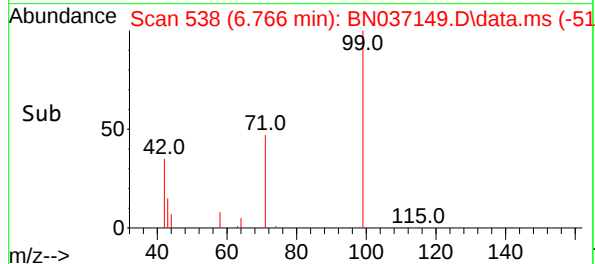
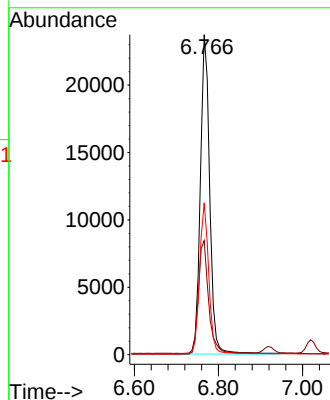
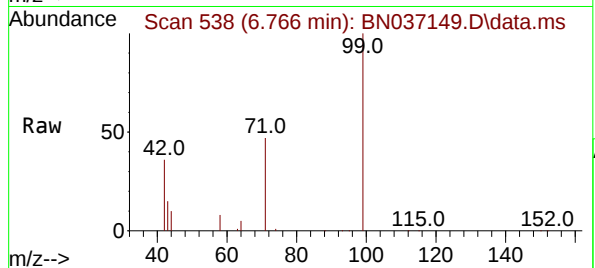




#5
Phenol-d6
Concen: 5.359 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

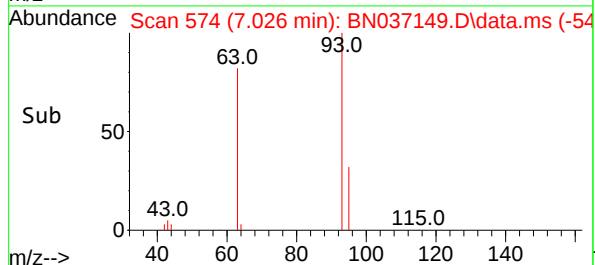
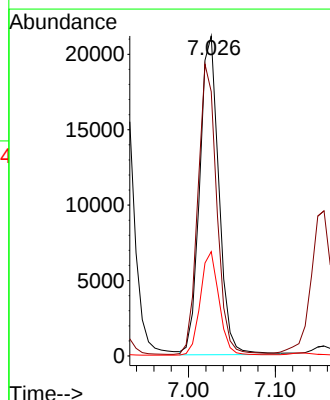
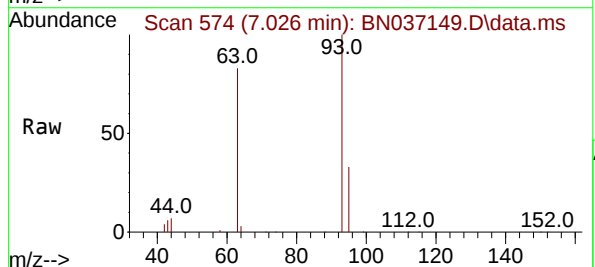
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

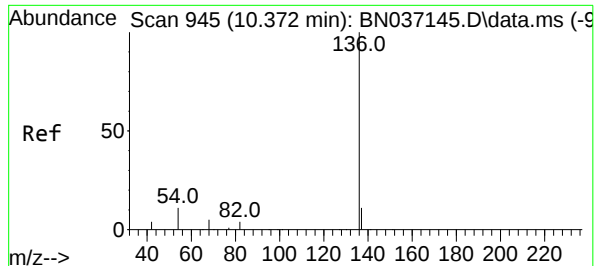
Tgt Ion: 99 Resp: 36531
Ion Ratio Lower Upper
99 100
42 38.3 31.3 46.9
71 46.9 38.2 57.2



#6
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion: 93 Resp: 32562
Ion Ratio Lower Upper
93 100
63 89.2 68.6 103.0
95 31.7 24.3 36.5

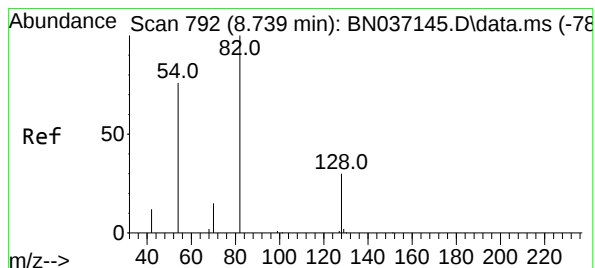
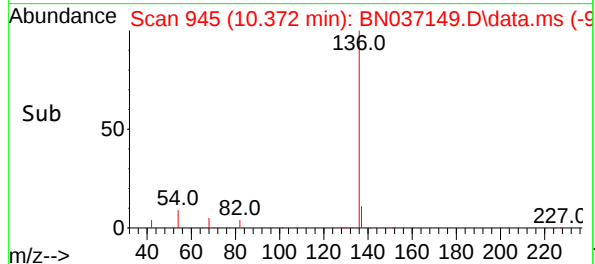
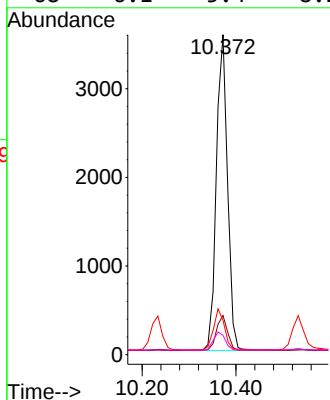
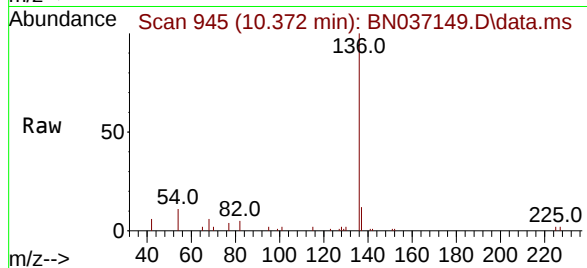




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

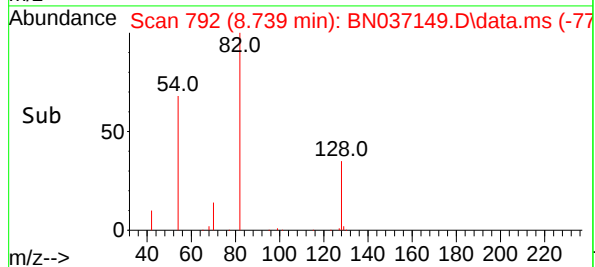
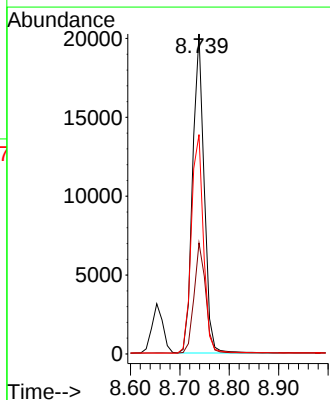
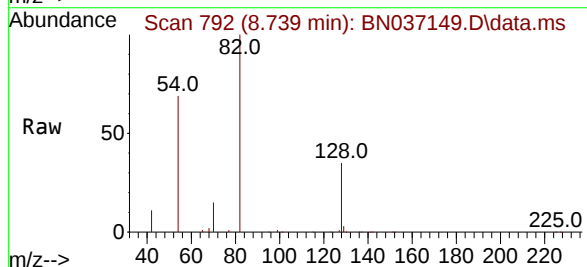
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

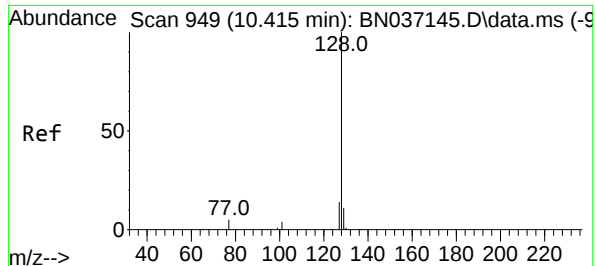
Tgt Ion:	136	Resp:	5863
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	10.7	9.7	14.5
68	6.1	5.4	8.2



#8
Nitrobenzene-d5
Concen: 5.285 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:	82	Resp:	32690
Ion	Ratio	Lower	Upper
82	100		
128	34.7	26.9	40.3
54	68.6	61.4	92.2

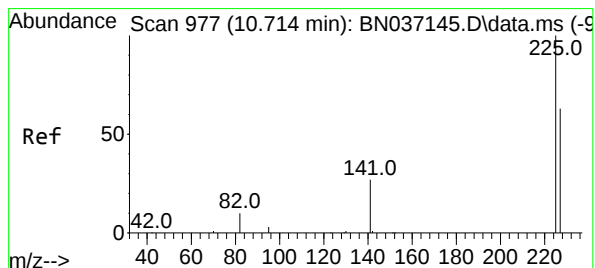
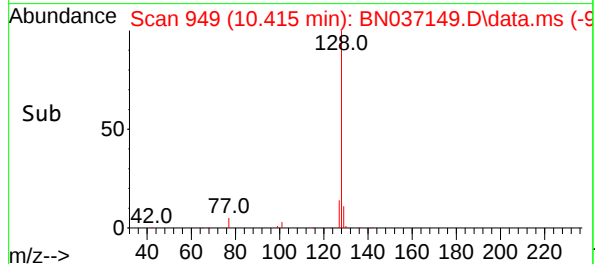
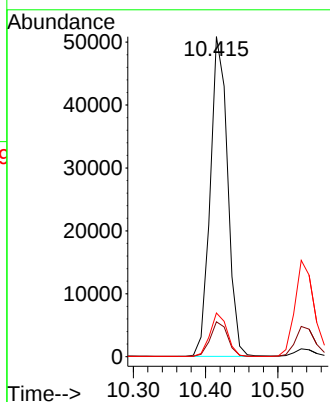
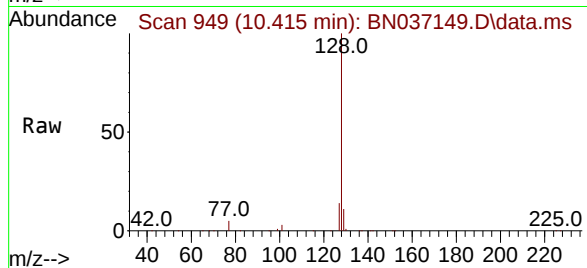




#9
Naphthalene
Concen: 5.024 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

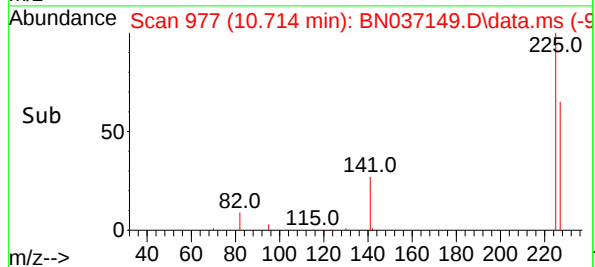
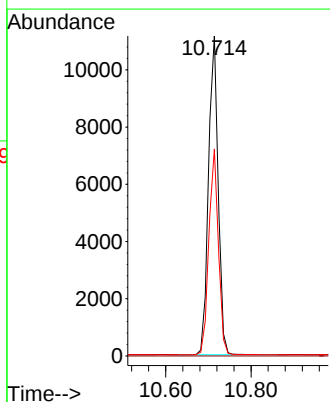
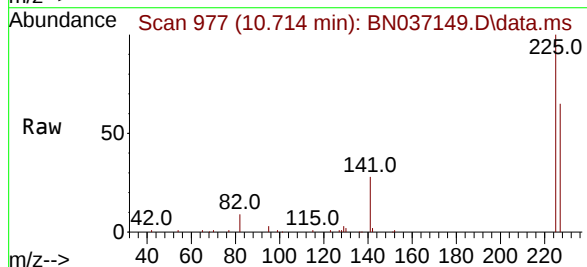
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

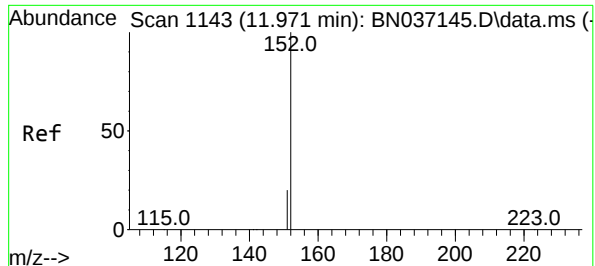
Tgt Ion	128	129	127
Resp:	84983		
Ion Ratio	100	10.9	13.6
Lower		9.8	12.3
Upper		14.8	18.5



#10
Hexachlorobutadiene
Concen: 4.735 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion	225	223	227
Resp:	17448		
Ion Ratio	100	0.0	63.6
Lower		0.0	50.3
Upper		0.0	75.5

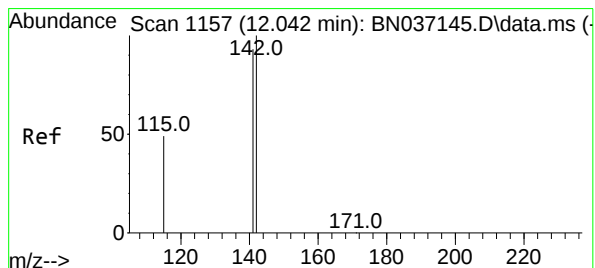
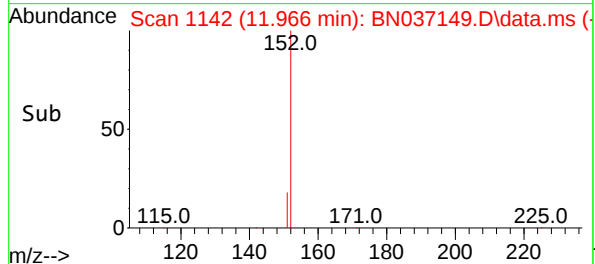
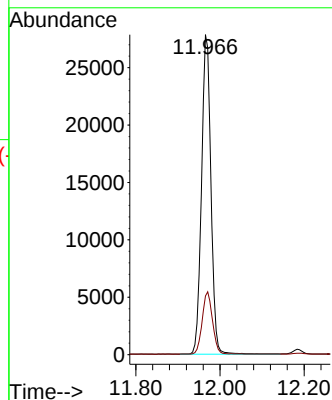
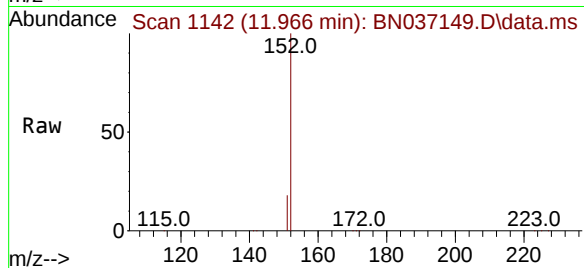




#11
2-Methylnaphthalene-d10
Concen: 5.283 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

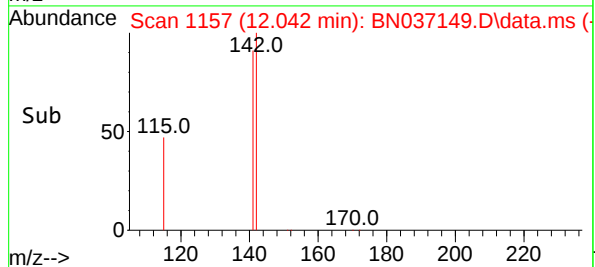
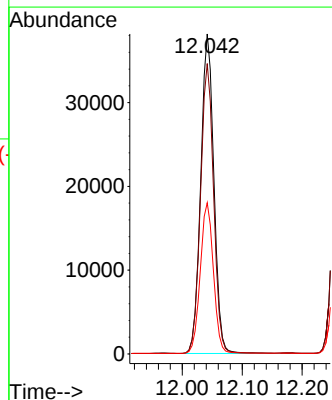
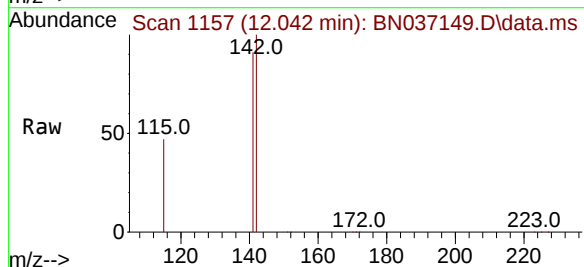
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

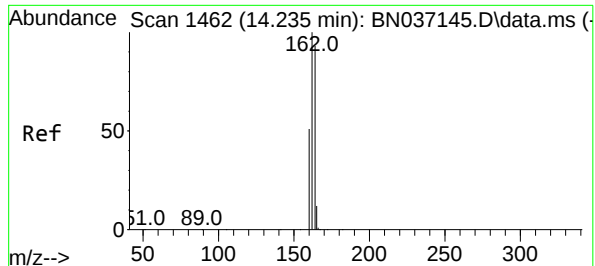
Tgt Ion:152 Resp: 43118
Ion Ratio Lower Upper
152 100
151 21.3 17.1 25.7



#12
2-Methylnaphthalene
Concen: 5.358 ng
RT: 12.042 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:142 Resp: 58095
Ion Ratio Lower Upper
142 100
141 90.7 74.6 111.8
115 47.2 41.0 61.4

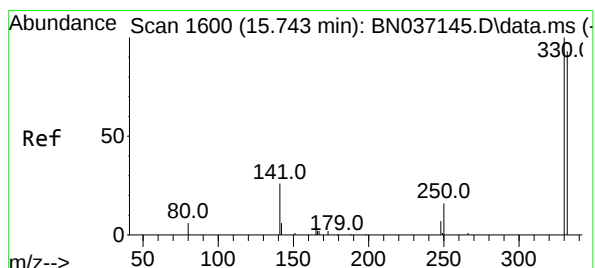
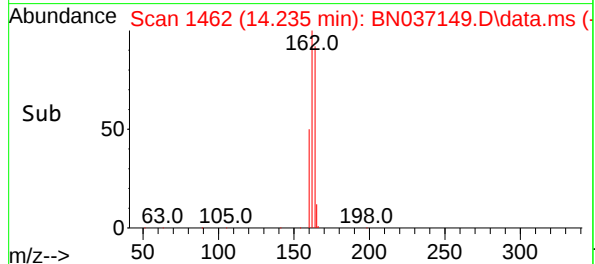
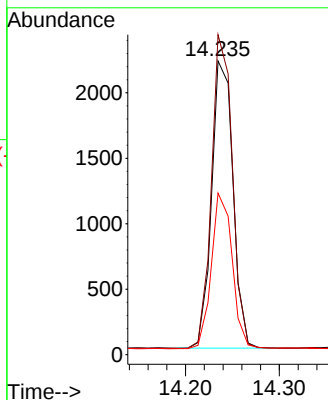
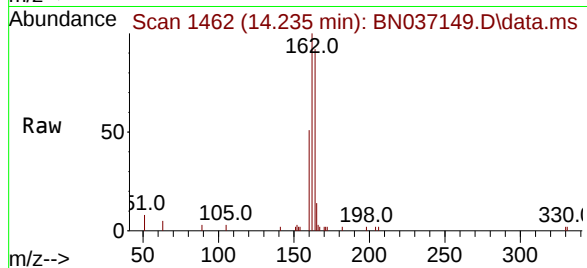




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

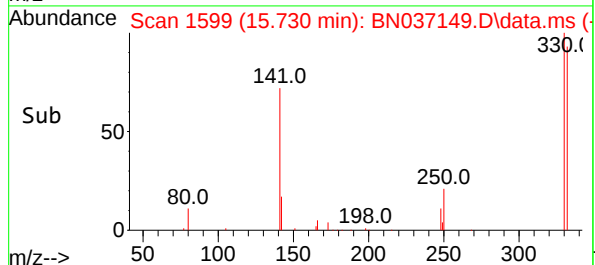
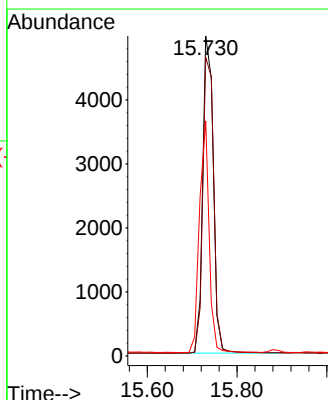
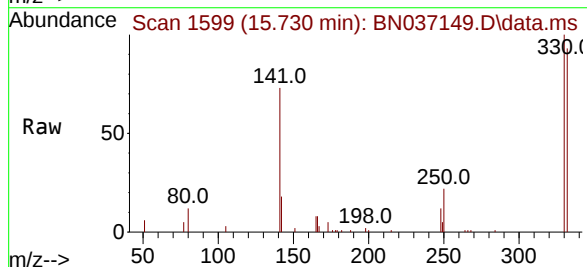
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

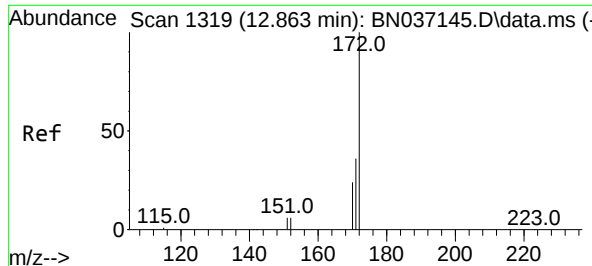
Tgt Ion:164 Resp: 3467
Ion Ratio Lower Upper
164 100
162 108.9 85.5 128.3
160 55.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 5.789 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:330 Resp: 8081
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 66.9 46.4 69.6

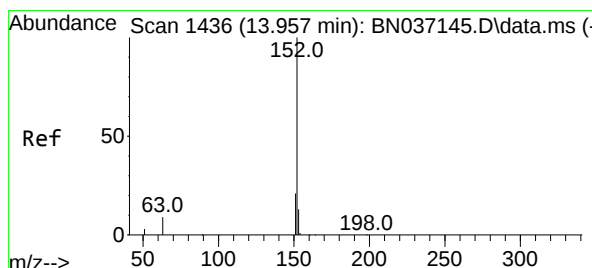
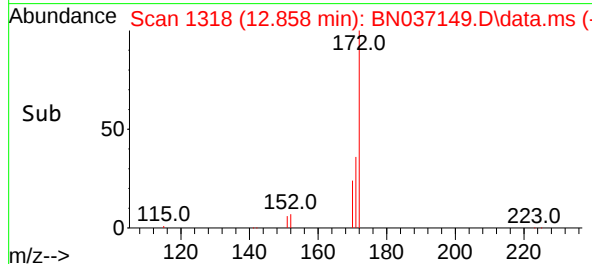
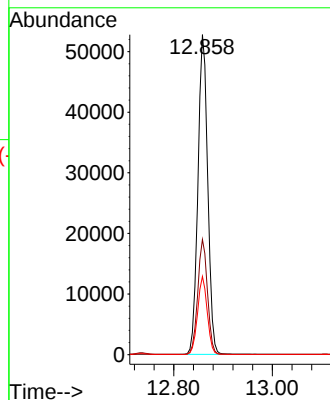
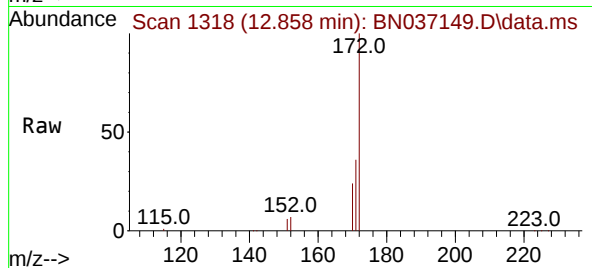




#15
2-Fluorobiphenyl
Concen: 5.056 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

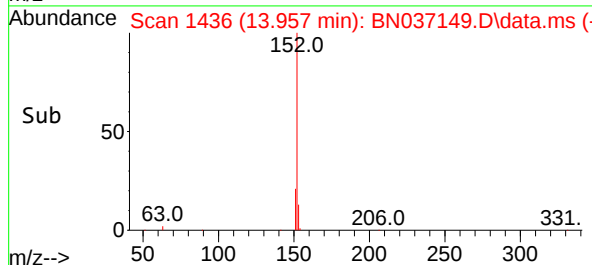
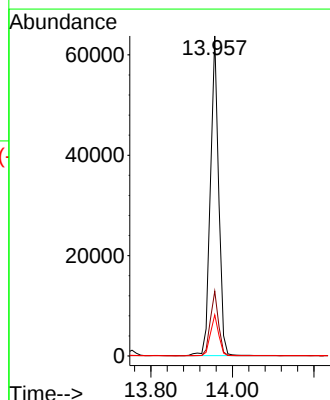
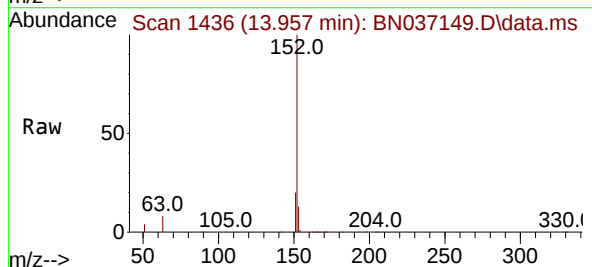
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

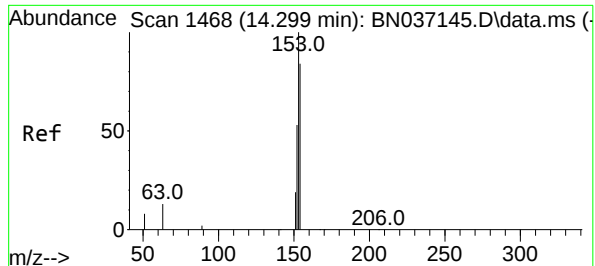
Tgt Ion:172 Resp: 74736
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.4 20.3 30.5



#16
Acenaphthylene
Concen: 5.291 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:152 Resp: 89938
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 12.9 10.6 15.8

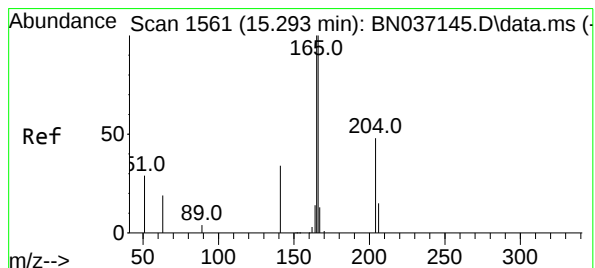
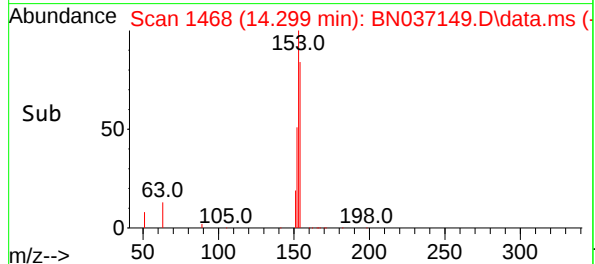
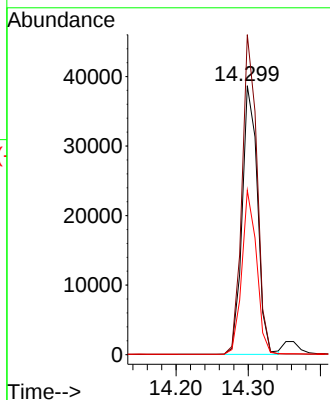
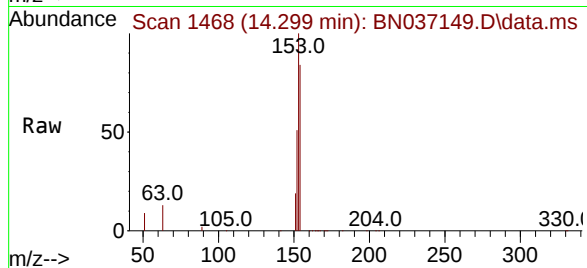




#17
Acenaphthene
Concen: 5.184 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

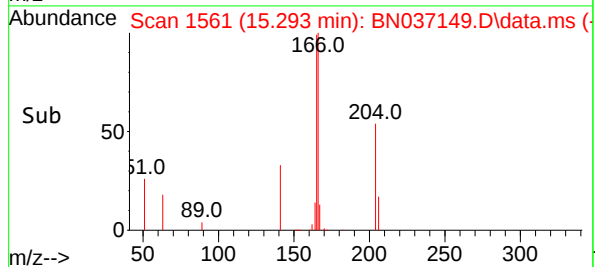
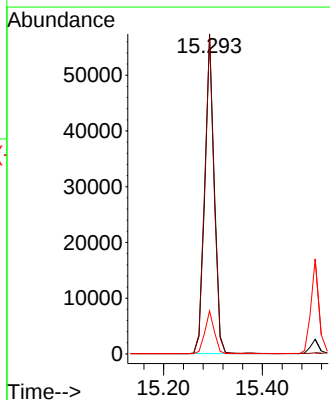
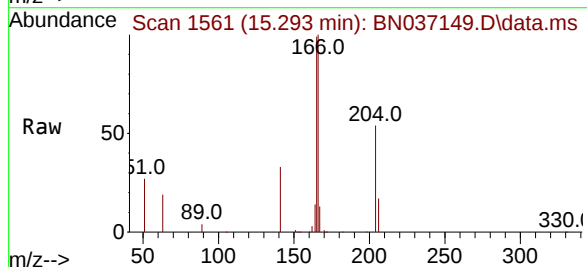
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

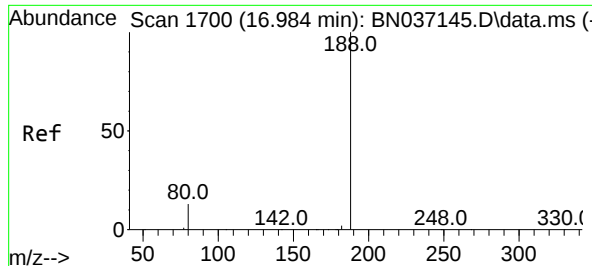
Tgt Ion:154 Resp: 57215
Ion Ratio Lower Upper
154 100
153 116.0 93.8 140.8
152 58.8 50.5 75.7



#18
Fluorene
Concen: 5.233 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:166 Resp: 75931
Ion Ratio Lower Upper
166 100
165 99.5 81.1 121.7
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

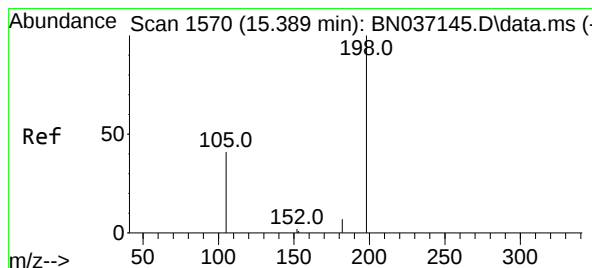
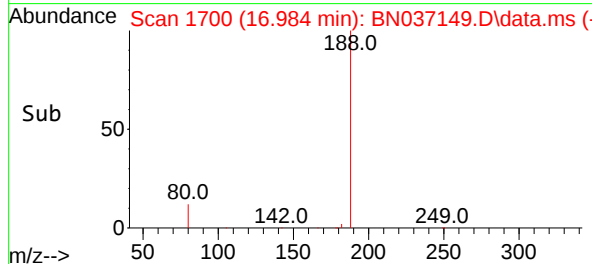
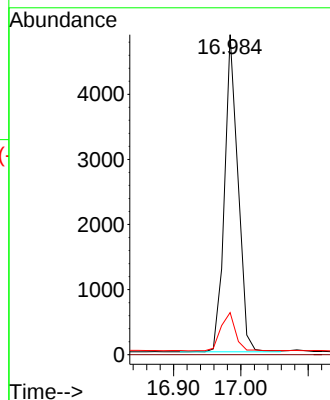
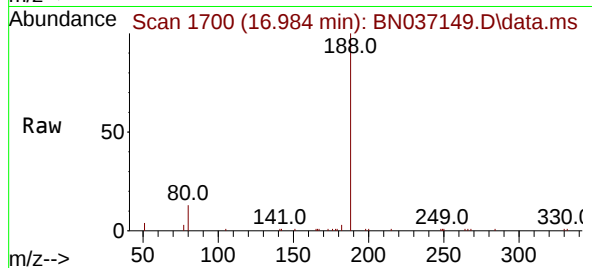
Tgt Ion:188 Resp: 6764

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.2 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 5.124 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

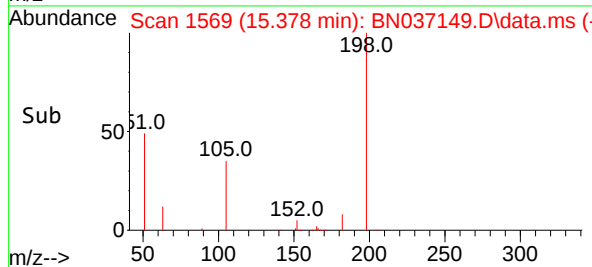
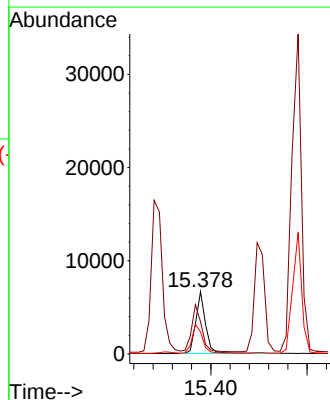
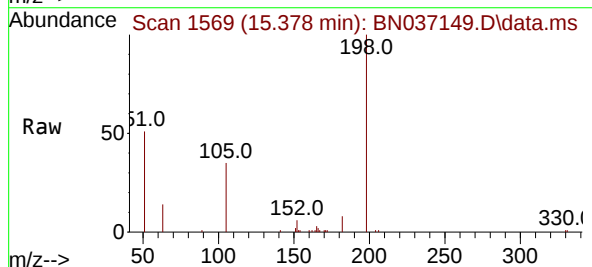
Tgt Ion:198 Resp: 9612

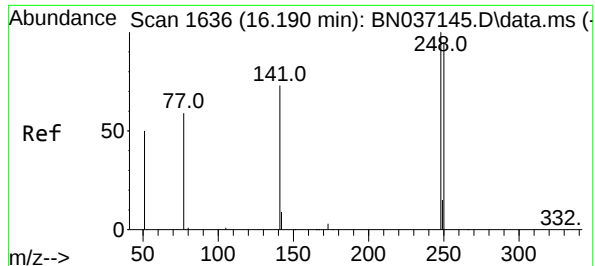
Ion Ratio Lower Upper

198 100

51 51.5 125.2 187.8#

105 35.5 57.1 85.7#

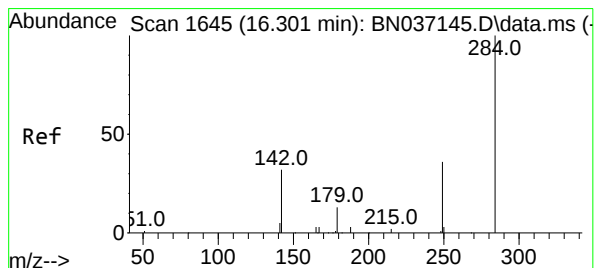
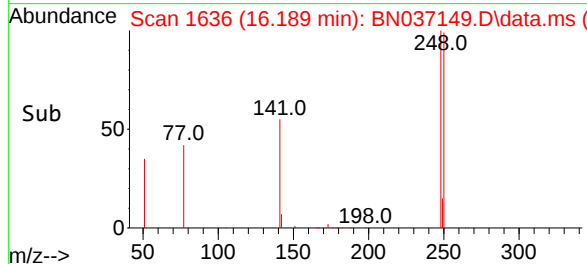
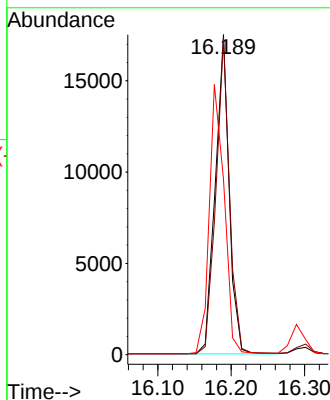
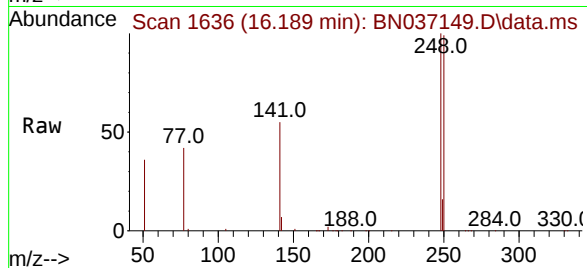




#21
4-Bromophenyl-phenylether
Concen: 5.173 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

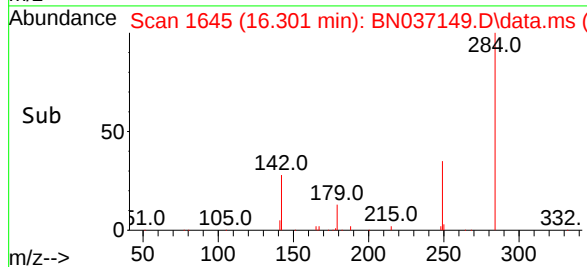
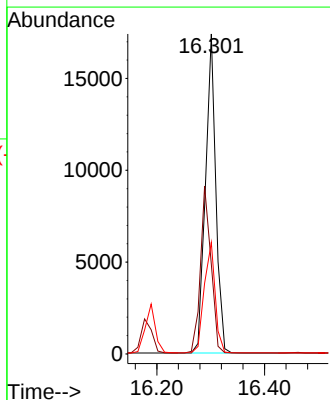
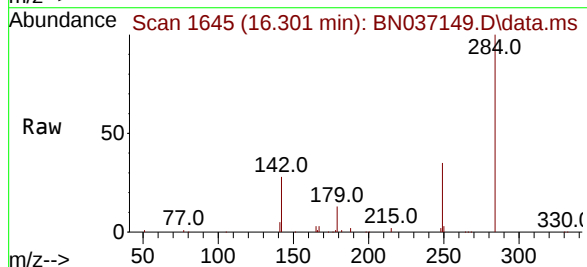
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

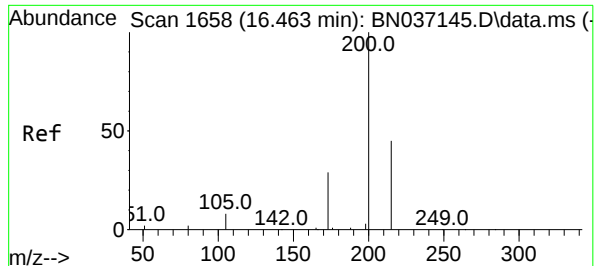
Tgt Ion:248 Resp: 22933
Ion Ratio Lower Upper
248 100
250 99.0 76.1 114.1
141 54.8 60.1 90.1#



#22
Hexachlorobenzene
Concen: 4.847 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:284 Resp: 23190
Ion Ratio Lower Upper
284 100
142 53.5 44.0 66.0
249 36.6 29.7 44.5

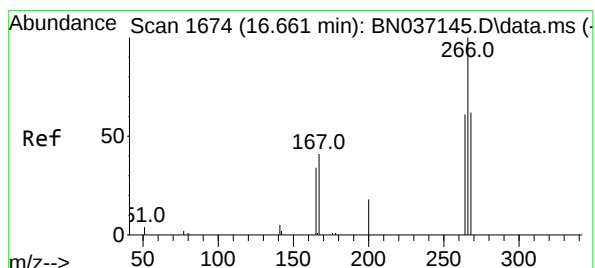
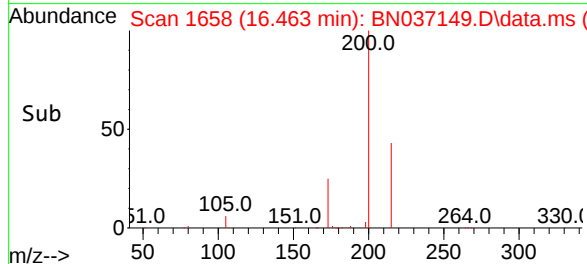
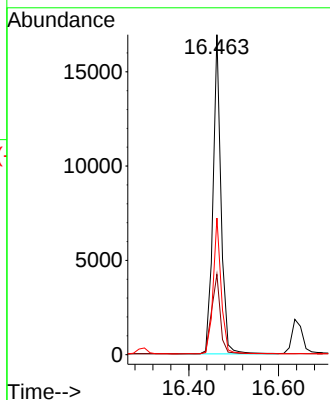
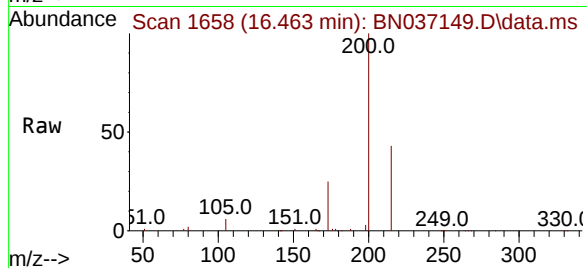




#23
Atrazine
Concen: 5.696 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

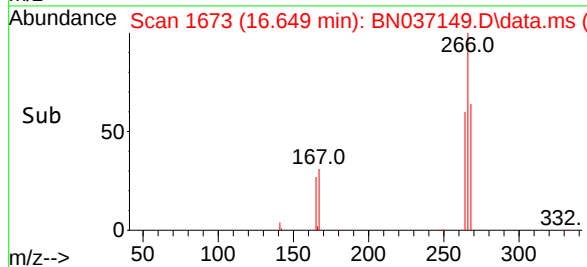
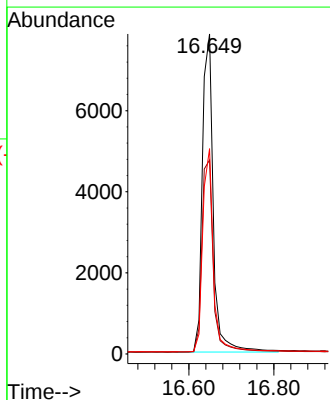
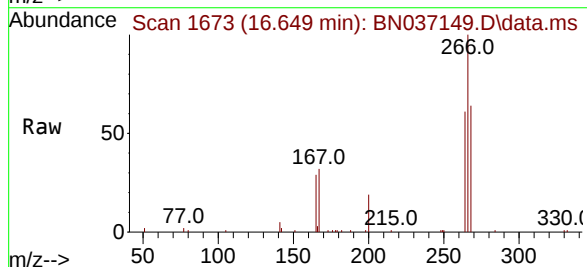
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

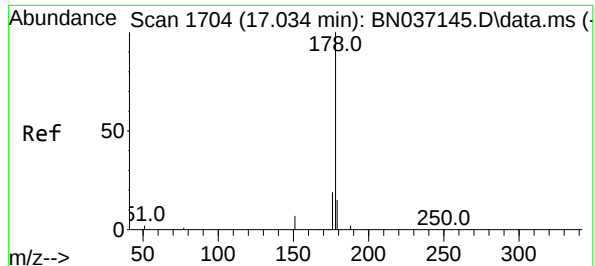
Tgt Ion:200 Resp: 20848
Ion Ratio Lower Upper
200 100
173 25.1 28.1 42.1#
215 42.7 39.3 58.9



#24
Pentachlorophenol
Concen: 5.085 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:266 Resp: 13952
Ion Ratio Lower Upper
266 100
264 63.2 49.3 73.9
268 62.7 49.0 73.4

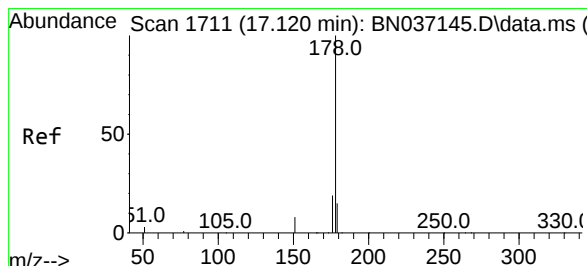
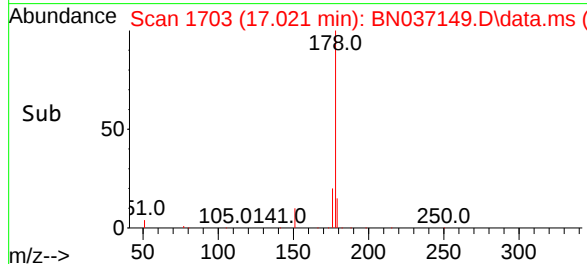
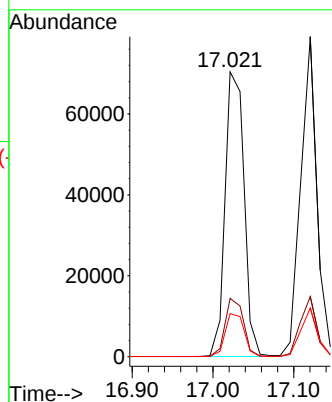
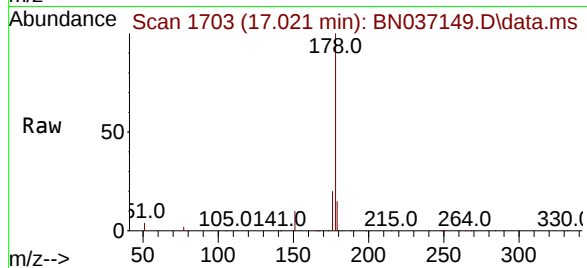




#25
Phenanthrene
Concen: 5.252 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

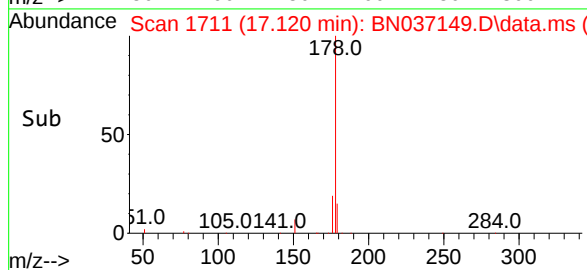
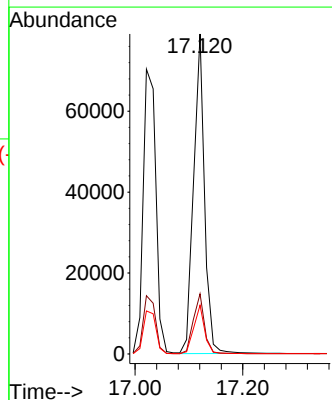
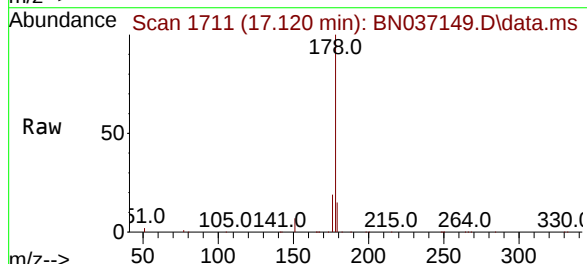
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

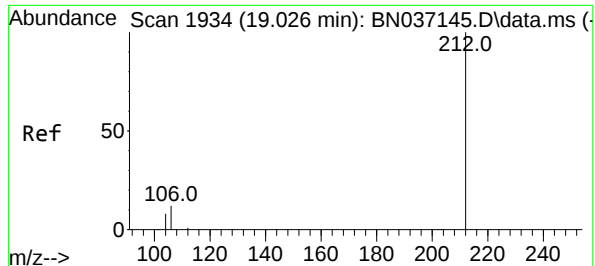
Tgt Ion:178 Resp: 115105
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.1 12.3 18.5



#26
Anthracene
Concen: 5.569 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:178 Resp: 111362
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.1 12.9 19.3





#27

Fluoranthene-d10

Concen: 5.482 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

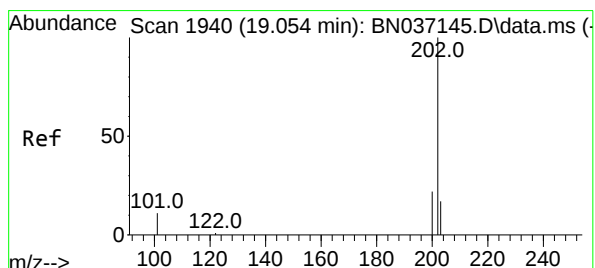
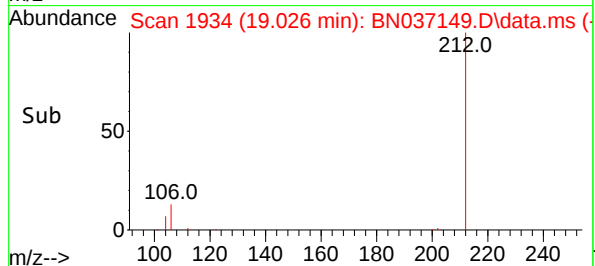
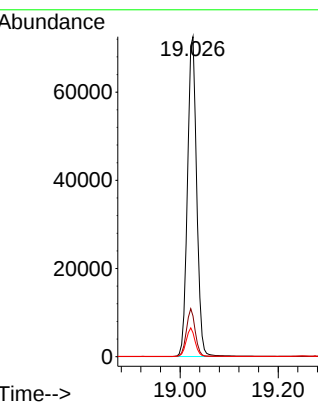
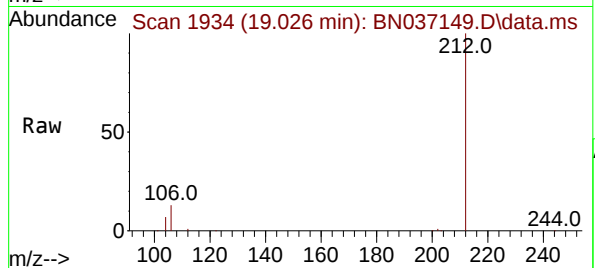
Tgt Ion:212 Resp: 94210

Ion Ratio Lower Upper

212 100

106 14.3 10.6 15.8

104 8.6 6.6 9.8



#28

Fluoranthene

Concen: 5.604 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

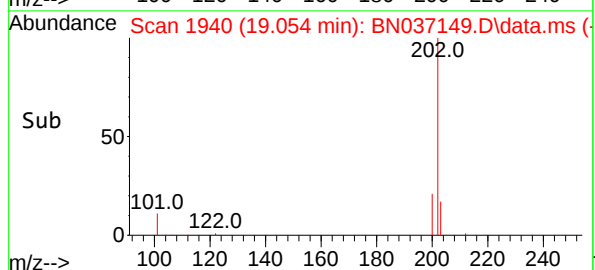
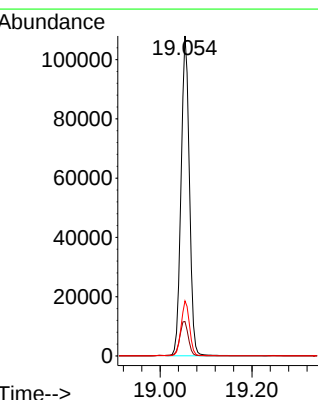
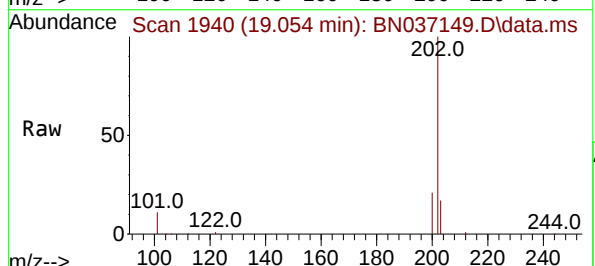
Tgt Ion:202 Resp: 135672

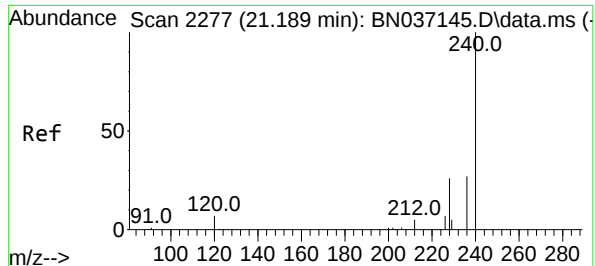
Ion Ratio Lower Upper

202 100

101 11.4 8.7 13.1

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

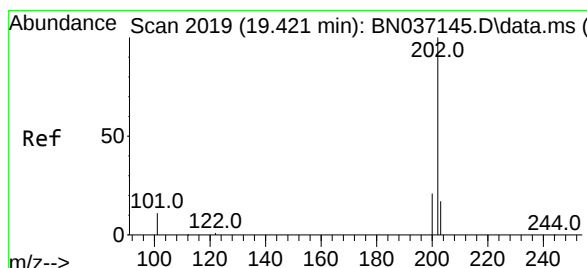
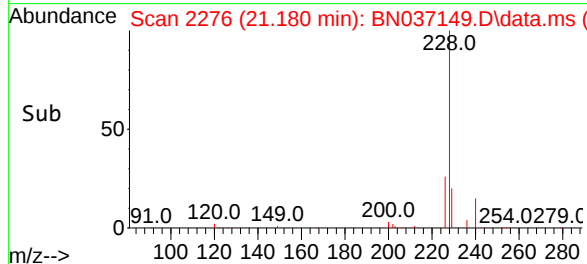
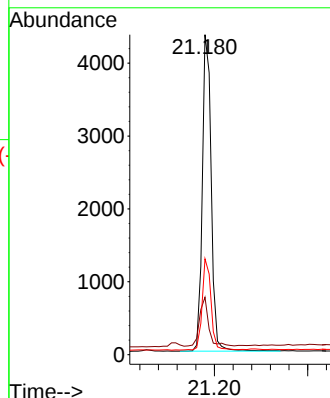
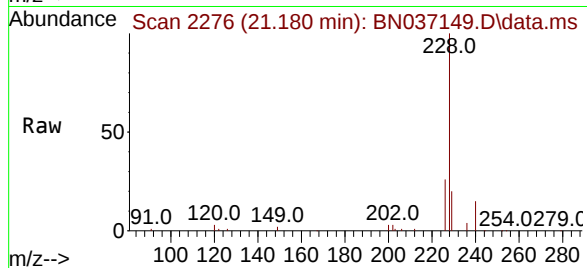
Tgt Ion:240 Resp: 5784

Ion Ratio Lower Upper

240 100

120 18.0 9.0 13.4#

236 30.0 23.0 34.4



#30

Pyrene

Concen: 4.827 ng

RT: 19.416 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

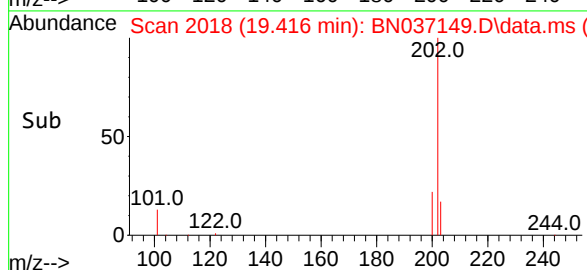
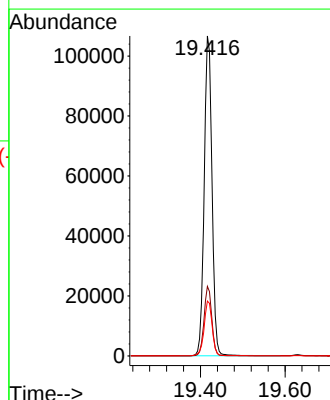
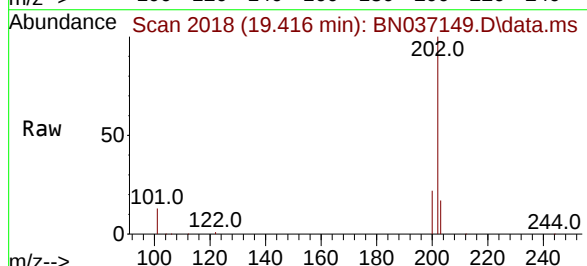
Tgt Ion:202 Resp: 136281

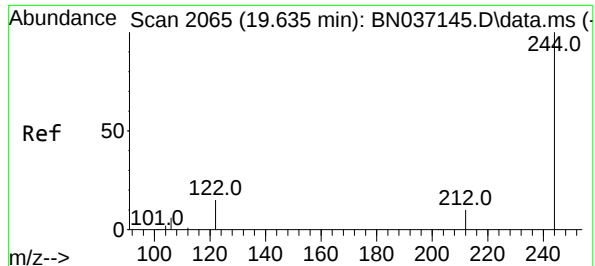
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.6 14.2 21.4

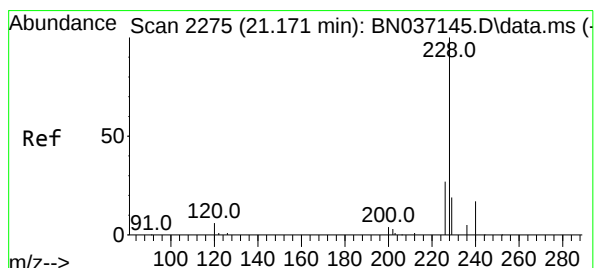
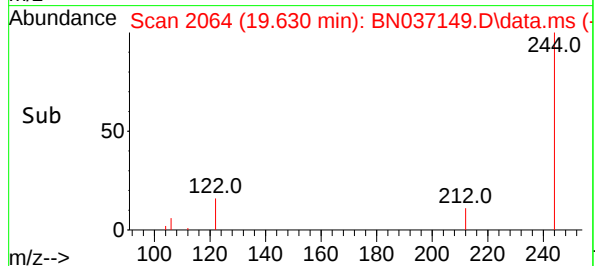
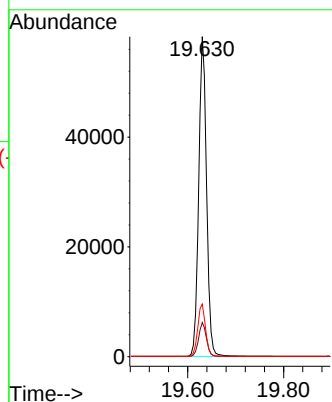
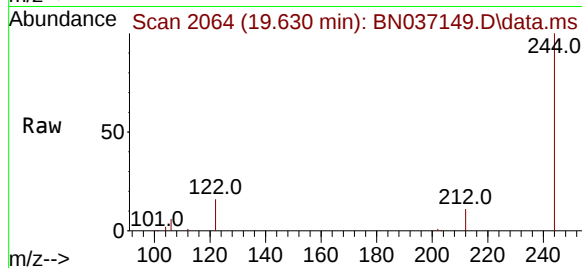




#31
Terphenyl-d14
Concen: 4.900 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

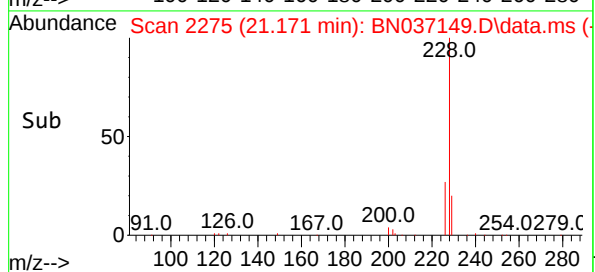
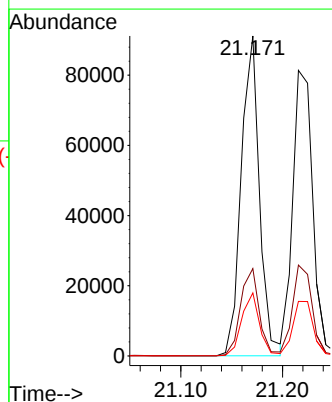
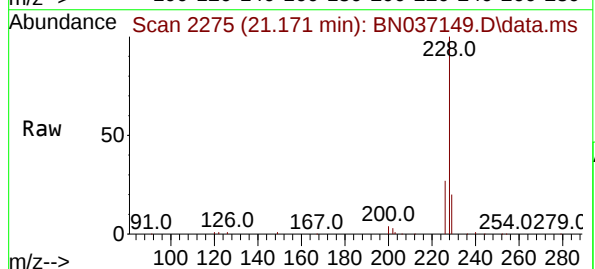
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

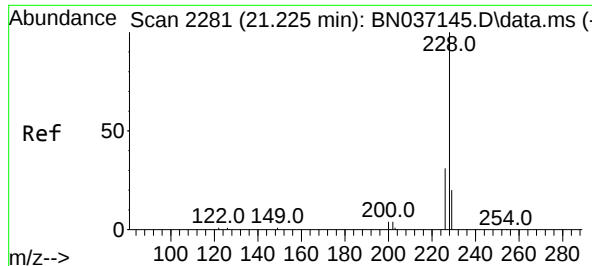
Tgt Ion:244 Resp: 66718
Ion Ratio Lower Upper
244 100
212 10.7 10.0 15.0
122 16.5 13.2 19.8



#32
Benzo(a)anthracene
Concen: 5.423 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

Tgt Ion:228 Resp: 113532
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 19.7 16.2 24.2





#33

Chrysene

Concen: 4.825 ng

RT: 21.216 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

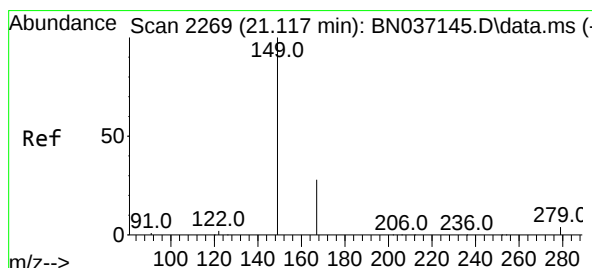
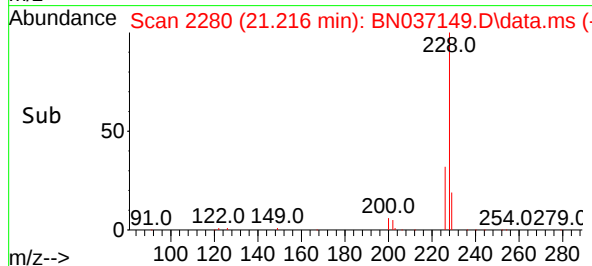
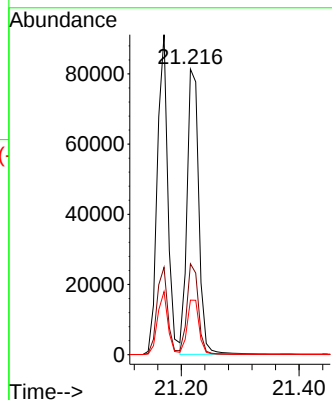
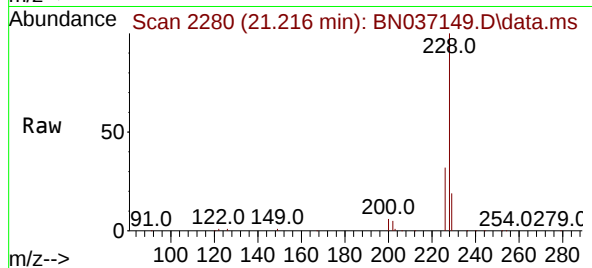
Tgt Ion:228 Resp: 112475

Ion Ratio Lower Upper

228 100

226 31.8 25.2 37.8

229 19.1 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.486 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

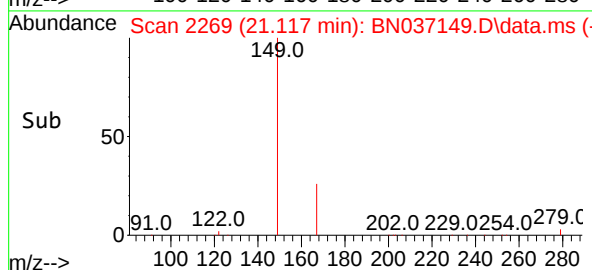
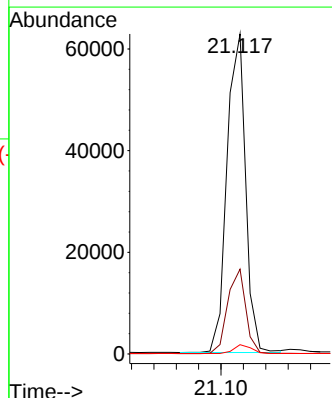
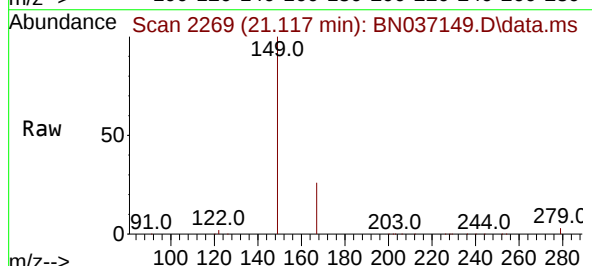
Tgt Ion:149 Resp: 72476

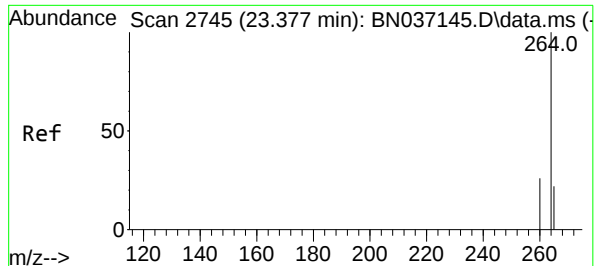
Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

279 2.6 2.9 4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

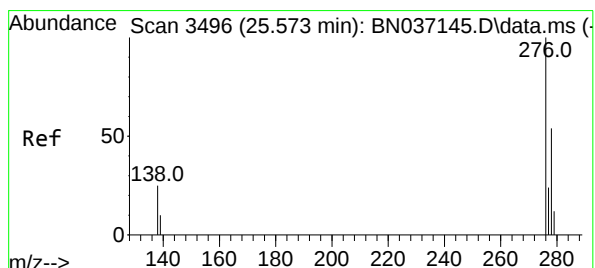
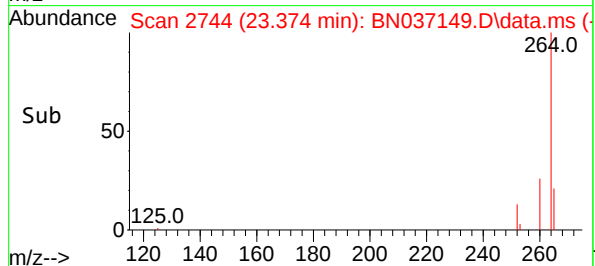
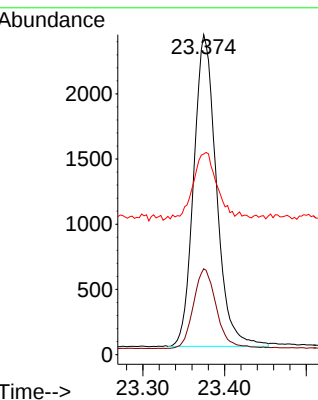
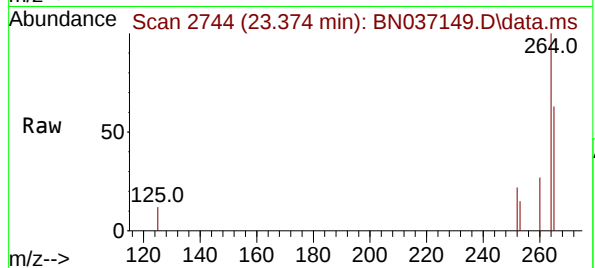
Tgt Ion:264 Resp: 4620

Ion Ratio Lower Upper

264 100

260 26.9 22.1 33.1

265 62.7 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 5.331 ng

RT: 25.573 min Scan# 3496

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

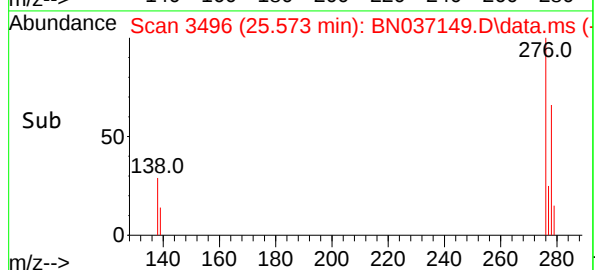
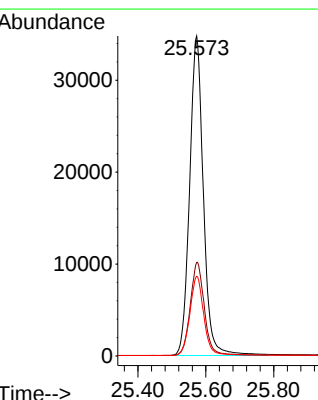
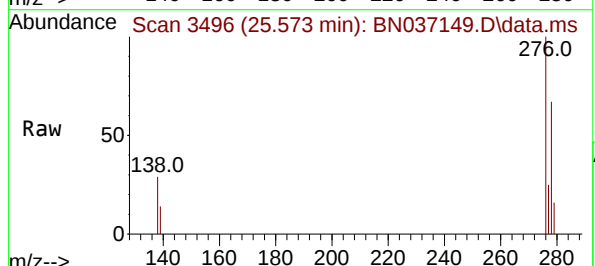
Tgt Ion:276 Resp: 97988

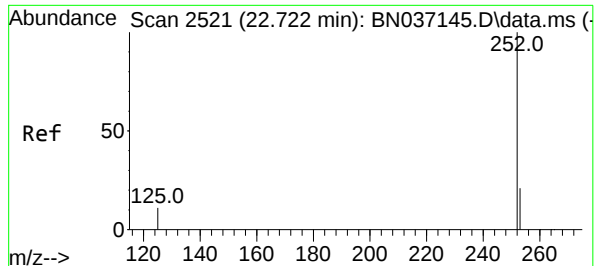
Ion Ratio Lower Upper

276 100

138 29.9 21.0 31.6

277 25.0 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 5.516 ng

RT: 22.720 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

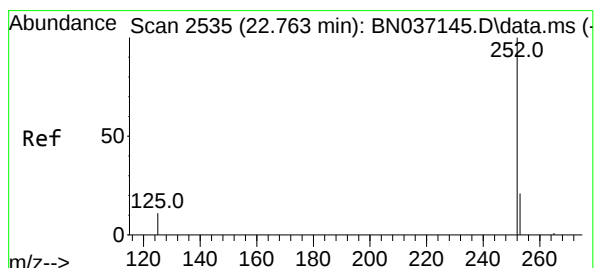
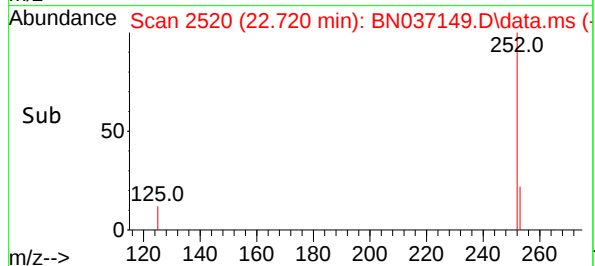
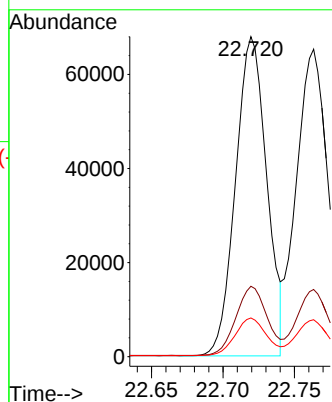
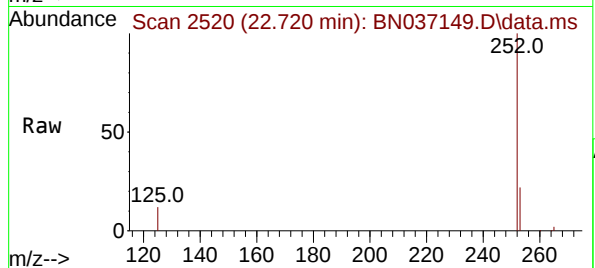
Tgt Ion:252 Resp: 102873

Ion Ratio Lower Upper

252 100

253 22.0 22.3 33.5#

125 12.1 13.2 19.8#



#38

Benzo(k)fluoranthene

Concen: 5.475 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

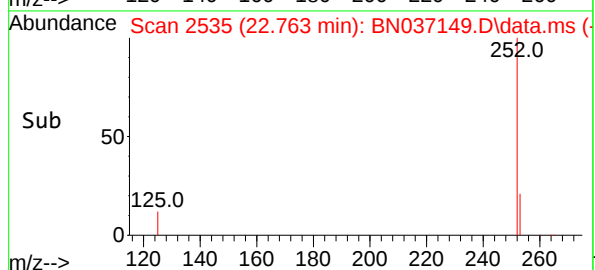
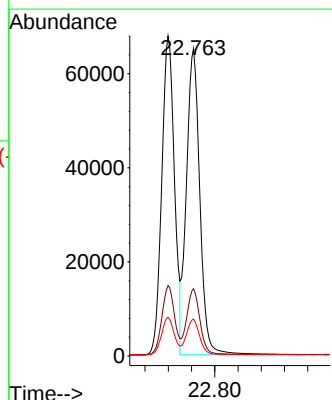
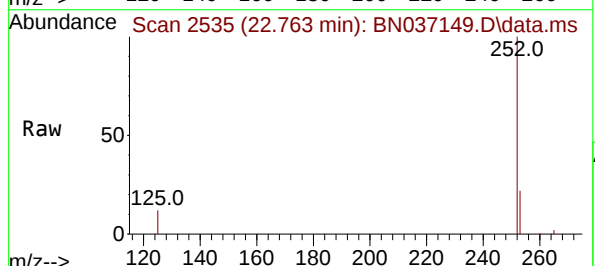
Tgt Ion:252 Resp: 104252

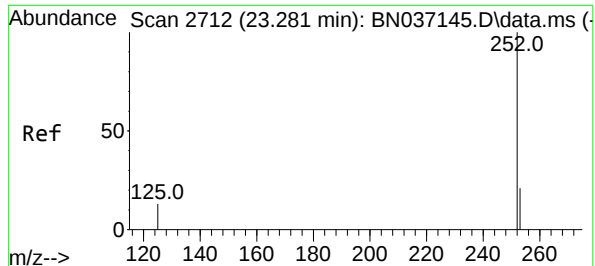
Ion Ratio Lower Upper

252 100

253 21.8 22.2 33.4#

125 12.0 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 5.474 ng

RT: 23.278 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037149.D

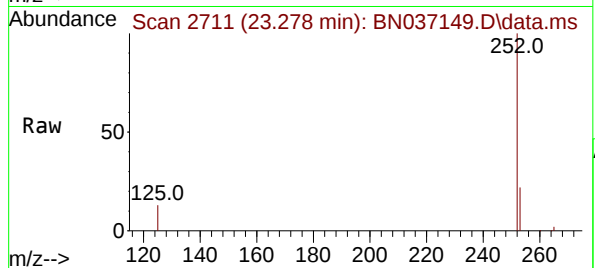
Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



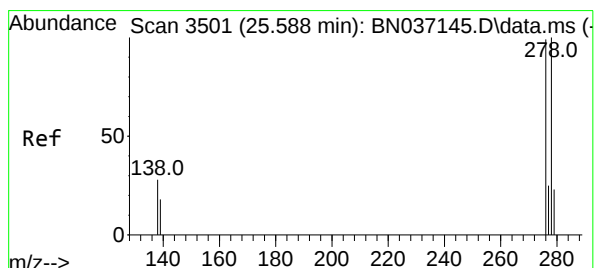
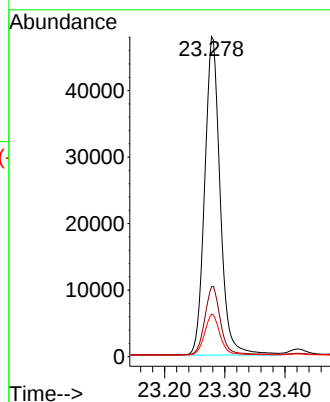
Tgt Ion:252 Resp: 85510

Ion Ratio Lower Upper

252 100

253 21.9 25.0 37.4#

125 13.3 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 5.411 ng

RT: 25.585 min Scan# 3500

Delta R.T. -0.003 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

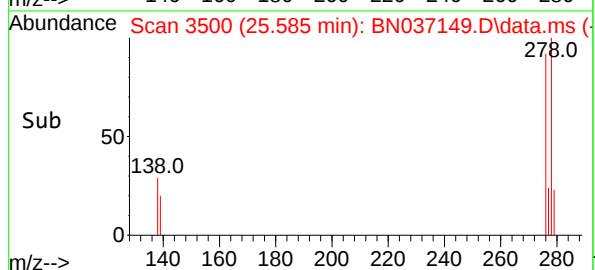
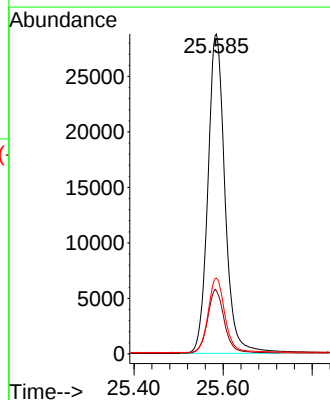
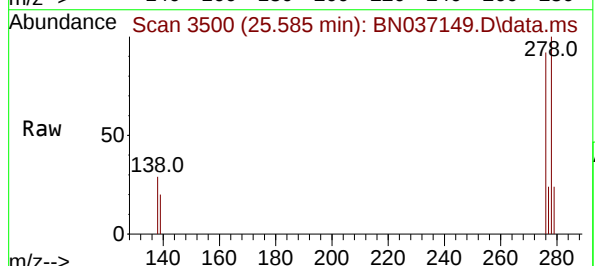
Tgt Ion:278 Resp: 76694

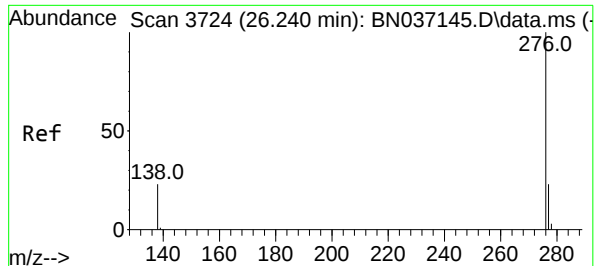
Ion Ratio Lower Upper

278 100

139 19.8 17.6 26.4

279 23.7 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 5.054 ng

RT: 26.243 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037149.D

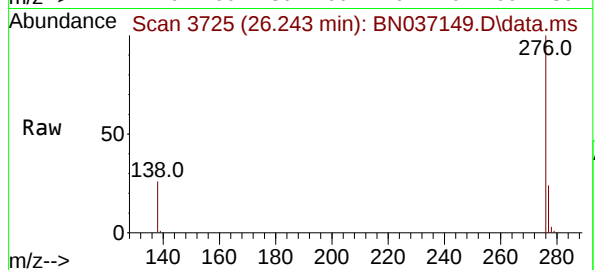
Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



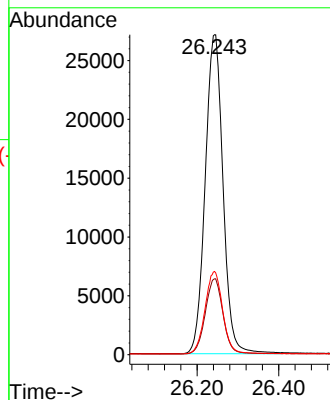
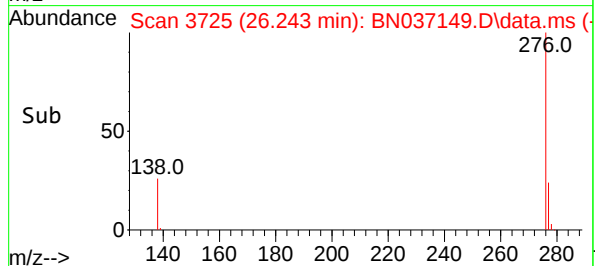
Tgt Ion:276 Resp: 82277

Ion Ratio Lower Upper

276 100

277 23.7 20.9 31.3

138 26.0 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037150.D
 Acq On : 03 Jun 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN060325

Quant Time: Jun 04 01:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

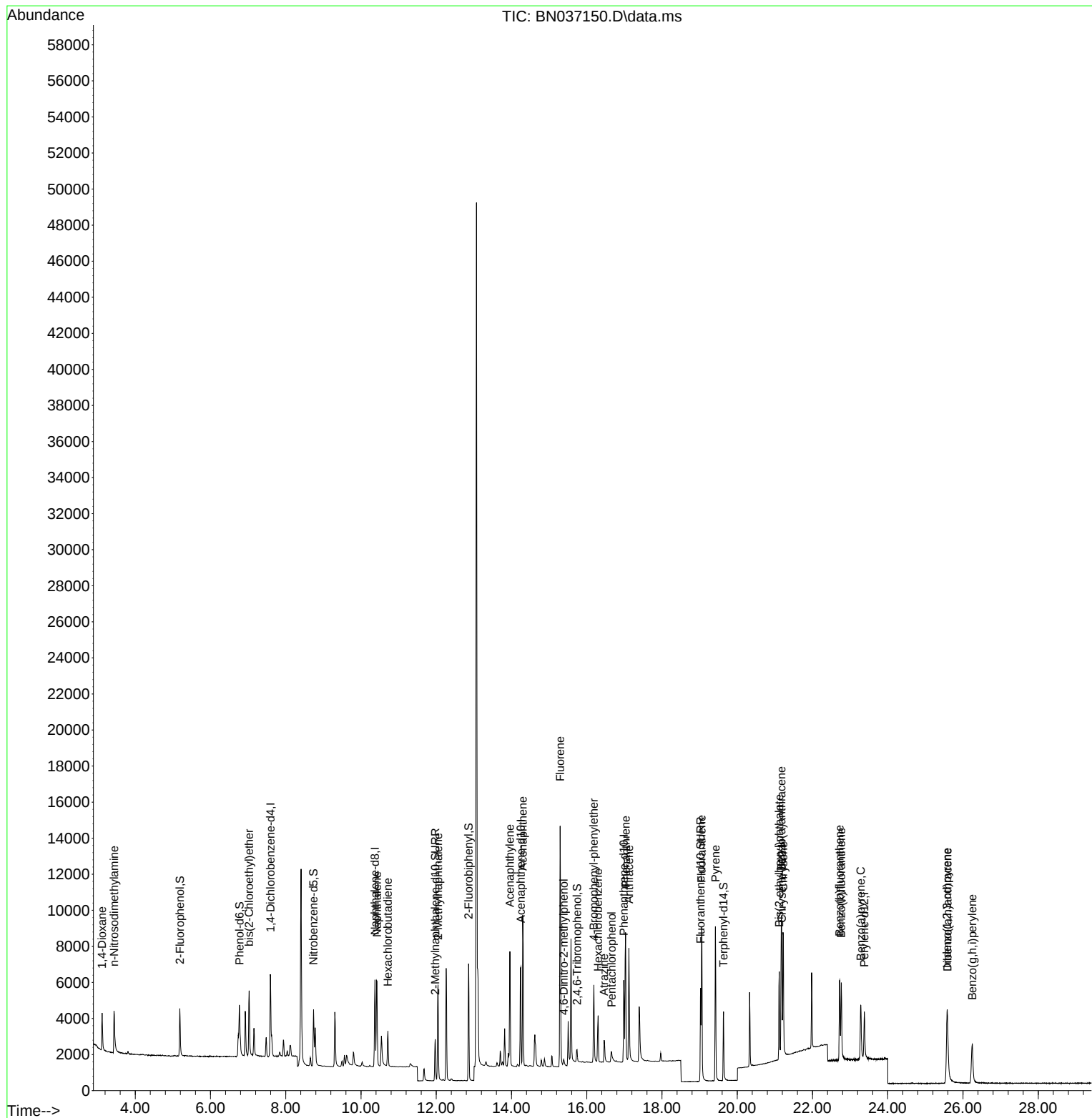
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	2254	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5892	0.400	ng	0.00
13) Acenaphthene-d10	14.245	164	3320	0.400	ng	0.01
19) Phenanthrene-d10	16.984	188	6332	0.400	ng	0.00
29) Chrysene-d12	21.189	240	4292	0.400	ng	0.00
35) Perylene-d12	23.377	264	3564	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	2014	0.361	ng	0.00
5) Phenol-d6	6.773	99	2419	0.358	ng	0.00
8) Nitrobenzene-d5	8.739	82	2473	0.398	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	3266	0.398	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	440	0.329	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	5696	0.402	ng	0.00
27) Fluoranthene-d10	19.026	212	6037	0.375	ng	0.00
31) Terphenyl-d14	19.635	244	4196	0.415	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.119	88	1242	0.413	ng	98
3) n-Nitrosodimethylamine	3.437	42	2355	0.390	ng	100
6) bis(2-Chloroethyl)ether	7.026	93	2715	0.421	ng	100
9) Naphthalene	10.426	128	6699	0.394	ng	98
10) Hexachlorobutadiene	10.714	225	1489	0.402	ng	# 99
12) 2-Methylnaphthalene	12.047	142	3839	0.352	ng	96
16) Acenaphthylene	13.957	152	6575	0.404	ng	100
17) Acenaphthene	14.299	154	3940	0.373	ng	100
18) Fluorene	15.293	166	5182	0.373	ng	99
20) 4,6-Dinitro-2-methylph...	15.389	198	348	0.462	ng	84
21) 4-Bromophenyl-phenylether	16.189	248	1544	0.372	ng	98
22) Hexachlorobenzene	16.301	284	1743	0.389	ng	99
23) Atrazine	16.463	200	1282	0.374	ng	97
24) Pentachlorophenol	16.661	266	591	0.436	ng	97
25) Phenanthrene	17.033	178	7869	0.384	ng	100
26) Anthracene	17.120	178	7105	0.380	ng	99
28) Fluoranthene	19.054	202	8186	0.361	ng	99
30) Pyrene	19.421	202	8148	0.389	ng	99
32) Benzo(a)anthracene	21.171	228	5949	0.383	ng	99
33) Chrysene	21.224	228	6661	0.385	ng	99
34) Bis(2-ethylhexyl)phtha...	21.117	149	3635	0.371	ng	99
36) Indeno(1,2,3-cd)pyrene	25.573	276	5461	0.385	ng	100
37) Benzo(b)fluoranthene	22.720	252	5432	0.378	ng	100
38) Benzo(k)fluoranthene	22.763	252	5859	0.399	ng	100
39) Benzo(a)pyrene	23.281	252	4925	0.409	ng	99
40) Dibenzo(a,h)anthracene	25.588	278	4227	0.387	ng	100
41) Benzo(g,h,i)perylene	26.248	276	4620	0.368	ng	98

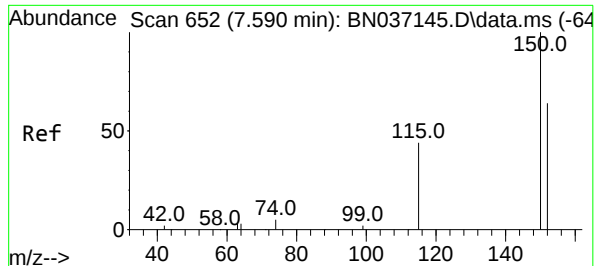
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037150.D
Acq On : 03 Jun 2025 15:53
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN060325

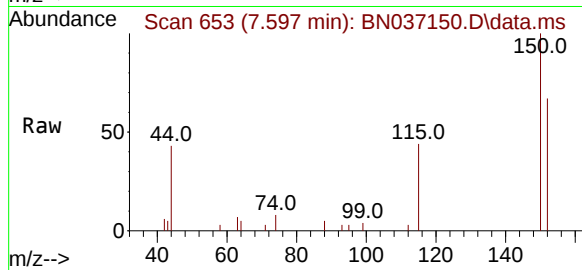
Quant Time: Jun 04 01:54:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



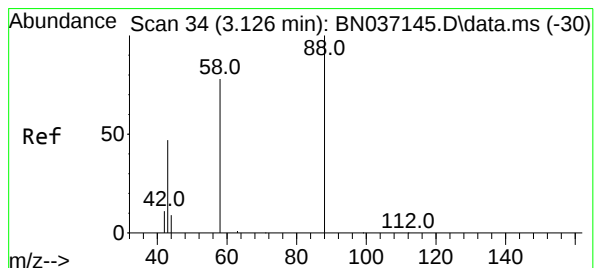
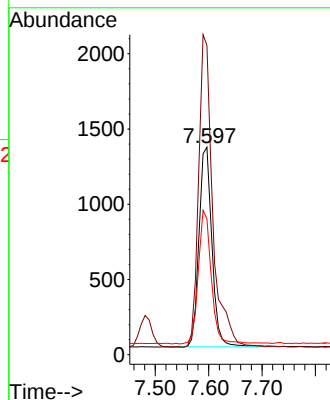
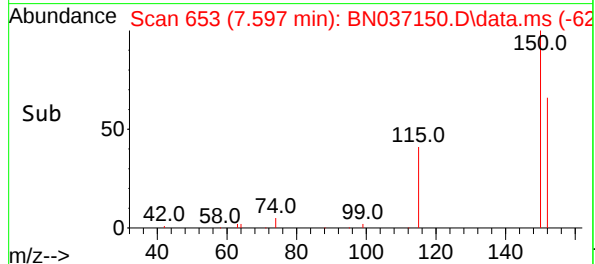


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Instrument :
BNA_N
ClientSampleId :
ICVBN060325

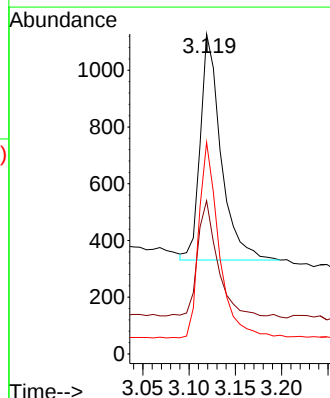
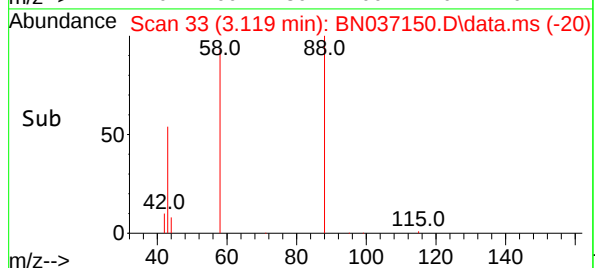
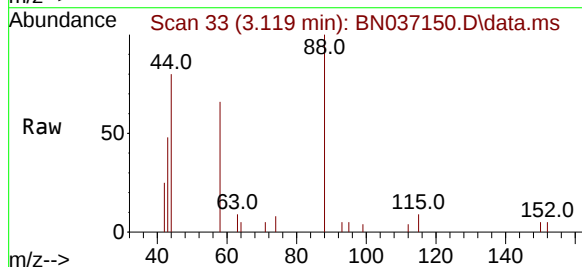


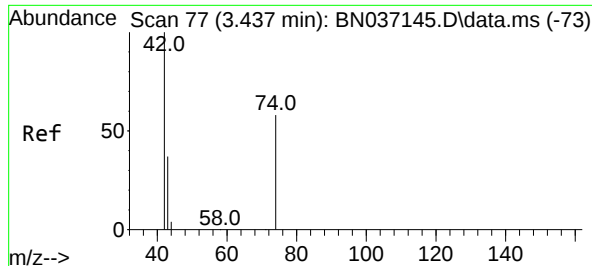
Tgt Ion:152 Resp: 2254
Ion Ratio Lower Upper
152 100
150 149.2 123.2 184.8
115 65.5 56.6 85.0



#2
1,4-Dioxane
Concen: 0.413 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion: 88 Resp: 1242
Ion Ratio Lower Upper
88 100
43 50.8 43.5 65.3
58 84.5 67.7 101.5

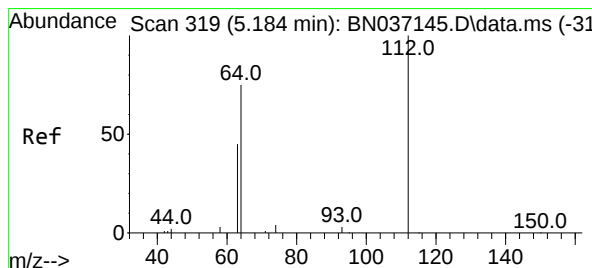
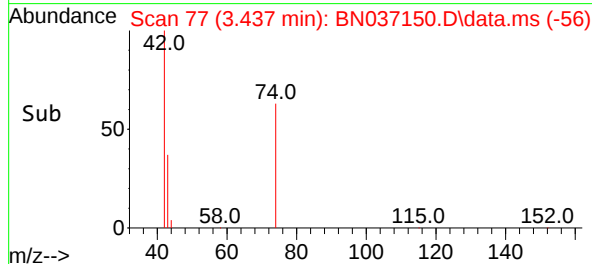
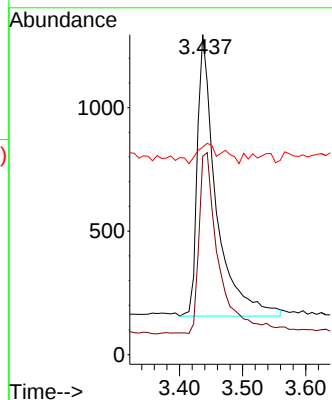
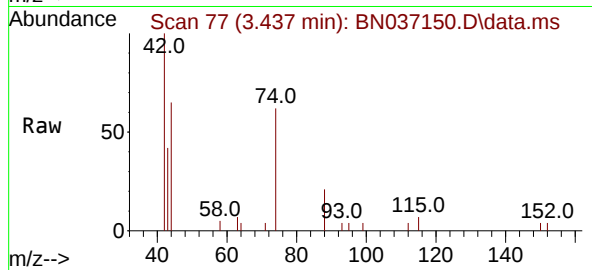




#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.437 min Scan# 77
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

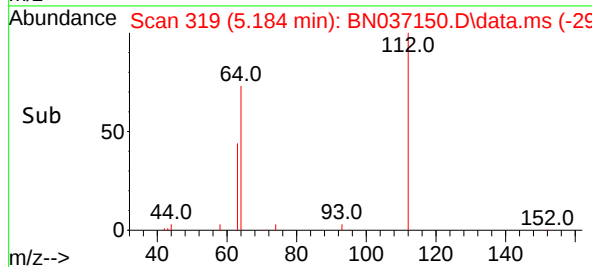
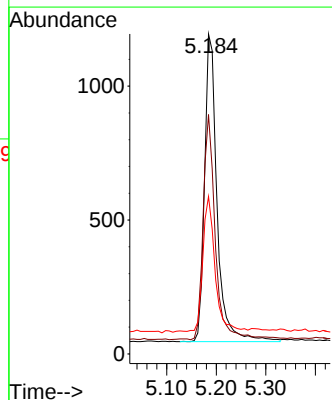
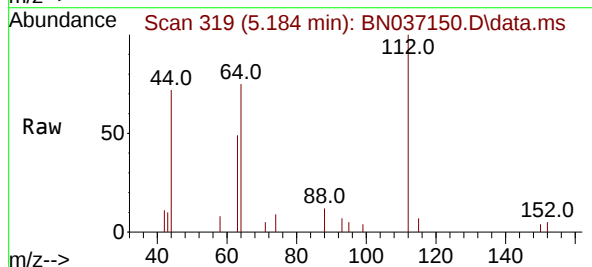
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

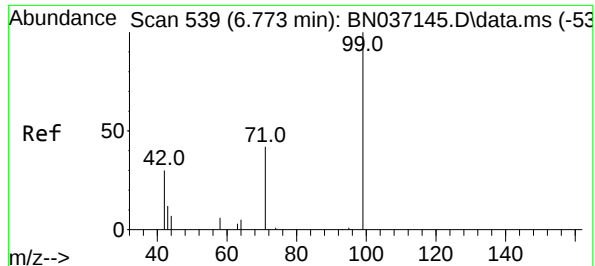
Tgt Ion: 42 Resp: 2355
Ion Ratio Lower Upper
42 100
74 66.5 53.0 79.4
44 6.9 5.9 8.9



#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion: 112 Resp: 2014
Ion Ratio Lower Upper
112 100
64 72.0 56.3 84.5
63 42.3 36.2 54.4

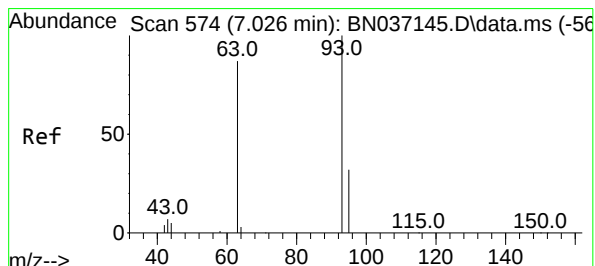
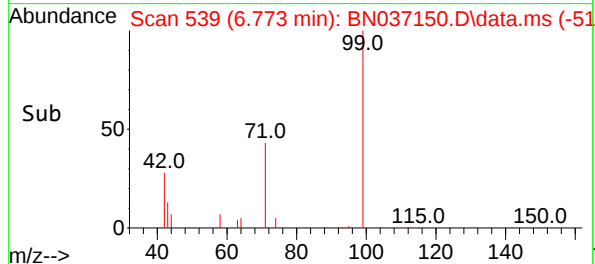
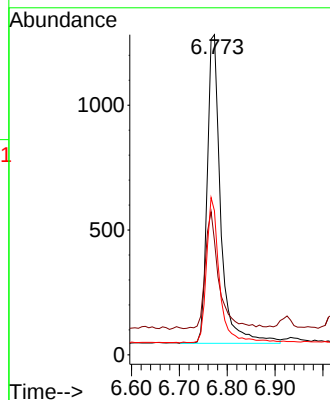
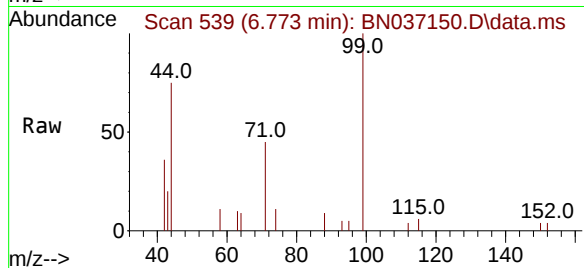




