

Cover Page

Order ID : Q2869

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q2869-01
Q2869-02
Q2869-03
Q2869-04
Q2869-05
Q2869-06
Q2869-07
Q2869-08
Q2869-09
Q2869-10
Q2869-11

Client Sample Number

MW-19B-71.5-081325
MW-19B-71.5-081325
MW-01-6.5-081325
MW-11A-13.5-081325
MW-19B-71.5-081325-FD
MW-19B-71.5-081325-FD
EB01-081325
EB01-081325
MW-19B-71.5-081325-SIM
EB02-081325
TB01-081325

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

Signature : _____

Date: 8/21/2025

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 #: Q2869

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: 08/21/2025

LAB CHRONICLE

OrderID:	Q2869	OrderDate:	8/14/2025 9:15:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2869-01	MW-19B-71.5-081325	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/19/25	08/13/25
Q2869-01DL	MW-19B-71.5-081325 DL	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/20/25	08/13/25
Q2869-03	MW-01-6.5-081325	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/19/25	08/13/25
Q2869-04	MW-11A-13.5-081325	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/19/25	08/13/25
Q2869-05	MW-19B-71.5-081325 -FD	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/19/25	08/13/25
Q2869-07	EB01-081325	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/19/25	08/13/25
Q2869-10	EB02-081325	Water	SVOC-SIMGroup1	8270-Modified	08/13/25	08/18/25	08/19/25	08/13/25



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Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: Q2869
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-19B-71.5-081325						
Q2869-01	MW-19B-71.5-081325	WATER 1,4-Dioxane	5.700	E	0.07	0.22	ug/L
		Total Svoc :			5.70		
		Total Concentration:			5.70		
Client ID :	MW-19B-71.5-081325DL						
Q2869-01DL	MW-19B-71.5-081325DI	WATER 1,4-Dioxane	5.700	D	0.14	0.43	ug/L
		Total Svoc :			5.70		
		Total Concentration:			5.70		
Client ID :	MW-11A-13.5-081325						
Q2869-04	MW-11A-13.5-081325	WATER 1,4-Dioxane	2.300		0.07	0.21	ug/L
		Total Svoc :			2.30		
		Total Concentration:			2.30		
Client ID :	MW-19B-71.5-081325-FD						
Q2869-05	MW-19B-71.5-081325-FI	WATER 1,4-Dioxane	5.000		0.07	0.21	ug/L
		Total Svoc :			5.00		
		Total Concentration:			5.00		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169286BL	PB169286BL	2-Methylnaphthalene-d10	0.4	0.32	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.33	83		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
PB169286BS	PB169286BS	2-Methylnaphthalene-d10	0.4	0.33	82		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.31	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	87		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.35	88		30 (54)	130 (175)
Q2842-04MS	MW-17B-55.5-08122025MS	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2842-05MSD	MW-17B-55.5-08122025MSD	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2869-01	MW-19B-71.5-081325	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	92		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	120		30 (54)	130 (175)
Q2869-01DL	MW-19B-71.5-081325DL	2-Methylnaphthalene-d10	0.4	0.29	72		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	87		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	86		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	89		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	120		30 (54)	130 (175)
Q2869-03	MW-01-6.5-081325	2-Methylnaphthalene-d10	0.4	0.23	58		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	84		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.27	67		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	79		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	112		30 (54)	130 (175)
Q2869-04	MW-11A-13.5-081325	2-Methylnaphthalene-d10	0.4	0.29	72		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.41	101		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.50	125		30 (54)	130 (175)
Q2869-05	MW-19B-71.5-081325-FD	2-Methylnaphthalene-d10	0.4	0.27	68		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	77		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	91		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	119		30 (54)	130 (175)
Q2869-07	EB01-081325	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.39	97		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.49	123		30 (54)	130 (175)
Q2869-10	EB02-081325	2-Methylnaphthalene-d10	0.4	0.24	61		30 (20)	150 (139)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2869-10	EB02-081325	Fluoranthene-d10	0.4	0.34	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.27	67		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.28	69		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2869

Analytical Method: SW8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN037605.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2842-04MS		Client Sample ID: MW-17B-55.5-08122025MS									
1,4-Dioxane	0.43	2.90	3.00	ug/L	23				20 (10)	160 (175)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2869

Analytical Method: SW8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN037606.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2842-05MSD	Client Sample ID:	MW-17B-55.5-08122025MSD								
1,4-Dioxane	0.42	2.90	3.00	ug/L	24		4		20 (10)	160 (175)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN037630.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169286BS	1,4-Dioxane	0.4	0.30	ug/L	75				20 (65)	160 (116)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169286BL

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q2869

Lab File ID: BN037619.D

Lab Sample ID: PB169286BL

Instrument ID: BNA_N

Date Extracted: 08/18/2025

Matrix: (soil/water) Water

Date Analyzed: 08/20/2025

Level: (low/med) LOW

Time Analyzed: 04:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169286BS	PB169286BS	BN037630.D	08/20/2025
MW-17B-55.5-08122025MS	Q2842-04MS	BN037605.D	08/19/2025
MW-17B-55.5-08122025MSD	Q2842-05MSD	BN037606.D	08/19/2025
MW-19B-71.5-081325	Q2869-01	BN037608.D	08/19/2025
MW-01-6.5-081325	Q2869-03	BN037609.D	08/19/2025
MW-11A-13.5-081325	Q2869-04	BN037610.D	08/19/2025
MW-19B-71.5-081325-FD	Q2869-05	BN037611.D	08/19/2025
EB01-081325	Q2869-07	BN037612.D	08/19/2025
EB02-081325	Q2869-10	BN037613.D	08/19/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037576.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q2869
DFTPP Injection Date: 08/12/2025
DFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	84.5
443	15.0 - 24.0% of mass 442	16.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037578.D	08/12/2025	16:26
SSTDICC0.2	SSTDICC0.2	BN037579.D	08/12/2025	17:03
SSTDICCC0.4	SSTDICCC0.4	BN037580.D	08/12/2025	17:39
SSTDICC0.8	SSTDICC0.8	BN037581.D	08/12/2025	18:16
SSTDICC1.6	SSTDICC1.6	BN037582.D	08/12/2025	18:52
SSTDICC3.2	SSTDICC3.2	BN037583.D	08/12/2025	19:29
SSTDICC5.0	SSTDICC5.0	BN037584.D	08/12/2025	20:05



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037599.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q2869
DFTPP Injection Date: 08/19/2025
DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
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
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	97.7
443	15.0 - 24.0% of mass 442	17.9 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037600.D	08/19/2025	10:39
MW-17B-55.5-08122025MS	Q2842-04MS	BN037605.D	08/19/2025	13:40
MW-17B-55.5-08122025MSD	Q2842-05MSD	BN037606.D	08/19/2025	14:17
MW-19B-71.5-081325	Q2869-01	BN037608.D	08/19/2025	15:29
MW-01-6.5-081325	Q2869-03	BN037609.D	08/19/2025	16:05
MW-11A-13.5-081325	Q2869-04	BN037610.D	08/19/2025	16:42
MW-19B-71.5-081325-FD	Q2869-05	BN037611.D	08/19/2025	17:18
EB01-081325	Q2869-07	BN037612.D	08/19/2025	17:54
EB02-081325	Q2869-10	BN037613.D	08/19/2025	18:30



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN037617.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q2869
DFTPP Injection Date: 08/20/2025
DFTPP Injection Time: 03:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (0.9) 1
69	Mass 69 relative abundance	39.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
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
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	78.3
443	15.0 - 24.0% of mass 442	14.9 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037618.D	08/20/2025	04:14
PB169286BL	PB169286BL	BN037619.D	08/20/2025	04:50
MW-19B-71.5-081325DL	Q2869-01DL	BN037622.D	08/20/2025	06:38
PB169286BS	PB169286BS	BN037630.D	08/20/2025	11:25

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID : SSTDCCC0.4

Date Analyzed: 08/19/2025

Lab File ID: BN037600.D

Time Analyzed: 10:39

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	2628	7.717	6457	10.50	3216	14.34
UPPER LIMIT	5256	8.217	12914	10.998	6432	14.844
LOWER LIMIT	1314	7.217	3228.5	9.998	1608	13.844
EPA SAMPLE NO.						
01 EB02-081325	2371	7.72	5789	10.50	2832	14.35
02 MW-17B-55.5-08122025MS	2023	7.72	4765	10.50	2380	14.35
03 MW-17B-55.5-08122025MSD	2022	7.72	4839	10.50	2406	14.34
04 MW-19B-71.5-081325	2200	7.72	5205	10.50	2609	14.35
05 MW-01-6.5-081325	2151	7.72	5200	10.50	2532	14.35
06 MW-11A-13.5-081325	2495	7.72	6050	10.50	2961	14.35
07 MW-19B-71.5-081325-FD	2373	7.72	5766	10.50	2949	14.35
08 EB01-081325	2243	7.72	5421	10.50	2768	14.35

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID: SSTDCCC0.4

Date Analyzed: 08/19/2025

Lab File ID: BN037600.D

Time Analyzed: 10:39

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	6293	17.086	5356	21.267	5379	23.504
UPPER LIMIT	12586	17.586	10712	21.767	10758	24.004
LOWER LIMIT	3146.5	16.586	2678	20.767	2689.5	23.004
EPA SAMPLE NO.						
01 EB02-081325	5676	17.09	4482	21.27	4034	23.50
02 MW-17B-55.5-08122025MS	4922	17.09	4507	21.27	3909	23.51
03 MW-17B-55.5-08122025MSD	5009	17.09	4561	21.27	3935	23.50
04 MW-19B-71.5-081325	5274	17.09	4636	21.27	4050	23.50
05 MW-01-6.5-081325	5354	17.09	5202	21.27	4969	23.50
06 MW-11A-13.5-081325	6177	17.09	5539	21.27	5233	23.50
07 MW-19B-71.5-081325-FD	6117	17.09	5268	21.27	4705	23.50
08 EB01-081325	5604	17.09	4806	21.27	4479	23.50

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: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID : SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037618.D

Time Analyzed: 04:14

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	2622	7.71	6166	10.50	3094	14.35
UPPER LIMIT	5244	8.21	12332	10.998	6188	14.845
LOWER LIMIT	1311	7.21	3083	9.998	1547	13.845
EPA SAMPLE NO.						
01 PB169286BL	2323	7.71	5229	10.50	2344	14.35
02 PB169286BS	2389	7.71	5616	10.49	2629	14.35
03 MW-19B-71.5-081325DL	2126	7.71	4898	10.50	2452	14.35

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2869

Client ID: SSTDCCC0.4

Date Analyzed: 08/20/2025

Lab File ID: BN037618.D

Time Analyzed: 04:14

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	6113	17.086	5494	21.268	5322	23.499
UPPER LIMIT	12226	17.586	10988	21.768	10644	23.999
LOWER LIMIT	3056.5	16.586	2747	20.768	2661	22.999
EPA SAMPLE NO.						
01 PB169286BL	4466	17.09	3733	21.27	3552	23.50
02 PB169286BS	5040	17.09	4175	21.27	3780	23.50
03 MW-19B-71.5-081325DL	4999	17.09	4107	21.27	3877	23.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	930 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
BN037608.D	1	08/18/25 08:41	08/19/25 15:29	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.70	E	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	120%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2200	7.717			
1146-65-2	Naphthalene-d8	5210	10.498			
15067-26-2	Acenaphthene-d10	2610	14.345			
1517-22-2	Phenanthrene-d10	5270	17.086			
1719-03-5	Chrysene-d12	4640	21.268			
1520-96-3	Perylene-d12	4050	23.502			

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\BN081925\
 Data File : BN037608.D
 Acq On : 19 Aug 2025 15:29
 Operator : RC/JU
 Sample : Q2869-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:26:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

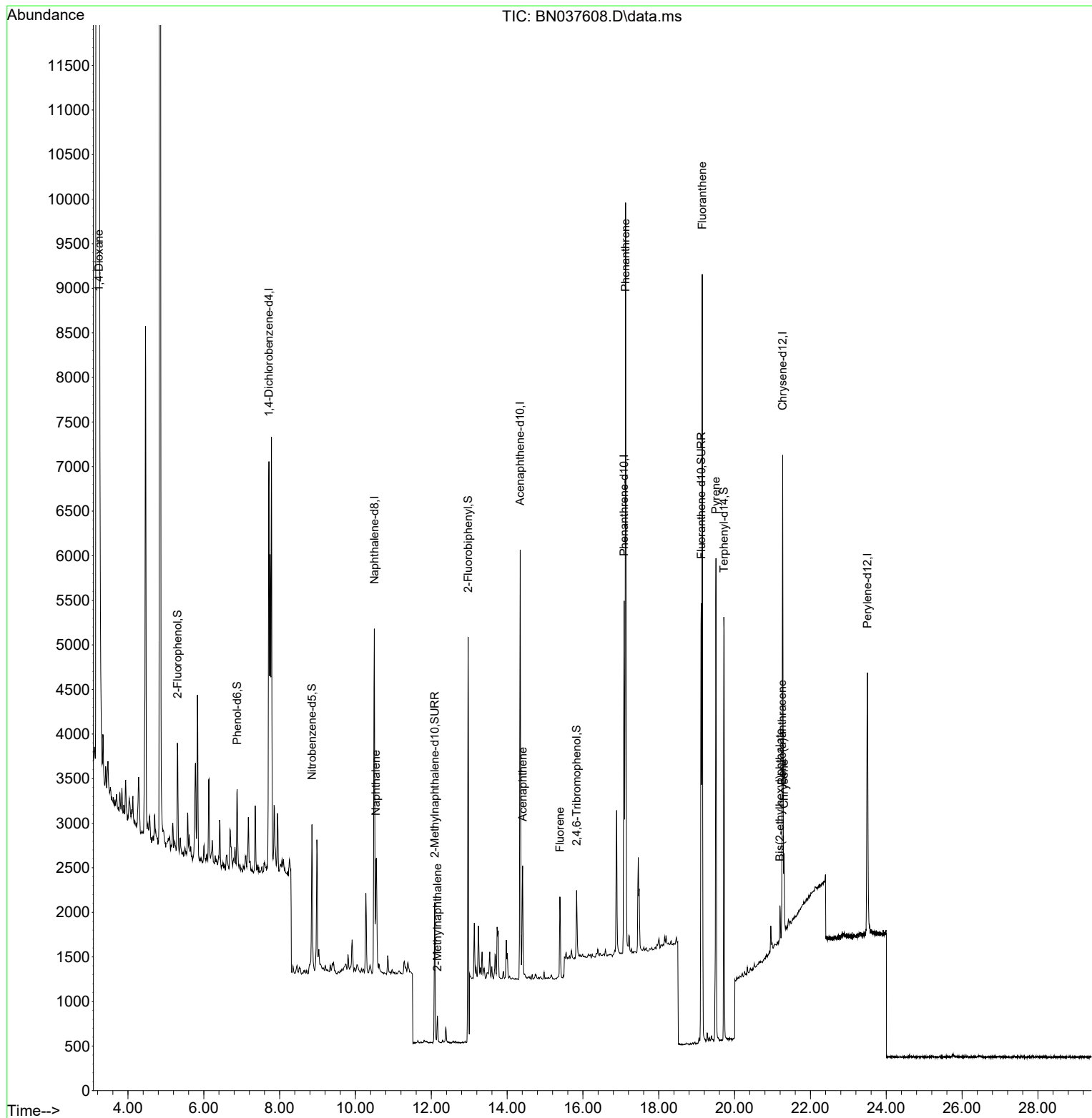
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2200	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5205	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2609	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5274	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4636	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	4050	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	826	0.166	ng	0.00
5) Phenol-d6	6.879	99	576	0.096	ng	0.00
8) Nitrobenzene-d5	8.854	82	1306	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	2188	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	421	0.369	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	5552	0.368	ng	0.00
27) Fluoranthene-d10	19.118	212	5219	0.376	ng	0.00
31) Terphenyl-d14	19.717	244	4571	0.479	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	11100	5.274	ng	# 95
9) Naphthalene	10.541	128	1436	0.104	ng	# 91
12) 2-Methylnaphthalene	12.161	142	233	0.027	ng	# 88
17) Acenaphthene	14.409	154	611	0.077	ng	98
18) Fluorene	15.392	166	597	0.057	ng	98
25) Phenanthrene	17.124	178	8597	0.536	ng	100
28) Fluoranthene	19.146	202	7523	0.408	ng	99
30) Pyrene	19.508	202	5017	0.289	ng	# 94
32) Benzo(a)anthracene	21.250	228	535	0.035	ng	# 85
33) Chrysene	21.304	228	813m	0.047	ng	
34) Bis(2-ethylhexyl)phtha...	21.196	149	466	0.073	ng	# 91

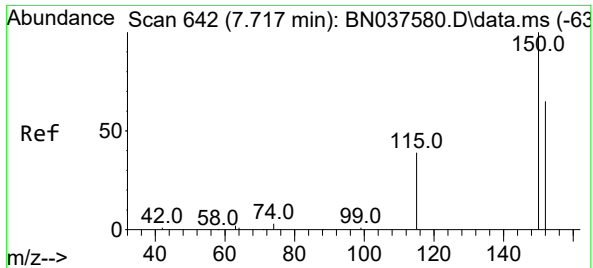
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Manual Integrations

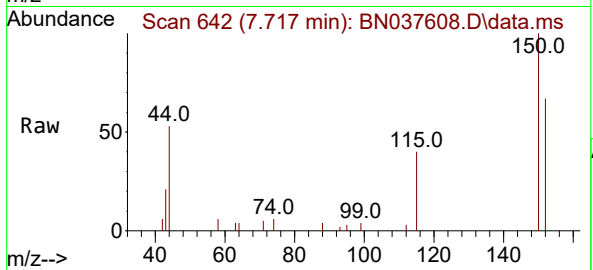
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

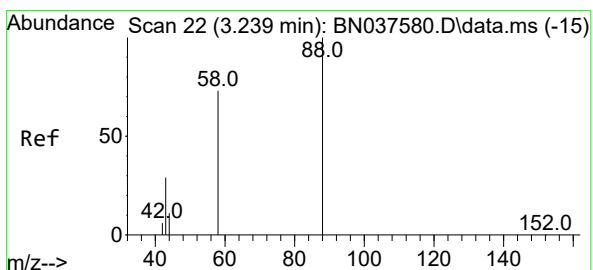
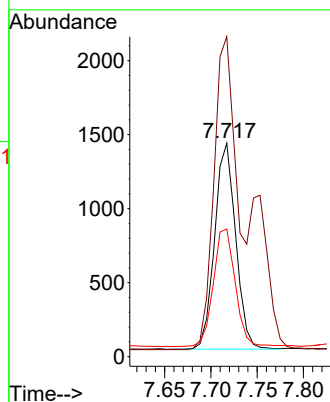
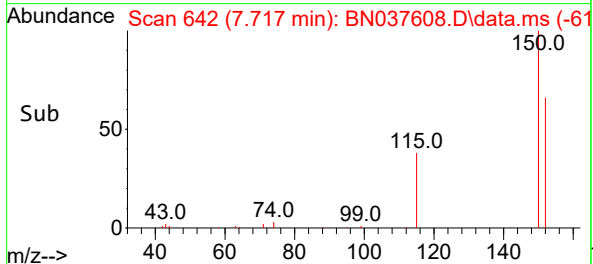
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:152 Resp: 2200
Ion Ratio Lower Upper
152 100
150 149.9 122.2 183.4
115 59.8 49.8 74.6

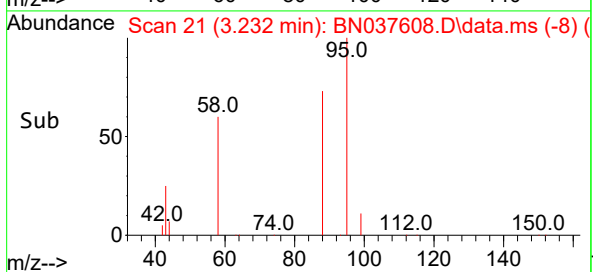
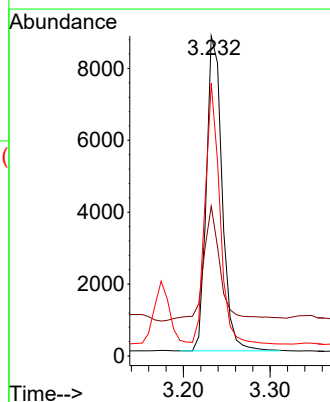
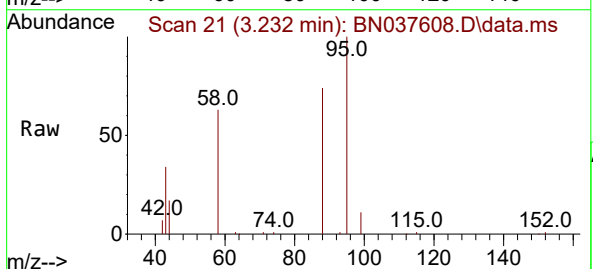
Manual Integrations
APPROVED

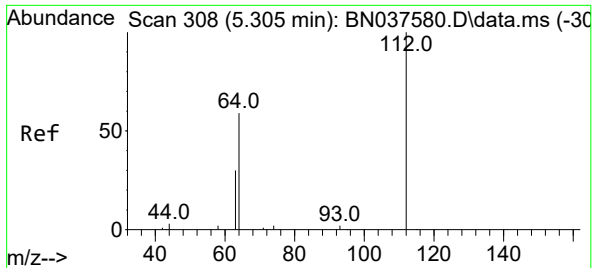
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#2
1,4-Dioxane
Concen: 5.274 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion: 88 Resp: 11100
Ion Ratio Lower Upper
88 100
43 40.0 25.8 38.6#
58 77.1 61.2 91.8





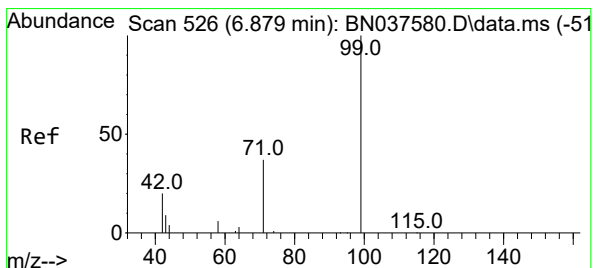
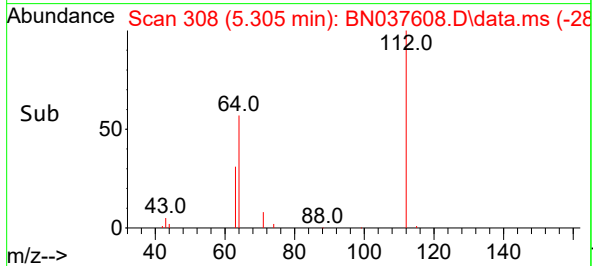
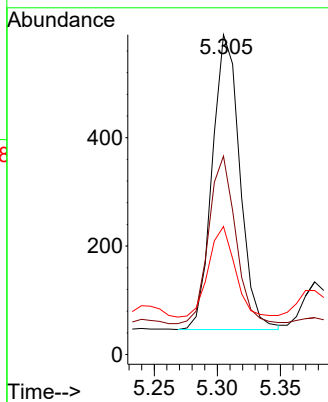
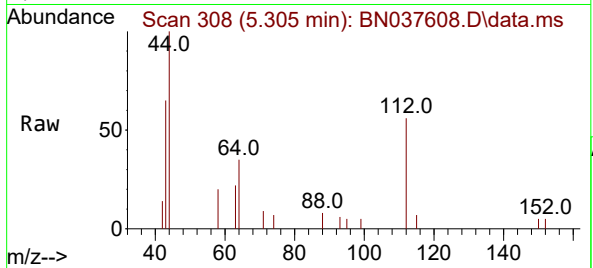
#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:112 Resp: 820
Ion Ratio Lower Upper
112 100
64 55.4 44.9 67.3
63 29.8 23.4 35.2

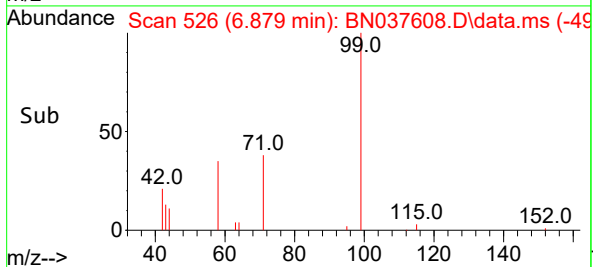
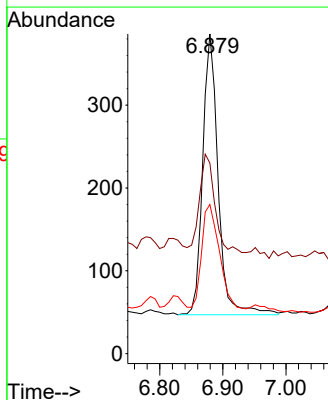
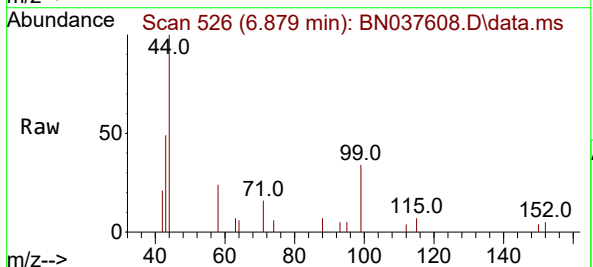
Manual Integrations
APPROVED

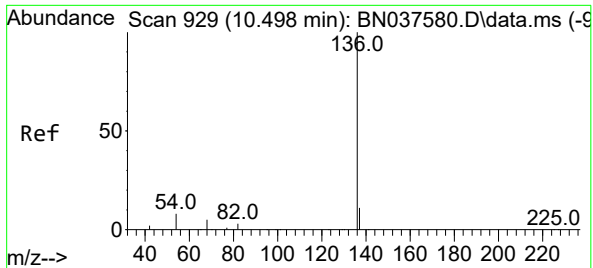
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#5
Phenol-d6
Concen: 0.096 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

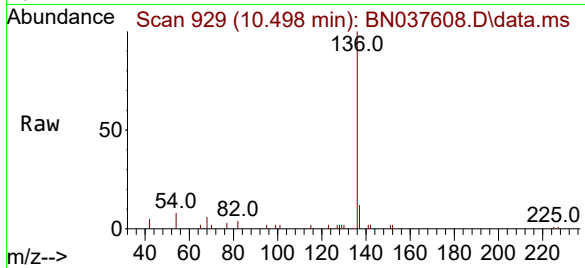
Tgt Ion: 99 Resp: 576
Ion Ratio Lower Upper
99 100
42 34.5 18.5 27.7#
71 43.4 28.6 42.8#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

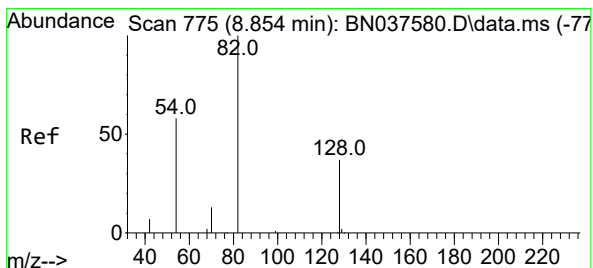
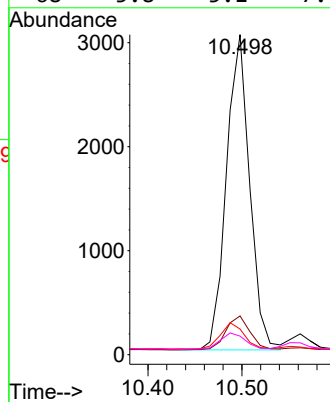
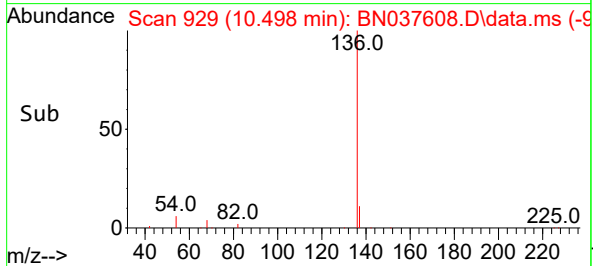
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion: 136 Resp: 520
Ion Ratio Lower Upper
136 100
137 12.1 9.5 14.3
54 8.0 7.3 10.9
68 5.8 5.1 7.7

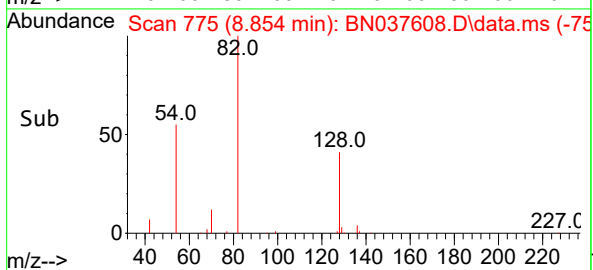
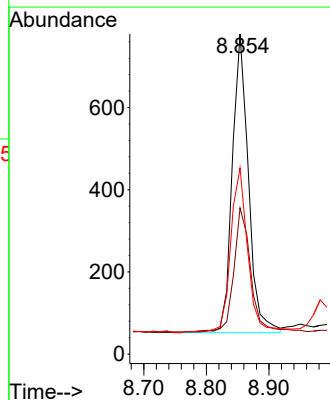
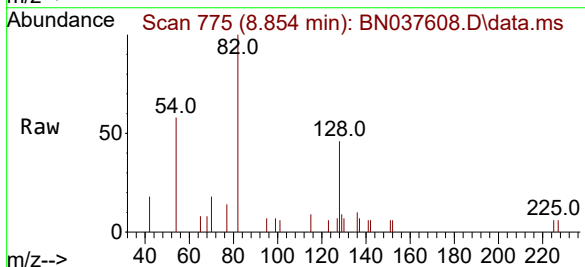
Manual Integrations
APPROVED

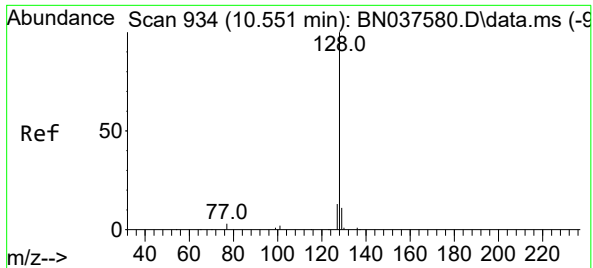
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

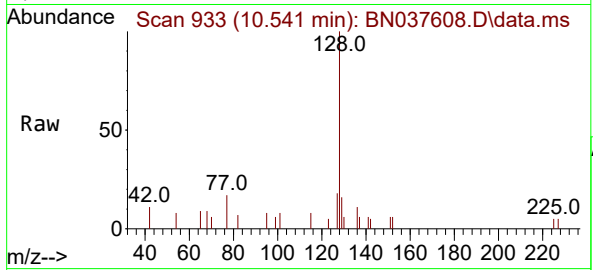
Tgt Ion: 82 Resp: 1306
Ion Ratio Lower Upper
82 100
128 45.7 32.6 48.8
54 58.2 48.9 73.3





#9
Naphthalene
Concen: 0.104 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

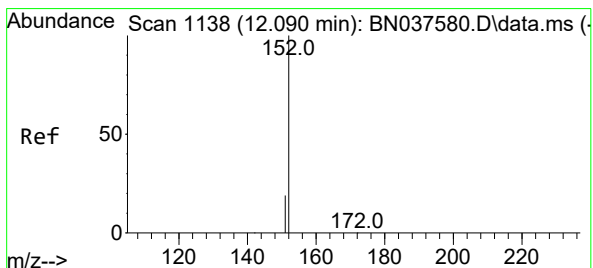
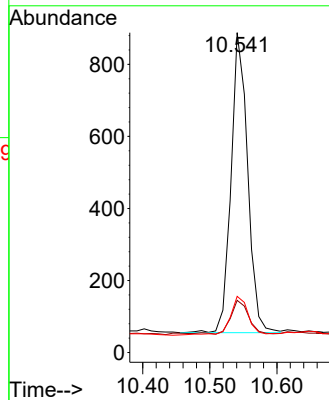
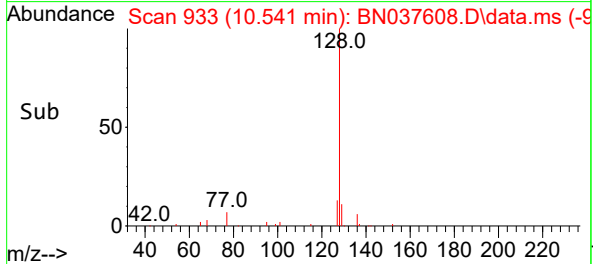
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:128 Resp: 1430
Ion Ratio Lower Upper
128 100
129 16.3 9.8 14.6
127 17.6 11.5 17.3

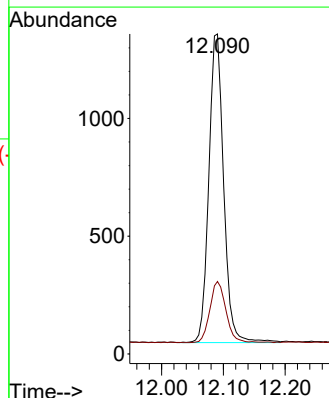
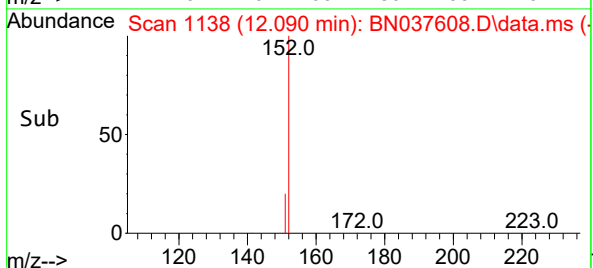
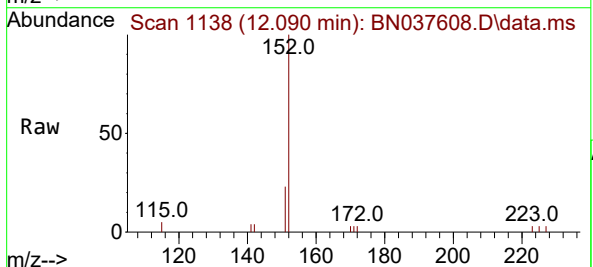
Manual Integrations
APPROVED

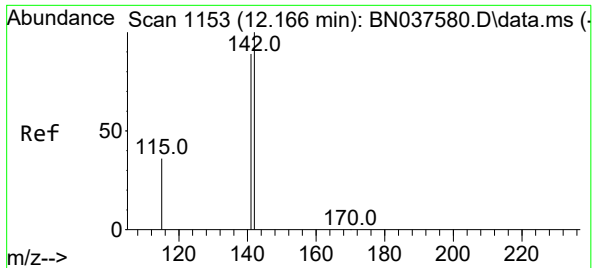
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:152 Resp: 2188
Ion Ratio Lower Upper
152 100
151 21.4 17.3 25.9





#12

2-Methylnaphthalene

Concen: 0.027 ng

RT: 12.161 min Scan# 1152

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

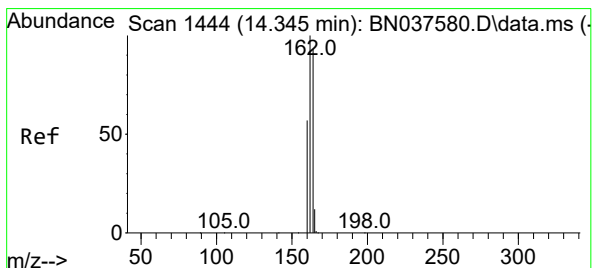
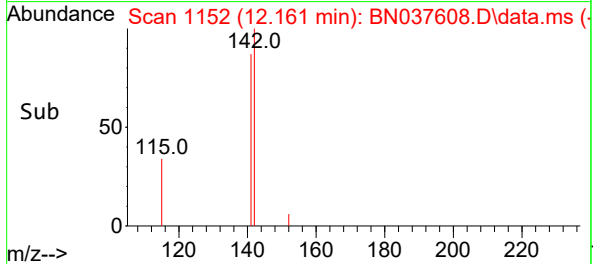
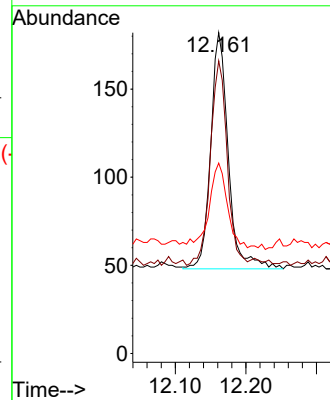
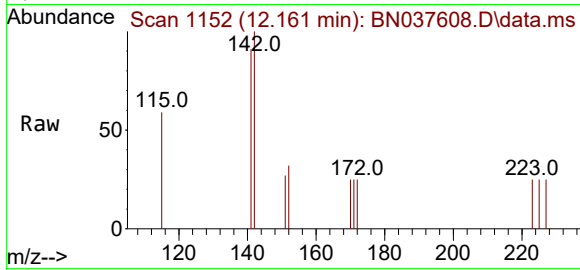
Tgt Ion:	142	Resp:	233
Ion Ratio	Lower	Upper	
142	100		
141	91.2	71.4	107.0
115	59.3	30.2	45.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#13

Acenaphthene-d10

Concen: 0.400 ng

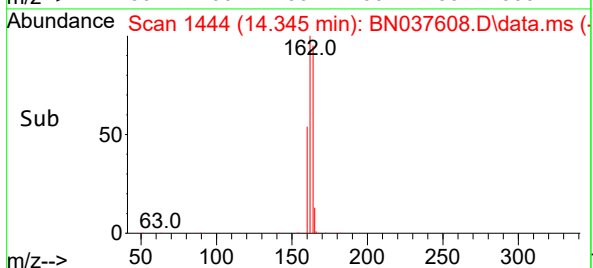
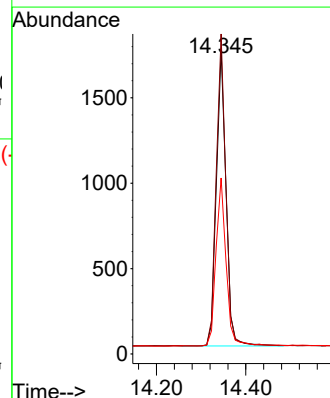
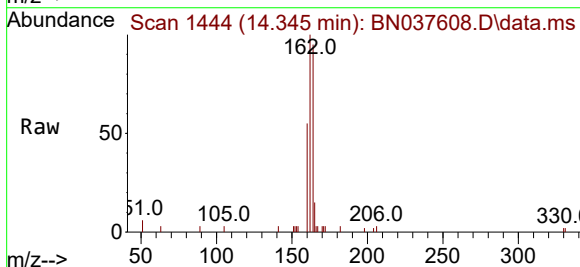
RT: 14.345 min Scan# 1444

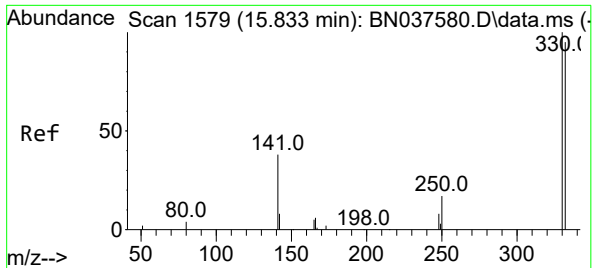
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Tgt Ion:	164	Resp:	2609
Ion Ratio	Lower	Upper	
164	100		
162	105.2	85.5	128.3
160	57.9	49.5	74.3





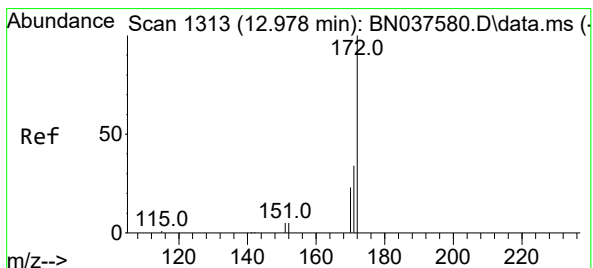
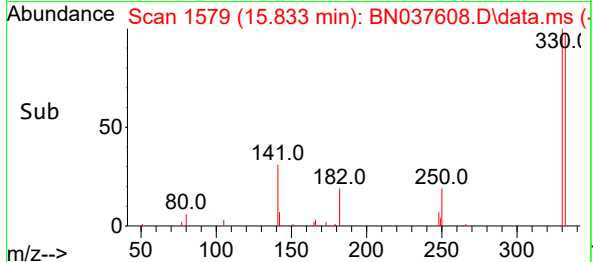
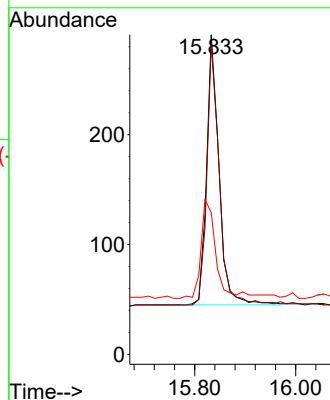
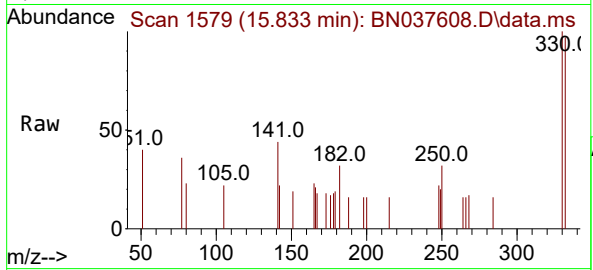
#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:330 Resp: 42
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 41.6 30.9 46.3

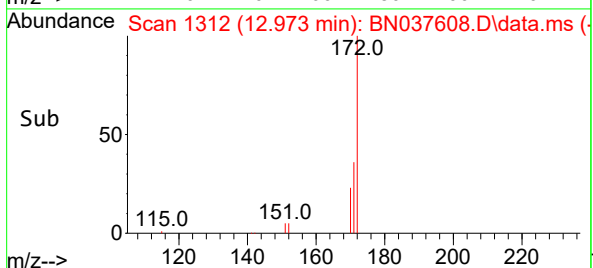
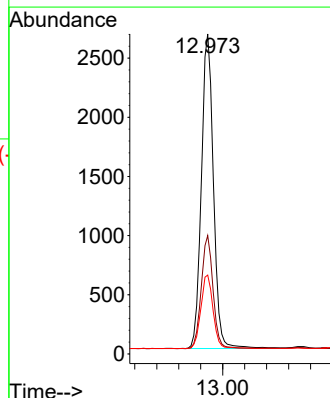
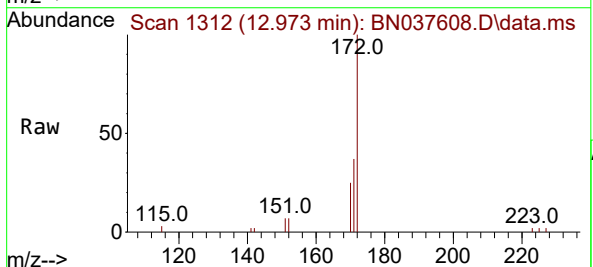
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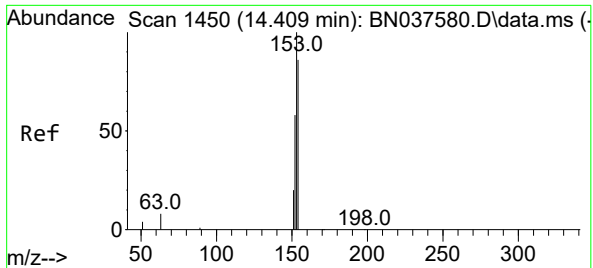
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

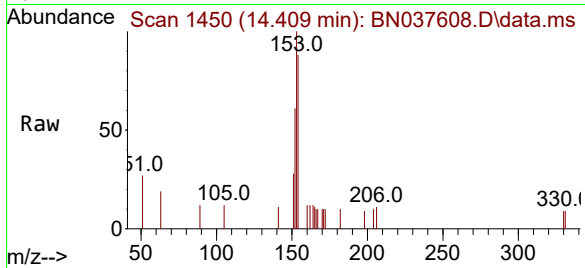
Tgt Ion:172 Resp: 5552
Ion Ratio Lower Upper
172 100
171 37.0 28.2 42.4
170 24.6 19.2 28.8





#17
Acenaphthene
Concen: 0.077 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

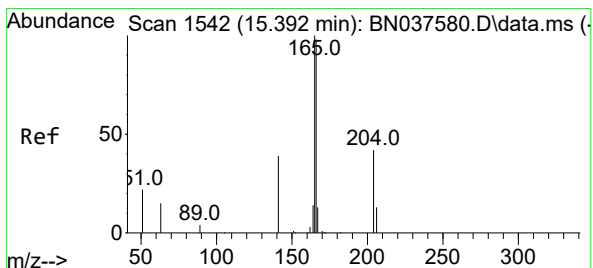
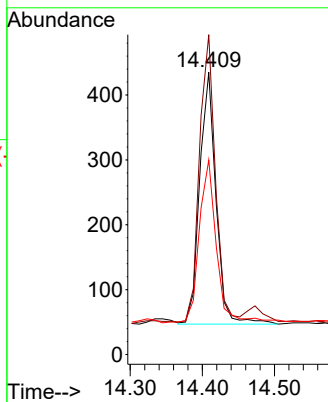
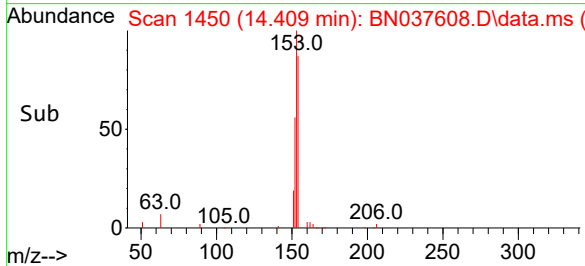
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325



Tgt Ion:154 Resp: 61
Ion Ratio Lower Upper
154 100
153 111.1 90.6 135.8
152 66.6 54.9 82.3

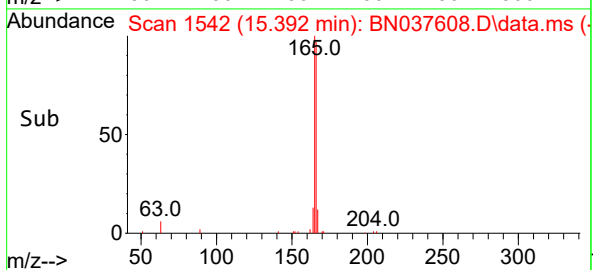
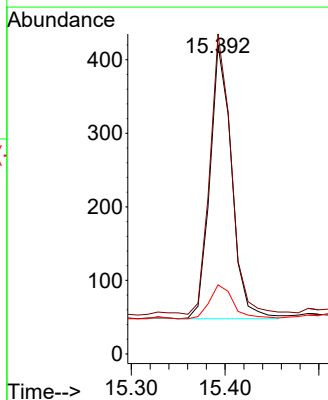
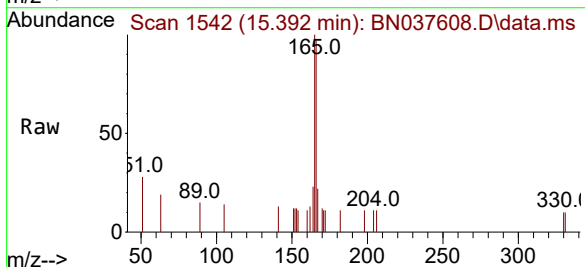
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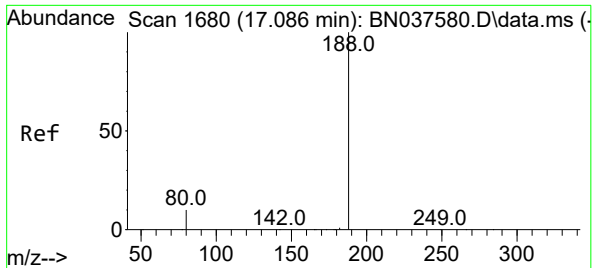
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#18
Fluorene
Concen: 0.057 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:166 Resp: 597
Ion Ratio Lower Upper
166 100
165 100.3 78.9 118.3
167 13.6 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

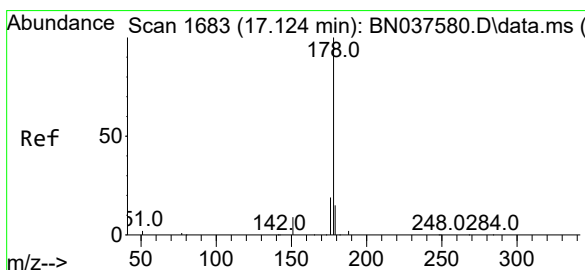
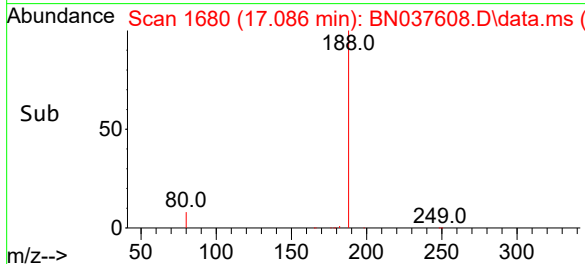
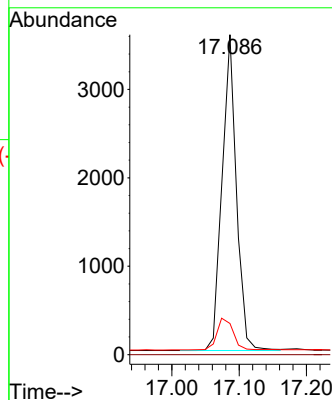
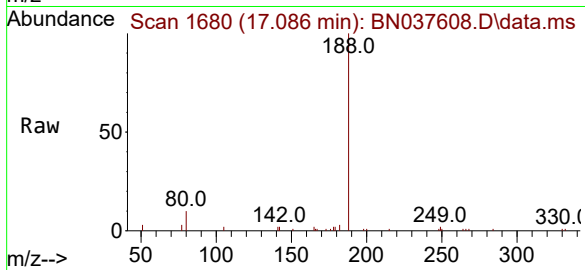
Tgt Ion:	188	Resp:	5274
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	9.1	13.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#25

Phenanthrene

Concen: 0.536 ng

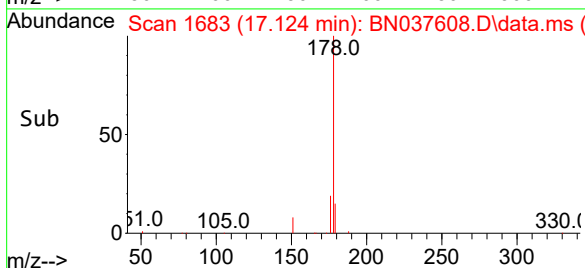
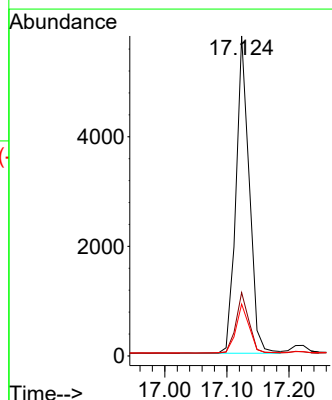
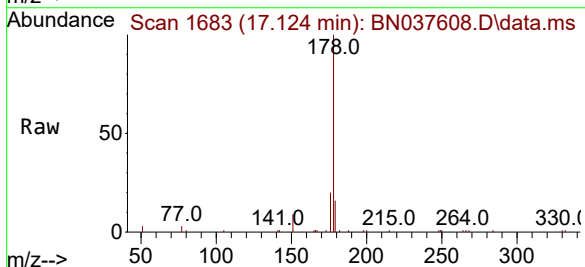
RT: 17.124 min Scan# 1683

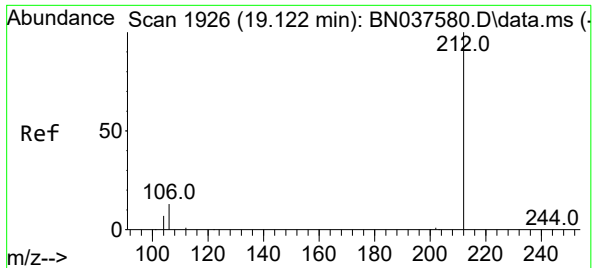
Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Tgt Ion:	178	Resp:	8597
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.6
179	15.5	12.3	18.5





#27

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

Tgt Ion:212 Resp: 5219

Ion Ratio Lower Upper

212 100

106 14.7 11.5 17.3

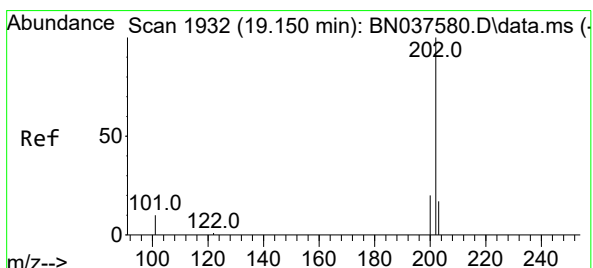
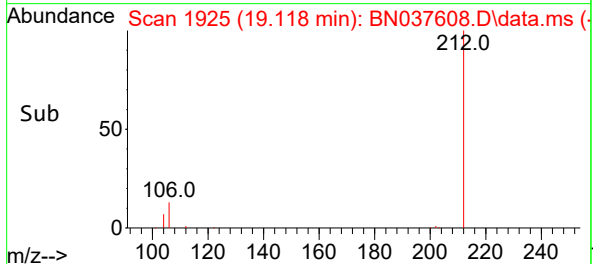
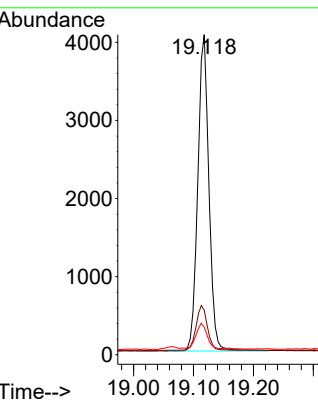
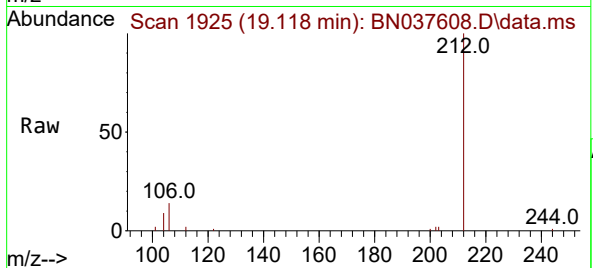
104 7.8 6.6 9.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

Fluoranthene

Concen: 0.408 ng

RT: 19.146 min Scan# 1931

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

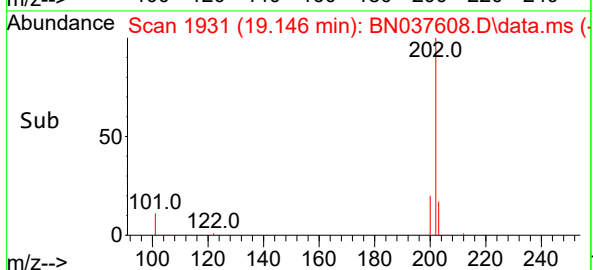
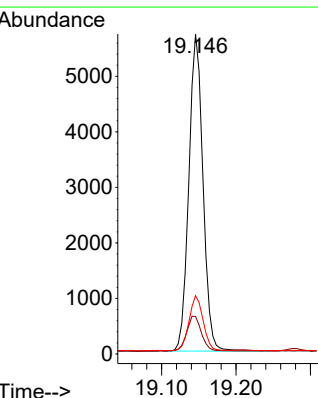
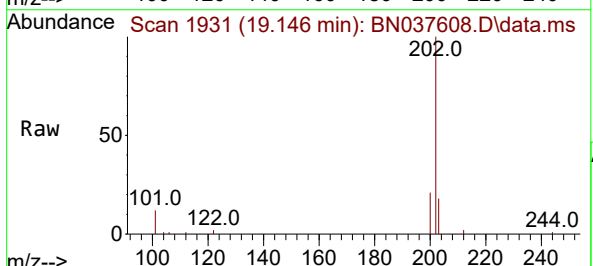
Tgt Ion:202 Resp: 7523

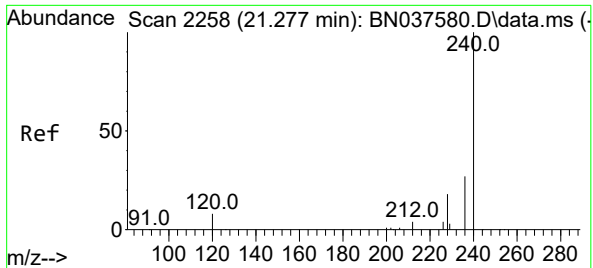
Ion Ratio Lower Upper

202 100

101 11.5 9.0 13.6

203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037608.D

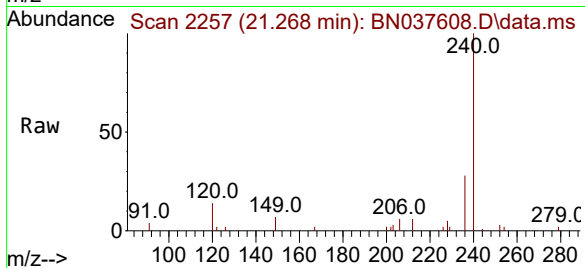
Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325



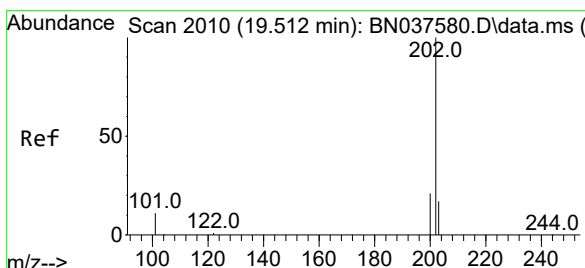
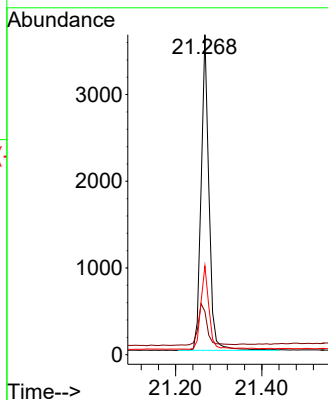
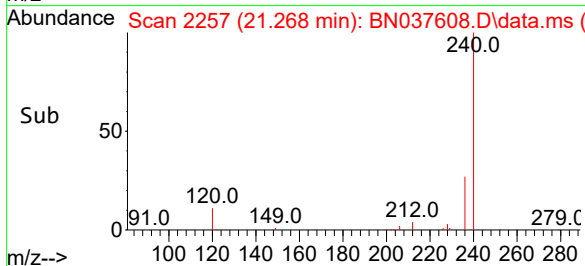
Tgt Ion:	240	Resp:	4630
Ion Ratio	Lower	Upper	
240	100		
120	13.5	8.9	13.3
236	27.8	22.6	33.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#30

Pyrene

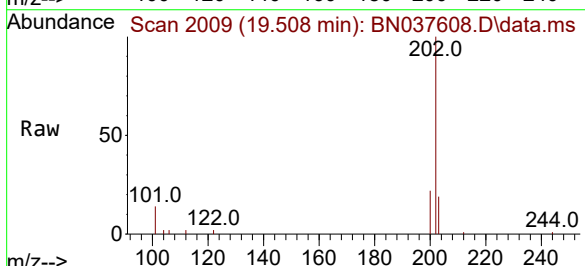
Concen: 0.289 ng

RT: 19.508 min Scan# 2009

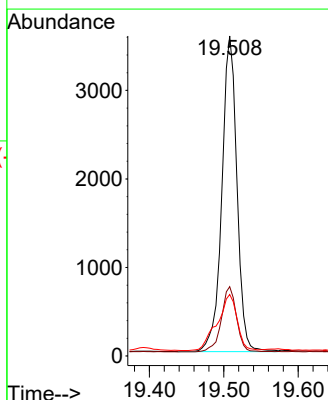
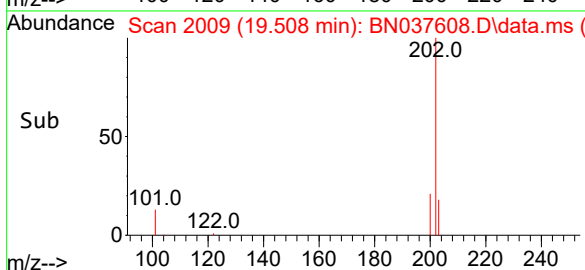
Delta R.T. -0.005 min

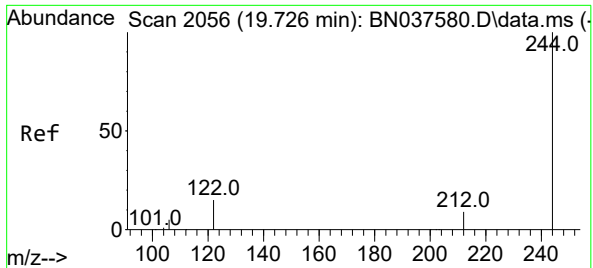
Lab File: BN037608.D

Acq: 19 Aug 2025 15:29



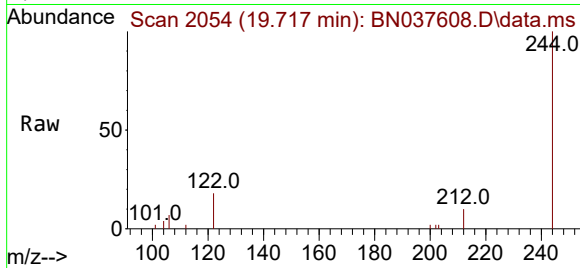
Tgt Ion:	202	Resp:	5017
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	25.0
203	23.3	14.3	21.5





#31
 Terphenyl-d14
 Concen: 0.479 ng
 RT: 19.717 min Scan# 2054
 Delta R.T. -0.009 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

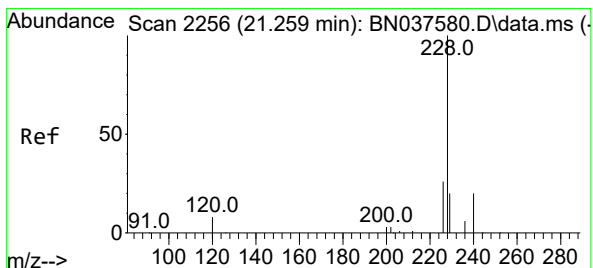
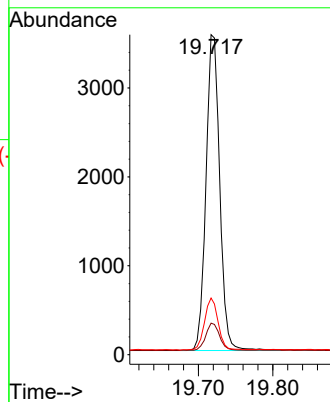
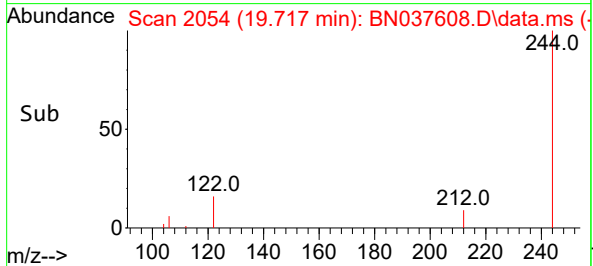
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325



Tgt Ion:244 Resp: 457
 Ion Ratio Lower Upper
 244 100
 212 9.8 8.2 12.2
 122 17.7 13.2 19.8

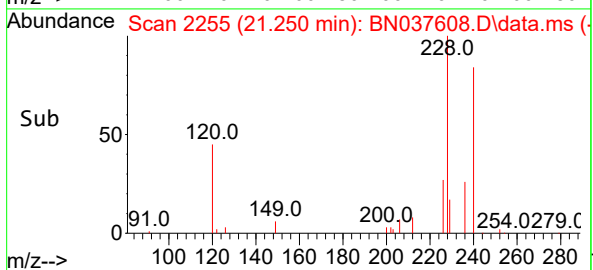
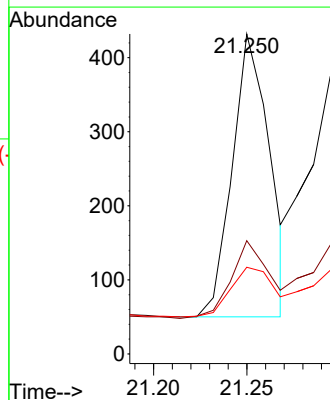
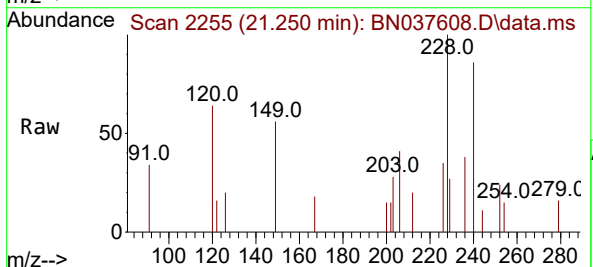
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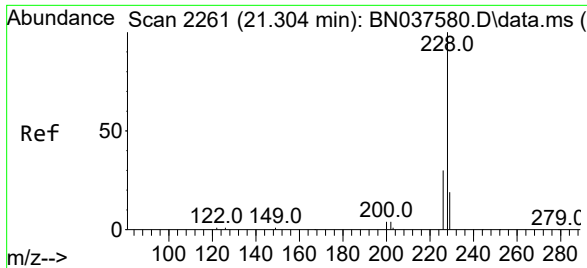
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025



#32
 Benzo(a)anthracene
 Concen: 0.035 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

Tgt Ion:228 Resp: 535
 Ion Ratio Lower Upper
 228 100
 226 35.4 21.5 32.3#
 229 27.1 16.5 24.7#





#33

Chrysene

Concen: 0.047 ng m

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037608.D

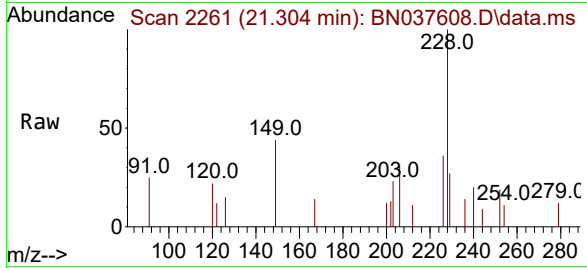
Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325



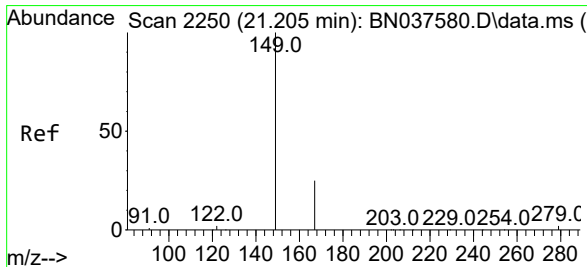
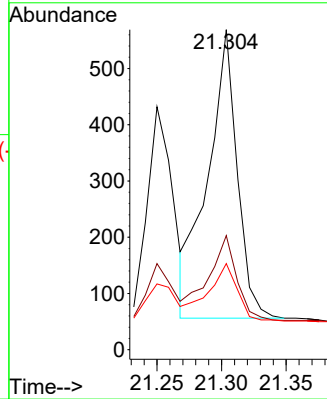
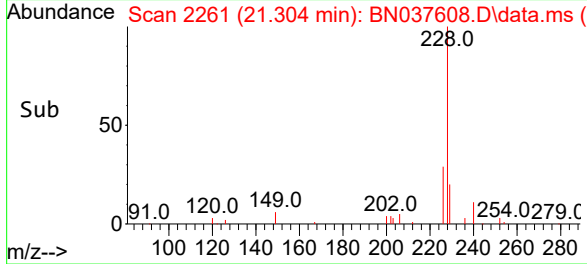
Tgt Ion:	228	Ratio	100	Lower	Upper
228	100				
226	35.7		24.9	37.3	
229	26.9		15.8	23.8	

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#34

Bis(2-ethylhexyl)phthalate

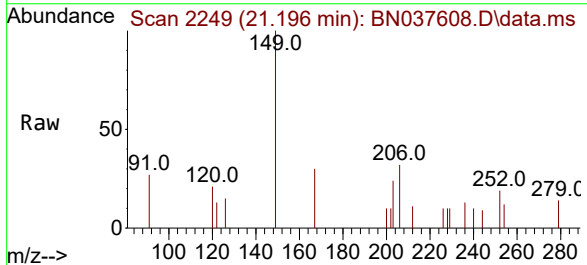
Concen: 0.073 ng

RT: 21.196 min Scan# 2249

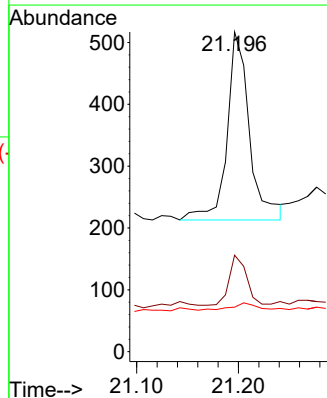
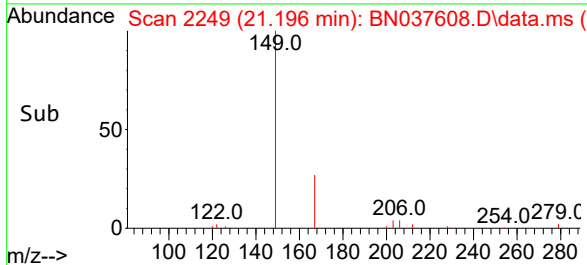
Delta R.T. -0.009 min

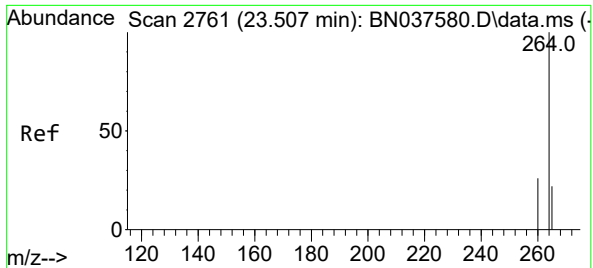
Lab File: BN037608.D

Acq: 19 Aug 2025 15:29



Tgt Ion:	149	Ratio	100	Lower	Upper
149	100				
167	20.6		20.5	30.7	
279	4.3		2.6	4.0	





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037608.D

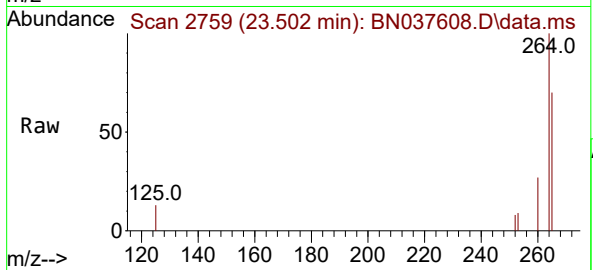
Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325



Tgt Ion:264 Resp: 4050

Ion Ratio Lower Upper

264 100

260 26.8 21.6 32.4

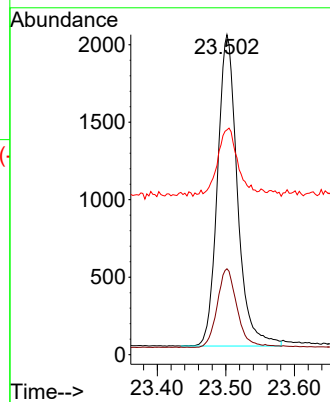
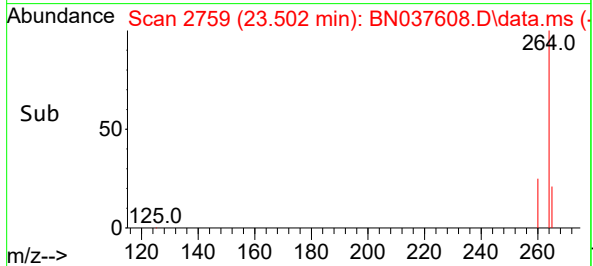
265 70.3 48.2 72.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325DL	SDG No.:	Q2869
Lab Sample ID:	Q2869-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	930 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
BN037622.D	2	08/18/25 08:41	08/20/25 06:38	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.70	D	0.14	0.43	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	120%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2130	7.71			
1146-65-2	Naphthalene-d8	4900	10.498			
15067-26-2	Acenaphthene-d10	2450	14.345			
1517-22-2	Phenanthrene-d10	5000	17.086			
1719-03-5	Chrysene-d12	4110	21.268			
1520-96-3	Perylene-d12	3880	23.502			

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\BN081925\
 Data File : BN037622.D
 Acq On : 20 Aug 2025 06:38
 Operator : RC/JU
 Sample : Q2869-01DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325DL

Quant Time: Aug 20 07:24:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

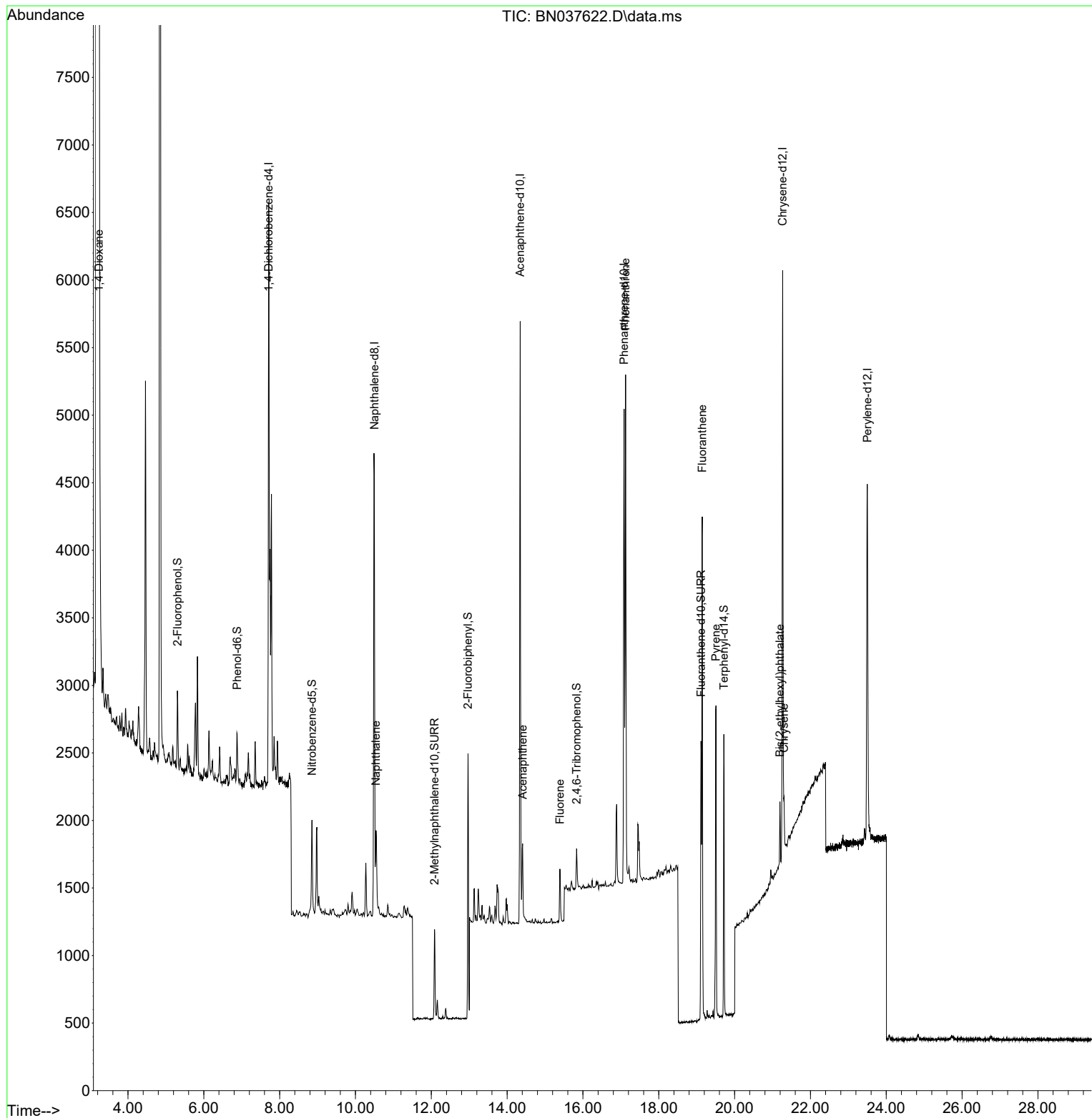
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2126	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4898	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2452	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4999	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	4107	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3877	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	373	0.077	ng	0.00
5) Phenol-d6	6.879	99	248	0.043	ng	0.00
8) Nitrobenzene-d5	8.854	82	589	0.171	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	968	0.145	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	191	0.178	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	2522	0.178	ng	-0.01
27) Fluoranthene-d10	19.113	212	2294	0.174	ng	0.00
31) Terphenyl-d14	19.717	244	2024	0.240	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.232	88	5395	2.652	ng	97
9) Naphthalene	10.541	128	657	0.050	ng	# 80
17) Acenaphthene	14.409	154	290	0.039	ng	96
18) Fluorene	15.392	166	293	0.030	ng	92
25) Phenanthrene	17.124	178	3918	0.258	ng	99
28) Fluoranthene	19.146	202	3362	0.193	ng	99
30) Pyrene	19.508	202	2255	0.147	ng	# 93
33) Chrysene	21.304	228	372	0.024	ng	# 73
34) Bis(2-ethylhexyl)phtha...	21.196	149	469	0.083	ng	# 98

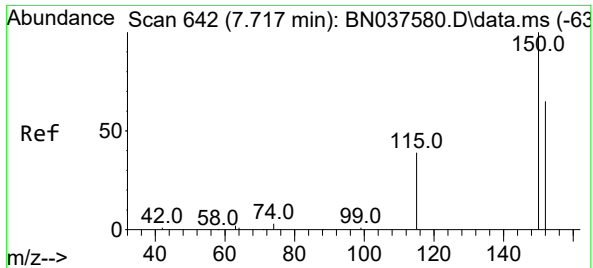
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037622.D
Acq On : 20 Aug 2025 06:38
Operator : RC/JU
Sample : Q2869-01DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Quant Time: Aug 20 07:24:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

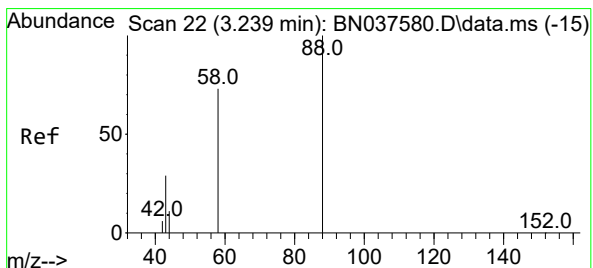
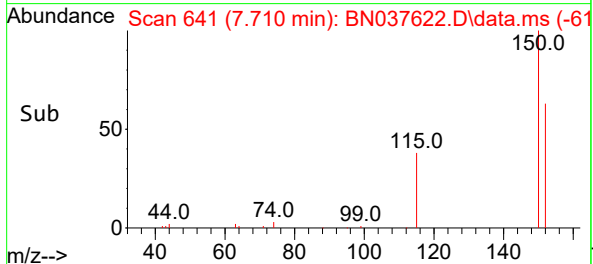
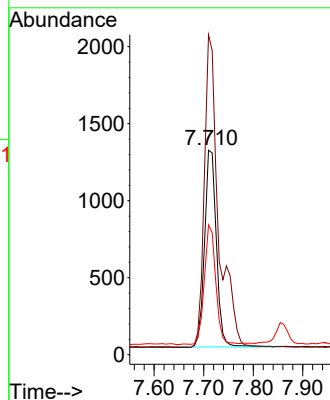
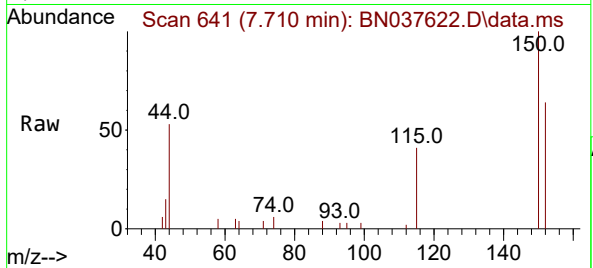




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

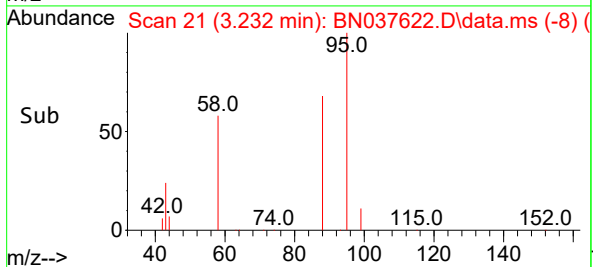
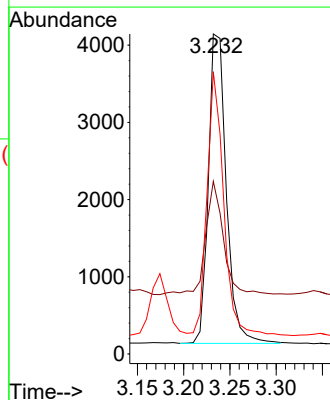
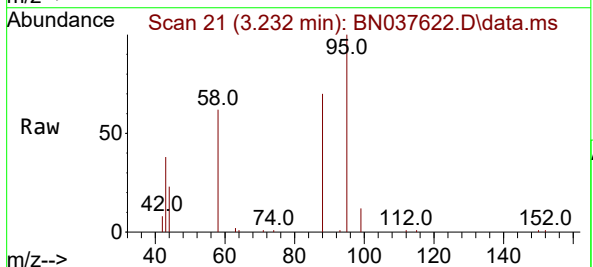
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:152 Resp: 2126
Ion Ratio Lower Upper
152 100
150 156.5 122.2 183.4
115 63.5 49.8 74.6

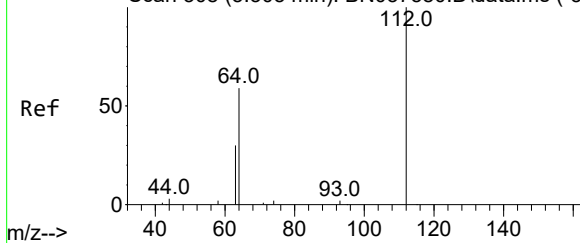


#2
1,4-Dioxane
Concen: 2.652 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion: 88 Resp: 5395
Ion Ratio Lower Upper
88 100
43 36.0 25.8 38.6
58 77.7 61.2 91.8



Abundance Scan 308 (5.305 min): BN037580.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.077 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL

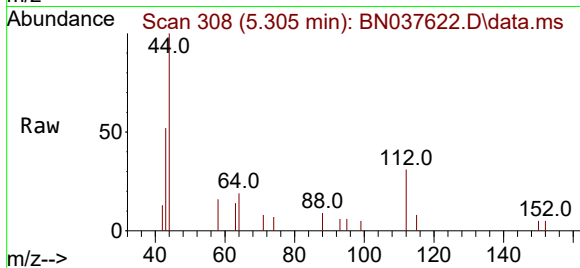
Tgt Ion:112 Resp: 373

Ion Ratio Lower Upper

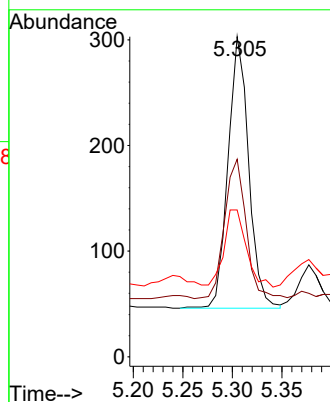
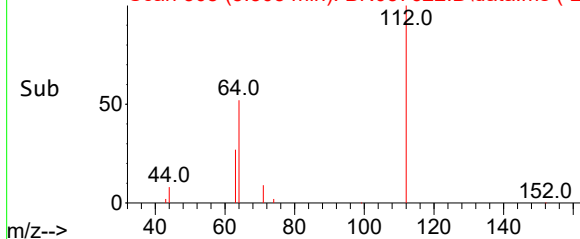
112 100

64 53.6 44.9 67.3

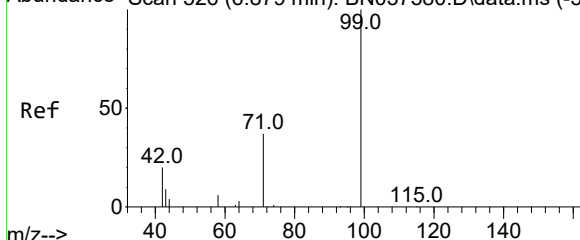
63 30.6 23.4 35.2



Abundance Scan 308 (5.305 min): BN037622.D\data.ms (-28



Abundance Scan 526 (6.879 min): BN037580.D\data.ms (-51



#5

Phenol-d6

Concen: 0.043 ng

RT: 6.879 min Scan# 526

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

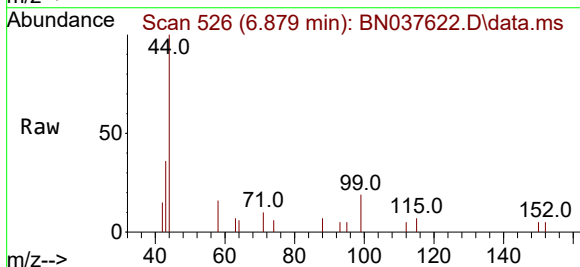
Tgt Ion: 99 Resp: 248

Ion Ratio Lower Upper

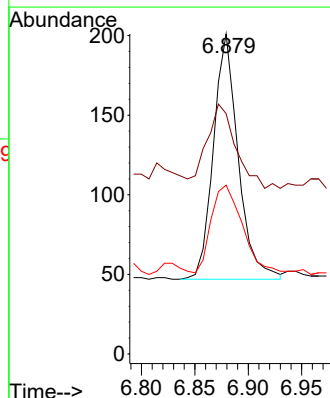
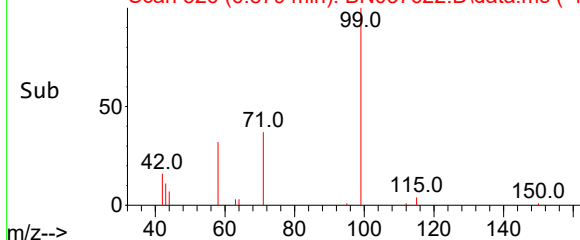
99 100

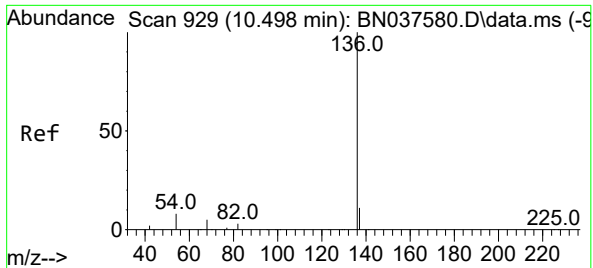
42 40.7 18.5 27.7#

71 51.2 28.6 42.8#



Abundance Scan 526 (6.879 min): BN037622.D\data.ms (-49

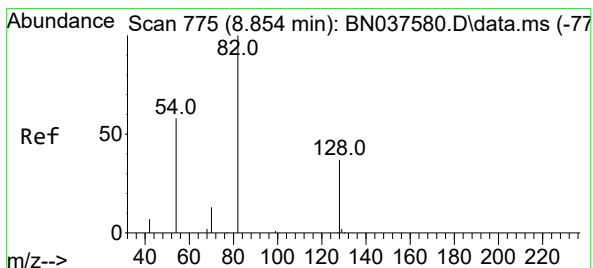
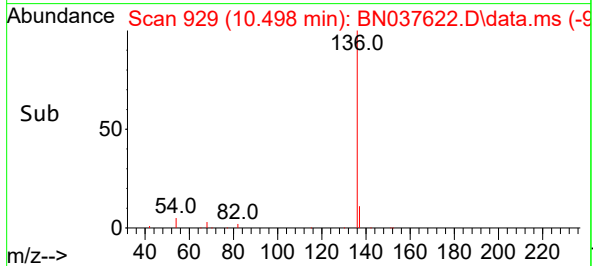
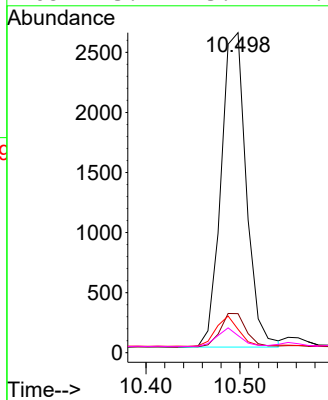
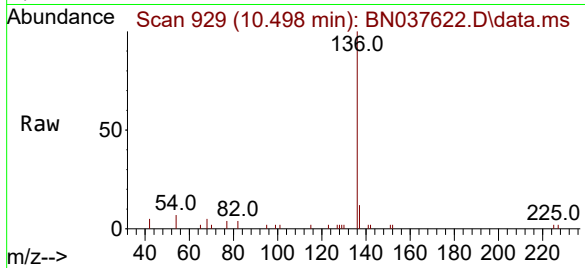




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

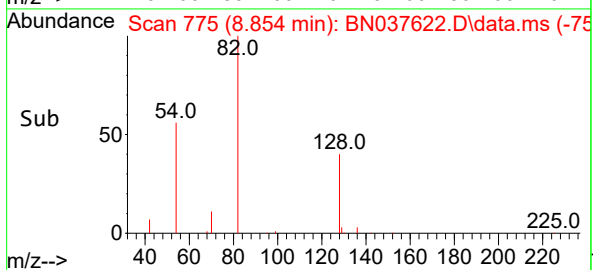
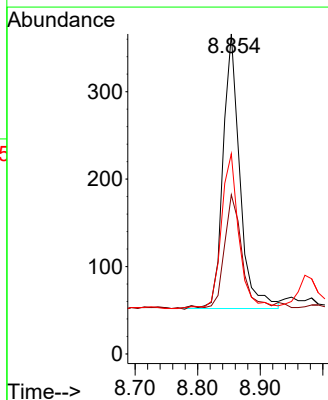
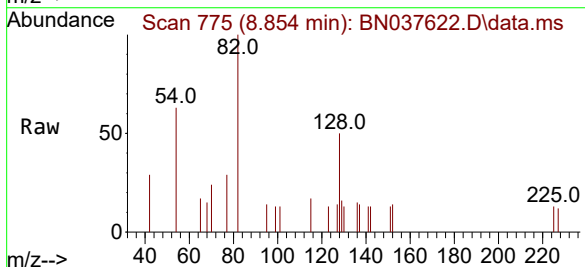
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

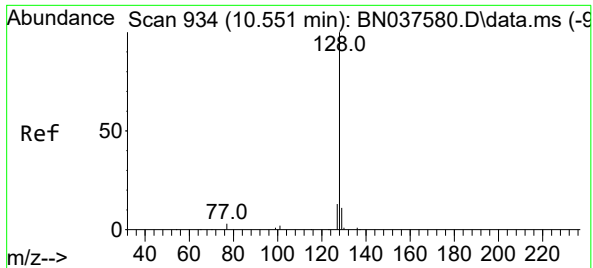
Tgt Ion:	136	Resp:	4898
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	7.3	7.3	10.9
68	5.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.171 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:	82	Resp:	589
Ion	Ratio	Lower	Upper
82	100		
128	49.7	32.6	48.8#
54	62.6	48.9	73.3

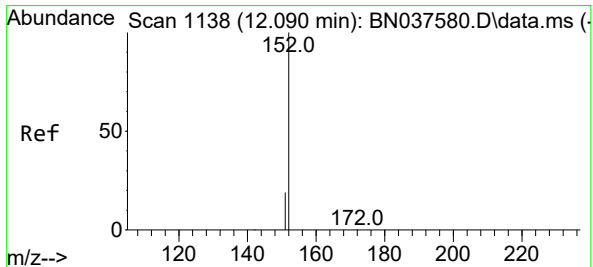
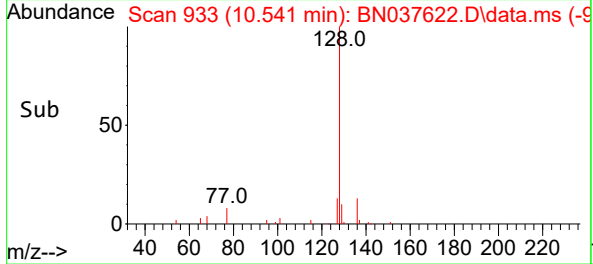
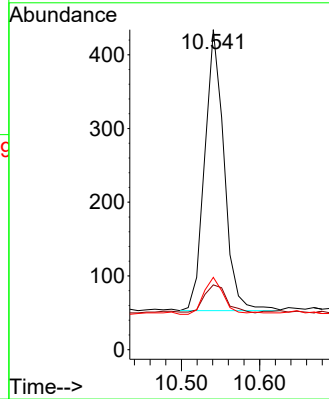
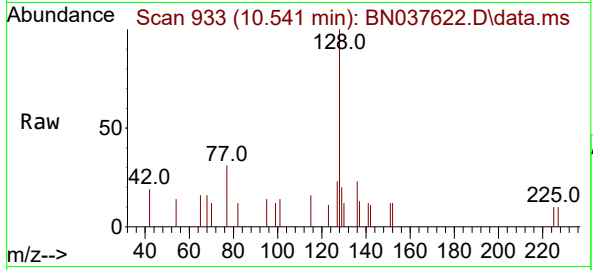




#9
Naphthalene
Concen: 0.050 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

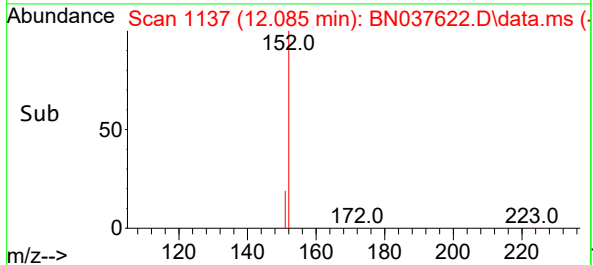
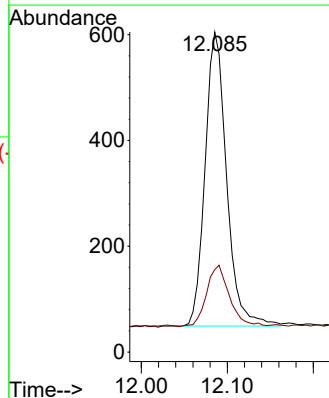
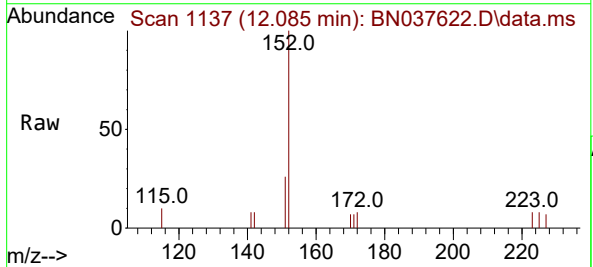
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

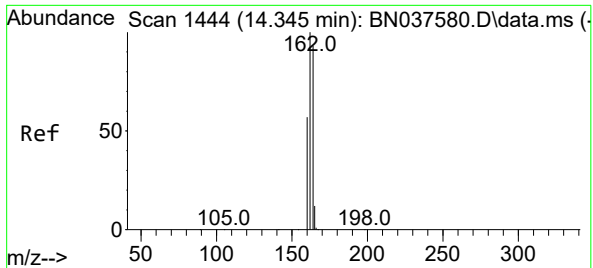
Tgt Ion	128	129	127
Resp:	657		
Ratio	100	20.3	22.6
Lower		9.8	11.5
Upper		14.6#	17.3#



#11
2-Methylnaphthalene-d10
Concen: 0.145 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion	152	151
Resp:	968	
Ratio	100	22.2
Lower		17.3
Upper		25.9

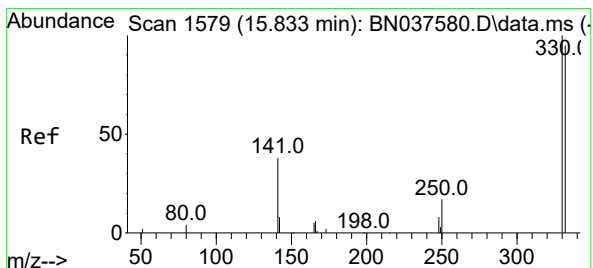
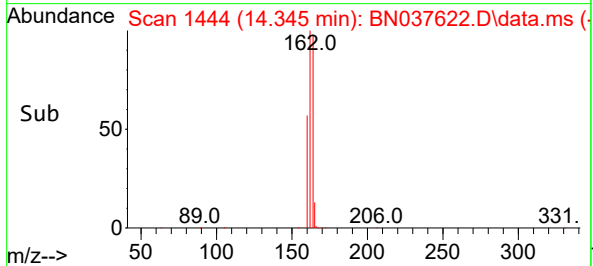
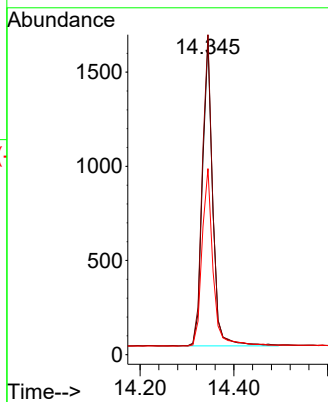
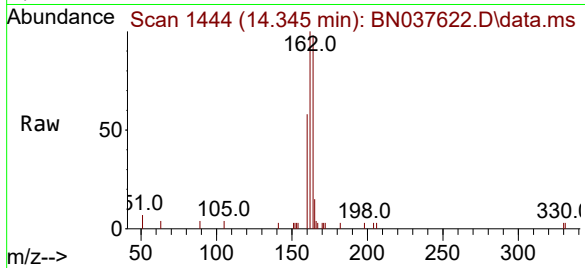




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

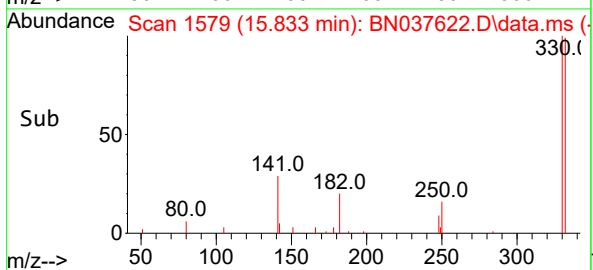
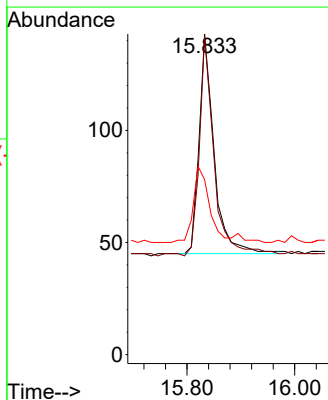
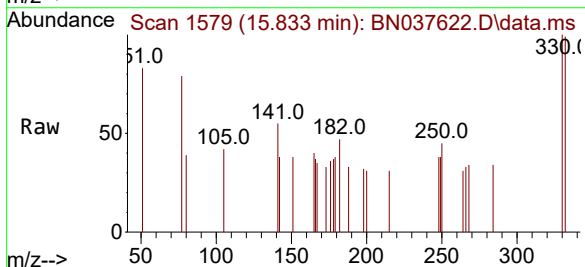
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

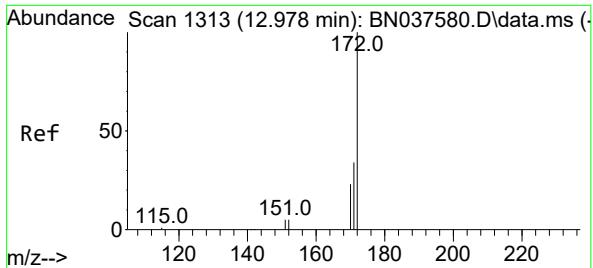
Tgt Ion	164	Resp	2452
Ion	Ratio	Lower	Upper
164	100		
162	102.0	85.5	128.3
160	59.3	49.5	74.3



#14
2,4,6-Tribromophenol
Concen: 0.178 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion	330	Resp	191
Ion	Ratio	Lower	Upper
330	100		
332	100.0	77.4	116.0
141	37.2	30.9	46.3

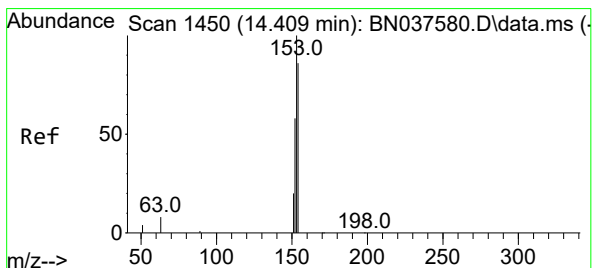
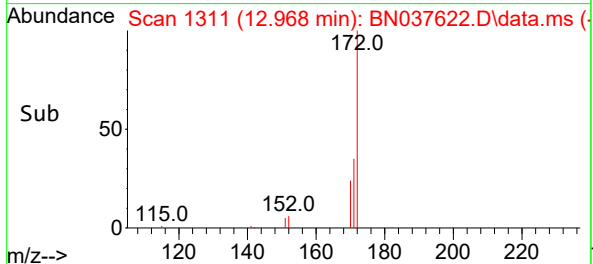
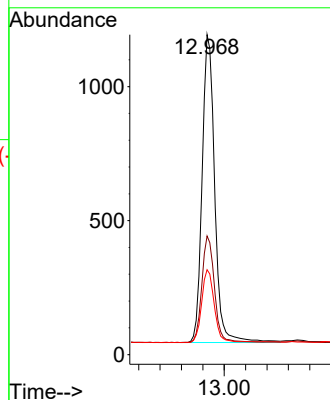
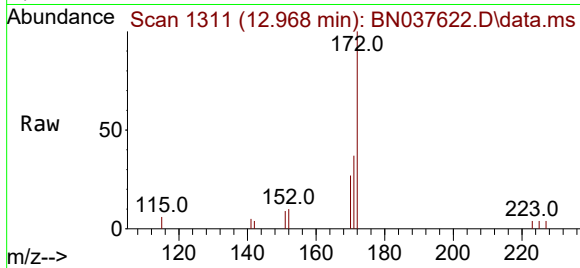




#15
2-Fluorobiphenyl
Concen: 0.178 ng
RT: 12.968 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

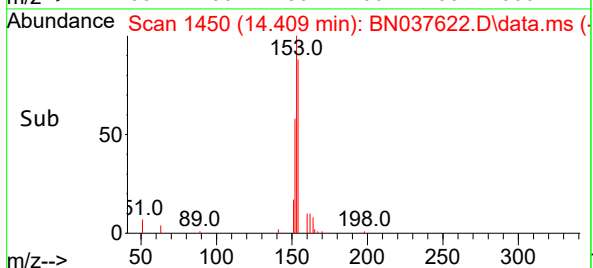
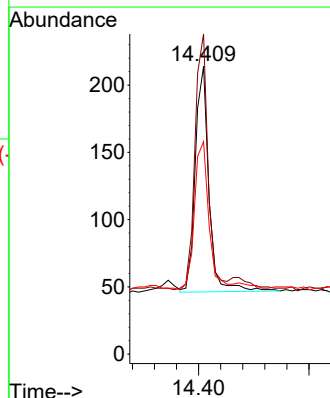
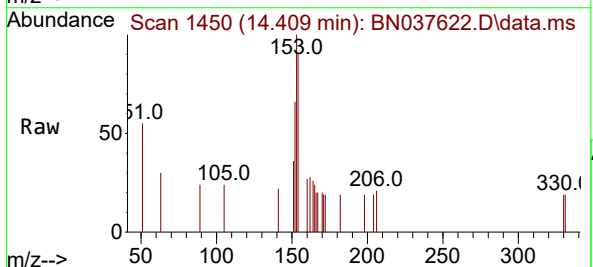
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

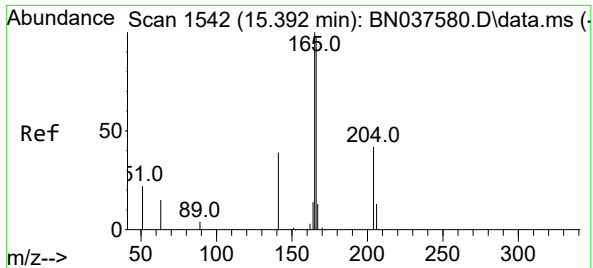
Tgt Ion:	172	Resp:	2522
Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.2	42.4
170	26.5	19.2	28.8



#17
Acenaphthene
Concen: 0.039 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:	154	Resp:	290
Ion	Ratio	Lower	Upper
154	100		
153	108.3	90.6	135.8
152	66.6	54.9	82.3

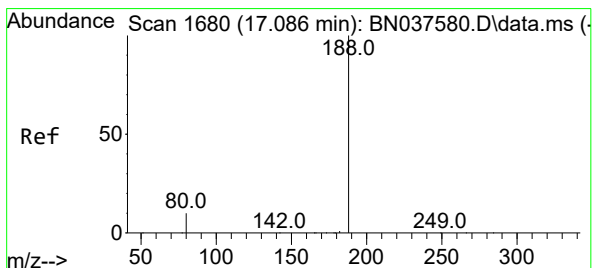
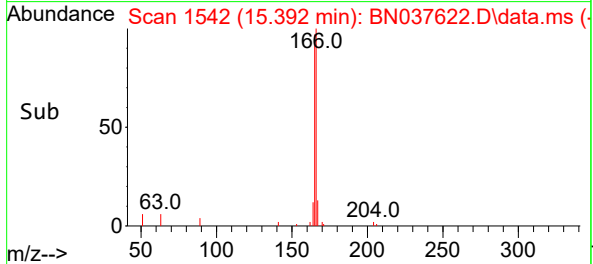
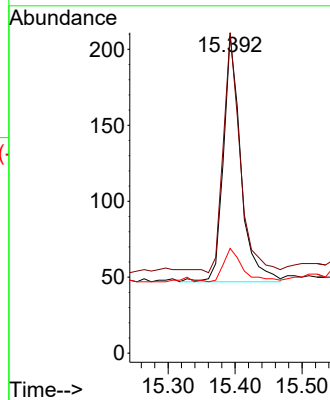
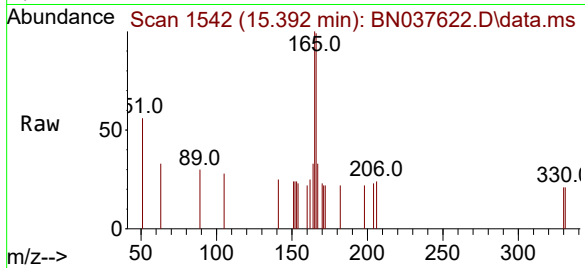




#18
Fluorene
Concen: 0.030 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

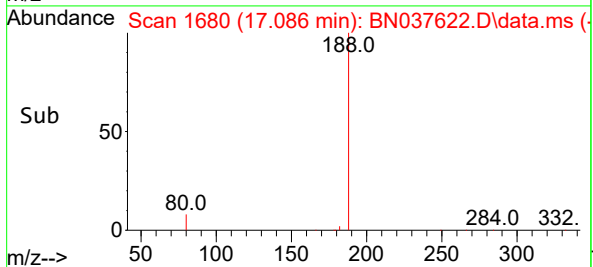
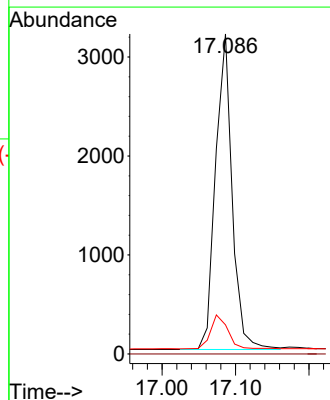
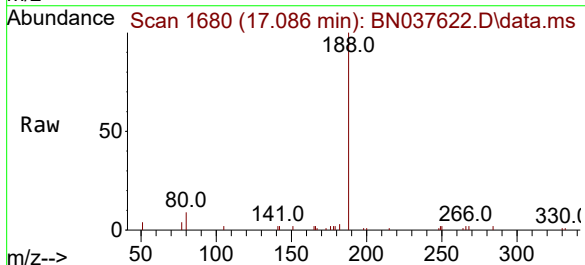
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

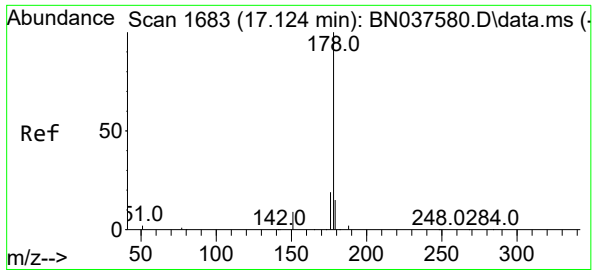
Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.8	78.9	118.3
167	15.0	10.7	16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	9.1	13.7

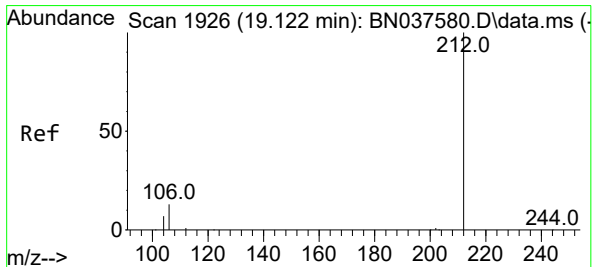
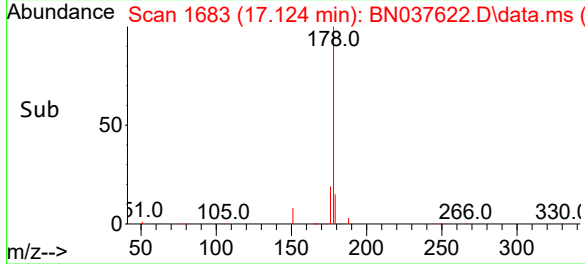
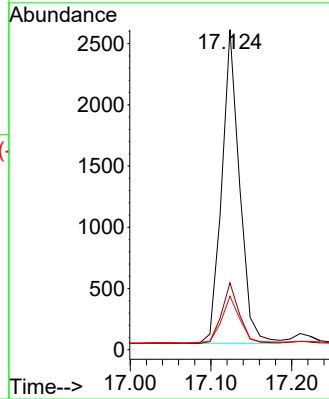
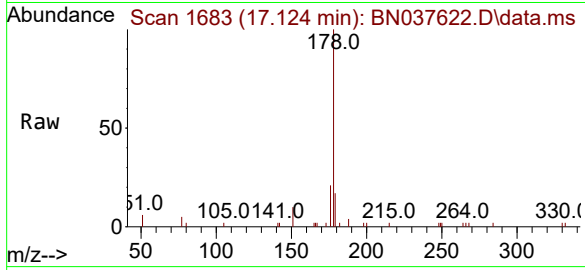




#25
Phenanthrene
Concen: 0.258 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

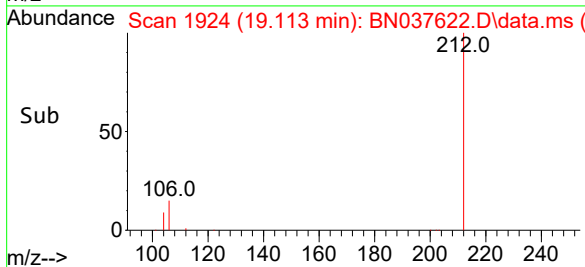
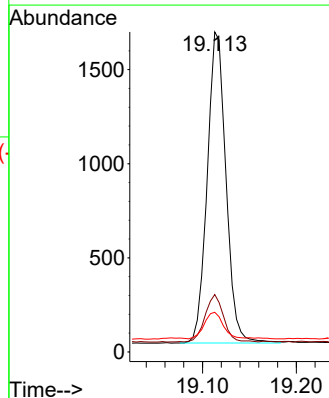
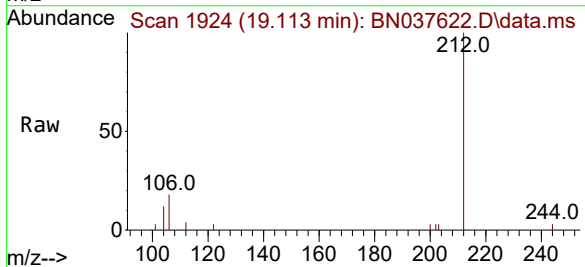
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

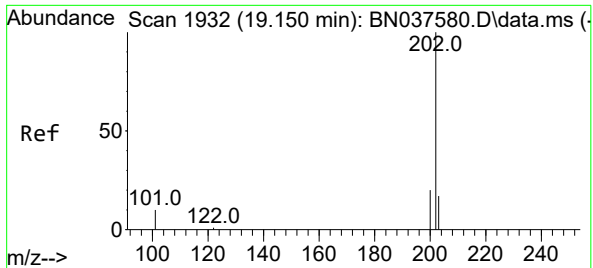
Tgt Ion:	178	Resp:	3918
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	16.1	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.174 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:	212	Resp:	2294
Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.5	17.3
104	9.5	6.6	9.8

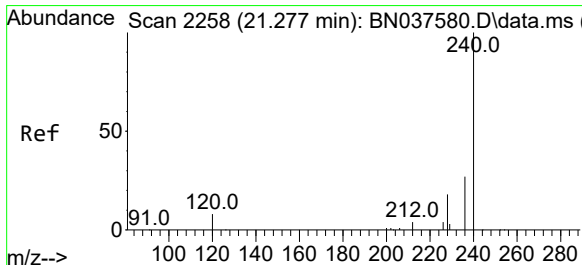
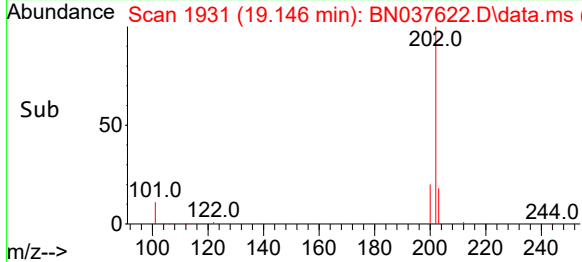
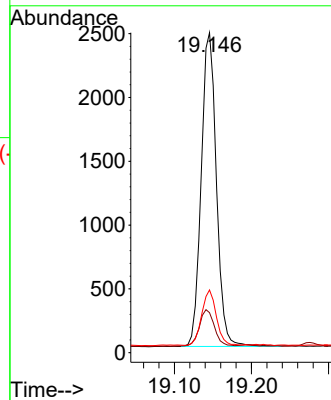
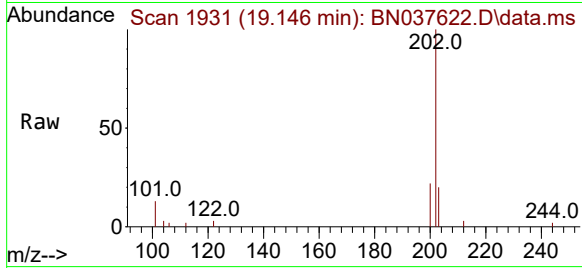




#28
Fluoranthene
Concen: 0.193 ng
RT: 19.146 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

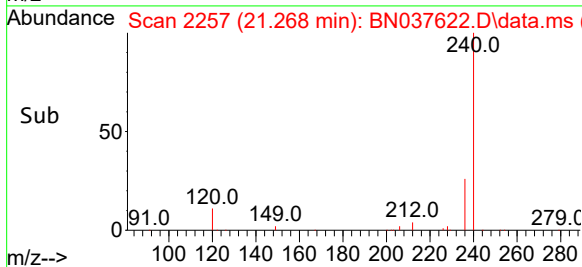
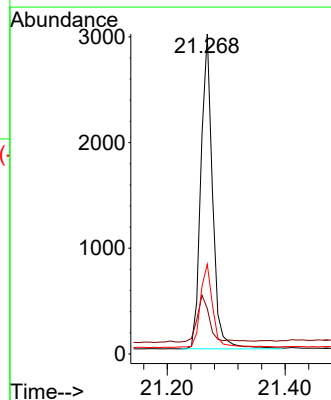
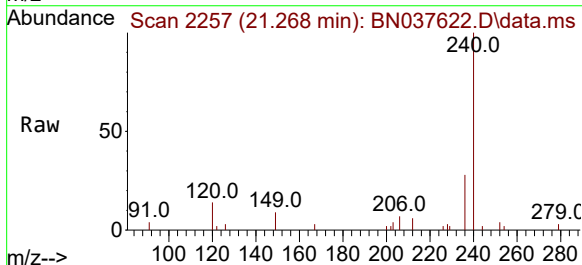
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

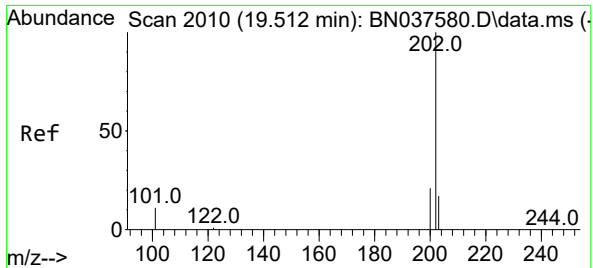
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.0	13.6
203	16.9	13.8	20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3#
236	28.0	22.6	33.8

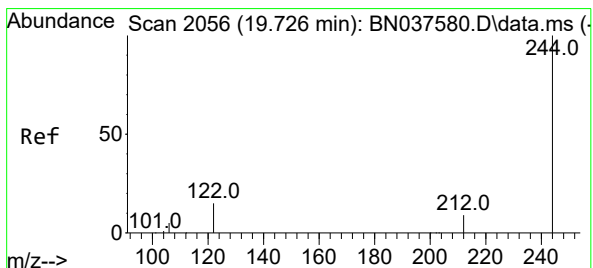
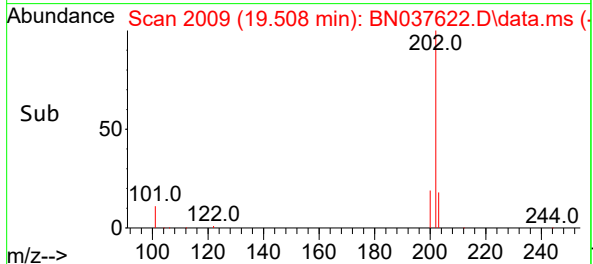
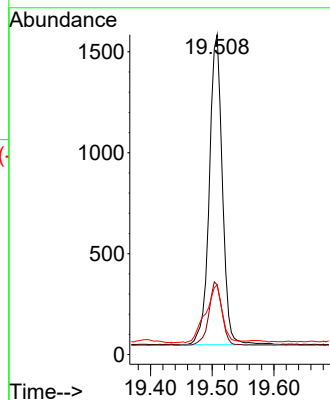
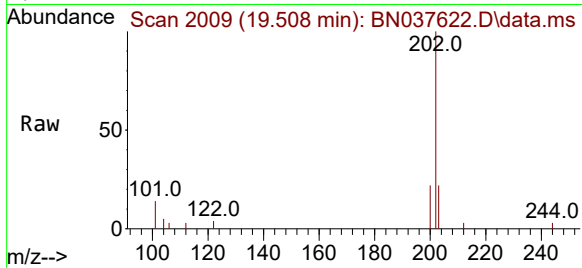




#30
Pyrene
Concen: 0.147 ng
RT: 19.508 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

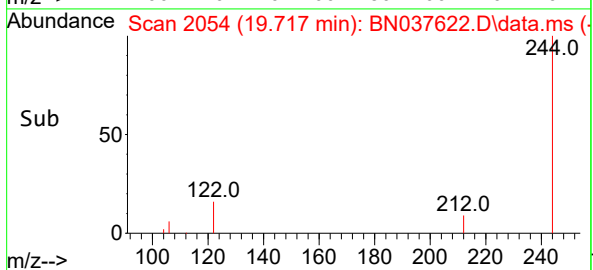
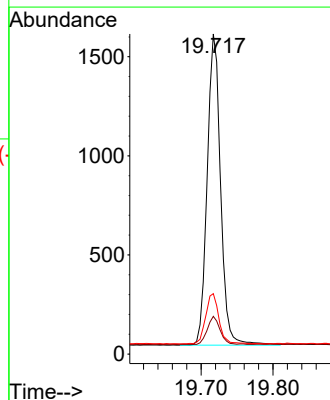
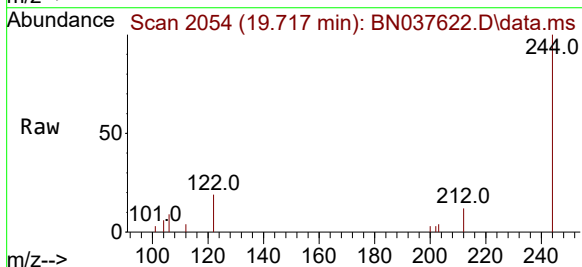
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