#5
Phenol-d6
Concen: 0.358 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

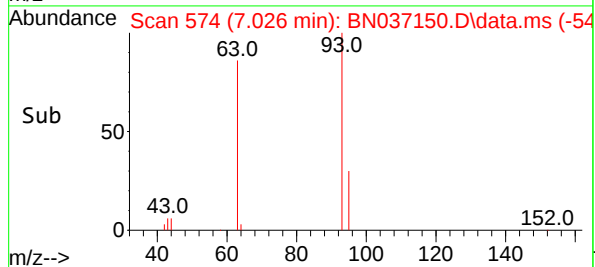
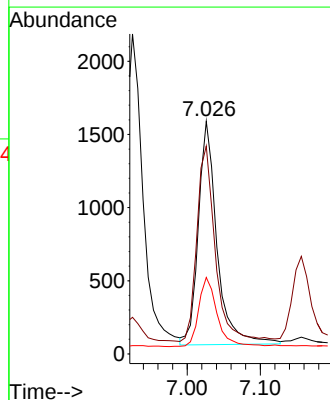
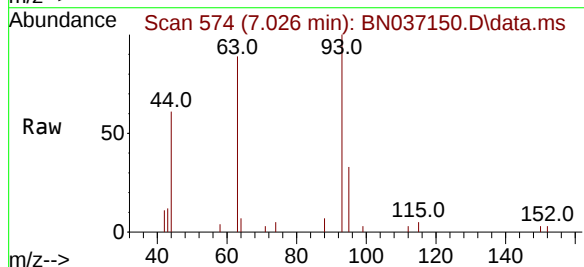
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

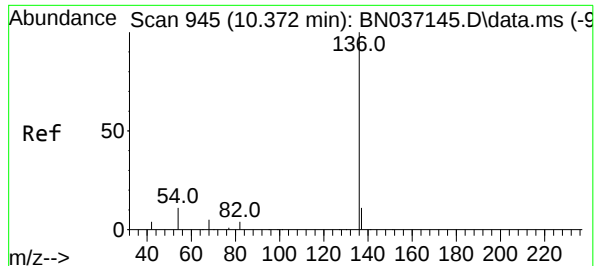
Tgt Ion:	99	Resp:	2419
Ion	Ratio	Lower	Upper
99	100		
42	38.5	31.3	46.9
71	45.7	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:	93	Resp:	2715
Ion	Ratio	Lower	Upper
93	100		
63	85.3	68.6	103.0
95	30.5	24.3	36.5

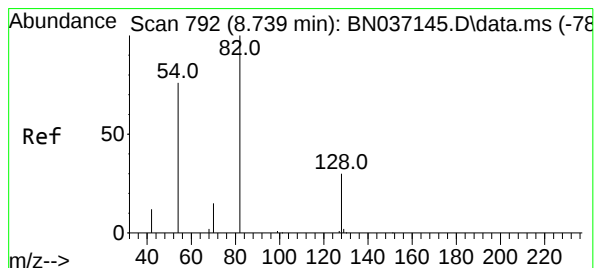
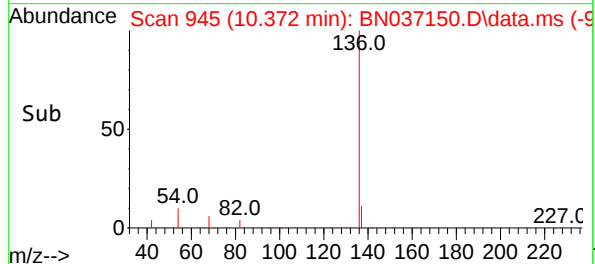
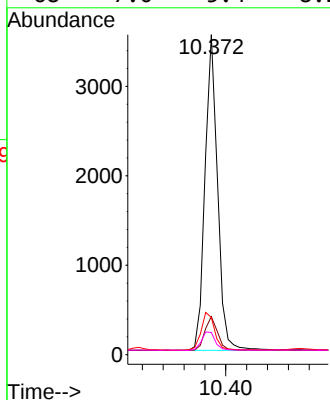
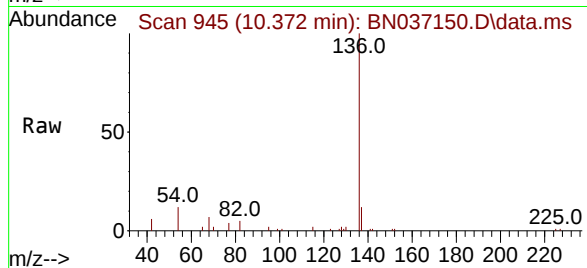




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

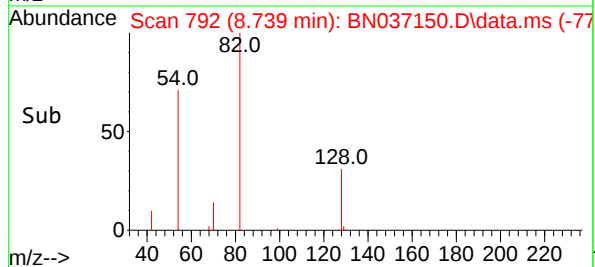
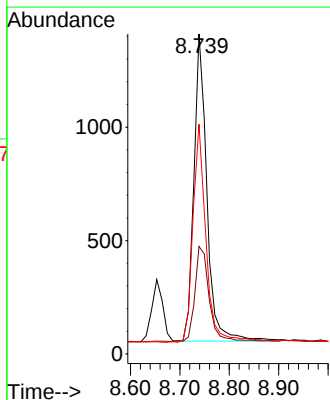
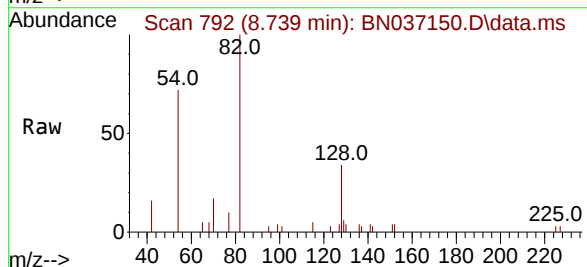
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

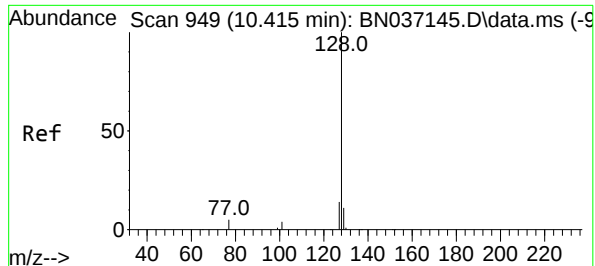
Tgt Ion:136 Resp: 5892
Ion Ratio Lower Upper
136 100
137 11.9 9.7 14.5
54 11.7 9.7 14.5
68 7.0 5.4 8.2



#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion: 82 Resp: 2473
Ion Ratio Lower Upper
82 100
128 33.6 26.9 40.3
54 71.8 61.4 92.2

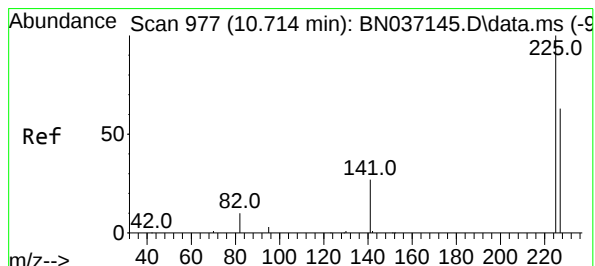
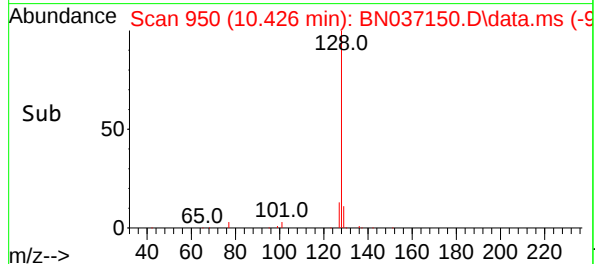
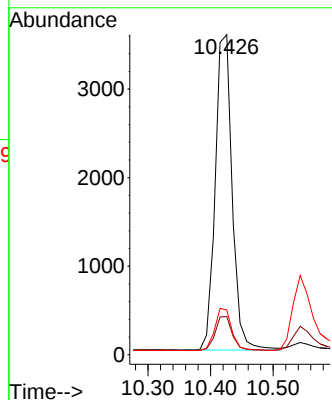
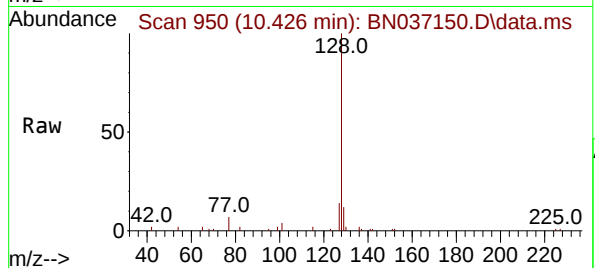




#9
Naphthalene
Concen: 0.394 ng
RT: 10.426 min Scan# 949
Delta R.T. 0.011 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

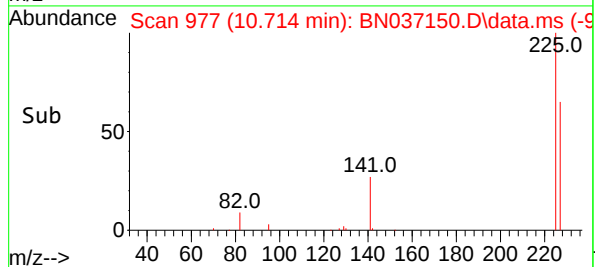
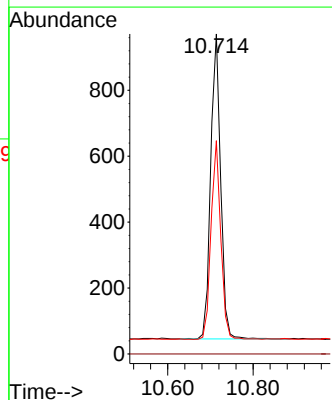
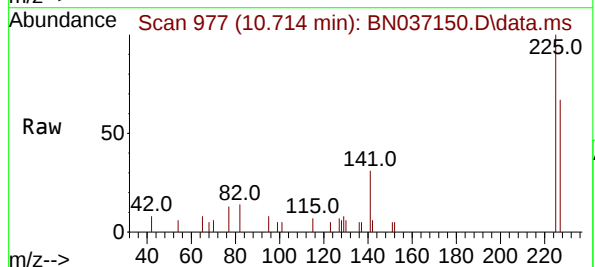
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

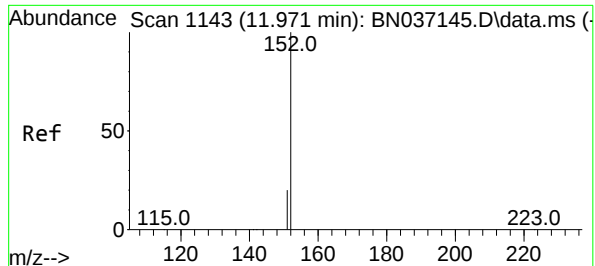
Tgt Ion:128 Resp: 6699
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.8
127 14.0 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.402 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:225 Resp: 1489
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 50.3 75.5

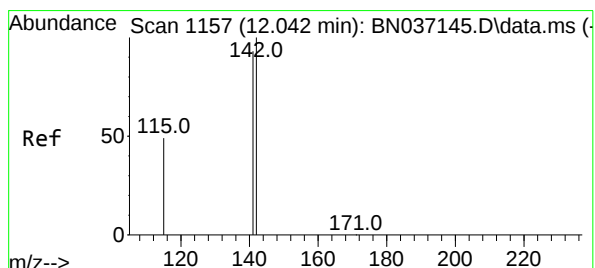
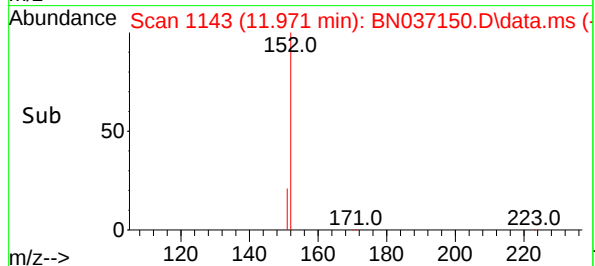
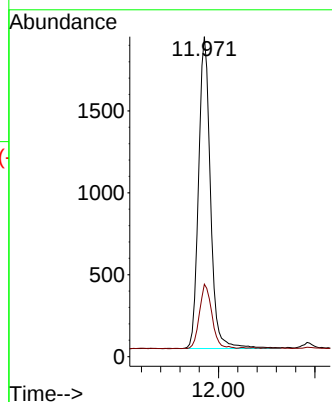
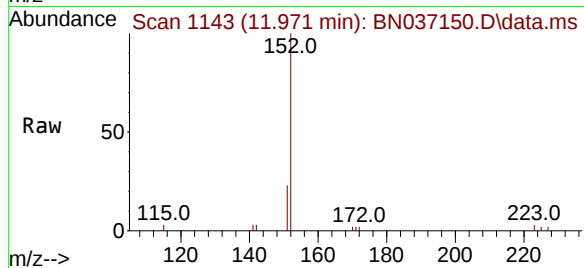




#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.971 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

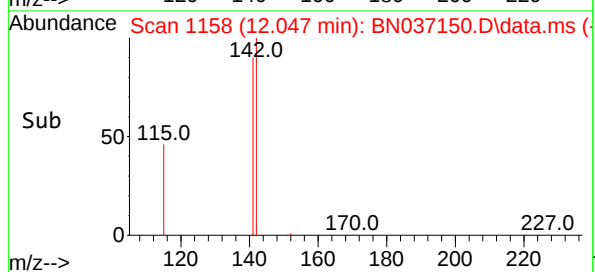
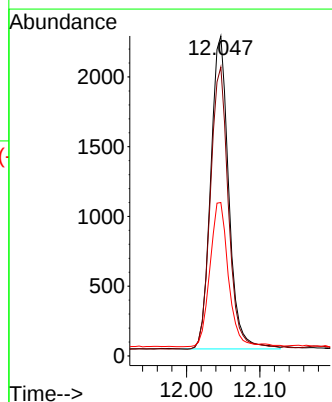
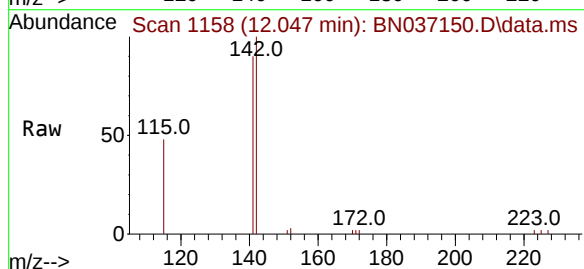
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

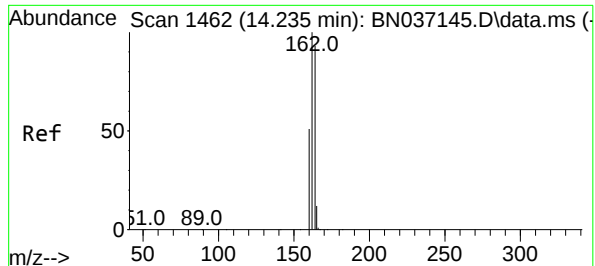
Tgt Ion:152 Resp: 3266
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 12.047 min Scan# 1158
Delta R.T. 0.005 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:142 Resp: 3839
Ion Ratio Lower Upper
142 100
141 90.3 74.6 111.8
115 48.0 41.0 61.4

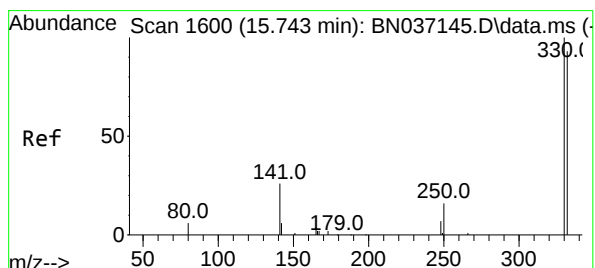
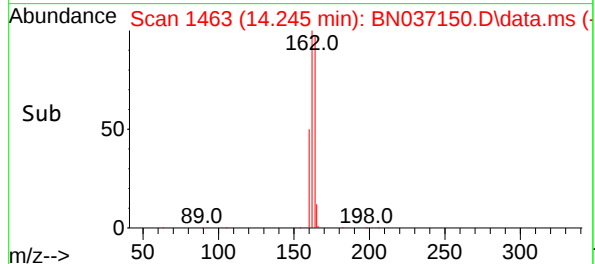
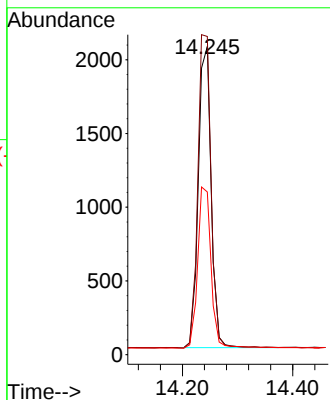
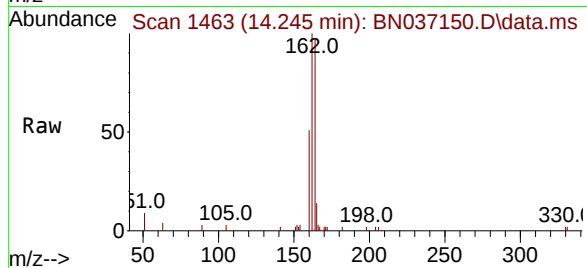




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 1463
Delta R.T. 0.011 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

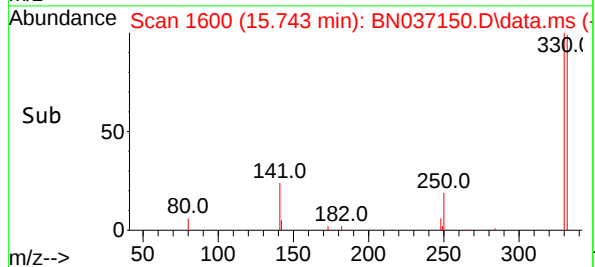
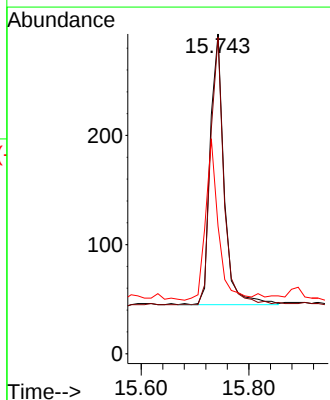
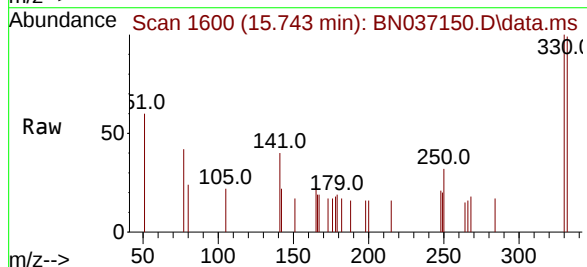
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

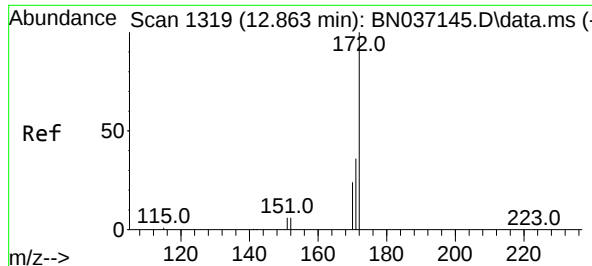
Tgt Ion:164 Resp: 3320
Ion Ratio Lower Upper
164 100
162 103.3 85.5 128.3
160 52.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:330 Resp: 440
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 55.9 46.4 69.6

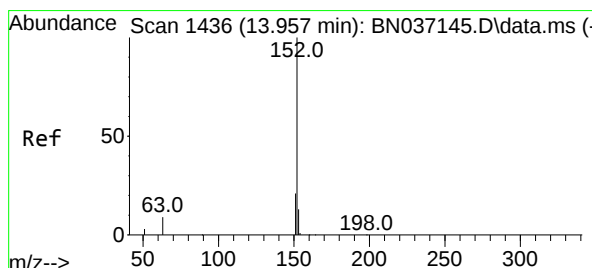
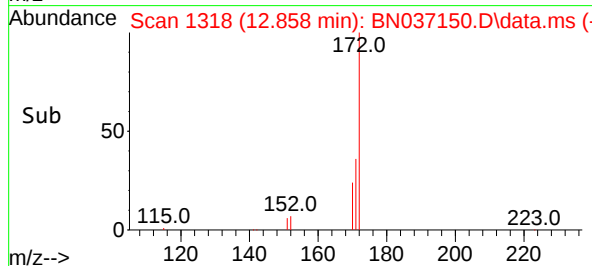
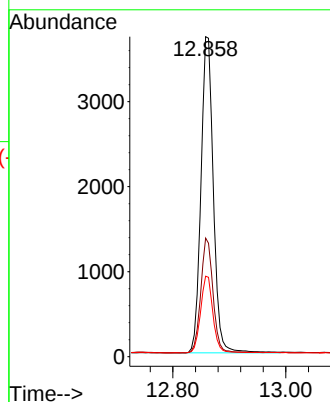
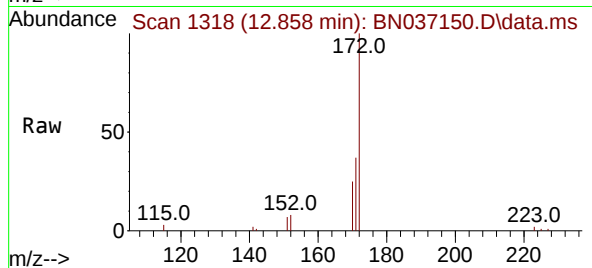




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

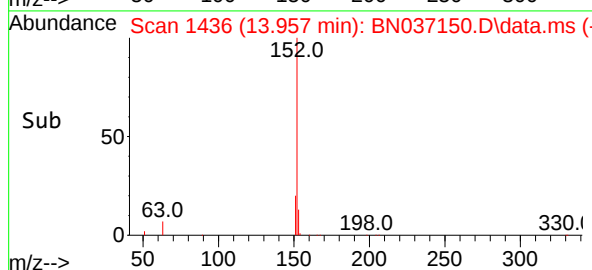
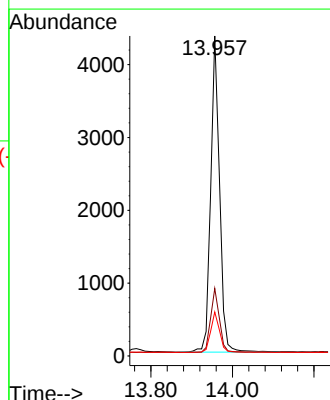
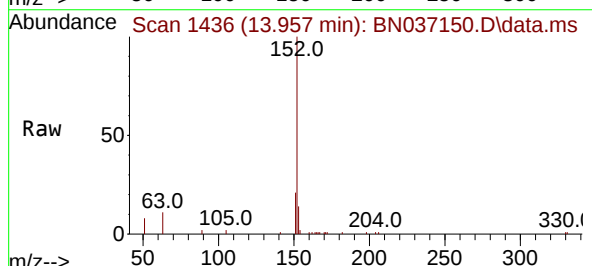
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

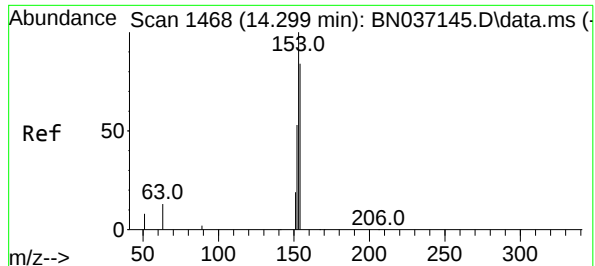
Tgt Ion:172 Resp: 5696
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 25.1 20.3 30.5



#16
Acenaphthylene
Concen: 0.404 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:152 Resp: 6575
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.373 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

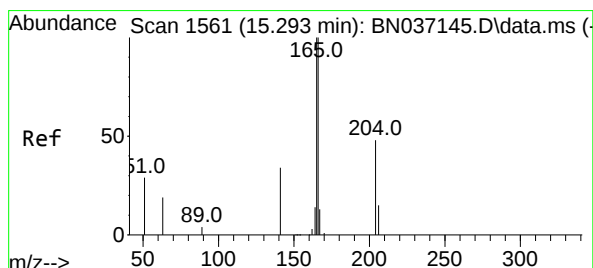
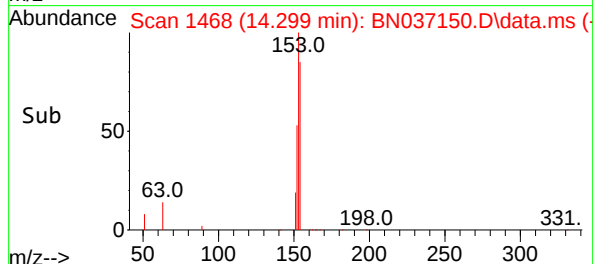
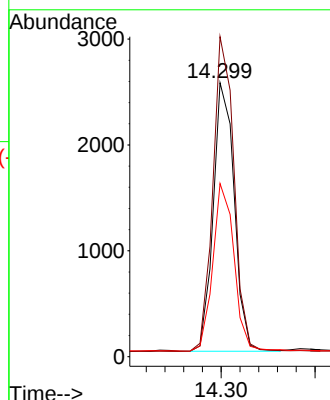
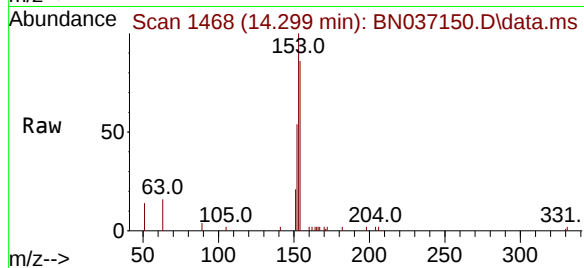
Tgt Ion:154 Resp: 3940

Ion Ratio Lower Upper

154 100

153 118.0 93.8 140.8

152 63.2 50.5 75.7



#18

Fluorene

Concen: 0.373 ng

RT: 15.293 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

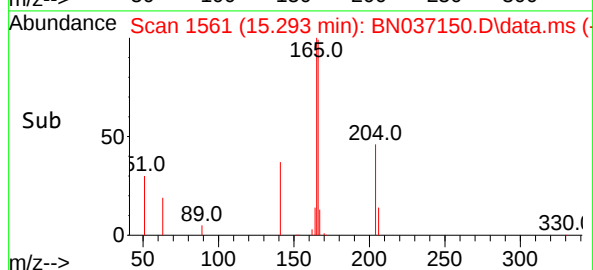
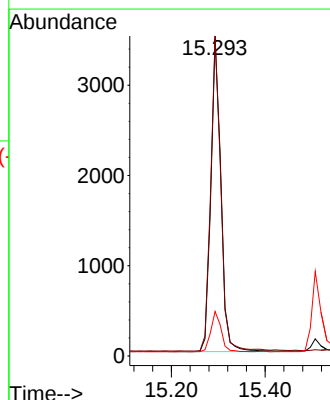
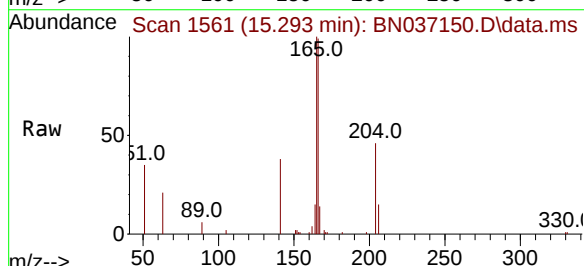
Tgt Ion:166 Resp: 5182

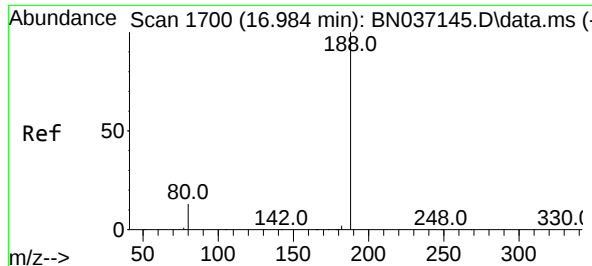
Ion Ratio Lower Upper

166 100

165 100.6 81.1 121.7

167 13.2 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

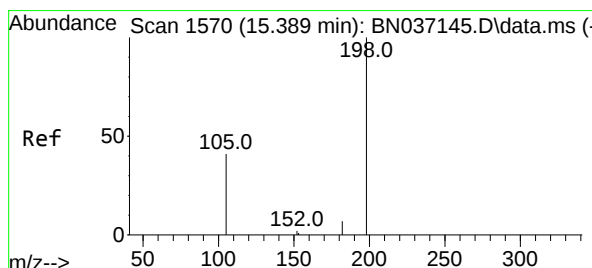
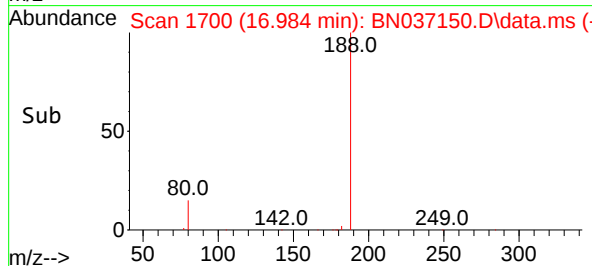
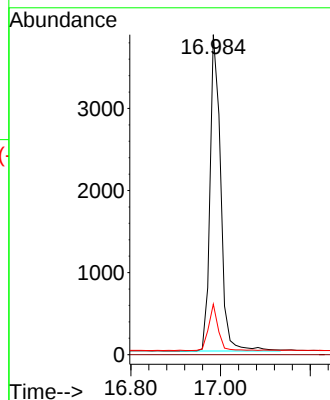
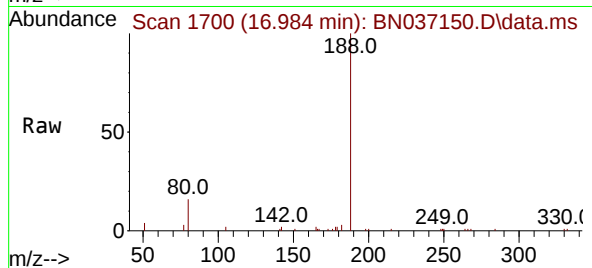
Tgt Ion:188 Resp: 6332

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.8 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.462 ng

RT: 15.389 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

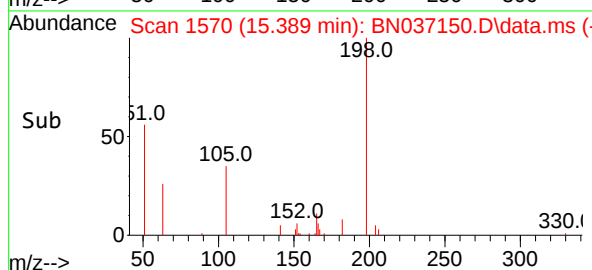
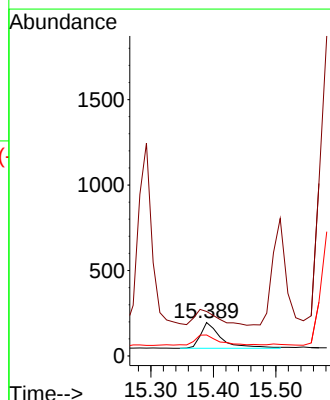
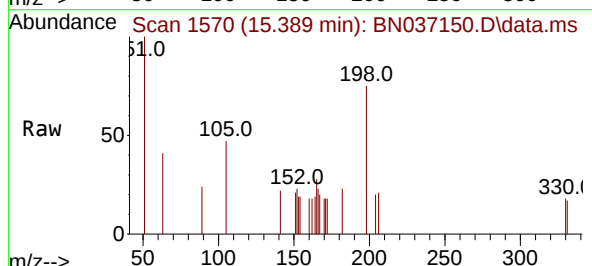
Tgt Ion:198 Resp: 348

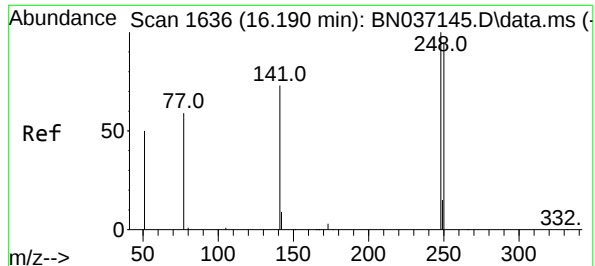
Ion Ratio Lower Upper

198 100

51 132.7 125.2 187.8

105 62.8 57.1 85.7

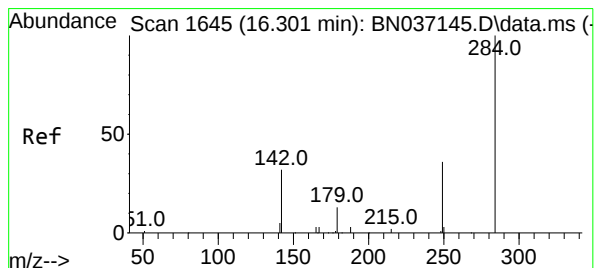
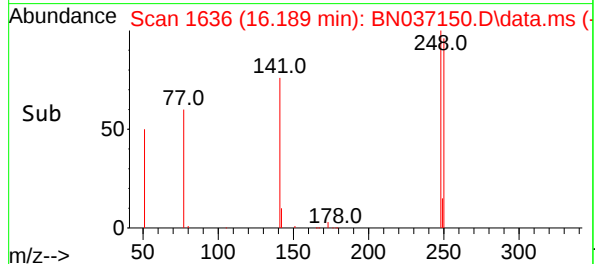
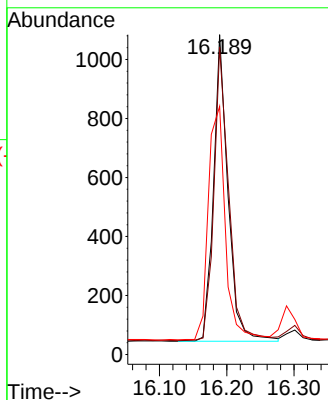
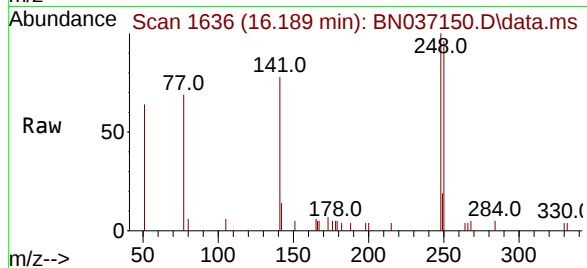




#21
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

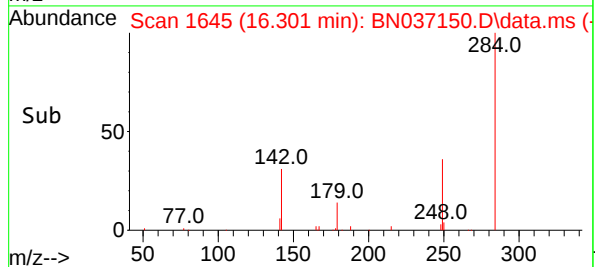
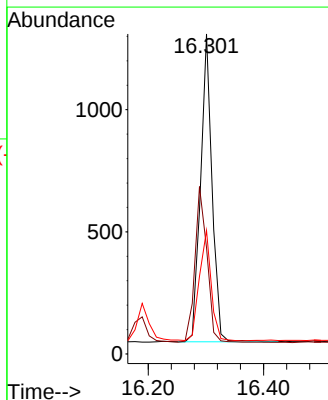
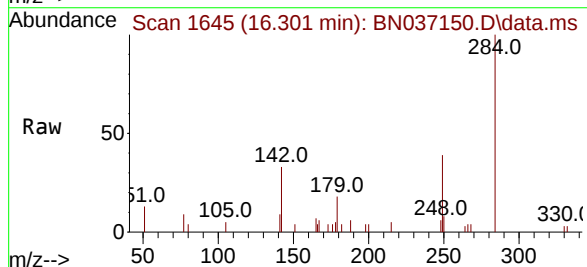
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

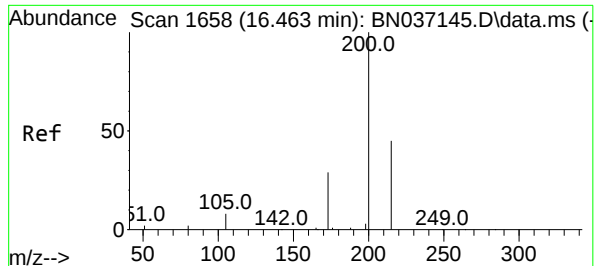
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.1	114.1
141	77.6	60.1	90.1



#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	53.8	44.0	66.0
249	37.4	29.7	44.5

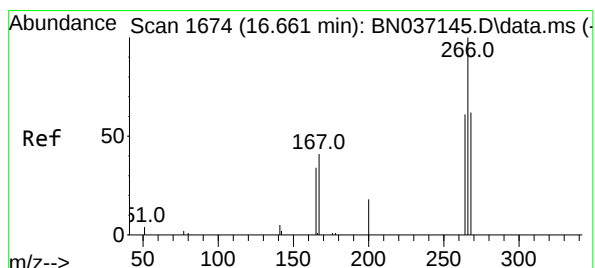
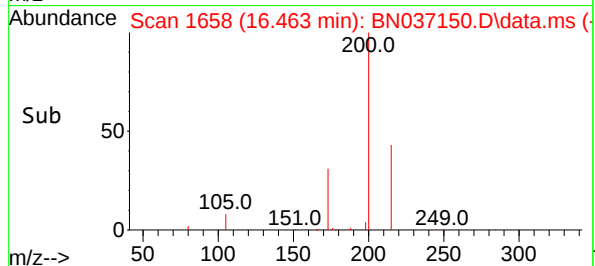
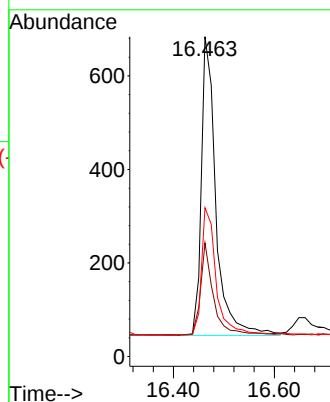
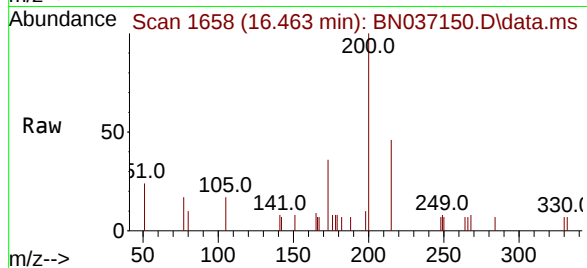




#23
Atrazine
Concen: 0.374 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

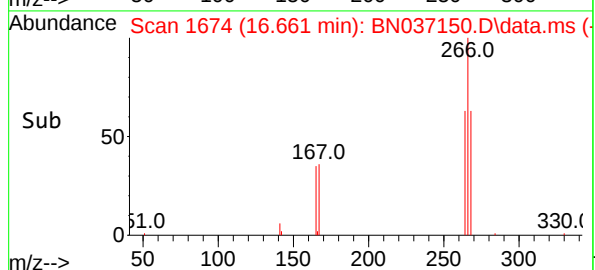
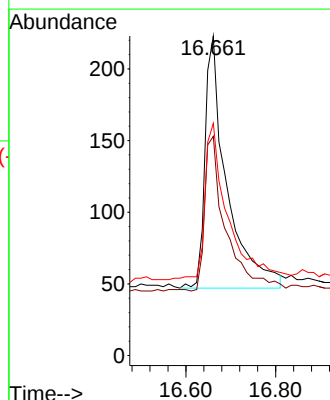
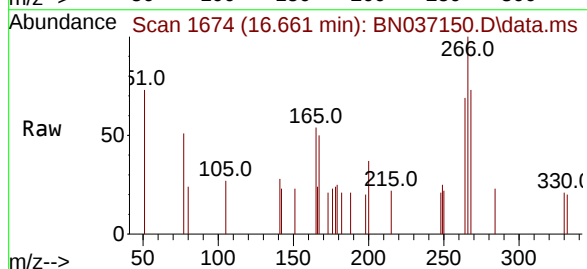
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

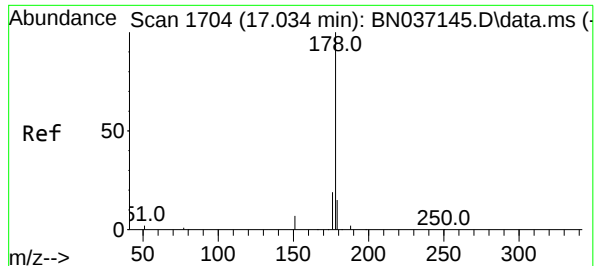
Tgt Ion:200 Resp: 1282
Ion Ratio Lower Upper
200 100
173 35.5 28.1 42.1
215 46.5 39.3 58.9



#24
Pentachlorophenol
Concen: 0.436 ng
RT: 16.661 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:266 Resp: 591
Ion Ratio Lower Upper
266 100
264 60.2 49.3 73.9
268 64.0 49.0 73.4

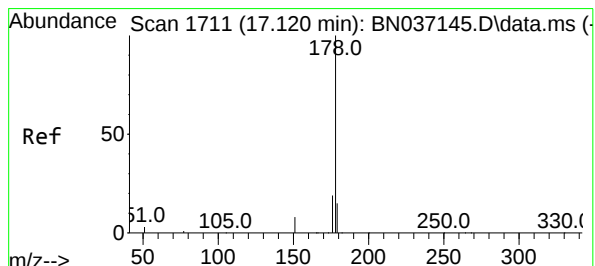
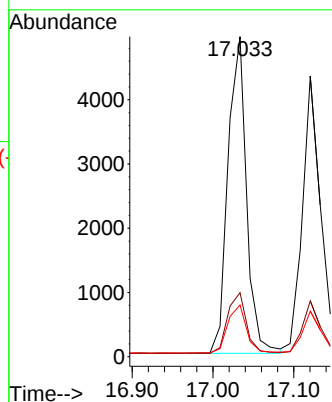
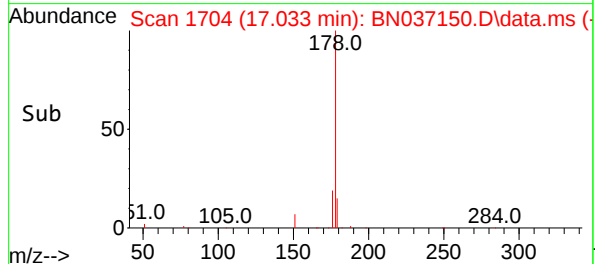
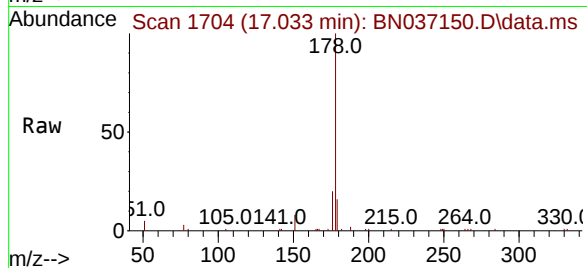




#25
Phenanthrene
Concen: 0.384 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

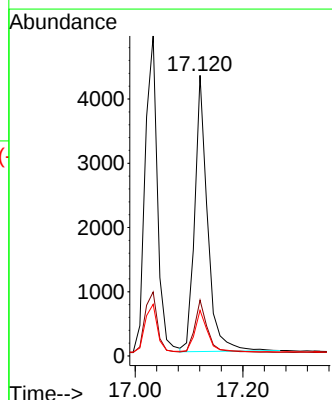
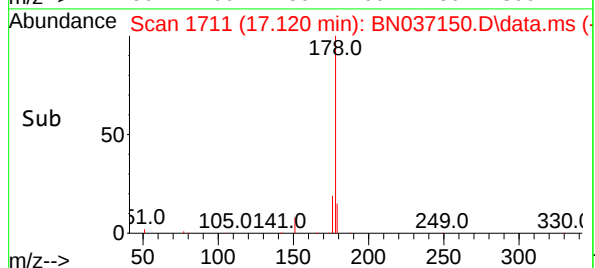
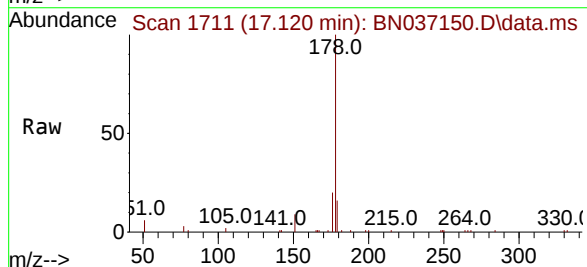
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

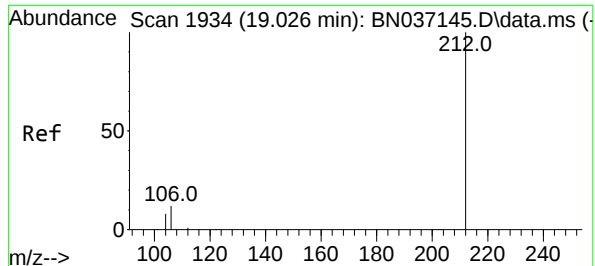
Tgt Ion:178 Resp: 7869
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.7 12.3 18.5



#26
Anthracene
Concen: 0.380 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:178 Resp: 7105
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.5 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

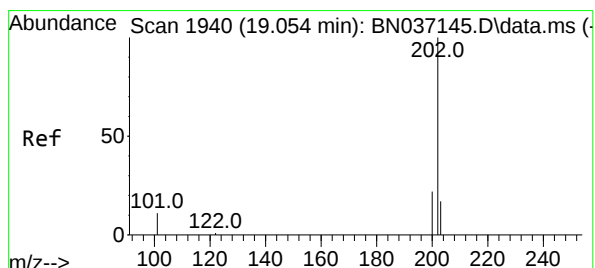
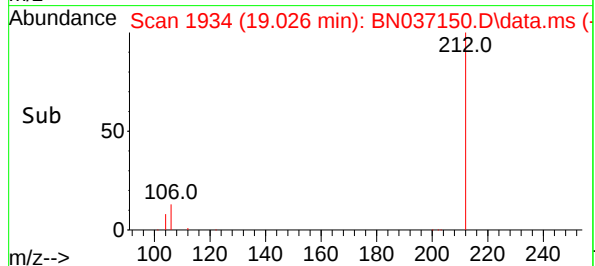
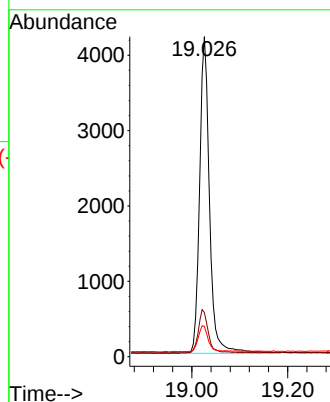
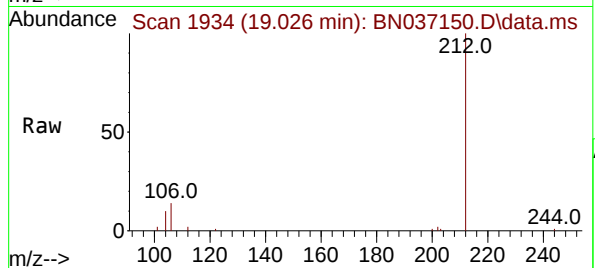
Tgt Ion:212 Resp: 6037

Ion Ratio Lower Upper

212 100

106 13.7 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.361 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

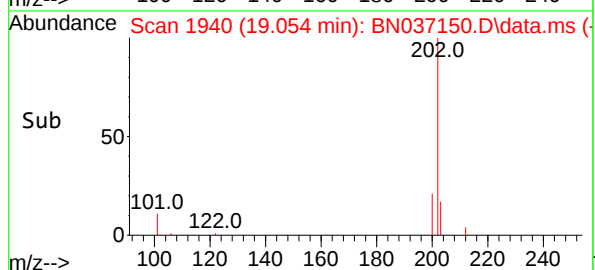
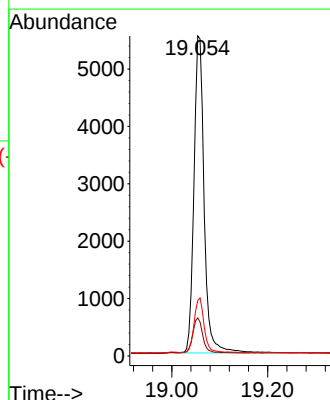
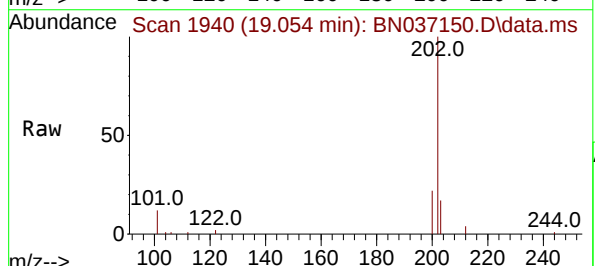
Tgt Ion:202 Resp: 8186

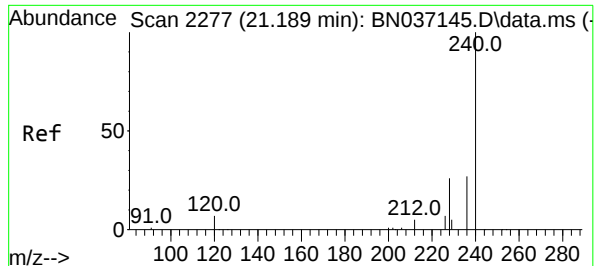
Ion Ratio Lower Upper

202 100

101 11.4 8.7 13.1

203 16.7 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

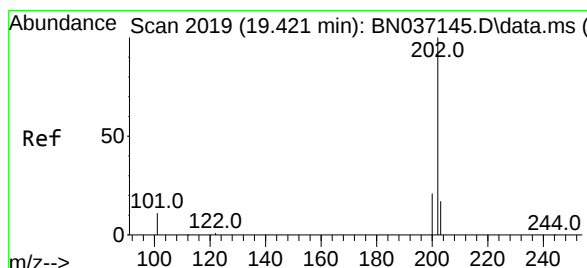
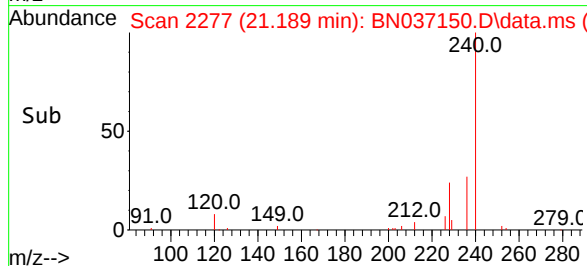
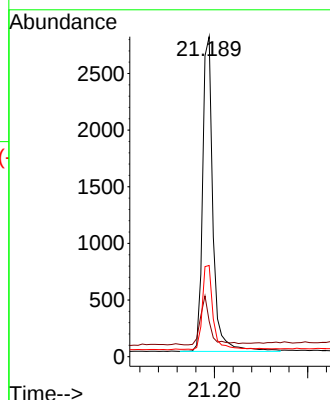
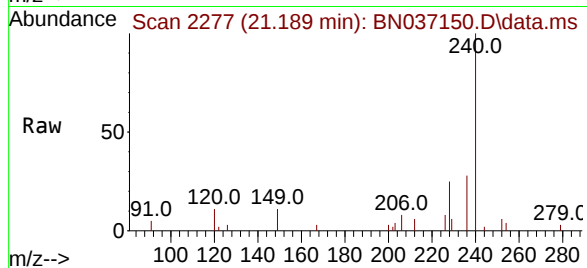
Tgt Ion:240 Resp: 4292

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 28.5 23.0 34.4



#30

Pyrene

Concen: 0.389 ng

RT: 19.421 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

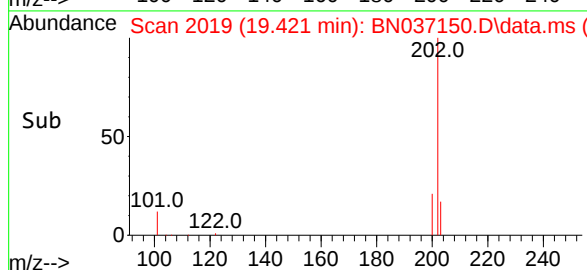
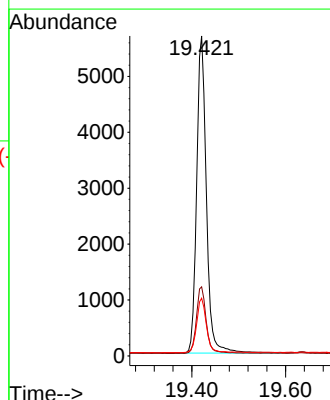
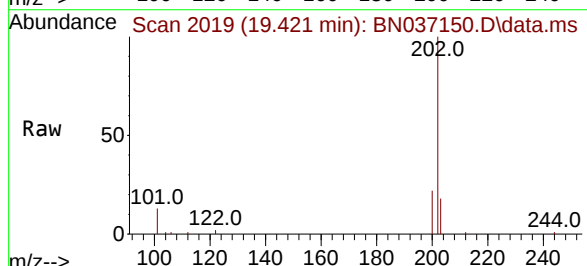
Tgt Ion:202 Resp: 8148

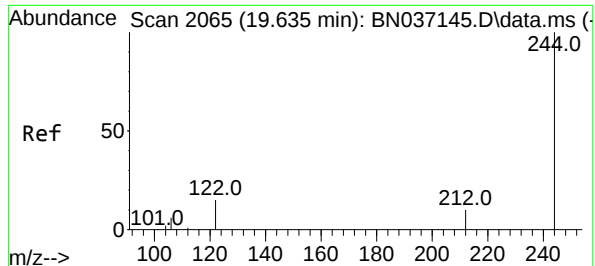
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 17.3 14.2 21.4

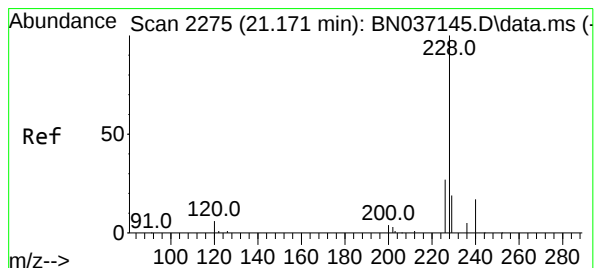
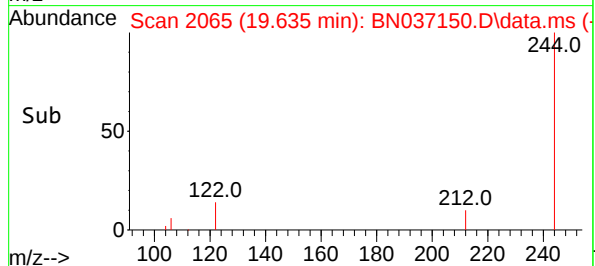
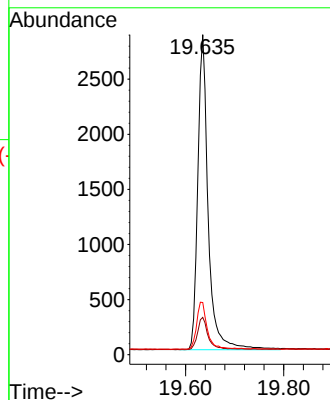
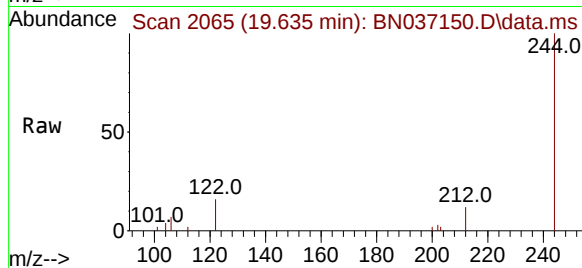




#31
Terphenyl-d14
Concen: 0.415 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

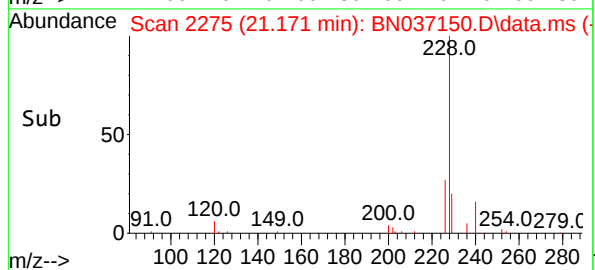
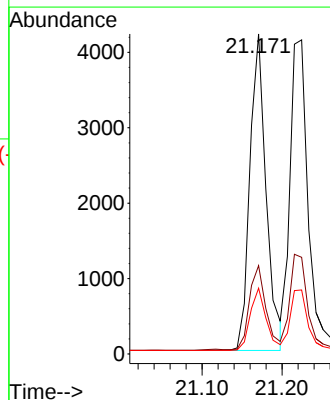
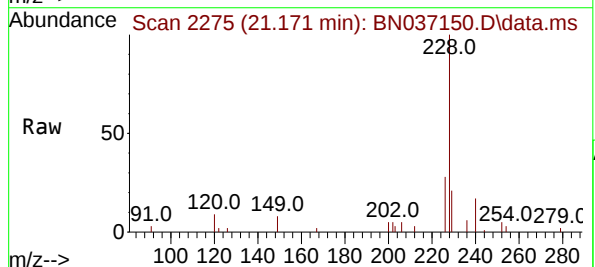
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

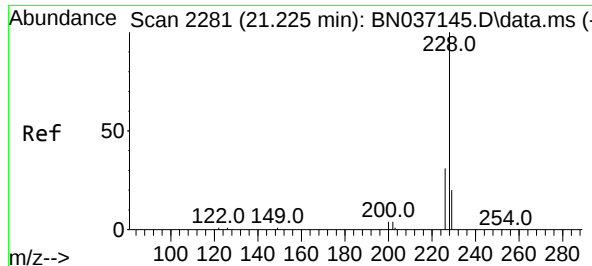
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.6	10.0	15.0
122	16.3	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.5	16.2	24.2





#33

Chrysene

Concen: 0.385 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

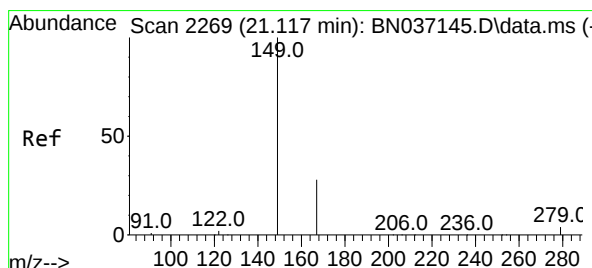
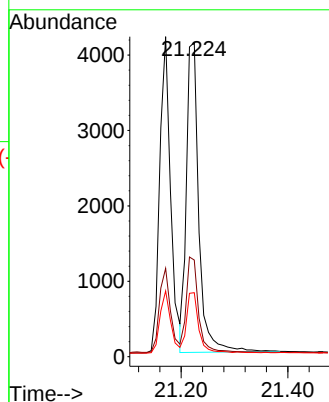
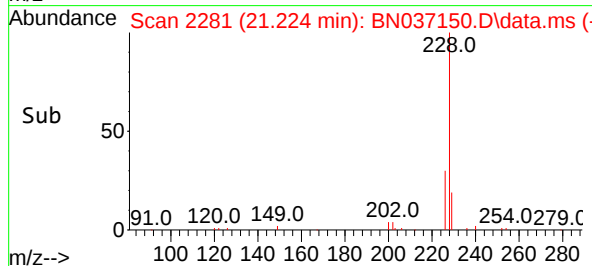
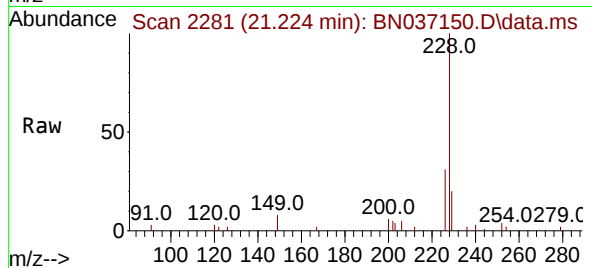
Tgt Ion:228 Resp: 6661

Ion Ratio Lower Upper

228 100

226 30.8 25.2 37.8

229 20.4 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

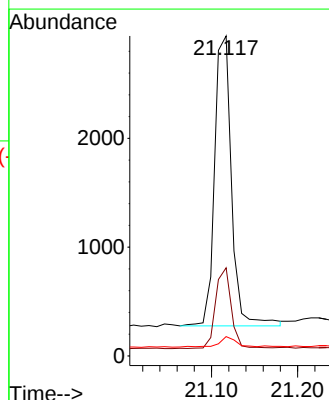
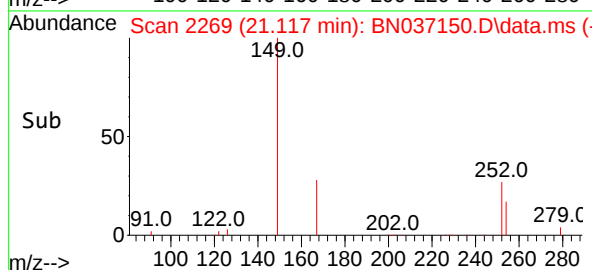
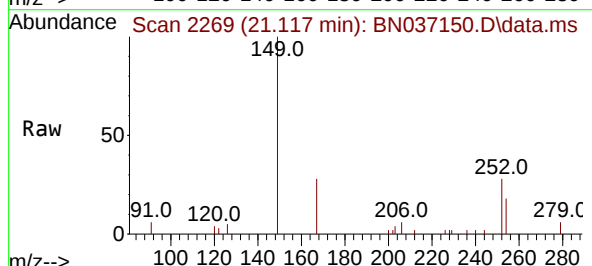
Tgt Ion:149 Resp: 3635

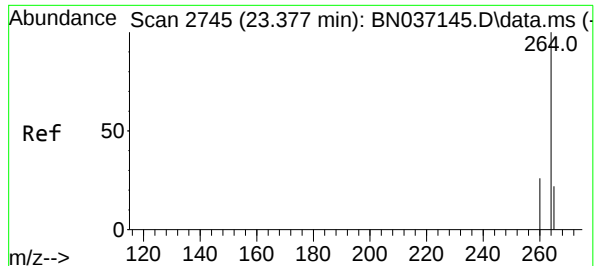
Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.4

279 3.4 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

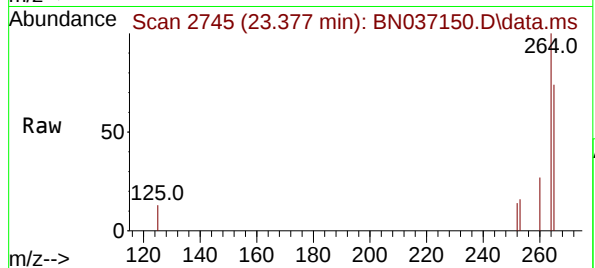
Acq: 03 Jun 2025 15:53

Instrument :

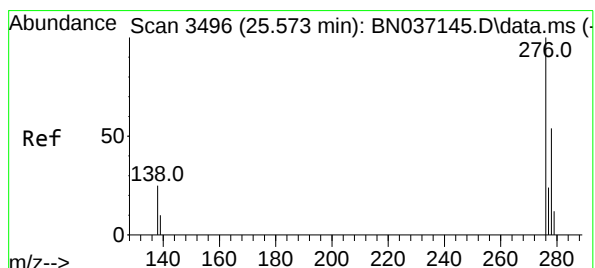
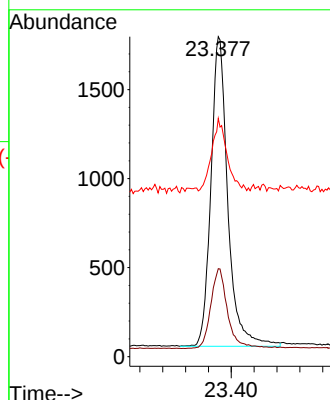
BNA_N

ClientSampleId :

ICVBN060325



Tgt Ion:	264	Resp:	3564
Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.1	33.1
265	74.5	55.8	83.8



#36

Indeno(1,2,3-cd)pyrene

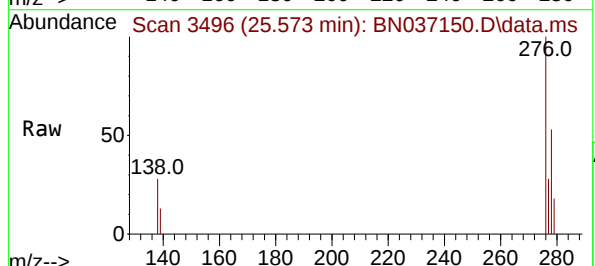
Concen: 0.385 ng

RT: 25.573 min Scan# 3496

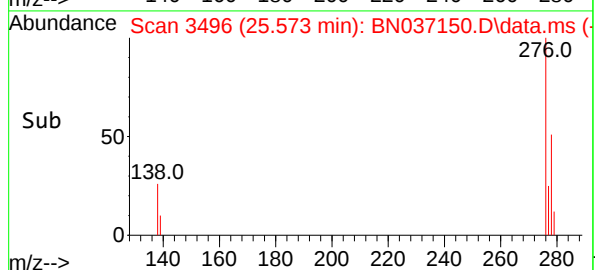
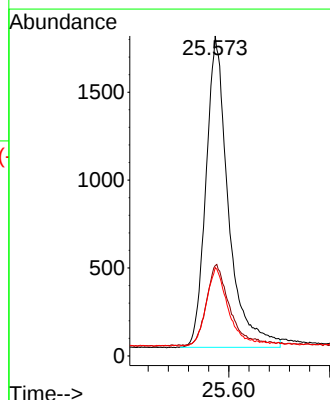
Delta R.T. -0.000 min

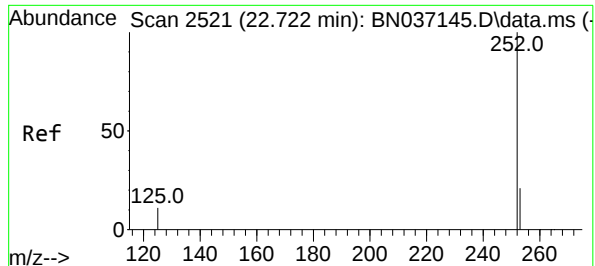
Lab File: BN037150.D

Acq: 03 Jun 2025 15:53



Tgt Ion:	276	Resp:	5461
Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.0	31.6
277	24.3	19.4	29.2





#37

Benzo(b)fluoranthene

Concen: 0.378 ng

RT: 22.720 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

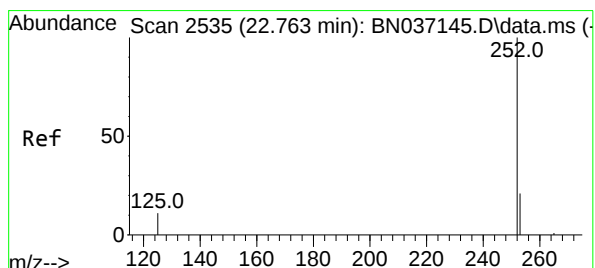
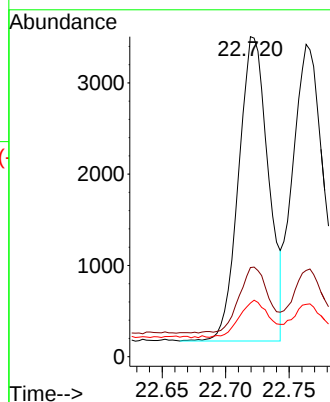
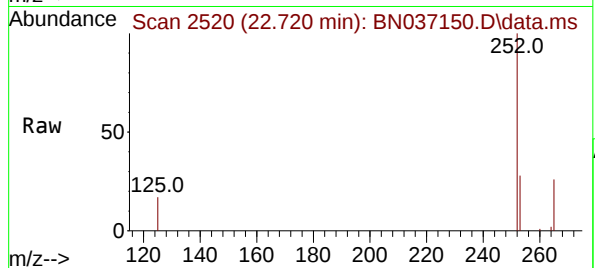
Tgt Ion:252 Resp: 5432

Ion Ratio Lower Upper

252 100

253 27.8 22.3 33.5

125 16.7 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.399 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

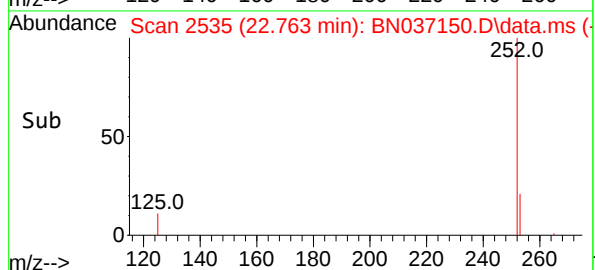
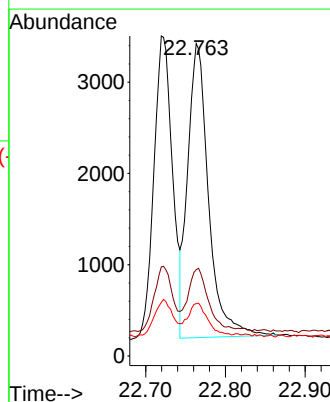
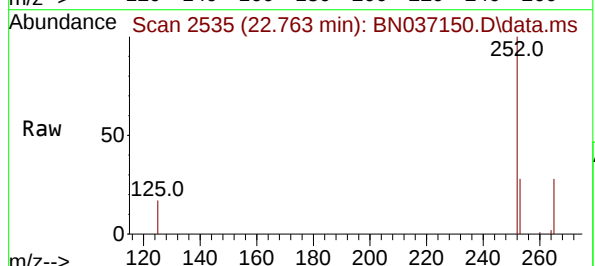
Tgt Ion:252 Resp: 5859

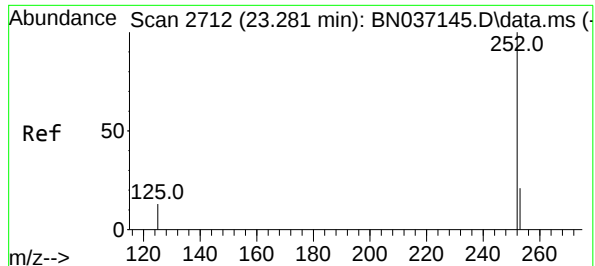
Ion Ratio Lower Upper

252 100

253 27.6 22.2 33.4

125 16.7 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.409 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

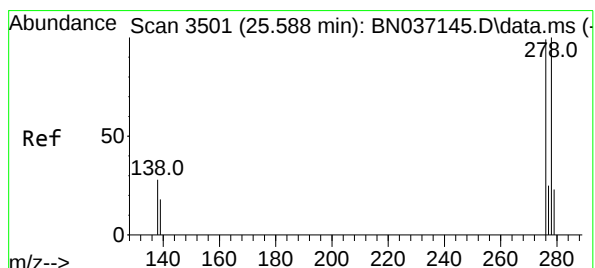
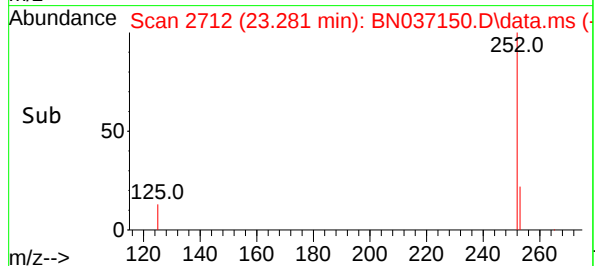
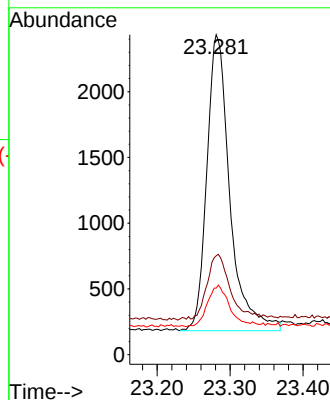
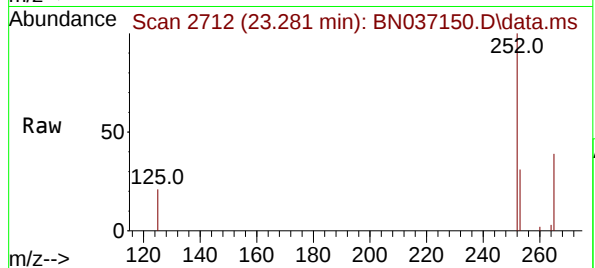
Tgt Ion:252 Resp: 4925

Ion Ratio Lower Upper

252 100

253 30.9 25.0 37.4

125 20.8 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.387 ng

RT: 25.588 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

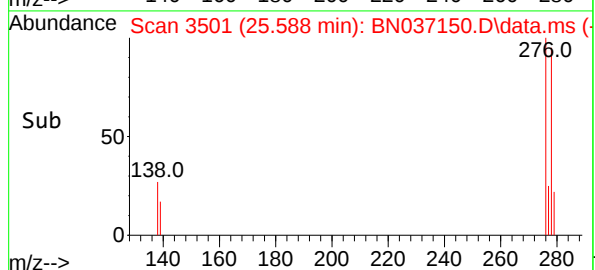
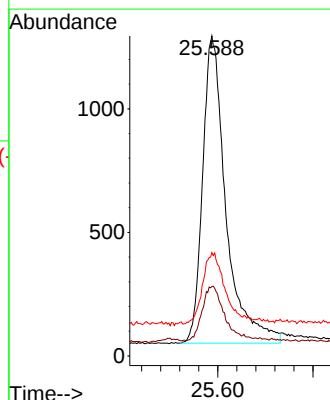
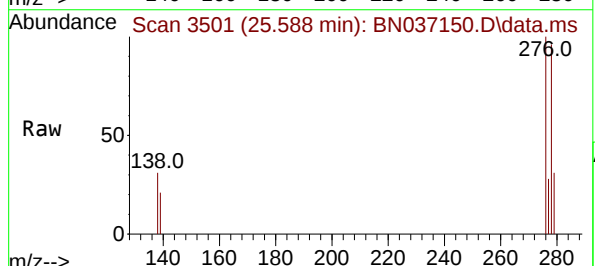
Tgt Ion:278 Resp: 4227

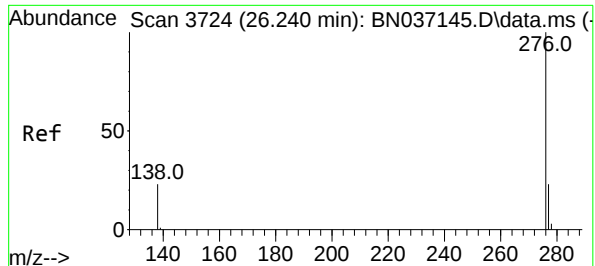
Ion Ratio Lower Upper

278 100

139 21.7 17.6 26.4

279 32.3 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.368 ng

RT: 26.248 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN037150.D

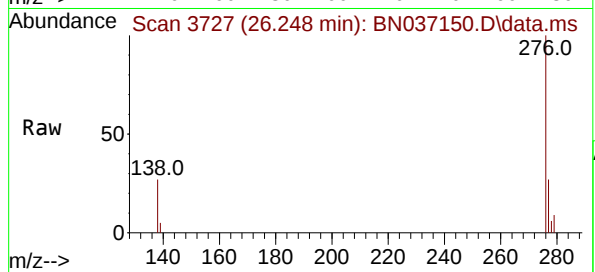
Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325



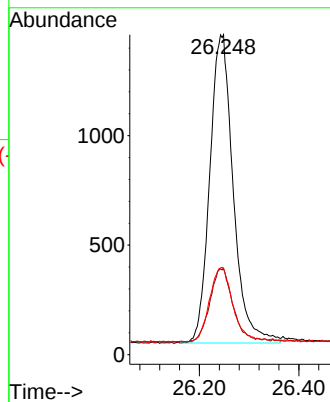
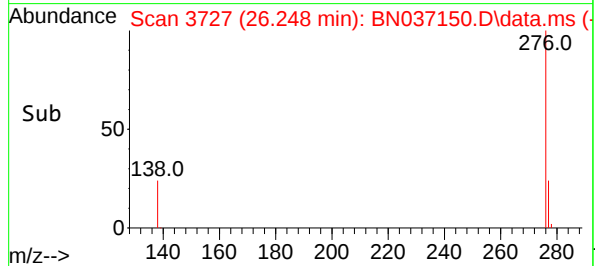
Tgt Ion:276 Resp: 4620

Ion Ratio Lower Upper

276 100

277 27.0 20.9 31.3

138 26.8 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037150.D
 Acq On : 03 Jun 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN060325

Quant Time: Jun 04 01:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 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	107	0.00
2	1,4-Dioxane	0.533	0.551	-3.4	116	0.00
3	n-Nitrosodimethylamine	1.071	1.045	2.4	106	0.00
4 S	2-Fluorophenol	0.989	0.894	9.6	102	0.00
5 S	Phenol-d6	1.199	1.073	10.5	102	0.00
6	bis(2-Chloroethyl)ether	1.144	1.205	-5.3	115	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
8 S	Nitrobenzene-d5	0.422	0.420	0.5	113	0.00
9	Naphthalene	1.154	1.137	1.5	115	0.01
10	Hexachlorobutadiene	0.251	0.253	-0.8	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.557	0.554	0.5	111	0.00
12	2-Methylnaphthalene	0.740	0.652	11.9	106	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	115	0.01
14 S	2,4,6-Tribromophenol	0.161	0.133	17.4	105	0.00
15 S	2-Fluorobiphenyl	1.705	1.716	-0.6	121	0.00
16	Acenaphthylene	1.961	1.980	-1.0	129	0.00
17	Acenaphthene	1.273	1.187	6.8	118	0.00
18	Fluorene	1.674	1.561	6.8	118	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
20	4,6-Dinitro-2-methylphenol	0.077	0.055	28.6#	128	0.00
21	4-Bromophenyl-phenylether	0.262	0.244	6.9	116	0.00
22	Hexachlorobenzene	0.283	0.275	2.8	119	0.00
23	Atrazine	0.216	0.202	6.5	126	0.00
24	Pentachlorophenol	0.124	0.093	25.0	118	0.00
25	Phenanthrene	1.296	1.243	4.1	121	0.00
26	Anthracene	1.183	1.122	5.2	126	0.00
27 SURR	Fluoranthene-d10	1.016	0.953	6.2	114	0.00
28	Fluoranthene	1.432	1.293	9.7	118	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	114	0.00
30	Pyrene	1.953	1.898	2.8	118	0.00
31 S	Terphenyl-d14	0.942	0.978	-3.8	124	0.00
32	Benzo(a)anthracene	1.448	1.386	4.3	122	0.00
33	Chrysene	1.612	1.552	3.7	120	0.00
34	Bis(2-ethylhexyl)phthalate	0.914	0.847	7.3	125	0.00
35 I	Perylene-d12	1.000	1.000	0.0	105	0.00
36	Indeno(1,2,3-cd)pyrene	1.591	1.532	3.7	107	0.00
37	Benzo(b)fluoranthene	1.615	1.524	5.6	113	0.00
38	Benzo(k)fluoranthene	1.648	1.644	0.2	118	0.00
39 C	Benzo(a)pyrene	1.352	1.382	-2.2	119	0.00
40	Dibenzo(a,h)anthracene	1.227	1.186	3.3	108	0.00
41	Benzo(g,h,i)perylene	1.410	1.296	8.1	101	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037150.D
 Acq On : 03 Jun 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN060325

Quant Time: Jun 04 01:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 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	0.400	0.400	0.0	107	0.00
2	1,4-Dioxane	0.400	0.413	-3.2	116	0.00
3	n-Nitrosodimethylamine	0.400	0.390	2.5	106	0.00
4 S	2-Fluorophenol	0.400	0.361	9.8	102	0.00
5 S	Phenol-d6	0.400	0.358	10.5	102	0.00
6	bis(2-Chloroethyl)ether	0.400	0.421	-5.2	115	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	113	0.00
8 S	Nitrobenzene-d5	0.400	0.398	0.5	113	0.00
9	Naphthalene	0.400	0.394	1.5	115	0.01
10	Hexachlorobutadiene	0.400	0.402	-0.5	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.398	0.5	111	0.00
12	2-Methylnaphthalene	0.400	0.352	12.0	106	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	115	0.01
14 S	2,4,6-Tribromophenol	0.400	0.329	17.8	105	0.00
15 S	2-Fluorobiphenyl	0.400	0.402	-0.5	121	0.00
16	Acenaphthylene	0.400	0.404	-1.0	129	0.00
17	Acenaphthene	0.400	0.373	6.8	118	0.00
18	Fluorene	0.400	0.373	6.8	118	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	116	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.462	-15.5	128	0.00
21	4-Bromophenyl-phenylether	0.400	0.372	7.0	116	0.00
22	Hexachlorobenzene	0.400	0.389	2.8	119	0.00
23	Atrazine	0.400	0.374	6.5	126	0.00
24	Pentachlorophenol	0.400	0.436	-9.0	118	0.00
25	Phenanthrene	0.400	0.384	4.0	121	0.00
26	Anthracene	0.400	0.380	5.0	126	0.00
27 SURR	Fluoranthene-d10	0.400	0.375	6.3	114	0.00
28	Fluoranthene	0.400	0.361	9.8	118	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	114	0.00
30	Pyrene	0.400	0.389	2.8	118	0.00
31 S	Terphenyl-d14	0.400	0.415	-3.7	124	0.00
32	Benzo(a)anthracene	0.400	0.383	4.3	122	0.00
33	Chrysene	0.400	0.385	3.8	120	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.371	7.3	125	0.00
35 I	Perylene-d12	0.400	0.400	0.0	105	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.385	3.8	107	0.00
37	Benzo(b)fluoranthene	0.400	0.378	5.5	113	0.00
38	Benzo(k)fluoranthene	0.400	0.399	0.3	118	0.00
39 C	Benzo(a)pyrene	0.400	0.409	-2.2	119	0.00
40	Dibenzo(a,h)anthracene	0.400	0.387	3.3	108	0.00
41	Benzo(g,h,i)perylene	0.400	0.368	8.0	101	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN060325



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG No.: Q2234

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 10:54

Lab File ID: BN037189.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.558		0.2	20.0
Fluoranthene-d10	1.016	0.960		-5.5	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.124		-6.3	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.691		-0.8	20.0
2,4,6-Tribromophenol	0.161	0.142		-11.8	20.0
Terphenyl-d14	0.942	0.909		-3.5	20.0
1,4-Dioxane	0.533	0.519		-2.6	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037189.D
 Acq On : 09 Jun 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jun 09 11:21:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

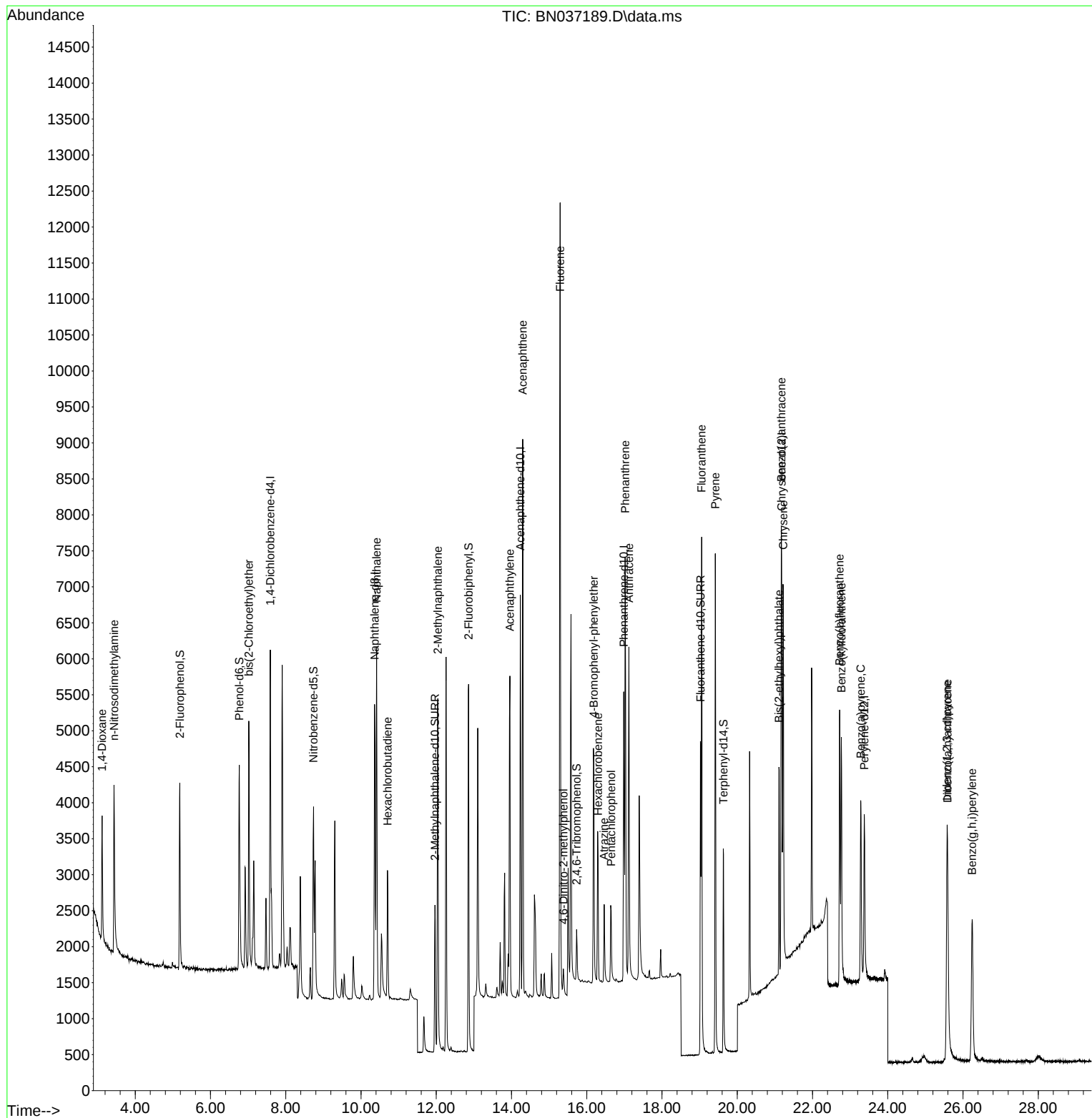
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2093	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	5342	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2894	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5308	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3516	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3185	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1933	0.373	ng	0.00
5) Phenol-d6	6.766	99	2353	0.375	ng	0.00
8) Nitrobenzene-d5	8.739	82	2254	0.400	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2980	0.401	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	410	0.352	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4893	0.397	ng	0.00
27) Fluoranthene-d10	19.026	212	5096	0.378	ng	0.00
31) Terphenyl-d14	19.630	244	3196	0.386	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1086	0.389	ng	96
3) n-Nitrosodimethylamine	3.437	42	2219	0.396	ng	99
6) bis(2-Chloroethyl)ether	7.019	93	2354	0.393	ng	98
9) Naphthalene	10.415	128	6000	0.389	ng	99
10) Hexachlorobutadiene	10.703	225	1350	0.402	ng	# 100
12) 2-Methylnaphthalene	12.042	142	3683	0.373	ng	97
16) Acenaphthylene	13.957	152	5056	0.356	ng	99
17) Acenaphthene	14.299	154	3370	0.366	ng	100
18) Fluorene	15.293	166	4348	0.359	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	331	0.487	ng	94
21) 4-Bromophenyl-phenylether	16.189	248	1282	0.369	ng	# 88
22) Hexachlorobenzene	16.301	284	1488	0.396	ng	98
23) Atrazine	16.463	200	1020	0.355	ng	96
24) Pentachlorophenol	16.649	266	645	0.502	ng	93
25) Phenanthrene	17.021	178	6261	0.364	ng	100
26) Anthracene	17.120	178	5447	0.347	ng	99
28) Fluoranthene	19.054	202	6641	0.350	ng	99
30) Pyrene	19.416	202	6586	0.384	ng	100
32) Benzo(a)anthracene	21.171	228	4507	0.354	ng	98
33) Chrysene	21.224	228	5182	0.366	ng	99
34) Bis(2-ethylhexyl)phtha...	21.108	149	2880	0.359	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.573	276	4552	0.359	ng	98
37) Benzo(b)fluoranthene	22.722	252	4604	0.358	ng	99
38) Benzo(k)fluoranthene	22.766	252	4587	0.349	ng	98
39) Benzo(a)pyrene	23.284	252	3801	0.353	ng	97
40) Dibenzo(a,h)anthracene	25.591	278	3442	0.352	ng	98
41) Benzo(g,h,i)perylene	26.243	276	4160	0.371	ng	98

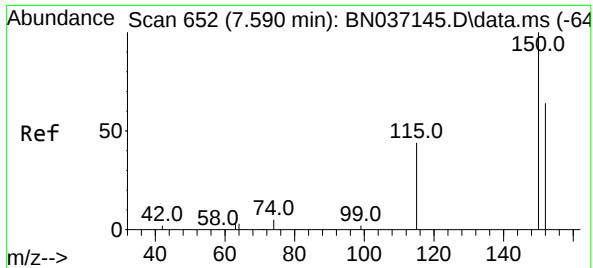
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037189.D
Acq On : 09 Jun 2025 10:54
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 09 11:21:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

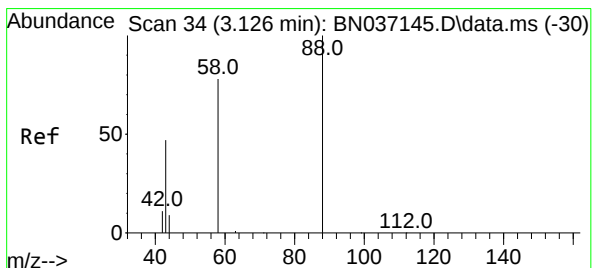
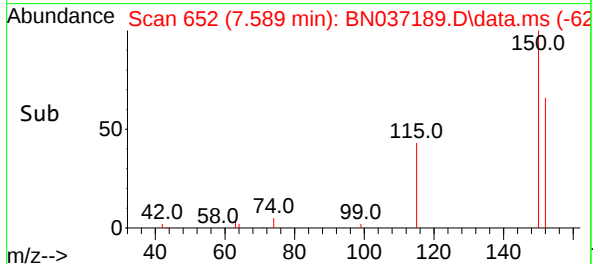
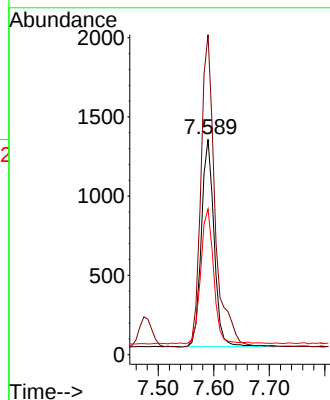
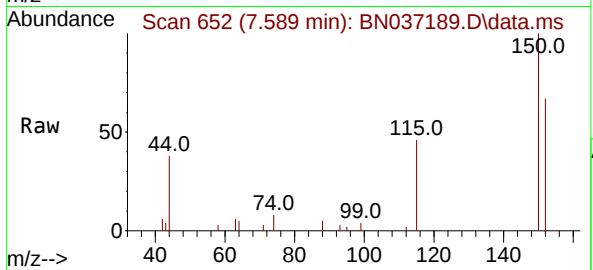




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

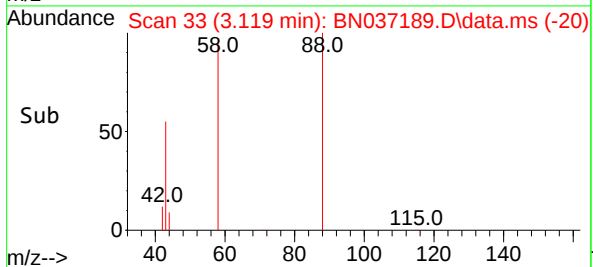
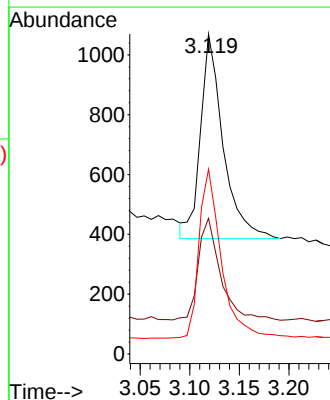
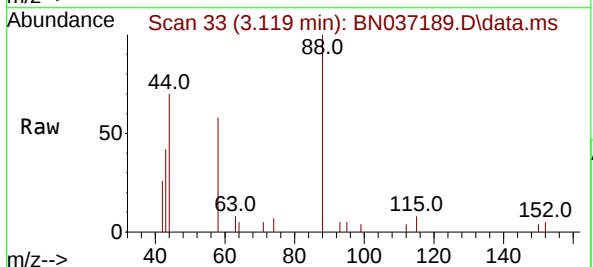
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2093
Ion Ratio Lower Upper
152 100
150 148.6 123.2 184.8
115 67.6 56.6 85.0

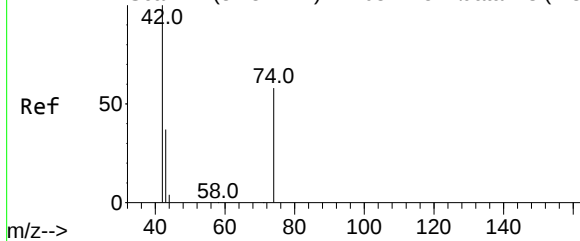


#2
1,4-Dioxane
Concen: 0.389 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion: 88 Resp: 1086
Ion Ratio Lower Upper
88 100
43 48.8 43.5 65.3
58 82.5 67.7 101.5



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.396 ng

RT: 3.437 min Scan# 71

Delta R.T. -0.000 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 2219

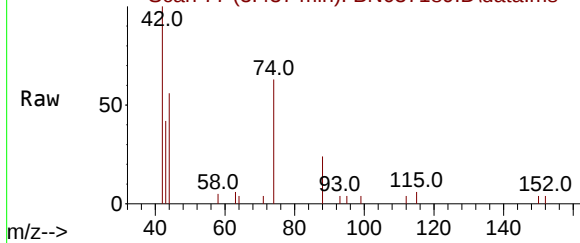
Ion Ratio Lower Upper

42 100

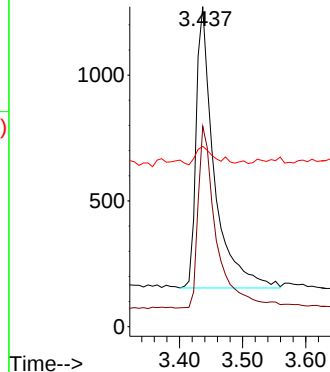
74 65.1 53.0 79.4

44 6.7 5.9 8.9

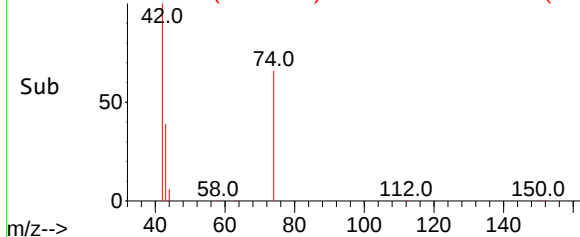
Abundance Scan 77 (3.437 min): BN037189.D\data.ms



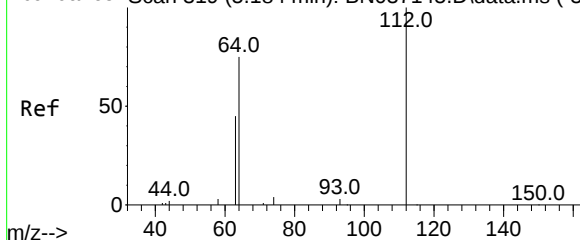
Abundance



Abundance Scan 77 (3.437 min): BN037189.D\data.ms (-56)



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.373 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

Tgt Ion: 112 Resp: 1933

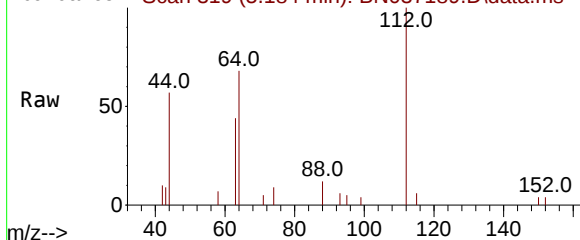
Ion Ratio Lower Upper

112 100

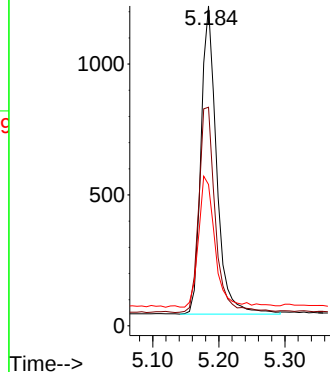
64 70.3 56.3 84.5

63 45.2 36.2 54.4

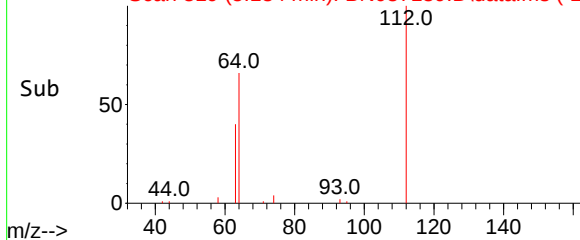
Abundance Scan 319 (5.184 min): BN037189.D\data.ms

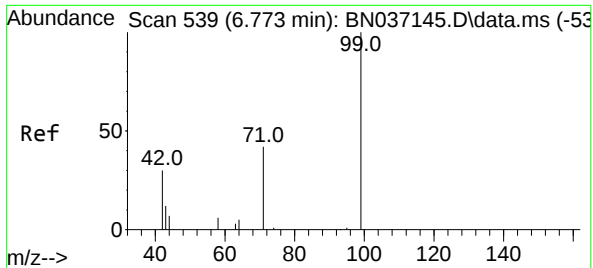


Abundance



Abundance Scan 319 (5.184 min): BN037189.D\data.ms (-29)

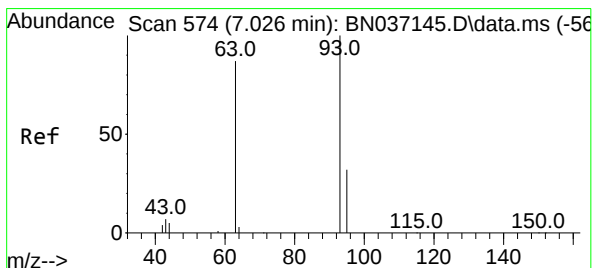
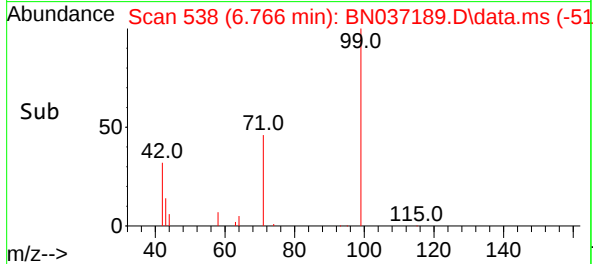
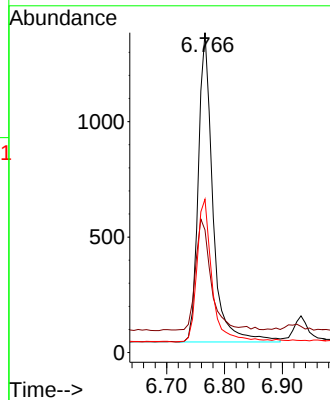
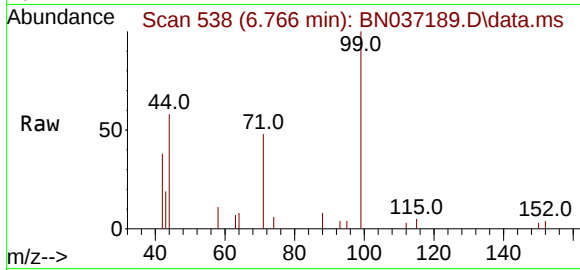




#5
Phenol-d6
Concen: 0.375 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

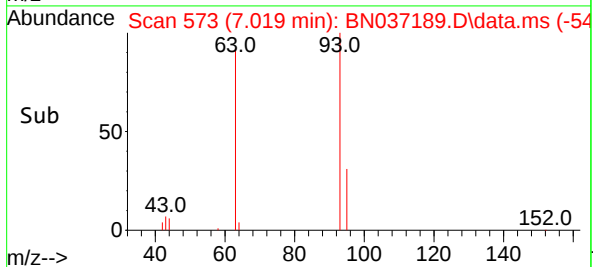
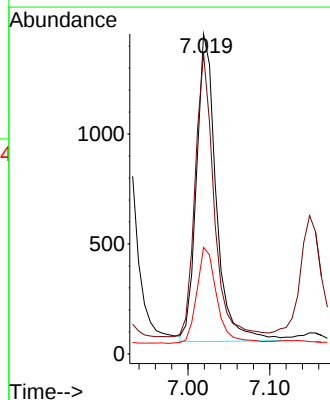
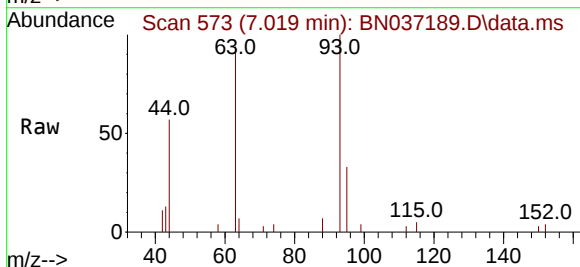
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

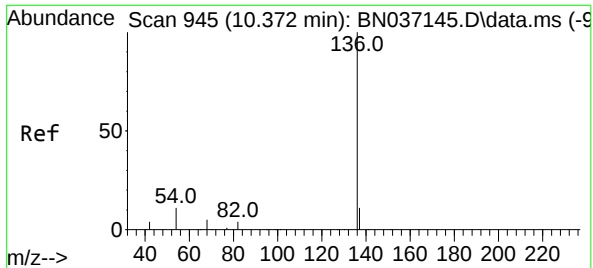
Tgt Ion	Ratio	Lower	Upper
99	100		
42	38.1	31.3	46.9
71	47.1	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion	Ratio	Lower	Upper
93	100		
63	87.8	68.6	103.0
95	31.6	24.3	36.5

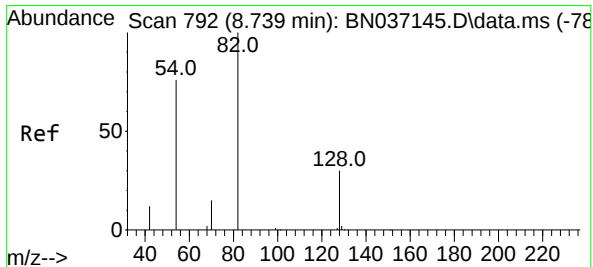
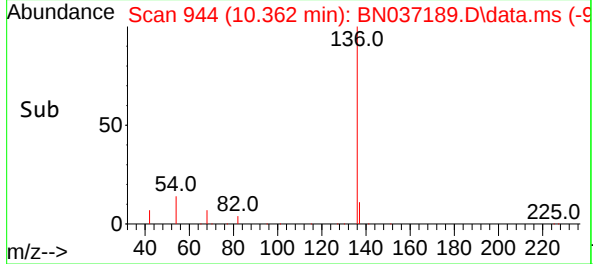
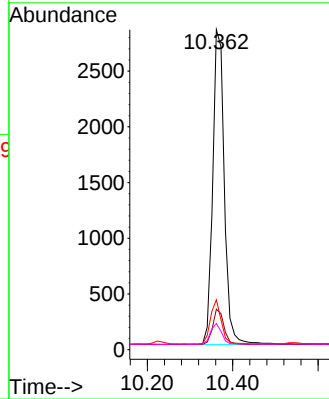
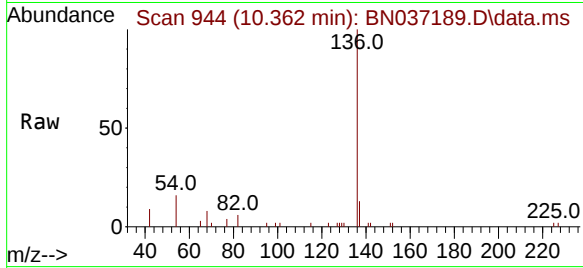




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

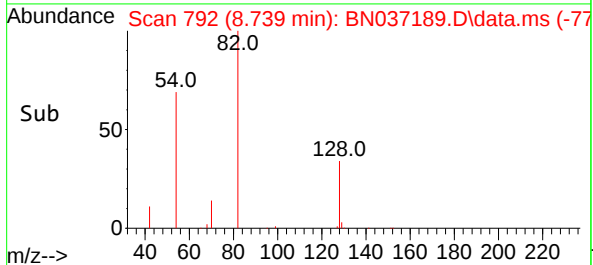
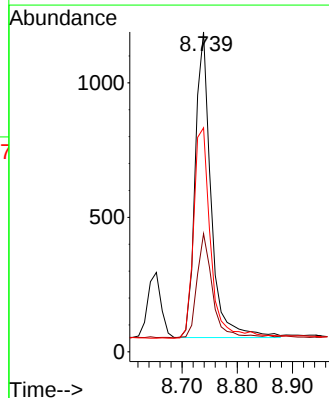
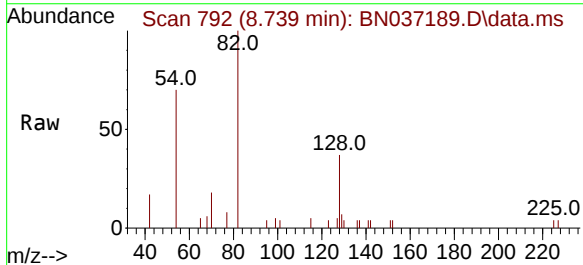
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

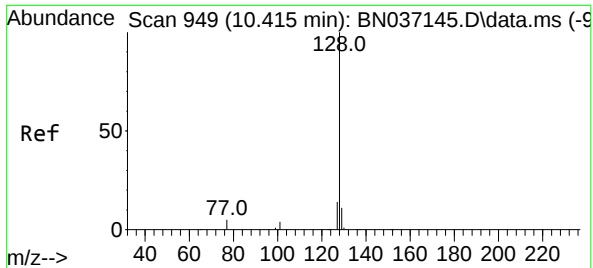
Tgt Ion:	136	Resp:	5342
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	15.6	9.7	14.5#
68	8.2	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:	82	Resp:	2254
Ion	Ratio	Lower	Upper
82	100		
128	36.9	26.9	40.3
54	70.1	61.4	92.2

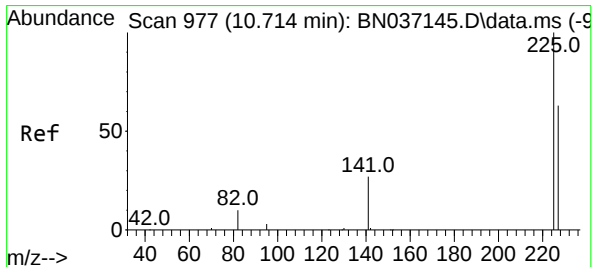
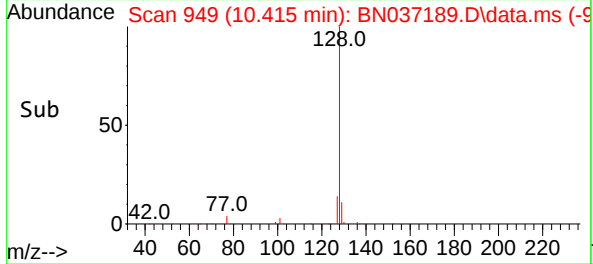
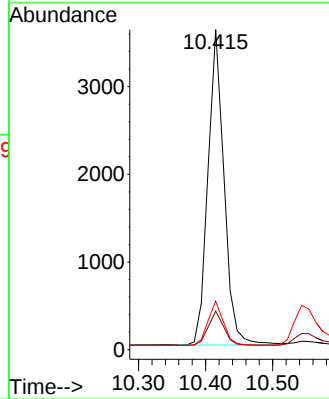
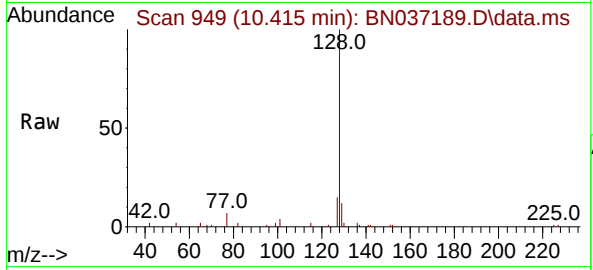




#9
Naphthalene
Concen: 0.389 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

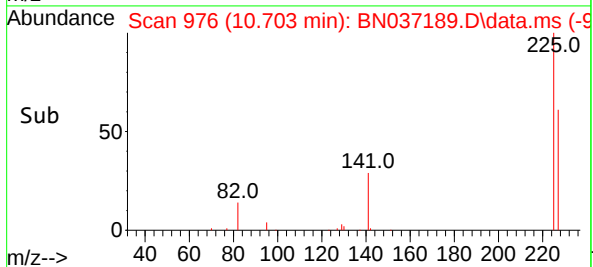
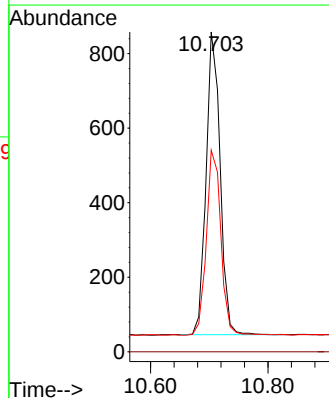
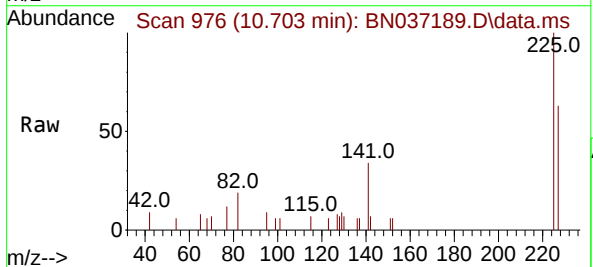
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

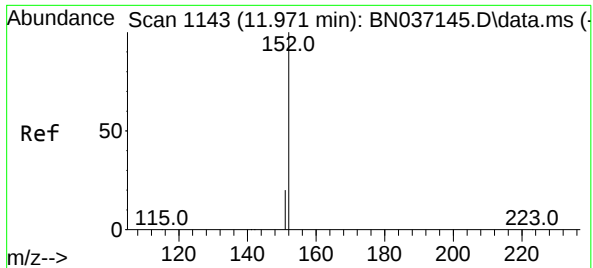
Tgt Ion:128 Resp: 6000
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.8
127 15.2 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.402 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:225 Resp: 1350
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.2 50.3 75.5

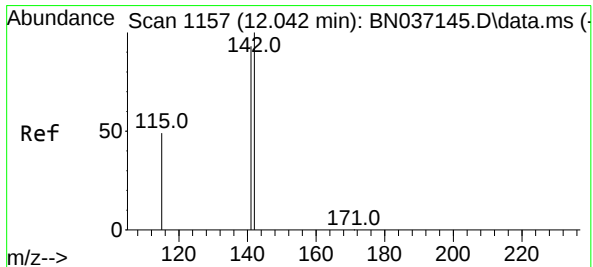
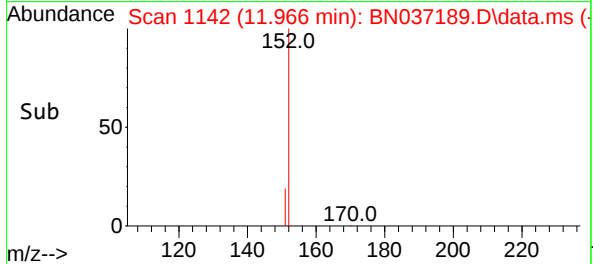
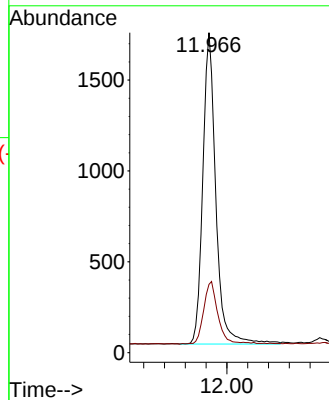
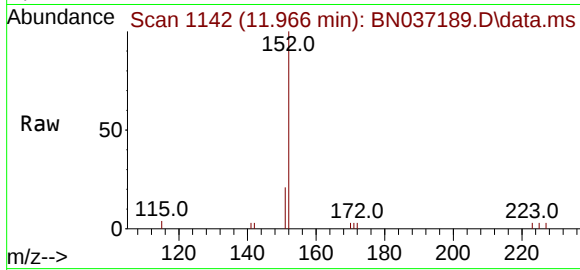




#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

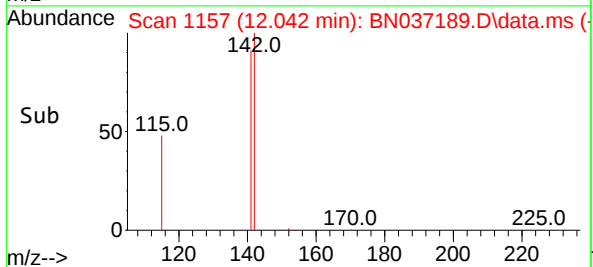
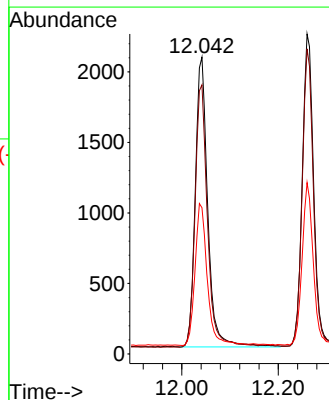
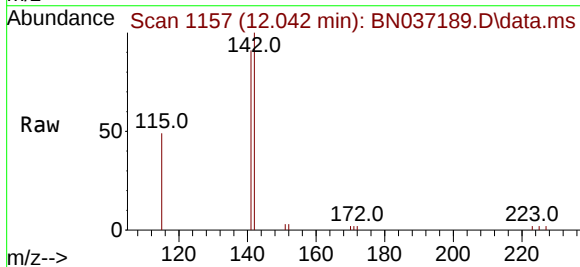
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

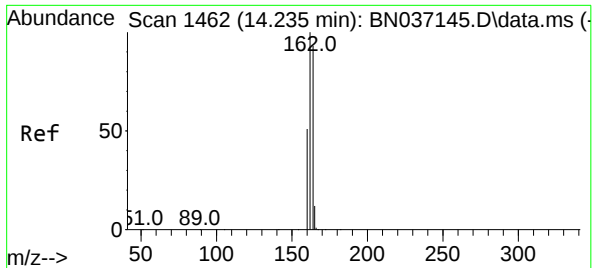
Tgt Ion:152 Resp: 2980
Ion Ratio Lower Upper
152 100
151 22.1 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.373 ng
RT: 12.042 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:142 Resp: 3683
Ion Ratio Lower Upper
142 100
141 90.6 74.6 111.8
115 49.3 41.0 61.4

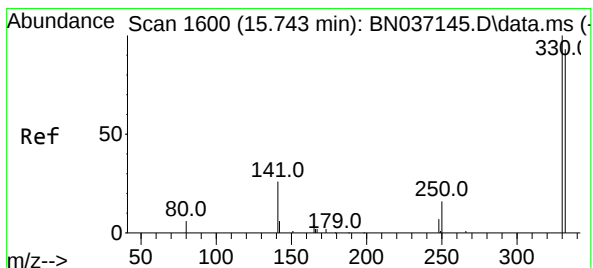
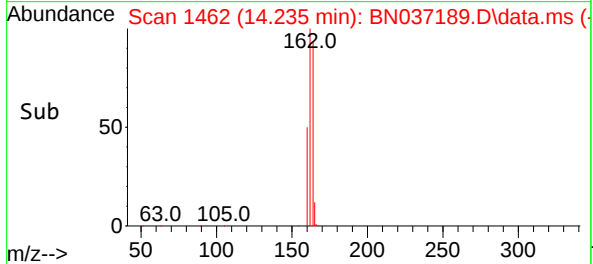
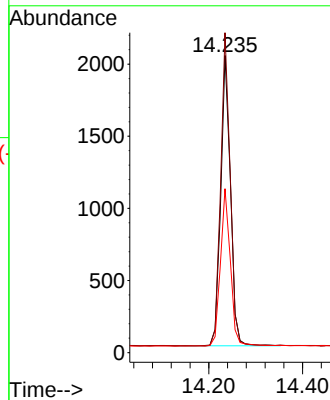
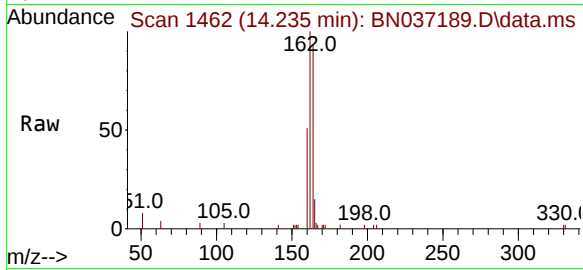




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

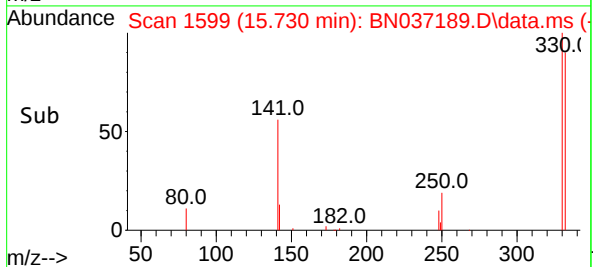
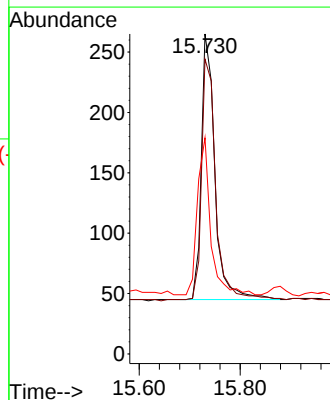
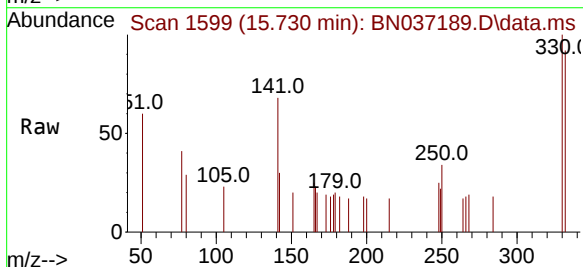
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

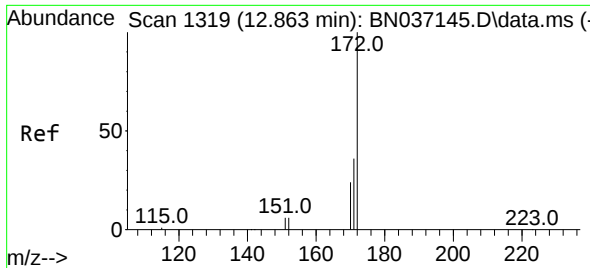
Tgt Ion:164 Resp: 2894
Ion Ratio Lower Upper
164 100
162 107.7 85.5 128.3
160 55.2 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:330 Resp: 410
Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 57.6 46.4 69.6

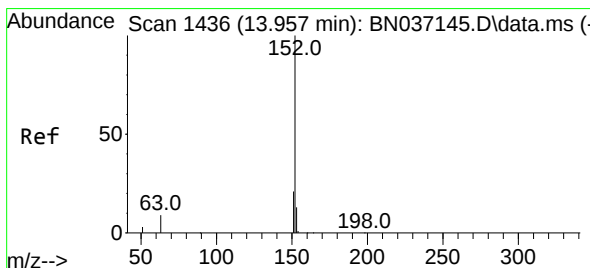
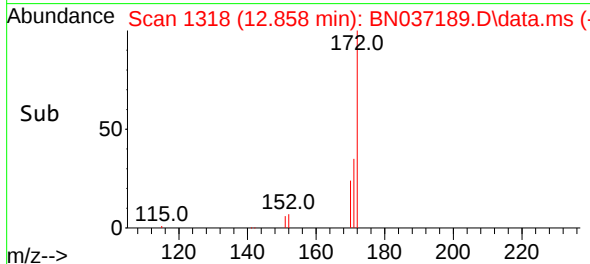
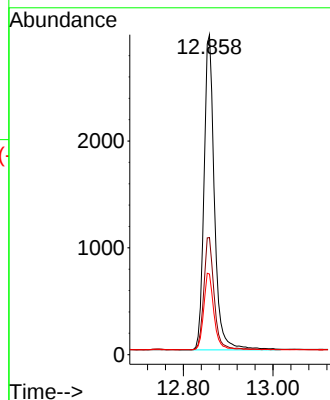
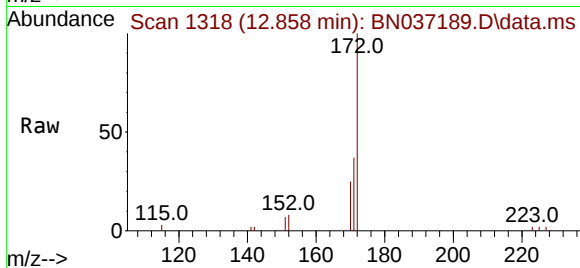




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

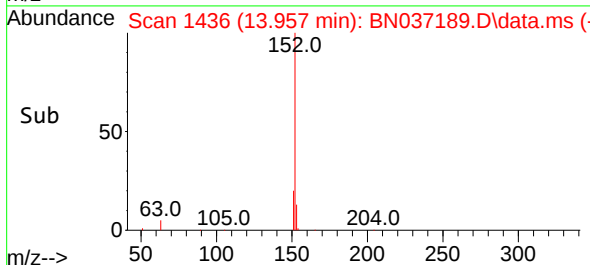
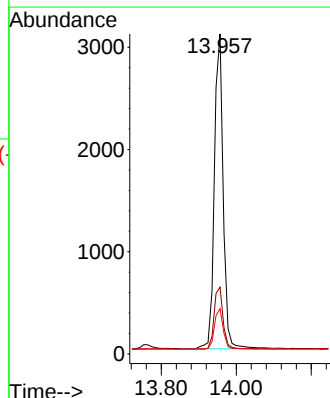
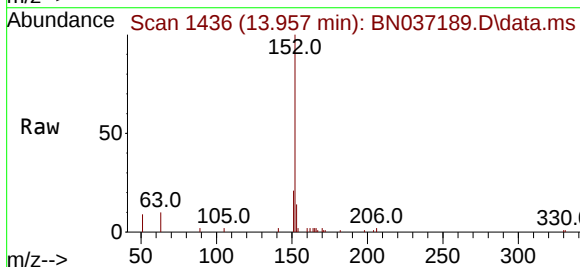
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

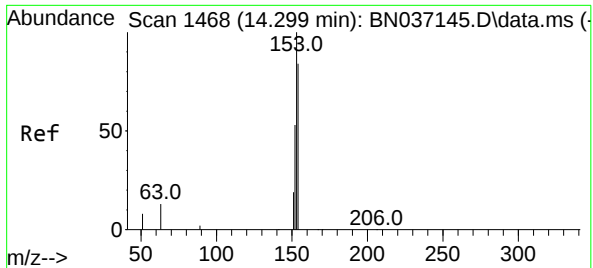
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	25.2	20.3	30.5



#16
Acenaphthylene
Concen: 0.356 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	12.9	10.6	15.8

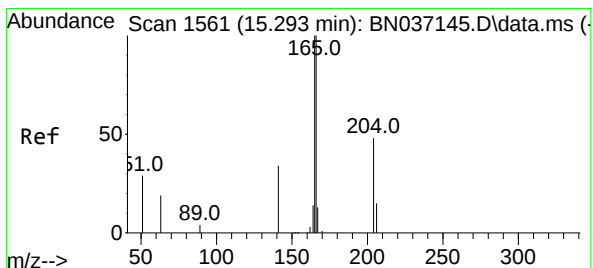
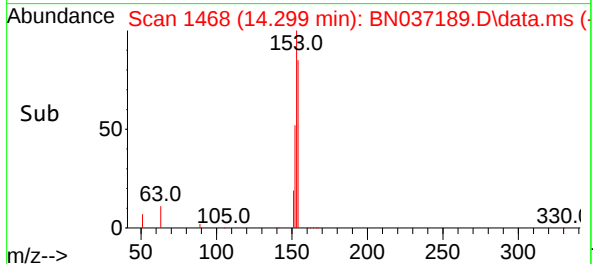
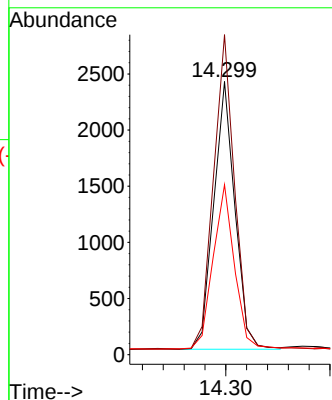
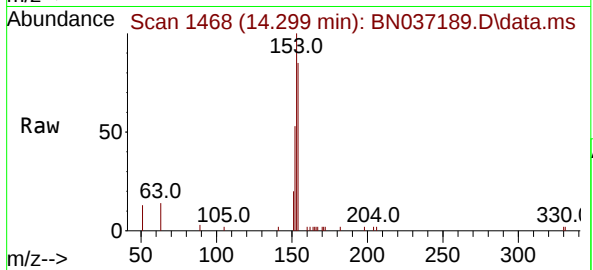




#17
Acenaphthene
Concen: 0.366 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

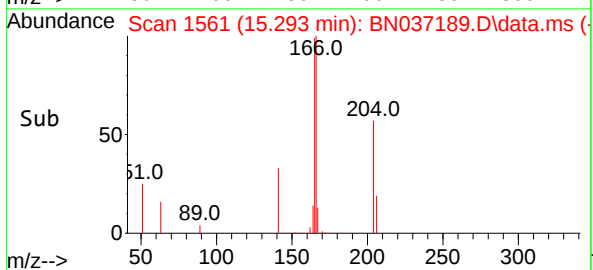
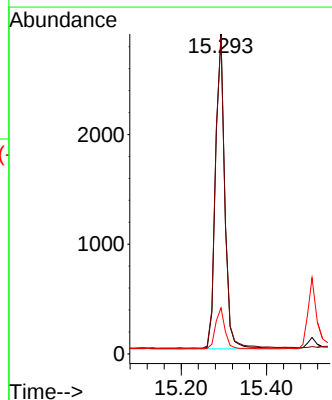
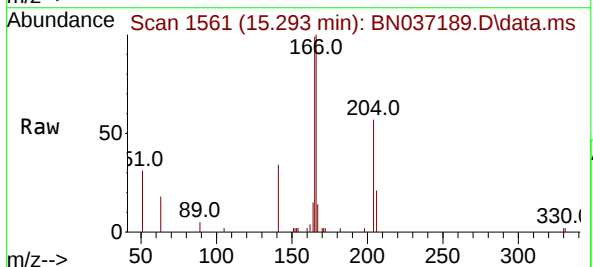
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

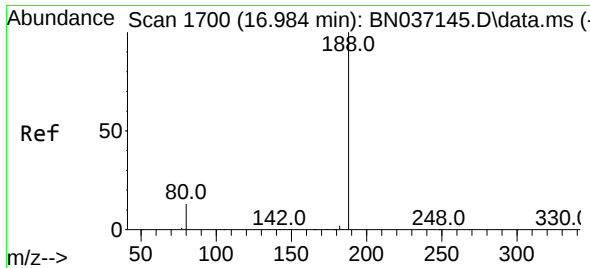
Tgt Ion:154 Resp: 3370
Ion Ratio Lower Upper
154 100
153 117.2 93.8 140.8
152 62.5 50.5 75.7



#18
Fluorene
Concen: 0.359 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:166 Resp: 4348
Ion Ratio Lower Upper
166 100
165 99.8 81.1 121.7
167 13.2 10.8 16.2

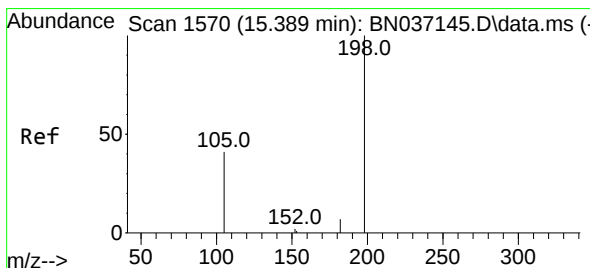
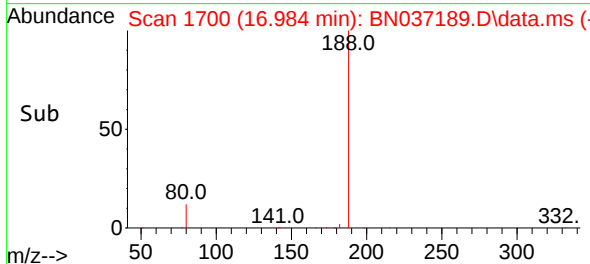
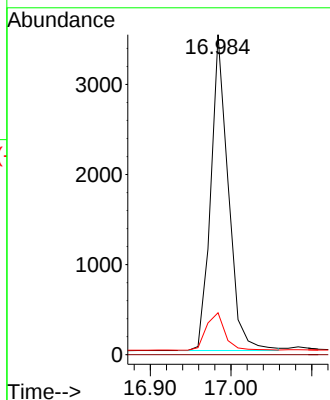
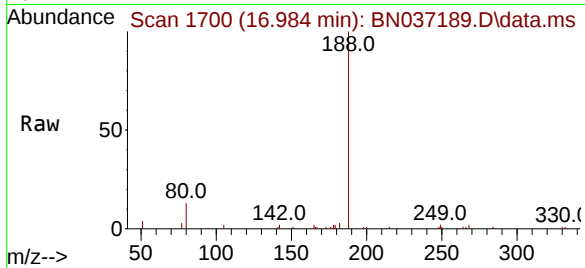




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

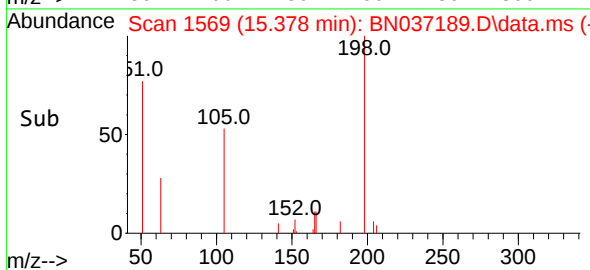
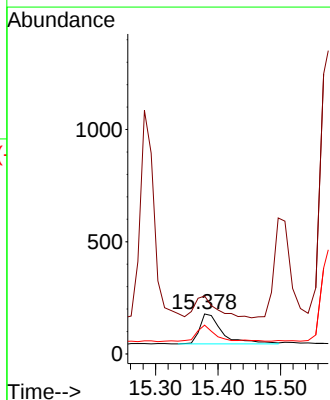
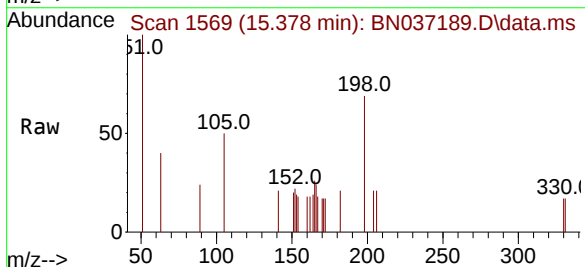
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

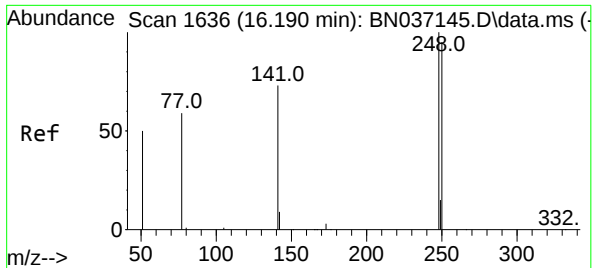
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	11.3	16.9



#20
4,6-Dinitro-2-methylphenol
Concen: 0.487 ng
RT: 15.378 min Scan# 1569
Delta R.T. -0.011 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion	Ratio	Lower	Upper
198	100		
51	144.9	125.2	187.8
105	71.9	57.1	85.7

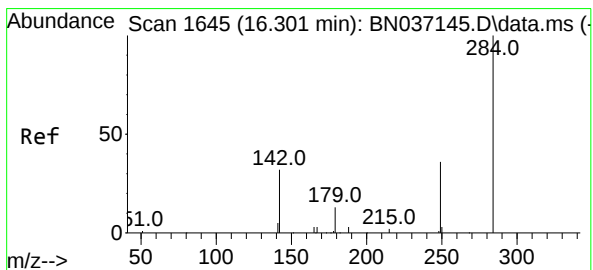
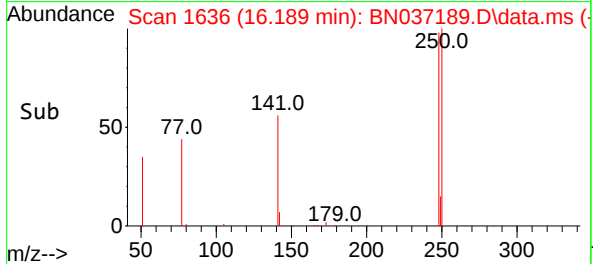
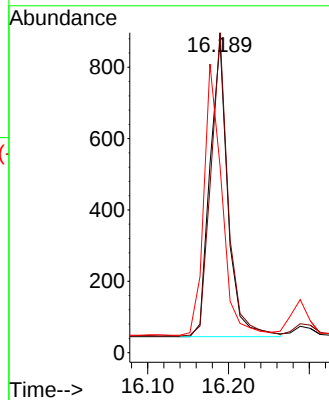
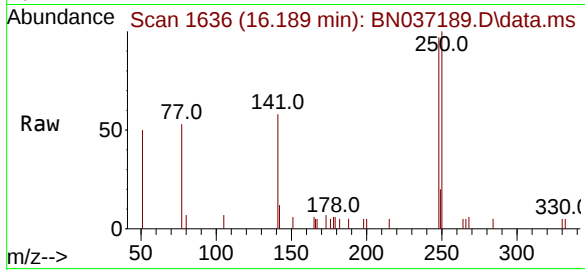




#21
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

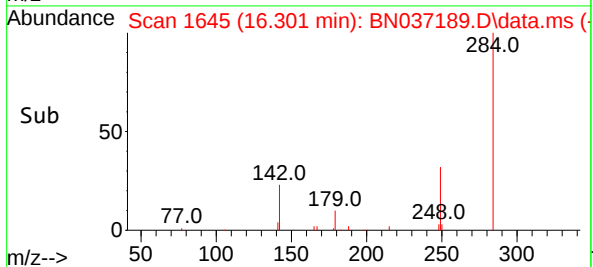
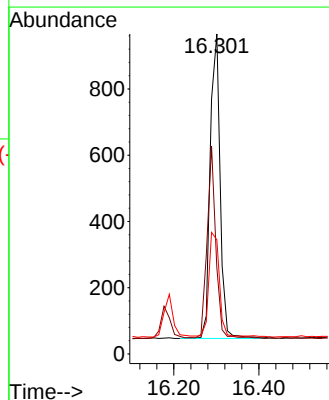
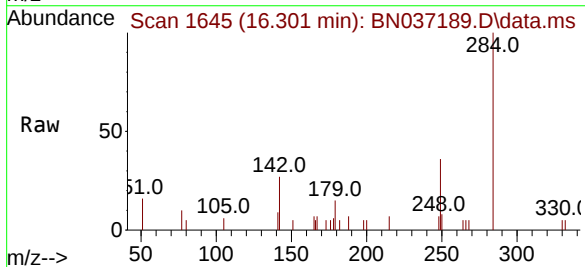
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

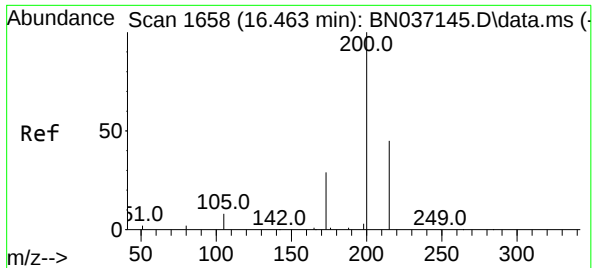
Tgt Ion:248 Resp: 1282
Ion Ratio Lower Upper
248 100
250 102.6 76.1 114.1
141 59.8 60.1 90.1#



#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:284 Resp: 1488
Ion Ratio Lower Upper
284 100
142 55.6 44.0 66.0
249 35.3 29.7 44.5

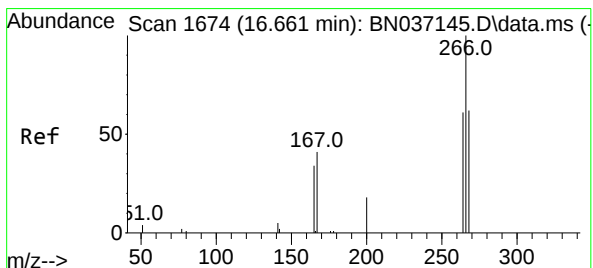
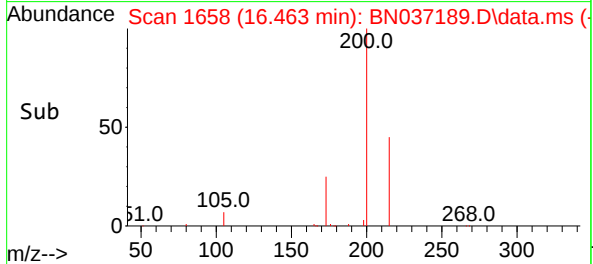
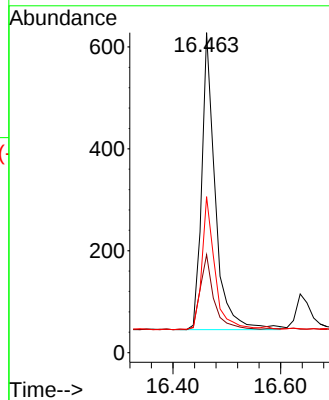
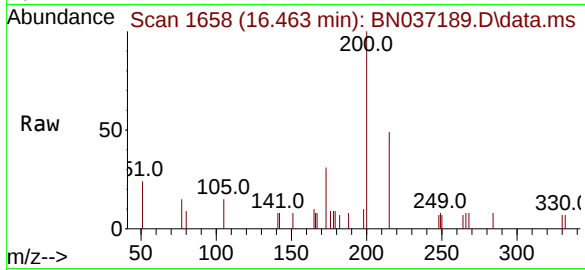




#23
Atrazine
Concen: 0.355 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

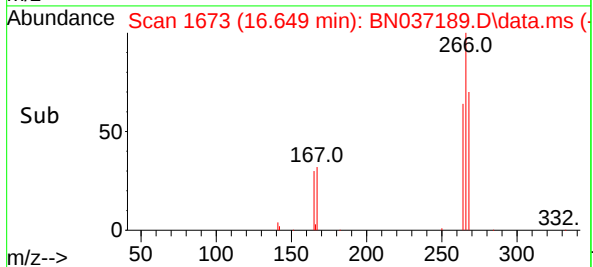
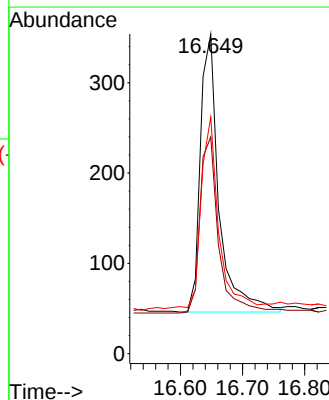
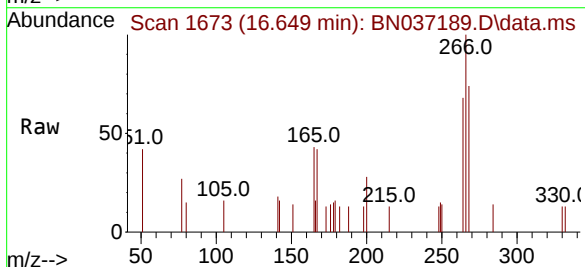
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

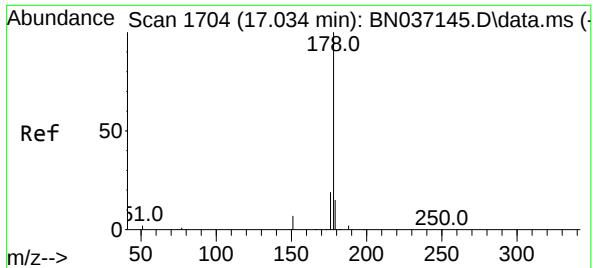
Tgt Ion:	200	Resp:	1020
Ion	Ratio	Lower	Upper
200	100		
173	30.6	28.1	42.1
215	48.7	39.3	58.9



#24
Pentachlorophenol
Concen: 0.502 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:	266	Resp:	645
Ion	Ratio	Lower	Upper
266	100		
264	64.5	49.3	73.9
268	68.5	49.0	73.4

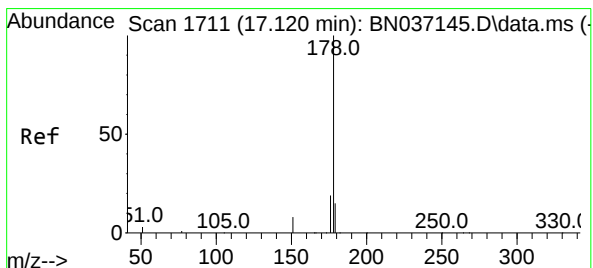
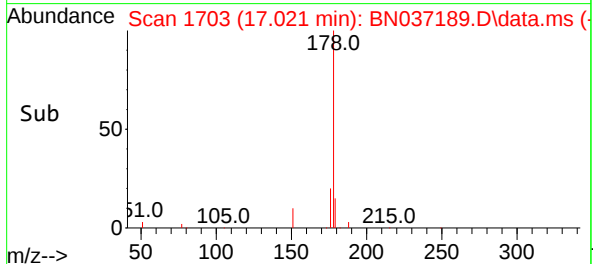
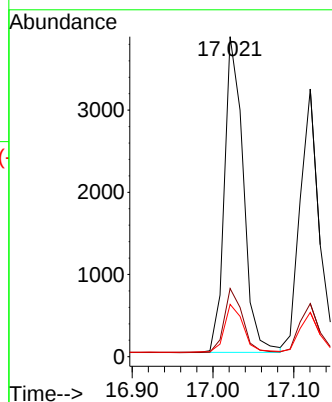
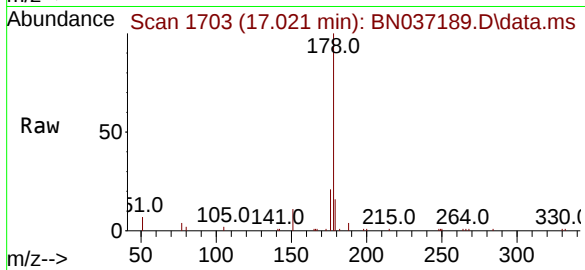




#25
Phenanthrene
Concen: 0.364 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

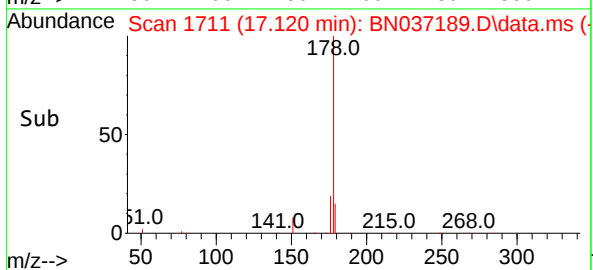
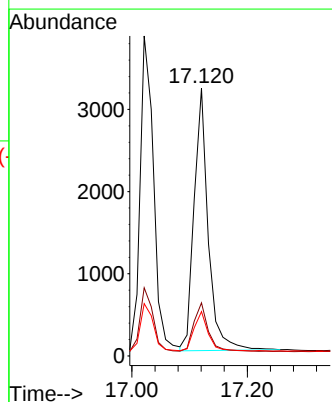
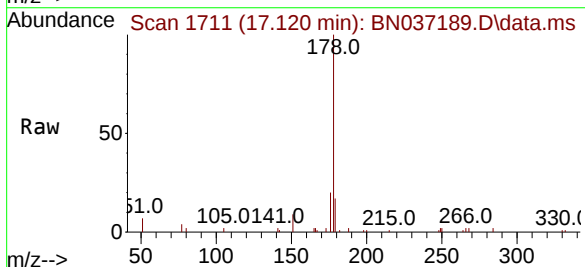
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

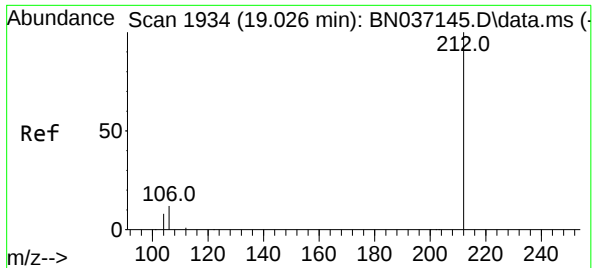
Tgt Ion:178 Resp: 6261
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.2 12.3 18.5



#26
Anthracene
Concen: 0.347 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:178 Resp: 5447
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.1 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.378 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

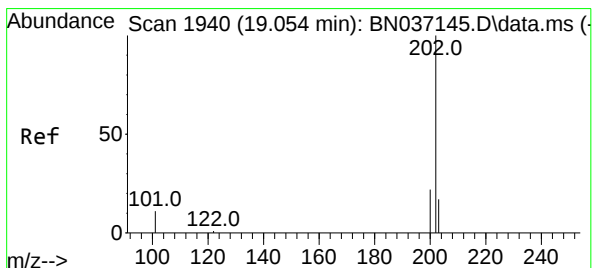
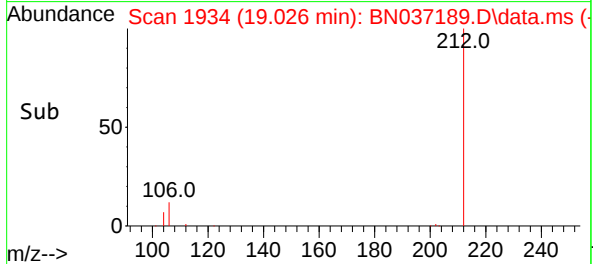
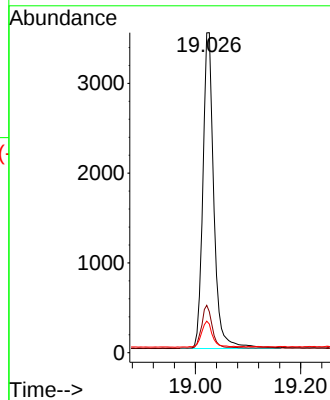
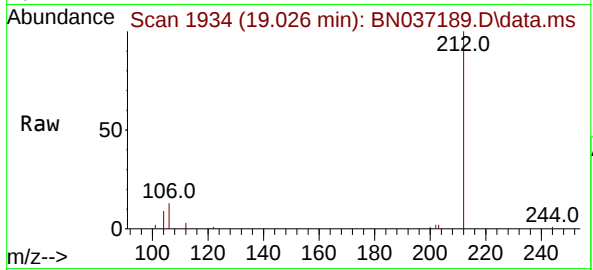
Tgt Ion:212 Resp: 5096

Ion Ratio Lower Upper

212 100

106 13.2 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.350 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

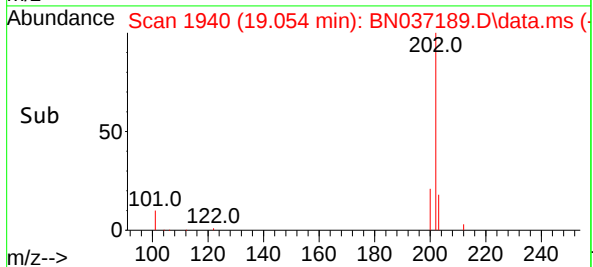
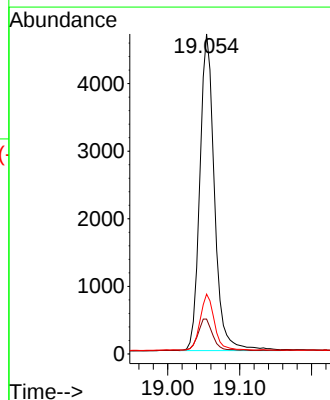
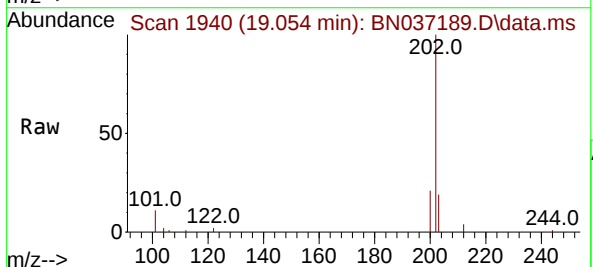
Tgt Ion:202 Resp: 6641

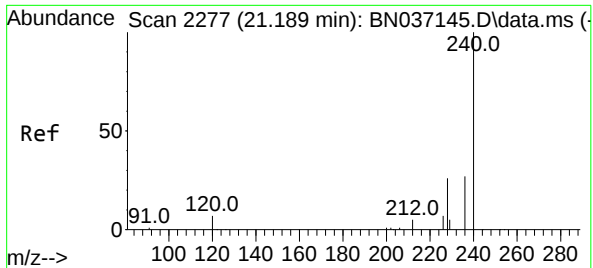
Ion Ratio Lower Upper

202 100

101 10.2 8.7 13.1

203 17.0 13.5 20.3

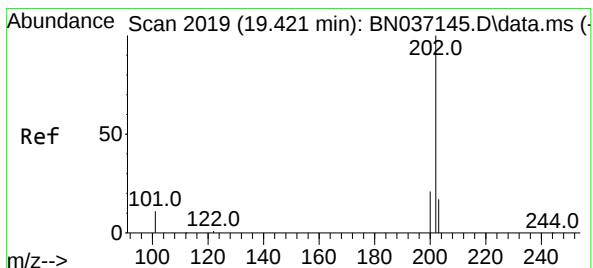
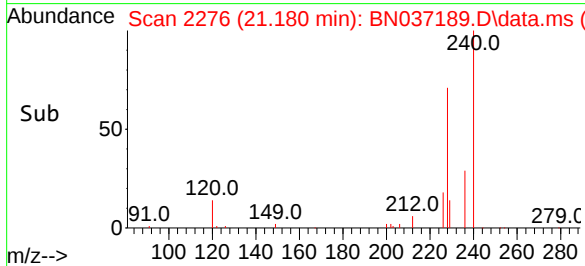
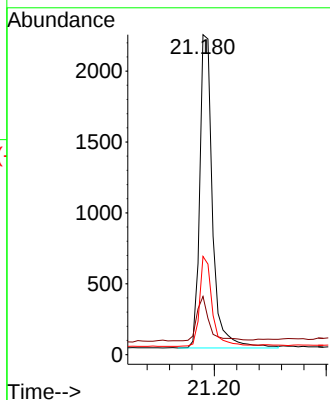
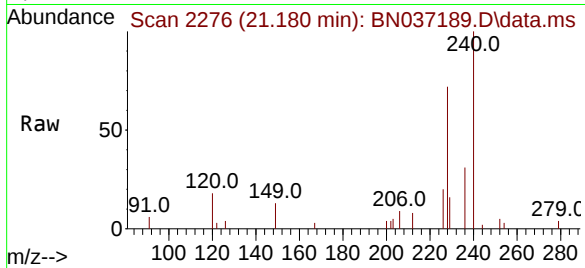




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

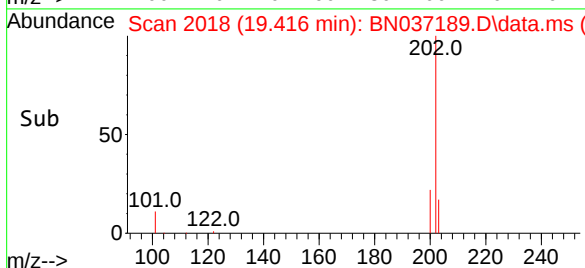
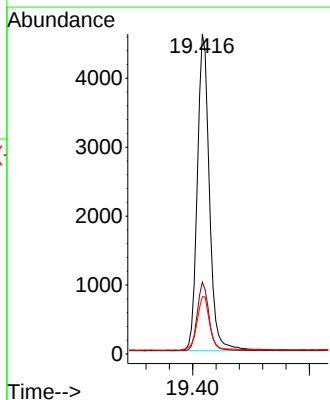
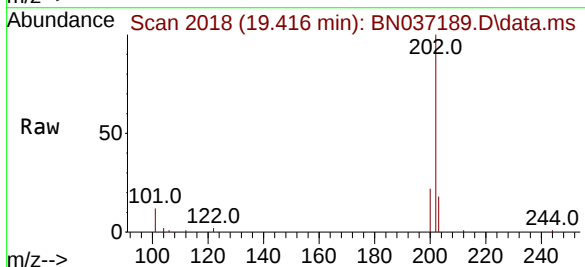
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

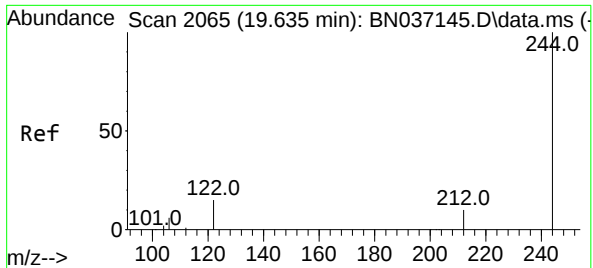
Tgt Ion:240 Resp: 3516
Ion Ratio Lower Upper
240 100
120 18.2 9.0 13.4#
236 30.7 23.0 34.4



#30
Pyrene
Concen: 0.384 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:202 Resp: 6586
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 17.8 14.2 21.4

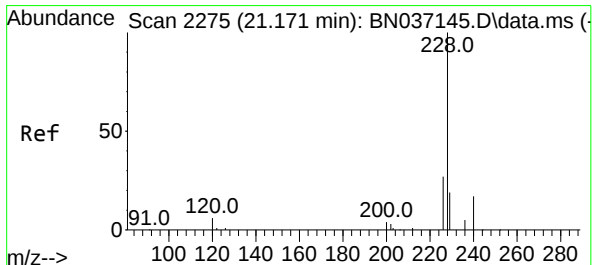
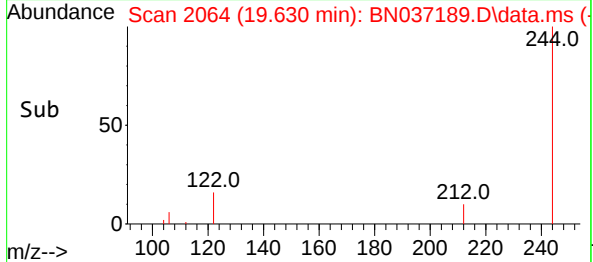
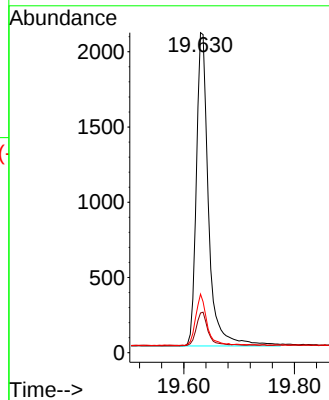
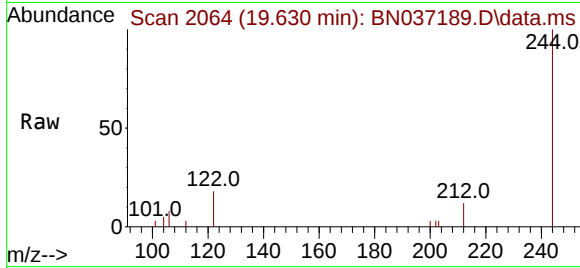




#31
Terphenyl-d14
Concen: 0.386 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

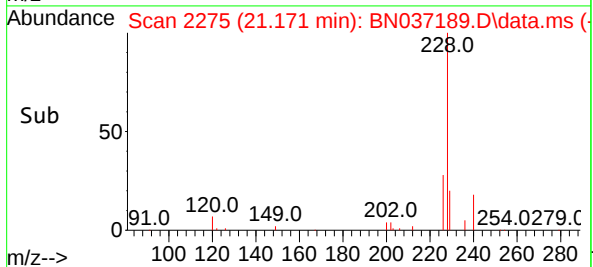
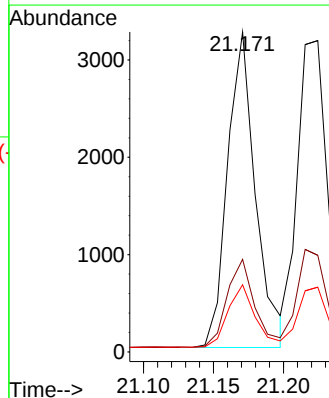
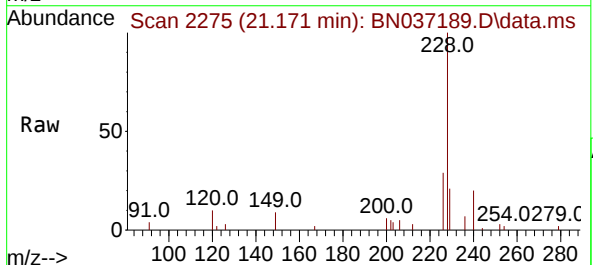
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

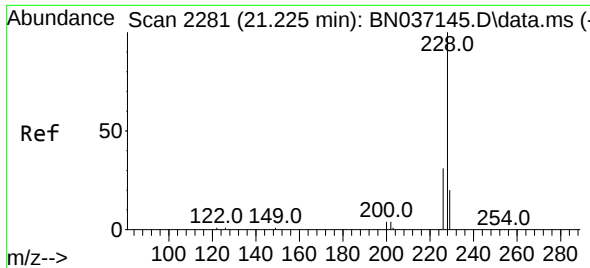
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.4	10.0	15.0
122	18.3	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.354 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.0	16.2	24.2

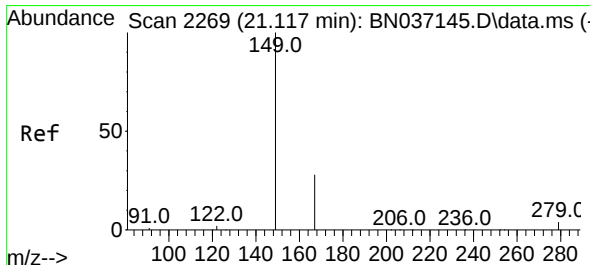
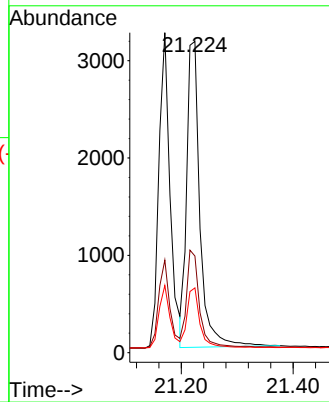
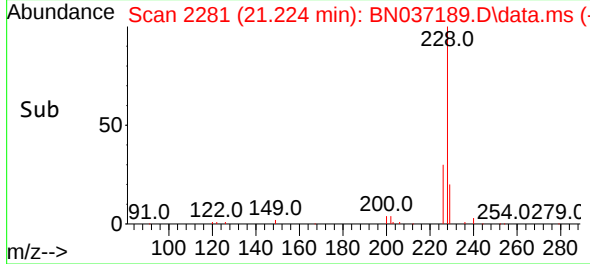
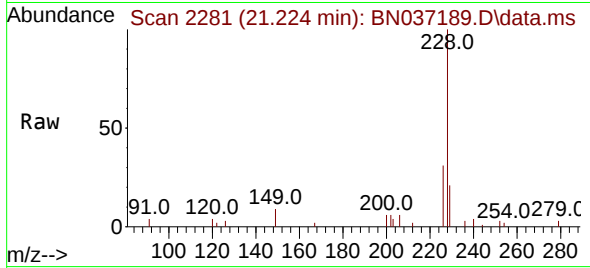




#33
Chrysene
Concen: 0.366 ng
RT: 21.224 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

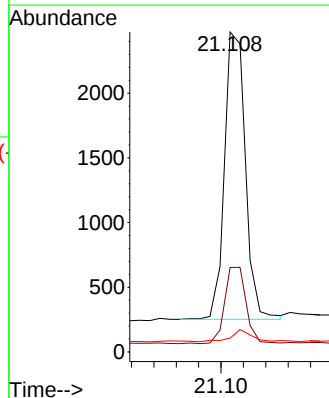
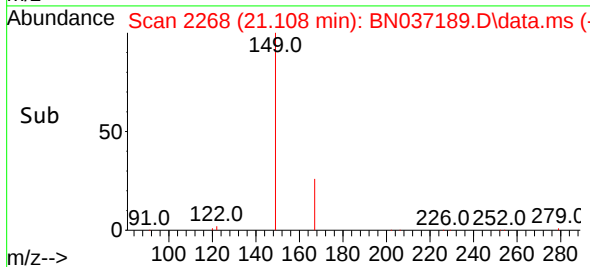
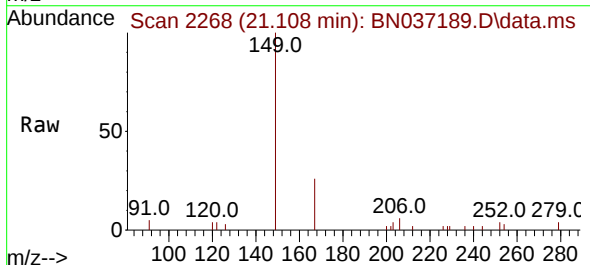
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

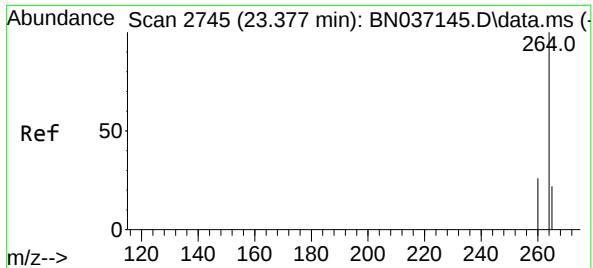
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.2	37.8
229	20.8	16.8	25.2



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.359 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.0	31.4
279	4.4	2.9	4.3

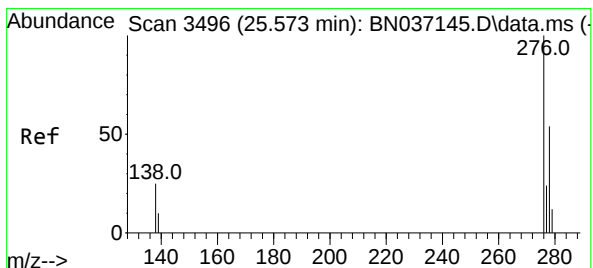
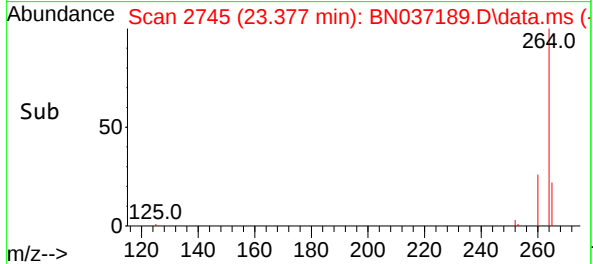
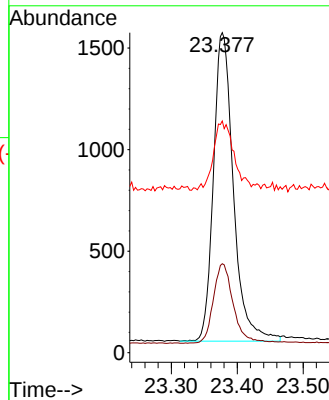
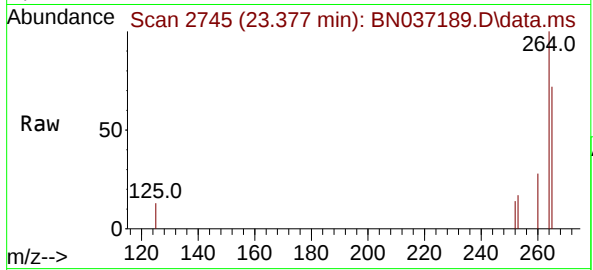




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

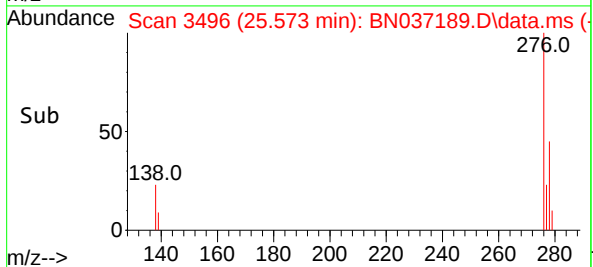
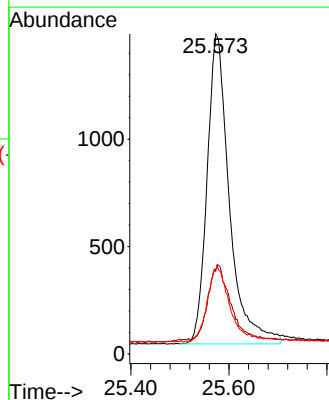
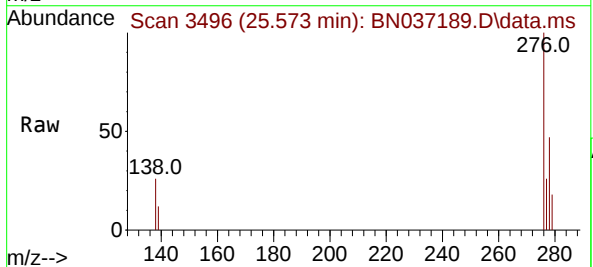
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

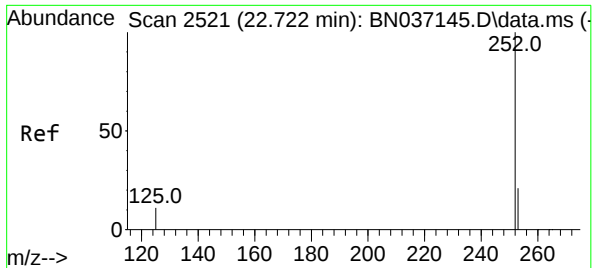
Tgt Ion:264 Resp: 3185
Ion Ratio Lower Upper
264 100
260 27.8 22.1 33.1
265 72.4 55.8 83.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.359 ng
RT: 25.573 min Scan# 3496
Delta R.T. -0.000 min
Lab File: BN037189.D
Acq: 09 Jun 2025 10:54

Tgt Ion:276 Resp: 4552
Ion Ratio Lower Upper
276 100
138 24.2 21.0 31.6
277 24.5 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.358 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

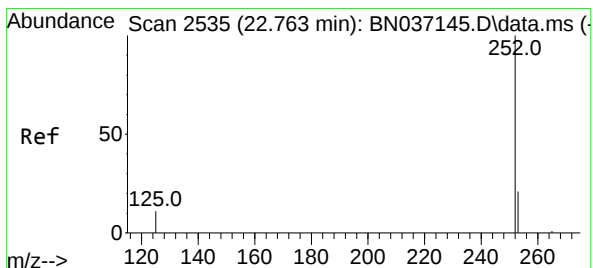
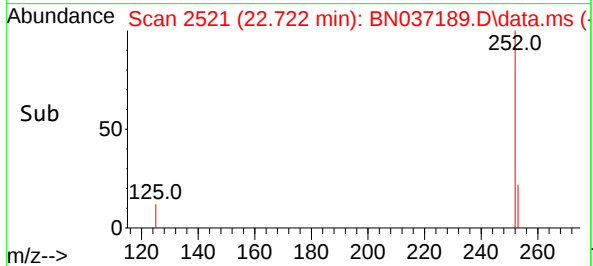
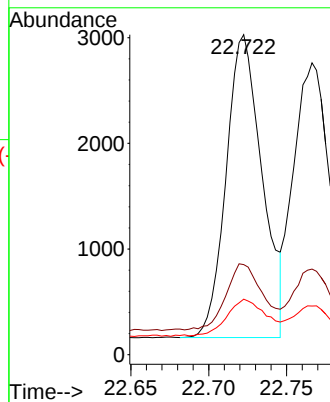
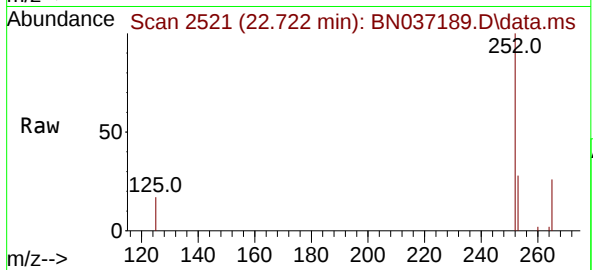
Tgt Ion:252 Resp: 4604

Ion Ratio Lower Upper

252 100

253 28.2 22.3 33.5

125 17.4 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.349 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

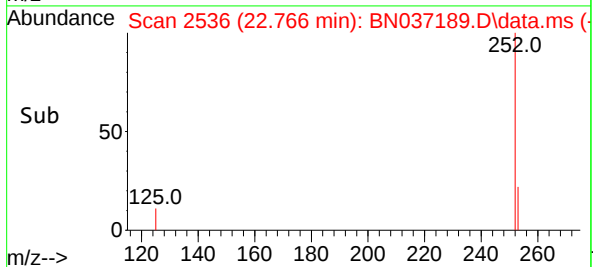
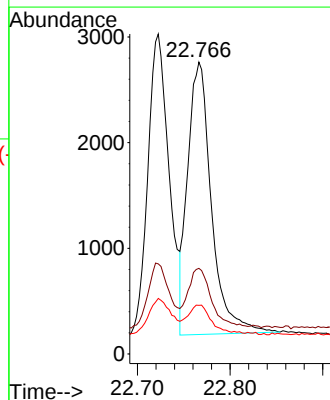
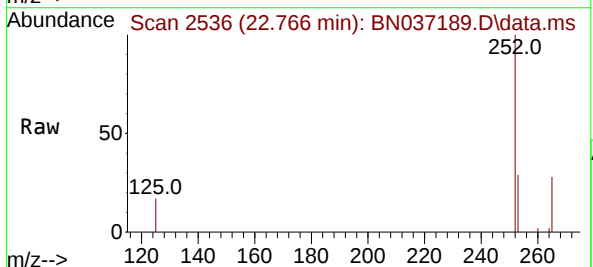
Tgt Ion:252 Resp: 4587

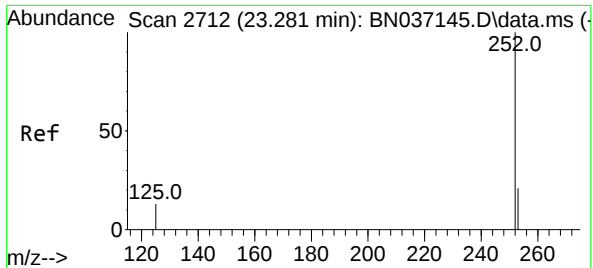
Ion Ratio Lower Upper

252 100

253 29.3 22.2 33.4

125 16.6 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.353 ng

RT: 23.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

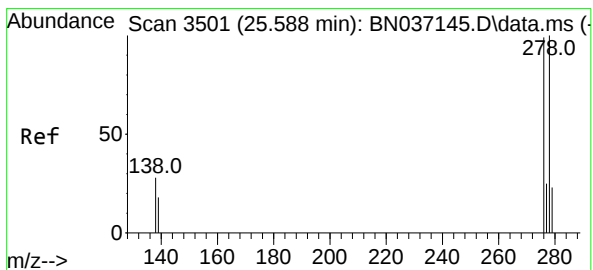
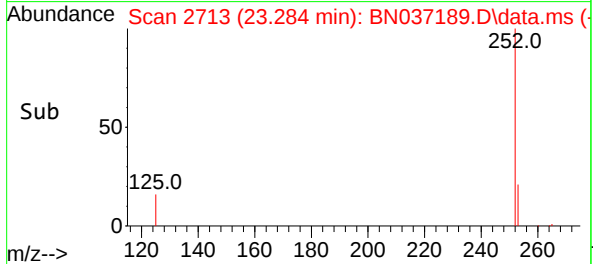
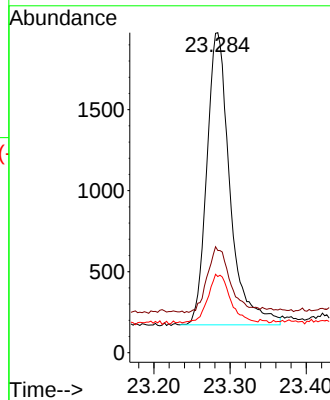
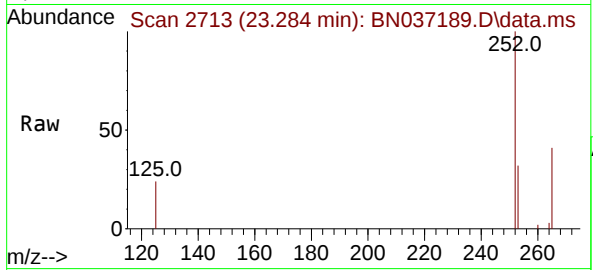
Tgt Ion:252 Resp: 3801

Ion Ratio Lower Upper

252 100

253 31.9 25.0 37.4

125 23.8 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.352 ng

RT: 25.591 min Scan# 3502

Delta R.T. 0.003 min

Lab File: BN037189.D

Acq: 09 Jun 2025 10:54

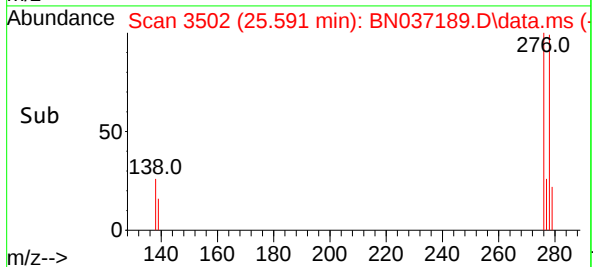
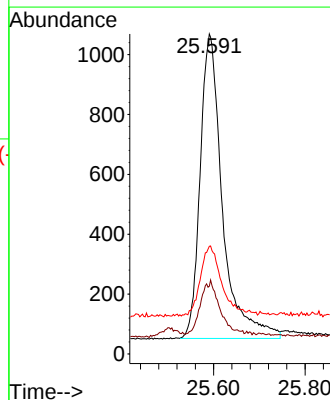
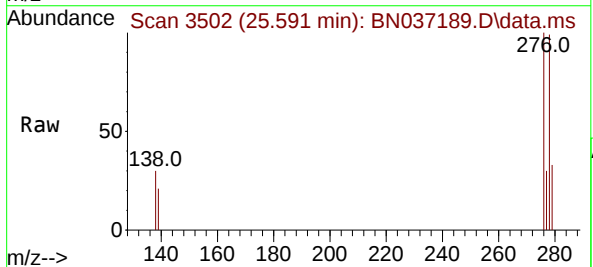
Tgt Ion:278 Resp: 3442

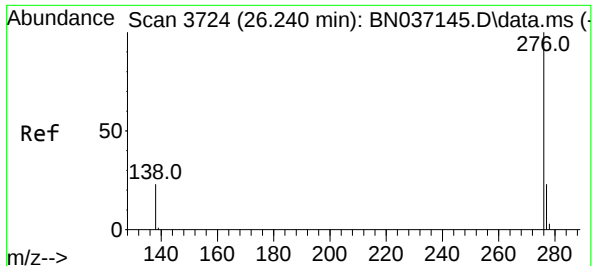
Ion Ratio Lower Upper

278 100

139 21.1 17.6 26.4

279 33.7 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.371 ng

RT: 26.243 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037189.D

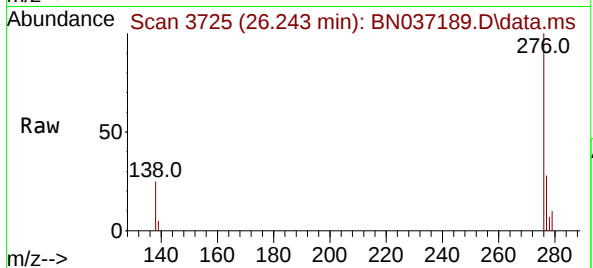
Acq: 09 Jun 2025 10:54

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



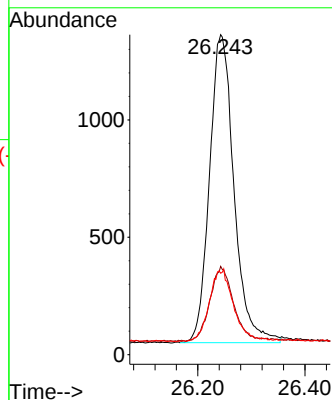
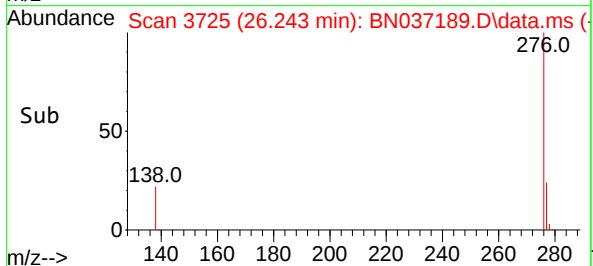
Tgt Ion:276 Resp: 4160

Ion Ratio Lower Upper

276 100

277 27.6 20.9 31.3

138 25.5 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037189.D
 Acq On : 09 Jun 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jun 09 11:21:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 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	100	0.00
2	1,4-Dioxane	0.533	0.519	2.6	101	0.00
3	n-Nitrosodimethylamine	1.071	1.060	1.0	100	0.00
4 S	2-Fluorophenol	0.989	0.924	6.6	98	0.00
5 S	Phenol-d6	1.199	1.124	6.3	99	0.00
6	bis(2-Chloroethyl)ether	1.144	1.125	1.7	99	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	102	-0.01
8 S	Nitrobenzene-d5	0.422	0.422	0.0	103	0.00
9	Naphthalene	1.154	1.123	2.7	103	0.00
10	Hexachlorobutadiene	0.251	0.253	-0.8	99	-0.01
11 SURR	2-Methylnaphthalene-d10	0.557	0.558	-0.2	101	0.00
12	2-Methylnaphthalene	0.740	0.689	6.9	102	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
14 S	2,4,6-Tribromophenol	0.161	0.142	11.8	97	-0.01
15 S	2-Fluorobiphenyl	1.705	1.691	0.8	104	0.00
16	Acenaphthylene	1.961	1.747	10.9	99	0.00
17	Acenaphthene	1.273	1.164	8.6	101	0.00
18	Fluorene	1.674	1.502	10.3	99	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
20	4,6-Dinitro-2-methylphenol	0.077	0.062	19.5	122	-0.01
21	4-Bromophenyl-phenylether	0.262	0.242	7.6	96	0.00
22	Hexachlorobenzene	0.283	0.280	1.1	102	0.00
23	Atrazine	0.216	0.192	11.1	100	0.00
24	Pentachlorophenol	0.124	0.122	1.6	128	-0.01
25	Phenanthrene	1.296	1.180	9.0	96	-0.01
26	Anthracene	1.183	1.026	13.3	97	0.00
27 SURR	Fluoranthene-d10	1.016	0.960	5.5	96	0.00
28	Fluoranthene	1.432	1.251	12.6	96	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
30	Pyrene	1.953	1.873	4.1	96	0.00
31 S	Terphenyl-d14	0.942	0.909	3.5	95	0.00
32	Benzo(a)anthracene	1.448	1.282	11.5	93	0.00
33	Chrysene	1.612	1.474	8.6	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.914	0.819	10.4	99	0.00
35 I	Perylene-d12	1.000	1.000	0.0	94	0.00
36	Indeno(1,2,3-cd)pyrene	1.591	1.429	10.2	90	0.00
37	Benzo(b)fluoranthene	1.615	1.446	10.5	96	0.00
38	Benzo(k)fluoranthene	1.648	1.440	12.6	93	0.00
39 C	Benzo(a)pyrene	1.352	1.193	11.8	92	0.00
40	Dibenzo(a,h)anthracene	1.227	1.081	11.9	88	0.00
41	Benzo(g,h,i)perylene	1.410	1.306	7.4	91	0.00

(#) = Out of Range

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

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037189.D
 Acq On : 09 Jun 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jun 09 11:21:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 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	0.400	0.400	0.0	100	0.00
2	1,4-Dioxane	0.400	0.389	2.8	101	0.00
3	n-Nitrosodimethylamine	0.400	0.396	1.0	100	0.00
4 S	2-Fluorophenol	0.400	0.373	6.8	98	0.00
5 S	Phenol-d6	0.400	0.375	6.3	99	0.00
6	bis(2-Chloroethyl)ether	0.400	0.393	1.8	99	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	102	-0.01
8 S	Nitrobenzene-d5	0.400	0.400	0.0	103	0.00
9	Naphthalene	0.400	0.389	2.8	103	0.00
10	Hexachlorobutadiene	0.400	0.402	-0.5	99	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.401	-0.3	101	0.00
12	2-Methylnaphthalene	0.400	0.373	6.8	102	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	100	0.00
14 S	2,4,6-Tribromophenol	0.400	0.352	12.0	97	-0.01
15 S	2-Fluorobiphenyl	0.400	0.397	0.8	104	0.00
16	Acenaphthylene	0.400	0.356	11.0	99	0.00
17	Acenaphthene	0.400	0.366	8.5	101	0.00
18	Fluorene	0.400	0.359	10.3	99	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	97	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.487	-21.7	122	-0.01
21	4-Bromophenyl-phenylether	0.400	0.369	7.8	96	0.00
22	Hexachlorobenzene	0.400	0.396	1.0	102	0.00
23	Atrazine	0.400	0.355	11.3	100	0.00
24	Pentachlorophenol	0.400	0.502	-25.5#	128	-0.01
25	Phenanthrene	0.400	0.364	9.0	96	-0.01
26	Anthracene	0.400	0.347	13.3	97	0.00
27 SURR	Fluoranthene-d10	0.400	0.378	5.5	96	0.00
28	Fluoranthene	0.400	0.350	12.5	96	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	93	0.00
30	Pyrene	0.400	0.384	4.0	96	0.00
31 S	Terphenyl-d14	0.400	0.386	3.5	95	0.00
32	Benzo(a)anthracene	0.400	0.354	11.5	93	0.00
33	Chrysene	0.400	0.366	8.5	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.359	10.3	99	0.00
35 I	Perylene-d12	0.400	0.400	0.0	94	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.359	10.3	90	0.00
37	Benzo(b)fluoranthene	0.400	0.358	10.5	96	0.00
38	Benzo(k)fluoranthene	0.400	0.349	12.8	93	0.00
39 C	Benzo(a)pyrene	0.400	0.353	11.8	92	0.00
40	Dibenzo(a,h)anthracene	0.400	0.352	12.0	88	0.00
41	Benzo(g,h,i)perylene	0.400	0.371	7.3	91	0.00

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG No.: Q2234

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 23:11

Lab File ID: BN037204.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.554		-0.5	20.0
Fluoranthene-d10	1.016	0.919		-9.5	20.0
2-Fluorophenol	0.989	0.935		-5.5	20.0
Phenol-d6	1.199	1.161		-3.2	20.0
Nitrobenzene-d5	0.422	0.423		0.2	20.0
2-Fluorobiphenyl	1.705	1.685		-1.2	20.0
2,4,6-Tribromophenol	0.161	0.151		-6.2	20.0
Terphenyl-d14	0.942	0.919		-2.4	20.0
1,4-Dioxane	0.533	0.495		-7.1	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037204.D
 Acq On : 09 Jun 2025 23:11
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jun 10 04:04:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

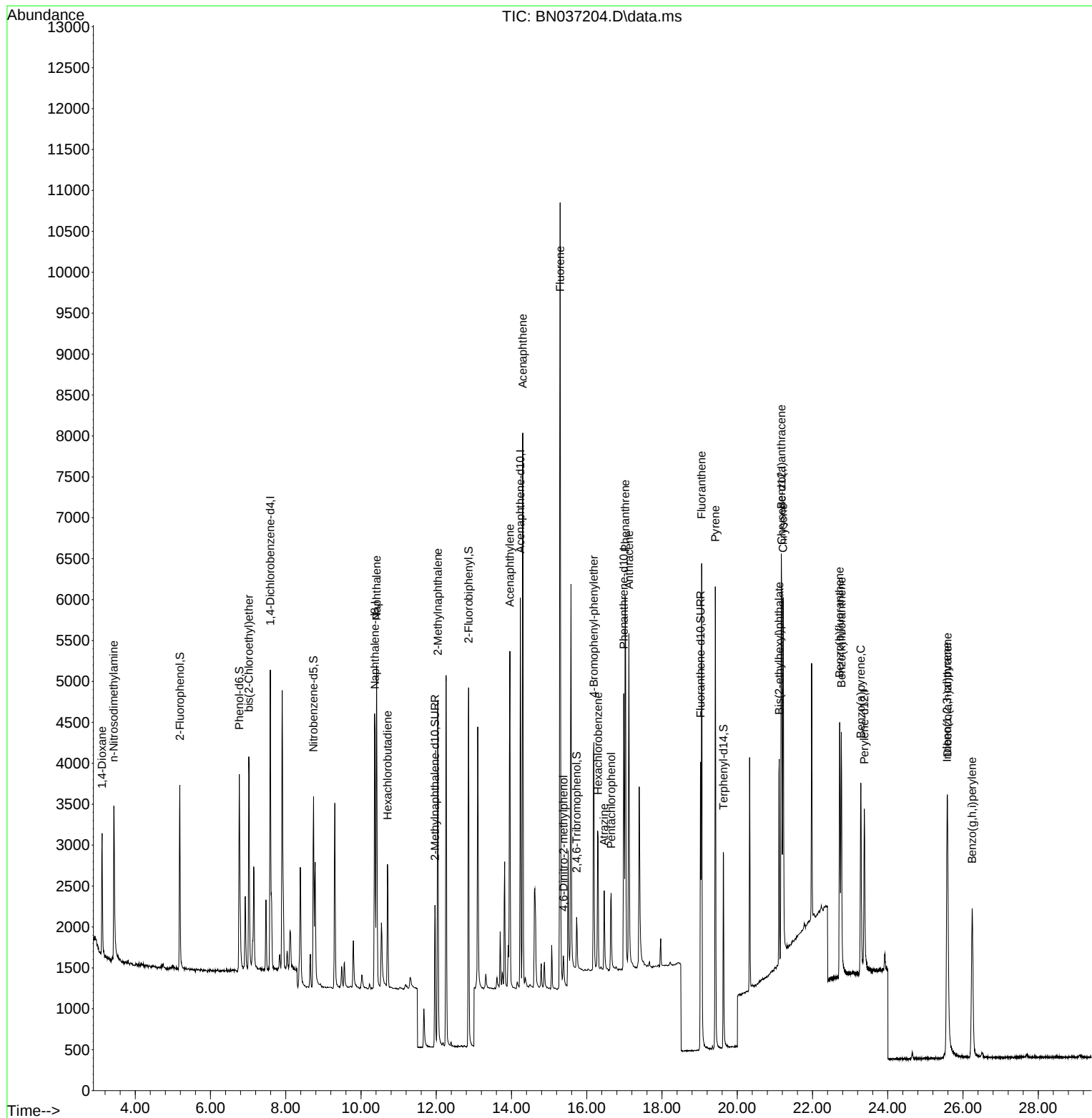
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1688	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4447	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2457	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4471	0.400	ng	0.00
29) Chrysene-d12	21.180	240	2829	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2684	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1579	0.378	ng	0.00
5) Phenol-d6	6.766	99	1959	0.387	ng	0.00
8) Nitrobenzene-d5	8.739	82	1880	0.401	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2463	0.398	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	370	0.374	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4140	0.395	ng	0.00
27) Fluoranthene-d10	19.026	212	4111	0.362	ng	0.00
31) Terphenyl-d14	19.635	244	2600	0.390	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	836	0.372	ng	96
3) n-Nitrosodimethylamine	3.429	42	1892	0.419	ng	93
6) bis(2-Chloroethyl)ether	7.019	93	1846	0.382	ng	95
9) Naphthalene	10.415	128	4918	0.383	ng	99
10) Hexachlorobutadiene	10.703	225	1140	0.408	ng	# 100
12) 2-Methylnaphthalene	12.041	142	3069	0.373	ng	98
16) Acenaphthylene	13.956	152	4318	0.358	ng	100
17) Acenaphthene	14.299	154	2830	0.362	ng	99
18) Fluorene	15.293	166	3684	0.358	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	360	0.549	ng	# 76
21) 4-Bromophenyl-phenylether	16.189	248	1090	0.372	ng	92
22) Hexachlorobenzene	16.301	284	1245	0.394	ng	99
23) Atrazine	16.462	200	893	0.369	ng	96
24) Pentachlorophenol	16.649	266	562	0.512	ng	99
25) Phenanthrene	17.021	178	5255	0.363	ng	100
26) Anthracene	17.120	178	4594	0.348	ng	99
28) Fluoranthene	19.054	202	5351	0.334	ng	99
30) Pyrene	19.416	202	5310	0.385	ng	99
32) Benzo(a)anthracene	21.171	228	3655	0.357	ng	98
33) Chrysene	21.215	228	4111	0.361	ng	98
34) Bis(2-ethylhexyl)phtha...	21.117	149	2430	0.376	ng	98
36) Indeno(1,2,3-cd)pyrene	25.576	276	4264	0.399	ng	97
37) Benzo(b)fluoranthene	22.722	252	3713	0.343	ng	96
38) Benzo(k)fluoranthene	22.766	252	3991	0.361	ng	98
39) Benzo(a)pyrene	23.284	252	3310	0.365	ng	# 93
40) Dibenzo(a,h)anthracene	25.587	278	3252	0.395	ng	98
41) Benzo(g,h,i)perylene	26.242	276	3769	0.398	ng	98

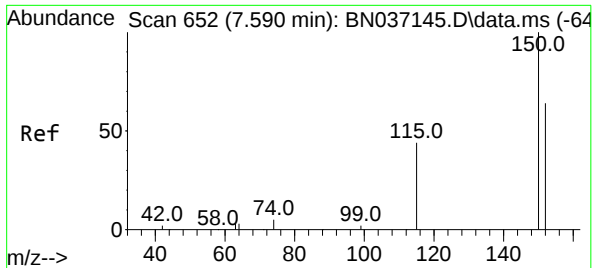
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037204.D
Acq On : 09 Jun 2025 23:11
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 10 04:04:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

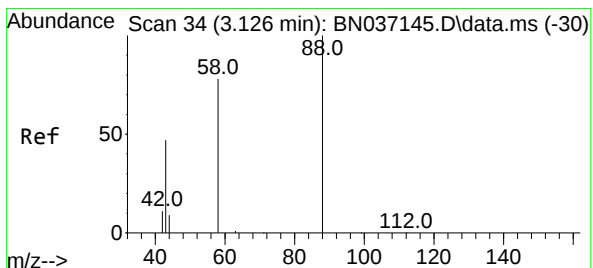
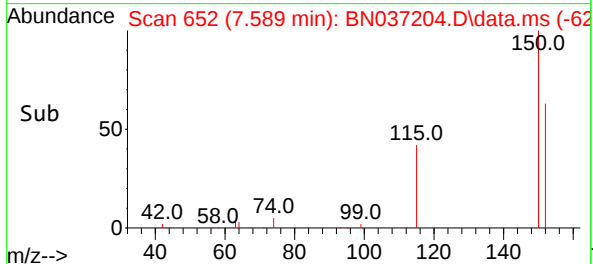
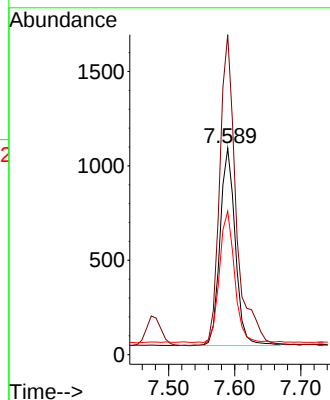
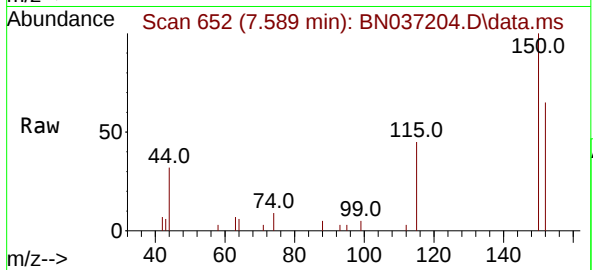




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

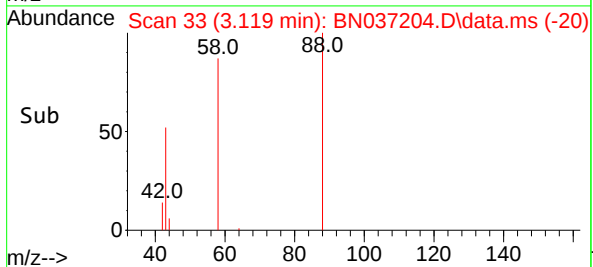
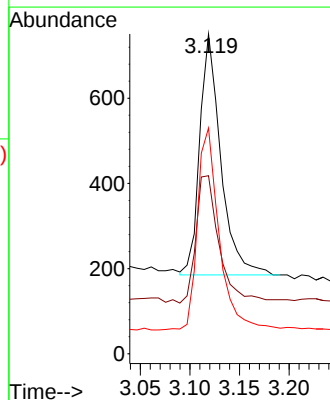
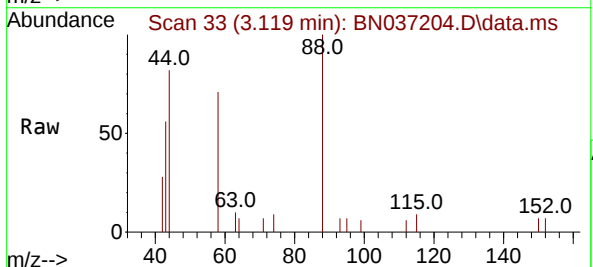
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1688
Ion Ratio Lower Upper
152 100
150 154.9 123.2 184.8
115 69.5 56.6 85.0