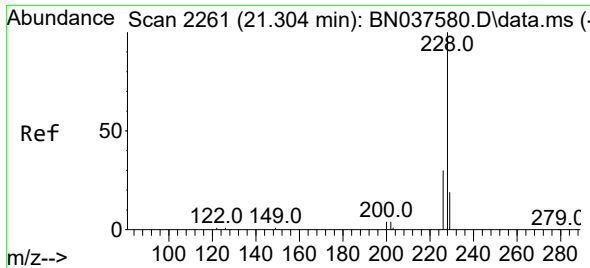
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	24.1	14.3	21.5



#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.8	8.2	12.2
122	18.9	13.2	19.8





#33

Chrysene

Concen: 0.024 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL

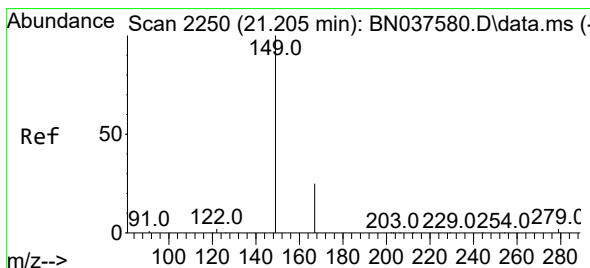
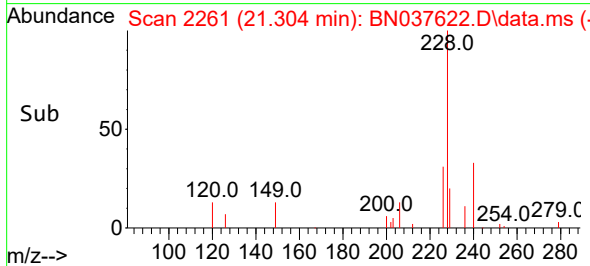
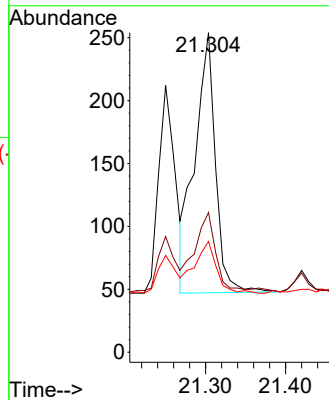
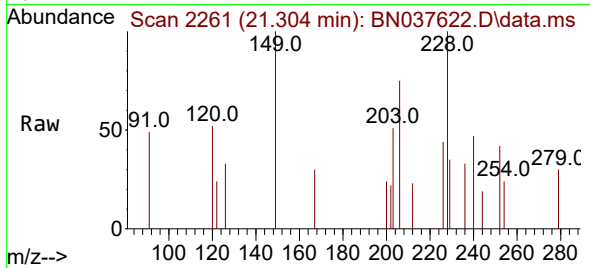
Tgt Ion:228 Resp: 372

Ion Ratio Lower Upper

228 100

226 43.7 24.9 37.3#

229 34.6 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

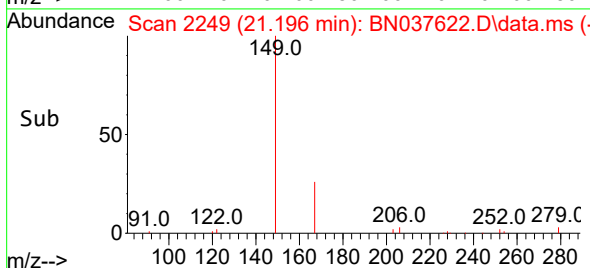
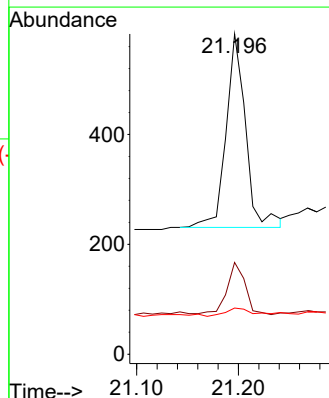
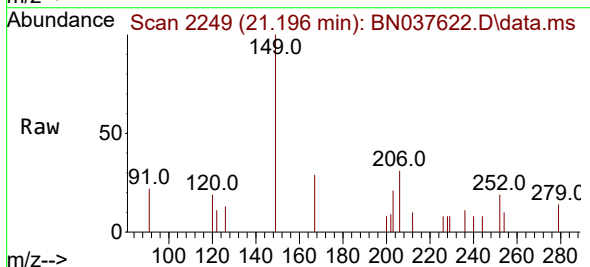
Tgt Ion:149 Resp: 469

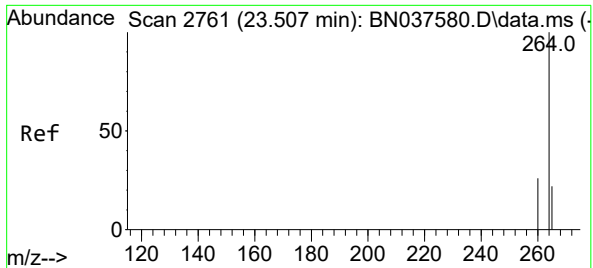
Ion Ratio Lower Upper

149 100

167 25.2 20.5 30.7

279 6.2 2.6 4.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037622.D

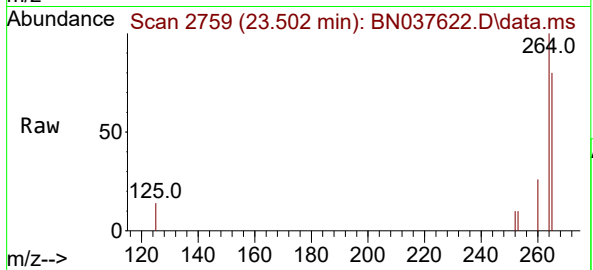
Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL



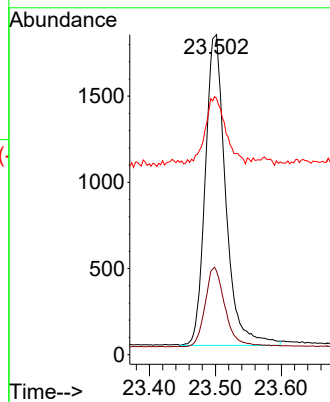
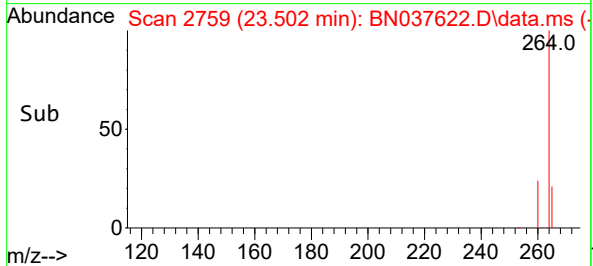
Tgt Ion:264 Resp: 3877

Ion Ratio Lower Upper

264 100

260 26.1 21.6 32.4

265 80.1 48.2 72.4#



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-01-6.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	900 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
BN037609.D	1	08/18/25 08:41	08/19/25 16:05	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.23		30 (20) - 150 (139)	58%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		30 (27) - 130 (154)	67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		30 (54) - 130 (175)	112%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2150	7.717			
1146-65-2	Naphthalene-d8	5200	10.498			
15067-26-2	Acenaphthene-d10	2530	14.345			
1517-22-2	Phenanthrene-d10	5350	17.086			
1719-03-5	Chrysene-d12	5200	21.268			
1520-96-3	Perylene-d12	4970	23.502			

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\BN081925\
 Data File : BN037609.D
 Acq On : 19 Aug 2025 16:05
 Operator : RC/JU
 Sample : Q2869-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-01-6.5-081325

Quant Time: Aug 20 01:27:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

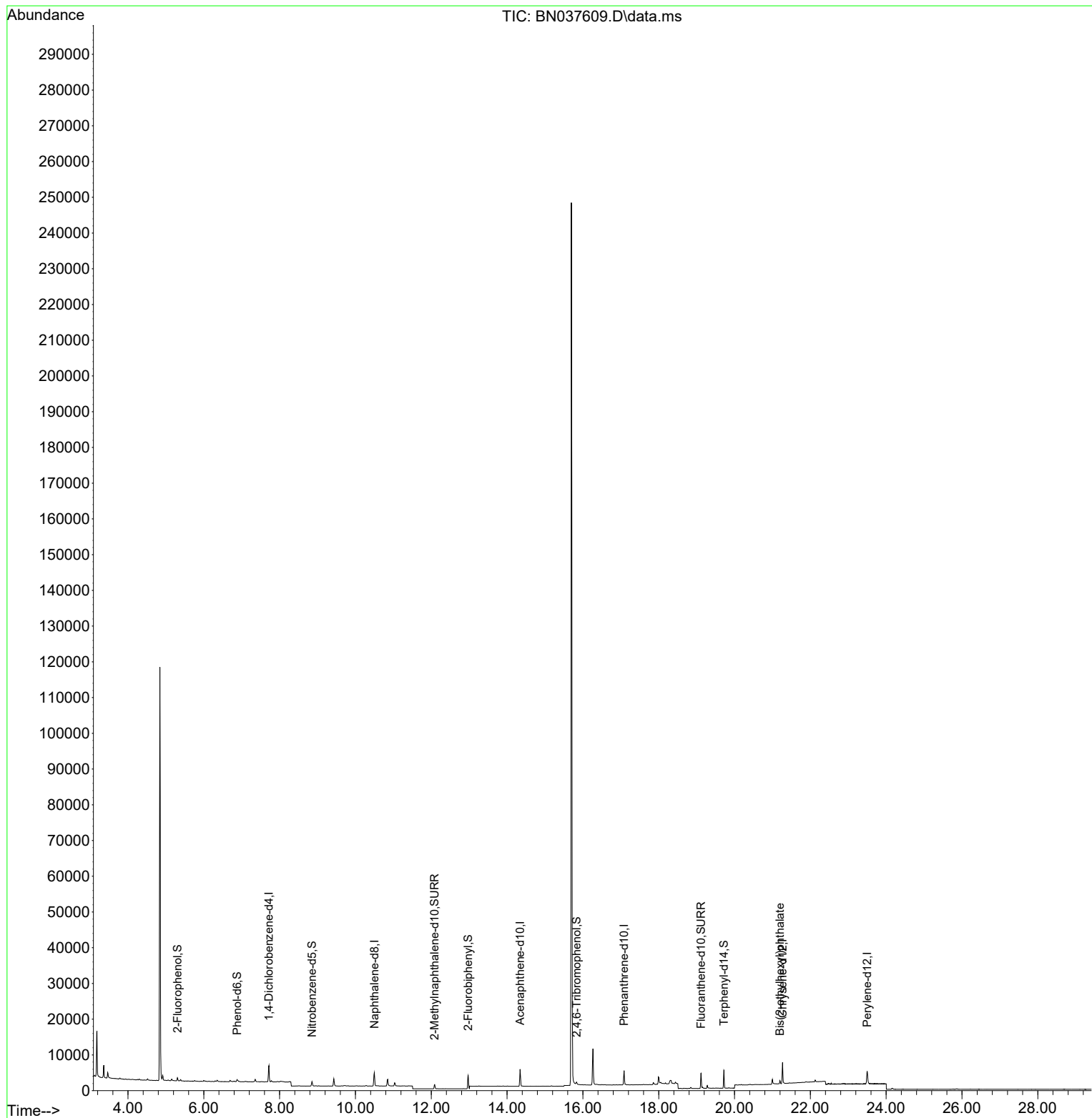
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2151	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5200	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2532	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5354	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5202	0.400	ng	0.00
35) Perylene-d12	23.502	264	4969	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	653	0.134	ng	0.00
5) Phenol-d6	6.879	99	484	0.082	ng	0.00
8) Nitrobenzene-d5	8.854	82	985	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	1652	0.234	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	370	0.334	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4640	0.317	ng	0.00
27) Fluoranthene-d10	19.118	212	4767	0.338	ng	0.00
31) Terphenyl-d14	19.722	244	4803	0.449	ng	0.00
Target Compounds						
34) Bis(2-ethylhexyl)phtha...	21.196	149	929	0.130	ng	99

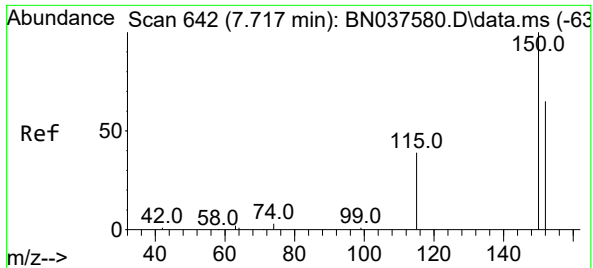
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037609.D
Acq On : 19 Aug 2025 16:05
Operator : RC/JU
Sample : Q2869-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

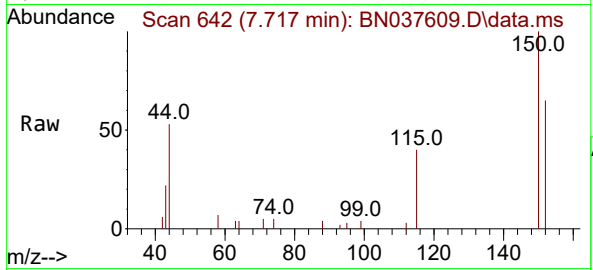
Quant Time: Aug 20 01:27:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



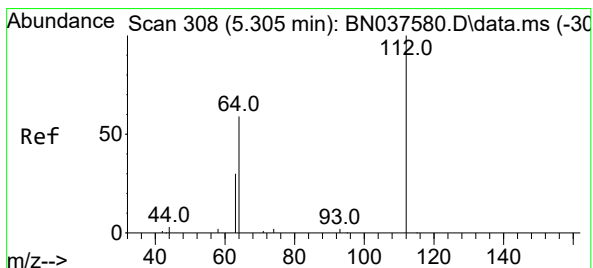
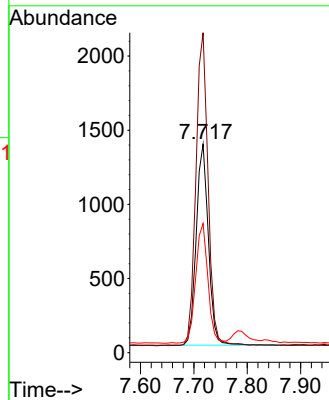
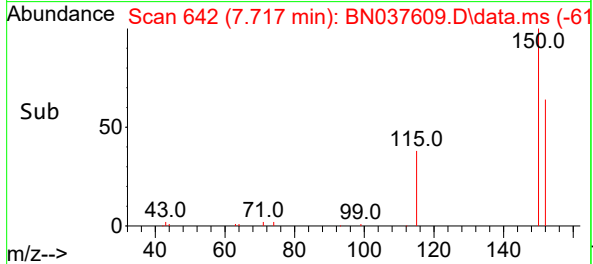


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 642
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

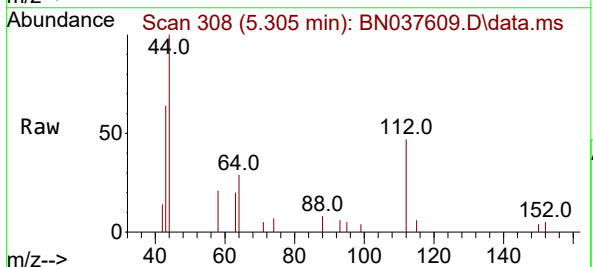
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325



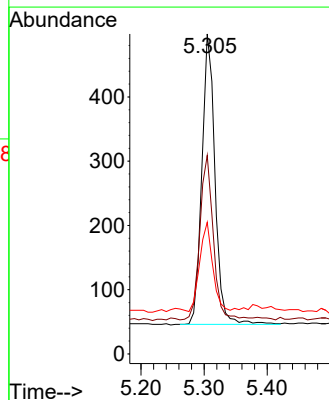
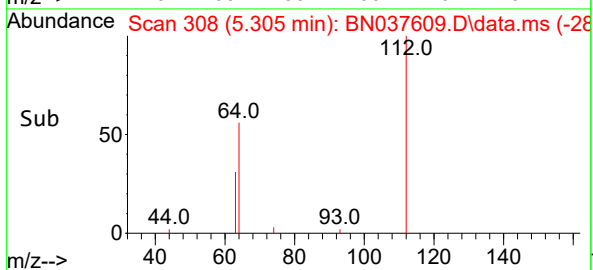
Tgt Ion:152 Resp: 2151
Ion Ratio Lower Upper
152 100
150 153.5 122.2 183.4
115 62.0 49.8 74.6

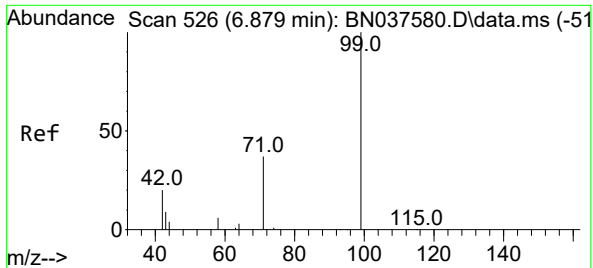


#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05



Tgt Ion:112 Resp: 653
Ion Ratio Lower Upper
112 100
64 58.2 44.9 67.3
63 30.3 23.4 35.2

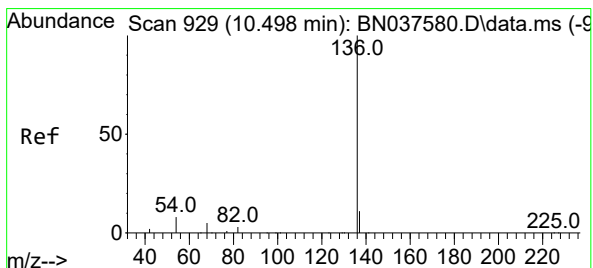
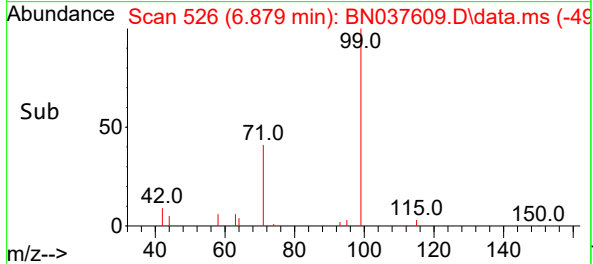
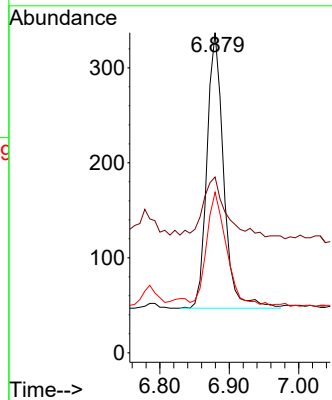
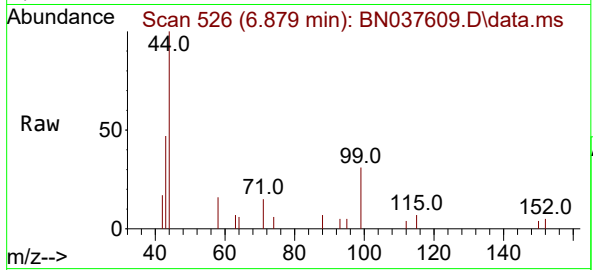




#5
Phenol-d6
Concen: 0.082 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

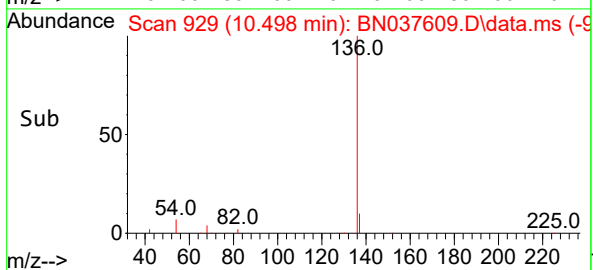
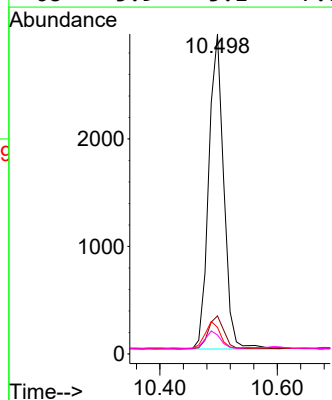
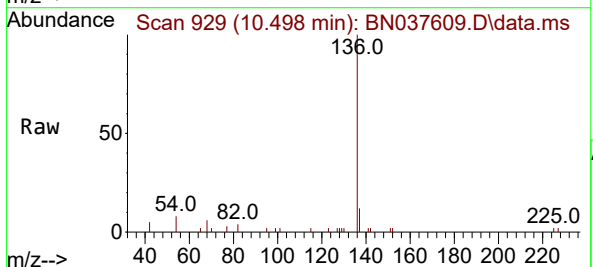
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

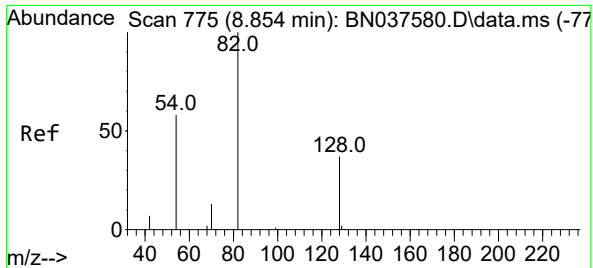
Tgt Ion: 99 Resp: 484
Ion Ratio Lower Upper
99 100
42 32.2 18.5 27.7#
71 47.1 28.6 42.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion: 136 Resp: 5200
Ion Ratio Lower Upper
136 100
137 11.9 9.5 14.3
54 8.3 7.3 10.9
68 5.9 5.1 7.7

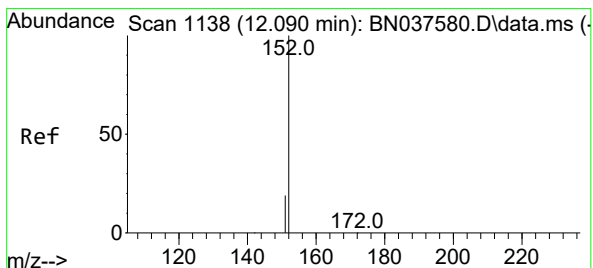
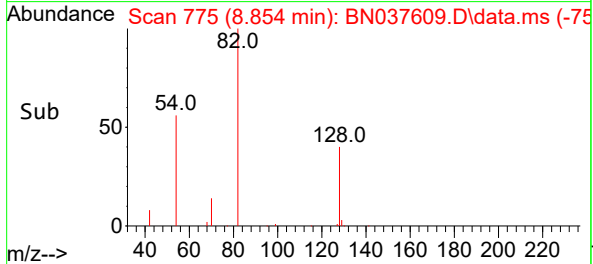
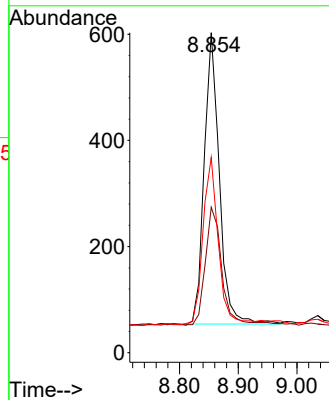
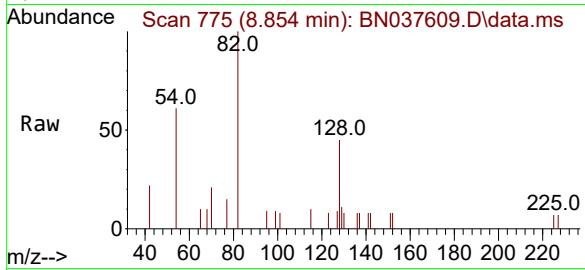




#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

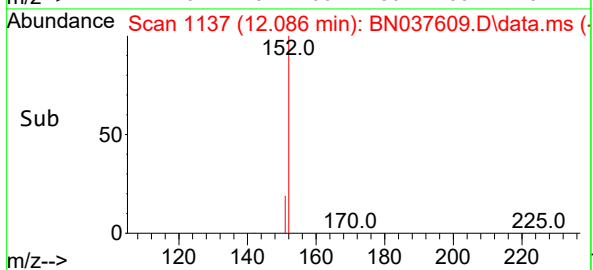
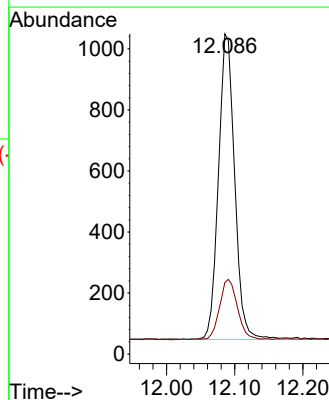
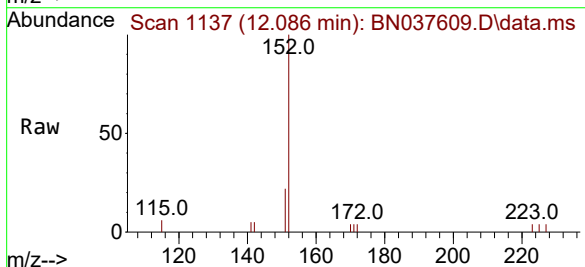
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

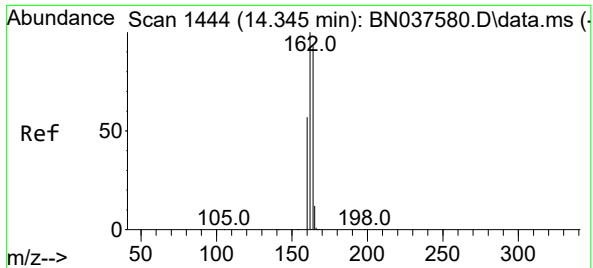
Tgt Ion:	82	Resp:	985
Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	48.8
54	61.0	48.9	73.3



#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:	152	Resp:	1652
Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.3	25.9

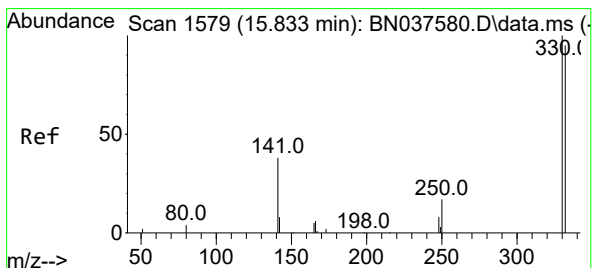
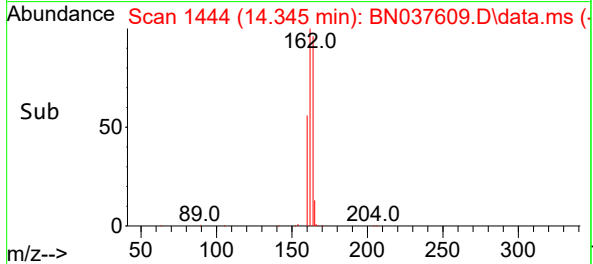
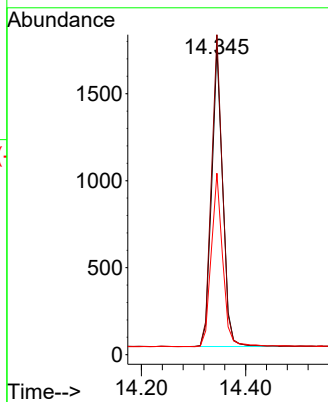
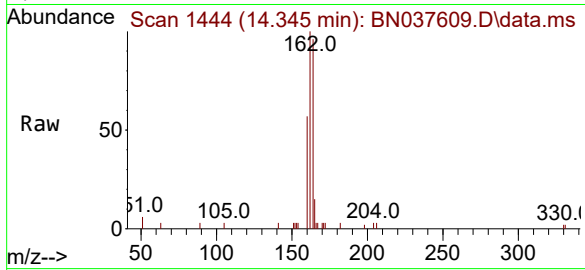




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

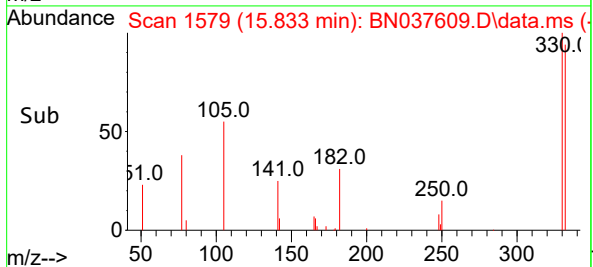
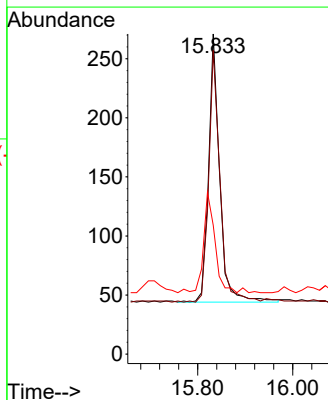
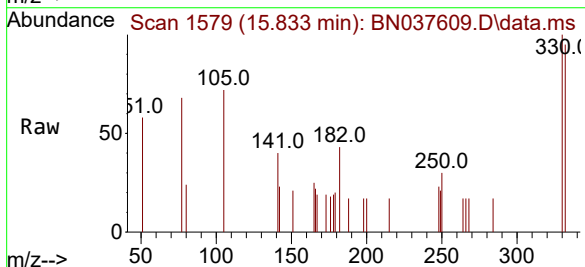
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

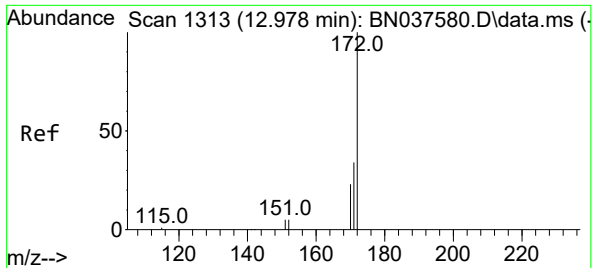
Tgt Ion:164 Resp: 2532
Ion Ratio Lower Upper
164 100
162 104.2 85.5 128.3
160 59.1 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:330 Resp: 370
Ion Ratio Lower Upper
330 100
332 94.3 77.4 116.0
141 38.1 30.9 46.3

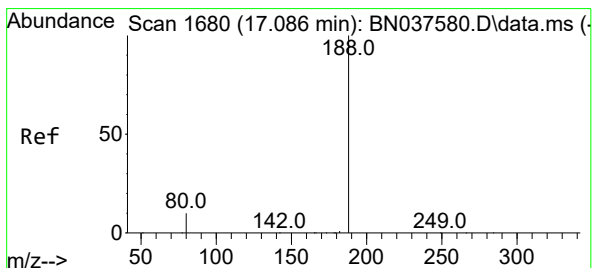
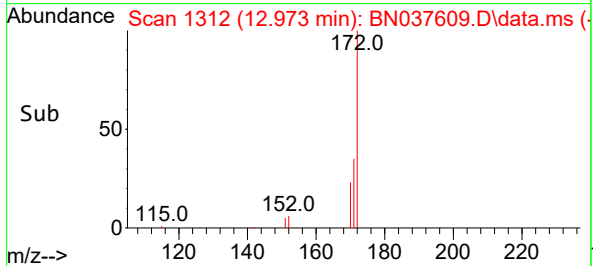
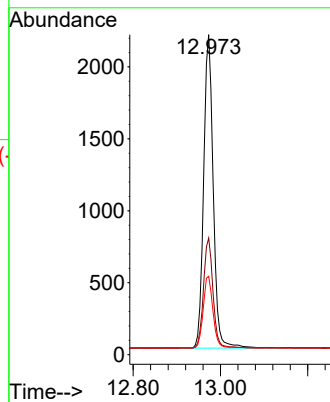
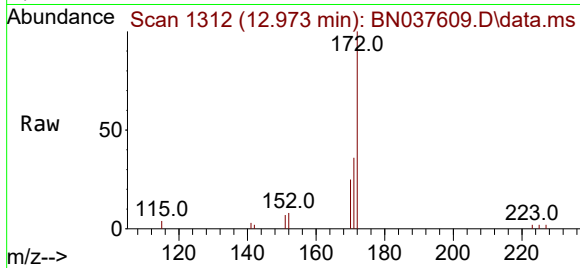




#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 12.973 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

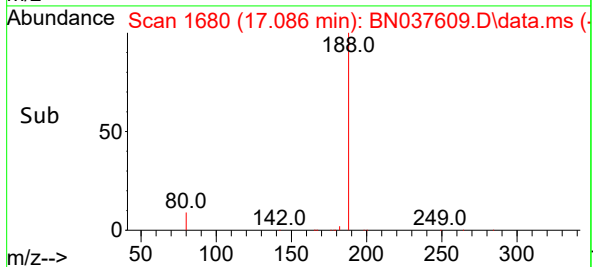
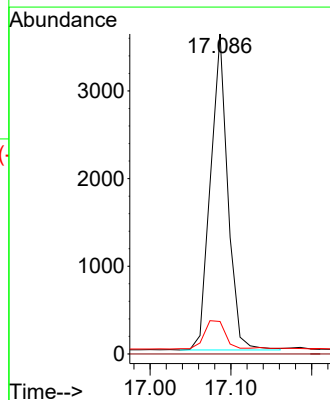
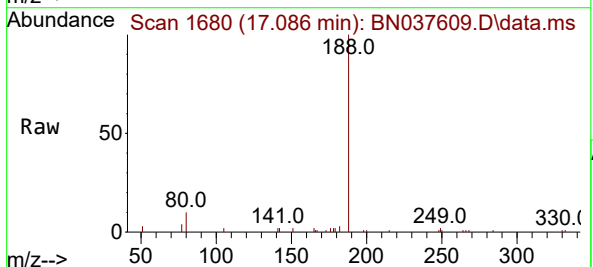
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

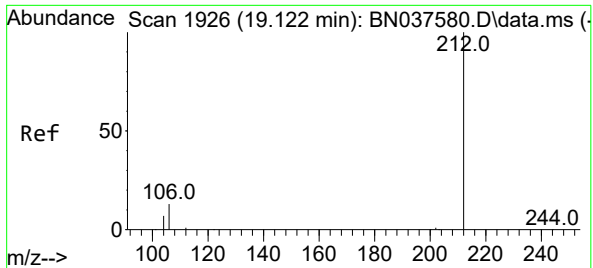
Tgt Ion:	172	Resp:	4640
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	24.5	19.2	28.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:	188	Resp:	5354
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	9.1	13.7

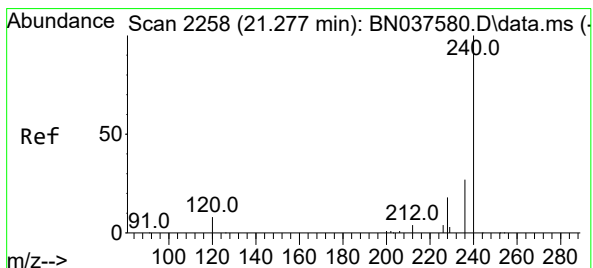
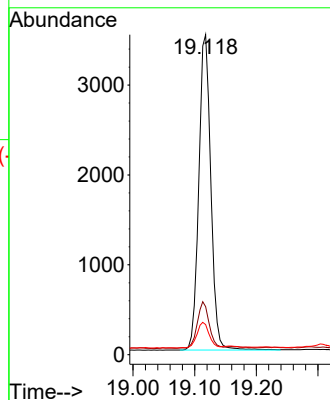
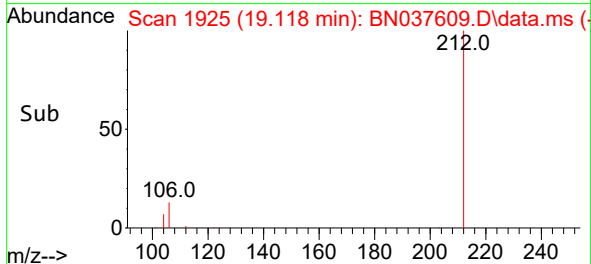
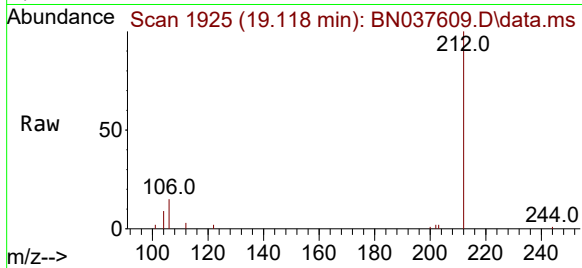




#27
Fluoranthene-d10
Concen: 0.338 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

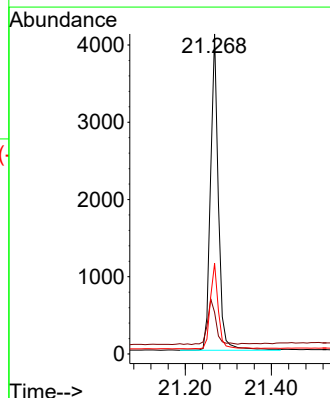
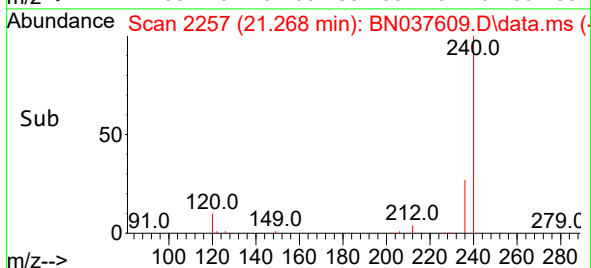
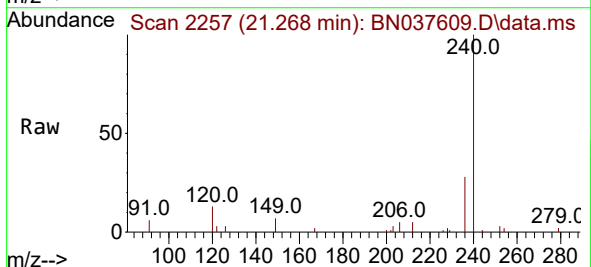
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

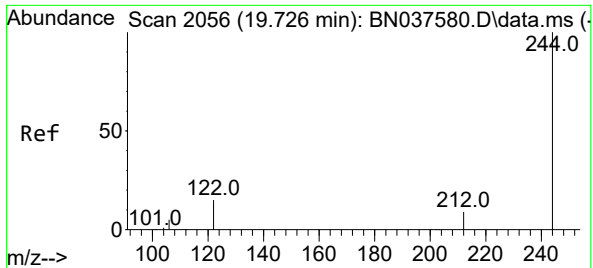
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.5	17.3
104	8.2	6.6	9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.9	13.3
236	28.3	22.6	33.8

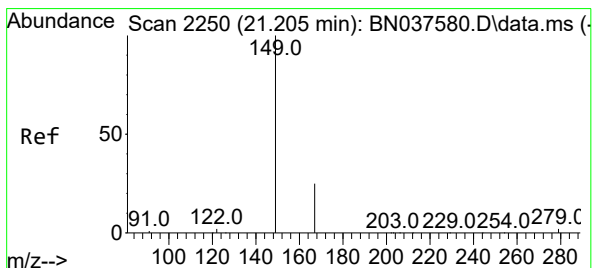
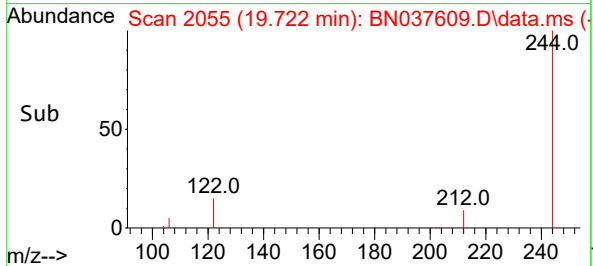
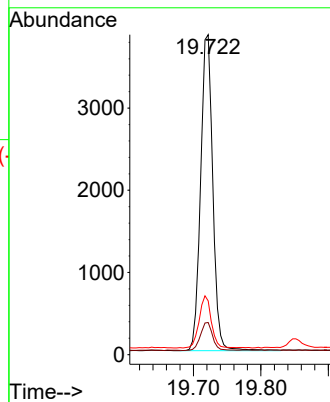
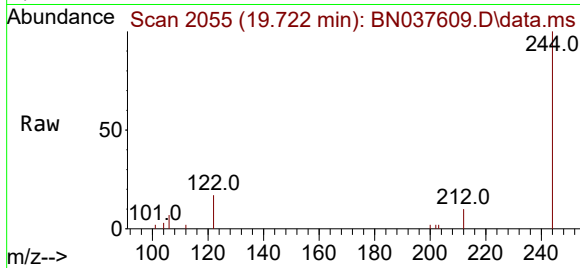




#31
 Terphenyl-d14
 Concen: 0.449 ng
 RT: 19.722 min Scan# 2056
 Delta R.T. -0.004 min
 Lab File: BN037609.D
 Acq: 19 Aug 2025 16:05

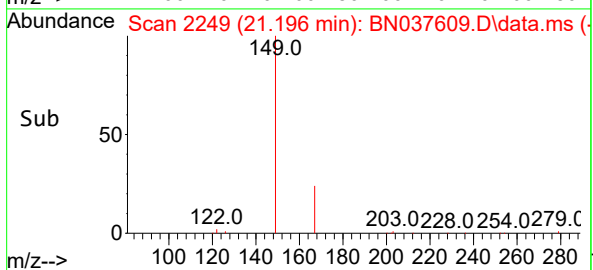
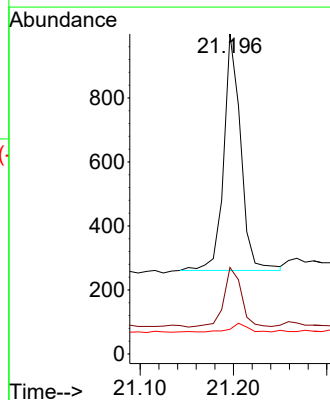
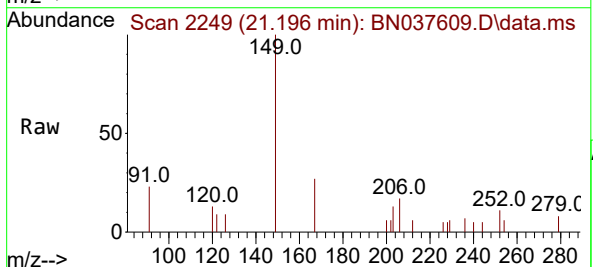
Instrument :
 BNA_N
 ClientSampleId :
 MW-01-6.5-081325

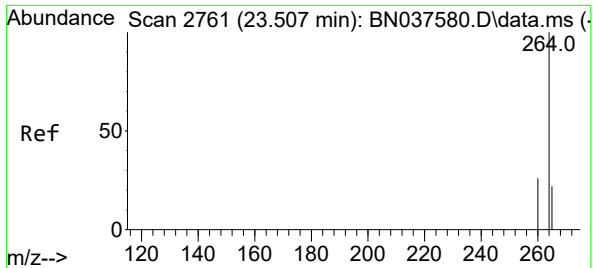
Tgt Ion:244 Resp: 4803
 Ion Ratio Lower Upper
 244 100
 212 10.0 8.2 12.2
 122 16.8 13.2 19.8



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.130 ng
 RT: 21.196 min Scan# 2249
 Delta R.T. -0.009 min
 Lab File: BN037609.D
 Acq: 19 Aug 2025 16:05

Tgt Ion:149 Resp: 929
 Ion Ratio Lower Upper
 149 100
 167 26.3 20.5 30.7
 279 3.4 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037609.D

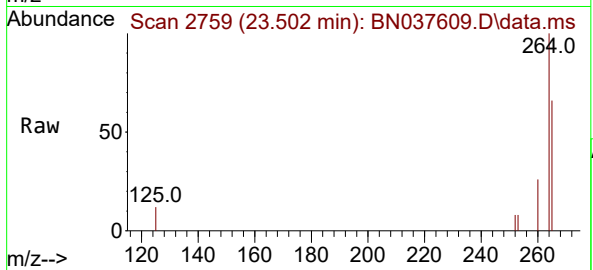
Acq: 19 Aug 2025 16:05

Instrument :

BNA_N

ClientSampleId :

MW-01-6.5-081325



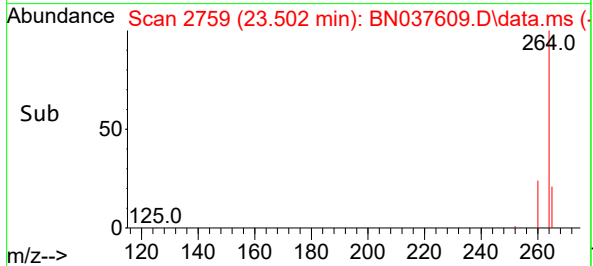
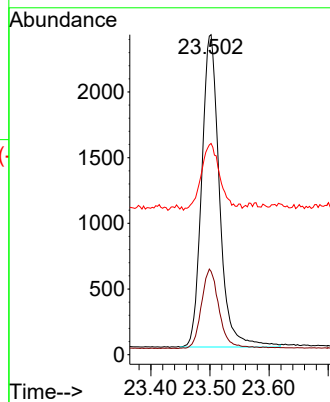
Tgt Ion:264 Resp: 4969

Ion	Ratio	Lower	Upper

264	100		

260	26.0	21.6	32.4

265	66.0	48.2	72.4



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-11A-13.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-04	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
BN037610.D	1	08/18/25 08:41	08/19/25 16:42	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	2.30		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		30 (30) - 130 (155)	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		30 (54) - 130 (175)	125%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2500	7.717			
1146-65-2	Naphthalene-d8	6050	10.498			
15067-26-2	Acenaphthene-d10	2960	14.345			
1517-22-2	Phenanthrene-d10	6180	17.087			
1719-03-5	Chrysene-d12	5540	21.268			
1520-96-3	Perylene-d12	5230	23.499			

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\BN081925\
 Data File : BN037610.D
 Acq On : 19 Aug 2025 16:42
 Operator : RC/JU
 Sample : Q2869-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11A-13.5-081325

Quant Time: Aug 20 01:27:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

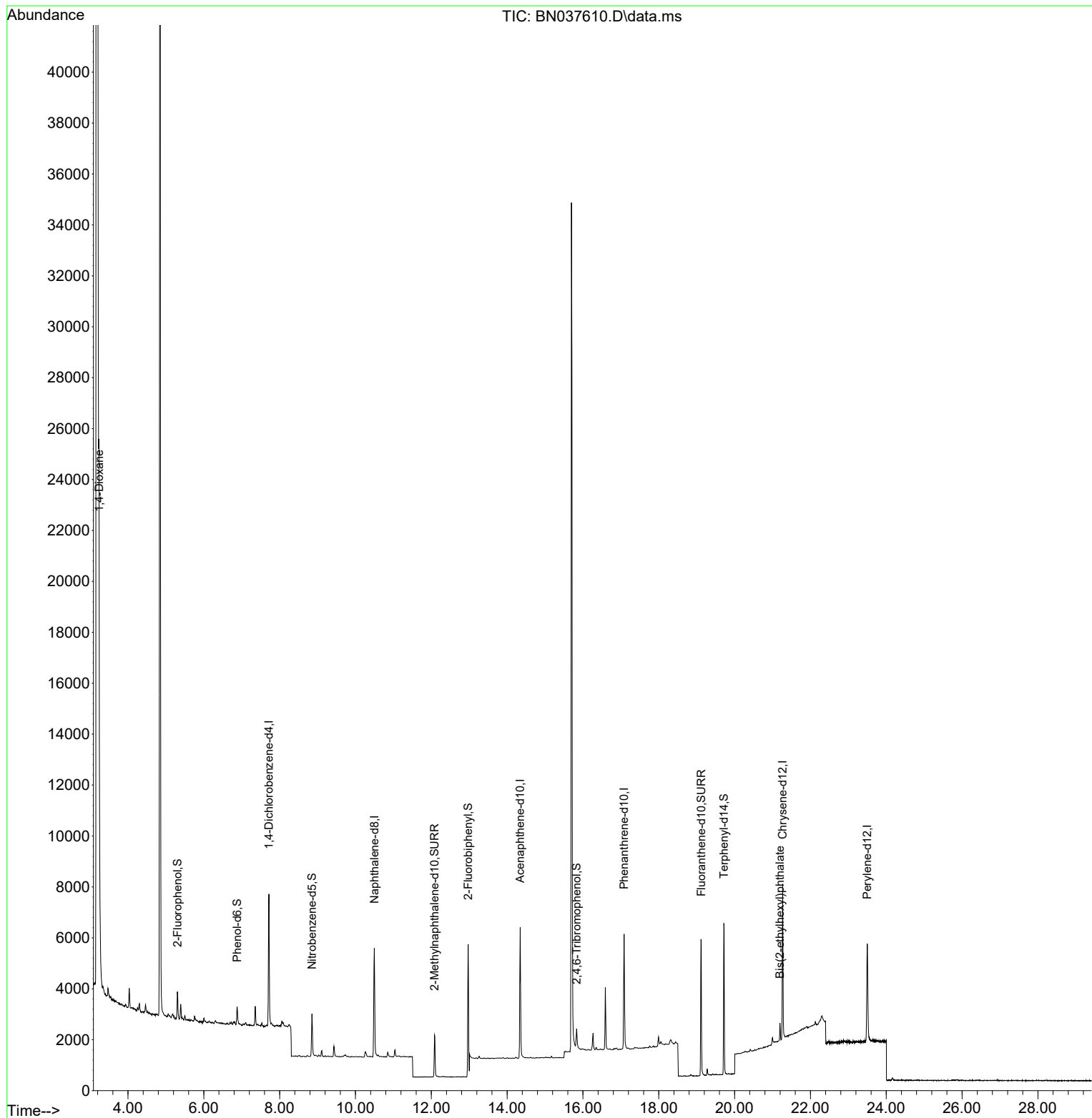
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2495	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	6050	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2961	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	6177	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5539	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	5233	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	830	0.147	ng	0.00
5) Phenol-d6	6.880	99	585	0.086	ng	0.00
8) Nitrobenzene-d5	8.854	82	1383	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2376	0.289	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	497	0.384	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	6938	0.405	ng	0.00
27) Fluoranthene-d10	19.118	212	6064	0.373	ng	0.00
31) Terphenyl-d14	19.717	244	5707	0.501	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.240	88	5375	2.252	ng	Qvalue 97
34) Bis(2-ethylhexyl)phtha...	21.196	149	628	0.082	ng	# 96

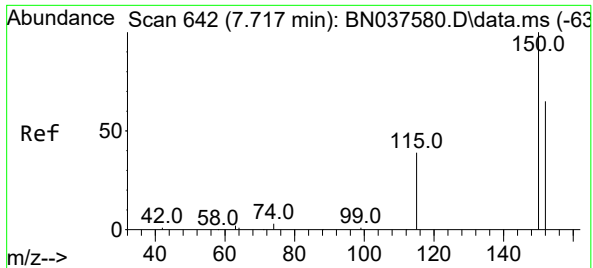
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037610.D
Acq On : 19 Aug 2025 16:42
Operator : RC/JU
Sample : Q2869-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Quant Time: Aug 20 01:27:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

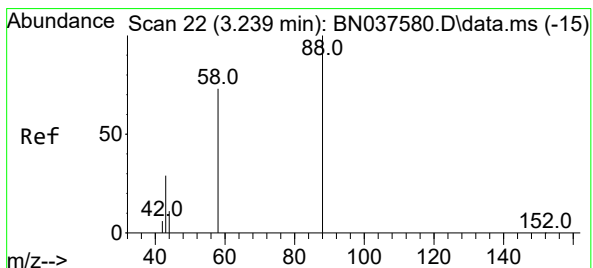
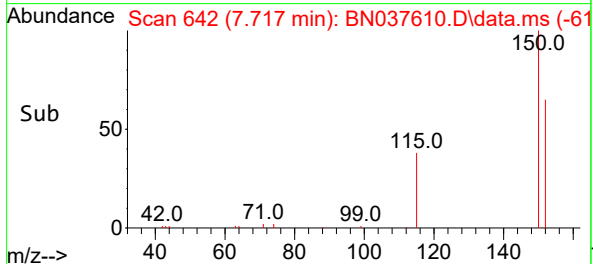
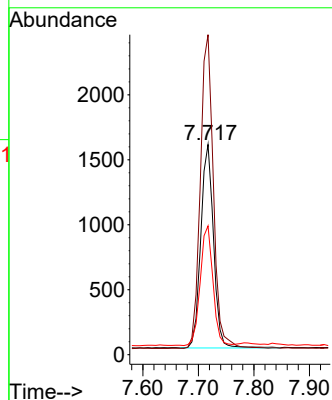
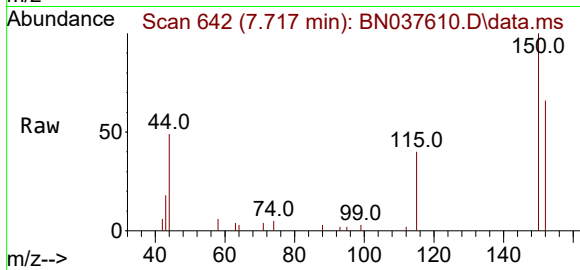




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

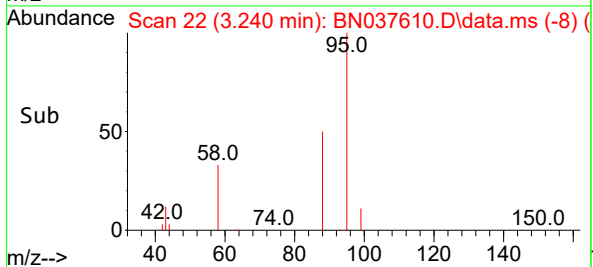
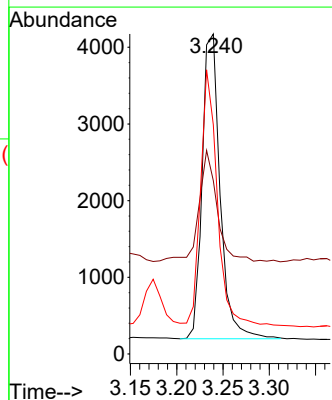
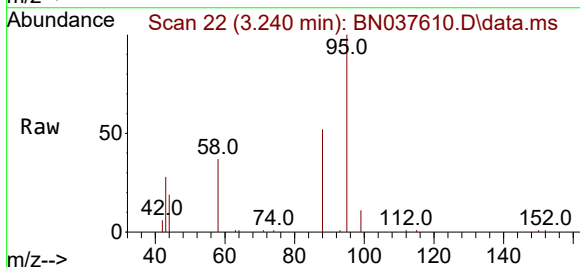
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.2	122.2	183.4
115	61.2	49.8	74.6

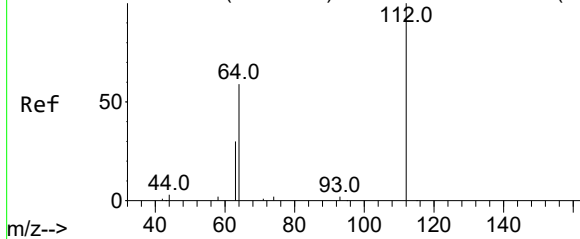


#2
1,4-Dioxane
Concen: 2.252 ng
RT: 3.240 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.3	25.8	38.6
58	77.5	61.2	91.8



Abundance Scan 308 (5.305 min): BN037580.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.147 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-081325

Tgt Ion:112 Resp: 830

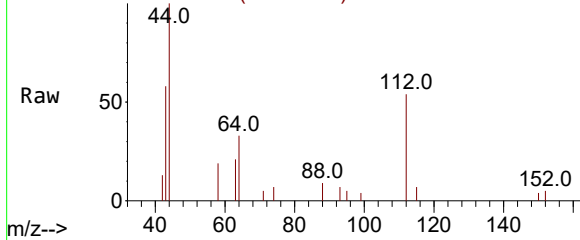
Ion Ratio Lower Upper

112 100

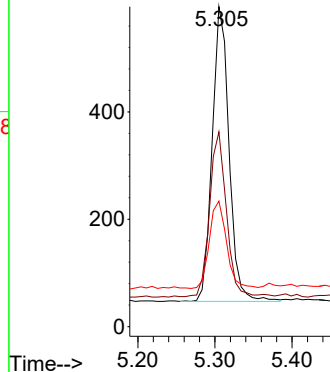
64 56.7 44.9 67.3

63 30.2 23.4 35.2

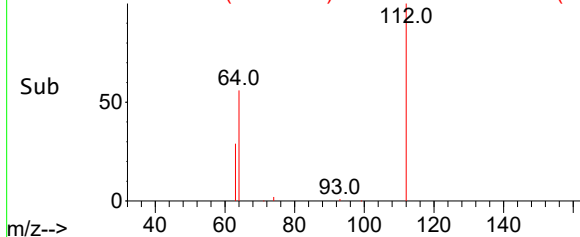
Abundance Scan 308 (5.305 min): BN037610.D\data.ms



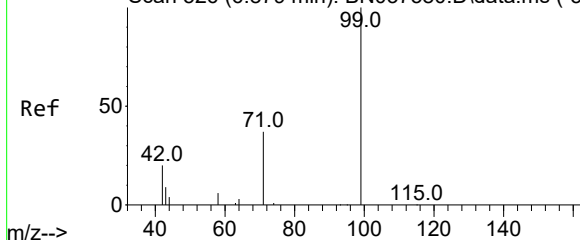
Abundance



Abundance Scan 308 (5.305 min): BN037610.D\data.ms (-28



Abundance Scan 526 (6.879 min): BN037580.D\data.ms (-51



#5

Phenol-d6

Concen: 0.086 ng

RT: 6.880 min Scan# 526

Delta R.T. 0.000 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Tgt Ion: 99 Resp: 585

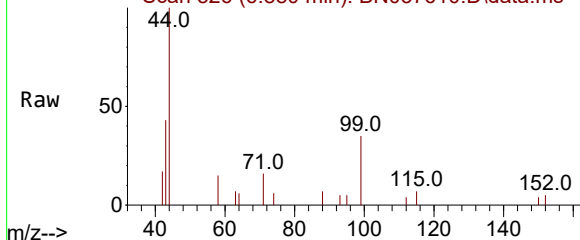
Ion Ratio Lower Upper

99 100

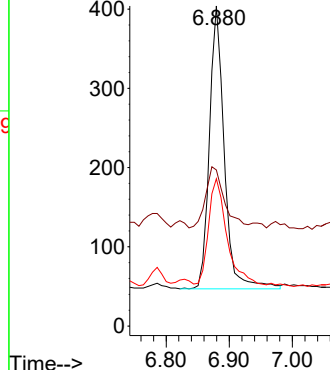
42 26.7 18.5 27.7

71 46.0 28.6 42.8#

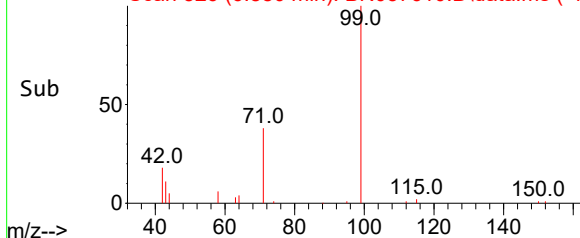
Abundance Scan 526 (6.880 min): BN037610.D\data.ms

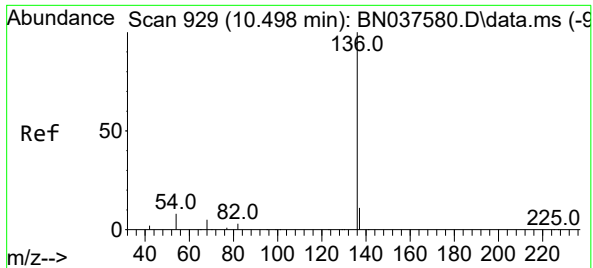


Abundance



Abundance Scan 526 (6.880 min): BN037610.D\data.ms (-49

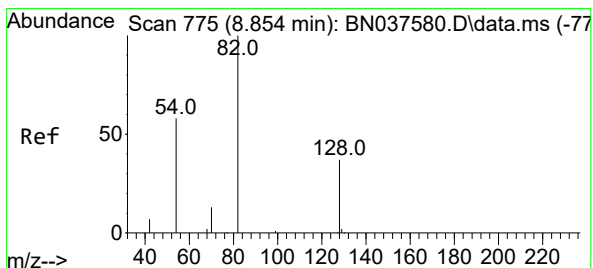
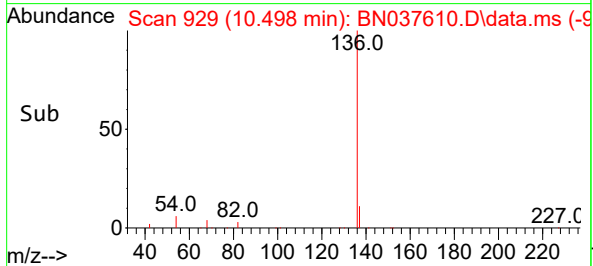
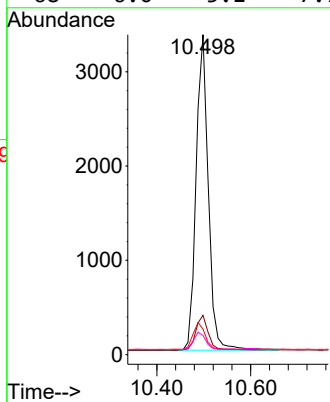
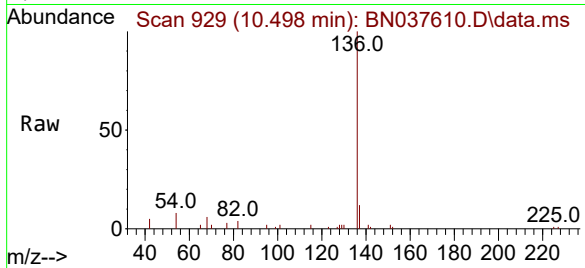




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

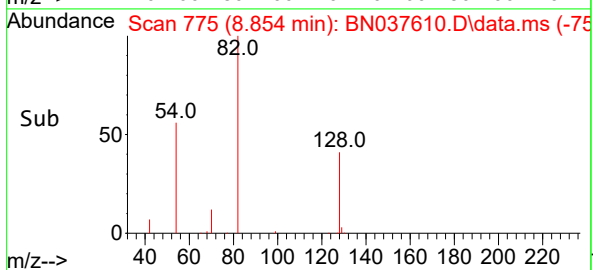
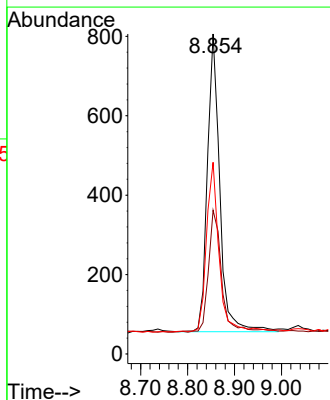
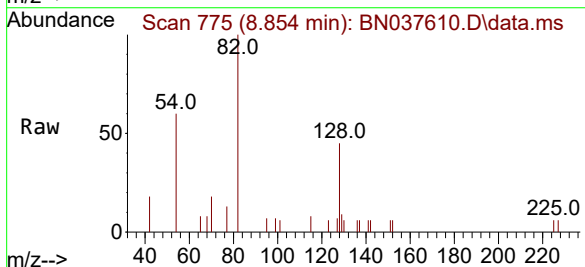
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

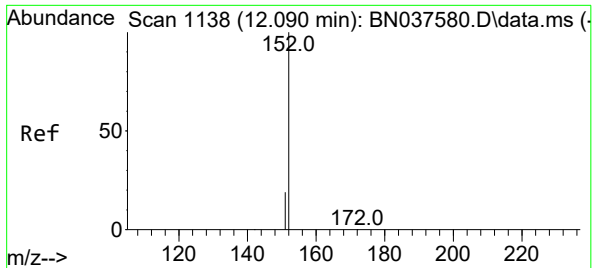
Tgt Ion:	136	Resp:	6050
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	8.0	7.3	10.9
68	6.0	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:	82	Resp:	1383
Ion	Ratio	Lower	Upper
82	100		
128	44.9	32.6	48.8
54	59.9	48.9	73.3

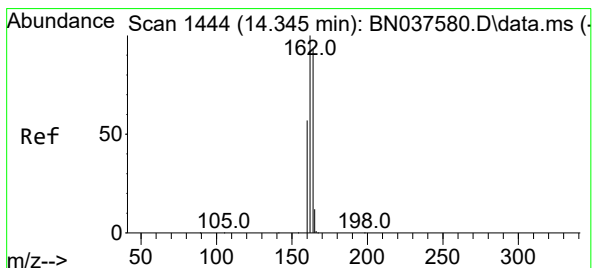
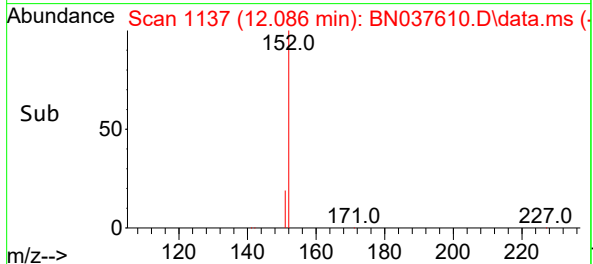
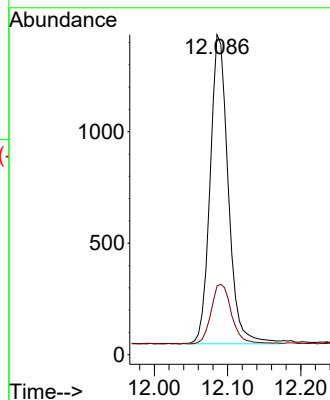
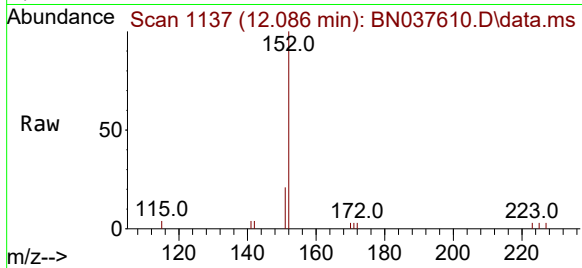




#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

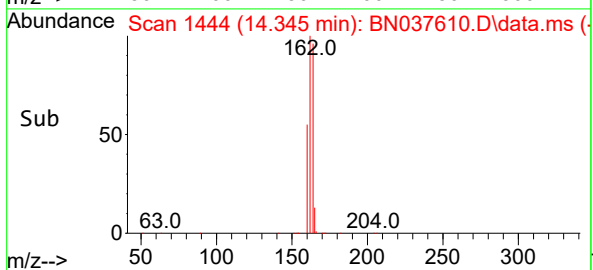
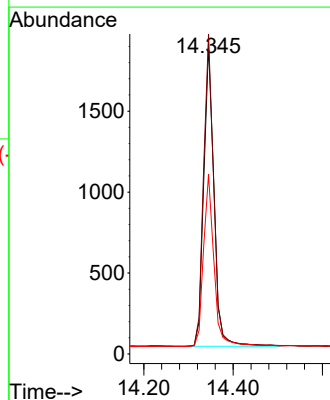
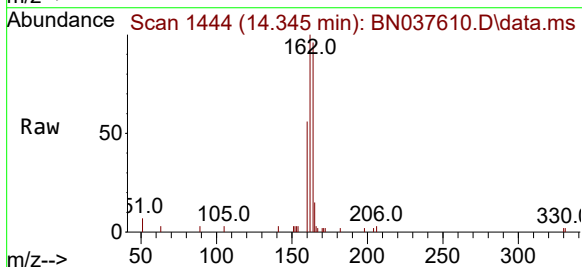
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

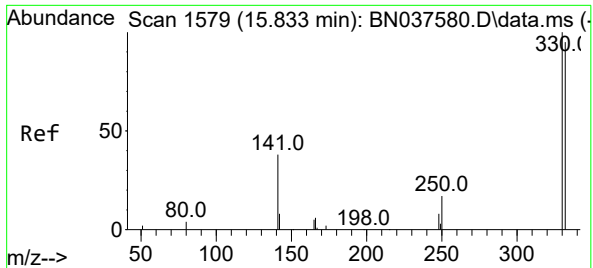
Tgt Ion:152 Resp: 2376
Ion Ratio Lower Upper
152 100
151 21.8 17.3 25.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:164 Resp: 2961
Ion Ratio Lower Upper
164 100
162 103.7 85.5 128.3
160 58.2 49.5 74.3

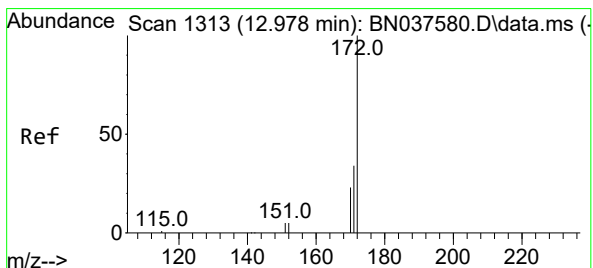
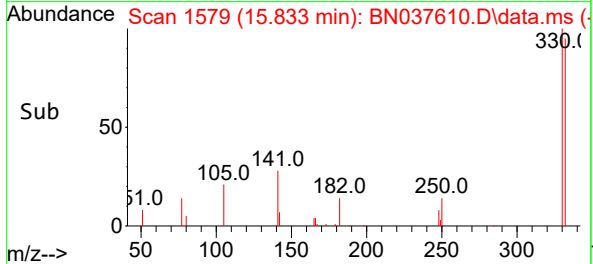
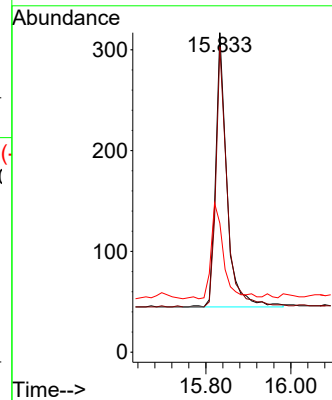
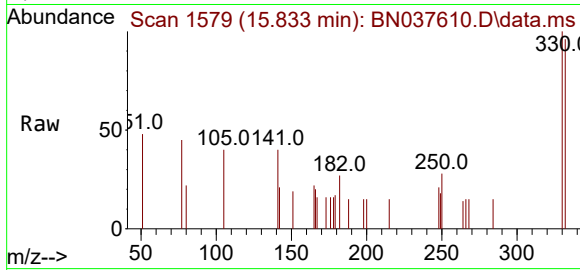




#14
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

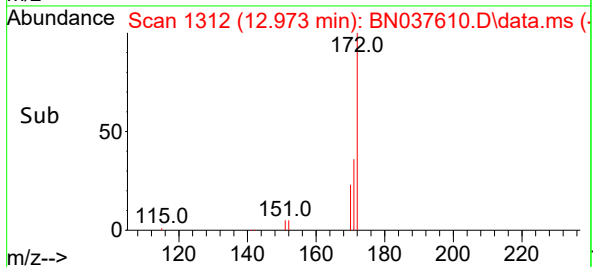
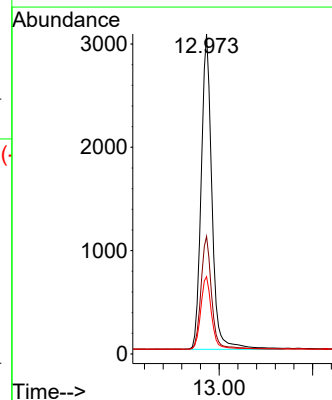
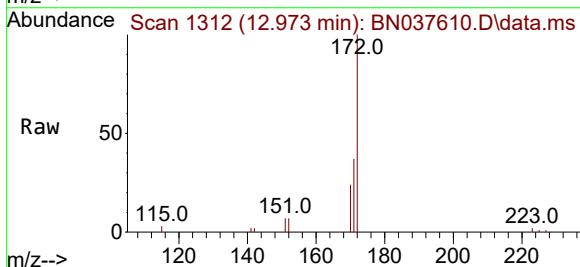
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

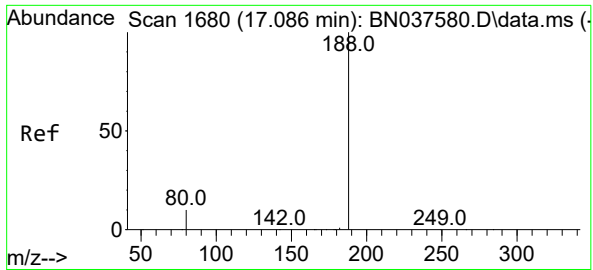
Tgt Ion:330 Resp: 497
Ion Ratio Lower Upper
330 100
332 94.6 77.4 116.0
141 39.6 30.9 46.3



#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:172 Resp: 6938
Ion Ratio Lower Upper
172 100
171 36.7 28.2 42.4
170 24.2 19.2 28.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-081325

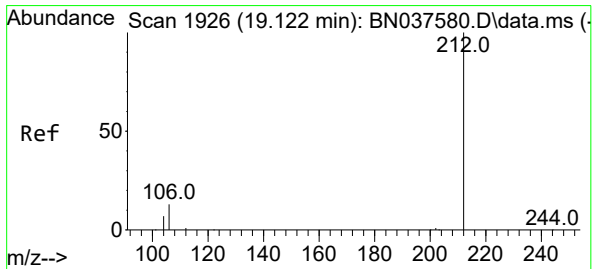
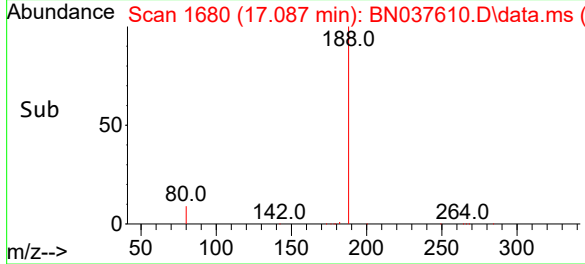
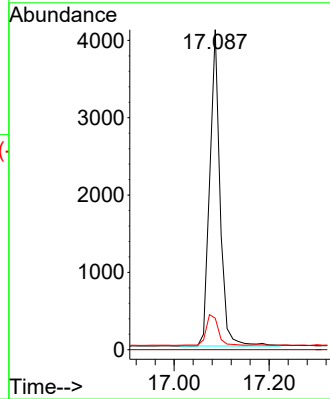
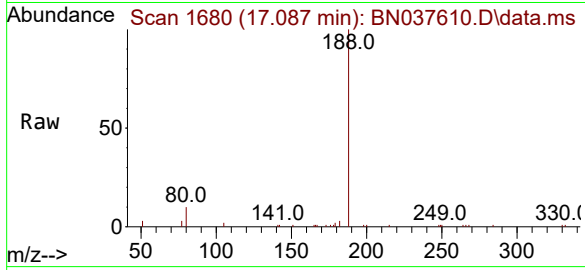
Tgt Ion:188 Resp: 6177

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 9.1 13.7



#27

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.004 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

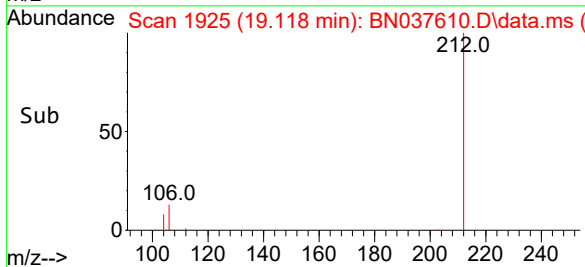
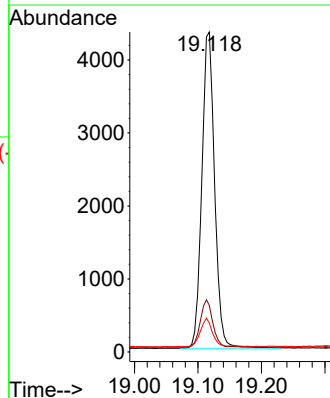
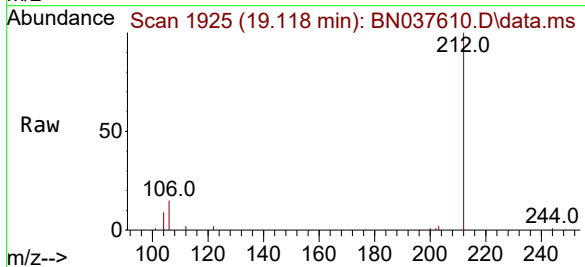
Tgt Ion:212 Resp: 6064

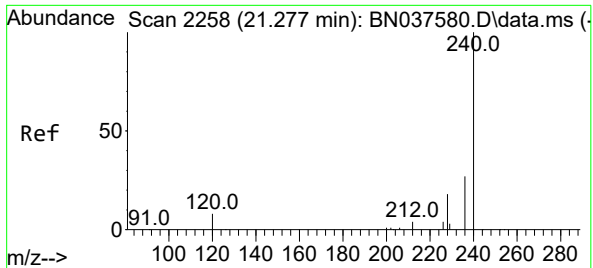
Ion Ratio Lower Upper

212 100

106 14.7 11.5 17.3

104 8.5 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

Instrument :

BNA_N

ClientSampleId :

MW-11A-13.5-081325

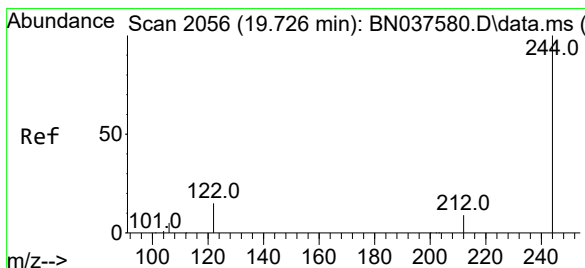
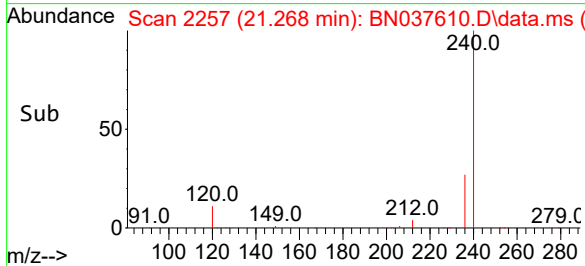
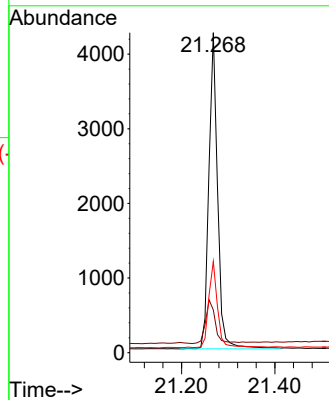
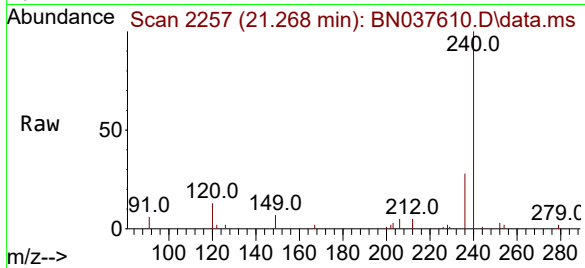
Tgt Ion:240 Resp: 5539

Ion Ratio Lower Upper

240 100

120 13.4 8.9 13.3#

236 28.5 22.6 33.8



#31

Terphenyl-d14

Concen: 0.501 ng

RT: 19.717 min Scan# 2054

Delta R.T. -0.009 min

Lab File: BN037610.D

Acq: 19 Aug 2025 16:42

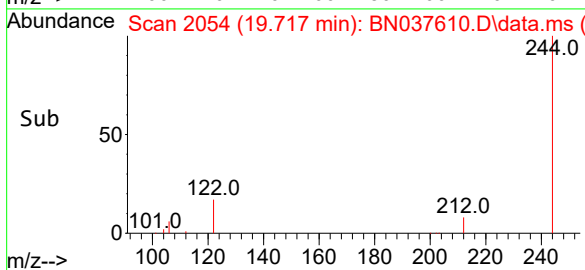
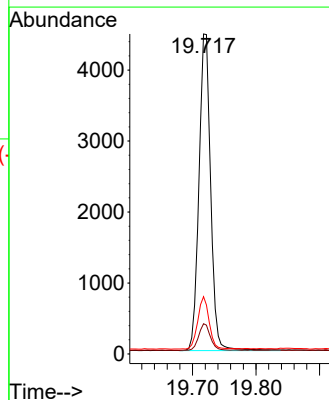
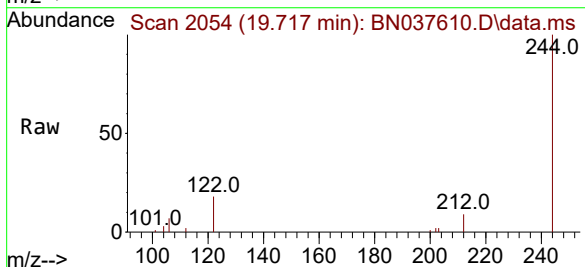
Tgt Ion:244 Resp: 5707

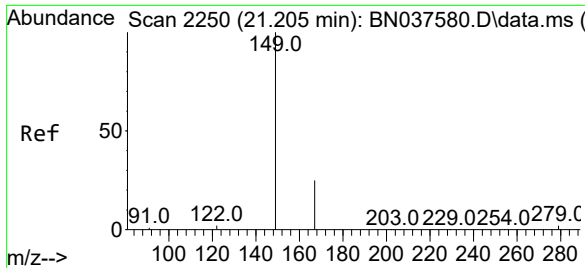
Ion Ratio Lower Upper

244 100

212 9.4 8.2 12.2

122 17.9 13.2 19.8

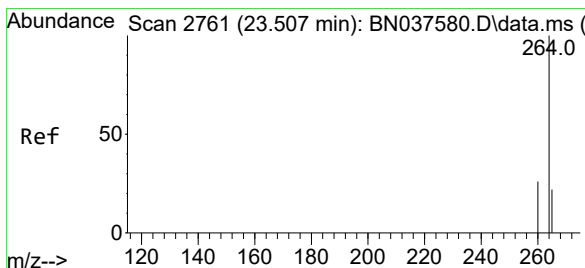
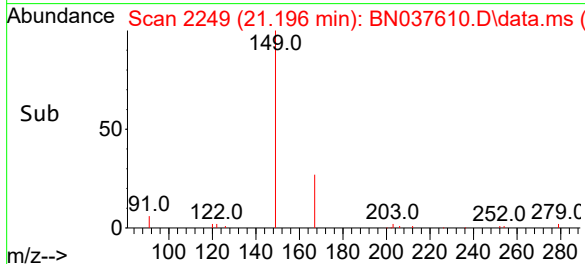
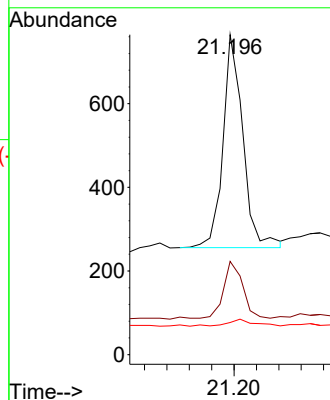
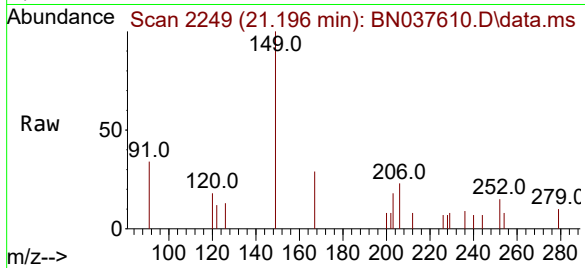




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.196 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

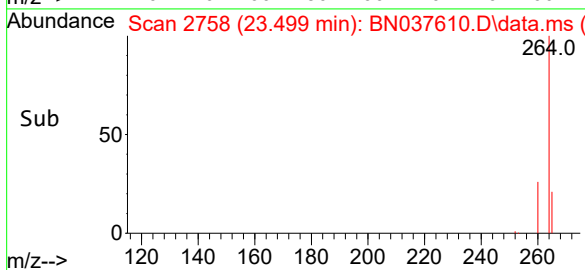
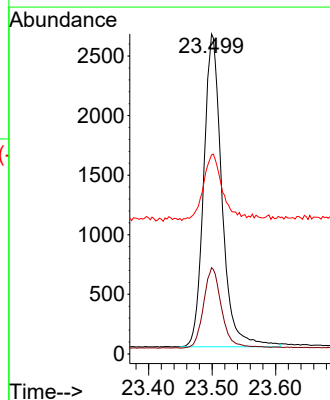
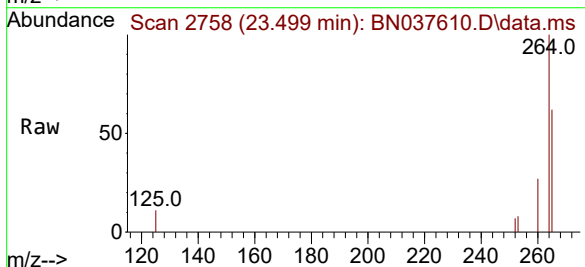
Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:149 Resp: 628
Ion Ratio Lower Upper
149 100
167 27.4 20.5 30.7
279 4.5 2.6 4.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.008 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:264 Resp: 5233
Ion Ratio Lower Upper
264 100
260 26.9 21.6 32.4
265 62.2 48.2 72.4



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FD	SDG No.:	Q2869
Lab Sample ID:	Q2869-05	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
BN037611.D	1	08/18/25 08:41	08/19/25 17:18	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (20) - 150 (139)	68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (54) - 150 (157)	89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	119%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2370	7.717			
1146-65-2	Naphthalene-d8	5770	10.498			
15067-26-2	Acenaphthene-d10	2950	14.345			
1517-22-2	Phenanthrene-d10	6120	17.086			
1719-03-5	Chrysene-d12	5270	21.268			
1520-96-3	Perylene-d12	4710	23.502			

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\BN081925\
 Data File : BN037611.D
 Acq On : 19 Aug 2025 17:18
 Operator : RC/JU
 Sample : Q2869-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

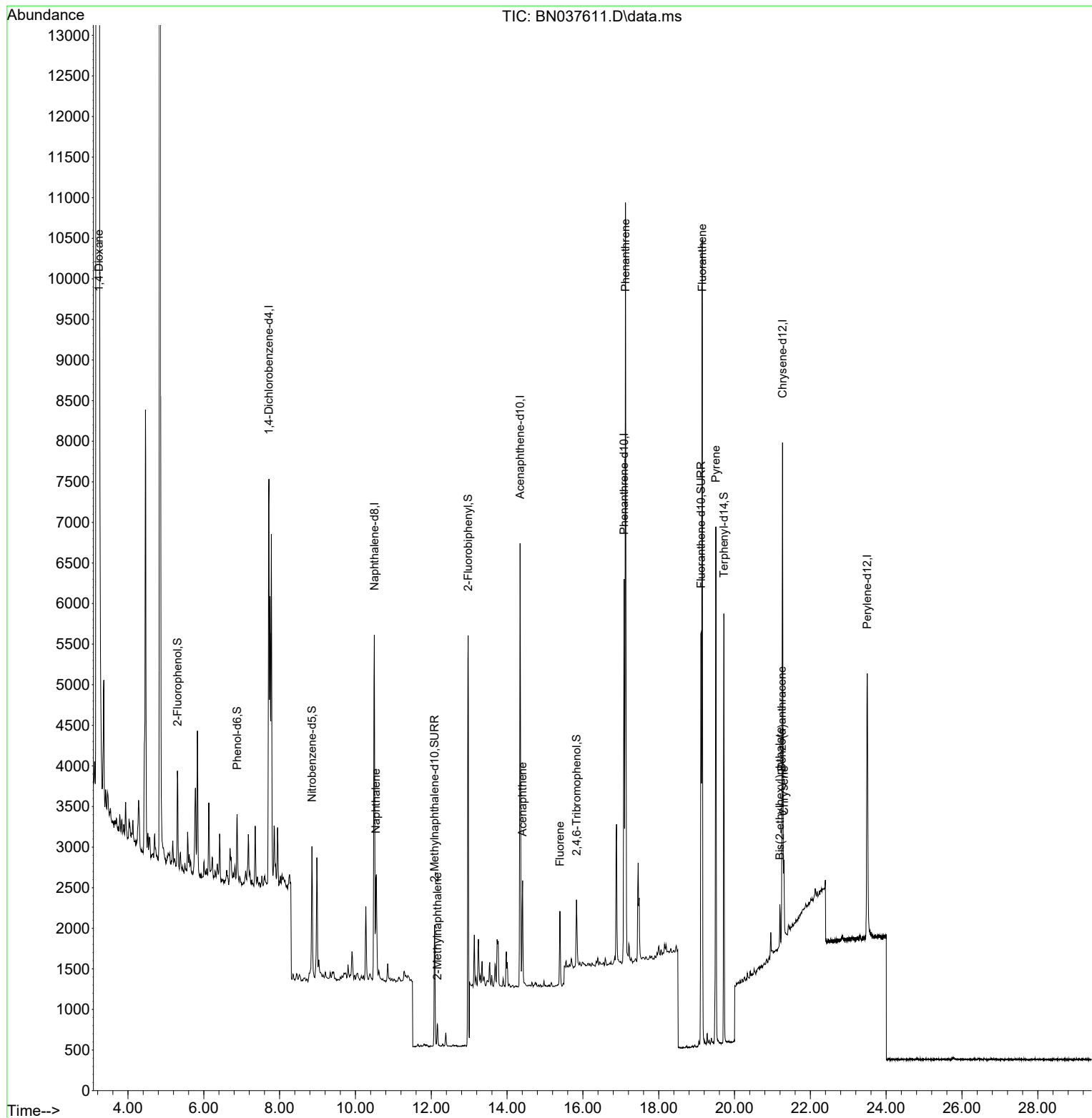
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2373	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5766	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2949	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	6117	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5268	0.400	ng	0.00
35) Perylene-d12	23.502	264	4705	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	795	0.148	ng	0.00
5) Phenol-d6	6.879	99	552	0.085	ng	0.00
8) Nitrobenzene-d5	8.854	82	1252	0.308	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2115	0.270	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	474	0.367	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	6190	0.363	ng	0.00
27) Fluoranthene-d10	19.118	212	5749	0.357	ng	0.00
31) Terphenyl-d14	19.722	244	5180	0.478	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.232	88	10850	4.779	ng	97
9) Naphthalene	10.541	128	1441	0.094	ng	# 90
12) 2-Methylnaphthalene	12.161	142	213	0.022	ng	# 83
17) Acenaphthene	14.409	154	610	0.068	ng	98
18) Fluorene	15.392	166	600	0.051	ng	99
25) Phenanthrene	17.124	178	9312	0.501	ng	99
28) Fluoranthene	19.146	202	8713	0.408	ng	100
30) Pyrene	19.508	202	5864	0.298	ng	# 94
32) Benzo(a)anthracene	21.250	228	641	0.036	ng	# 84
33) Chrysene	21.304	228	991	0.051	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.196	149	511	0.070	ng	# 94

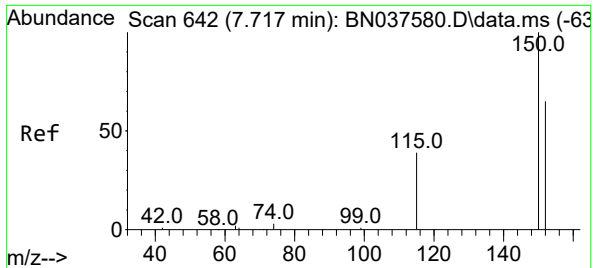
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037611.D
Acq On : 19 Aug 2025 17:18
Operator : RC/JU
Sample : Q2869-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

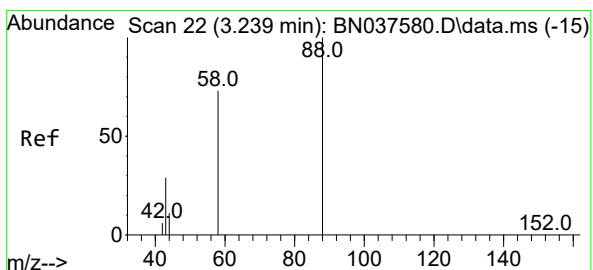
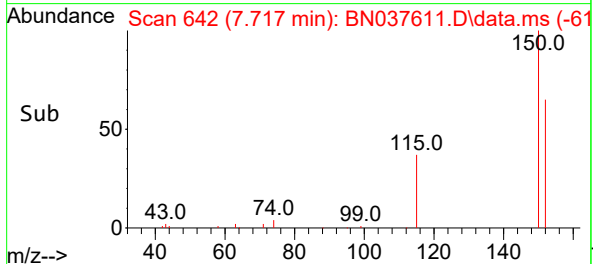
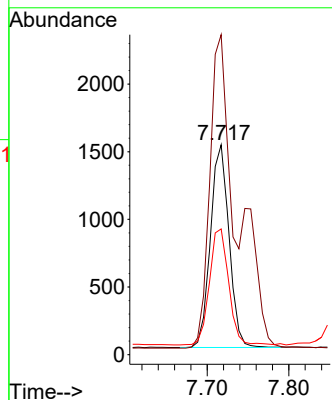
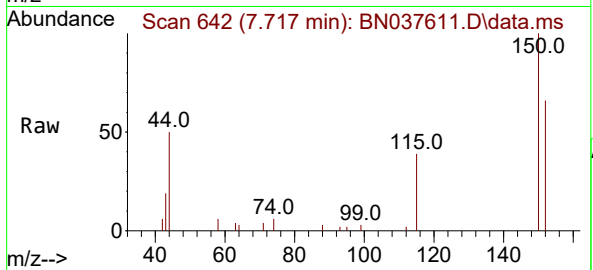




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

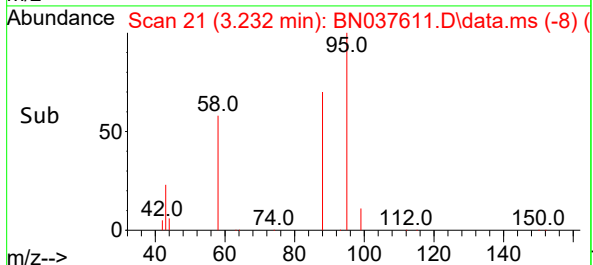
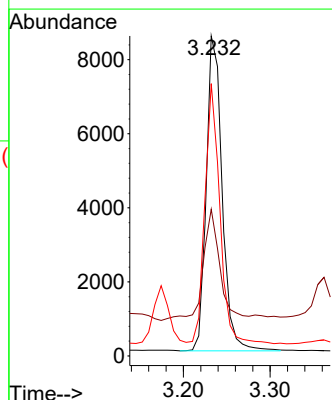
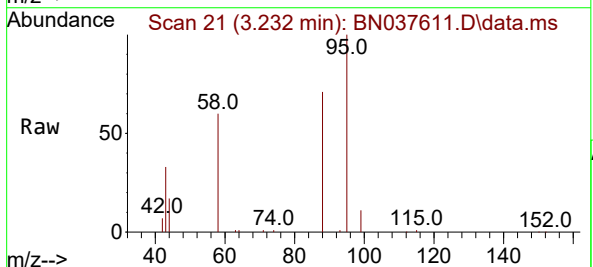
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:152 Resp: 2373
Ion Ratio Lower Upper
152 100
150 152.4 122.2 183.4
115 59.9 49.8 74.6

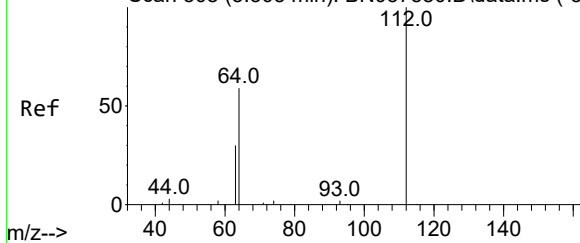


#2
1,4-Dioxane
Concen: 4.779 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion: 88 Resp: 10850
Ion Ratio Lower Upper
88 100
43 37.3 25.8 38.6
58 77.1 61.2 91.8



Abundance Scan 308 (5.305 min): BN037580.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.148 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

Tgt Ion:112 Resp: 795

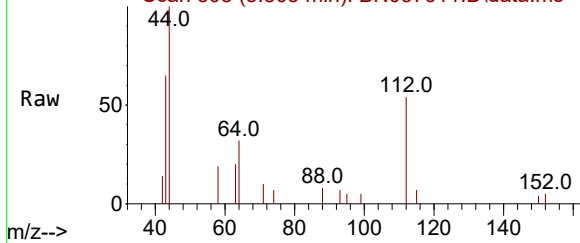
Ion Ratio Lower Upper

112 100

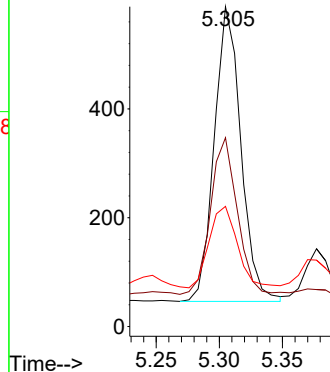
64 53.7 44.9 67.3

63 29.8 23.4 35.2

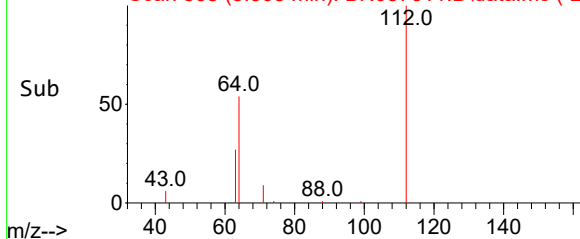
Abundance Scan 308 (5.305 min): BN037611.D\data.ms



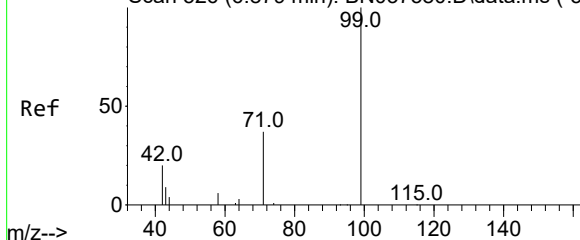
Abundance



Abundance Scan 308 (5.305 min): BN037611.D\data.ms (-28



Abundance Scan 526 (6.879 min): BN037580.D\data.ms (-51



#5

Phenol-d6

Concen: 0.085 ng

RT: 6.879 min Scan# 526

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Tgt Ion: 99 Resp: 552

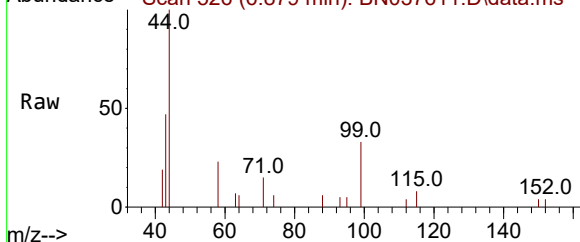
Ion Ratio Lower Upper

99 100

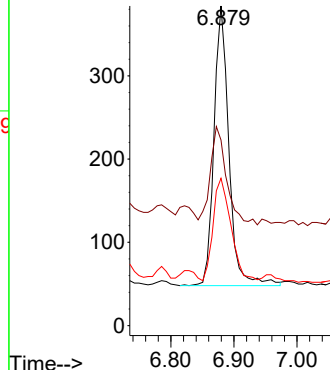
42 38.4 18.5 27.7#

71 43.7 28.6 42.8#

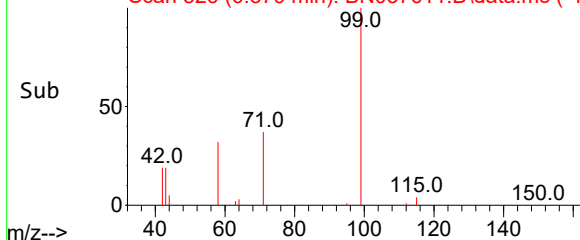
Abundance Scan 526 (6.879 min): BN037611.D\data.ms

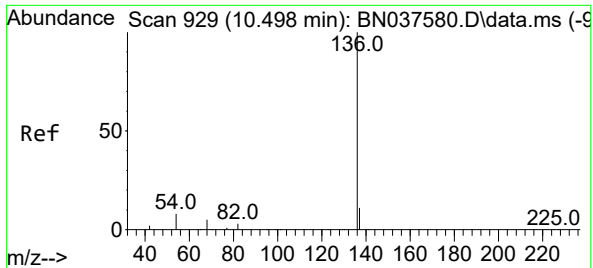


Abundance



Abundance Scan 526 (6.879 min): BN037611.D\data.ms (-49

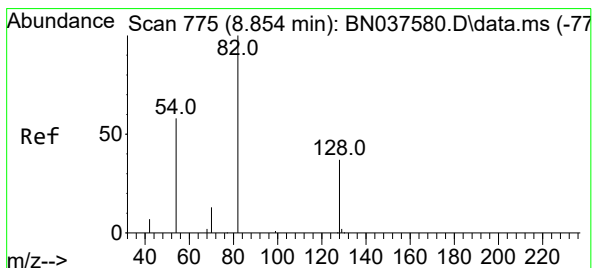
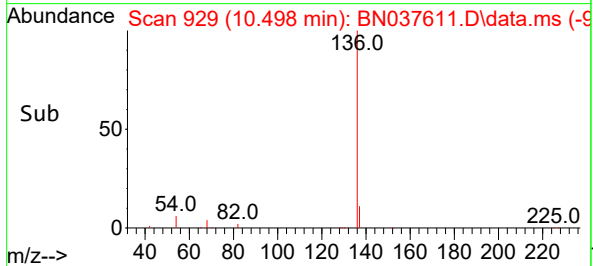
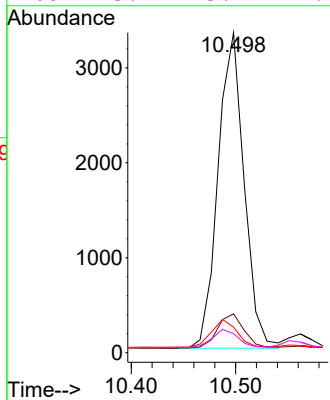
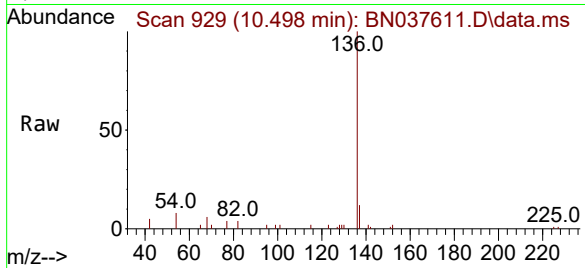




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

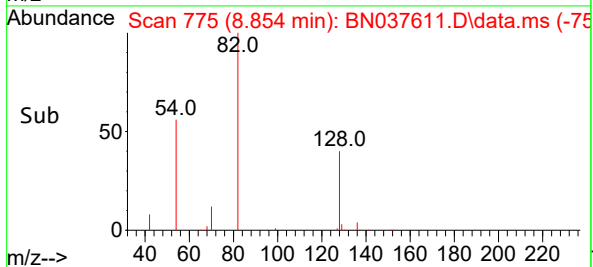
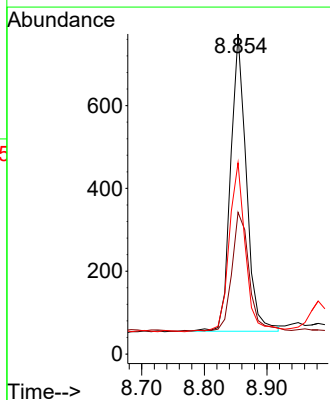
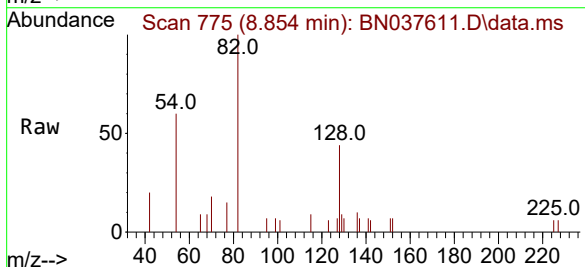
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

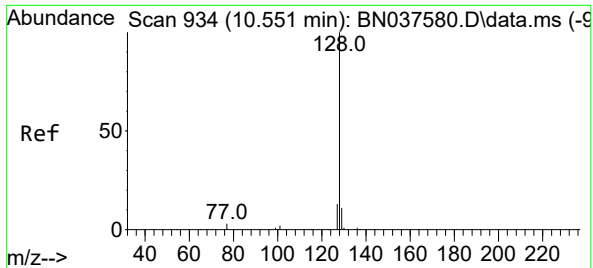
Tgt Ion:	136	Resp:	5766
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	5.9	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:	82	Resp:	1252
Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.6	48.8
54	59.8	48.9	73.3

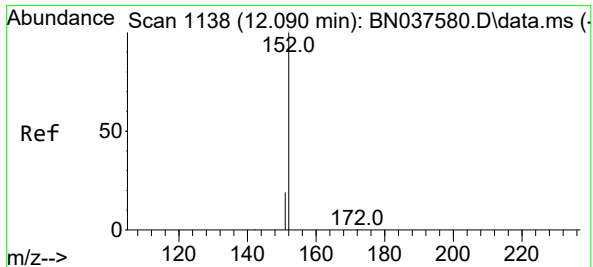
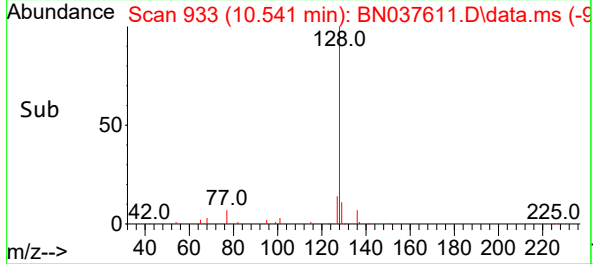
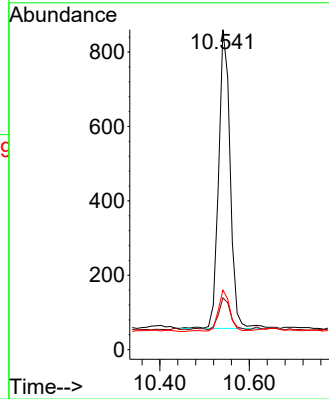
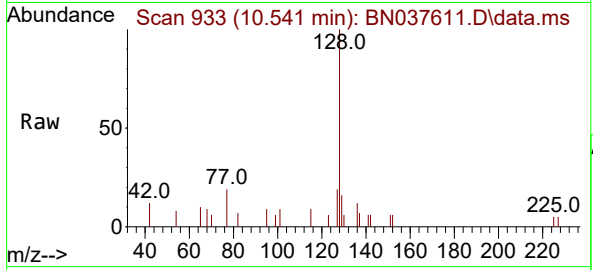




#9
Naphthalene
Concen: 0.094 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

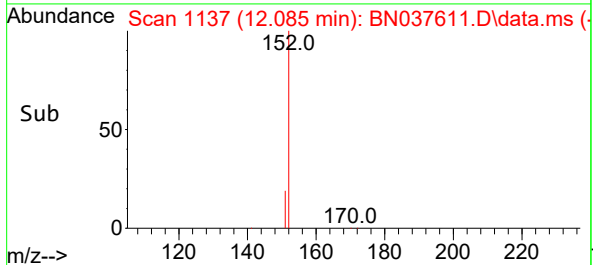
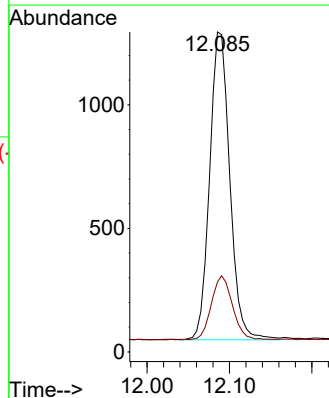
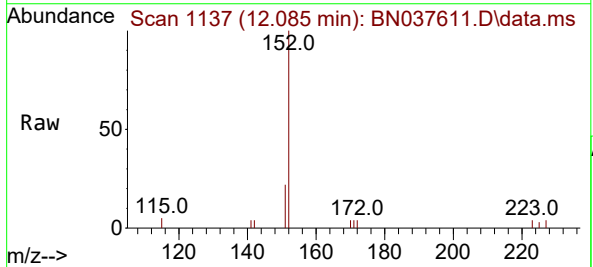
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

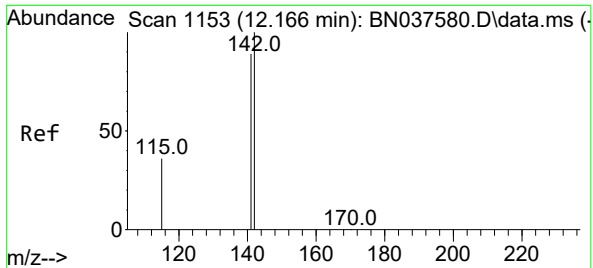
Tgt Ion:128 Resp: 1441
Ion Ratio Lower Upper
128 100
129 16.2 9.8 14.6#
127 18.6 11.5 17.3#



#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:152 Resp: 2115
Ion Ratio Lower Upper
152 100
151 21.9 17.3 25.9





#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.161 min Scan# 1152

Delta R.T. -0.005 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

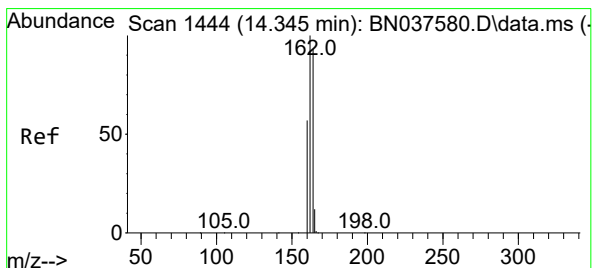
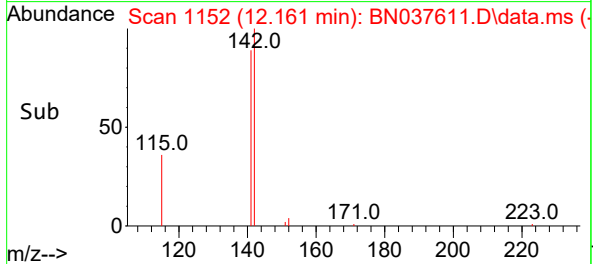
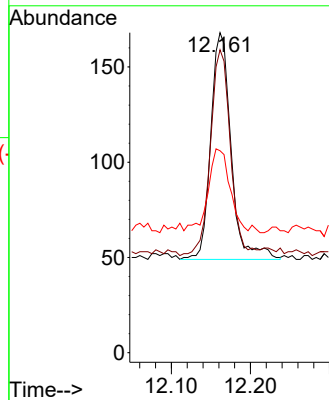
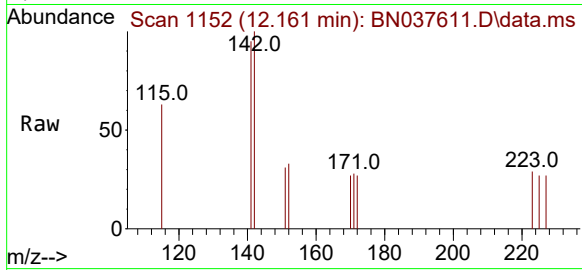
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

141 94.6 71.4 107.0

115 63.1 30.2 45.4#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.345 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

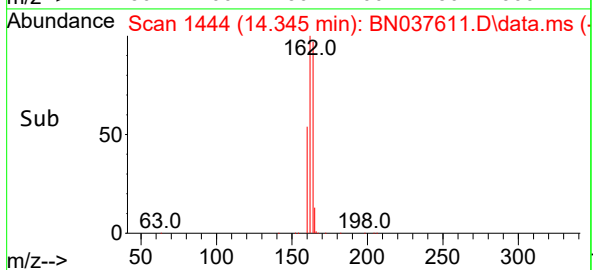
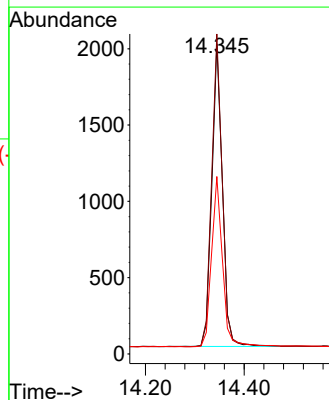
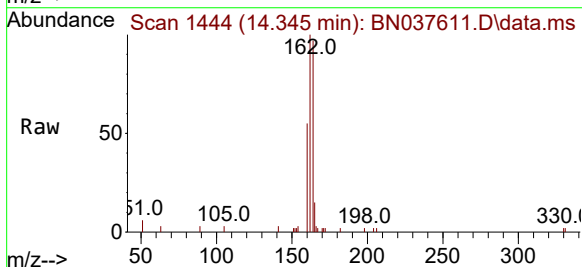
Tgt Ion:164 Resp: 2949

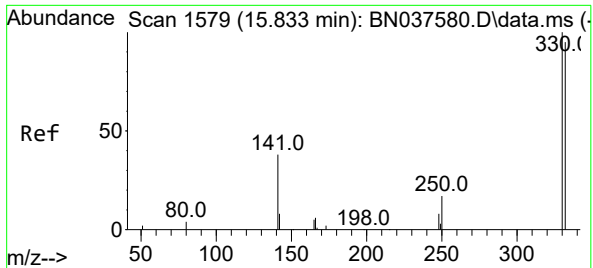
Ion Ratio Lower Upper

164 100

162 103.1 85.5 128.3

160 57.2 49.5 74.3

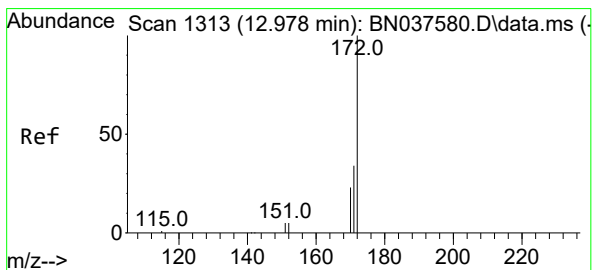
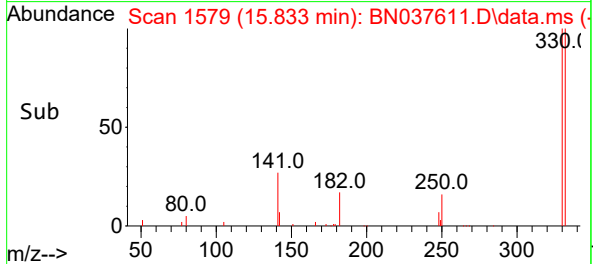
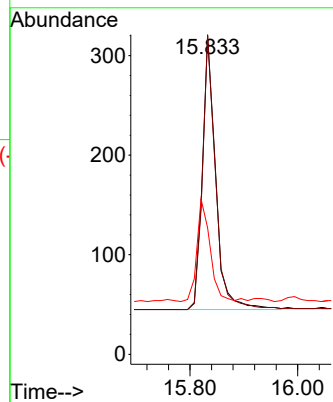
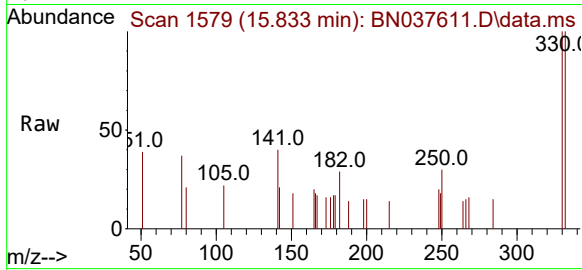




#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

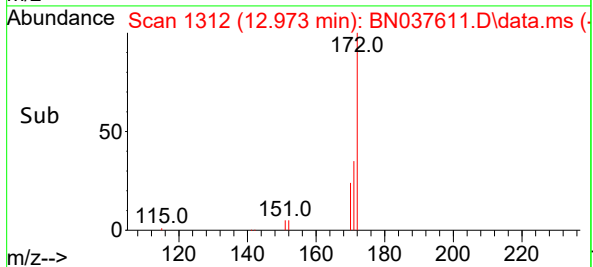
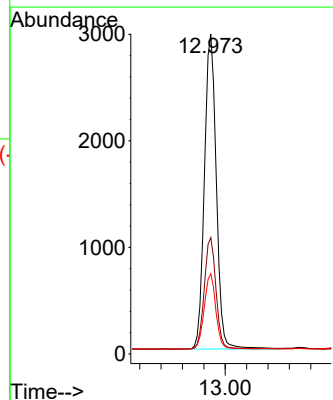
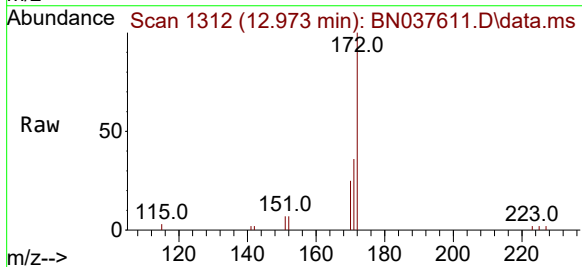
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

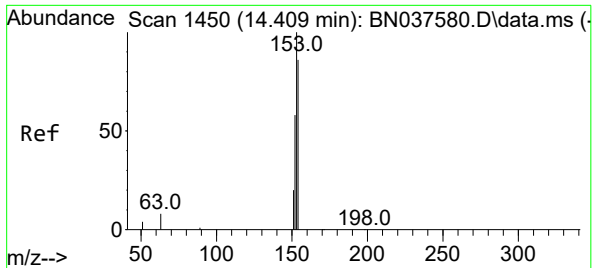
Tgt Ion:330 Resp: 474
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 36.9 30.9 46.3



#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:172 Resp: 6190
Ion Ratio Lower Upper
172 100
171 36.4 28.2 42.4
170 25.1 19.2 28.8

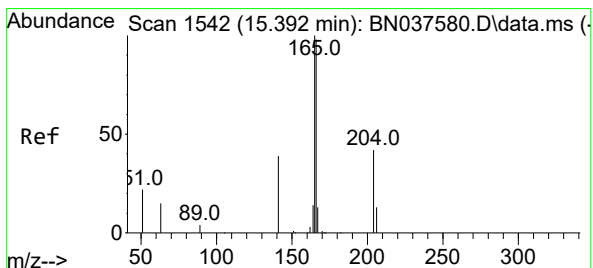
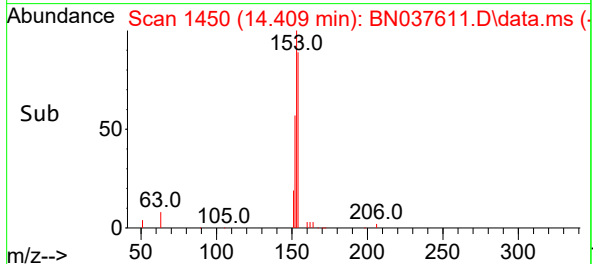
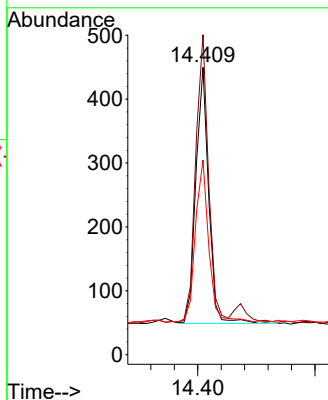
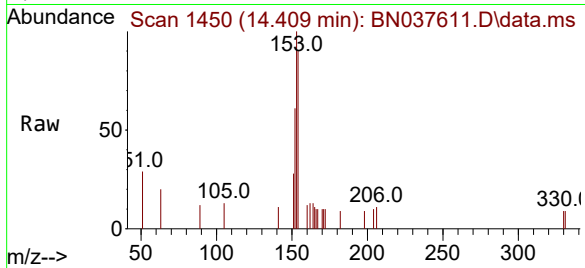




#17
Acenaphthene
Concen: 0.068 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

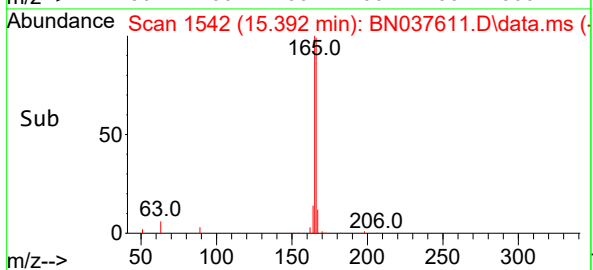
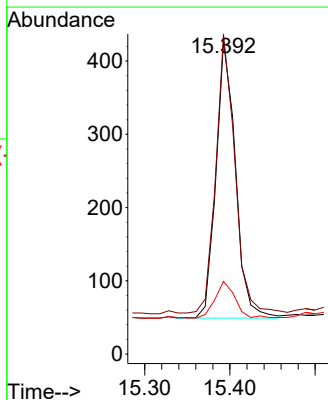
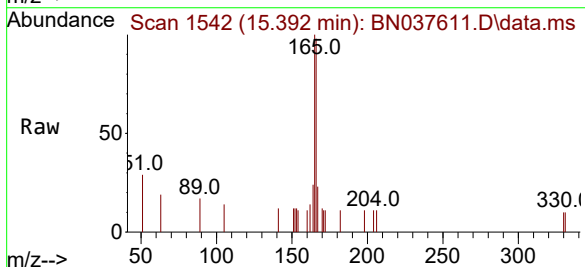
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

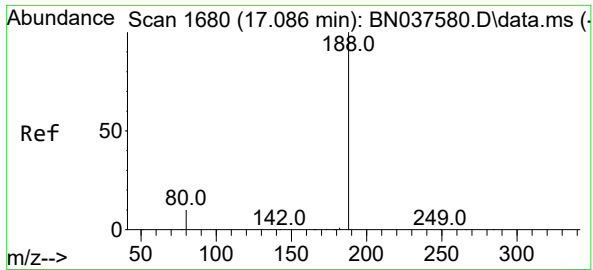
Tgt Ion	154	Resp:	610
Ion Ratio	Lower	Upper	
154	100		
153	112.1	90.6	135.8
152	65.4	54.9	82.3



#18
Fluorene
Concen: 0.051 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion	166	Resp:	600
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.9	118.3
167	13.8	10.7	16.1

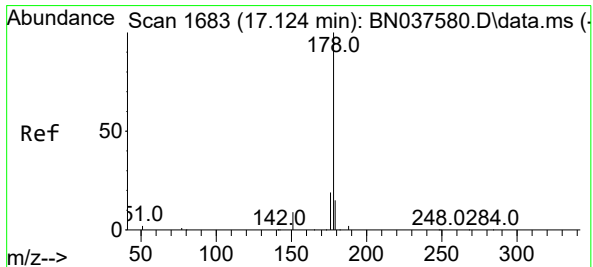
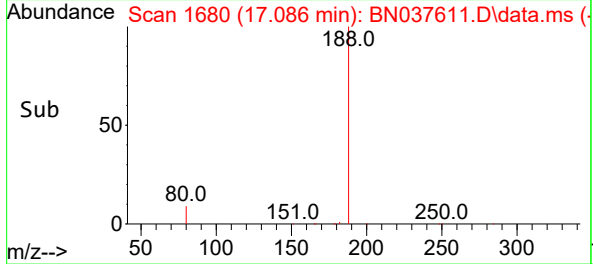
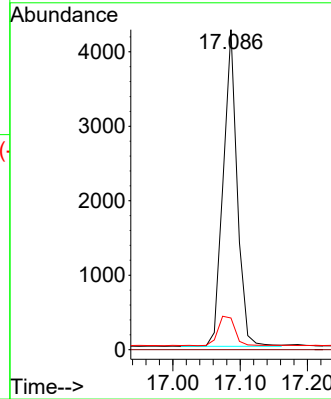
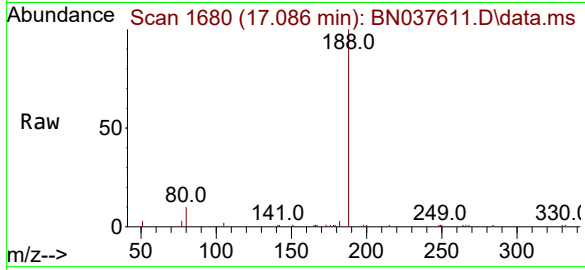




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

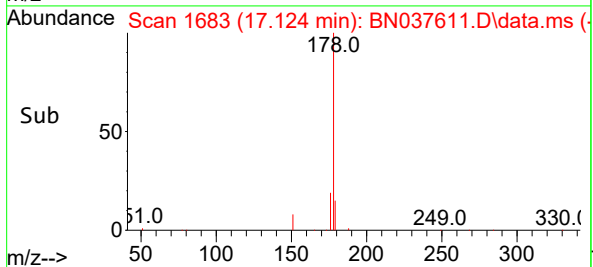
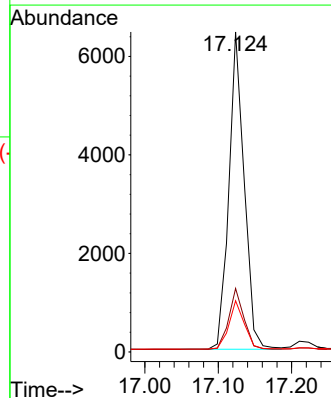
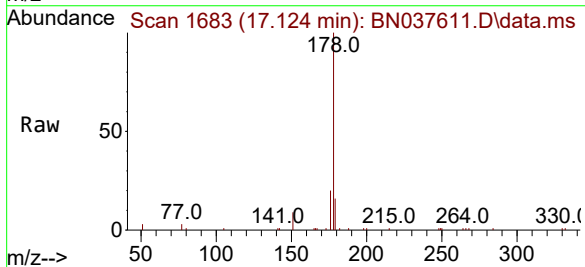
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

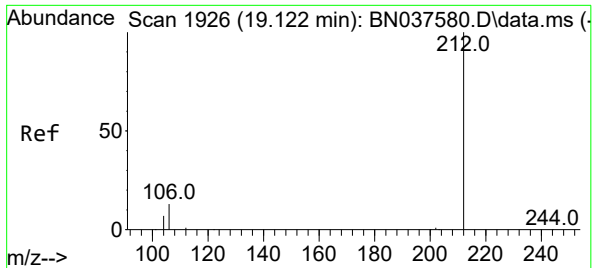
Tgt Ion:188 Resp: 6117
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 9.1 13.7



#25
Phenanthrene
Concen: 0.501 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:178 Resp: 9312
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.5 12.3 18.5

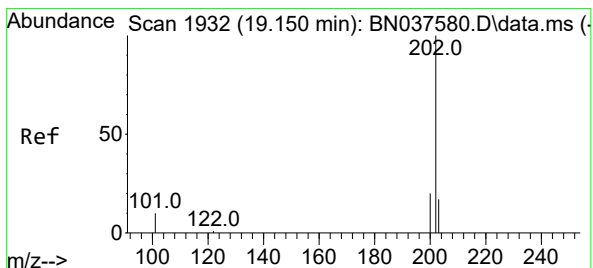
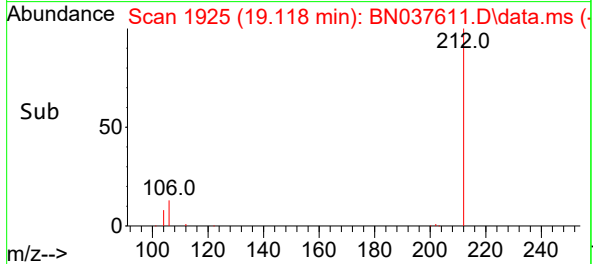
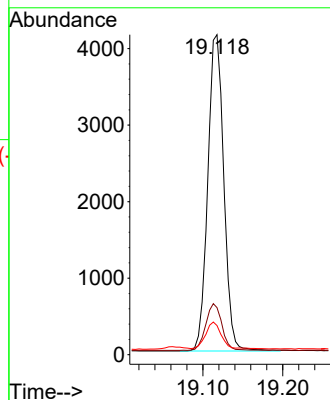
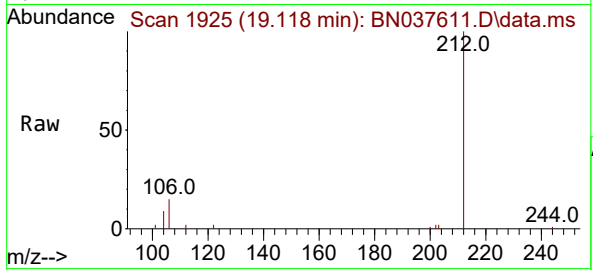




#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

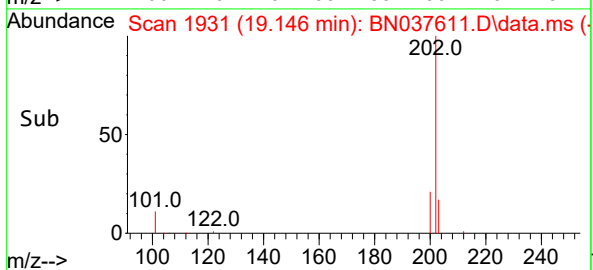
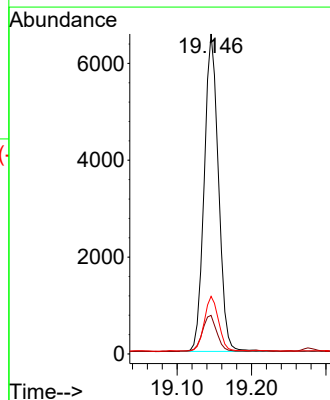
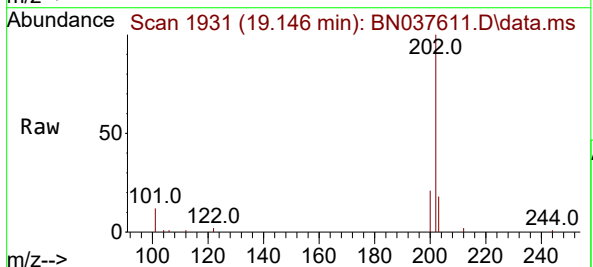
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

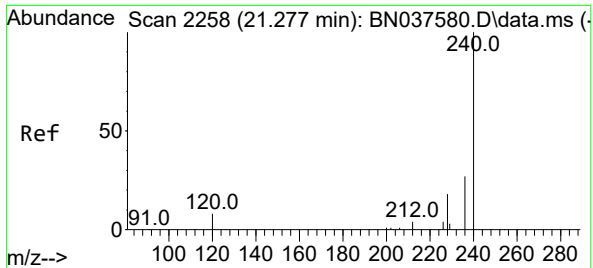
Tgt Ion:212 Resp: 5749
Ion Ratio Lower Upper
212 100
106 14.8 11.5 17.3
104 8.6 6.6 9.8



#28
Fluoranthene
Concen: 0.408 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:202 Resp: 8713
Ion Ratio Lower Upper
202 100
101 11.4 9.0 13.6
203 17.1 13.8 20.8

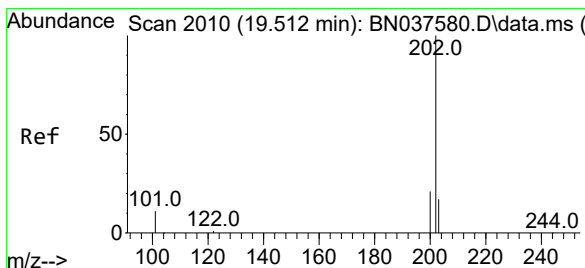
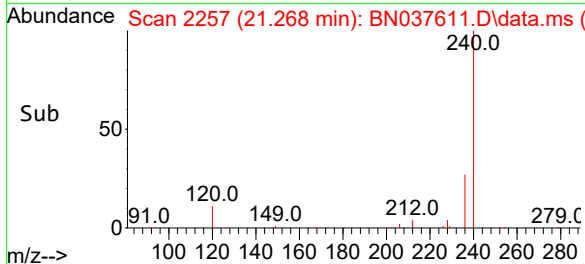
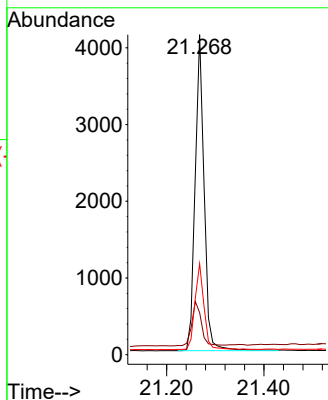
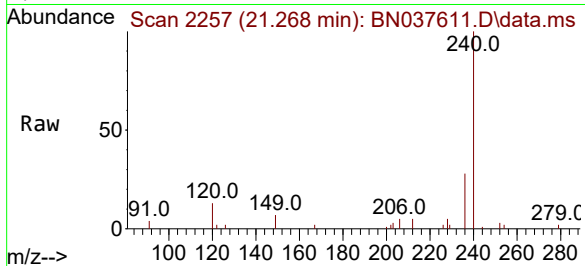




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

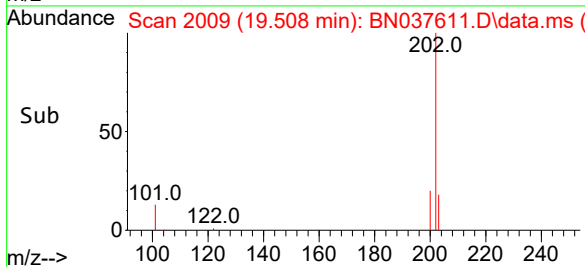
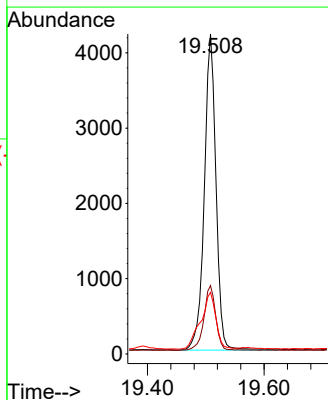
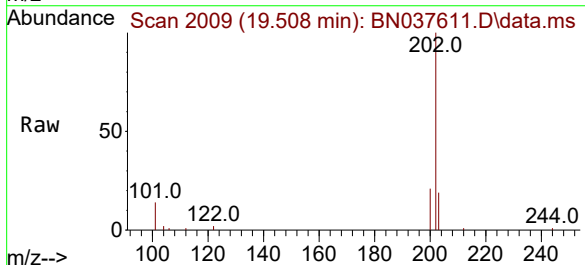
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

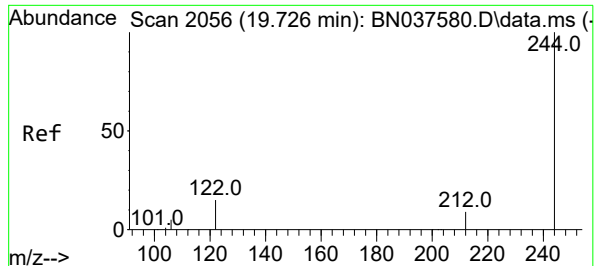
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.9	13.3
236	28.5	22.6	33.8



#30
Pyrene
Concen: 0.298 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	23.2	14.3	21.5

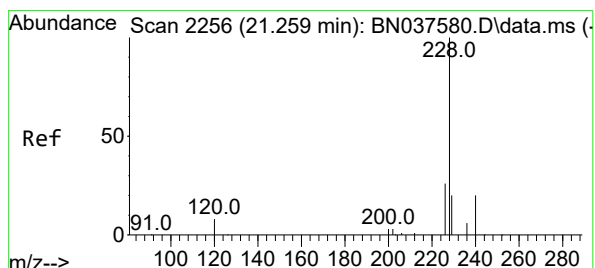
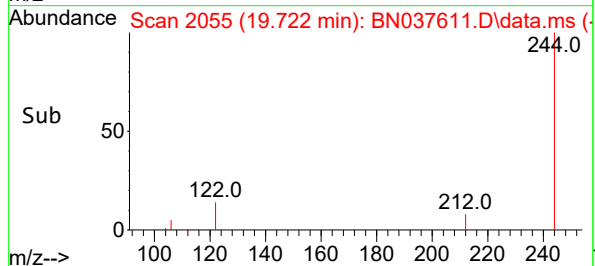
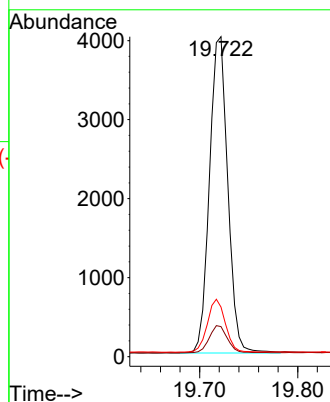
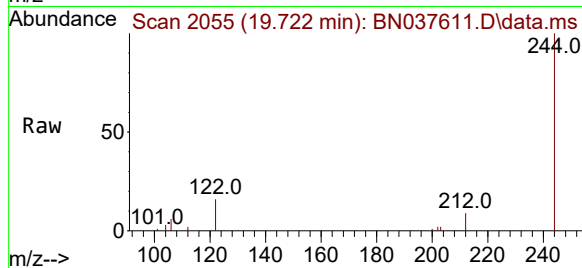




#31
Terphenyl-d14
Concen: 0.478 ng
RT: 19.722 min Scan# 2056
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

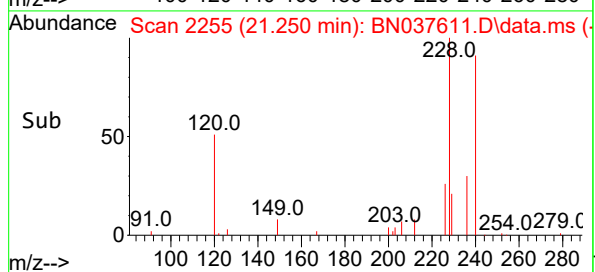
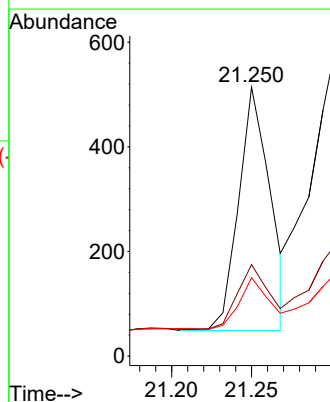
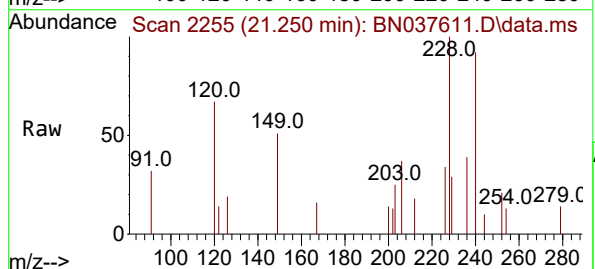
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

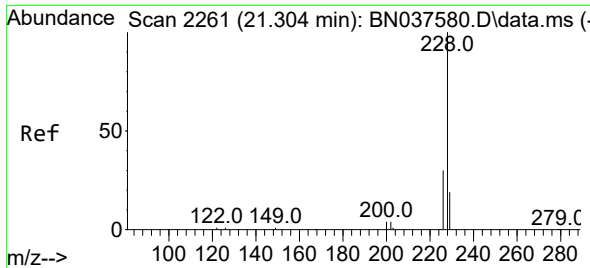
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.2	12.2
122	15.5	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.036 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	21.5	32.3#
229	29.2	16.5	24.7#





#33

Chrysene

Concen: 0.051 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037611.D

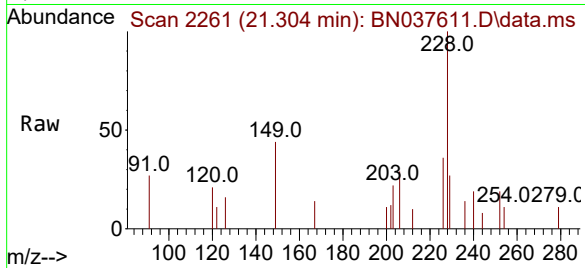
Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD



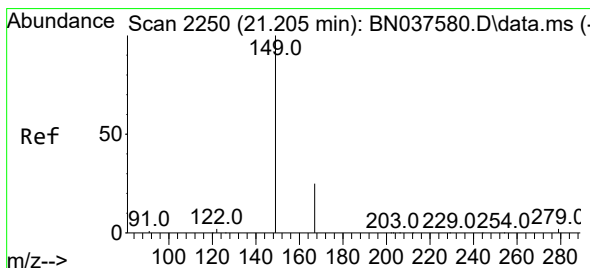
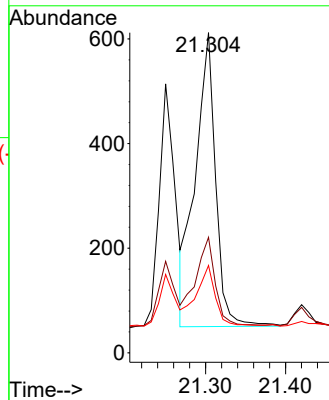
Tgt Ion:228 Resp: 991

Ion Ratio Lower Upper

228 100

226 36.1 24.9 37.3

229 27.3 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

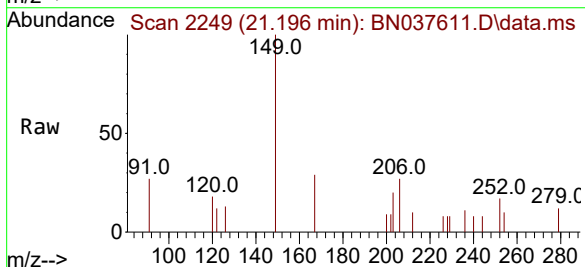
Concen: 0.070 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18



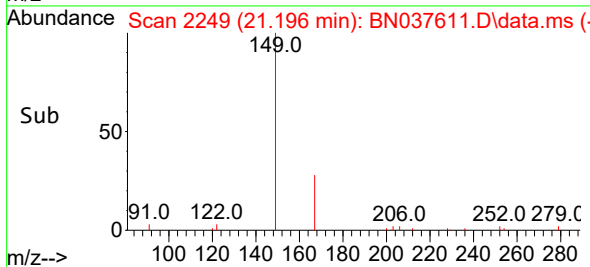
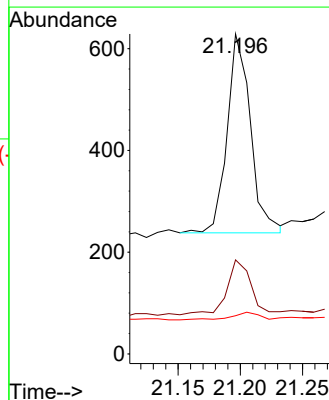
Tgt Ion:149 Resp: 511

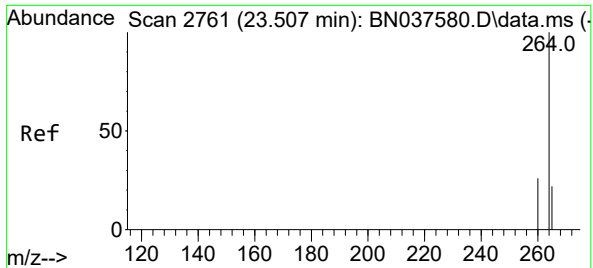
Ion Ratio Lower Upper

149 100

167 28.6 20.5 30.7

279 4.7 2.6 4.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037611.D

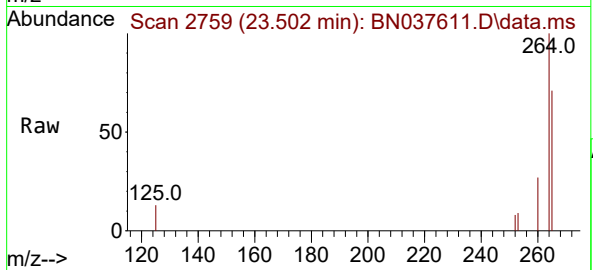
Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD



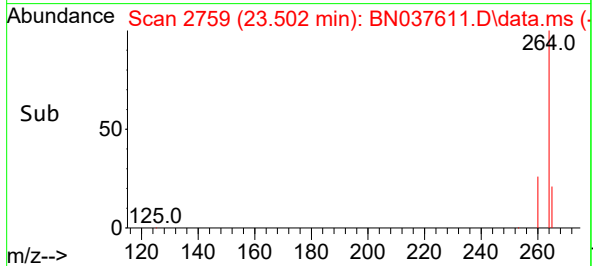
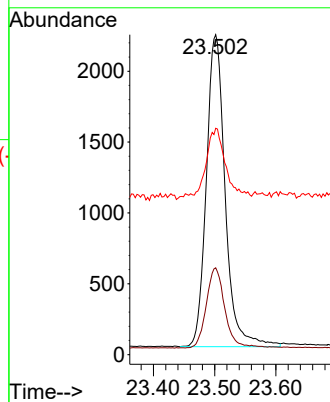
Tgt Ion:264 Resp: 4705

Ion	Ratio	Lower	Upper

264	100		

260	27.1	21.6	32.4

265	70.7	48.2	72.4



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	940 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
BN037612.D	1	08/18/25 08:41	08/19/25 17:54	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (54) - 150 (157)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		30 (30) - 130 (155)	97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	123%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2240	7.717			
1146-65-2	Naphthalene-d8	5420	10.498			
15067-26-2	Acenaphthene-d10	2770	14.345			
1517-22-2	Phenanthrene-d10	5600	17.086			
1719-03-5	Chrysene-d12	4810	21.268			
1520-96-3	Perylene-d12	4480	23.502			

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\BN081925\
 Data File : BN037612.D
 Acq On : 19 Aug 2025 17:54
 Operator : RC/JU
 Sample : Q2869-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-081325

Quant Time: Aug 20 01:28:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

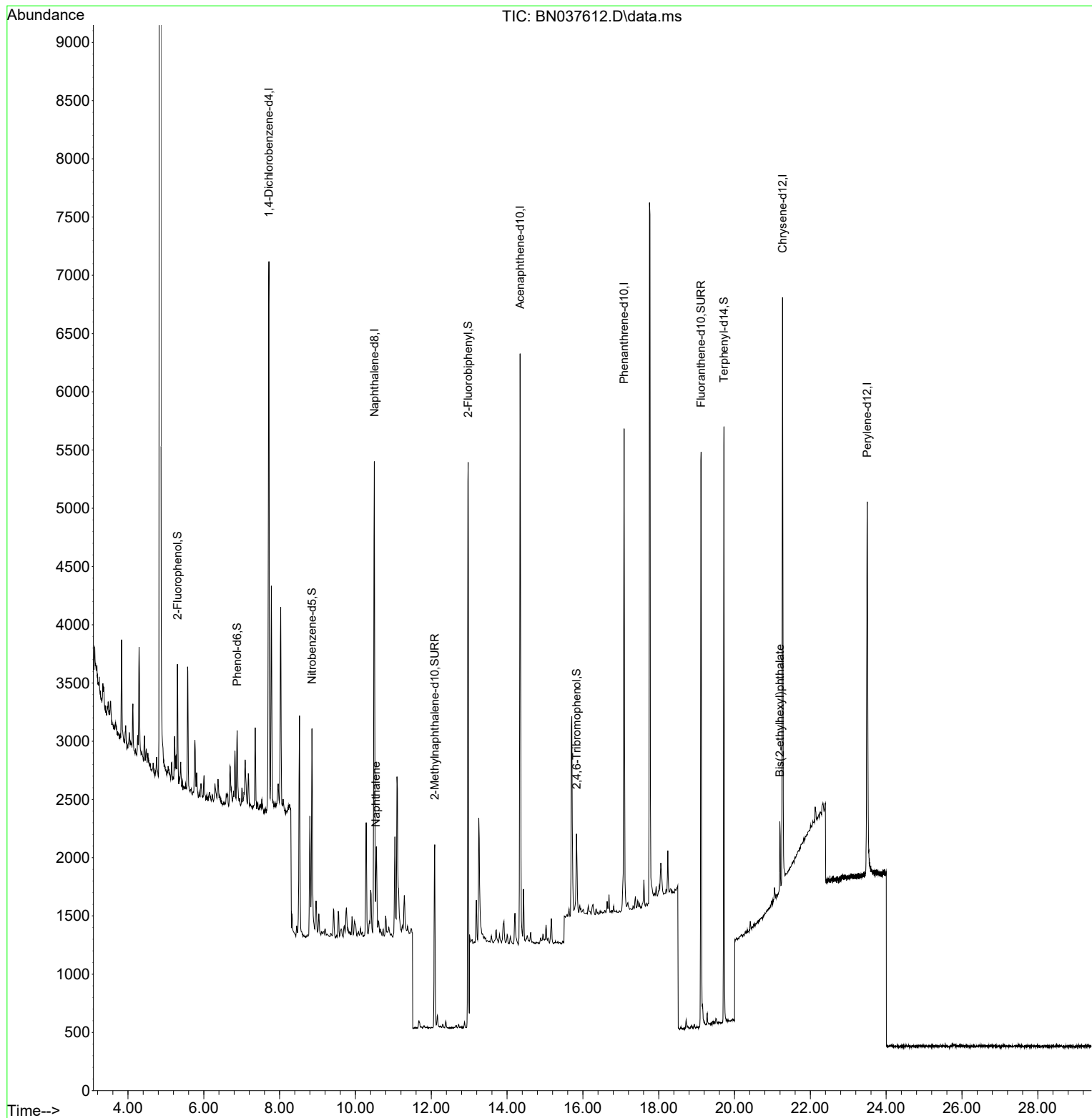
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2243	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5421	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2768	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5604	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4806	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	4479	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	763	0.150	ng	0.00
5) Phenol-d6	6.879	99	559	0.091	ng	0.00
8) Nitrobenzene-d5	8.854	82	1354	0.355	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	2242	0.304	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	427	0.352	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	6231	0.389	ng	0.00
27) Fluoranthene-d10	19.118	212	5735	0.389	ng	0.00
31) Terphenyl-d14	19.722	244	4846	0.490	ng	0.00
Target Compounds						
9) Naphthalene	10.541	128	328	0.023	ng	# 55
34) Bis(2-ethylhexyl)phtha...	21.196	149	615	0.093	ng	# 98

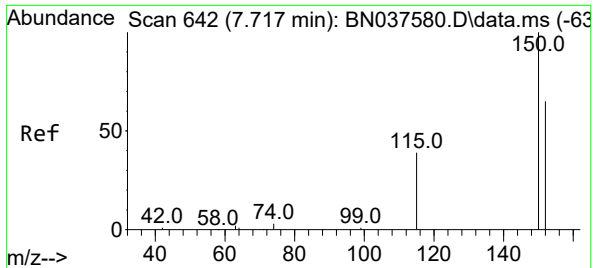
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037612.D
Acq On : 19 Aug 2025 17:54
Operator : RC/JU
Sample : Q2869-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Quant Time: Aug 20 01:28:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

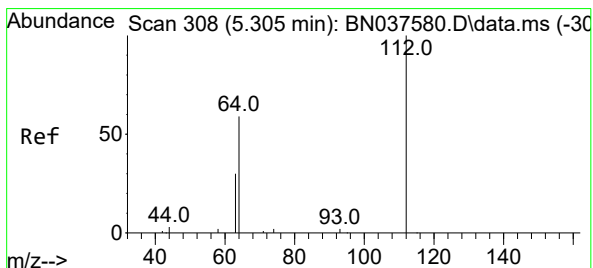
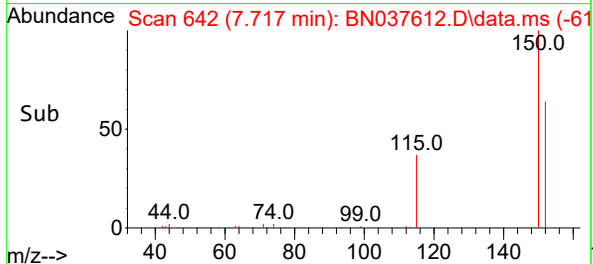
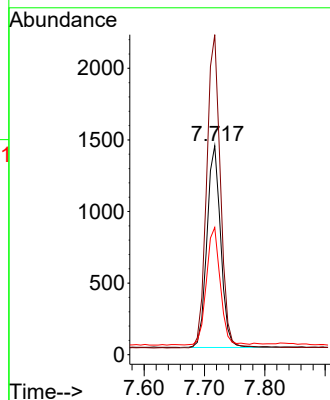
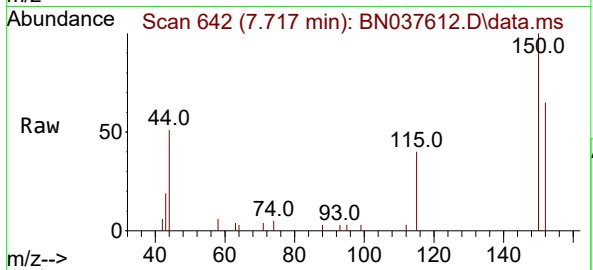




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 642
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

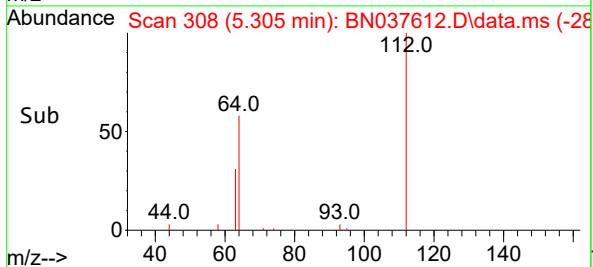
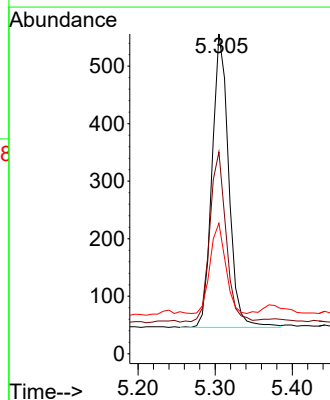
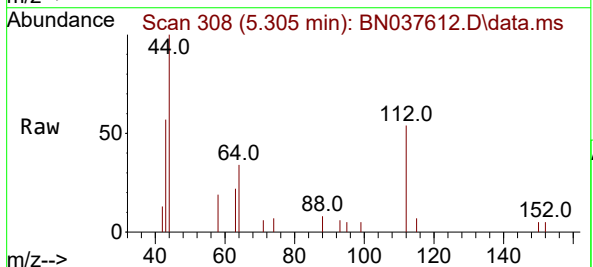
Instrument :
BNA_N
ClientSampleId :
EB01-081325

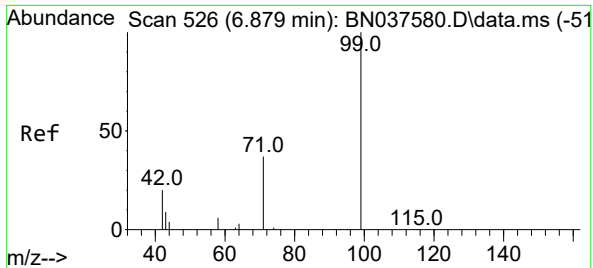
Tgt Ion:152 Resp: 2243
Ion Ratio Lower Upper
152 100
150 153.2 122.2 183.4
115 60.9 49.8 74.6



#4
2-Fluorophenol
Concen: 0.150 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:112 Resp: 763
Ion Ratio Lower Upper
112 100
64 56.7 44.9 67.3
63 29.5 23.4 35.2

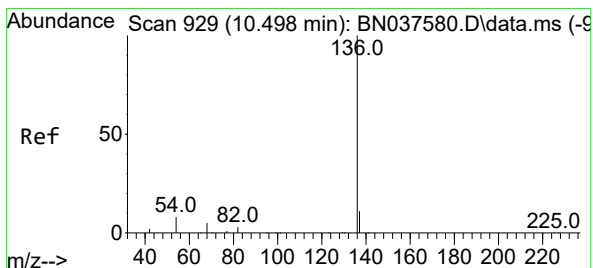
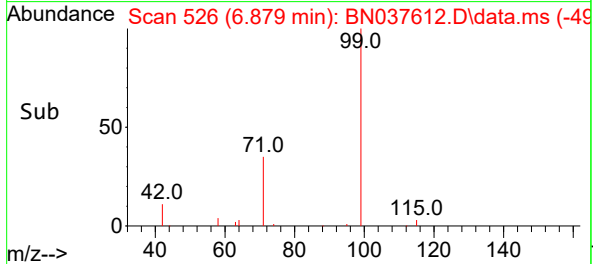
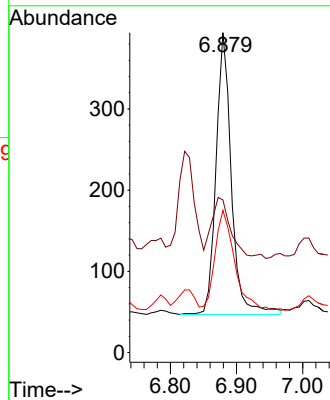
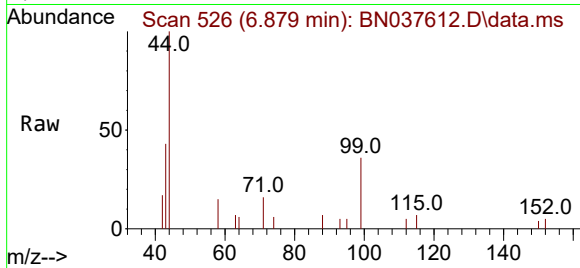




#5
Phenol-d6
Concen: 0.091 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

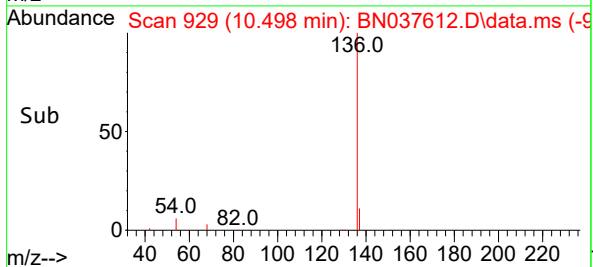
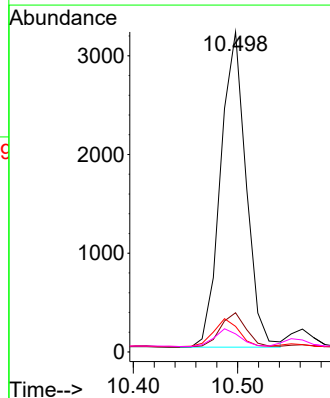
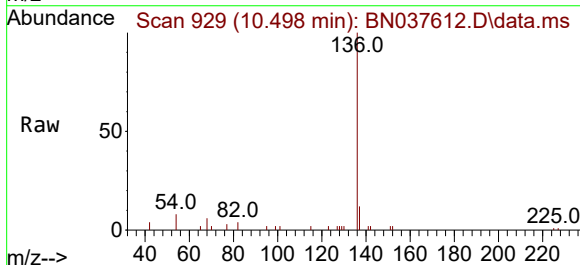
Instrument :
BNA_N
ClientSampleId :
EB01-081325

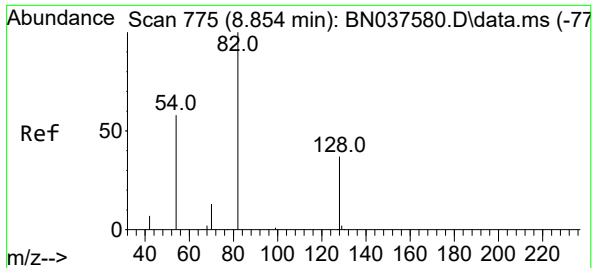
Tgt Ion	Ratio	Lower	Upper
99	100		
42	24.2	18.5	27.7
71	45.4	28.6	42.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	5.7	5.1	7.7

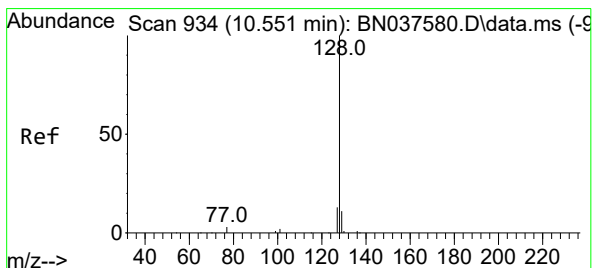
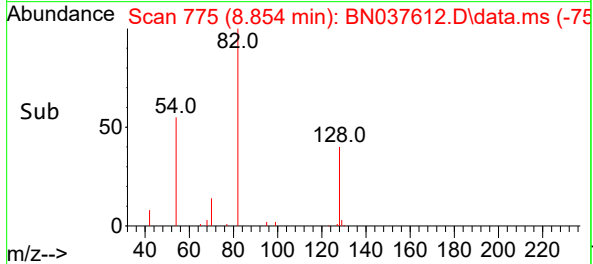
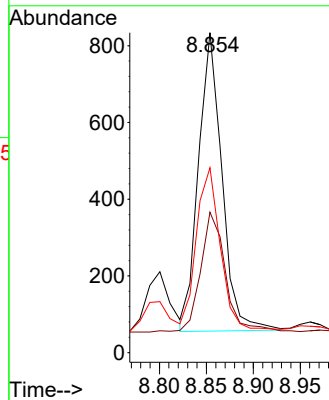
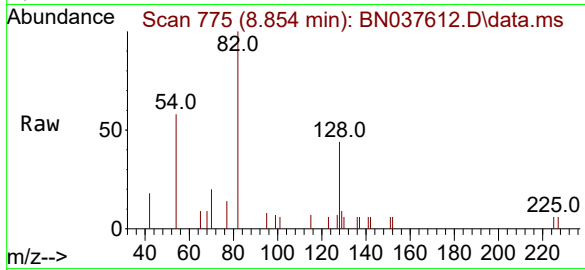




#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

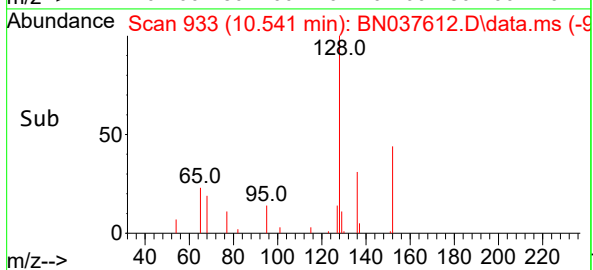
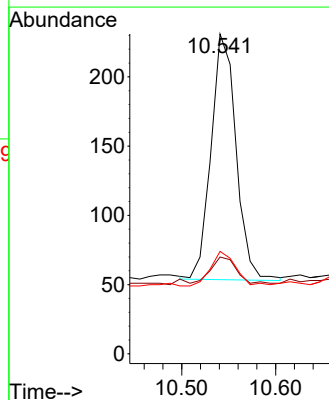
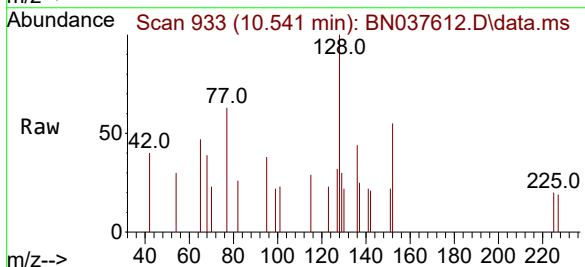
Instrument :
BNA_N
ClientSampleId :
EB01-081325

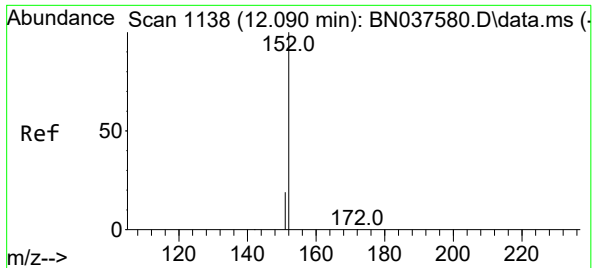
Tgt Ion: 82 Resp: 1354
Ion Ratio Lower Upper
82 100
128 43.9 32.6 48.8
54 57.8 48.9 73.3



#9
Naphthalene
Concen: 0.023 ng
RT: 10.541 min Scan# 933
Delta R.T. -0.011 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion: 128 Resp: 328
Ion Ratio Lower Upper
128 100
129 30.3 9.8 14.6#
127 32.0 11.5 17.3#

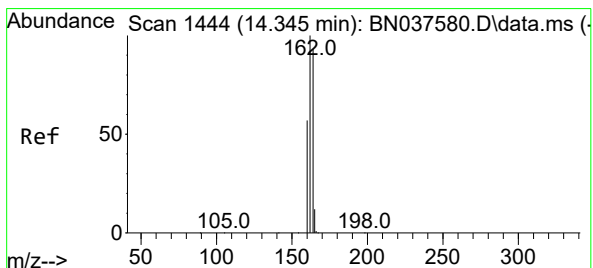
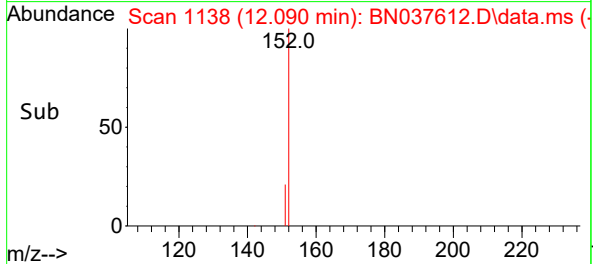
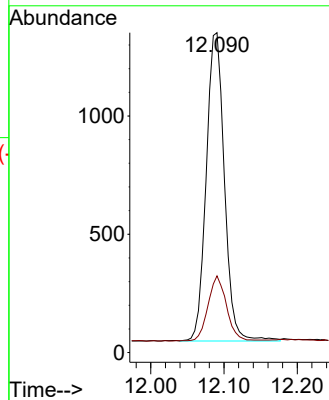
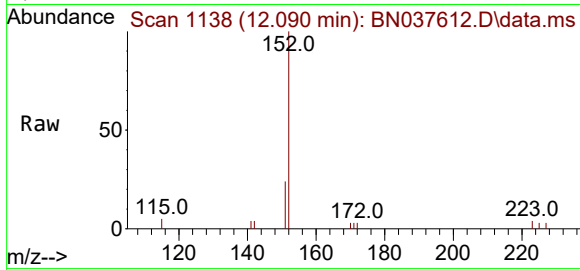




#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

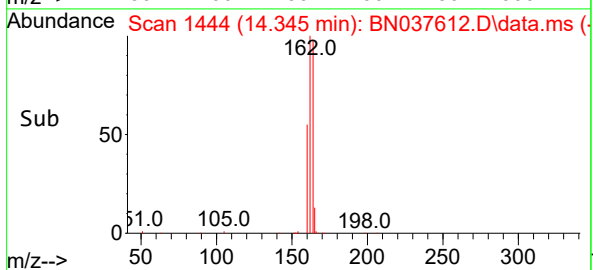
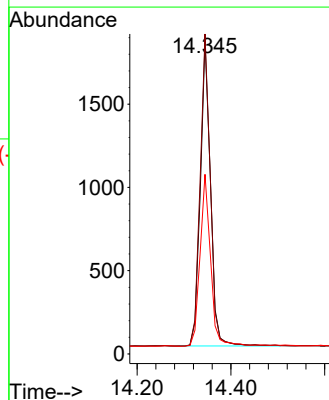
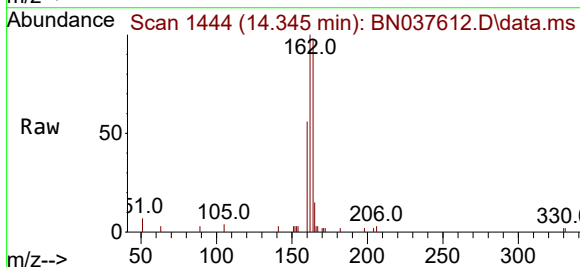
Instrument :
BNA_N
ClientSampleId :
EB01-081325

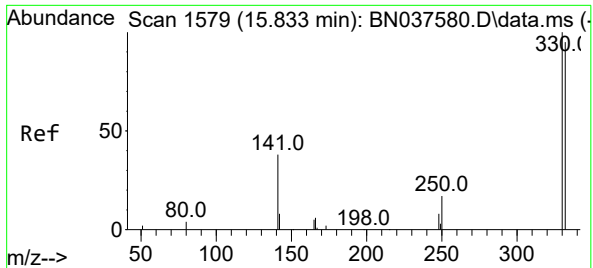
Tgt Ion:152 Resp: 2242
Ion Ratio Lower Upper
152 100
151 21.6 17.3 25.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:164 Resp: 2768
Ion Ratio Lower Upper
164 100
162 102.0 85.5 128.3
160 57.3 49.5 74.3

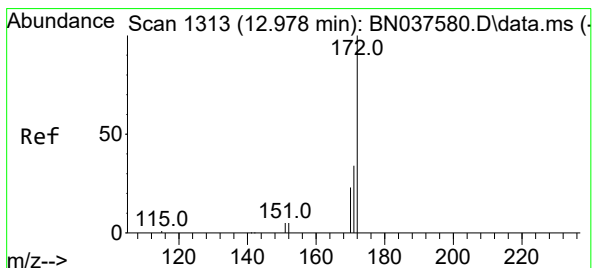
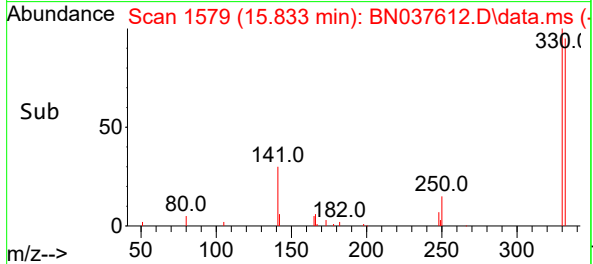
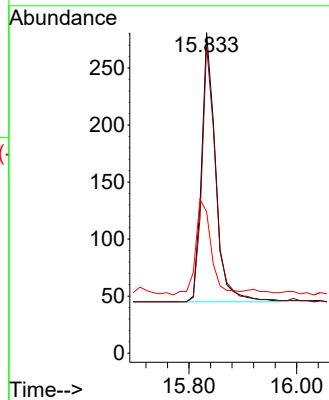
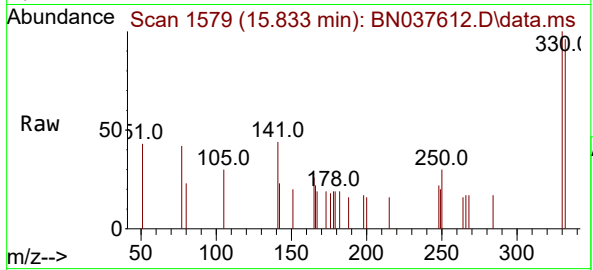




#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

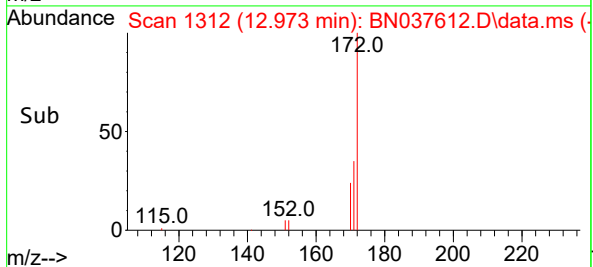
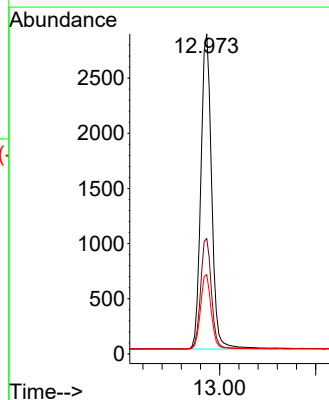
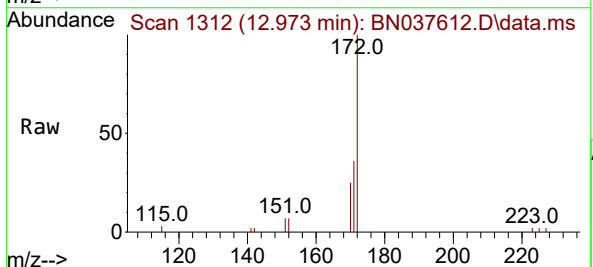
Instrument :
BNA_N
ClientSampleId :
EB01-081325

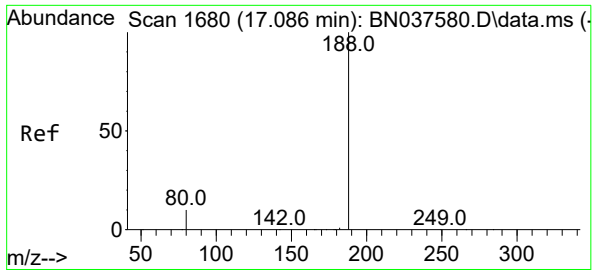
Tgt Ion:330 Resp: 427
Ion Ratio Lower Upper
330 100
332 95.3 77.4 116.0
141 40.0 30.9 46.3



#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:172 Resp: 6231
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.4
170 24.8 19.2 28.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

Instrument :

BNA_N

ClientSampleId :

EB01-081325

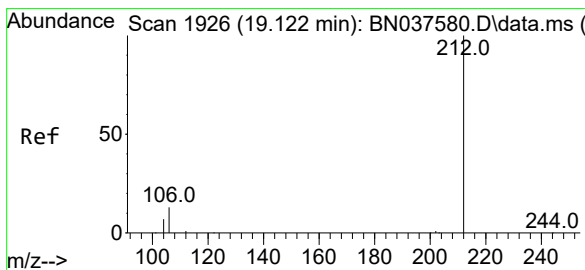
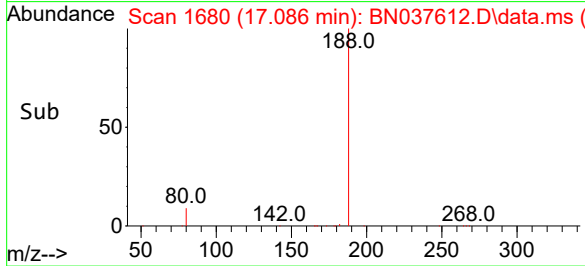
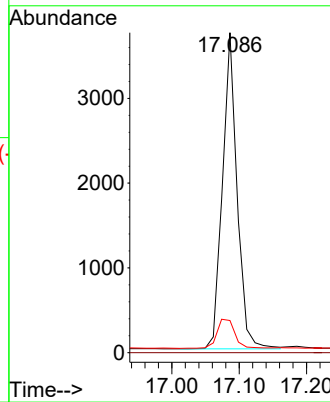
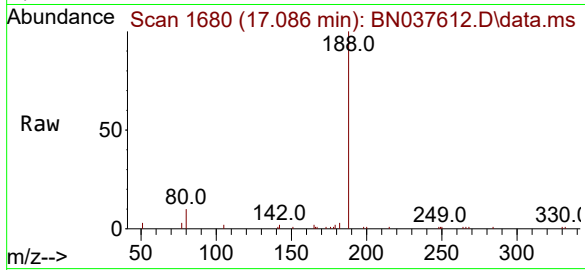
Tgt Ion:188 Resp: 5604

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 9.1 13.7



#27

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

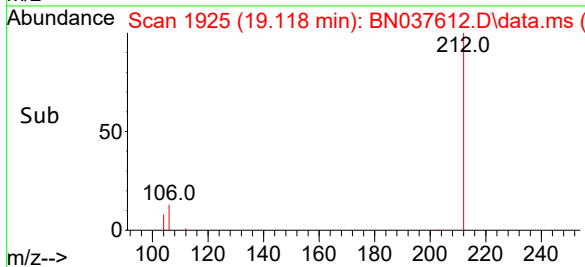
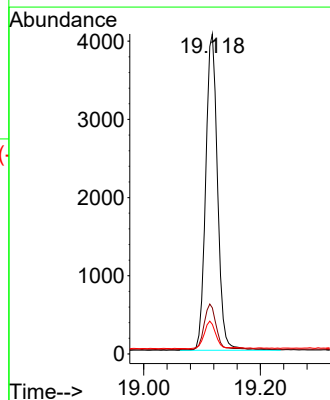
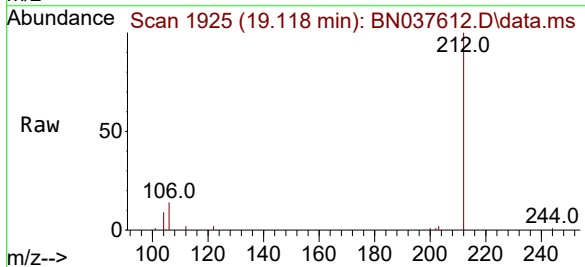
Tgt Ion:212 Resp: 5735

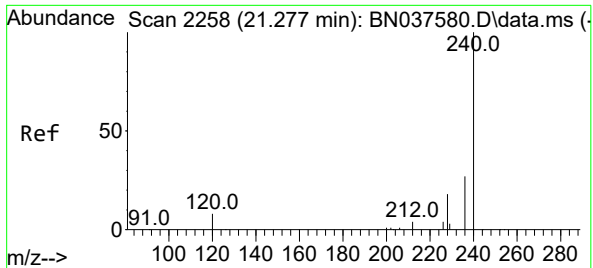
Ion Ratio Lower Upper

212 100

106 14.6 11.5 17.3

104 8.5 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

Instrument :

BNA_N

ClientSampleId :

EB01-081325

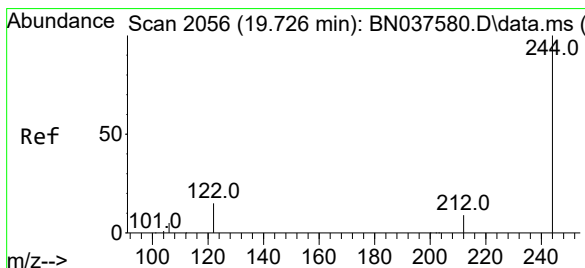
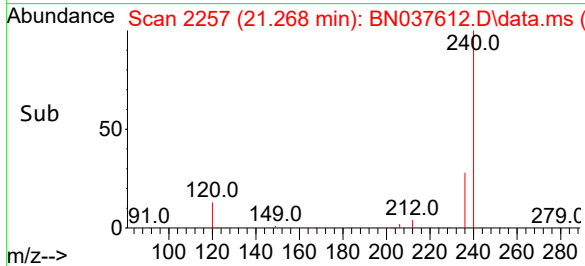
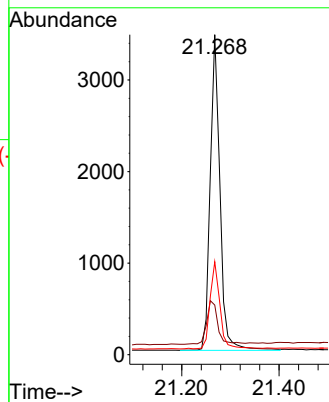
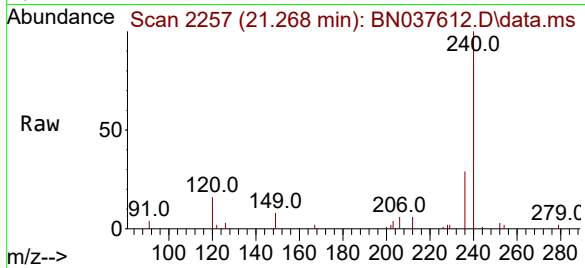
Tgt Ion:240 Resp: 4806

Ion Ratio Lower Upper

240 100

120 15.5 8.9 13.3#

236 29.0 22.6 33.8



#31

Terphenyl-d14

Concen: 0.490 ng

RT: 19.722 min Scan# 2055

Delta R.T. -0.005 min

Lab File: BN037612.D

Acq: 19 Aug 2025 17:54

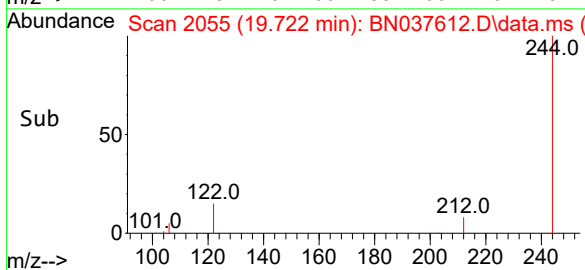
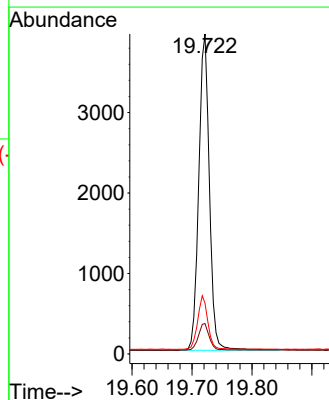
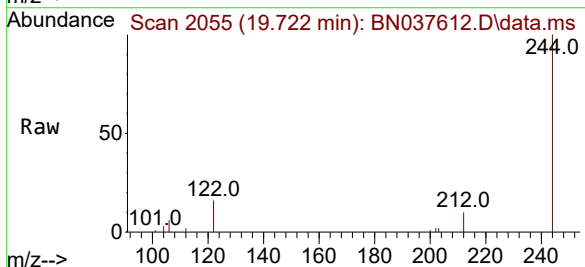
Tgt Ion:244 Resp: 4846

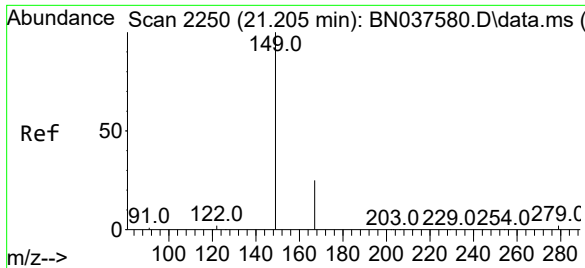
Ion Ratio Lower Upper

244 100

212 9.5 8.2 12.2

122 15.9 13.2 19.8

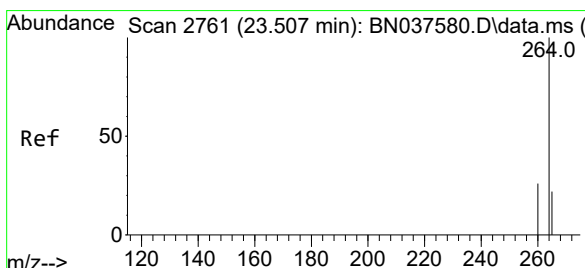
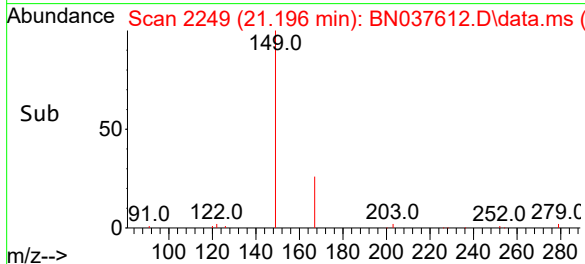
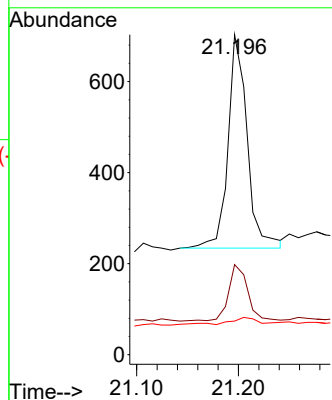
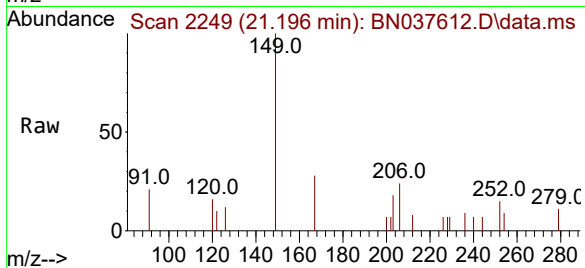




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.196 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

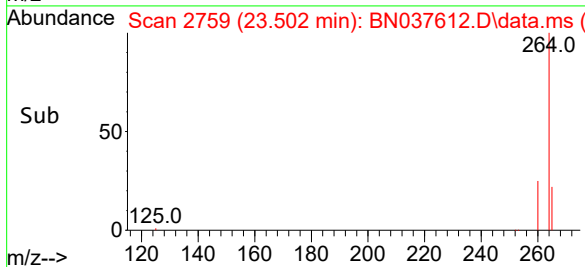
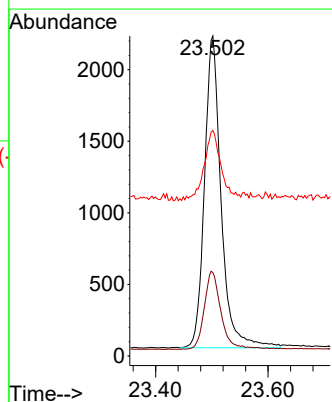
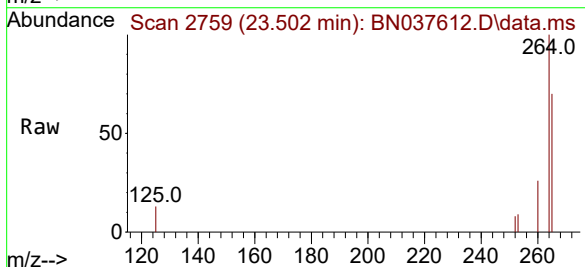
Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:149 Resp: 615
Ion Ratio Lower Upper
149 100
167 26.5 20.5 30.7
279 4.4 2.6 4.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:264 Resp: 4479
Ion Ratio Lower Upper
264 100
260 26.1 21.6 32.4
265 70.5 48.2 72.4



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB02-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-10	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
BN037613.D	1	08/18/25 08:41	08/19/25 18:30	PB169286

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	0.24		30 (20) - 150 (139)	61%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		30 (27) - 130 (154)	67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		30 (30) - 130 (155)	69%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	109%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2370	7.717			
1146-65-2	Naphthalene-d8	5790	10.498			
15067-26-2	Acenaphthene-d10	2830	14.345			
1517-22-2	Phenanthrene-d10	5680	17.086			
1719-03-5	Chrysene-d12	4480	21.268			
1520-96-3	Perylene-d12	4030	23.499			

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\BN081925\
 Data File : BN037613.D
 Acq On : 19 Aug 2025 18:30
 Operator : RC/JU
 Sample : Q2869-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB02-081325

Quant Time: Aug 20 01:28:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

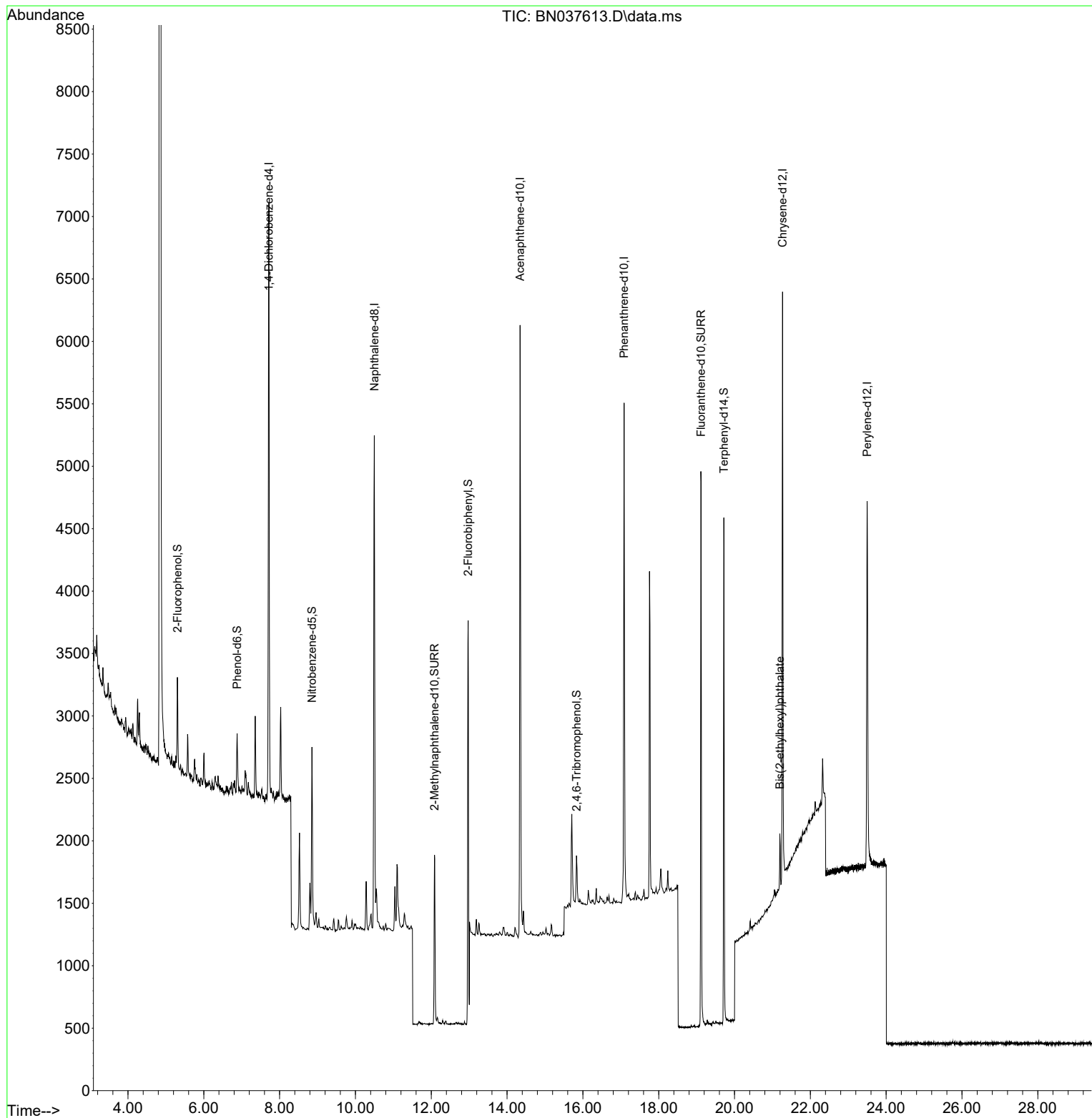
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2371	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5789	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2832	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5676	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4482	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	4034	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	578	0.108	ng	0.00
5) Phenol-d6	6.879	99	411	0.064	ng	0.00
8) Nitrobenzene-d5	8.854	82	1090	0.267	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	1923	0.244	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	277	0.223	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4503	0.275	ng	0.00
27) Fluoranthene-d10	19.118	212	5122	0.343	ng	0.00
31) Terphenyl-d14	19.717	244	4041	0.438	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.196	149	452	0.073	ng	# 99

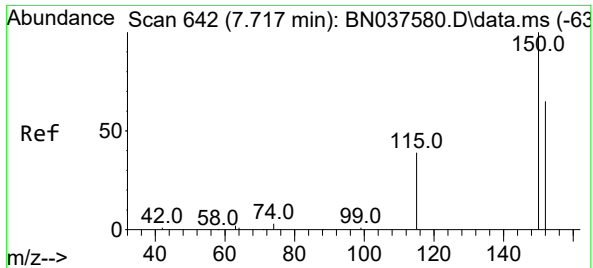
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037613.D
Acq On : 19 Aug 2025 18:30
Operator : RC/JU
Sample : Q2869-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Quant Time: Aug 20 01:28:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

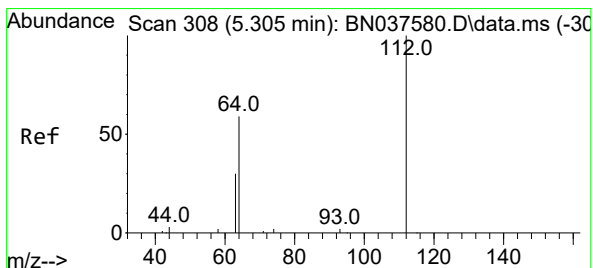
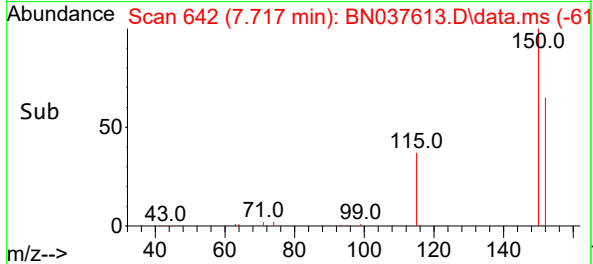
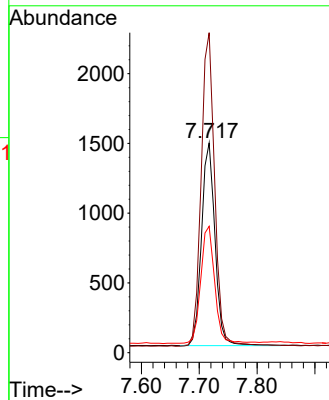
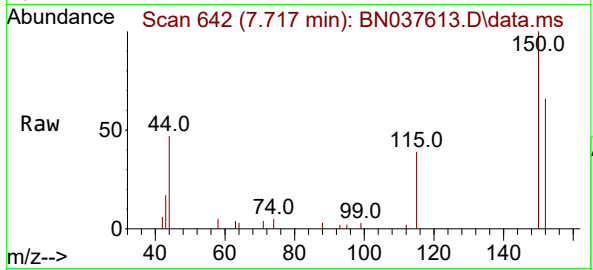




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 642
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

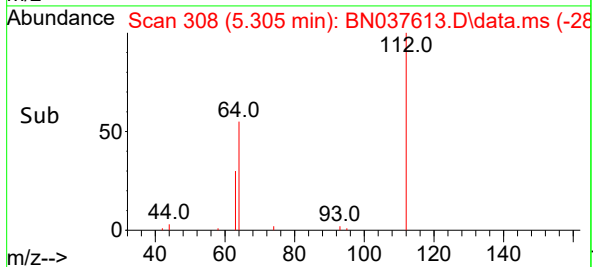
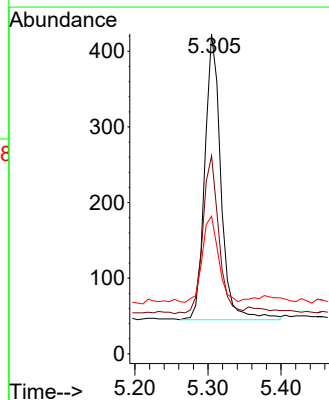
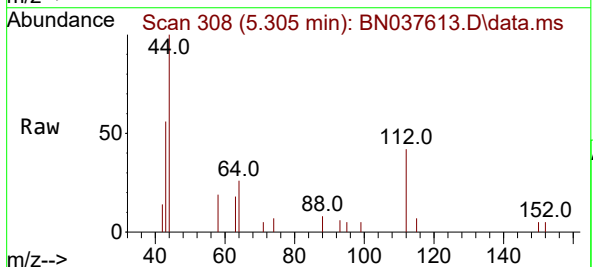
Instrument :
BNA_N
ClientSampleId :
EB02-081325

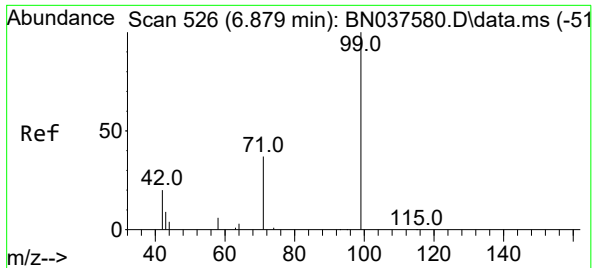
Tgt Ion:152 Resp: 2371
Ion Ratio Lower Upper
152 100
150 152.5 122.2 183.4
115 60.2 49.8 74.6



#4
2-Fluorophenol
Concen: 0.108 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:112 Resp: 578
Ion Ratio Lower Upper
112 100
64 54.7 44.9 67.3
63 31.3 23.4 35.2

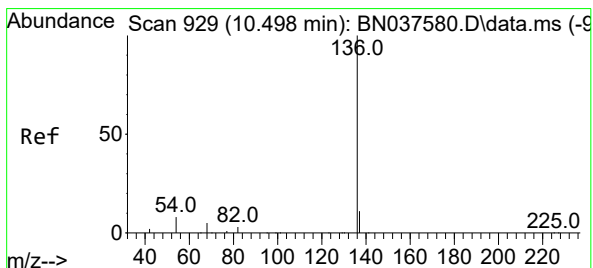
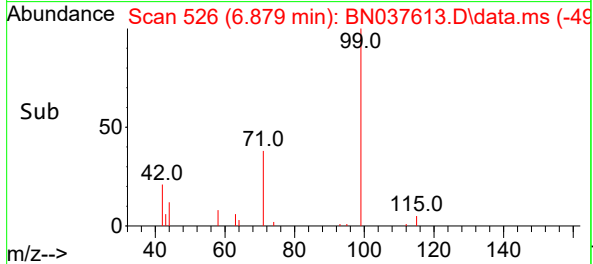
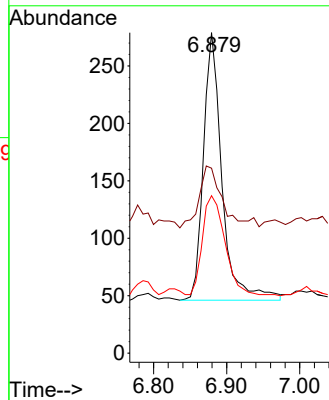
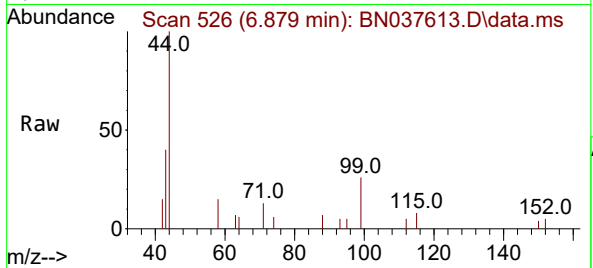




#5
Phenol-d6
Concen: 0.064 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

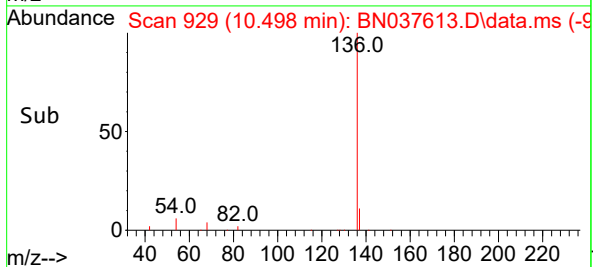
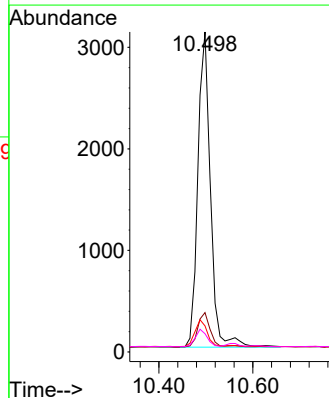
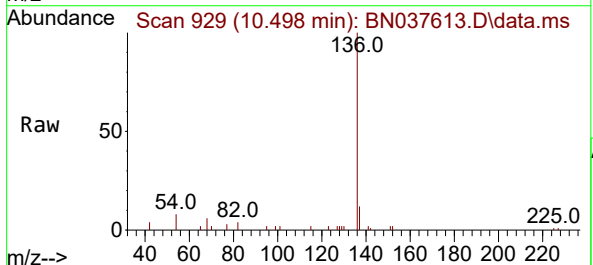
Instrument :
BNA_N
ClientSampleId :
EB02-081325

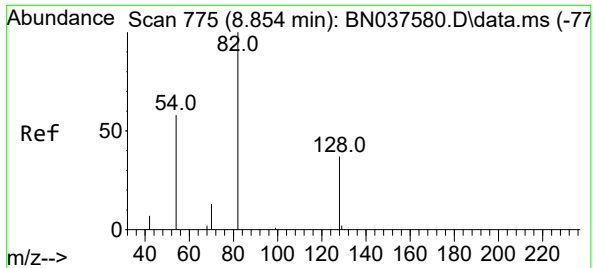
Tgt Ion: 99 Resp: 411
Ion Ratio Lower Upper
99 100
42 29.2 18.5 27.7#
71 45.7 28.6 42.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion: 136 Resp: 5789
Ion Ratio Lower Upper
136 100
137 12.3 9.5 14.3
54 8.2 7.3 10.9
68 5.7 5.1 7.7

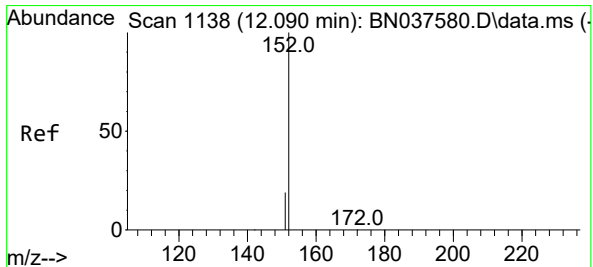
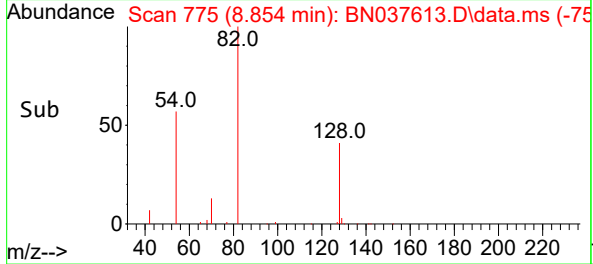
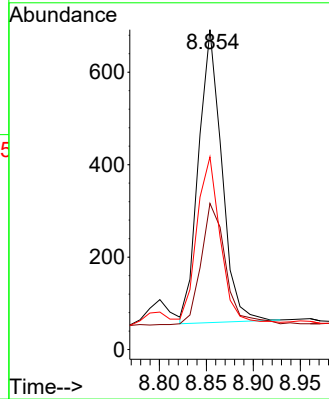
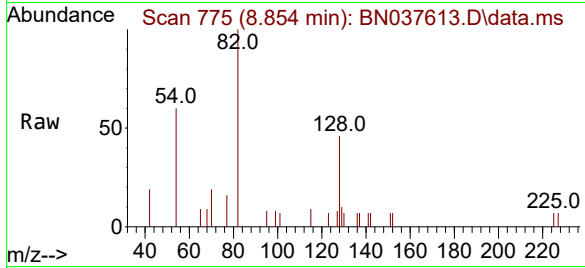




#8
Nitrobenzene-d5
Concen: 0.267 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

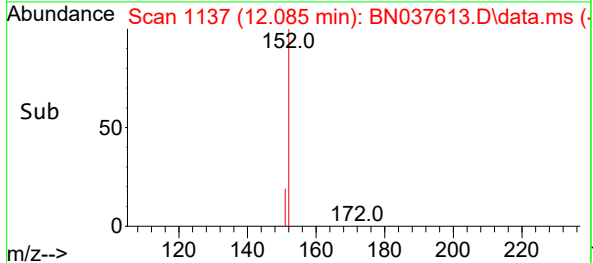
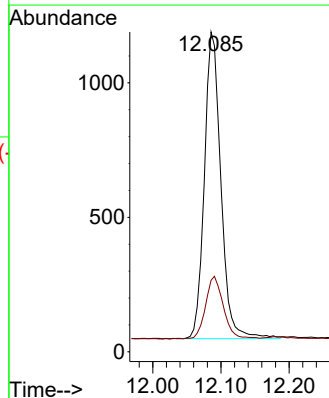
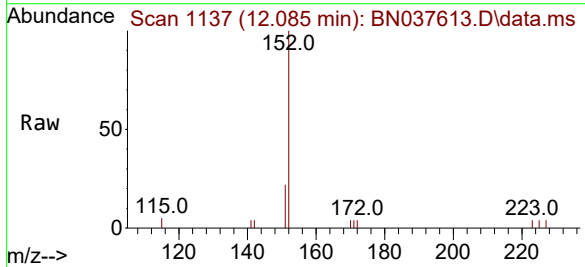
Instrument :
BNA_N
ClientSampleId :
EB02-081325

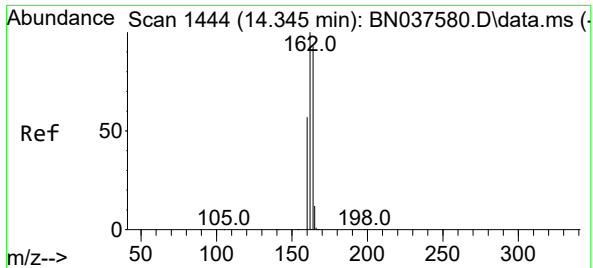
Tgt Ion:	82	Resp:	1090
Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.6	48.8
54	60.3	48.9	73.3



#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:	152	Resp:	1923
Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.3	25.9

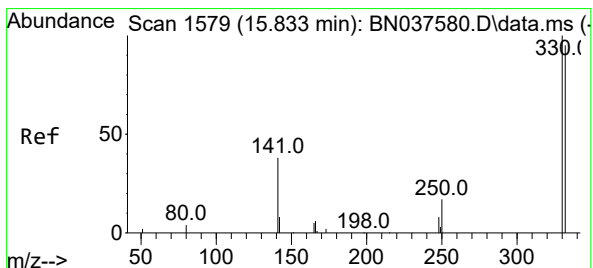
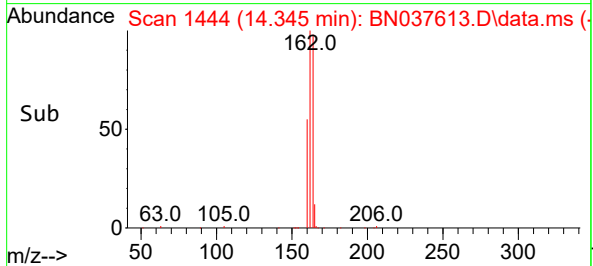
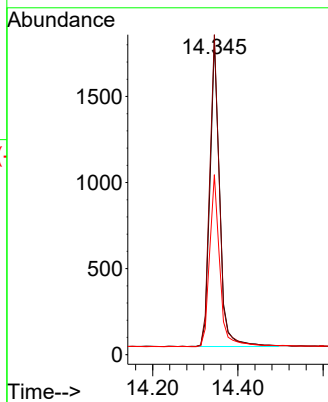
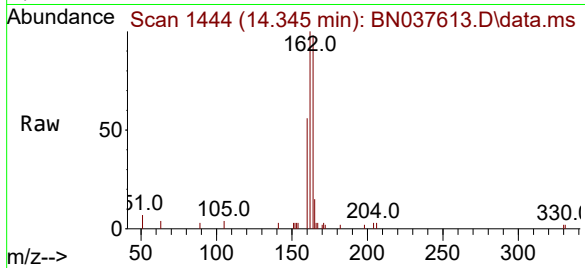




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

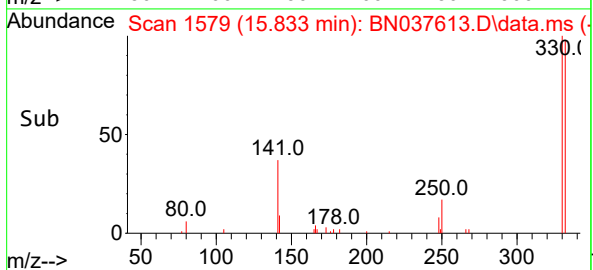
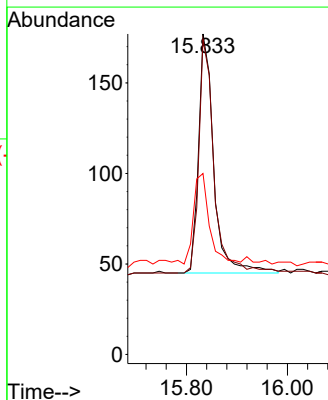
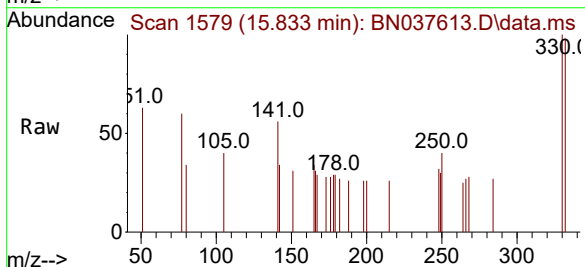
Instrument :
BNA_N
ClientSampleId :
EB02-081325

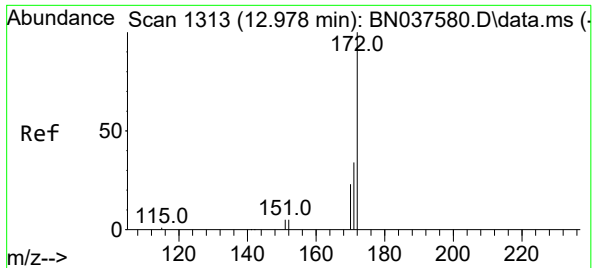
Tgt Ion:164 Resp: 2832
Ion Ratio Lower Upper
164 100
162 101.9 85.5 128.3
160 57.3 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.223 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:330 Resp: 277
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 38.3 30.9 46.3

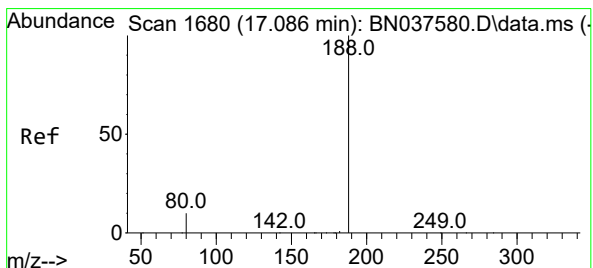
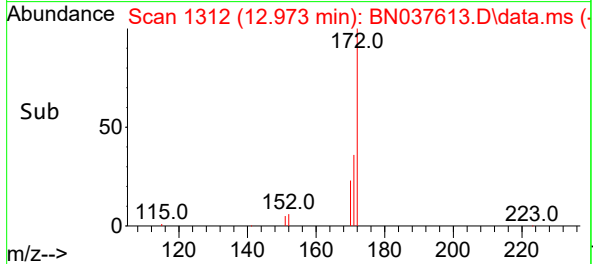
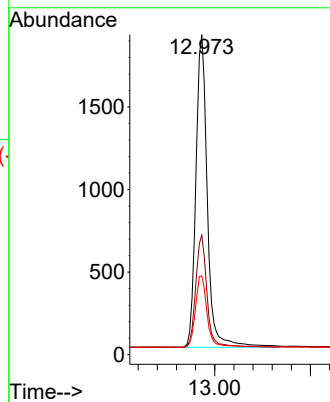
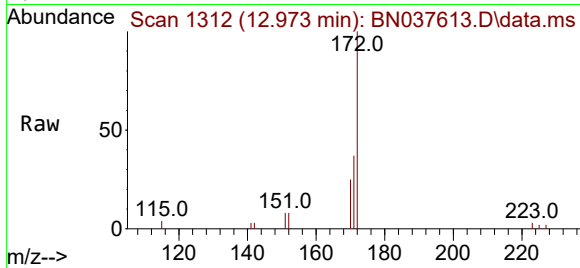




#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 12.973 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

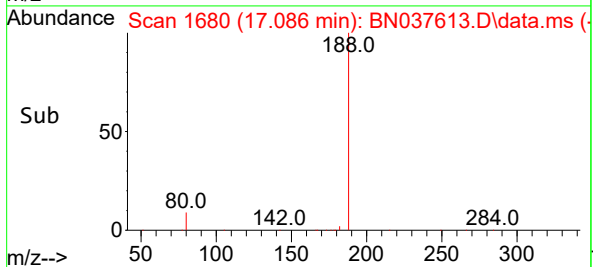
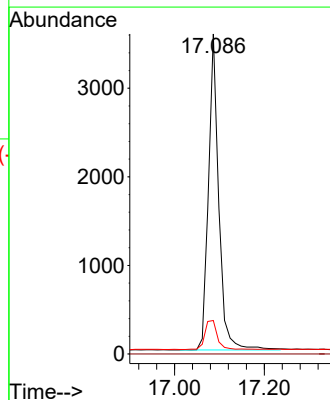
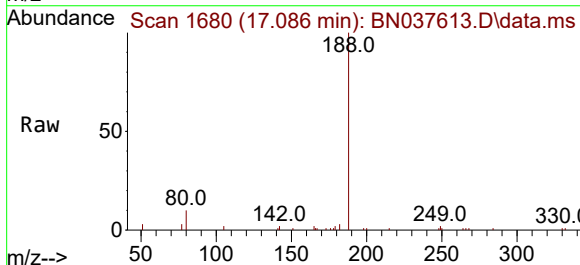
Instrument :
BNA_N
ClientSampleId :
EB02-081325

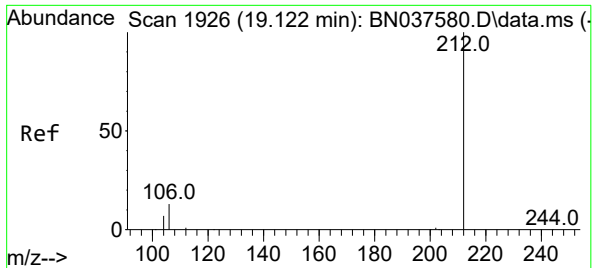
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.2	42.4
170	24.6	19.2	28.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	9.1	13.7

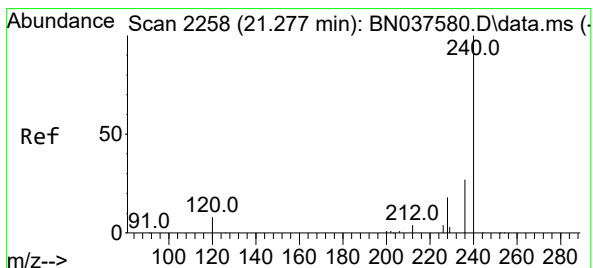
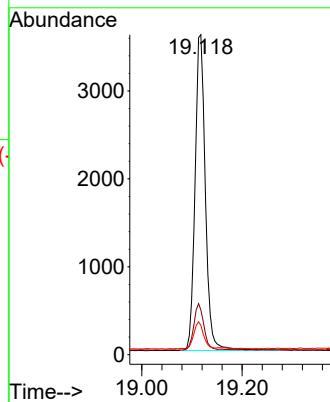
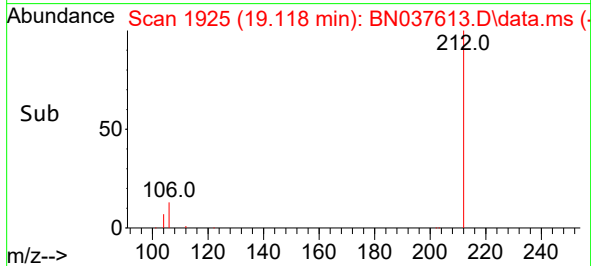
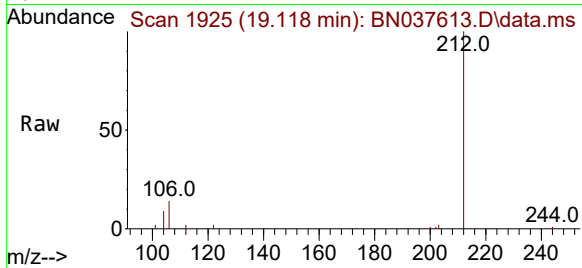




#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

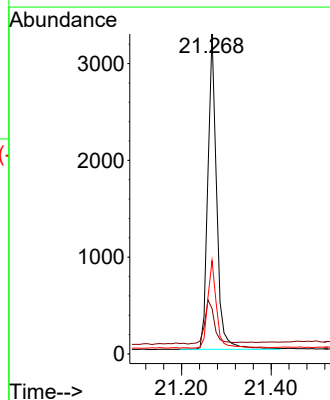
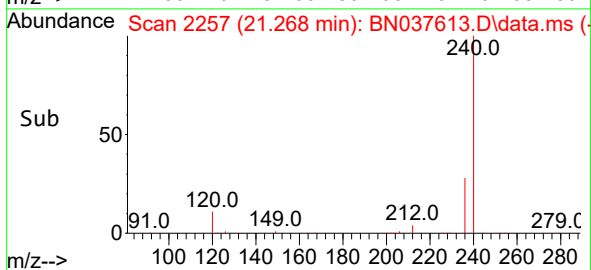
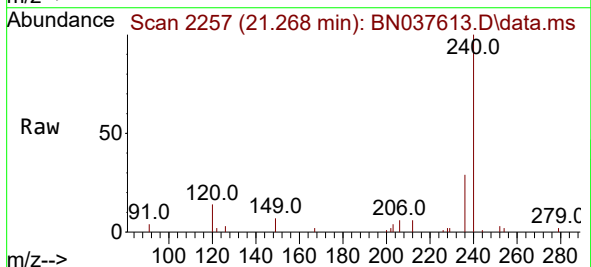
Instrument :
BNA_N
ClientSampleId :
EB02-081325

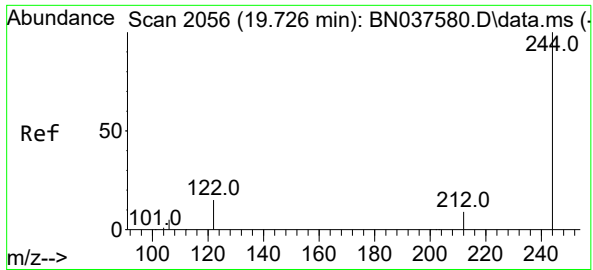
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	8.3	6.6	9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3
236	29.2	22.6	33.8

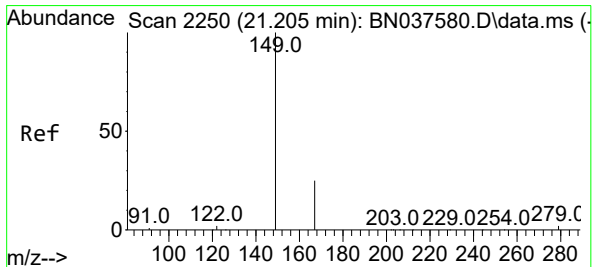
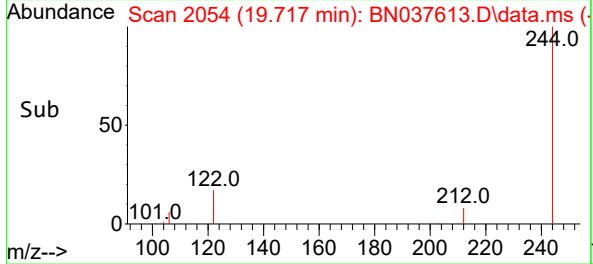
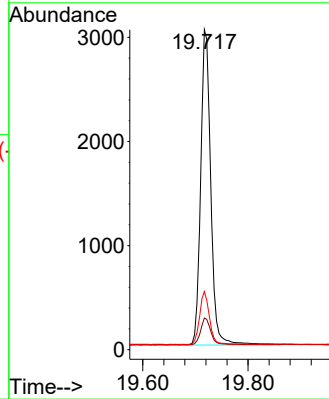
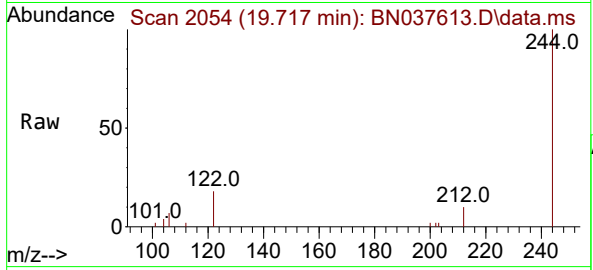




#31
Terphenyl-d14
Concen: 0.438 ng
RT: 19.717 min Scan# 2056
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

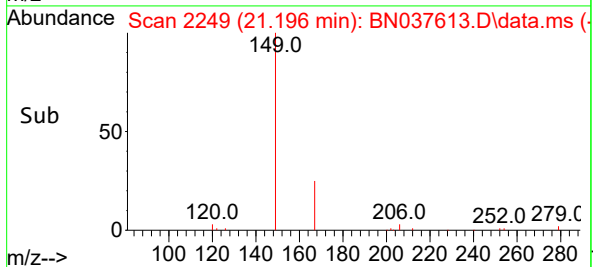
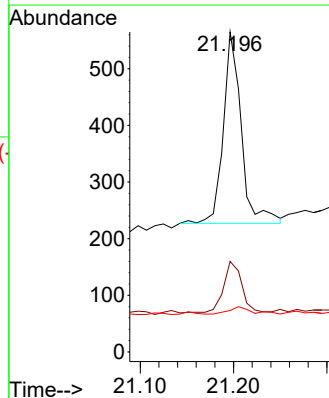
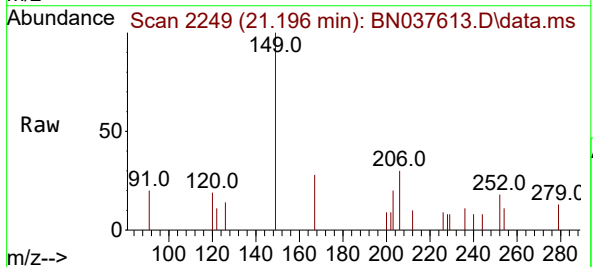
Instrument :
BNA_N
ClientSampleId :
EB02-081325

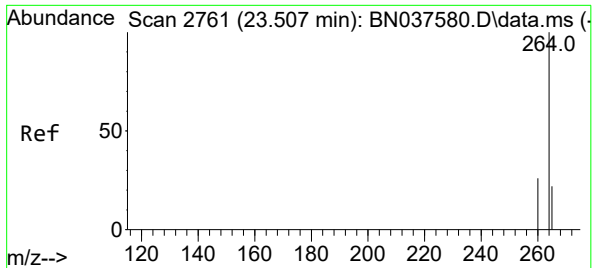
Tgt Ion:244 Resp: 4041
Ion Ratio Lower Upper
244 100
212 9.9 8.2 12.2
122 18.2 13.2 19.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:149 Resp: 452
Ion Ratio Lower Upper
149 100
167 26.1 20.5 30.7
279 4.4 2.6 4.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.499 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037613.D

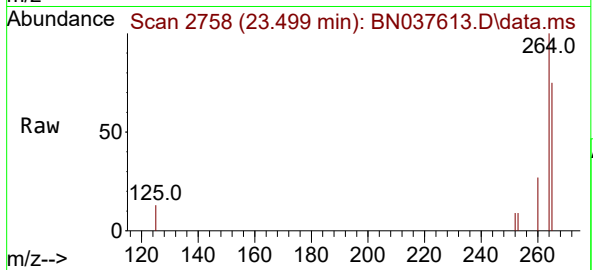
Acq: 19 Aug 2025 18:30

Instrument :

BNA_N

ClientSampleId :

EB02-081325



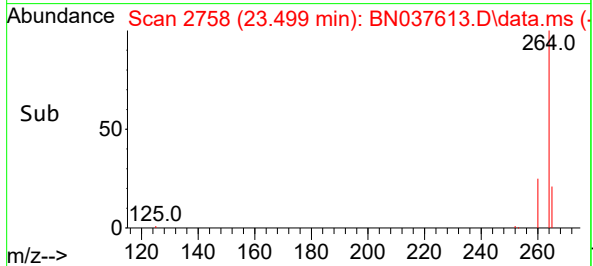
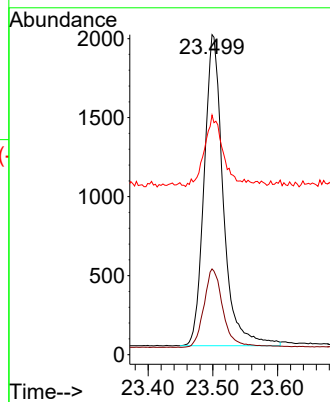
Tgt Ion:264 Resp: 4034

Ion	Ratio	Lower	Upper

264	100		

260	26.8	21.6	32.4

265	74.9	48.2	72.4#





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: JAC005Lab Code: ACESDG No.: Q2869Instrument ID: BNA_NCalibration Date(s): 08/12/2025 08/12/2025Calibration Time(s): 16:26 20:05

LAB FILE ID:		RRF0.1 = BN037578.D		RRF0.2 = BN037579.D		RRF0.4 = BN037580.D		
		RRF0.8 = BN037581.D		RRF1.6 = BN037582.D		RRF3.2 = BN037583.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.488	0.492	0.508	0.493	0.543	0.578	0.544	14.4
Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.052	16.6
2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.907	5.4
Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.091	7.7
Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.282	9.0
2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.313	3.5
2,4,6-Tribromophenol	0.139	0.149	0.156	0.160	0.185	0.203	0.175	19.4
Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.823	5.5
1,4-Dioxane		0.413	0.395	0.368	0.397	0.375	0.383	6.1

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-BN081225.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 13 05:00:58 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.413	0.395	0.368	0.397	0.375	0.348	0.383		6.08
3)	n-Nitrosodimet...	0.471	0.488	0.471	0.493	0.503	0.508	0.489		3.19
4) S	2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.977	0.907	5.41
5) S	Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.201	1.091	7.66
6)	bis(2-Chloroet...	0.935	0.987	0.976	0.936	1.020	1.008	1.022	0.983	3.75
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.326	0.282	9.03
9)	Naphthalene	1.044	1.050	1.037	1.012	1.089	1.096	1.127	1.065	3.78
10)	Hexachlorobuta...	0.252	0.258	0.262	0.253	0.267	0.264	0.265	0.260	2.22
11) SURR2	Methylnaphth...	0.488	0.492	0.508	0.493	0.543	0.578	0.705	0.544	14.39
12)	2-Methylnaphth...	0.589	0.631	0.635	0.629	0.701	0.731	0.760	0.668	9.39
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.139	0.149	0.156	0.160	0.185	0.203	0.234	0.175	19.39
15) S	2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.440	2.313	3.50
16)	Acenaphthylene	1.740	1.760	1.710	1.653	1.850	1.858	1.980	1.793	6.15
17)	Acenaphthene	1.144	1.150	1.172	1.154	1.283	1.286	1.348	1.220	6.86
18)	Fluorene	1.466	1.510	1.524	1.521	1.686	1.693	1.770	1.596	7.38
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.042	0.046	0.047	0.061	0.070		0.053		22.37
21)	4-Bromophenyl-...	0.226	0.236	0.234	0.237	0.265	0.271	0.292	0.251	9.77
22)	Hexachlorobenzene	0.360	0.360	0.356	0.332	0.364	0.354	0.370	0.356	3.37
23)	Atrazine	0.127	0.126	0.130	0.134	0.160	0.176		0.142	14.76
24)	Pentachlorophenol		0.108	0.113	0.113	0.139	0.152		0.125	15.36
25)	Phenanthrene	1.146	1.162	1.170	1.138	1.281	1.269	1.347	1.216	6.72
26)	Anthracene	0.950	0.985	0.995	0.988	1.145	1.186	1.286	1.077	11.93
27) SURR	Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.419	1.052	16.61
28)	Fluoranthene	1.241	1.264	1.299	1.291	1.503	1.533	1.648	1.397	11.53
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.539	1.486	1.464	1.403	1.502	1.520	1.552	1.495	3.38
31) S	Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.901	0.823	5.45
32)	Benzo(a)anthra...	1.266	1.275	1.263	1.253	1.351	1.458	1.487	1.336	7.40
33)	Chrysene	1.547	1.515	1.433	1.379	1.511	1.489	1.551	1.489	4.21
34)	Bis(2-ethylhex...		0.518	0.522	0.483	0.522	0.593	0.671	0.551	12.47
35) I	Perylene-d12	-----ISTD-----								

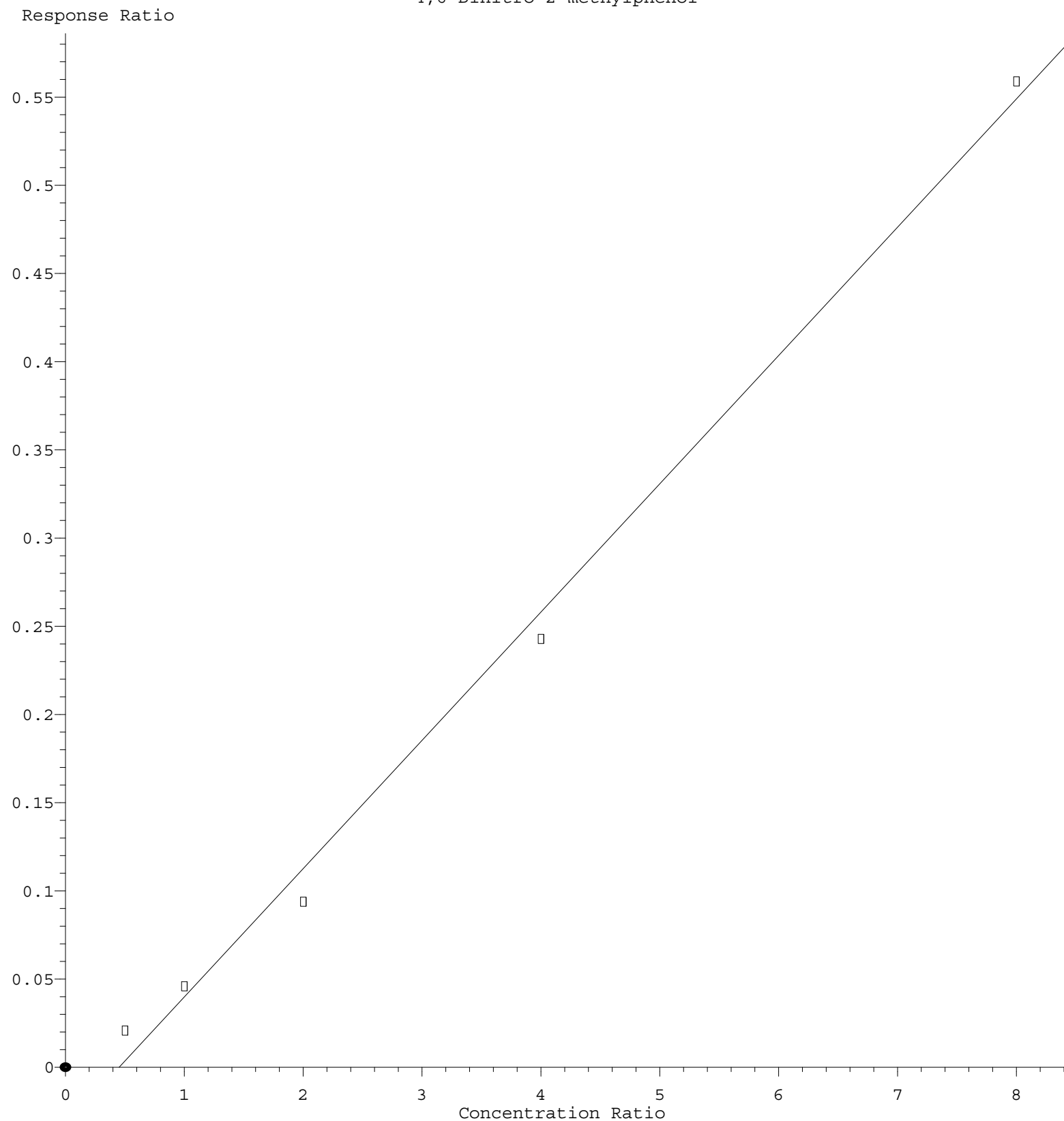
Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN081225.M

36)	Indeno(1,2,3-c...	1.446	1.462	1.612	1.568	1.816	1.883	2.011	1.686	13.01
37)	Benzo(b)fluora...	1.351	1.375	1.338	1.432	1.615	1.674	1.825	1.516	12.52
38)	Benzo(k)fluora...	1.597	1.580	1.651	1.628	1.821	1.797	1.898	1.710	7.36
39) C	Benzo(a)pyrene	1.146	1.136	1.149	1.157	1.322	1.382	1.508	1.257	11.77
40)	Dibenzo(a,h)an...	1.023	1.118	1.222	1.215	1.439	1.516	1.621	1.308	16.85
41)	Benzo(g,h,i)pe...	1.207	1.274	1.262	1.261	1.467	1.532	1.643	1.378	12.17

(#) = Out of Range

4,6-Dinitro-2-methylphenol



Response = $7.267 \times 10^{-2} \times \text{Amt} - 3.284 \times 10^{-2}$
 Coef of Det (r^2) = 0.994845 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN081225.M
 Calibration Table Last Updated: Wed Aug 13 05:00:58 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037578.D
 Acq On : 12 Aug 2025 16:26
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Aug 13 04:47:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

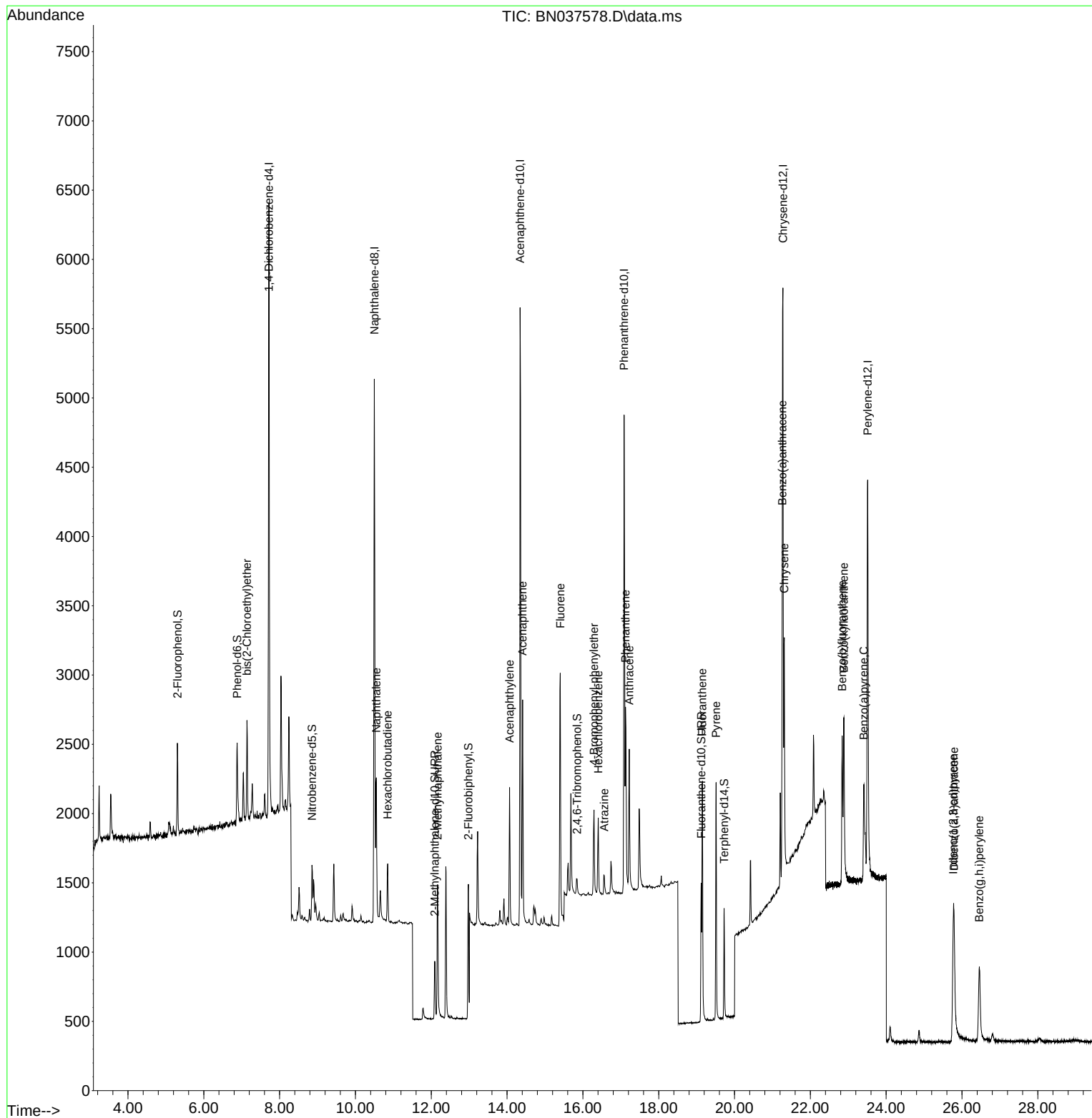
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2217	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5472	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2625	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	5296	0.400	ng	0.00
29) Chrysene-d12	21.277	240	4146	0.400	ng	# 0.00
35) Perylene-d12	23.514	264	4132	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	511	0.102	ng	0.00
5) Phenol-d6	6.879	99	579	0.096	ng	0.00
8) Nitrobenzene-d5	8.854	82	369	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	667	0.090	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	91	0.079	ng	0.01
15) 2-Fluorobiphenyl	12.978	172	1461	0.096	ng	0.00
27) Fluoranthene-d10	19.123	212	1234	0.089	ng	0.00
31) Terphenyl-d14	19.726	244	844	0.099	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.139	93	518	0.095	ng	94
9) Naphthalene	10.552	128	1428	0.098	ng	# 89
10) Hexachlorobutadiene	10.851	225	345	0.097	ng	# 99
12) 2-Methylnaphthalene	12.167	142	806	0.088	ng	94
16) Acenaphthylene	14.067	152	1142	0.097	ng	99
17) Acenaphthene	14.409	154	751	0.094	ng	95
18) Fluorene	15.403	166	962	0.092	ng	99
21) 4-Bromophenyl-phenylether	16.292	248	299	0.090	ng	90
22) Hexachlorobenzene	16.404	284	476	0.101	ng	99
23) Atrazine	16.565	200	168	0.089	ng	# 76
25) Phenanthrene	17.124	178	1517	0.094	ng	99
26) Anthracene	17.223	178	1258	0.088	ng	100
28) Fluoranthene	19.150	202	1643	0.089	ng	99
30) Pyrene	19.513	202	1595	0.103	ng	100
32) Benzo(a)anthracene	21.259	228	1312	0.095	ng	94
33) Chrysene	21.313	228	1603	0.104	ng	95
36) Indeno(1,2,3-cd)pyrene	25.771	276	1494	0.086	ng	99
37) Benzo(b)fluoranthene	22.841	252	1396	0.089	ng	# 74
38) Benzo(k)fluoranthene	22.885	252	1650	0.093	ng	# 72
39) Benzo(a)pyrene	23.411	252	1184	0.091	ng	# 64
40) Dibenzo(a,h)anthracene	25.791	278	1057	0.078	ng	# 72
41) Benzo(g,h,i)perylene	26.458	276	1247	0.088	ng	# 84

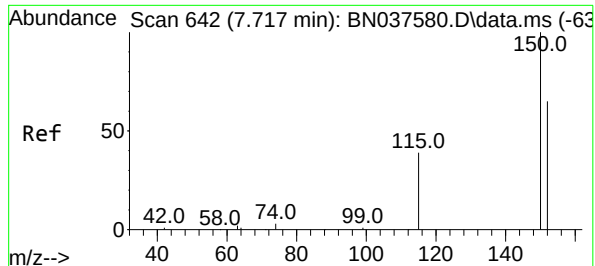
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037578.D
Acq On : 12 Aug 2025 16:26
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

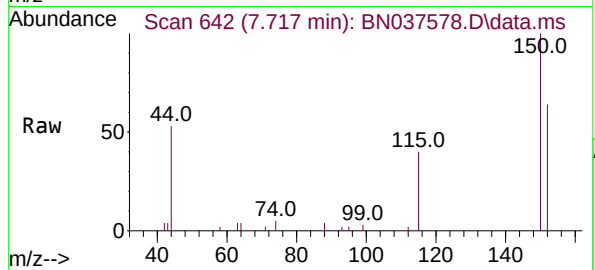
Quant Time: Aug 13 04:47:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration



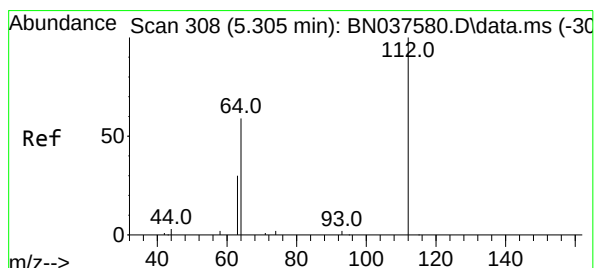
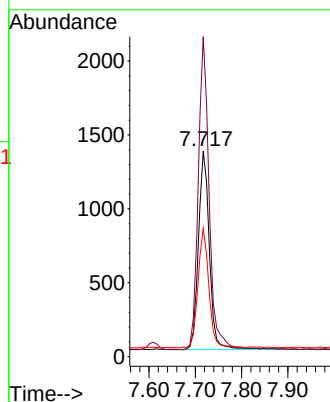
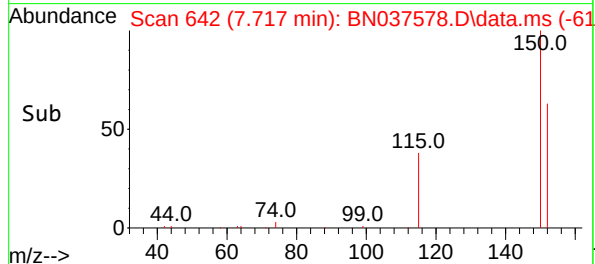


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 642
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

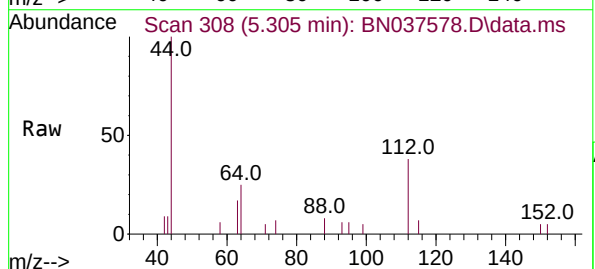
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



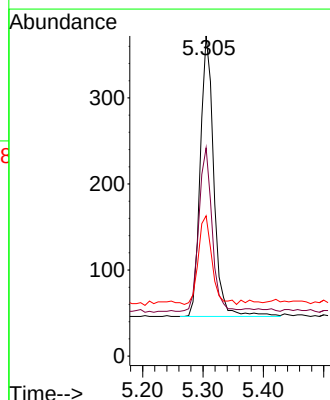
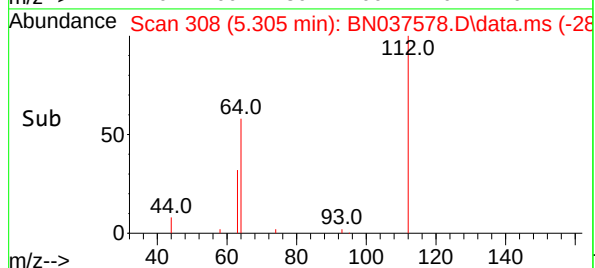
Tgt Ion:152 Resp: 2217
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.4
115 62.3 49.8 74.6