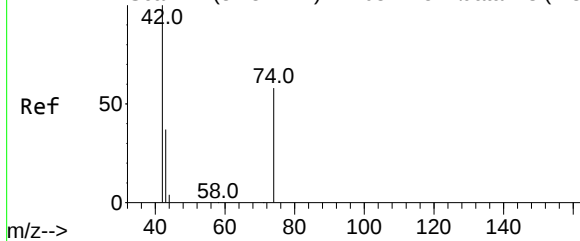


#2
1,4-Dioxane
Concen: 0.372 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion: 88 Resp: 836
Ion Ratio Lower Upper
88 100
43 59.2 43.5 65.3
58 86.4 67.7 101.5



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.419 ng

RT: 3.429 min Scan# 7

Delta R.T. -0.007 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 1892

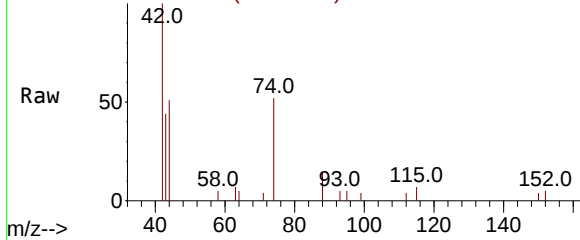
Ion Ratio Lower Upper

42 100

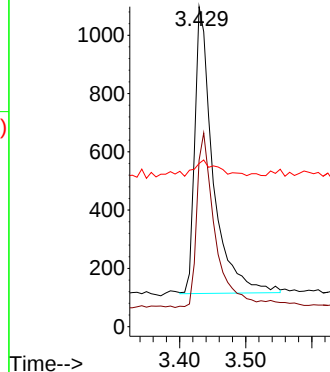
74 60.5 53.0 79.4

44 7.2 5.9 8.9

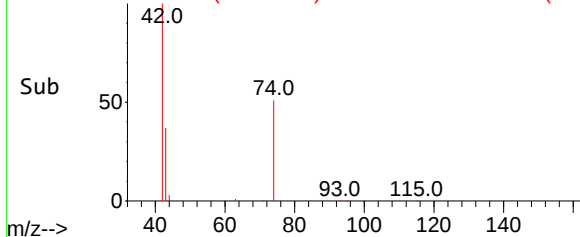
Abundance Scan 76 (3.429 min): BN037204.D\data.ms



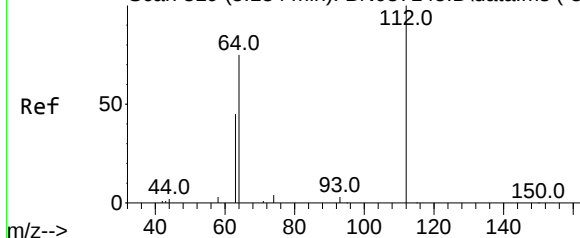
Abundance



Abundance Scan 76 (3.429 min): BN037204.D\data.ms (-56)



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.378 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

Tgt Ion: 112 Resp: 1579

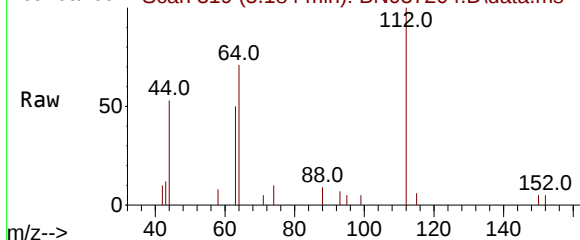
Ion Ratio Lower Upper

112 100

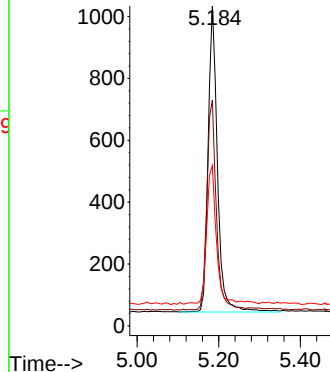
64 68.8 56.3 84.5

63 46.4 36.2 54.4

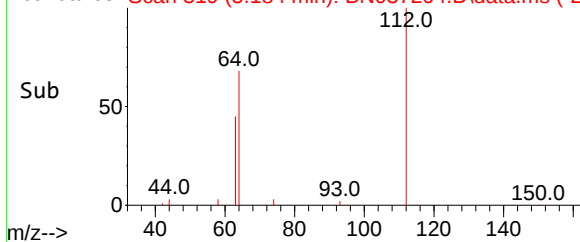
Abundance Scan 319 (5.184 min): BN037204.D\data.ms

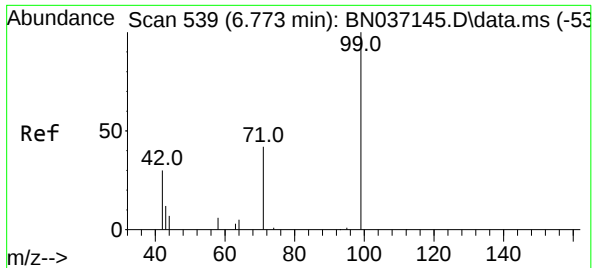


Abundance



Abundance Scan 319 (5.184 min): BN037204.D\data.ms (-29)

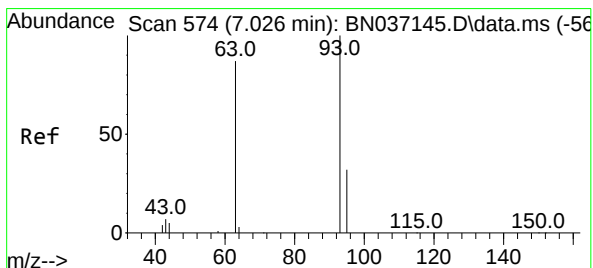
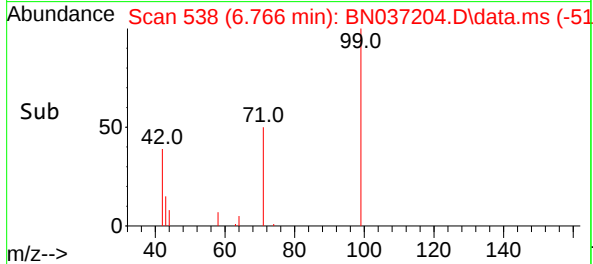
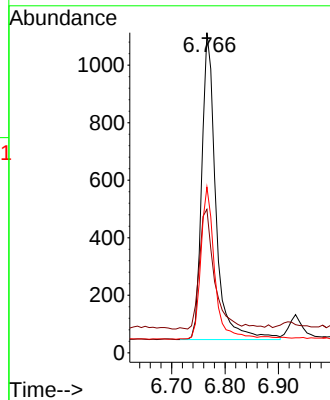
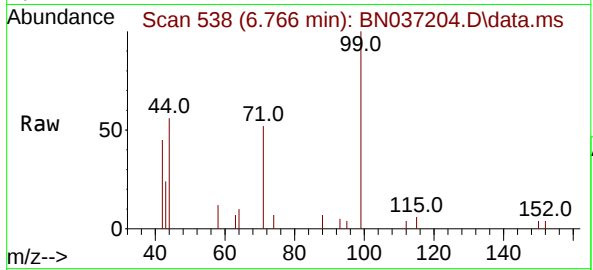




#5
Phenol-d6
Concen: 0.387 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

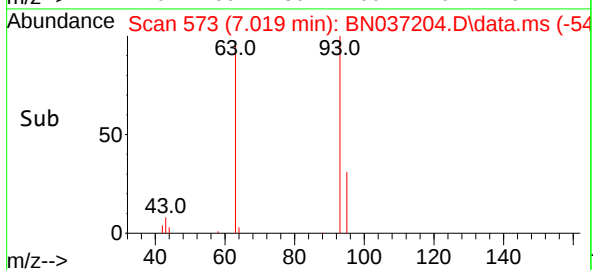
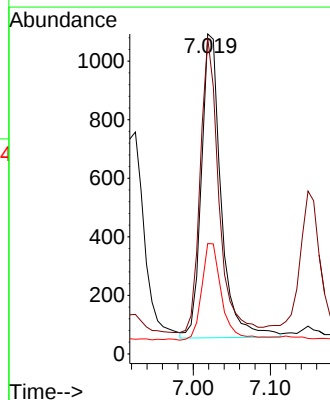
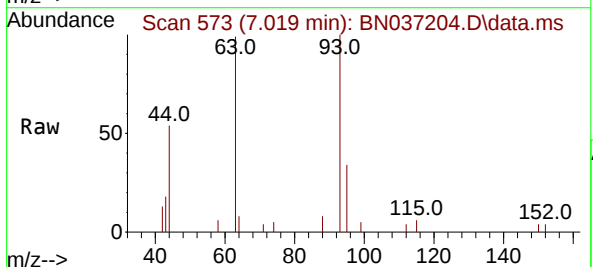
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

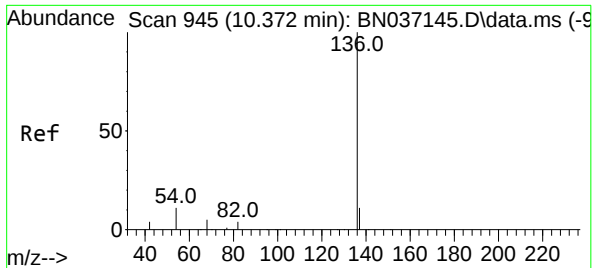
Tgt Ion	Ratio	Lower	Upper
99	100		
42	41.3	31.3	46.9
71	48.6	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.382 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion	Ratio	Lower	Upper
93	100		
63	90.4	68.6	103.0
95	32.3	24.3	36.5

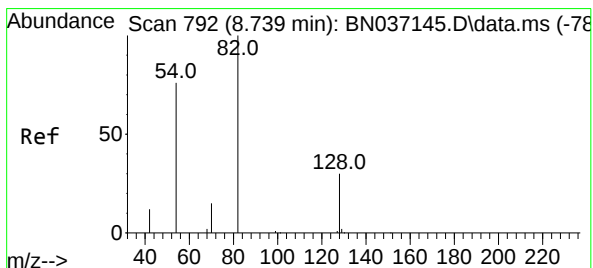
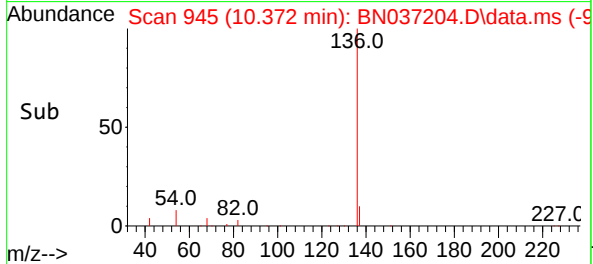
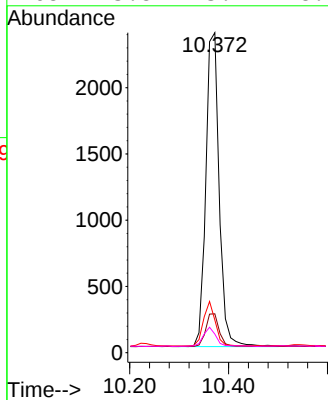
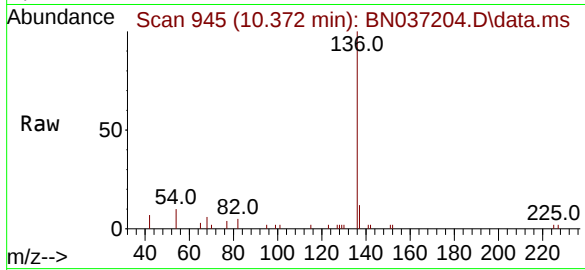




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

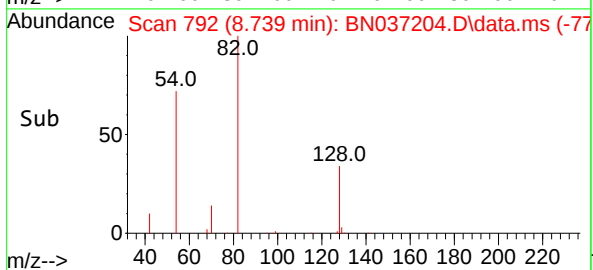
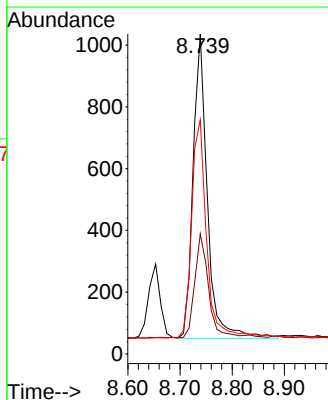
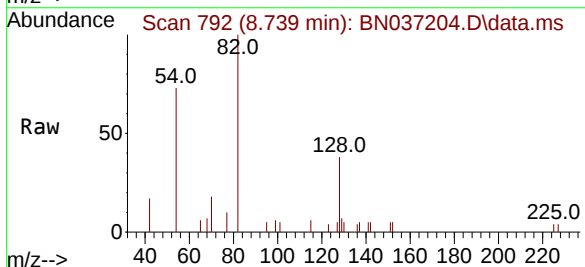
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

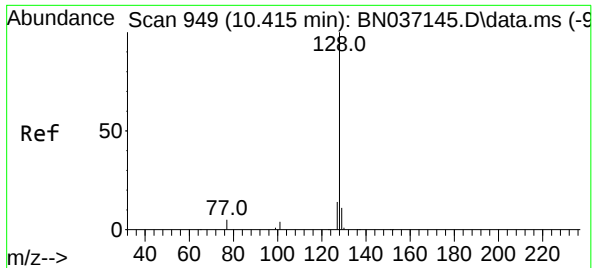
Tgt Ion:	136	Resp:	4447
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	10.2	9.7	14.5
68	5.8	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:	82	Resp:	1880
Ion	Ratio	Lower	Upper
82	100		
128	37.5	26.9	40.3
54	73.2	61.4	92.2

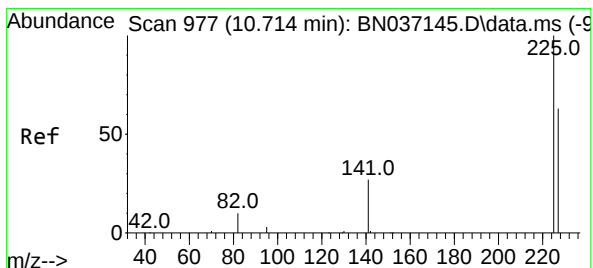
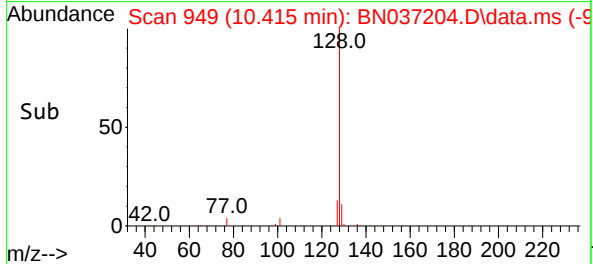
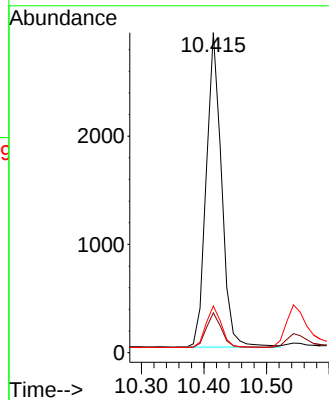
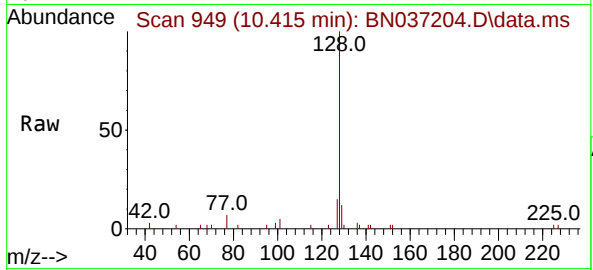




#9
Naphthalene
Concen: 0.383 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

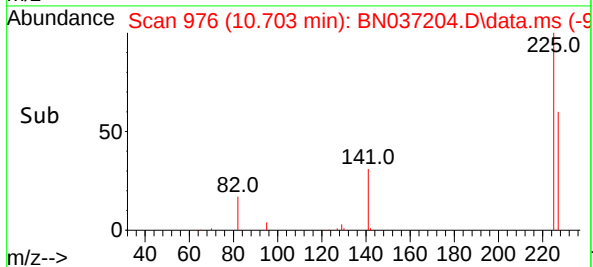
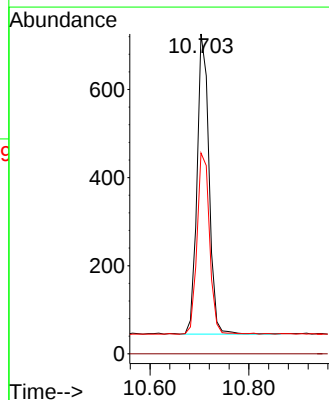
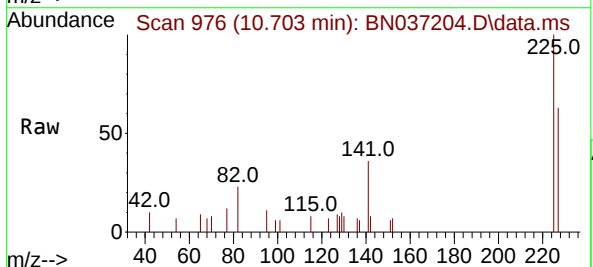
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

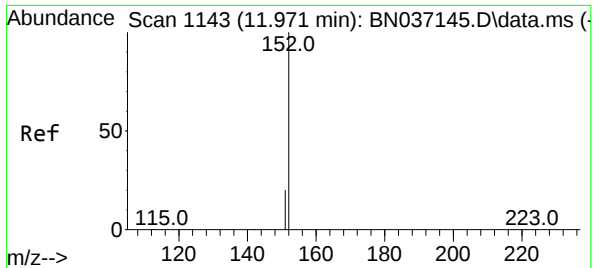
Tgt Ion:128 Resp: 4918
Ion Ratio Lower Upper
128 100
129 12.4 9.8 14.8
127 14.6 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:225 Resp: 1140
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.8 50.3 75.5

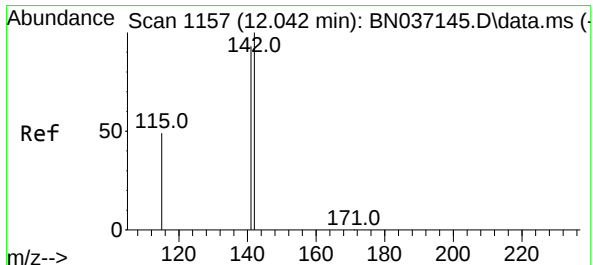
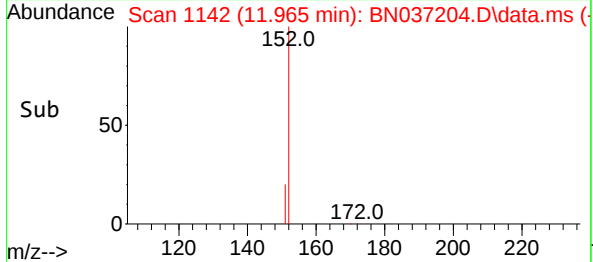
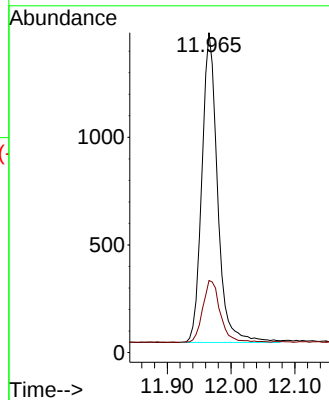
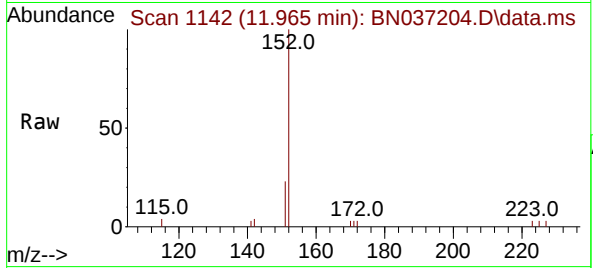




#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

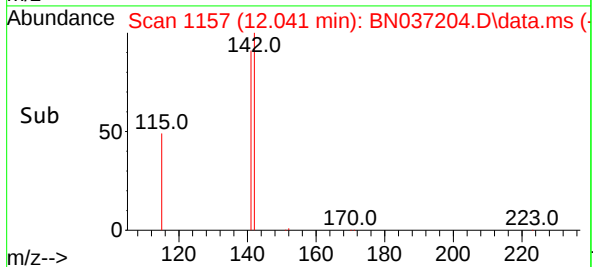
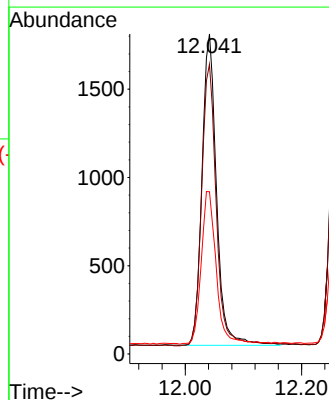
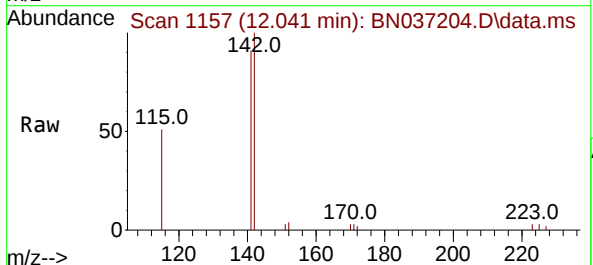
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

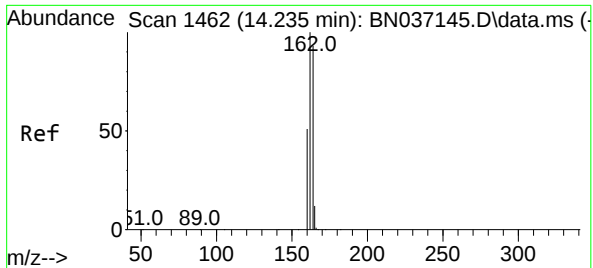
Tgt Ion:152 Resp: 2463
Ion Ratio Lower Upper
152 100
151 22.1 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.373 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:142 Resp: 3069
Ion Ratio Lower Upper
142 100
141 90.6 74.6 111.8
115 50.7 41.0 61.4

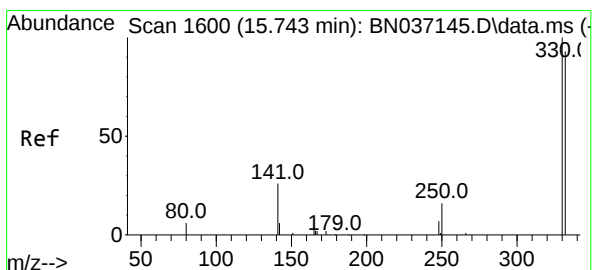
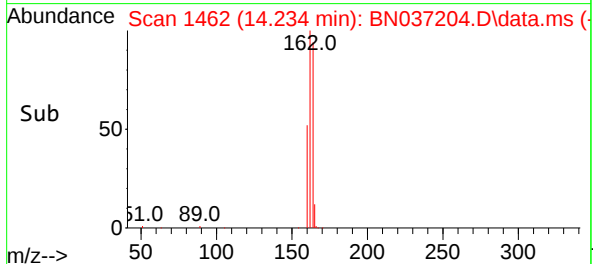
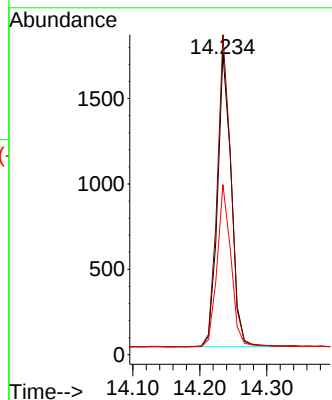
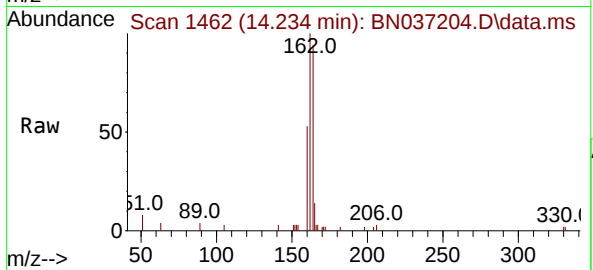




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

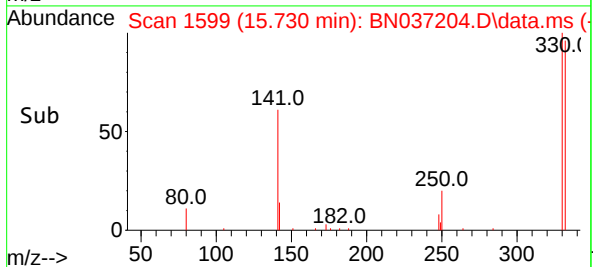
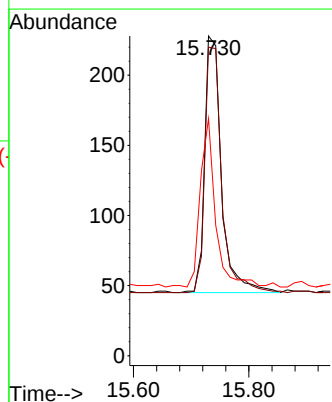
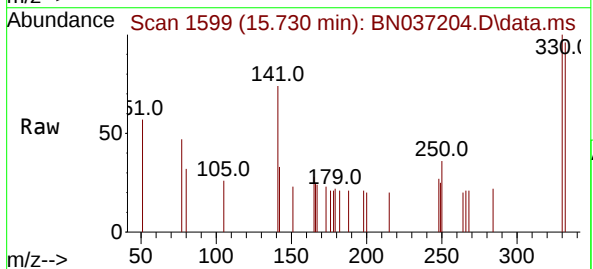
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

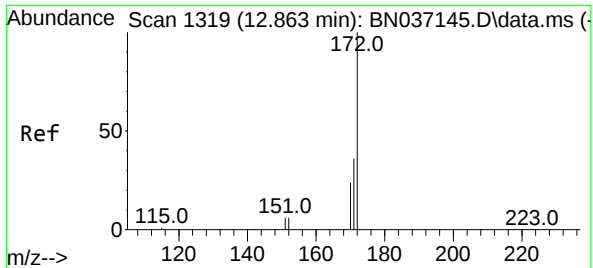
Tgt Ion:164 Resp: 2457
Ion Ratio Lower Upper
164 100
162 106.1 85.5 128.3
160 56.4 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:330 Resp: 370
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 57.3 46.4 69.6

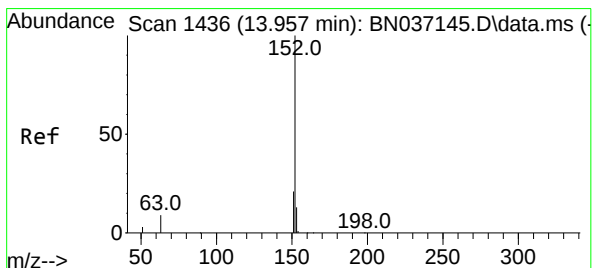
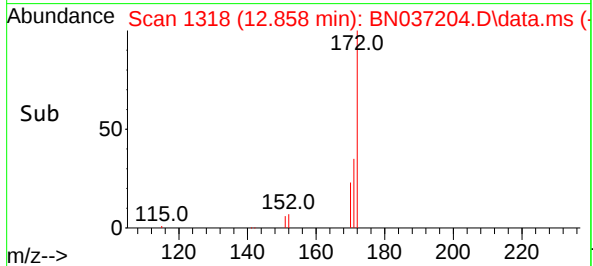
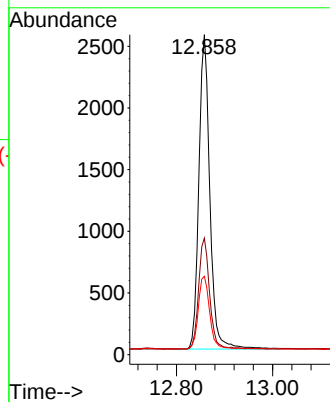
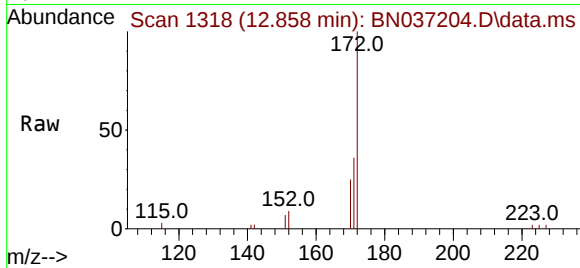




#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

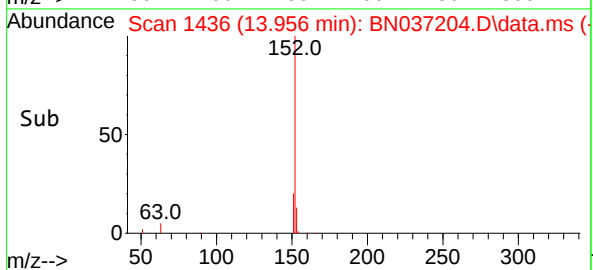
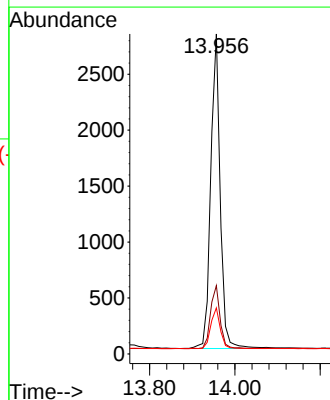
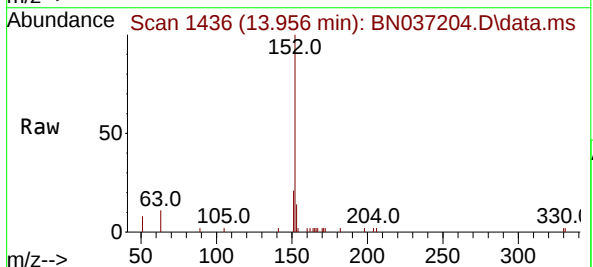
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

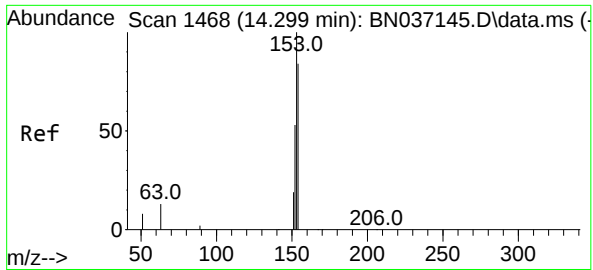
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.5	20.3	30.5



#16
Acenaphthylene
Concen: 0.358 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.3	10.6	15.8

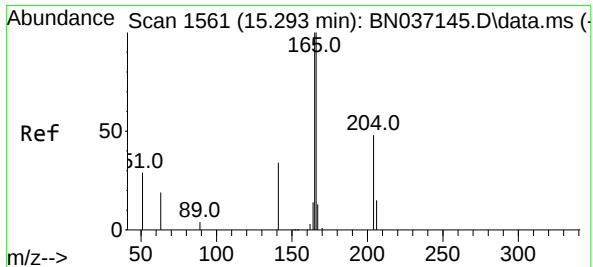
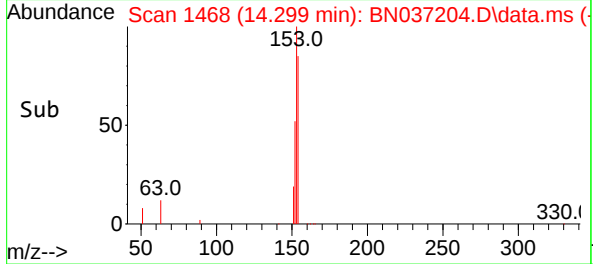
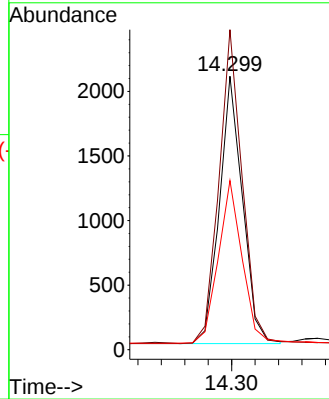
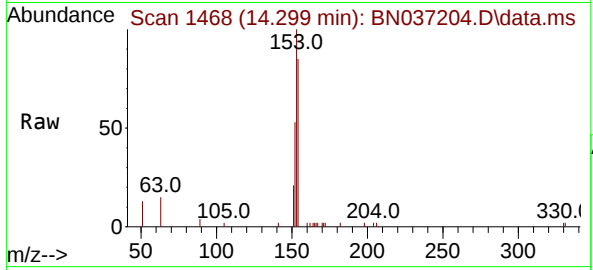




#17
Acenaphthene
Concen: 0.362 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

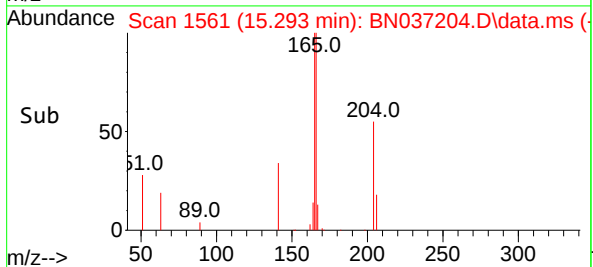
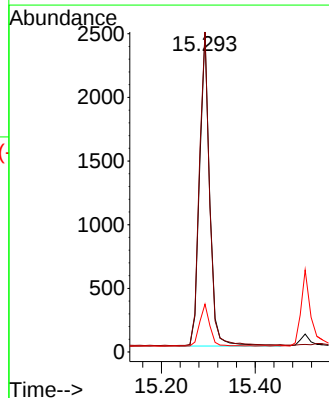
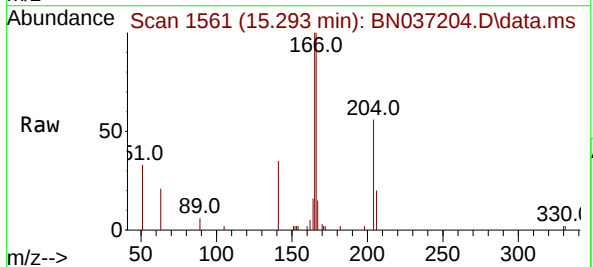
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

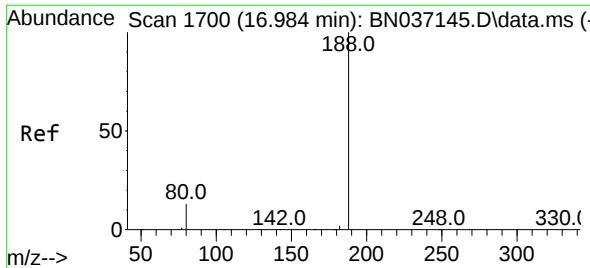
Tgt Ion:154 Resp: 2830
Ion Ratio Lower Upper
154 100
153 119.2 93.8 140.8
152 63.6 50.5 75.7



#18
Fluorene
Concen: 0.358 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:166 Resp: 3684
Ion Ratio Lower Upper
166 100
165 100.3 81.1 121.7
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

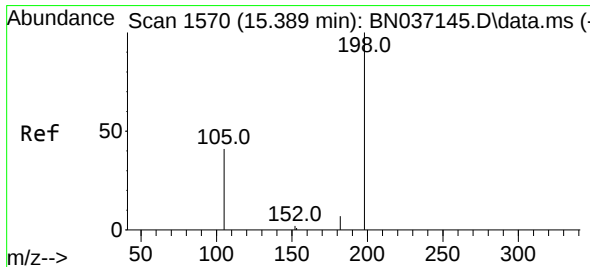
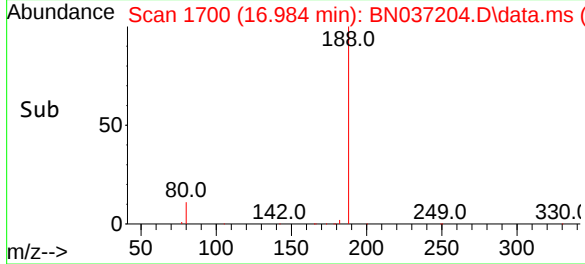
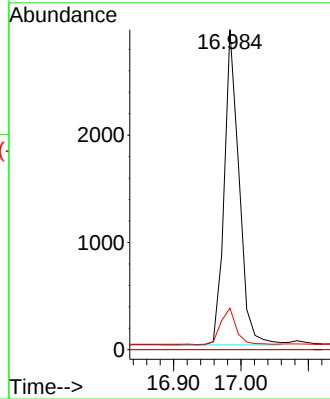
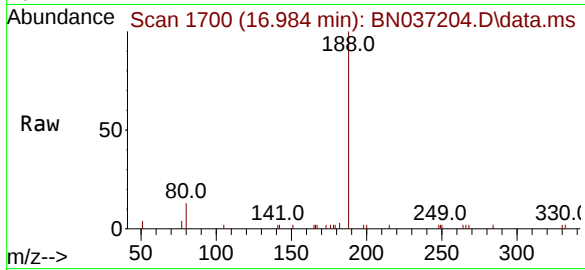
Tgt Ion:188 Resp: 4471

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.0 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.549 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

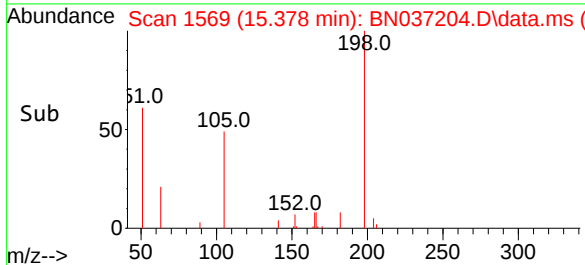
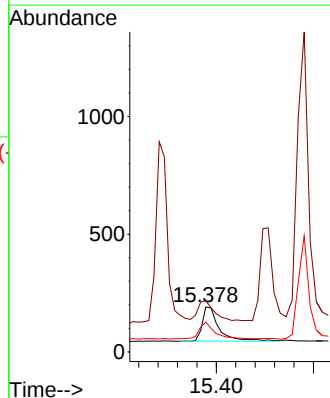
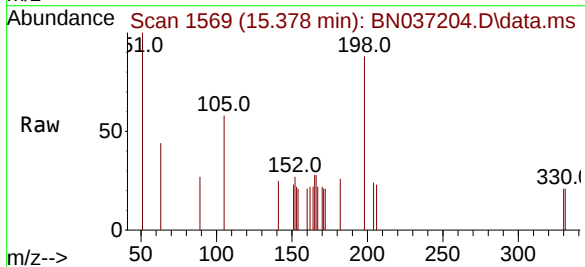
Tgt Ion:198 Resp: 360

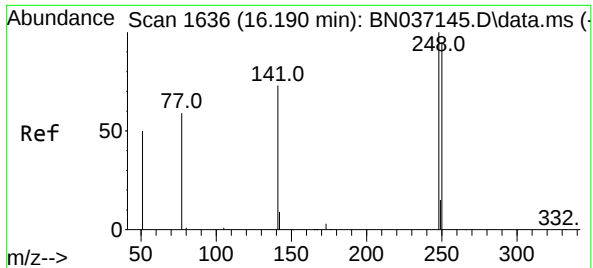
Ion Ratio Lower Upper

198 100

51 114.1 125.2 187.8#

105 66.5 57.1 85.7

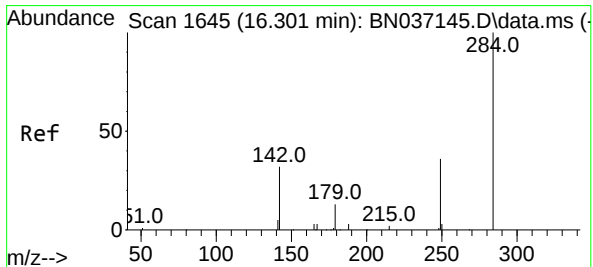
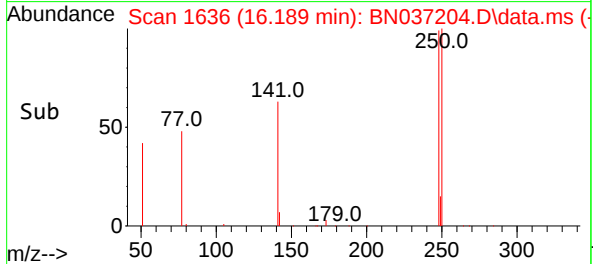
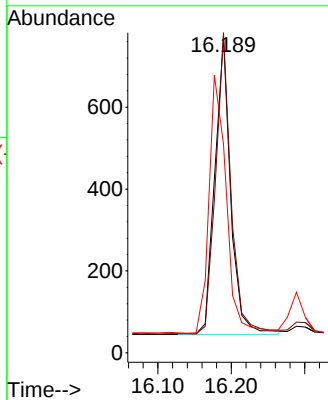
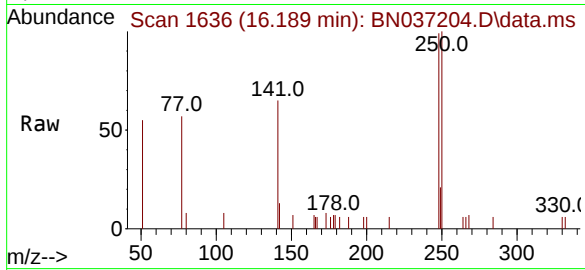




#21
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

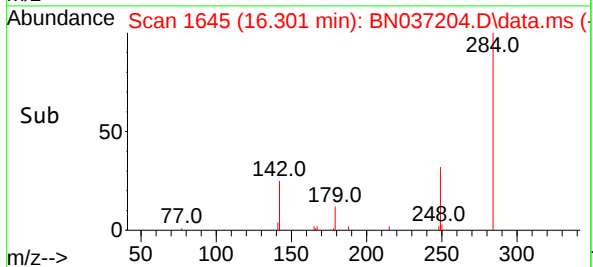
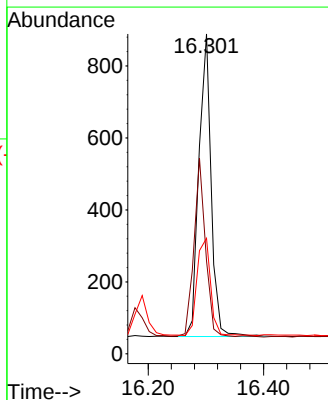
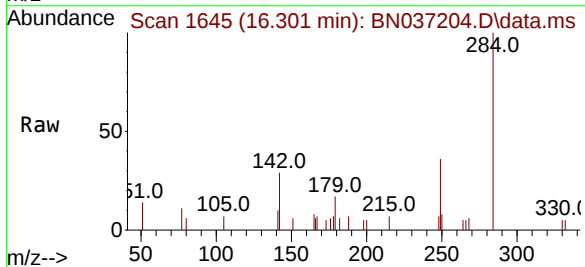
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

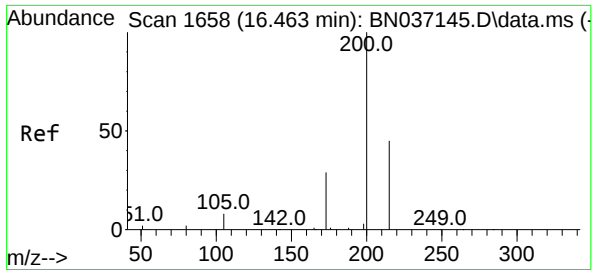
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.3	76.1	114.1
141	66.1	60.1	90.1



#22
Hexachlorobenzene
Concen: 0.394 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion	Ratio	Lower	Upper
284	100		
142	55.7	44.0	66.0
249	36.2	29.7	44.5

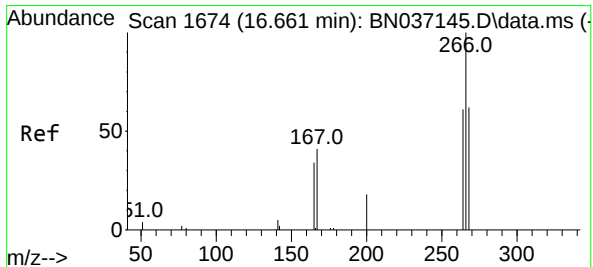
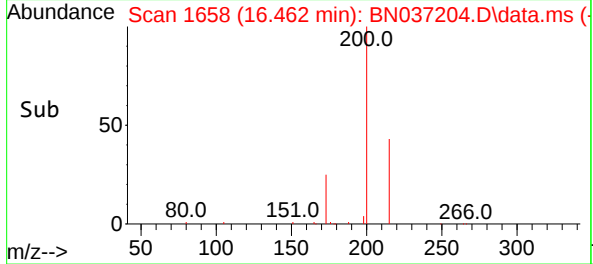
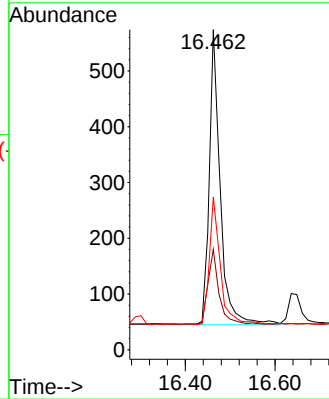
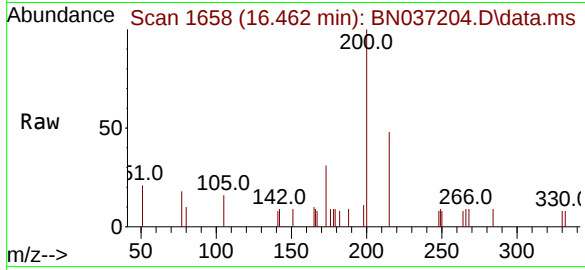




#23
Atrazine
Concen: 0.369 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

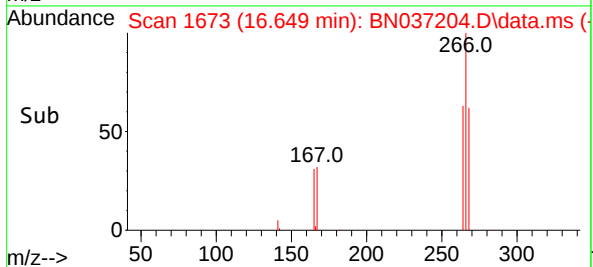
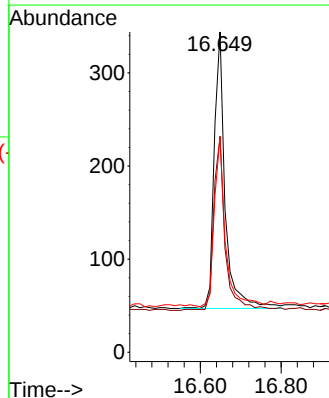
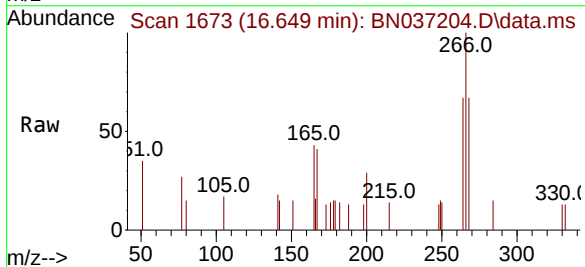
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

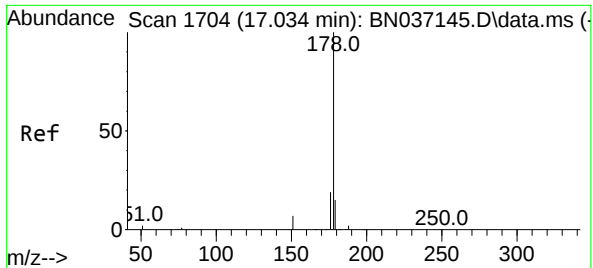
Tgt Ion:200 Resp: 893
Ion Ratio Lower Upper
200 100
173 31.4 28.1 42.1
215 47.7 39.3 58.9



#24
Pentachlorophenol
Concen: 0.512 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:266 Resp: 562
Ion Ratio Lower Upper
266 100
264 62.6 49.3 73.9
268 61.7 49.0 73.4

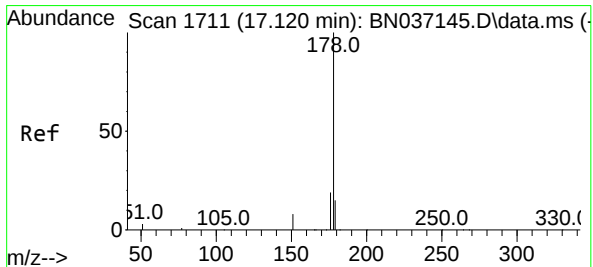
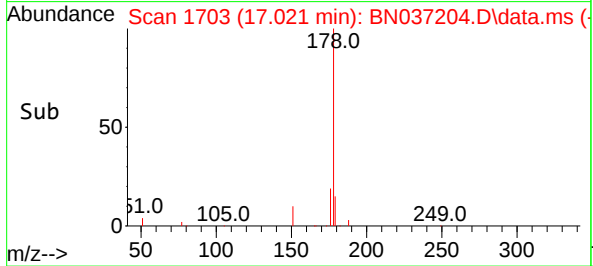
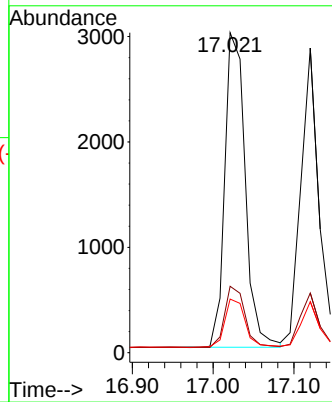
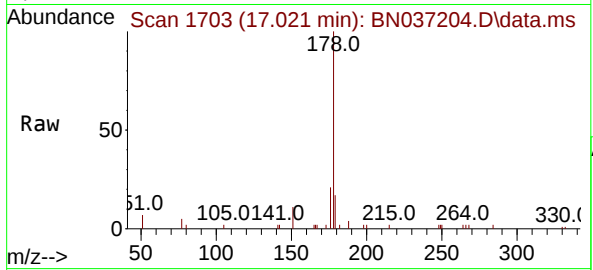




#25
Phenanthrene
Concen: 0.363 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

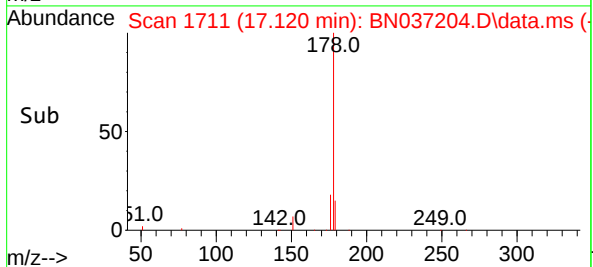
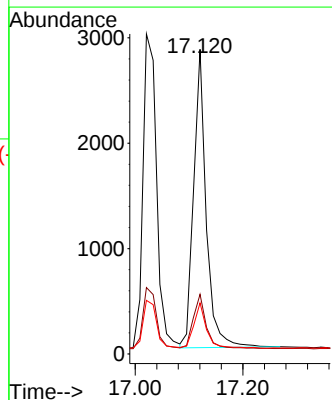
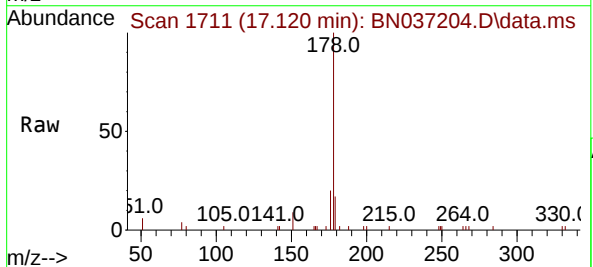
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

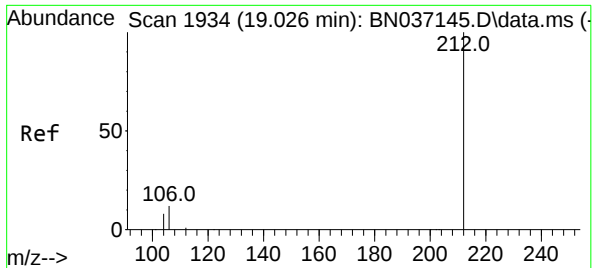
Tgt Ion:178 Resp: 5255
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.5 12.3 18.5



#26
Anthracene
Concen: 0.348 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:178 Resp: 4594
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.5 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

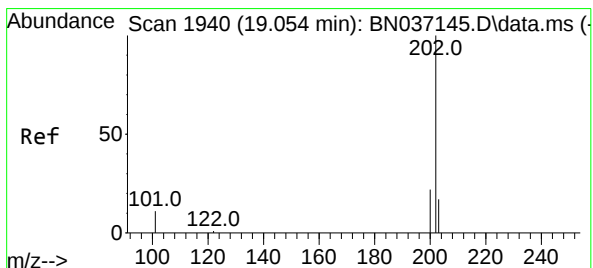
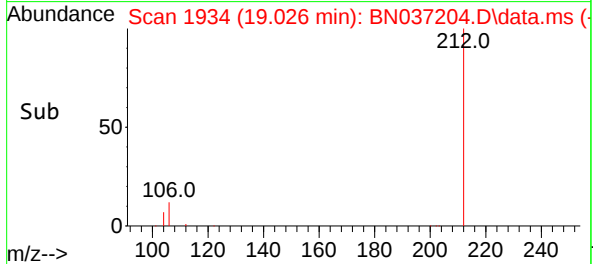
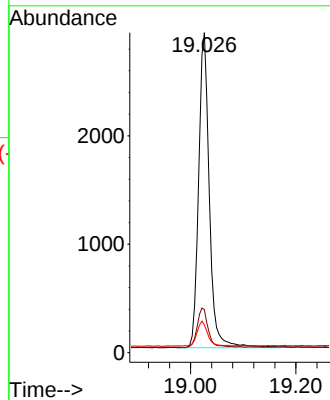
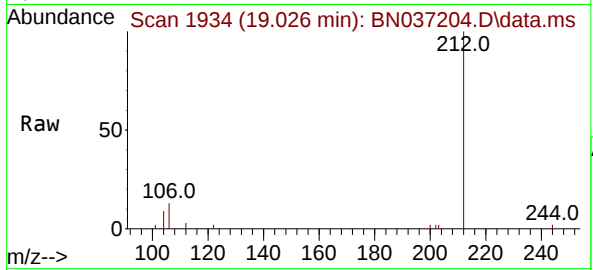
Tgt Ion:212 Resp: 4111

Ion Ratio Lower Upper

212 100

106 12.7 10.6 15.8

104 7.8 6.6 9.8



#28

Fluoranthene

Concen: 0.334 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

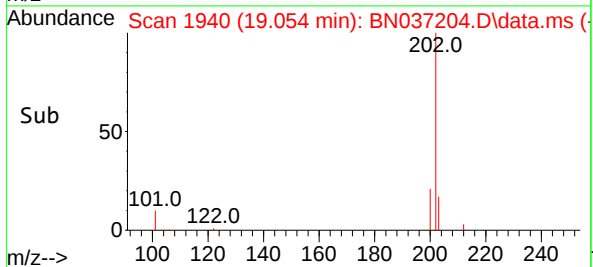
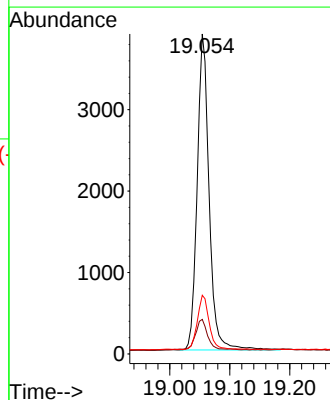
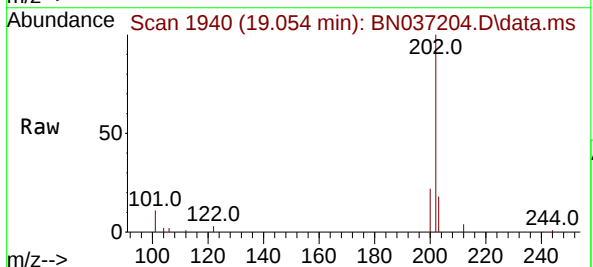
Tgt Ion:202 Resp: 5351

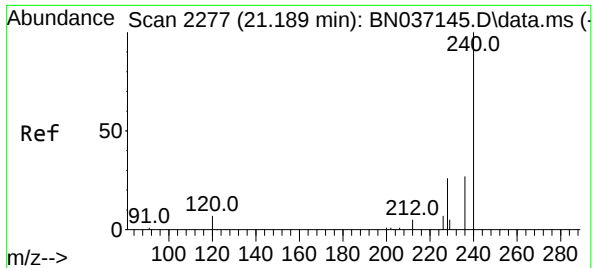
Ion Ratio Lower Upper

202 100

101 10.1 8.7 13.1

203 17.3 13.5 20.3

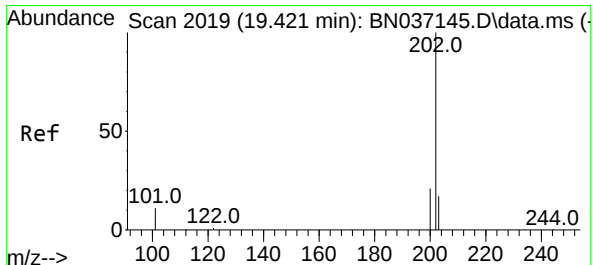
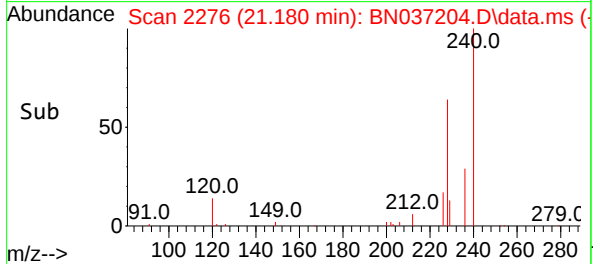
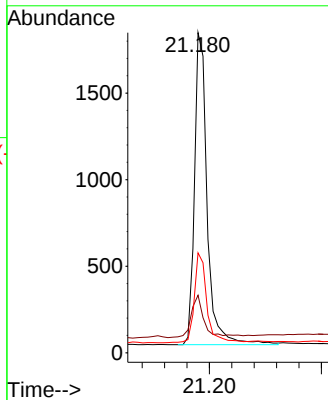
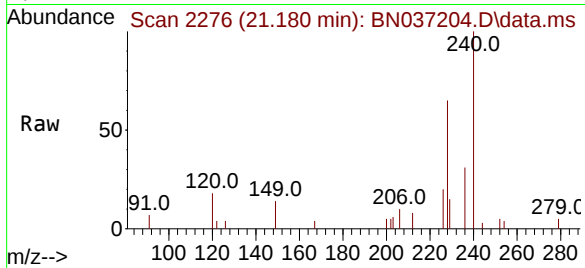




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

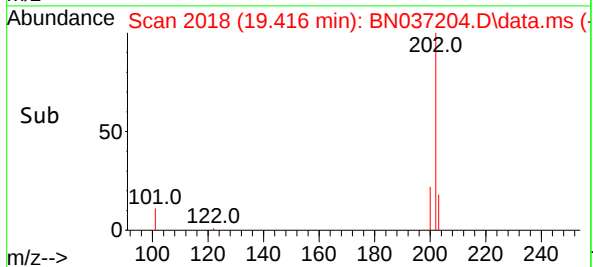
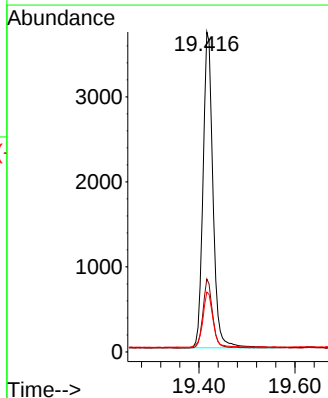
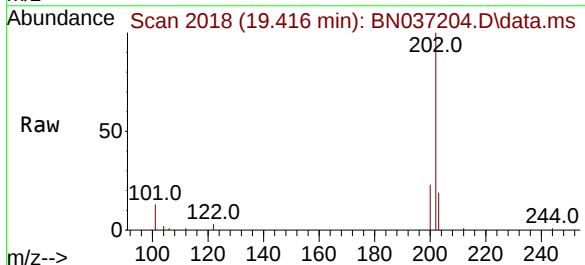
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

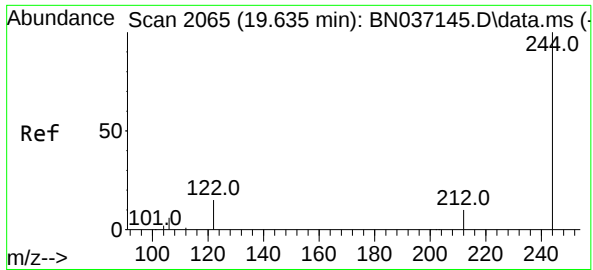
Tgt Ion:240 Resp: 2829
Ion Ratio Lower Upper
240 100
120 18.0 9.0 13.4#
236 31.2 23.0 34.4



#30
Pyrene
Concen: 0.385 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:202 Resp: 5310
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 17.7 14.2 21.4

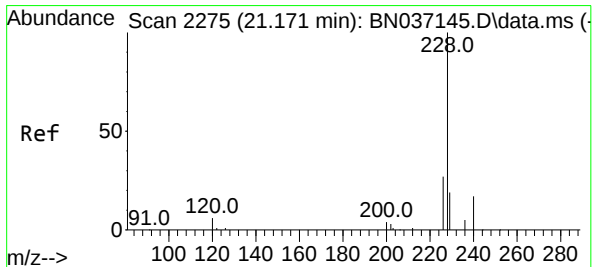
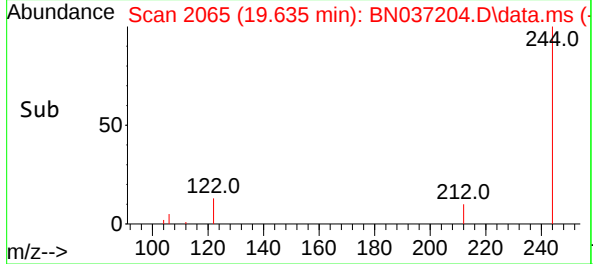
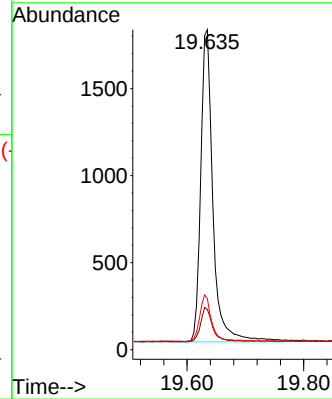
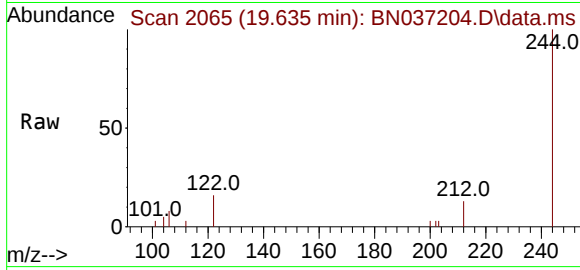




#31
Terphenyl-d14
Concen: 0.390 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

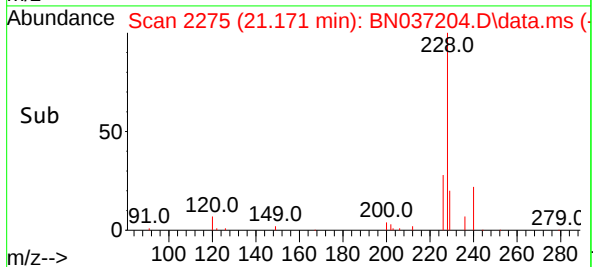
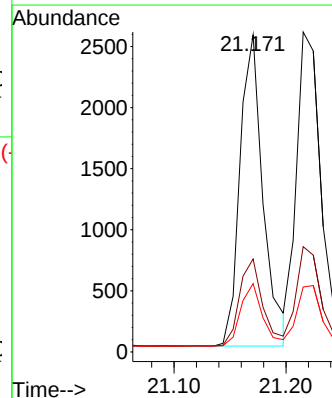
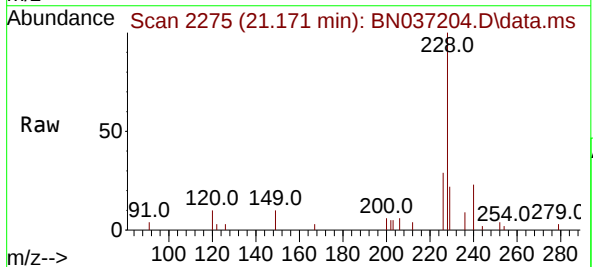
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

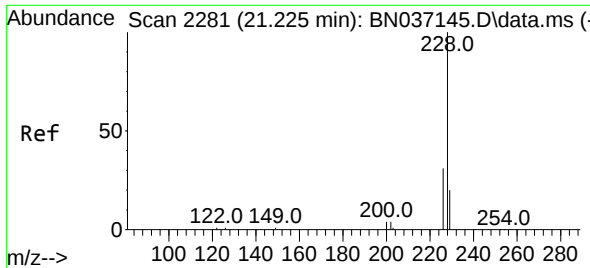
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.6	10.0	15.0
122	16.0	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.5	16.2	24.2

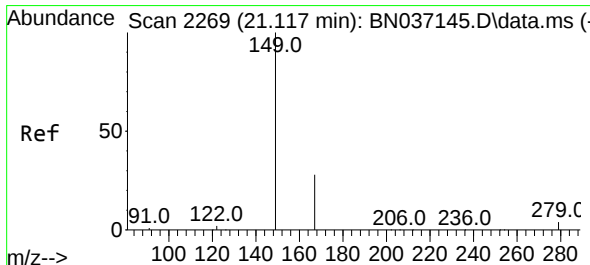
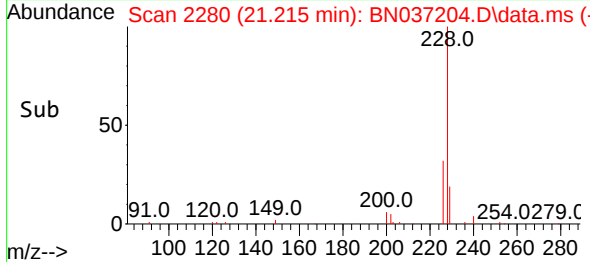
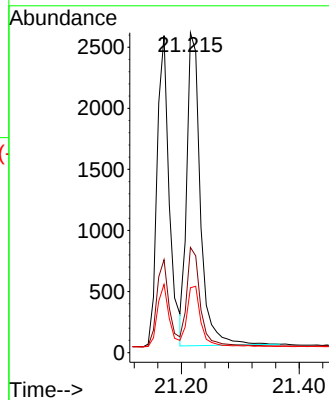
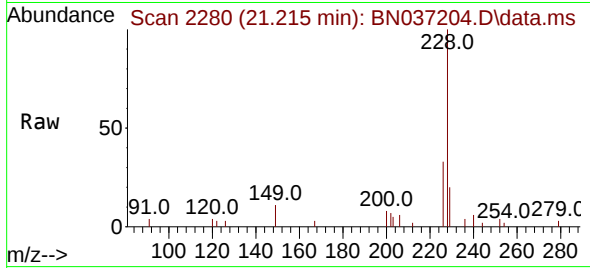




#33
Chrysene
Concen: 0.361 ng
RT: 21.215 min Scan# 2115
Delta R.T. -0.009 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

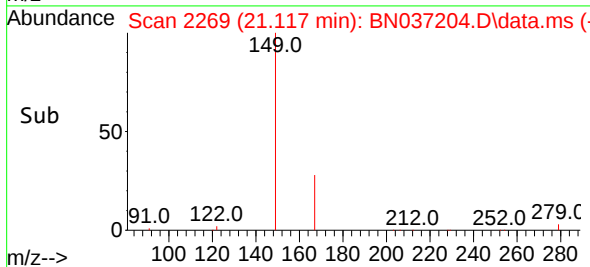
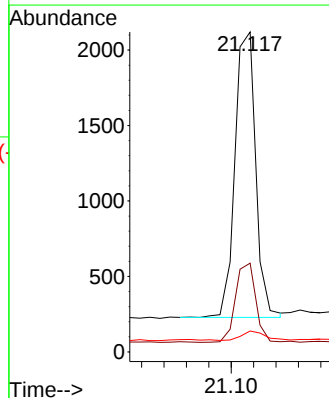
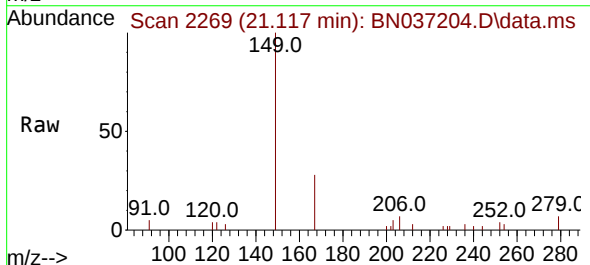
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

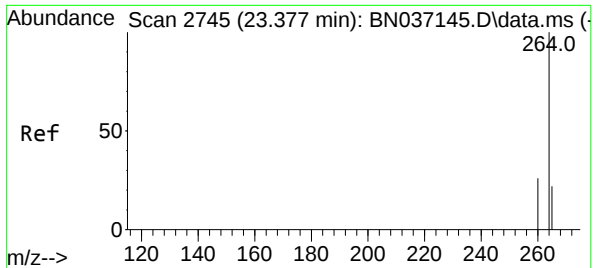
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.2	37.8
229	20.3	16.8	25.2



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.376 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.4
279	3.7	2.9	4.3

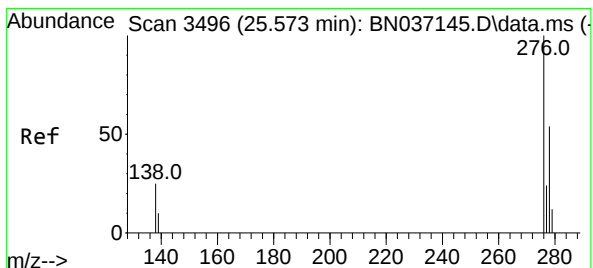
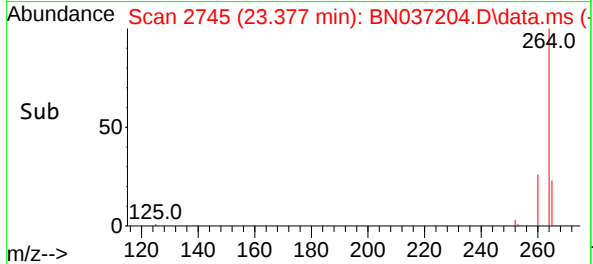
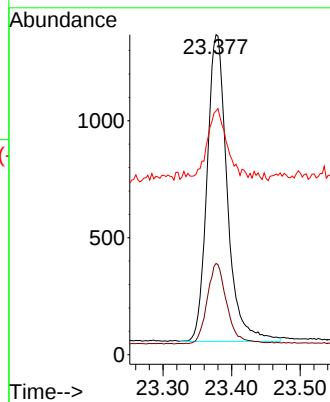
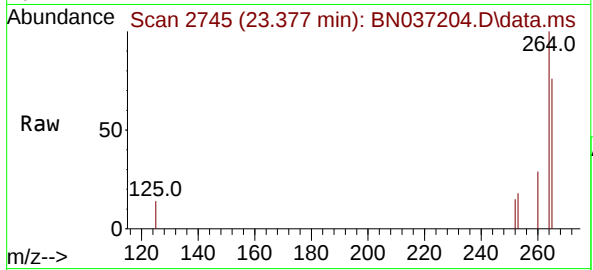




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

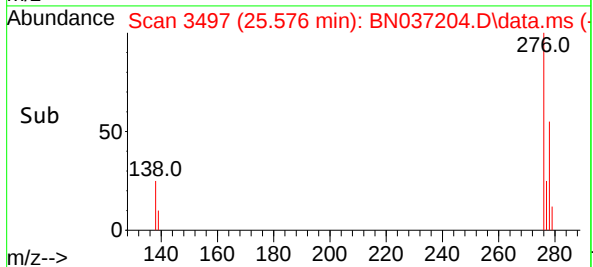
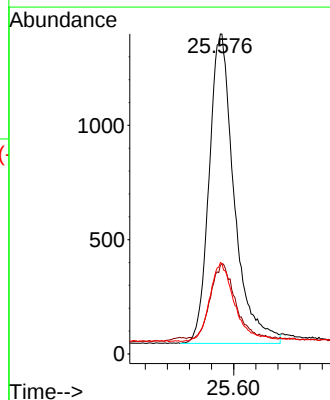
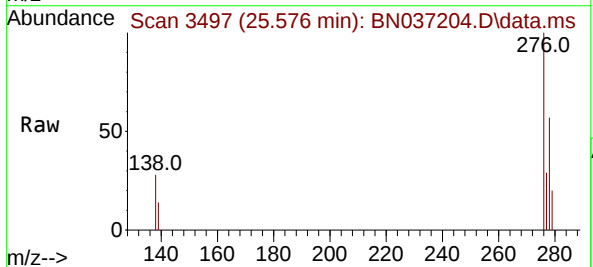
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

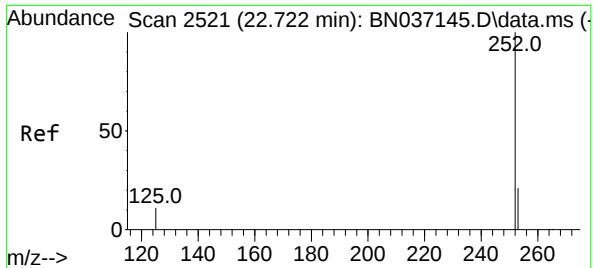
Tgt Ion:	264	Resp:	2684
Ion	Ratio	Lower	Upper
264	100		
260	28.5	22.1	33.1
265	76.2	55.8	83.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.399 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037204.D
Acq: 09 Jun 2025 23:11

Tgt Ion:	276	Resp:	4264
Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.0	31.6
277	24.8	19.4	29.2





#37

Benzo(b)fluoranthene

Concen: 0.343 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

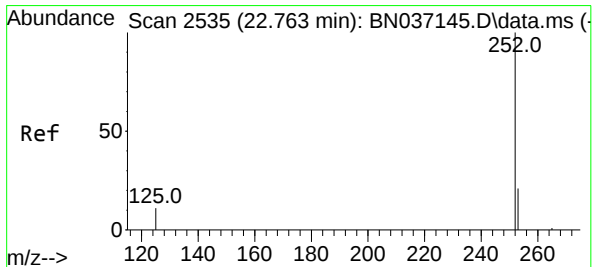
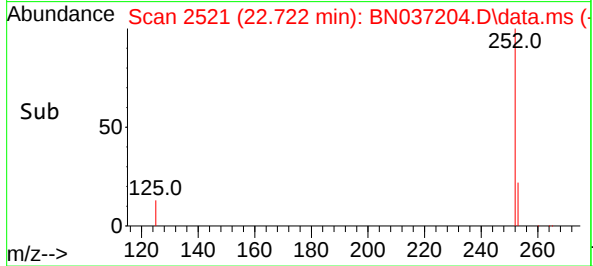
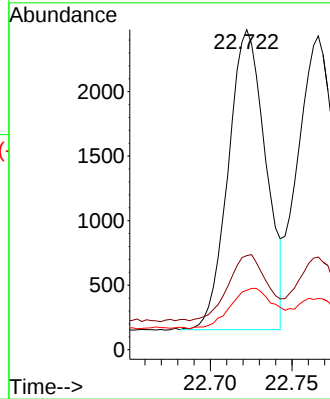
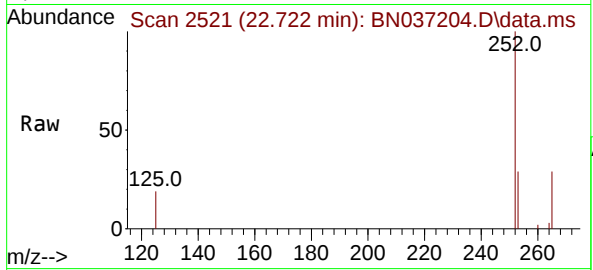
Tgt Ion:252 Resp: 3713

Ion Ratio Lower Upper

252 100

253 29.4 22.3 33.5

125 18.6 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.361 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

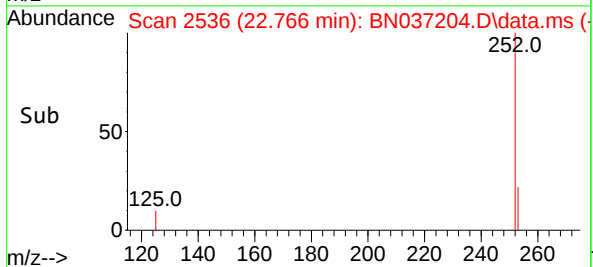
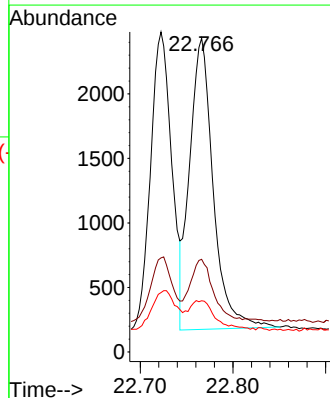
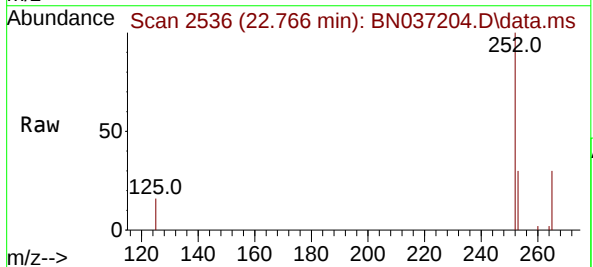
Tgt Ion:252 Resp: 3991

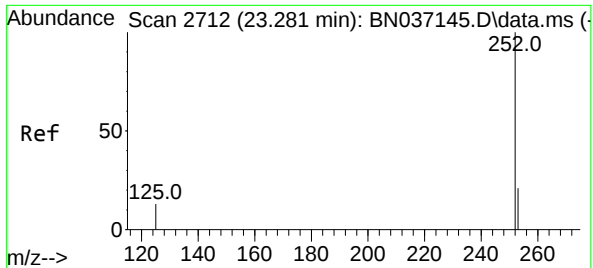
Ion Ratio Lower Upper

252 100

253 29.5 22.2 33.4

125 16.3 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

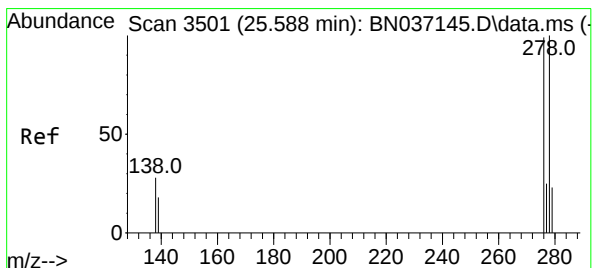
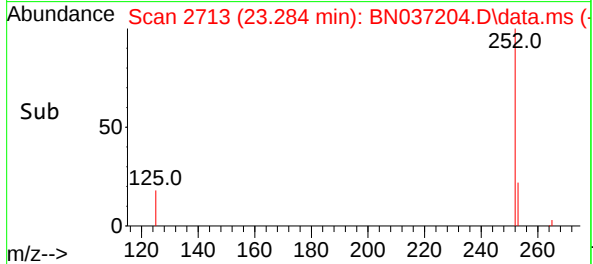
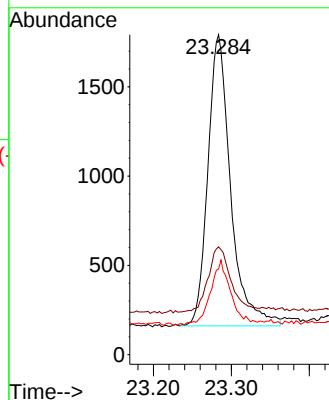
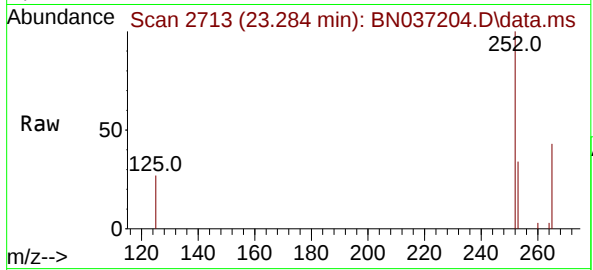
Tgt Ion:252 Resp: 3310

Ion Ratio Lower Upper

252 100

253 33.7 25.0 37.4

125 26.8 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.395 ng

RT: 25.587 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037204.D

Acq: 09 Jun 2025 23:11

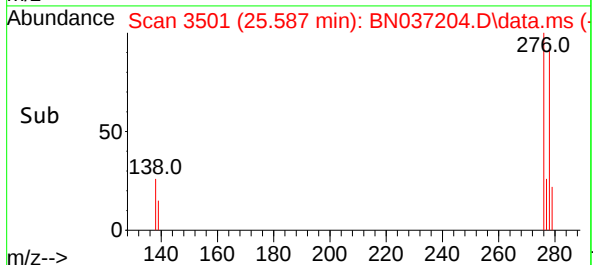
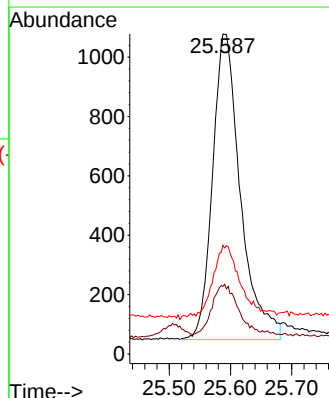
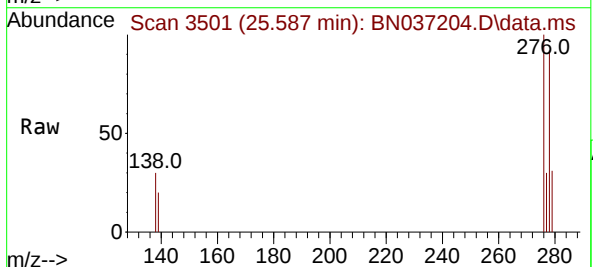
Tgt Ion:278 Resp: 3252

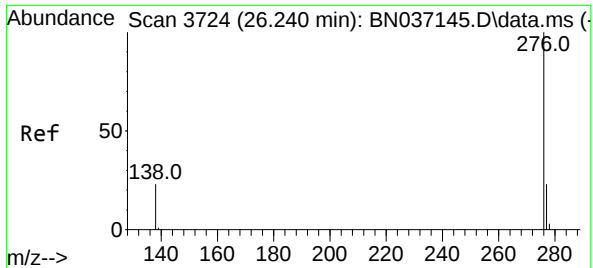
Ion Ratio Lower Upper

278 100

139 21.2 17.6 26.4

279 34.0 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.398 ng

RT: 26.242 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037204.D

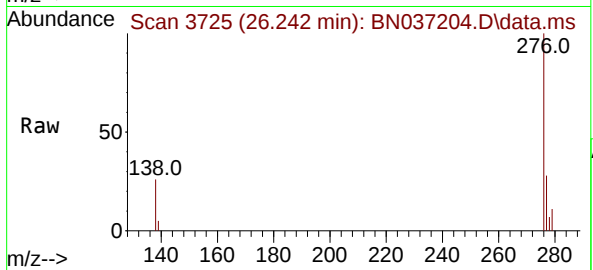
Acq: 09 Jun 2025 23:11

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



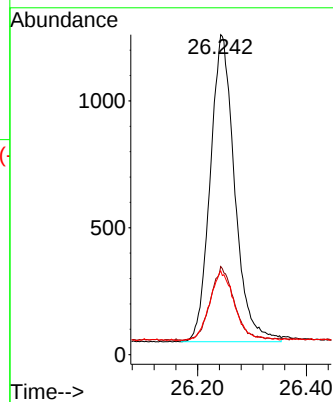
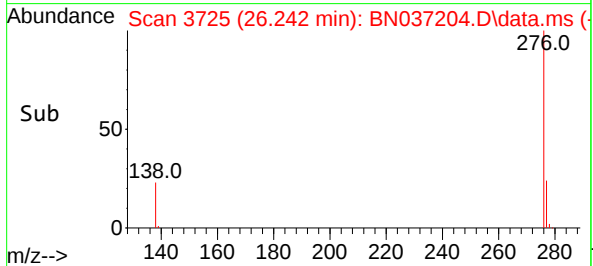
Tgt Ion:276 Resp: 3769

Ion Ratio Lower Upper

276 100

277 27.5 20.9 31.3

138 26.2 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037204.D
 Acq On : 09 Jun 2025 23:11
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jun 10 04:04:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 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	80	0.00
2	1,4-Dioxane	0.533	0.495	7.1	78	0.00
3	n-Nitrosodimethylamine	1.071	1.121	-4.7	85	0.00
4 S	2-Fluorophenol	0.989	0.935	5.5	80	0.00
5 S	Phenol-d6	1.199	1.161	3.2	83	0.00
6	bis(2-Chloroethyl)ether	1.144	1.094	4.4	78	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	85	0.00
8 S	Nitrobenzene-d5	0.422	0.423	-0.2	86	0.00
9	Naphthalene	1.154	1.106	4.2	84	0.00
10	Hexachlorobutadiene	0.251	0.256	-2.0	84	-0.01
11 SURR	2-Methylnaphthalene-d10	0.557	0.554	0.5	84	0.00
12	2-Methylnaphthalene	0.740	0.690	6.8	85	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
14 S	2,4,6-Tribromophenol	0.161	0.151	6.2	88	-0.01
15 S	2-Fluorobiphenyl	1.705	1.685	1.2	88	0.00
16	Acenaphthylene	1.961	1.757	10.4	85	0.00
17	Acenaphthene	1.273	1.152	9.5	85	0.00
18	Fluorene	1.674	1.499	10.5	84	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00
20	4,6-Dinitro-2-methylphenol	0.077	0.081	-5.2	132	-0.01
21	4-Bromophenyl-phenylether	0.262	0.244	6.9	82	0.00
22	Hexachlorobenzene	0.283	0.278	1.8	85	0.00
23	Atrazine	0.216	0.200	7.4	88	0.00
24	Pentachlorophenol	0.124	0.126	-1.6	112	-0.01
25	Phenanthrene	1.296	1.175	9.3	81	-0.01
26	Anthracene	1.183	1.028	13.1	81	0.00
27 SURR	Fluoranthene-d10	1.016	0.919	9.5	77	0.00
28	Fluoranthene	1.432	1.197	16.4	77	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	75	0.00
30	Pyrene	1.953	1.877	3.9	77	0.00
31 S	Terphenyl-d14	0.942	0.919	2.4	77	0.00
32	Benzo(a)anthracene	1.448	1.292	10.8	75	0.00
33	Chrysene	1.612	1.453	9.9	74	0.00
34	Bis(2-ethylhexyl)phthalate	0.914	0.859	6.0	83	0.00
35 I	Perylene-d12	1.000	1.000	0.0	79	0.00
36	Indeno(1,2,3-cd)pyrene	1.591	1.589	0.1	84	0.00
37	Benzo(b)fluoranthene	1.615	1.383	14.4	77	0.00
38	Benzo(k)fluoranthene	1.648	1.487	9.8	81	0.00
39 C	Benzo(a)pyrene	1.352	1.233	8.8	80	0.00
40	Dibenzo(a,h)anthracene	1.227	1.212	1.2	83	0.00
41	Benzo(g,h,i)perylene	1.410	1.404	0.4	82	0.00

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037204.D
 Acq On : 09 Jun 2025 23:11
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jun 10 04:04:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 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	0.400	0.400	0.0	80	0.00
2	1,4-Dioxane	0.400	0.372	7.0	78	0.00
3	n-Nitrosodimethylamine	0.400	0.419	-4.7	85	0.00
4 S	2-Fluorophenol	0.400	0.378	5.5	80	0.00
5 S	Phenol-d6	0.400	0.387	3.3	83	0.00
6	bis(2-Chloroethyl)ether	0.400	0.382	4.5	78	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	85	0.00
8 S	Nitrobenzene-d5	0.400	0.401	-0.3	86	0.00
9	Naphthalene	0.400	0.383	4.3	84	0.00
10	Hexachlorobutadiene	0.400	0.408	-2.0	84	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.398	0.5	84	0.00
12	2-Methylnaphthalene	0.400	0.373	6.8	85	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	85	0.00
14 S	2,4,6-Tribromophenol	0.400	0.374	6.5	88	-0.01
15 S	2-Fluorobiphenyl	0.400	0.395	1.3	88	0.00
16	Acenaphthylene	0.400	0.358	10.5	85	0.00
17	Acenaphthene	0.400	0.362	9.5	85	0.00
18	Fluorene	0.400	0.358	10.5	84	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	82	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.549	-37.3#	132	-0.01
21	4-Bromophenyl-phenylether	0.400	0.372	7.0	82	0.00
22	Hexachlorobenzene	0.400	0.394	1.5	85	0.00
23	Atrazine	0.400	0.369	7.8	88	0.00
24	Pentachlorophenol	0.400	0.512	-28.0#	112	-0.01
25	Phenanthrene	0.400	0.363	9.3	81	-0.01
26	Anthracene	0.400	0.348	13.0	81	0.00
27 SURR	Fluoranthene-d10	0.400	0.362	9.5	77	0.00
28	Fluoranthene	0.400	0.334	16.5	77	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	75	0.00
30	Pyrene	0.400	0.385	3.8	77	0.00
31 S	Terphenyl-d14	0.400	0.390	2.5	77	0.00
32	Benzo(a)anthracene	0.400	0.357	10.8	75	0.00
33	Chrysene	0.400	0.361	9.8	74	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.376	6.0	83	0.00
35 I	Perylene-d12	0.400	0.400	0.0	79	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.399	0.3	84	0.00
37	Benzo(b)fluoranthene	0.400	0.343	14.2	77	0.00
38	Benzo(k)fluoranthene	0.400	0.361	9.8	81	0.00
39 C	Benzo(a)pyrene	0.400	0.365	8.8	80	0.00
40	Dibenzo(a,h)anthracene	0.400	0.395	1.3	83	0.00
41	Benzo(g,h,i)perylene	0.400	0.398	0.5	82	0.00

(#) = Out of Range

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

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4



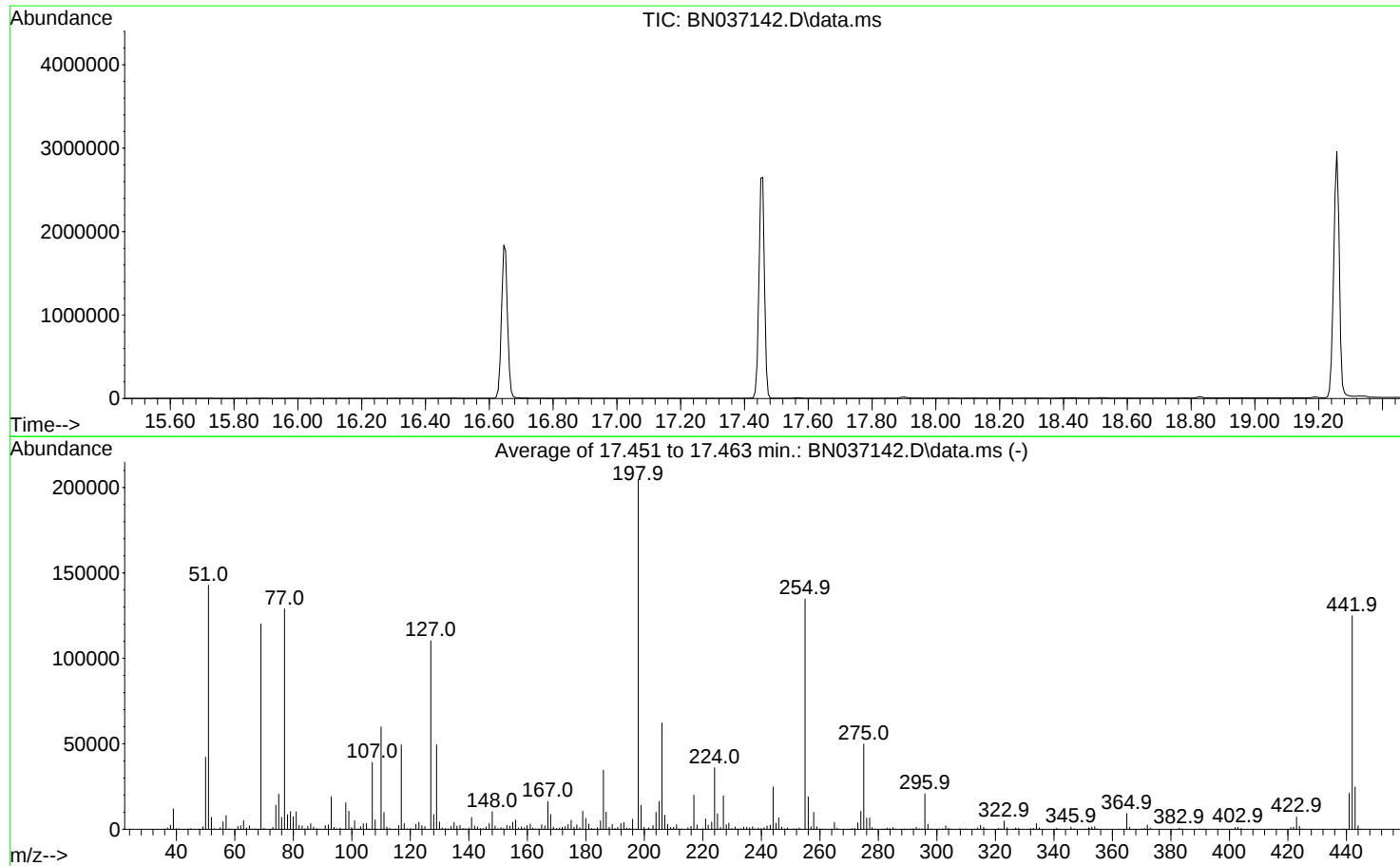
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037142.D
Acq On : 03 Jun 2025 10:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 04 01:52:03 2025



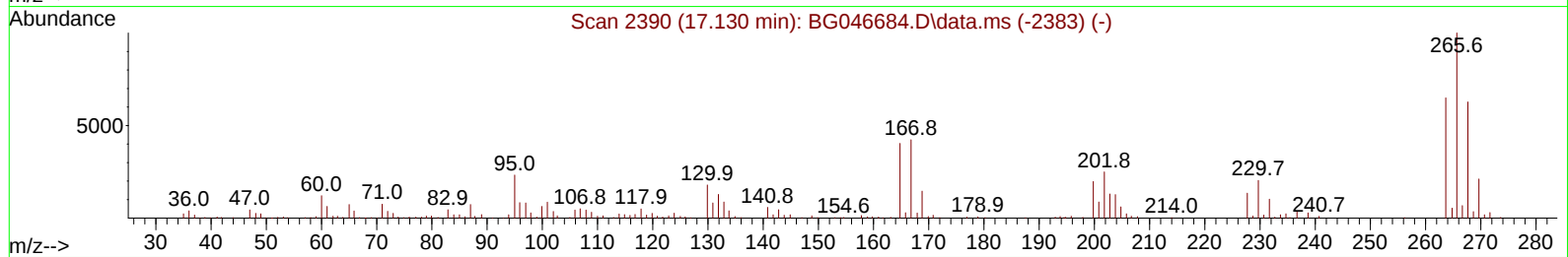
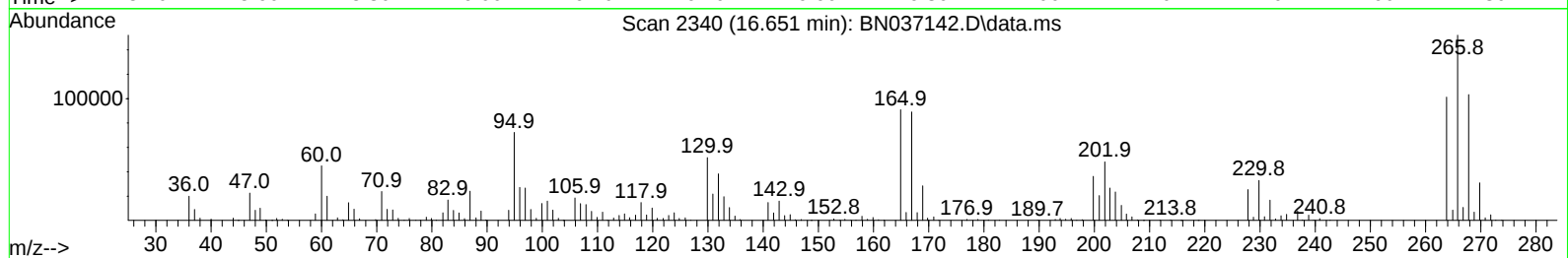
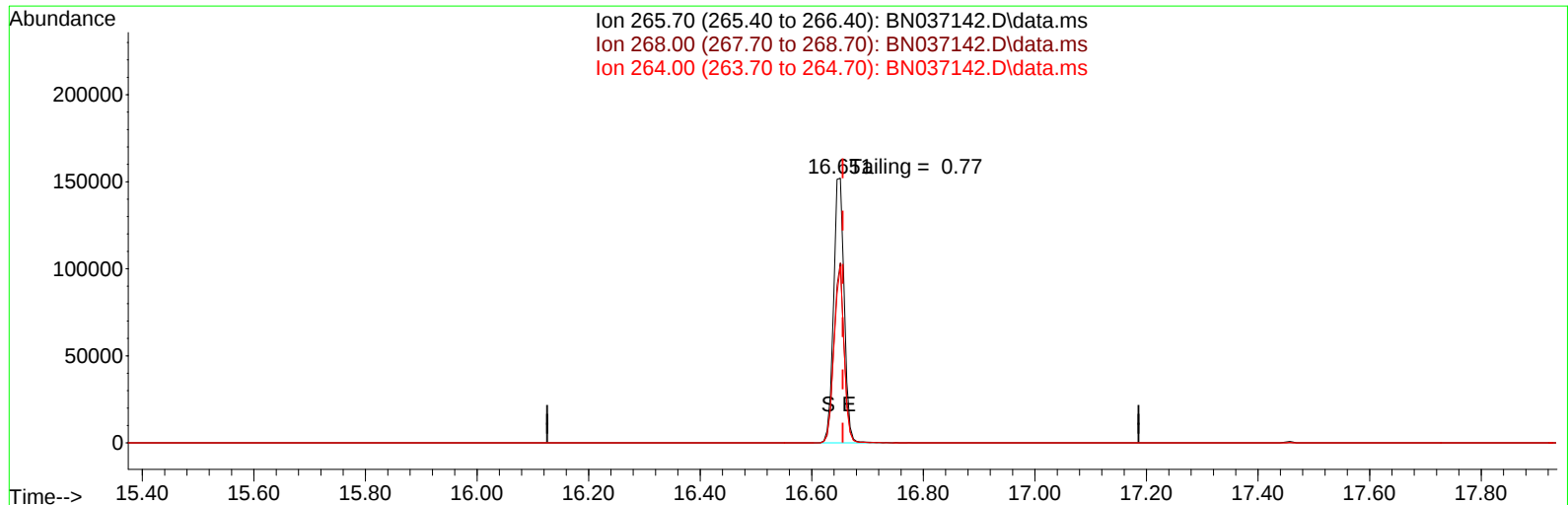
AutoFind: Scans 2476, 2477, 2478; Background Corrected with Scan 2469