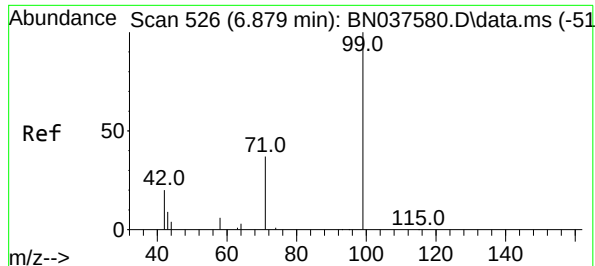


#4
2-Fluorophenol
Concen: 0.102 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26



Tgt Ion:112 Resp: 511
Ion Ratio Lower Upper
112 100
64 56.6 44.9 67.3
63 31.3 23.4 35.2

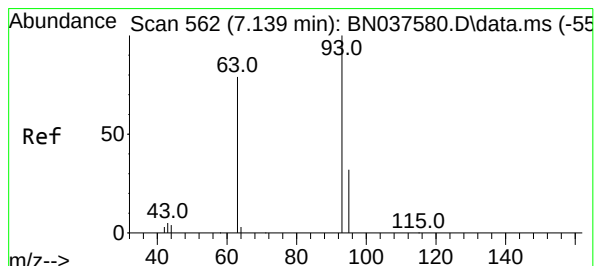
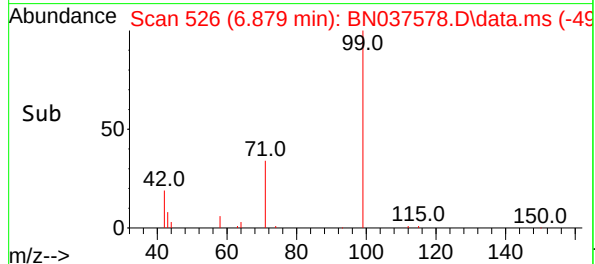
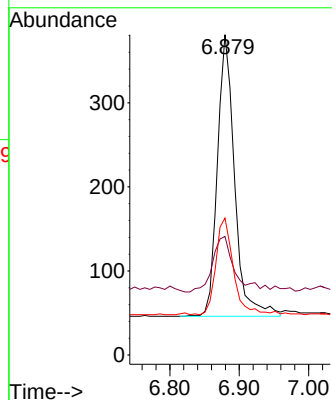
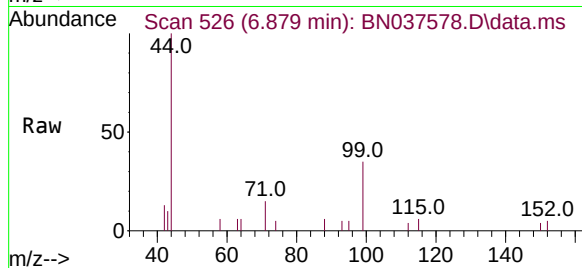




#5
Phenol-d6
Concen: 0.096 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

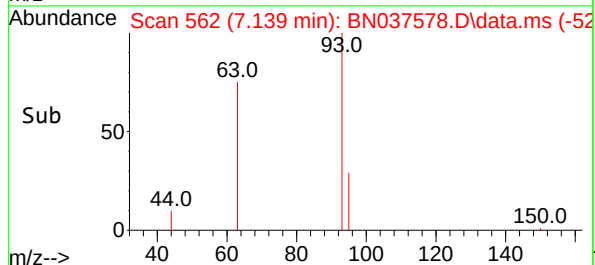
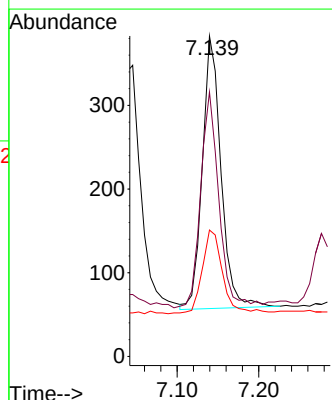
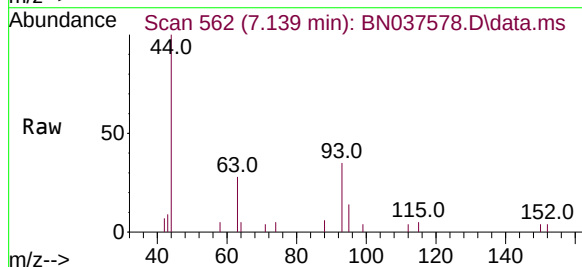
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

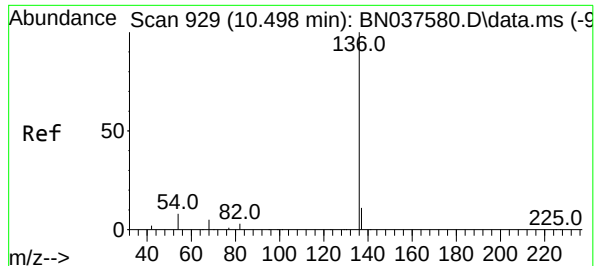
Tgt Ion: 99 Resp: 579
Ion Ratio Lower Upper
99 100
42 26.9 18.5 27.7
71 35.4 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion: 93 Resp: 518
Ion Ratio Lower Upper
93 100
63 78.0 58.0 87.0
95 33.8 24.9 37.3

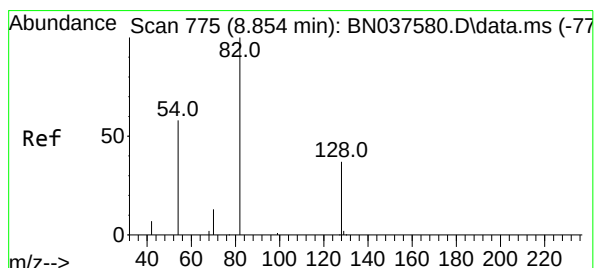
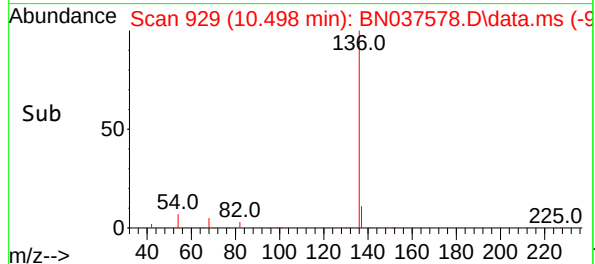
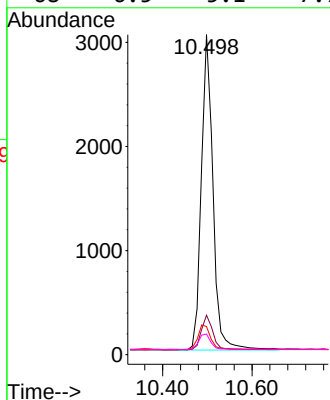
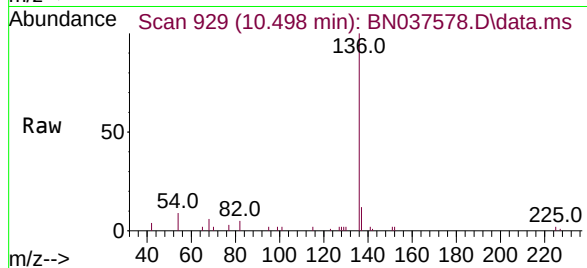




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

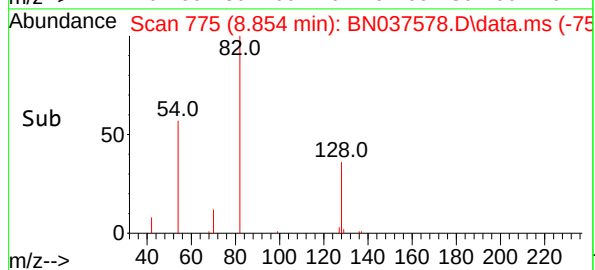
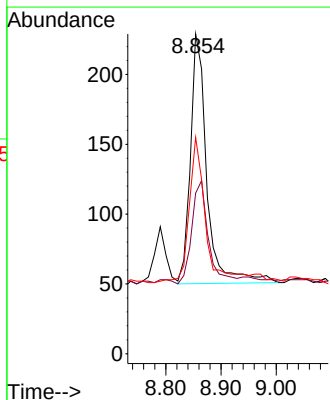
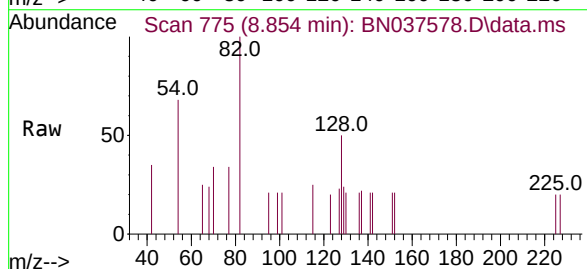
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ClientSampleId :
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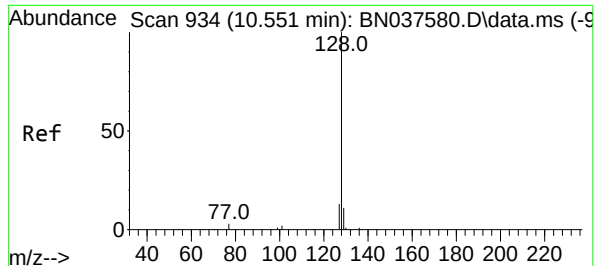
Tgt Ion:	136	Resp:	5472
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	8.8	7.3	10.9
68	6.5	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:	82	Resp:	369
Ion	Ratio	Lower	Upper
82	100		
128	50.2	32.6	48.8#
54	67.7	48.9	73.3

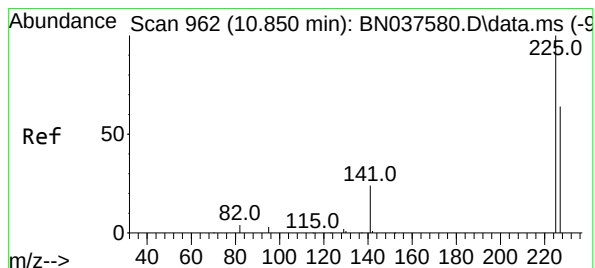
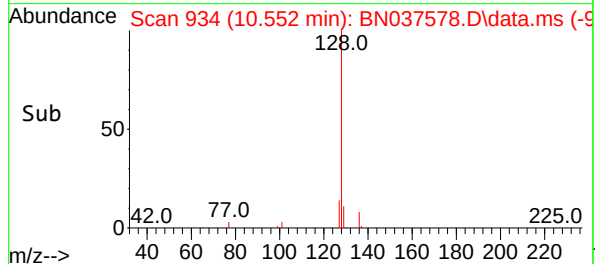
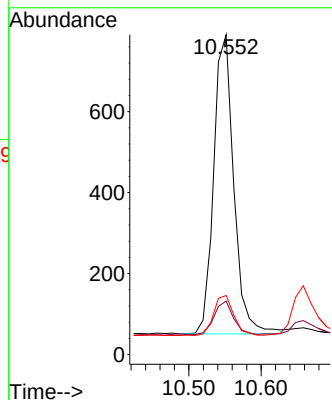
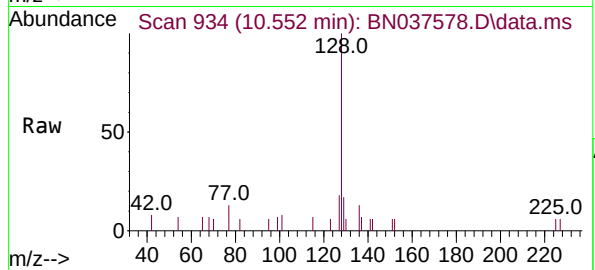




#9
Naphthalene
Concen: 0.098 ng
RT: 10.552 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

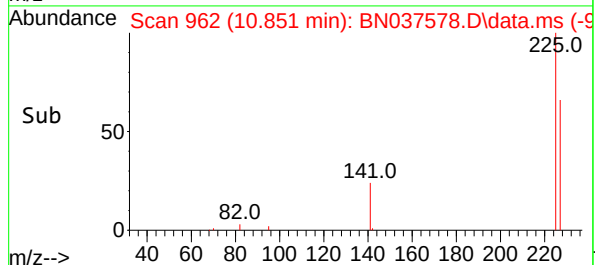
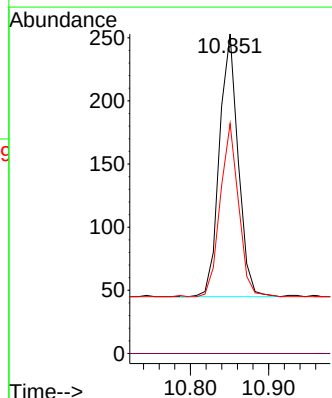
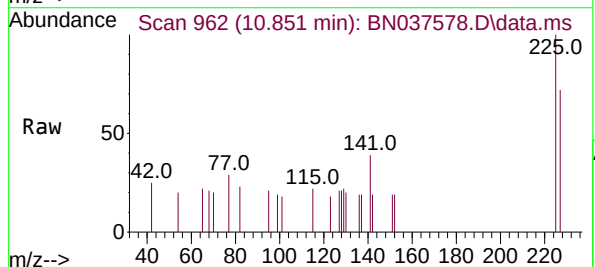
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BNA_N
ClientSampleId :
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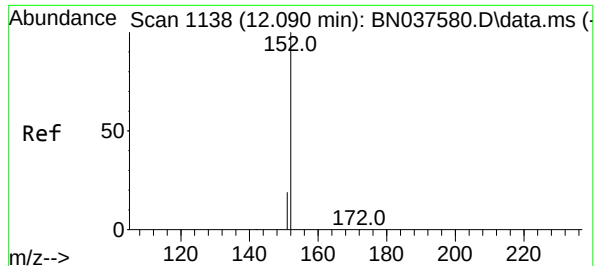
Tgt Ion:128 Resp: 1428
Ion Ratio Lower Upper
128 100
129 16.7 9.8 14.6#
127 18.5 11.5 17.3#



#10
Hexachlorobutadiene
Concen: 0.097 ng
RT: 10.851 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:225 Resp: 345
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 50.8 76.2

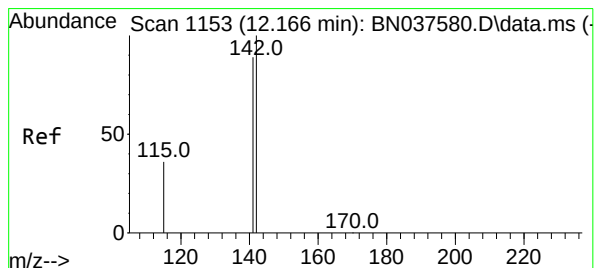
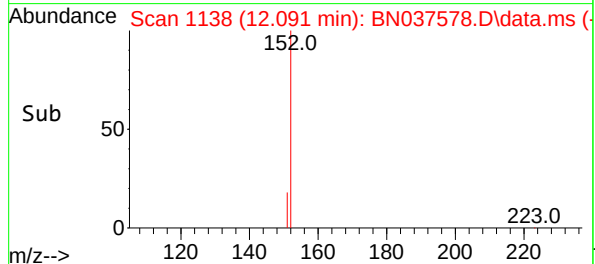
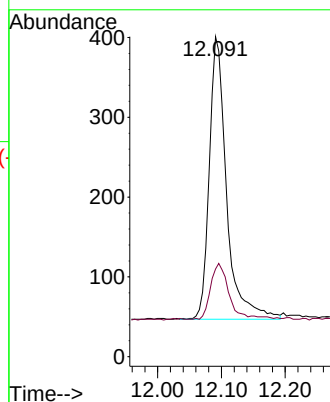
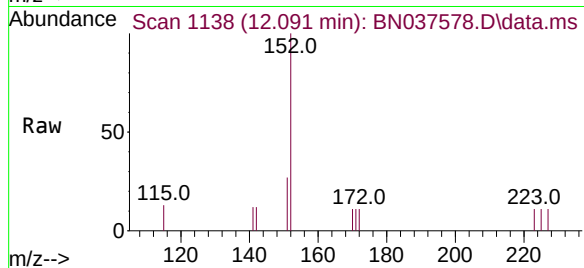




#11
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 12.091 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

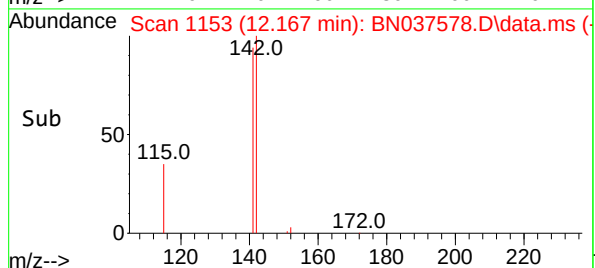
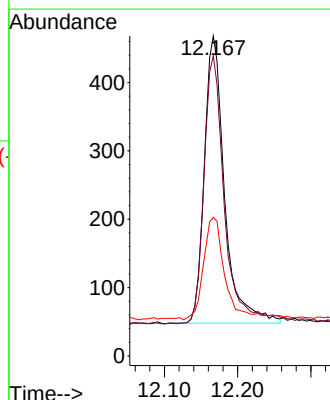
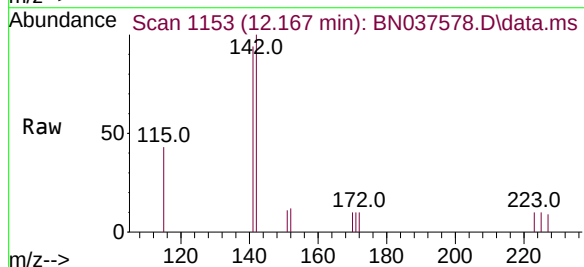
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ClientSampleId :
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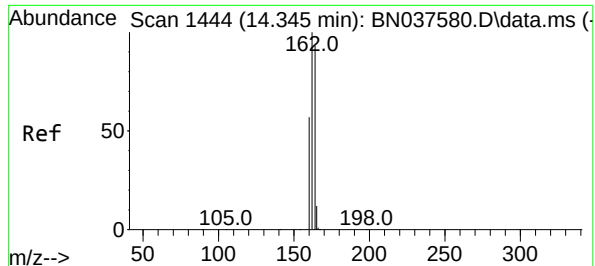
Tgt Ion:152 Resp: 667
Ion Ratio Lower Upper
152 100
151 21.1 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:142 Resp: 806
Ion Ratio Lower Upper
142 100
141 93.8 71.4 107.0
115 43.4 30.2 45.4

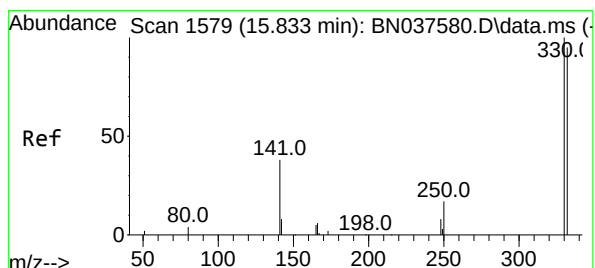
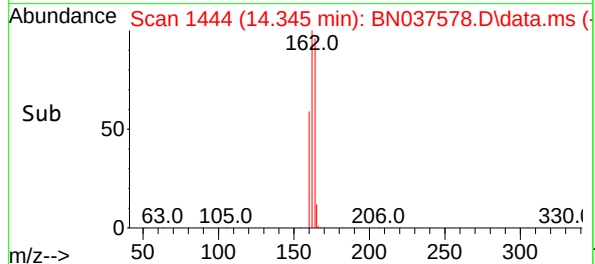
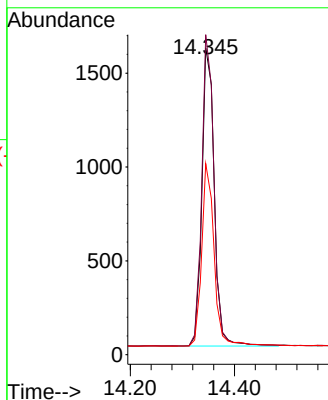
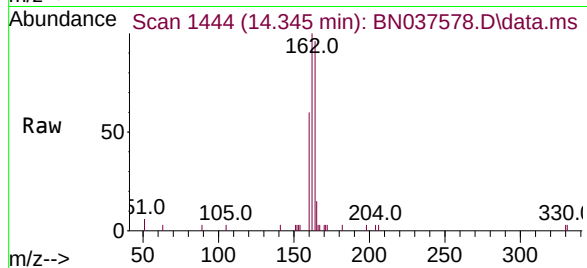




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

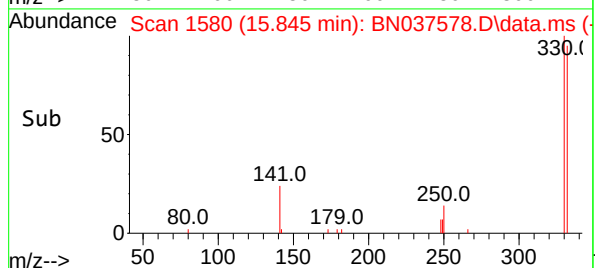
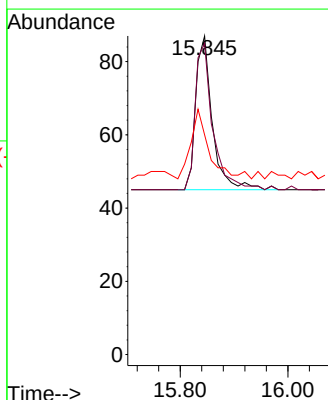
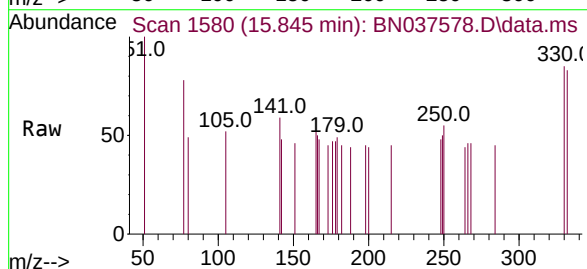
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BNA_N
ClientSampleId :
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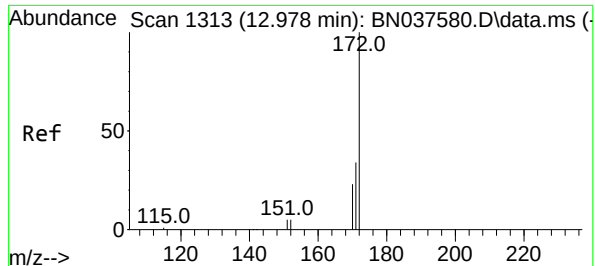
Tgt Ion:164 Resp: 2625
Ion Ratio Lower Upper
164 100
162 104.3 85.5 128.3
160 62.3 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.079 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.013 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:330 Resp: 91
Ion Ratio Lower Upper
330 100
332 101.1 77.4 116.0
141 47.3 30.9 46.3#

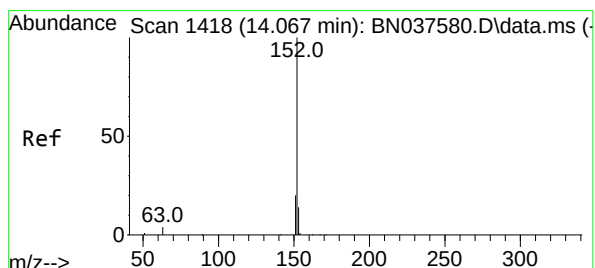
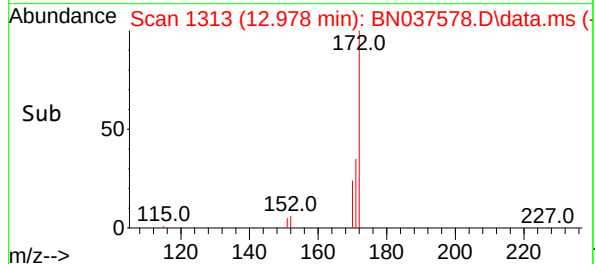
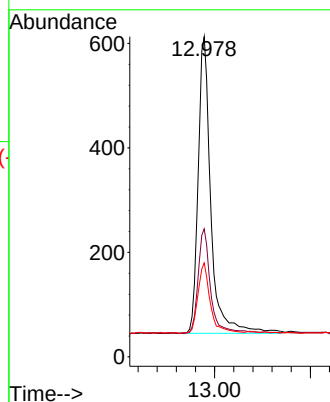
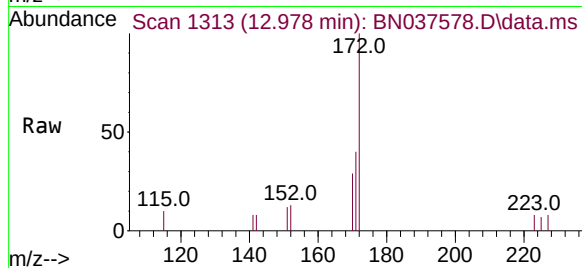




#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 12.978 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

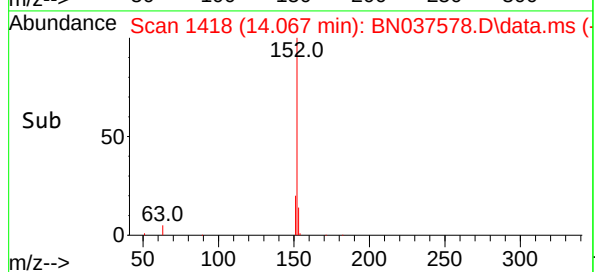
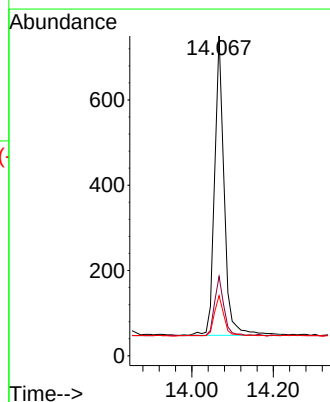
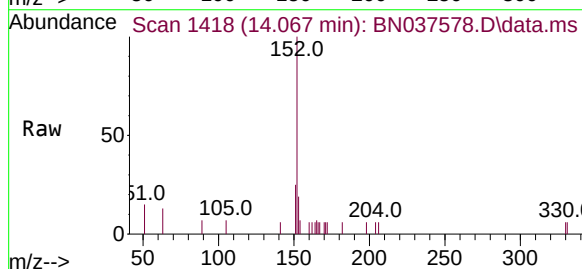
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ClientSampleId :
SSTDICC0.1

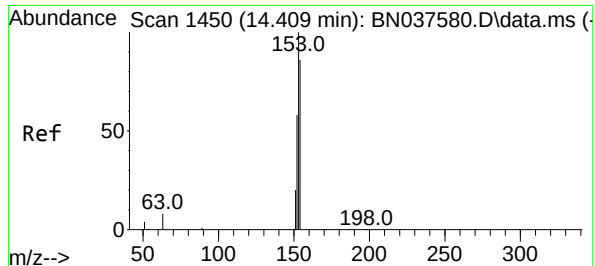
Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.0	28.2	42.4
170	29.4	19.2	28.8



#16
Acenaphthylene
Concen: 0.097 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.1	24.1
153	13.6	10.7	16.1

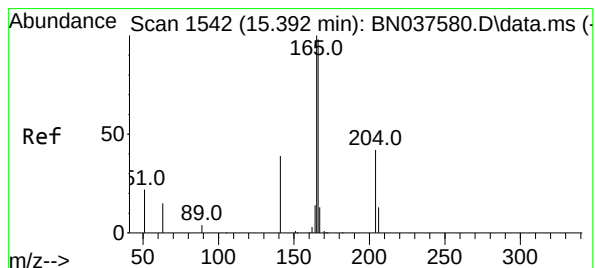
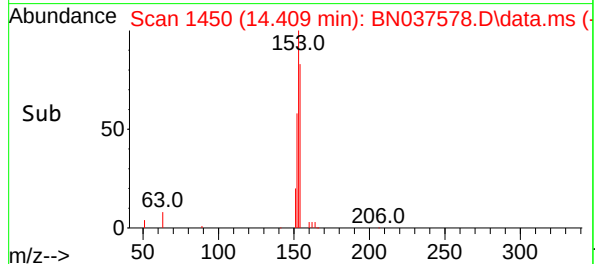
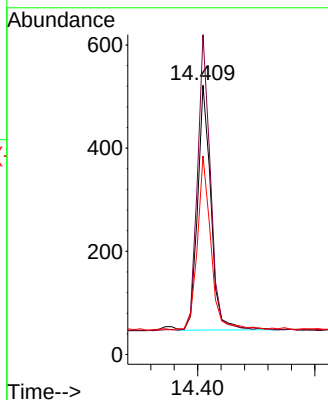
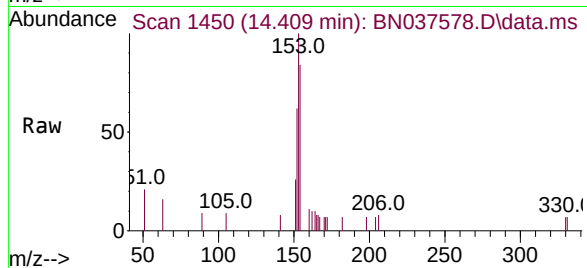




#17
Acenaphthene
Concen: 0.094 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

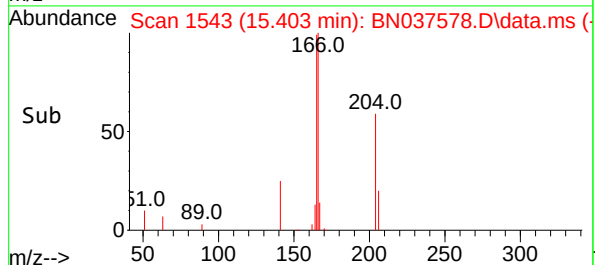
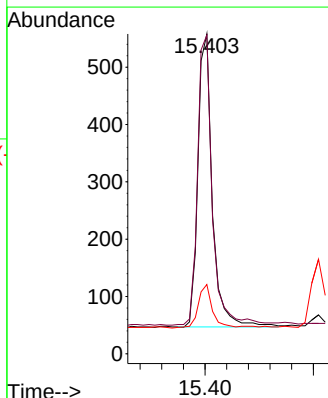
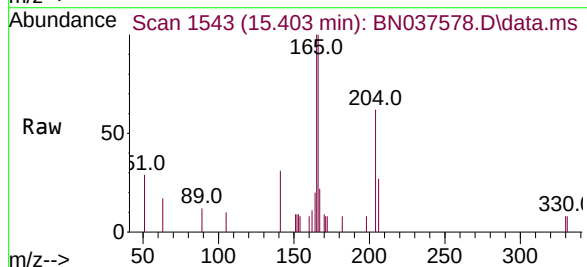
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

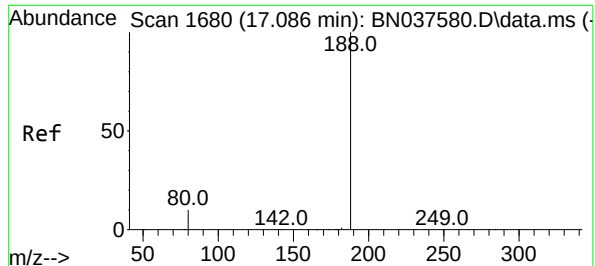
Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.8	90.6	135.8
152	71.6	54.9	82.3



#18
Fluorene
Concen: 0.092 ng
RT: 15.403 min Scan# 1543
Delta R.T. 0.011 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.9	118.3
167	14.2	10.7	16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

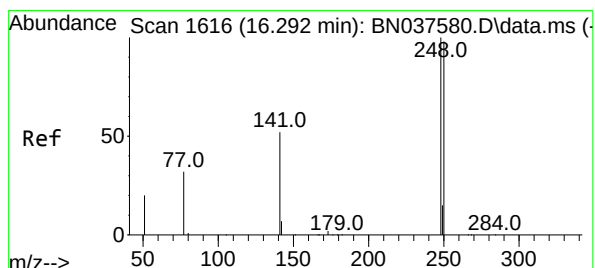
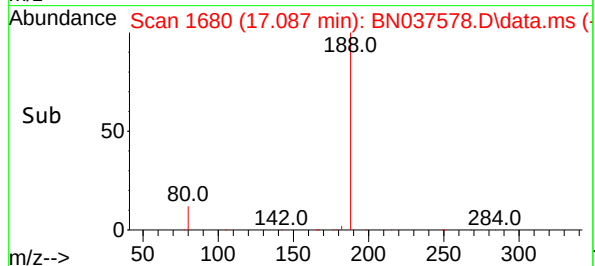
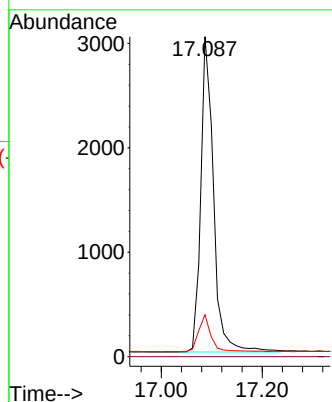
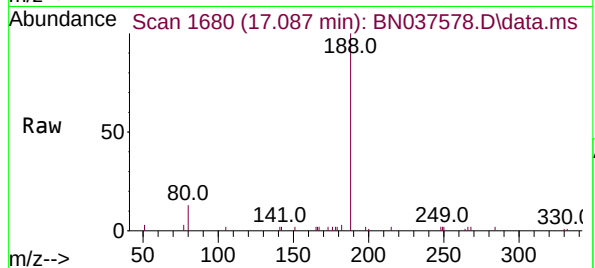
Tgt Ion:188 Resp: 5296

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 9.1 13.7



#21

4-Bromophenyl-phenylether

Concen: 0.090 ng

RT: 16.292 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

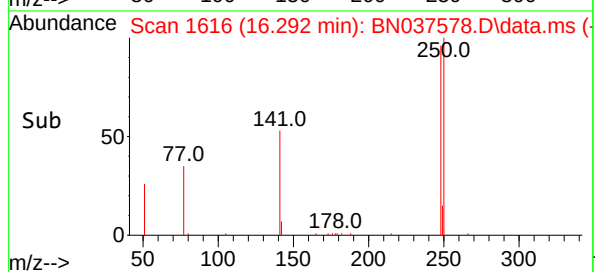
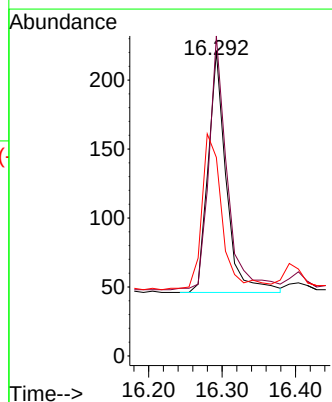
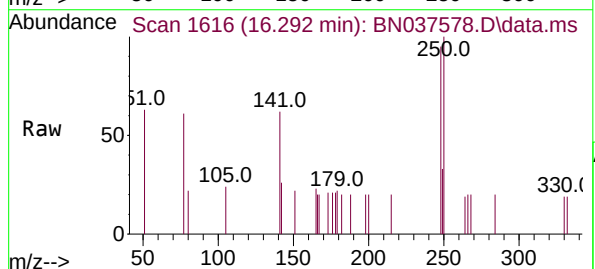
Tgt Ion:248 Resp: 299

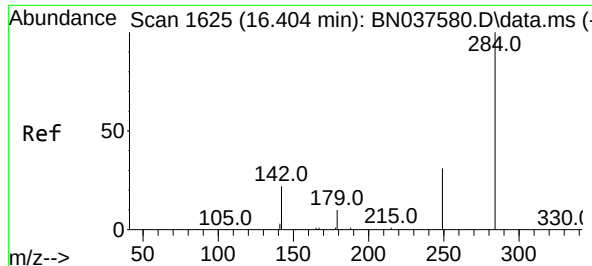
Ion Ratio Lower Upper

248 100

250 105.0 78.6 118.0

141 65.2 43.7 65.5





#22

Hexachlorobenzene

Concen: 0.101 ng

RT: 16.404 min Scan# 1625

Delta R.T. -0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

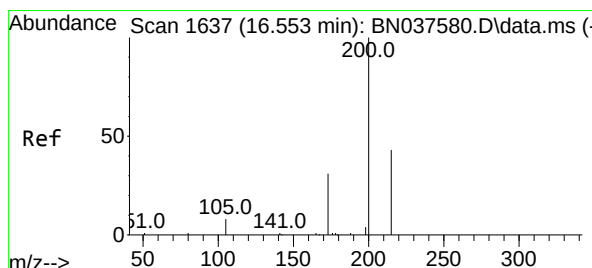
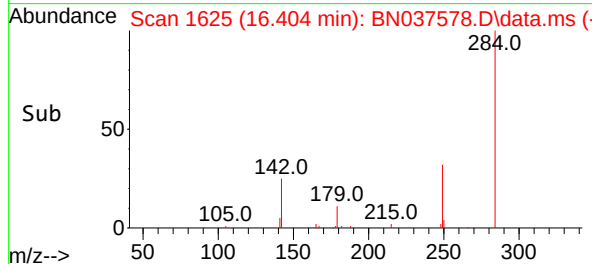
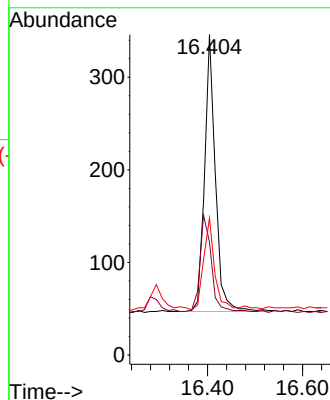
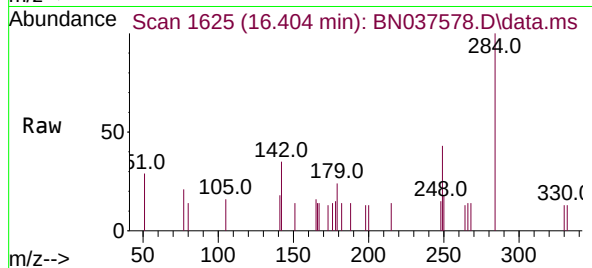
Tgt Ion:284 Resp: 476

Ion Ratio Lower Upper

284 100

142 36.8 29.8 44.6

249 33.4 26.0 39.0



#23

Atrazine

Concen: 0.089 ng

RT: 16.565 min Scan# 1638

Delta R.T. 0.012 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

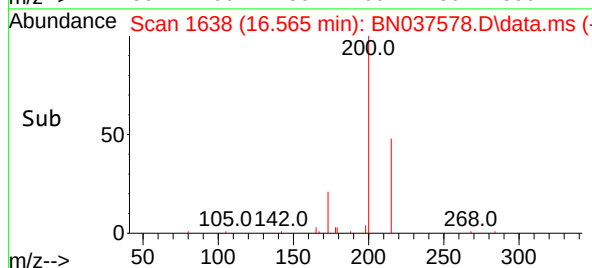
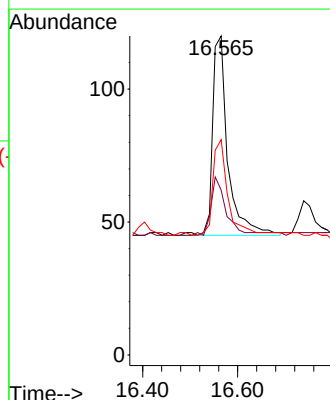
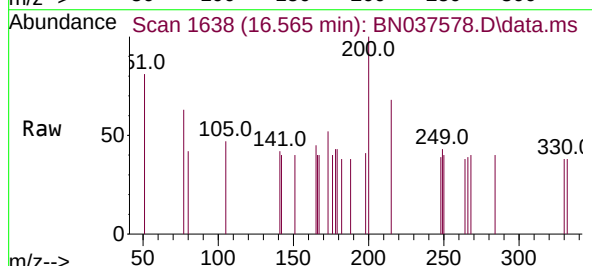
Tgt Ion:200 Resp: 168

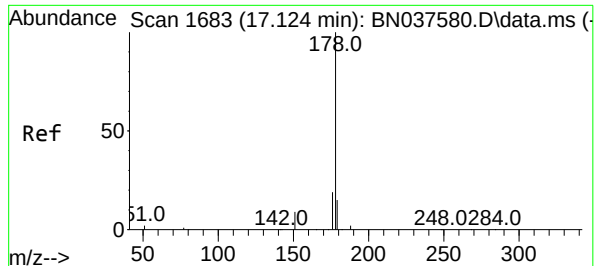
Ion Ratio Lower Upper

200 100

173 51.7 31.0 46.4#

215 67.5 39.4 59.0#

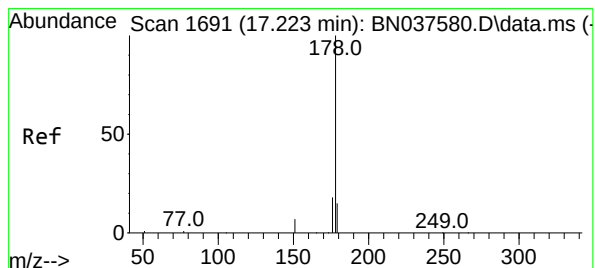
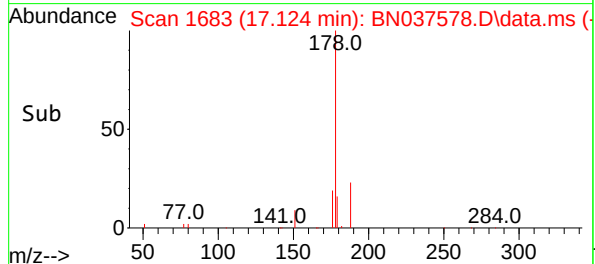
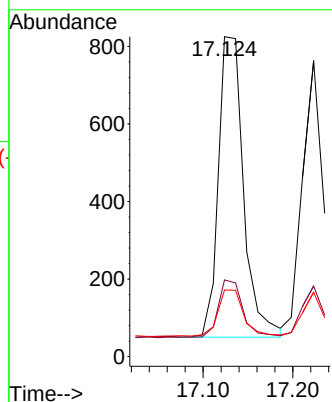
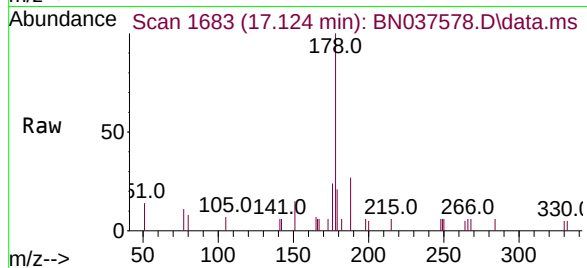




#25
Phenanthrene
Concen: 0.094 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

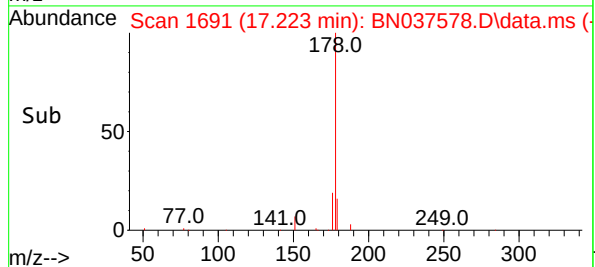
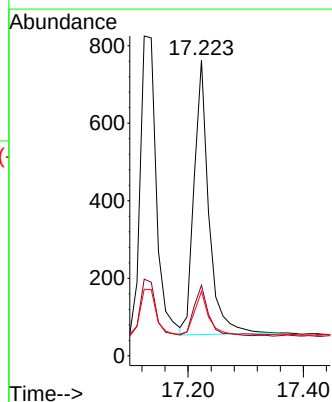
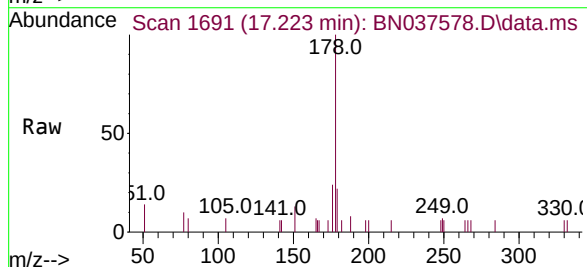
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

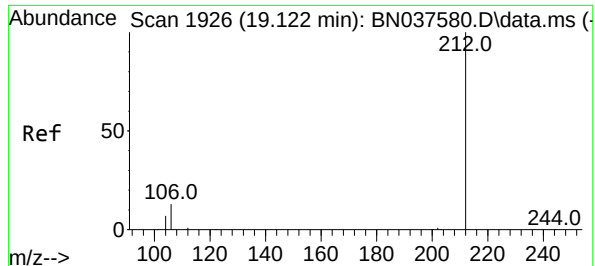
Tgt Ion:178 Resp: 1517
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 16.0 12.3 18.5



#26
Anthracene
Concen: 0.088 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:178 Resp: 1258
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.5 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.089 ng

RT: 19.123 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

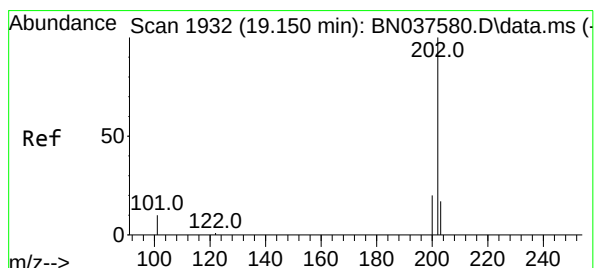
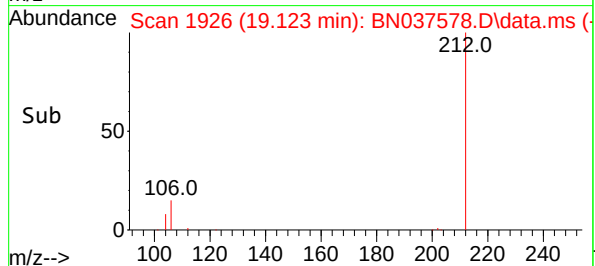
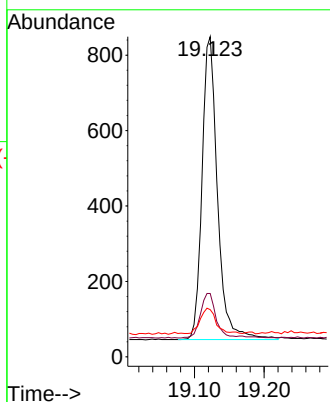
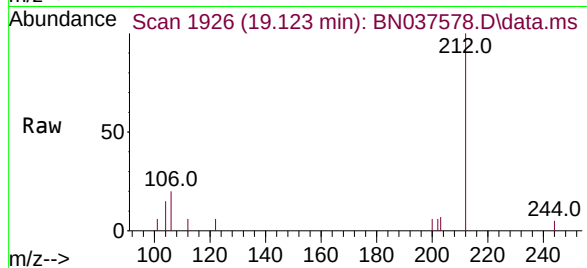
Tgt Ion:212 Resp: 1234

Ion Ratio Lower Upper

212 100

106 14.6 11.5 17.3

104 8.6 6.6 9.8



#28

Fluoranthene

Concen: 0.089 ng

RT: 19.150 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

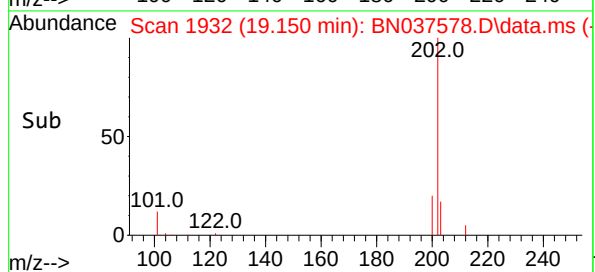
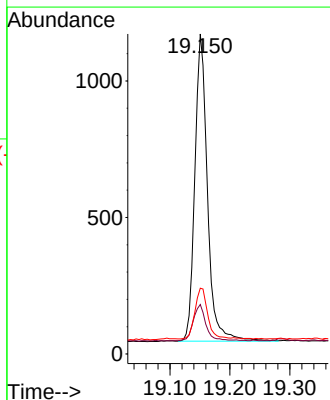
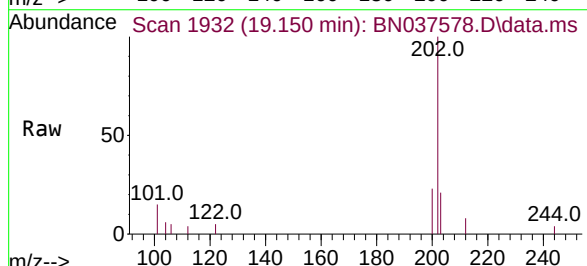
Tgt Ion:202 Resp: 1643

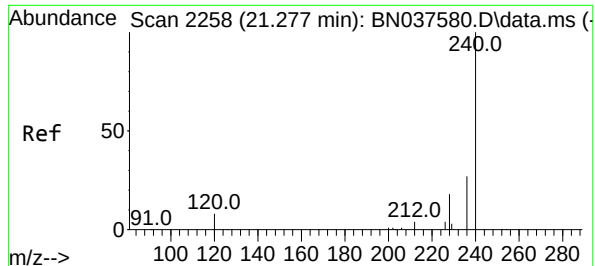
Ion Ratio Lower Upper

202 100

101 11.9 9.0 13.6

203 16.7 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.277 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

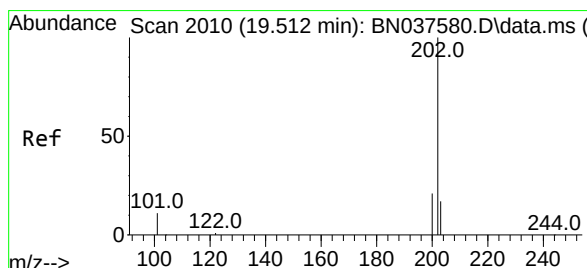
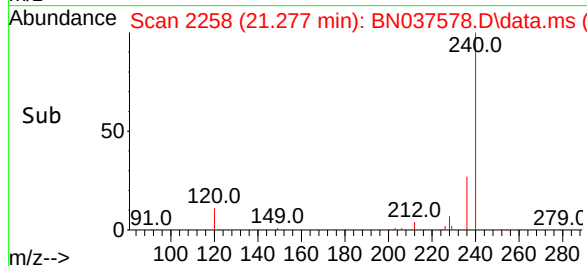
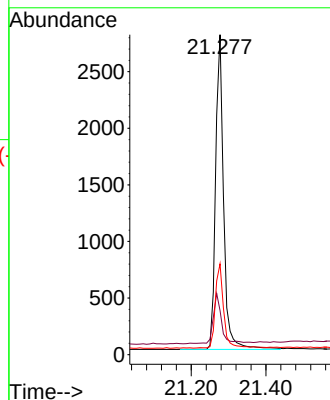
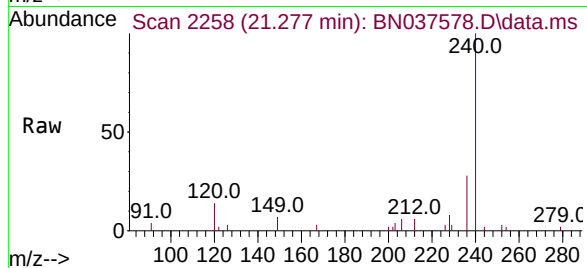
Tgt Ion:240 Resp: 4146

Ion Ratio Lower Upper

240 100

120 13.8 8.9 13.3#

236 28.4 22.6 33.8



#30

Pyrene

Concen: 0.103 ng

RT: 19.513 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

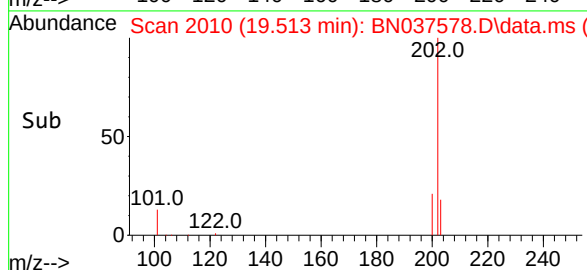
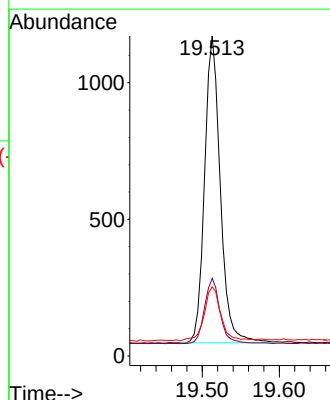
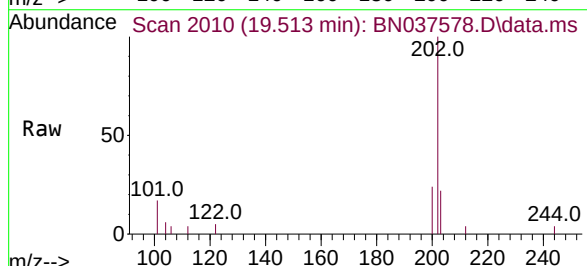
Tgt Ion:202 Resp: 1595

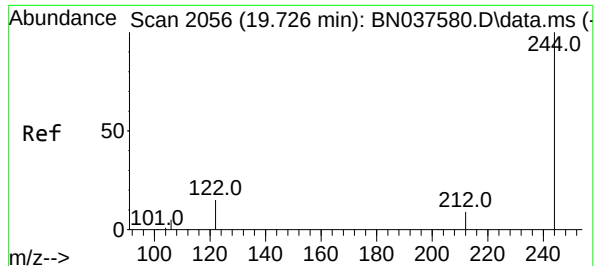
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

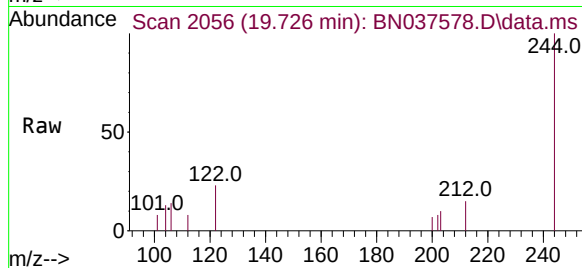
203 18.0 14.3 21.5



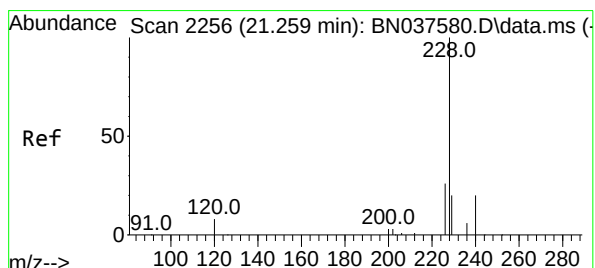
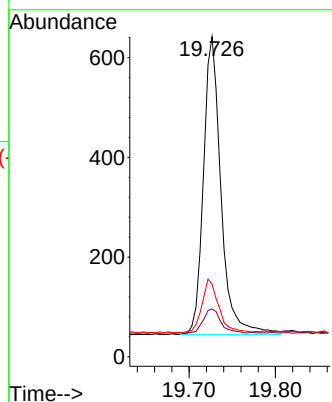


#31
Terphenyl-d14
Concen: 0.099 ng
RT: 19.726 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

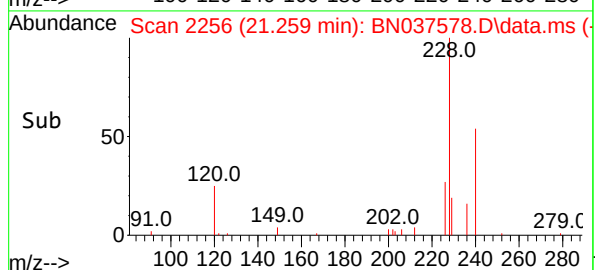
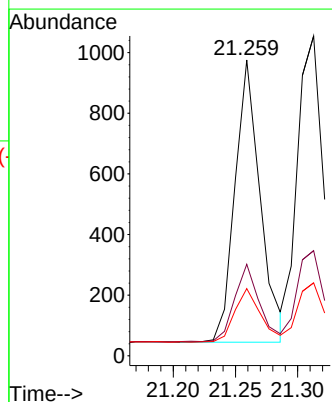
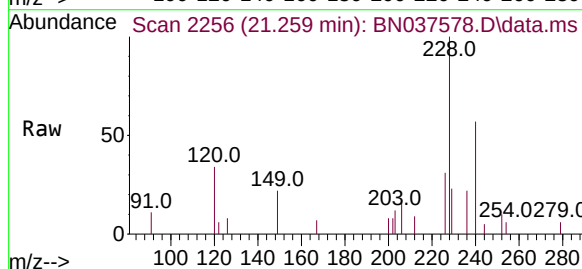


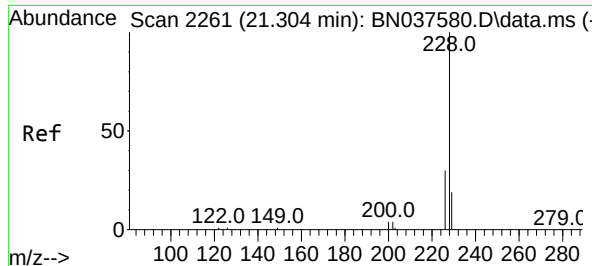
Tgt Ion:244 Resp: 844
Ion Ratio Lower Upper
244 100
212 15.0 8.2 12.2#
122 22.7 13.2 19.8#



#32
Benzo(a)anthracene
Concen: 0.095 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:228 Resp: 1312
Ion Ratio Lower Upper
228 100
226 30.9 21.5 32.3
229 22.7 16.5 24.7





#33

Chrysene

Concen: 0.104 ng

RT: 21.313 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

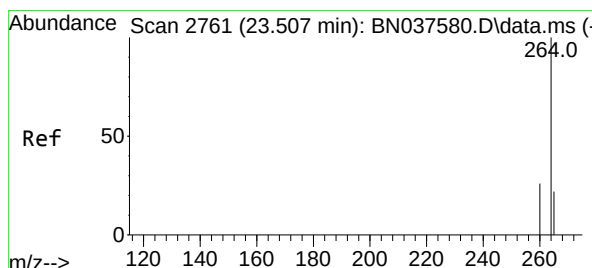
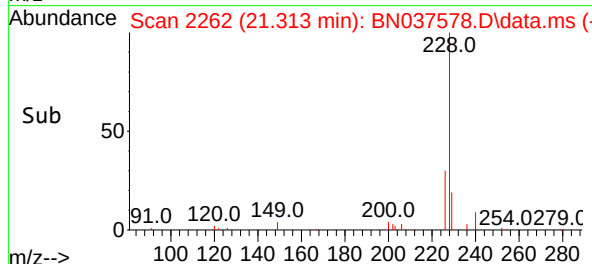
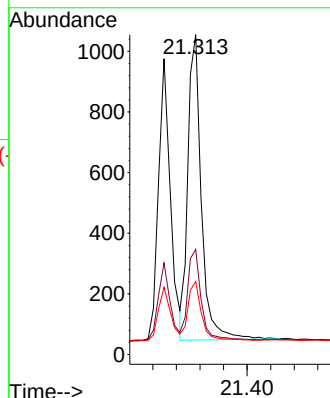
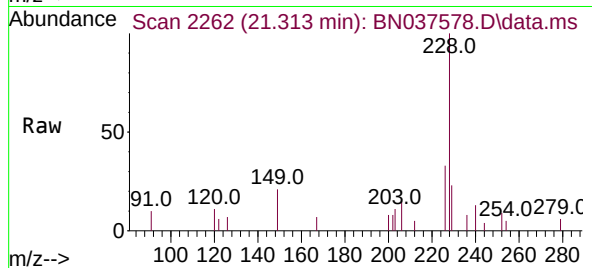
Tgt Ion:228 Resp: 1603

Ion Ratio Lower Upper

228 100

226 32.9 24.9 37.3

229 22.8 15.8 23.8



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.514 min Scan# 2763

Delta R.T. 0.006 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

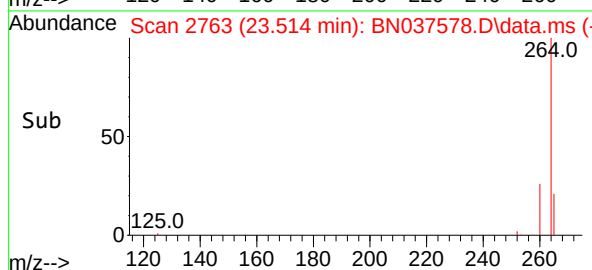
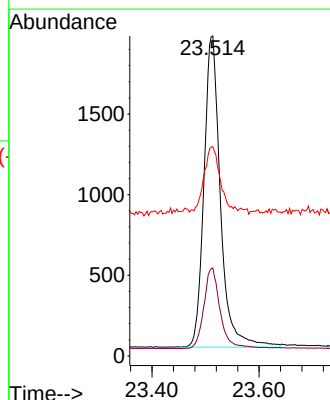
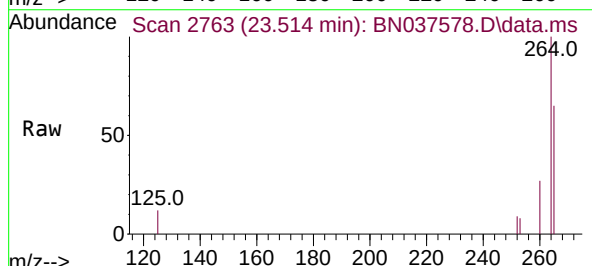
Tgt Ion:264 Resp: 4132

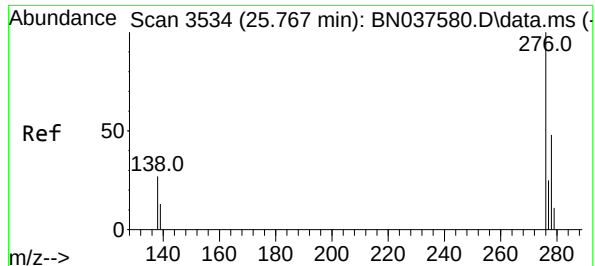
Ion Ratio Lower Upper

264 100

260 27.5 21.6 32.4

265 65.4 48.2 72.4

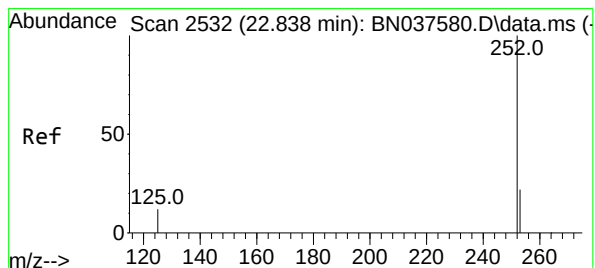
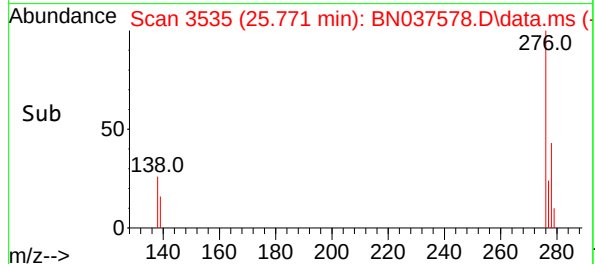
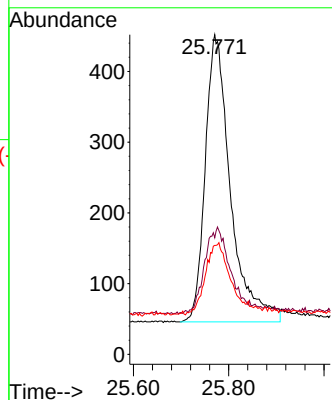
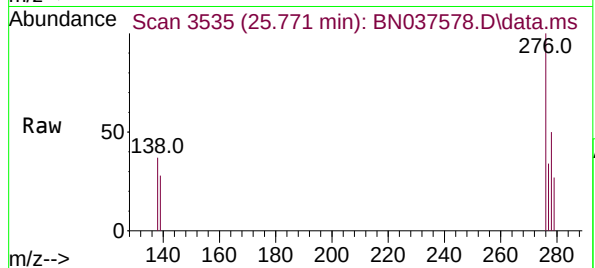




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.086 ng
RT: 25.771 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

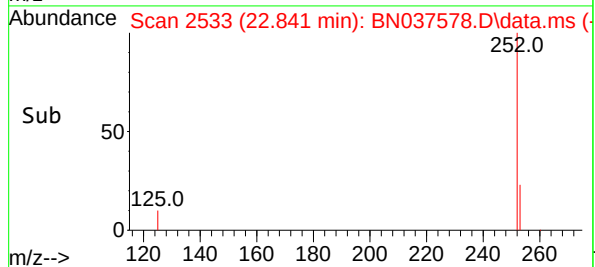
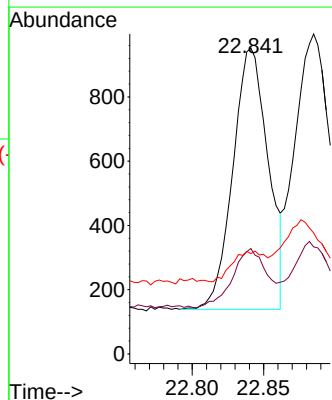
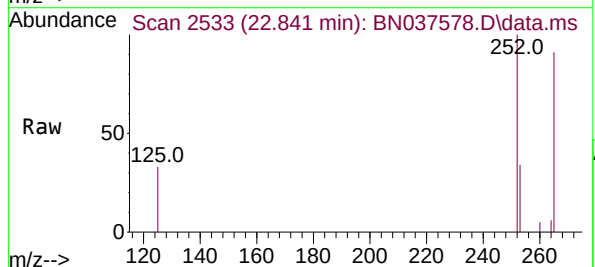
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

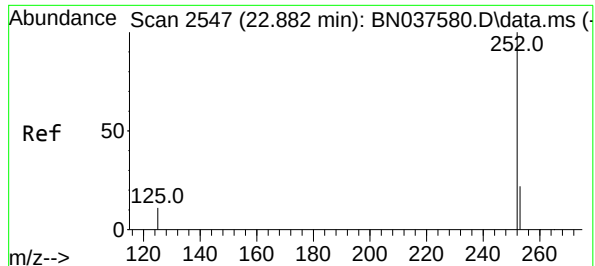
Tgt Ion:276 Resp: 1494
Ion Ratio Lower Upper
276 100
138 29.2 23.3 34.9
277 24.9 19.5 29.3



#37
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.841 min Scan# 2533
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:252 Resp: 1396
Ion Ratio Lower Upper
252 100
253 34.5 20.0 30.0#
125 32.8 13.8 20.6#





#38

Benzo(k)fluoranthene

Concen: 0.093 ng

RT: 22.885 min Scan# 2547

Delta R.T. 0.003 min

Lab File: BN037578.D

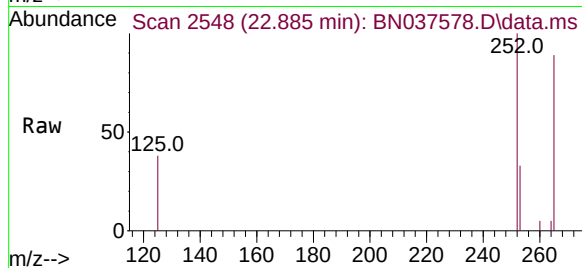
Acq: 12 Aug 2025 16:26

Instrument :

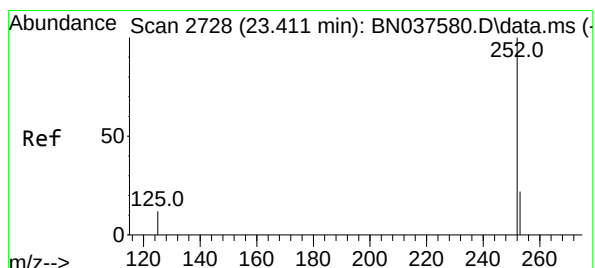
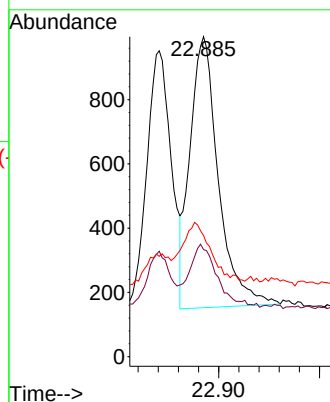
BNA_N

ClientSampleId :

SSTDICC0.1



Tgt Ion:252	Resp:	1650
Ion	Ratio	Lower Upper
252	100	
253	33.4	19.9 29.9#
125	37.9	15.0 22.6#



#39

Benzo(a)pyrene

Concen: 0.091 ng

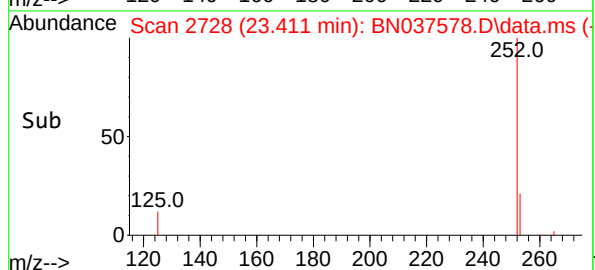
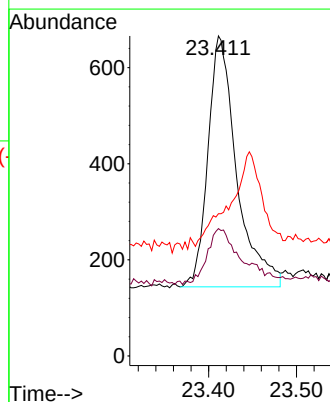
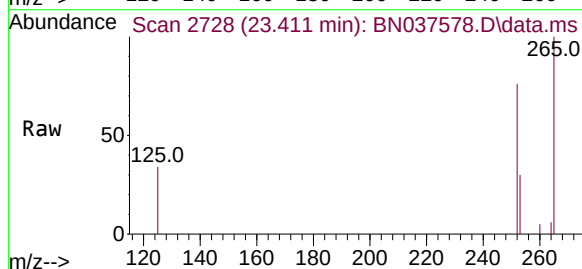
RT: 23.411 min Scan# 2728

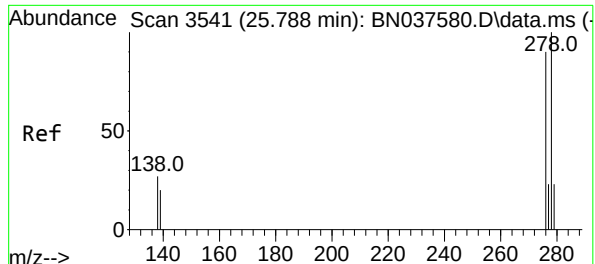
Delta R.T. 0.000 min

Lab File: BN037578.D

Acq: 12 Aug 2025 16:26

Tgt Ion:252	Resp:	1184
Ion	Ratio	Lower Upper
252	100	
253	39.8	21.6 32.4#
125	44.4	16.8 25.2#

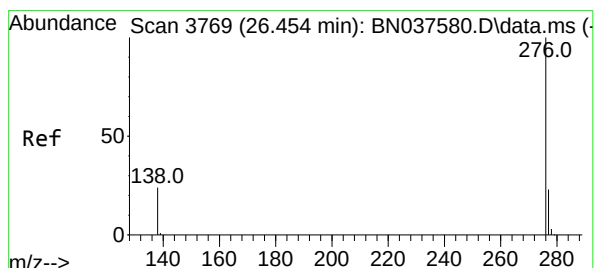
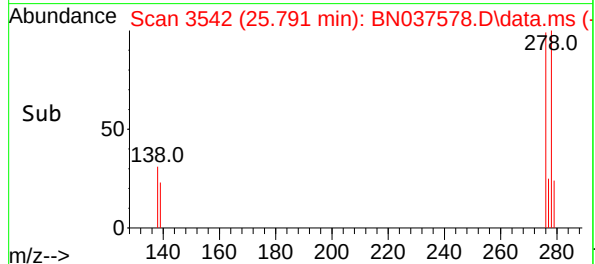
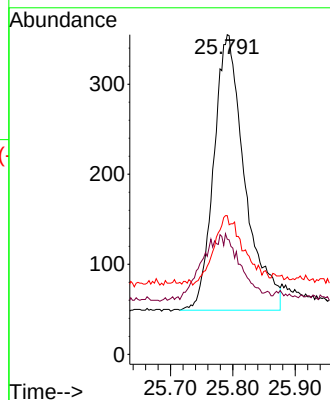
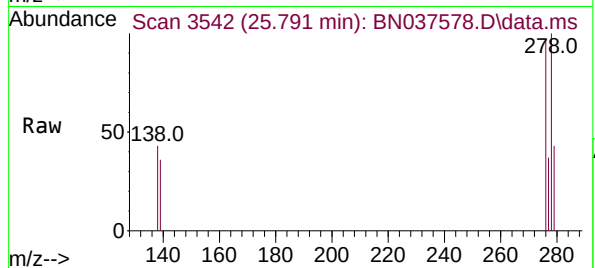




#40
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 25.791 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

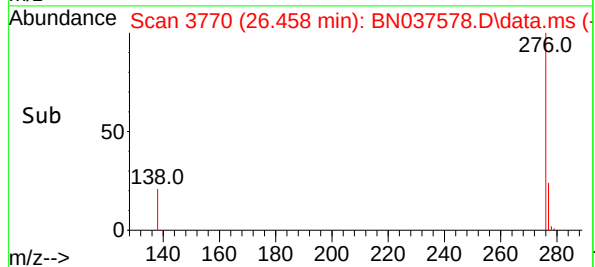
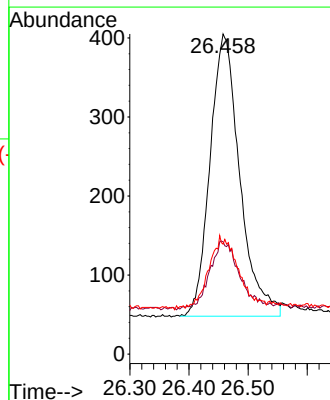
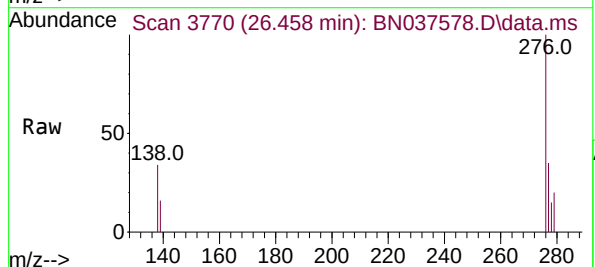
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 1057
Ion Ratio Lower Upper
278 100
139 36.1 18.3 27.5#
279 43.4 22.5 33.7#



#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 26.458 min Scan# 3770
Delta R.T. 0.003 min
Lab File: BN037578.D
Acq: 12 Aug 2025 16:26

Tgt Ion:276 Resp: 1247
Ion Ratio Lower Upper
276 100
277 35.1 21.0 31.4#
138 34.3 21.7 32.5#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037579.D
 Acq On : 12 Aug 2025 17:03
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Aug 13 04:47:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

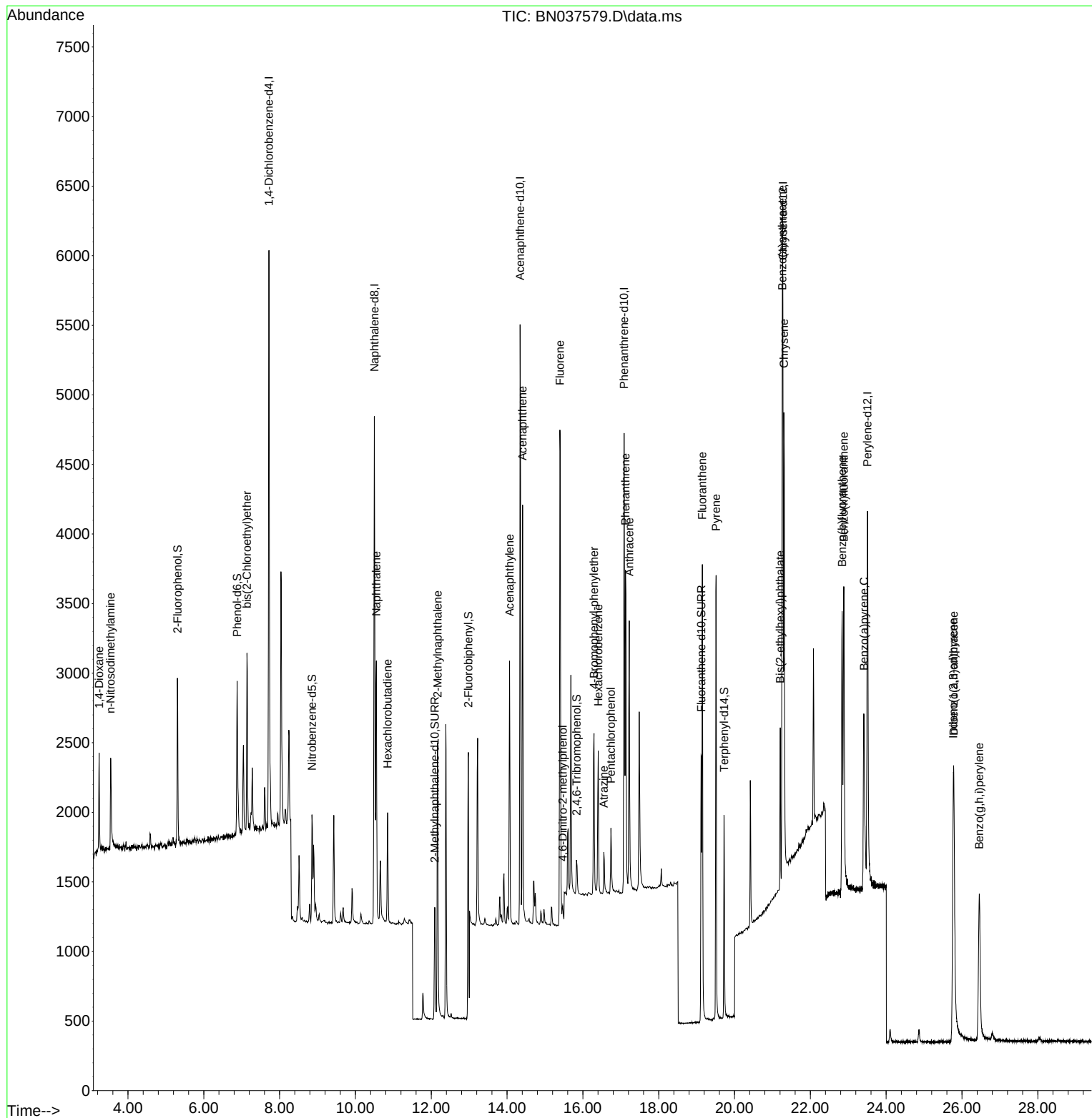
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2031	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4975	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2407	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4812	0.400	ng	0.00
29) Chrysene-d12	21.277	240	4019	0.400	ng	0.00
35) Perylene-d12	23.508	264	3859	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	960	0.209	ng	0.00
5) Phenol-d6	6.879	99	1067	0.193	ng	0.00
8) Nitrobenzene-d5	8.854	82	640	0.183	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	1225	0.181	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	179	0.170	ng	0.00
15) 2-Fluorobiphenyl	12.978	172	2700	0.194	ng	0.00
27) Fluoranthene-d10	19.123	212	2323	0.184	ng	0.00
31) Terphenyl-d14	19.726	244	1609	0.195	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	419	0.216	ng	96
3) n-Nitrosodimethylamine	3.543	42	478	0.193	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	1002	0.201	ng	99
9) Naphthalene	10.552	128	2613	0.197	ng	96
10) Hexachlorobutadiene	10.851	225	641	0.198	ng	# 99
12) 2-Methylnaphthalene	12.167	142	1570	0.189	ng	98
16) Acenaphthylene	14.067	152	2118	0.196	ng	100
17) Acenaphthene	14.409	154	1384	0.189	ng	98
18) Fluorene	15.393	166	1817	0.189	ng	98
20) 4,6-Dinitro-2-methylph...	15.467	198	100	0.295	ng	# 58
21) 4-Bromophenyl-phenylether	16.292	248	567	0.187	ng	97
22) Hexachlorobenzene	16.404	284	865	0.202	ng	99
23) Atrazine	16.553	200	303	0.177	ng	# 83
24) Pentachlorophenol	16.739	266	260	0.173	ng	95
25) Phenanthrene	17.124	178	2796	0.191	ng	99
26) Anthracene	17.223	178	2371	0.183	ng	99
28) Fluoranthene	19.150	202	3041	0.181	ng	99
30) Pyrene	19.513	202	2987	0.199	ng	99
32) Benzo(a)anthracene	21.259	228	2563	0.191	ng	97
33) Chrysene	21.304	228	3045	0.204	ng	98
34) Bis(2-ethylhexyl)phtha...	21.205	149	1040	0.188	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.771	276	2821	0.173	ng	98
37) Benzo(b)fluoranthene	22.838	252	2653	0.181	ng	# 91
38) Benzo(k)fluoranthene	22.882	252	3049	0.185	ng	# 90
39) Benzo(a)pyrene	23.414	252	2191	0.181	ng	# 83
40) Dibenzo(a,h)anthracene	25.785	278	2157	0.171	ng	# 89
41) Benzo(g,h,i)perylene	26.455	276	2459	0.185	ng	93

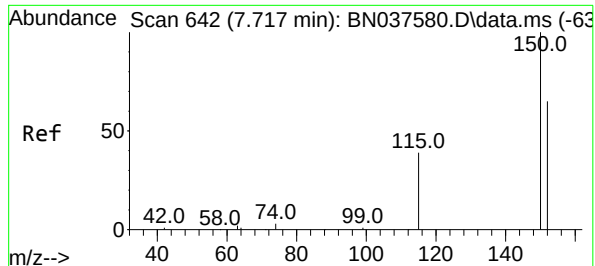
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037579.D
Acq On : 12 Aug 2025 17:03
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

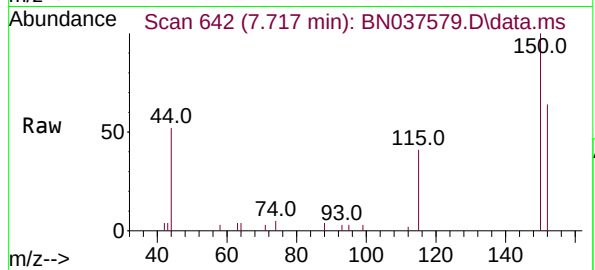
Quant Time: Aug 13 04:47:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration



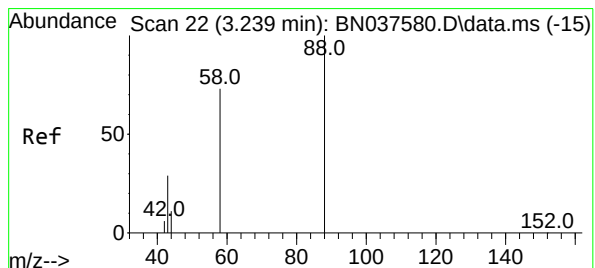
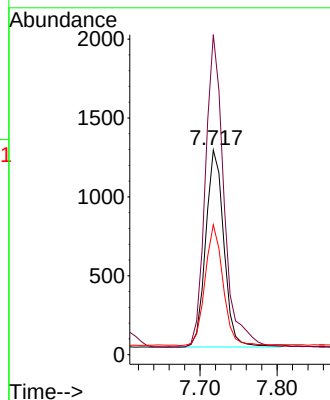
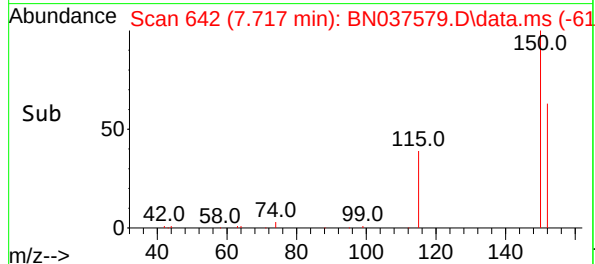


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

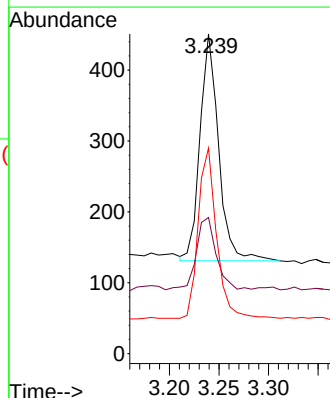
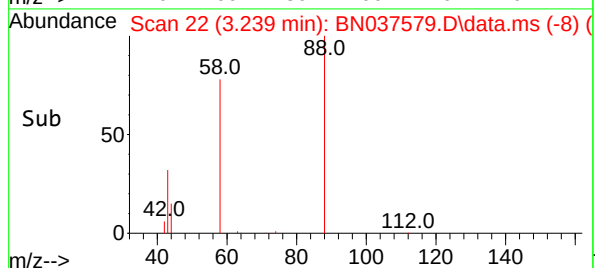
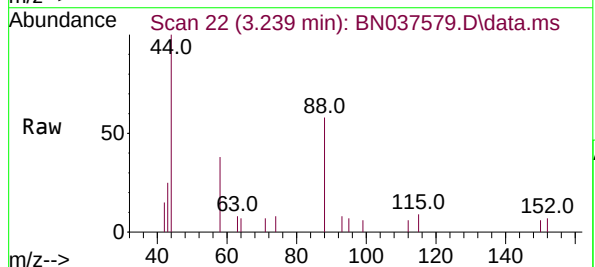


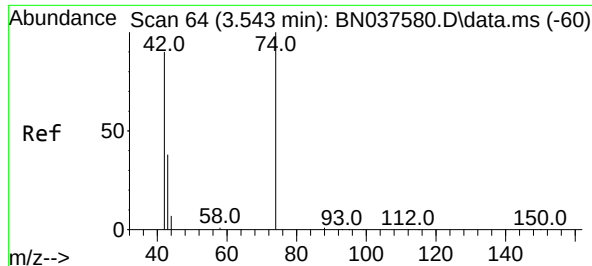
Tgt Ion: 152 Resp: 2031
Ion Ratio Lower Upper
152 100
150 156.4 122.2 183.4
115 63.5 49.8 74.6



#2
1,4-Dioxane
Concen: 0.216 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion: 88 Resp: 419
Ion Ratio Lower Upper
88 100
43 34.8 25.8 38.6
58 73.7 61.2 91.8

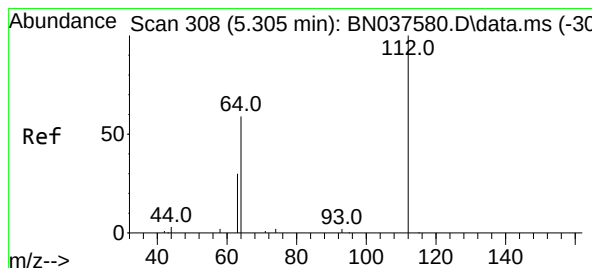
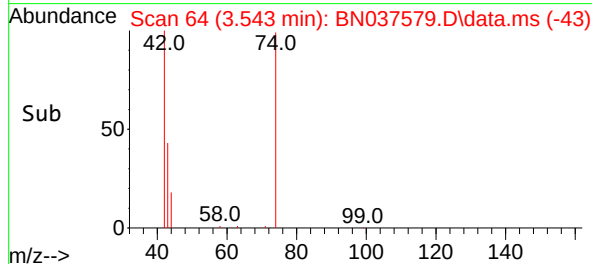
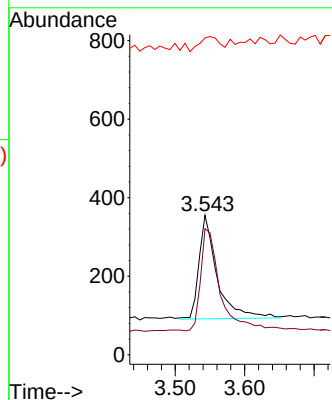
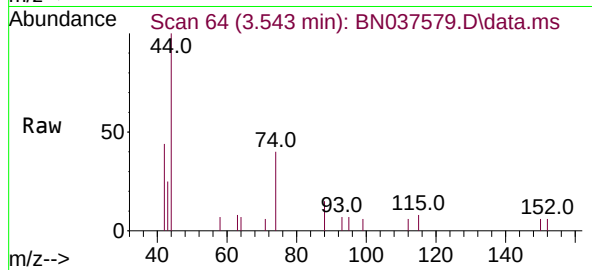




#3
n-Nitrosodimethylamine
Concen: 0.193 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

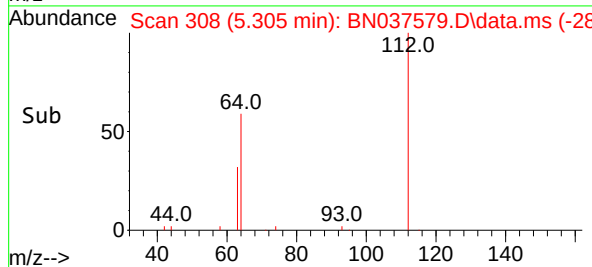
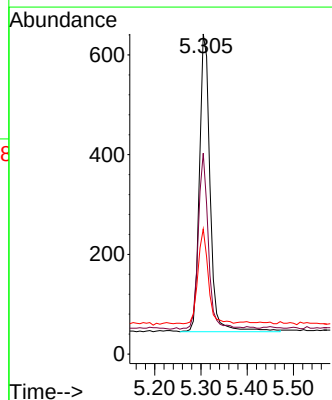
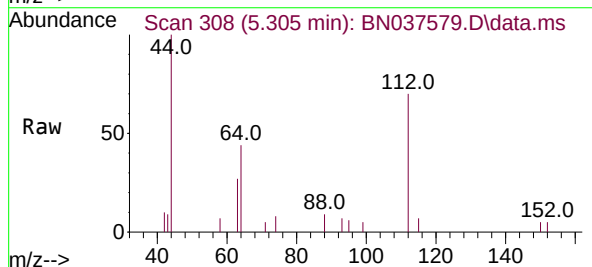
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

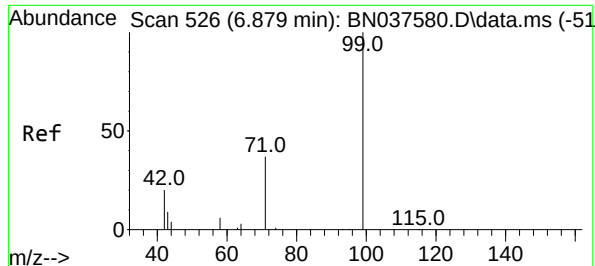
Tgt Ion: 42 Resp: 478
Ion Ratio Lower Upper
42 100
74 107.5 82.0 123.0
44 15.7 7.9 11.9#



#4
2-Fluorophenol
Concen: 0.209 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion: 112 Resp: 960
Ion Ratio Lower Upper
112 100
64 56.3 44.9 67.3
63 30.9 23.4 35.2

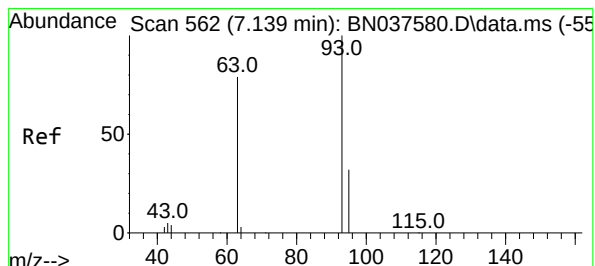
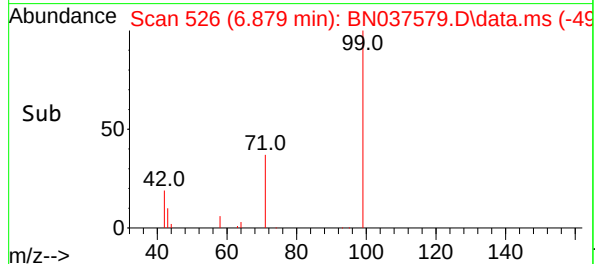
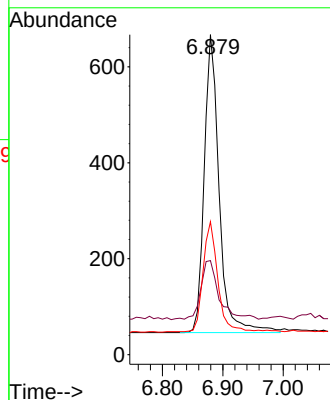
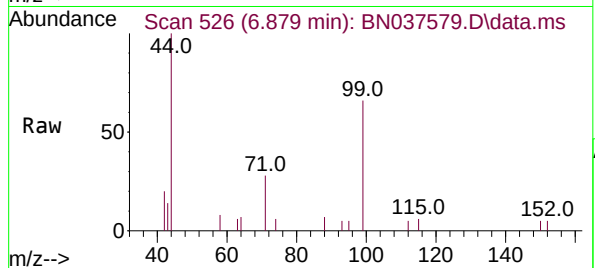




#5
Phenol-d6
Concen: 0.193 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

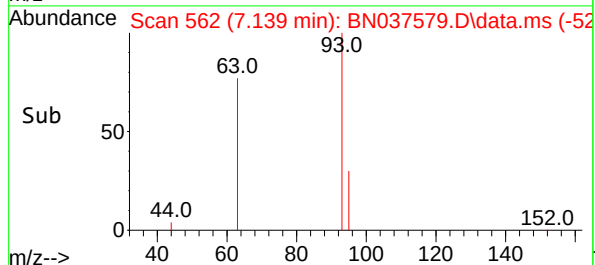
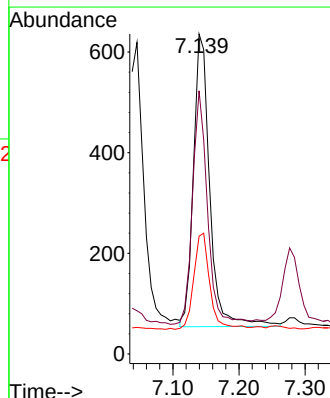
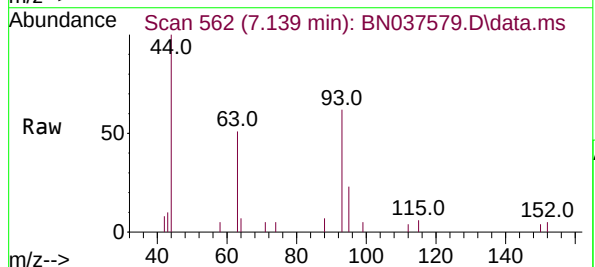
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

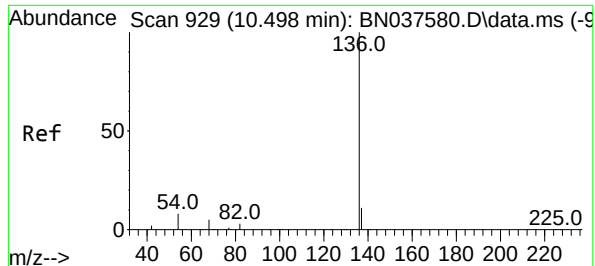
Tgt Ion: 99 Resp: 1067
Ion Ratio Lower Upper
99 100
42 24.4 18.5 27.7
71 35.7 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 0.201 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion: 93 Resp: 1002
Ion Ratio Lower Upper
93 100
63 73.4 58.0 87.0
95 32.5 24.9 37.3

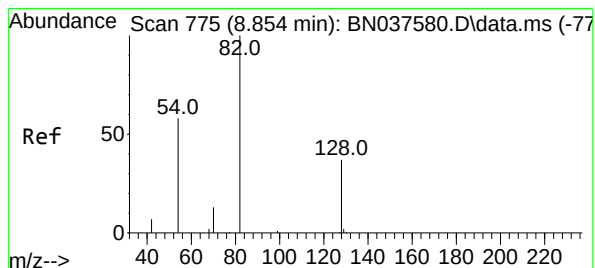
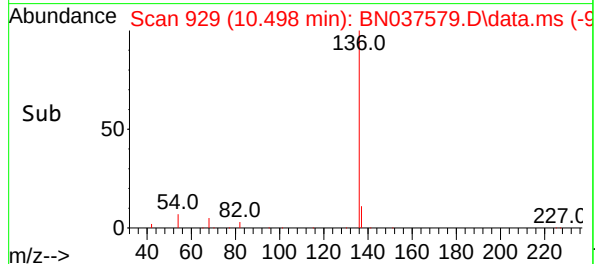
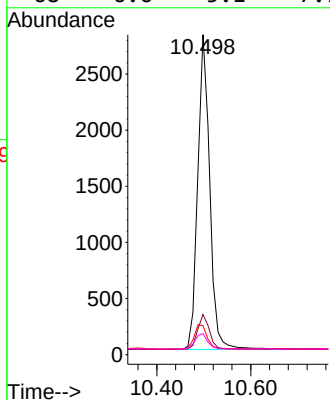
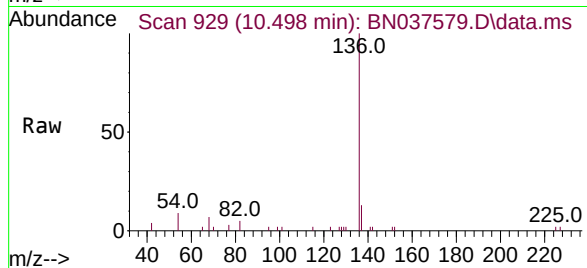




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

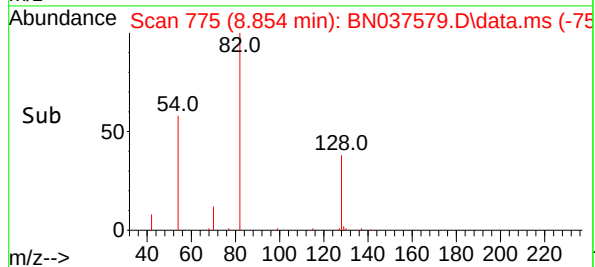
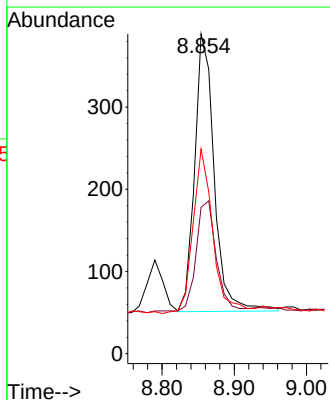
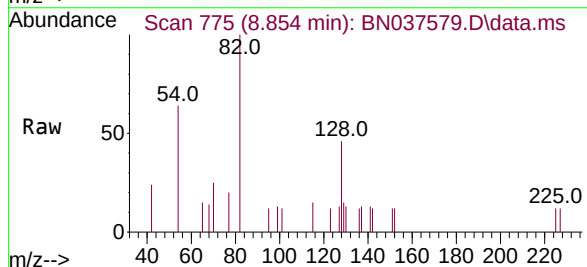
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

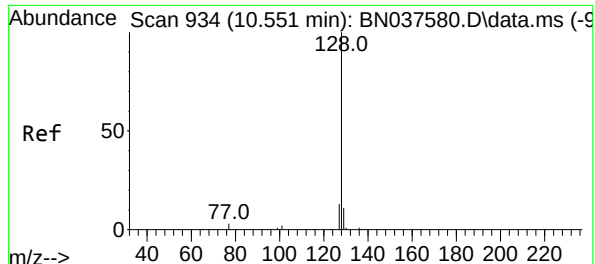
Tgt Ion:	136	Resp:	4975
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	9.0	7.3	10.9
68	6.6	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.183 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:	82	Resp:	640
Ion	Ratio	Lower	Upper
82	100		
128	45.8	32.6	48.8
54	64.0	48.9	73.3

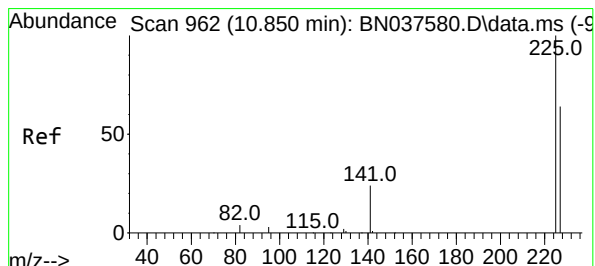
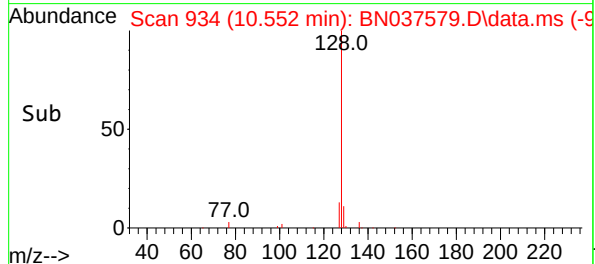
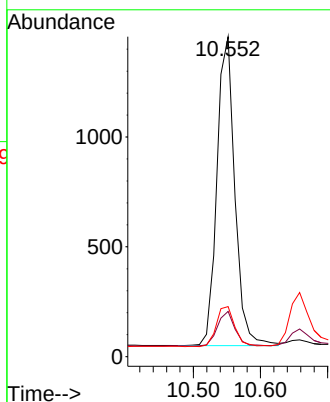
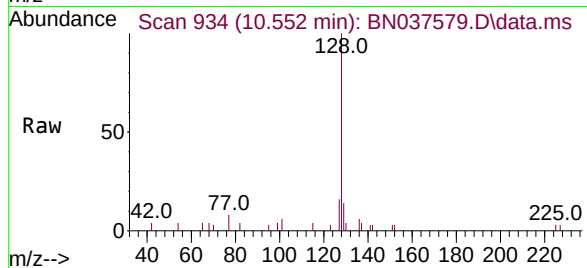




#9
Naphthalene
Concen: 0.197 ng
RT: 10.552 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

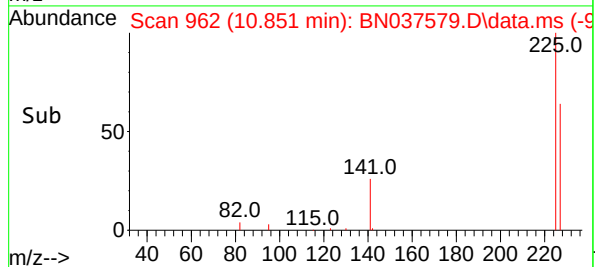
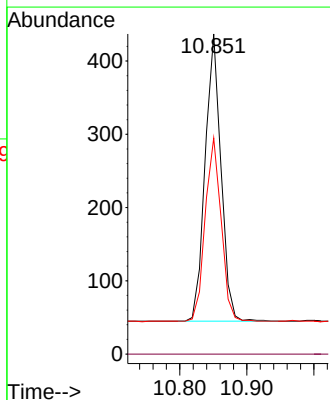
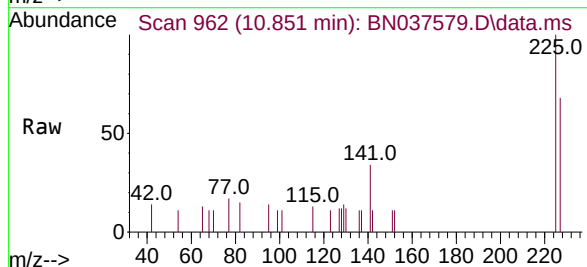
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

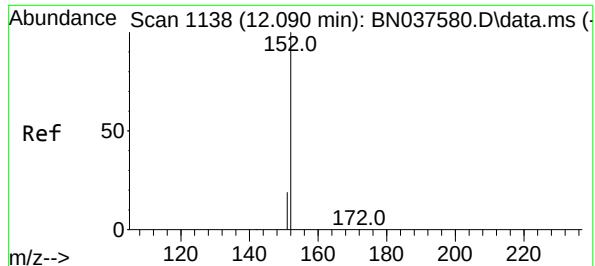
Tgt Ion:128 Resp: 2613
Ion Ratio Lower Upper
128 100
129 14.1 9.8 14.6
127 15.6 11.5 17.3



#10
Hexachlorobutadiene
Concen: 0.198 ng
RT: 10.851 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:225 Resp: 641
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 50.8 76.2

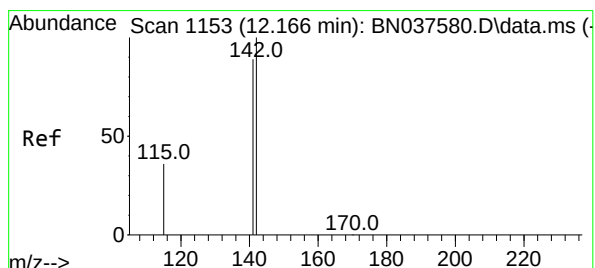
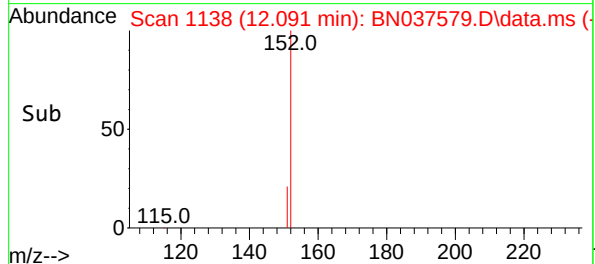
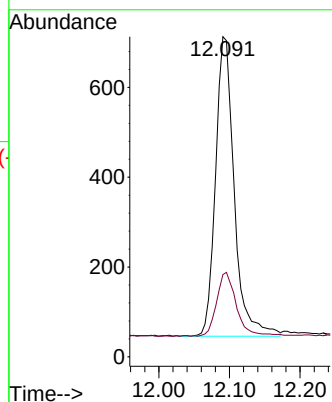
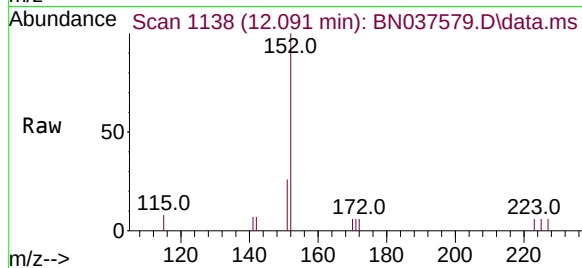




#11
2-Methylnaphthalene-d10
Concen: 0.181 ng
RT: 12.091 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

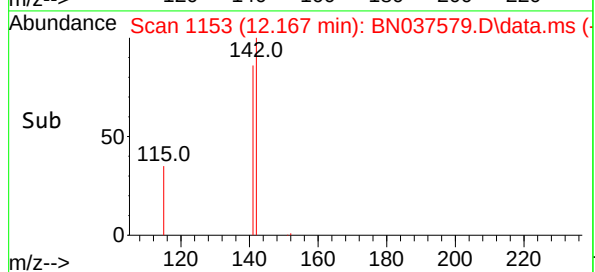
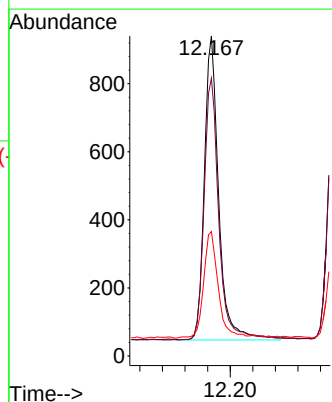
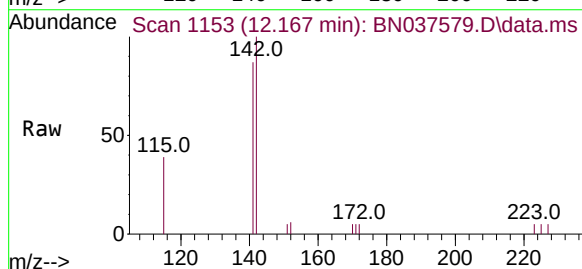
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

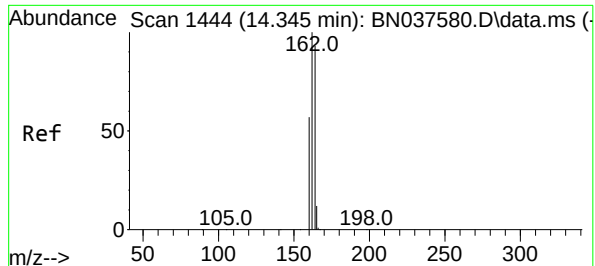
Tgt Ion:152 Resp: 1225
Ion Ratio Lower Upper
152 100
151 22.7 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.189 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:142 Resp: 1570
Ion Ratio Lower Upper
142 100
141 86.8 71.4 107.0
115 38.9 30.2 45.4

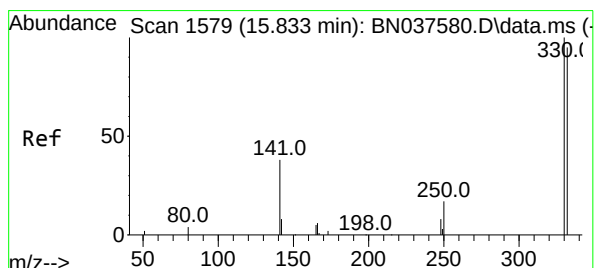
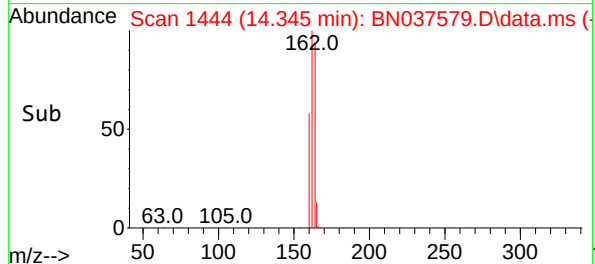
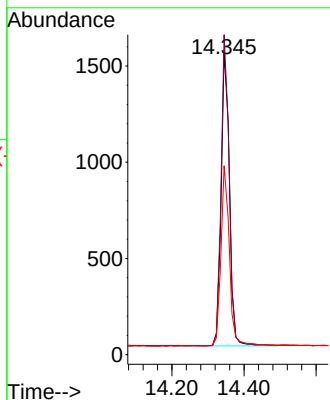
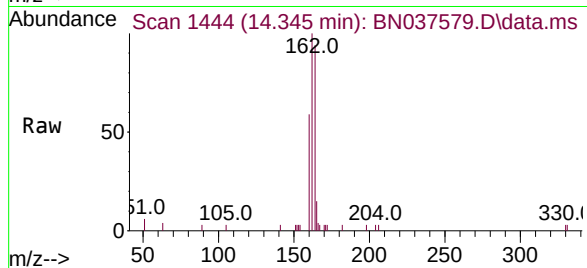




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

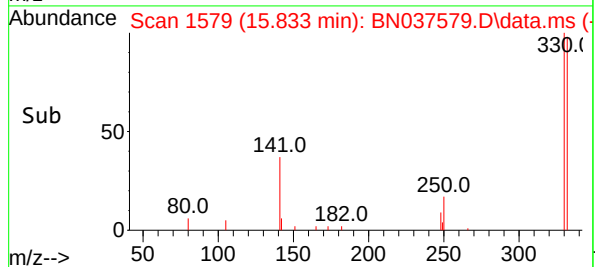
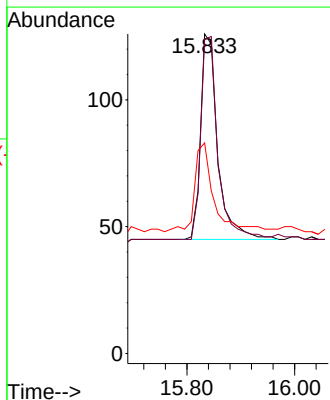
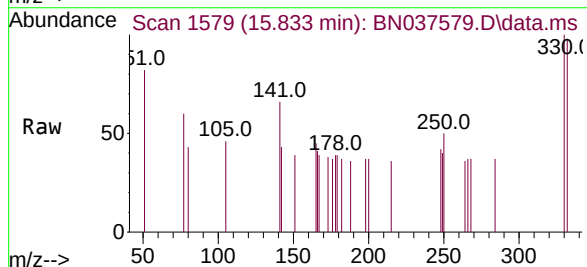
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

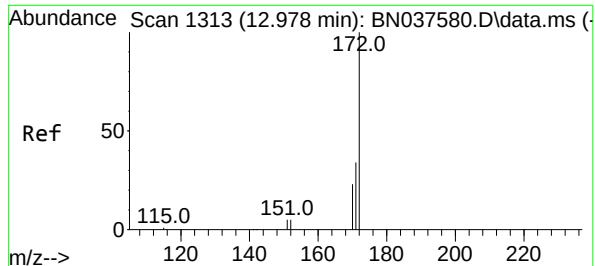
Tgt Ion:164 Resp: 2407
Ion Ratio Lower Upper
164 100
162 106.0 85.5 128.3
160 62.6 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.170 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:330 Resp: 179
Ion Ratio Lower Upper
330 100
332 98.9 77.4 116.0
141 48.0 30.9 46.3#

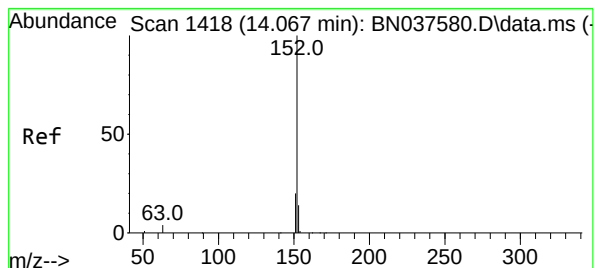
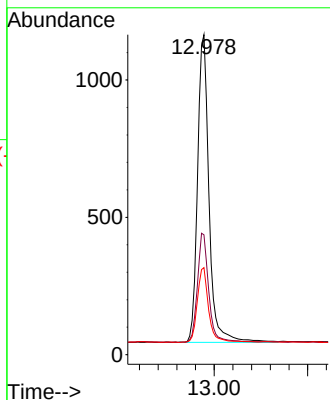
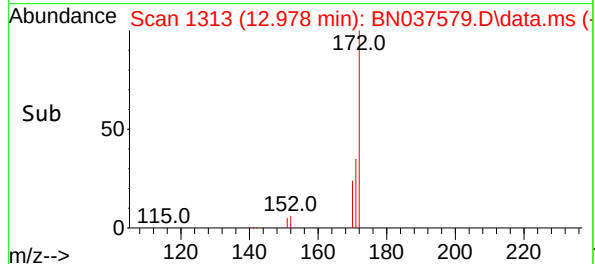
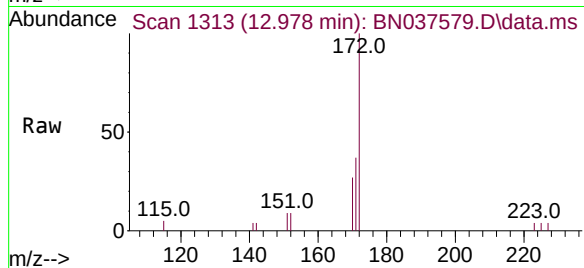




#15
2-Fluorobiphenyl
Concen: 0.194 ng
RT: 12.978 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

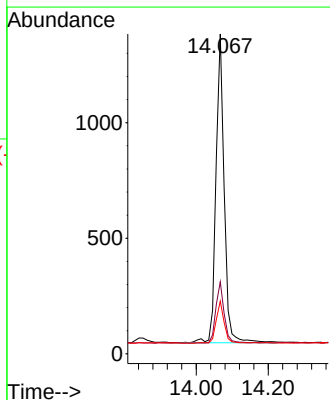
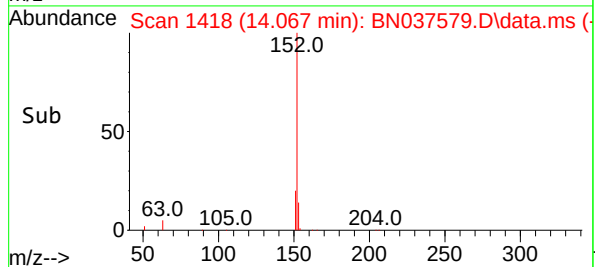
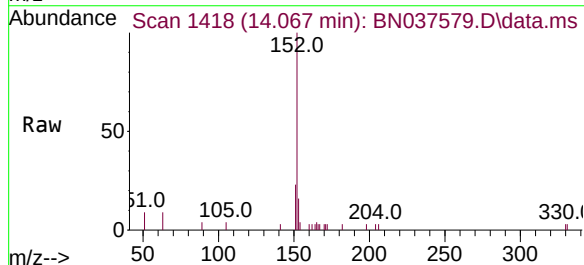
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

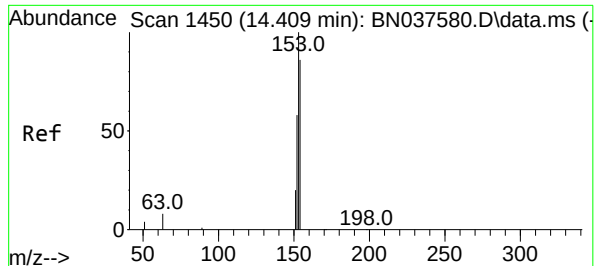
Tgt Ion:172 Resp: 2700
Ion Ratio Lower Upper
172 100
171 37.4 28.2 42.4
170 27.2 19.2 28.8



#16
Acenaphthylene
Concen: 0.196 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:152 Resp: 2118
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1
153 13.3 10.7 16.1

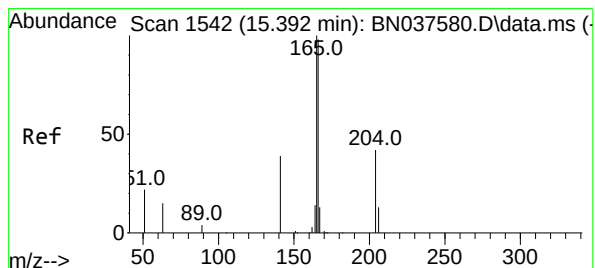
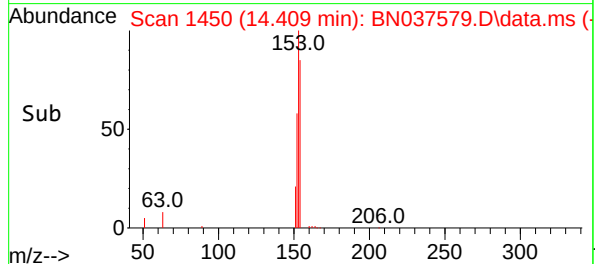
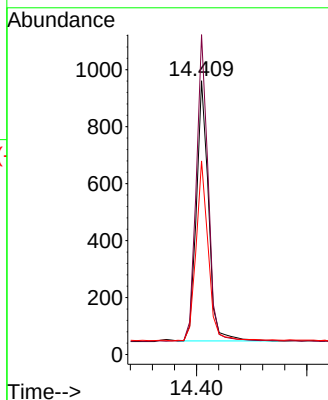
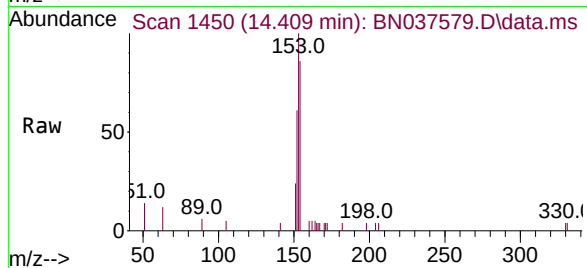




#17
Acenaphthene
Concen: 0.189 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

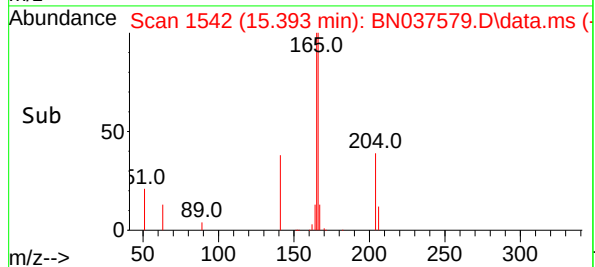
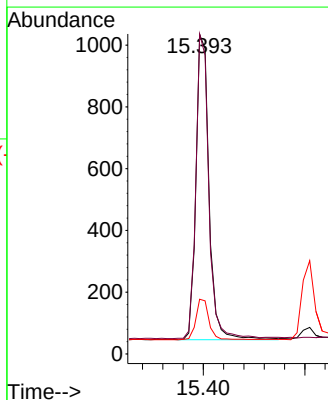
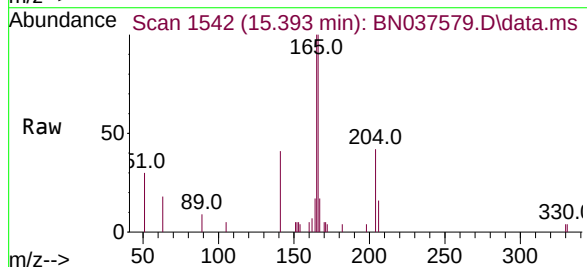
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

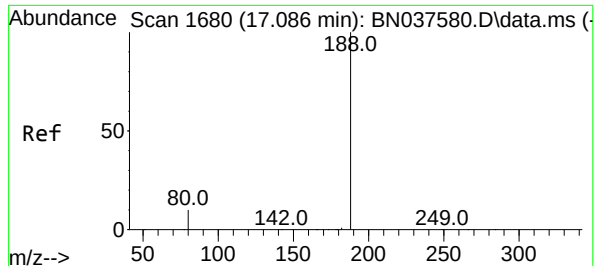
Tgt Ion	154	Resp	1384
Ion Ratio	Lower	Upper	
154	100		
153	115.7	90.6	135.8
152	70.7	54.9	82.3



#18
Fluorene
Concen: 0.189 ng
RT: 15.393 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion	166	Resp	1817
Ion Ratio	Lower	Upper	
166	100		
165	96.0	78.9	118.3
167	12.9	10.7	16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

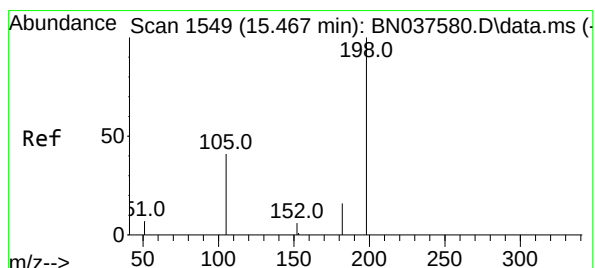
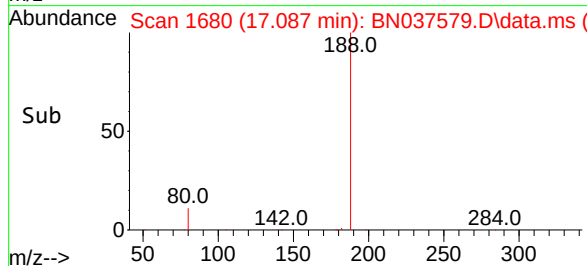
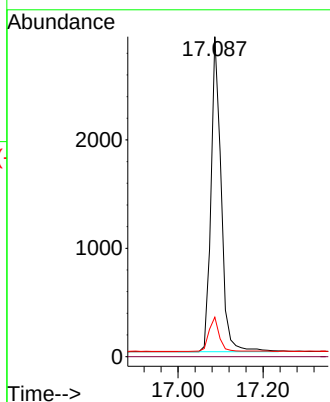
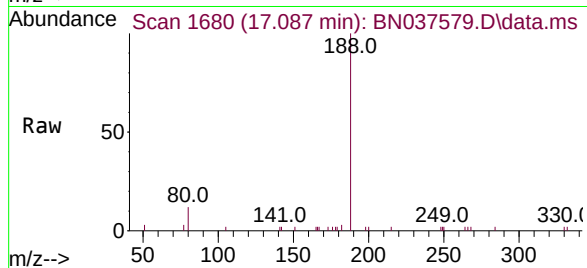
Tgt Ion:188 Resp: 4812

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.295 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

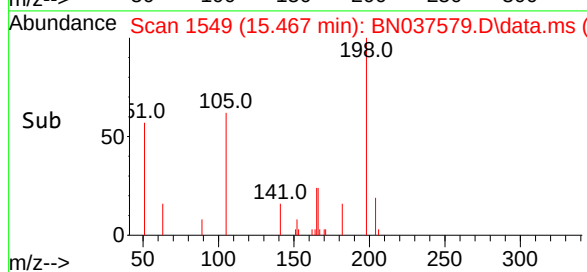
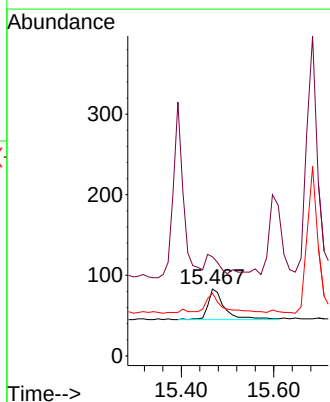
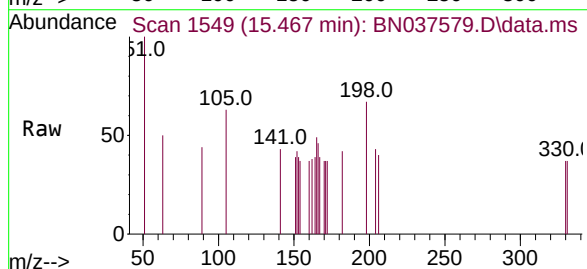
Tgt Ion:198 Resp: 100

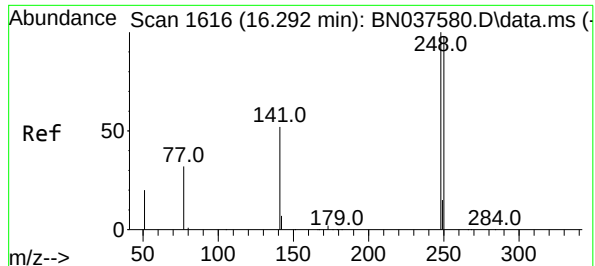
Ion Ratio Lower Upper

198 100

51 148.2 81.0 121.6#

105 94.0 52.5 78.7#

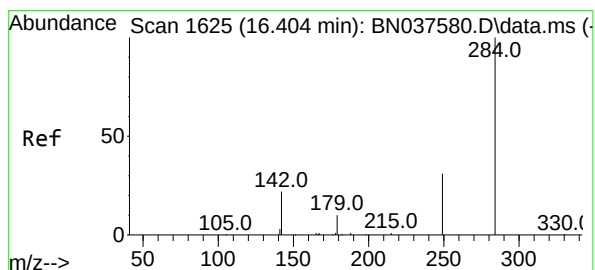
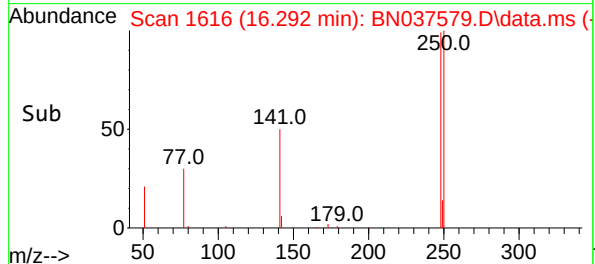
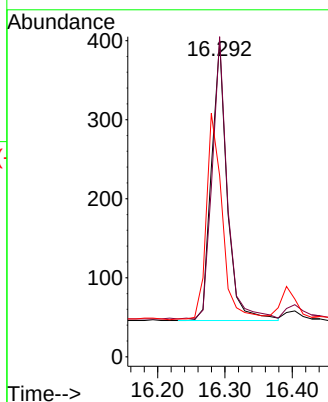
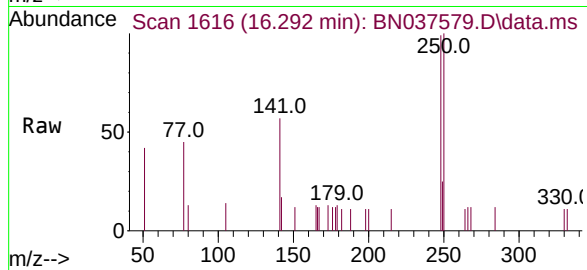




#21
4-Bromophenyl-phenylether
Concen: 0.187 ng
RT: 16.292 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

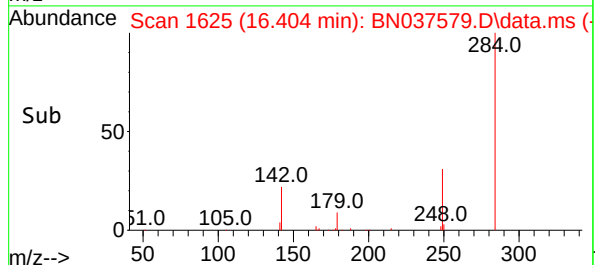
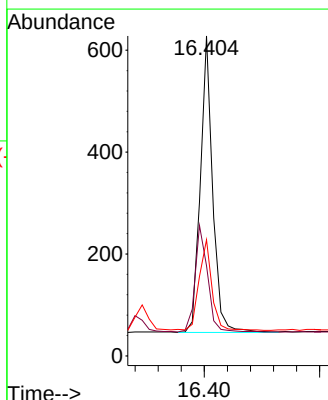
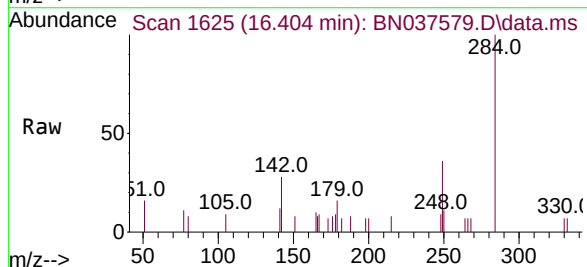
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

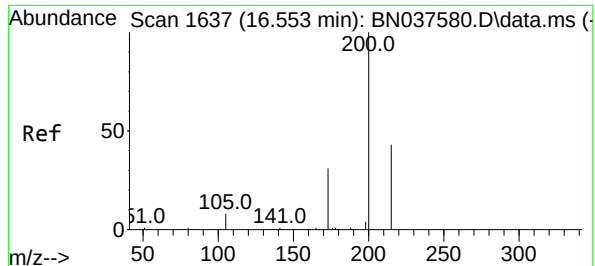
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.3	78.6	118.0
141	57.3	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.202 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.8	44.6
249	32.6	26.0	39.0

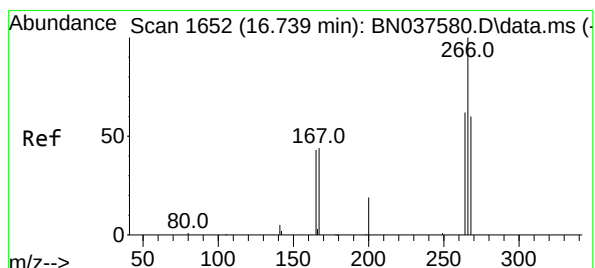
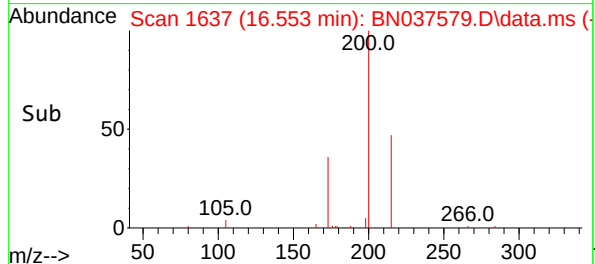
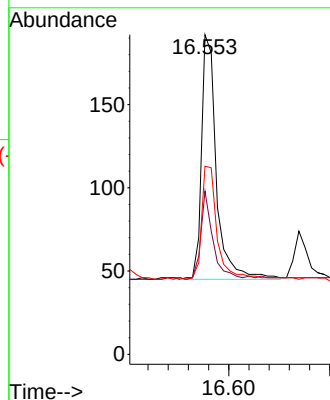
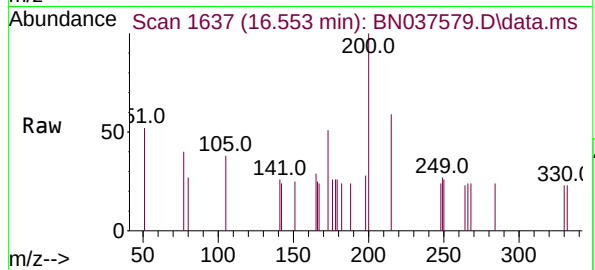




#23
Atrazine
Concen: 0.177 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

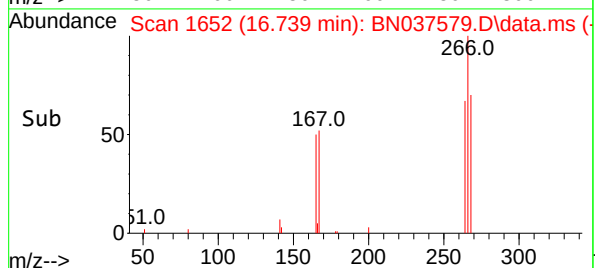
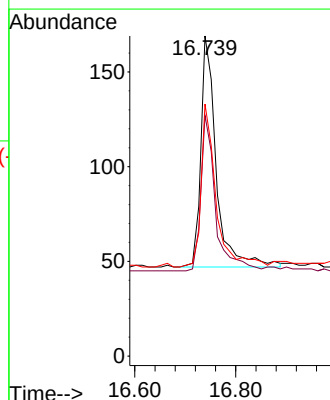
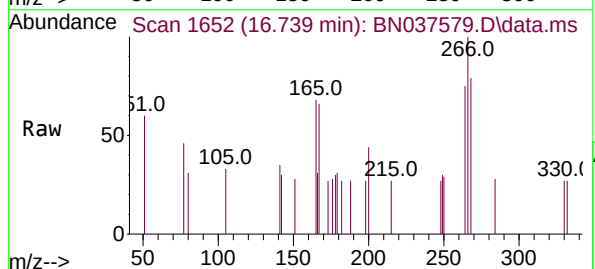
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

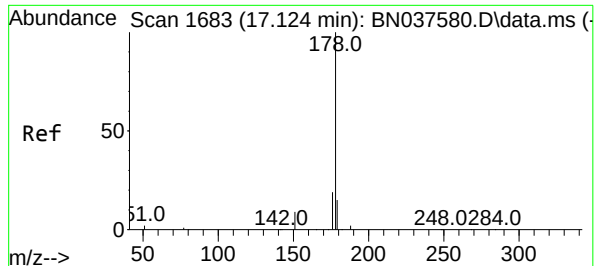
Tgt Ion:200 Resp: 303
Ion Ratio Lower Upper
200 100
173 51.0 31.0 46.4#
215 58.9 39.4 59.0



#24
Pentachlorophenol
Concen: 0.173 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:266 Resp: 260
Ion Ratio Lower Upper
266 100
264 63.5 49.6 74.4
268 68.1 49.2 73.8

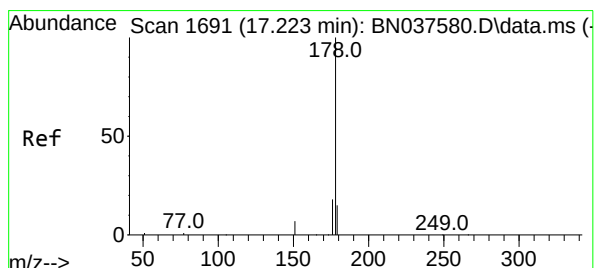
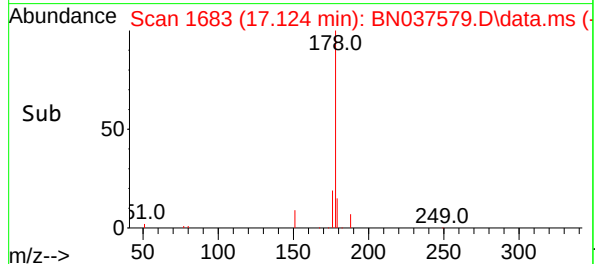
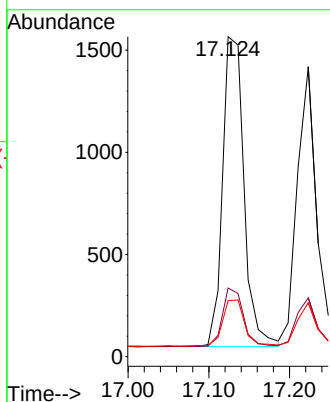
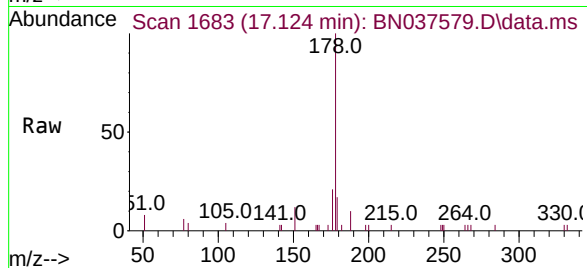




#25
Phenanthrene
Concen: 0.191 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

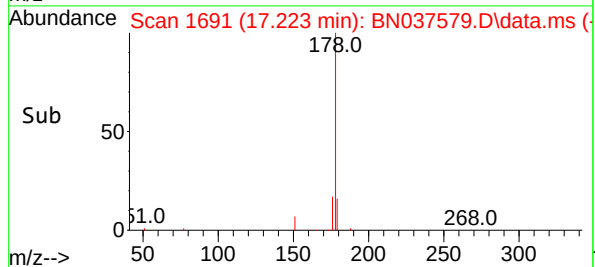
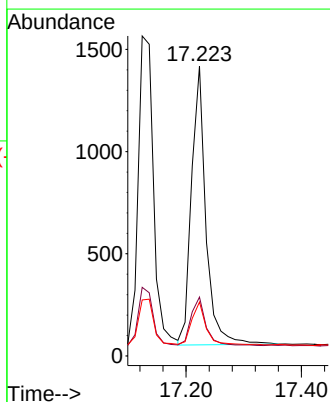
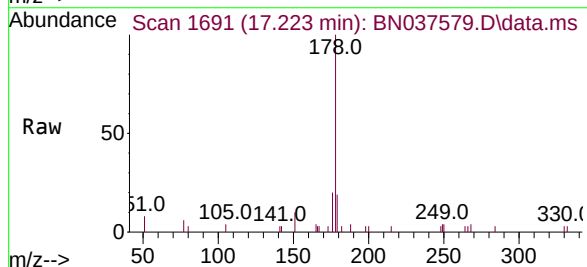
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

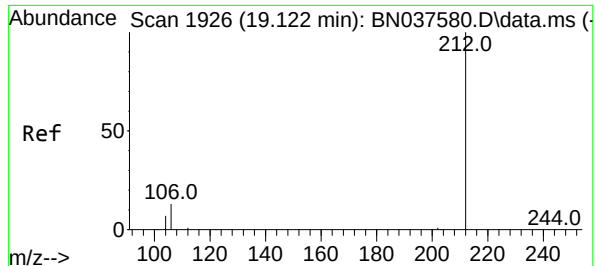
Tgt Ion	178	176	179
Resp:	2796		
Ratio	100	18.5	15.2
Lower		15.0	12.3
Upper		22.6	18.5



#26
Anthracene
Concen: 0.183 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion	178	176	179
Resp:	2371		
Ratio	100	18.0	15.4
Lower		14.7	12.3
Upper		22.1	18.5





#27

Fluoranthene-d10

Concen: 0.184 ng

RT: 19.123 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

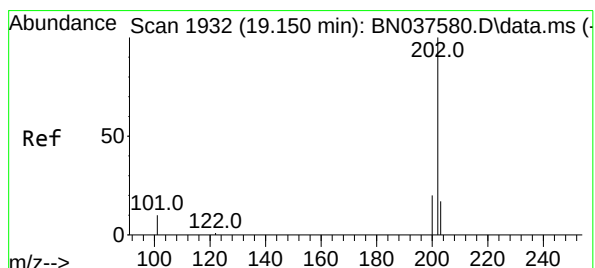
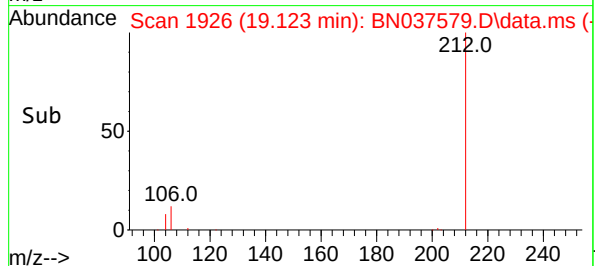
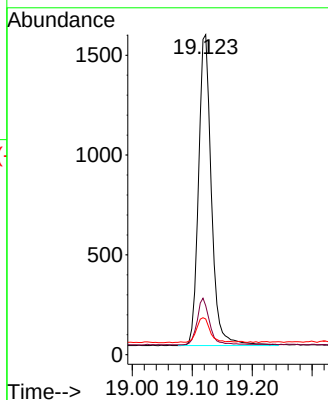
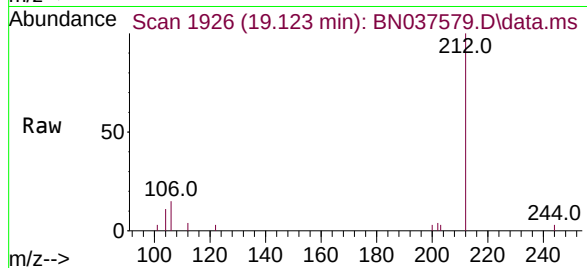
Tgt Ion:212 Resp: 2323

Ion Ratio Lower Upper

212 100

106 14.5 11.5 17.3

104 8.7 6.6 9.8



#28

Fluoranthene

Concen: 0.181 ng

RT: 19.150 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

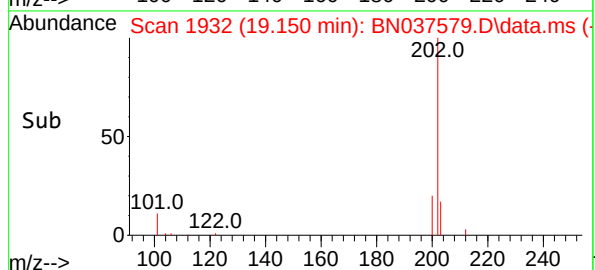
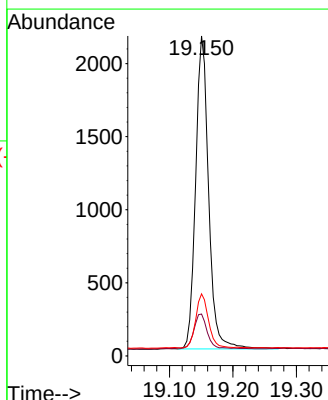
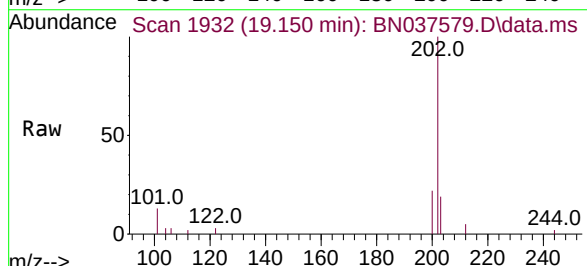
Tgt Ion:202 Resp: 3041

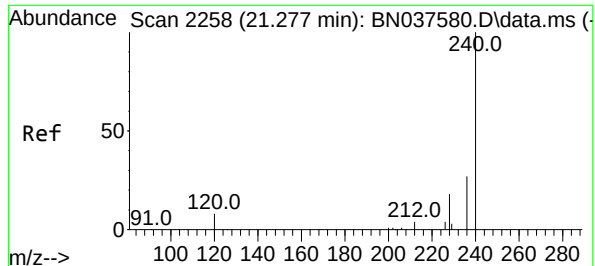
Ion Ratio Lower Upper

202 100

101 11.5 9.0 13.6

203 16.9 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.277 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

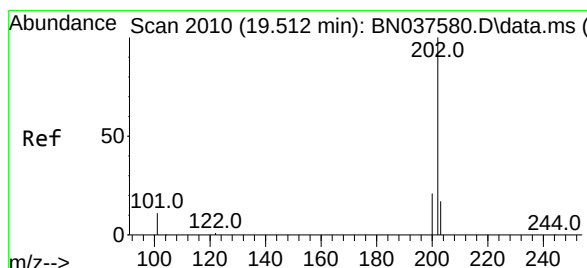
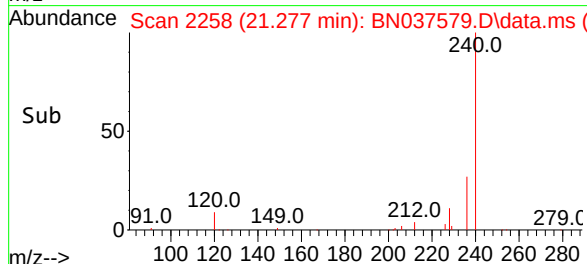
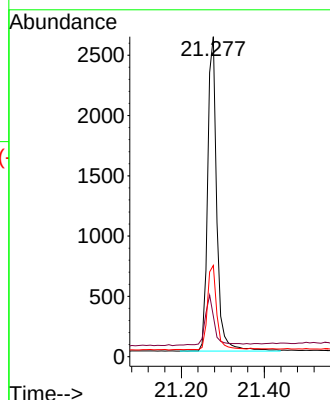
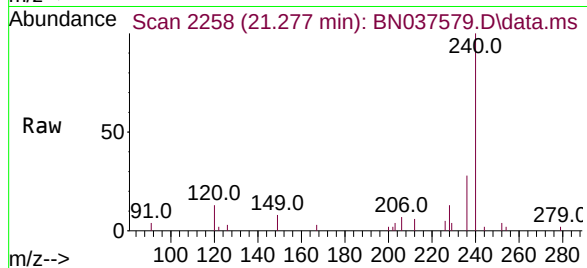
Tgt Ion:240 Resp: 4019

Ion Ratio Lower Upper

240 100

120 12.7 8.9 13.3

236 28.5 22.6 33.8



#30

Pyrene

Concen: 0.199 ng

RT: 19.513 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

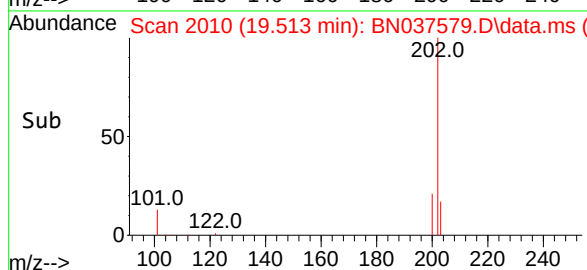
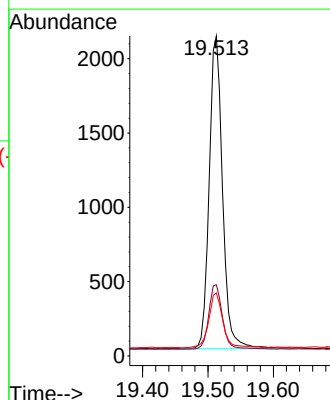
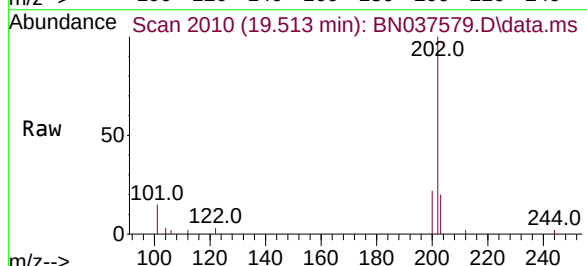
Tgt Ion:202 Resp: 2987

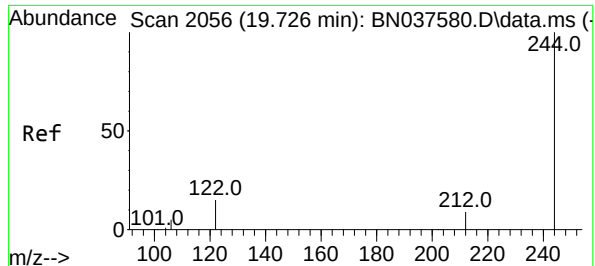
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 18.5 14.3 21.5

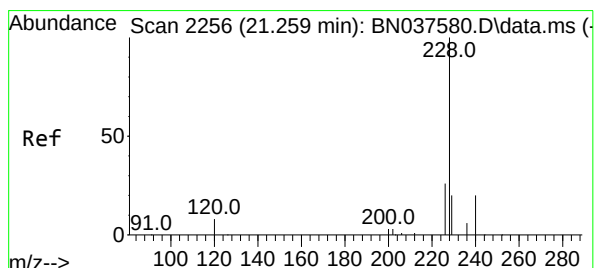
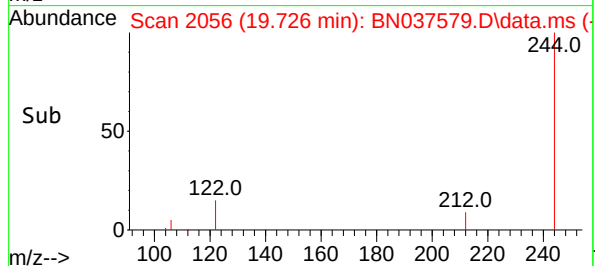
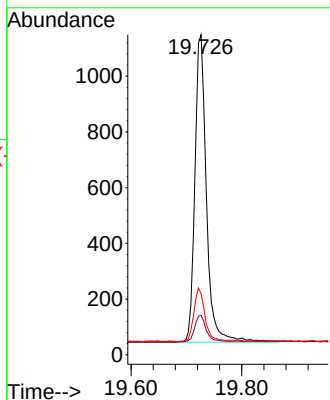
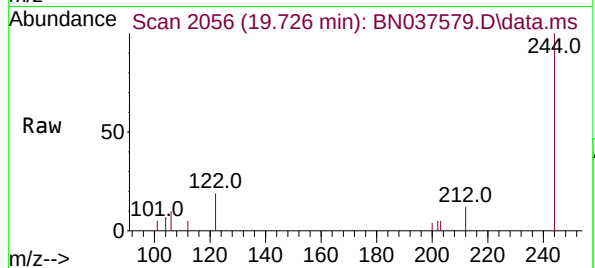




#31
Terphenyl-d14
Concen: 0.195 ng
RT: 19.726 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

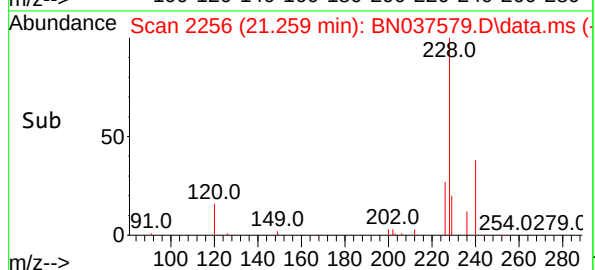
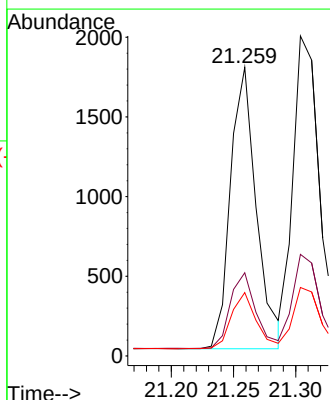
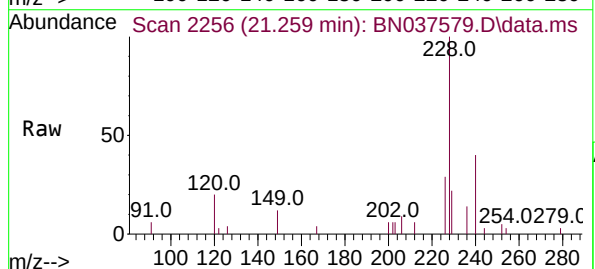
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

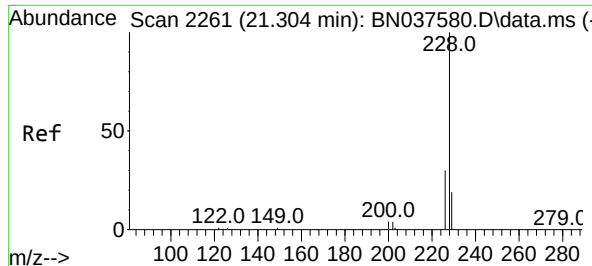
Tgt Ion:244 Resp: 1609
Ion Ratio Lower Upper
244 100
212 12.4 8.2 12.2#
122 19.1 13.2 19.8



#32
Benzo(a)anthracene
Concen: 0.191 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

Tgt Ion:228 Resp: 2563
Ion Ratio Lower Upper
228 100
226 28.8 21.5 32.3
229 22.0 16.5 24.7





#33

Chrysene

Concen: 0.204 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

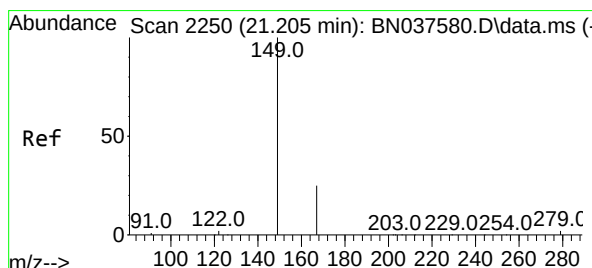
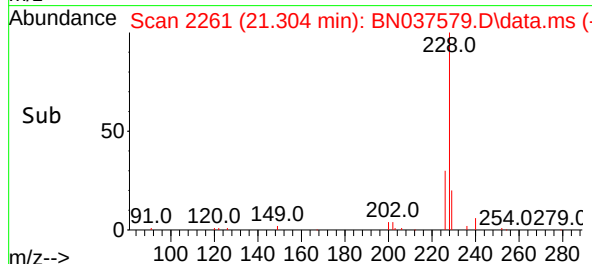
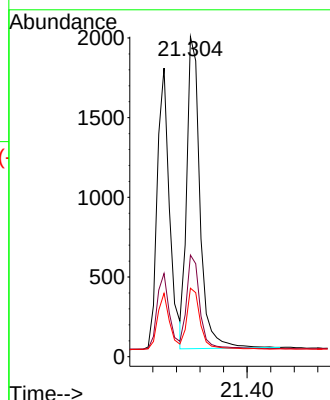
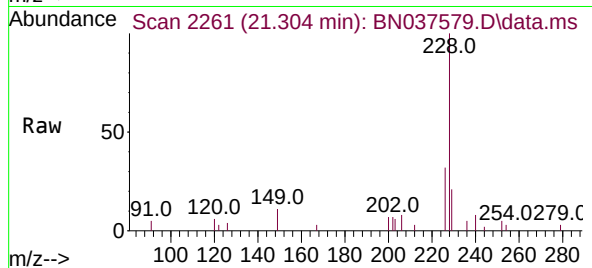
Tgt Ion:228 Resp: 3045

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

229 21.4 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.188 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

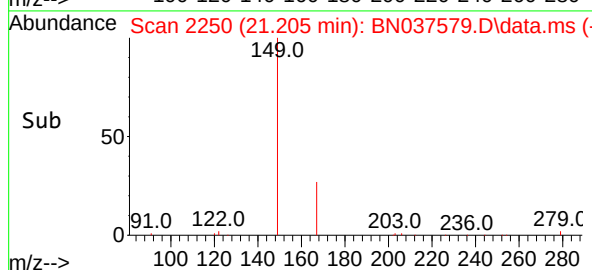
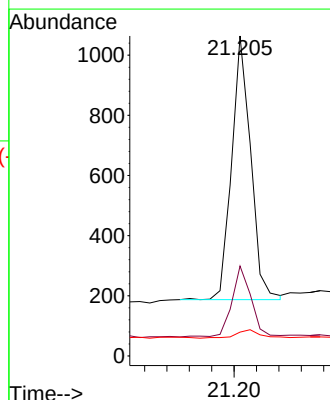
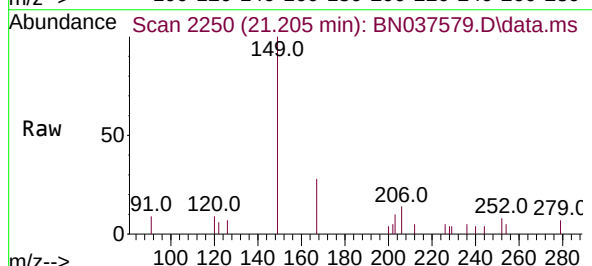
Tgt Ion:149 Resp: 1040

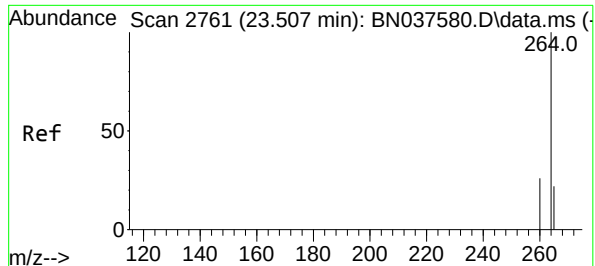
Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

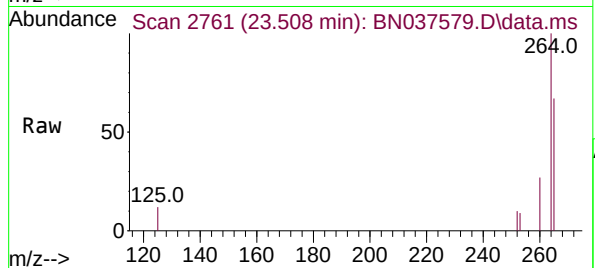
279 4.0 2.6 4.0#



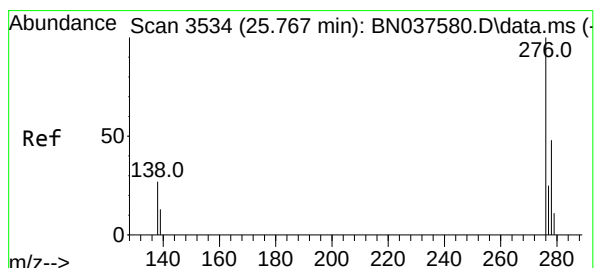
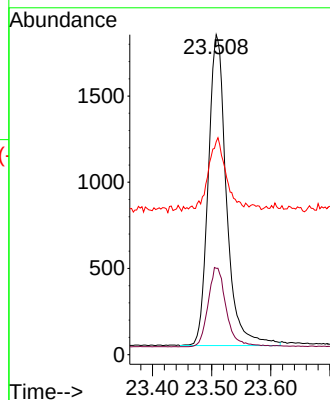
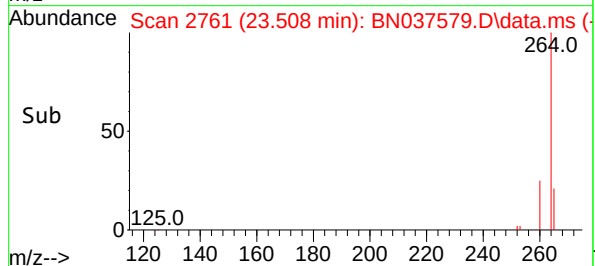


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.508 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03

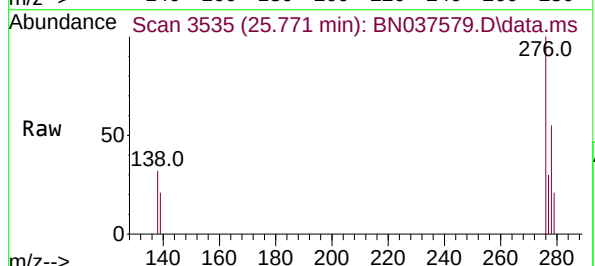
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



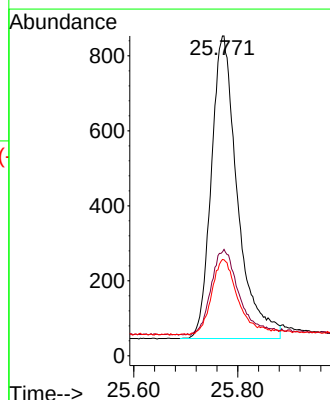
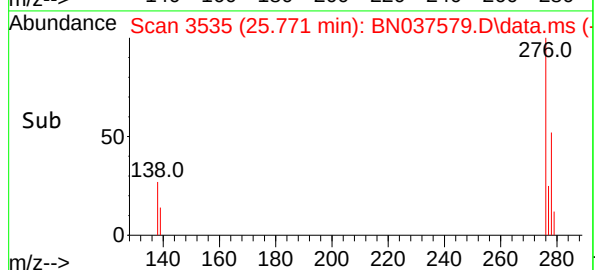
Tgt Ion:264 Resp: 3859
Ion Ratio Lower Upper
264 100
260 27.0 21.6 32.4
265 66.5 48.2 72.4

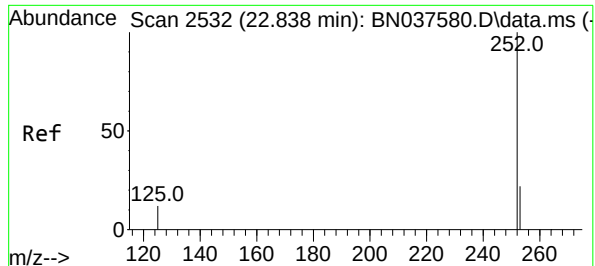


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.173 ng
RT: 25.771 min Scan# 3535
Delta R.T. 0.003 min
Lab File: BN037579.D
Acq: 12 Aug 2025 17:03



Tgt Ion:276 Resp: 2821
Ion Ratio Lower Upper
276 100
138 30.8 23.3 34.9
277 25.2 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.181 ng

RT: 22.838 min Scan# 2532

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

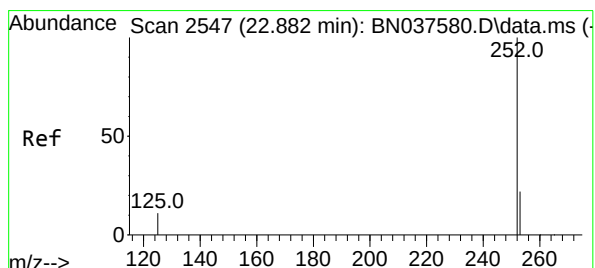
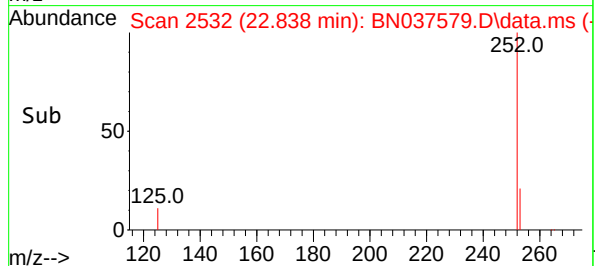
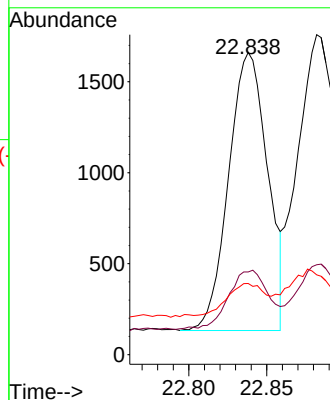
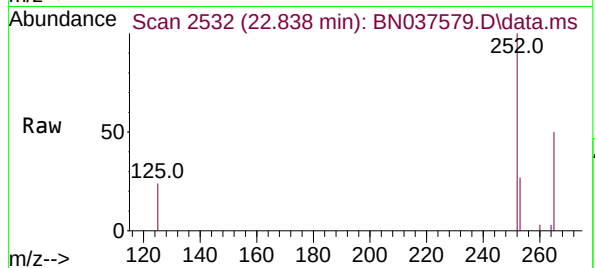
Tgt Ion:252 Resp: 2653

Ion Ratio Lower Upper

252 100

253 27.4 20.0 30.0

125 23.5 13.8 20.6#



#38

Benzo(k)fluoranthene

Concen: 0.185 ng

RT: 22.882 min Scan# 2547

Delta R.T. 0.000 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

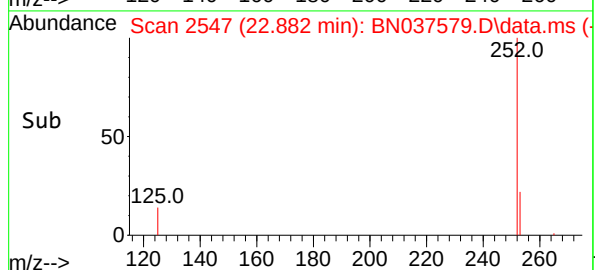
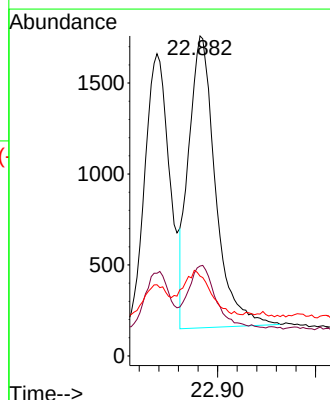
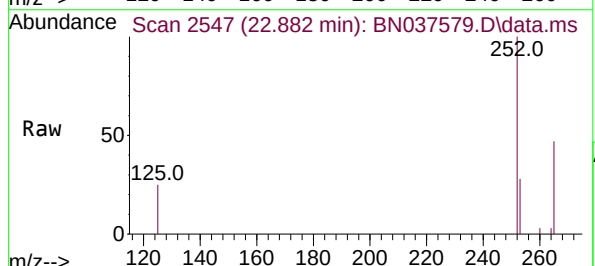
Tgt Ion:252 Resp: 3049

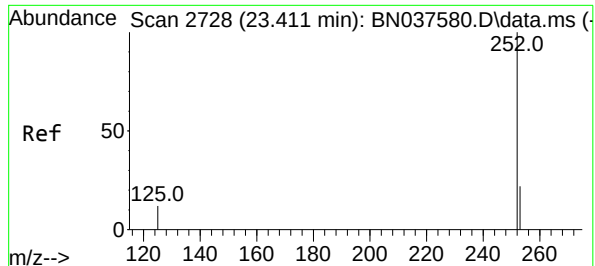
Ion Ratio Lower Upper

252 100

253 28.1 19.9 29.9

125 25.0 15.0 22.6#





#39

Benzo(a)pyrene

Concen: 0.181 ng

RT: 23.414 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

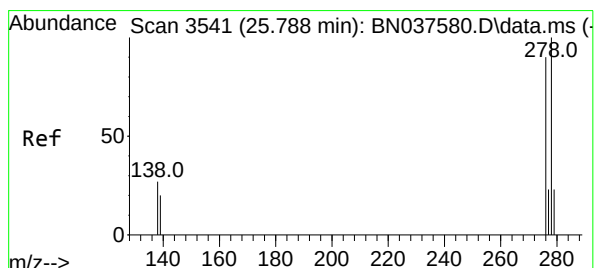
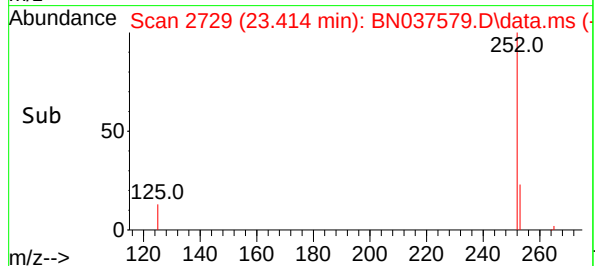
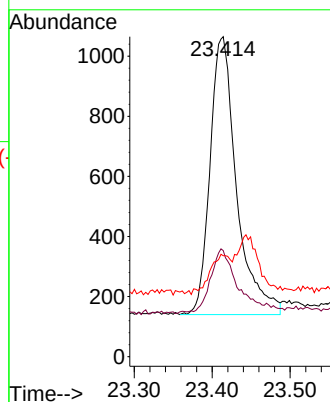
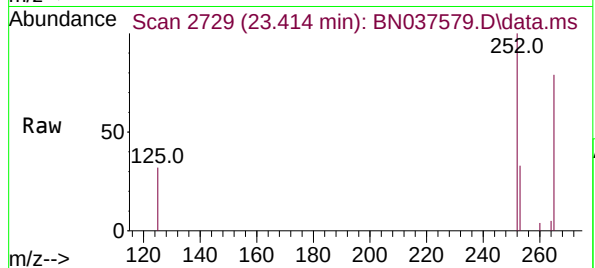
Tgt Ion:252 Resp: 2191

Ion Ratio Lower Upper

252 100

253 33.1 21.6 32.4#

125 31.5 16.8 25.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.171 ng

RT: 25.785 min Scan# 3540

Delta R.T. -0.003 min

Lab File: BN037579.D

Acq: 12 Aug 2025 17:03

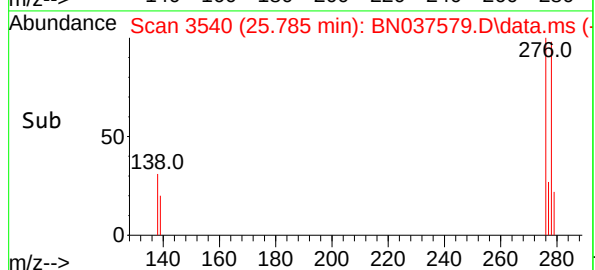
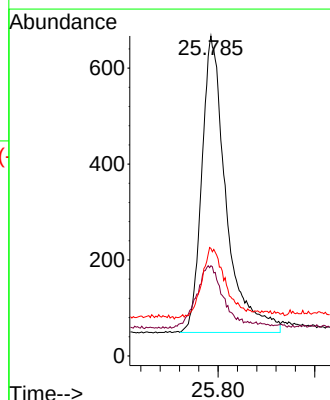
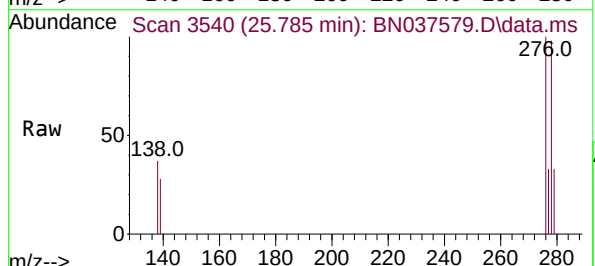
Tgt Ion:278 Resp: 2157

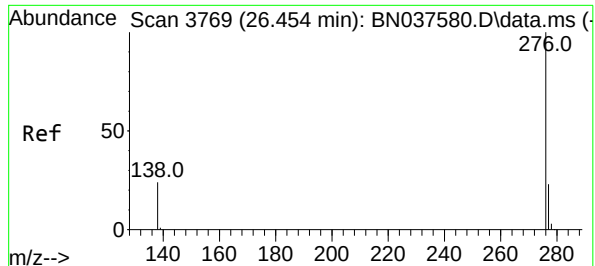
Ion Ratio Lower Upper

278 100

139 28.2 18.3 27.5#

279 33.6 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 0.185 ng

RT: 26.455 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037579.D

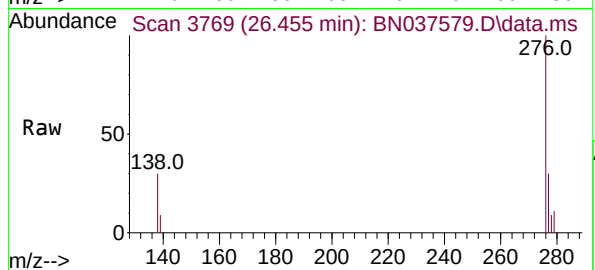
Acq: 12 Aug 2025 17:03

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



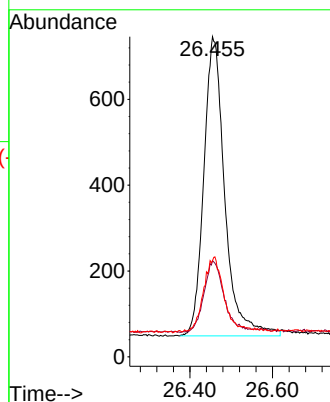
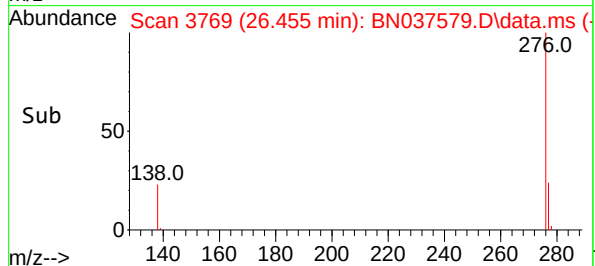
Tgt Ion:276 Resp: 2459

Ion Ratio Lower Upper

276 100

277 30.0 21.0 31.4

138 30.0 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037580.D
 Acq On : 12 Aug 2025 17:39
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Aug 13 04:48:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

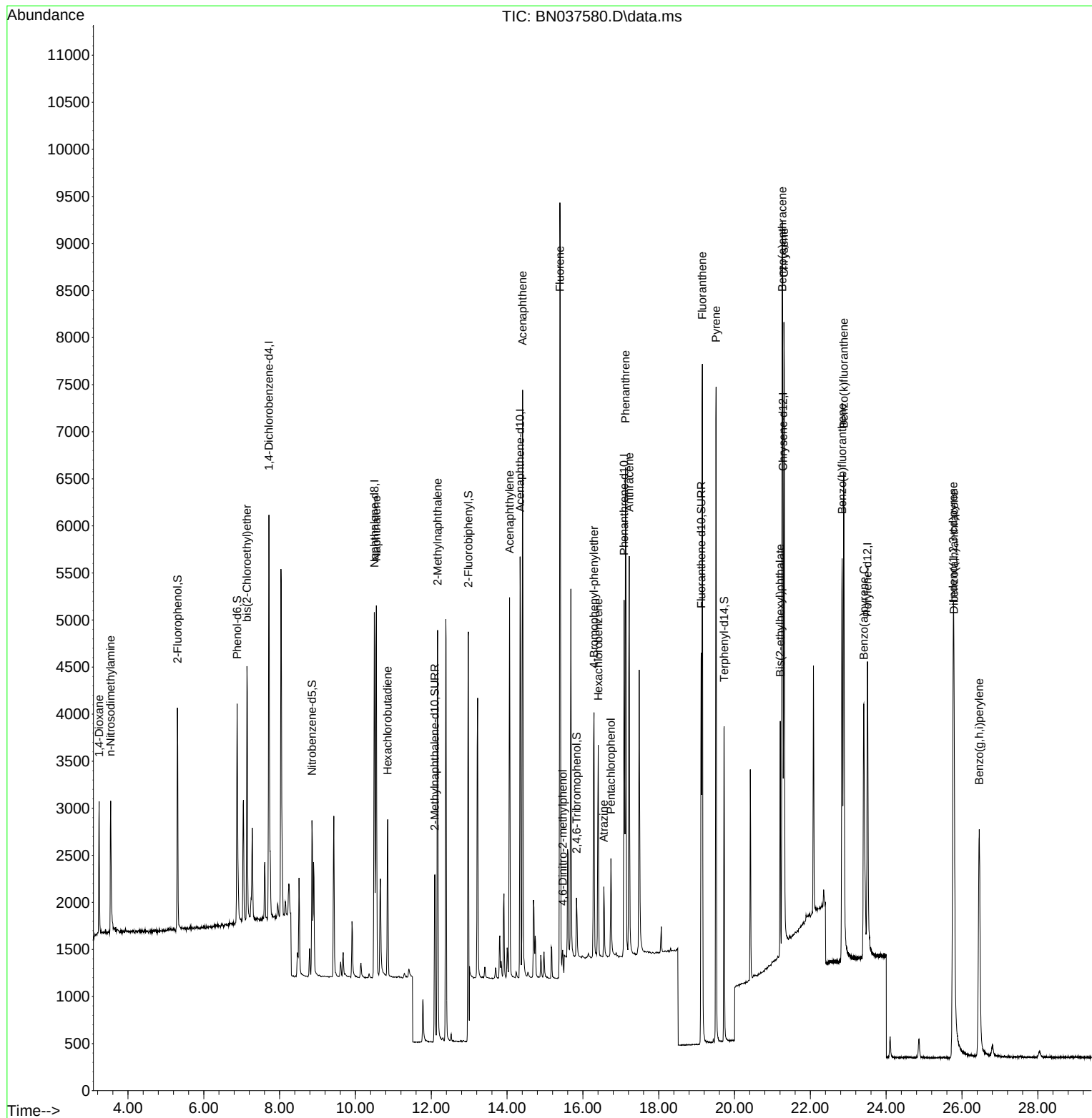
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2104	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5140	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2534	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5032	0.400	ng	0.00
29) Chrysene-d12	21.277	240	4317	0.400	ng	0.00
35) Perylene-d12	23.507	264	4188	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1869	0.392	ng	0.00
5) Phenol-d6	6.879	99	2197	0.383	ng	0.00
8) Nitrobenzene-d5	8.854	82	1348	0.372	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	2609	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	396	0.357	ng	0.00
15) 2-Fluorobiphenyl	12.978	172	5829	0.398	ng	0.00
27) Fluoranthene-d10	19.122	212	4801	0.363	ng	0.00
31) Terphenyl-d14	19.726	244	3436	0.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	832	0.413	ng	99
3) n-Nitrosodimethylamine	3.543	42	1027	0.399	ng	100
6) bis(2-Chloroethyl)ether	7.139	93	2053	0.397	ng	100
9) Naphthalene	10.551	128	5329	0.389	ng	100
10) Hexachlorobutadiene	10.850	225	1347	0.403	ng	# 100
12) 2-Methylnaphthalene	12.166	142	3264	0.380	ng	100
16) Acenaphthylene	14.067	152	4334	0.382	ng	100
17) Acenaphthene	14.409	154	2969	0.384	ng	100
18) Fluorene	15.392	166	3861	0.382	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	231	0.433	ng	100
21) 4-Bromophenyl-phenylether	16.292	248	1177	0.372	ng	100
22) Hexachlorobenzene	16.404	284	1790	0.399	ng	100
23) Atrazine	16.553	200	654	0.366	ng	100
24) Pentachlorophenol	16.739	266	571	0.363	ng	100
25) Phenanthrene	17.124	178	5887	0.385	ng	100
26) Anthracene	17.223	178	5009	0.370	ng	100
28) Fluoranthene	19.150	202	6535	0.372	ng	100
30) Pyrene	19.512	202	6320	0.392	ng	100
32) Benzo(a)anthracene	21.259	228	5452	0.378	ng	100
33) Chrysene	21.304	228	6185	0.385	ng	100
34) Bis(2-ethylhexyl)phtha...	21.205	149	2252	0.378	ng	100
36) Indeno(1,2,3-cd)pyrene	25.767	276	6753	0.383	ng	100
37) Benzo(b)fluoranthene	22.838	252	5604	0.353	ng	100
38) Benzo(k)fluoranthene	22.882	252	6915	0.386	ng	100
39) Benzo(a)pyrene	23.411	252	4812	0.366	ng	100
40) Dibenzo(a,h)anthracene	25.788	278	5118	0.374	ng	100
41) Benzo(g,h,i)perylene	26.454	276	5284	0.366	ng	100

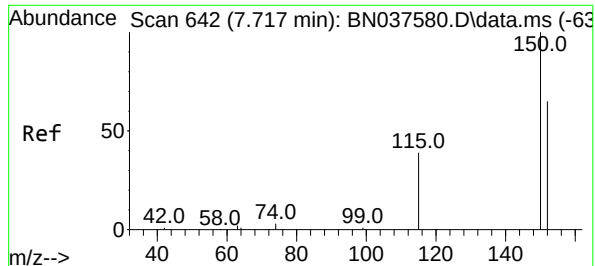
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037580.D
Acq On : 12 Aug 2025 17:39
Operator : RC/JU
Sample : SSTDICC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.4

Quant Time: Aug 13 04:48:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration

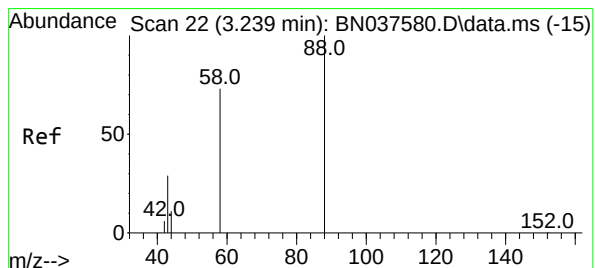
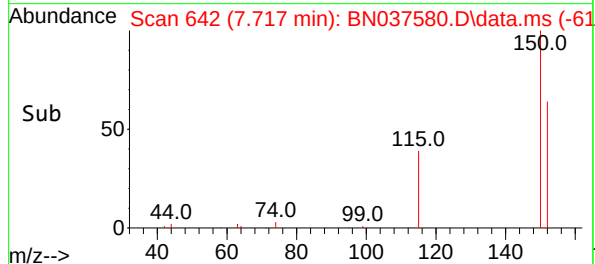
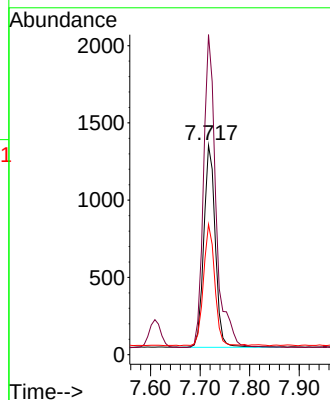
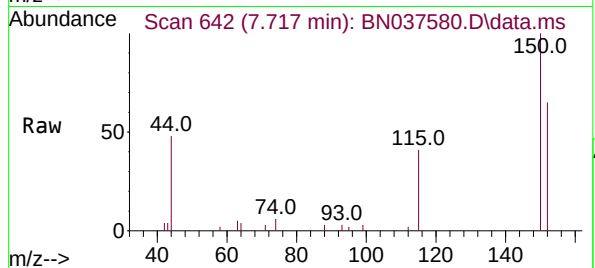




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

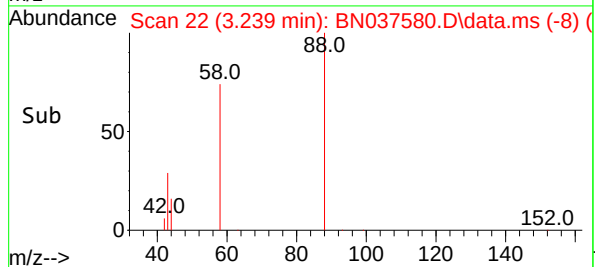
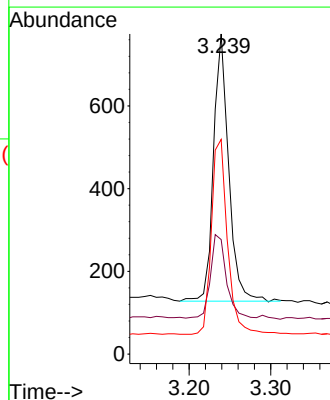
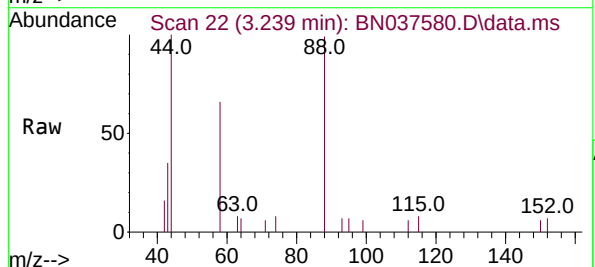
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

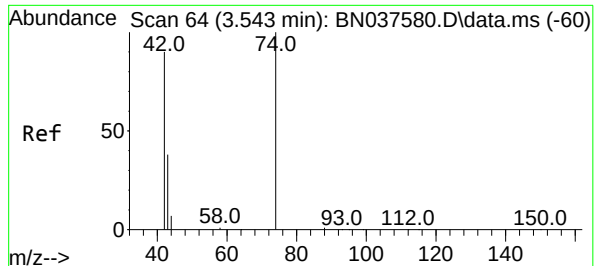
Tgt Ion:152 Resp: 2104
Ion Ratio Lower Upper
152 100
150 152.8 122.2 183.4
115 62.2 49.8 74.6



#2
1,4-Dioxane
Concen: 0.413 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion: 88 Resp: 832
Ion Ratio Lower Upper
88 100
43 33.2 25.8 38.6
58 77.6 61.2 91.8

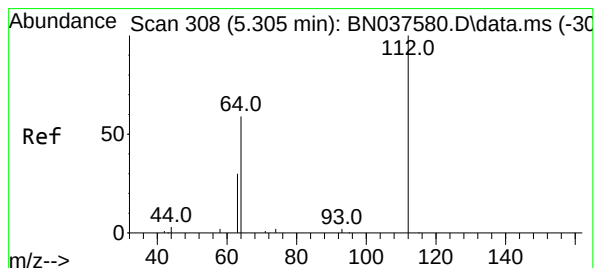
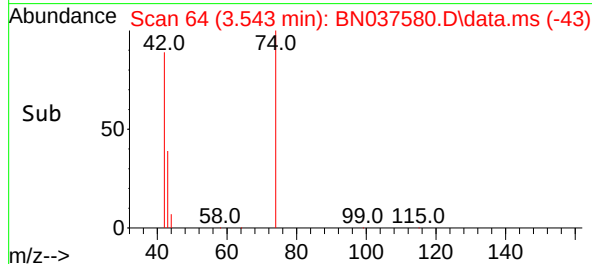
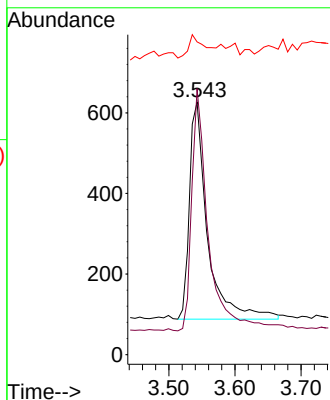
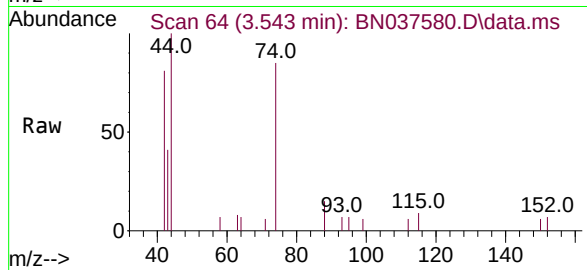




#3
n-Nitrosodimethylamine
Concen: 0.399 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

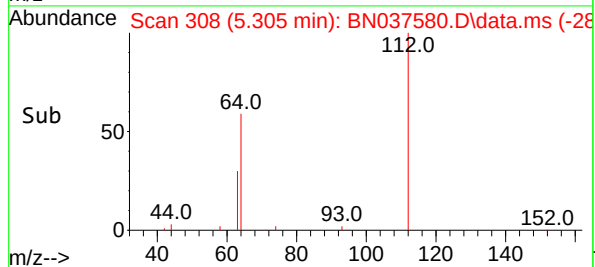
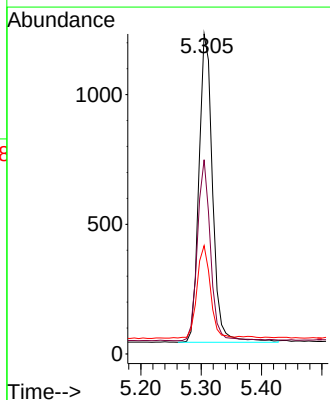
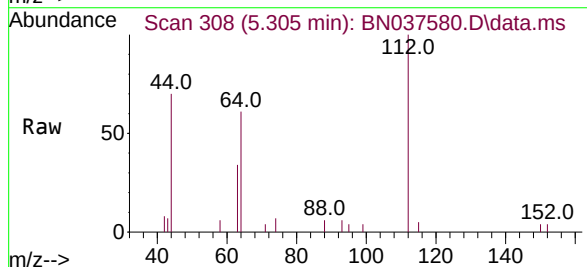
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

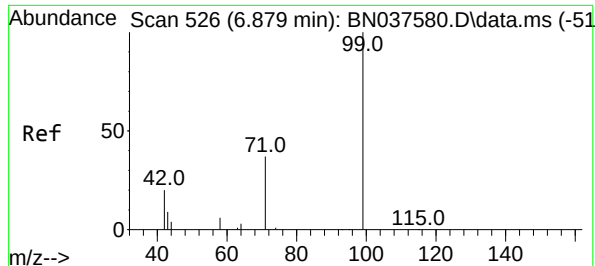
Tgt Ion: 42 Resp: 1027
Ion Ratio Lower Upper
42 100
74 102.7 82.0 123.0
44 9.8 7.9 11.9



#4
2-Fluorophenol
Concen: 0.392 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion: 112 Resp: 1869
Ion Ratio Lower Upper
112 100
64 56.1 44.9 67.3
63 29.3 23.4 35.2





#5

Phenol-d6

Concen: 0.383 ng

RT: 6.879 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

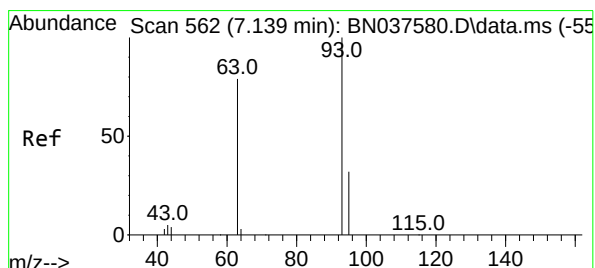
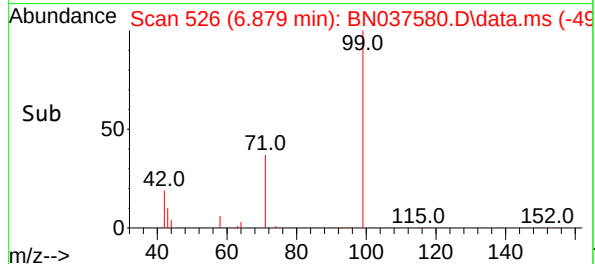
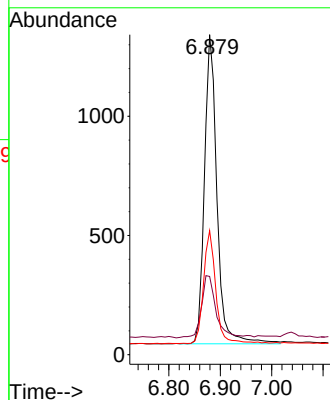
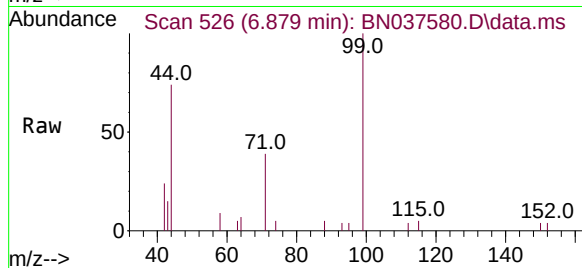
Tgt Ion: 99 Resp: 2197

Ion Ratio Lower Upper

99 100

42 23.1 18.5 27.7

71 35.7 28.6 42.8



#6

bis(2-Chloroethyl)ether

Concen: 0.397 ng

RT: 7.139 min Scan# 562

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

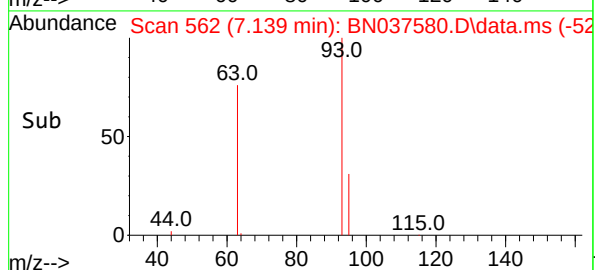
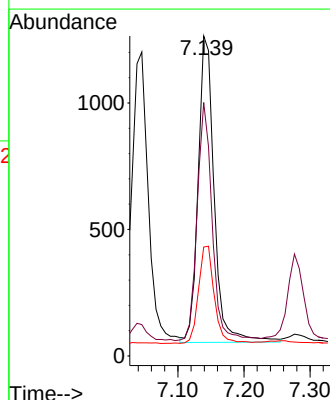
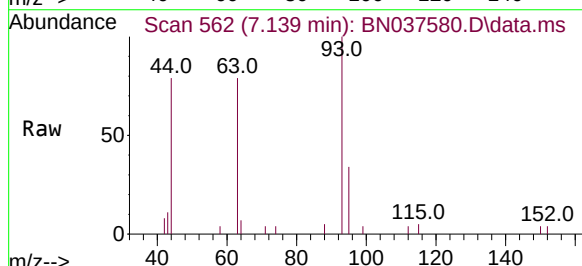
Tgt Ion: 93 Resp: 2053

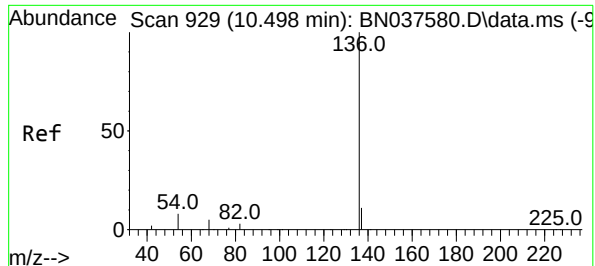
Ion Ratio Lower Upper

93 100

63 72.5 58.0 87.0

95 31.1 24.9 37.3

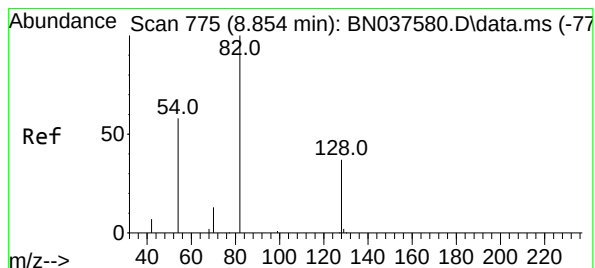
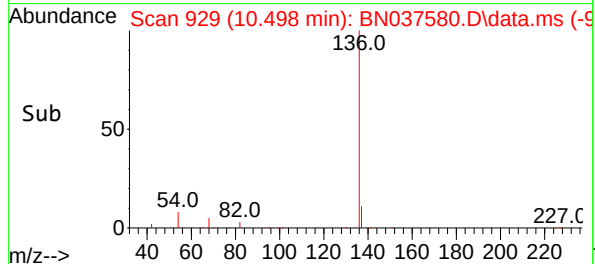
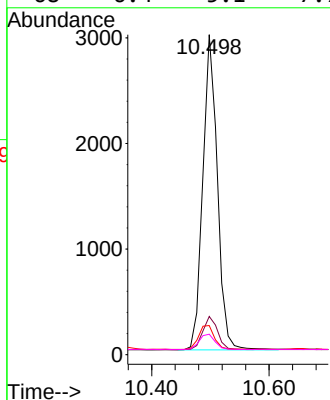
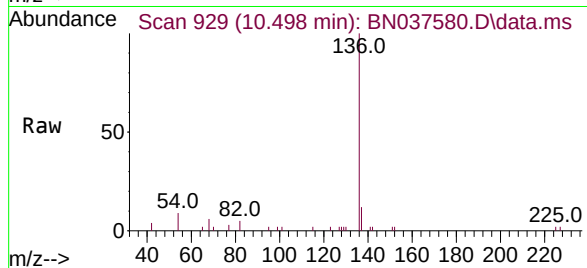




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

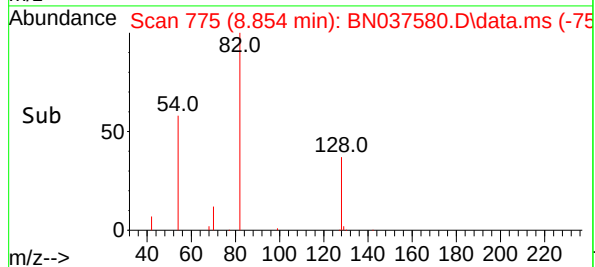
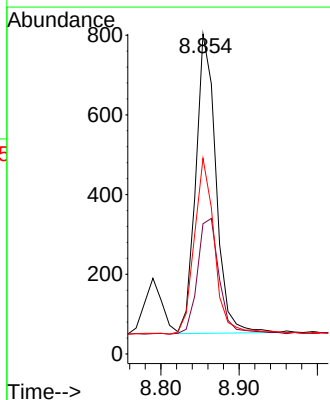
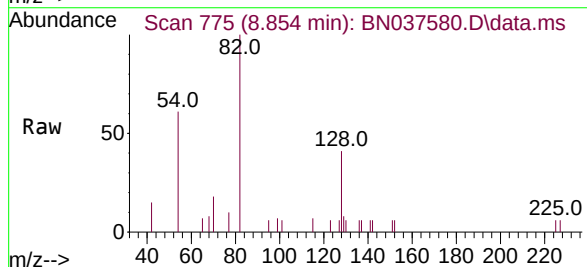
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

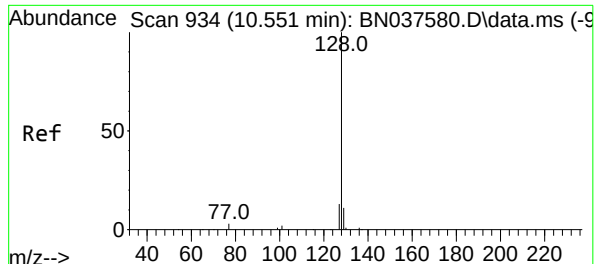
Tgt Ion:	136	Resp:	5140
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	9.1	7.3	10.9
68	6.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.372 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion:	82	Resp:	1348
Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.6	48.8
54	61.1	48.9	73.3





#9

Naphthalene

Concen: 0.389 ng

RT: 10.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

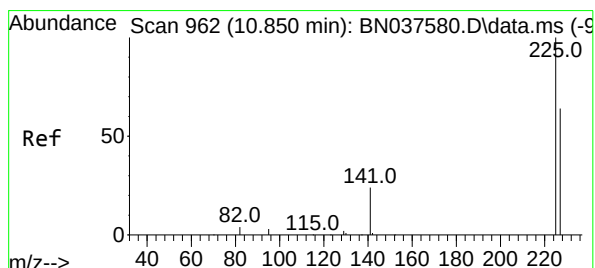
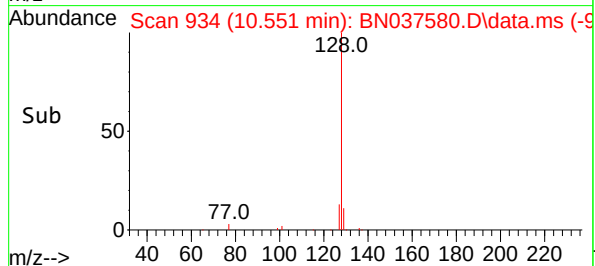
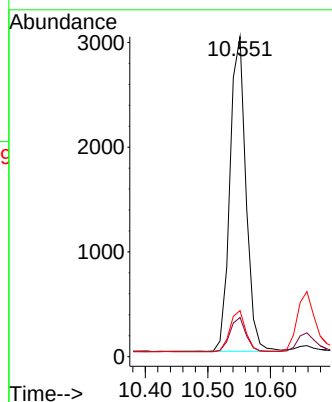
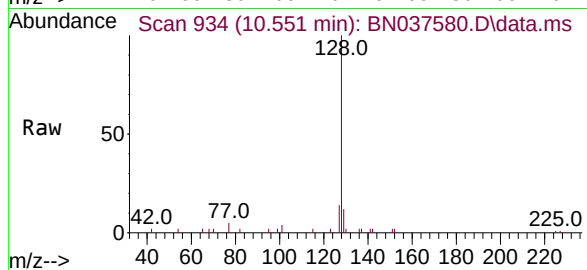
Tgt Ion:128 Resp: 5329

Ion Ratio Lower Upper

128 100

129 12.2 9.8 14.6

127 14.4 11.5 17.3



#10

Hexachlorobutadiene

Concen: 0.403 ng

RT: 10.850 min Scan# 962

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

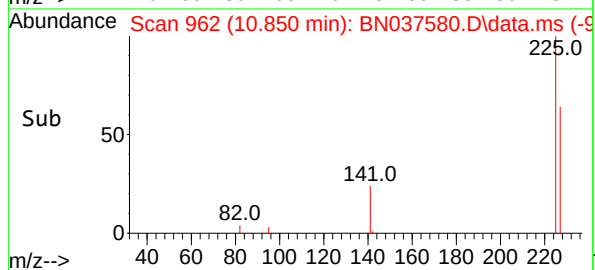
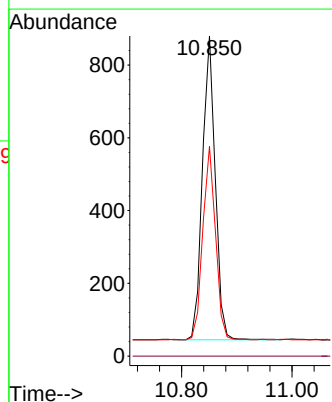
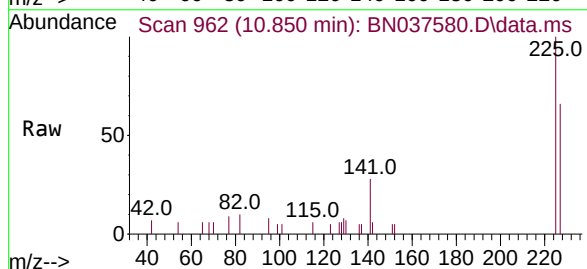
Tgt Ion:225 Resp: 1347

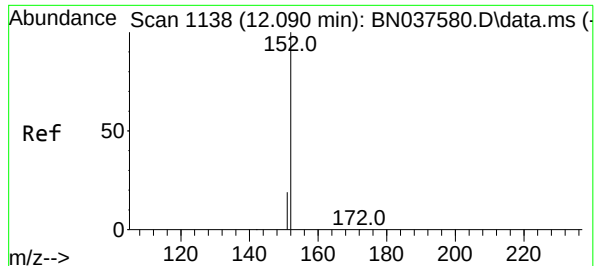
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.5 50.8 76.2

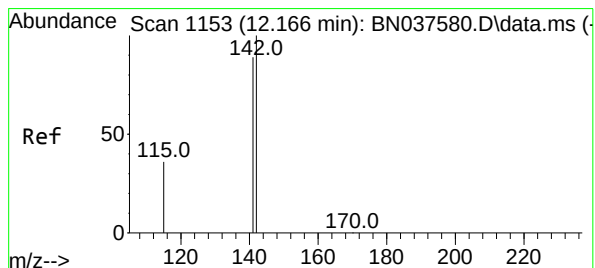
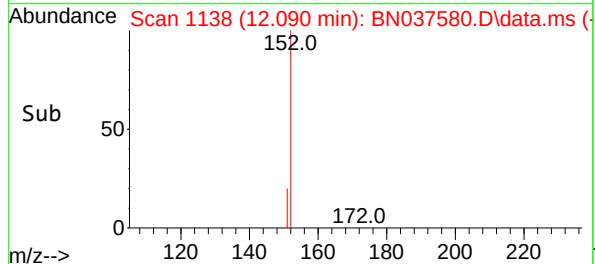
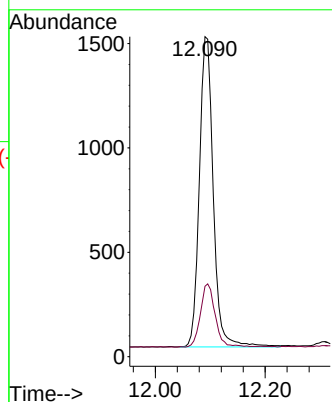
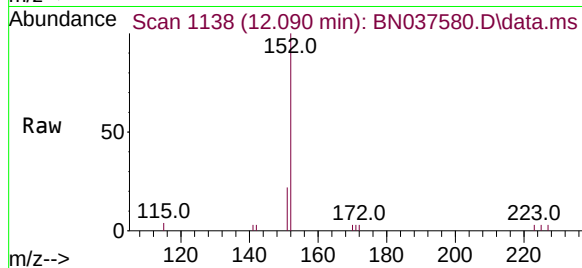




#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

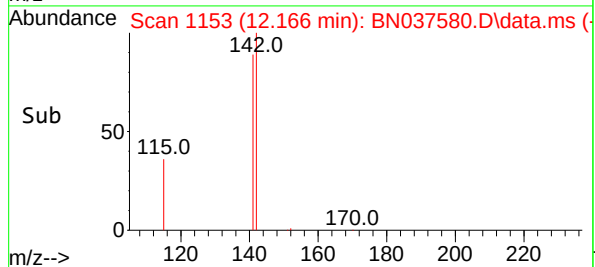
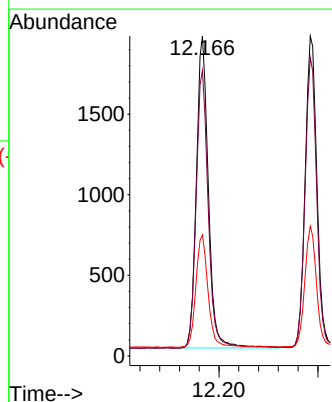
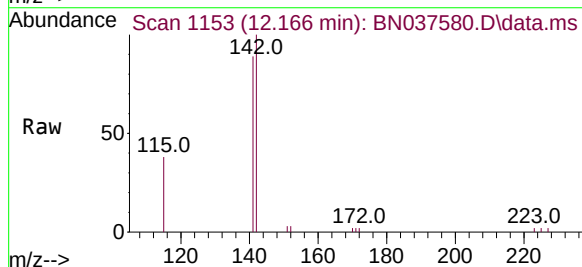
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

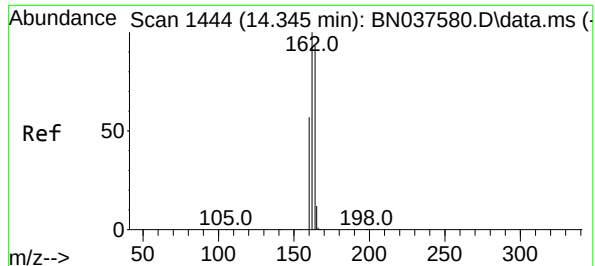
Tgt Ion:152 Resp: 2609
Ion Ratio Lower Upper
152 100
151 21.6 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.380 ng
RT: 12.166 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion:142 Resp: 3264
Ion Ratio Lower Upper
142 100
141 89.2 71.4 107.0
115 37.8 30.2 45.4

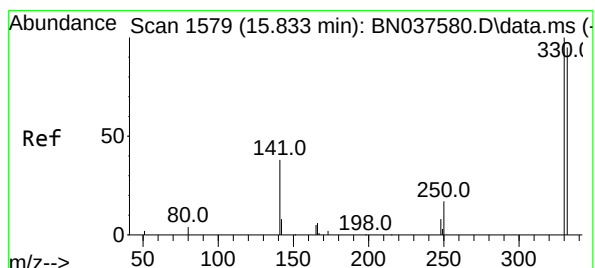
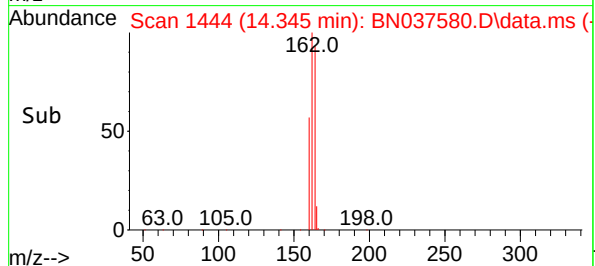
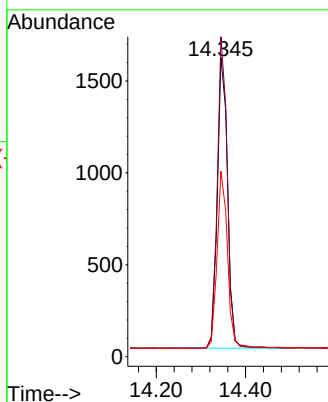
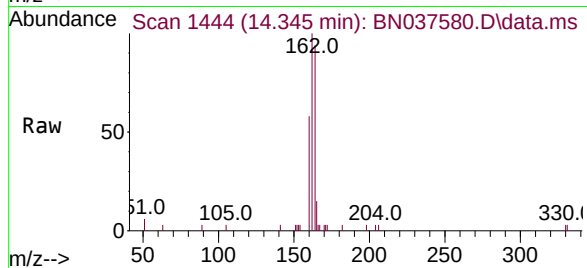




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

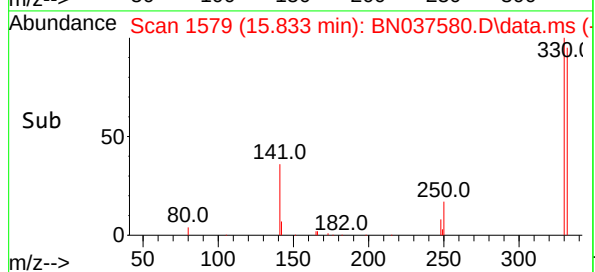
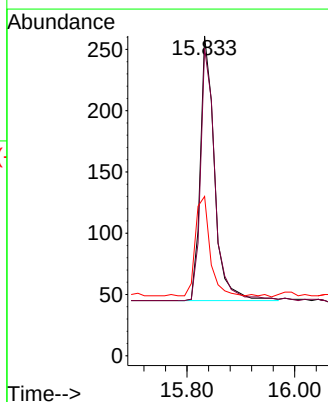
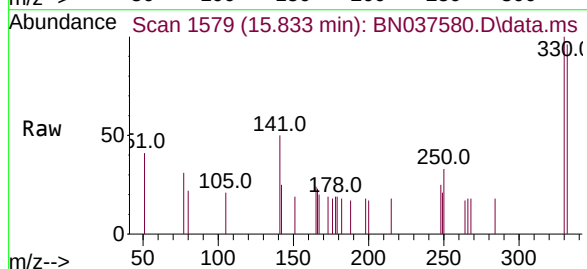
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

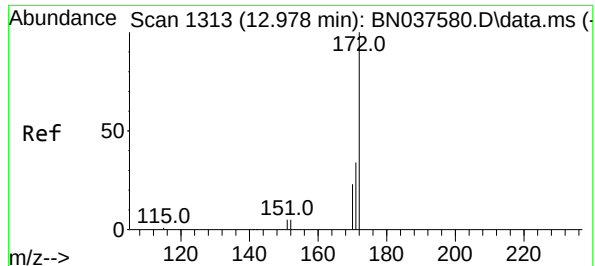
Tgt Ion	164	Resp	2534
Ion	Ratio	Lower	Upper
164	100		
162	106.9	85.5	128.3
160	61.9	49.5	74.3



#14
2,4,6-Tribromophenol
Concen: 0.357 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion	330	Resp	396
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	38.6	30.9	46.3





#15

2-Fluorobiphenyl

Concen: 0.398 ng

RT: 12.978 min Scan# 1313

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

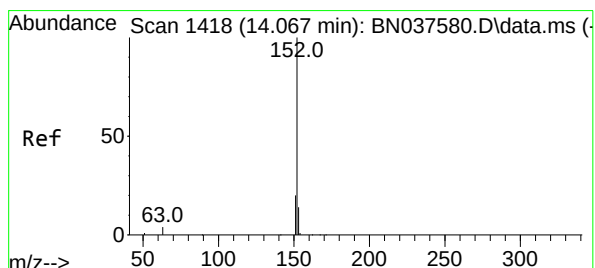
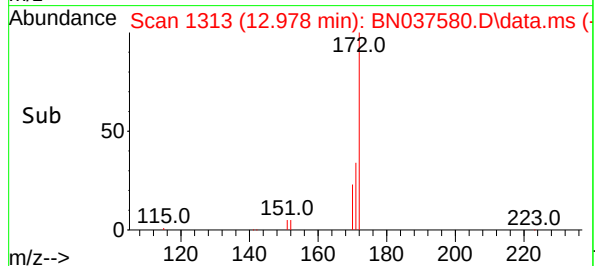
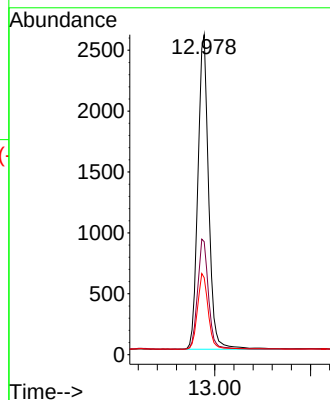
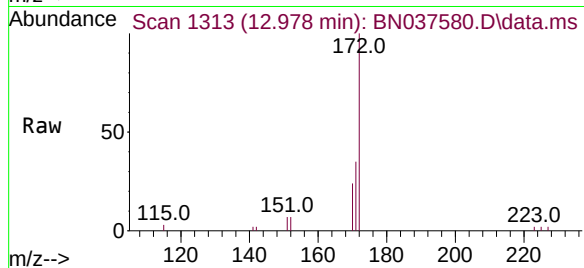
Tgt Ion:172 Resp: 5829

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 24.0 19.2 28.8



#16

Acenaphthylene

Concen: 0.382 ng

RT: 14.067 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

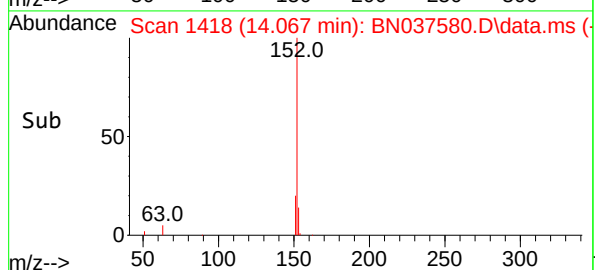
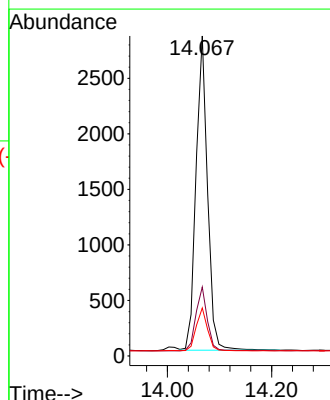
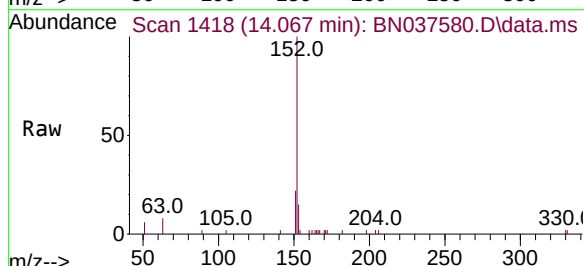
Tgt Ion:152 Resp: 4334

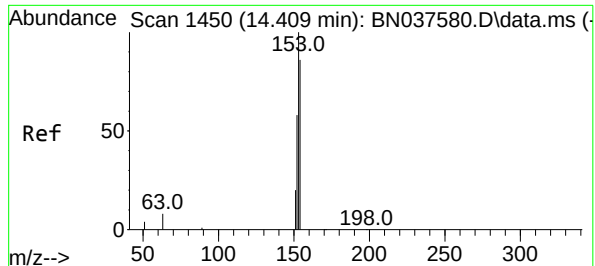
Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.4 10.7 16.1

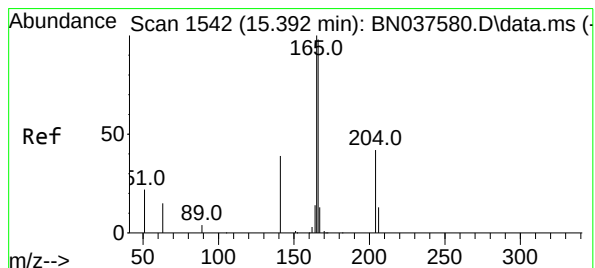
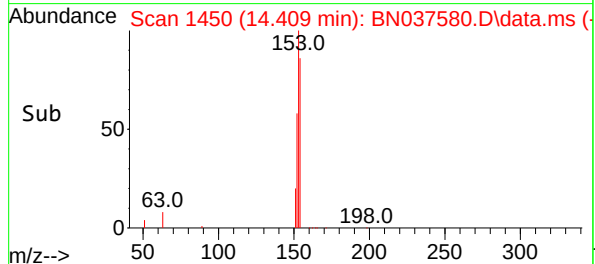
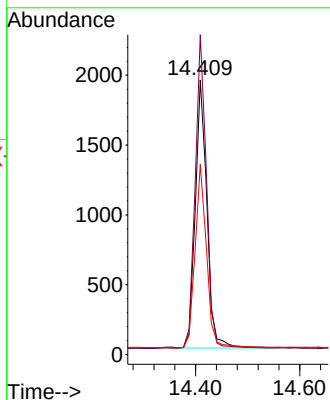
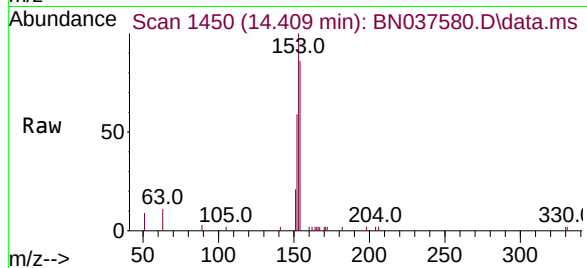




#17
Acenaphthene
Concen: 0.384 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

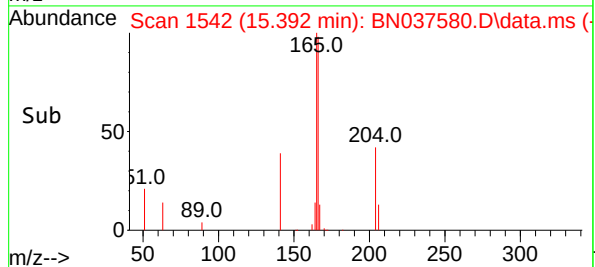
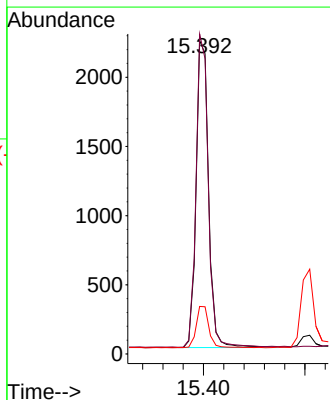
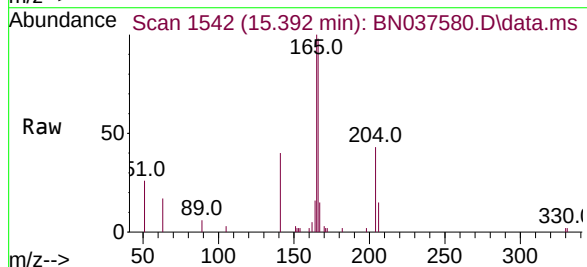
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

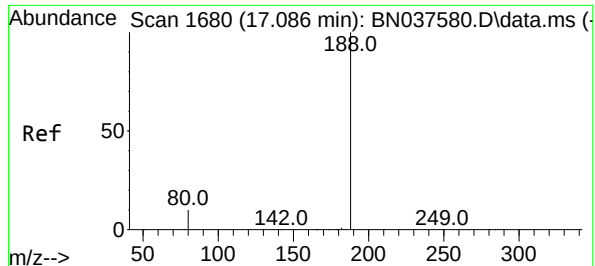
Tgt Ion	154	Resp	2969
Ion Ratio	Lower	Upper	
154	100		
153	113.2	90.6	135.8
152	68.6	54.9	82.3



#18
Fluorene
Concen: 0.382 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion	166	Resp	3861
Ion Ratio	Lower	Upper	
166	100		
165	98.6	78.9	118.3
167	13.4	10.7	16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

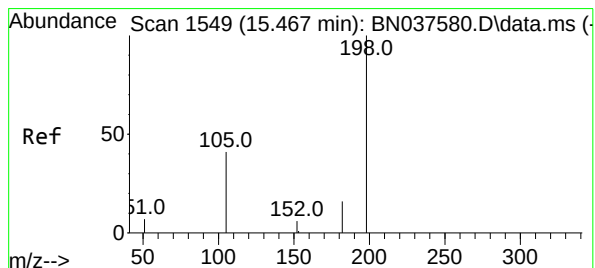
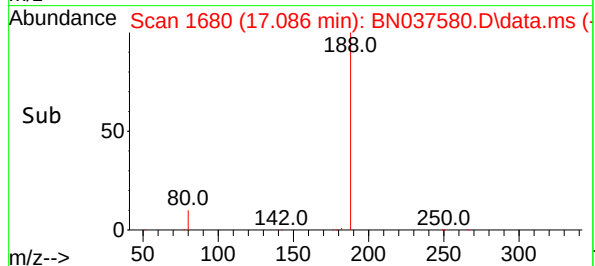
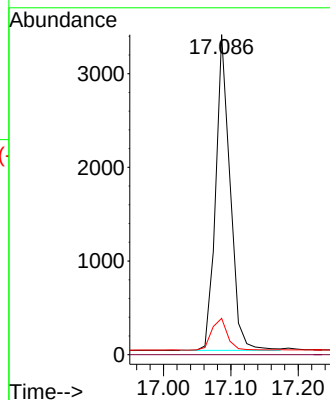
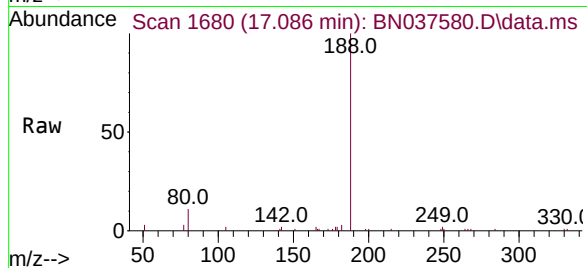
Tgt Ion:188 Resp: 5032

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.433 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

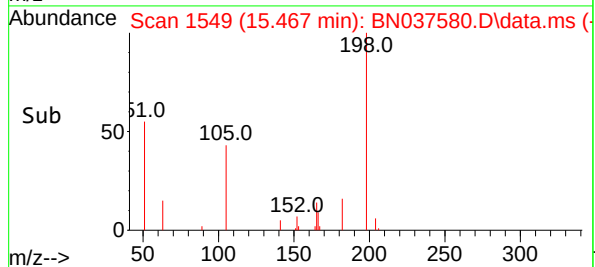
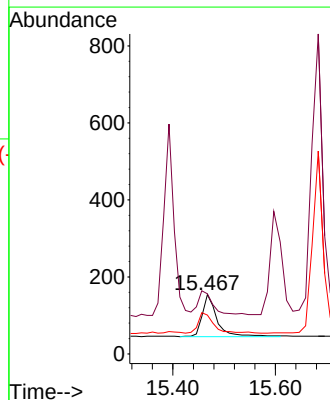
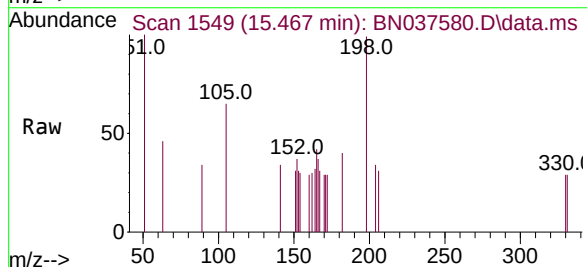
Tgt Ion:198 Resp: 231

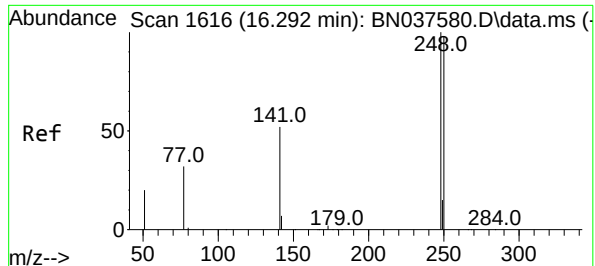
Ion Ratio Lower Upper

198 100

51 101.3 81.0 121.6

105 65.6 52.5 78.7

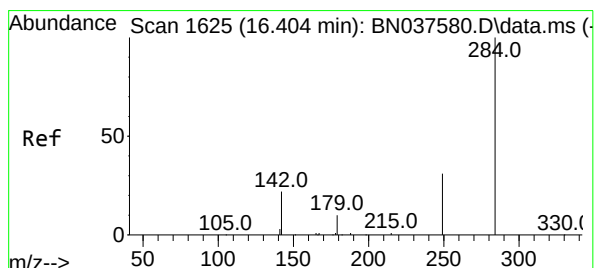
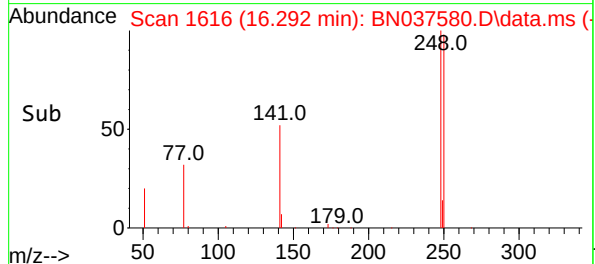
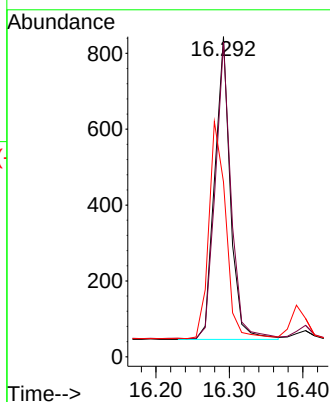
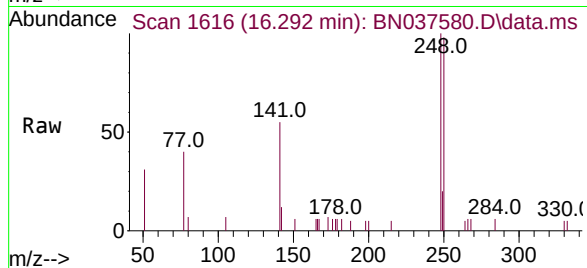




#21
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.292 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

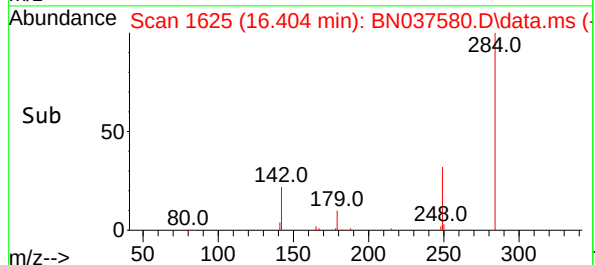
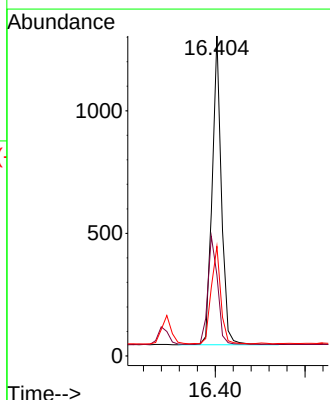
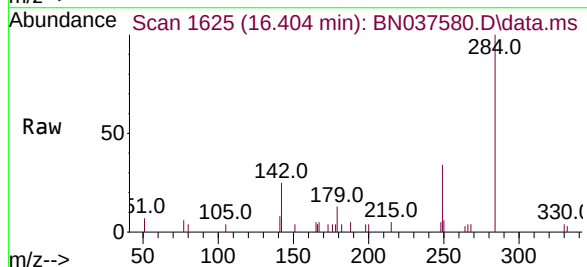
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

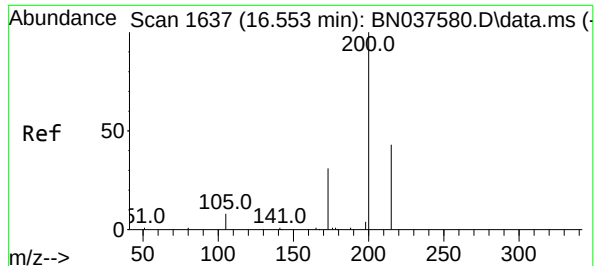
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	118.0
141	54.6	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.399 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.8	44.6
249	32.5	26.0	39.0

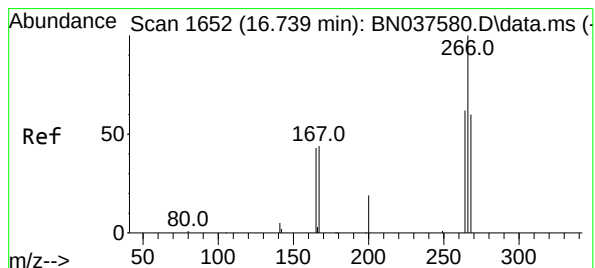
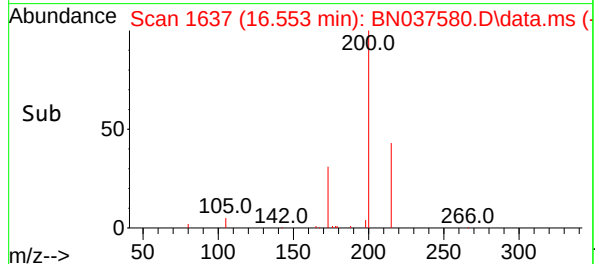
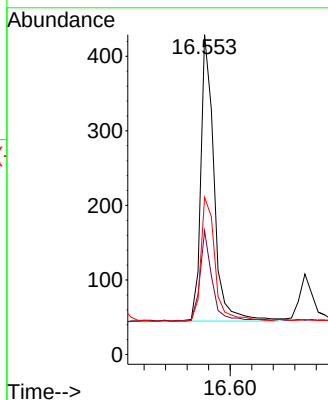
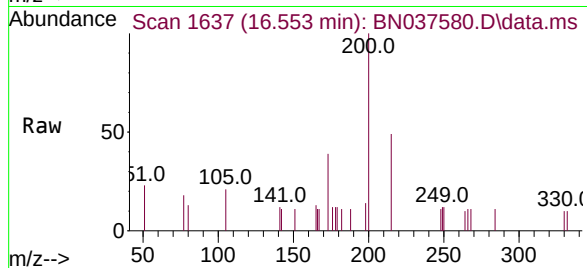




#23
Atrazine
Concen: 0.366 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

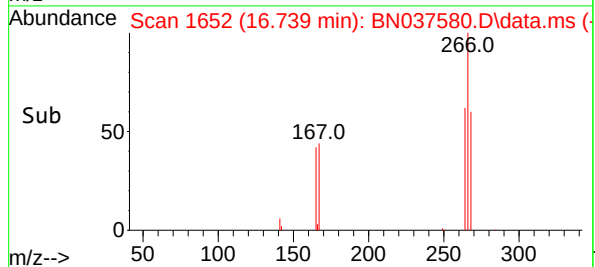
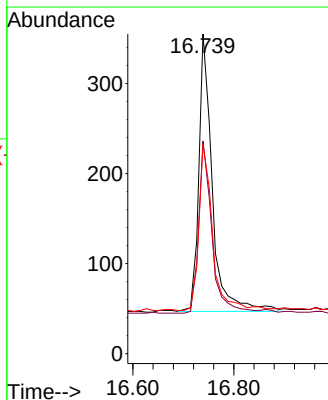
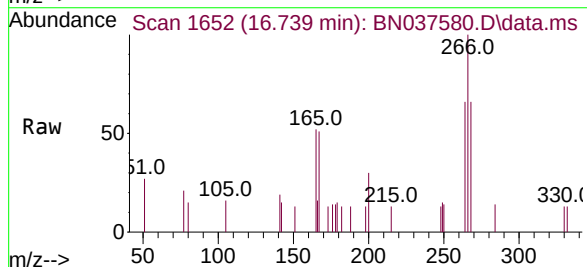
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

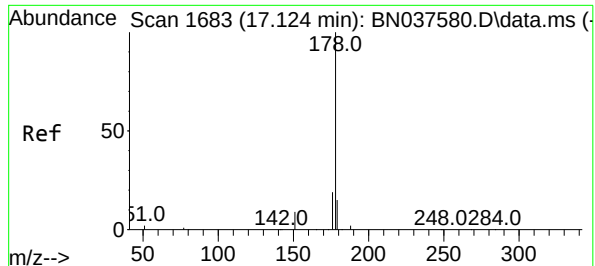
Tgt Ion	Ratio	Lower	Upper
200	100		
173	38.7	31.0	46.4
215	49.2	39.4	59.0



#24
Pentachlorophenol
Concen: 0.363 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.6	74.4
268	61.5	49.2	73.8





#25

Phenanthrene

Concen: 0.385 ng

RT: 17.124 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

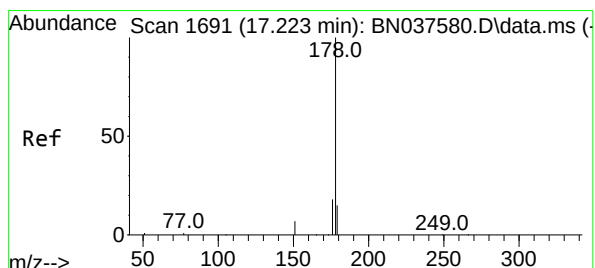
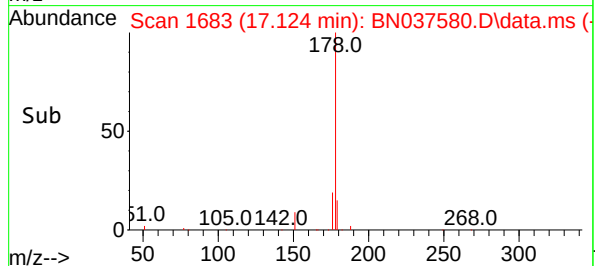
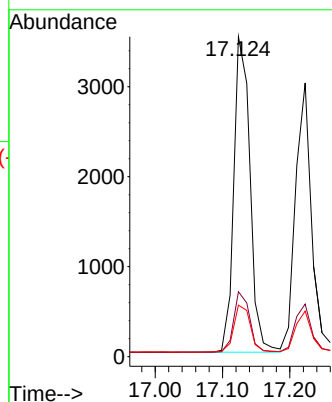
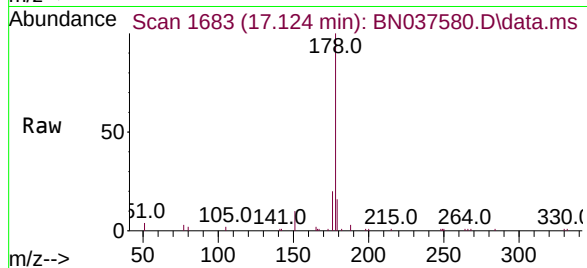
Tgt Ion:178 Resp: 5887

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.4 12.3 18.5



#26

Anthracene

Concen: 0.370 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

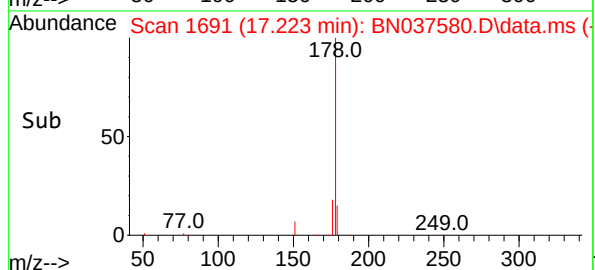
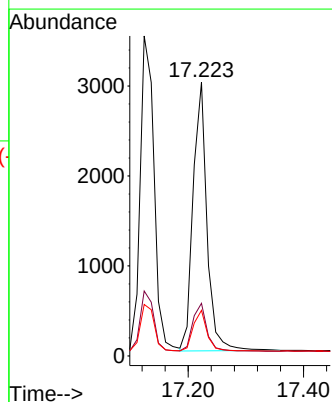
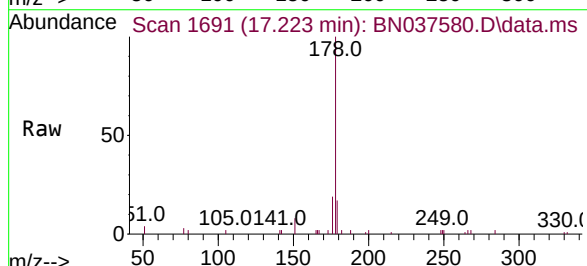
Tgt Ion:178 Resp: 5009

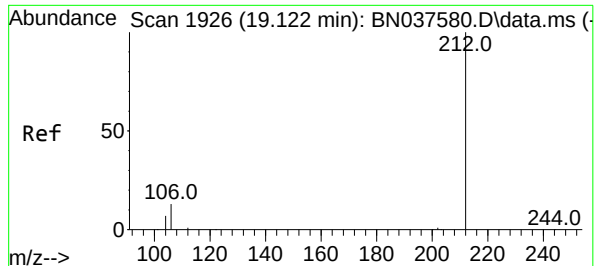
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.4 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.122 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

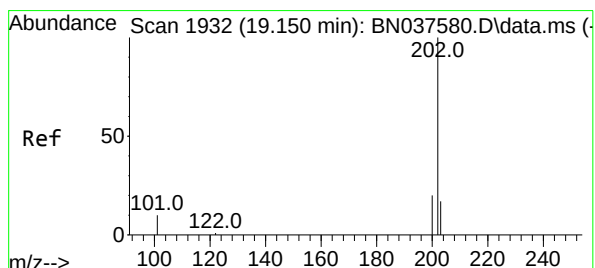
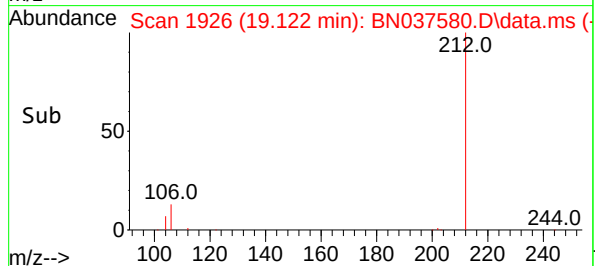
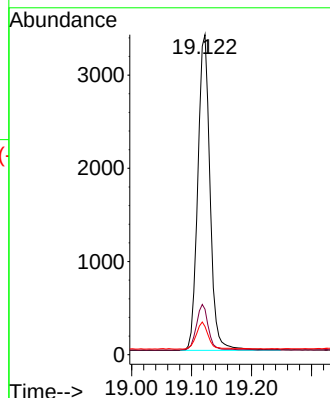
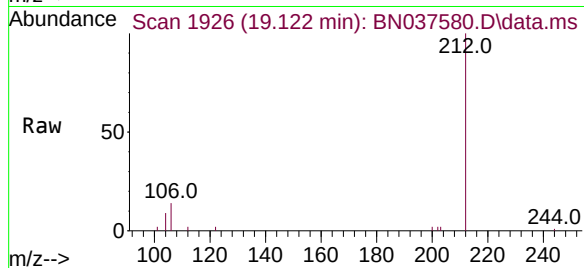
Tgt Ion:212 Resp: 4801

Ion Ratio Lower Upper

212 100

106 14.4 11.5 17.3

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.372 ng

RT: 19.150 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

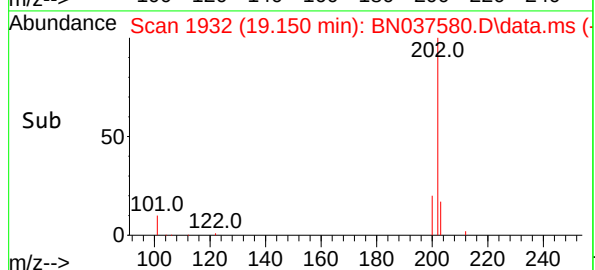
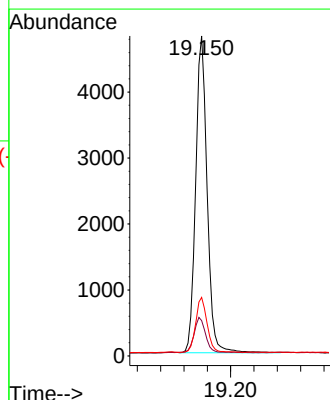
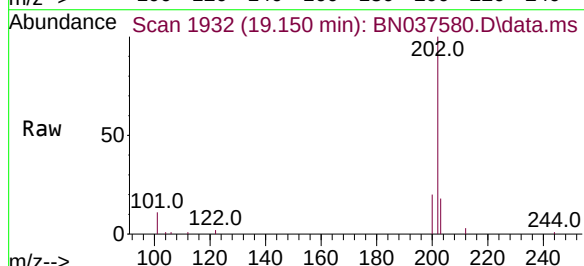
Tgt Ion:202 Resp: 6535

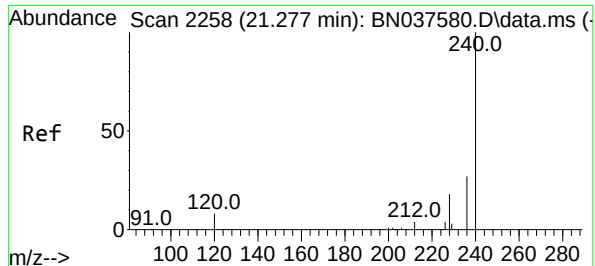
Ion Ratio Lower Upper

202 100

101 11.3 9.0 13.6

203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.277 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

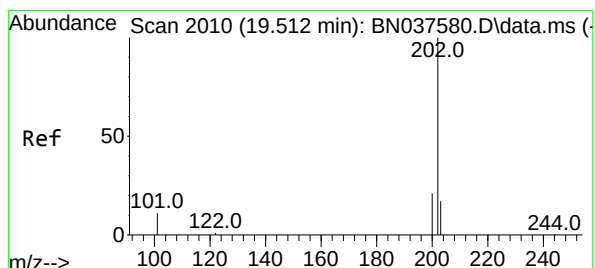
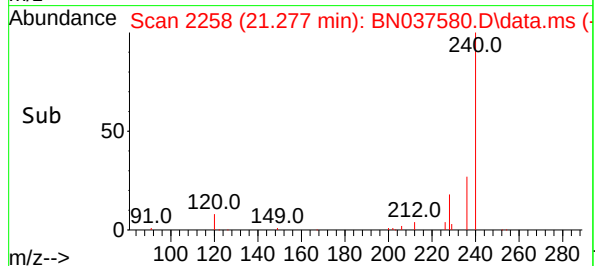
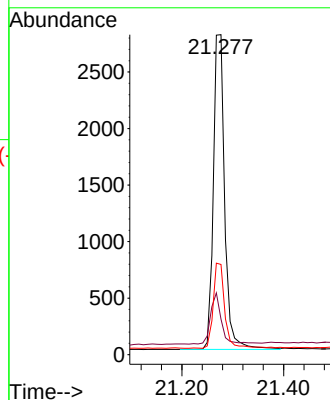
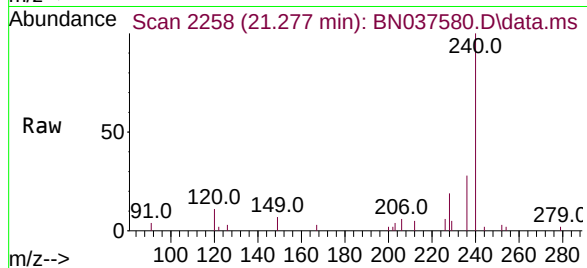
Tgt Ion:240 Resp: 4317