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	69.8	142869	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.7	120176	PASS
70	69	0.00	2	0.5	575	PASS
127	198	10	80	53.9	110283	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	204619	PASS
199	198	5	9	6.8	13950	PASS
275	198	10	60	24.4	49829	PASS
365	198	1	100	4.5	9270	PASS
441	198	0.01	100	10.3	21027	PASS
442	442	50	100	100.0	124989	PASS
443	442	15	24	19.8	24771	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037142.D
Acq On : 03 Jun 2025 10:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 03 13:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 27 07:40:28 2025
Response via : Initial Calibration



TIC: BN037142.D\data.ms

(70) Pentachlorophenol (C)

16.651min (-0.005) 16176.78 ng

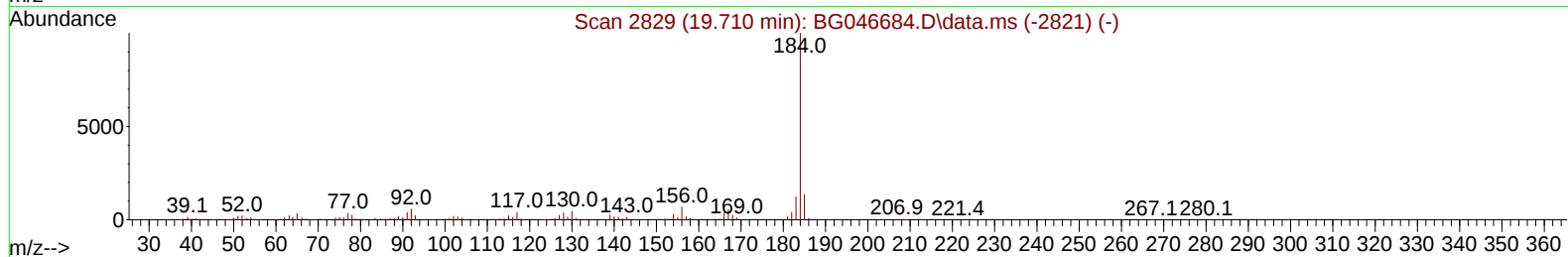
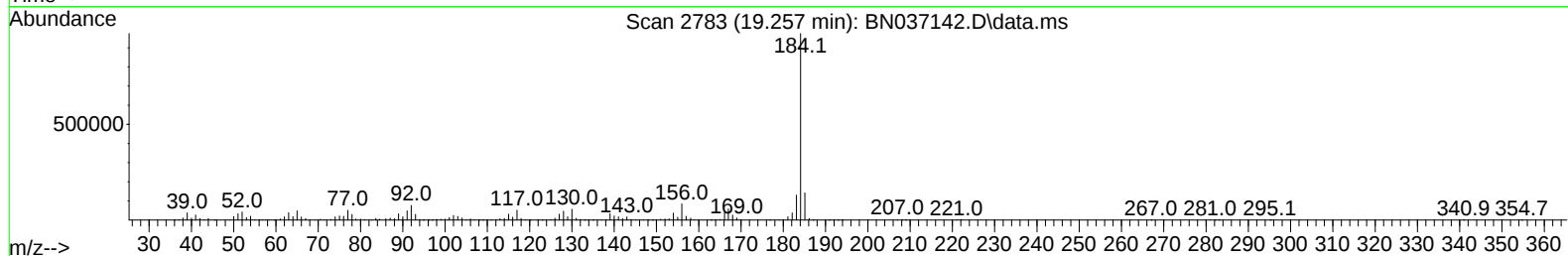
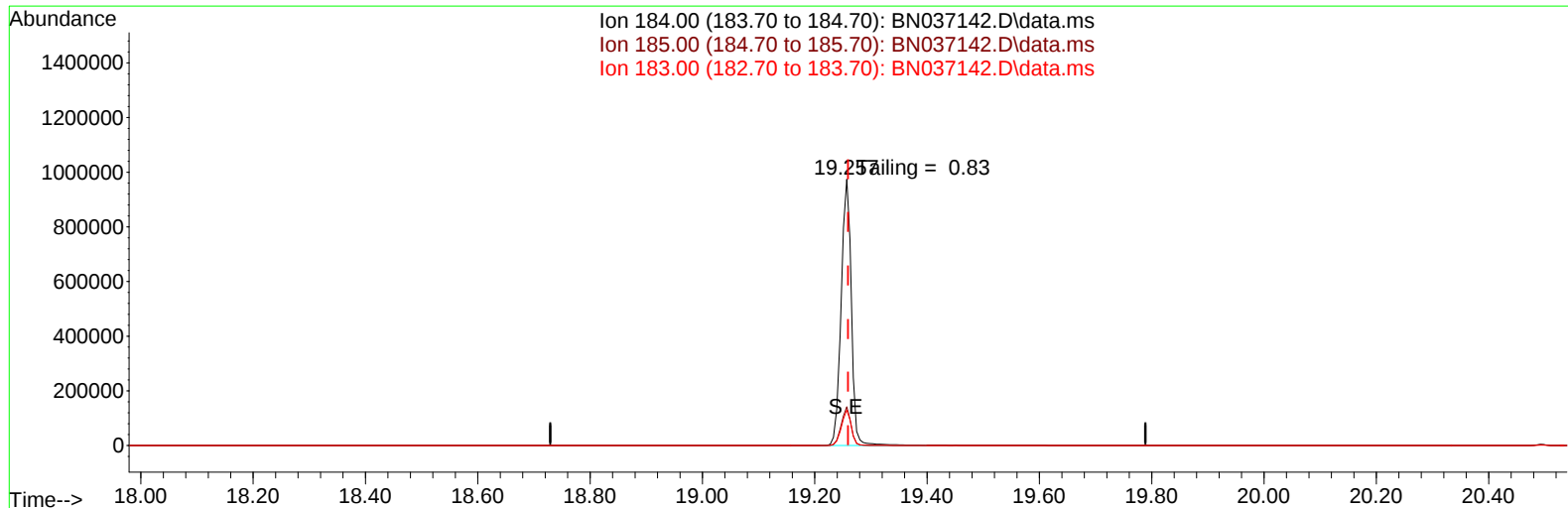
response 200710

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	67.97
264.00	61.60	66.57
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037142.D
Acq On : 03 Jun 2025 10:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 03 13:56:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 27 07:40:28 2025
Response via : Initial Calibration



TIC: BN037142.D\data.ms

(77) Benzidine

19.257min (-0.002) 0.00 ng

response 1234162

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.54
183.00	13.20	13.40
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/3/2025	BNA_N	<u>BN037142.D</u>
Compound Name	Response	Retention Time
DDT	724224	20.492
DDD	9498	20.104
DDE	658	19.545
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10156	734380	1.38

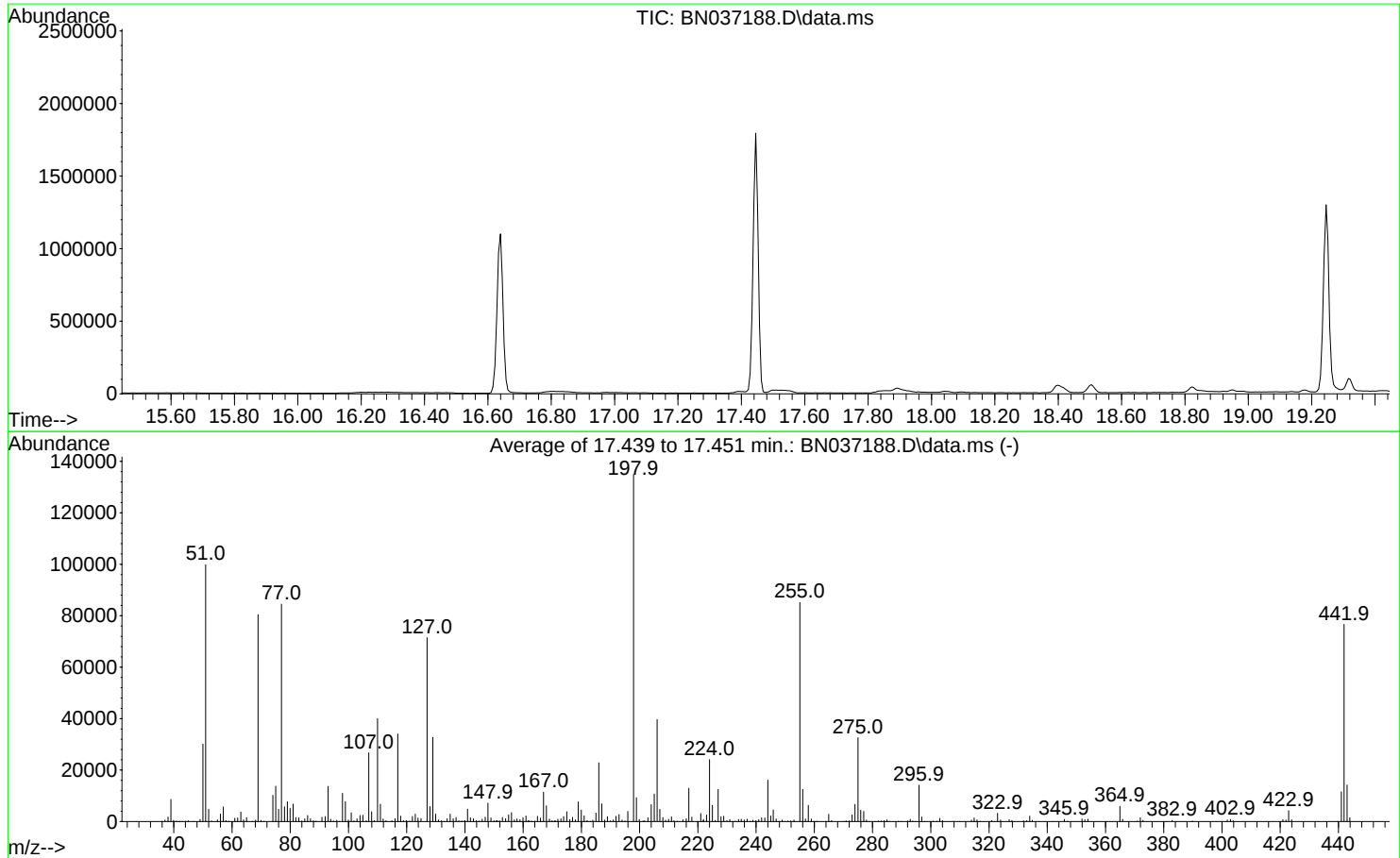
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037188.D
Acq On : 09 Jun 2025 10:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 04 01:52:03 2025



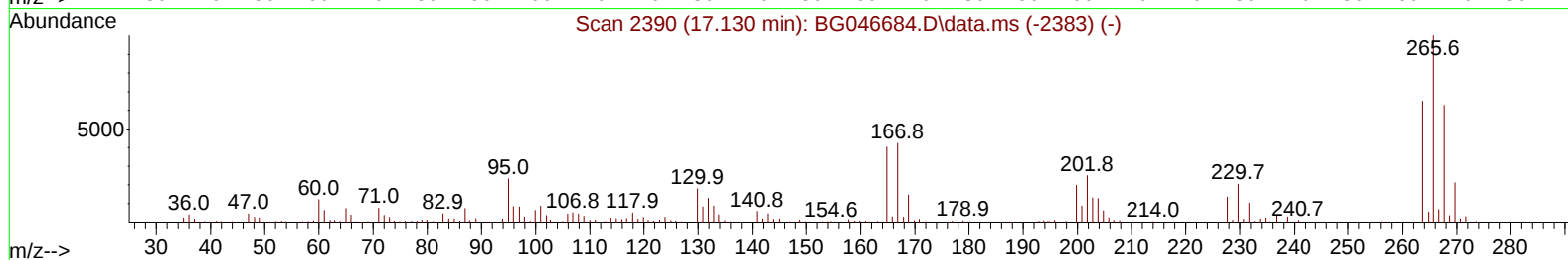
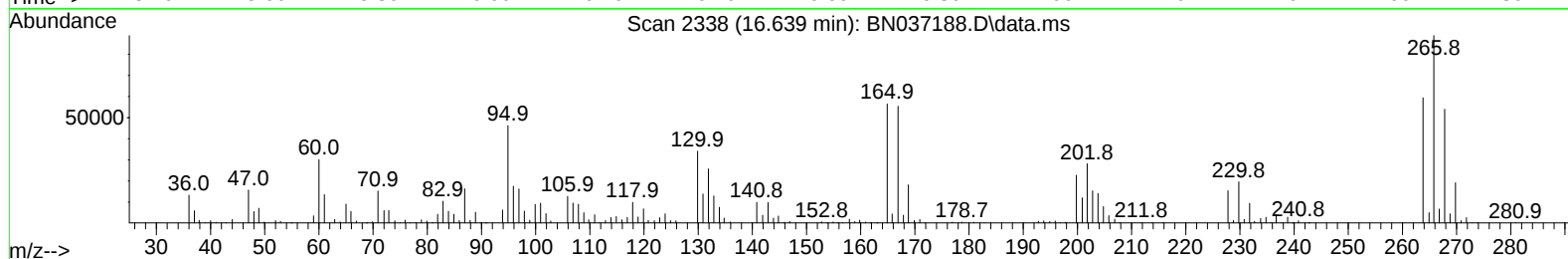
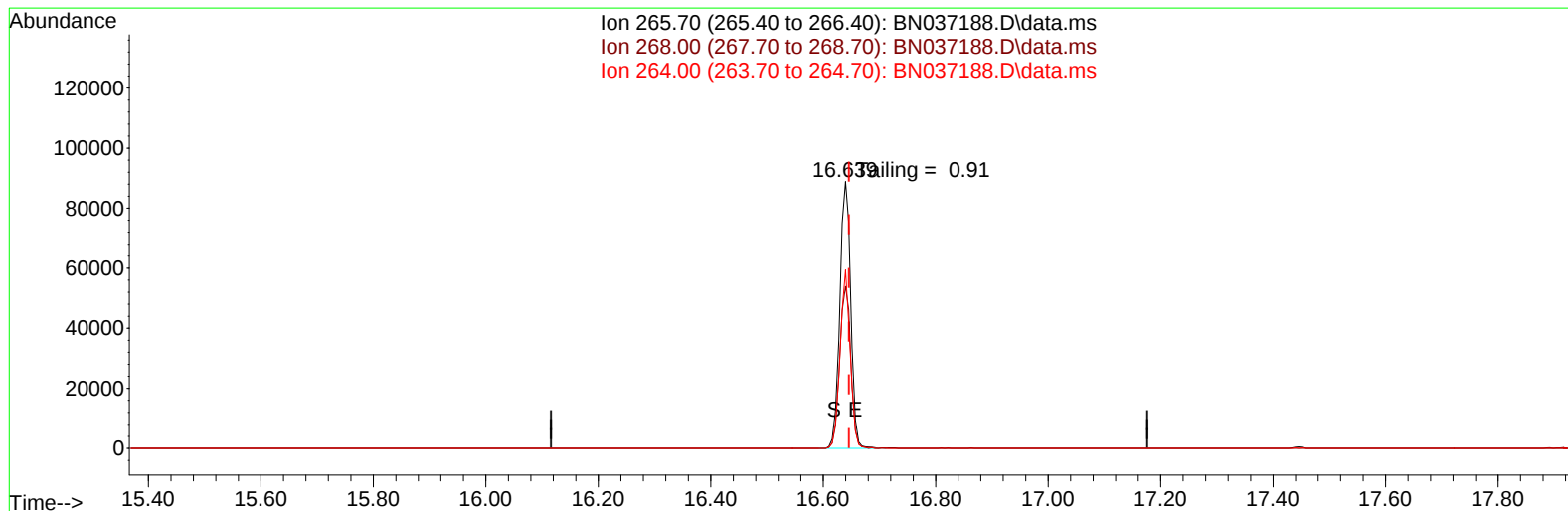
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	74.0	99844	PASS
68	69	0.00	2	0.7	559	PASS
69	198	0.00	100	59.6	80408	PASS
70	69	0.00	2	0.6	489	PASS
127	198	10	80	53.0	71472	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	134965	PASS
199	198	5	9	6.9	9301	PASS
275	198	10	60	24.1	32565	PASS
365	198	1	100	4.4	5933	PASS
441	198	0.01	100	8.6	11593	PASS
442	442	50	100	100.0	76653	PASS
443	442	15	24	18.5	14197	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037188.D
Acq On : 09 Jun 2025 10:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 09 14:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 02:36:29 2025
Response via : Initial Calibration



TIC: BN037188.D\data.ms

(70) Pentachlorophenol (C)

16.639min (-0.007) 18937.43 ng

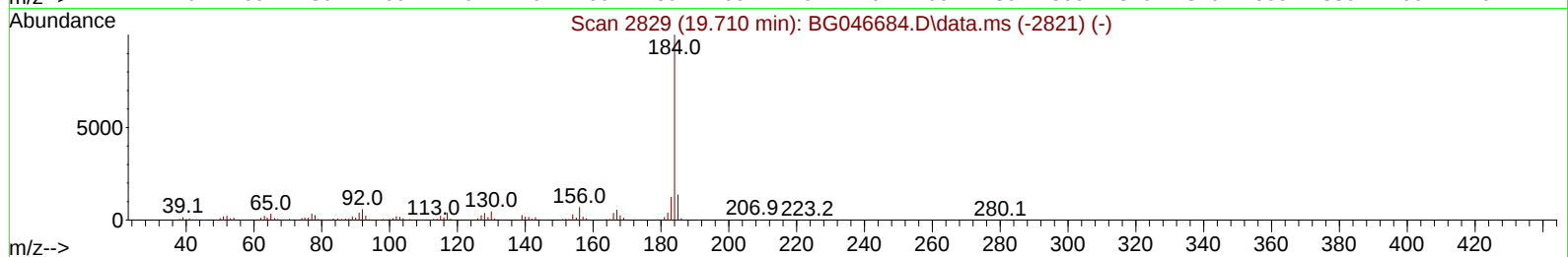
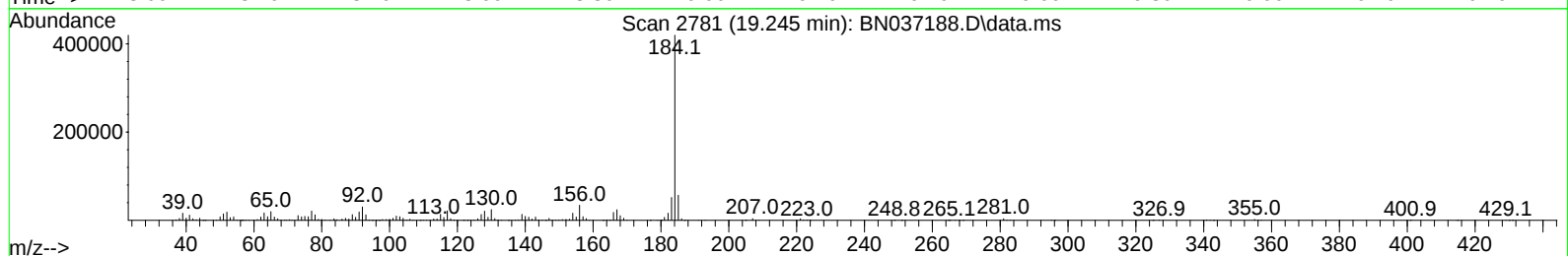
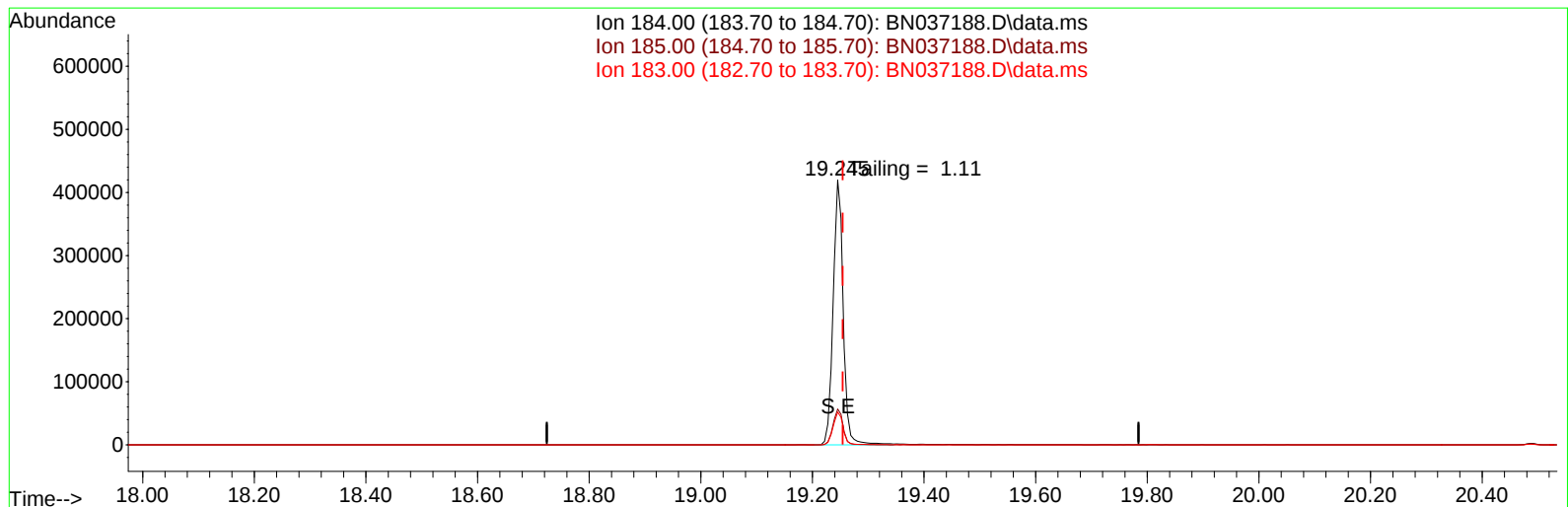
response 119636

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.72
264.00	61.60	66.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037188.D
Acq On : 09 Jun 2025 10:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 09 14:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 02:36:29 2025
Response via : Initial Calibration



TIC: BN037188.D\data.ms

(77) Benzidine

19.245min (-0.009) 0.00 ng

response 528346

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.53
183.00	13.20	12.40
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/9/2025	BNA_N	<u>BN037188.D</u>
Compound Name	Response	Retention Time
DDT	398680	20.486
DDD	7508	20.045
DDE	1010	19.539
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8518	407198	2.09

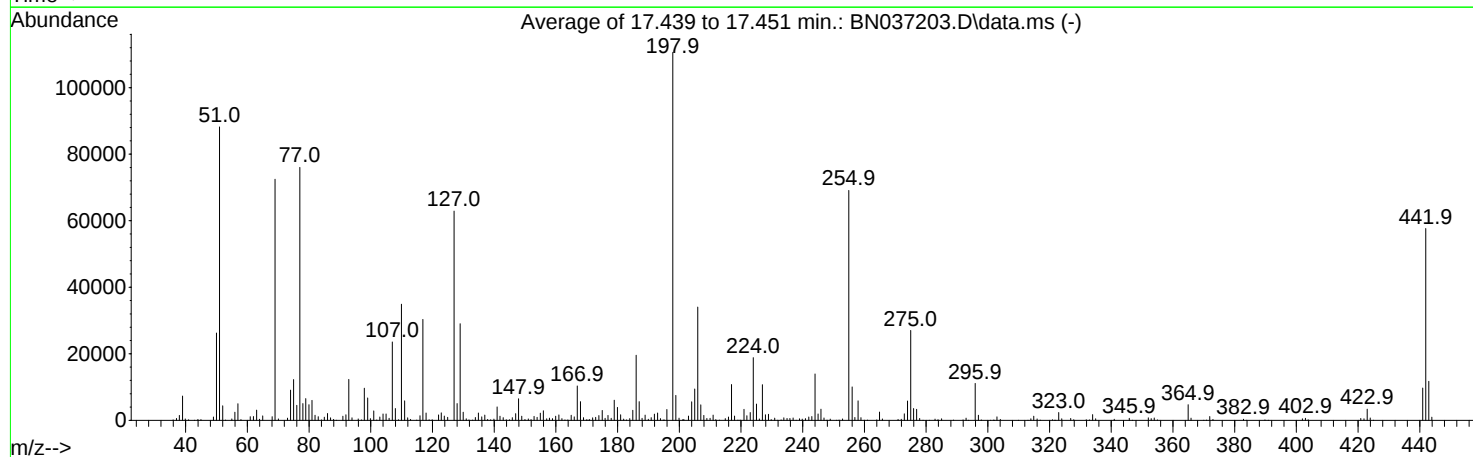
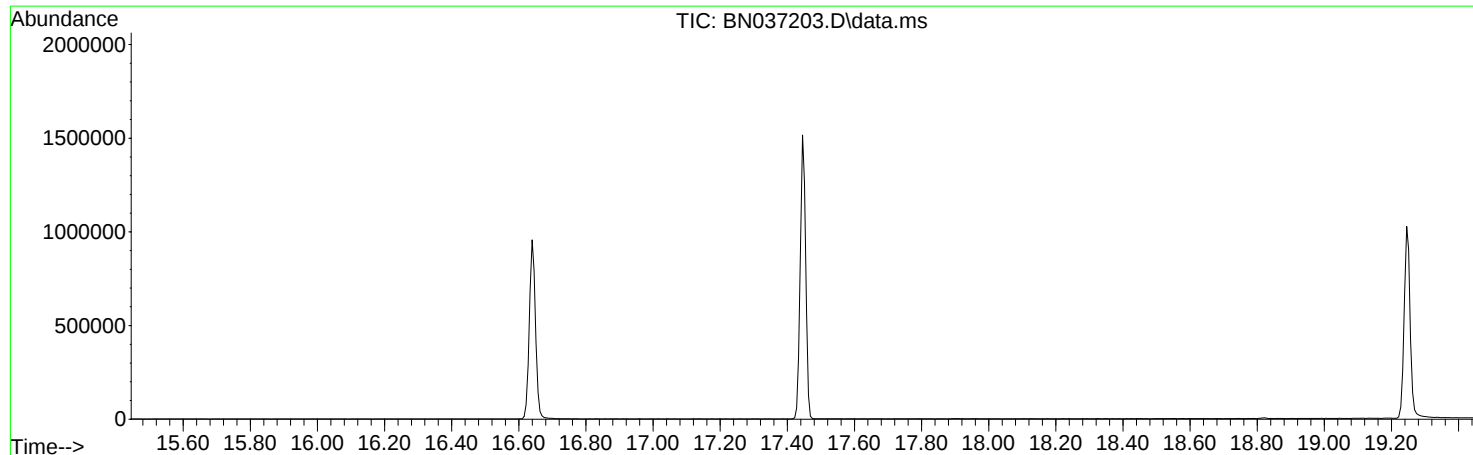
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037203.D
Acq On : 09 Jun 2025 22:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jun 04 01:52:03 2025



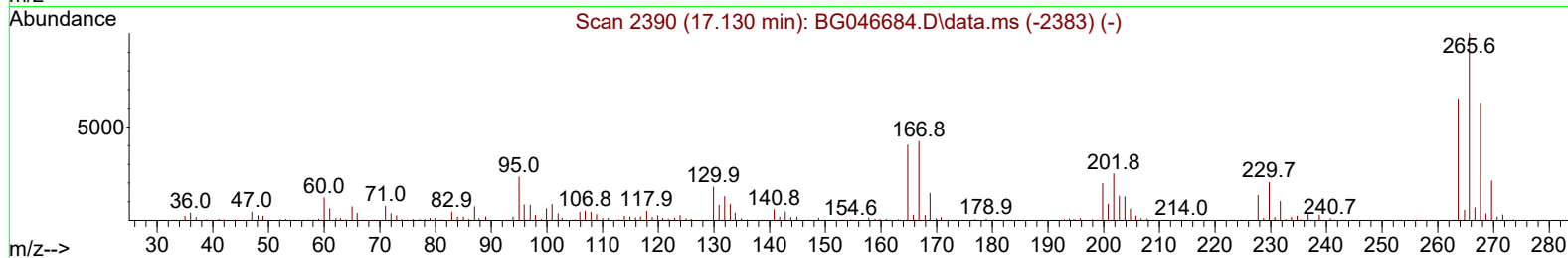
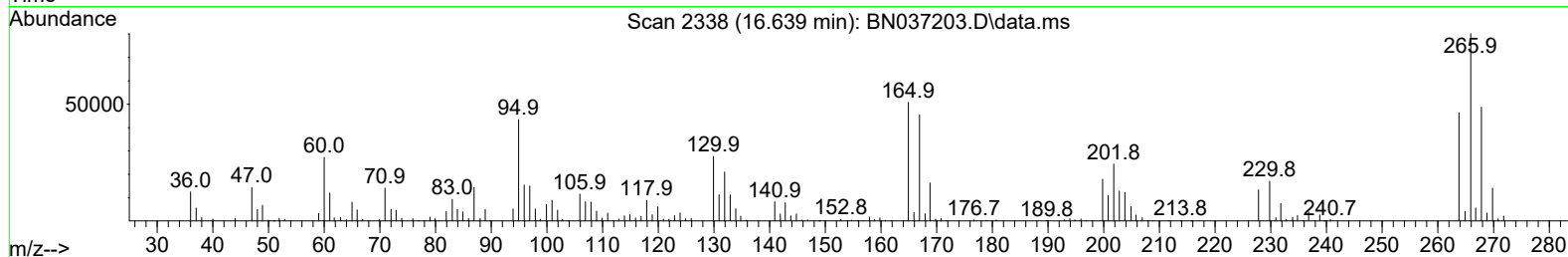
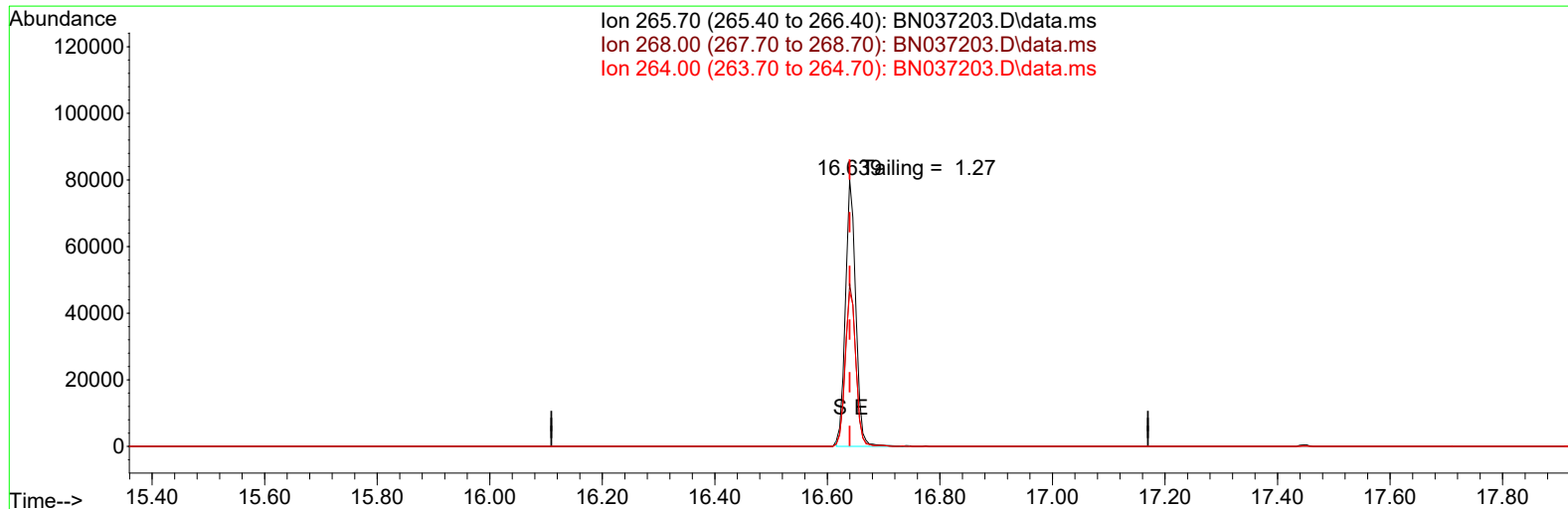
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	79.8	88176	PASS
68	69	0.00	2	1.5	1111	PASS
69	198	0.00	100	65.5	72469	PASS
70	69	0.00	2	0.6	429	PASS
127	198	10	80	56.9	62893	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	110557	PASS
199	198	5	9	6.8	7484	PASS
275	198	10	60	24.4	27021	PASS
365	198	1	100	4.3	4720	PASS
441	198	0.01	100	8.8	9692	PASS
442	442	50	100	100.0	57680	PASS
443	442	15	24	20.4	11739	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037203.D
Acq On : 09 Jun 2025 22:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 10 06:02:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 10 06:01:37 2025
Response via : Initial Calibration



TIC: BN037203.D\data.ms

(70) Pentachlorophenol (C)

16.639min (0.000) 275.85 ng

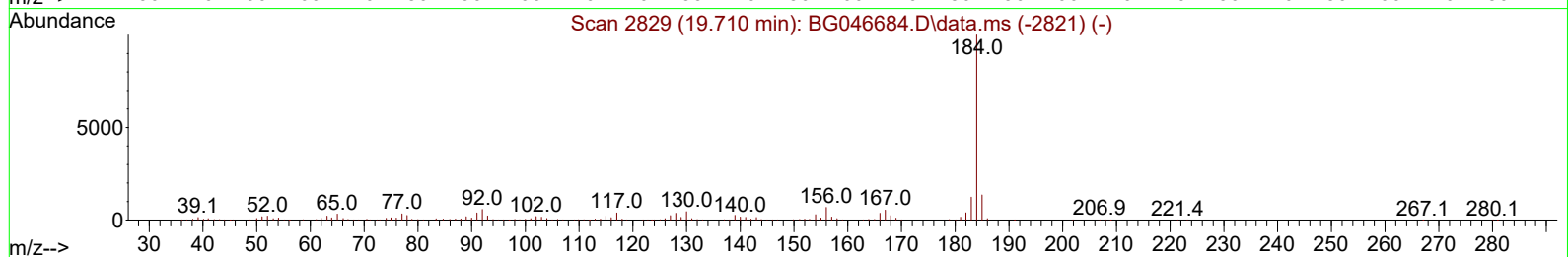
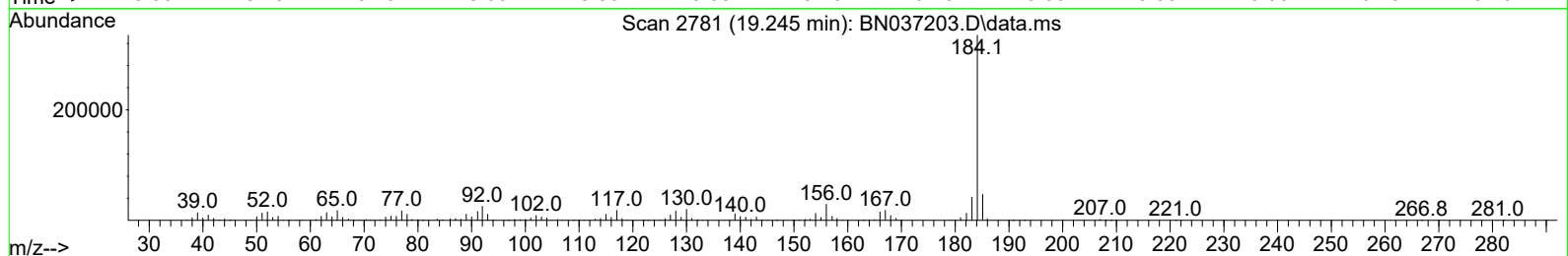
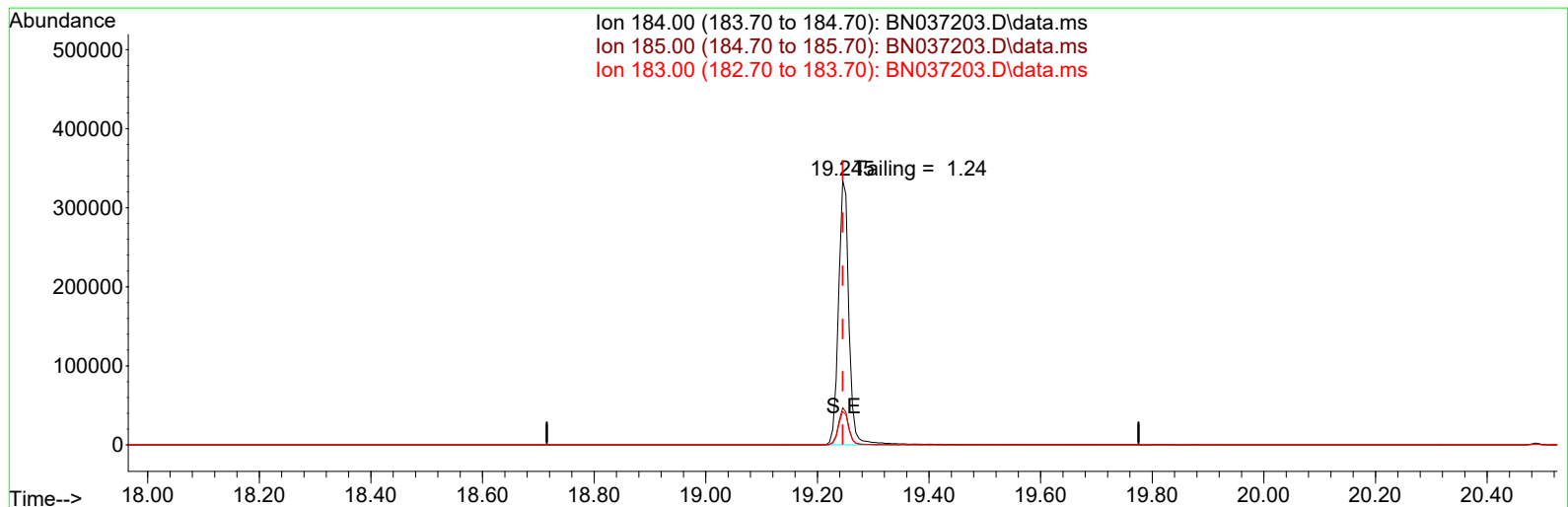
response 102519

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.86
264.00	61.60	57.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037203.D
Acq On : 09 Jun 2025 22:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 10 06:02:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 10 06:01:37 2025
Response via : Initial Calibration



TIC: BN037203.D\data.ms

(77) Benzidine

19.245min (0.000) 0.00 ng

response 432254

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.09
183.00	13.20	12.58
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/9/2025	BNA_N	<u>BN037203.D</u>
Compound Name	Response	Retention Time
DDT	300238	20.486
DDD	4412	20.051
DDE	217	19.539
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4629	304867	1.52

Instrument :
BNA_N
ClientSampleId :
DFTPP

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168336BL	SDG No.:	Q2234
Lab Sample ID:	PB168336BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037190.D	1	06/06/25 11:54	06/09/25 11:30	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 (54) - 150 (157)	99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		30 (27) - 130 (154)	92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		30 (30) - 130 (155)	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		30 (54) - 130 (175)	105%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1820	7.589			
1146-65-2	Naphthalene-d8	4230	10.372			
15067-26-2	Acenaphthene-d10	2100	14.245			
1517-22-2	Phenanthrene-d10	3500	16.996			
1719-03-5	Chrysene-d12	2450	21.189			
1520-96-3	Perylene-d12	2290	23.386			

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_N\Data\BN060925\
Data File : BN037190.D
Acq On : 09 Jun 2025 11:30
Operator : RC/JU
Sample : PB168336BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168336BL

Quant Time: Jun 09 12:24:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1816	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4227	0.400	ng	# 0.00
13) Acenaphthene-d10	14.245	164	2101	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	3500	0.400	ng	0.01
29) Chrysene-d12	21.189	240	2446	0.400	ng	# 0.00
35) Perylene-d12	23.386	264	2291	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1866	0.416	ng	0.00
5) Phenol-d6	6.773	99	1994	0.366	ng	0.00
8) Nitrobenzene-d5	8.749	82	1646	0.369	ng	0.01
11) 2-Methylnaphthalene-d10	11.970	152	2143	0.364	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	207	0.245	ng	0.01
15) 2-Fluorobiphenyl	12.863	172	3619	0.404	ng	0.00
27) Fluoranthene-d10	19.026	212	3511	0.395	ng	0.00
31) Terphenyl-d14	19.635	244	2421	0.420	ng	0.00

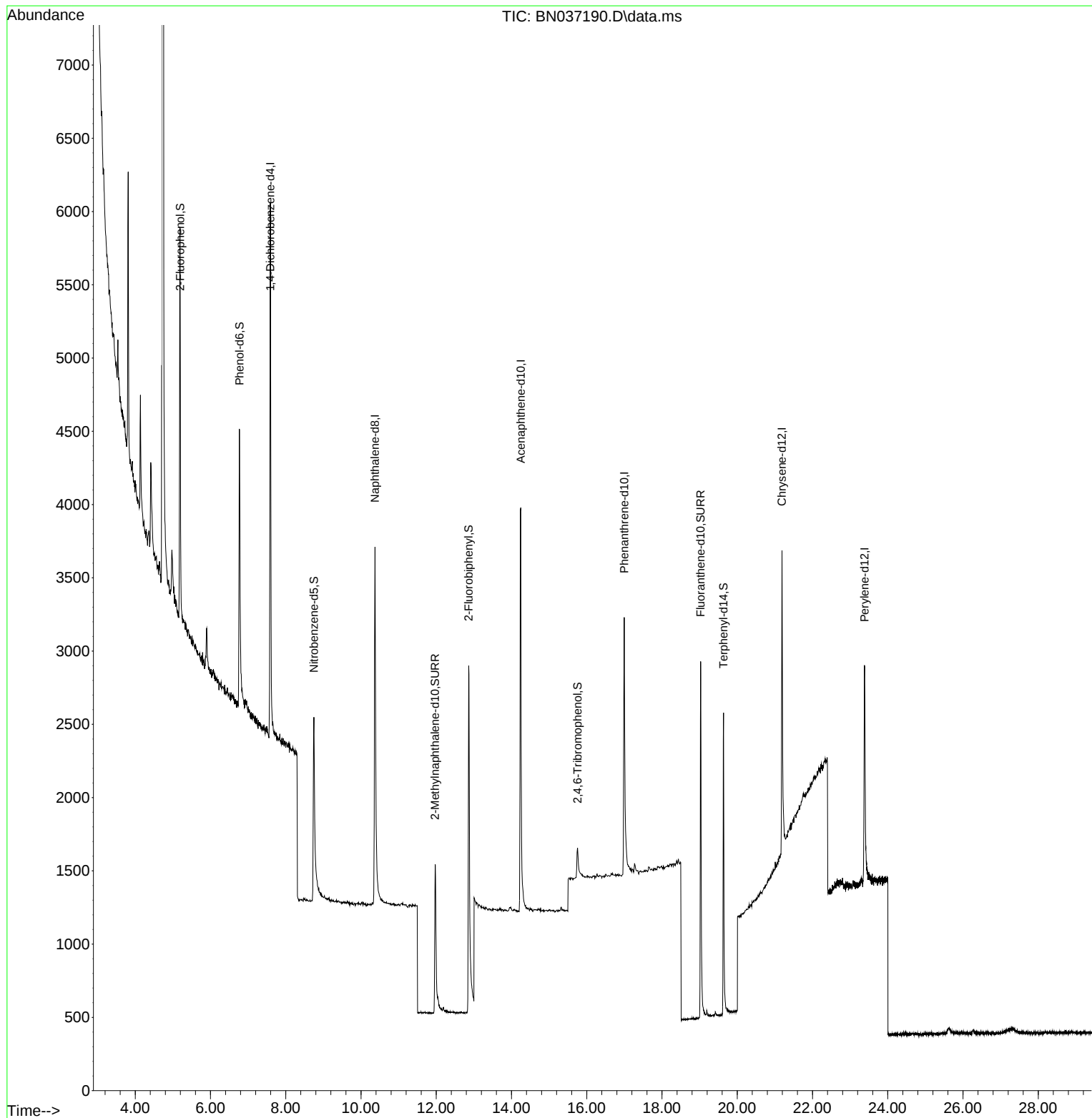
Target Compounds	Qvalue
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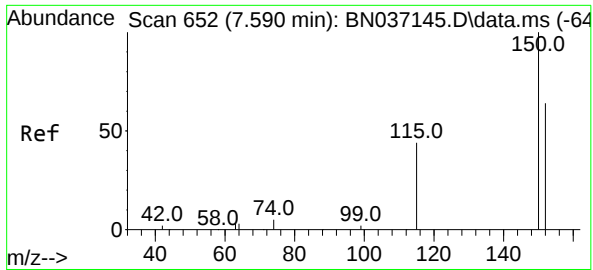
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037190.D
Acq On : 09 Jun 2025 11:30
Operator : RC/JU
Sample : PB168336BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168336BL

Quant Time: Jun 09 12:24:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

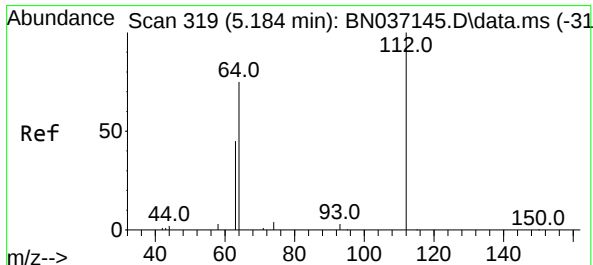
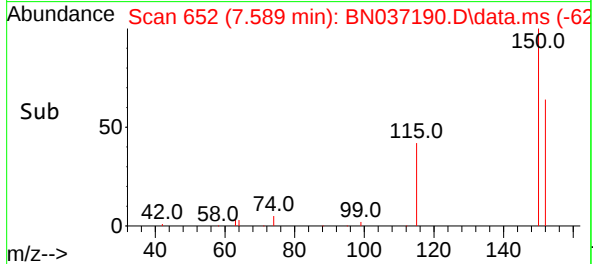
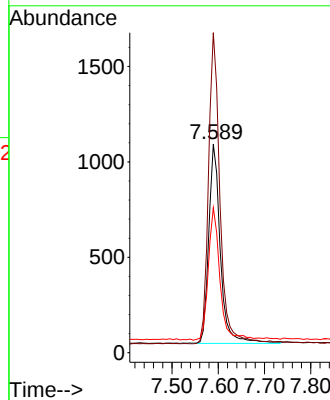
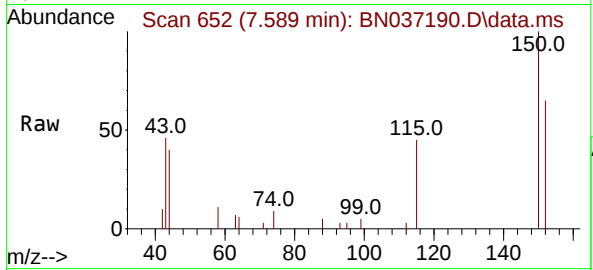




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

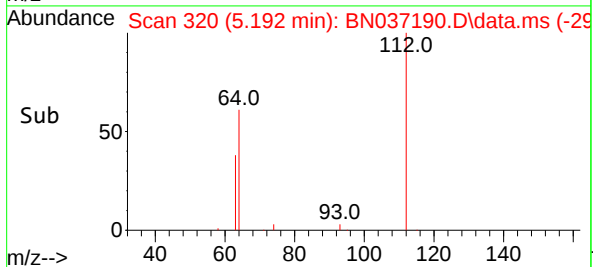
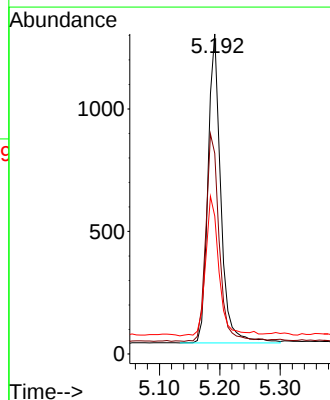
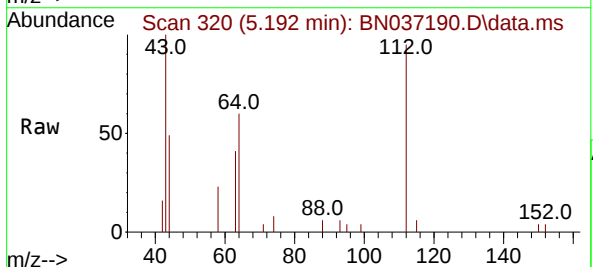
Instrument :
BNA_N
ClientSampleId :
PB168336BL

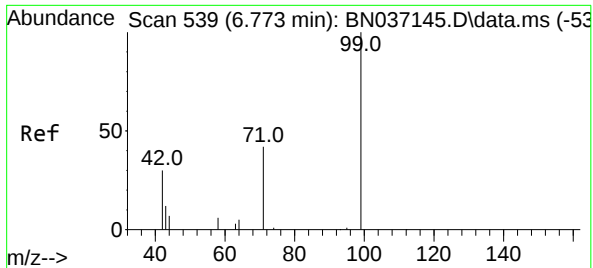
Tgt Ion:152 Resp: 1816
Ion Ratio Lower Upper
152 100
150 153.4 123.2 184.8
115 69.5 56.6 85.0



#4
2-Fluorophenol
Concen: 0.416 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion:112 Resp: 1866
Ion Ratio Lower Upper
112 100
64 69.8 56.3 84.5
63 47.4 36.2 54.4

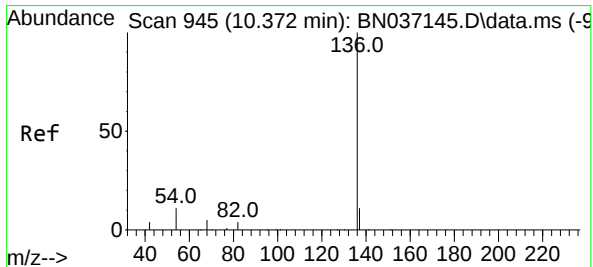
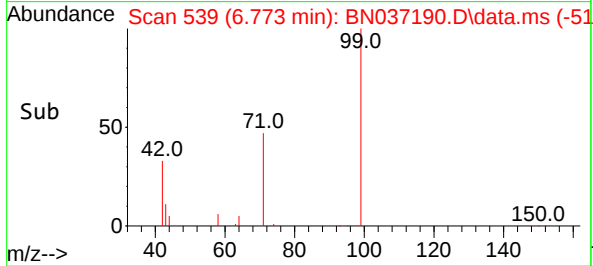
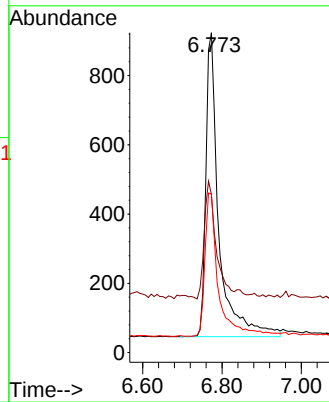
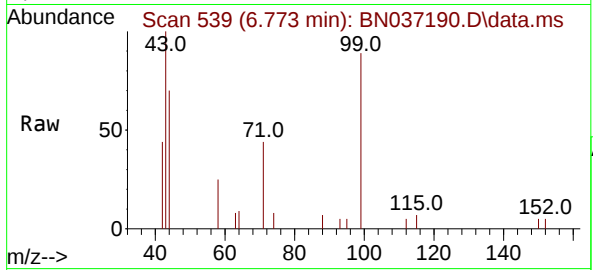




#5
Phenol-d6
Concen: 0.366 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

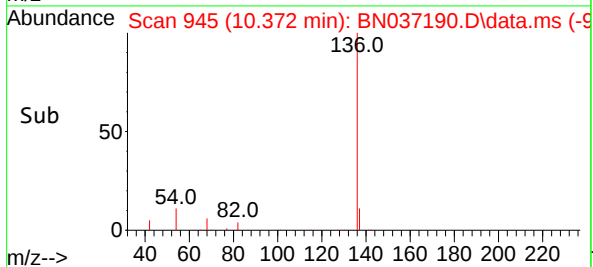
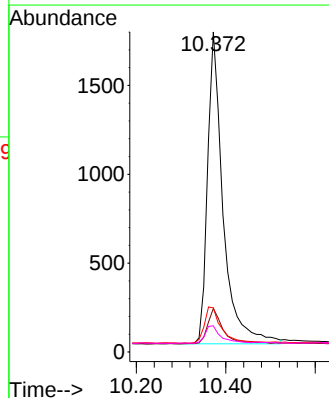
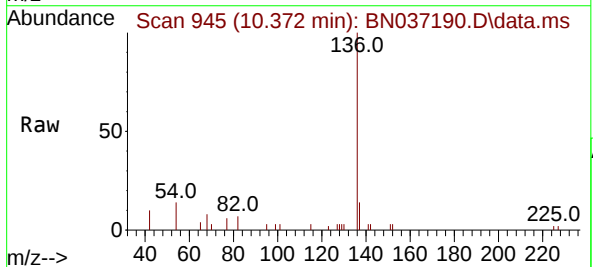
Instrument :
BNA_N
ClientSampleId :
PB168336BL

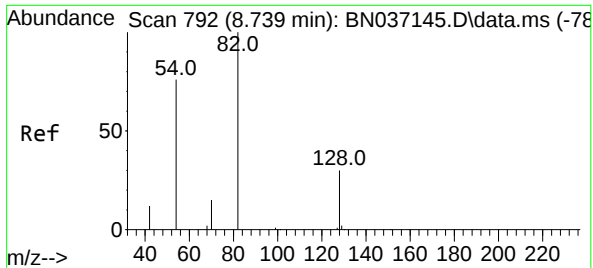
Tgt Ion:	99	Resp:	1994
Ion	Ratio	Lower	Upper
99	100		
42	34.5	31.3	46.9
71	48.8	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion:	136	Resp:	4227
Ion	Ratio	Lower	Upper
136	100		
137	13.6	9.7	14.5
54	13.8	9.7	14.5
68	8.2	5.4	8.2

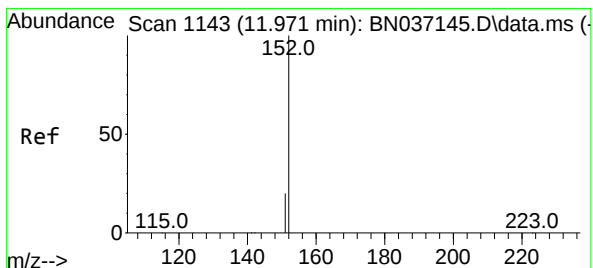
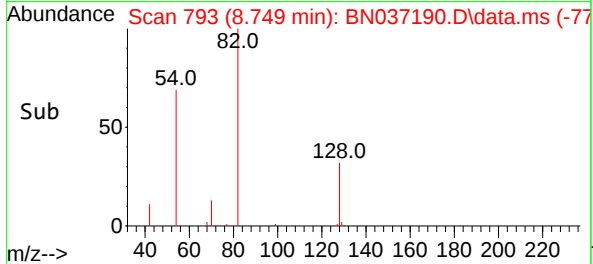
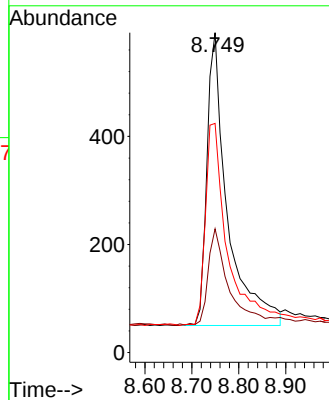
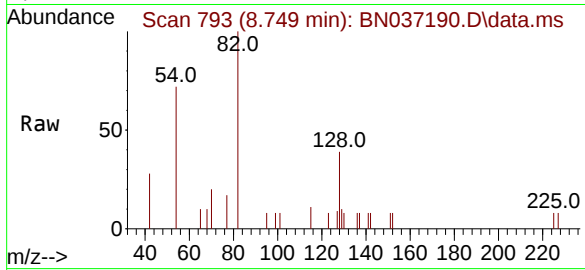




#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.749 min Scan# 792
Delta R.T. 0.011 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

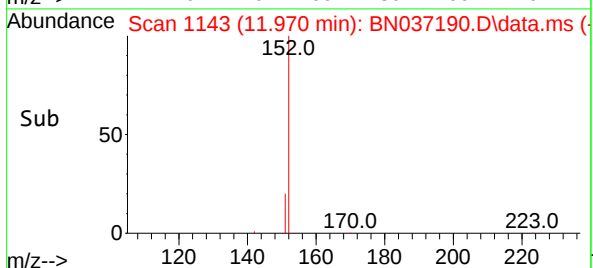
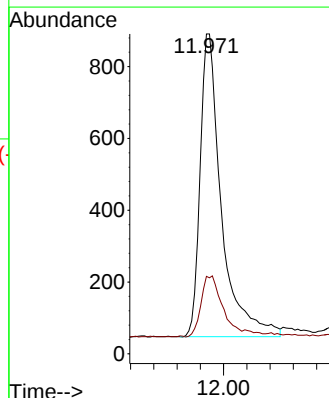
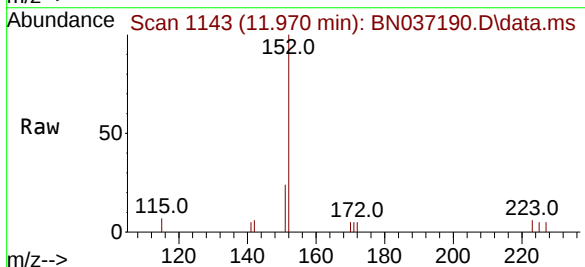
Instrument :
BNA_N
ClientSampleId :
PB168336BL

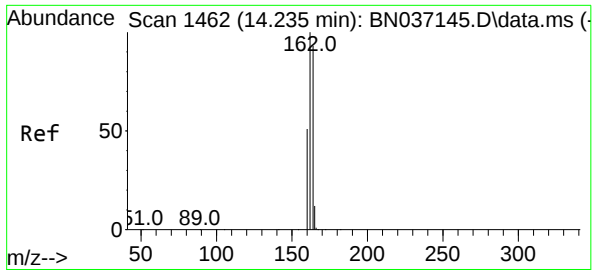
Tgt Ion: 82 Resp: 1646
Ion Ratio Lower Upper
82 100
128 38.7 26.9 40.3
54 71.6 61.4 92.2



#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 11.970 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion: 152 Resp: 2143
Ion Ratio Lower Upper
152 100
151 21.8 17.1 25.7

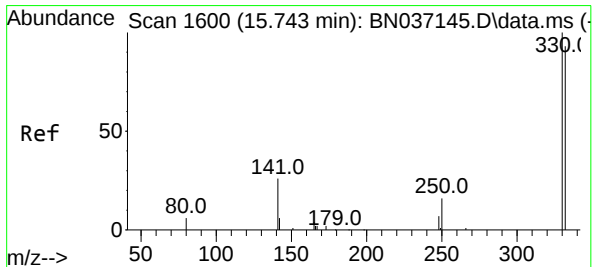
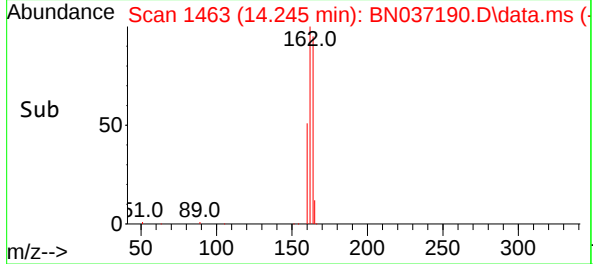
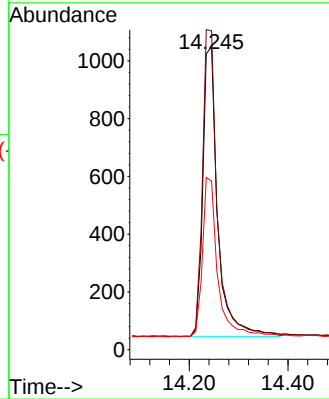
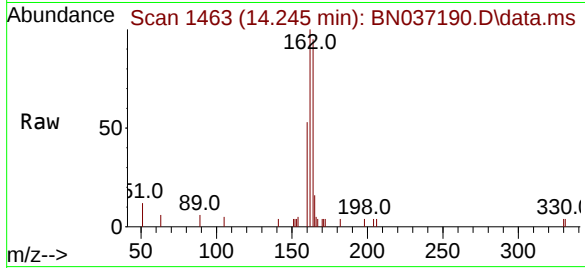




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 1463
Delta R.T. 0.011 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

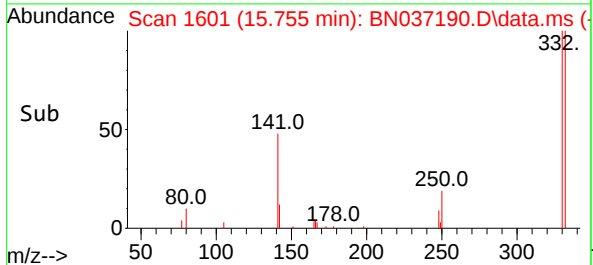
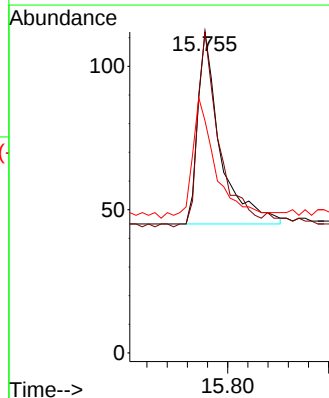
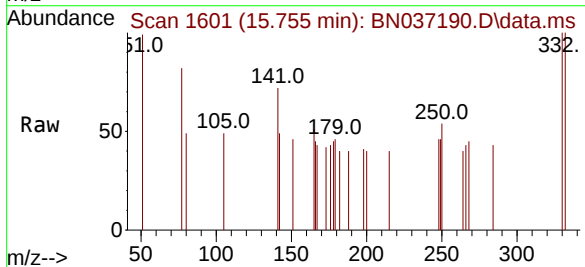
Instrument :
BNA_N
ClientSampleId :
PB168336BL

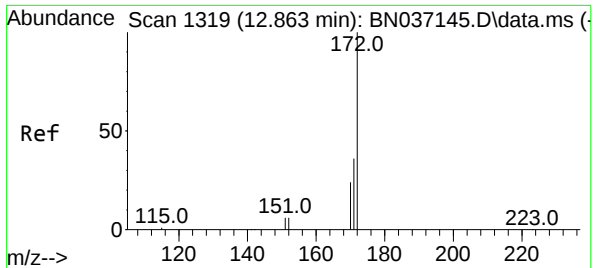
Tgt Ion	164	Resp:	2101
Ion Ratio	Lower	Upper	
164	100		
162	105.1	85.5	128.3
160	55.6	44.6	67.0



#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.755 min Scan# 1601
Delta R.T. 0.012 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion	330	Resp:	207
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.1	115.7
141	66.7	46.4	69.6

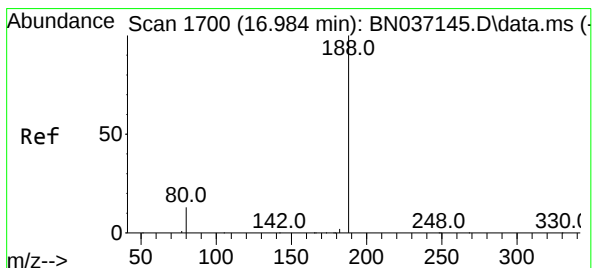
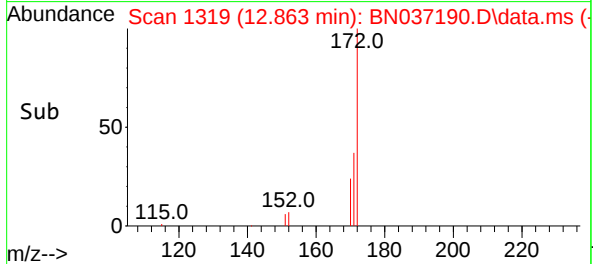
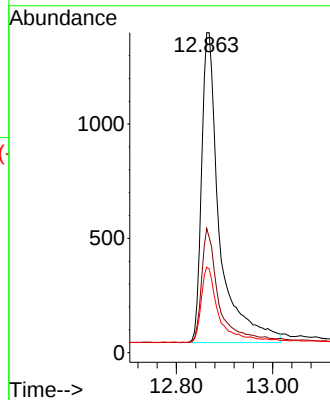
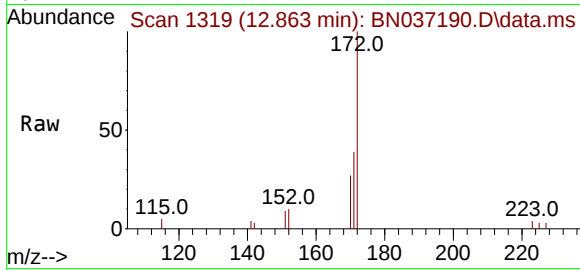




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

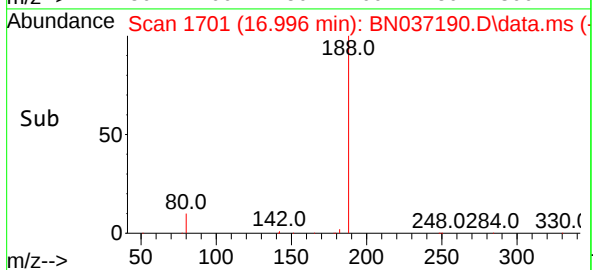
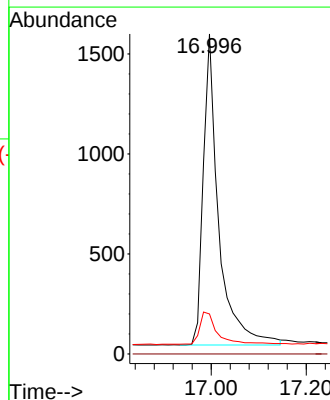
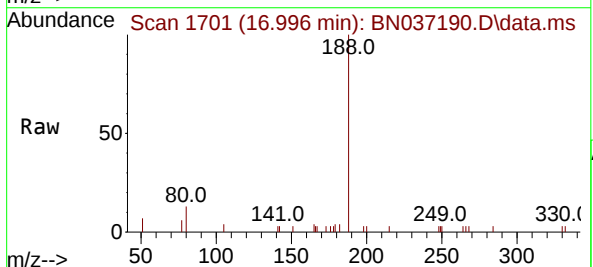
Instrument :
BNA_N
ClientSampleId :
PB168336BL

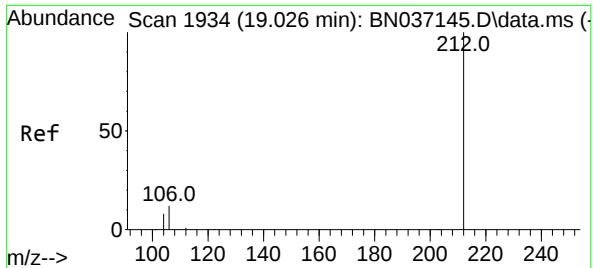
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.6	44.4
170	26.7	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1701
Delta R.T. 0.012 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	11.3	16.9





#27

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037190.D

Acq: 09 Jun 2025 11:30

Instrument :

BNA_N

ClientSampleId :

PB168336BL

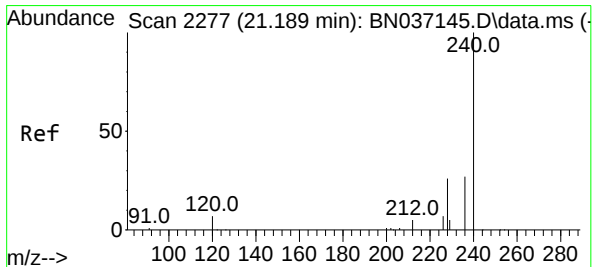
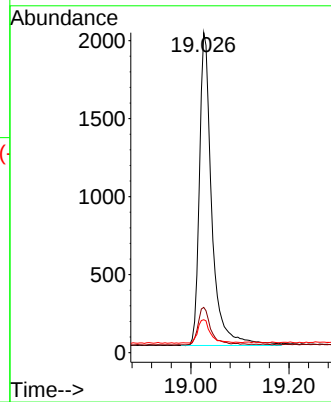
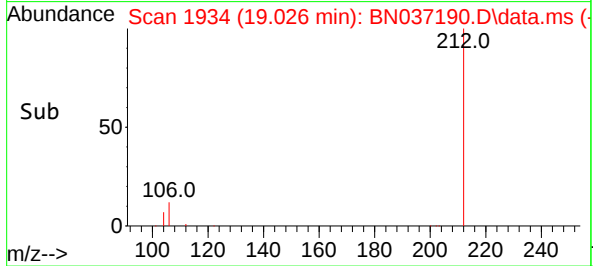
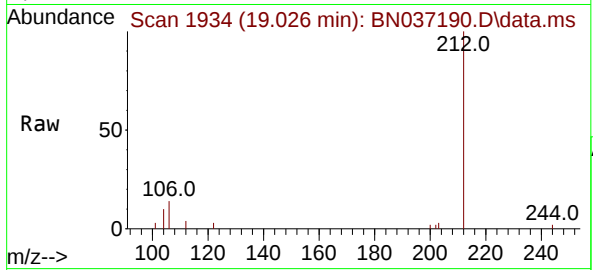
Tgt Ion:212 Resp: 3511

Ion Ratio Lower Upper

212 100

106 12.0 10.6 15.8

104 7.4 6.6 9.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BN037190.D

Acq: 09 Jun 2025 11:30

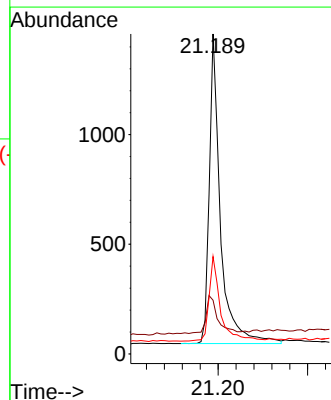
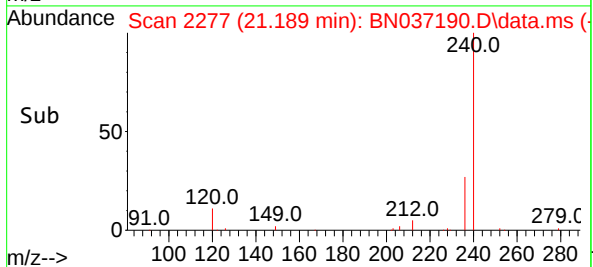
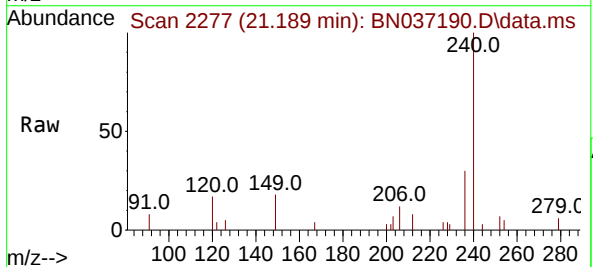
Tgt Ion:240 Resp: 2446

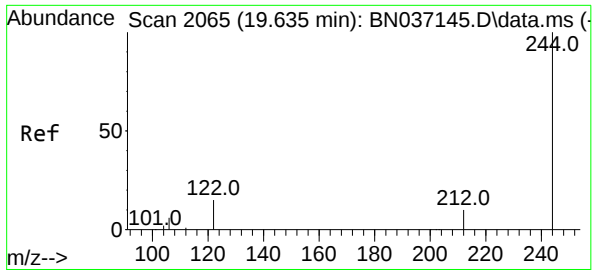
Ion Ratio Lower Upper

240 100

120 16.8 9.0 13.4

236 30.4 23.0 34.4

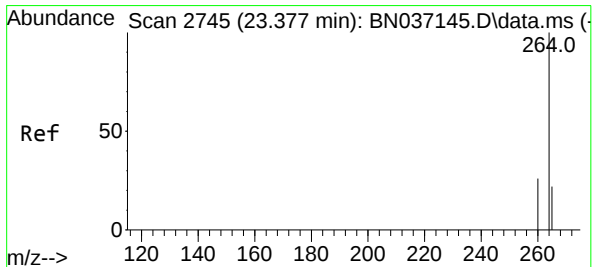
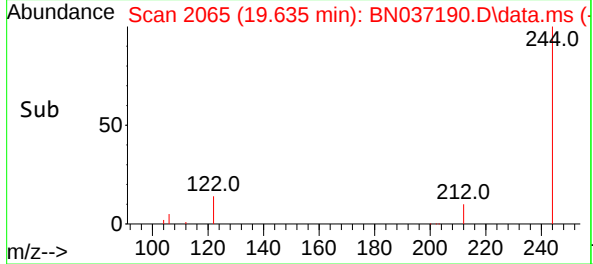
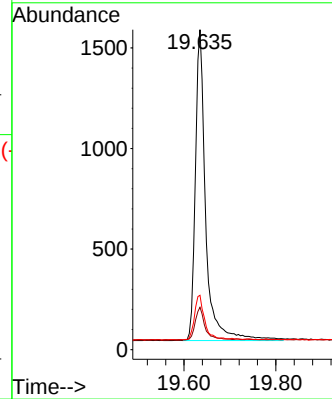
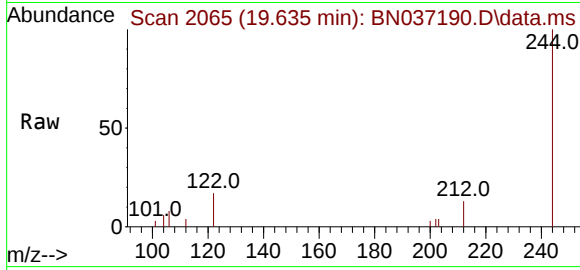




#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

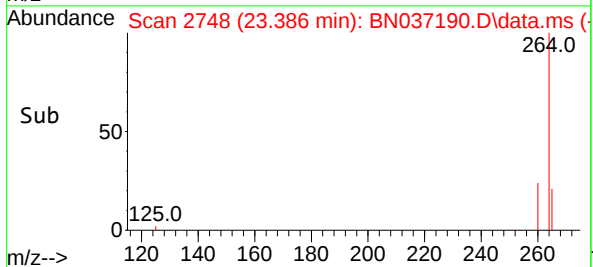
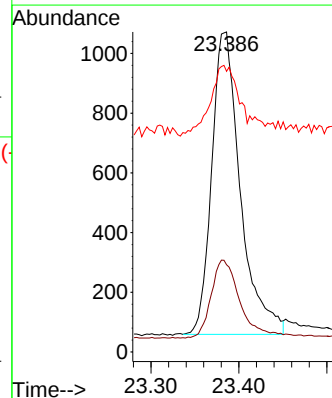
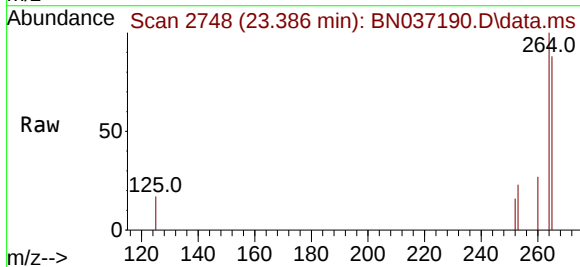
Instrument :
BNA_N
ClientSampleId :
PB168336BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.3	10.0	15.0
122	17.0	13.2	19.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.386 min Scan# 2748
Delta R.T. 0.009 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.1	33.1
265	87.7	55.8	83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168336BS	SDG No.:	Q2234
Lab Sample ID:	PB168336BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037201.D	1	06/06/25 11:54	06/09/25 20:40	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.40		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		30 (54) - 130 (175)	95%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2230	7.589			
1146-65-2	Naphthalene-d8	5470	10.361			
15067-26-2	Acenaphthene-d10	2610	14.234			
1517-22-2	Phenanthrene-d10	4250	16.984			
1719-03-5	Chrysene-d12	2470	21.188			
1520-96-3	Perylene-d12	2370	23.377			

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_N\Data\BN060925\
 Data File : BN037201.D
 Acq On : 09 Jun 2025 20:40
 Operator : RC/JU
 Sample : PB168336BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168336BS

Quant Time: Jun 10 04:03:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

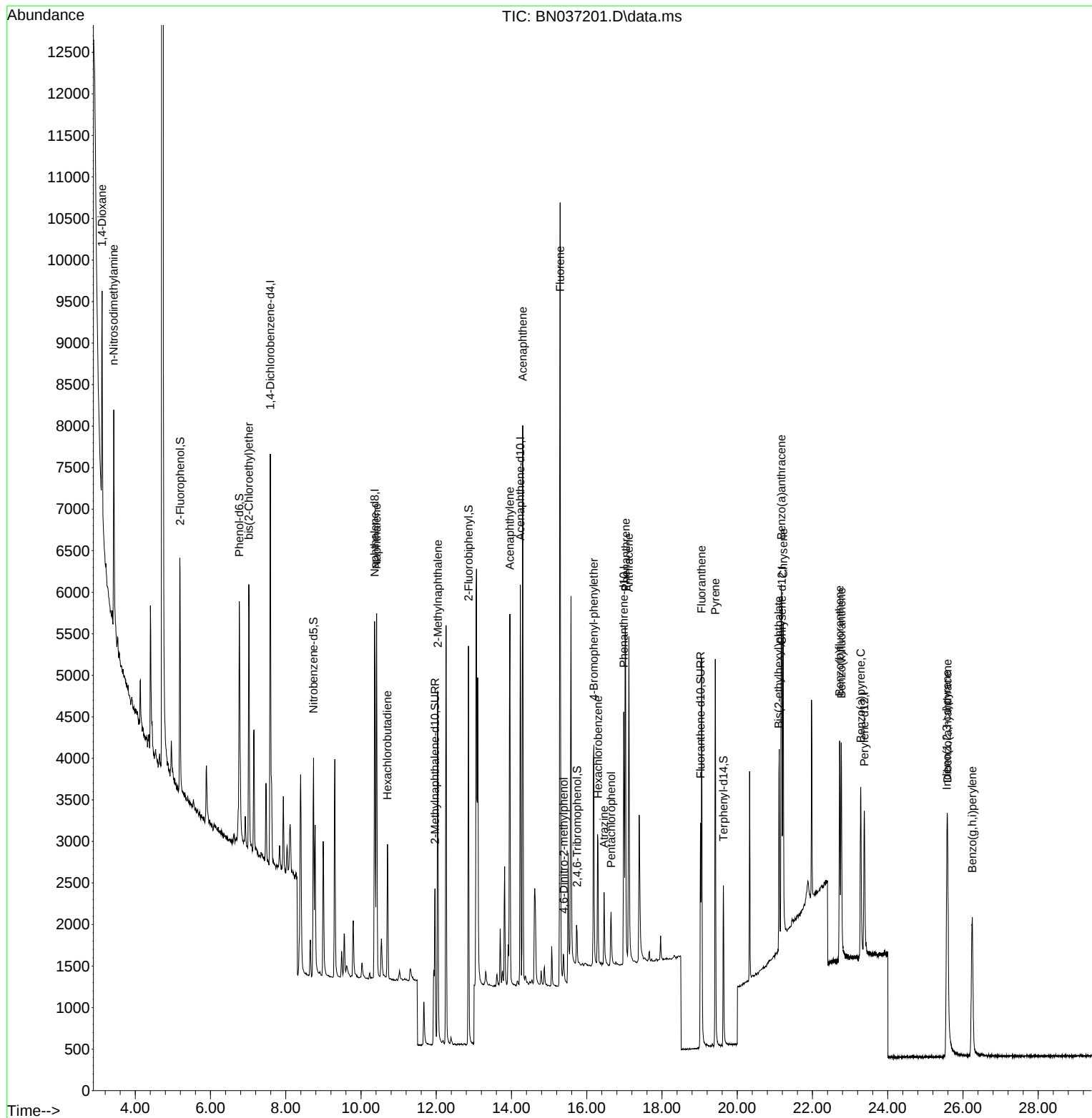
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2227	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5466	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2607	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4253	0.400	ng	0.00
29) Chrysene-d12	21.188	240	2468	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2373	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	2001	0.363	ng	0.00
5) Phenol-d6	6.766	99	2345	0.351	ng	0.00
8) Nitrobenzene-d5	8.738	82	2065	0.358	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2755	0.362	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	307	0.292	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	4234	0.381	ng	0.00
27) Fluoranthene-d10	19.026	212	3278	0.303	ng	0.00
31) Terphenyl-d14	19.634	244	2215	0.381	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1196	0.403	ng	# 44
3) n-Nitrosodimethylamine	3.429	42	2277	0.382	ng	# 91
6) bis(2-Chloroethyl)ether	7.019	93	2167	0.340	ng	95
9) Naphthalene	10.415	128	5395	0.342	ng	100
10) Hexachlorobutadiene	10.703	225	1252	0.364	ng	# 97
12) 2-Methylnaphthalene	12.041	142	3113	0.308	ng	99
16) Acenaphthylene	13.956	152	4871	0.381	ng	100
17) Acenaphthene	14.298	154	2908	0.350	ng	100
18) Fluorene	15.293	166	3677	0.337	ng	100
20) 4,6-Dinitro-2-methylph...	15.389	198	337	0.545	ng	# 68
21) 4-Bromophenyl-phenylether	16.189	248	1073	0.385	ng	91
22) Hexachlorobenzene	16.301	284	1184	0.394	ng	98
23) Atrazine	16.462	200	810	0.352	ng	98
24) Pentachlorophenol	16.648	266	393	0.433	ng	98
25) Phenanthrene	17.033	178	4954	0.360	ng	100
26) Anthracene	17.120	178	4498	0.358	ng	98
28) Fluoranthene	19.054	202	4519	0.297	ng	100
30) Pyrene	19.416	202	4443	0.369	ng	99
32) Benzo(a)anthracene	21.170	228	3255	0.364	ng	98
33) Chrysene	21.224	228	3659	0.368	ng	99
34) Bis(2-ethylhexyl)phtha...	21.108	149	1974	0.350	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	4127	0.437	ng	98
37) Benzo(b)fluoranthene	22.722	252	3317	0.346	ng	92
38) Benzo(k)fluoranthene	22.766	252	3519	0.360	ng	94
39) Benzo(a)pyrene	23.283	252	3154	0.393	ng	94
40) Dibenzo(a,h)anthracene	25.590	278	3219	0.442	ng	96
41) Benzo(g,h,i)perylene	26.248	276	3529	0.422	ng	99

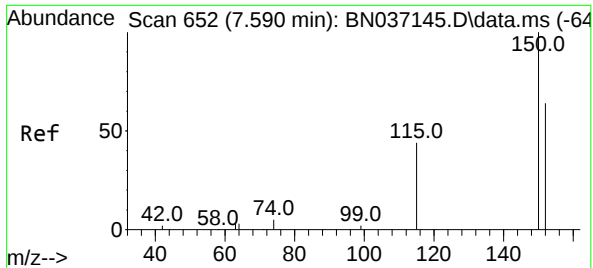
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037201.D
Acq On : 09 Jun 2025 20:40
Operator : RC/JU
Sample : PB168336BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168336BS

Quant Time: Jun 10 04:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

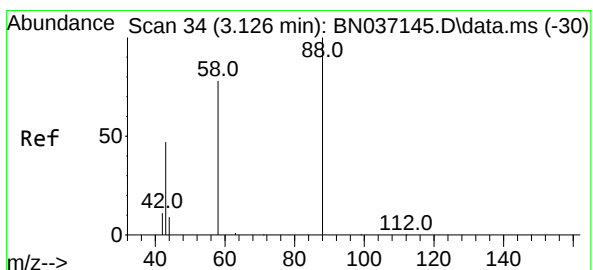
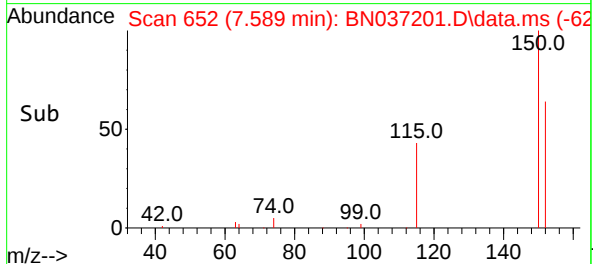
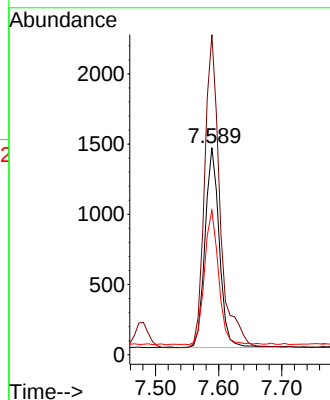
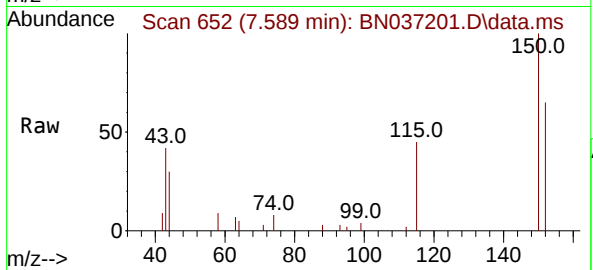




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

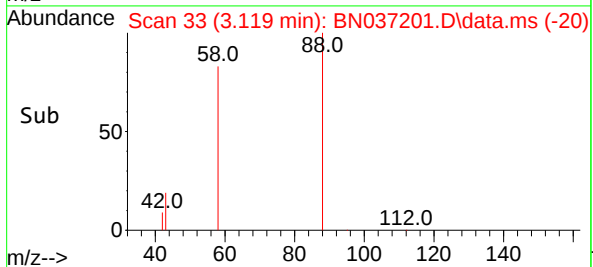
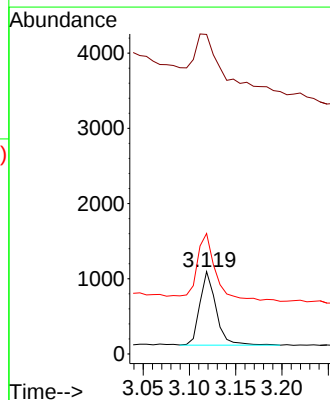
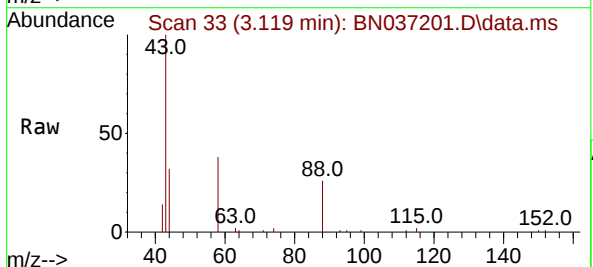
Instrument :
BNA_N
ClientSampleId :
PB168336BS

Tgt Ion:152 Resp: 2227
Ion Ratio Lower Upper
152 100
150 154.5 123.2 184.8
115 69.7 56.6 85.0

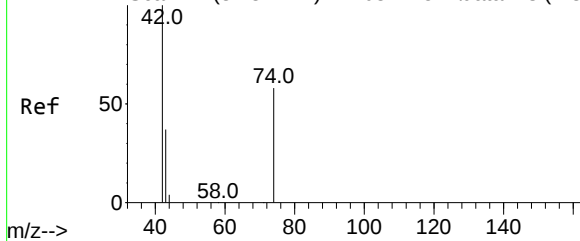


#2
1,4-Dioxane
Concen: 0.403 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.008 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion: 88 Resp: 1196
Ion Ratio Lower Upper
88 100
43 127.3 43.5 65.3#
58 108.4 67.7 101.5#



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.382 ng

RT: 3.429 min Scan# 7

Delta R.T. -0.008 min

Lab File: BN037201.D

Acq: 09 Jun 2025 20:40

Instrument :

BNA_N

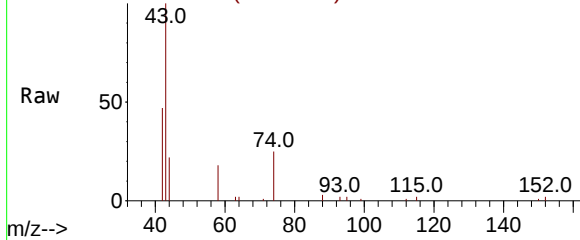
ClientSampleId :

PB168336BS

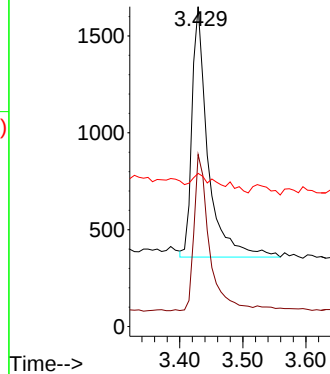
Tgt Ion: 42 Resp: 2277

Ion	Ratio	Lower	Upper
42	100		
74	58.8	53.0	79.4
44	5.2	5.9	8.9#

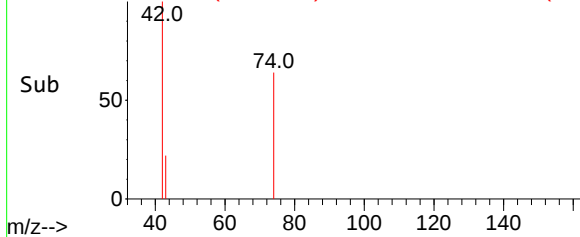
Abundance Scan 76 (3.429 min): BN037201.D\data.ms



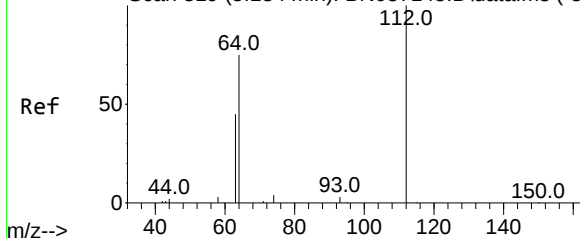
Abundance



Abundance Scan 76 (3.429 min): BN037201.D\data.ms (-56)



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.363 ng

RT: 5.191 min Scan# 320

Delta R.T. 0.007 min

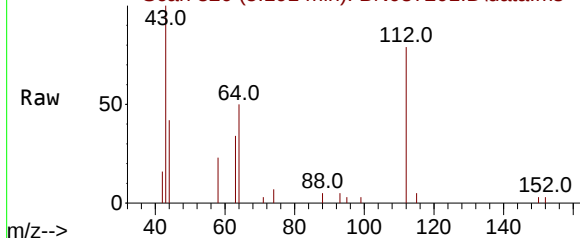
Lab File: BN037201.D

Acq: 09 Jun 2025 20:40

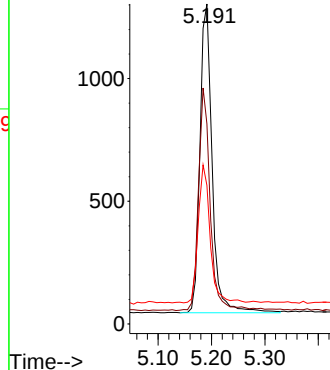
Tgt Ion: 112 Resp: 2001

Ion	Ratio	Lower	Upper
112	100		
64	69.6	56.3	84.5
63	43.6	36.2	54.4

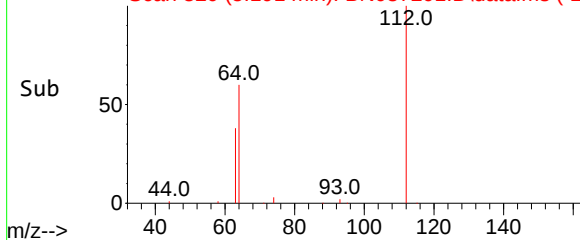
Abundance Scan 320 (5.191 min): BN037201.D\data.ms

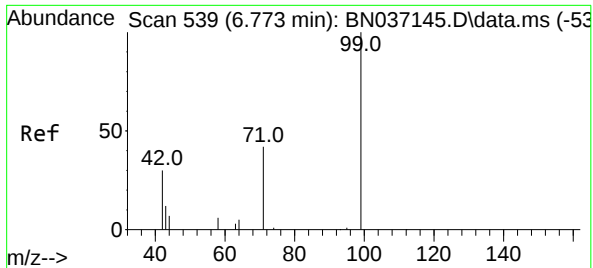


Abundance



Abundance Scan 320 (5.191 min): BN037201.D\data.ms (-29)

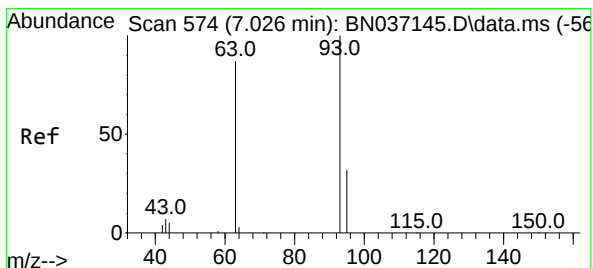
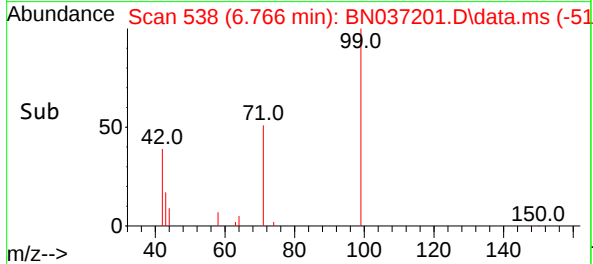
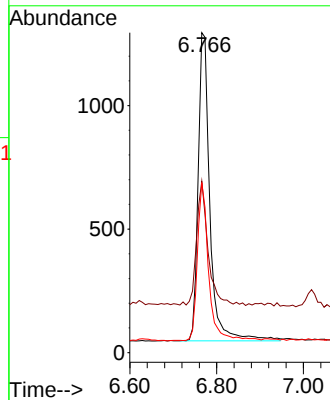
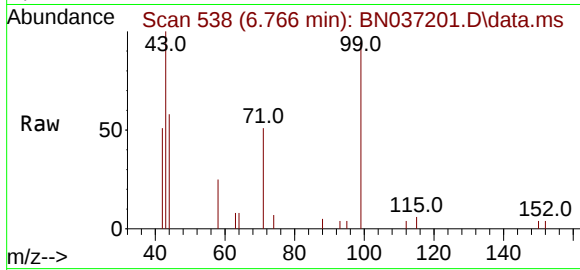




#5
Phenol-d6
Concen: 0.351 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

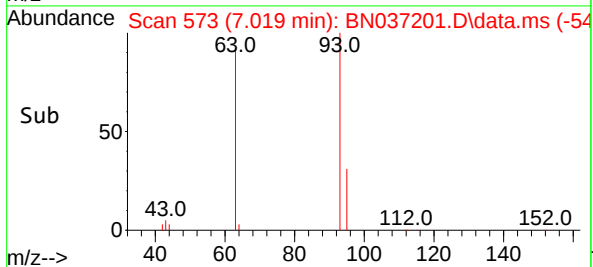
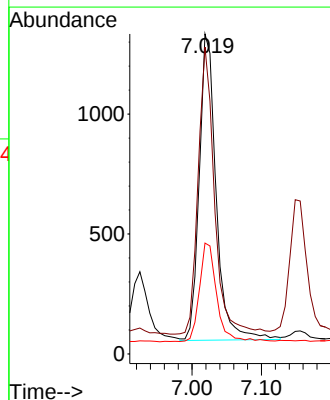
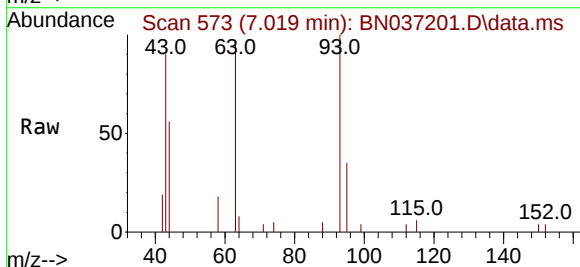
Instrument :
BNA_N
ClientSampleId :
PB168336BS