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 28.2 22.6 33.8



#30

Pyrene

Concen: 0.392 ng

RT: 19.512 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

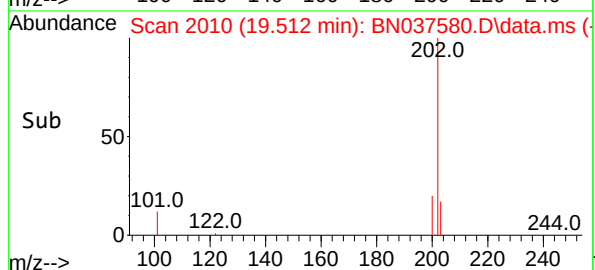
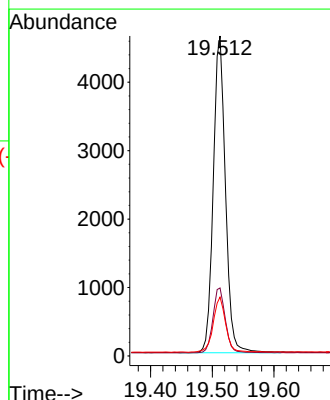
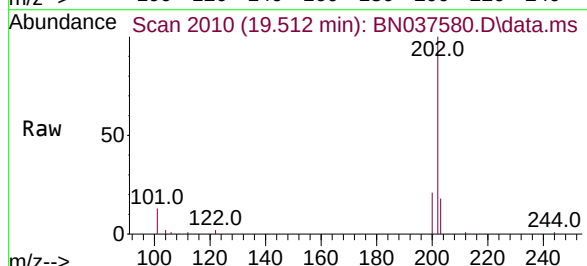
Tgt Ion:202 Resp: 6320

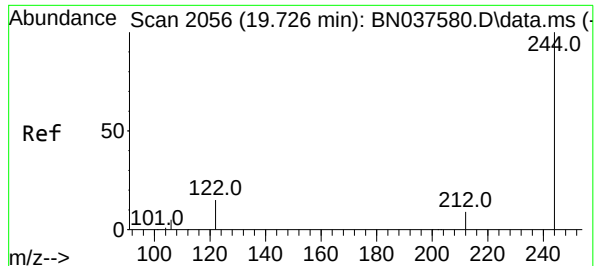
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 17.9 14.3 21.5

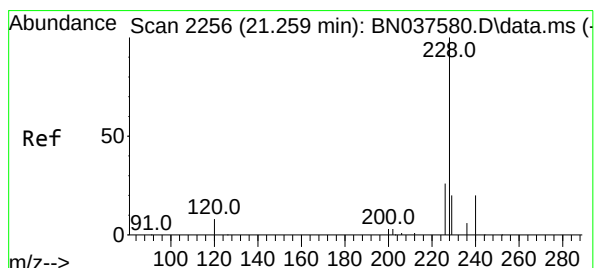
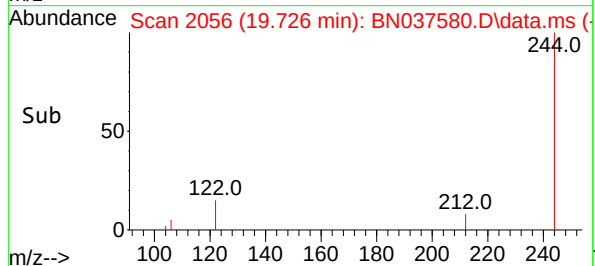
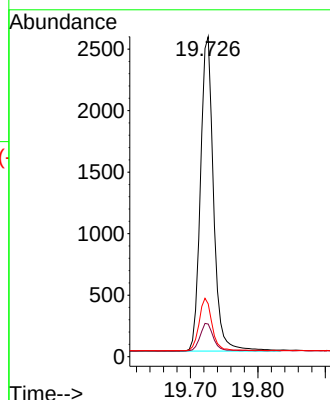
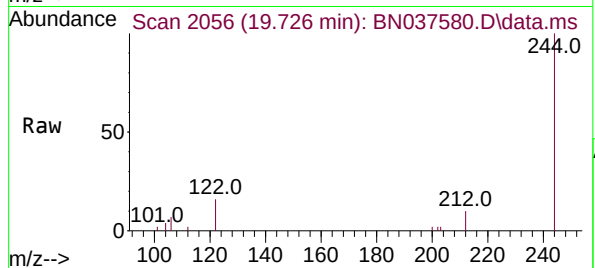




#31
Terphenyl-d14
Concen: 0.387 ng
RT: 19.726 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

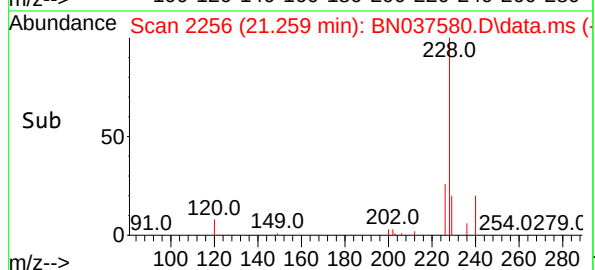
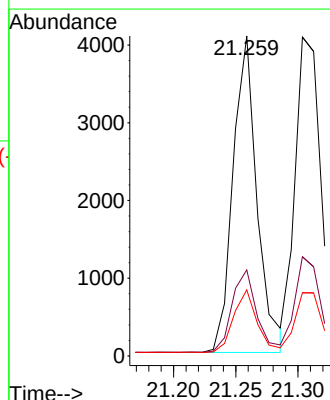
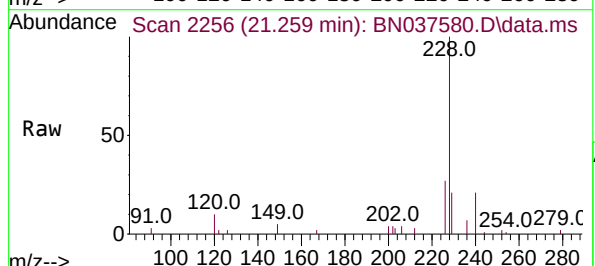
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

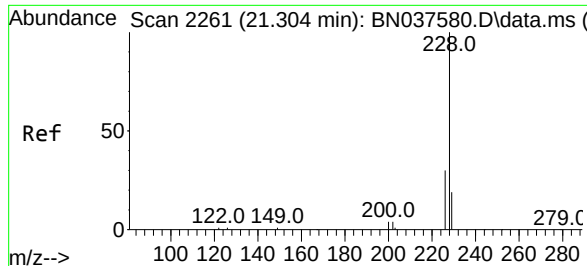
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.2	12.2
122	16.5	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037580.D
Acq: 12 Aug 2025 17:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	20.6	16.5	24.7





#33

Chrysene

Concen: 0.385 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

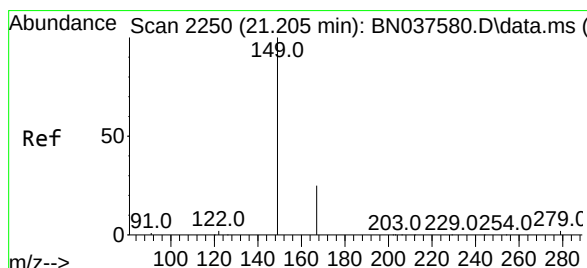
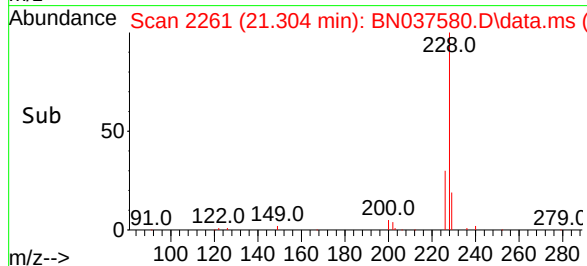
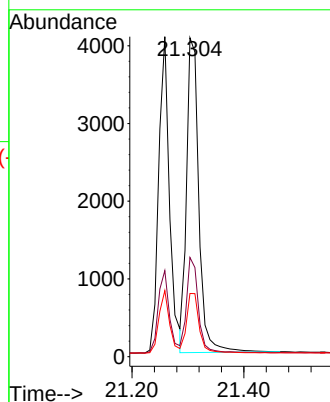
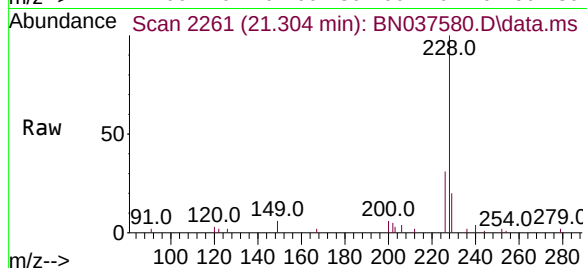
Tgt Ion:228 Resp: 6185

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

229 19.8 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.378 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

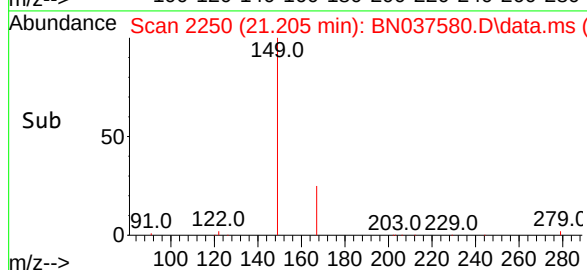
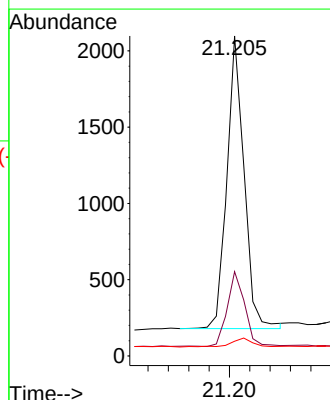
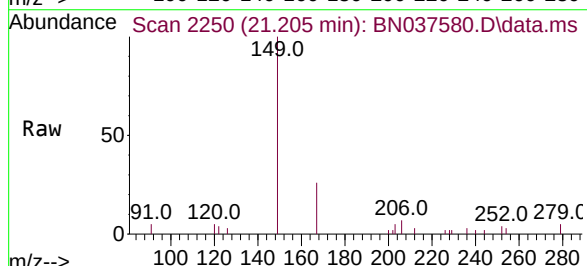
Tgt Ion:149 Resp: 2252

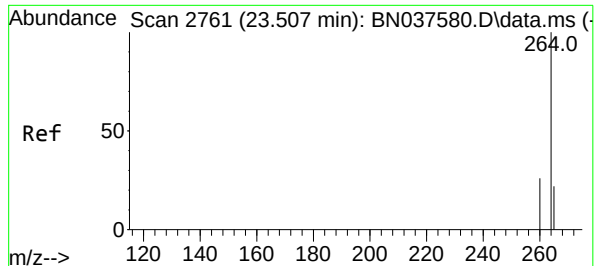
Ion Ratio Lower Upper

149 100

167 25.6 20.5 30.7

279 3.8 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.507 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

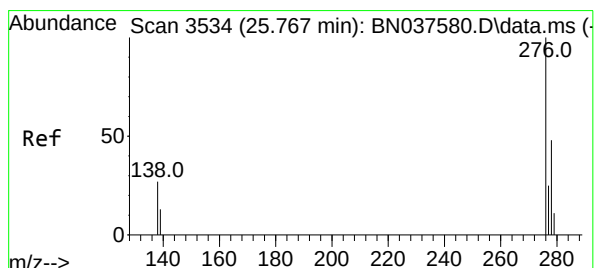
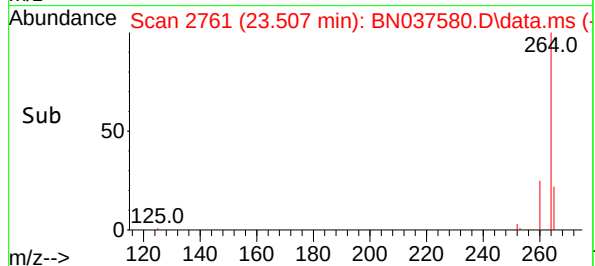
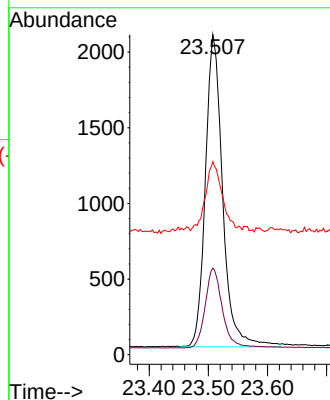
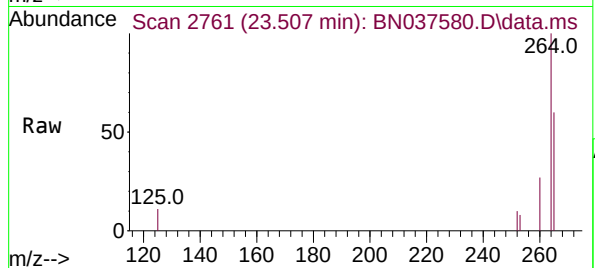
Tgt Ion:264 Resp: 4188

Ion Ratio Lower Upper

264 100

260 27.0 21.6 32.4

265 60.3 48.2 72.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.383 ng

RT: 25.767 min Scan# 3534

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

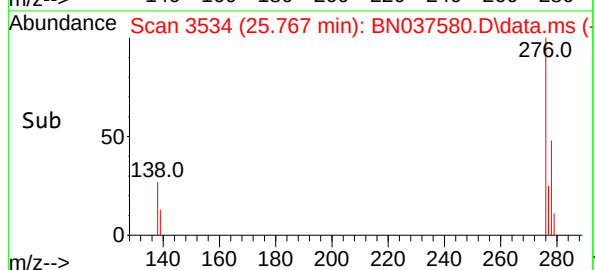
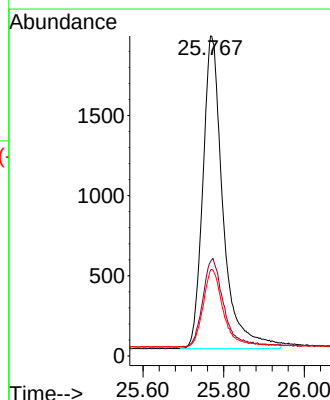
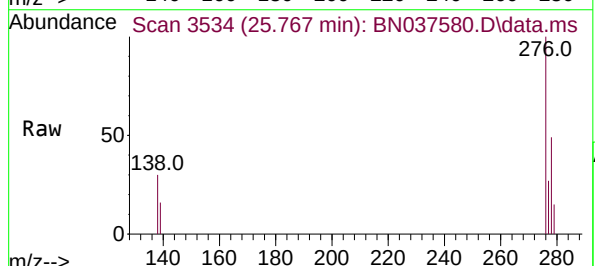
Tgt Ion:276 Resp: 6753

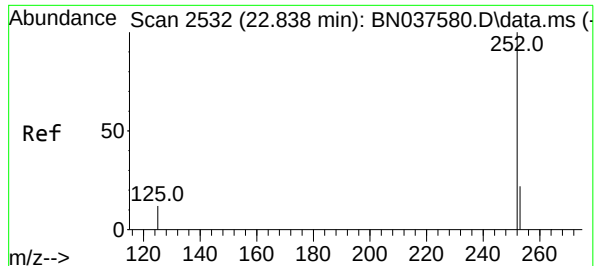
Ion Ratio Lower Upper

276 100

138 29.1 23.3 34.9

277 24.4 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.353 ng

RT: 22.838 min Scan# 2532

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

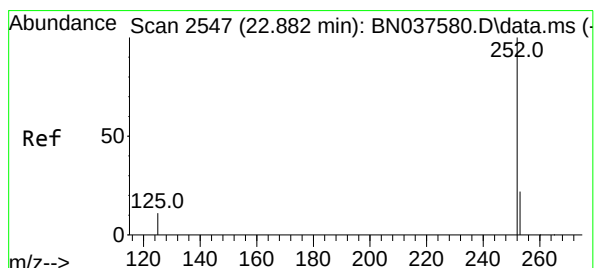
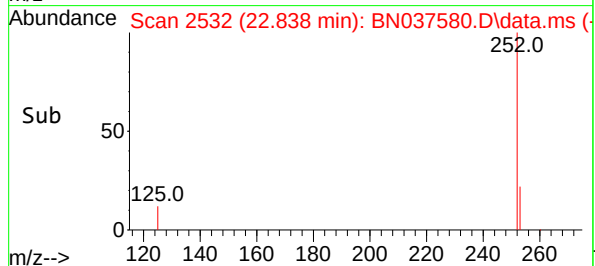
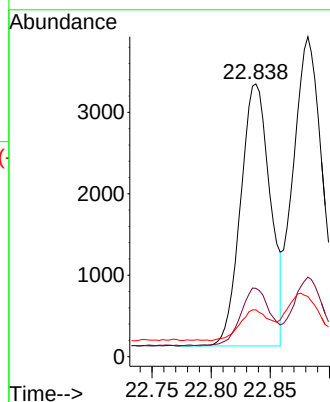
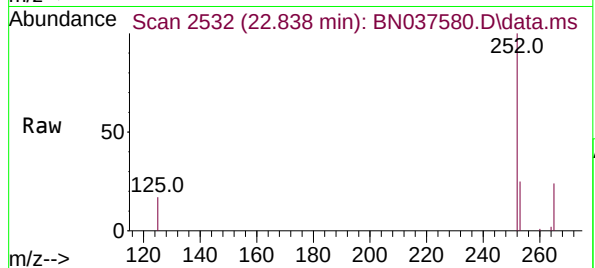
Tgt Ion:252 Resp: 5604

Ion Ratio Lower Upper

252 100

253 25.0 20.0 30.0

125 17.2 13.8 20.6



#38

Benzo(k)fluoranthene

Concen: 0.386 ng

RT: 22.882 min Scan# 2547

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

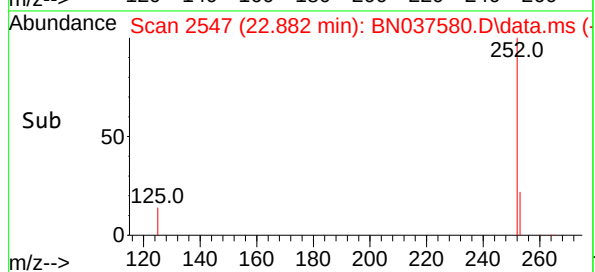
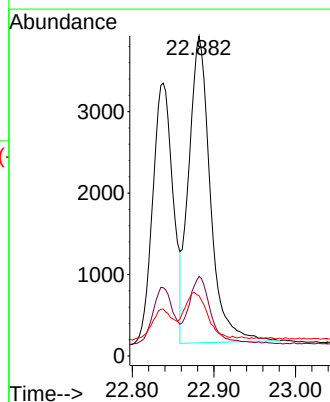
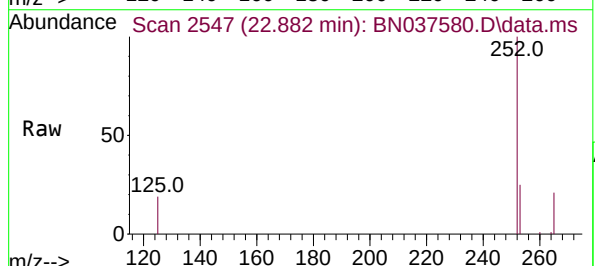
Tgt Ion:252 Resp: 6915

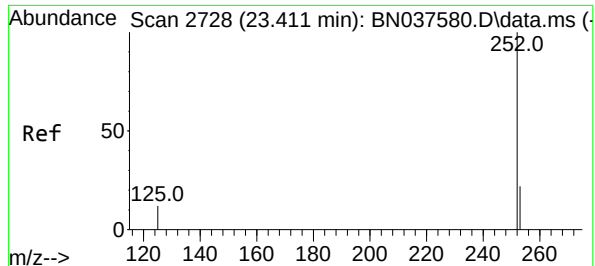
Ion Ratio Lower Upper

252 100

253 24.9 19.9 29.9

125 18.8 15.0 22.6





#39

Benzo(a)pyrene

Concen: 0.366 ng

RT: 23.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

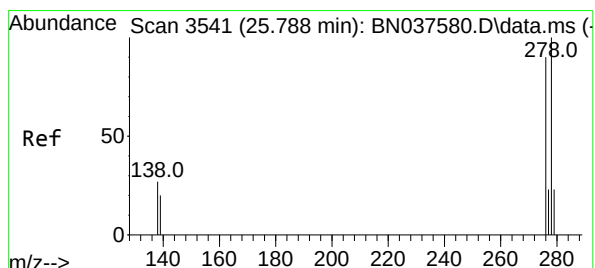
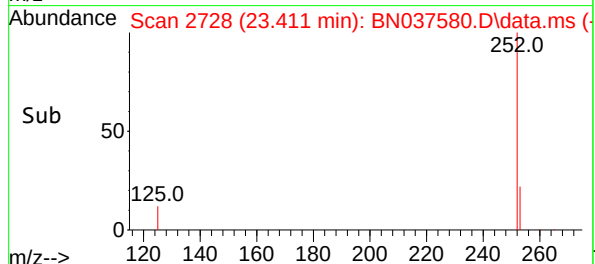
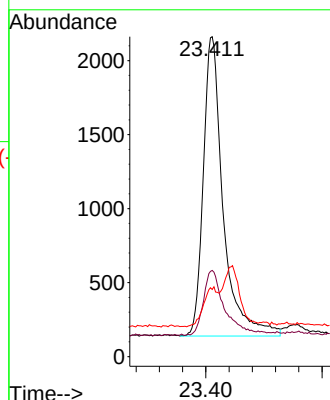
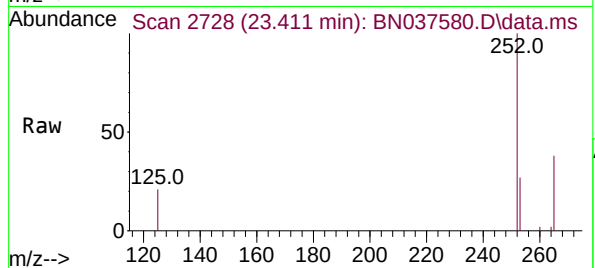
Tgt Ion:252 Resp: 4812

Ion Ratio Lower Upper

252 100

253 27.0 21.6 32.4

125 21.0 16.8 25.2



#40

Dibenzo(a,h)anthracene

Concen: 0.374 ng

RT: 25.788 min Scan# 3541

Delta R.T. 0.000 min

Lab File: BN037580.D

Acq: 12 Aug 2025 17:39

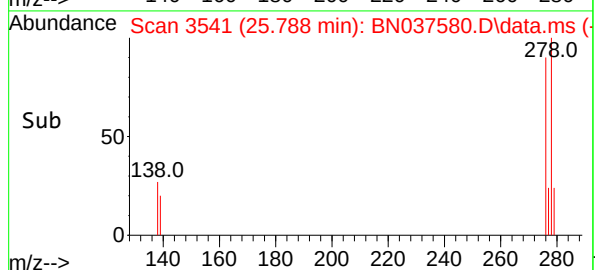
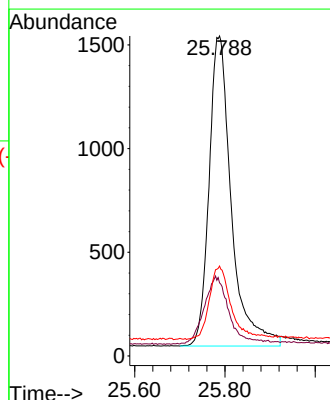
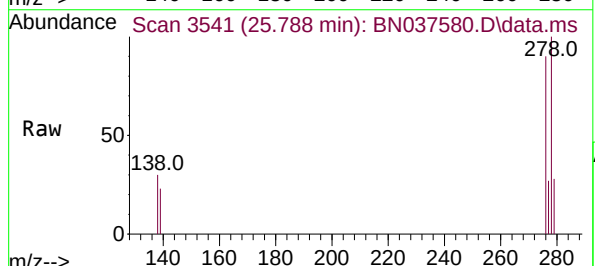
Tgt Ion:278 Resp: 5118

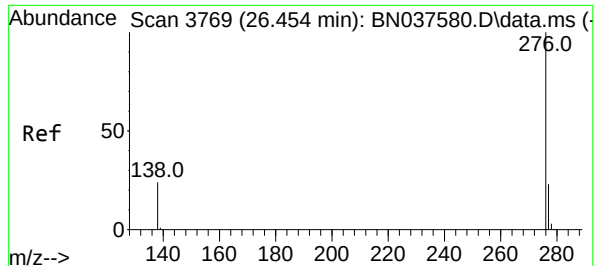
Ion Ratio Lower Upper

278 100

139 22.9 18.3 27.5

279 28.1 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 0.366 ng

RT: 26.454 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037580.D

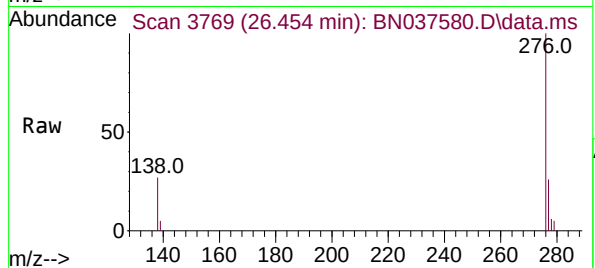
Acq: 12 Aug 2025 17:39

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



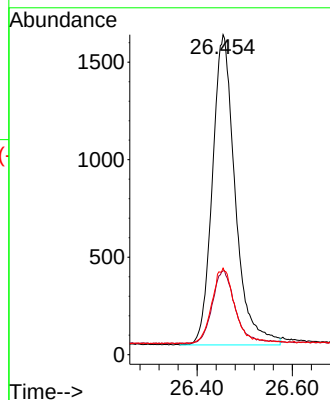
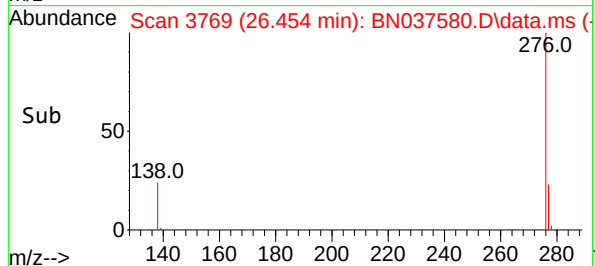
Tgt Ion:276 Resp: 5284

Ion Ratio Lower Upper

276 100

277 26.2 21.0 31.4

138 27.1 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037581.D
 Acq On : 12 Aug 2025 18:16
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Aug 13 04:48:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

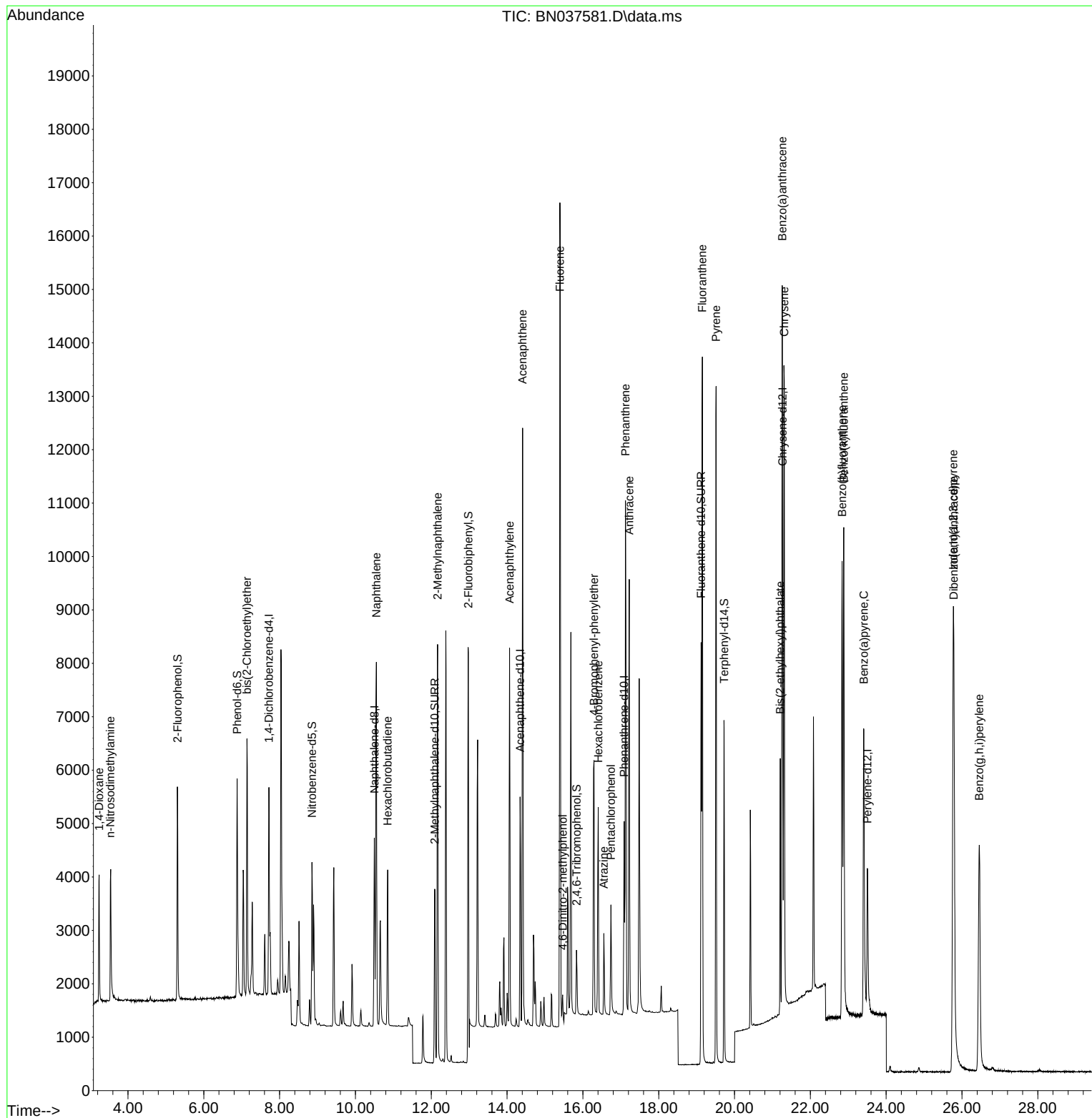
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	1885	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4579	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2311	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4680	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4185	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	3775	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	3101	0.726	ng	0.00
5) Phenol-d6	6.879	99	3707	0.721	ng	0.00
8) Nitrobenzene-d5	8.854	82	2415	0.749	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	4517	0.726	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	739	0.731	ng	0.00
15) 2-Fluorobiphenyl	12.978	172	10405	0.778	ng	0.00
27) Fluoranthene-d10	19.118	212	8750	0.711	ng	0.00
31) Terphenyl-d14	19.726	244	6383	0.741	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.239	88	1386	0.769	ng	96
3) n-Nitrosodimethylamine	3.535	42	1777	0.771	ng	# 96
6) bis(2-Chloroethyl)ether	7.139	93	3530	0.762	ng	98
9) Naphthalene	10.551	128	9265	0.760	ng	99
10) Hexachlorobutadiene	10.850	225	2321	0.779	ng	# 99
12) 2-Methylnaphthalene	12.166	142	5758	0.753	ng	98
16) Acenaphthylene	14.067	152	7638	0.737	ng	99
17) Acenaphthene	14.409	154	5336	0.757	ng	98
18) Fluorene	15.392	166	7030	0.763	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	439	0.697	ng	# 75
21) 4-Bromophenyl-phenylether	16.292	248	2217	0.754	ng	95
22) Hexachlorobenzene	16.404	284	3105	0.745	ng	99
23) Atrazine	16.553	200	1251	0.752	ng	95
24) Pentachlorophenol	16.739	266	1061	0.725	ng	98
25) Phenanthrene	17.124	178	10654	0.749	ng	100
26) Anthracene	17.223	178	9251	0.734	ng	100
28) Fluoranthene	19.150	202	12088	0.740	ng	100
30) Pyrene	19.513	202	11747	0.751	ng	100
32) Benzo(a)anthracene	21.259	228	10489	0.750	ng	100
33) Chrysene	21.313	228	11541	0.741	ng	98
34) Bis(2-ethylhexyl)phtha...	21.205	149	4046	0.701	ng	100
36) Indeno(1,2,3-cd)pyrene	25.770	276	11835	0.744	ng	98
37) Benzo(b)fluoranthene	22.838	252	10811	0.756	ng	95
38) Benzo(k)fluoranthene	22.882	252	12288	0.761	ng	# 94
39) Benzo(a)pyrene	23.408	252	8737	0.736	ng	# 93
40) Dibenzo(a,h)anthracene	25.785	278	9175	0.743	ng	96
41) Benzo(g,h,i)perylene	26.454	276	9524	0.732	ng	98

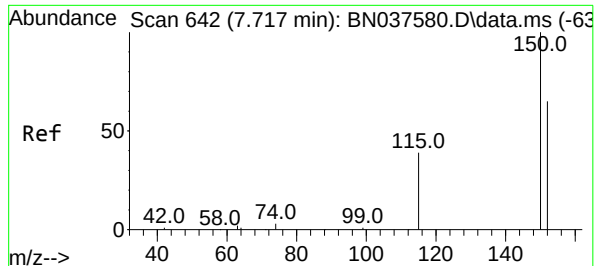
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037581.D
Acq On : 12 Aug 2025 18:16
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

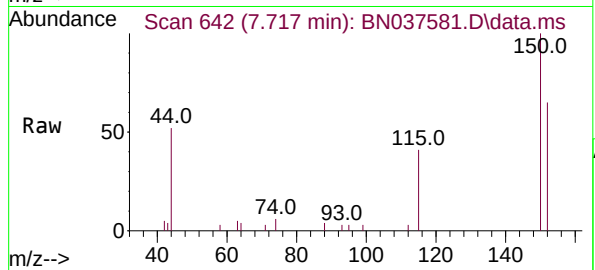
Quant Time: Aug 13 04:48:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration



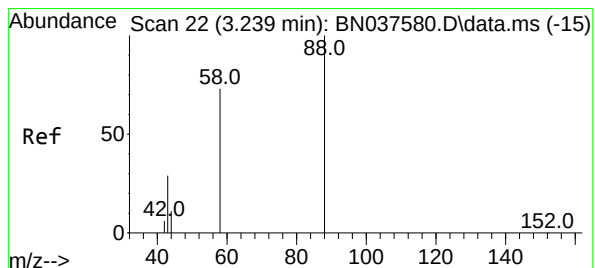
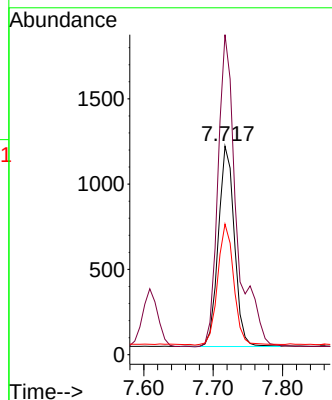
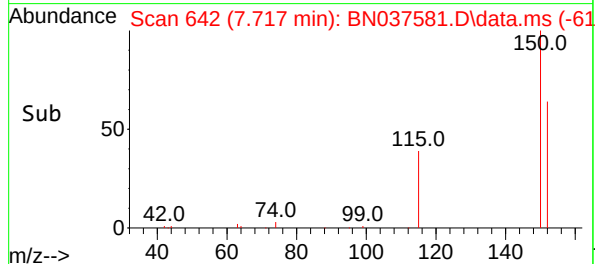


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

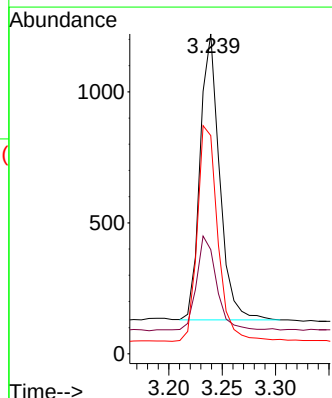
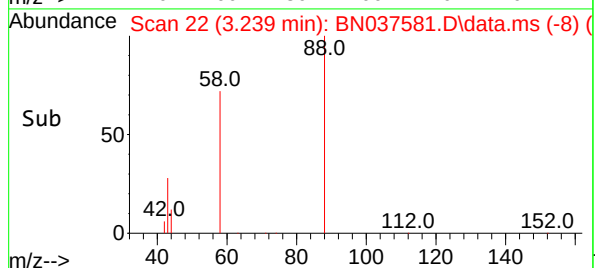
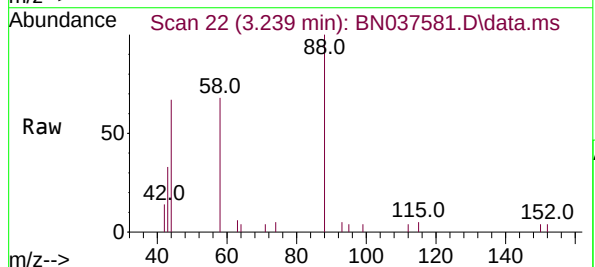


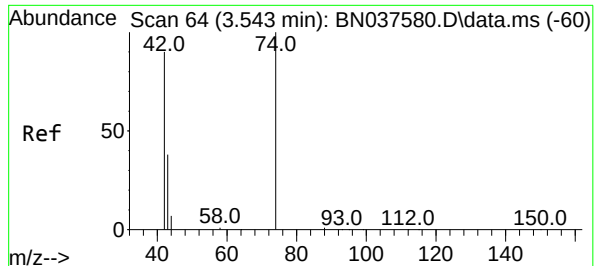
Tgt Ion: 152 Resp: 1885
Ion Ratio Lower Upper
152 100
150 153.5 122.2 183.4
115 62.7 49.8 74.6



#2
1,4-Dioxane
Concen: 0.769 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion: 88 Resp: 1386
Ion Ratio Lower Upper
88 100
43 35.4 25.8 38.6
58 79.9 61.2 91.8

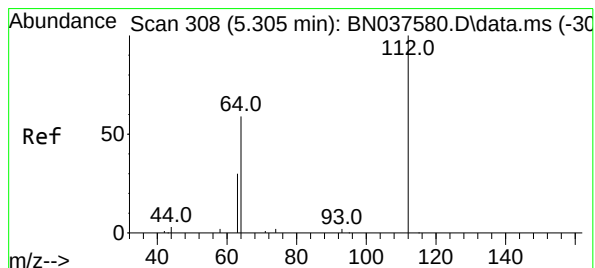
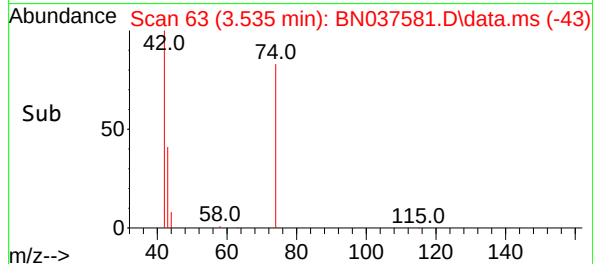
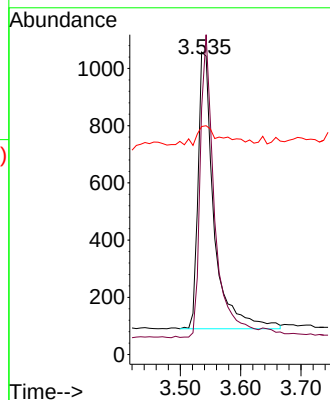
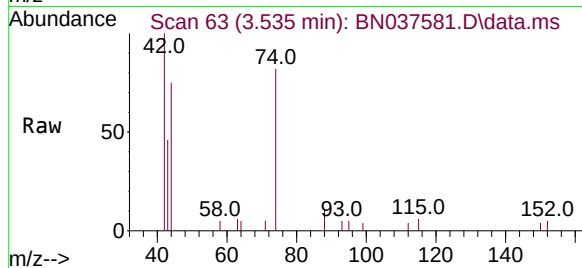




#3
n-Nitrosodimethylamine
Concen: 0.771 ng
RT: 3.535 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

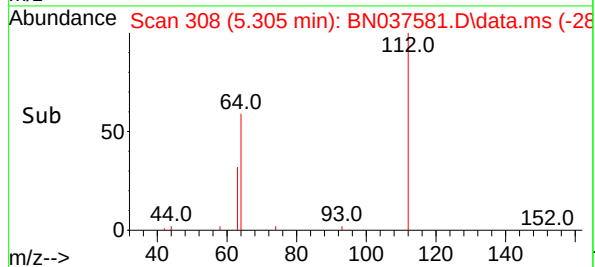
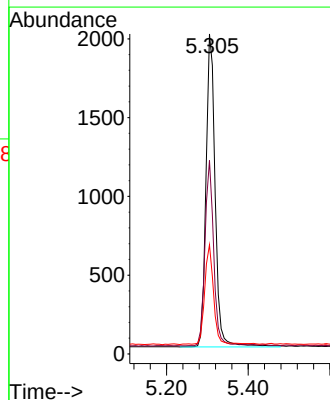
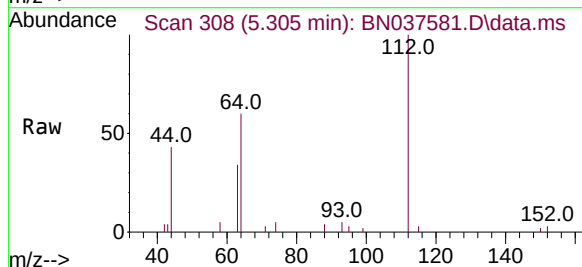
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

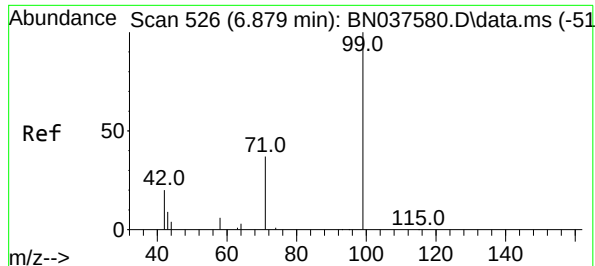
Tgt Ion: 42 Resp: 1777
Ion Ratio Lower Upper
42 100
74 98.9 82.0 123.0
44 12.9 7.9 11.9#



#4
2-Fluorophenol
Concen: 0.726 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion: 112 Resp: 3101
Ion Ratio Lower Upper
112 100
64 56.5 44.9 67.3
63 31.0 23.4 35.2





#5

Phenol-d6

Concen: 0.721 ng

RT: 6.879 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

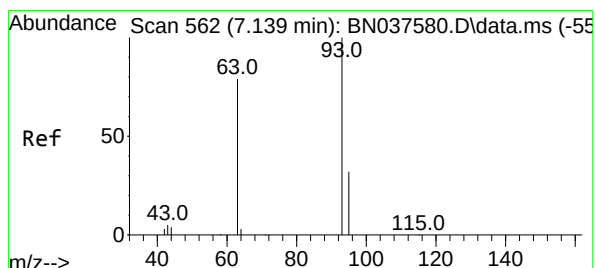
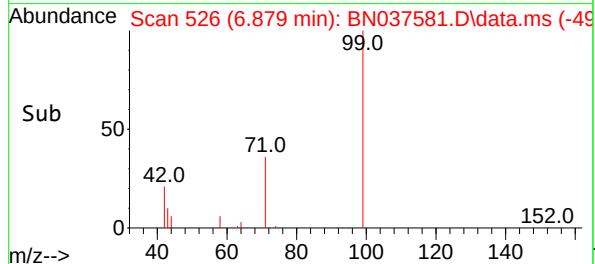
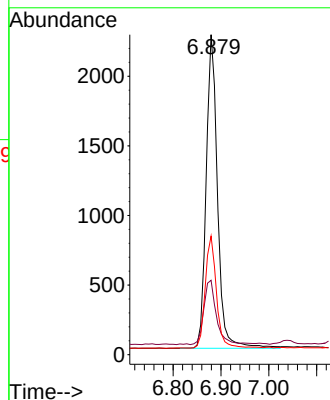
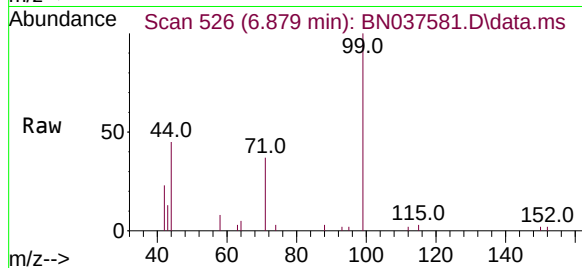
Tgt Ion: 99 Resp: 3707

Ion Ratio Lower Upper

99 100

42 22.9 18.5 27.7

71 35.5 28.6 42.8



#6

bis(2-Chloroethyl)ether

Concen: 0.762 ng

RT: 7.139 min Scan# 562

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

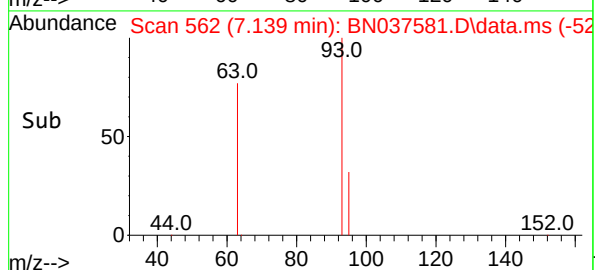
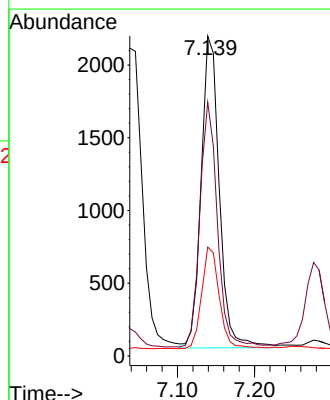
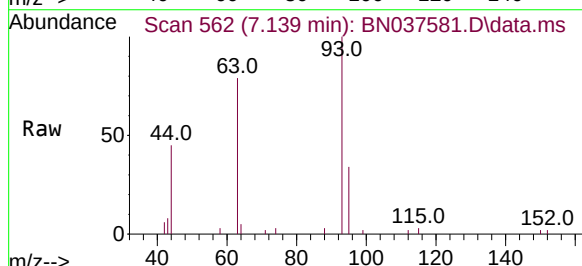
Tgt Ion: 93 Resp: 3530

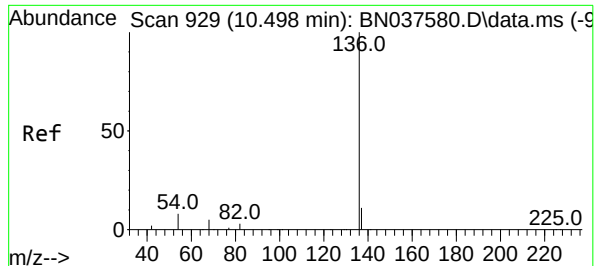
Ion Ratio Lower Upper

93 100

63 74.6 58.0 87.0

95 31.4 24.9 37.3

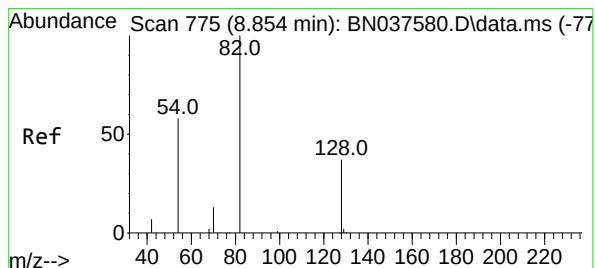
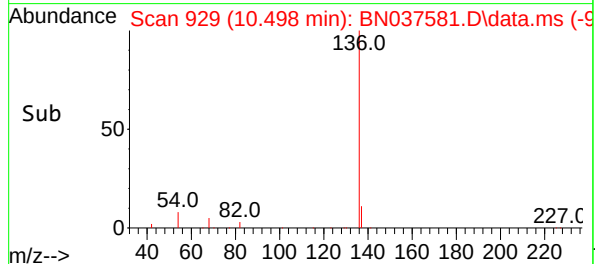
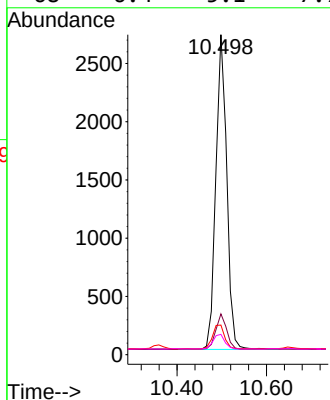
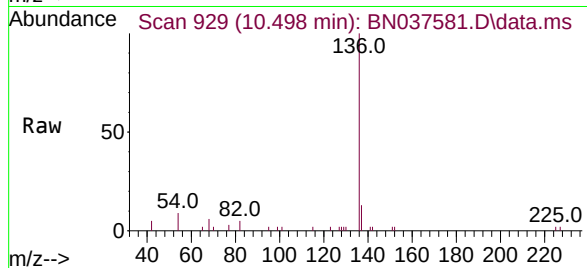




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

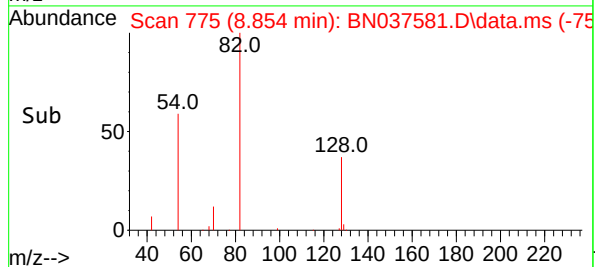
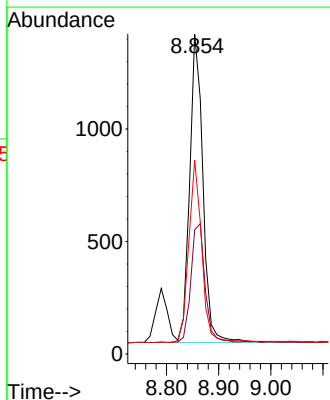
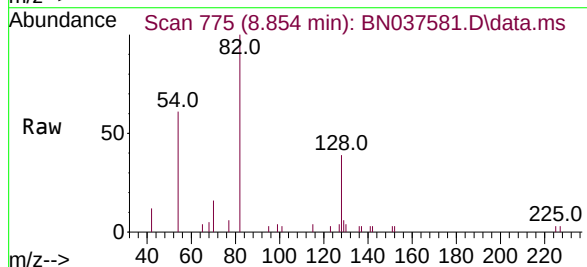
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

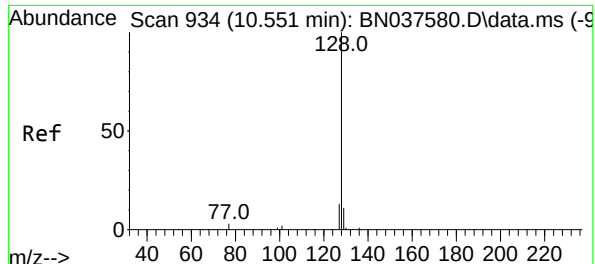
Tgt Ion:	136	Resp:	4579
Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	9.3	7.3	10.9
68	6.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.749 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion:	82	Resp:	2415
Ion	Ratio	Lower	Upper
82	100		
128	38.9	32.6	48.8
54	60.6	48.9	73.3





#9
Naphthalene

Concen: 0.760 ng

RT: 10.551 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

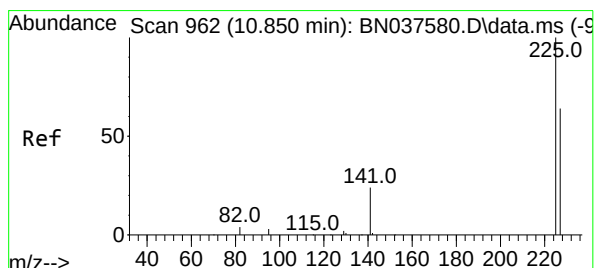
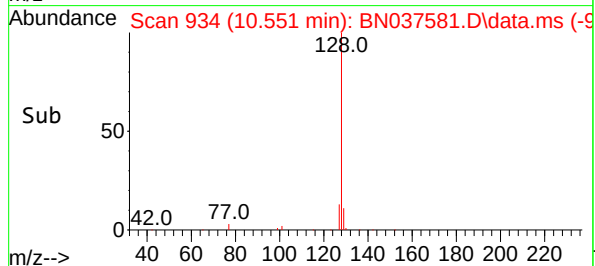
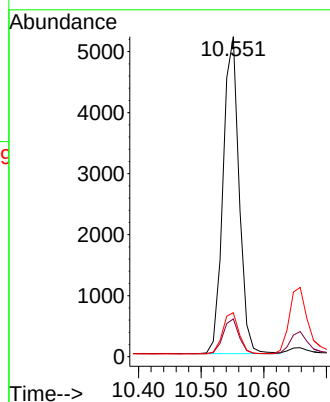
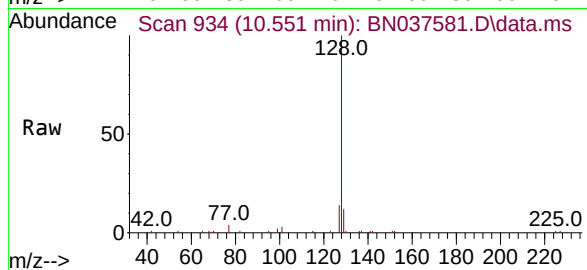
Tgt Ion:128 Resp: 9265

Ion	Ratio	Lower	Upper

128	100		

129	11.8	9.8	14.6

127	13.8	11.5	17.3



#10

Hexachlorobutadiene

Concen: 0.779 ng

RT: 10.850 min Scan# 962

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

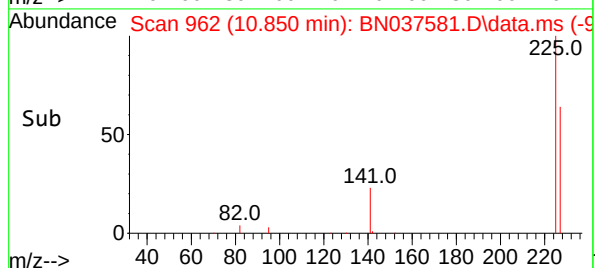
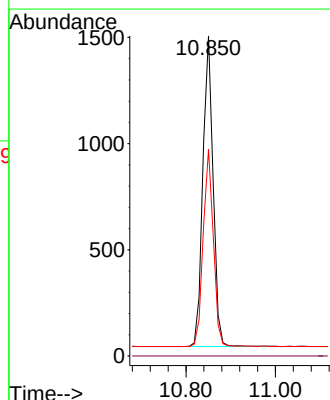
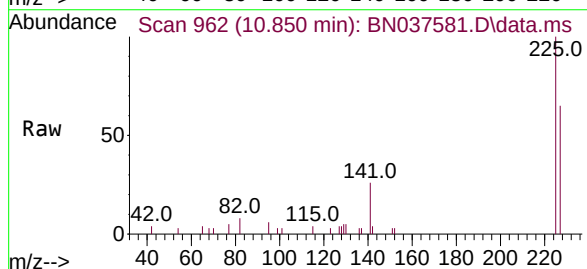
Tgt Ion:225 Resp: 2321

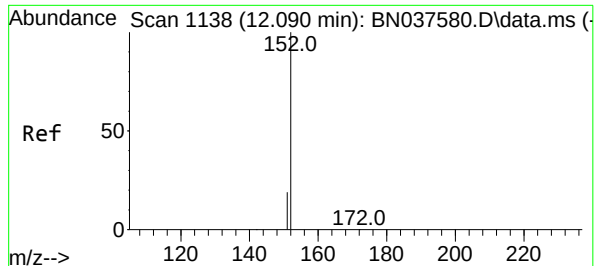
Ion	Ratio	Lower	Upper

225	100		

223	0.0	0.0	0.0

227	63.0	50.8	76.2

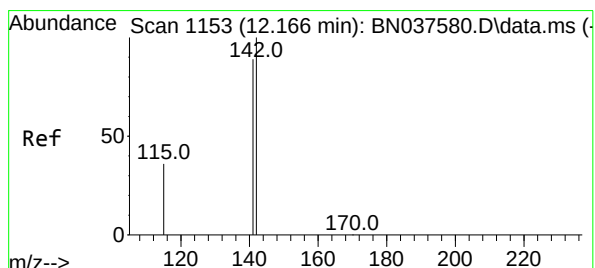
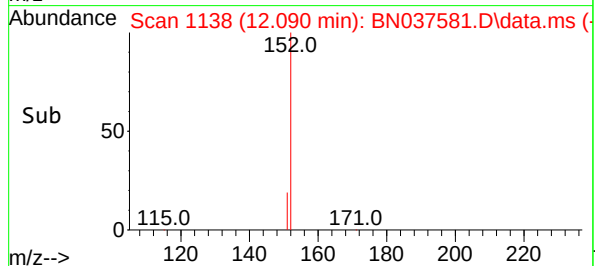
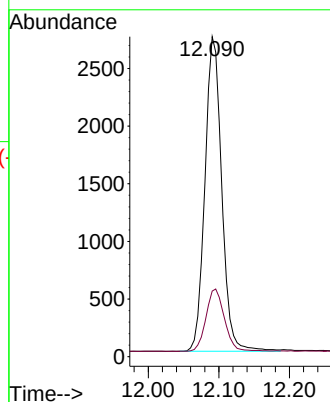
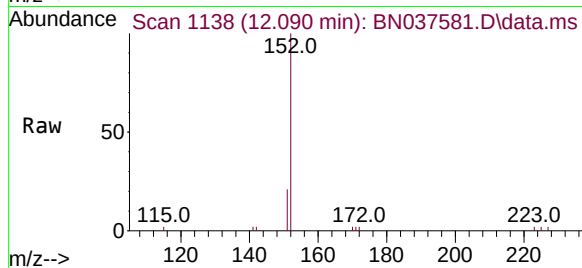




#11
2-Methylnaphthalene-d10
Concen: 0.726 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

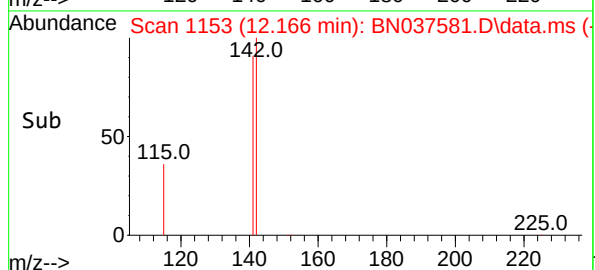
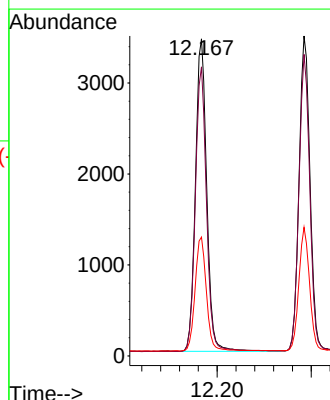
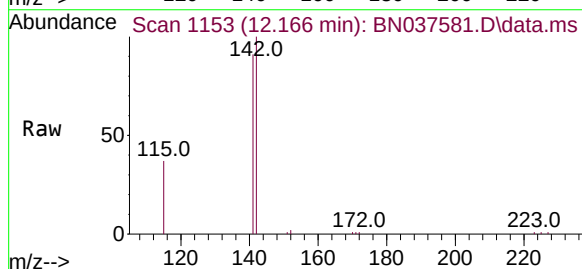
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

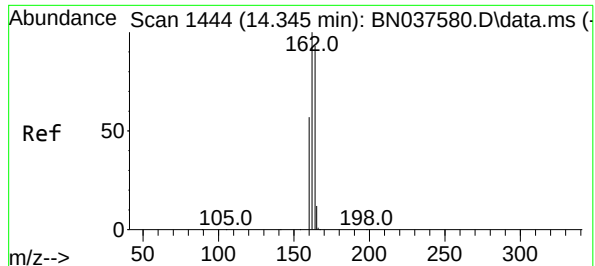
Tgt Ion:152 Resp: 4517
Ion Ratio Lower Upper
152 100
151 21.9 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.753 ng
RT: 12.166 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion:142 Resp: 5758
Ion Ratio Lower Upper
142 100
141 91.2 71.4 107.0
115 37.5 30.2 45.4

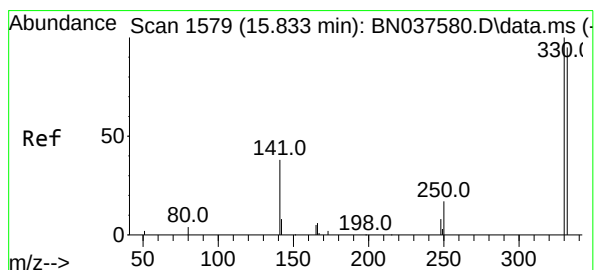
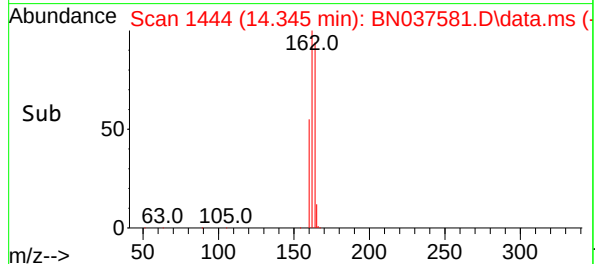
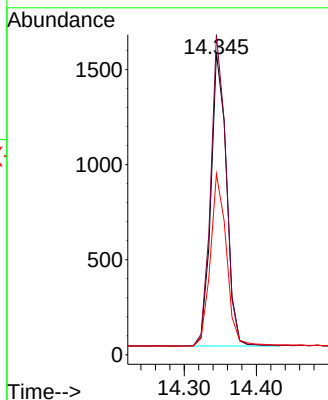
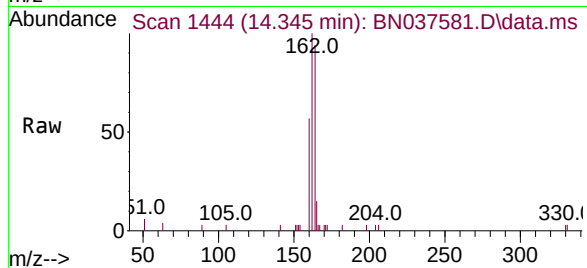




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

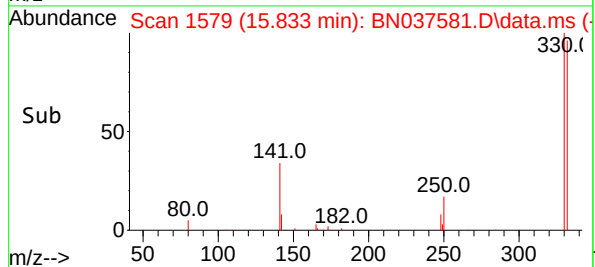
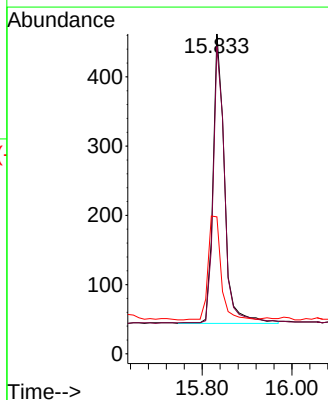
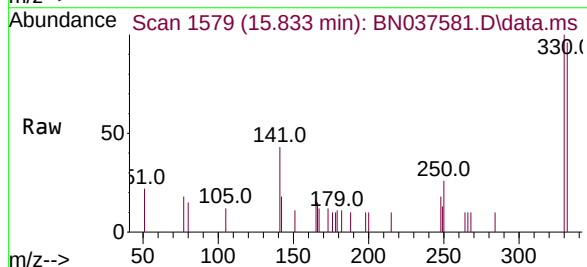
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

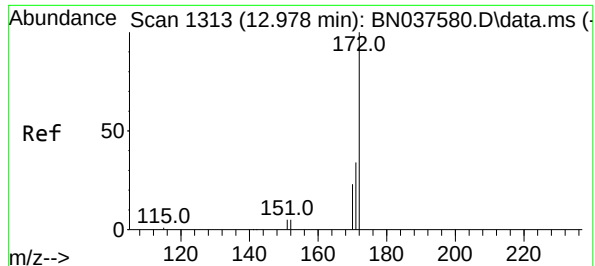
Tgt Ion:164 Resp: 2311
Ion Ratio Lower Upper
164 100
162 105.9 85.5 128.3
160 59.8 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.731 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion:330 Resp: 739
Ion Ratio Lower Upper
330 100
332 94.3 77.4 116.0
141 40.5 30.9 46.3

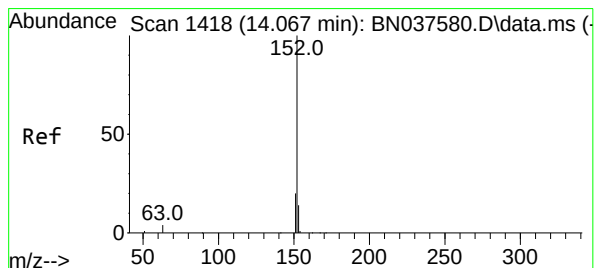
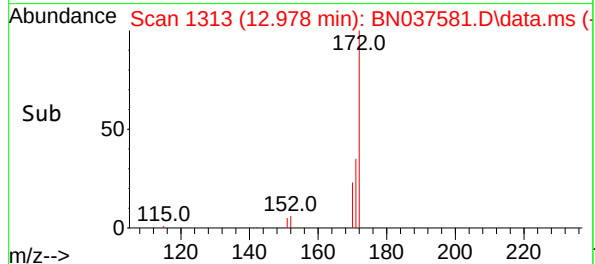
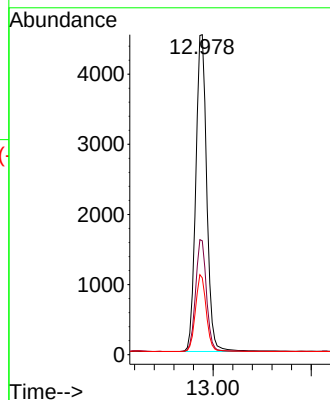
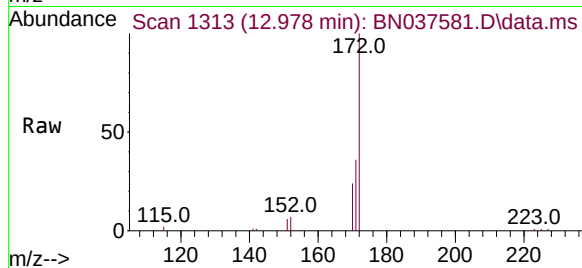




#15
2-Fluorobiphenyl
Concen: 0.778 ng
RT: 12.978 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

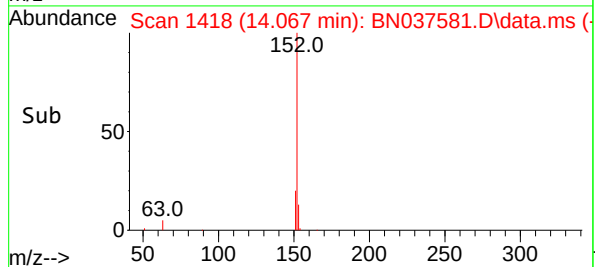
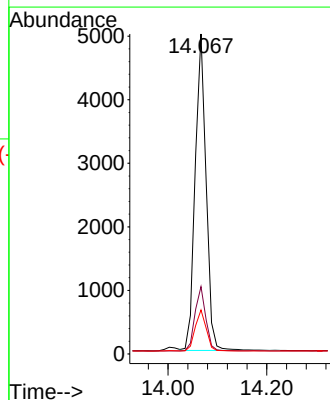
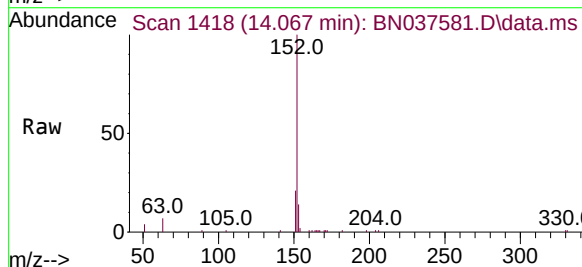
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

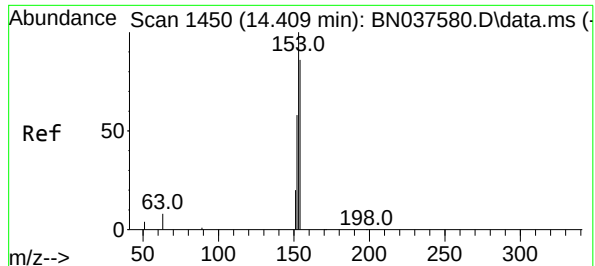
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	24.0	19.2	28.8



#16
Acenaphthylene
Concen: 0.737 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.1	10.7	16.1

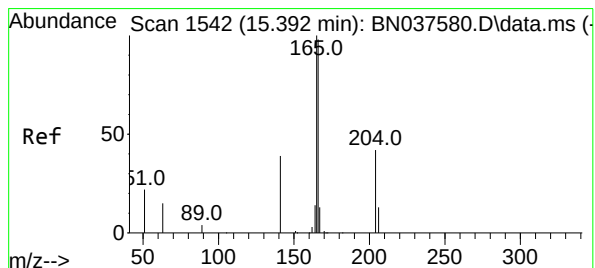
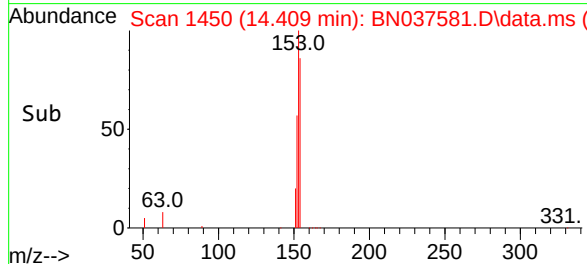
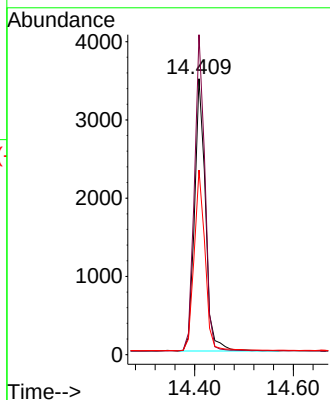
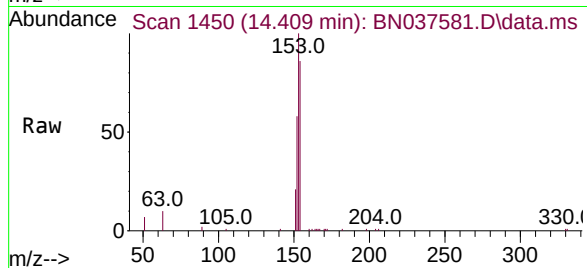




#17
Acenaphthene
Concen: 0.757 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

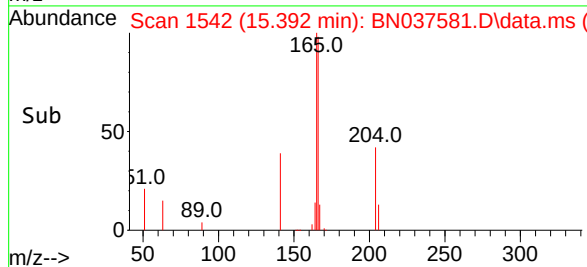
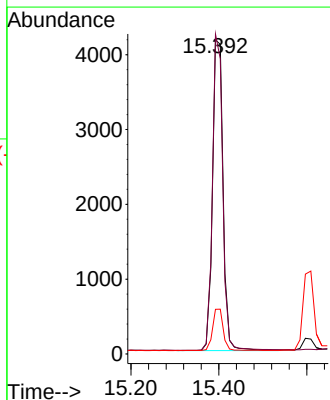
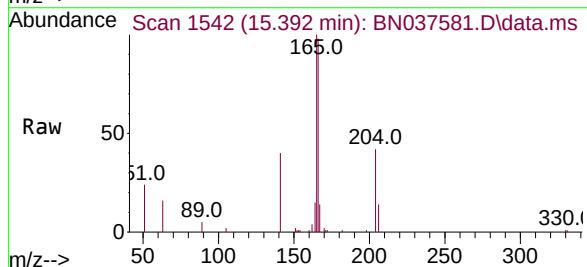
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

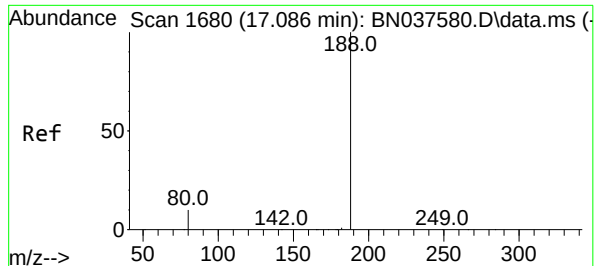
Tgt Ion:154 Resp: 5336
Ion Ratio Lower Upper
154 100
153 111.8 90.6 135.8
152 66.9 54.9 82.3



#18
Fluorene
Concen: 0.763 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion:166 Resp: 7030
Ion Ratio Lower Upper
166 100
165 99.5 78.9 118.3
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

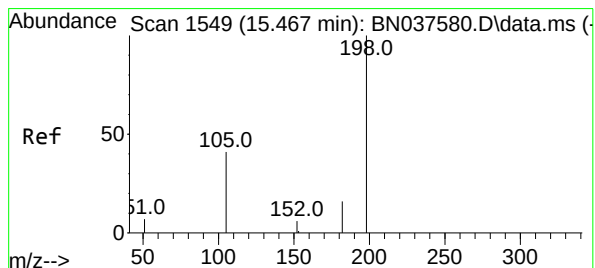
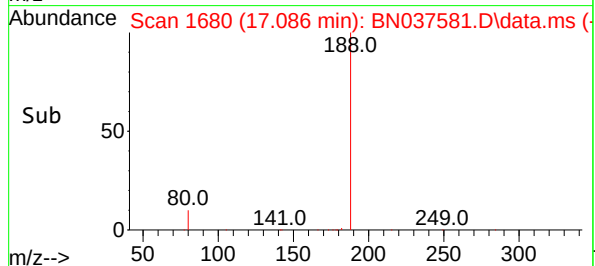
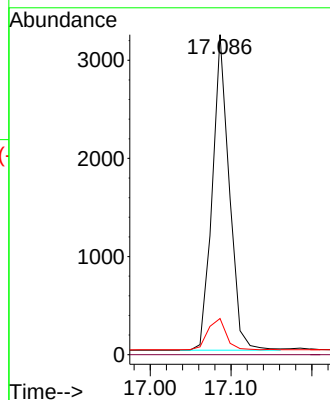
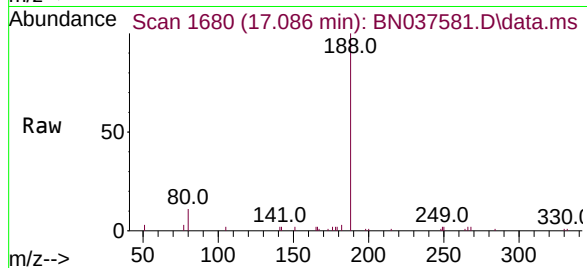
Tgt Ion:188 Resp: 4680

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.697 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

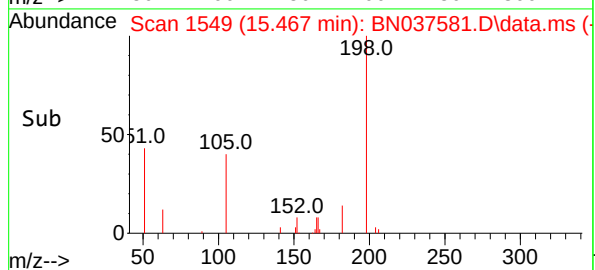
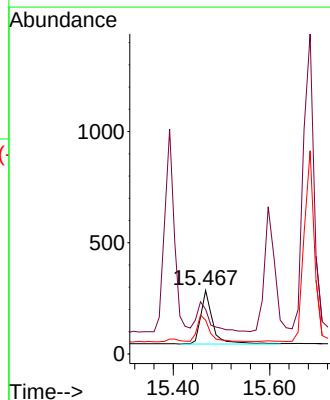
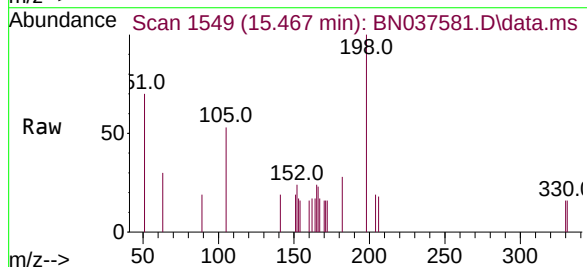
Tgt Ion:198 Resp: 439

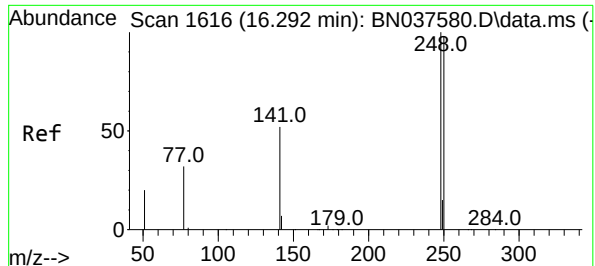
Ion Ratio Lower Upper

198 100

51 70.3 81.0 121.6#

105 53.1 52.5 78.7

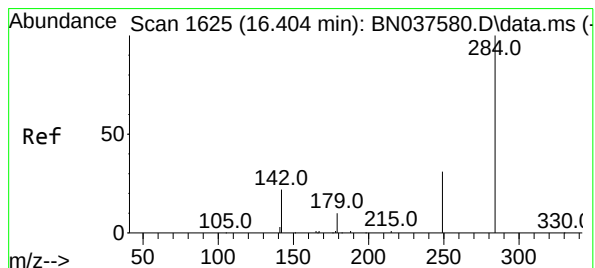
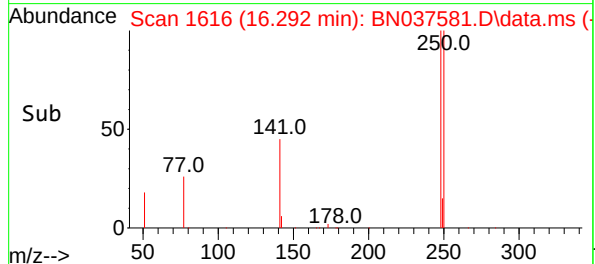
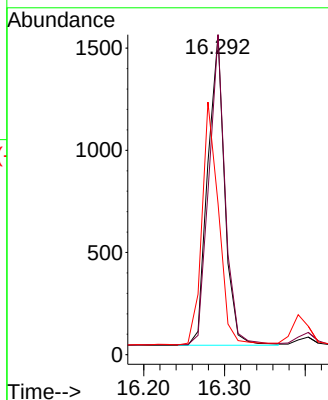
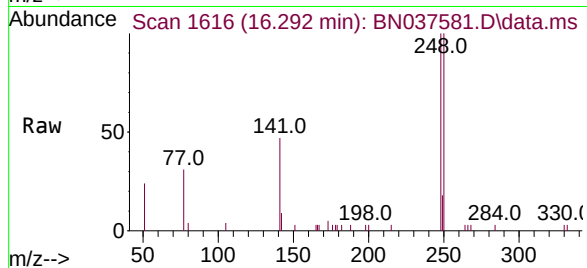




#21
4-Bromophenyl-phenylether
Concen: 0.754 ng
RT: 16.292 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

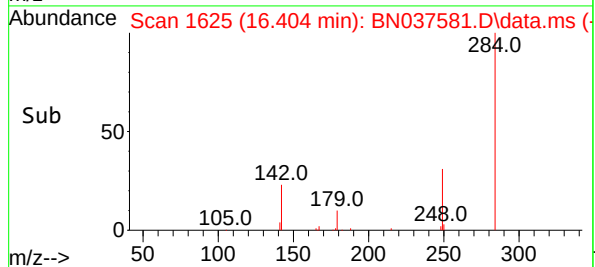
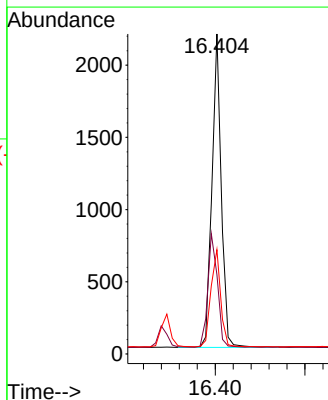
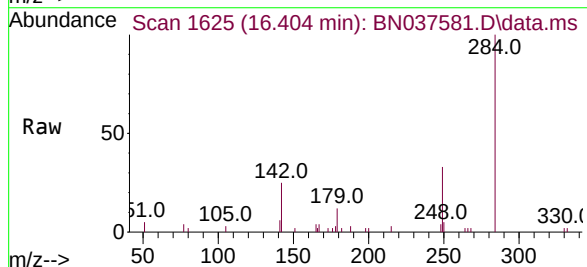
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

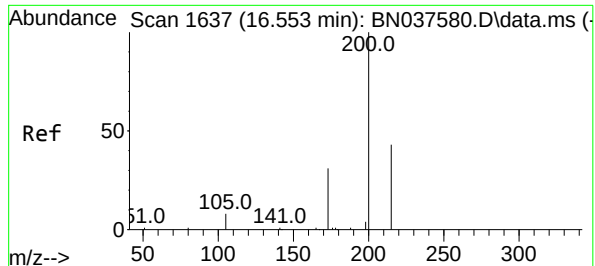
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.1	78.6	118.0
141	47.3	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.745 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.6	29.8	44.6
249	32.9	26.0	39.0

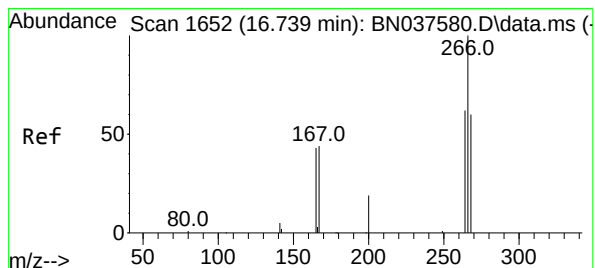
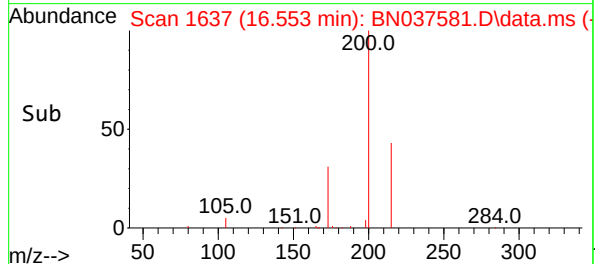
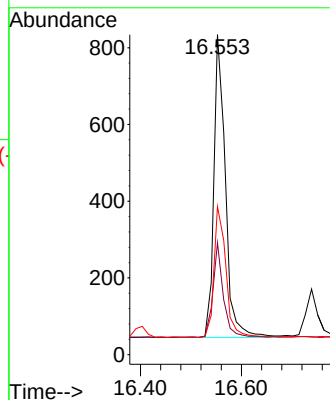
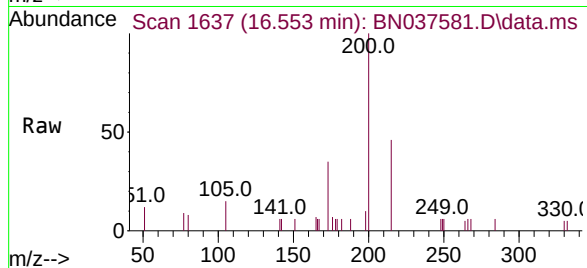




#23
Atrazine
Concen: 0.752 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

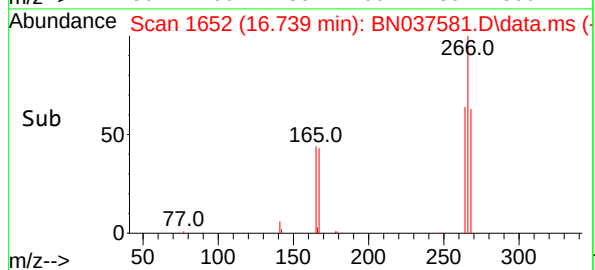
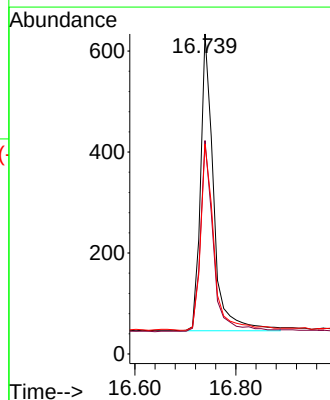
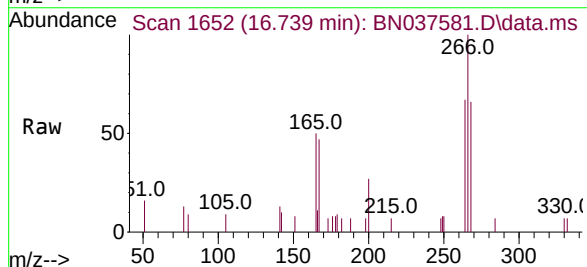
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

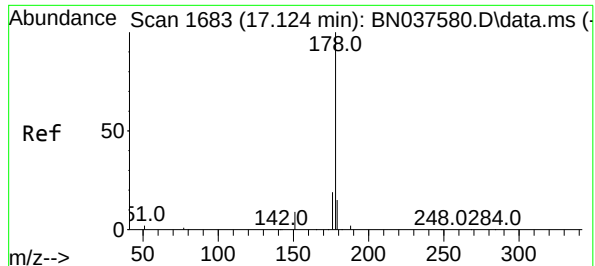
Tgt Ion	200	Resp:	1251
Ion	Ratio	Lower	Upper
200	100		
173	35.0	31.0	46.4
215	46.3	39.4	59.0



#24
Pentachlorophenol
Concen: 0.725 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion	266	Resp:	1061
Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.6	74.4
268	63.9	49.2	73.8

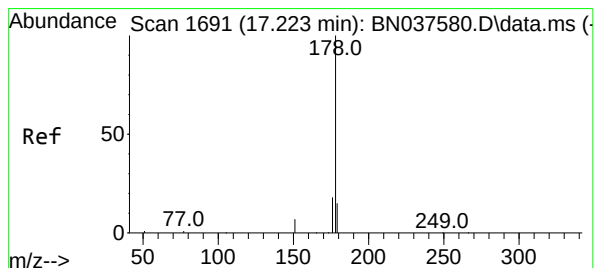
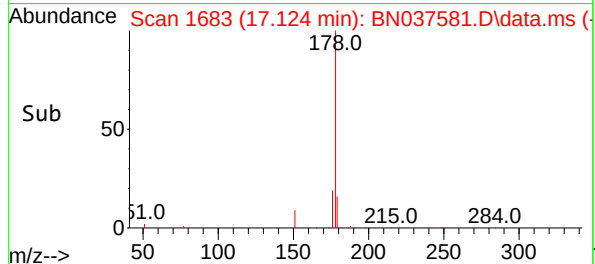
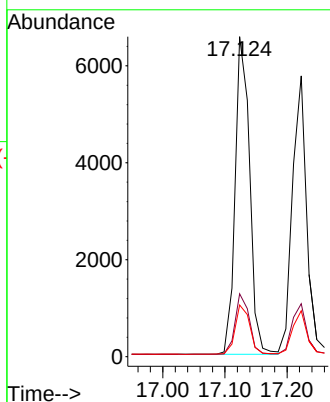
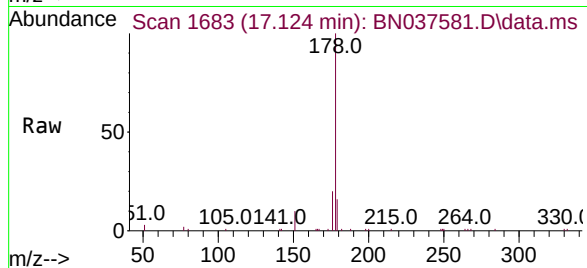




#25
Phenanthrene
Concen: 0.749 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

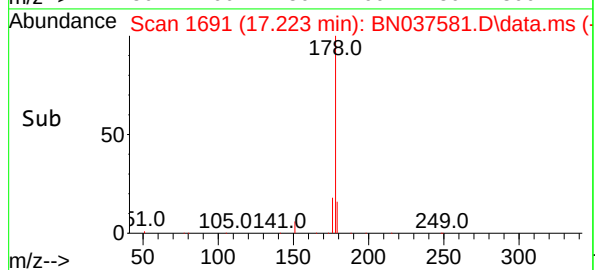
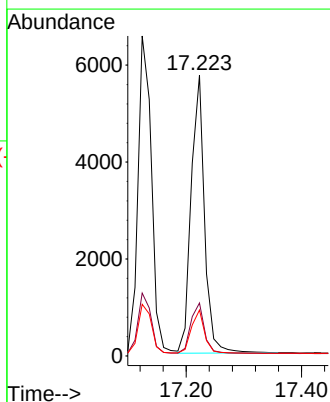
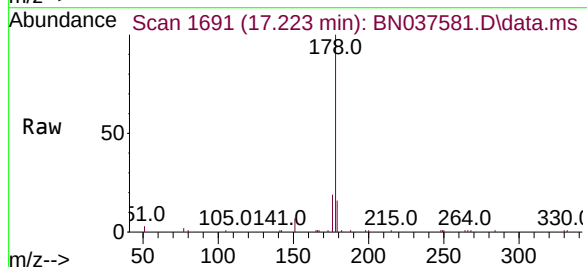
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

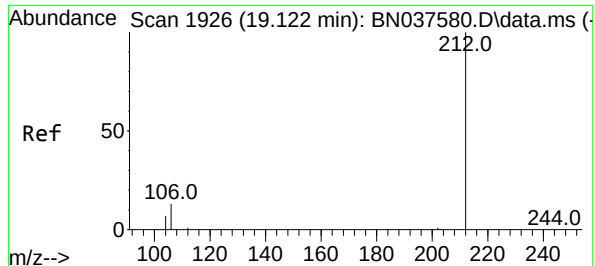
Tgt Ion:178 Resp: 10654
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.3 18.5



#26
Anthracene
Concen: 0.734 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion:178 Resp: 9251
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.6 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.711 ng

RT: 19.118 min Scan# 19

Delta R.T. -0.005 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

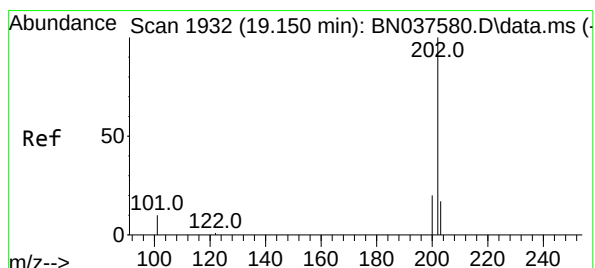
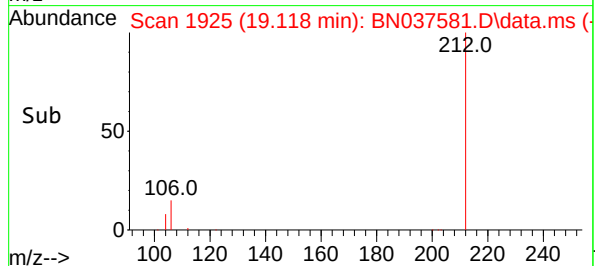
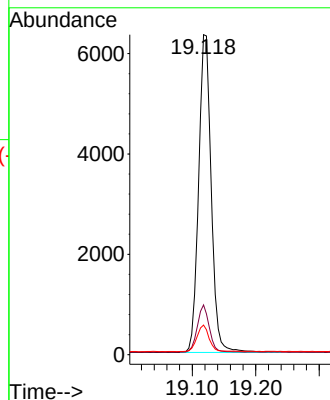
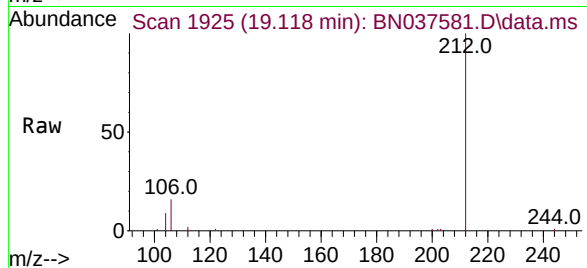
Tgt Ion:212 Resp: 8750

Ion Ratio Lower Upper

212 100

106 14.1 11.5 17.3

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.740 ng

RT: 19.150 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

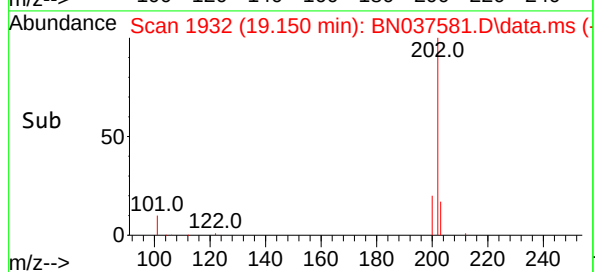
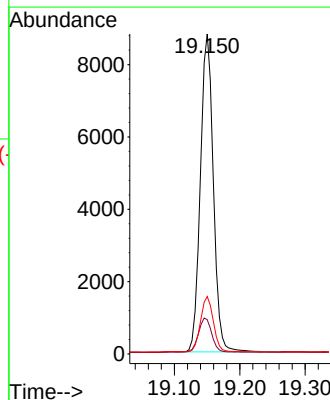
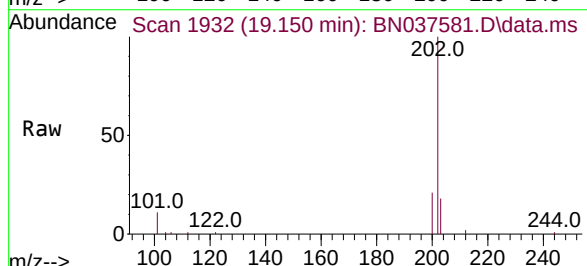
Tgt Ion:202 Resp: 12088

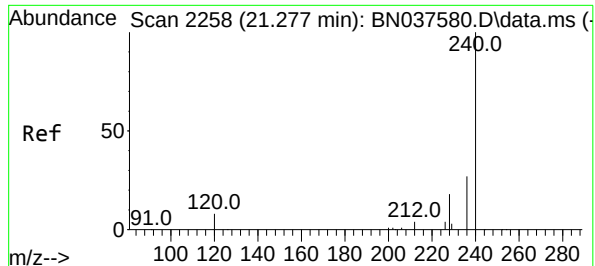
Ion Ratio Lower Upper

202 100

101 11.3 9.0 13.6

203 17.4 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

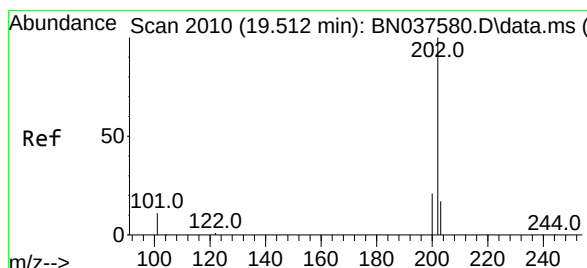
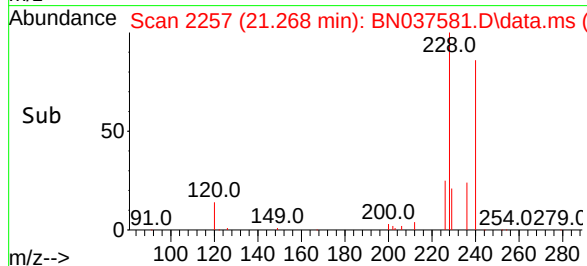
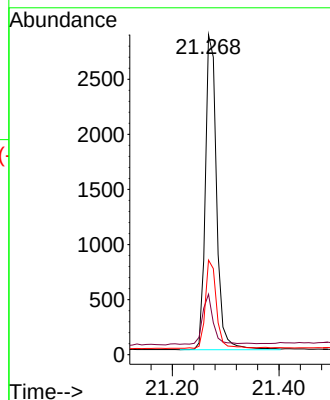
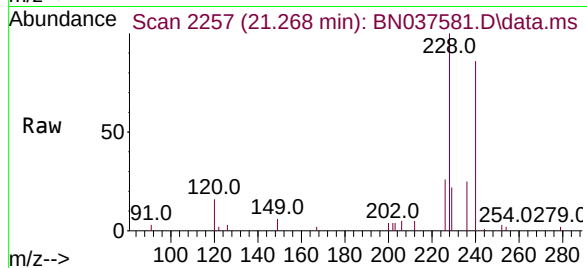
Tgt Ion:240 Resp: 4185

Ion Ratio Lower Upper

240 100

120 18.9 8.9 13.3#

236 29.5 22.6 33.8



#30

Pyrene

Concen: 0.751 ng

RT: 19.513 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

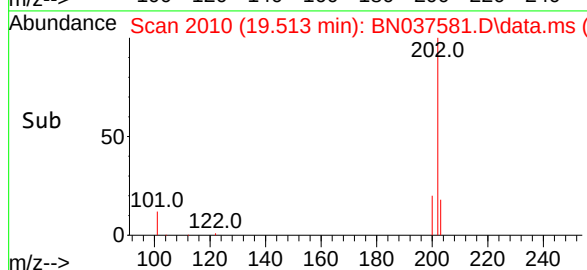
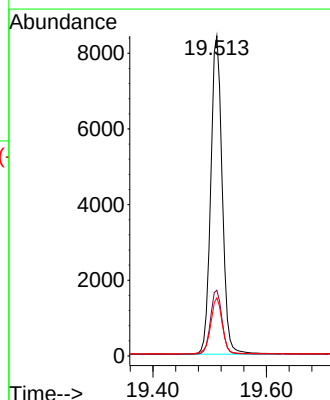
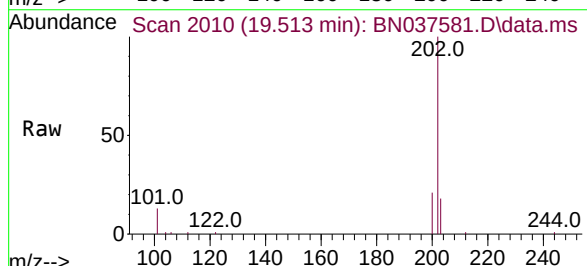
Tgt Ion:202 Resp: 11747

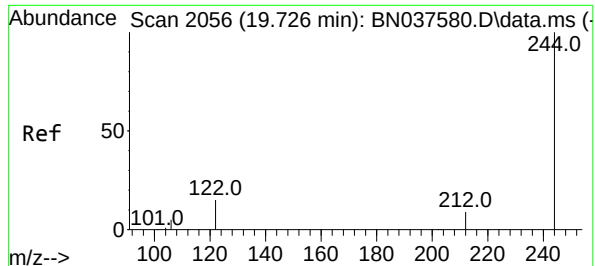
Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

203 17.9 14.3 21.5

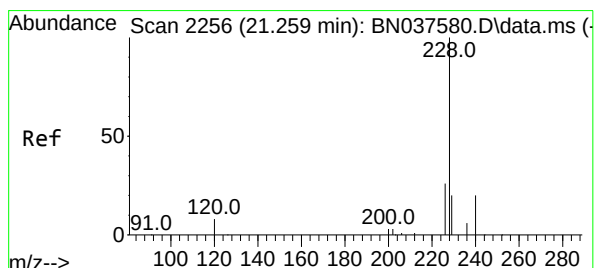
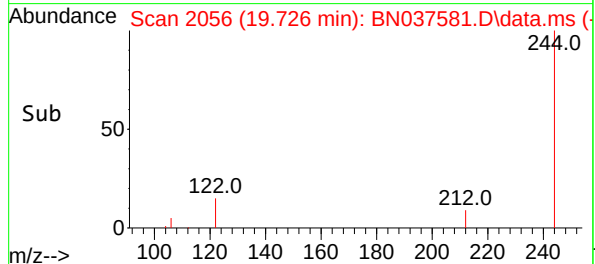
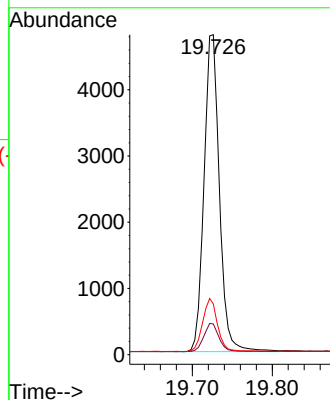
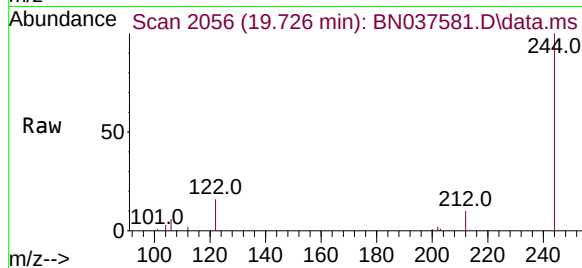




#31
Terphenyl-d14
Concen: 0.741 ng
RT: 19.726 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

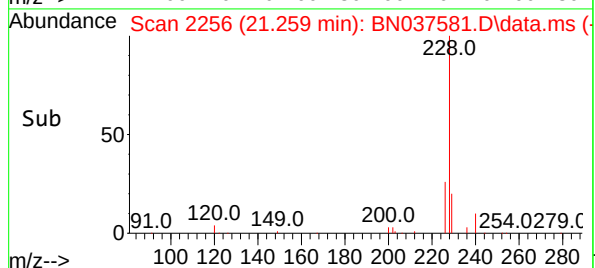
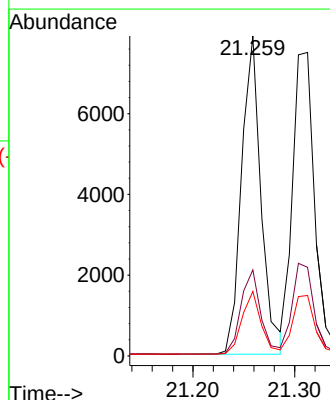
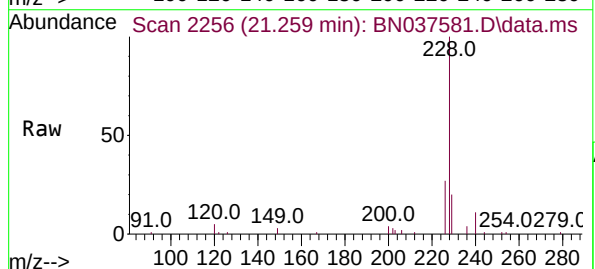
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

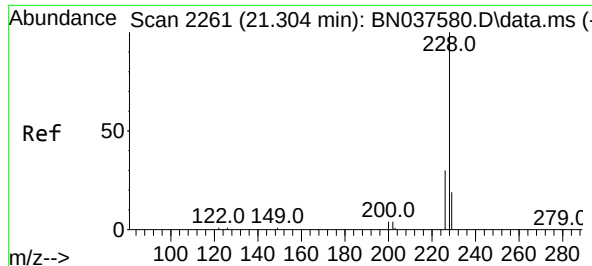
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.2	12.2
122	15.9	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.750 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	20.1	16.5	24.7





#33

Chrysene

Concen: 0.741 ng

RT: 21.313 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

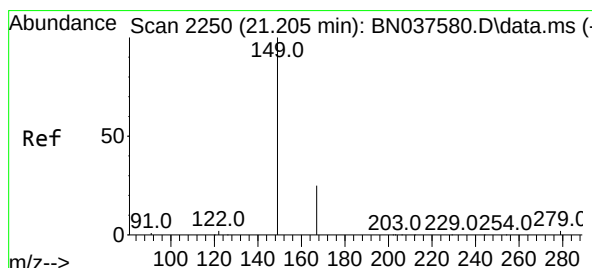
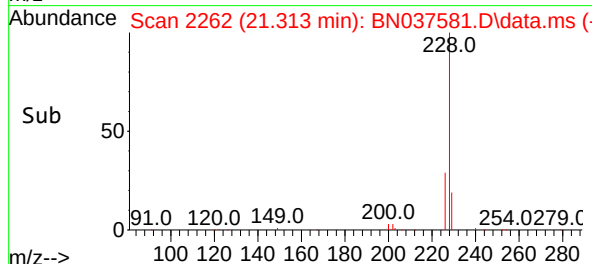
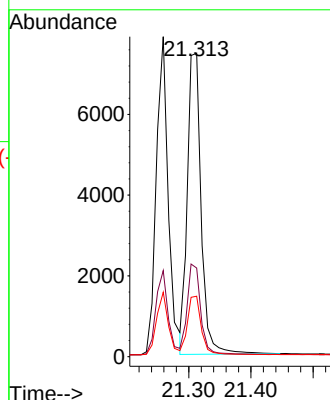
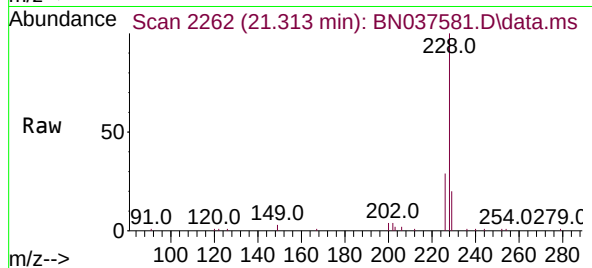
Tgt Ion:228 Resp: 11541

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

229 19.9 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.701 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

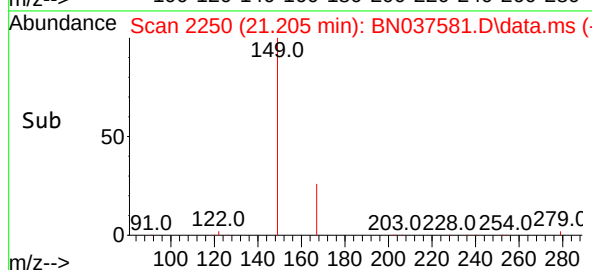
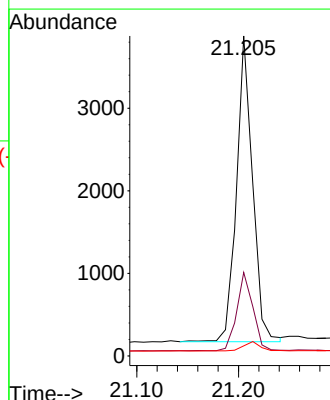
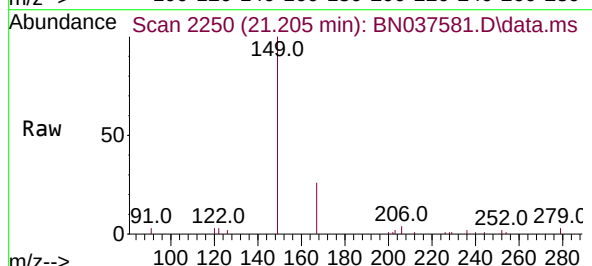
Tgt Ion:149 Resp: 4046

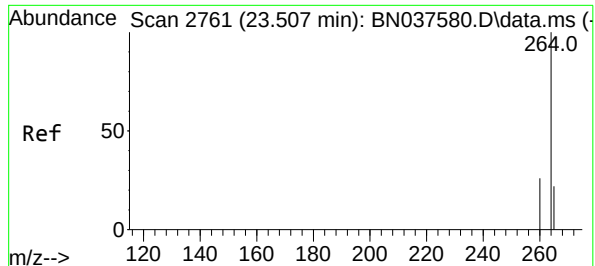
Ion Ratio Lower Upper

149 100

167 25.8 20.5 30.7

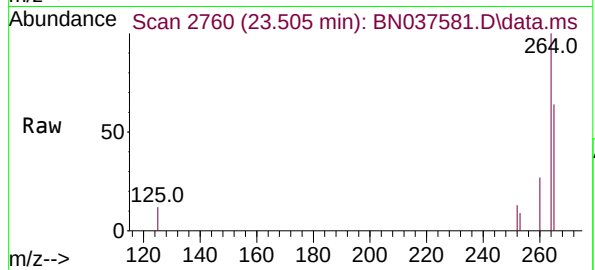
279 3.2 2.6 4.0



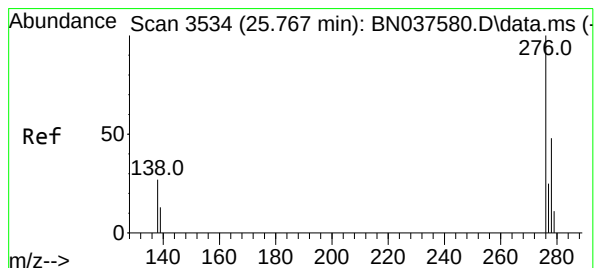
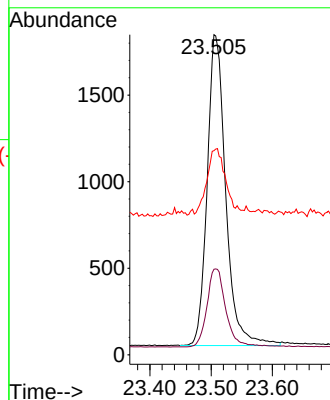
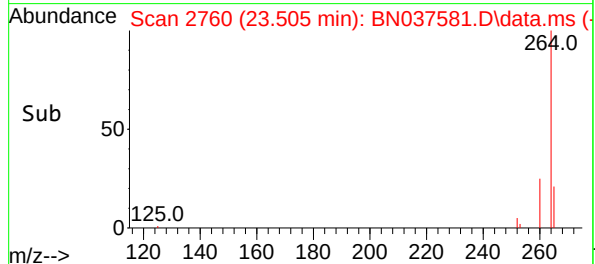


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.505 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

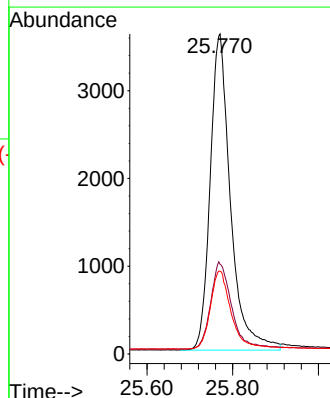
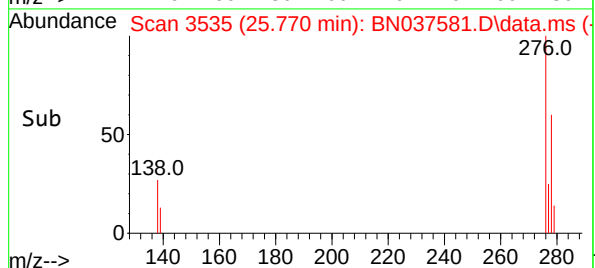
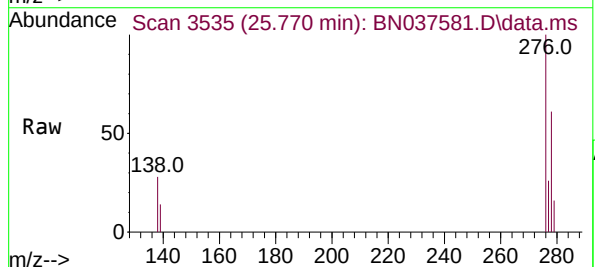


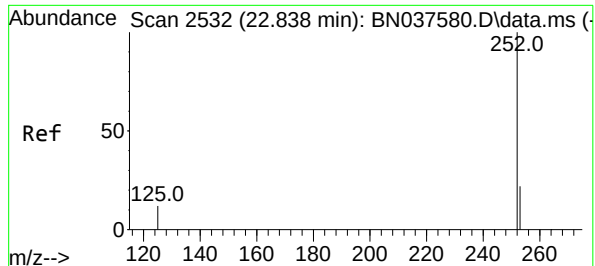
Tgt Ion:264 Resp: 3775
Ion Ratio Lower Upper
264 100
260 26.7 21.6 32.4
265 63.8 48.2 72.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.744 ng
RT: 25.770 min Scan# 3535
Delta R.T. 0.003 min
Lab File: BN037581.D
Acq: 12 Aug 2025 18:16

Tgt Ion:276 Resp: 11835
Ion Ratio Lower Upper
276 100
138 28.4 23.3 34.9
277 25.4 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.756 ng

RT: 22.838 min Scan# 2532

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

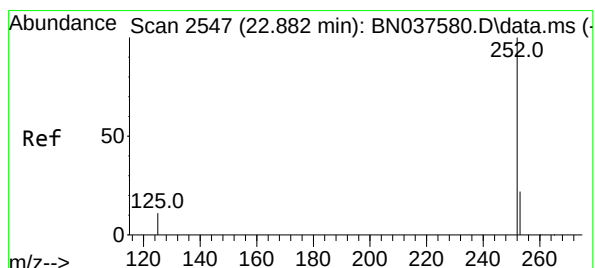
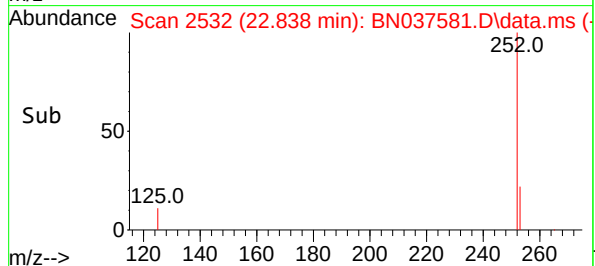
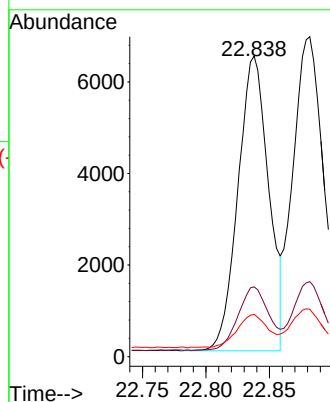
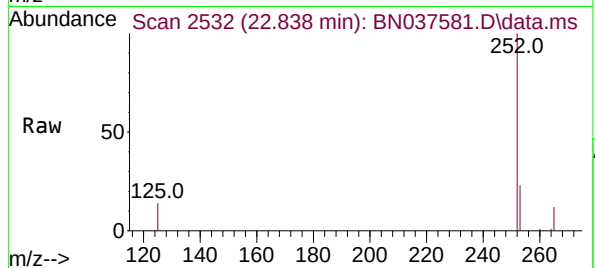
Tgt Ion:252 Resp: 10811

Ion Ratio Lower Upper

252 100

253 23.2 20.0 30.0

125 14.1 13.8 20.6



#38

Benzo(k)fluoranthene

Concen: 0.761 ng

RT: 22.882 min Scan# 2547

Delta R.T. 0.000 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

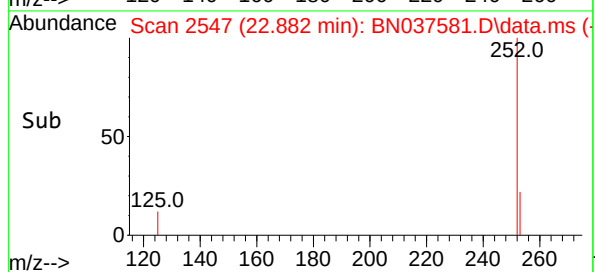
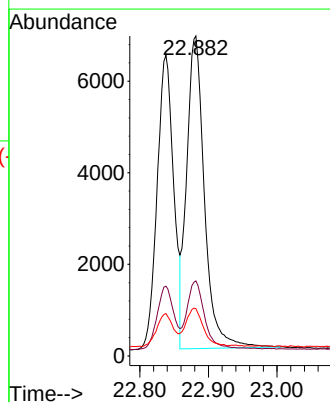
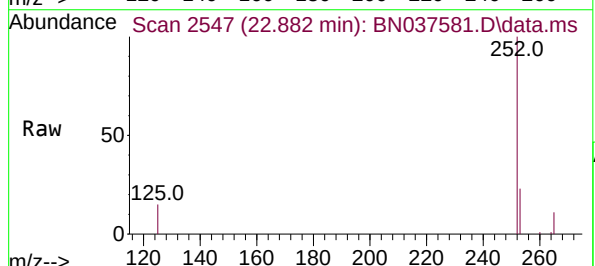
Tgt Ion:252 Resp: 12288

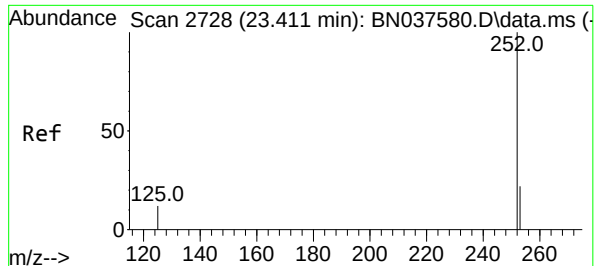
Ion Ratio Lower Upper

252 100

253 23.4 19.9 29.9

125 14.8 15.0 22.6#





#39

Benzo(a)pyrene

Concen: 0.736 ng

RT: 23.408 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037581.D

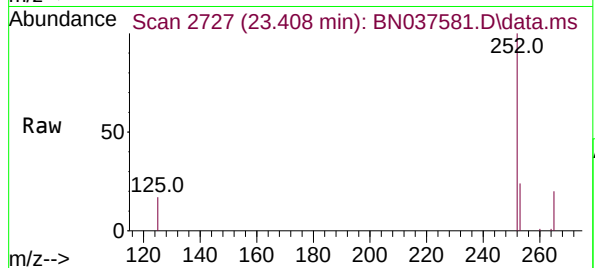
Acq: 12 Aug 2025 18:16

Instrument :

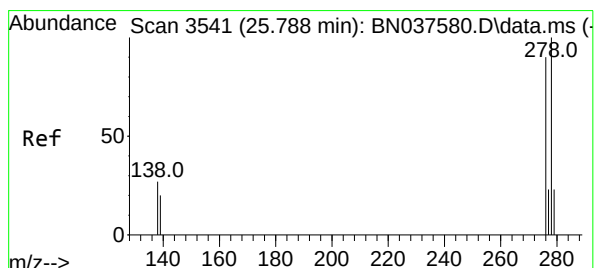
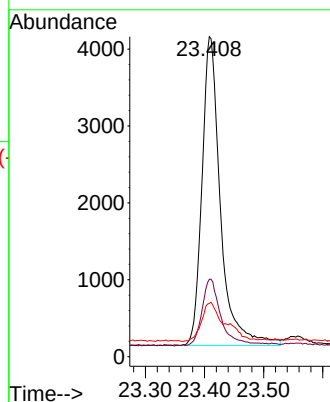
BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:	252	Resp:	8737
Ion Ratio	Lower	Upper	
252	100		
253	24.2	21.6	32.4
125	16.7	16.8	25.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.743 ng

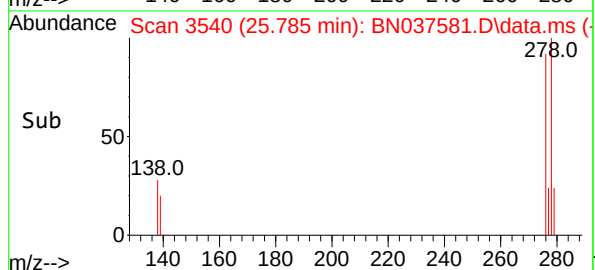
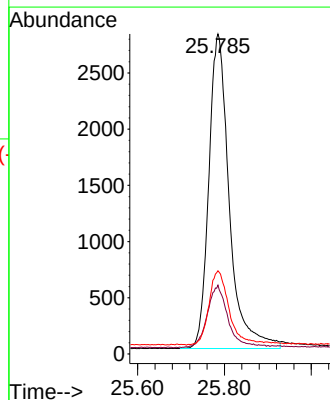
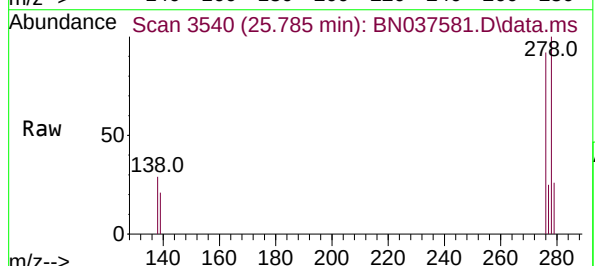
RT: 25.785 min Scan# 3540

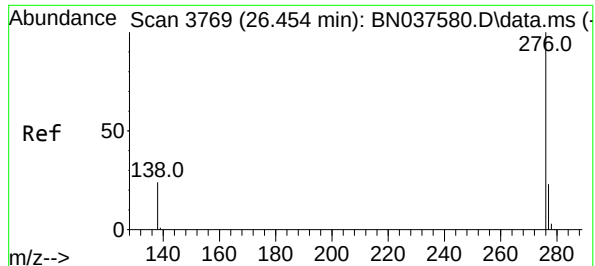
Delta R.T. -0.003 min

Lab File: BN037581.D

Acq: 12 Aug 2025 18:16

Tgt Ion:	278	Resp:	9175
Ion Ratio	Lower	Upper	
278	100		
139	21.5	18.3	27.5
279	26.0	22.5	33.7