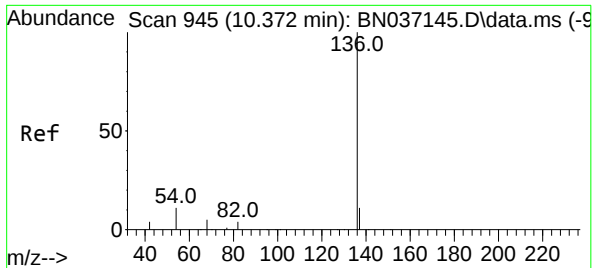
Tgt Ion: 99 Resp: 2345
Ion Ratio Lower Upper
99 100
42 38.7 31.3 46.9
71 48.7 38.2 57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.340 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.008 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion: 93 Resp: 2167
Ion Ratio Lower Upper
93 100
63 90.4 68.6 103.0
95 33.0 24.3 36.5

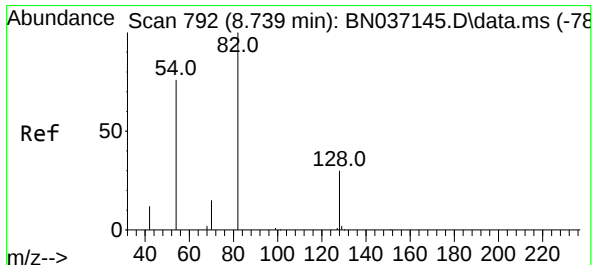
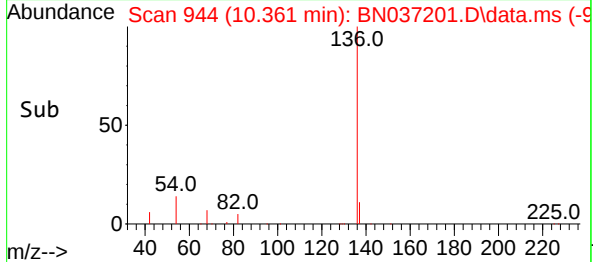
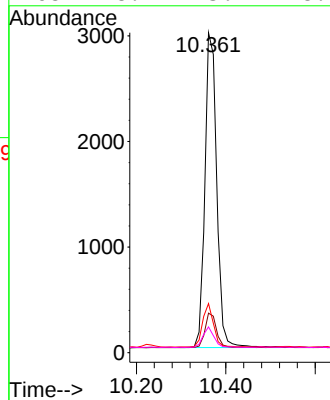
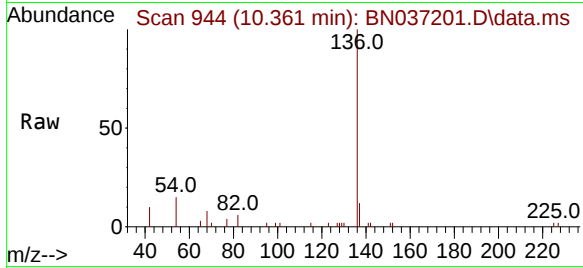




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

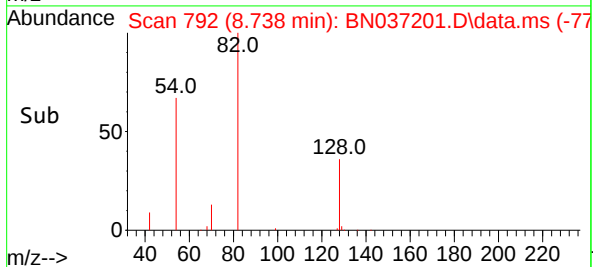
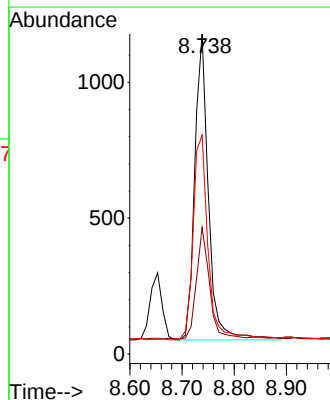
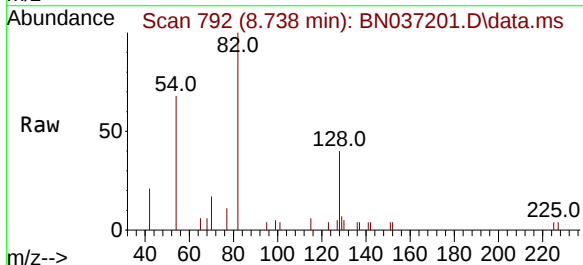
Instrument :
BNA_N
ClientSampleId :
PB168336BS

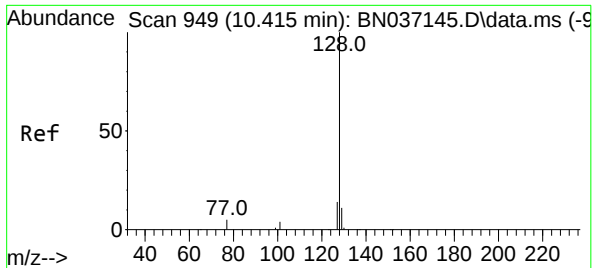
Tgt Ion:	136	Resp:	5466
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	15.3	9.7	14.5
68	8.1	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 8.738 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:	82	Resp:	2065
Ion	Ratio	Lower	Upper
82	100		
128	39.6	26.9	40.3
54	68.4	61.4	92.2

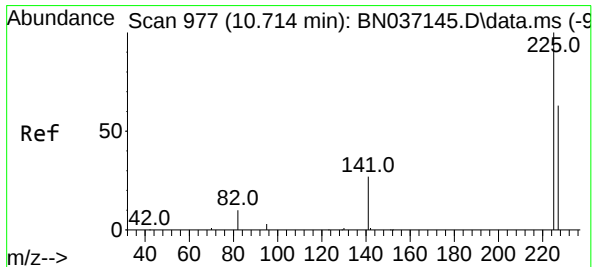
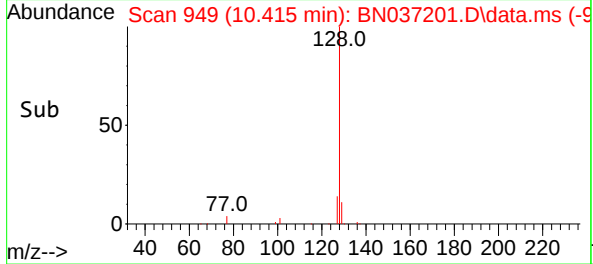
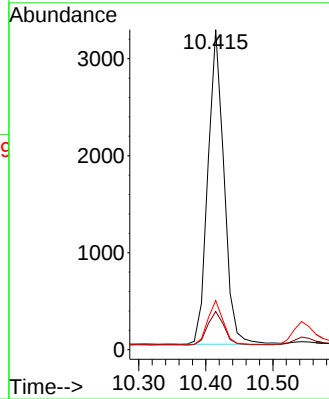
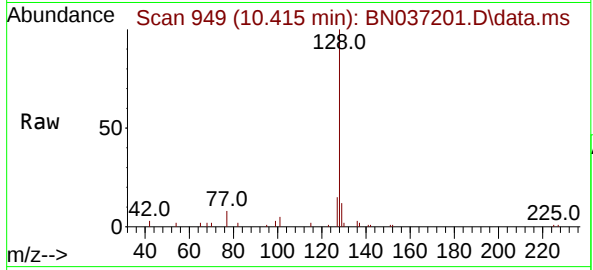




#9
Naphthalene
Concen: 0.342 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

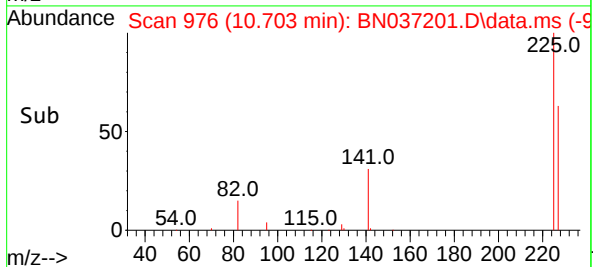
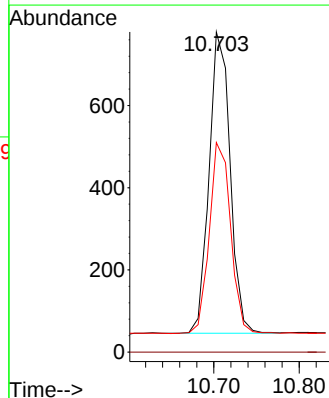
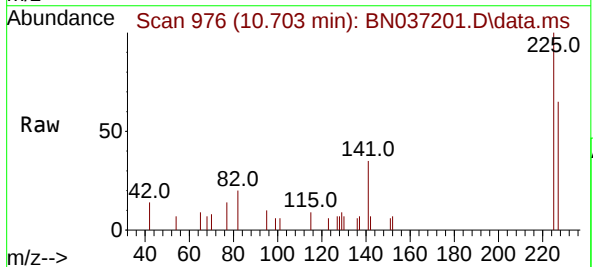
Instrument :
BNA_N
ClientSampleId :
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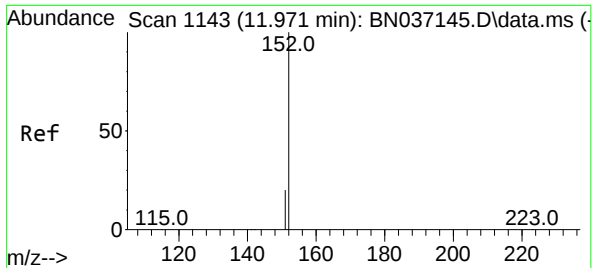
Tgt Ion	128	129	127
Resp:	5395		
Ion Ratio	100	12.0	15.3
Lower		9.8	12.3
Upper		14.8	18.5



#10
Hexachlorobutadiene
Concen: 0.364 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion	225	223	227
Resp:	1252		
Ion Ratio	100	0.0	64.9
Lower		0.0	50.3
Upper		0.0	75.5

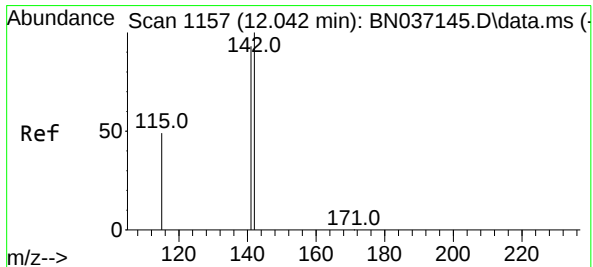
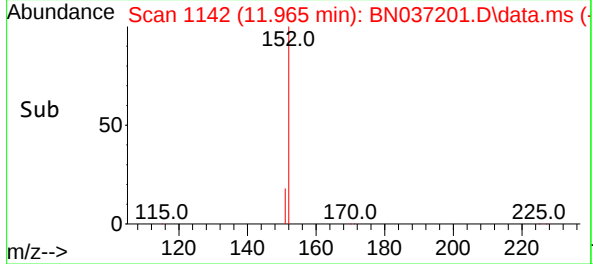
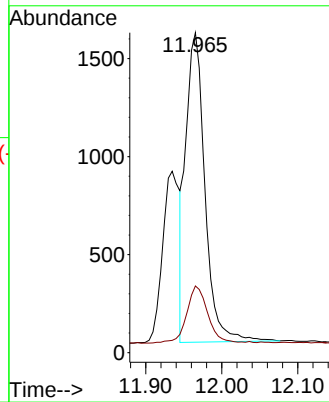
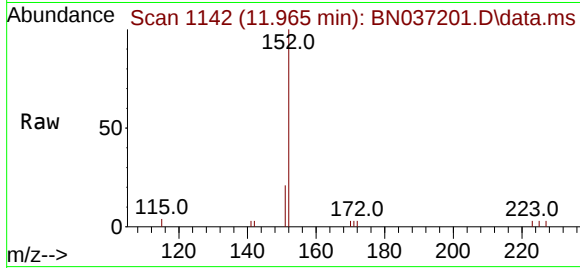




#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

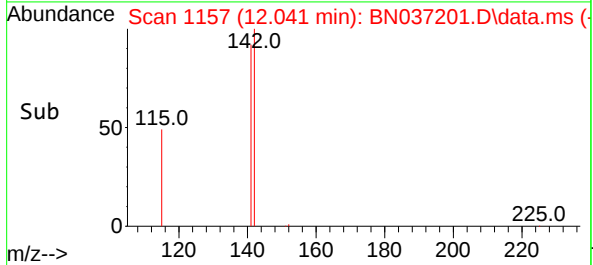
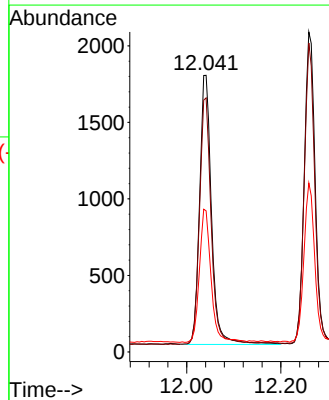
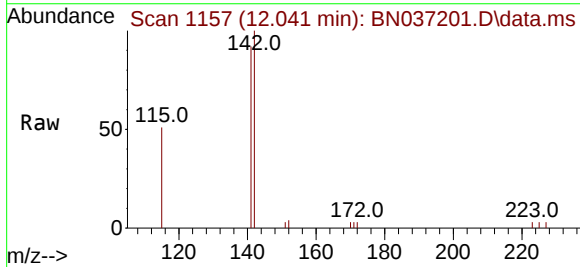
Instrument :
BNA_N
ClientSampleId :
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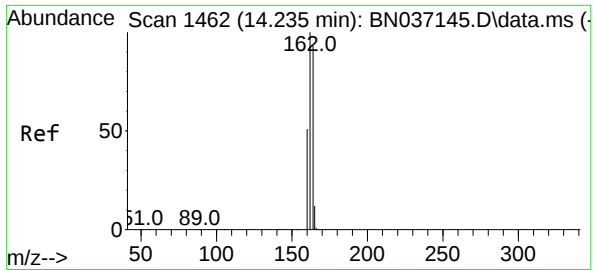
Tgt Ion:152 Resp: 2755
Ion Ratio Lower Upper
152 100
151 20.6 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:142 Resp: 3113
Ion Ratio Lower Upper
142 100
141 91.8 74.6 111.8
115 51.0 41.0 61.4

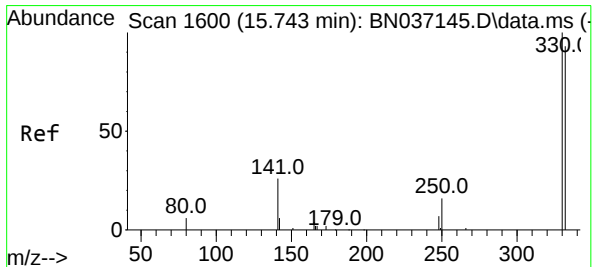
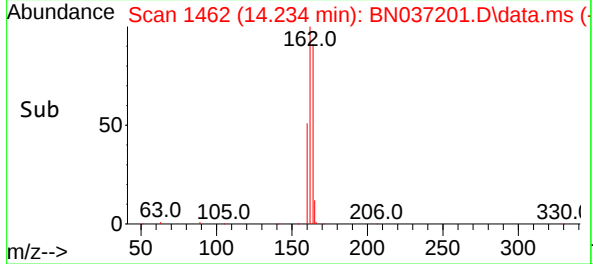
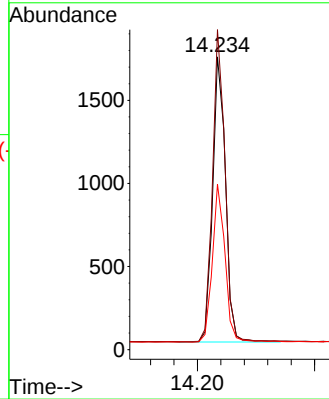
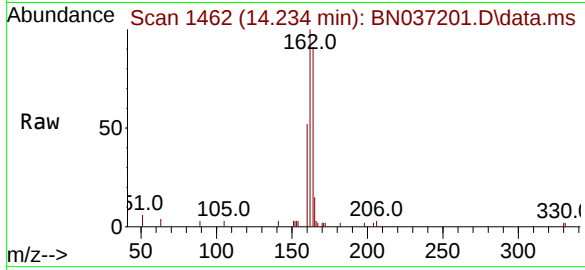




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

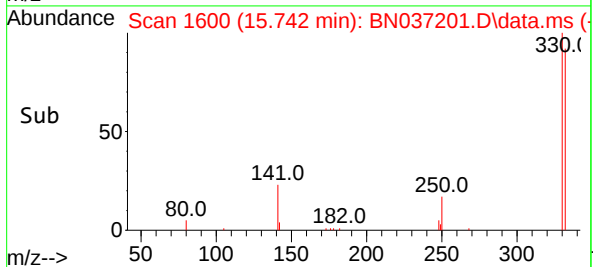
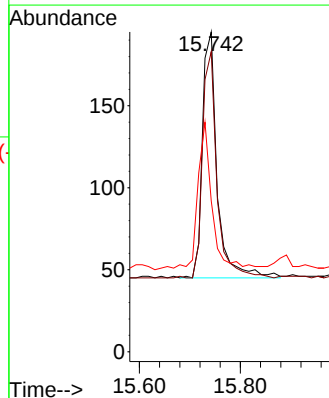
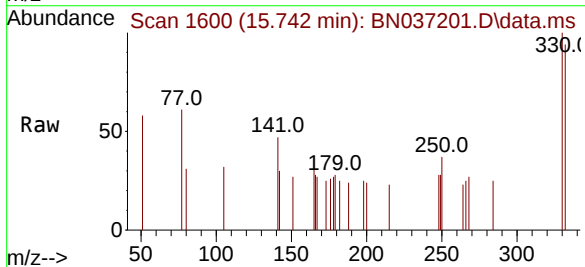
Instrument :
BNA_N
ClientSampleId :
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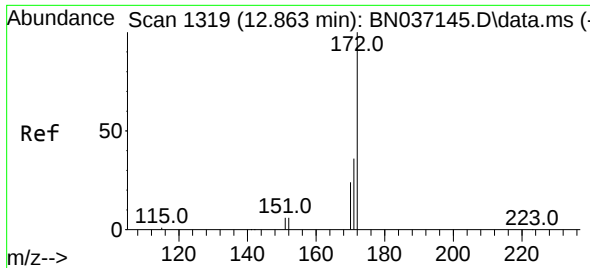
Tgt Ion:164 Resp: 2607
Ion Ratio Lower Upper
164 100
162 109.3 85.5 128.3
160 56.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.742 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:330 Resp: 307
Ion Ratio Lower Upper
330 100
332 89.9 77.1 115.7
141 58.3 46.4 69.6

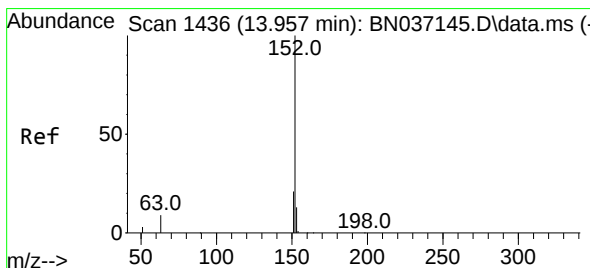
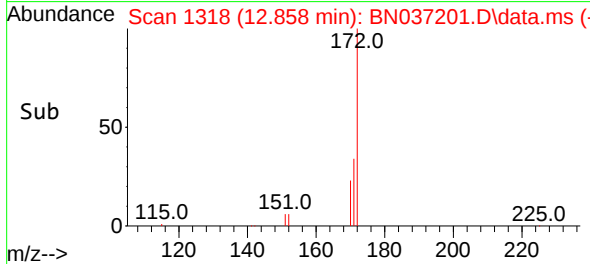
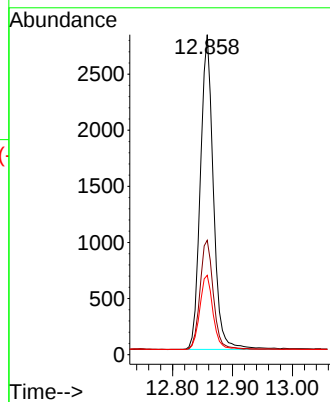
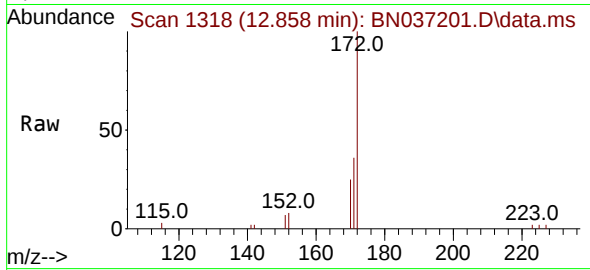




#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

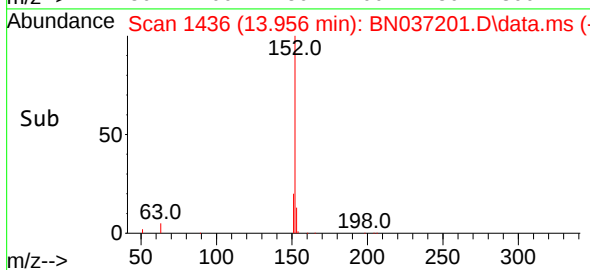
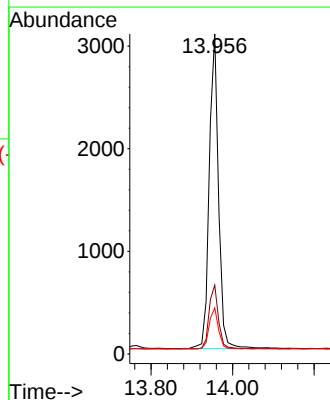
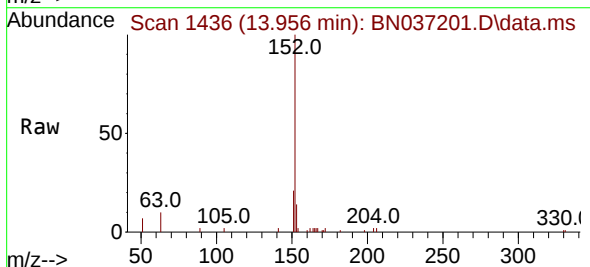
Instrument :
BNA_N
ClientSampleId :
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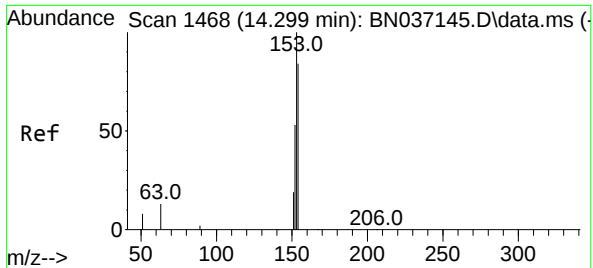
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.8	20.3	30.5



#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.1	10.6	15.8

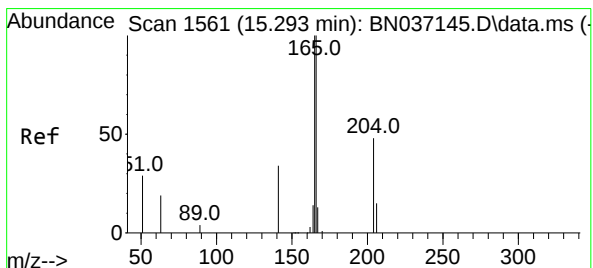
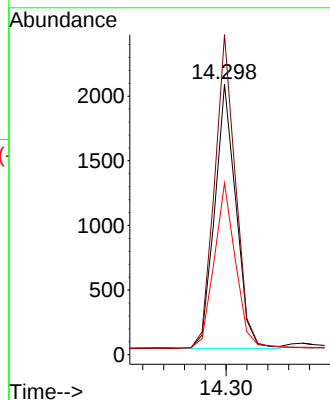
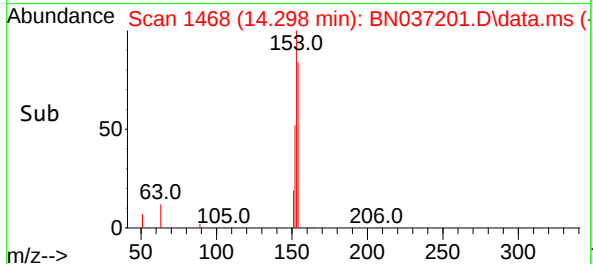
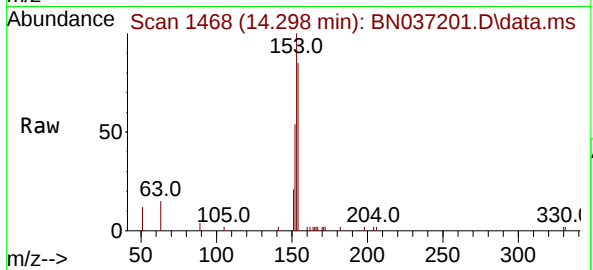




#17
Acenaphthene
Concen: 0.350 ng
RT: 14.298 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

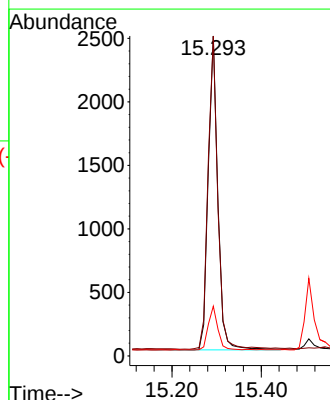
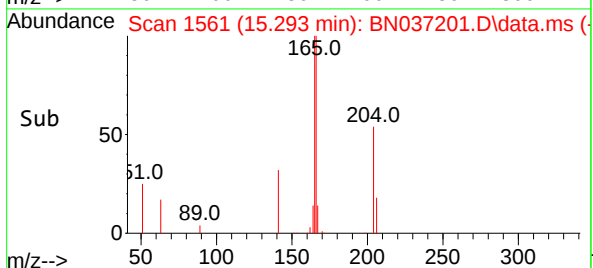
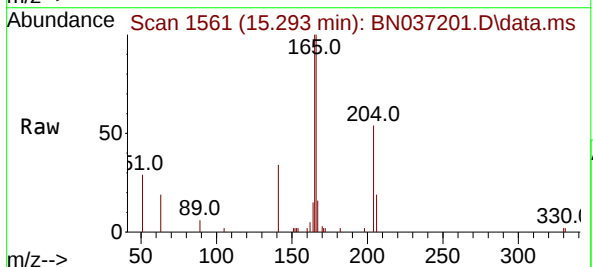
Instrument :
BNA_N
ClientSampleId :
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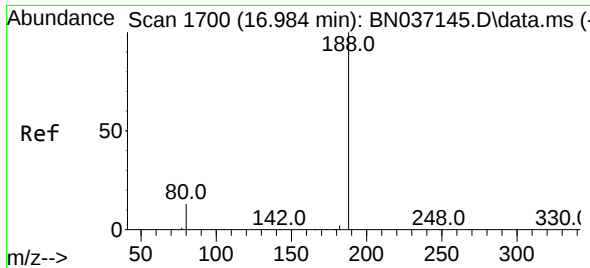
Tgt Ion:154 Resp: 2908
Ion Ratio Lower Upper
154 100
153 117.8 93.8 140.8
152 63.4 50.5 75.7



#18
Fluorene
Concen: 0.337 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:166 Resp: 3677
Ion Ratio Lower Upper
166 100
165 101.0 81.1 121.7
167 13.8 10.8 16.2

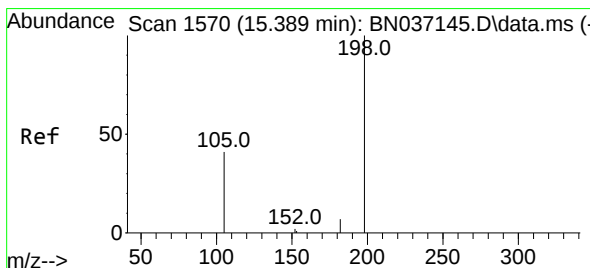
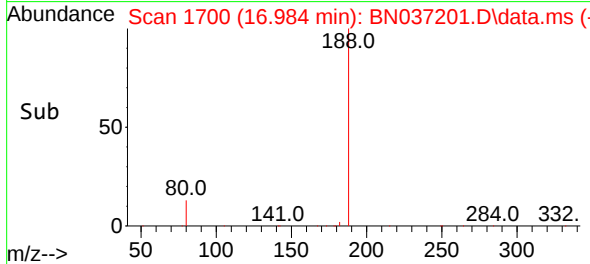
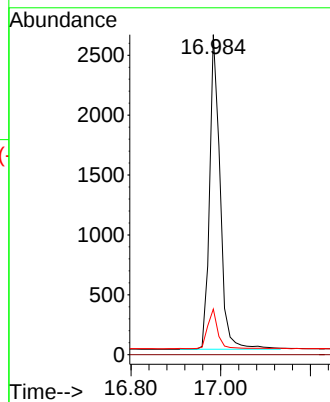
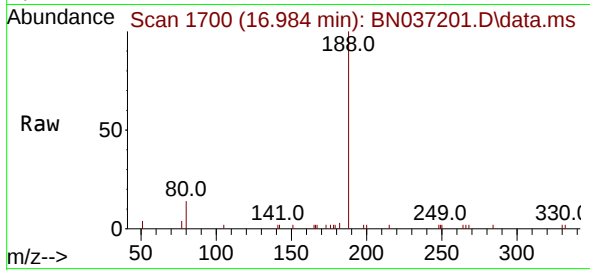




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

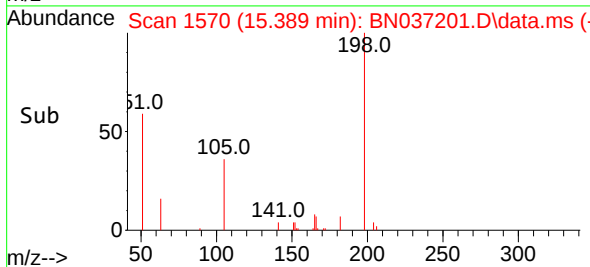
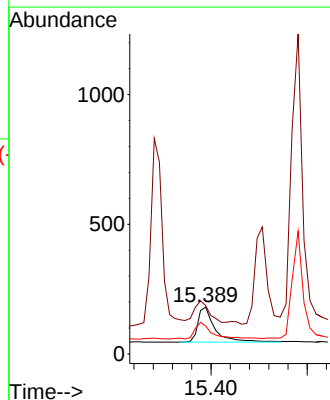
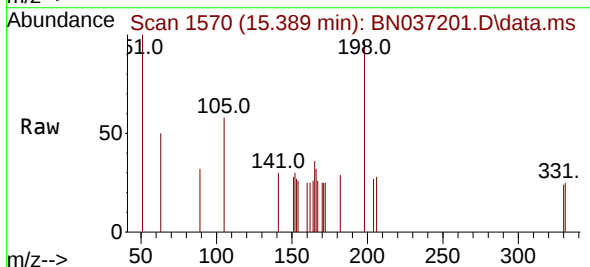
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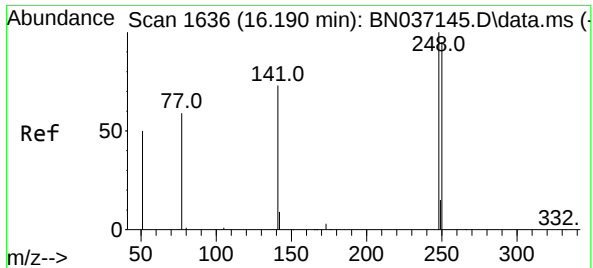
Tgt Ion:	188	Resp:	4253
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	14.3	11.3	16.9



#20
4,6-Dinitro-2-methylphenol
Concen: 0.545 ng
RT: 15.389 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:	198	Resp:	337
Ion Ratio	Lower	Upper	
198	100		
51	103.3	125.2	187.8#
105	59.7	57.1	85.7

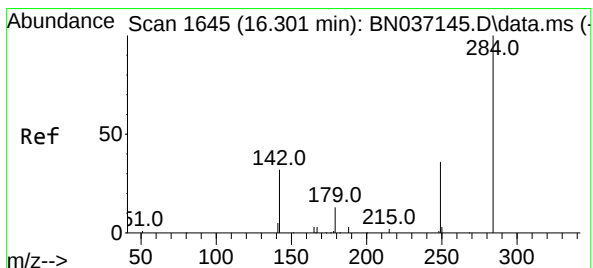
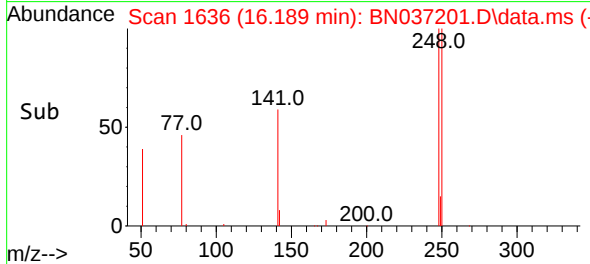
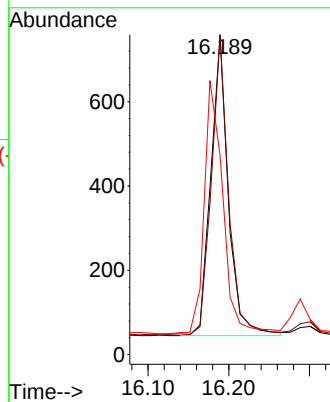
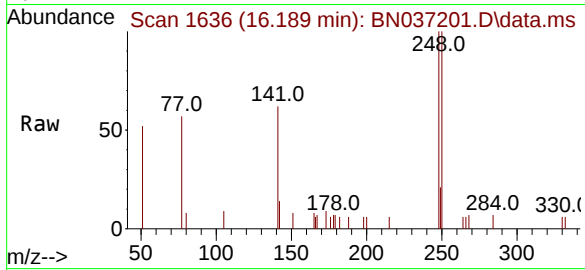




#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

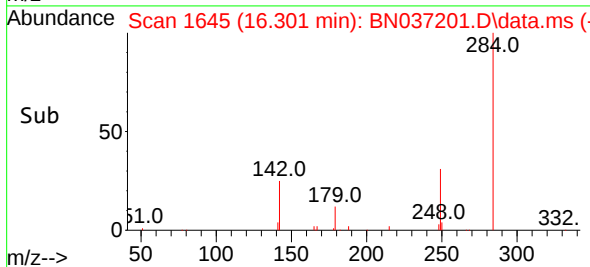
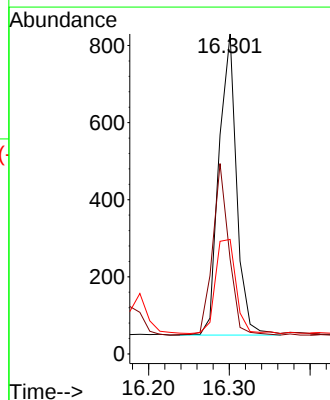
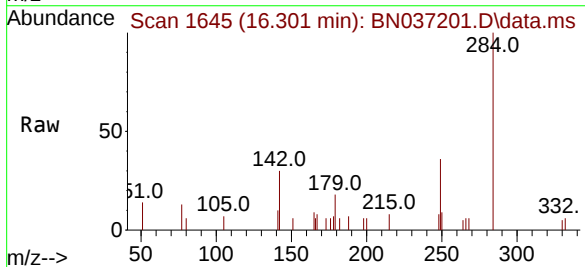
Instrument :
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ClientSampleId :
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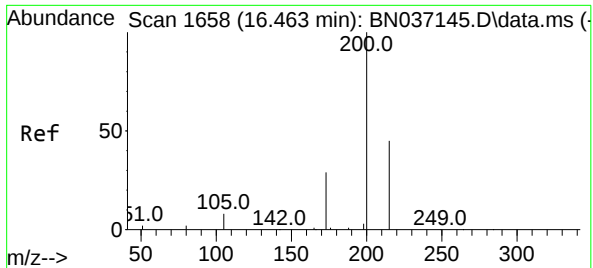
Tgt Ion:248 Resp: 1073
Ion Ratio Lower Upper
248 100
250 99.9 76.1 114.1
141 62.3 60.1 90.1



#22
Hexachlorobenzene
Concen: 0.394 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:284 Resp: 1184
Ion Ratio Lower Upper
284 100
142 53.0 44.0 66.0
249 36.7 29.7 44.5

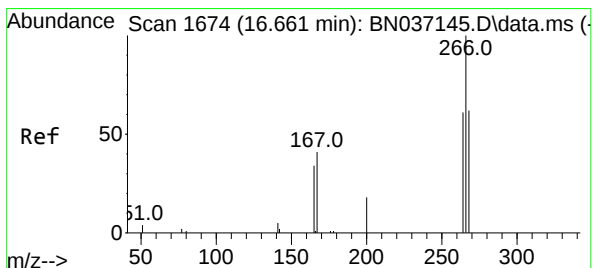
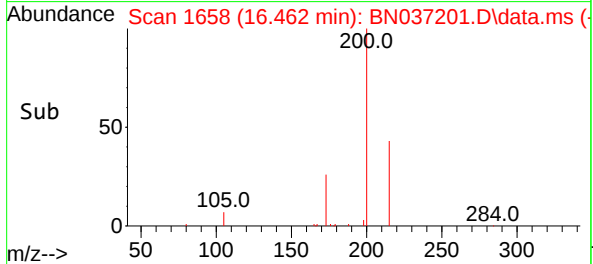
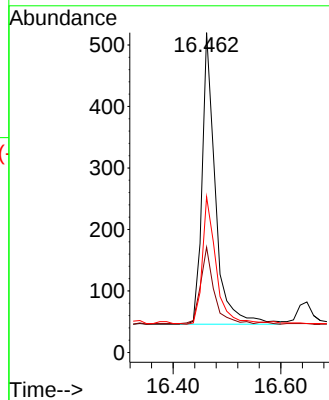
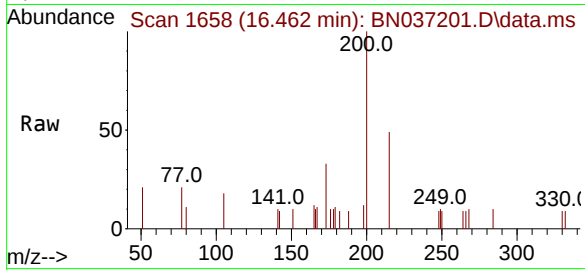




#23
Atrazine
Concen: 0.352 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

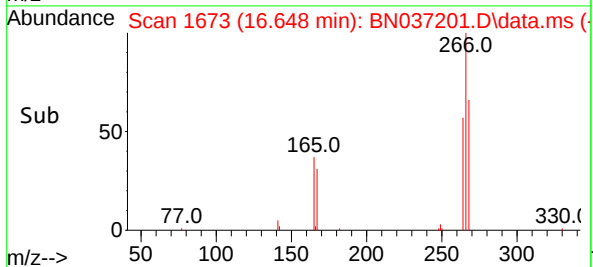
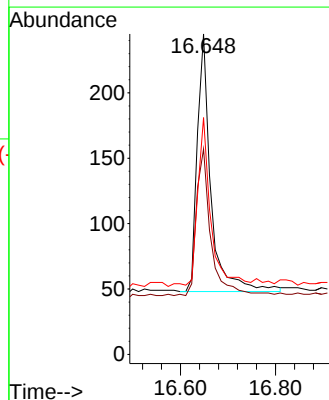
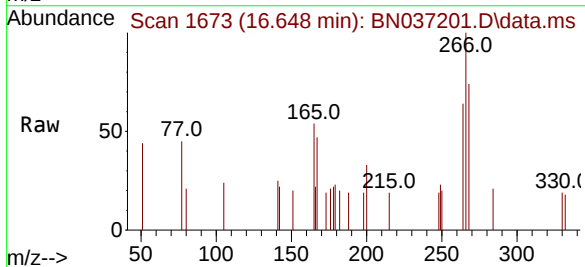
Instrument :
BNA_N
ClientSampleId :
PB168336BS

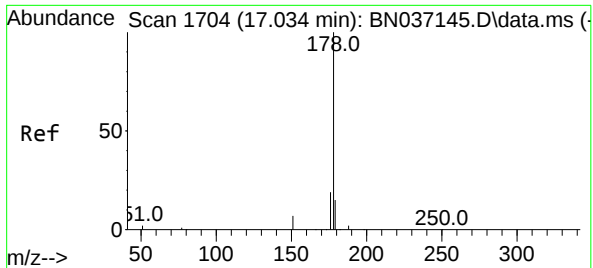
Tgt Ion	Ratio	Lower	Upper
200	100		
173	32.9	28.1	42.1
215	48.7	39.3	58.9



#24
Pentachlorophenol
Concen: 0.433 ng
RT: 16.648 min Scan# 1673
Delta R.T. -0.013 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.3	49.3	73.9
268	63.4	49.0	73.4

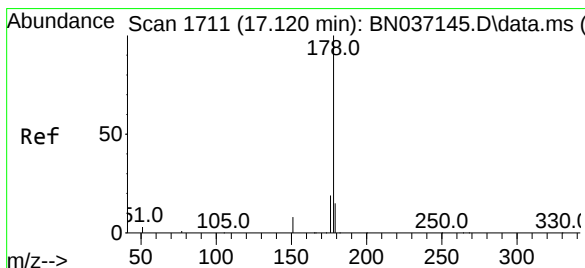
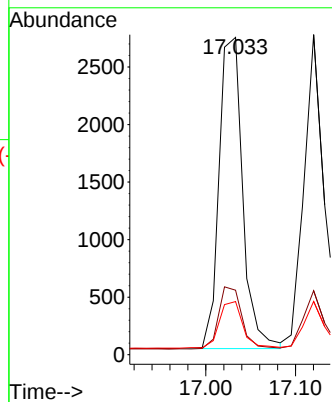
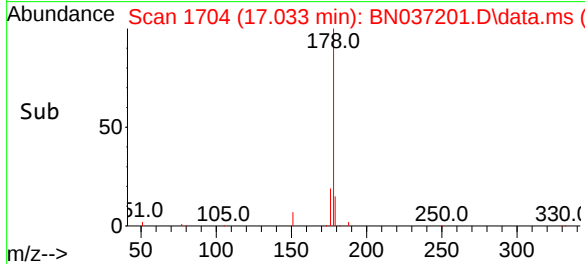
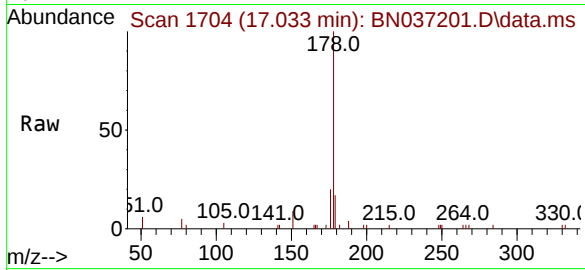




#25
Phenanthrene
Concen: 0.360 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

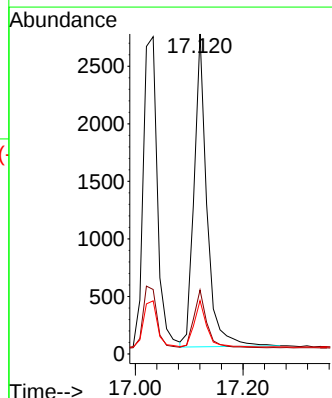
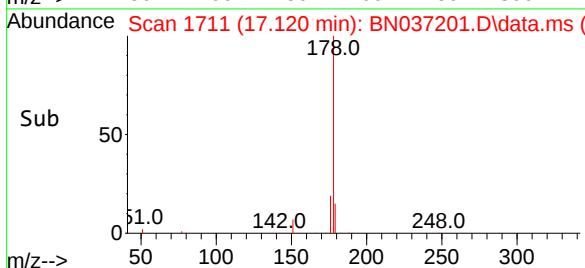
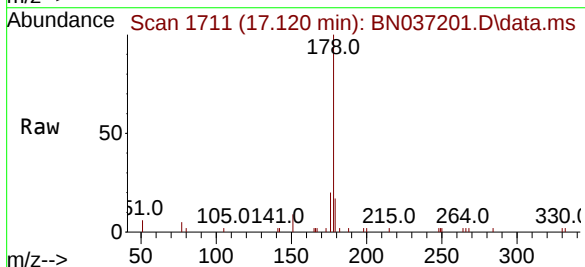
Instrument :
BNA_N
ClientSampleId :
PB168336BS

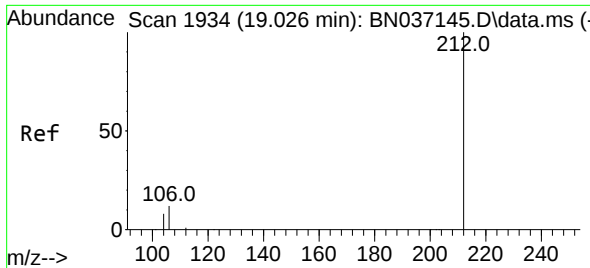
Tgt Ion:178 Resp: 4954
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.5 12.3 18.5



#26
Anthracene
Concen: 0.358 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:178 Resp: 4498
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 14.7 12.9 19.3

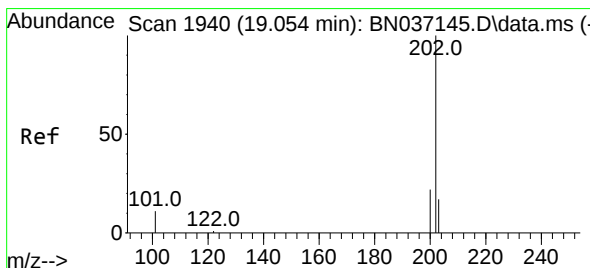
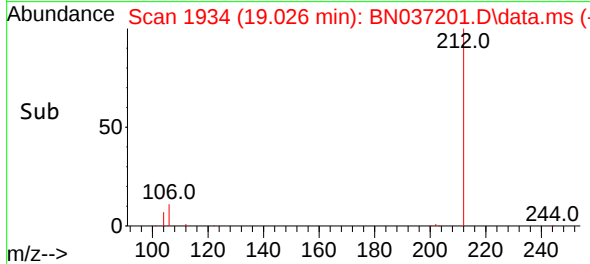
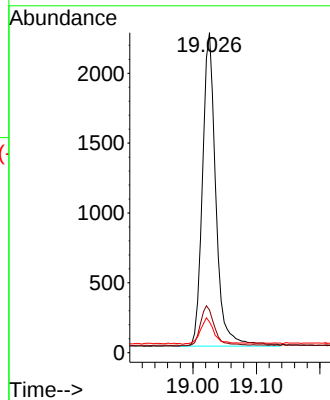
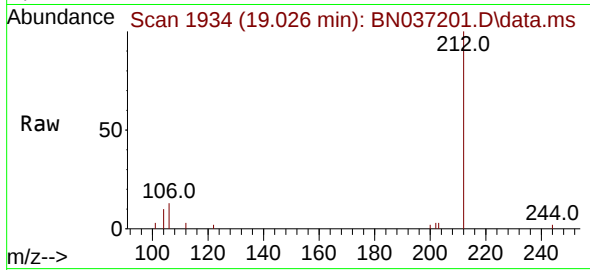




#27
Fluoranthene-d10
Concen: 0.303 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

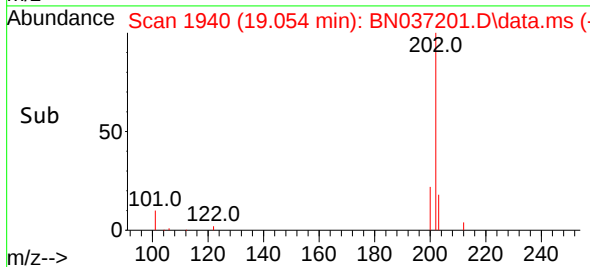
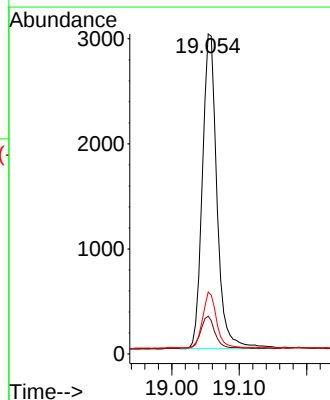
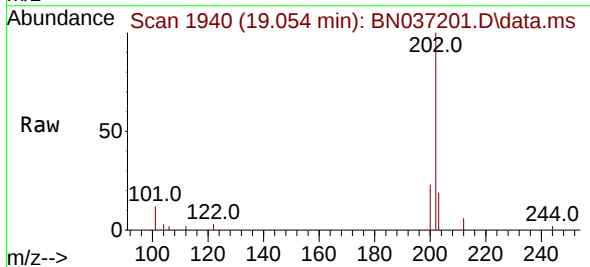
Instrument :
BNA_N
ClientSampleId :
PB168336BS

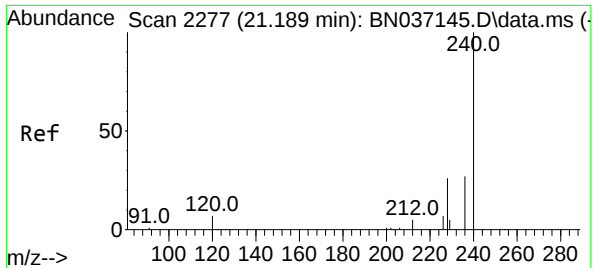
Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.2	10.6	15.8
104	8.4	6.6	9.8



#28
Fluoranthene
Concen: 0.297 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1
203	16.8	13.5	20.3

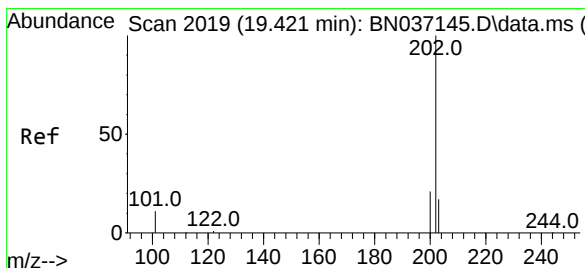
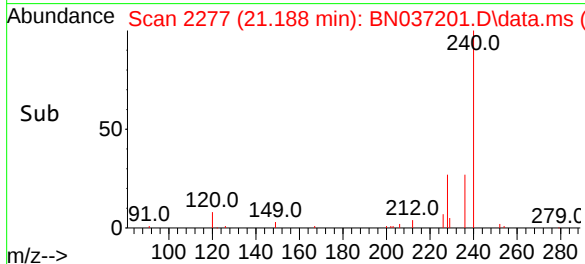
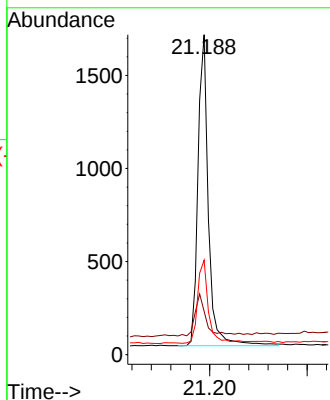
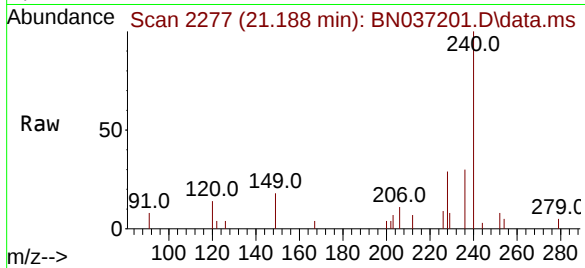




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.188 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

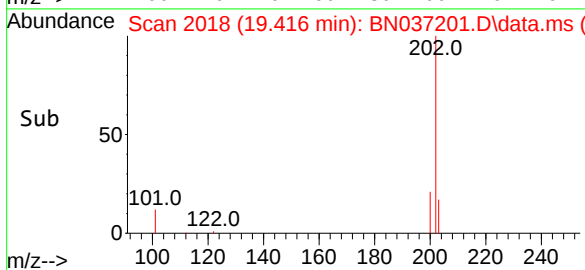
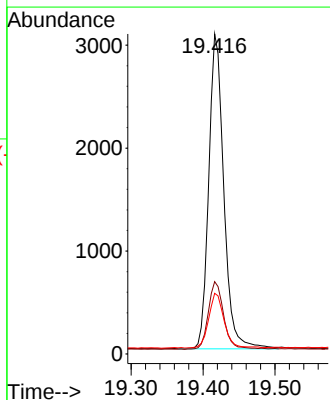
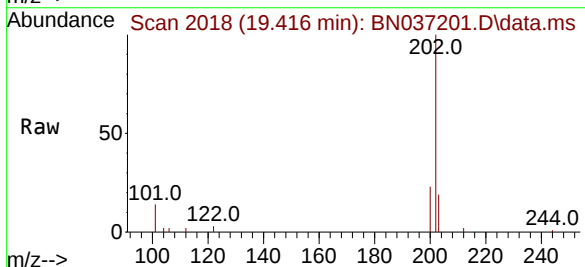
Instrument :
BNA_N
ClientSampleId :
PB168336BS

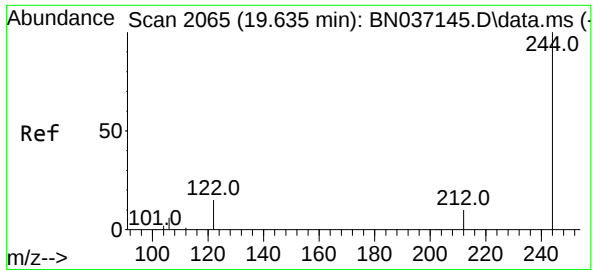
Tgt Ion:240 Resp: 2468
Ion Ratio Lower Upper
240 100
120 13.6 9.0 13.4#
236 29.6 23.0 34.4



#30
Pyrene
Concen: 0.369 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:202 Resp: 4443
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 17.9 14.2 21.4

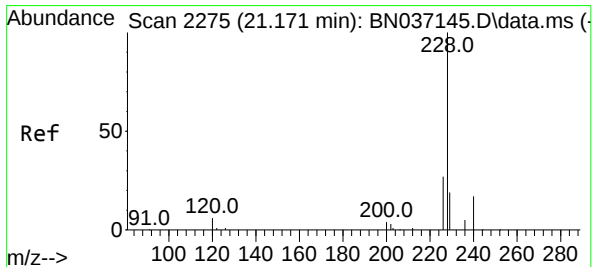
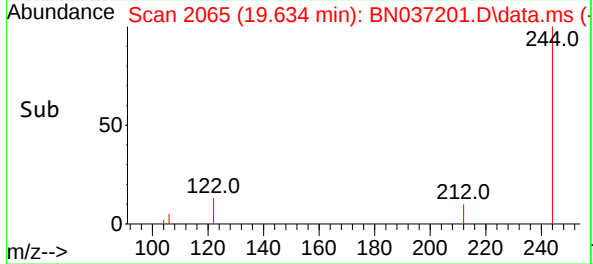
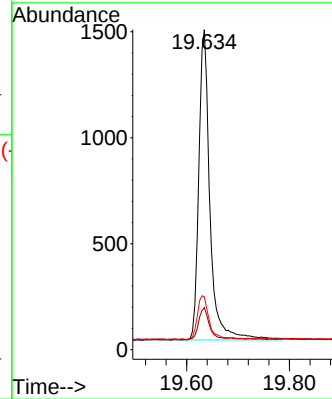
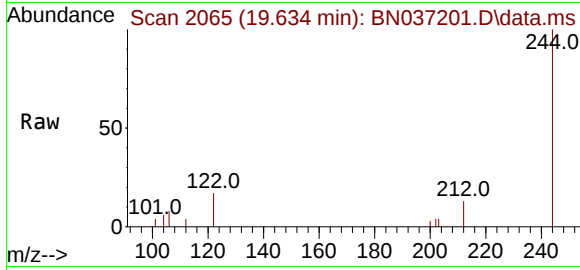




#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.634 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

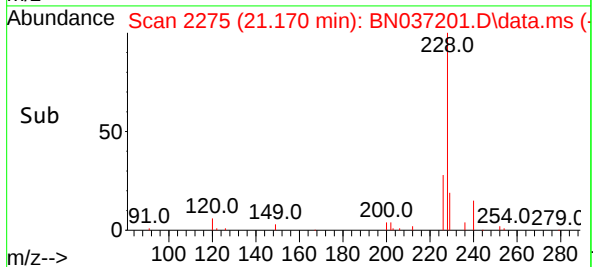
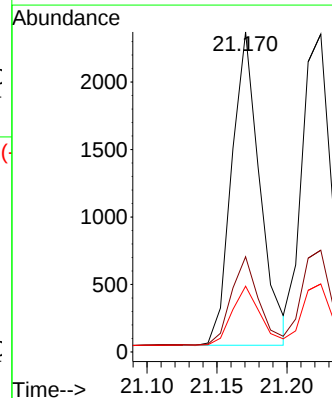
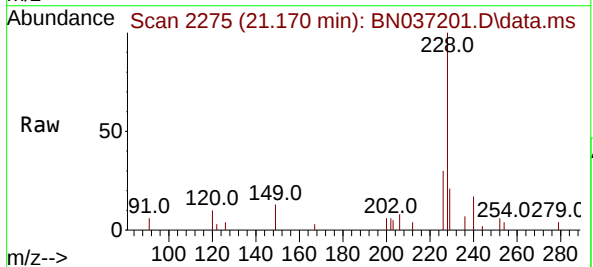
Instrument :
BNA_N
ClientSampleId :
PB168336BS

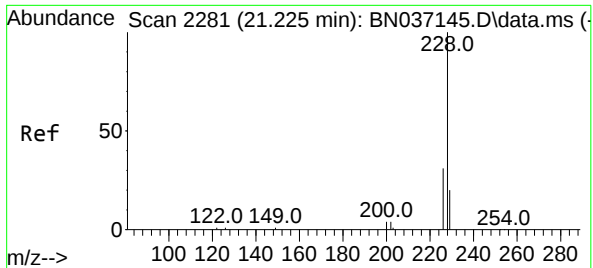
Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.2	10.0	15.0
122	16.6	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.364 ng
RT: 21.170 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.5	16.2	24.2

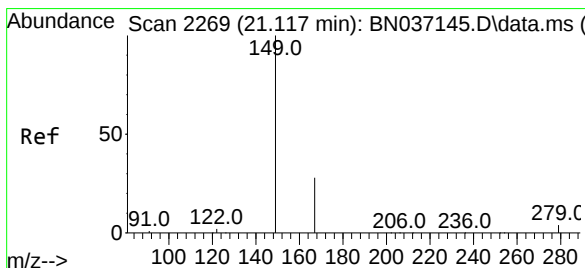
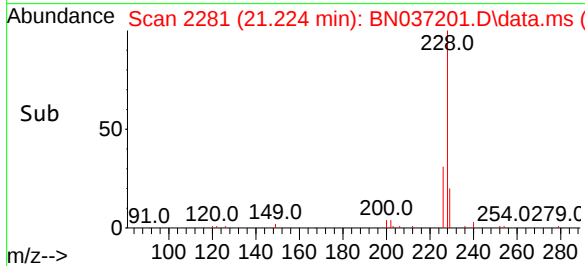
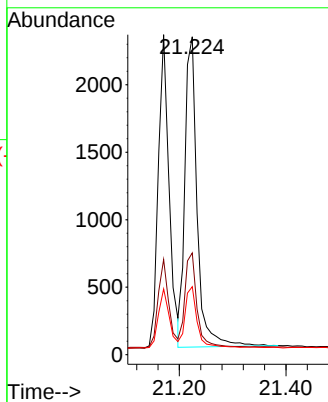
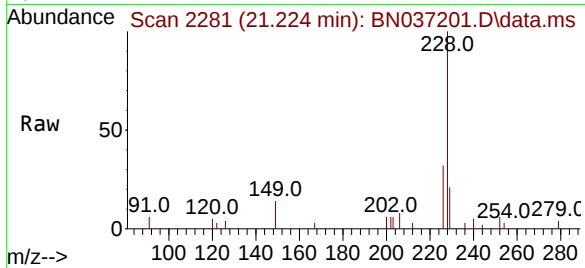




#33
Chrysene
Concen: 0.368 ng
RT: 21.224 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

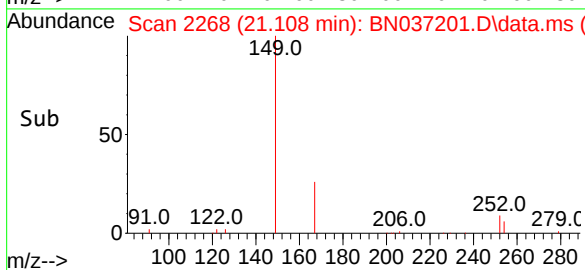
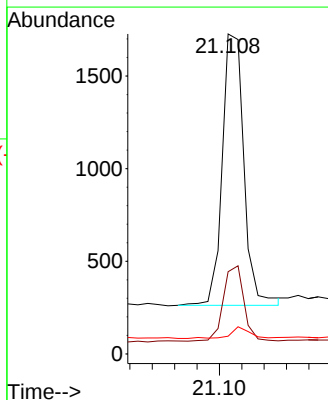
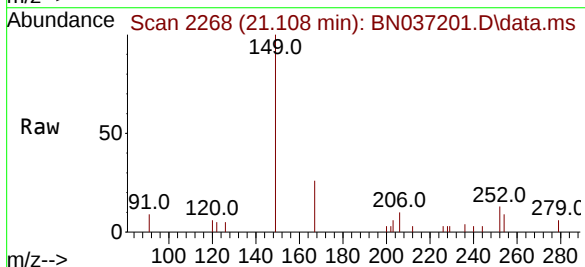
Instrument :
BNA_N
ClientSampleId :
PB168336BS

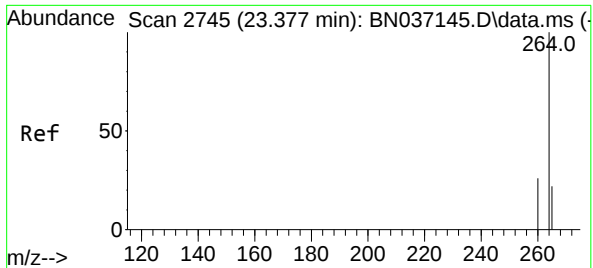
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.2	37.8
229	21.4	16.8	25.2



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.350 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

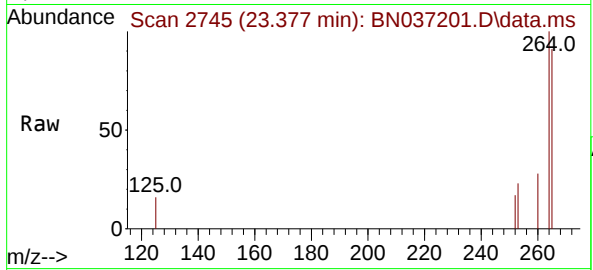
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.0	31.4
279	3.6	2.9	4.3



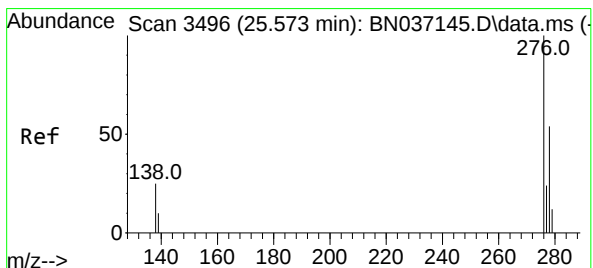
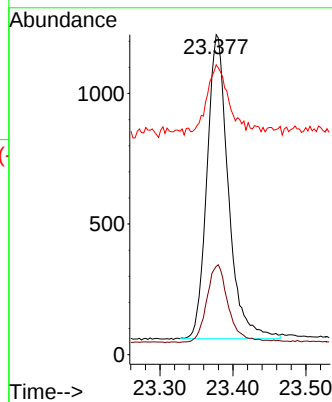
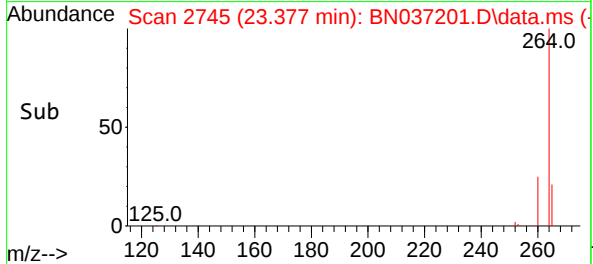


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Instrument :
BNA_N
ClientSampleId :
PB168336BS

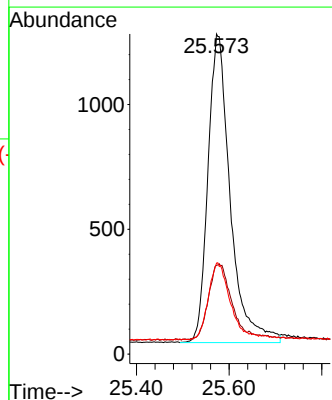
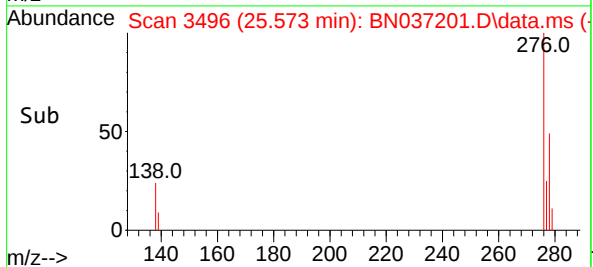
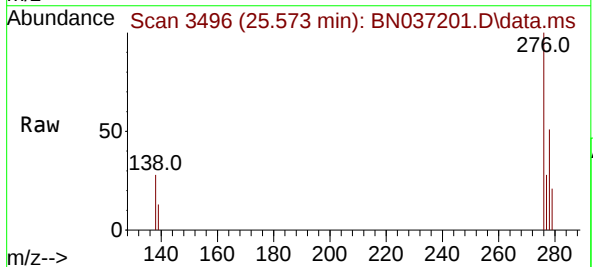


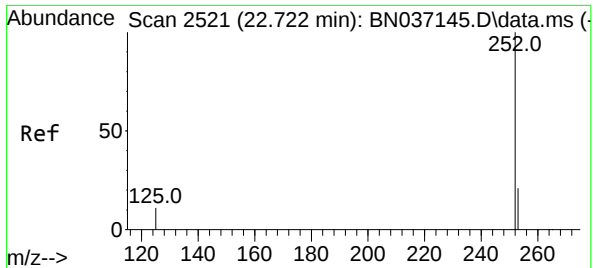
Tgt Ion:264 Resp: 2373
Ion Ratio Lower Upper
264 100
260 27.6 22.1 33.1
265 90.6 55.8 83.8#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng
RT: 25.573 min Scan# 3496
Delta R.T. -0.000 min
Lab File: BN037201.D
Acq: 09 Jun 2025 20:40

Tgt Ion:276 Resp: 4127
Ion Ratio Lower Upper
276 100
138 24.5 21.0 31.6
277 24.4 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.346 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037201.D

Acq: 09 Jun 2025 20:40

Instrument :

BNA_N

ClientSampleId :

PB168336BS

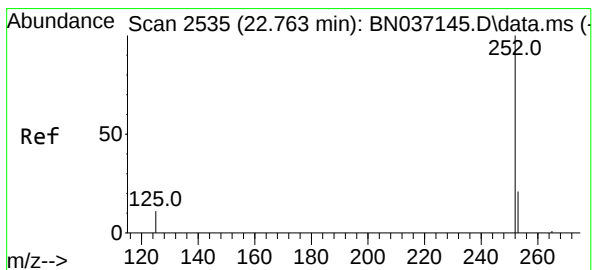
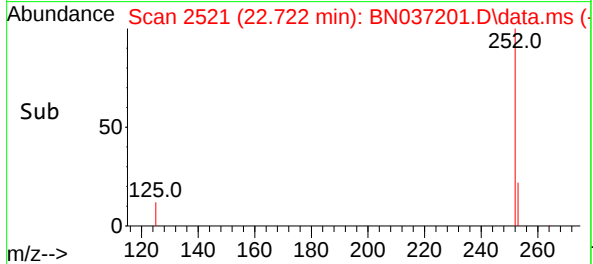
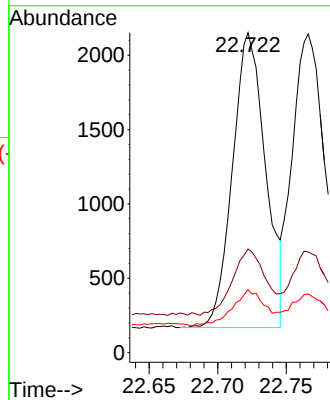
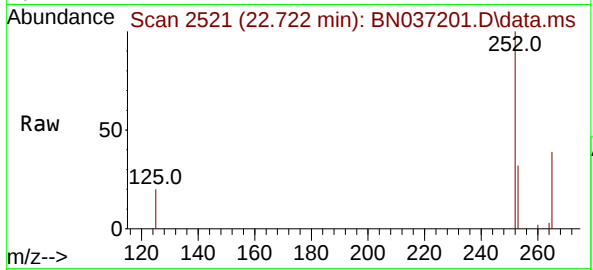
Tgt Ion:252 Resp: 3317

Ion Ratio Lower Upper

252 100

253 32.4 22.3 33.5

125 19.7 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.360 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037201.D

Acq: 09 Jun 2025 20:40

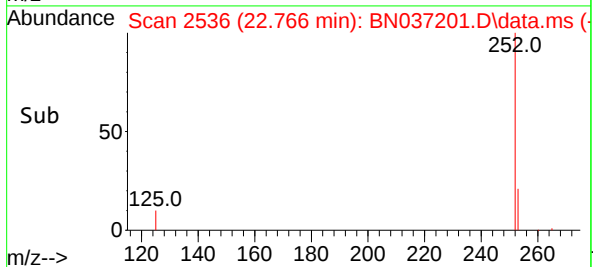
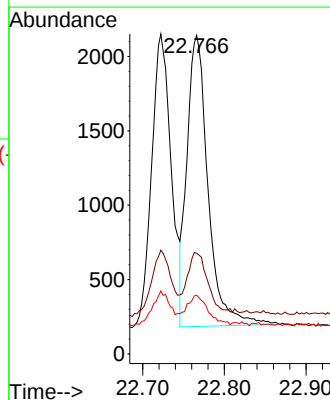
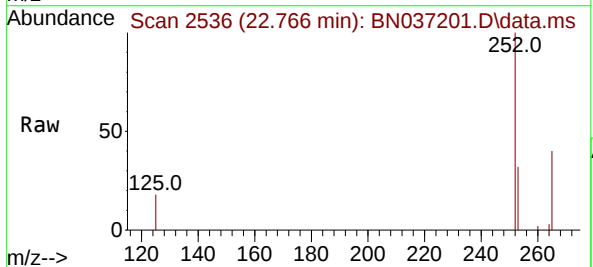
Tgt Ion:252 Resp: 3519

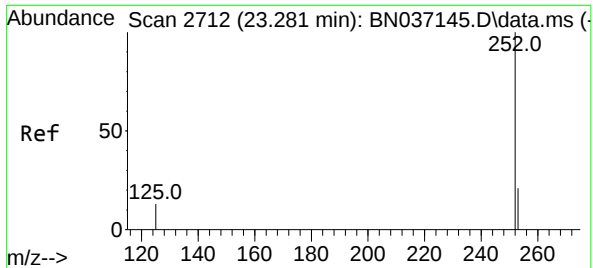
Ion Ratio Lower Upper

252 100

253 31.6 22.2 33.4

125 18.4 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.283 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037201.D

Acq: 09 Jun 2025 20:40

Instrument :

BNA_N

ClientSampleId :

PB168336BS

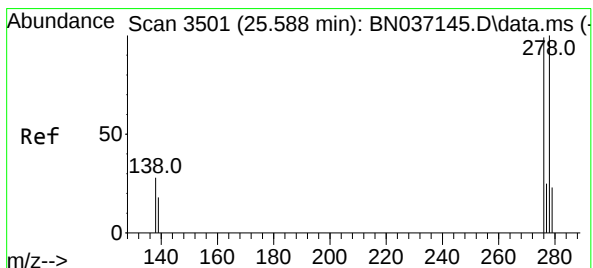
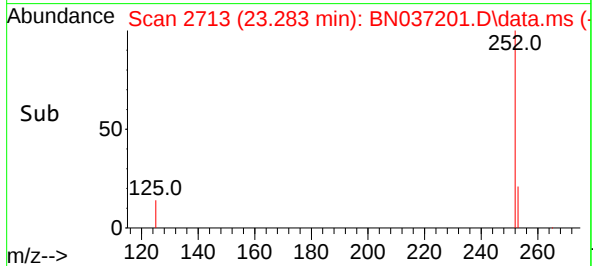
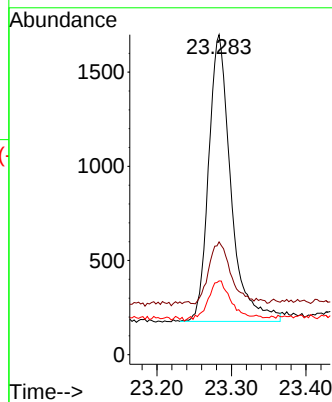
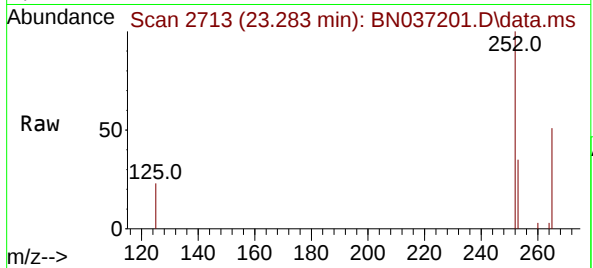
Tgt Ion:252 Resp: 3154

Ion Ratio Lower Upper

252 100

253 35.3 25.0 37.4

125 23.1 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.442 ng

RT: 25.590 min Scan# 3502

Delta R.T. 0.003 min

Lab File: BN037201.D

Acq: 09 Jun 2025 20:40

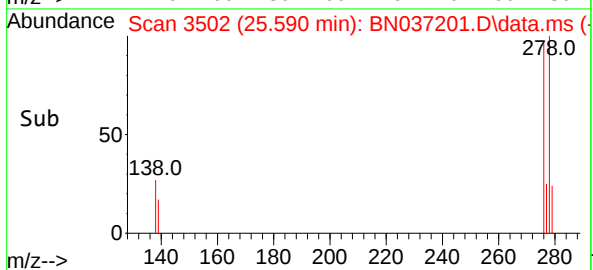
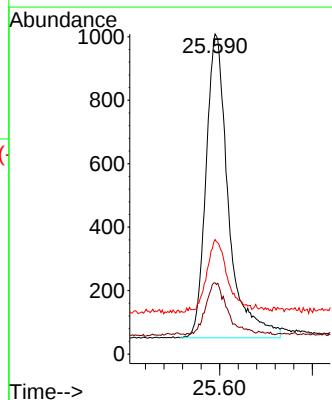
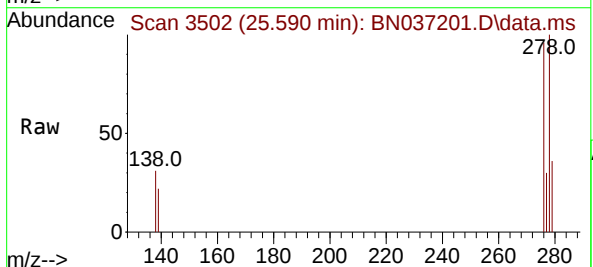
Tgt Ion:278 Resp: 3219

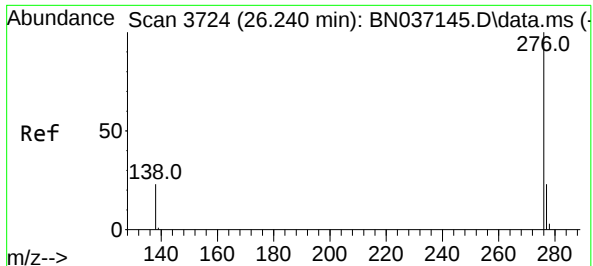
Ion Ratio Lower Upper

278 100

139 22.2 17.6 26.4

279 35.8 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.422 ng

RT: 26.248 min Scan# 31

Delta R.T. 0.008 min

Lab File: BN037201.D

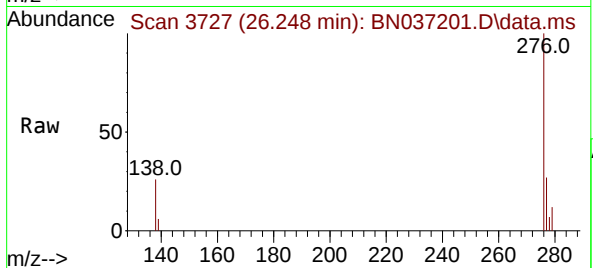
Acq: 09 Jun 2025 20:40

Instrument :

BNA_N

ClientSampleId :

PB168336BS



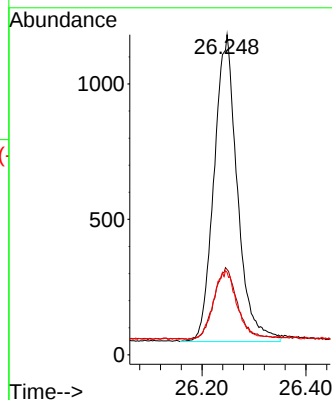
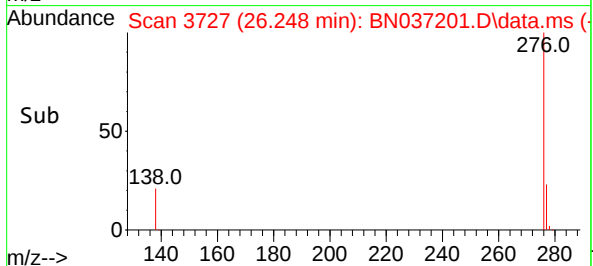
Tgt Ion:276 Resp: 3529

Ion Ratio Lower Upper

276 100

277 26.6 20.9 31.3

138 25.8 20.8 31.2



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MS	SDG No.:	Q2234
Lab Sample ID:	Q2250-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037192.D	1	06/06/25 11:54	06/09/25 14:33	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.20		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	118%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.589			
1146-65-2	Naphthalene-d8	5670	10.361			
15067-26-2	Acenaphthene-d10	2990	14.234			
1517-22-2	Phenanthrene-d10	5390	16.984			
1719-03-5	Chrysene-d12	3450	21.188			
1520-96-3	Perylene-d12	3180	23.38			

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_N\Data\BN060925\
 Data File : BN037192.D
 Acq On : 09 Jun 2025 14:33
 Operator : RC/JU
 Sample : Q2250-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11A-13.5-060525MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 15:40:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2144	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5670	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2991	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5389	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3448	0.400	ng	0.00
35) Perylene-d12	23.380	264	3177	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	842	0.159	ng	0.00
5) Phenol-d6	6.766	99	649	0.101	ng	0.00
8) Nitrobenzene-d5	8.739	82	1888	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2380m	0.302	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	466	0.387	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4371	0.343	ng	0.00
27) Fluoranthene-d10	19.026	212	5042	0.368	ng	0.00
31) Terphenyl-d14	19.630	244	3837	0.473	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.111	88	8692	3.041	ng	94
3) n-Nitrosodimethylamine	3.429	42	693	0.121	ng	# 80
6) bis(2-Chloroethyl)ether	7.019	93	2028	0.331	ng	96
9) Naphthalene	10.415	128	5151	0.315	ng	99
10) Hexachlorobutadiene	10.703	225	918	0.258	ng	# 100
12) 2-Methylnaphthalene	12.036	142	3206	0.306	ng	98
16) Acenaphthylene	13.956	152	5430	0.370	ng	100
17) Acenaphthene	14.299	154	3253	0.342	ng	99
18) Fluorene	15.293	166	4617	0.369	ng	98
20) 4,6-Dinitro-2-methylph...	15.378	198	513	0.599	ng	# 58
21) 4-Bromophenyl-phenylether	16.189	248	1414	0.400	ng	# 83
22) Hexachlorobenzene	16.301	284	1382	0.363	ng	99
23) Atrazine	16.462	200	1269	0.435	ng	# 91
24) Pentachlorophenol	16.636	266	1565	0.901	ng	98
25) Phenanthrene	17.021	178	7297	0.418	ng	99
26) Anthracene	17.120	178	6246	0.392	ng	98
28) Fluoranthene	19.054	202	7085	0.367	ng	# 97
30) Pyrene	19.416	202	7143	0.424	ng	99
32) Benzo(a)anthracene	21.171	228	5416	0.434	ng	99
33) Chrysene	21.224	228	5649	0.407	ng	100
34) Bis(2-ethylhexyl)phtha...	21.117	149	3531	0.448	ng	99
36) Indeno(1,2,3-cd)pyrene	25.576	276	5130	0.406	ng	99
37) Benzo(b)fluoranthene	22.725	252	4923m	0.384	ng	
38) Benzo(k)fluoranthene	22.766	252	4787	0.366	ng	94
39) Benzo(a)pyrene	23.284	252	4119	0.383	ng	93
40) Dibenzo(a,h)anthracene	25.590	278	4003	0.411	ng	100
41) Benzo(g,h,i)perylene	26.245	276	4218	0.377	ng	99

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

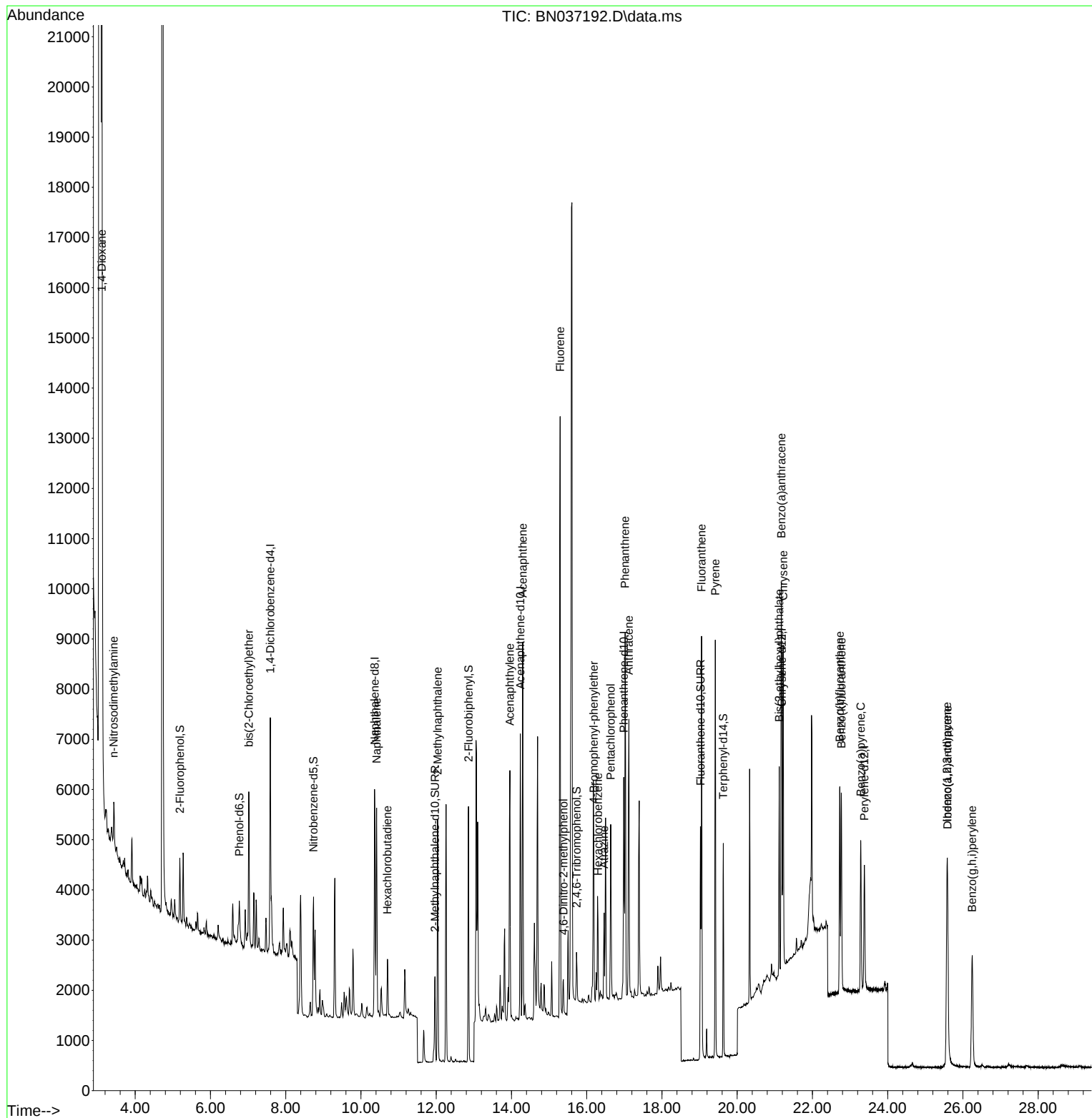
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037192.D
 Acq On : 09 Jun 2025 14:33
 Operator : RC/JU
 Sample : Q2250-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

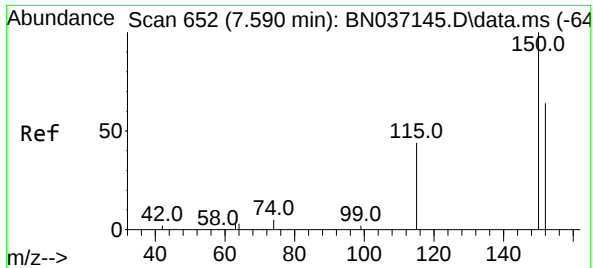
Instrument :
 BNA_N
 ClientSampleId :
 MW-11A-13.5-060525MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

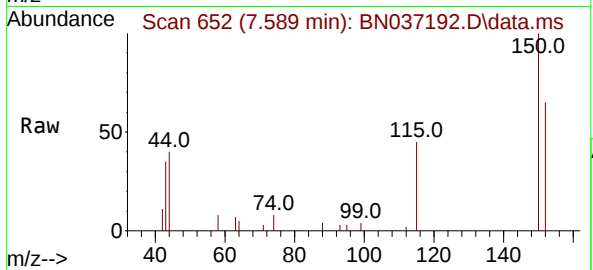
Quant Time: Jun 09 15:40:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

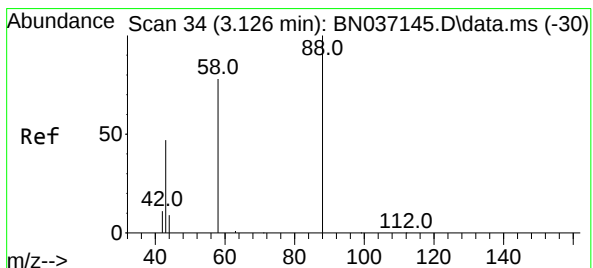
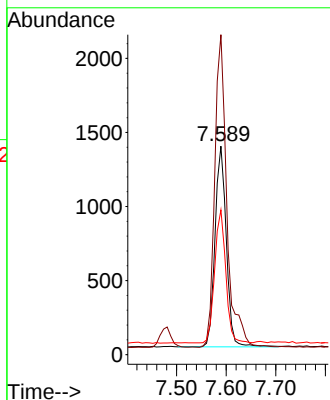
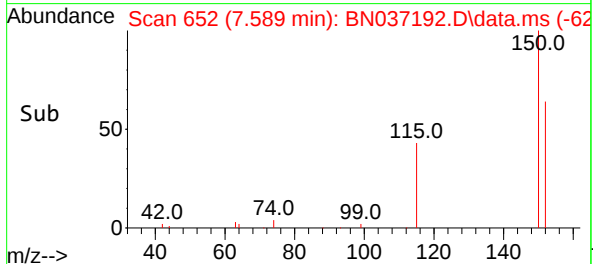
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:152 Resp: 214
Ion Ratio Lower Upper
152 100
150 153.5 123.2 184.8
115 69.4 56.6 85.0

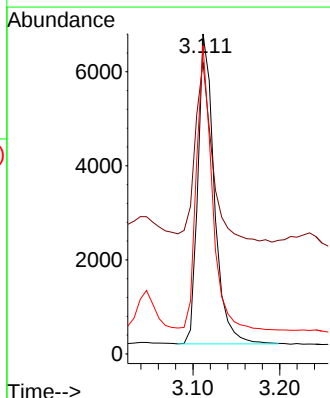
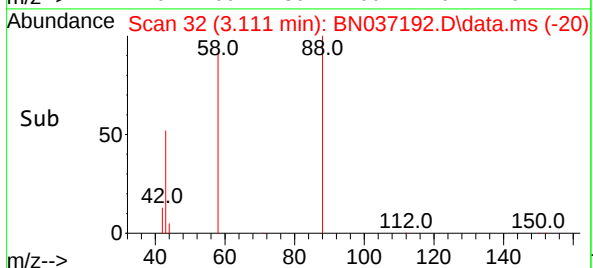
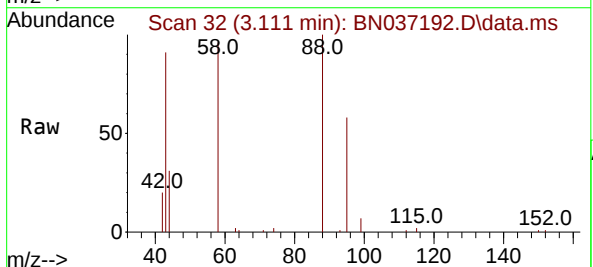
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

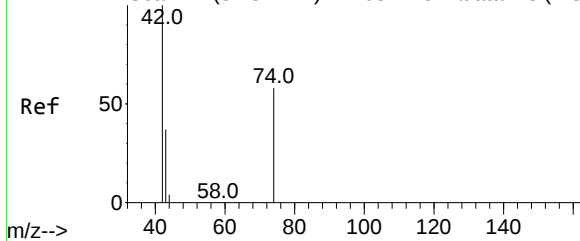


#2
1,4-Dioxane
Concen: 3.041 ng
RT: 3.111 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

Tgt Ion: 88 Resp: 8692
Ion Ratio Lower Upper
88 100
43 62.0 43.5 65.3
58 87.9 67.7 101.5



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.121 ng

RT: 3.429 min Scan# 70

Delta R.T. -0.007 min

Lab File: BN037192.D

Acq: 09 Jun 2025 14:33

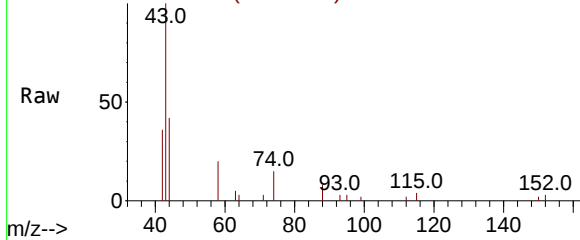
Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MS

Abundance Scan 76 (3.429 min): BN037192.D\data.ms



Tgt Ion: 42 Resp: 69

Ion Ratio Lower Upper

42 100

74 81.1 53.0 79.4

44 19.9 5.9 8.9

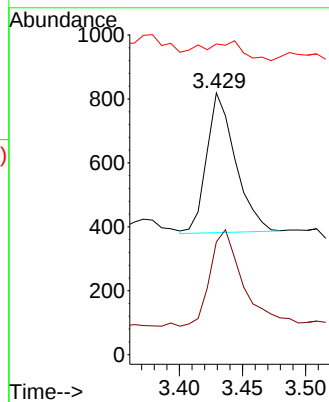
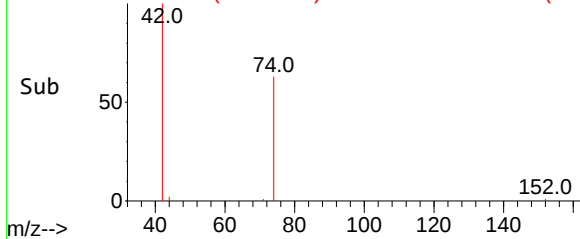
Manual Integrations

APPROVED

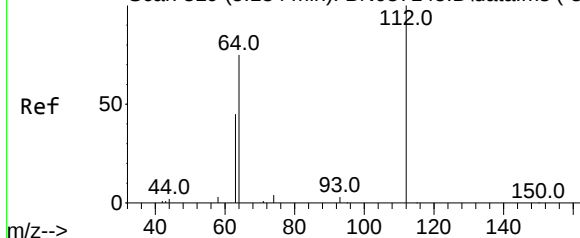
Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025

Abundance Scan 76 (3.429 min): BN037192.D\data.ms (-56)



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.159 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037192.D

Acq: 09 Jun 2025 14:33

Tgt Ion:112 Resp: 842

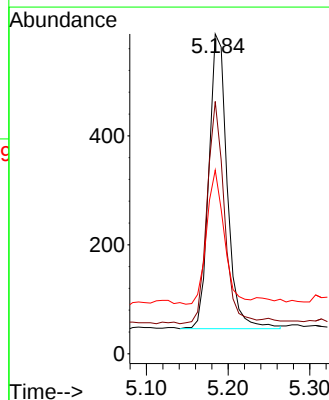
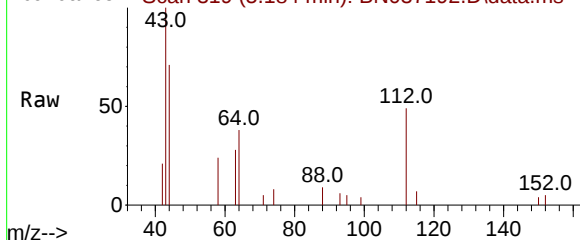
Ion Ratio Lower Upper

112 100

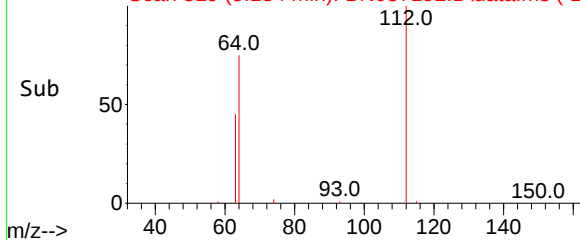
64 71.0 56.3 84.5

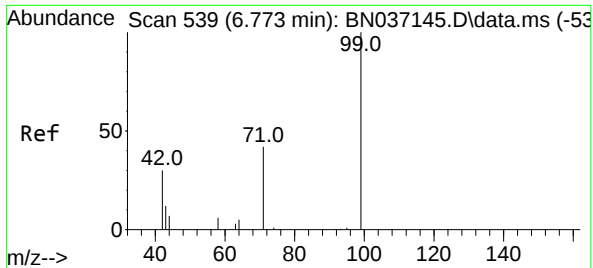
63 44.7 36.2 54.4

Abundance Scan 319 (5.184 min): BN037192.D\data.ms



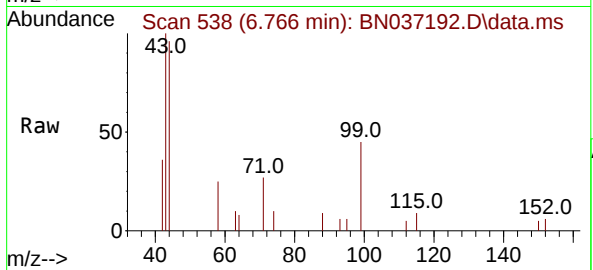
Abundance Scan 319 (5.184 min): BN037192.D\data.ms (-29)





#5
Phenol-d6
Concen: 0.101 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

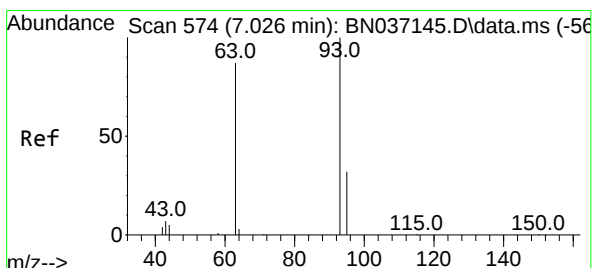
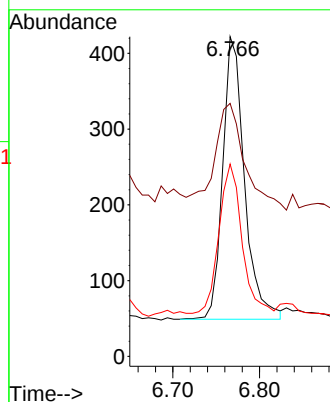
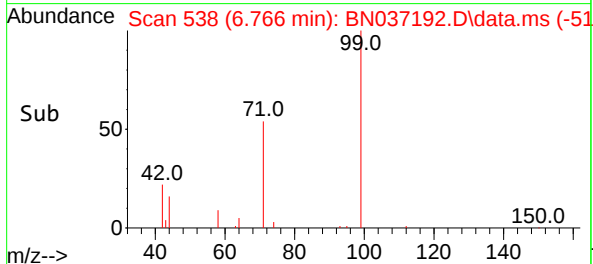
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion: 99 Resp: 649
Ion Ratio Lower Upper
99 100
42 53.5 31.3 46.9
71 57.5 38.2 57.2

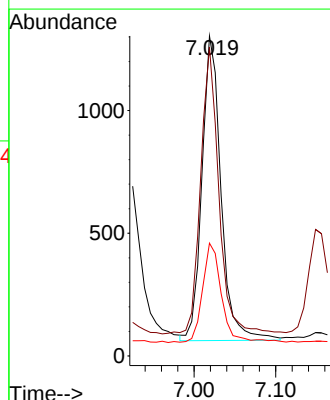
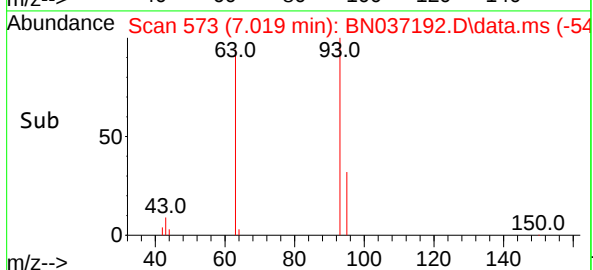
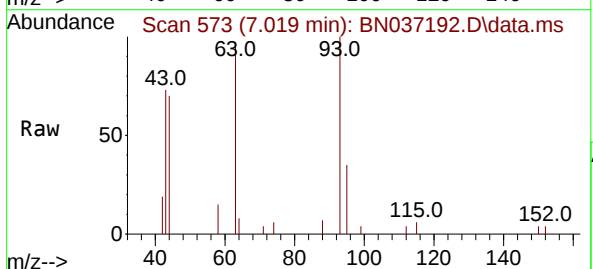
Manual Integrations
APPROVED