#41

Benzo(g,h,i)perylene

Concen: 0.732 ng

RT: 26.454 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037581.D

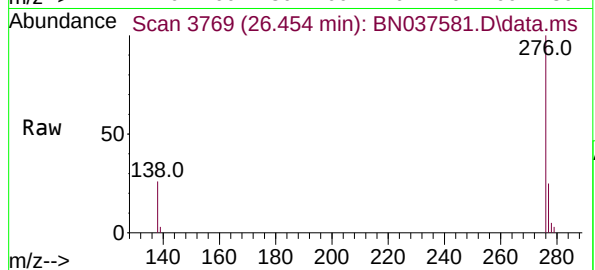
Acq: 12 Aug 2025 18:16

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



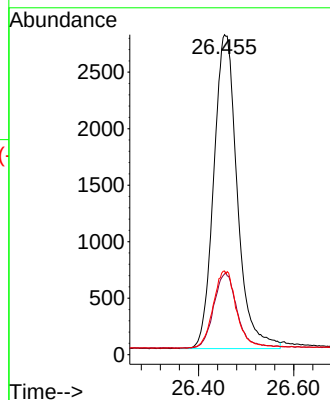
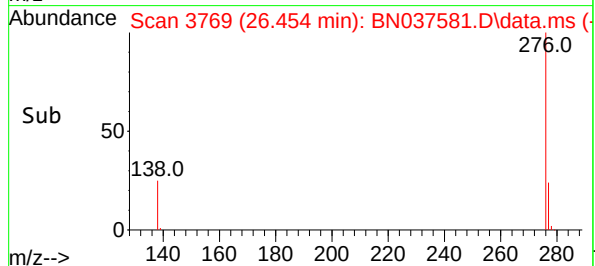
Tgt Ion:276 Resp: 9524

Ion Ratio Lower Upper

276 100

277 25.2 21.0 31.4

138 26.2 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037582.D
 Acq On : 12 Aug 2025 18:52
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Aug 13 04:49:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

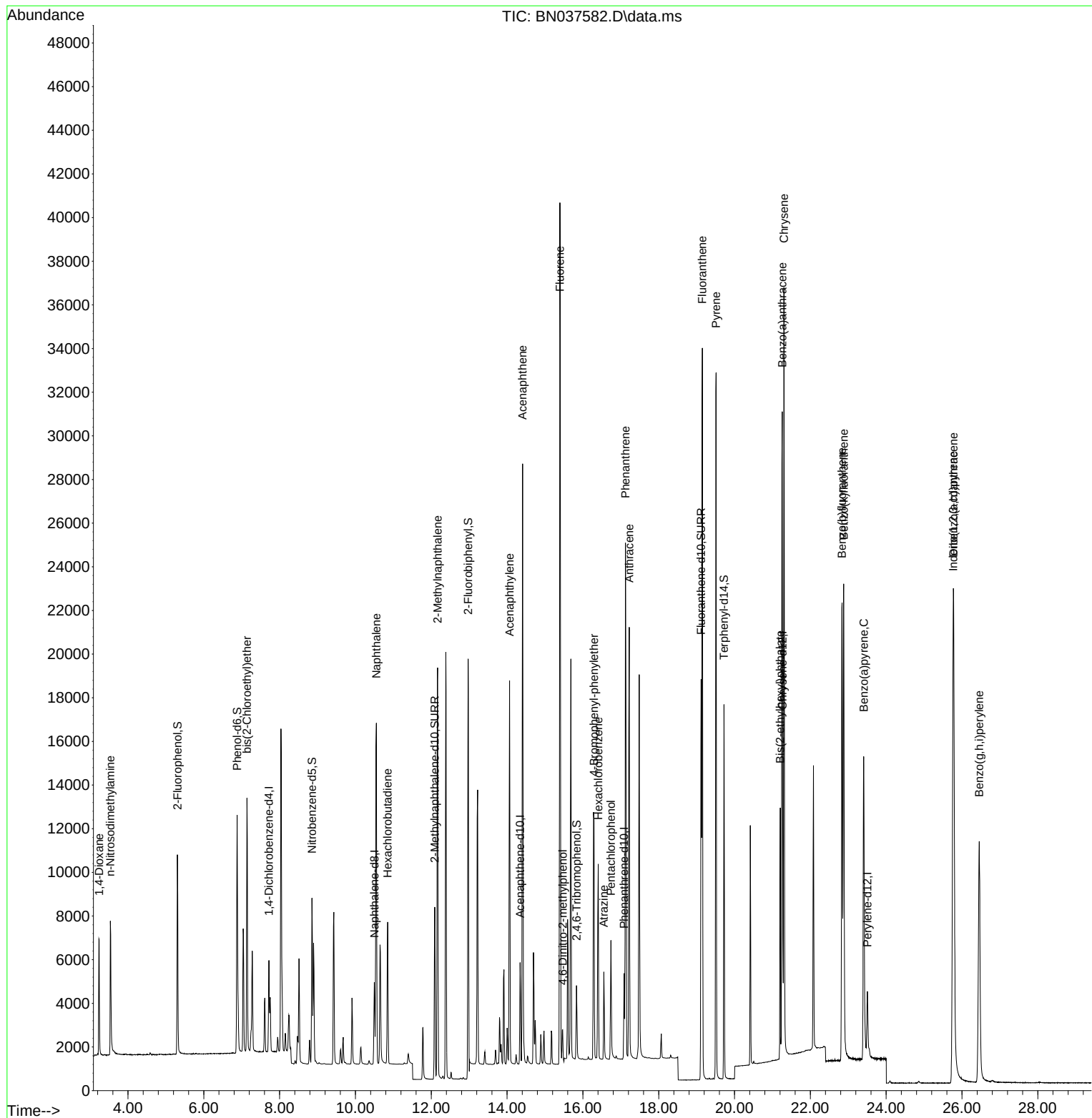
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	1999	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4868	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2499	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4868	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4728	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	4054	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	7088	1.564	ng	0.00
5) Phenol-d6	6.879	99	9580	1.757	ng	0.00
8) Nitrobenzene-d5	8.854	82	5686	1.658	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	10567	1.597	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	1852	1.693	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	23403	1.619	ng	0.00
27) Fluoranthene-d10	19.118	212	20450	1.597	ng	0.00
31) Terphenyl-d14	19.722	244	15761	1.620	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.239	88	3171	1.658	ng	97
3) n-Nitrosodimethylamine	3.535	42	3942	1.613	ng	97
6) bis(2-Chloroethyl)ether	7.139	93	8159	1.660	ng	98
9) Naphthalene	10.552	128	21204	1.636	ng	98
10) Hexachlorobutadiene	10.851	225	5193	1.640	ng	# 100
12) 2-Methylnaphthalene	12.167	142	13647	1.679	ng	99
16) Acenaphthylene	14.067	152	18492	1.651	ng	100
17) Acenaphthene	14.409	154	12820	1.682	ng	96
18) Fluorene	15.393	166	16858	1.691	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	1182	1.517	ng	# 56
21) 4-Bromophenyl-phenylether	16.292	248	5158	1.686	ng	94
22) Hexachlorobenzene	16.404	284	7080	1.633	ng	100
23) Atrazine	16.553	200	3118	1.803	ng	93
24) Pentachlorophenol	16.739	266	2704	1.775	ng	99
25) Phenanthrene	17.124	178	24938	1.685	ng	100
26) Anthracene	17.223	178	22287	1.701	ng	100
28) Fluoranthene	19.150	202	29263	1.721	ng	100
30) Pyrene	19.513	202	28406	1.607	ng	99
32) Benzo(a)anthracene	21.259	228	25547	1.618	ng	99
33) Chrysene	21.304	228	28577	1.624	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	9868	1.514	ng	99
36) Indeno(1,2,3-cd)pyrene	25.768	276	29448	1.724	ng	99
37) Benzo(b)fluoranthene	22.835	252	26189	1.705	ng	# 92
38) Benzo(k)fluoranthene	22.879	252	29528	1.703	ng	# 91
39) Benzo(a)pyrene	23.408	252	21441	1.683	ng	# 89
40) Dibenzo(a,h)anthracene	25.779	278	23334	1.761	ng	93
41) Benzo(g,h,i)perylene	26.455	276	23781	1.703	ng	96

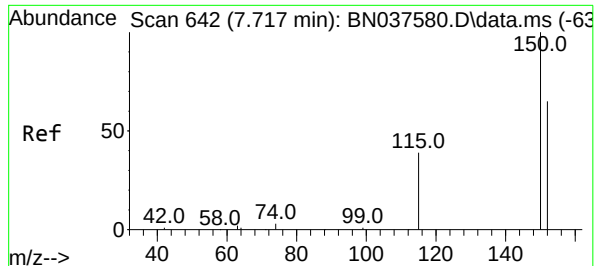
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037582.D
Acq On : 12 Aug 2025 18:52
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

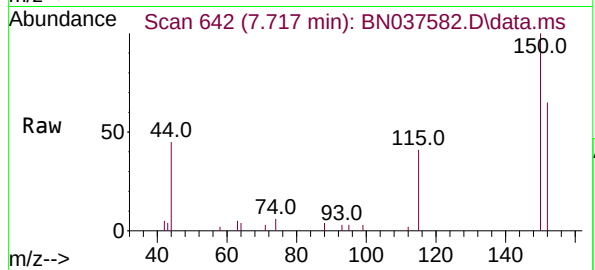
Quant Time: Aug 13 04:49:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration



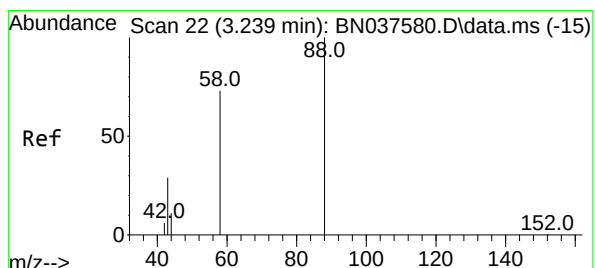
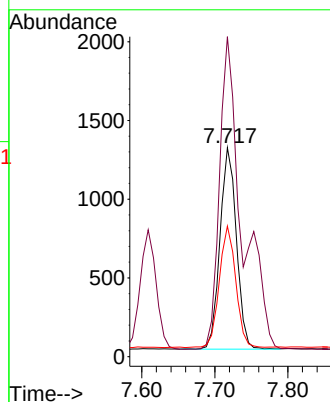
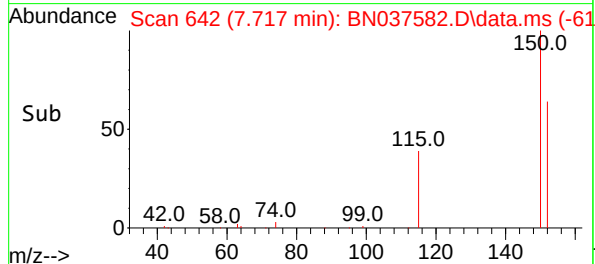


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

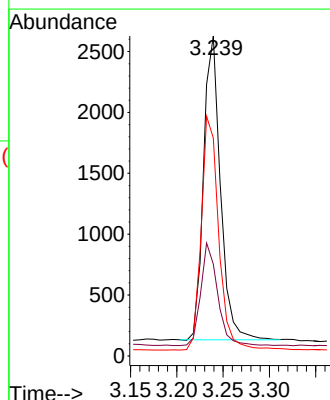
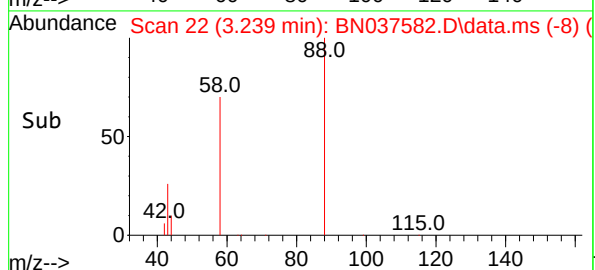
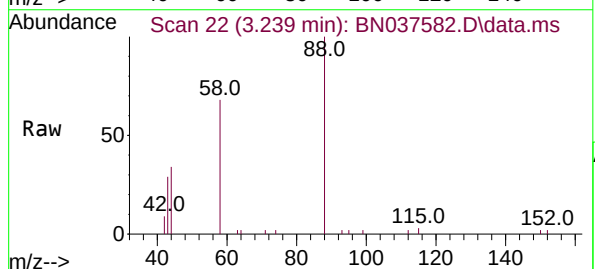


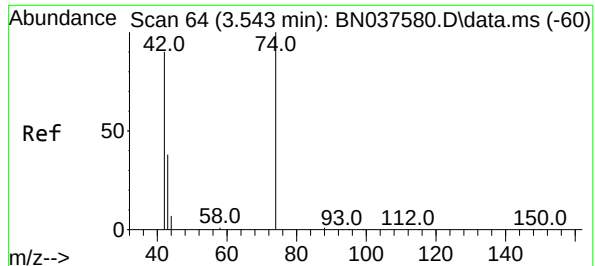
Tgt Ion:152 Resp: 1999
Ion Ratio Lower Upper
152 100
150 153.1 122.2 183.4
115 62.5 49.8 74.6



#2
1,4-Dioxane
Concen: 1.658 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion: 88 Resp: 3171
Ion Ratio Lower Upper
88 100
43 33.6 25.8 38.6
58 79.6 61.2 91.8

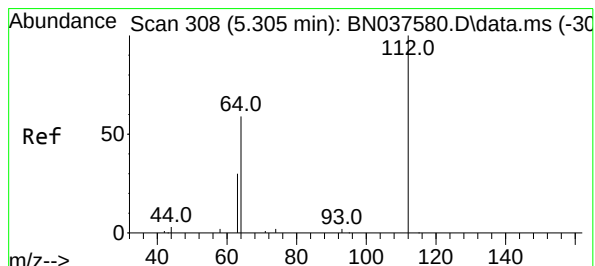
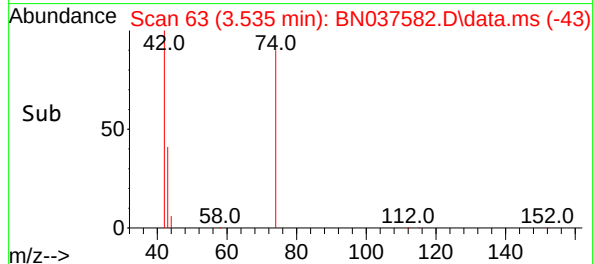
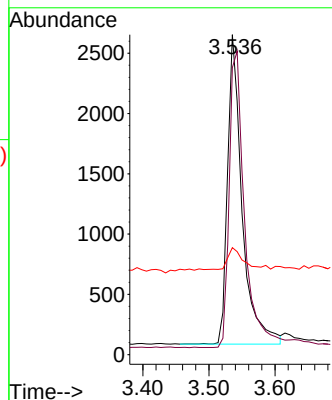
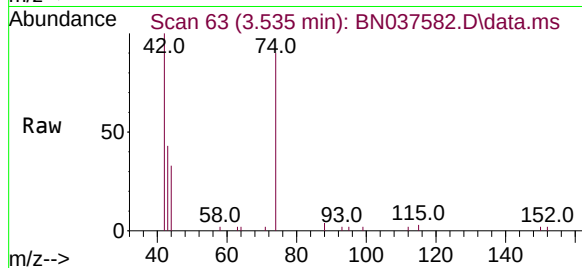




#3
n-Nitrosodimethylamine
Concen: 1.613 ng
RT: 3.535 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

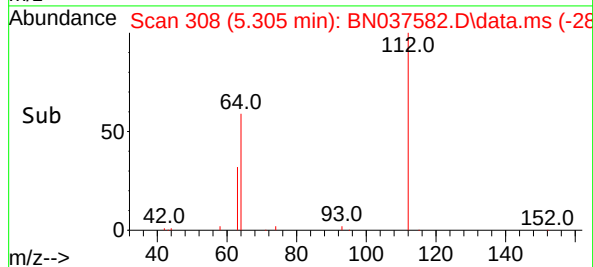
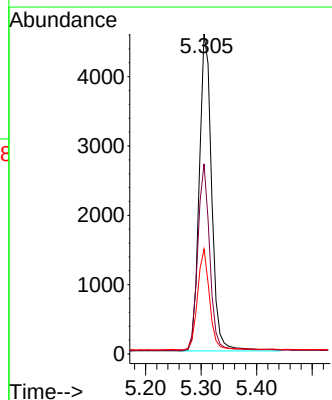
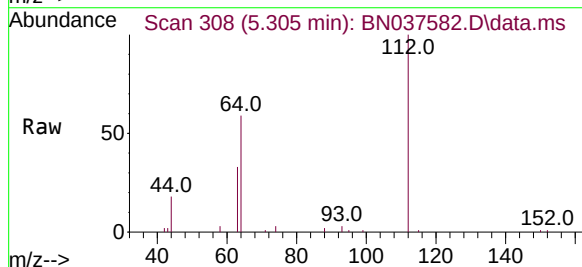
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

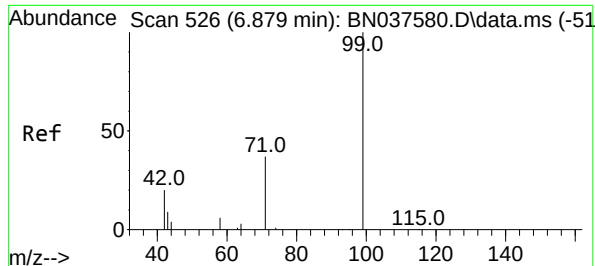
Tgt Ion: 42 Resp: 3942
Ion Ratio Lower Upper
42 100
74 105.0 82.0 123.0
44 8.0 7.9 11.9



#4
2-Fluorophenol
Concen: 1.564 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion: 112 Resp: 7088
Ion Ratio Lower Upper
112 100
64 56.7 44.9 67.3
63 30.5 23.4 35.2





#5

Phenol-d6

Concen: 1.757 ng

RT: 6.879 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

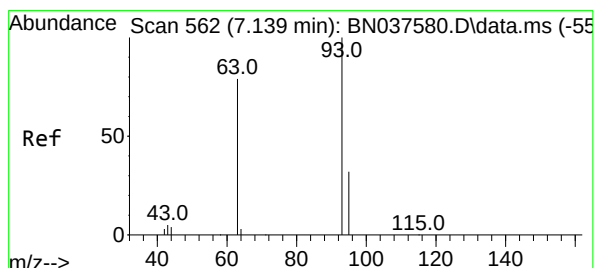
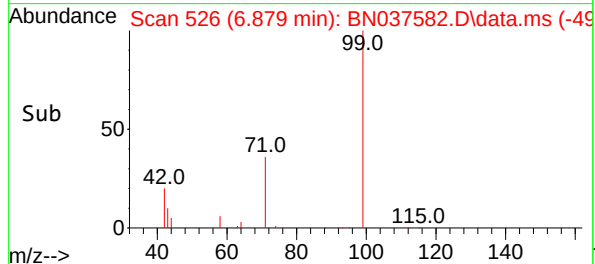
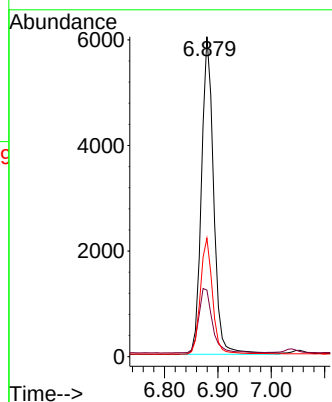
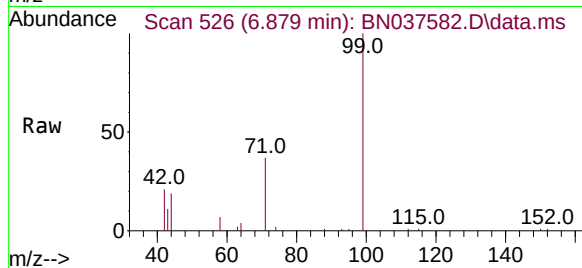
Tgt Ion: 99 Resp: 9580

Ion Ratio Lower Upper

99 100

42 22.9 18.5 27.7

71 36.8 28.6 42.8



#6

bis(2-Chloroethyl)ether

Concen: 1.660 ng

RT: 7.139 min Scan# 562

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

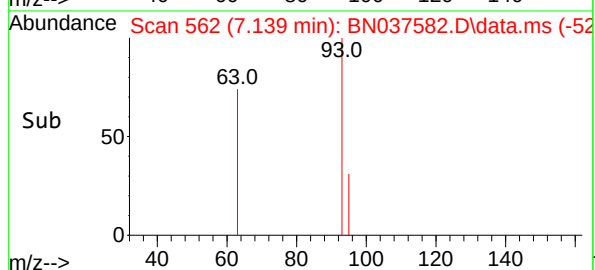
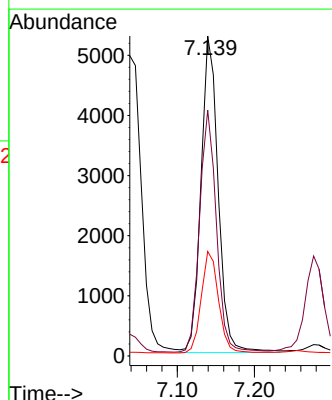
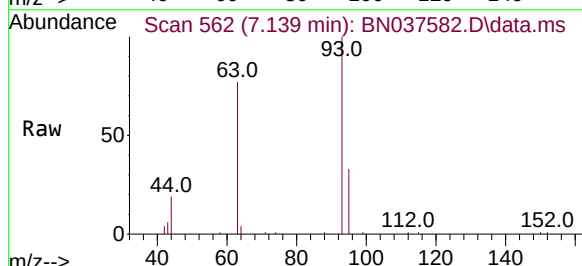
Tgt Ion: 93 Resp: 8159

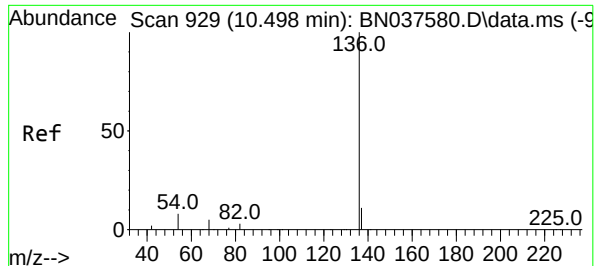
Ion Ratio Lower Upper

93 100

63 74.6 58.0 87.0

95 32.2 24.9 37.3

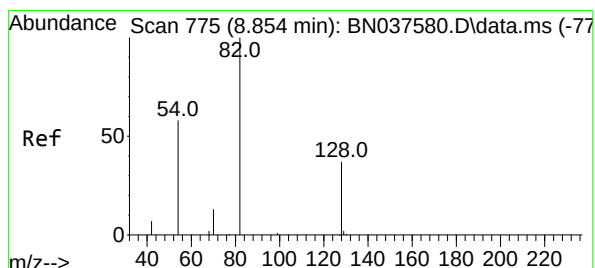
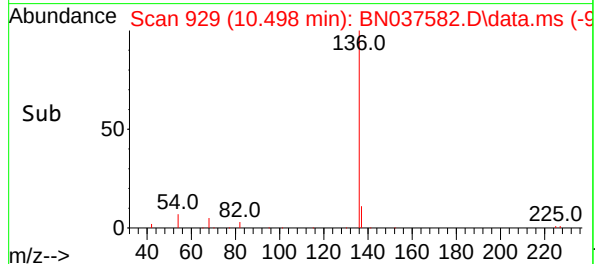
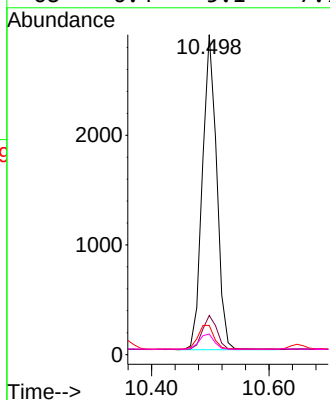
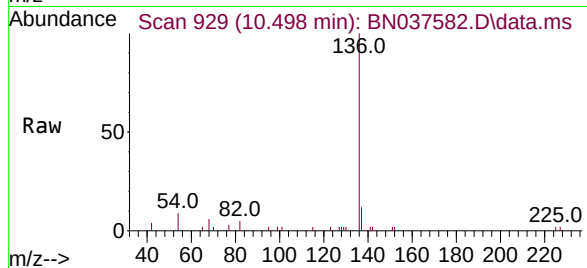




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

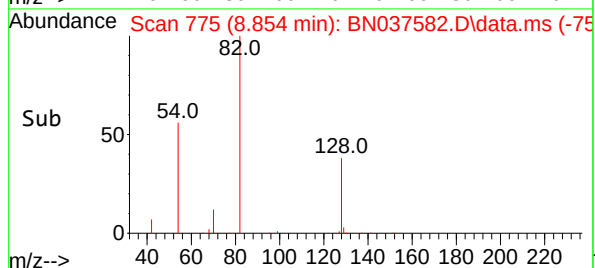
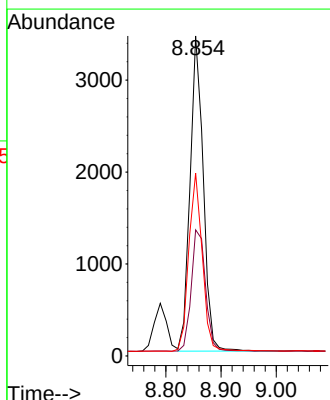
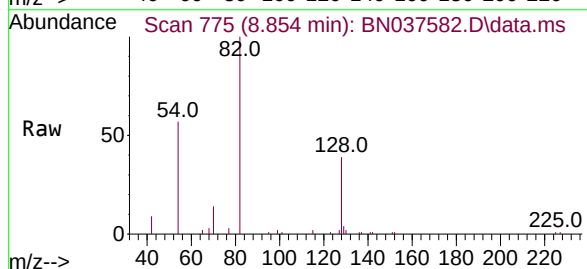
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

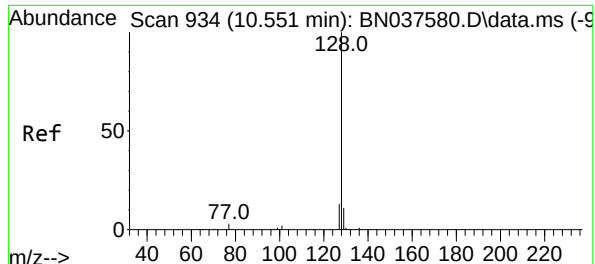
Tgt Ion:	136	Resp:	4868
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	9.1	7.3	10.9
68	6.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 1.658 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:	82	Resp:	5686
Ion	Ratio	Lower	Upper
82	100		
128	39.4	32.6	48.8
54	57.2	48.9	73.3





#9

Naphthalene

Concen: 1.636 ng

RT: 10.552 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

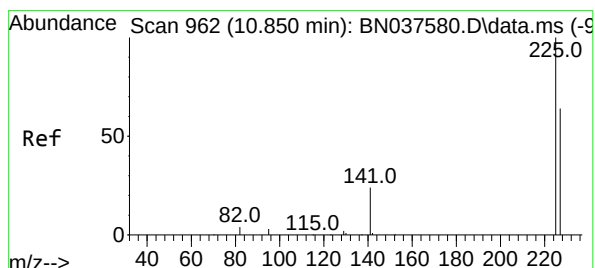
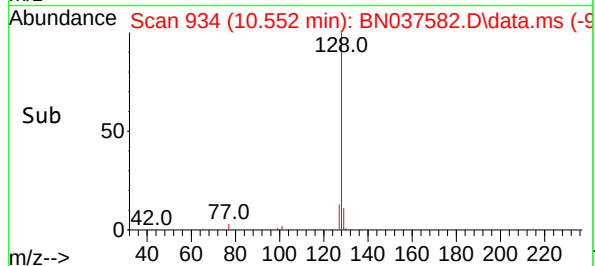
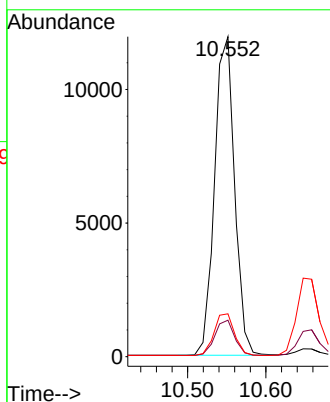
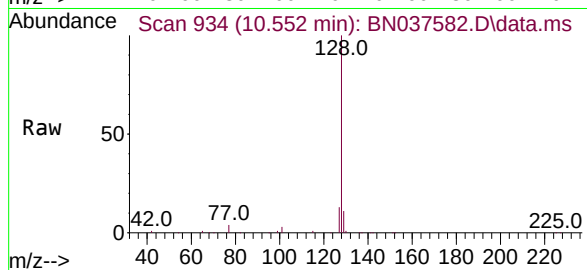
Tgt Ion:128 Resp: 21204

Ion Ratio Lower Upper

128 100

129 11.4 9.8 14.6

127 13.4 11.5 17.3



#10

Hexachlorobutadiene

Concen: 1.640 ng

RT: 10.851 min Scan# 962

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

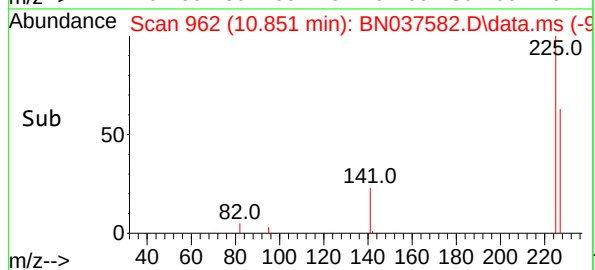
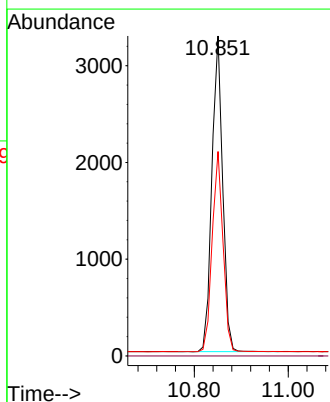
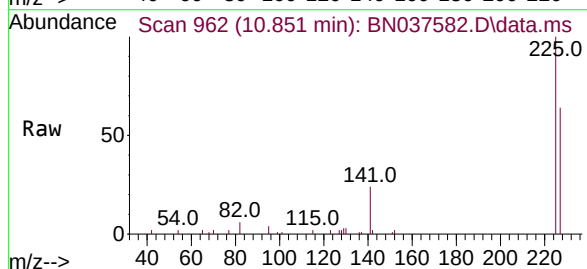
Tgt Ion:225 Resp: 5193

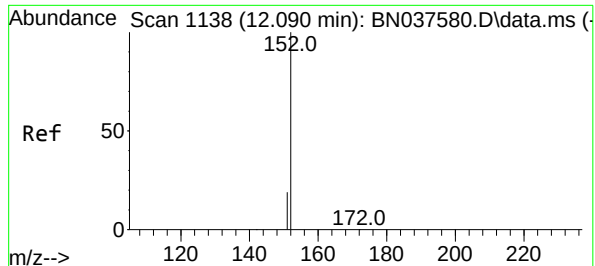
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.6 50.8 76.2

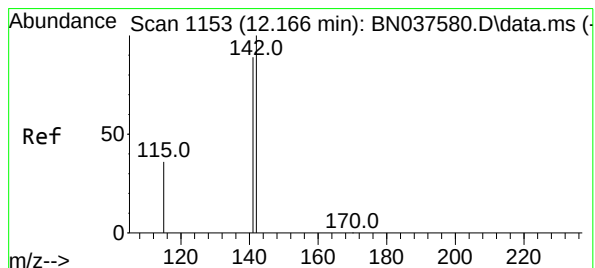
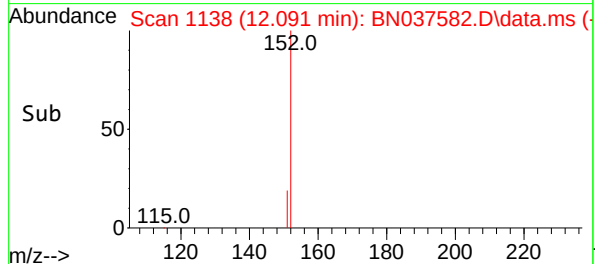
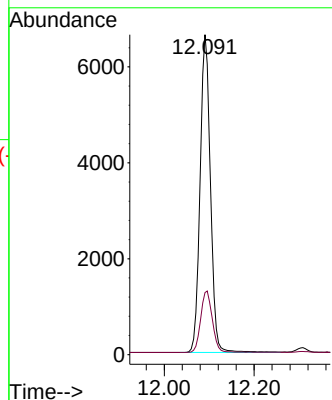
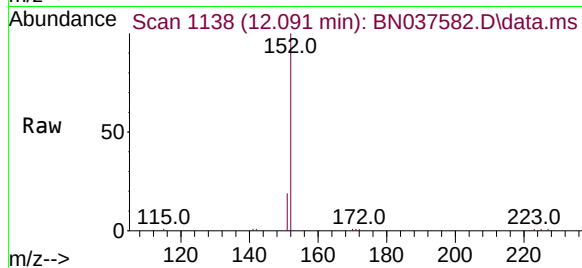




#11
2-Methylnaphthalene-d10
Concen: 1.597 ng
RT: 12.091 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

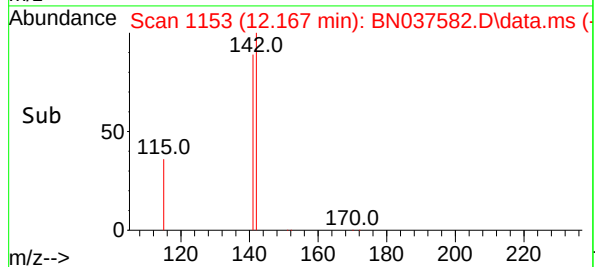
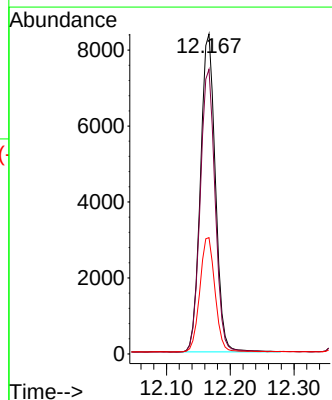
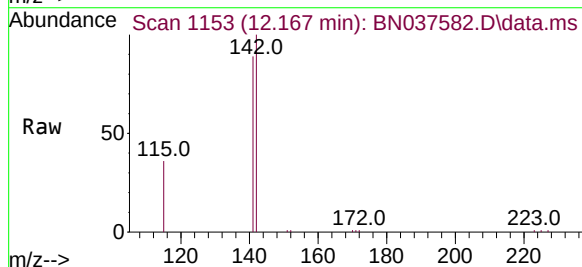
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

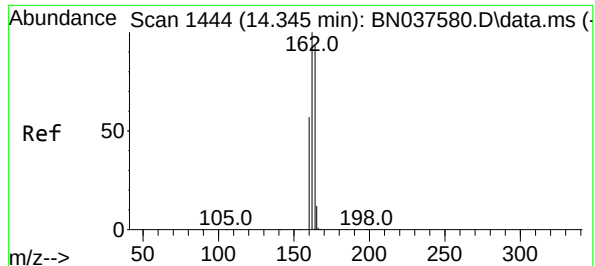
Tgt Ion:152 Resp: 10567
Ion Ratio Lower Upper
152 100
151 21.8 17.3 25.9



#12
2-Methylnaphthalene
Concen: 1.679 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:142 Resp: 13647
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0
115 36.4 30.2 45.4

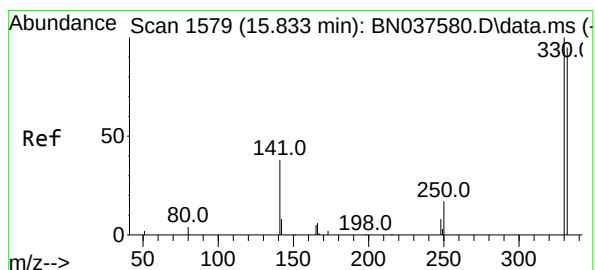
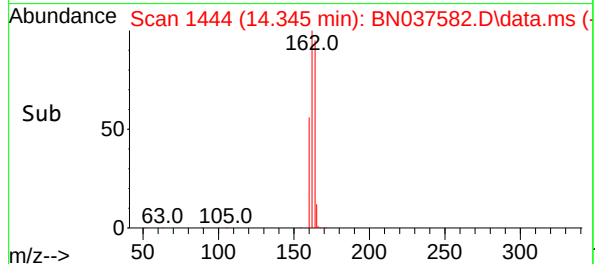
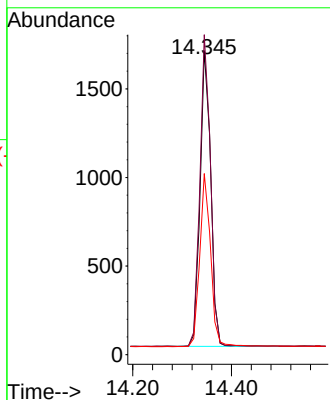
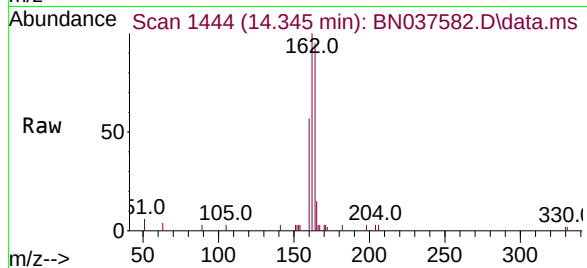




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

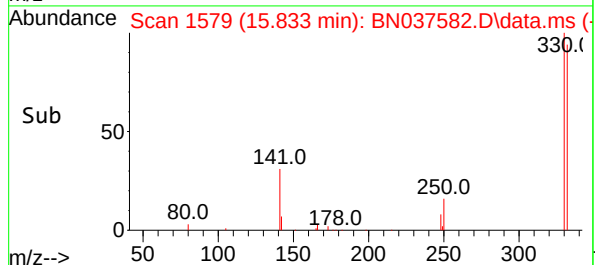
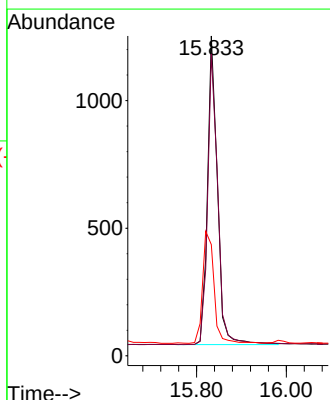
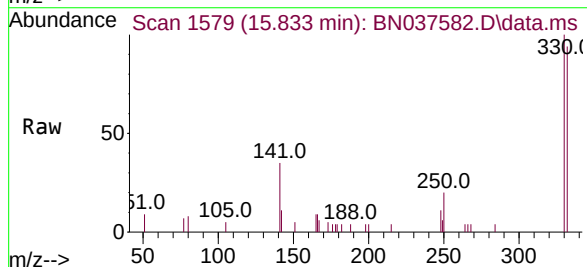
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

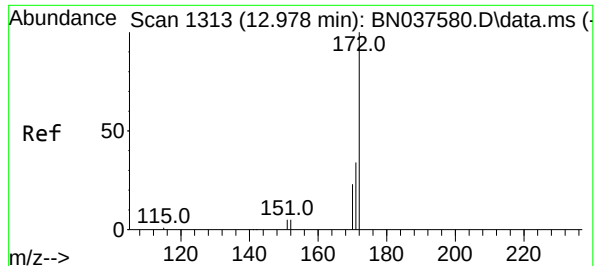
Tgt Ion:164 Resp: 2499
Ion Ratio Lower Upper
164 100
162 105.2 85.5 128.3
160 59.6 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 1.693 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:330 Resp: 1852
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 41.4 30.9 46.3

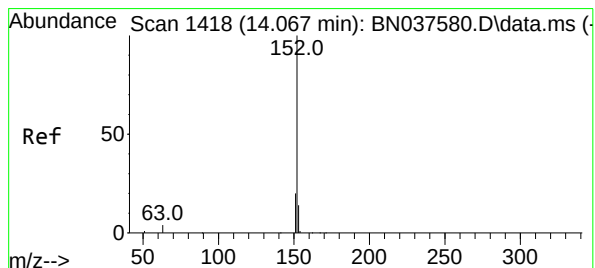
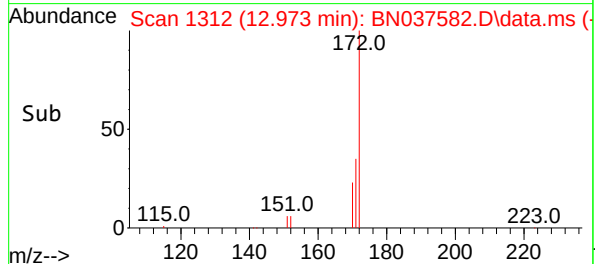
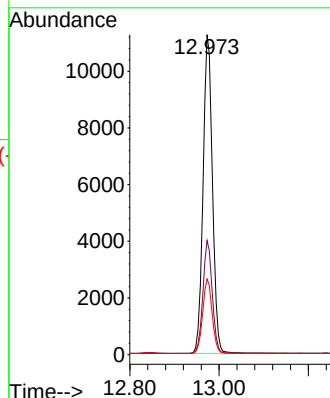
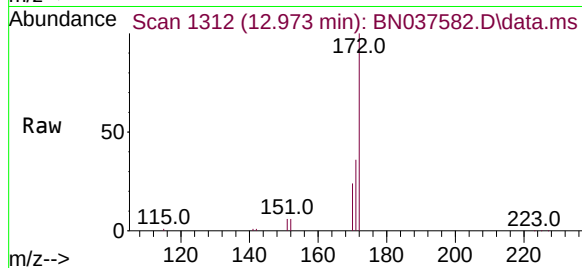




#15
2-Fluorobiphenyl
Concen: 1.619 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

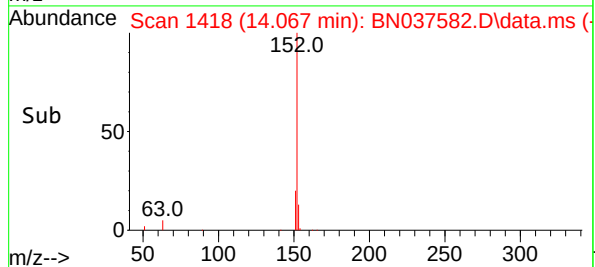
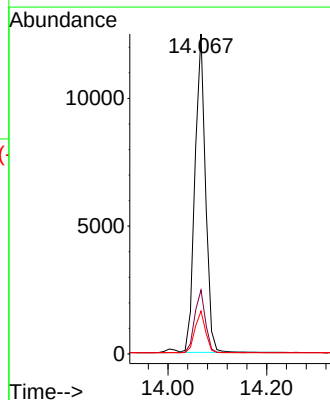
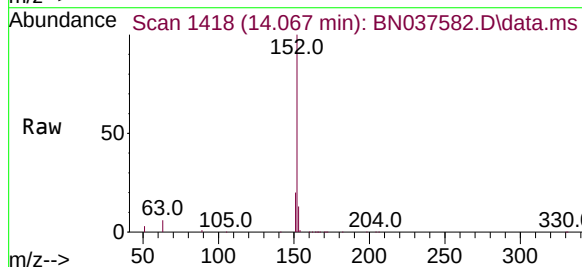
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

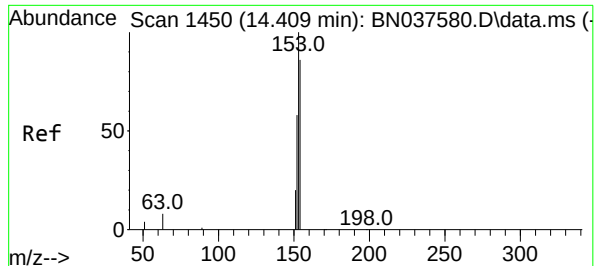
Tgt Ion:172 Resp: 23403
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.7 19.2 28.8



#16
Acenaphthylene
Concen: 1.651 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:152 Resp: 18492
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.7 16.1

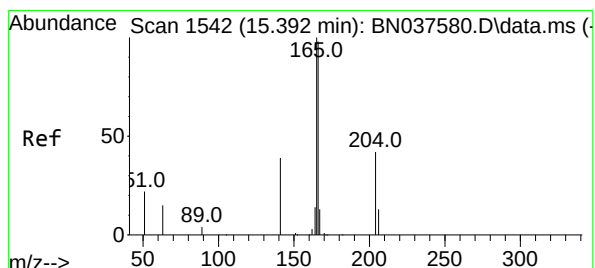
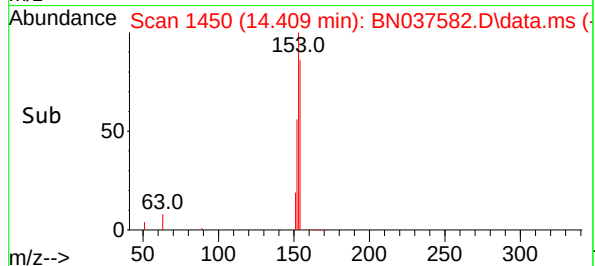
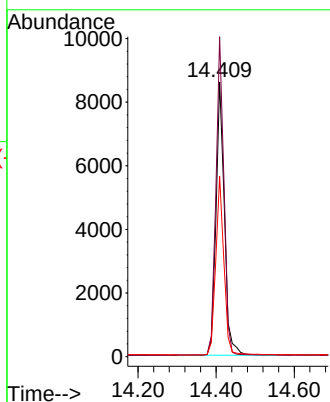
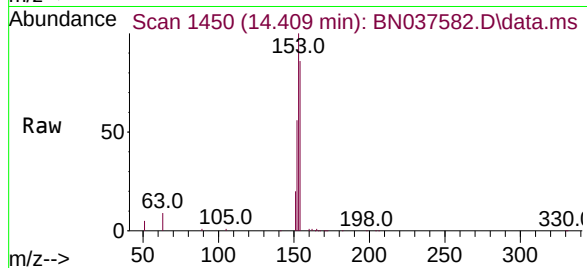




#17
Acenaphthene
Concen: 1.682 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

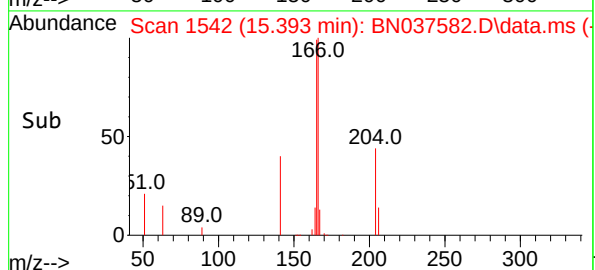
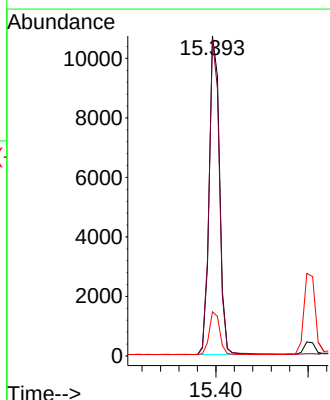
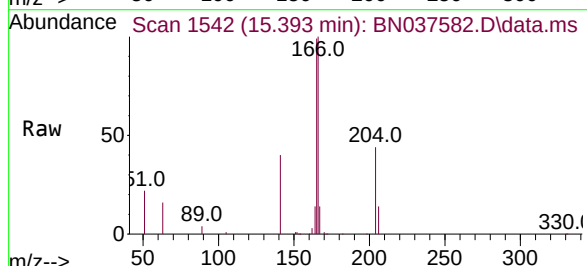
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

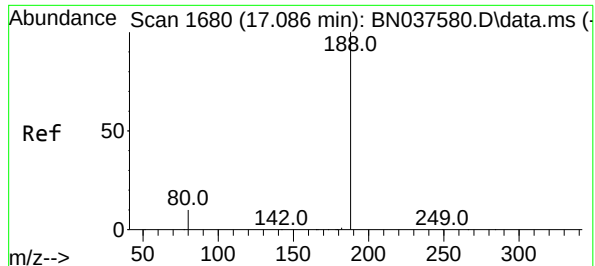
Tgt Ion:154 Resp: 12820
Ion Ratio Lower Upper
154 100
153 110.6 90.6 135.8
152 63.8 54.9 82.3



#18
Fluorene
Concen: 1.691 ng
RT: 15.393 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:166 Resp: 16858
Ion Ratio Lower Upper
166 100
165 99.0 78.9 118.3
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

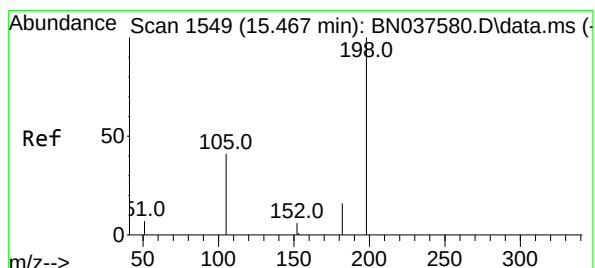
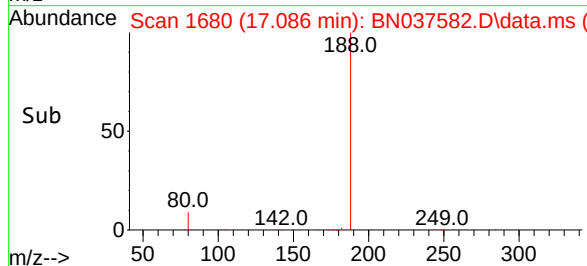
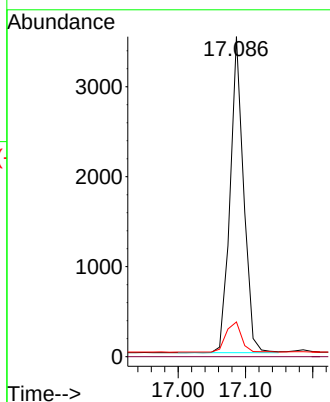
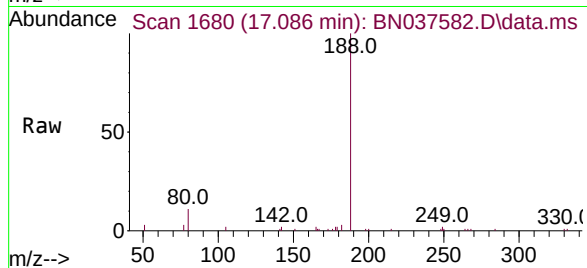
Tgt Ion:188 Resp: 4868

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 1.517 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

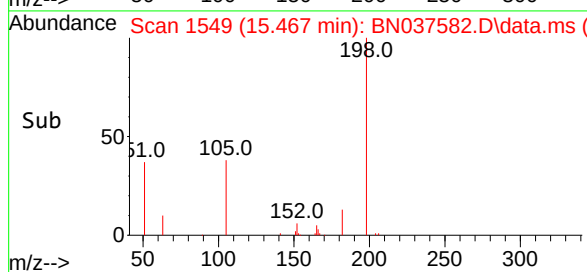
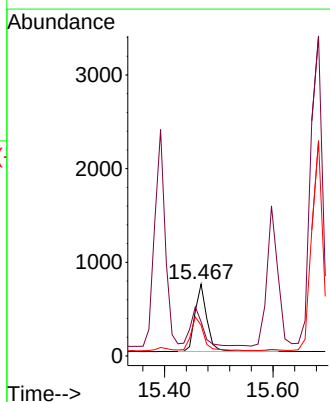
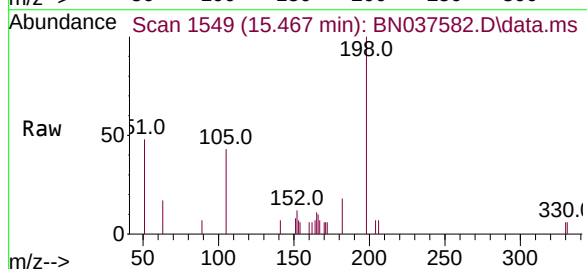
Tgt Ion:198 Resp: 1182

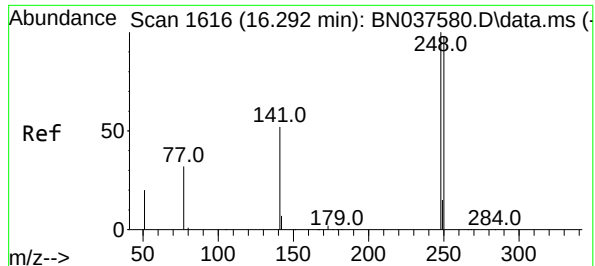
Ion Ratio Lower Upper

198 100

51 47.6 81.0 121.6#

105 42.8 52.5 78.7#

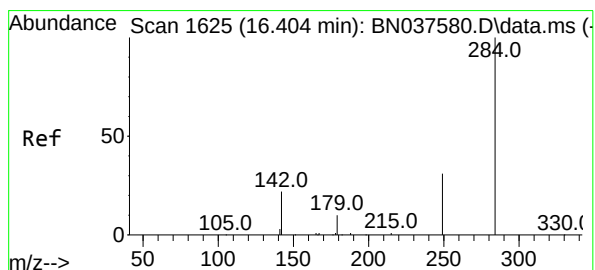
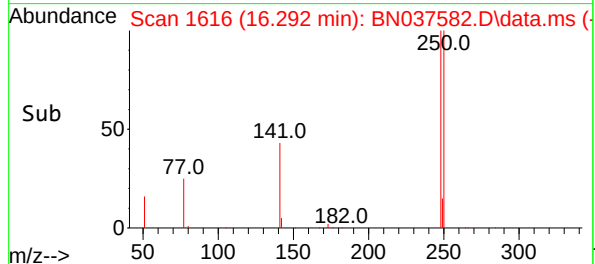
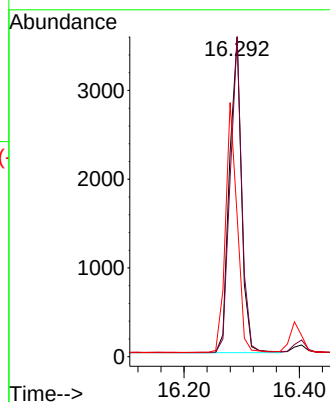
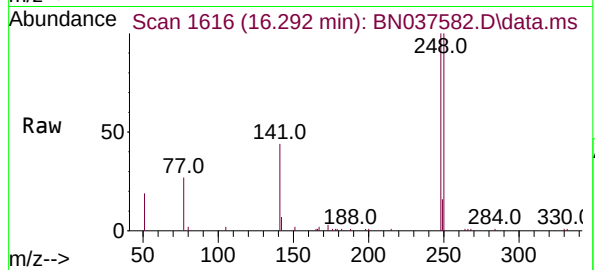




#21
4-Bromophenyl-phenylether
Concen: 1.686 ng
RT: 16.292 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

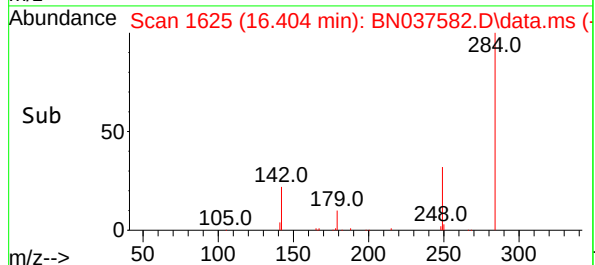
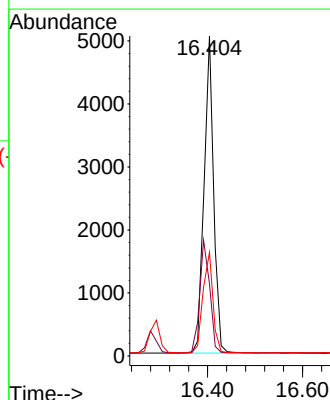
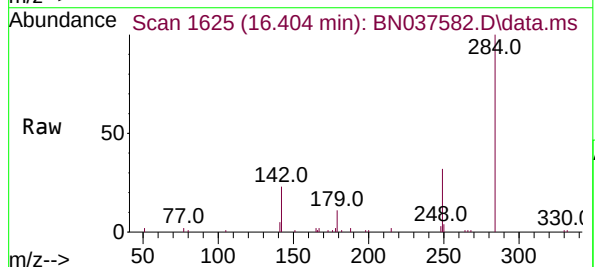
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

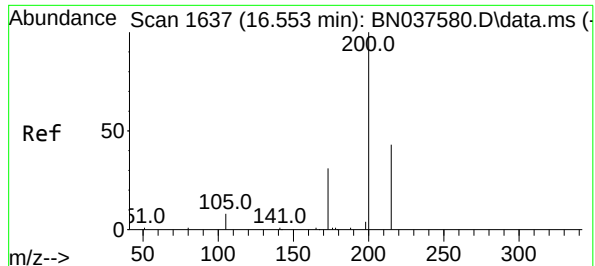
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.1	78.6	118.0
141	43.9	43.7	65.5



#22
Hexachlorobenzene
Concen: 1.633 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.8	44.6
249	33.1	26.0	39.0

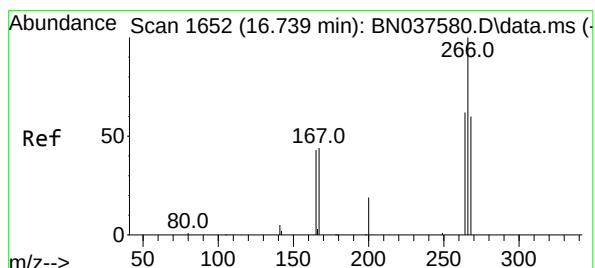
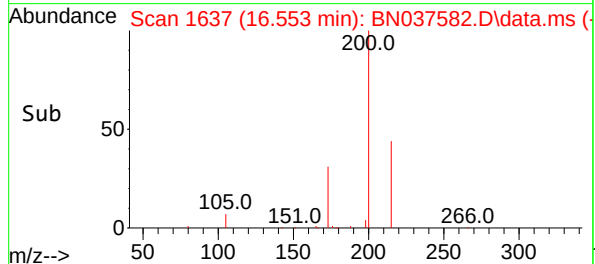
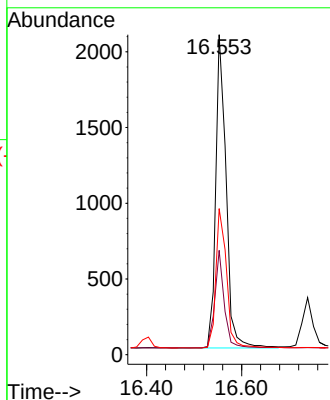
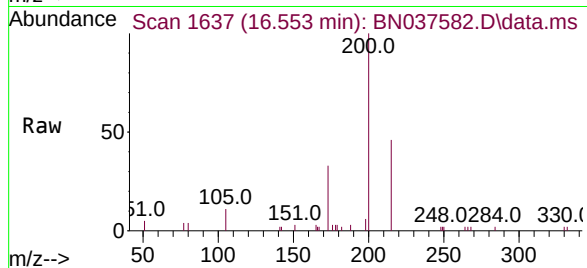




#23
Atrazine
Concen: 1.803 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

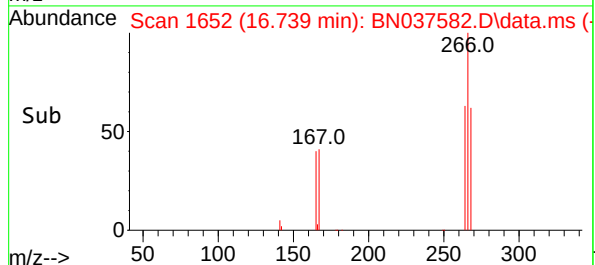
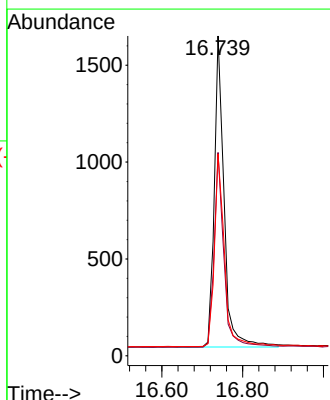
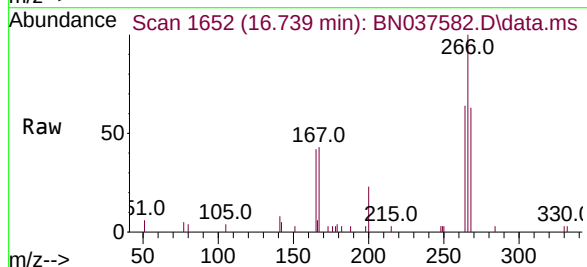
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

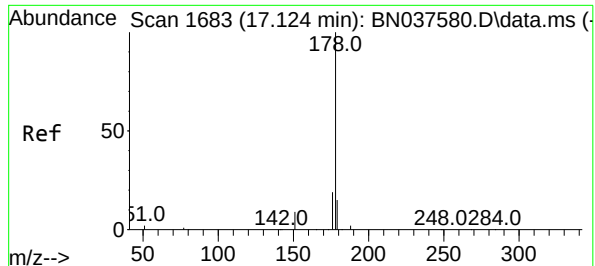
Tgt Ion	200	Resp:	3118
Ion Ratio	Lower	Upper	
200	100		
173	32.6	31.0	46.4
215	45.7	39.4	59.0



#24
Pentachlorophenol
Concen: 1.775 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion	266	Resp:	2704
Ion Ratio	Lower	Upper	
266	100		
264	62.2	49.6	74.4
268	63.5	49.2	73.8

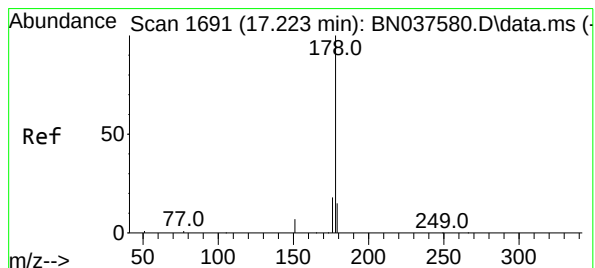
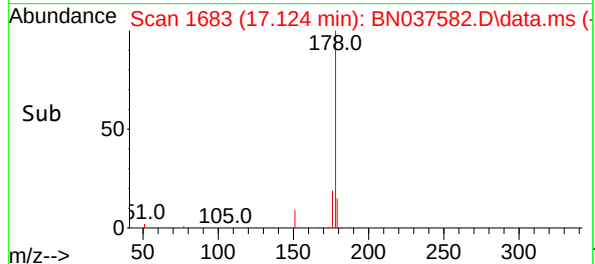
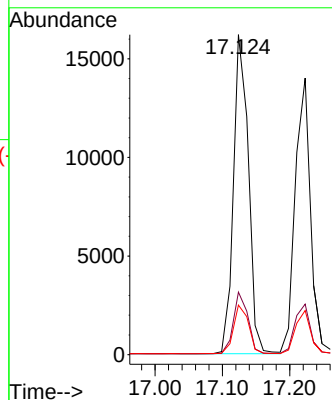
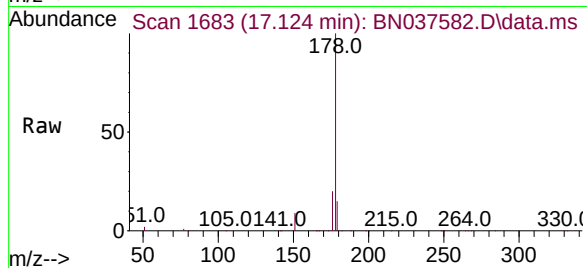




#25
Phenanthrene
Concen: 1.685 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

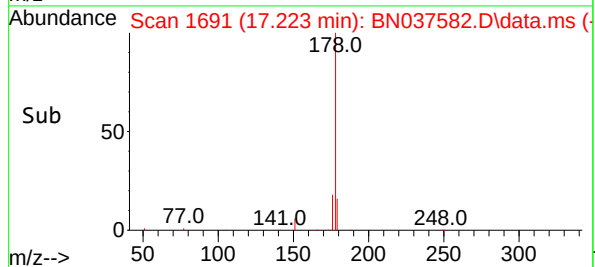
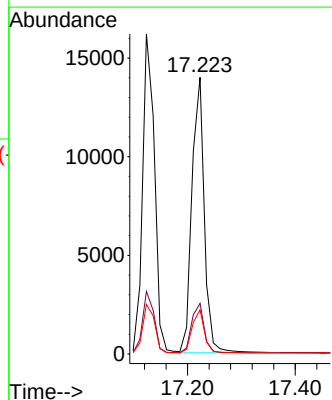
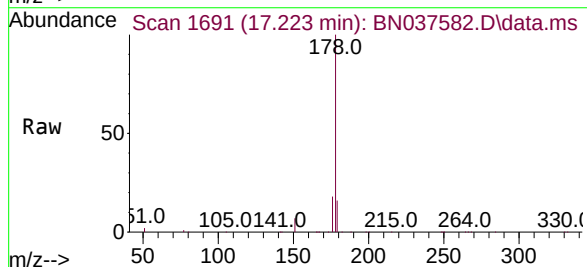
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

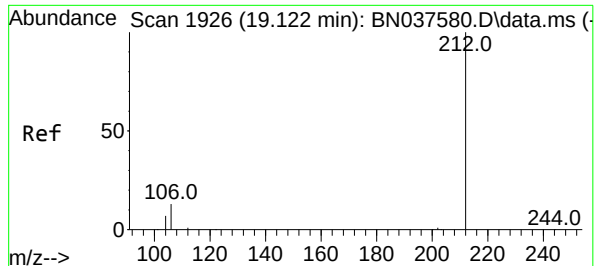
Tgt Ion:178 Resp: 24938
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.3 18.5



#26
Anthracene
Concen: 1.701 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:178 Resp: 22287
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 12.3 18.5

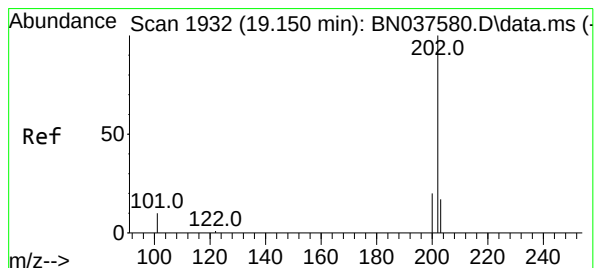
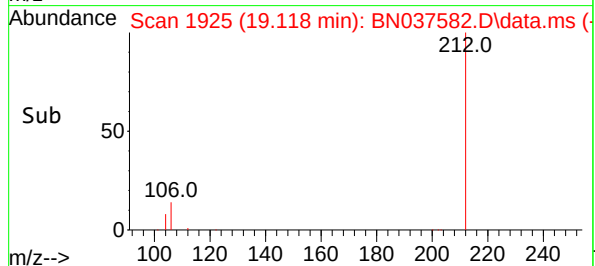
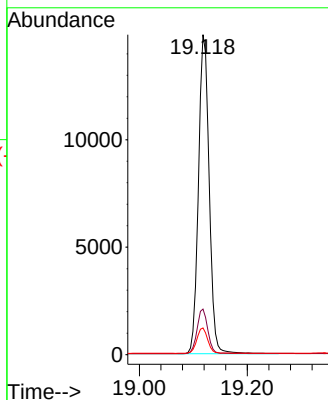
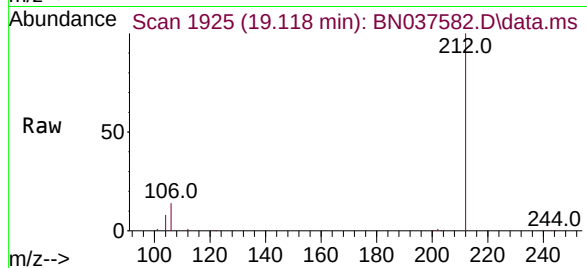




#27
Fluoranthene-d10
Concen: 1.597 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

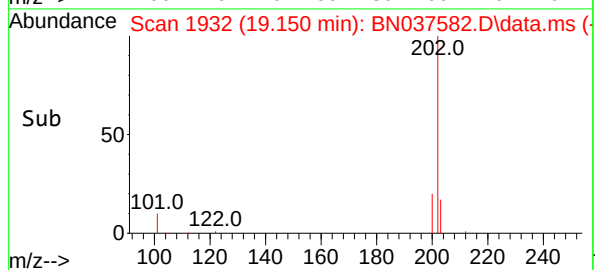
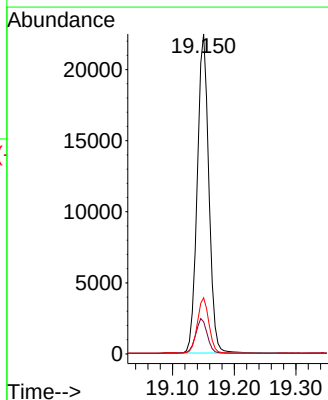
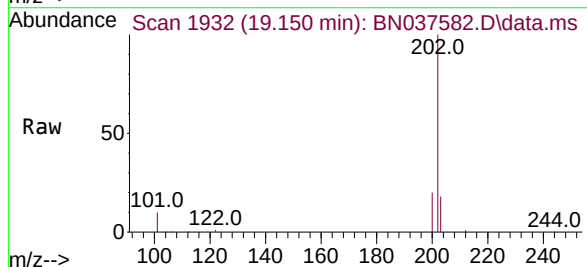
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

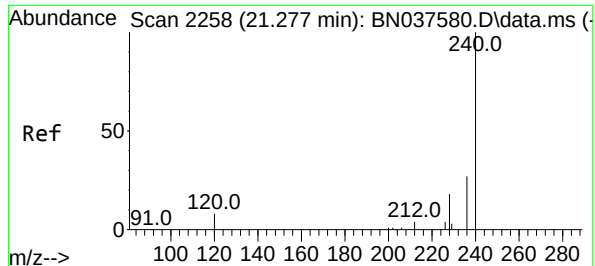
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.5	17.3
104	8.0	6.6	9.8



#28
Fluoranthene
Concen: 1.721 ng
RT: 19.150 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.0	13.6
203	17.4	13.8	20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

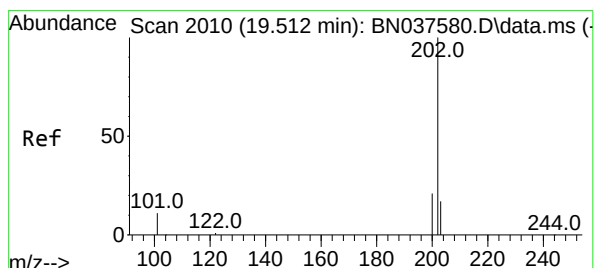
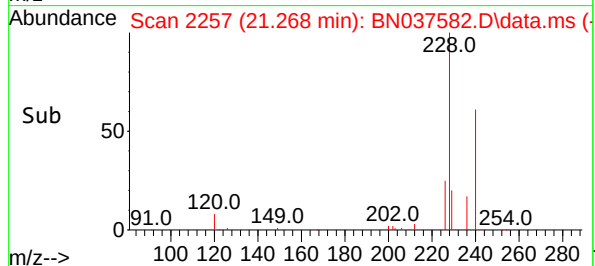
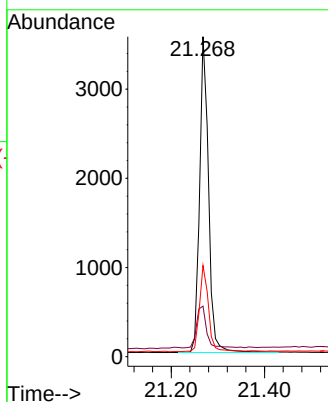
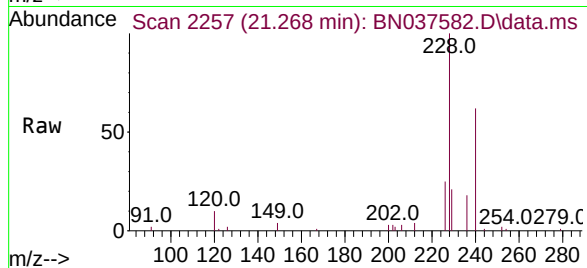
Tgt Ion:240 Resp: 4728

Ion Ratio Lower Upper

240 100

120 15.8 8.9 13.3#

236 28.5 22.6 33.8



#30

Pyrene

Concen: 1.607 ng

RT: 19.513 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

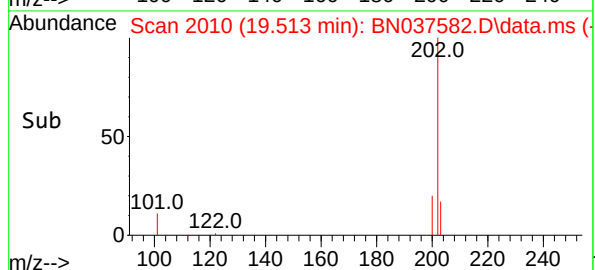
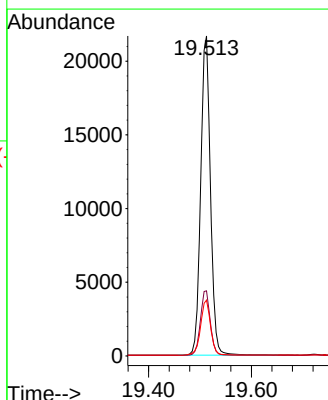
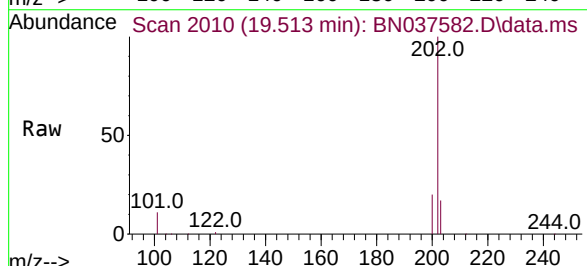
Tgt Ion:202 Resp: 28406

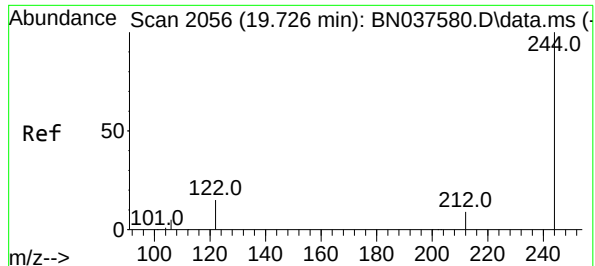
Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

203 17.6 14.3 21.5

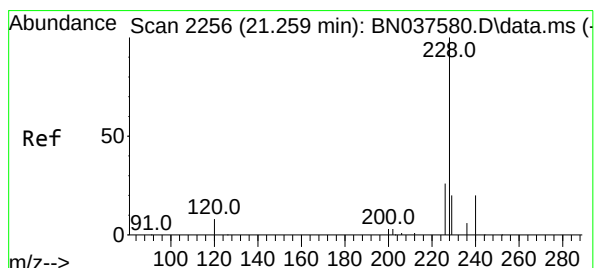
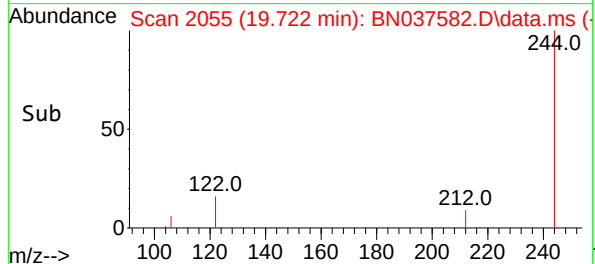
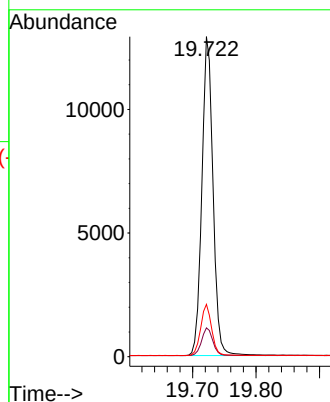
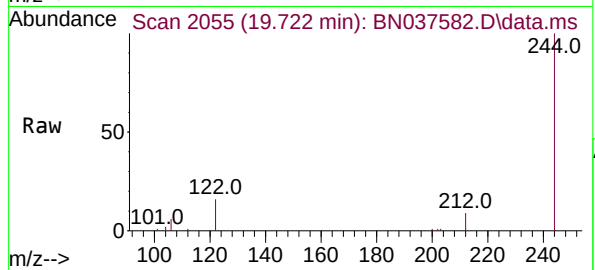




#31
Terphenyl-d14
Concen: 1.620 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.004 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

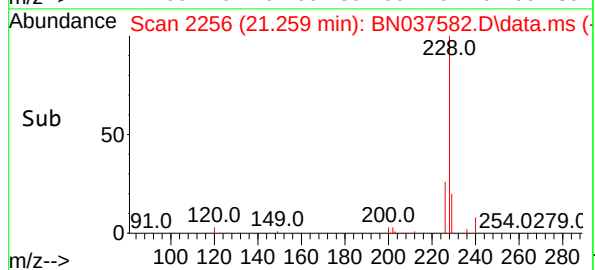
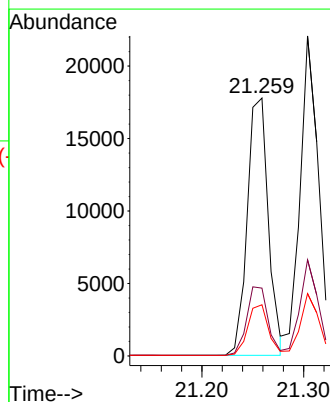
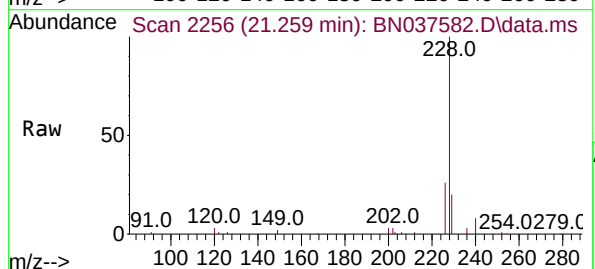
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

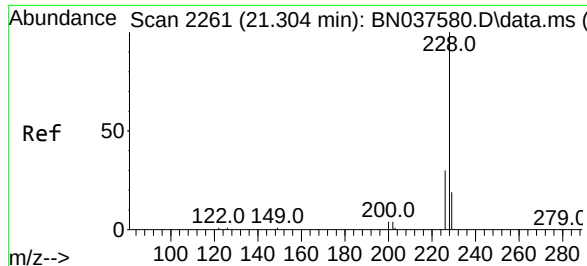
Tgt Ion:244 Resp: 15761
Ion Ratio Lower Upper
244 100
212 9.0 8.2 12.2
122 16.3 13.2 19.8



#32
Benzo(a)anthracene
Concen: 1.618 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037582.D
Acq: 12 Aug 2025 18:52

Tgt Ion:228 Resp: 25547
Ion Ratio Lower Upper
228 100
226 26.3 21.5 32.3
229 19.9 16.5 24.7





#33

Chrysene

Concen: 1.624 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

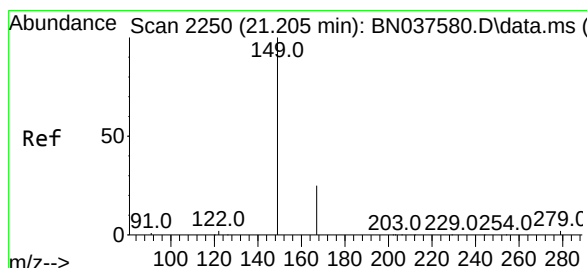
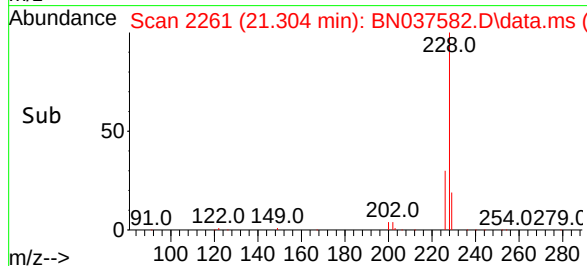
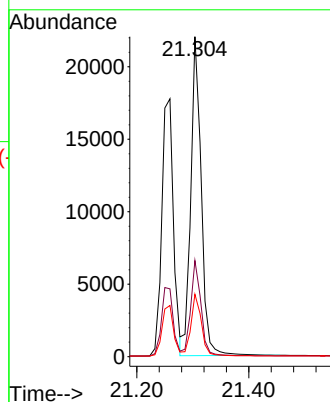
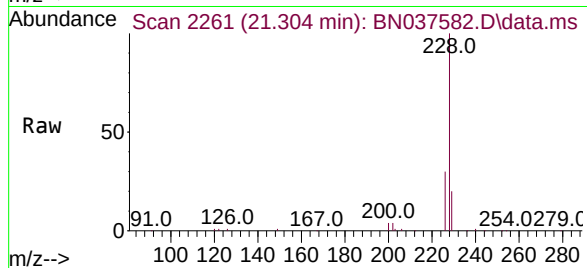
Tgt Ion:228 Resp: 28577

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 19.5 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.514 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

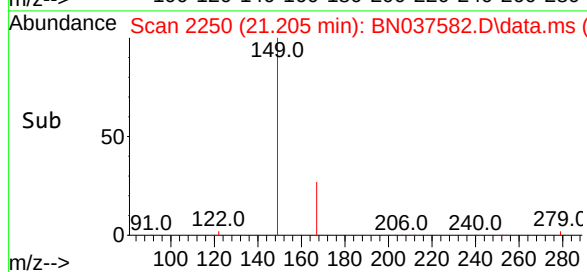
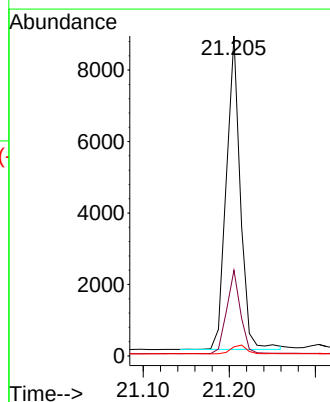
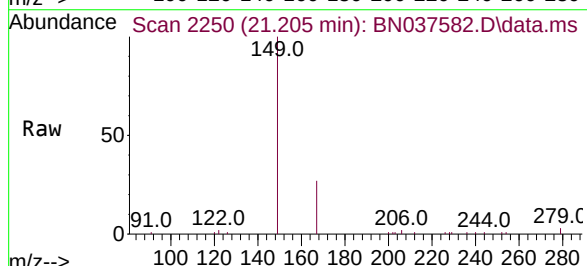
Tgt Ion:149 Resp: 9868

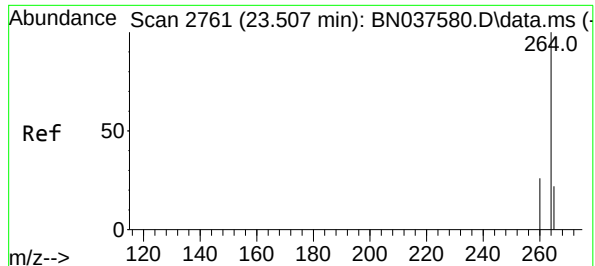
Ion Ratio Lower Upper

149 100

167 26.1 20.5 30.7

279 3.1 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.505 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037582.D

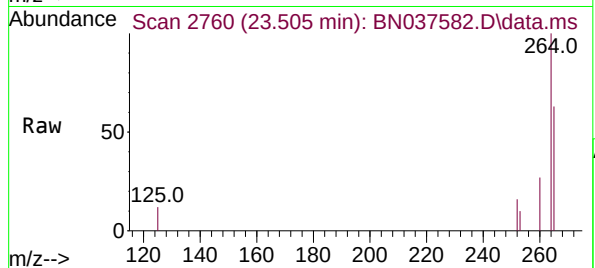
Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



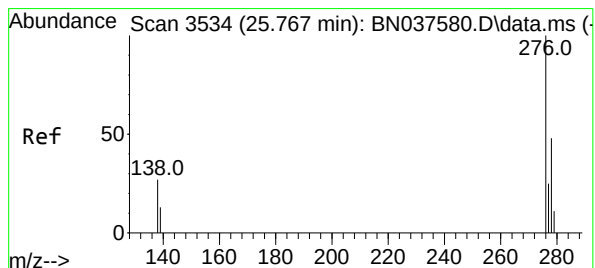
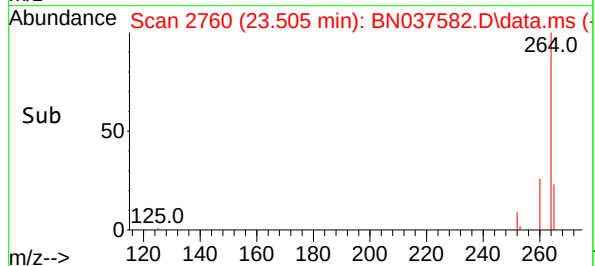
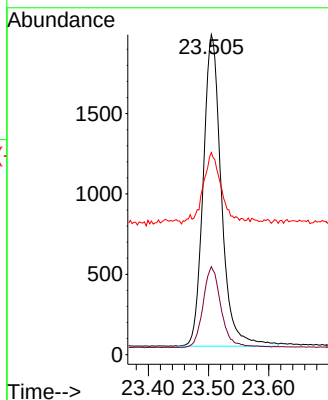
Tgt Ion:264 Resp: 4054

Ion Ratio Lower Upper

264 100

260 27.5 21.6 32.4

265 63.1 48.2 72.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.724 ng

RT: 25.768 min Scan# 3534

Delta R.T. 0.000 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

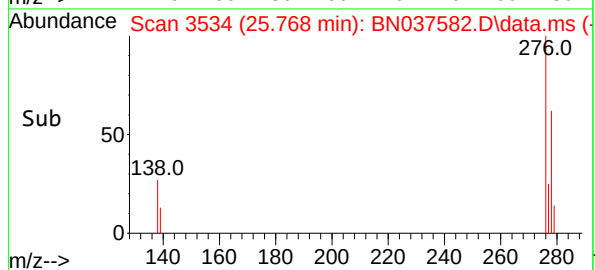
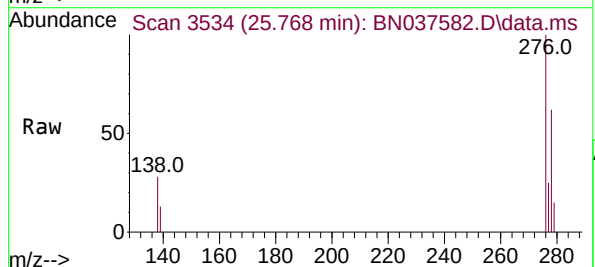
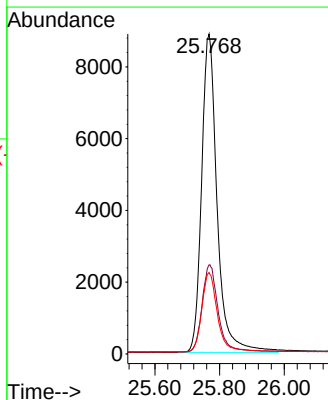
Tgt Ion:276 Resp: 29448

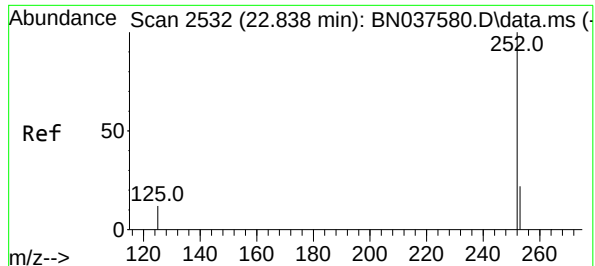
Ion Ratio Lower Upper

276 100

138 28.3 23.3 34.9

277 25.0 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 1.705 ng

RT: 22.835 min Scan# 2531

Delta R.T. -0.003 min

Lab File: BN037582.D

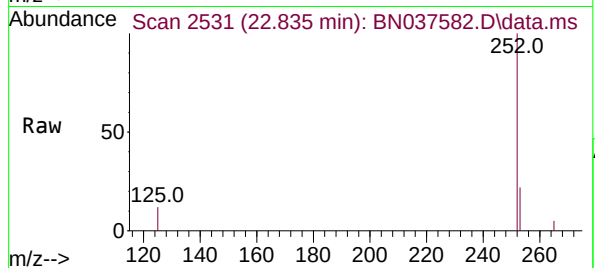
Acq: 12 Aug 2025 18:52

Instrument :

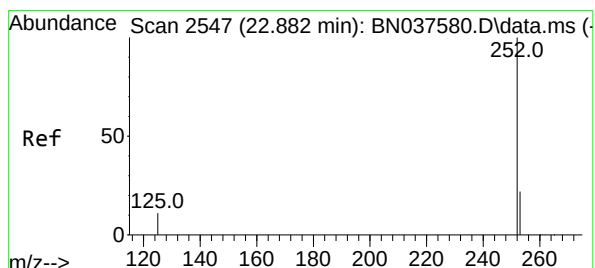
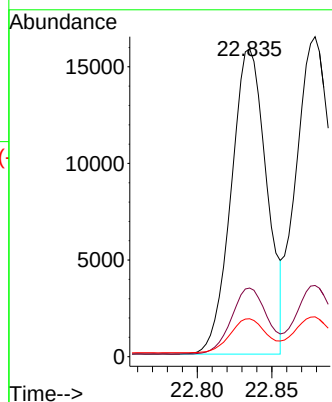
BNA_N

ClientSampleId :

SSTDICC1.6



Tgt Ion:	252	Resp:	26189
Ion Ratio	Lower	Upper	
252	100		
253	22.3	20.0	30.0
125	12.3	13.8	20.6



#38

Benzo(k)fluoranthene

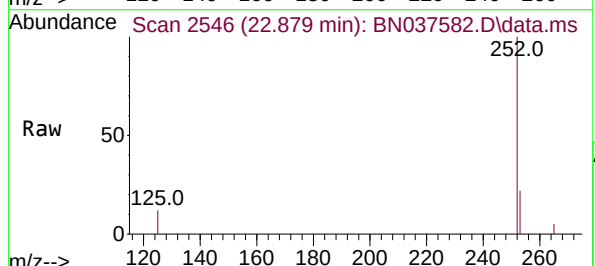
Concen: 1.703 ng

RT: 22.879 min Scan# 2546

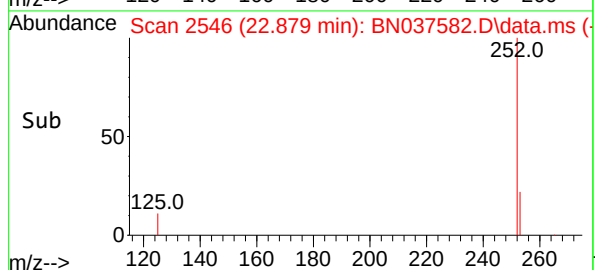
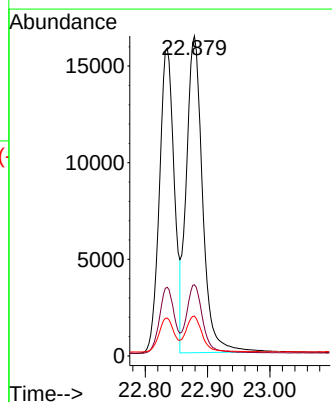
Delta R.T. -0.003 min

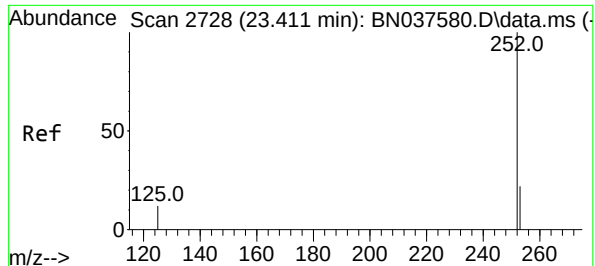
Lab File: BN037582.D

Acq: 12 Aug 2025 18:52



Tgt Ion:	252	Resp:	29528
Ion Ratio	Lower	Upper	
252	100		
253	22.2	19.9	29.9
125	12.5	15.0	22.6





#39

Benzo(a)pyrene

Concen: 1.683 ng

RT: 23.408 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037582.D

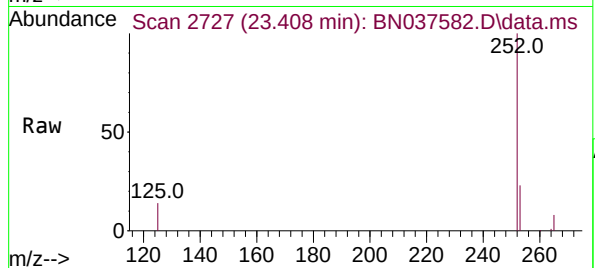
Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



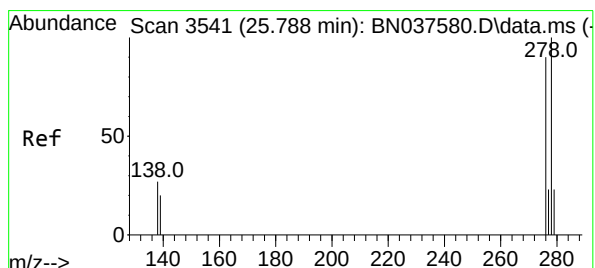
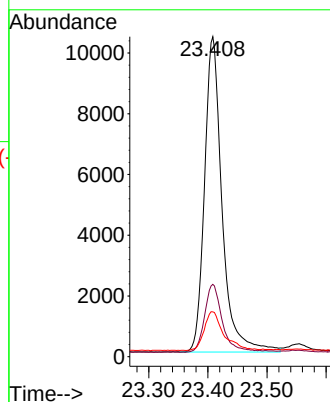
Tgt Ion:252 Resp: 21441

Ion Ratio Lower Upper

252 100

253 22.6 21.6 32.4

125 14.0 16.8 25.2#



#40

Dibenzo(a,h)anthracene

Concen: 1.761 ng

RT: 25.779 min Scan# 3538

Delta R.T. -0.009 min

Lab File: BN037582.D

Acq: 12 Aug 2025 18:52

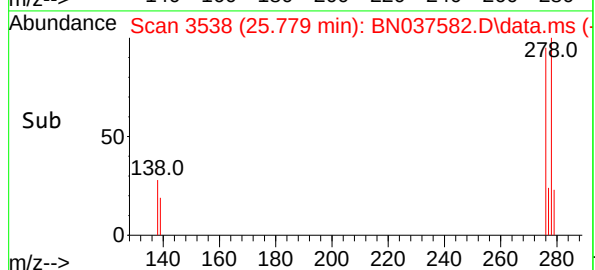
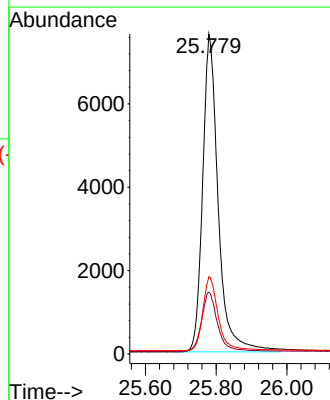
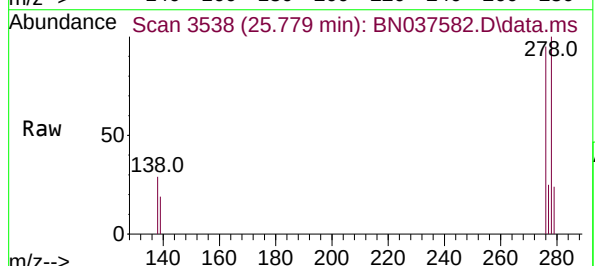
Tgt Ion:278 Resp: 23334

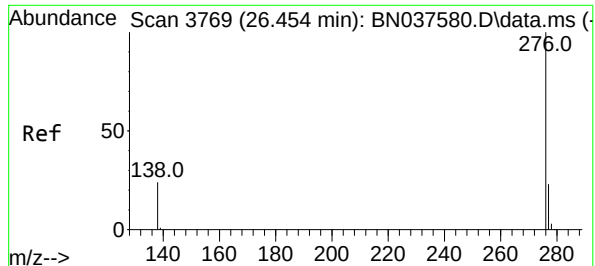
Ion Ratio Lower Upper

278 100

139 19.3 18.3 27.5

279 24.2 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 1.703 ng

RT: 26.455 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037582.D

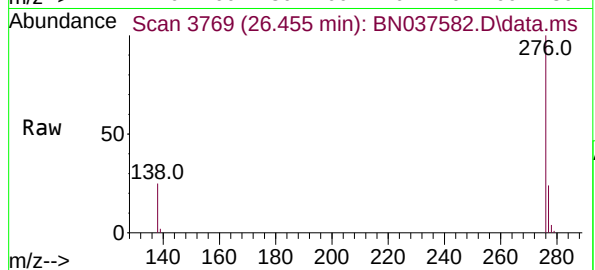
Acq: 12 Aug 2025 18:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



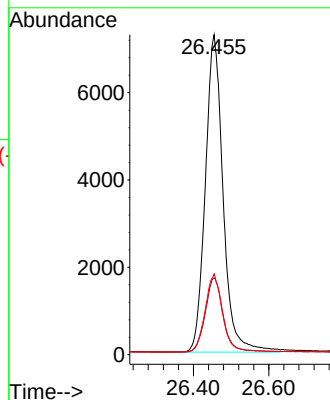
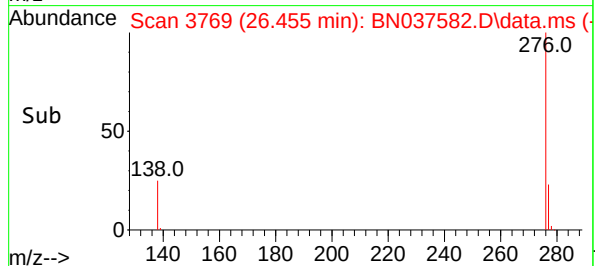
Tgt Ion:276 Resp: 23781

Ion Ratio Lower Upper

276 100

277 24.1 21.0 31.4

138 25.2 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037583.D
 Acq On : 12 Aug 2025 19:29
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Aug 13 04:49:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2075	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5019	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2699	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	5200	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5116	0.400	ng	# 0.00
35) Perylene-d12	23.508	264	4411	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	15044	3.198	ng	0.00
5) Phenol-d6	6.879	99	18546	3.276	ng	0.00
8) Nitrobenzene-d5	8.854	82	12097	3.422	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	23211	3.402	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	4382	3.710	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	51634	3.308	ng	0.00
27) Fluoranthene-d10	19.118	212	46178	3.376	ng	0.00
31) Terphenyl-d14	19.722	244	34892	3.315	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	6233	3.140	ng	98
3) n-Nitrosodimethylamine	3.536	42	8352	3.292	ng	97
6) bis(2-Chloroethyl)ether	7.139	93	16734	3.280	ng	98
9) Naphthalene	10.552	128	43991	3.292	ng	97
10) Hexachlorobutadiene	10.851	225	10602	3.248	ng	# 99
12) 2-Methylnaphthalene	12.167	142	29337	3.501	ng	98
16) Acenaphthylene	14.067	152	40122	3.316	ng	99
17) Acenaphthene	14.409	154	27774	3.375	ng	94
18) Fluorene	15.393	166	36565	3.396	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	2906	3.257	ng	# 49
21) 4-Bromophenyl-phenylether	16.292	248	11254	3.444	ng	# 92
22) Hexachlorobenzene	16.404	284	14747	3.183	ng	100
23) Atrazine	16.553	200	7330	3.967	ng	94
24) Pentachlorophenol	16.739	266	6325	3.887	ng	97
25) Phenanthrene	17.124	178	52784	3.339	ng	100
26) Anthracene	17.223	178	49333	3.525	ng	100
28) Fluoranthene	19.150	202	63765	3.511	ng	100
30) Pyrene	19.513	202	62227	3.254	ng	100
32) Benzo(a)anthracene	21.259	228	59663	3.491	ng	98
33) Chrysene	21.304	228	60925	3.199	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	24265	3.440	ng	99
36) Indeno(1,2,3-cd)pyrene	25.768	276	66459	3.576	ng	99
37) Benzo(b)fluoranthene	22.835	252	59086	3.535	ng	# 92
38) Benzo(k)fluoranthene	22.879	252	63422	3.363	ng	# 90
39) Benzo(a)pyrene	23.411	252	48767	3.518	ng	# 87
40) Dibenzo(a,h)anthracene	25.782	278	53486	3.709	ng	92
41) Benzo(g,h,i)perylene	26.455	276	54068	3.558	ng	95

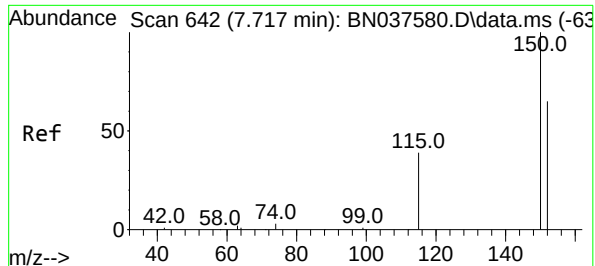
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Abundance

TIC: BN037583.D\data.ms

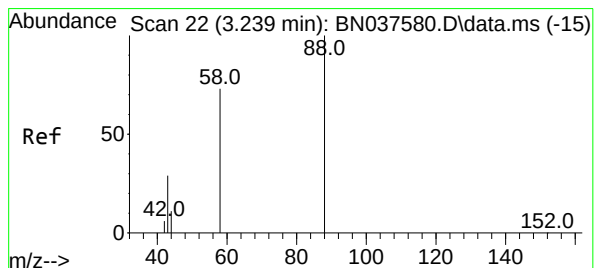
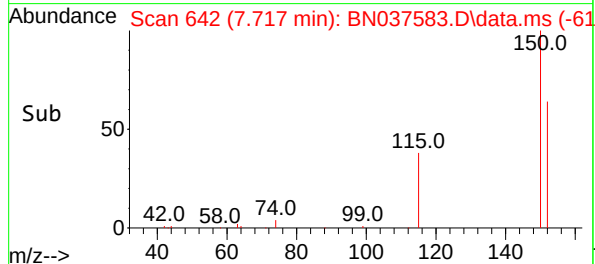
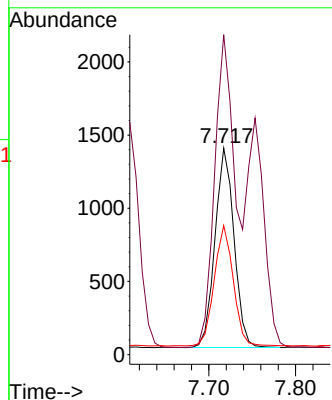
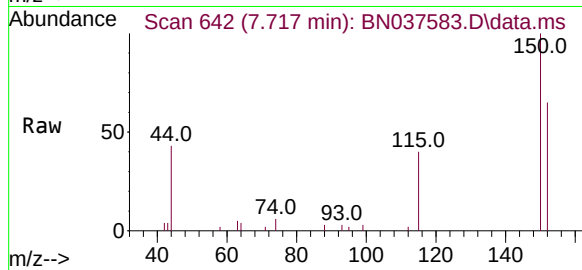
Time-->



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

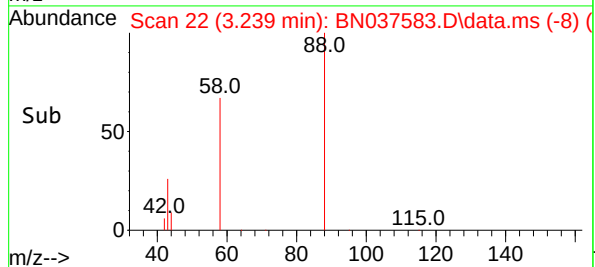
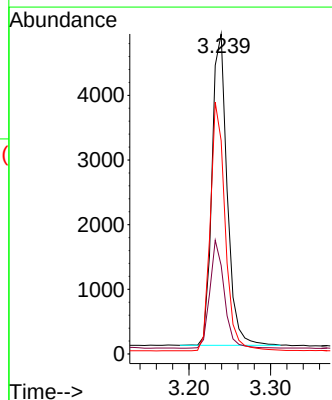
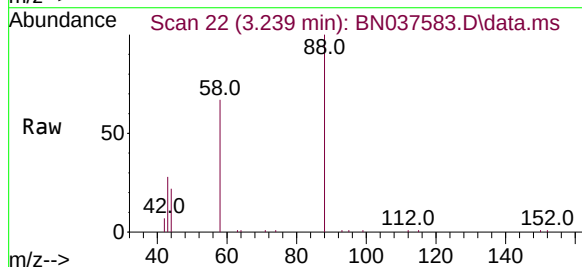
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

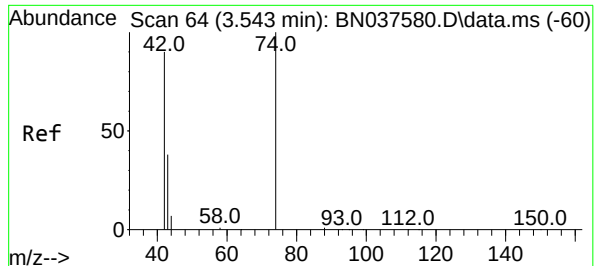
Tgt Ion: 152 Resp: 2075
Ion Ratio Lower Upper
152 100
150 154.9 122.2 183.4
115 62.4 49.8 74.6



#2
1,4-Dioxane
Concen: 3.140 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion: 88 Resp: 6233
Ion Ratio Lower Upper
88 100
43 32.9 25.8 38.6
58 78.1 61.2 91.8

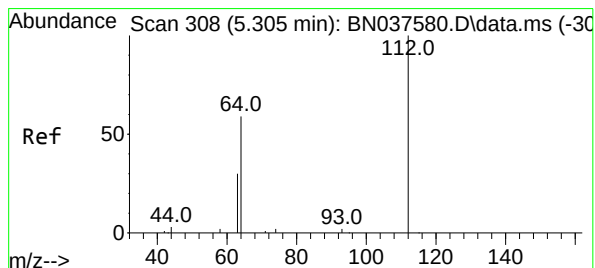
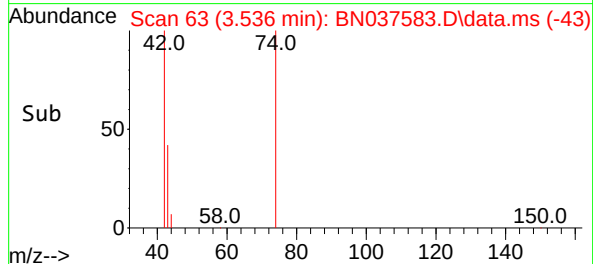
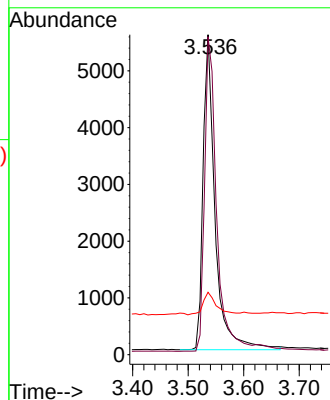
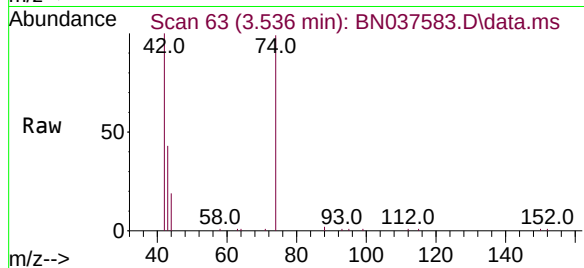




#3
n-Nitrosodimethylamine
Concen: 3.292 ng
RT: 3.536 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

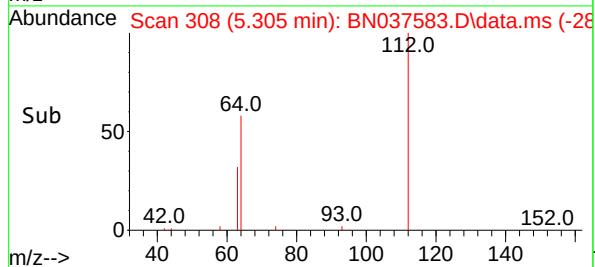
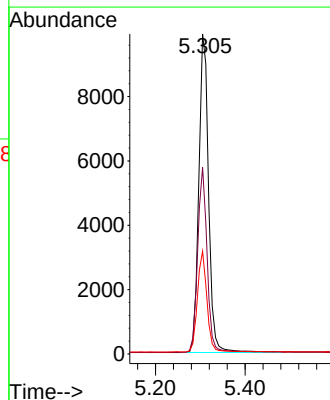
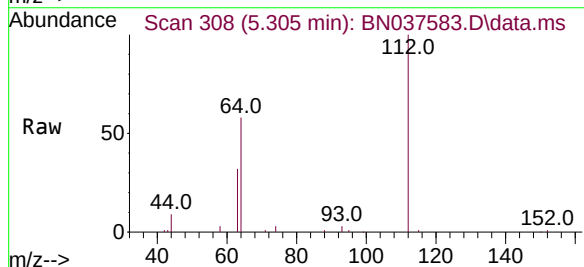
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

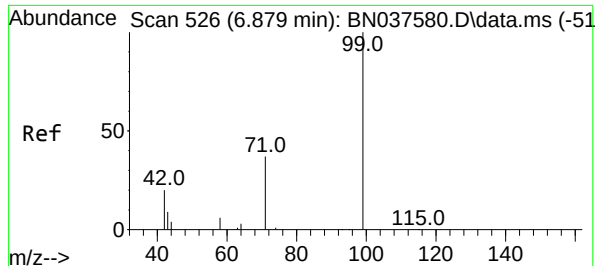
Tgt Ion: 42 Resp: 8352
Ion Ratio Lower Upper
42 100
74 99.7 82.0 123.0
44 8.0 7.9 11.9



#4
2-Fluorophenol
Concen: 3.198 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion: 112 Resp: 15044
Ion Ratio Lower Upper
112 100
64 56.5 44.9 67.3
63 30.7 23.4 35.2





#5

Phenol-d6

Concen: 3.276 ng

RT: 6.879 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

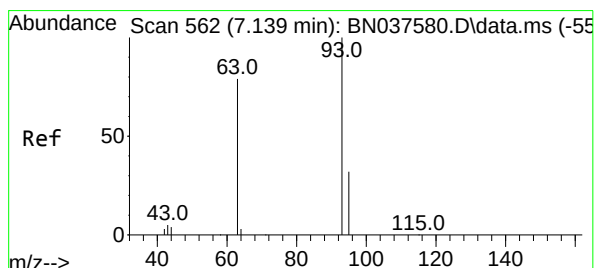
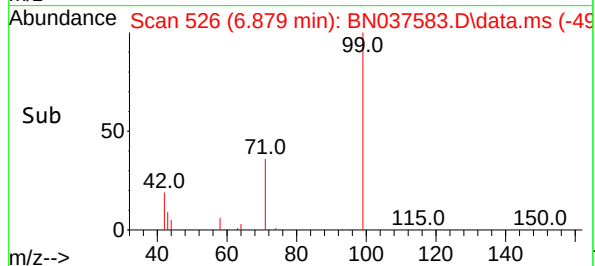
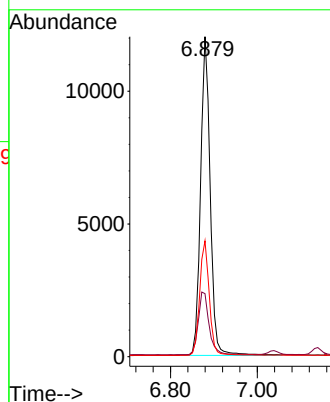
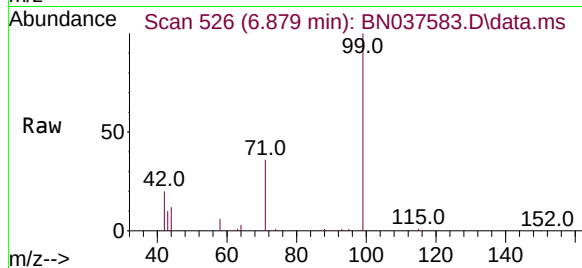
Tgt Ion: 99 Resp: 18546

Ion Ratio Lower Upper

99 100

42 22.2 18.5 27.7

71 36.1 28.6 42.8



#6

bis(2-Chloroethyl)ether

Concen: 3.280 ng

RT: 7.139 min Scan# 562

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

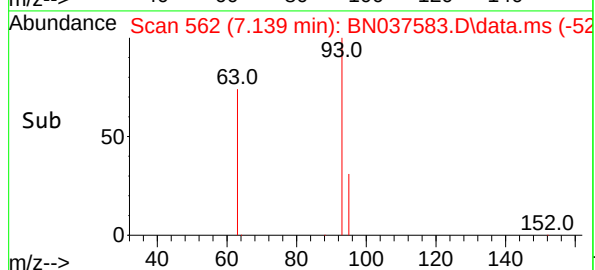
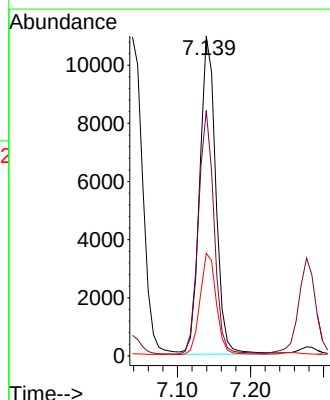
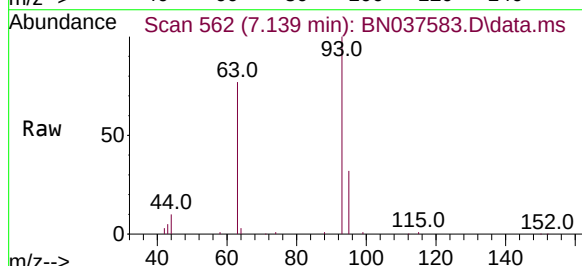
Tgt Ion: 93 Resp: 16734

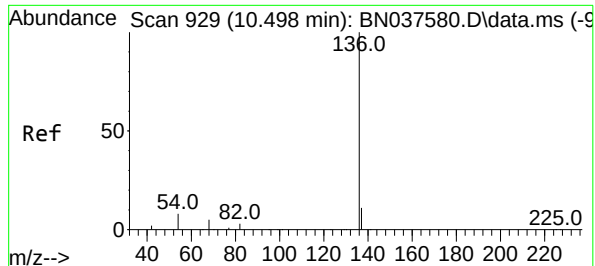
Ion Ratio Lower Upper

93 100

63 74.4 58.0 87.0

95 32.0 24.9 37.3

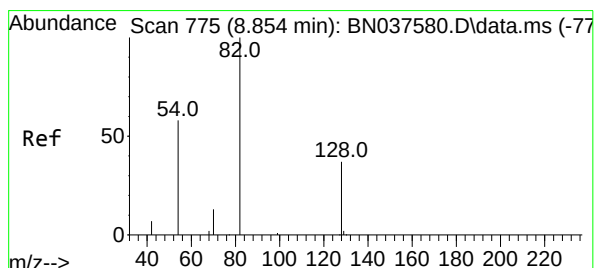
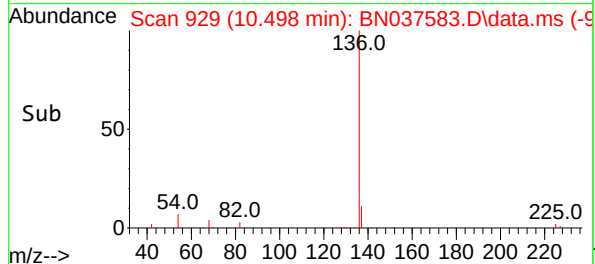
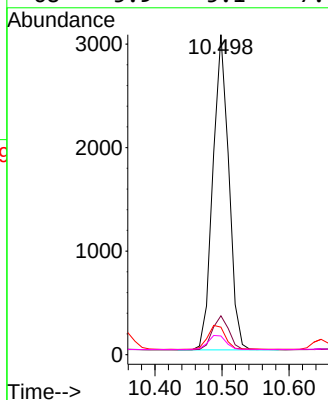
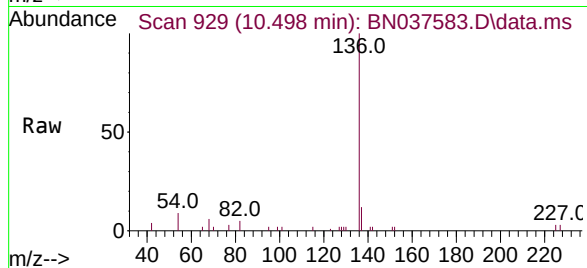




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

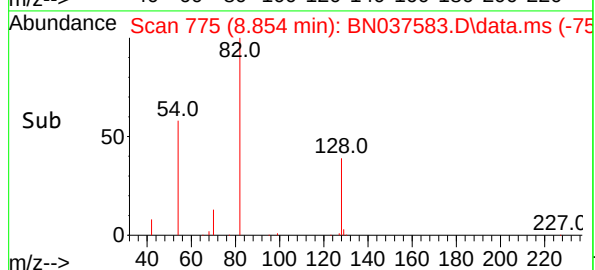
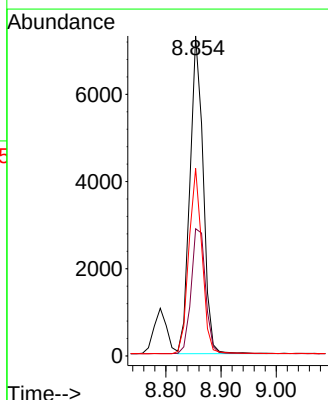
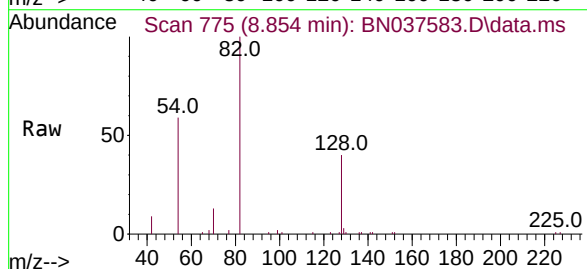
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

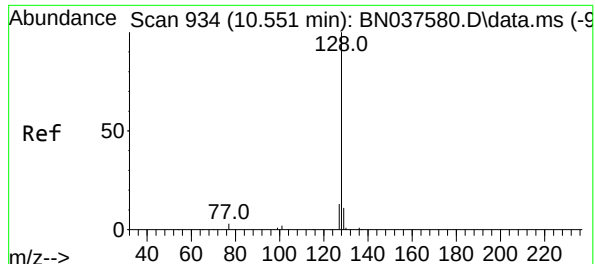
Tgt Ion:	136	Resp:	5019
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	8.6	7.3	10.9
68	5.9	5.1	7.7



#8
Nitrobenzene-d5
Concen: 3.422 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:	82	Resp:	12097
Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.6	48.8
54	58.6	48.9	73.3





#9

Naphthalene

Concen: 3.292 ng

RT: 10.552 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

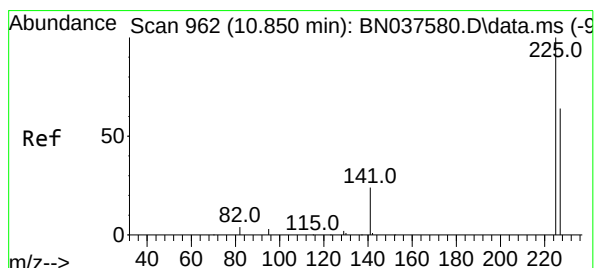
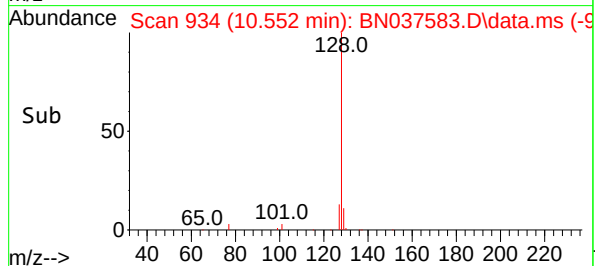
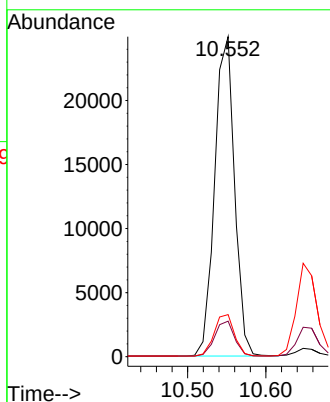
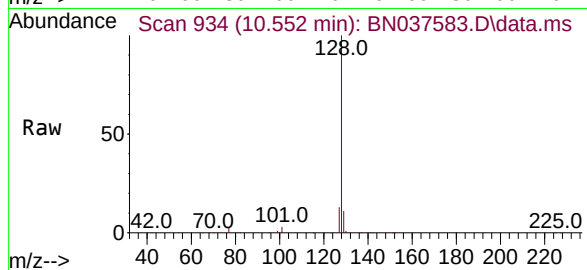
Tgt Ion:128 Resp: 43991

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.6

127 13.2 11.5 17.3



#10

Hexachlorobutadiene

Concen: 3.248 ng

RT: 10.851 min Scan# 962

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

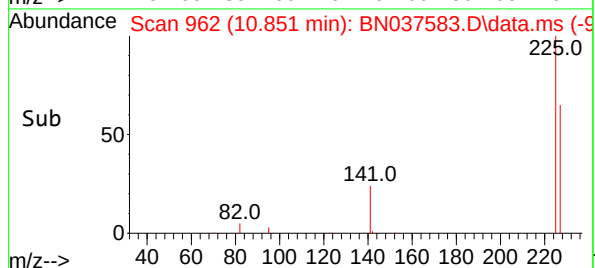
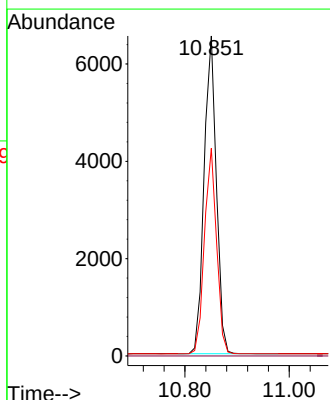
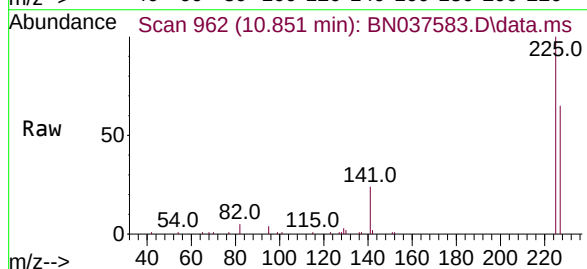
Tgt Ion:225 Resp: 10602