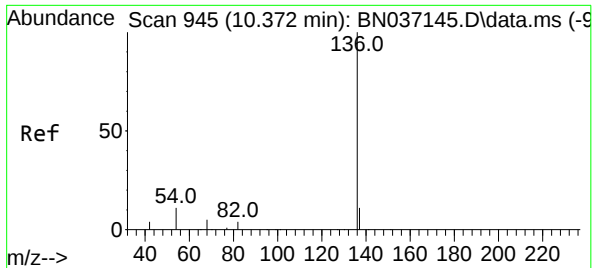
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.331 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

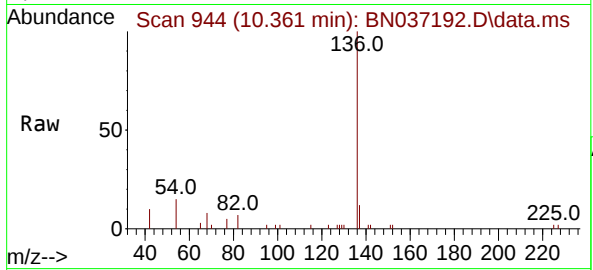
Tgt Ion: 93 Resp: 2028
Ion Ratio Lower Upper
93 100
63 89.6 68.6 103.0
95 32.3 24.3 36.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

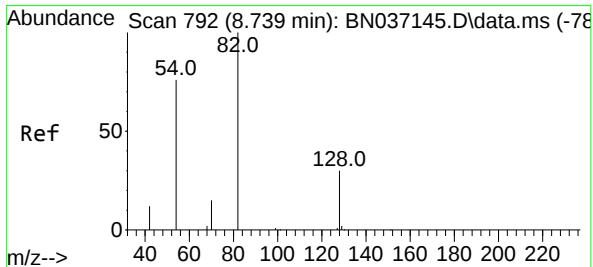
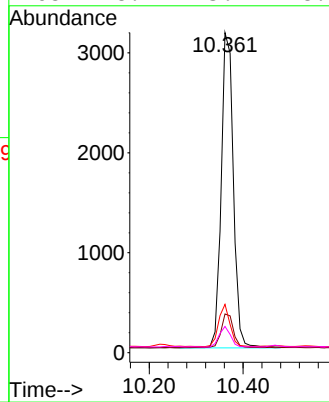
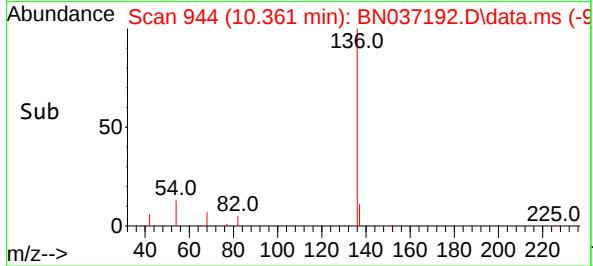
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:136 Resp: 5670
Ion Ratio Lower Upper
136 100
137 12.1 9.7 14.5
54 15.1 9.7 14.5
68 8.2 5.4 8.2#

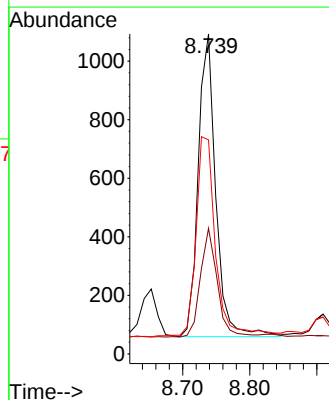
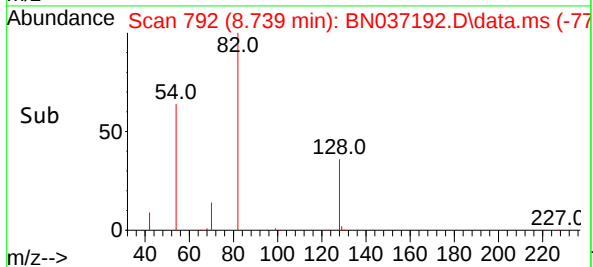
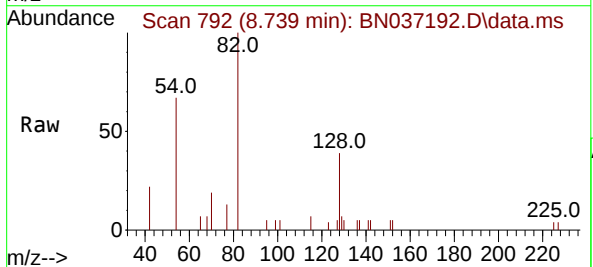
Manual Integrations
APPROVED

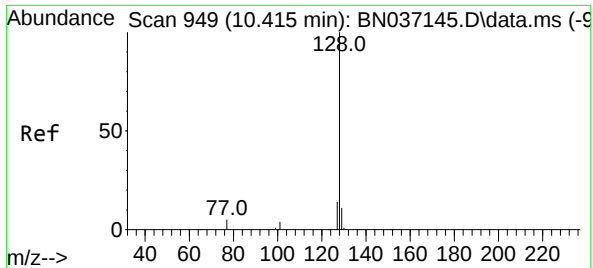
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

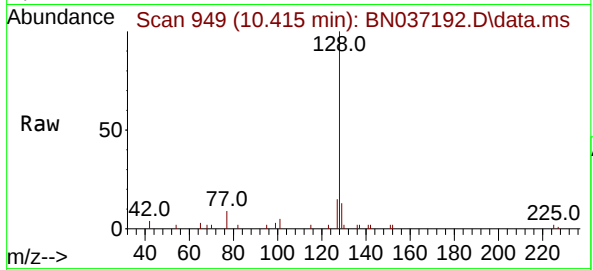
Tgt Ion: 82 Resp: 1888
Ion Ratio Lower Upper
82 100
128 39.2 26.9 40.3
54 66.9 61.4 92.2





#9
Naphthalene
Concen: 0.315 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

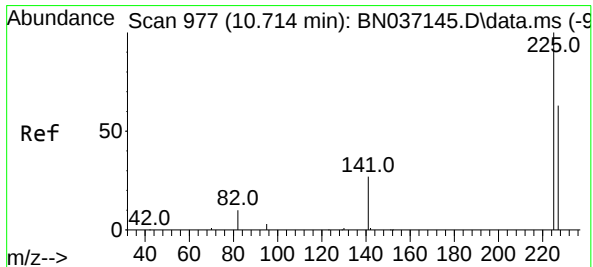
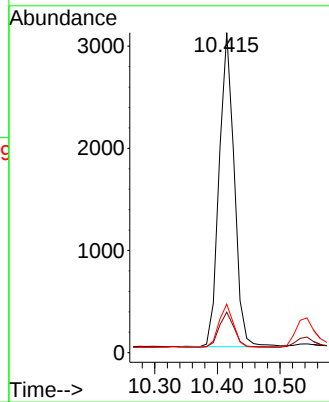
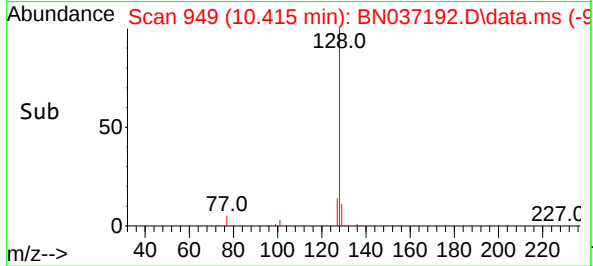
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:128 Resp: 515
Ion Ratio Lower Upper
128 100
129 12.6 9.8 14.8
127 15.1 12.3 18.5

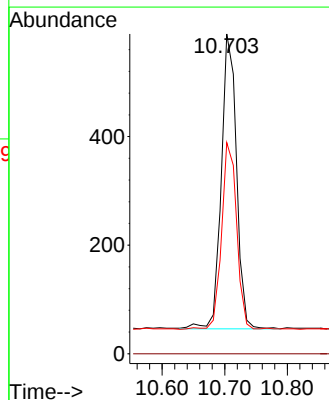
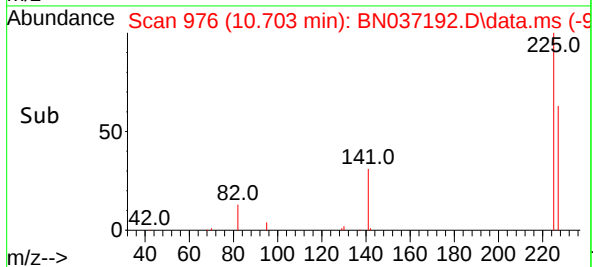
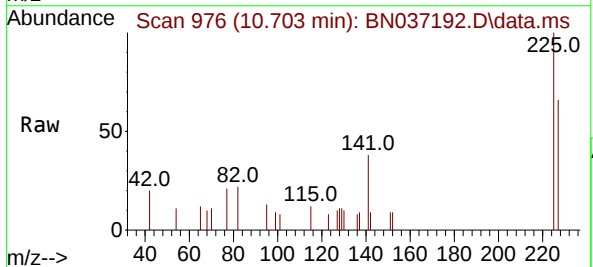
Manual Integrations
APPROVED

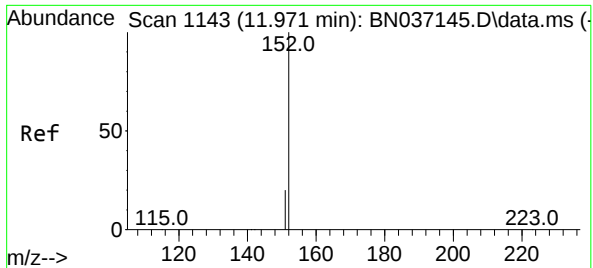
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#10
Hexachlorobutadiene
Concen: 0.258 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

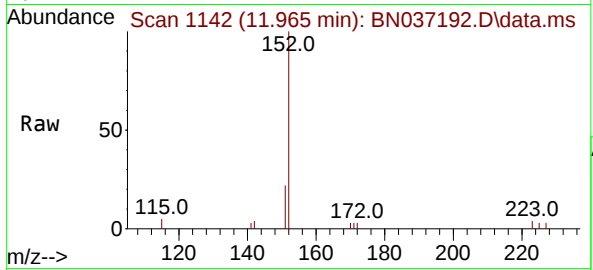
Tgt Ion:225 Resp: 918
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.7 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.302 ng m
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

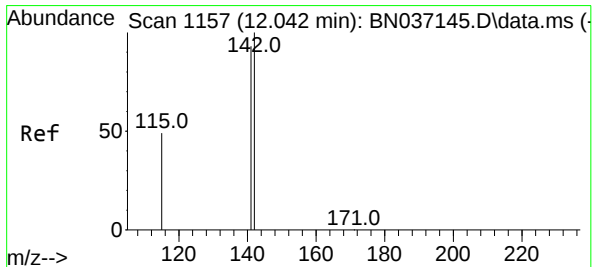
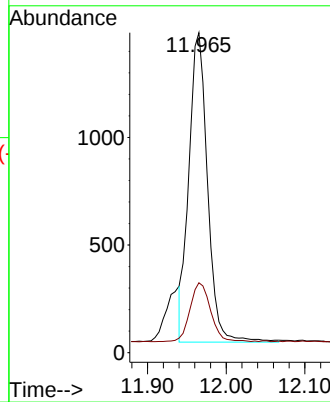
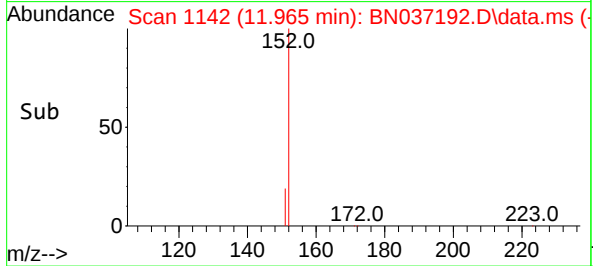
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:152 Resp: 2380
Ion Ratio Lower Upper
152 100
151 21.0 17.1 25.7

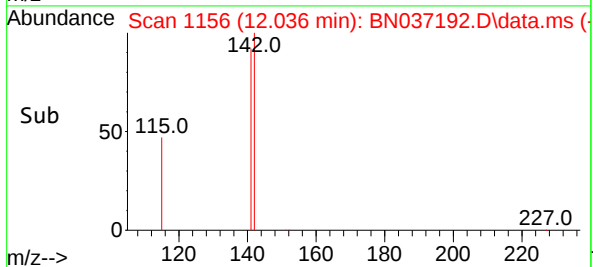
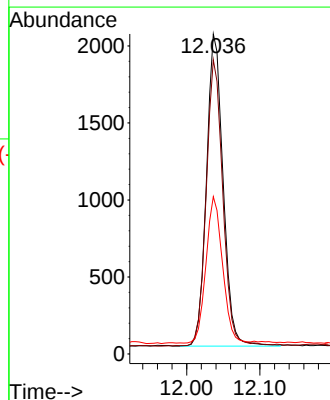
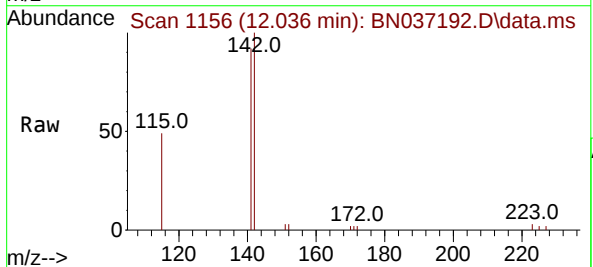
Manual Integrations
APPROVED

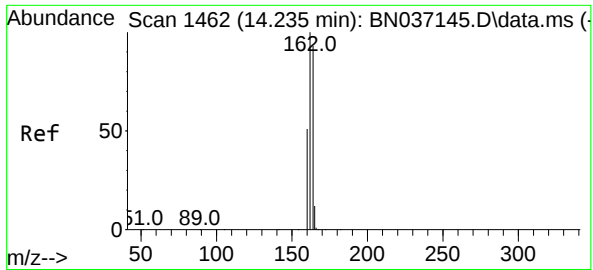
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#12
2-Methylnaphthalene
Concen: 0.306 ng
RT: 12.036 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

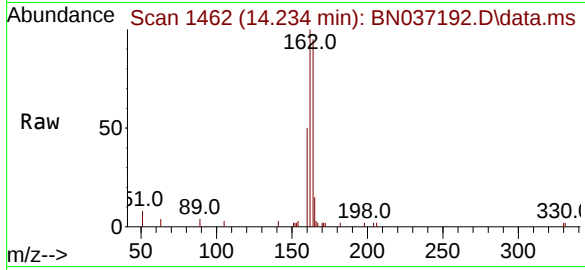
Tgt Ion:142 Resp: 3206
Ion Ratio Lower Upper
142 100
141 91.9 74.6 111.8
115 49.2 41.0 61.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

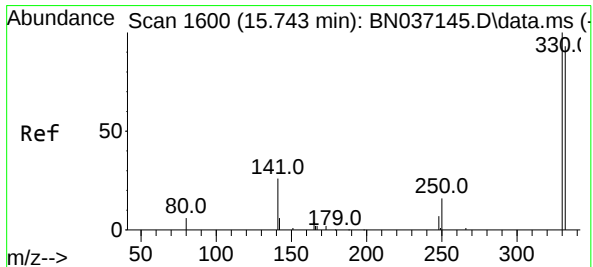
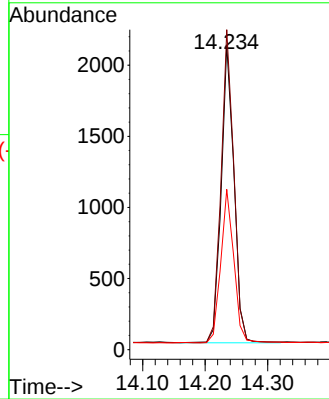
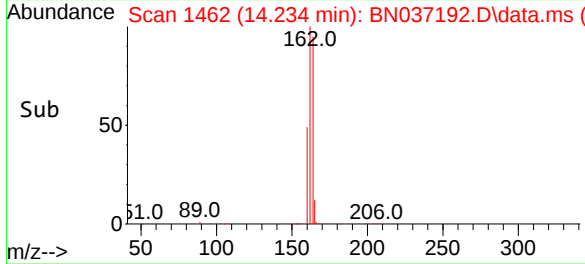
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:164 Resp: 299
Ion Ratio Lower Upper
164 100
162 105.0 85.5 128.3
160 52.6 44.6 67.0

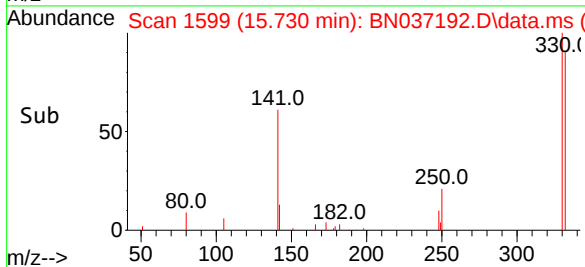
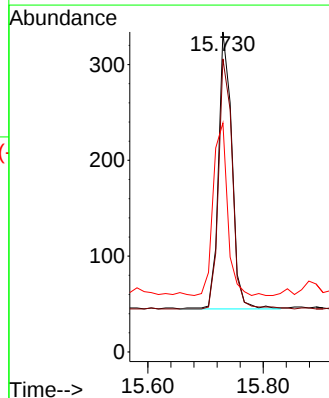
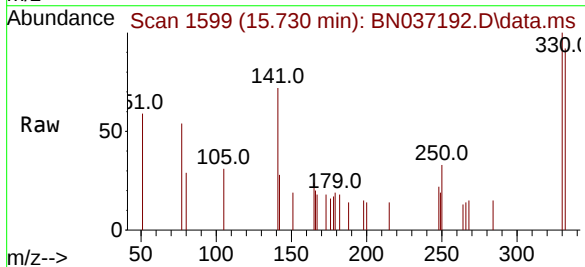
Manual Integrations
APPROVED

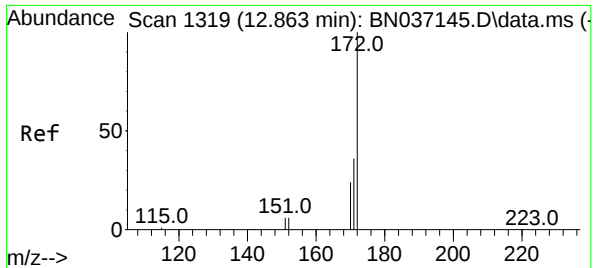
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#14
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

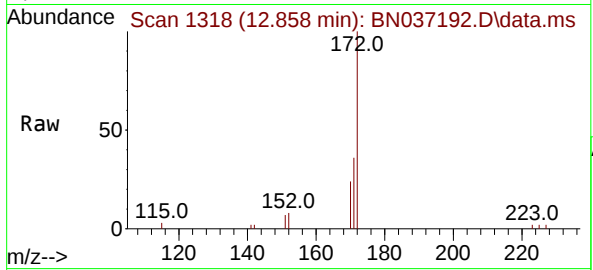
Tgt Ion:330 Resp: 466
Ion Ratio Lower Upper
330 100
332 92.7 77.1 115.7
141 66.7 46.4 69.6





#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

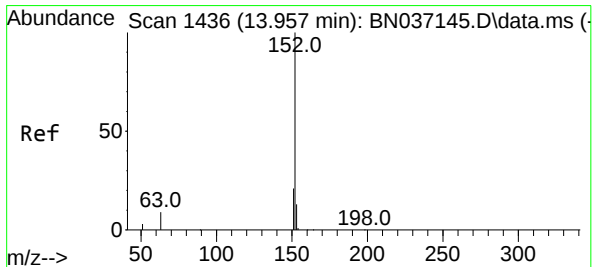
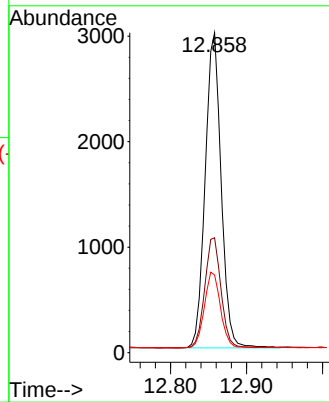
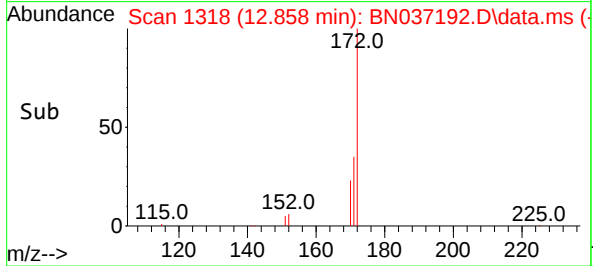
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:172 Resp: 437
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 24.3 20.3 30.5

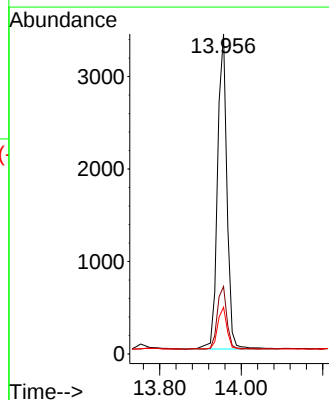
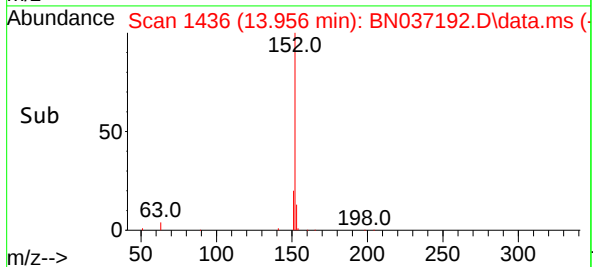
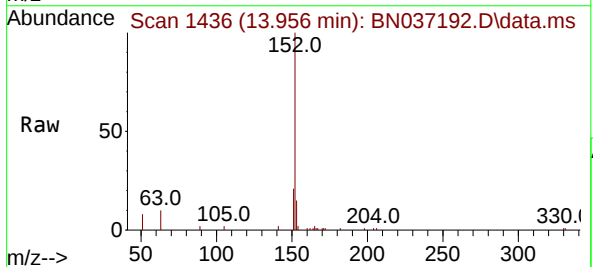
Manual Integrations
APPROVED

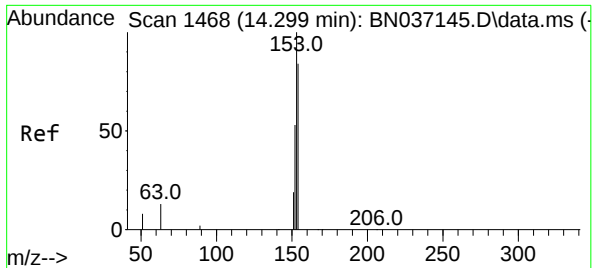
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#16
Acenaphthylene
Concen: 0.370 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

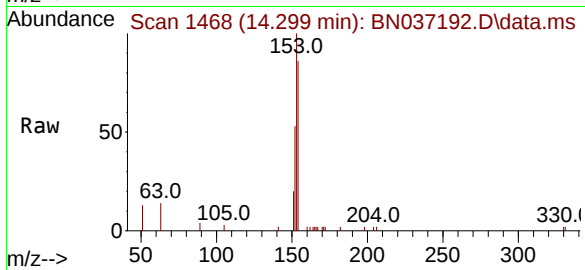
Tgt Ion:152 Resp: 5430
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.2 10.6 15.8





#17
Acenaphthene
Concen: 0.342 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

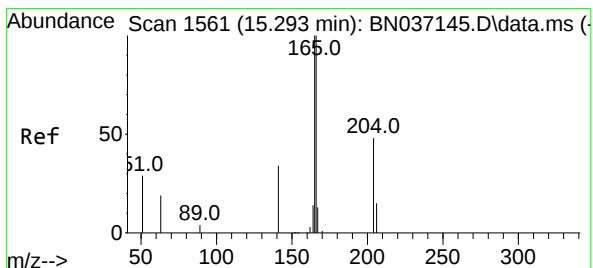
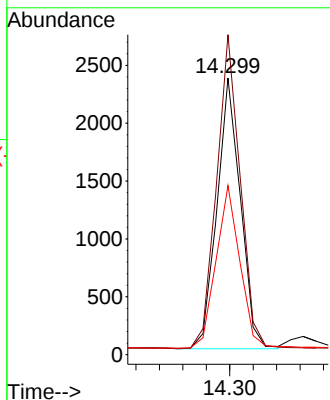
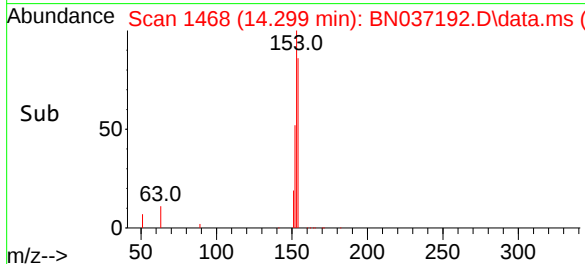
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:154 Resp: 325
Ion Ratio Lower Upper
154 100
153 116.9 93.8 140.8
152 61.8 50.5 75.7

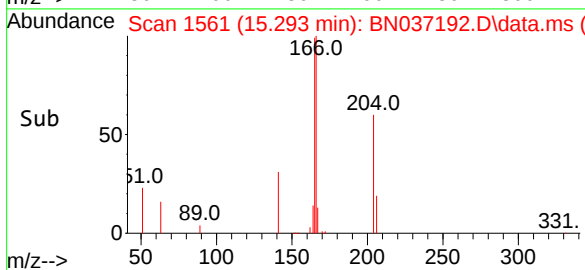
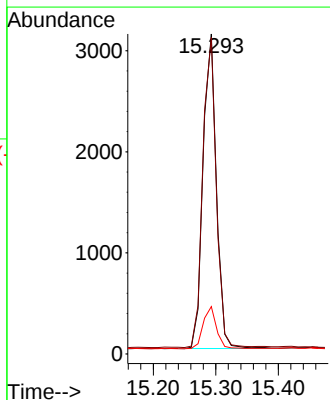
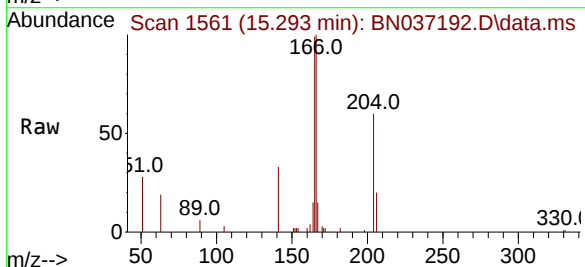
Manual Integrations
APPROVED

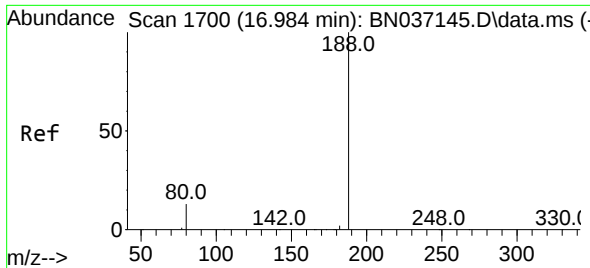
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#18
Fluorene
Concen: 0.369 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

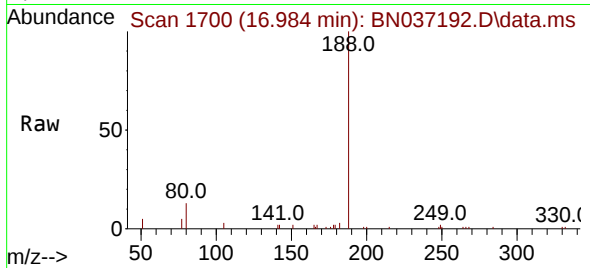
Tgt Ion:166 Resp: 4617
Ion Ratio Lower Upper
166 100
165 98.9 81.1 121.7
167 13.4 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

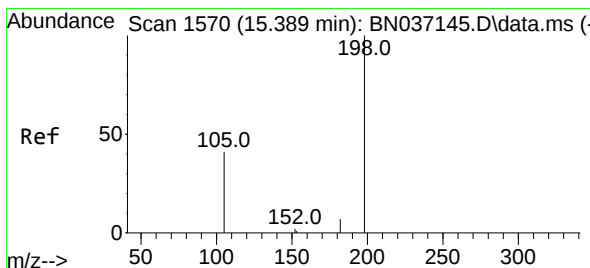
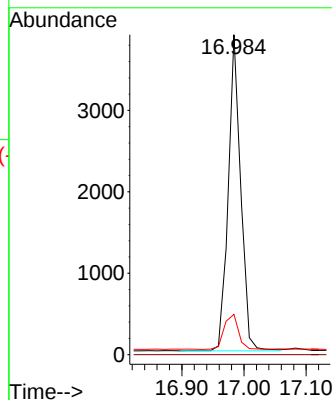
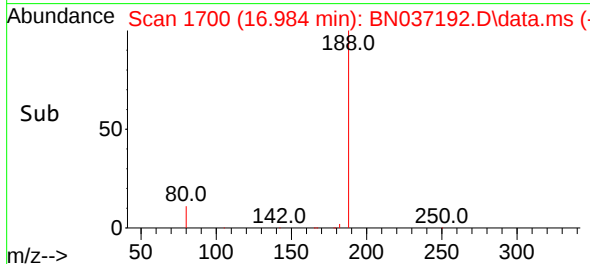
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:188 Resp: 5389
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.6 11.3 16.9

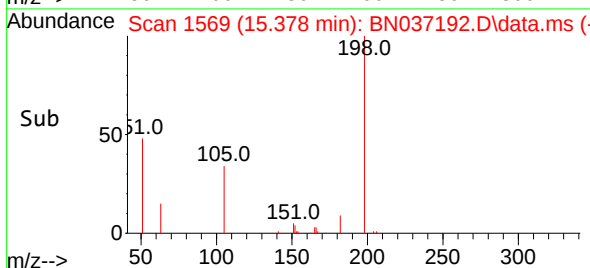
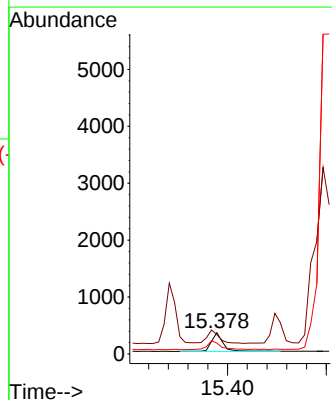
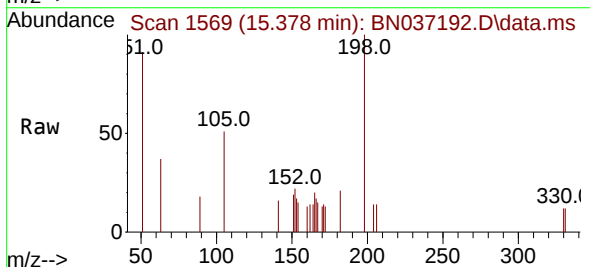
Manual Integrations
APPROVED

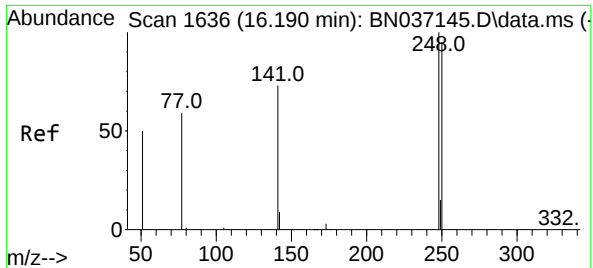
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#20
4,6-Dinitro-2-methylphenol
Concen: 0.599 ng
RT: 15.378 min Scan# 1569
Delta R.T. -0.011 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

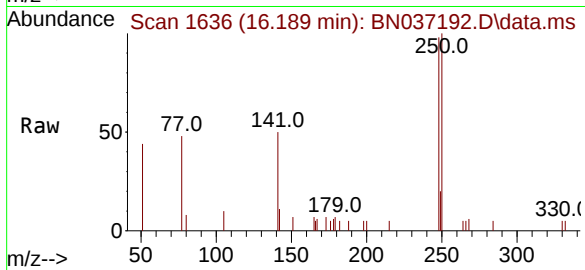
Tgt Ion:198 Resp: 513
Ion Ratio Lower Upper
198 100
51 90.7 125.2 187.8#
105 50.9 57.1 85.7#





#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

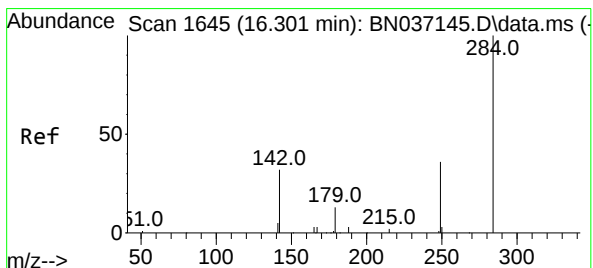
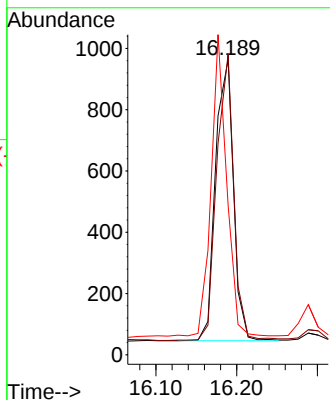
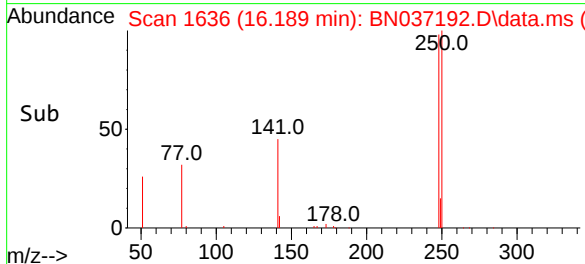
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:248 Resp: 1414
Ion Ratio Lower Upper
248 100
250 101.9 76.1 114.1
141 50.6 60.1 90.1

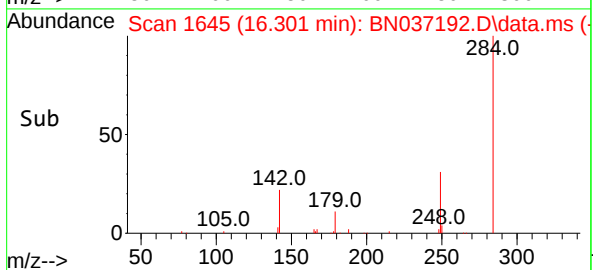
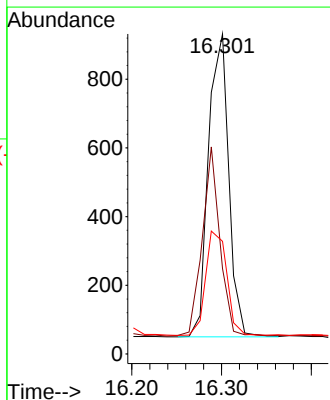
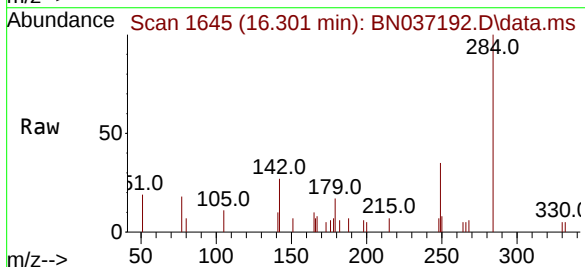
Manual Integrations
APPROVED

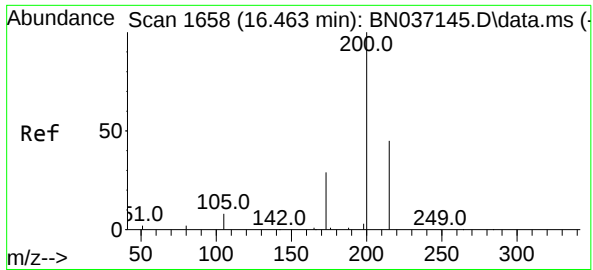
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#22
Hexachlorobenzene
Concen: 0.363 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

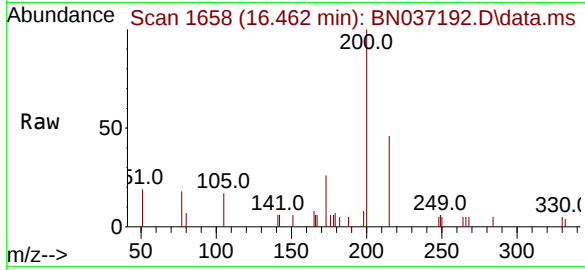
Tgt Ion:284 Resp: 1382
Ion Ratio Lower Upper
284 100
142 54.3 44.0 66.0
249 35.8 29.7 44.5





#23
Atrazine
Concen: 0.435 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

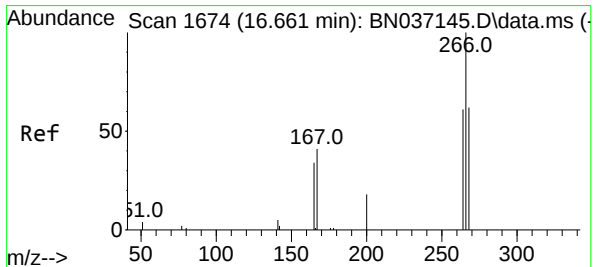
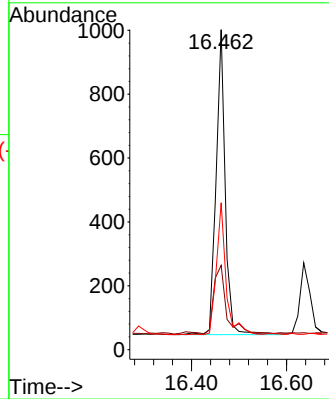
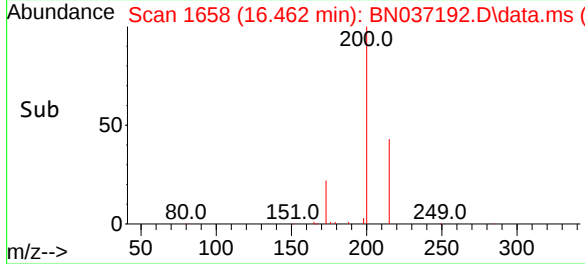
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:200 Resp: 1269
Ion Ratio Lower Upper
200 100
173 26.3 28.1 42.1
215 45.9 39.3 58.9

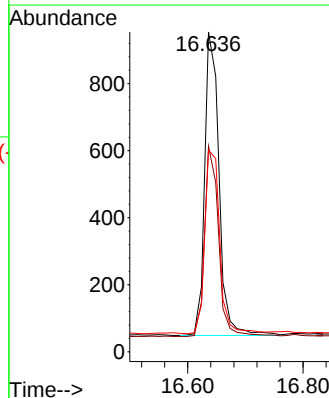
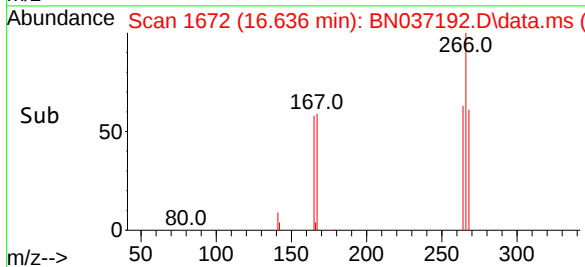
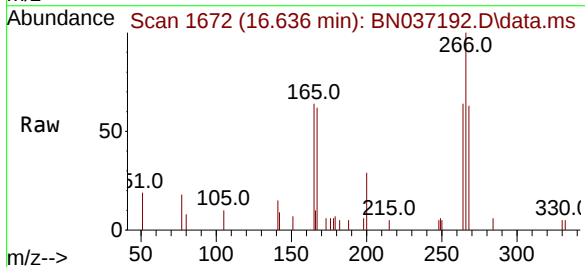
Manual Integrations
APPROVED

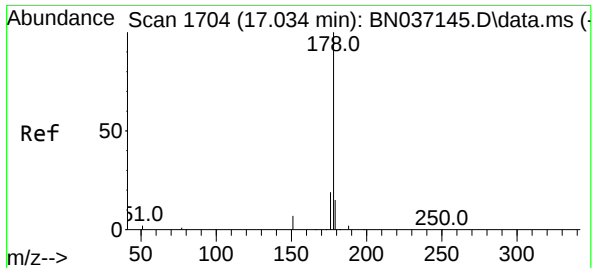
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#24
Pentachlorophenol
Concen: 0.901 ng
RT: 16.636 min Scan# 1672
Delta R.T. -0.025 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

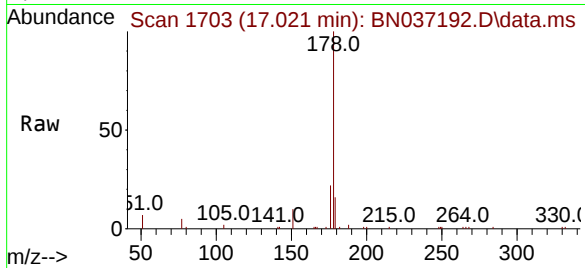
Tgt Ion:266 Resp: 1565
Ion Ratio Lower Upper
266 100
264 61.0 49.3 73.9
268 63.3 49.0 73.4





#25
Phenanthrene
Concen: 0.418 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

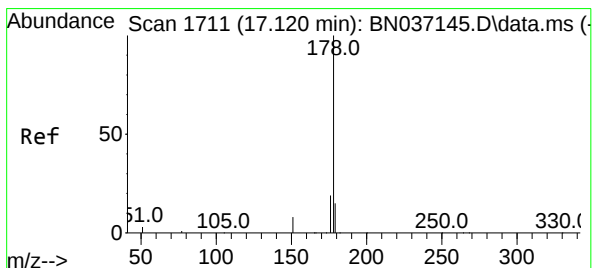
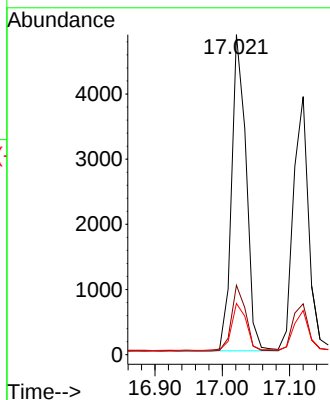
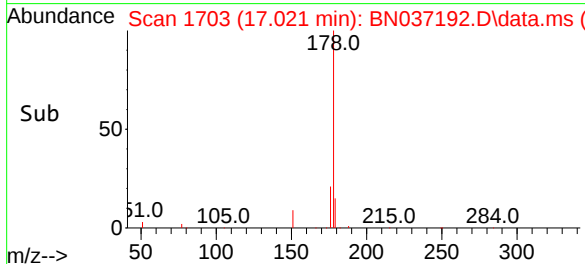
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:178 Resp: 729
Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 15.2 12.3 18.5

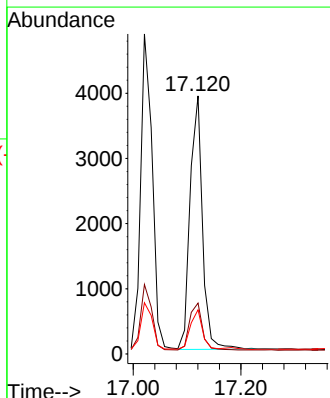
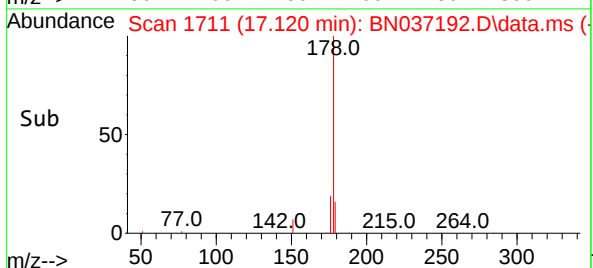
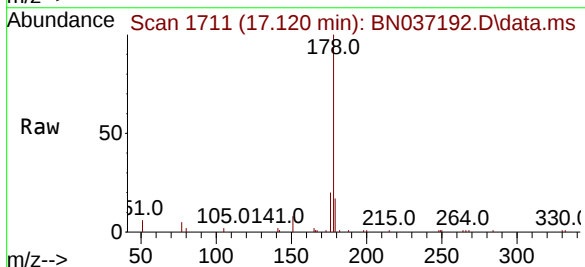
Manual Integrations
APPROVED

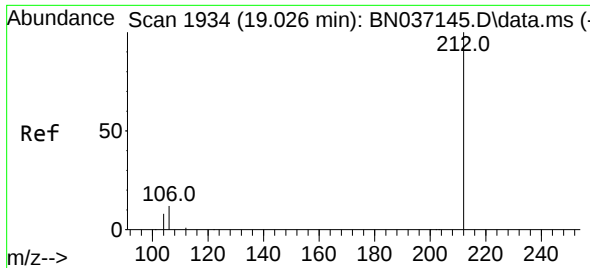
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#26
Anthracene
Concen: 0.392 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

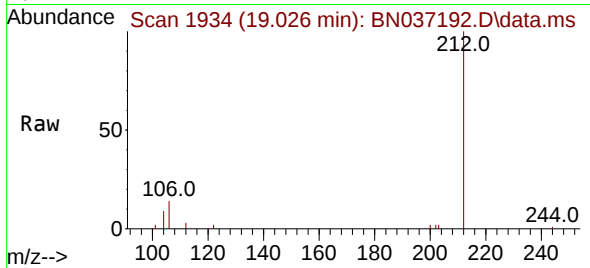
Tgt Ion:178 Resp: 6246
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 14.7 12.9 19.3





#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

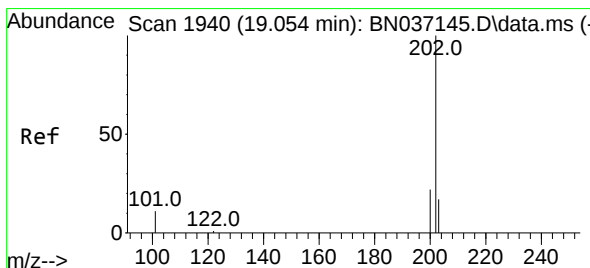
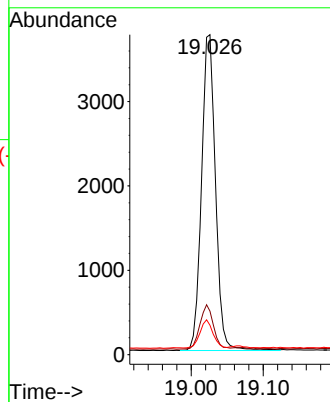
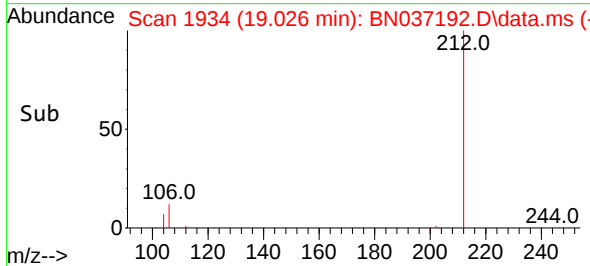
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:212 Resp: 504
Ion Ratio Lower Upper
212 100
106 13.6 10.6 15.8
104 8.3 6.6 9.8

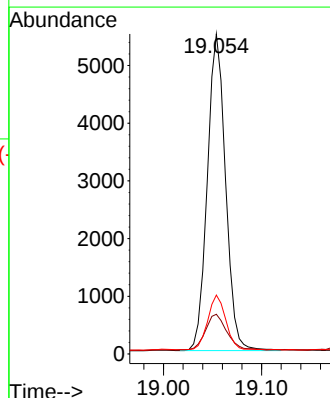
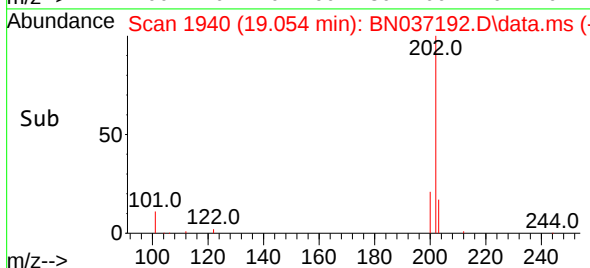
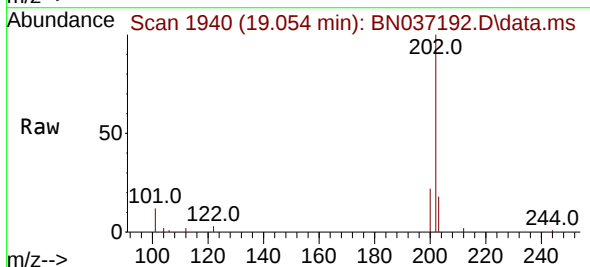
Manual Integrations
APPROVED

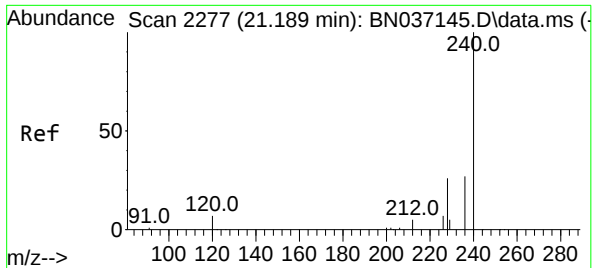
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#28
Fluoranthene
Concen: 0.367 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

Tgt Ion:202 Resp: 7085
Ion Ratio Lower Upper
202 100
101 13.6 8.7 13.1#
203 17.1 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 2118

Delta R.T. -0.000 min

Lab File: BN037192.D

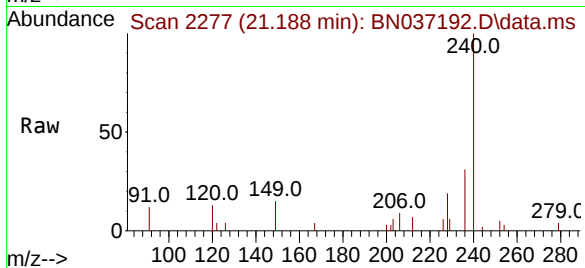
Acq: 09 Jun 2025 14:33

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MS

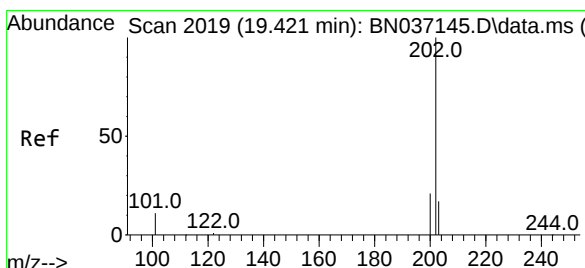
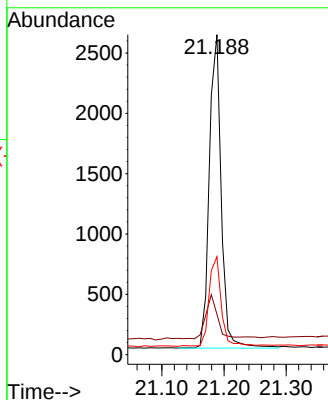
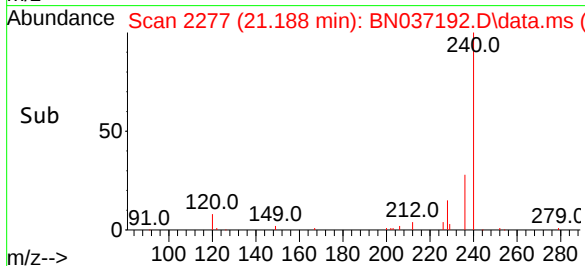


Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.0	13.4
236	30.6	23.0	34.4

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Supervised By :Jagrut Upadhyay 06/10/2025



#30

Pyrene

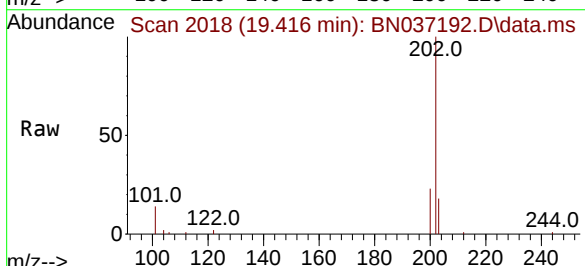
Concen: 0.424 ng

RT: 19.416 min Scan# 2018

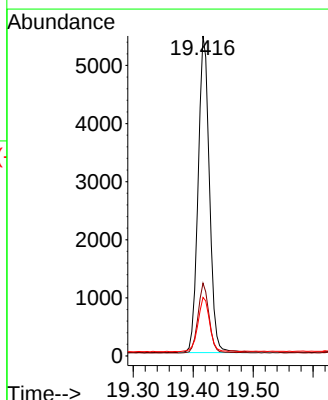
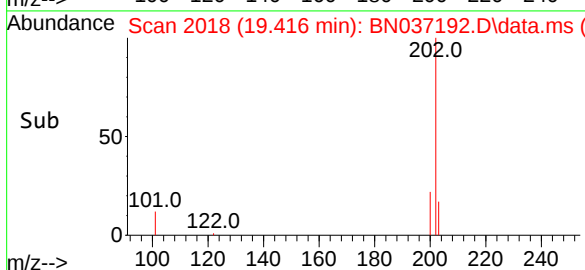
Delta R.T. -0.005 min

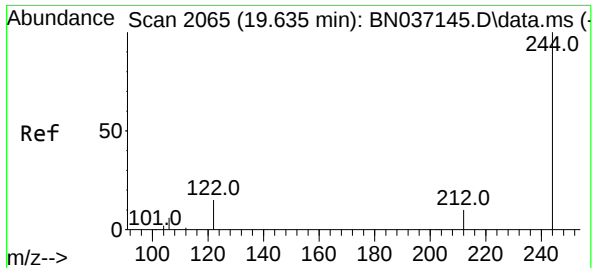
Lab File: BN037192.D

Acq: 09 Jun 2025 14:33



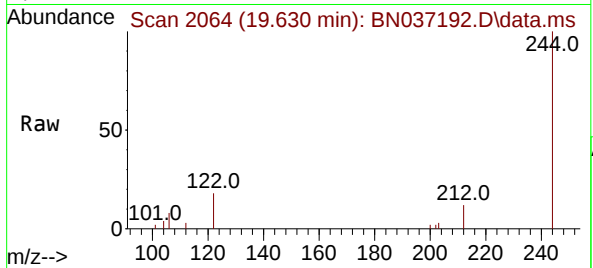
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.6
203	17.5	14.2	21.4





#31
Terphenyl-d14
Concen: 0.473 ng
RT: 19.630 min Scan# 2065
Delta R.T. -0.005 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

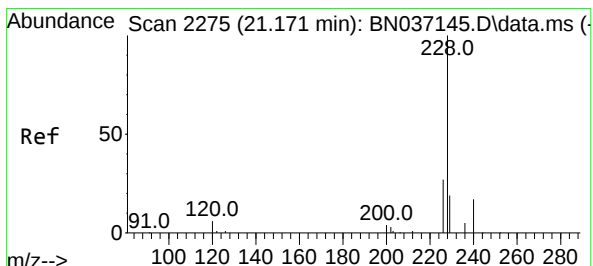
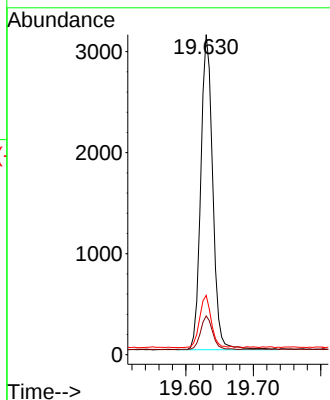
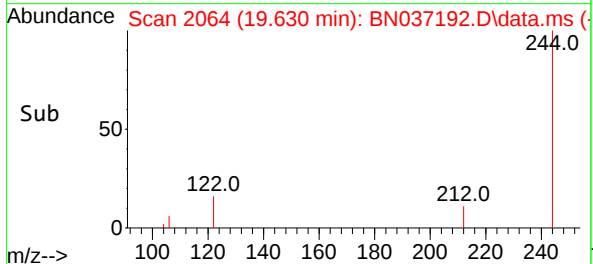
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:244 Resp: 383
Ion Ratio Lower Upper
244 100
212 12.1 10.0 15.0
122 18.5 13.2 19.8

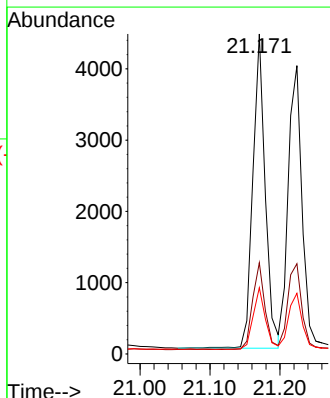
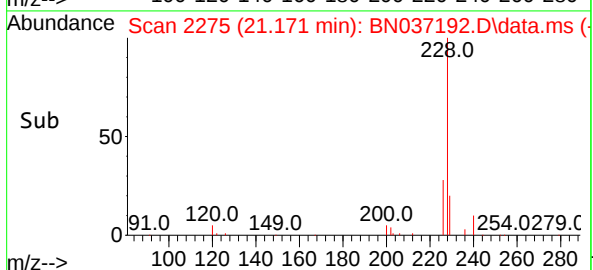
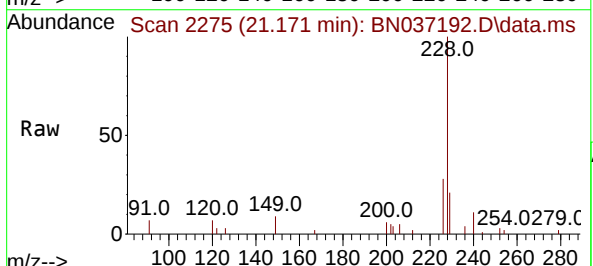
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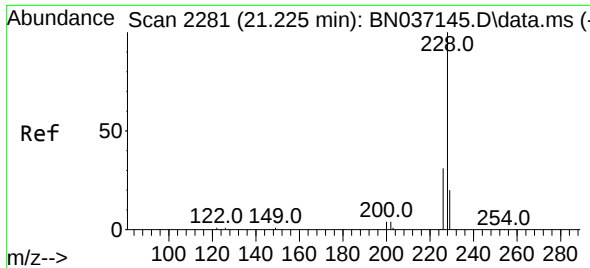
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#32
Benzo(a)anthracene
Concen: 0.434 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

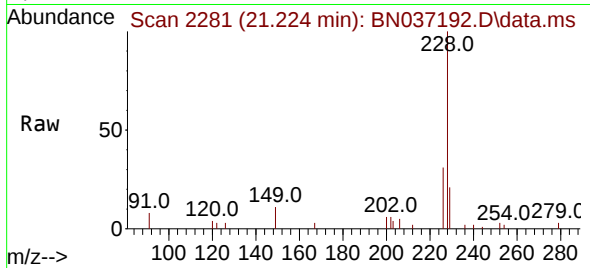
Tgt Ion:228 Resp: 5416
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 20.7 16.2 24.2





#33
Chrysene
Concen: 0.407 ng
RT: 21.224 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

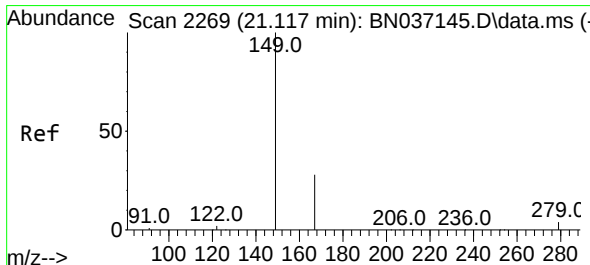
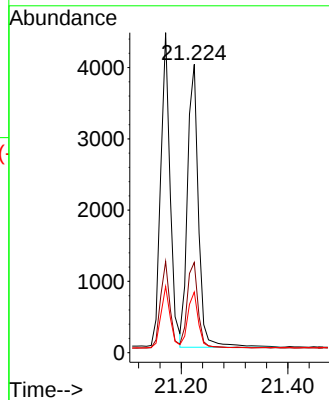
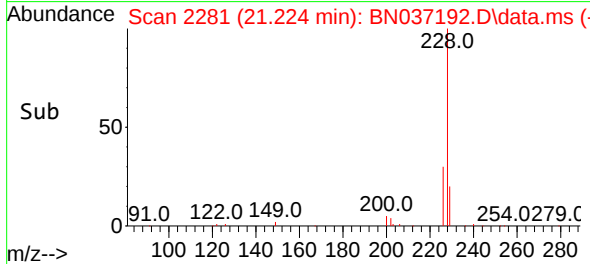
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:228 Resp: 5649
Ion Ratio Lower Upper
228 100
226 31.3 25.2 37.8
229 21.0 16.8 25.2

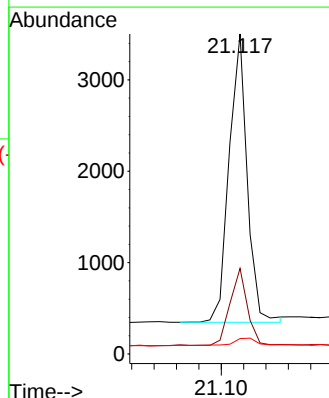
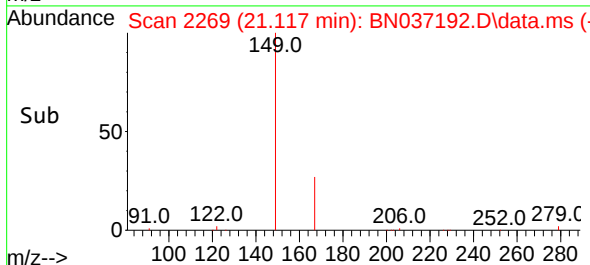
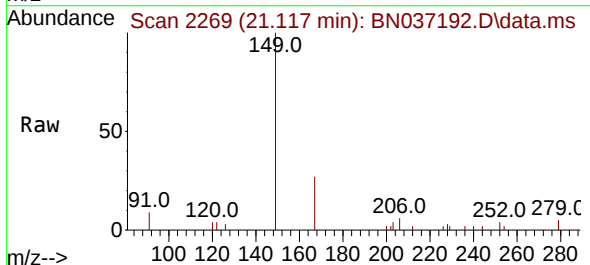
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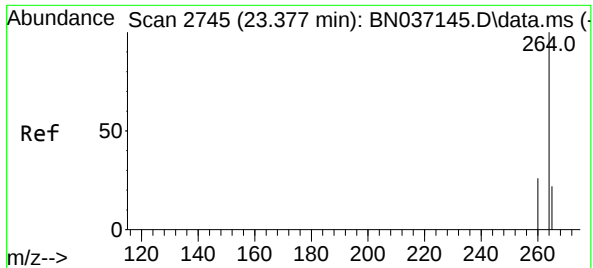
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.448 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

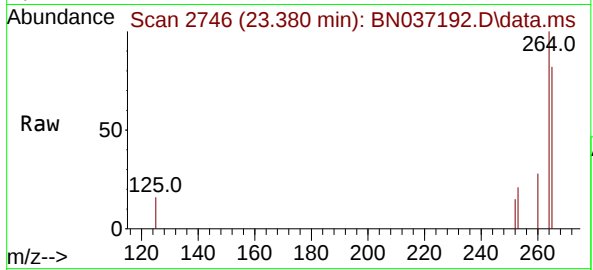
Tgt Ion:149 Resp: 3531
Ion Ratio Lower Upper
149 100
167 25.6 21.0 31.4
279 3.5 2.9 4.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

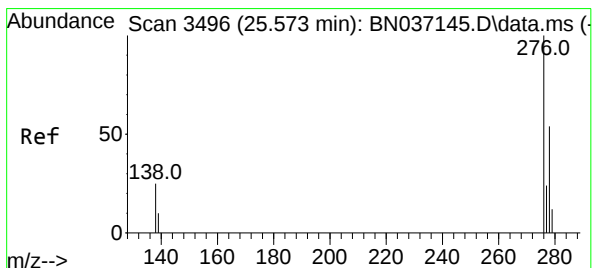
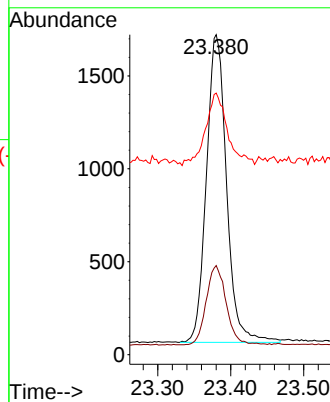
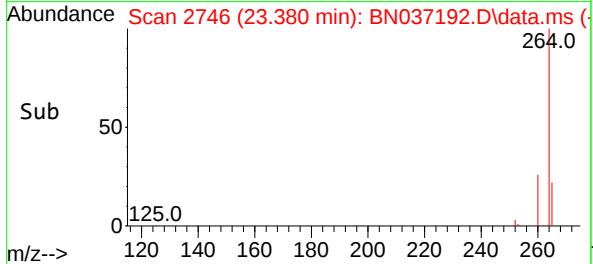
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS



Tgt Ion:264 Resp: 317
Ion Ratio Lower Upper
264 100
260 27.8 22.1 33.1
265 81.8 55.8 83.8

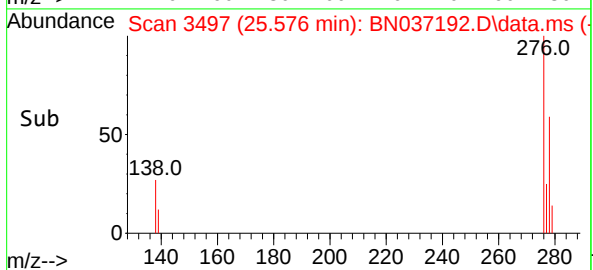
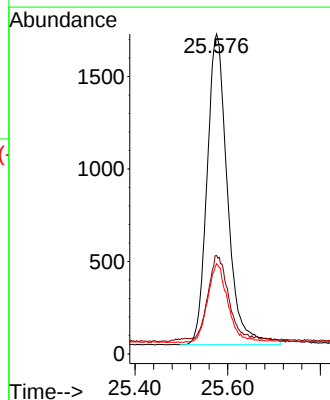
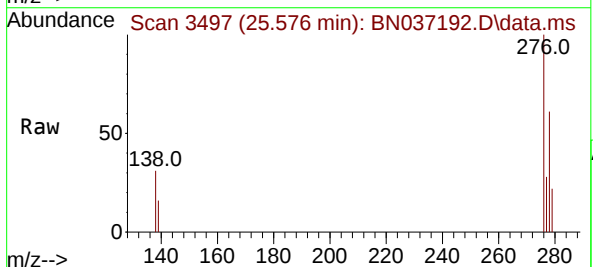
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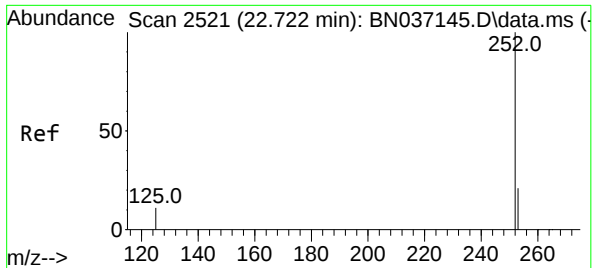
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.406 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037192.D
Acq: 09 Jun 2025 14:33

Tgt Ion:276 Resp: 5130
Ion Ratio Lower Upper
276 100
138 26.9 21.0 31.6
277 24.2 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.384 ng m

RT: 22.725 min Scan# 2521

Delta R.T. 0.003 min

Lab File: BN037192.D

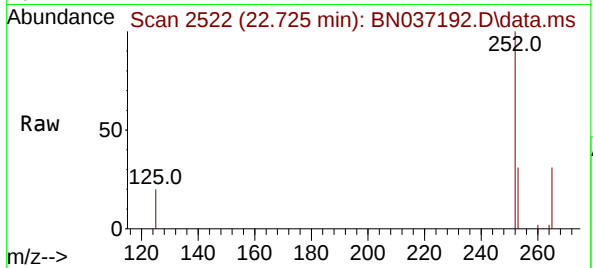
Acq: 09 Jun 2025 14:33

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MS



Tgt Ion:252 Resp: 4923

Ion Ratio Lower Upper

252 100

253 30.6 22.3 33.5

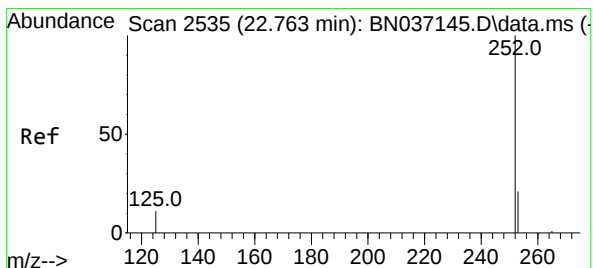
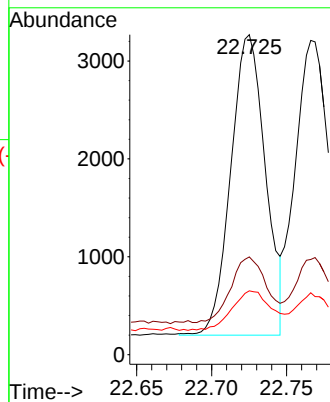
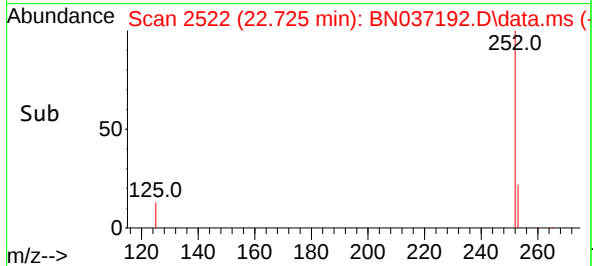
125 19.9 13.2 19.8

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#38

Benzo(k)fluoranthene

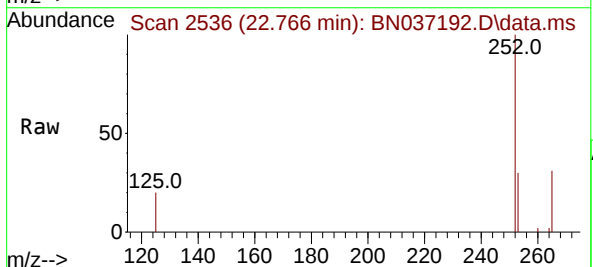
Concen: 0.366 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037192.D

Acq: 09 Jun 2025 14:33



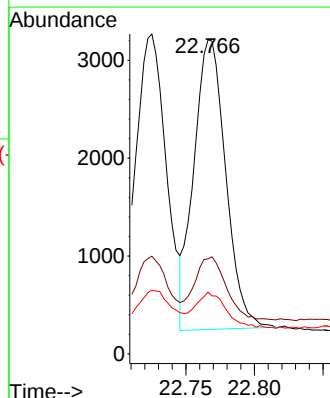
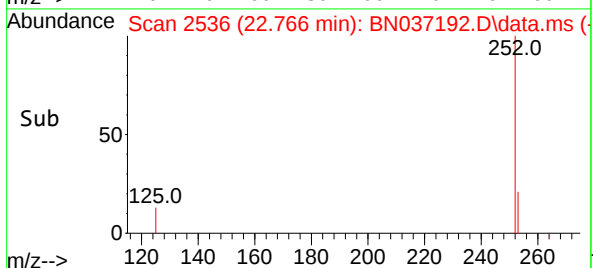
Tgt Ion:252 Resp: 4787

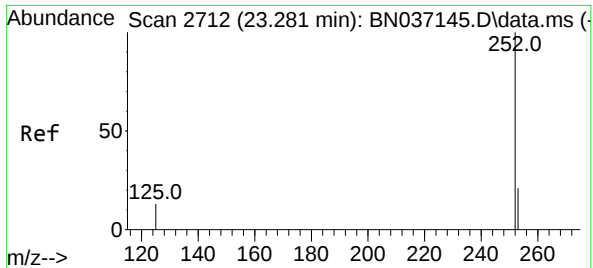
Ion Ratio Lower Upper

252 100

253 30.3 22.2 33.4

125 19.7 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.383 ng

RT: 23.284 min Scan# 2712

Delta R.T. 0.003 min

Lab File: BN037192.D

Acq: 09 Jun 2025 14:33

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MS

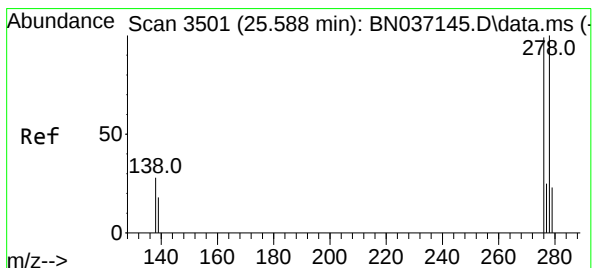
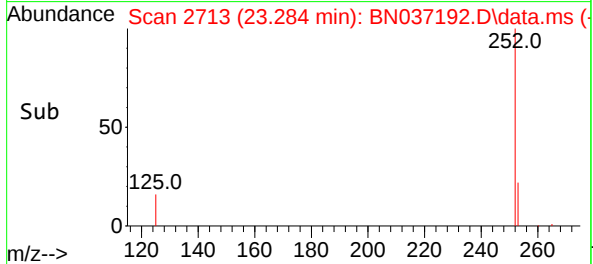
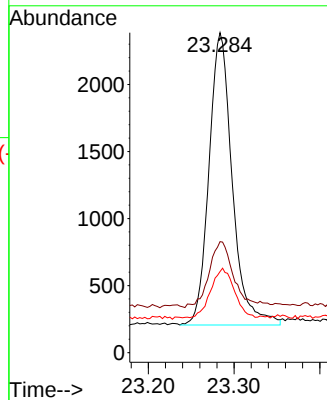
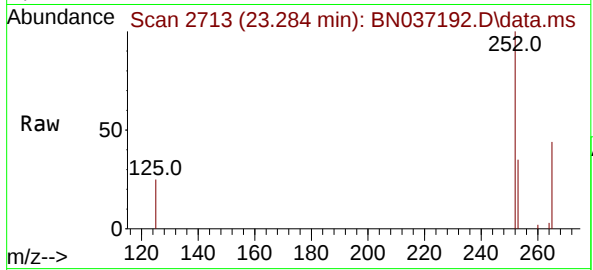
Tgt Ion:252	Resp:	4119
Ion Ratio	Lower	Upper
252	100	
253	34.7	25.0 37.4
125	25.3	17.0 25.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/10/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.411 ng

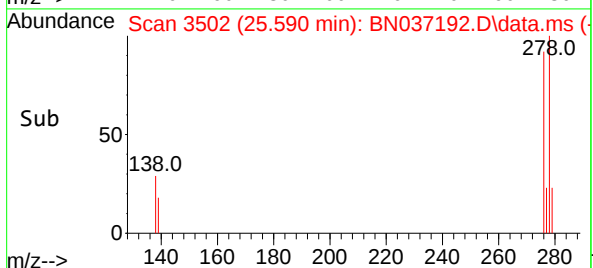
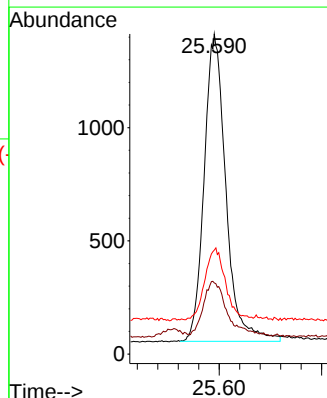
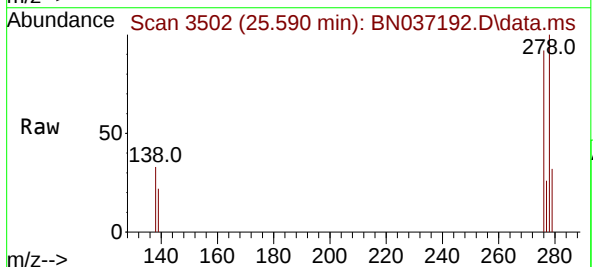
RT: 25.590 min Scan# 3502

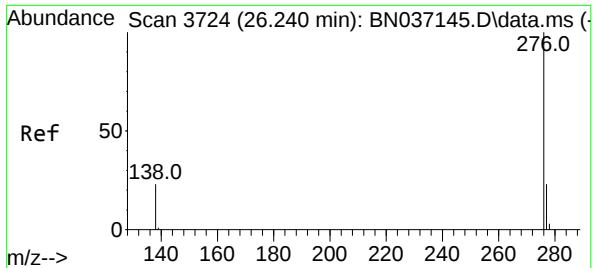
Delta R.T. 0.003 min

Lab File: BN037192.D

Acq: 09 Jun 2025 14:33

Tgt Ion:278	Resp:	4003
Ion Ratio	Lower	Upper
278	100	
139	22.2	17.6 26.4
279	32.5	26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 26.245 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN037192.D

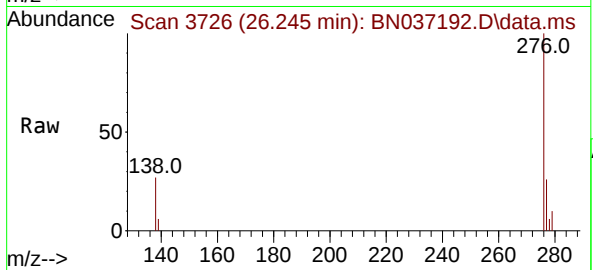
Acq: 09 Jun 2025 14:33

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MS



Tgt Ion:276 Resp: 4218

Ion Ratio Lower Upper

276 100

277 26.5 20.9 31.3

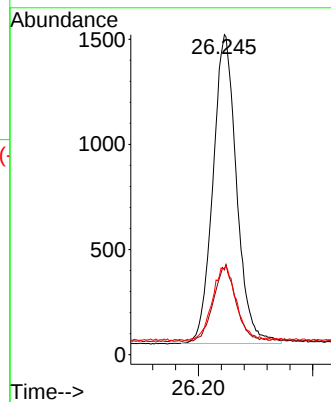
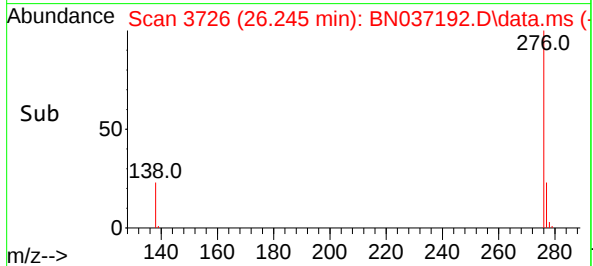
138 27.0 20.8 31.2

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MSD	SDG No.:	Q2234
Lab Sample ID:	Q2250-03MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037193.D	1	06/06/25 11:54	06/09/25 15:47	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		30 (54) - 130 (175)	113%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2170	7.59			
1146-65-2	Naphthalene-d8	5650	10.362			
15067-26-2	Acenaphthene-d10	2930	14.235			
1517-22-2	Phenanthrene-d10	5140	16.984			
1719-03-5	Chrysene-d12	3420	21.18			
1520-96-3	Perylene-d12	3340	23.374			

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_N\Data\BN060925\
 Data File : BN037193.D
 Acq On : 09 Jun 2025 15:47
 Operator : RC/JU
 Sample : Q2250-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11A-13.5-060525MSD

Manual Integrations
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Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 16:53:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	2169	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	5646	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2926	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5139	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3419	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	3336	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.185	112	842	0.157	ng	0.00
5) Phenol-d6	6.773	99	692	0.106	ng	0.00
8) Nitrobenzene-d5	8.739	82	1894	0.318	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2373m	0.302	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	451	0.383	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4311	0.346	ng	0.00
27) Fluoranthene-d10	19.022	212	4775	0.366	ng	0.00
31) Terphenyl-d14	19.630	244	3637	0.452	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.112	88	9354	3.235	ng	95
3) n-Nitrosodimethylamine	3.430	42	740	0.127	ng	# 83
6) bis(2-Chloroethyl)ether	7.019	93	2082	0.336	ng	97
9) Naphthalene	10.415	128	5110	0.314	ng	98
10) Hexachlorobutadiene	10.703	225	906	0.255	ng	# 98
12) 2-Methylnaphthalene	12.037	142	3210	0.307	ng	98
16) Acenaphthylene	13.957	152	5333	0.372	ng	100
17) Acenaphthene	14.299	154	3131	0.336	ng	99
18) Fluorene	15.293	166	4472	0.365	ng	98
20) 4,6-Dinitro-2-methylph...	15.379	198	471	0.587	ng	# 63
21) 4-Bromophenyl-phenylether	16.190	248	1330	0.395	ng	# 79
22) Hexachlorobenzene	16.301	284	1342	0.369	ng	98
23) Atrazine	16.463	200	1184	0.426	ng	# 93
24) Pentachlorophenol	16.636	266	1464	0.888	ng	98
25) Phenanthrene	17.021	178	6930	0.416	ng	99
26) Anthracene	17.120	178	5874	0.387	ng	98
28) Fluoranthene	19.054	202	6813	0.370	ng	# 97
30) Pyrene	19.417	202	6824	0.409	ng	100
32) Benzo(a)anthracene	21.171	228	5337	0.431	ng	100
33) Chrysene	21.216	228	5681	0.412	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	3448	0.442	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	5422	0.409	ng	99
37) Benzo(b)fluoranthene	22.720	252	5075m	0.377	ng	
38) Benzo(k)fluoranthene	22.761	252	5262	0.383	ng	95
39) Benzo(a)pyrene	23.281	252	4286	0.380	ng	# 88
40) Dibenzo(a,h)anthracene	25.585	278	4235	0.414	ng	99
41) Benzo(g,h,i)perylene	26.240	276	4499	0.383	ng	97

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

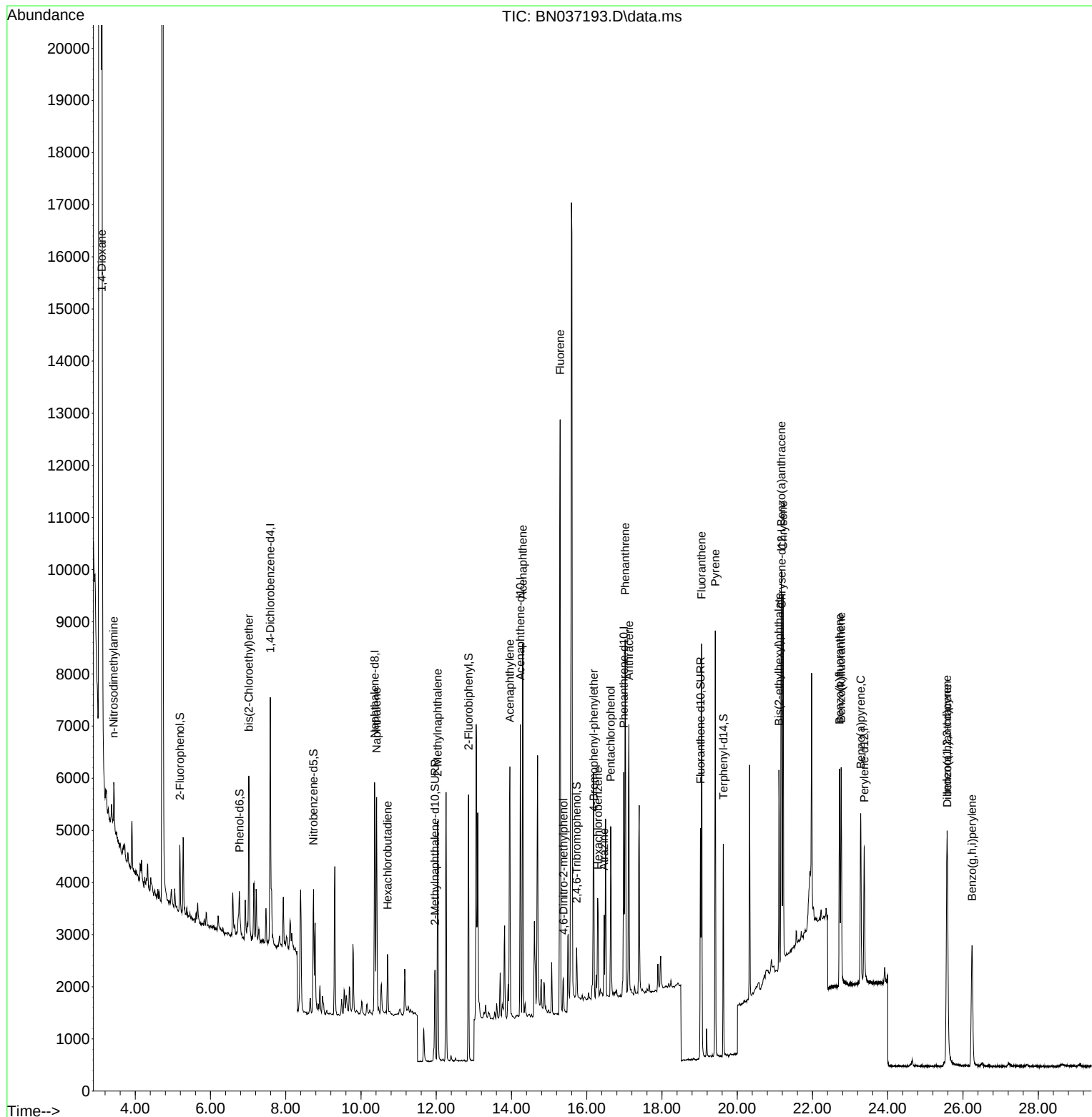
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037193.D
Acq On : 09 Jun 2025 15:47
Operator : RC/JU
Sample : Q2250-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

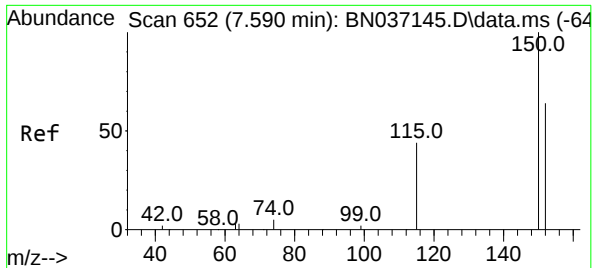
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD

Quant Time: Jun 09 16:53:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

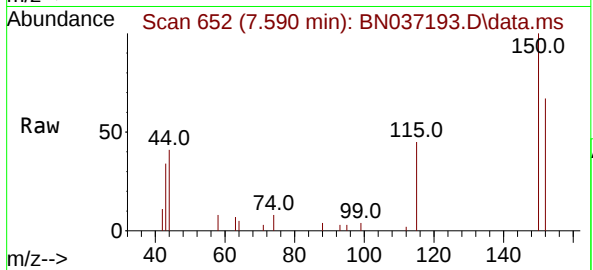
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

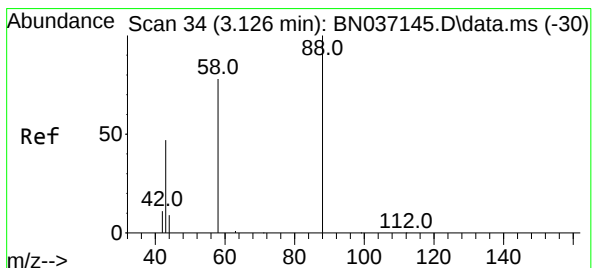
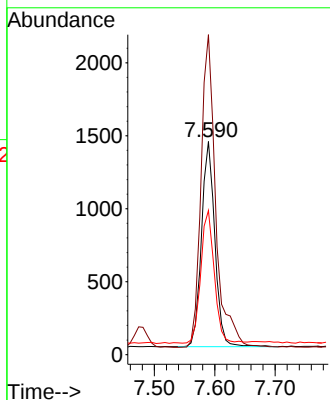
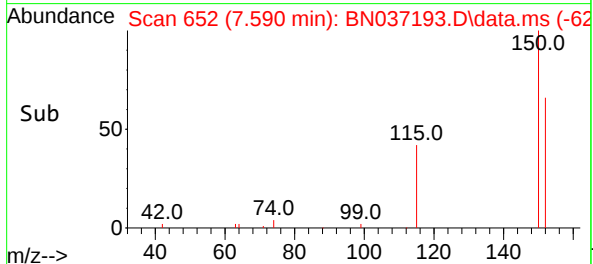
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion: 152 Resp: 2169
Ion Ratio Lower Upper
152 100
150 150.2 123.2 184.8
115 67.7 56.6 85.0

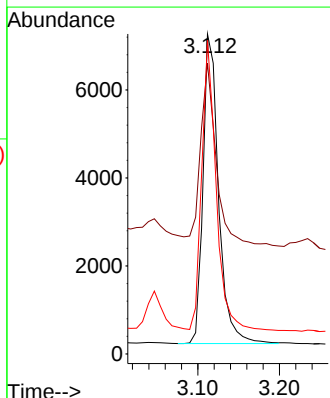
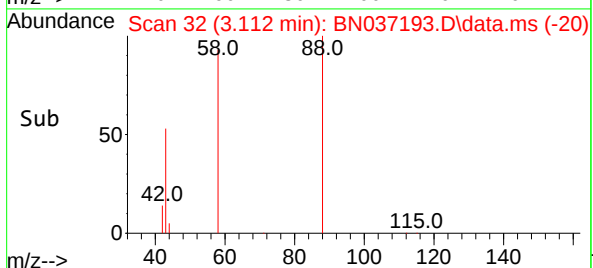
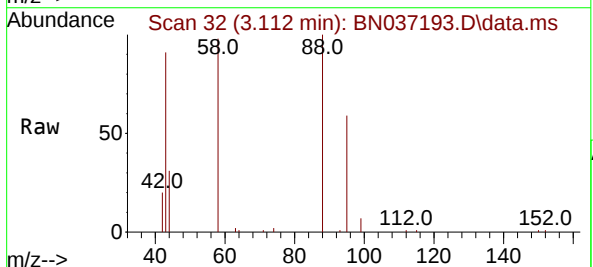
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

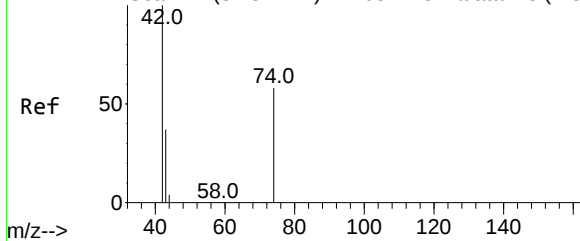


#2
1,4-Dioxane
Concen: 3.235 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.014 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion: 88 Resp: 9354
Ion Ratio Lower Upper
88 100
43 60.0 43.5 65.3
58 87.0 67.7 101.5



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.127 ng

RT: 3.430 min Scan# 70

Delta R.T. -0.007 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

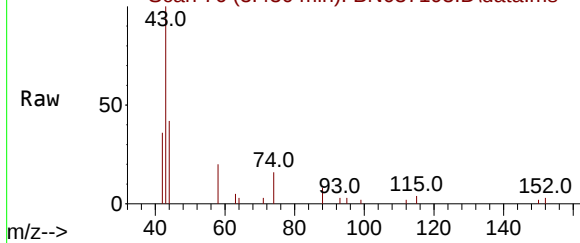
Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MSD

Abundance Scan 76 (3.430 min): BN037193.D\data.ms



Tgt Ion: 42 Resp: 740

Ion Ratio Lower Upper

42 100

74 80.4 53.0 79.4

44 12.2 5.9 8.9

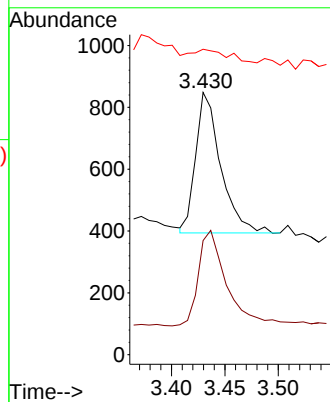
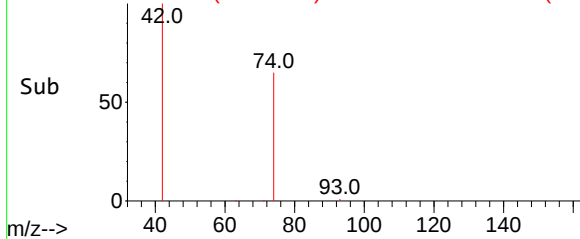
Manual Integrations

APPROVED

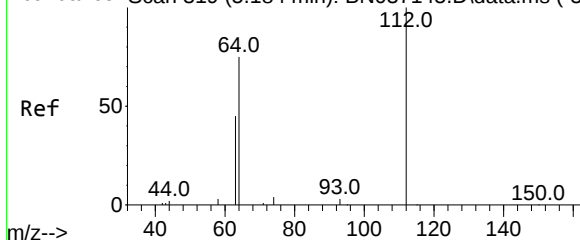
Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025

Abundance Scan 76 (3.430 min): BN037193.D\data.ms (-56)



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.157 ng

RT: 5.185 min Scan# 319

Delta R.T. 0.000 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Tgt Ion:112 Resp: 842

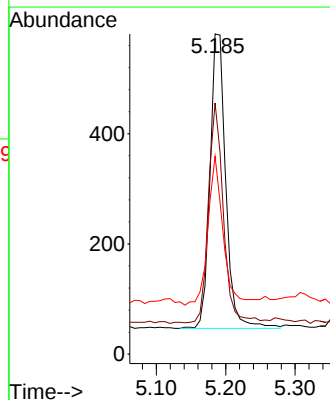
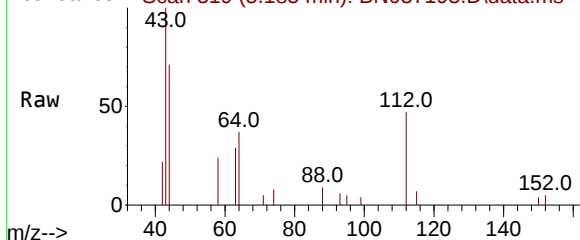
Ion Ratio Lower Upper

112 100

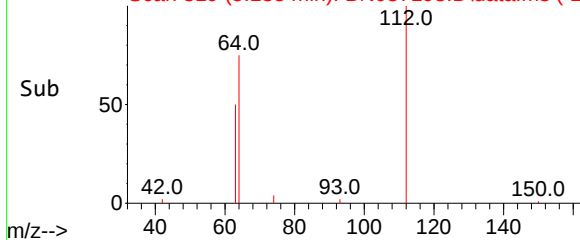
64 71.9 56.3 84.5

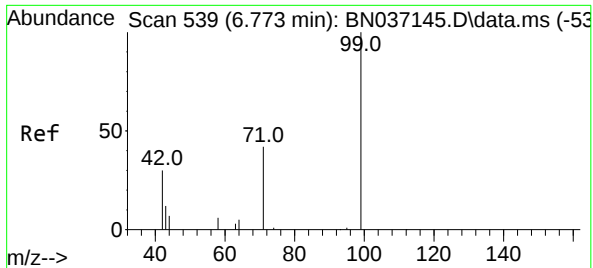
63 48.2 36.2 54.4

Abundance Scan 319 (5.185 min): BN037193.D\data.ms



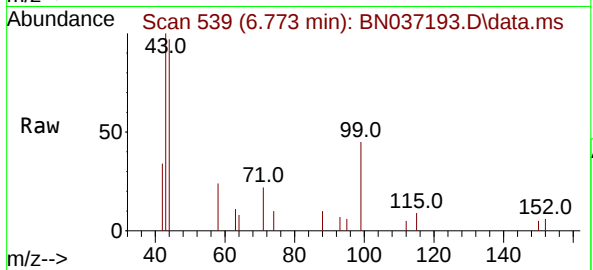
Abundance Scan 319 (5.185 min): BN037193.D\data.ms (-29)





#5
Phenol-d6
Concen: 0.106 ng
RT: 6.773 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

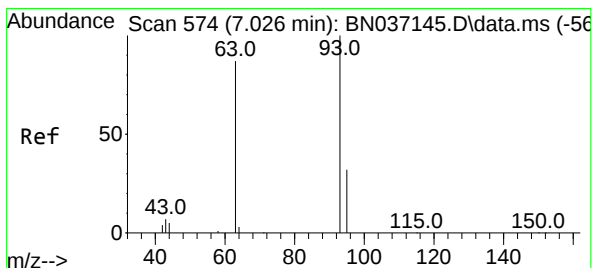
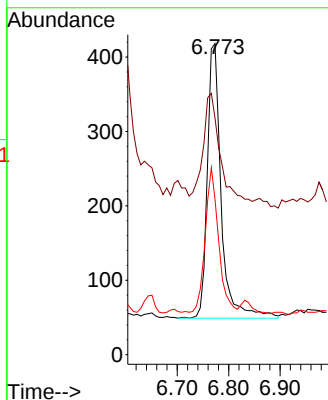
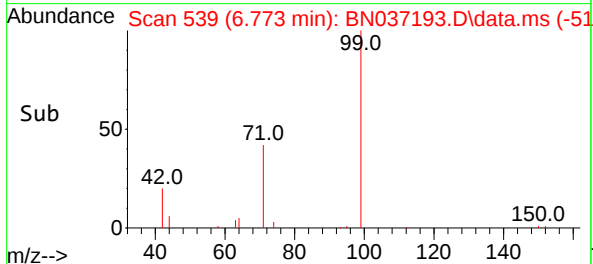
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion: 99 Resp: 692
Ion Ratio Lower Upper
99 100
42 46.7 31.3 46.9
71 51.4 38.2 57.2

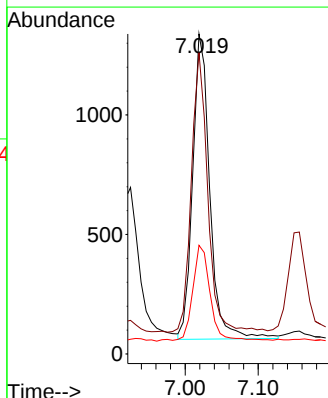
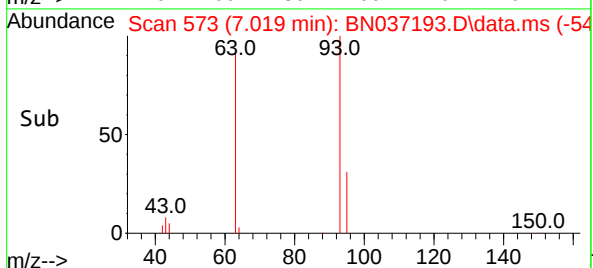
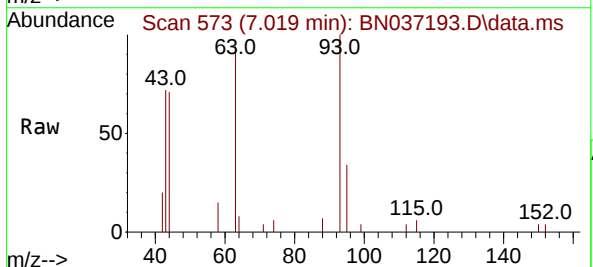
Manual Integrations
APPROVED

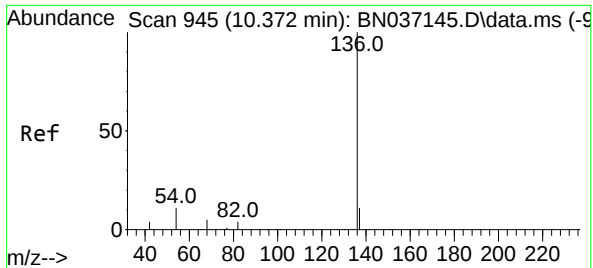
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

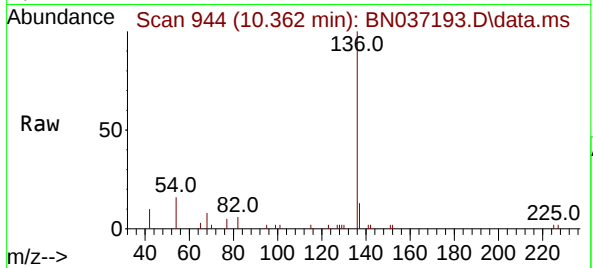
Tgt Ion: 93 Resp: 2082
Ion Ratio Lower Upper
93 100
63 87.8 68.6 103.0
95 32.5 24.3 36.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

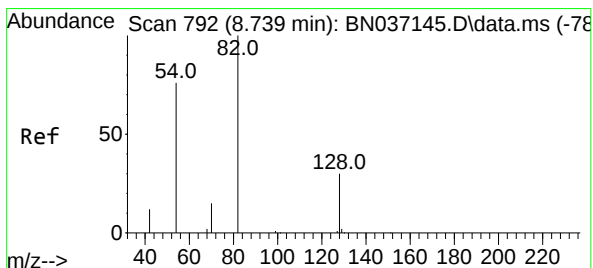
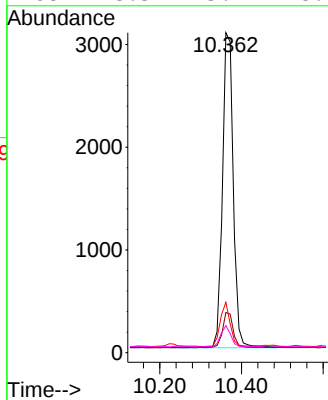
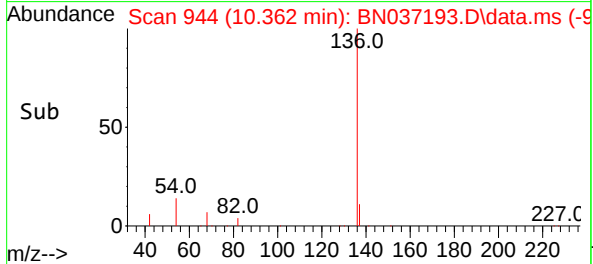
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:136 Resp: 5640
Ion Ratio Lower Upper
136 100
137 12.6 9.7 14.5
54 15.8 9.7 14.5
68 8.5 5.4 8.2#

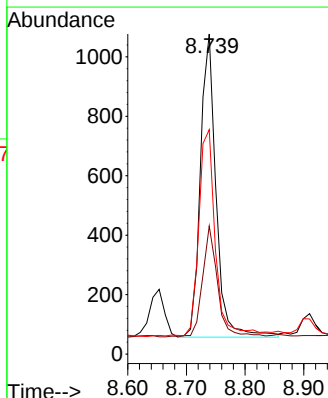
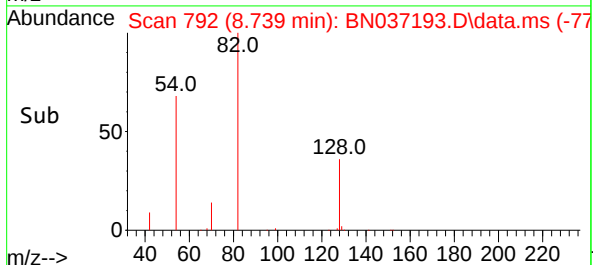
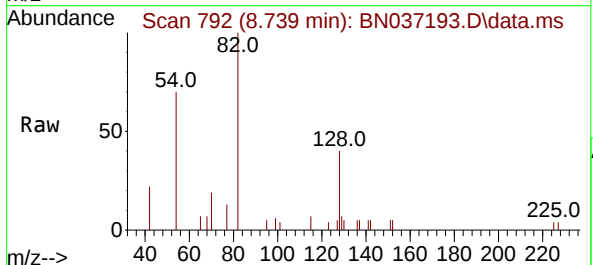
Manual Integrations
APPROVED

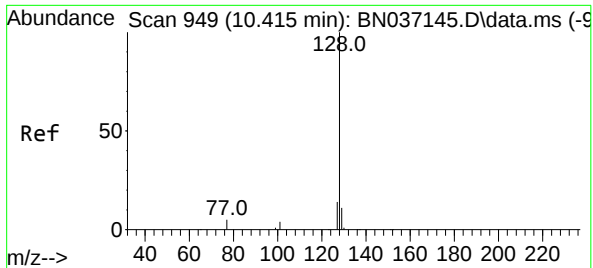
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#8
Nitrobenzene-d5
Concen: 0.318 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

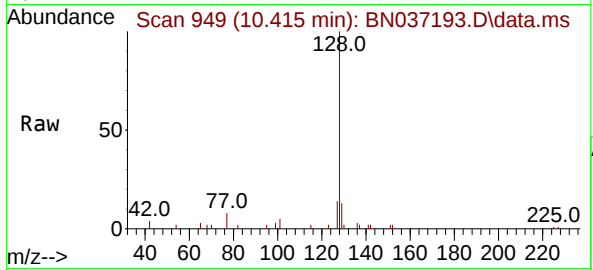
Tgt Ion: 82 Resp: 1894
Ion Ratio Lower Upper
82 100
128 40.0 26.9 40.3
54 70.1 61.4 92.2





#9
Naphthalene
Concen: 0.314 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

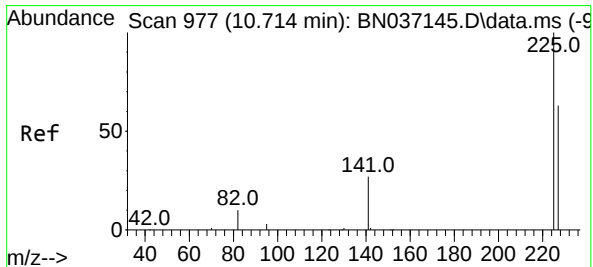
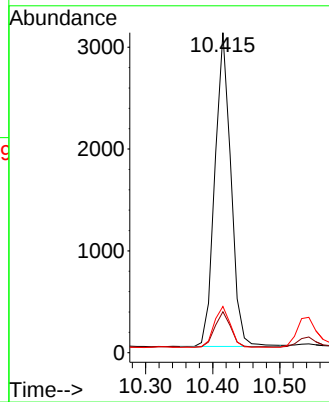
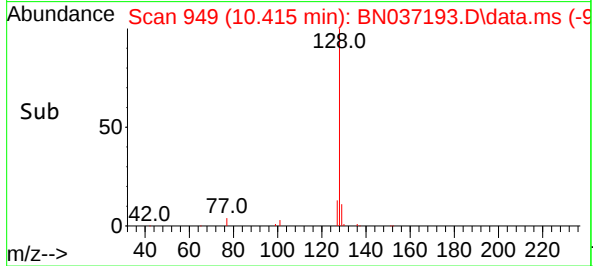
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:128 Resp: 5110
Ion Ratio Lower Upper
128 100
129 12.8 9.8 14.8
127 14.5 12.3 18.5

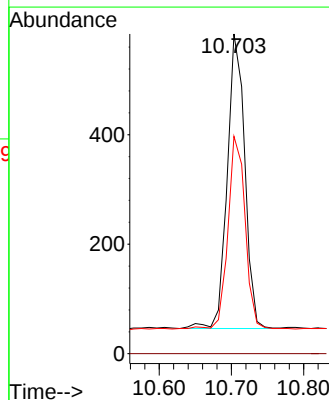
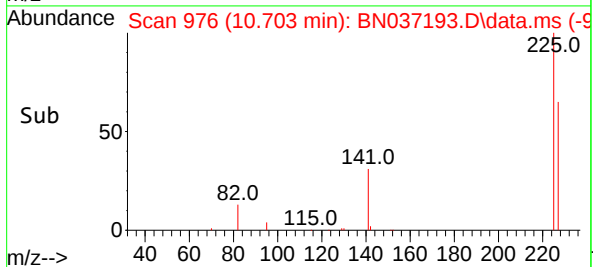
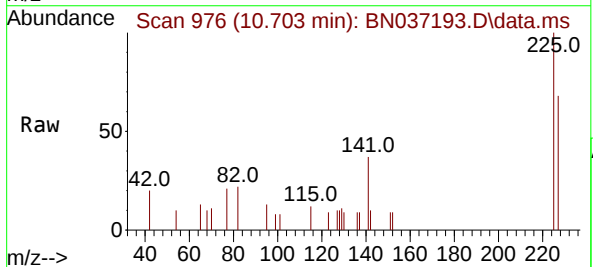
Manual Integrations
APPROVED

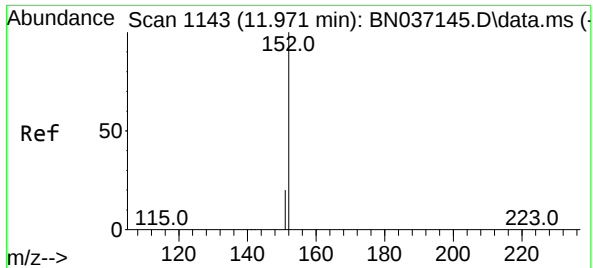
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#10
Hexachlorobutadiene
Concen: 0.255 ng
RT: 10.703 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

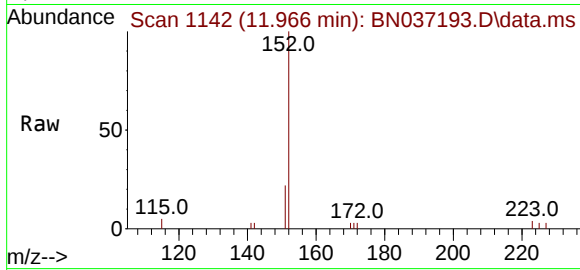
Tgt Ion:225 Resp: 906
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.5 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.302 ng m
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

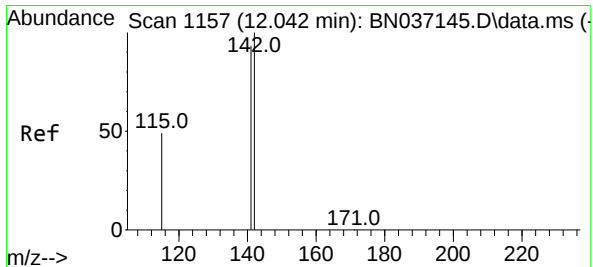
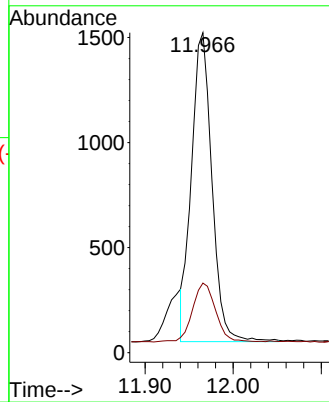
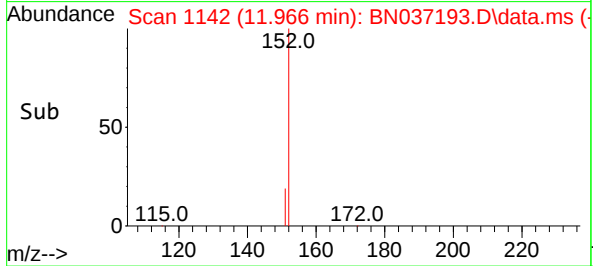
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:152 Resp: 237
Ion Ratio Lower Upper
152 100
151 21.5 17.1 25.7

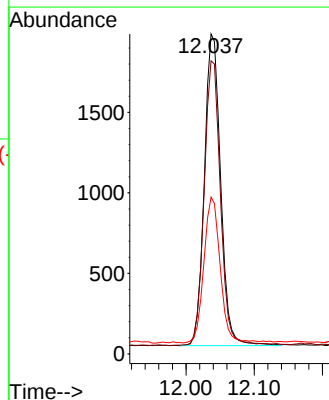
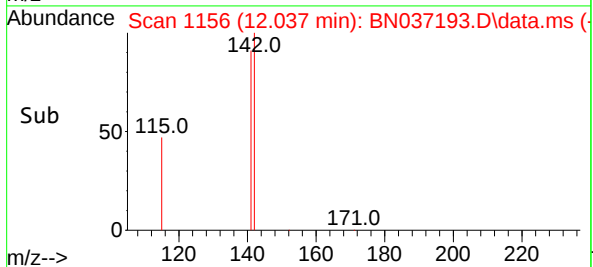
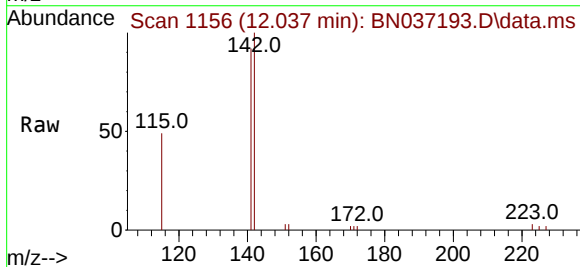
Manual Integrations
APPROVED

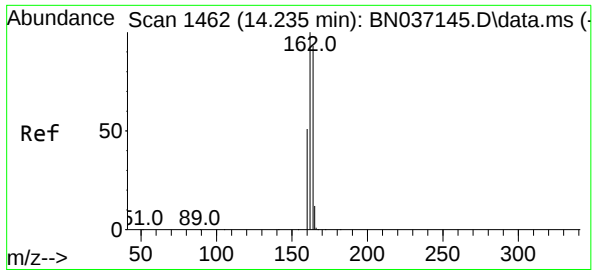
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#12
2-Methylnaphthalene
Concen: 0.307 ng
RT: 12.037 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

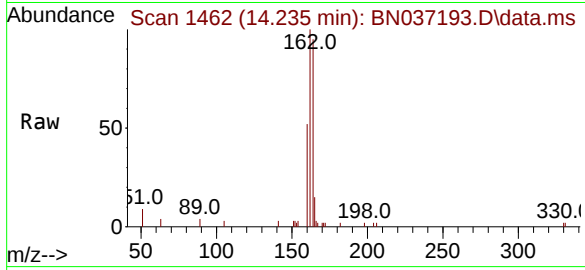
Tgt Ion:142 Resp: 3210
Ion Ratio Lower Upper
142 100
141 91.6 74.6 111.8
115 48.9 41.0 61.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

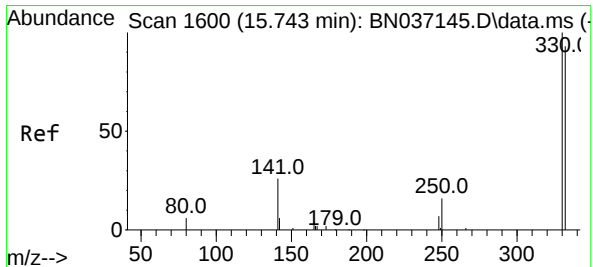
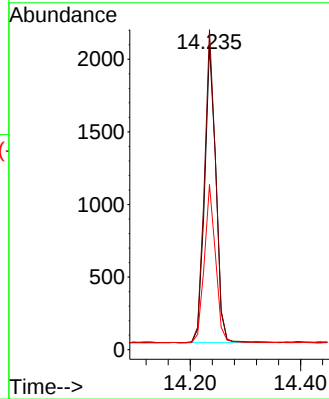
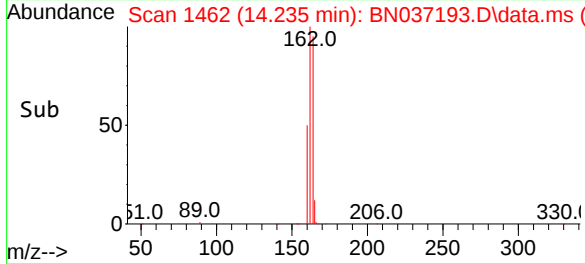
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



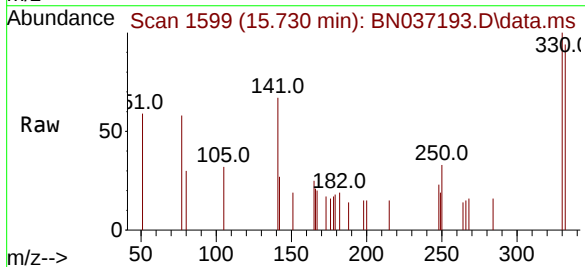
Tgt Ion:164 Resp: 2920
Ion Ratio Lower Upper
164 100
162 105.1 85.5 128.3
160 54.2 44.6 67.0

Manual Integrations
APPROVED

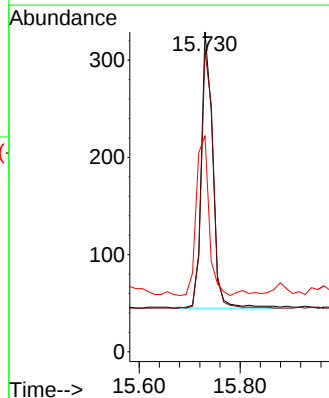
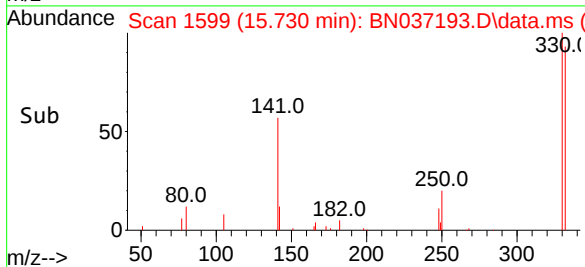
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

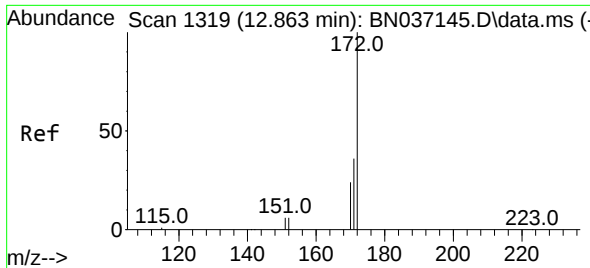


#14
2,4,6-Tribromophenol
Concen: 0.383 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47



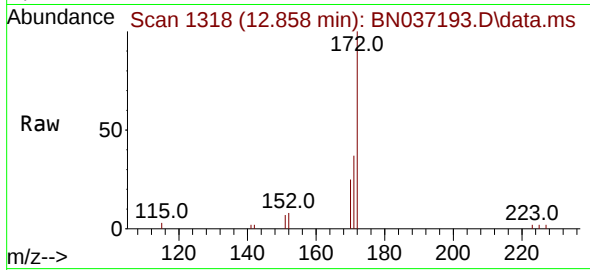
Tgt Ion:330 Resp: 451
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 63.6 46.4 69.6





#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

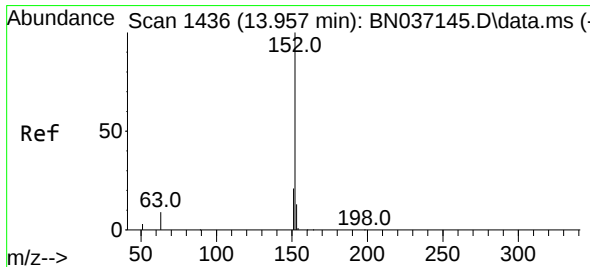
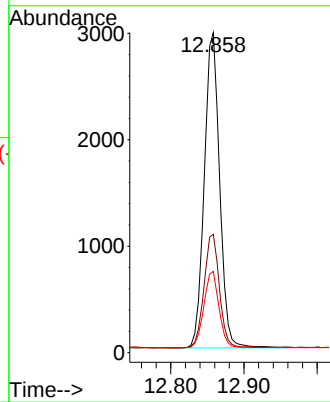
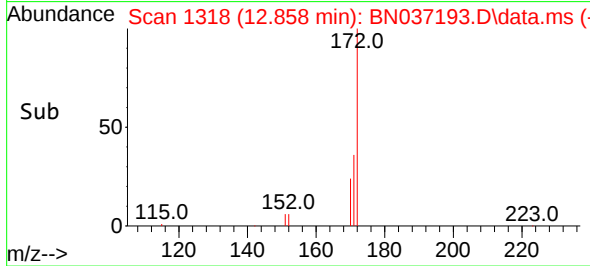
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:172 Resp: 431
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 25.4 20.3 30.5

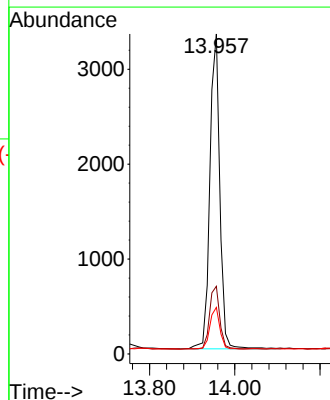
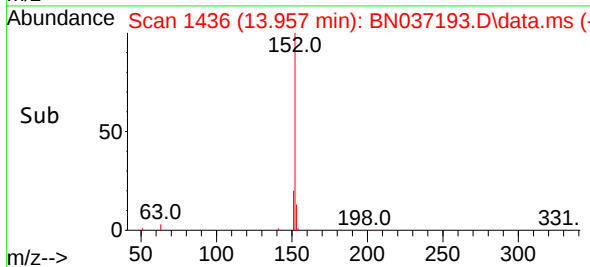
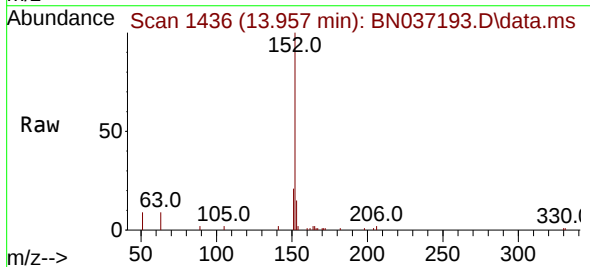
Manual Integrations
APPROVED

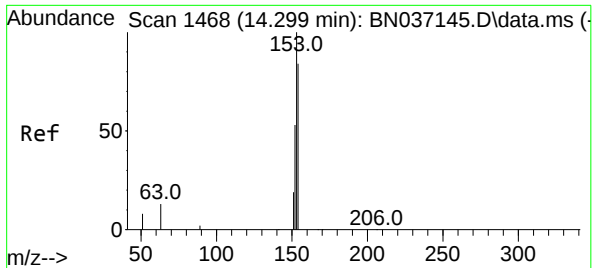
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#16
Acenaphthylene
Concen: 0.372 ng
RT: 13.957 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

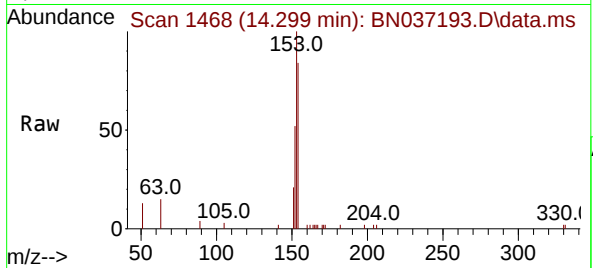
Tgt Ion:152 Resp: 5333
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.4 10.6 15.8





#17
Acenaphthene
Concen: 0.336 ng
RT: 14.299 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

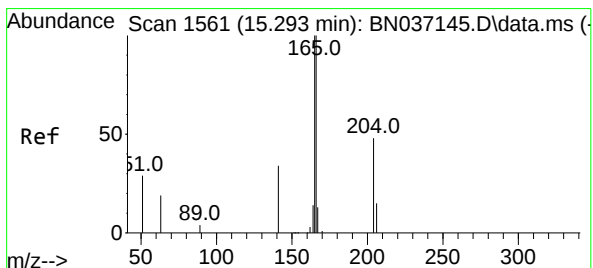
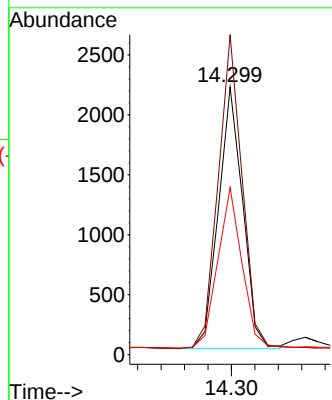
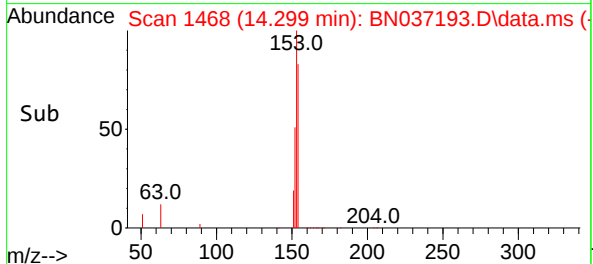
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:154 Resp: 313
Ion Ratio Lower Upper
154 100
153 118.6 93.8 140.8
152 62.3 50.5 75.7

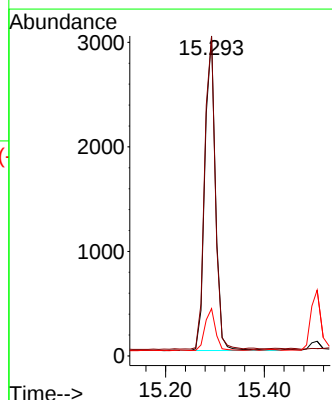
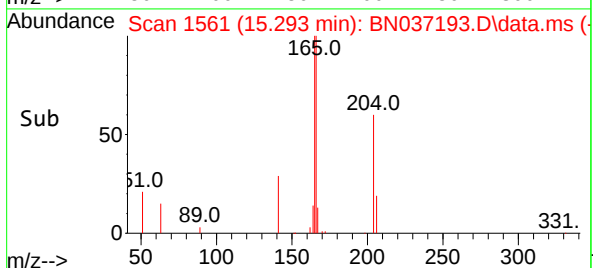
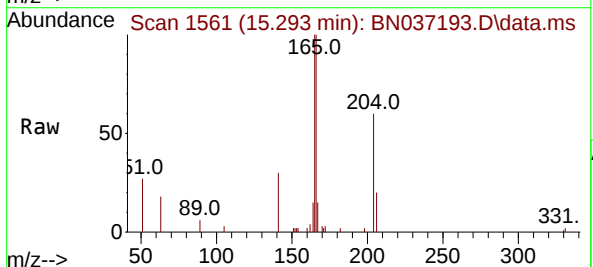
Manual Integrations
APPROVED

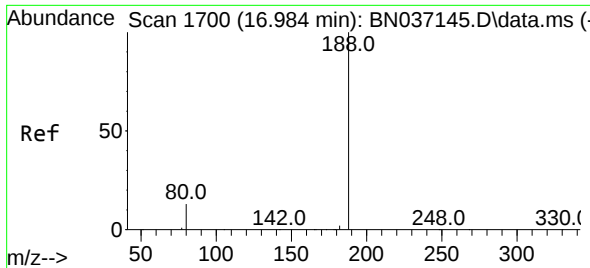
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#18
Fluorene
Concen: 0.365 ng
RT: 15.293 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

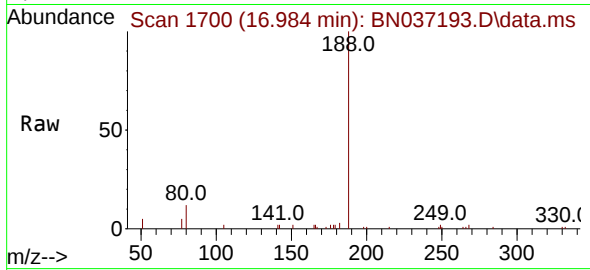
Tgt Ion:166 Resp: 4472
Ion Ratio Lower Upper
166 100
165 99.3 81.1 121.7
167 13.3 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

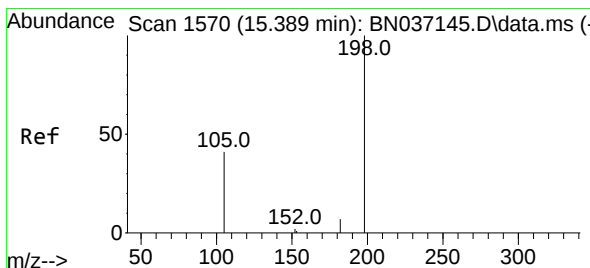
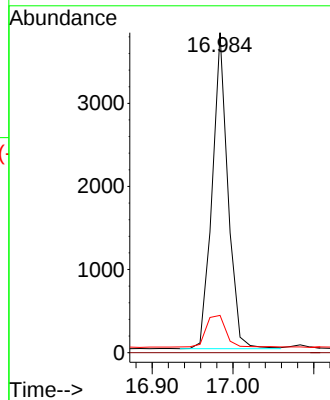
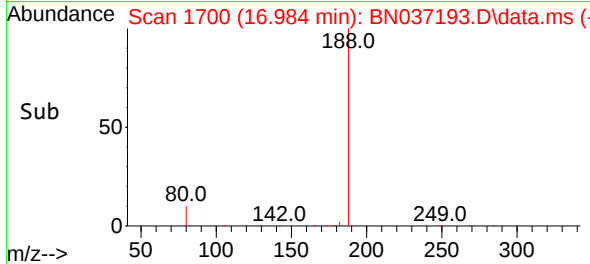
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:188 Resp: 5139
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 11.3 16.9

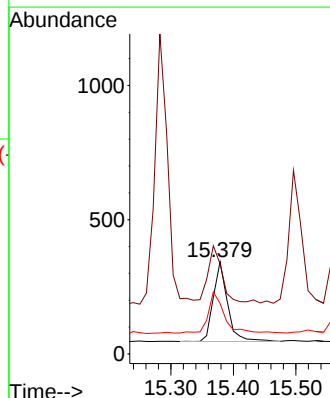
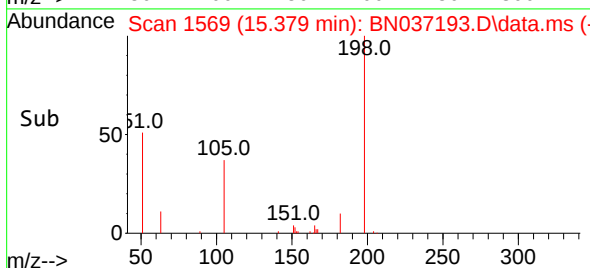
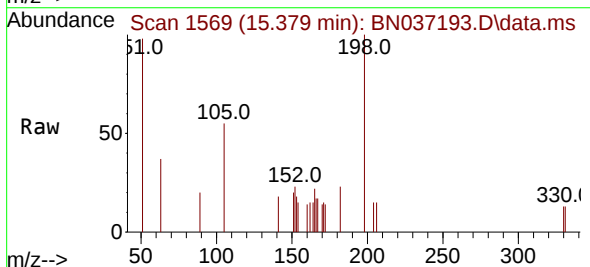
Manual Integrations
APPROVED

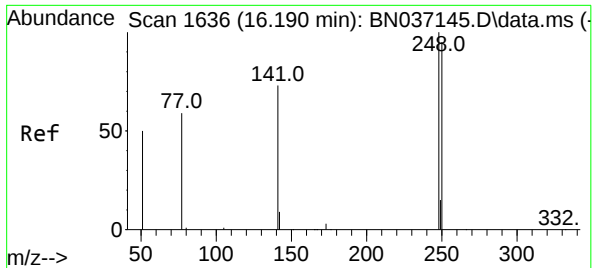
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#20
4,6-Dinitro-2-methylphenol
Concen: 0.587 ng
RT: 15.379 min Scan# 1569
Delta R.T. -0.010 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

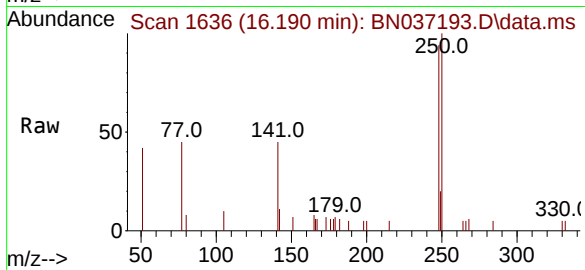
Tgt Ion:198 Resp: 471
Ion Ratio Lower Upper
198 100
51 97.7 125.2 187.8#
105 54.7 57.1 85.7#





#21
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.190 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

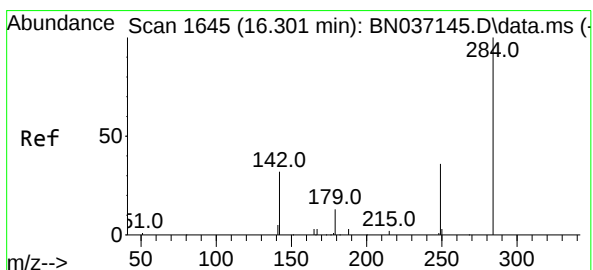
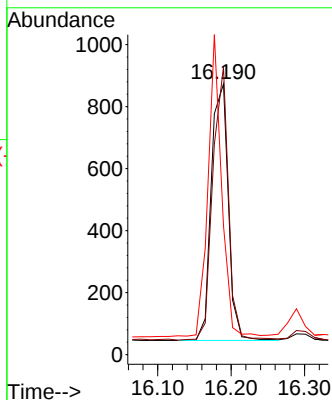
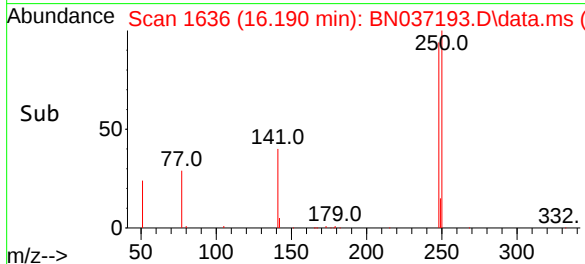
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:248 Resp: 1330
Ion Ratio Lower Upper
248 100
250 106.3 76.1 114.1
141 47.8 60.1 90.1

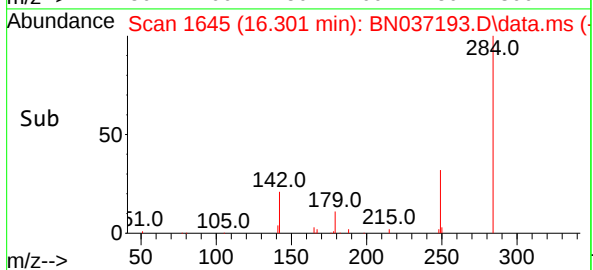
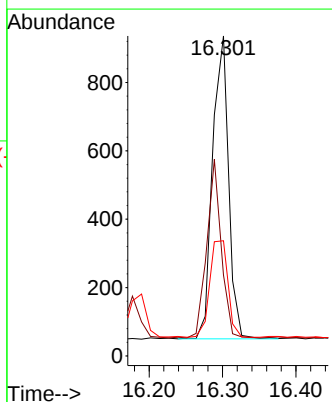
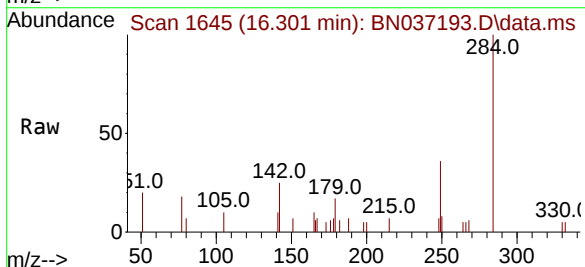
Manual Integrations
APPROVED

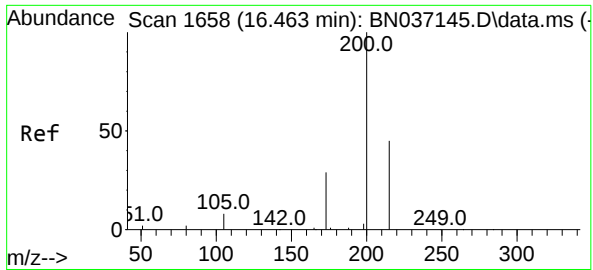
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#22
Hexachlorobenzene
Concen: 0.369 ng
RT: 16.301 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

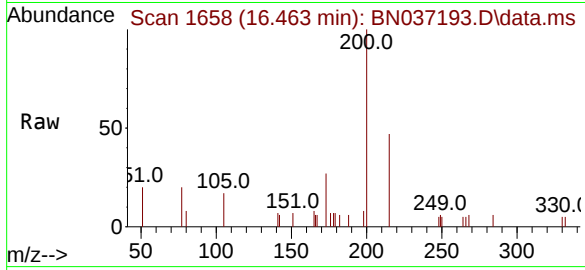
Tgt Ion:284 Resp: 1342
Ion Ratio Lower Upper
284 100
142 53.1 44.0 66.0
249 36.2 29.7 44.5





#23
Atrazine
Concen: 0.426 ng
RT: 16.463 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

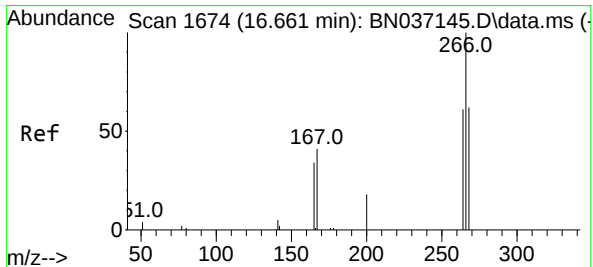
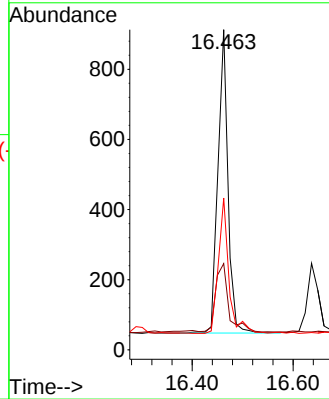
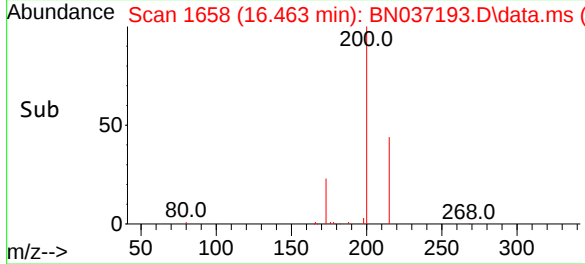
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:200 Resp: 1184
Ion Ratio Lower Upper
200 100
173 26.9 28.1 42.1
215 47.4 39.3 58.9

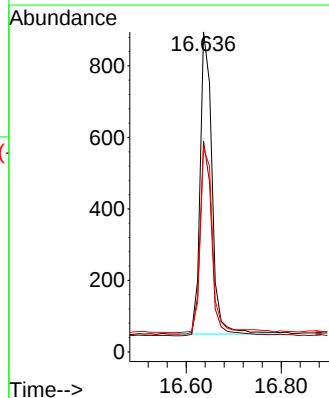
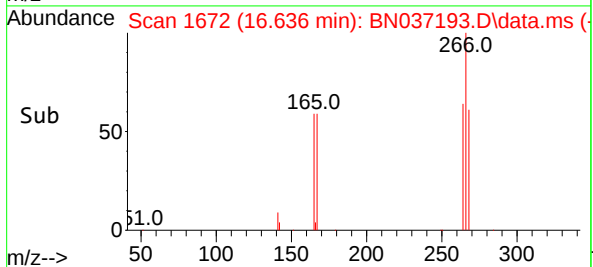
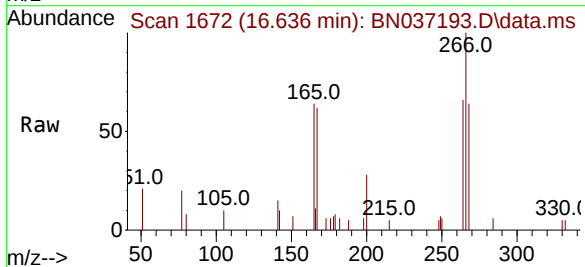
Manual Integrations
APPROVED

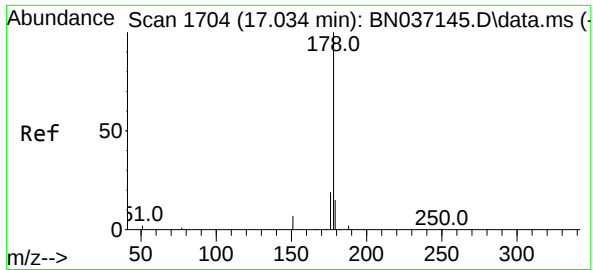
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#24
Pentachlorophenol
Concen: 0.888 ng
RT: 16.636 min Scan# 1672
Delta R.T. -0.025 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

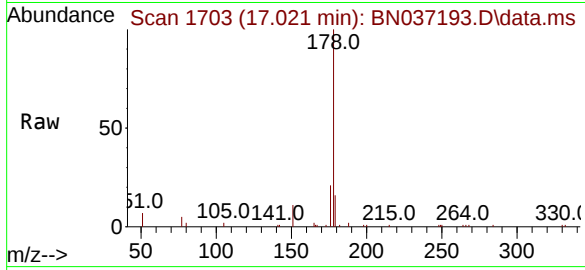
Tgt Ion:266 Resp: 1464
Ion Ratio Lower Upper
266 100
264 63.6 49.3 73.9
268 62.1 49.0 73.4





#25
Phenanthrene
Concen: 0.416 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

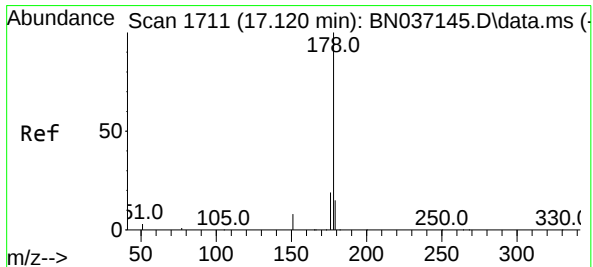
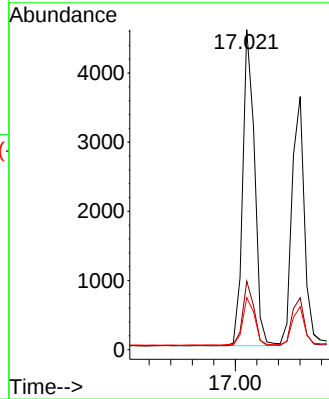
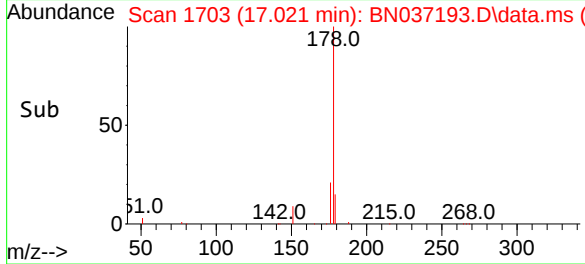
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:178 Resp: 6930
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.1 12.3 18.5

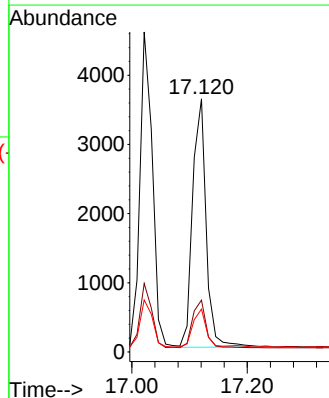
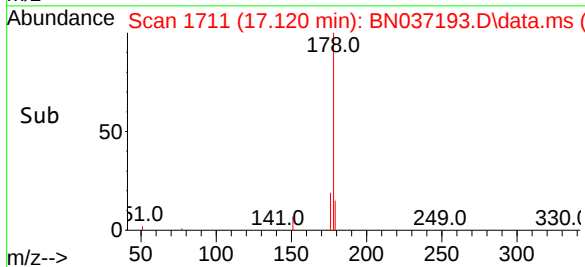
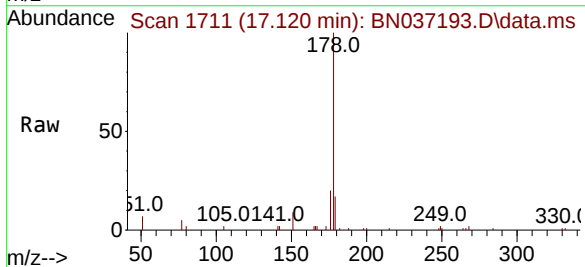
Manual Integrations
APPROVED

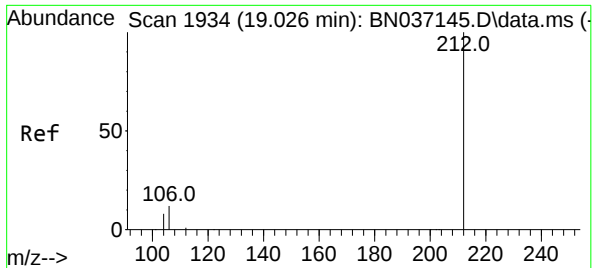
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#26
Anthracene
Concen: 0.387 ng
RT: 17.120 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:178 Resp: 5874
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 14.7 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.022 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Instrument :

BNA_N

ClientSampleId :

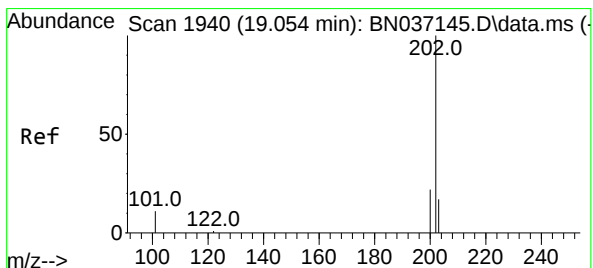
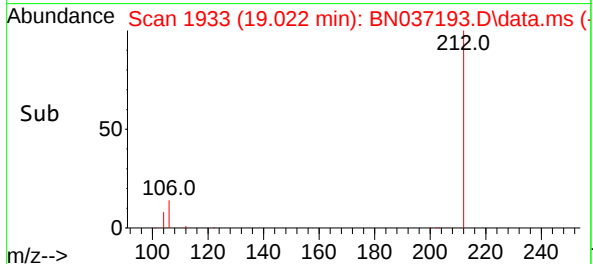
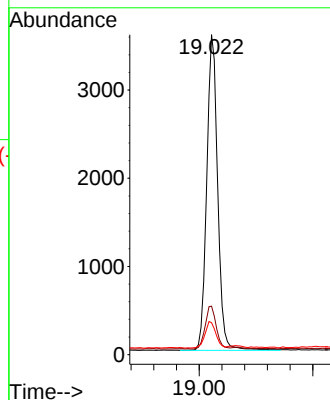
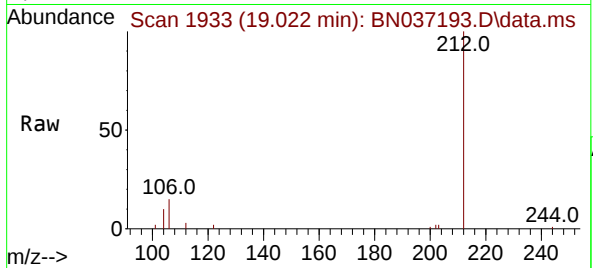
MW-11A-13.5-060525MSD

Tgt Ion:212 Resp: 4775

Ion	Ratio	Lower	Upper
212	100		
106	13.6	10.6	15.8
104	8.3	6.6	9.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#28

Fluoranthene

Concen: 0.370 ng

RT: 19.054 min Scan# 1940

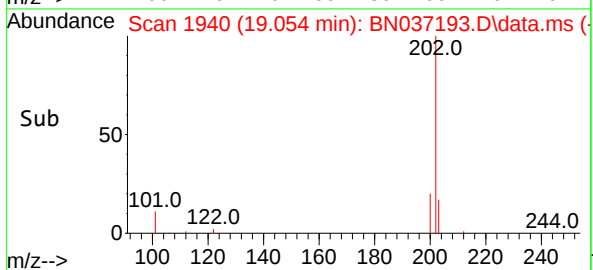
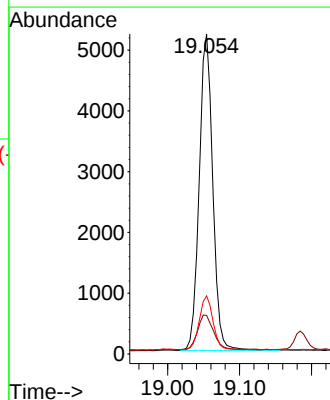
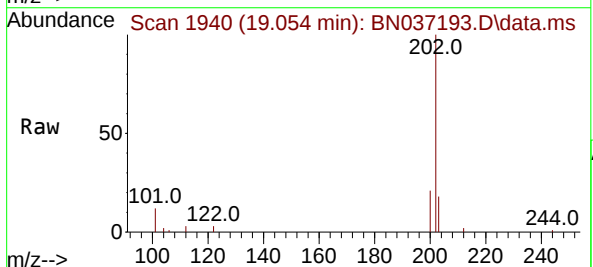
Delta R.T. 0.000 min

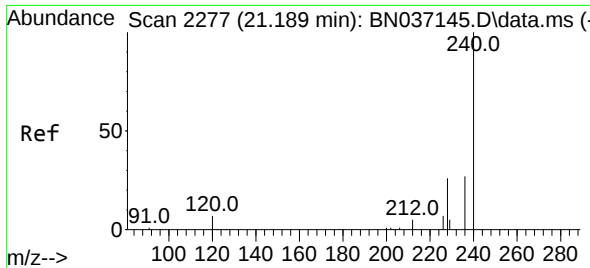
Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Tgt Ion:202 Resp: 6813

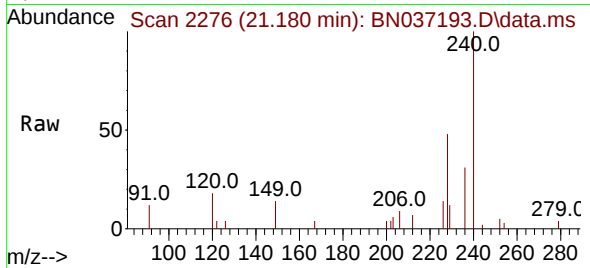
Ion	Ratio	Lower	Upper
202	100		
101	13.6	8.7	13.1#
203	17.2	13.5	20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

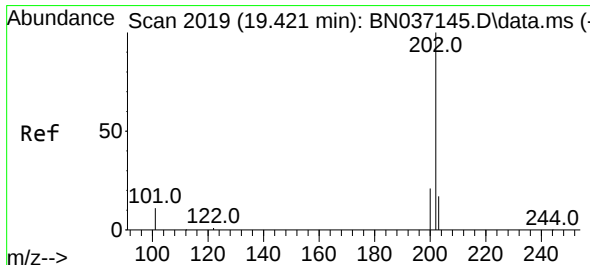
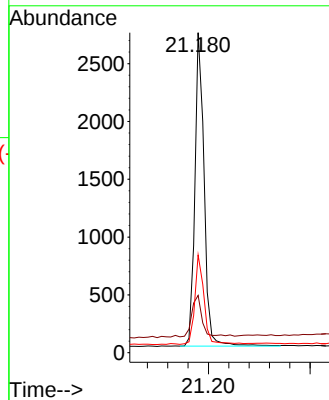
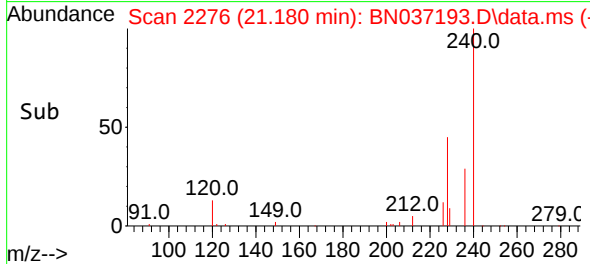
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



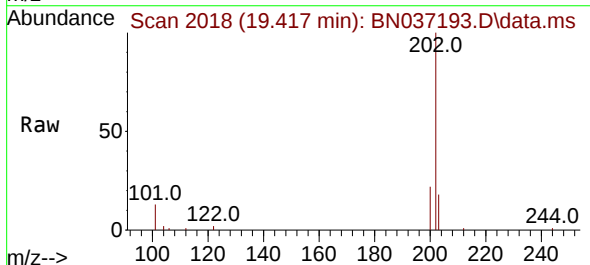
Tgt Ion:240 Resp: 3419
Ion Ratio Lower Upper
240 100
120 17.9 9.0 13.4
236 30.6 23.0 34.4

Manual Integrations
APPROVED

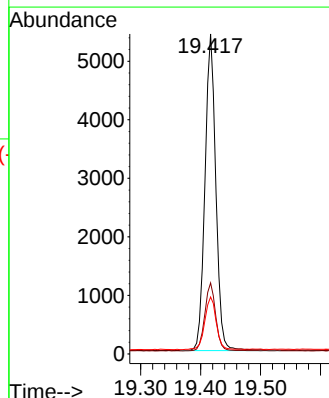
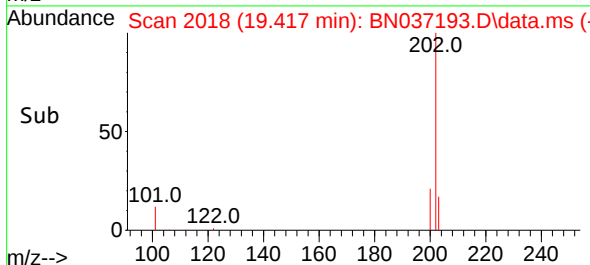
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

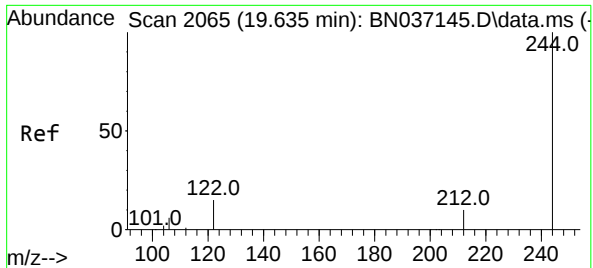


#30
Pyrene
Concen: 0.409 ng
RT: 19.417 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47



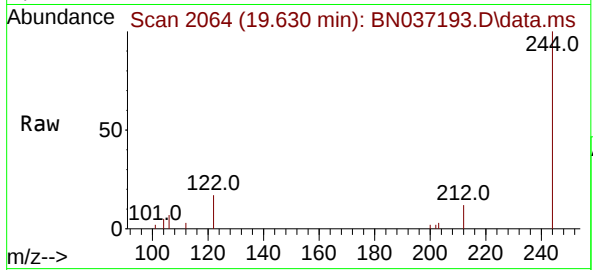
Tgt Ion:202 Resp: 6824
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.6 14.2 21.4





#31
Terphenyl-d14
Concen: 0.452 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

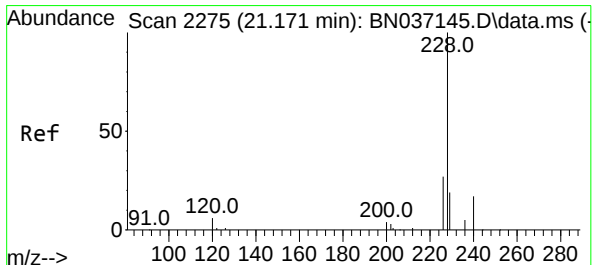
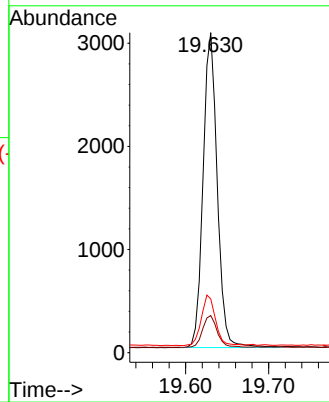
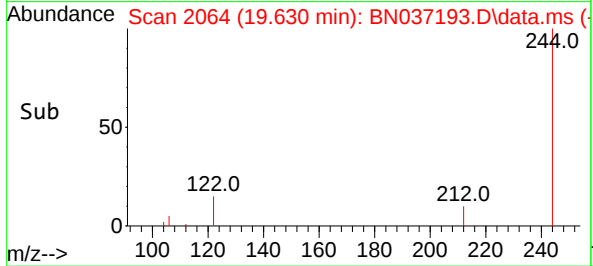
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD



Tgt Ion:244 Resp: 3637
Ion Ratio Lower Upper
244 100
212 11.6 10.0 15.0
122 16.8 13.2 19.8

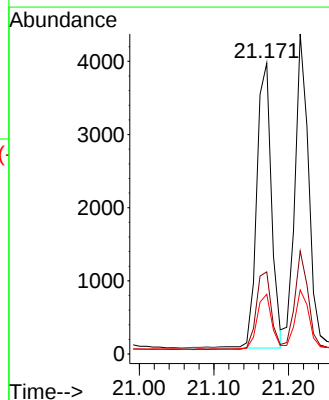
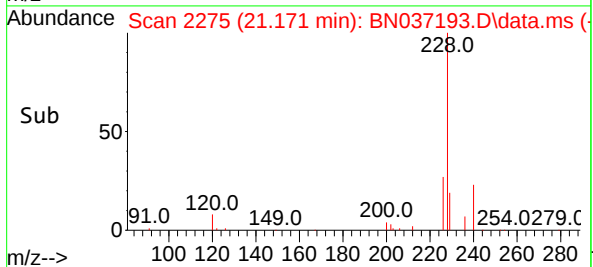
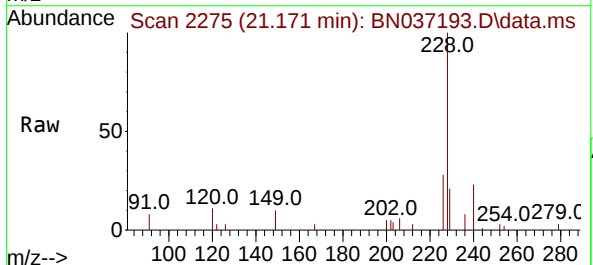
Manual Integrations
APPROVED

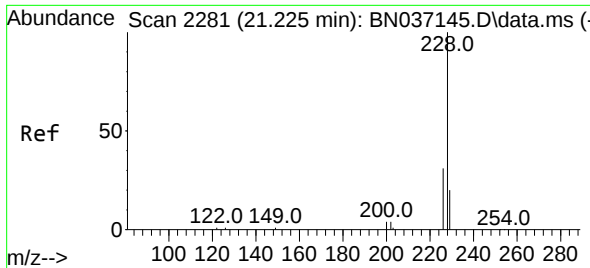
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#32
Benzo(a)anthracene
Concen: 0.431 ng
RT: 21.171 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BN037193.D
Acq: 09 Jun 2025 15:47

Tgt Ion:228 Resp: 5337
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 20.5 16.2 24.2





#33

Chrysene

Concen: 0.412 ng

RT: 21.216 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

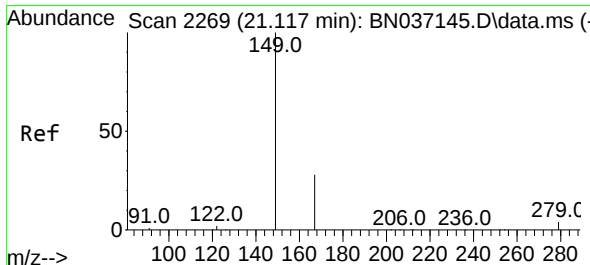
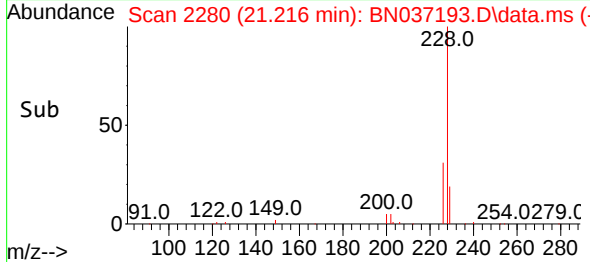
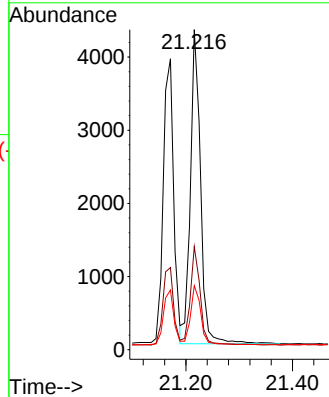
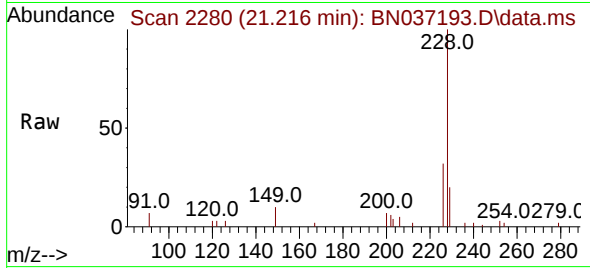
Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MSD

Tgt Ion:	228	Resp:	568
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.2	37.8
229	20.0	16.8	25.2

Manual Integrations
APPROVEDReviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

#34

Bis(2-ethylhexyl)phthalate

Concen: 0.442 ng

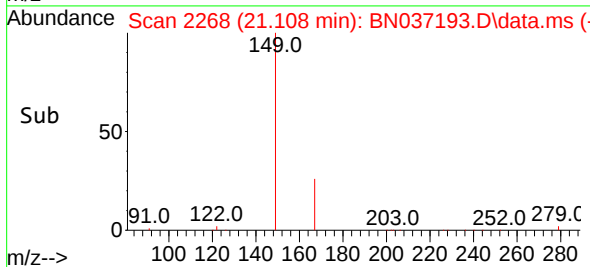
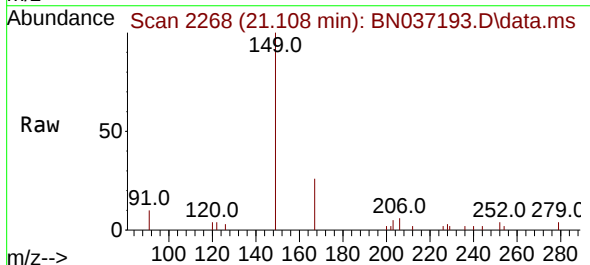
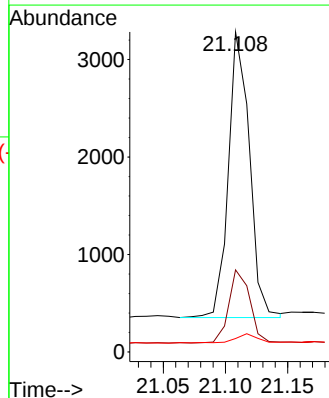
RT: 21.108 min Scan# 2268

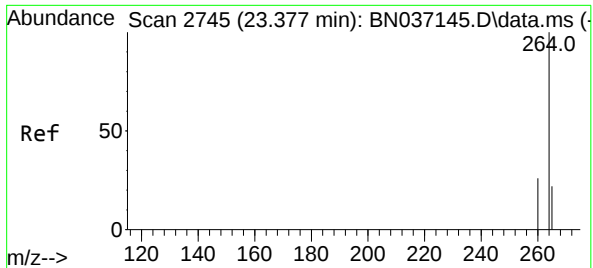
Delta R.T. -0.009 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Tgt Ion:	149	Resp:	3448
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.0	31.4
279	3.7	2.9	4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037193.D

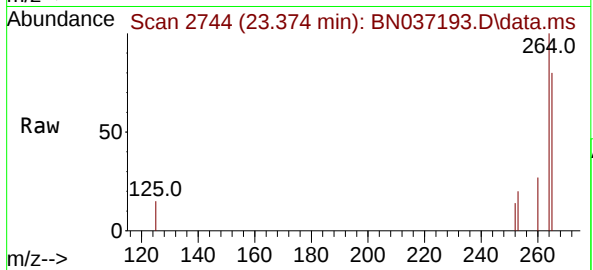
Acq: 09 Jun 2025 15:47

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MSD



Tgt Ion:264 Resp: 3330

Ion Ratio Lower Upper

264 100

260 26.8 22.1 33.1

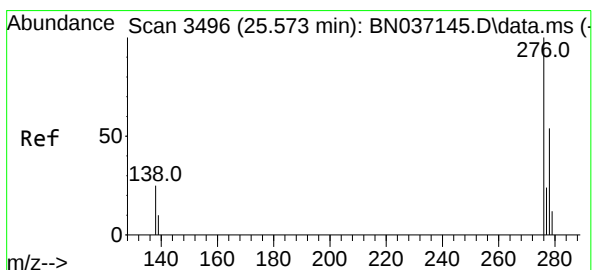
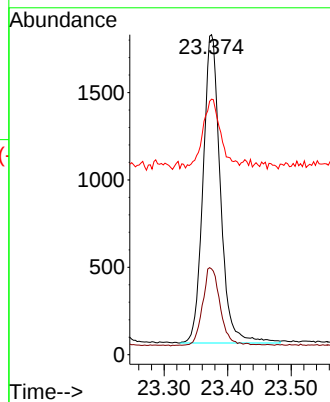
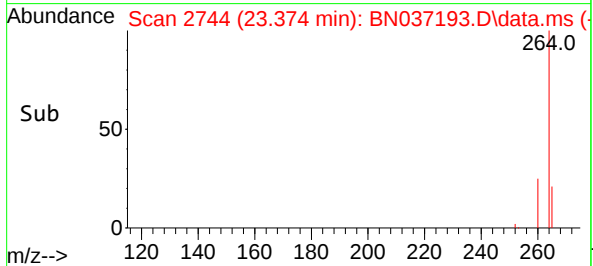
265 79.8 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.409 ng

RT: 25.573 min Scan# 3496

Delta R.T. 0.000 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

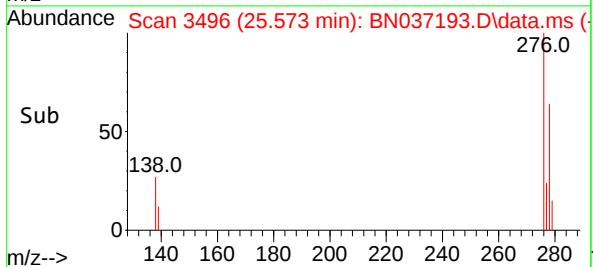
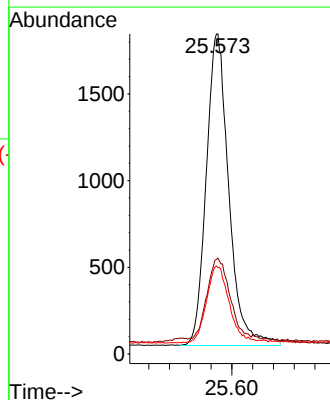
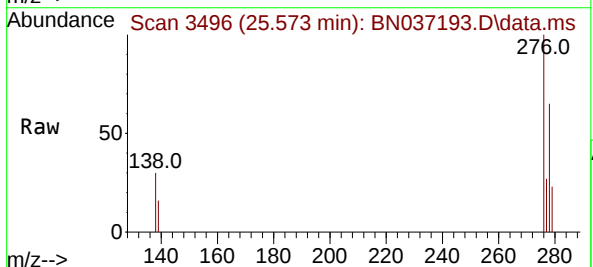
Tgt Ion:276 Resp: 5422

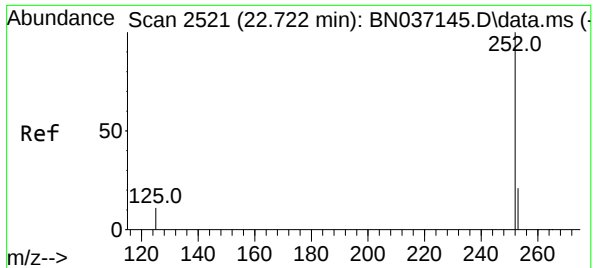
Ion Ratio Lower Upper

276 100

138 26.2 21.0 31.6

277 24.7 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.377 ng m

RT: 22.720 min Scan# 2521

Delta R.T. -0.003 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MSD

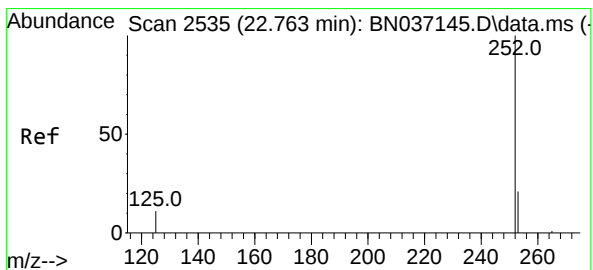
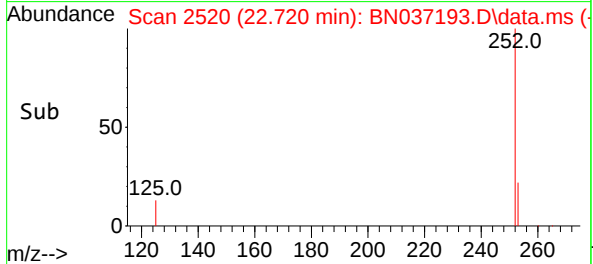
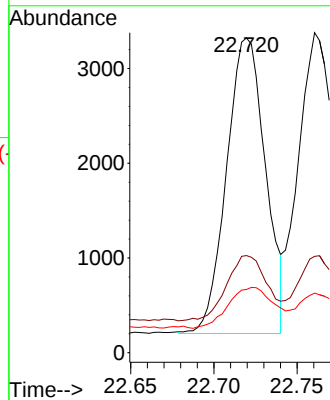
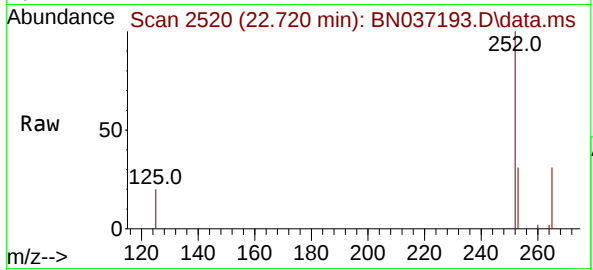
Tgt Ion:252	Resp:	5075
Ion Ratio	Lower	Upper
252	100	
253	30.9	22.3 33.5
125	20.1	13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#38

Benzo(k)fluoranthene

Concen: 0.383 ng

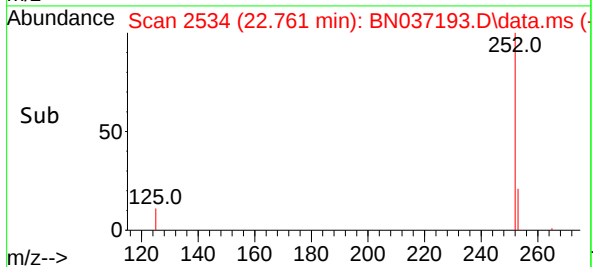
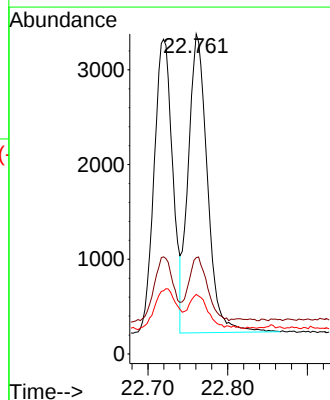
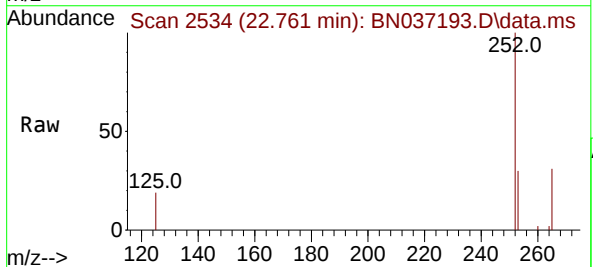
RT: 22.761 min Scan# 2534

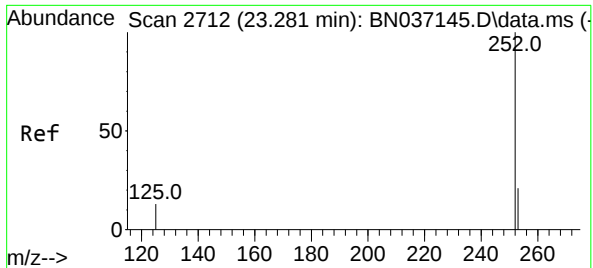
Delta R.T. -0.003 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Tgt Ion:252	Resp:	5262
Ion Ratio	Lower	Upper
252	100	
253	30.1	22.2 33.4
125	18.6	13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Instrument :

BNA_N

ClientSampleId :

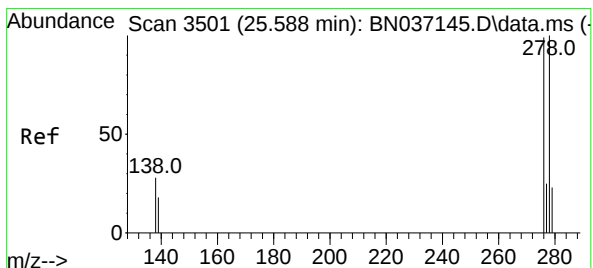
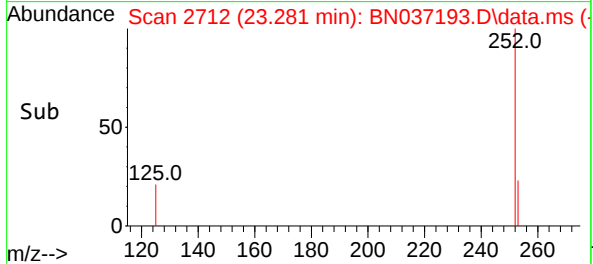
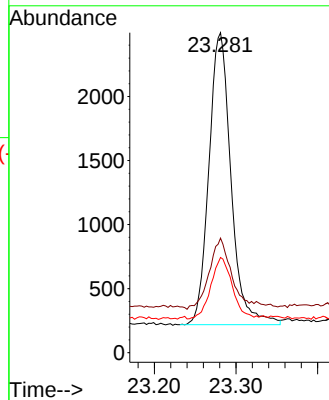
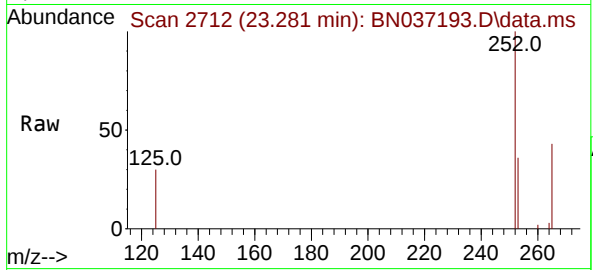
MW-11A-13.5-060525MSD

Tgt Ion:252	Resp:	4280
Ion Ratio	Lower	Upper
252	100	
253	35.8	25.0 37.4
125	29.7	17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.414 ng

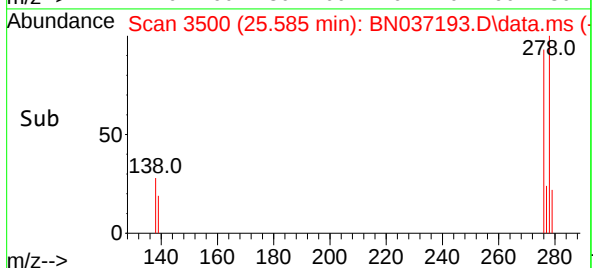
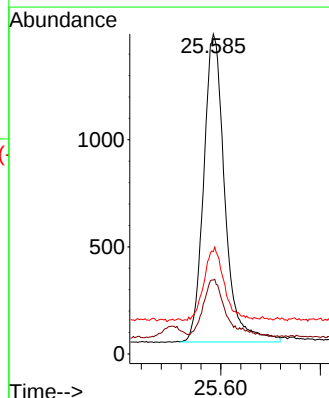
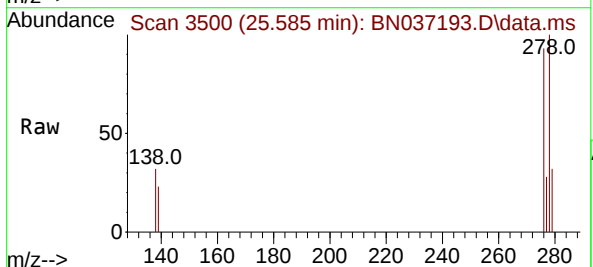
RT: 25.585 min Scan# 3500

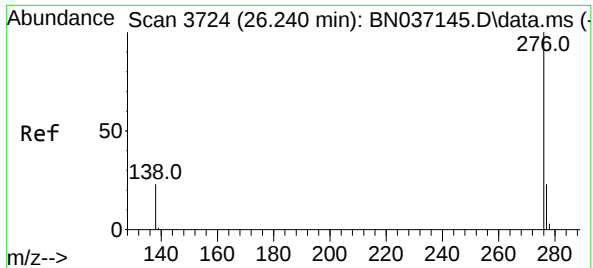
Delta R.T. -0.003 min

Lab File: BN037193.D

Acq: 09 Jun 2025 15:47

Tgt Ion:278	Resp:	4235
Ion Ratio	Lower	Upper
278	100	
139	23.1	17.6 26.4
279	32.0	26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.383 ng

RT: 26.240 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037193.D

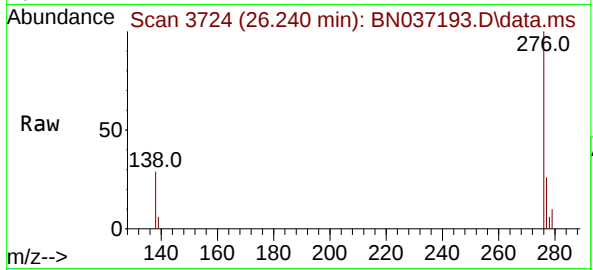
Acq: 09 Jun 2025 15:47

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-060525MSD



Tgt Ion:276 Resp: 4499

Ion Ratio Lower Upper

276 100

277 26.5 20.9 31.3

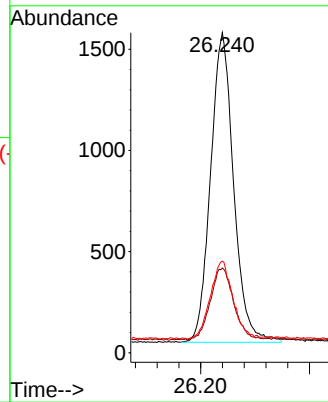
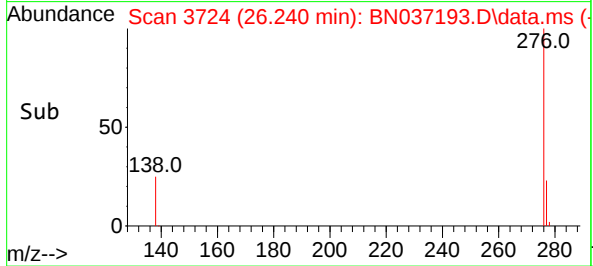
138 28.6 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025





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

Manual Integration Report

Sequence:

BN060325

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BN060925

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2250-02MS	BN037192.D	2-Methylnaphthalene-d10	Rahul	6/10/2025 11:44:39 AM	Jagrut	6/10/2025 1:37:49 PM	Peak Integrated by Software
Q2250-02MS	BN037192.D	Benzo(b)fluoranthene	Rahul	6/10/2025 11:44:39 AM	Jagrut	6/10/2025 1:37:49 PM	Peak Integrated by Software
Q2250-03MSD	BN037193.D	2-Methylnaphthalene-d10	Rahul	6/10/2025 11:44:42 AM	Jagrut	6/10/2025 1:37:52 PM	Peak Integrated by Software
Q2250-03MSD	BN037193.D	Benzo(b)fluoranthene	Rahul	6/10/2025 11:44:42 AM	Jagrut	6/10/2025 1:37:52 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037142.D	03 Jun 2025 10:21	RC/JU	Ok
2	SSTDIC0.1	BN037143.D	03 Jun 2025 11:39	RC/JU	Ok
3	SSTDIC0.2	BN037144.D	03 Jun 2025 12:15	RC/JU	Ok
4	SSTDIC0.4	BN037145.D	03 Jun 2025 12:51	RC/JU	Ok
5	SSTDIC0.8	BN037146.D	03 Jun 2025 13:26	RC/JU	Ok
6	SSTDIC1.6	BN037147.D	03 Jun 2025 14:02	RC/JU	Ok
7	SSTDIC3.2	BN037148.D	03 Jun 2025 14:38	RC/JU	Ok
8	SSTDIC5.0	BN037149.D	03 Jun 2025 15:14	RC/JU	Ok
9	SSTDICV0.4	BN037150.D	03 Jun 2025 15:53	RC/JU	Ok
10	PB168238BL	BN037151.D	03 Jun 2025 17:05	RC/JU	Not Ok
11	Q2181-01	BN037152.D	03 Jun 2025 17:41	RC/JU	Dilution
12	Q2181-01DL	BN037153.D	03 Jun 2025 18:18	RC/JU	Ok
13	SSTDIC0.4	BN037154.D	03 Jun 2025 18:54	RC/JU	Ok
14	DFTPP	BN037155.D	03 Jun 2025 20:10	RC/JU	Ok
15	SSTDIC0.4	BN037156.D	03 Jun 2025 20:49	RC/JU	Ok
16	PB168238BL	BN037157.D	03 Jun 2025 21:25	RC/JU	Not Ok
17	Q2162-03	BN037158.D	03 Jun 2025 22:01	RC/JU	Ok
18	Q2162-07	BN037159.D	03 Jun 2025 22:37	RC/JU	Ok
19	Q2162-09	BN037160.D	03 Jun 2025 23:13	RC/JU	Ok
20	Q2162-10	BN037161.D	03 Jun 2025 23:49	RC/JU	Ok
21	PB168238BS	BN037162.D	04 Jun 2025 00:25	RC/JU	Not Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168238BSD	BN037163.D	04 Jun 2025 01:01	RC/JU	Not Ok
23	SSTDCCC0.4	BN037164.D	04 Jun 2025 02:13	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037188.D	09 Jun 2025 10:15	RC/JU	Ok
2	SSTDCCC0.4	BN037189.D	09 Jun 2025 10:54	RC/JU	Ok
3	PB168336BL	BN037190.D	09 Jun 2025 11:30	RC/JU	Ok
4	Q2250-01	BN037191.D	09 Jun 2025 12:06	RC/JU	Ok
5	Q2250-02MS	BN037192.D	09 Jun 2025 14:33	RC/JU	Ok,M
6	Q2250-03MSD	BN037193.D	09 Jun 2025 15:47	RC/JU	Ok,M
7	Q2251-03	BN037194.D	09 Jun 2025 16:26	RC/JU	Ok
8	Q2251-05	BN037195.D	09 Jun 2025 17:02	RC/JU	Ok
9	Q2251-06	BN037196.D	09 Jun 2025 17:39	RC/JU	Ok
10	Q2253-01	BN037197.D	09 Jun 2025 18:15	RC/JU	Ok
11	Q2253-02	BN037198.D	09 Jun 2025 18:51	RC/JU	Ok
12	Q2250-05	BN037199.D	09 Jun 2025 19:27	RC/JU	Ok
13	Q2254-01	BN037200.D	09 Jun 2025 20:04	RC/JU	Ok
14	PB168336BS	BN037201.D	09 Jun 2025 20:40	RC/JU	Ok
15	SSTDCCC0.4	BN037202.D	09 Jun 2025 21:16	RC/JU	Ok
16	DFTPP	BN037203.D	09 Jun 2025 22:32	RC/JU	Ok
17	SSTDCCC0.4	BN037204.D	09 Jun 2025 23:11	RC/JU	Ok
18	PB168336BL	BN037205.D	09 Jun 2025 23:48	RC/JU	Not Ok
19	Q2234-01	BN037206.D	10 Jun 2025 00:24	RC/JU	Ok
20	Q2234-05	BN037207.D	10 Jun 2025 01:00	RC/JU	Ok
21	Q2234-06	BN037208.D	10 Jun 2025 01:36	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2234-07	BN037209.D	10 Jun 2025 02:12	RC/JU	Dilution
23	Q2250-04	BN037210.D	10 Jun 2025 02:49	RC/JU	Ok
24	Q2209-01	BN037211.D	10 Jun 2025 03:25	RC/JU	Ok
25	Q2210-01	BN037212.D	10 Jun 2025 04:01	RC/JU	Ok
26	Q2234-07DL	BN037213.D	10 Jun 2025 09:49	RC/JU	Ok
27	SSTDCCC0.4	BN037214.D	10 Jun 2025 10:25	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6779 SP6740,1ul/100ul sample SP6768

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037142.D	03 Jun 2025 10:21		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN037143.D	03 Jun 2025 11:39	Compound #20,24 removed from 0.1 PPM	RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN037144.D	03 Jun 2025 12:15		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN037145.D	03 Jun 2025 12:51	Compound #20,24 kept on LR.	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN037146.D	03 Jun 2025 13:26		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN037147.D	03 Jun 2025 14:02		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN037148.D	03 Jun 2025 14:38	Method is good for DOD and NONDOD.	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN037149.D	03 Jun 2025 15:14		RC/JU	Ok
9	SSTDICV0.4	ICVBN060325	BN037150.D	03 Jun 2025 15:53		RC/JU	Ok
10	PB168238BL	PB168238BL	BN037151.D	03 Jun 2025 17:05	Not Used	RC/JU	Not Ok
11	Q2181-01	38072-062624	BN037152.D	03 Jun 2025 17:41	Need 50X Dilution	RC/JU	Dilution
12	Q2181-01DL	38072-062624DL	BN037153.D	03 Jun 2025 18:18		RC/JU	Ok
13	SSTDCCC0.4	SSTDCCC0.4EC	BN037154.D	03 Jun 2025 18:54		RC/JU	Ok
14	DFTPP	DFTPP	BN037155.D	03 Jun 2025 20:10		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4	BN037156.D	03 Jun 2025 20:49		RC/JU	Ok
16	PB168238BL	PB168238BL	BN037157.D	03 Jun 2025 21:25	Not Used	RC/JU	Not Ok
17	Q2162-03	BP-VPB-182-GW-580-5	BN037158.D	03 Jun 2025 22:01		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q2162-07	BP-VPB-182-GW-620-6	BN037159.D	03 Jun 2025 22:37		RC/JU	Ok
19	Q2162-09	BP-VPB-182-DUP-2025	BN037160.D	03 Jun 2025 23:13		RC/JU	Ok
20	Q2162-10	BP-VPB-182-EB-20250	BN037161.D	03 Jun 2025 23:49		RC/JU	Ok
21	PB168238BS	PB168238BS	BN037162.D	04 Jun 2025 00:25	Recovery Fail for 1,4 Dioxane from low side	RC/JU	Not Ok
22	PB168238BSD	PB168238BSD	BN037163.D	04 Jun 2025 01:01	Recovery Fail for 1,4 Dioxane from low side	RC/JU	Not Ok
23	SSTDCCC0.4	SSTDCCC0.4EC	BN037164.D	04 Jun 2025 02:13		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037188.D	09 Jun 2025 10:15		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037189.D	09 Jun 2025 10:54		RC/JU	Ok
3	PB168336BL	PB168336BL	BN037190.D	09 Jun 2025 11:30		RC/JU	Ok
4	Q2250-01	MW-11A-13.5-060525	BN037191.D	09 Jun 2025 12:06		RC/JU	Ok
5	Q2250-02MS	MW-11A-13.5-060525M	BN037192.D	09 Jun 2025 14:33		RC/JU	Ok,M
6	Q2250-03MSD	MW-11A-13.5-060525M	BN037193.D	09 Jun 2025 15:47		RC/JU	Ok,M
7	Q2251-03	BP-VPB-182-GW-760-7	BN037194.D	09 Jun 2025 16:26		RC/JU	Ok
8	Q2251-05	BP-VPB-182-EB-20250	BN037195.D	09 Jun 2025 17:02		RC/JU	Ok
9	Q2251-06	VPB182-HYD-2025060	BN037196.D	09 Jun 2025 17:39		RC/JU	Ok
10	Q2253-01	RW8-SP100-20250605	BN037197.D	09 Jun 2025 18:15		RC/JU	Ok
11	Q2253-02	RW8-SP303-20250605	BN037198.D	09 Jun 2025 18:51		RC/JU	Ok
12	Q2250-05	EB02-060525	BN037199.D	09 Jun 2025 19:27		RC/JU	Ok
13	Q2254-01	BP-VPB-182-GW-810-8	BN037200.D	09 Jun 2025 20:04		RC/JU	Ok
14	PB168336BS	PB168336BS	BN037201.D	09 Jun 2025 20:40		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4EC	BN037202.D	09 Jun 2025 21:16		RC/JU	Ok
16	DFTPP	DFTPP	BN037203.D	09 Jun 2025 22:32		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4	BN037204.D	09 Jun 2025 23:11		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6779 SP6740,1ul/100ul sample SP6768

18	PB168336BL	PB168336BL	BN037205.D	09 Jun 2025 23:48	analyzed to check contamination.	RC/JU	Not Ok
19	Q2234-01	MW-17B-55-060425	BN037206.D	10 Jun 2025 00:24		RC/JU	Ok
20	Q2234-05	MW-18B-56-060425	BN037207.D	10 Jun 2025 01:00		RC/JU	Ok
21	Q2234-06	MW-18B-56-060425-FD	BN037208.D	10 Jun 2025 01:36		RC/JU	Ok
22	Q2234-07	MW-19B-72-060425	BN037209.D	10 Jun 2025 02:12	Need 2X dilutiion	RC/JU	Dilution
23	Q2250-04	MW-06-6.5-060525	BN037210.D	10 Jun 2025 02:49		RC/JU	Ok
24	Q2209-01	P01W	BN037211.D	10 Jun 2025 03:25		RC/JU	Ok
25	Q2210-01	TW1	BN037212.D	10 Jun 2025 04:01		RC/JU	Ok
26	Q2234-07DL	MW-19B-72-060425DL	BN037213.D	10 Jun 2025 09:49		RC/JU	Ok
27	SSTDCCC0.4	SSTDCCC0.4EC	BN037214.D	10 Jun 2025 10:25		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weight By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 06/06/2025

Extraction Start Time : 11:54

Extraction End Date : 06/06/2025

Extraction End Time : 17:10

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6756
Surrogate	1.0ML	0.4 PPM	SP6758
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	E3939
Baked Na2SO4	N/A	EP2620
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 10 N NaOH.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/6/25	RS (EXT-Lab)	JH / SVOC
17:15	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 06/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168336BL	SBLK336	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB168336BS	SLCS336	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
Q2209-01	P01W	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	C		3
Q2210-01	TW1	SVOCMS Group2	1000	6	RUPESH	ritesh	1	E		4
Q2234-01	MW-17B-55-060425	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	H		5
Q2234-05	MW-18B-56-060425	SVOC-SIMGrou p1	970	11	RUPESH	ritesh	1	E		6
Q2234-06	MW-18B-56-060425-FD	SVOC-SIMGrou p1	1000	11	RUPESH	ritesh	1	E		7
Q2234-07	MW-19B-72-060425	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	E		8
Q2250-01	MW-11A-13.5-060525	SVOC-SIMGrou p1	930	6	RUPESH	ritesh	1	E		9
Q2250-02	Q2250-01MS	SVOC-SIMGrou p1	960	6	RUPESH	ritesh	1	E		10
Q2250-03	Q2250-01MSD	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	E		11
Q2250-04	MW-06-6.5-060525	SVOC-SIMGrou p1	970	6	RUPESH	ritesh	1	A		12
Q2250-05	EB02-060525	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	J		13
Q2251-03	BP-VPB-182-GW-760-762	SVOC-SIMGrou p1	850	6	RUPESH	ritesh	1	C		14
Q2251-05	BP-VPB-182-EB-20250604	SVOC-SIMGrou p1	870	6	RUPESH	ritesh	1	C		15
Q2251-06	VPB182-HYD-20250605	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1	C		16
Q2253-01	RW8-SP100-20250605	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	B		SEP-1
Q2253-02	RW8-SP100-20250605 RW8-SP103-20250605	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	D		2
Q2254-01	BP-VPB-182-GW-810-812	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1			3

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2250 WorkList ID : 190013 Department : Extraction Date : 06-06-2025 11:47:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2209-01	P01W	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	N31	06/04/2025	8270-Modified
Q2210-01	TW1	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L31	06/03/2025	8270-Modified
Q2234-01	MW-17B-55-060425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2234-05	MW-18B-56-060425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2234-06	MW-18B-56-060425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2234-07	MW-19B-72-060425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2250-01	MW-11A-13.5-060525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-02	Q2250-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-03	Q2250-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-04	MW-06-6.5-060525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-05	EB02-060525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2251-03	BP-VPB-182-GW-760-762	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	L31	06/03/2025	8270-Modified
Q2251-05	BP-VPB-182-EB-20250604	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	L31	06/04/2025	8270-Modified
Q2251-06	VPB 182-HYD-20250605	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	L31	06/05/2025	8270-Modified
Q2253-01	RW8-SP100-20250605	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	D21	06/05/2025	8270-Modified
Q2253-02	RW8-SP100-20250605 RW8-SP100-20250605	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	D21	06/05/2025	8270-Modified
Q2254-01	BP-VPB-182-GW-810-812	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	D21	06/05/2025	8270-Modified

Date/Time 6/6/25 11:47
Raw Sample Received by: RS (Ext-606)
Raw Sample Relinquished by: JD (CSM)

Date/Time 6/6/25 12:45
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: RS (Ext-606)



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt. Kemble Ave., Suite 100
CITY: Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Vinfante, John.Vinfante@Jacobs.com
PHONE: _____ FAX: _____

PROJECT NAME: STC Princeton
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: _____ FAX: _____

BILL TO: Mary Murphy PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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. Site Specific VOCs (57605-1000)
2. 114-Dioxane (182705-500)
3. Total Metals (166708-500)
4. Dissolved Iron (166708-500)
5. Alkalinity (15m 420B)
6. TDS (5m 2540C)
7. Anions (9066)
8. Trace VOCs (5FAMOL-1-500)
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES								COMMENTS	
			COMP	GRAB	DATE	TIME		A/E	E	B/E	B/E	E	E	E	A/E	← Specify Preservatives	
1.	MW-17B-55-060425	GW		X	6/4/25	1140	20	X	X	X	X	X	X	X		MS/MSD*	
2.	MW-17B-55-060425-SIM	GW		X	6/4/25	1145	3								X		
3.	MW-18B-56-060425	GW		X	6/4/25	1230	7		X	X	X	X	X	X			
4.	MW-18B-56-060425-FD	GW		X	6/4/25	1250	7		X	X	X	X	X	X			
5.	MW-19B-72-060425	GW		X	6/4/25	1550	7		X	X	X	X	X	X			
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: _____ DATE/TIME: _____ RECEIVED BY: 6-5-25
1. [Signature] 6/4/25 1830 1. [Signature] 0700
RELINQUISHED BY SAMPLER: _____ DATE/TIME: _____ RECEIVED BY: _____
2. _____ 2. _____
RELINQUISHED BY SAMPLER: _____ DATE/TIME: _____ RECEIVED BY: _____
3. _____ 3. _____

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.8°C

Comments: See work order for list of site specific VOCs
*MW-17B MS/MSD is for total metals, dissolved iron, alkalinity, TDS, and anions only
- Dissolved iron is field filtered
- PO# 148064311, 3 sample coolers

Page 1 of 2 CLIENT: ☐ Hand Delivered ☐ Other _____ 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 : Q2234	JACO05	Order Date : 6/5/2025 10:52:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 3
Client Contact : John Ynfante		Receive DateTime : 6/5/2025 7:00:00 AM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2234-01	MW-17B-55-060425	Water	06/04/2025	11:40					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2234-04	MW-17B-55-060425-SIM	Water	06/04/2025	11:40					
				11:45	VOC-TRACE-SFAM		SFAM_Trace	10 Bus. Days	

Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room