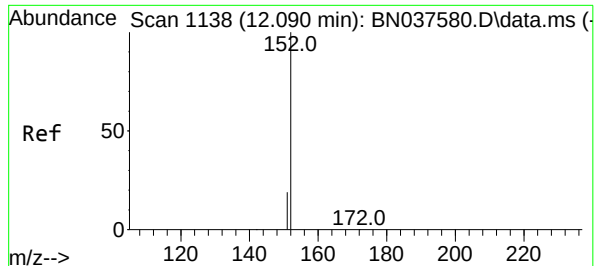
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.0 50.8 76.2

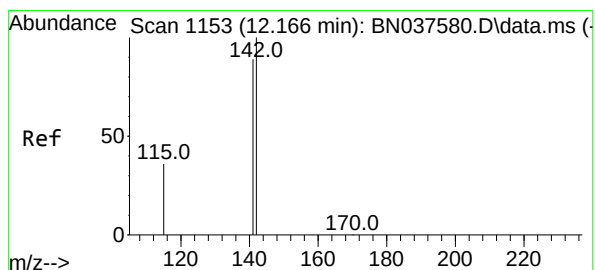
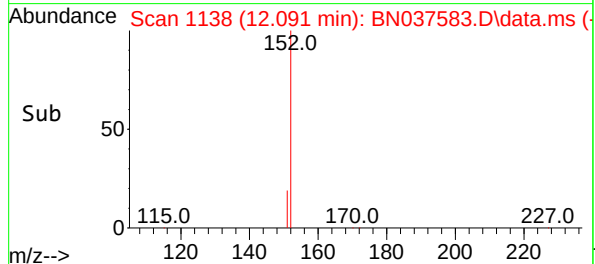
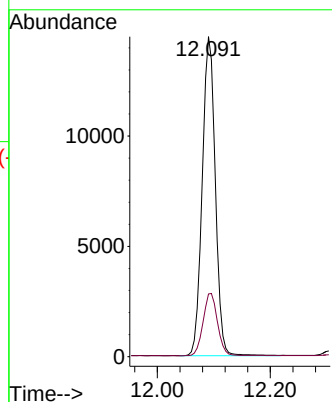
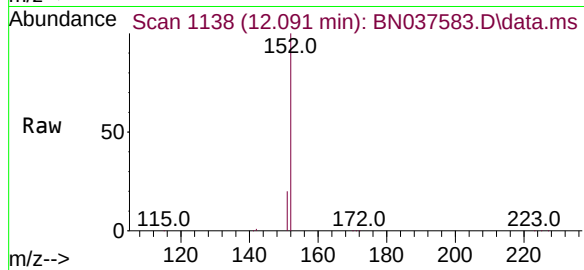




#11
2-Methylnaphthalene-d10
Concen: 3.402 ng
RT: 12.091 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

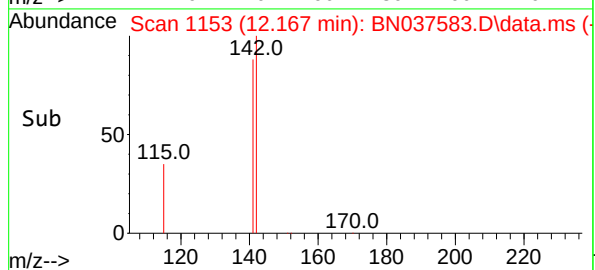
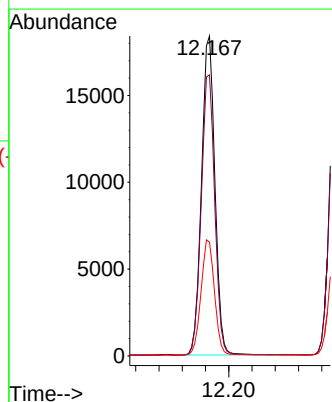
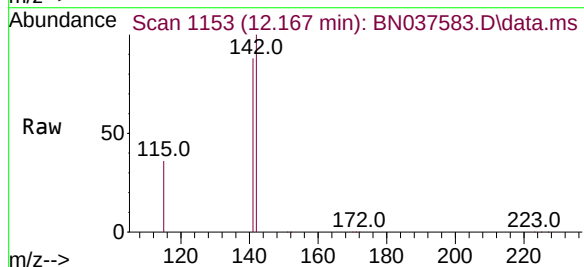
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

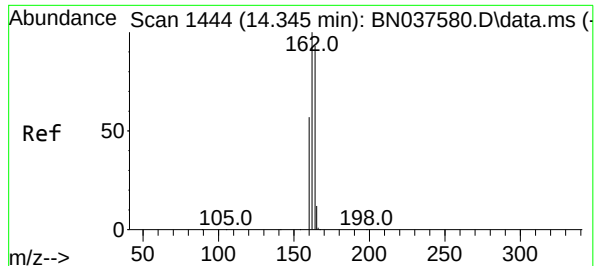
Tgt Ion:152 Resp: 23211
Ion Ratio Lower Upper
152 100
151 21.5 17.3 25.9



#12
2-Methylnaphthalene
Concen: 3.501 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:142 Resp: 29337
Ion Ratio Lower Upper
142 100
141 87.9 71.4 107.0
115 35.5 30.2 45.4

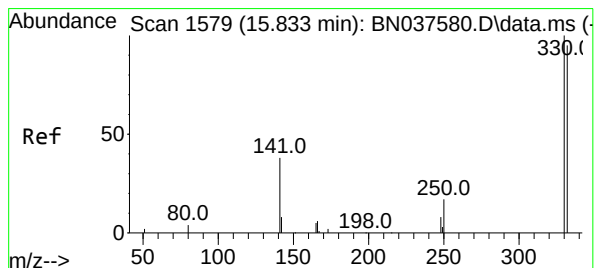
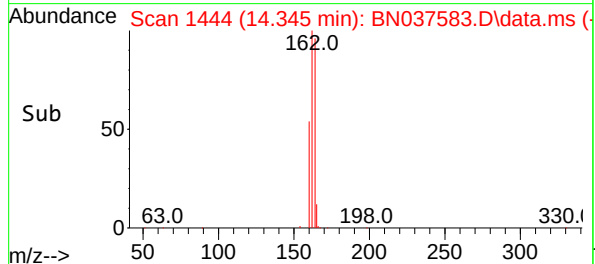
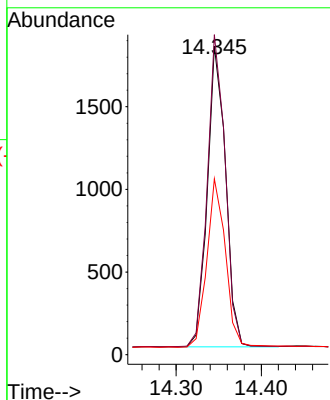
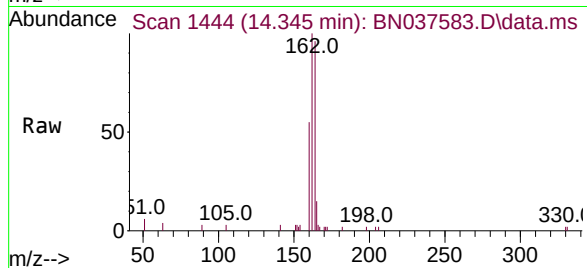




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

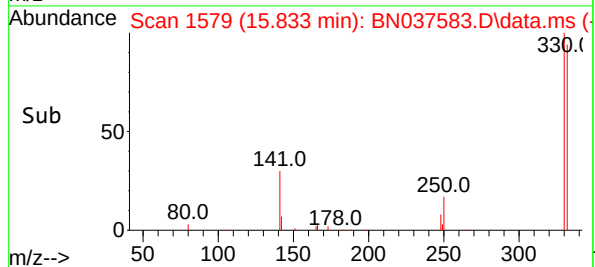
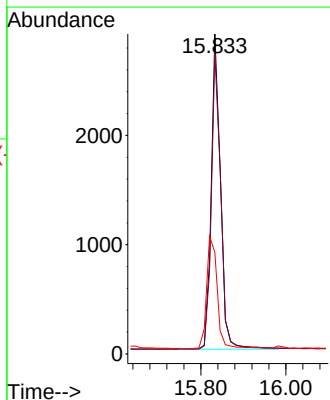
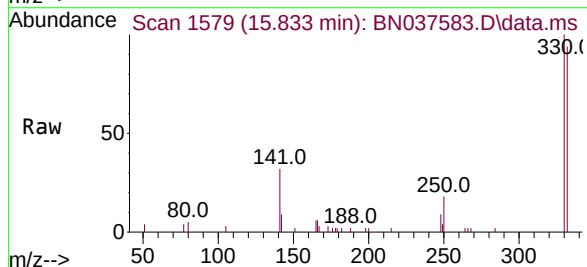
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

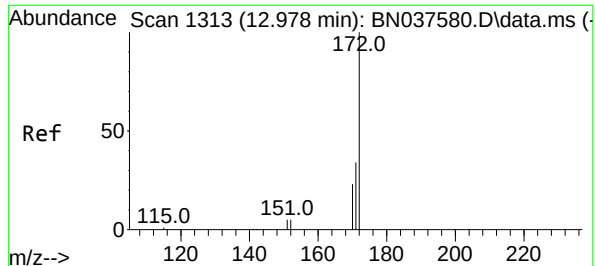
Tgt Ion:164 Resp: 2699
Ion Ratio Lower Upper
164 100
162 103.8 85.5 128.3
160 57.0 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 3.710 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:330 Resp: 4382
Ion Ratio Lower Upper
330 100
332 95.1 77.4 116.0
141 40.3 30.9 46.3

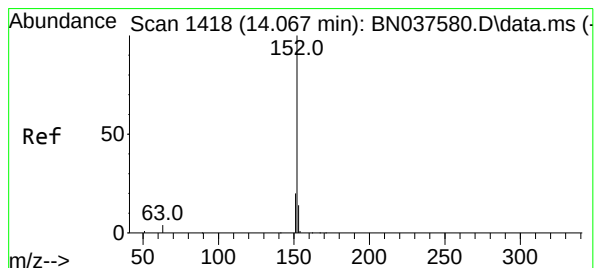
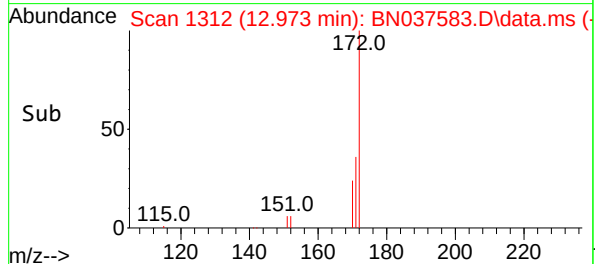
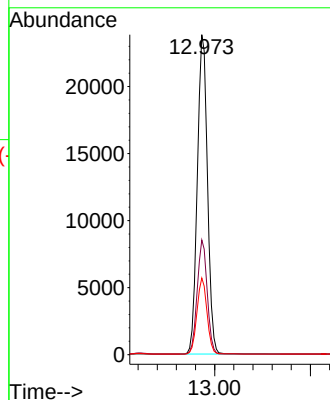
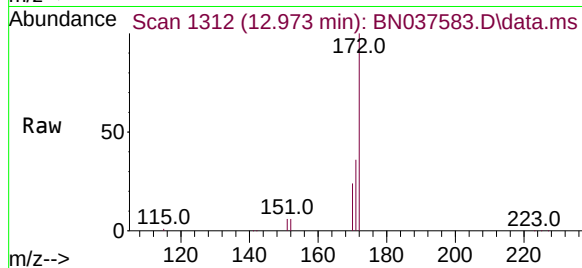




#15
2-Fluorobiphenyl
Concen: 3.308 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

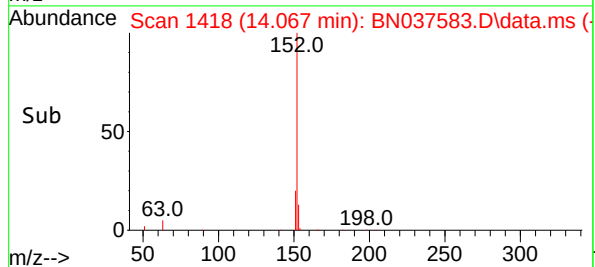
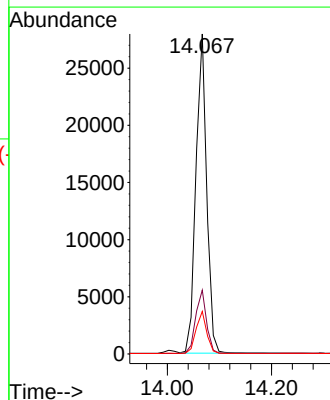
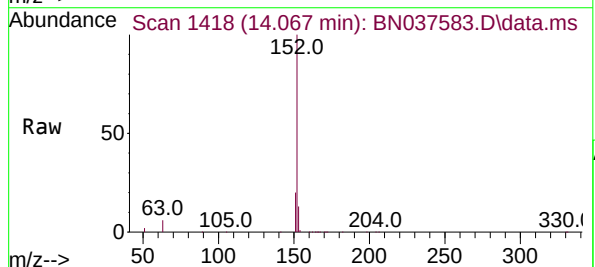
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

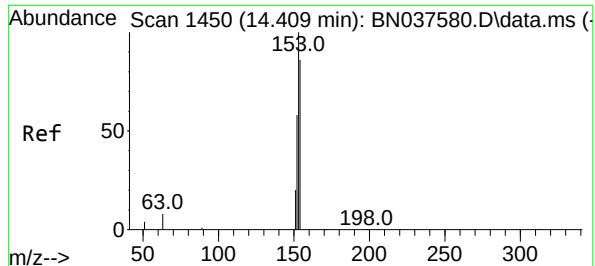
Tgt Ion:172 Resp: 51634
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.4
170 24.0 19.2 28.8



#16
Acenaphthylene
Concen: 3.316 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:152 Resp: 40122
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.7 16.1

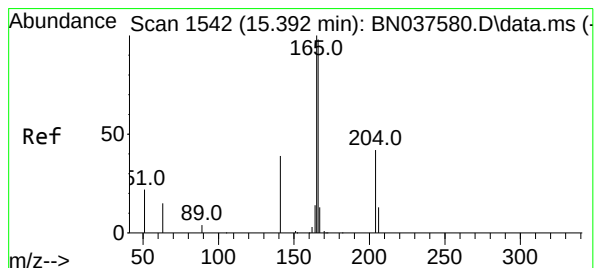
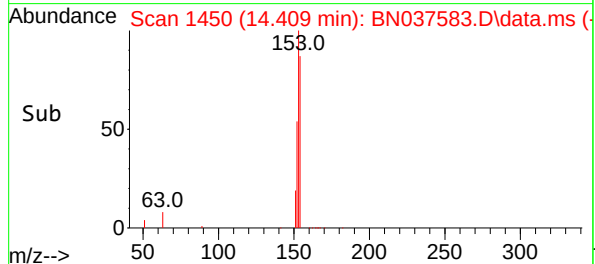
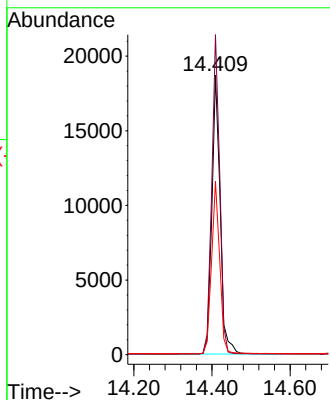
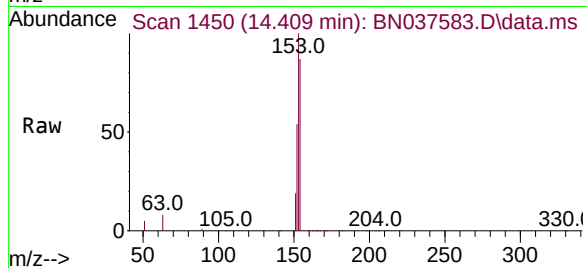




#17
Acenaphthene
Concen: 3.375 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

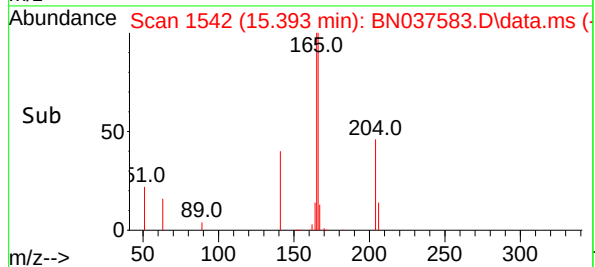
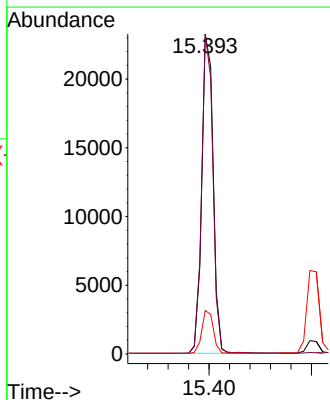
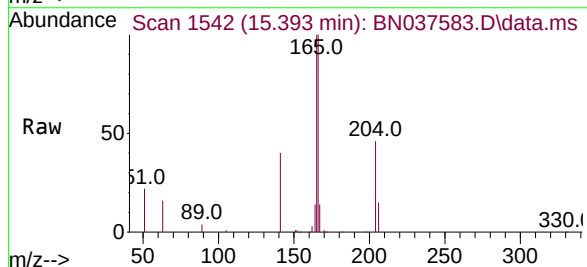
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

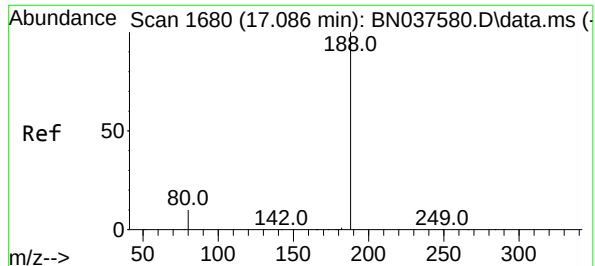
Tgt Ion:154 Resp: 27774
Ion Ratio Lower Upper
154 100
153 109.4 90.6 135.8
152 60.7 54.9 82.3



#18
Fluorene
Concen: 3.396 ng
RT: 15.393 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:166 Resp: 36565
Ion Ratio Lower Upper
166 100
165 98.5 78.9 118.3
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

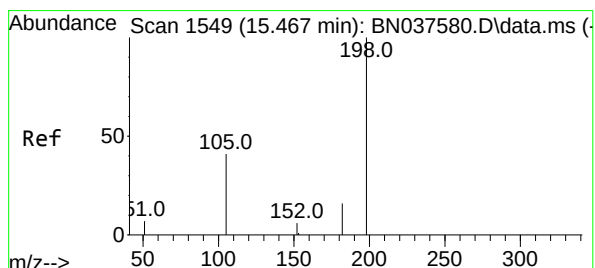
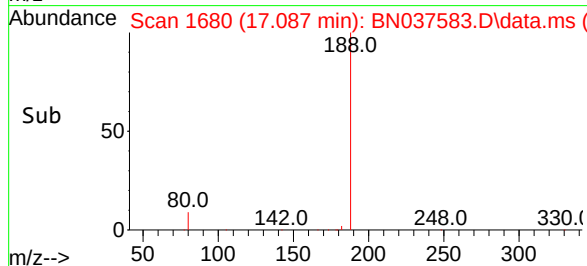
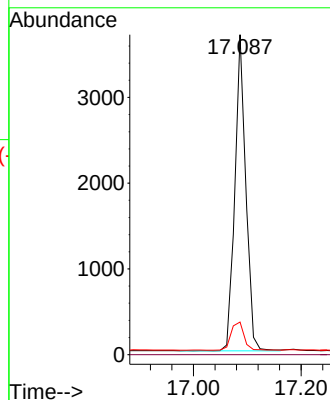
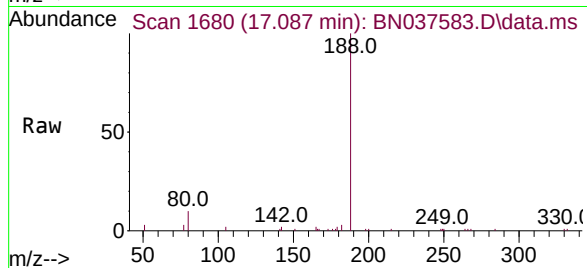
Tgt Ion:188 Resp: 5200

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 3.257 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

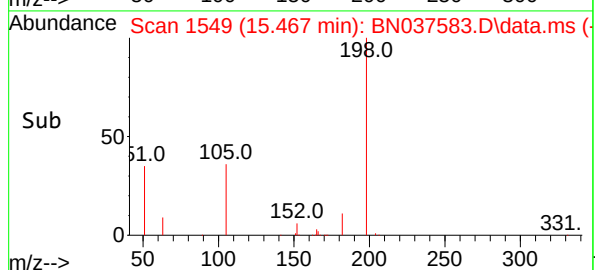
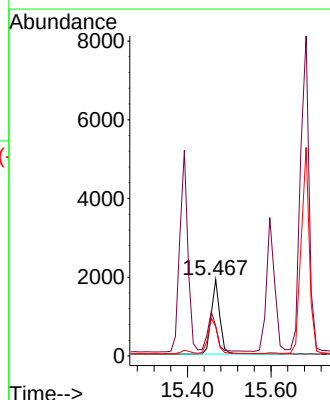
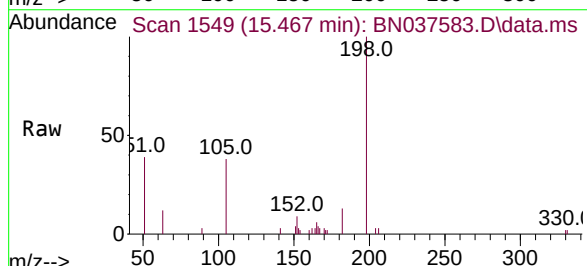
Tgt Ion:198 Resp: 2906

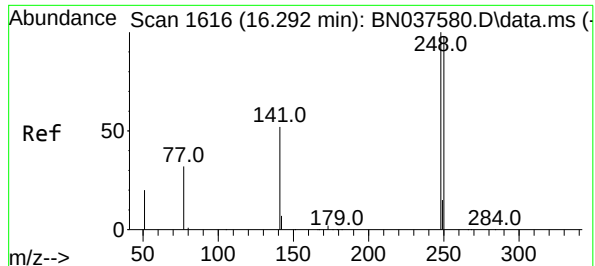
Ion Ratio Lower Upper

198 100

51 39.4 81.0 121.6#

105 38.3 52.5 78.7#





#21

4-Bromophenyl-phenylether

Concen: 3.444 ng

RT: 16.292 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

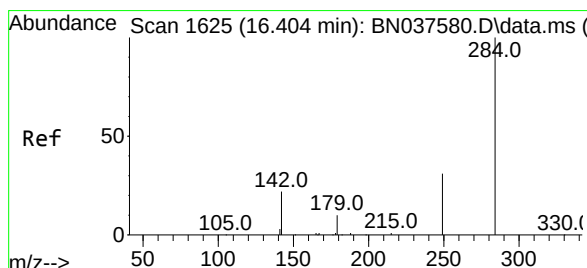
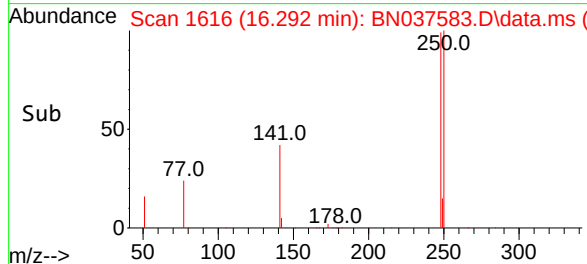
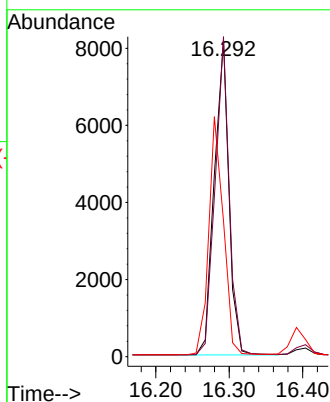
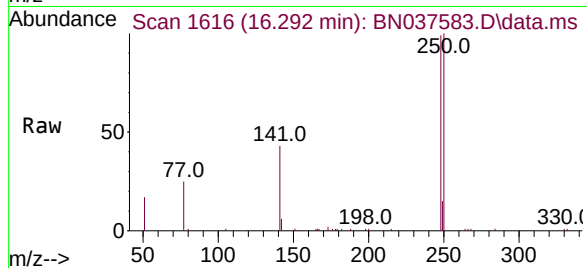
Tgt Ion:248 Resp: 11254

Ion Ratio Lower Upper

248 100

250 101.0 78.6 118.0

141 42.9 43.7 65.5#



#22

Hexachlorobenzene

Concen: 3.183 ng

RT: 16.404 min Scan# 1625

Delta R.T. -0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

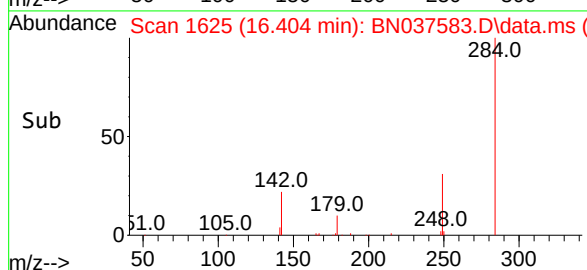
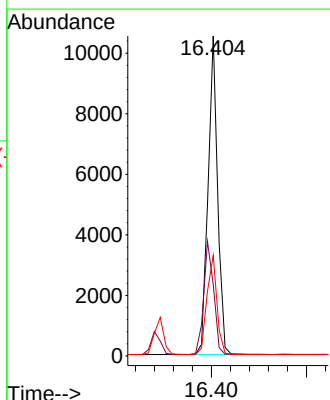
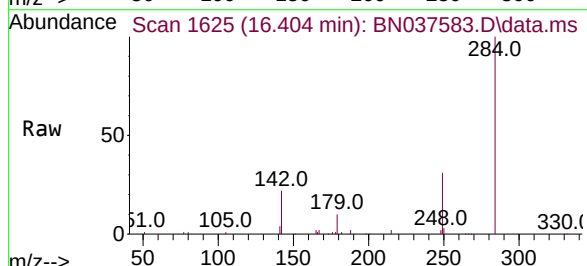
Tgt Ion:284 Resp: 14747

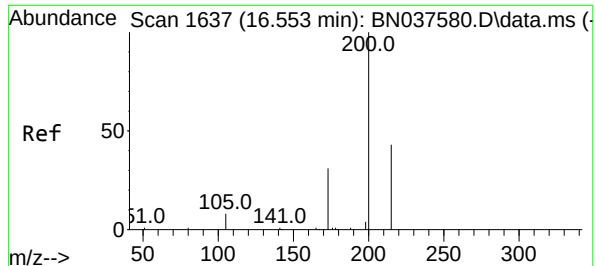
Ion Ratio Lower Upper

284 100

142 37.0 29.8 44.6

249 32.6 26.0 39.0

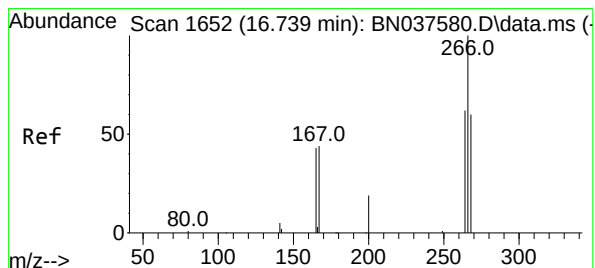
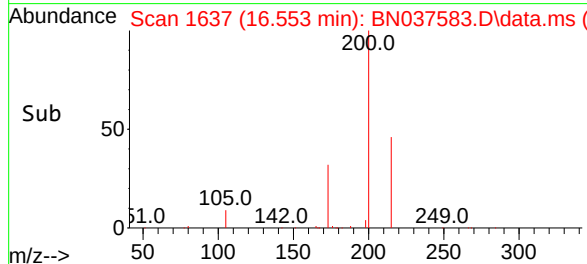
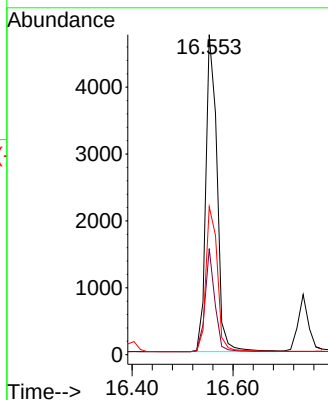
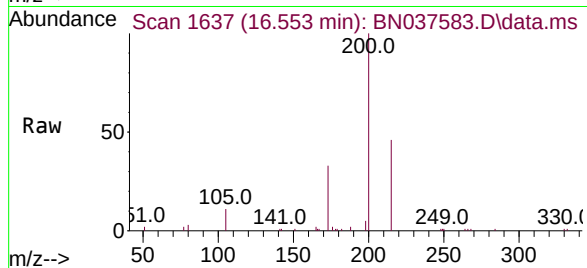




#23
Atrazine
Concen: 3.967 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

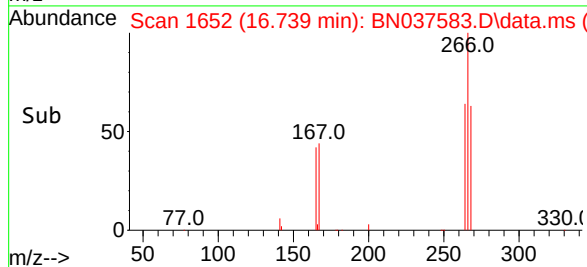
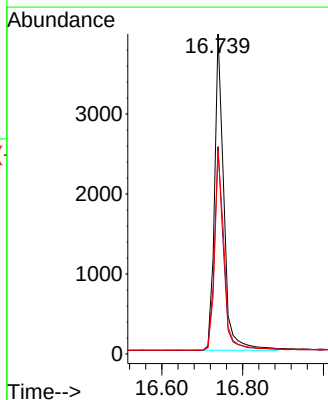
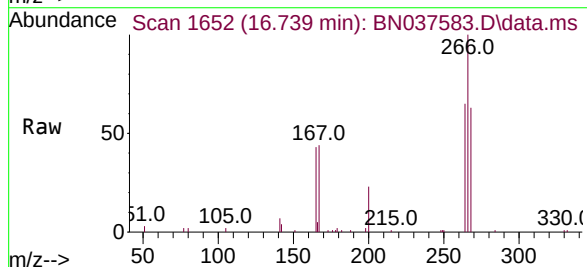
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

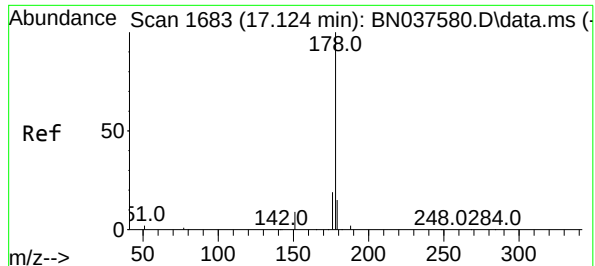
Tgt Ion:200 Resp: 7330
Ion Ratio Lower Upper
200 100
173 33.1 31.0 46.4
215 46.2 39.4 59.0



#24
Pentachlorophenol
Concen: 3.887 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:266 Resp: 6325
Ion Ratio Lower Upper
266 100
264 63.4 49.6 74.4
268 64.3 49.2 73.8

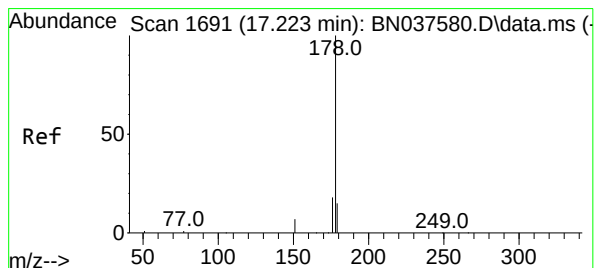
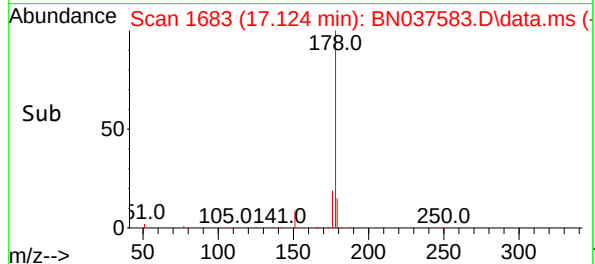
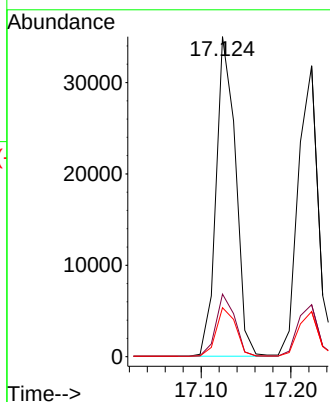
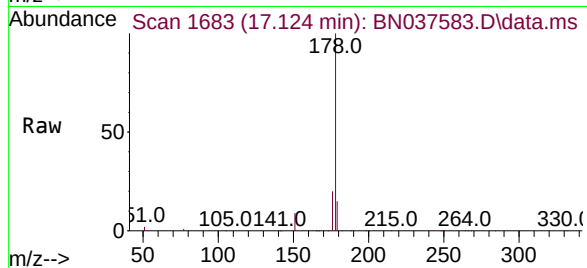




#25
Phenanthrene
Concen: 3.339 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

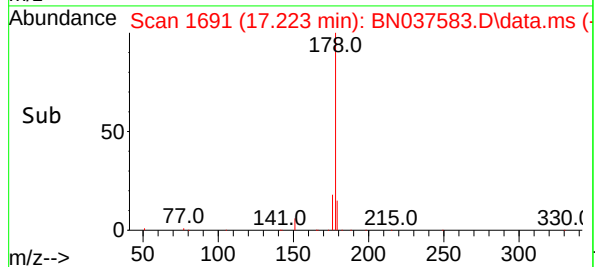
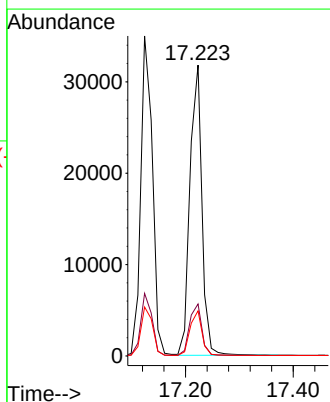
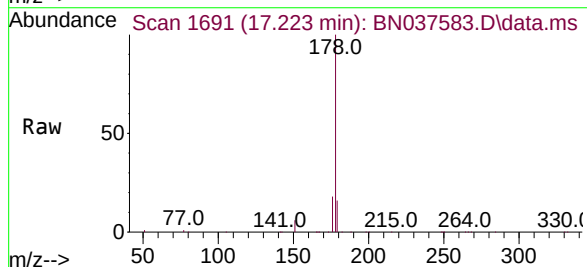
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

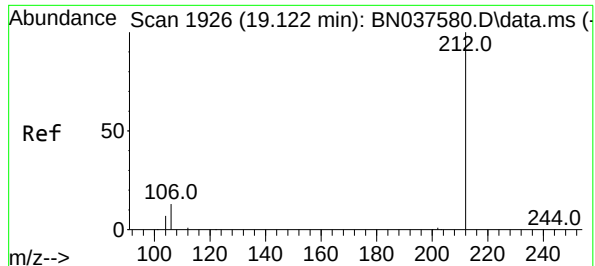
Tgt Ion:178 Resp: 52784
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.3 12.3 18.5



#26
Anthracene
Concen: 3.525 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion:178 Resp: 49333
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.3 12.3 18.5





#27

Fluoranthene-d10

Concen: 3.376 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.004 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

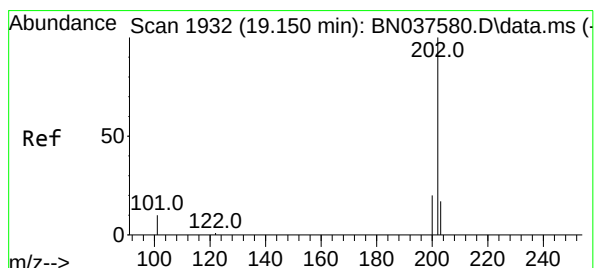
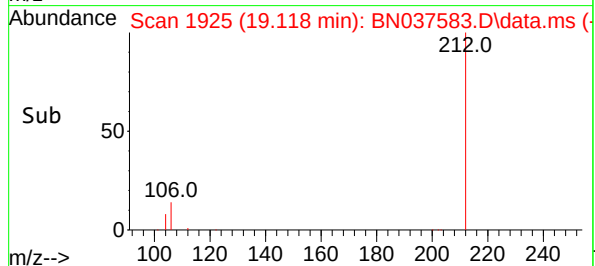
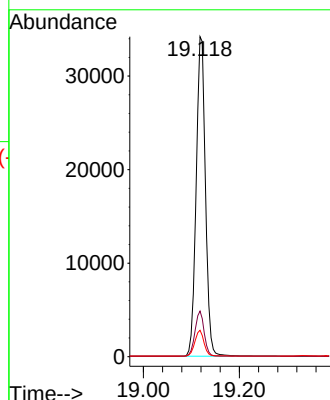
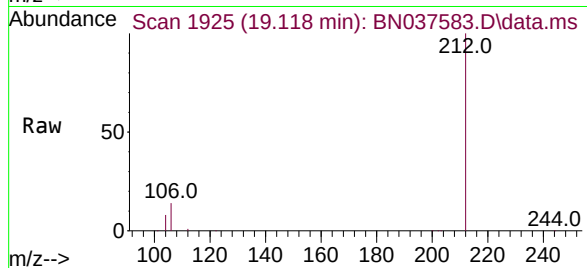
Tgt Ion:212 Resp: 46178

Ion Ratio Lower Upper

212 100

106 13.9 11.5 17.3

104 8.0 6.6 9.8



#28

Fluoranthene

Concen: 3.511 ng

RT: 19.150 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

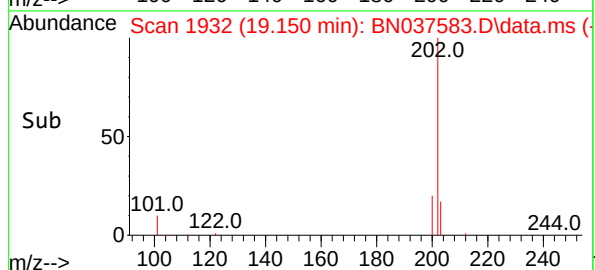
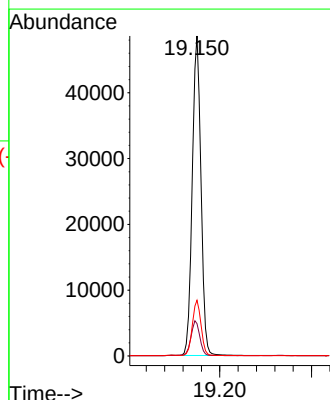
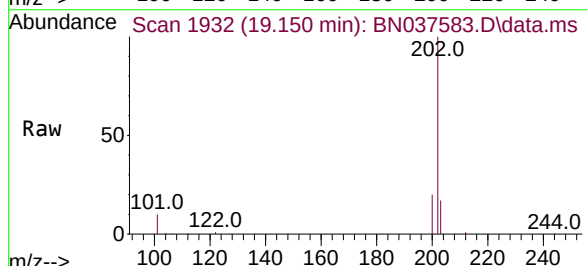
Tgt Ion:202 Resp: 63765

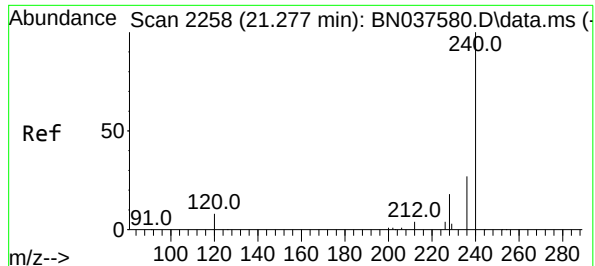
Ion Ratio Lower Upper

202 100

101 11.1 9.0 13.6

203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

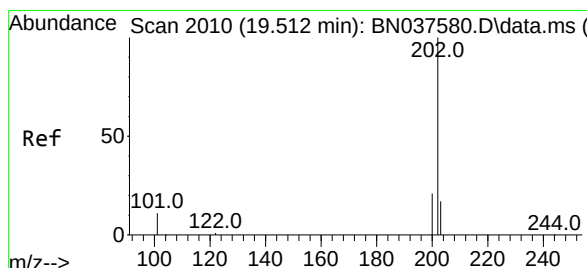
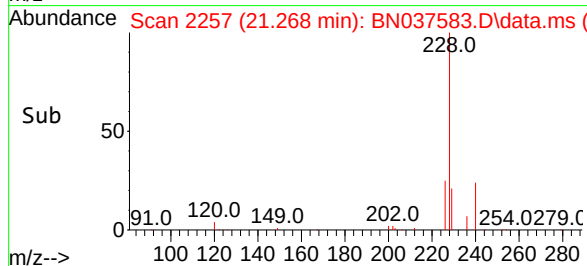
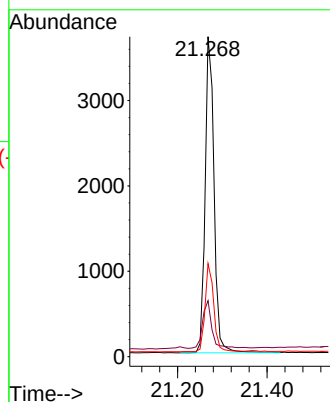
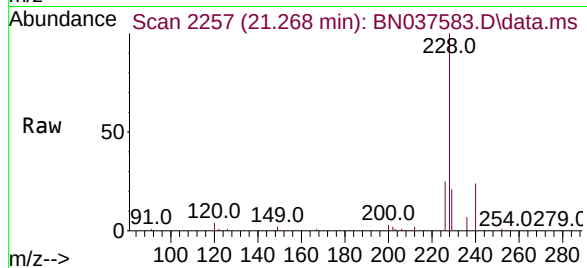
Tgt Ion:240 Resp: 5116

Ion Ratio Lower Upper

240 100

120 17.5 8.9 13.3#

236 29.1 22.6 33.8



#30

Pyrene

Concen: 3.254 ng

RT: 19.513 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

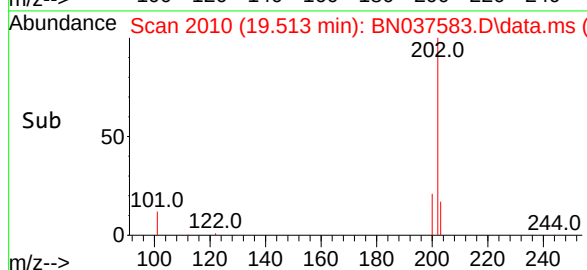
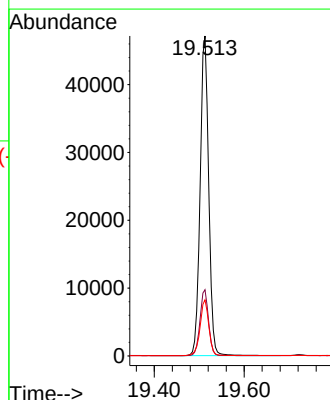
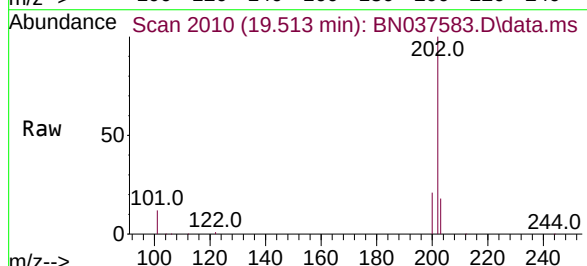
Tgt Ion:202 Resp: 62227

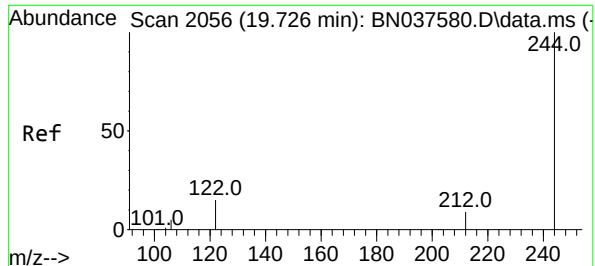
Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 17.8 14.3 21.5

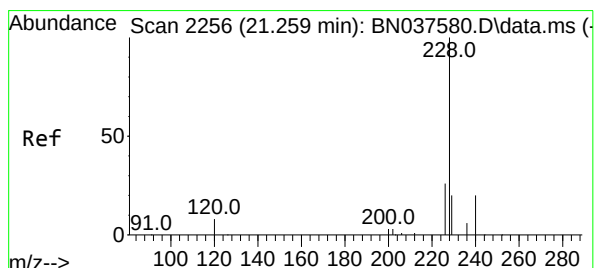
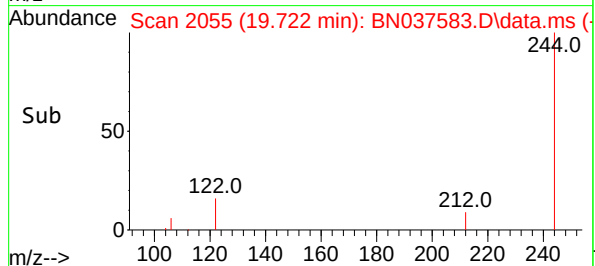
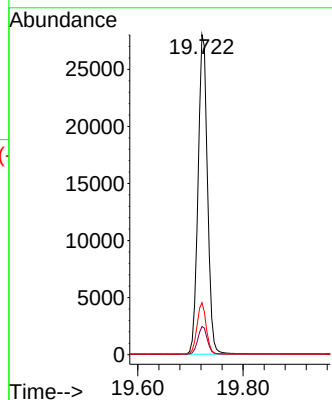
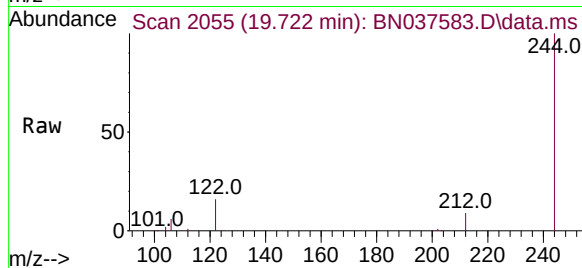




#31
Terphenyl-d14
Concen: 3.315 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.004 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

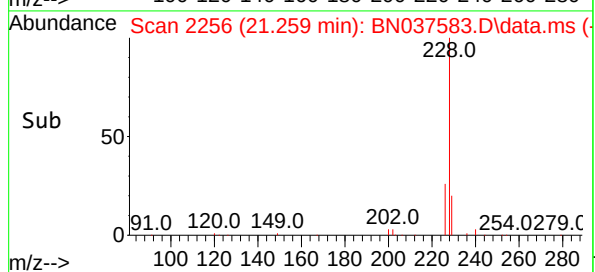
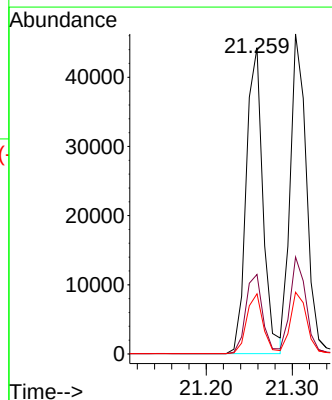
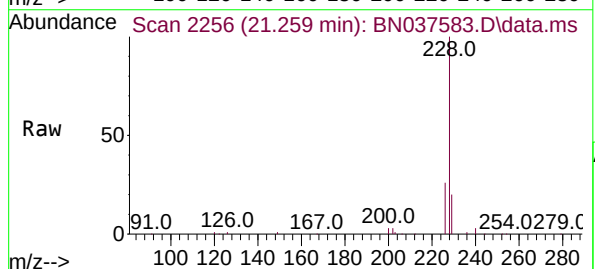
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

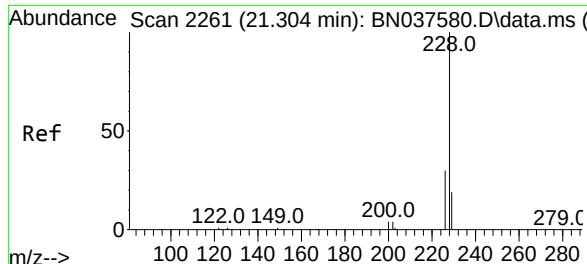
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.2	12.2
122	16.2	13.2	19.8



#32
Benzo(a)anthracene
Concen: 3.491 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037583.D
Acq: 12 Aug 2025 19:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.5	32.3
229	19.6	16.5	24.7





#33

Chrysene

Concen: 3.199 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

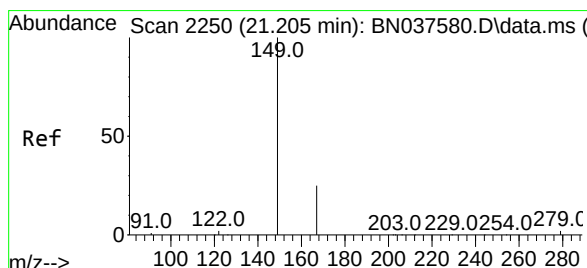
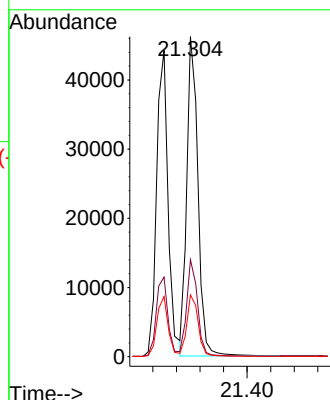
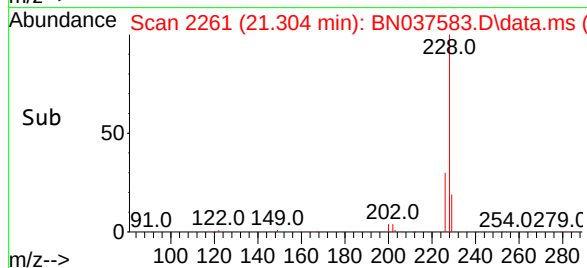
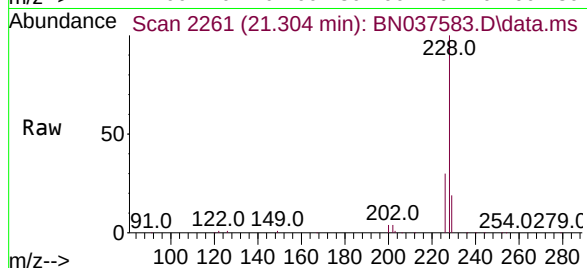
Tgt Ion:228 Resp: 60925

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

229 19.3 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.440 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

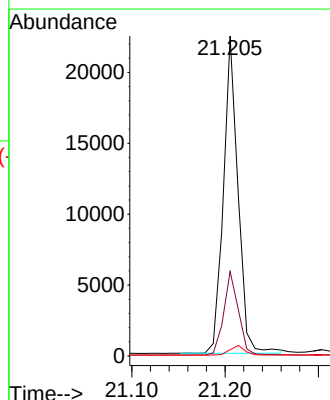
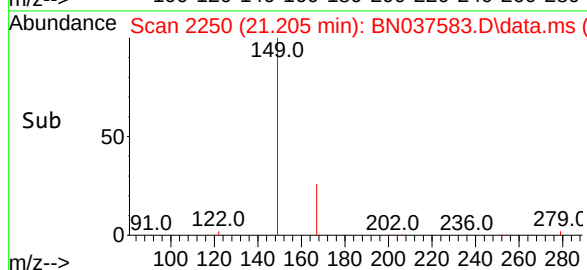
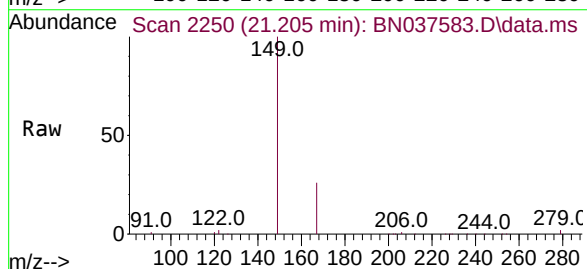
Tgt Ion:149 Resp: 24265

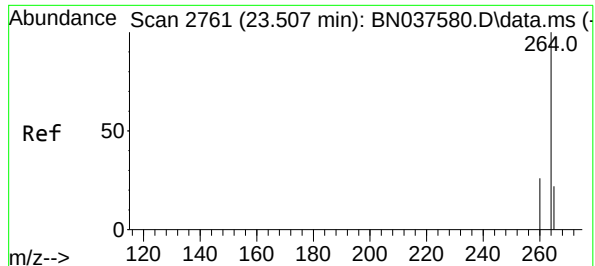
Ion Ratio Lower Upper

149 100

167 26.3 20.5 30.7

279 3.1 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.508 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

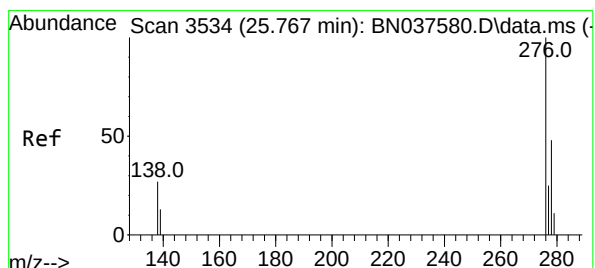
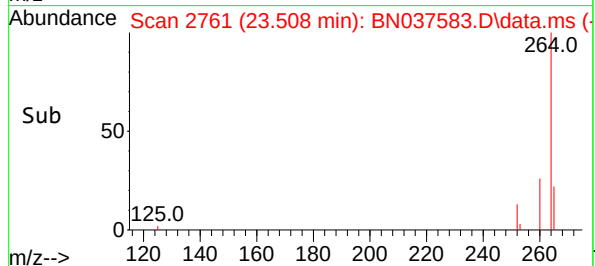
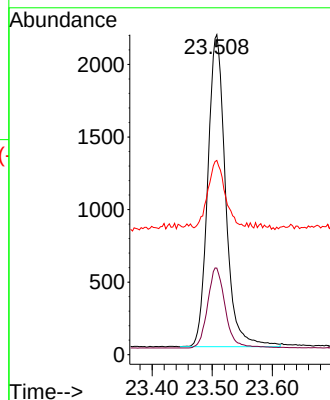
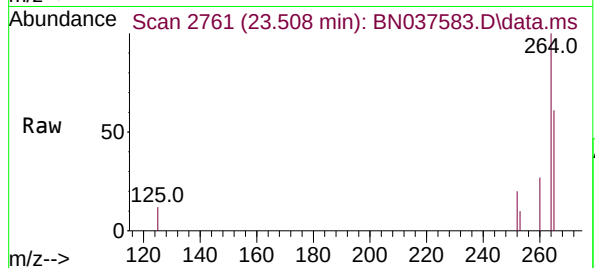
Tgt Ion:264 Resp: 4411

Ion Ratio Lower Upper

264 100

260 27.1 21.6 32.4

265 60.7 48.2 72.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.576 ng

RT: 25.768 min Scan# 3534

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

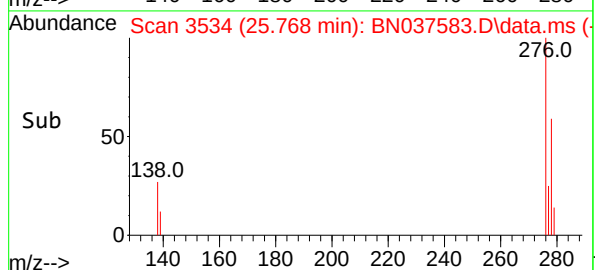
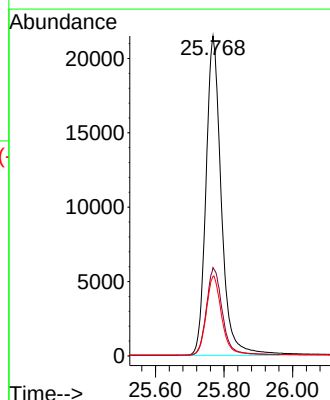
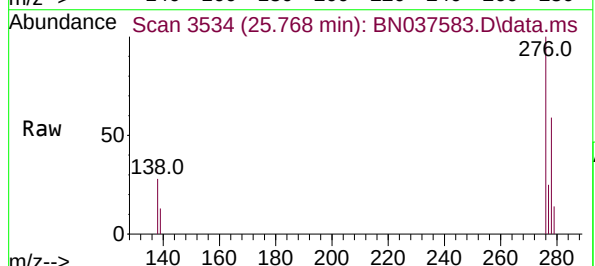
Tgt Ion:276 Resp: 66459

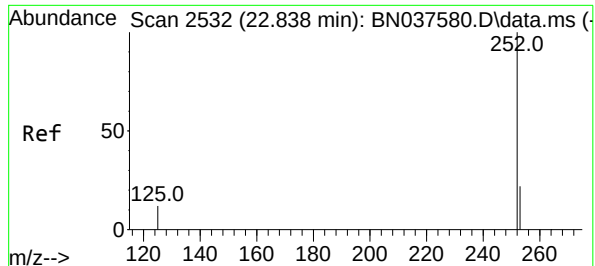
Ion Ratio Lower Upper

276 100

138 28.5 23.3 34.9

277 25.1 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 3.535 ng

RT: 22.835 min Scan# 2531

Delta R.T. -0.003 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

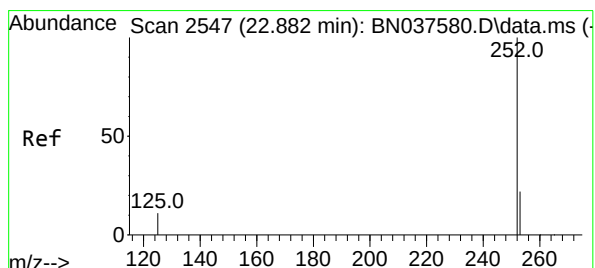
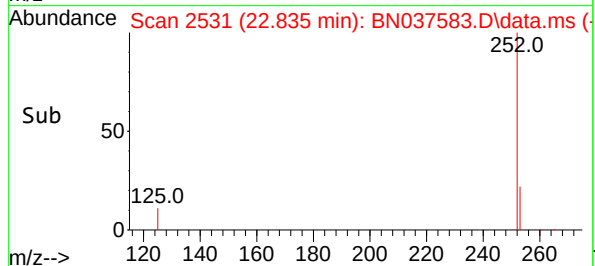
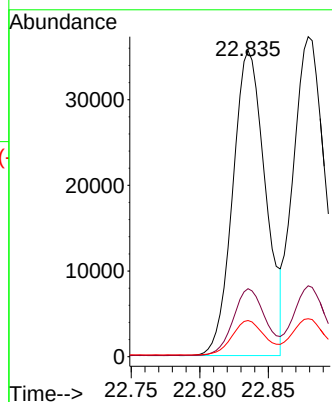
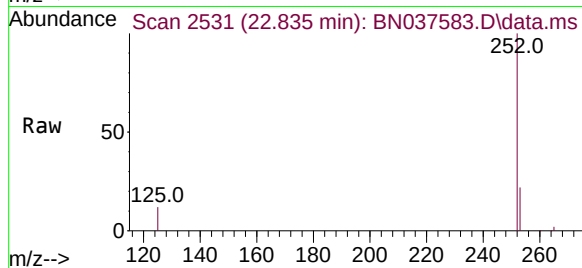
Tgt Ion:252 Resp: 59086

Ion Ratio Lower Upper

252 100

253 22.2 20.0 30.0

125 11.8 13.8 20.6#



#38

Benzo(k)fluoranthene

Concen: 3.363 ng

RT: 22.879 min Scan# 2546

Delta R.T. -0.003 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

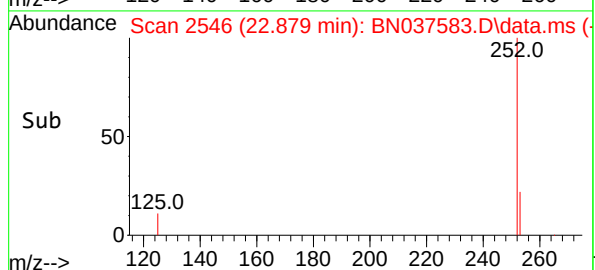
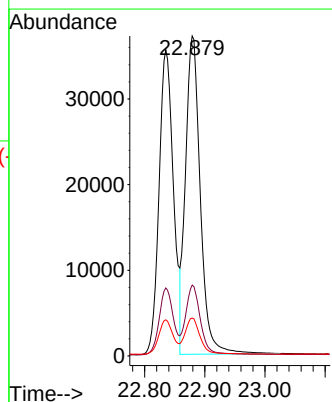
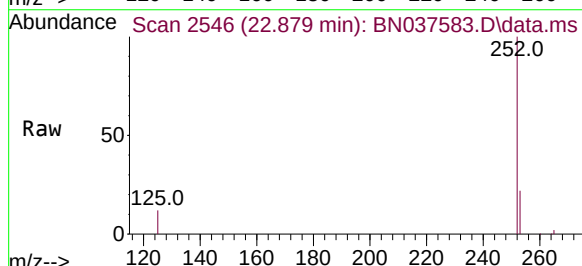
Tgt Ion:252 Resp: 63422

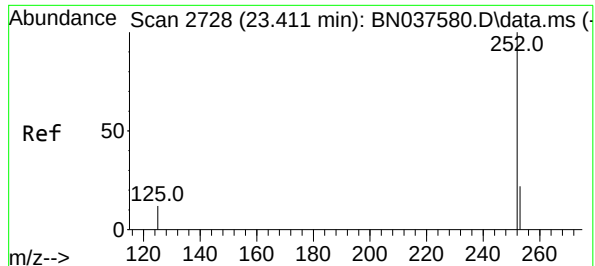
Ion Ratio Lower Upper

252 100

253 22.2 19.9 29.9

125 11.8 15.0 22.6#





#39

Benzo(a)pyrene

Concen: 3.518 ng

RT: 23.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

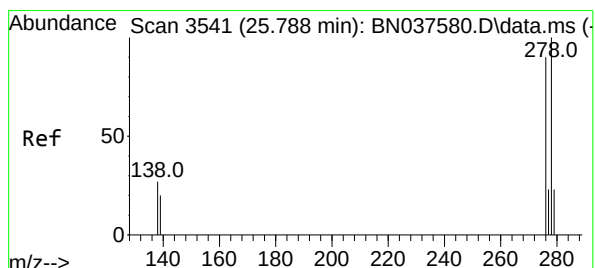
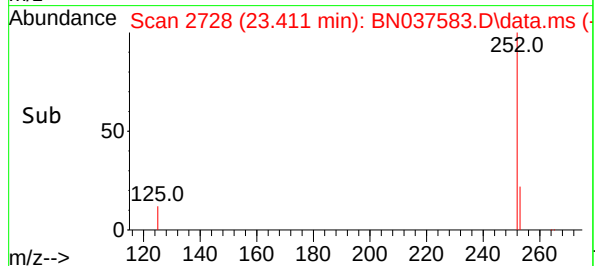
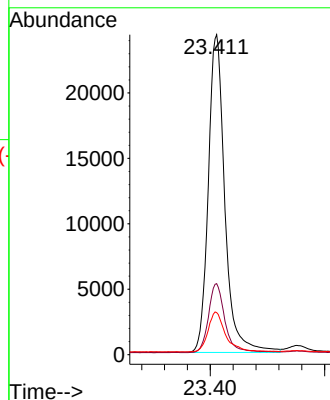
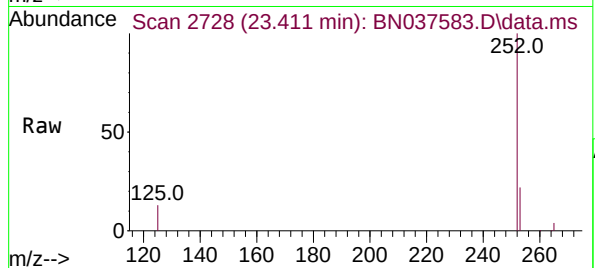
Tgt Ion:252 Resp: 48767

Ion Ratio Lower Upper

252 100

253 22.2 21.6 32.4

125 13.1 16.8 25.2#



#40

Dibenzo(a,h)anthracene

Concen: 3.709 ng

RT: 25.782 min Scan# 3539

Delta R.T. -0.006 min

Lab File: BN037583.D

Acq: 12 Aug 2025 19:29

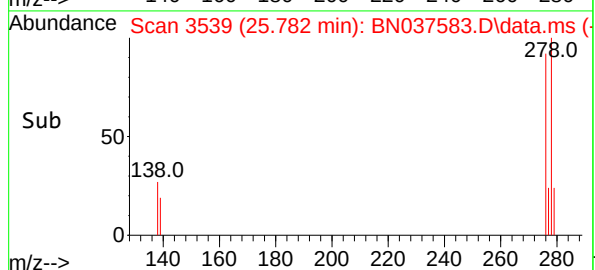
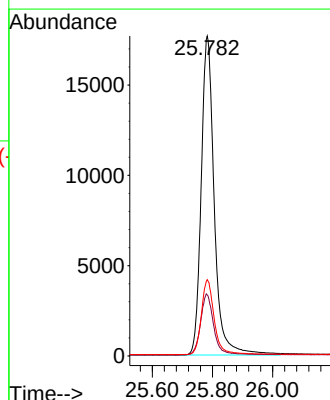
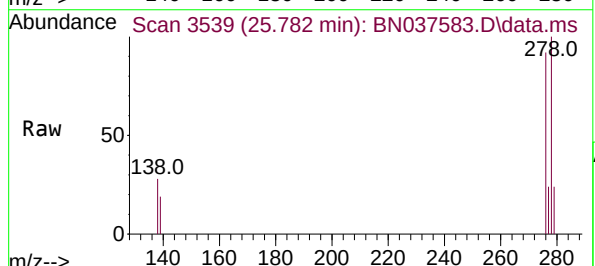
Tgt Ion:278 Resp: 53486

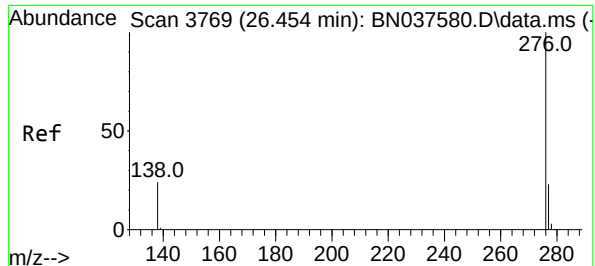
Ion Ratio Lower Upper

278 100

139 19.0 18.3 27.5

279 23.9 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 3.558 ng

RT: 26.455 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037583.D

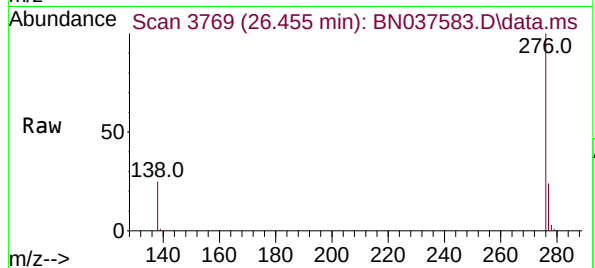
Acq: 12 Aug 2025 19:29

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



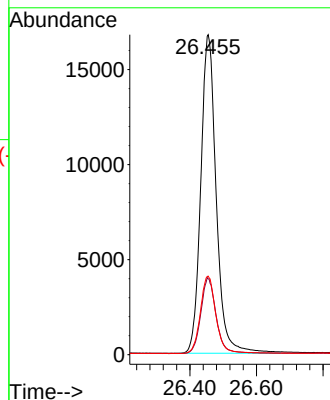
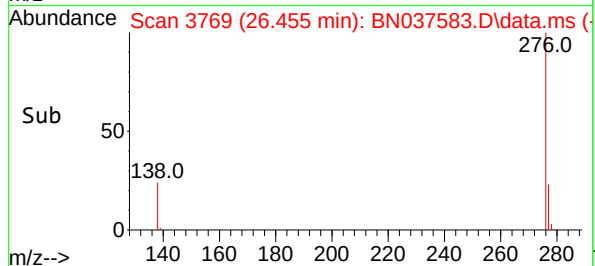
Tgt Ion:276 Resp: 54068

Ion Ratio Lower Upper

276 100

277 23.7 21.0 31.4

138 24.6 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037584.D
 Acq On : 12 Aug 2025 20:05
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Aug 13 04:50:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 04:46:02 2025
 Response via : Initial Calibration

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

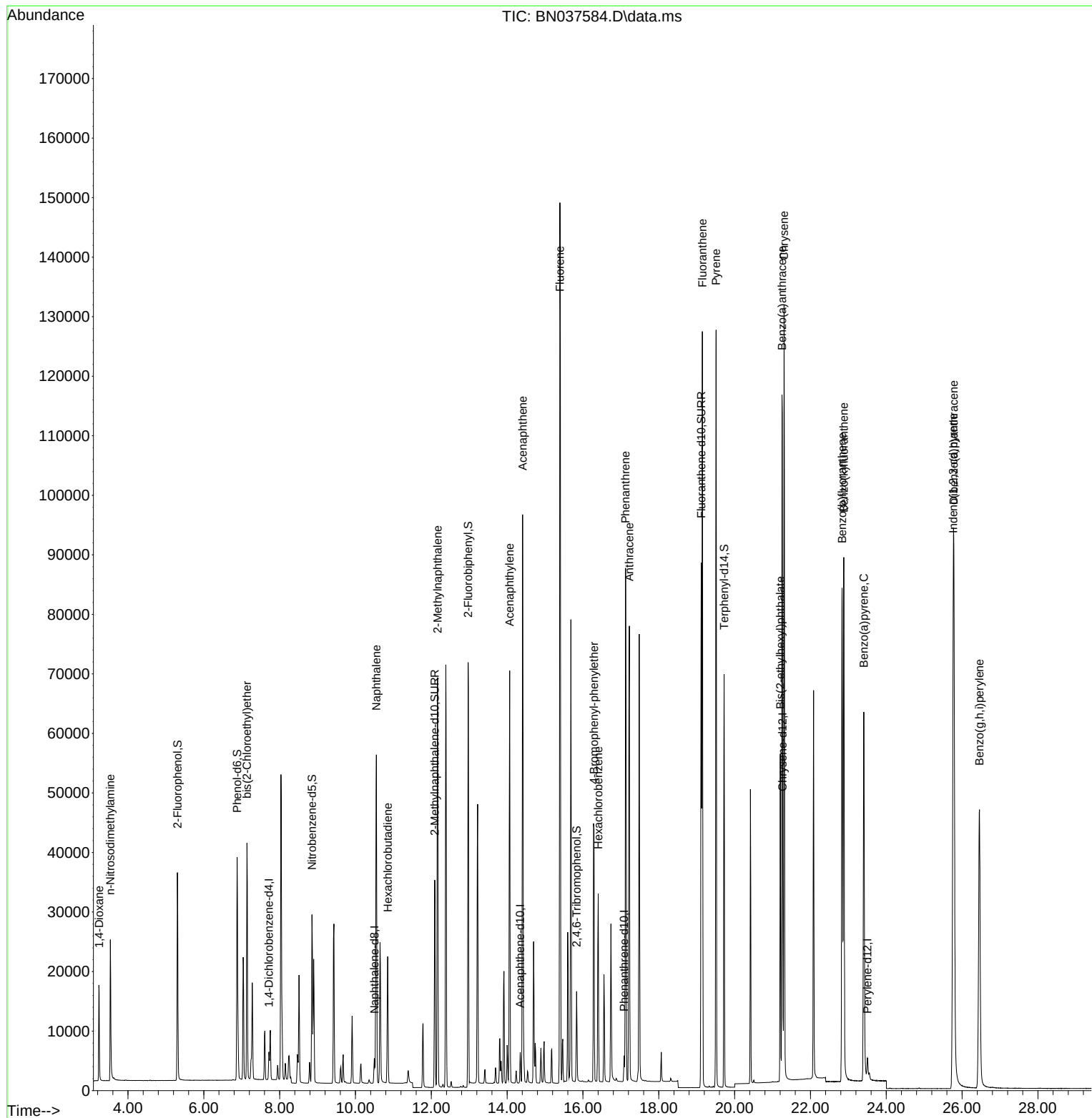
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2149	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5152	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2803	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5318	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5600	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	4653	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	26238	5.386	ng	0.00
5) Phenol-d6	6.879	99	32269	5.504	ng	0.00
8) Nitrobenzene-d5	8.854	82	20990	5.784	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	45385	6.480	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	8185	6.672	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	85489	5.273	ng	0.00
27) Fluoranthene-d10	19.118	212	94332	6.743	ng	0.00
31) Terphenyl-d14	19.722	244	63100	5.477	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	9359	4.552	ng	99
3) n-Nitrosodimethylamine	3.535	42	13640	5.192	ng	# 99
6) bis(2-Chloroethyl)ether	7.139	93	27456	5.197	ng	98
9) Naphthalene	10.551	128	72603	5.293	ng	97
10) Hexachlorobutadiene	10.850	225	17071	5.094	ng	# 100
12) 2-Methylnaphthalene	12.167	142	48917	5.686	ng	98
16) Acenaphthylene	14.067	152	69369	5.521	ng	99
17) Acenaphthene	14.409	154	47237	5.527	ng	92
18) Fluorene	15.392	166	62012	5.546	ng	99
21) 4-Bromophenyl-phenylether	16.292	248	19417	5.809	ng	# 91
22) Hexachlorobenzene	16.404	284	24588	5.190	ng	100
25) Phenanthrene	17.124	178	89516	5.537	ng	100
26) Anthracene	17.223	178	85474	5.972	ng	100
28) Fluoranthene	19.150	202	109583	5.900	ng	100
30) Pyrene	19.513	202	108658	5.190	ng	100
32) Benzo(a)anthracene	21.250	228	104084	5.564	ng	98
33) Chrysene	21.304	228	108554	5.207	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	46994	6.087	ng	98
36) Indeno(1,2,3-cd)pyrene	25.768	276	116962	5.965	ng	99
37) Benzo(b)fluoranthene	22.835	252	106138	6.019	ng	# 91
38) Benzo(k)fluoranthene	22.879	252	110373	5.548	ng	# 90
39) Benzo(a)pyrene	23.408	252	87699	5.997	ng	# 87
40) Dibenzo(a,h)anthracene	25.782	278	94267	6.197	ng	92
41) Benzo(g,h,i)perylene	26.458	276	95537	5.960	ng	95

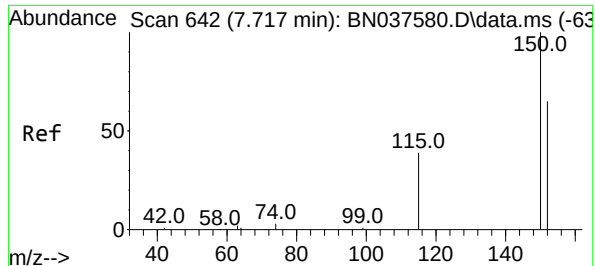
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037584.D
Acq On : 12 Aug 2025 20:05
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Aug 13 04:50:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 04:46:02 2025
Response via : Initial Calibration

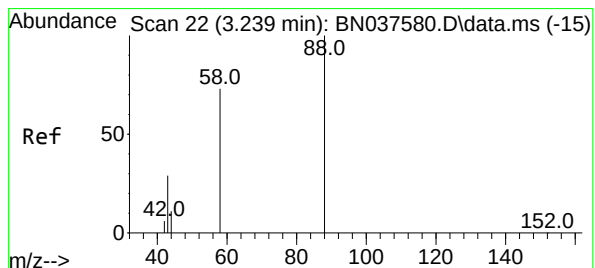
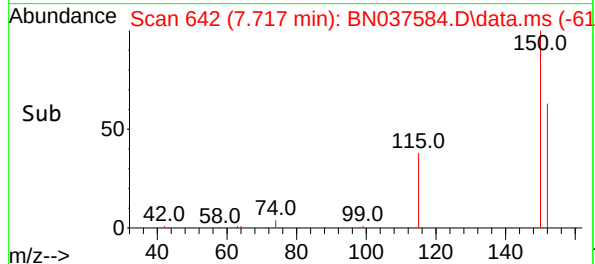
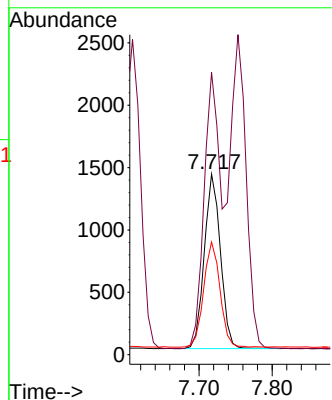
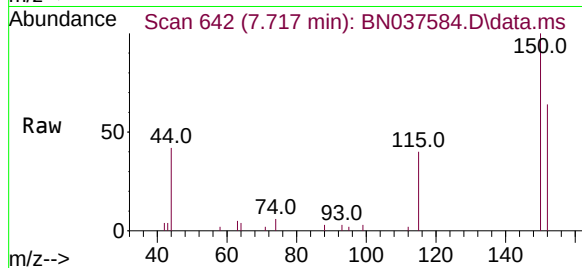




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

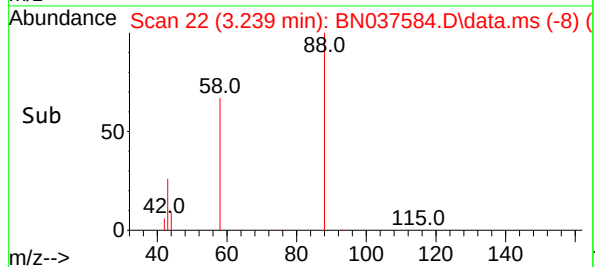
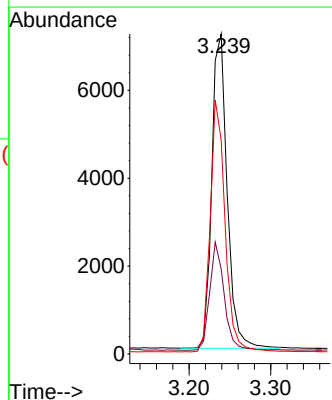
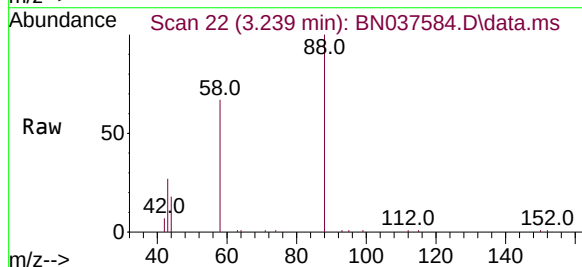
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

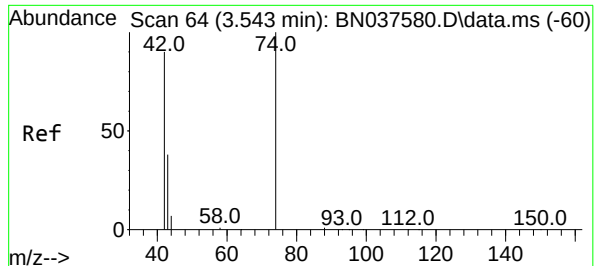
Tgt Ion:152 Resp: 2149
Ion Ratio Lower Upper
152 100
150 156.4 122.2 183.4
115 62.4 49.8 74.6



#2
1,4-Dioxane
Concen: 4.552 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion: 88 Resp: 9359
Ion Ratio Lower Upper
88 100
43 32.5 25.8 38.6
58 77.5 61.2 91.8

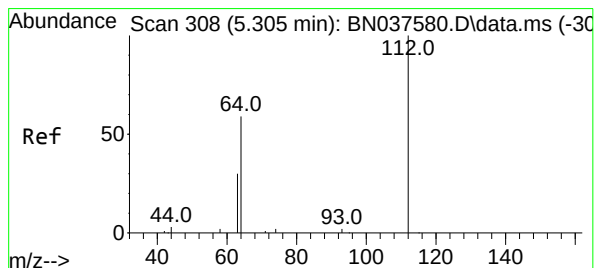
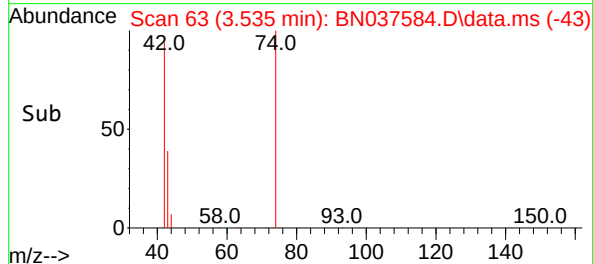
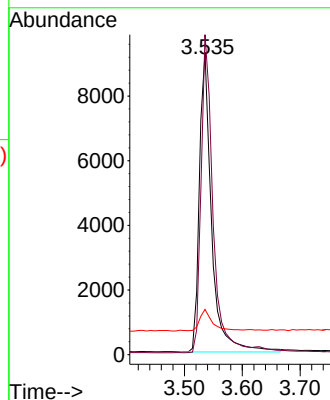
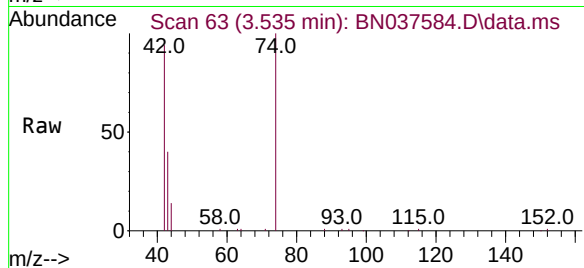




#3
n-Nitrosodimethylamine
Concen: 5.192 ng
RT: 3.535 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

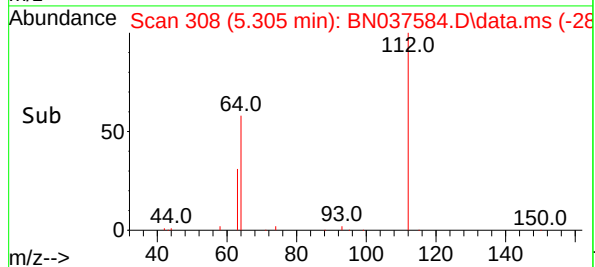
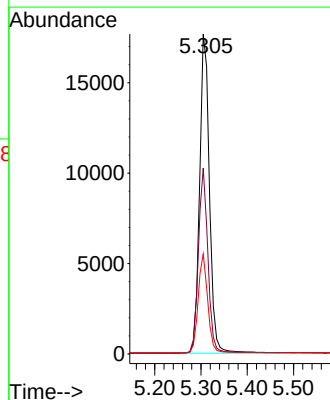
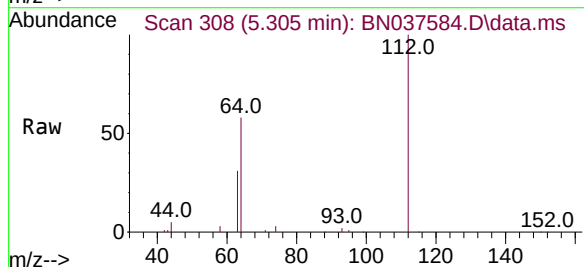
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

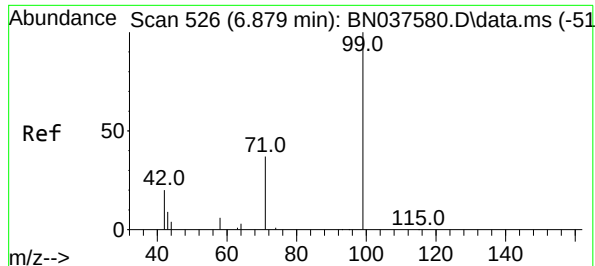
Tgt Ion: 42 Resp: 13640
Ion Ratio Lower Upper
42 100
74 102.7 82.0 123.0
44 7.6 7.9 11.9#



#4
2-Fluorophenol
Concen: 5.386 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion: 112 Resp: 26238
Ion Ratio Lower Upper
112 100
64 56.5 44.9 67.3
63 30.1 23.4 35.2

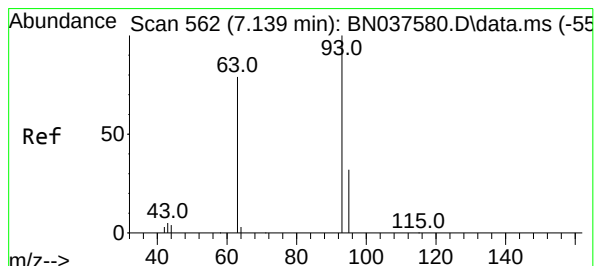
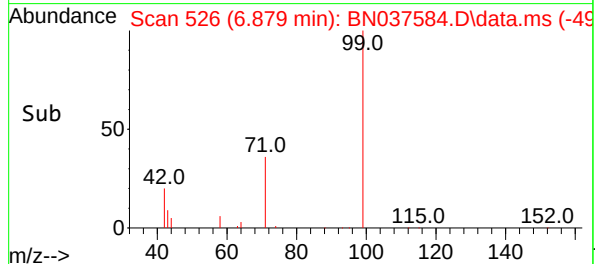
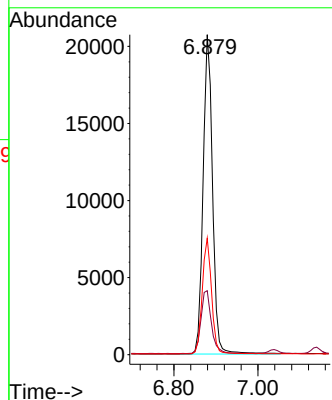
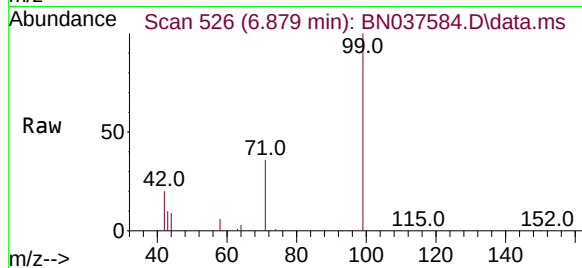




#5
Phenol-d6
Concen: 5.504 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

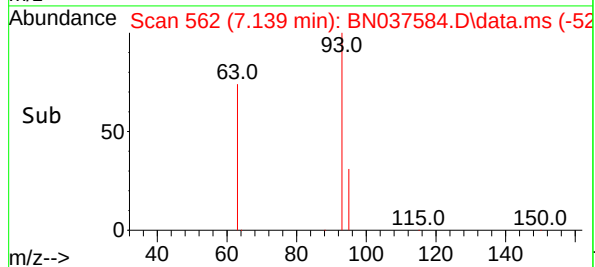
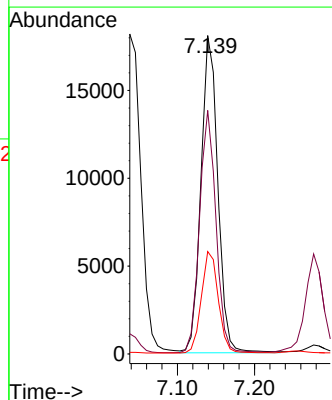
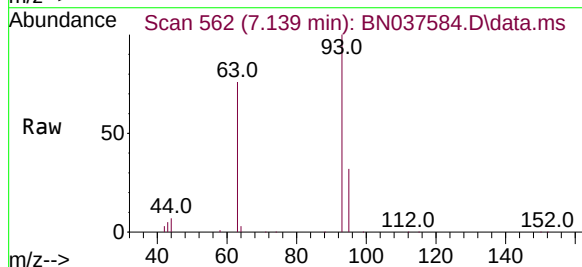
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

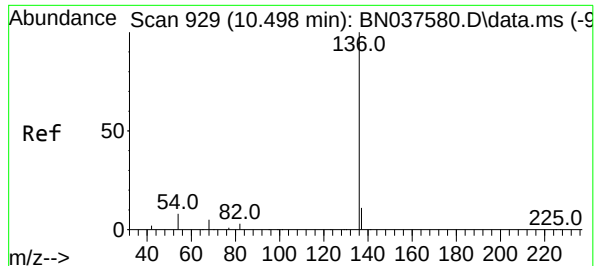
Tgt Ion: 99 Resp: 32269
Ion Ratio Lower Upper
99 100
42 21.8 18.5 27.7
71 35.9 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 5.197 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion: 93 Resp: 27456
Ion Ratio Lower Upper
93 100
63 74.3 58.0 87.0
95 32.1 24.9 37.3

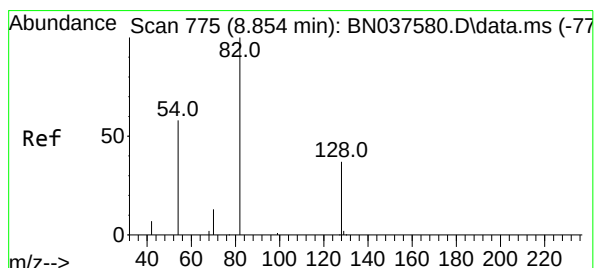
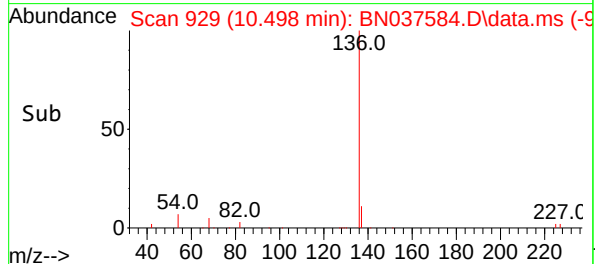
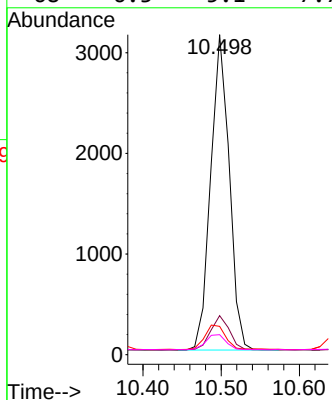
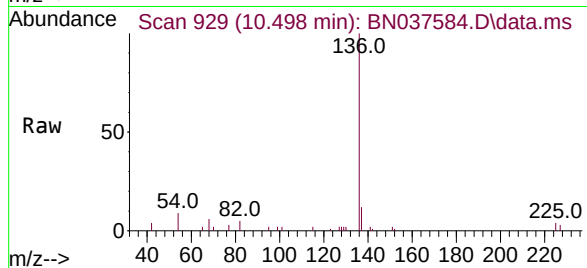




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

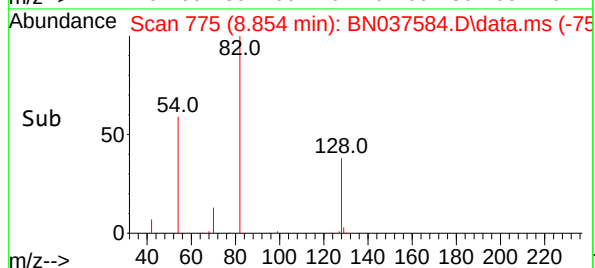
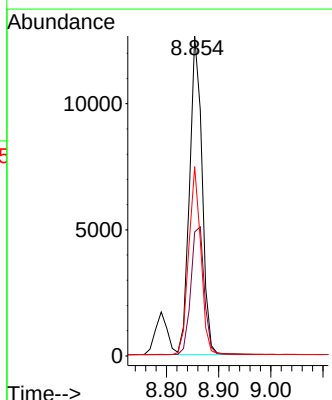
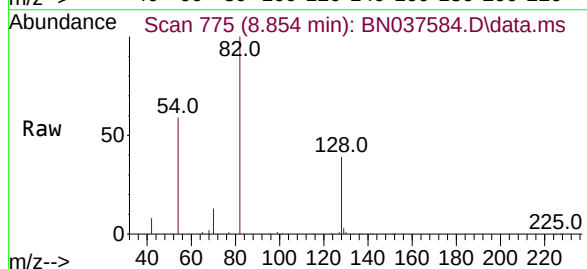
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

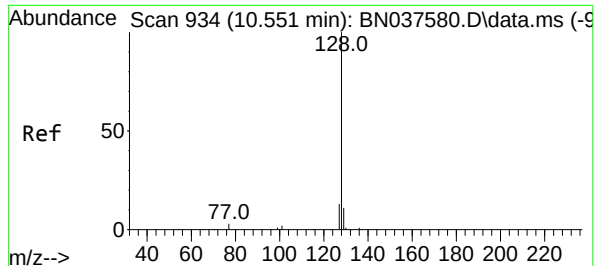
Tgt Ion:	136	Resp:	5152
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.9	7.3	10.9
68	6.3	5.1	7.7



#8
Nitrobenzene-d5
Concen: 5.784 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:	82	Resp:	20990
Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.6	48.8
54	59.1	48.9	73.3

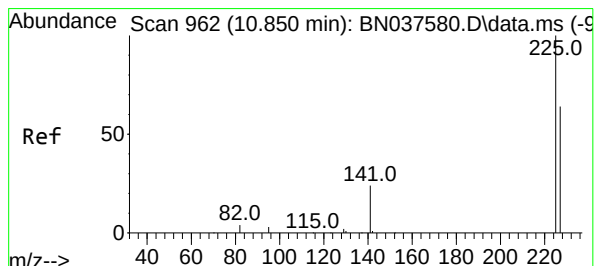
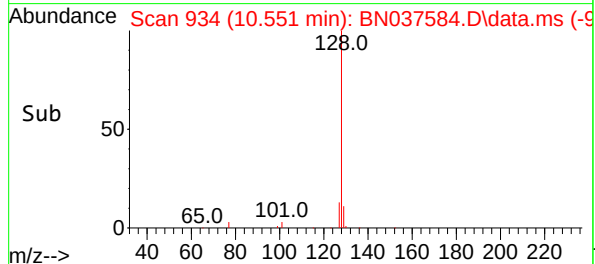
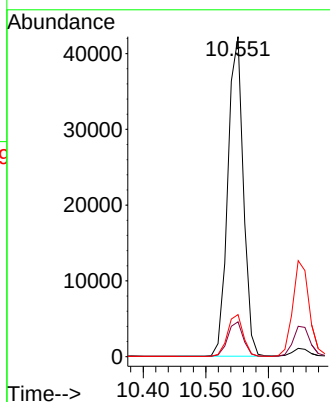
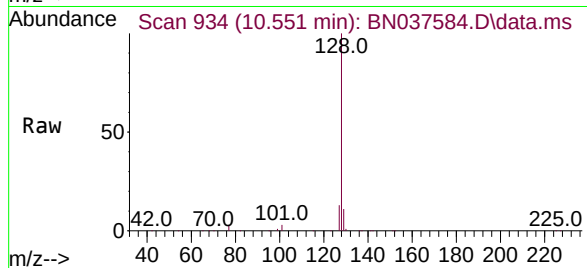




#9
Naphthalene
Concen: 5.293 ng
RT: 10.551 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

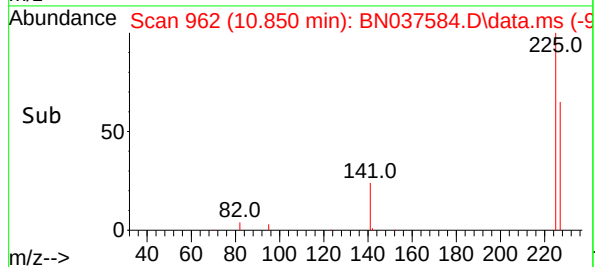
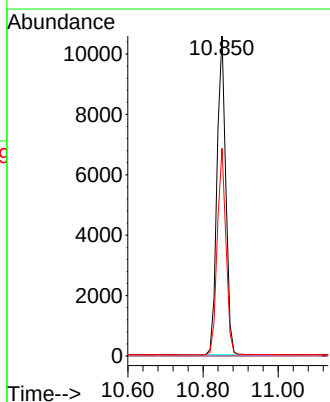
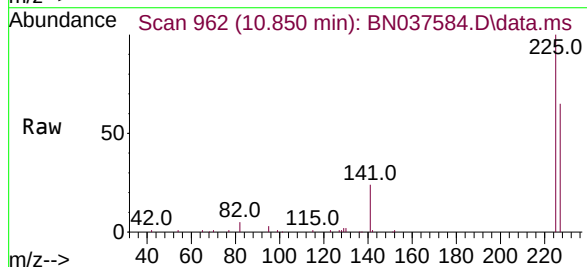
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

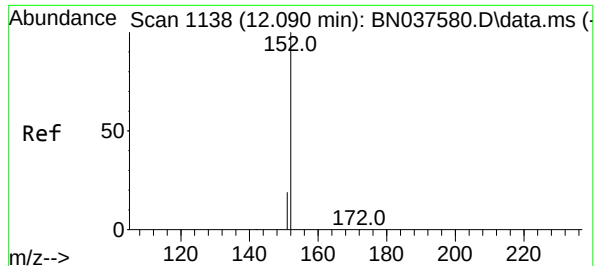
Tgt Ion:128 Resp: 72603
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 13.1 11.5 17.3



#10
Hexachlorobutadiene
Concen: 5.094 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:225 Resp: 17071
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.8 76.2

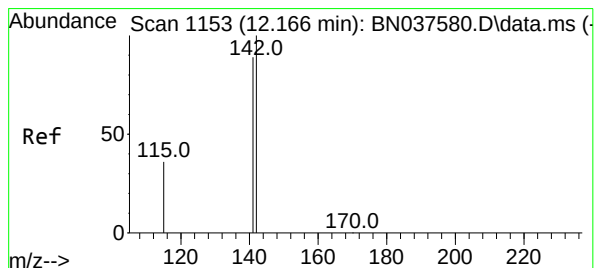
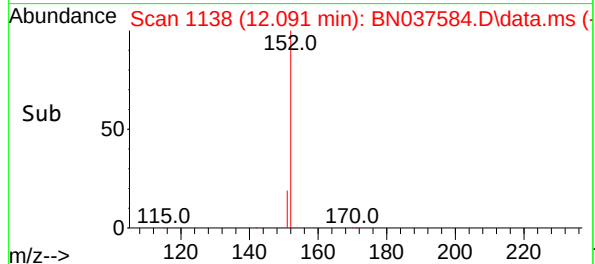
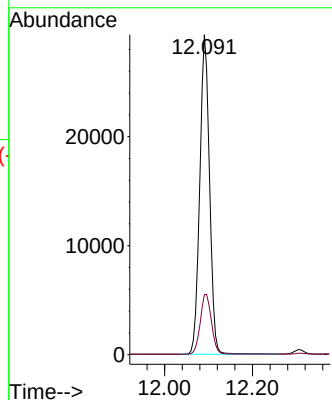
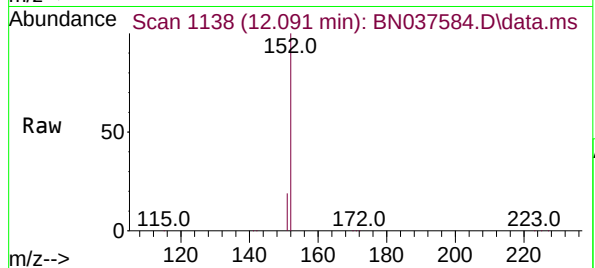




#11
2-Methylnaphthalene-d10
Concen: 6.480 ng
RT: 12.091 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

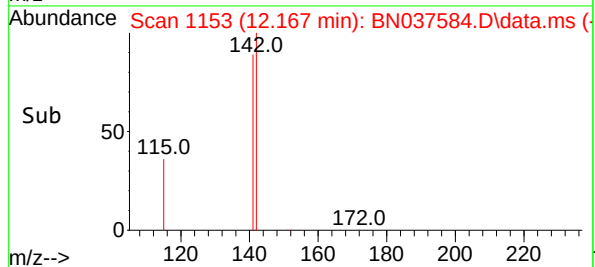
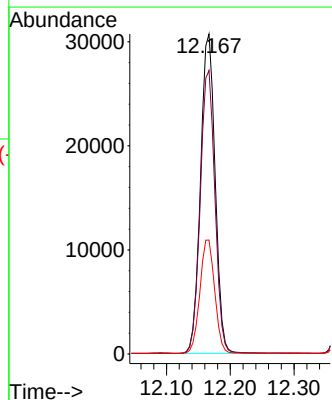
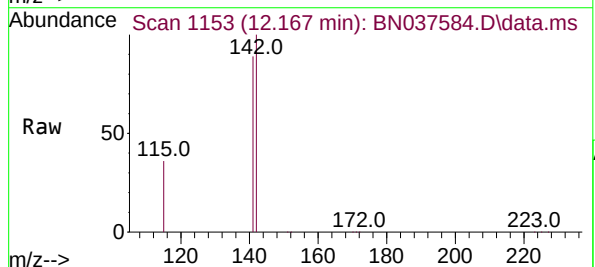
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

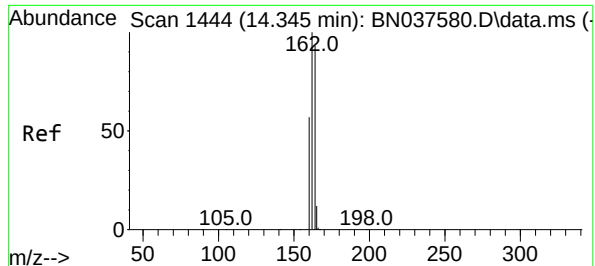
Tgt Ion:152 Resp: 45385
Ion Ratio Lower Upper
152 100
151 21.4 17.3 25.9



#12
2-Methylnaphthalene
Concen: 5.686 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:142 Resp: 48917
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0
115 35.6 30.2 45.4

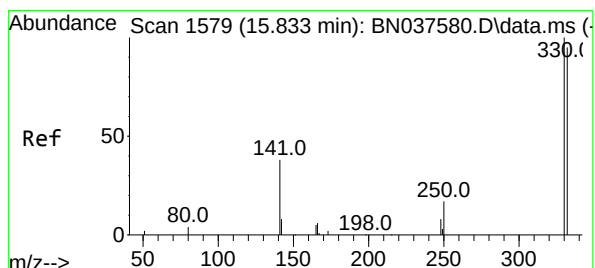
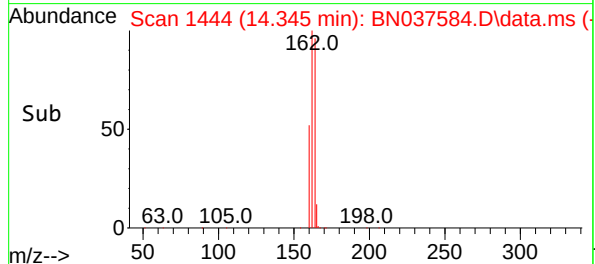
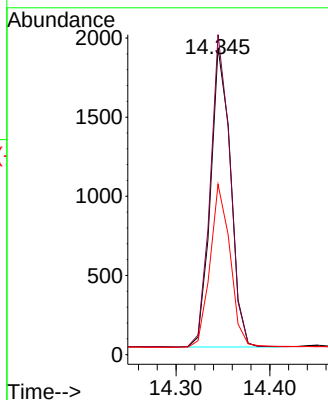
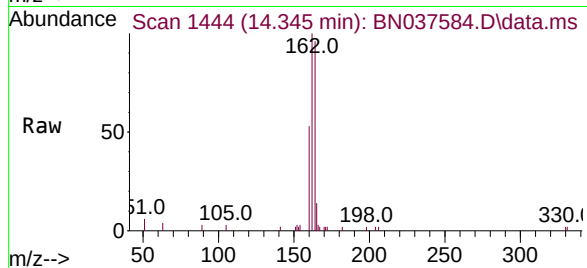




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

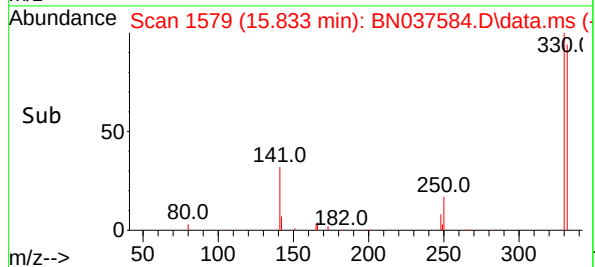
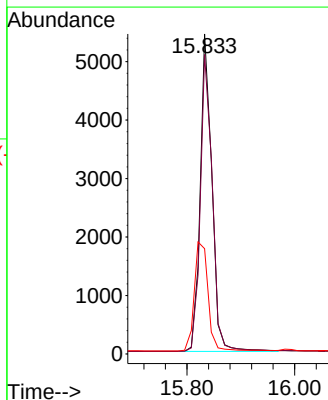
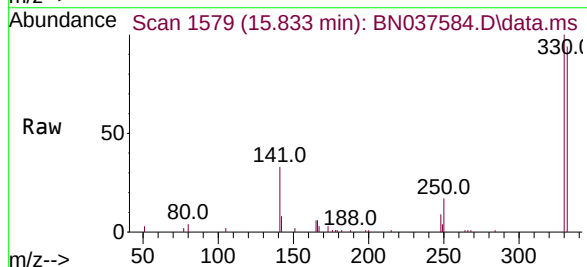
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

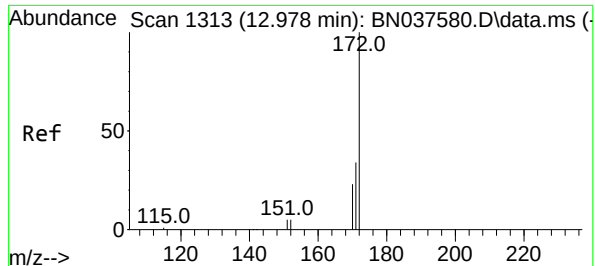
Tgt Ion:164 Resp: 2803
Ion Ratio Lower Upper
164 100
162 104.2 85.5 128.3
160 55.5 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 6.672 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:330 Resp: 8185
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 40.7 30.9 46.3





#15

2-Fluorobiphenyl

Concen: 5.273 ng

RT: 12.973 min Scan# 1312

Delta R.T. -0.005 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

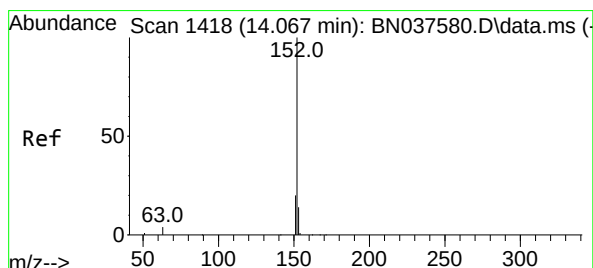
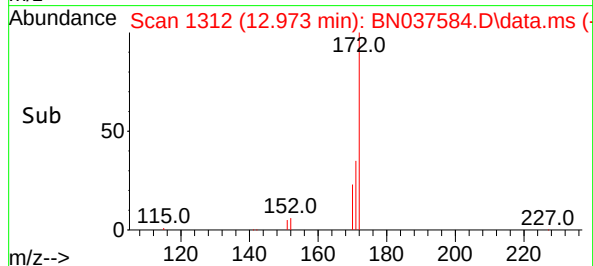
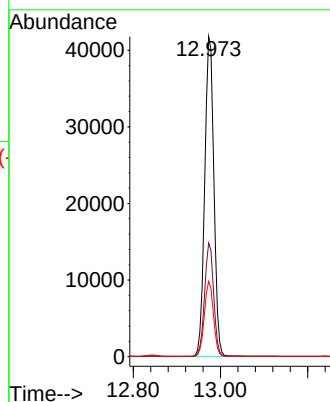
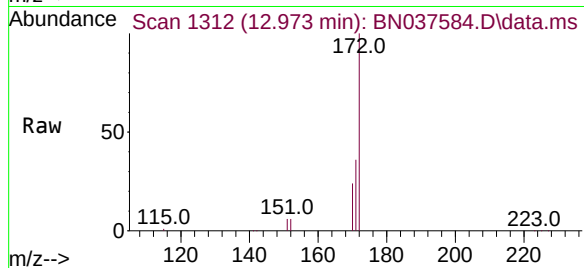
Tgt Ion:172 Resp: 85489

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.6 19.2 28.8



#16

Acenaphthylene

Concen: 5.521 ng

RT: 14.067 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

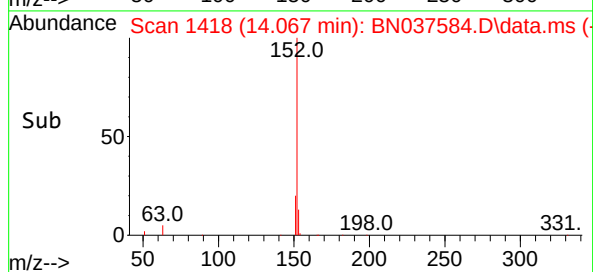
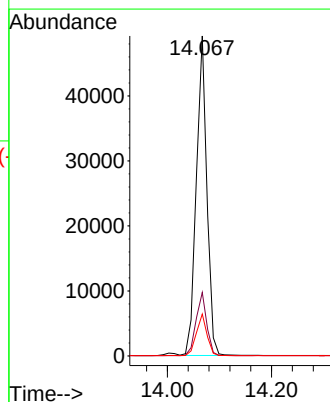
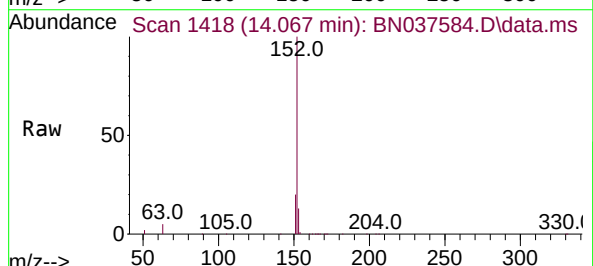
Tgt Ion:152 Resp: 69369

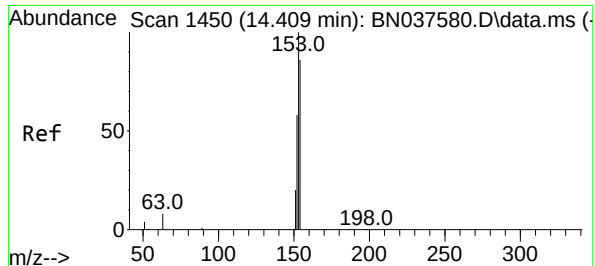
Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 12.9 10.7 16.1

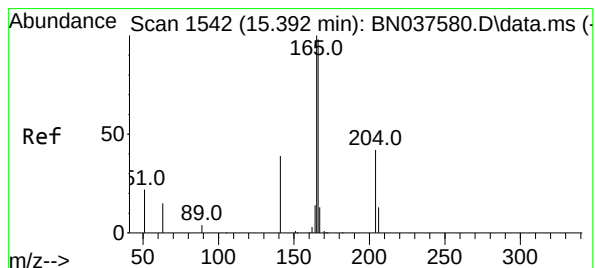
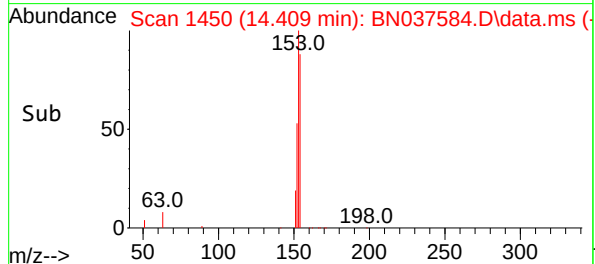
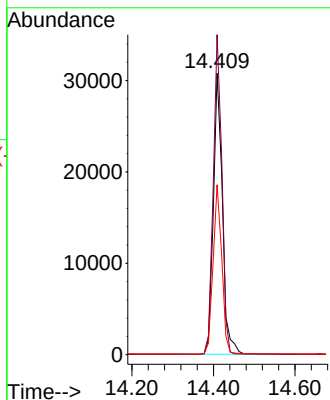
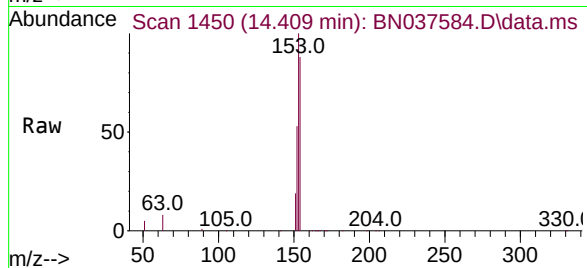




#17
Acenaphthene
Concen: 5.527 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

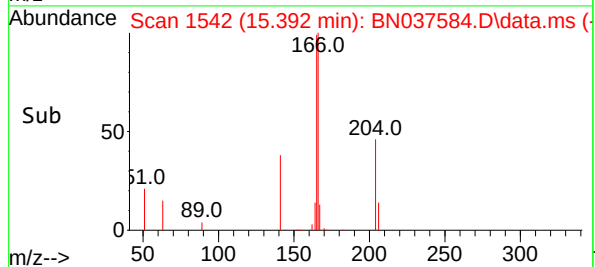
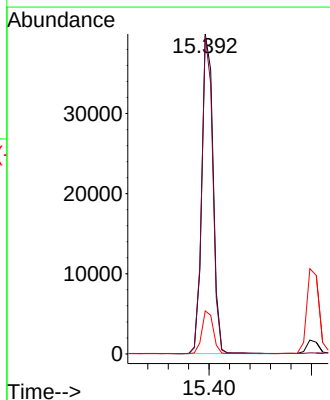
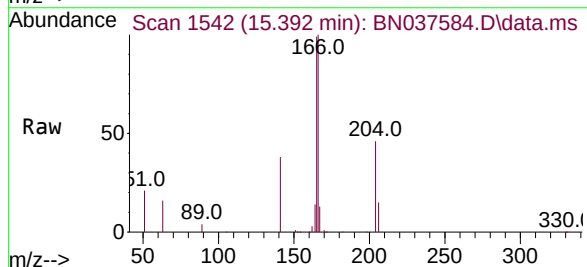
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

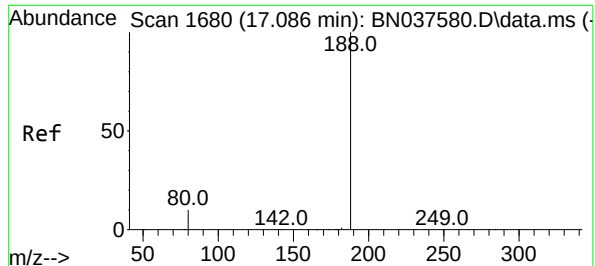
Tgt Ion:154 Resp: 47237
Ion Ratio Lower Upper
154 100
153 108.5 90.6 135.8
152 58.2 54.9 82.3



#18
Fluorene
Concen: 5.546 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:166 Resp: 62012
Ion Ratio Lower Upper
166 100
165 97.8 78.9 118.3
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

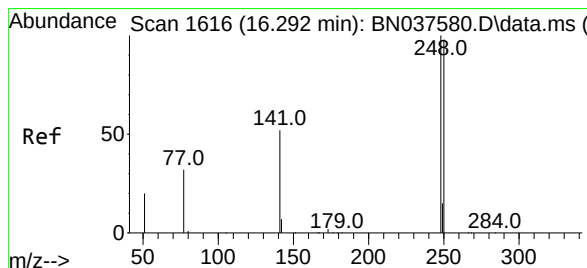
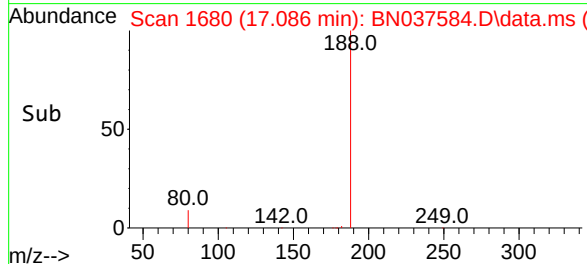
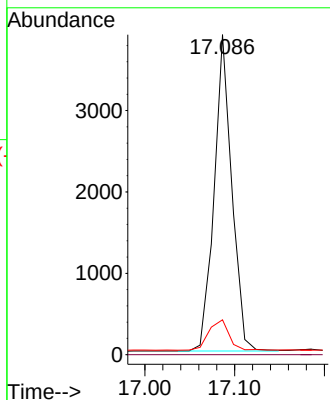
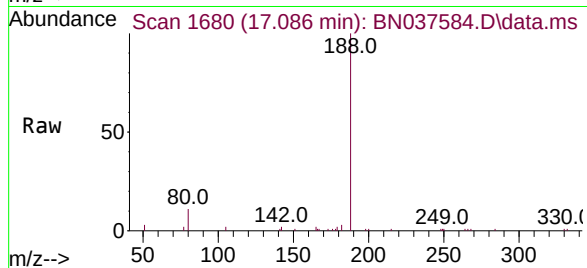
Tgt Ion:188 Resp: 5318

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 9.1 13.7



#21

4-Bromophenyl-phenylether

Concen: 5.809 ng

RT: 16.292 min Scan# 1616

Delta R.T. 0.000 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

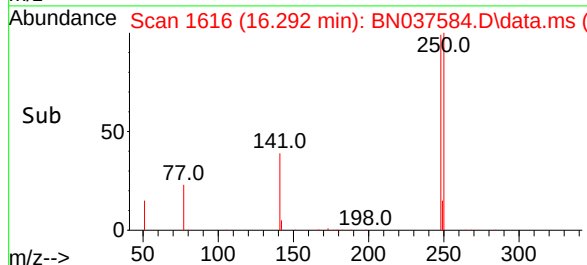
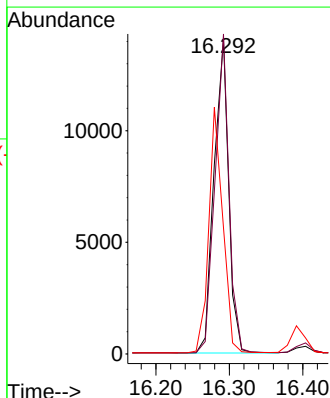
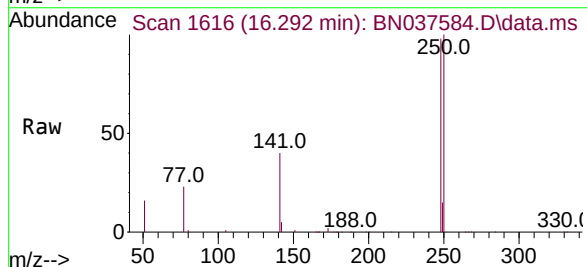
Tgt Ion:248 Resp: 19417

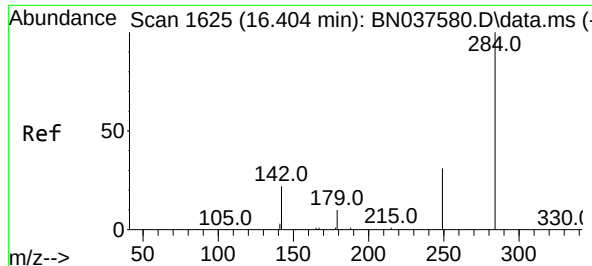
Ion Ratio Lower Upper

248 100

250 101.5 78.6 118.0

141 40.1 43.7 65.5#

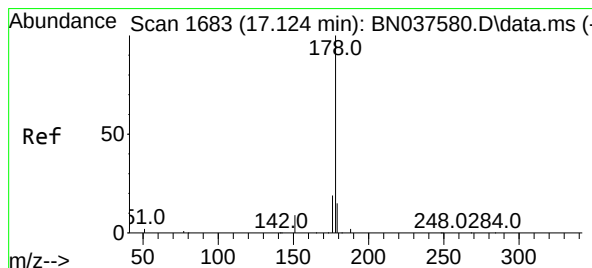
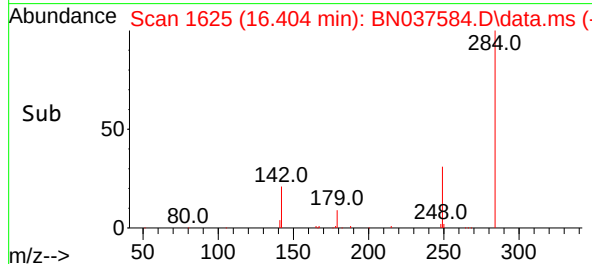
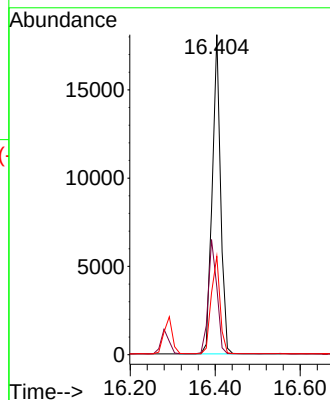
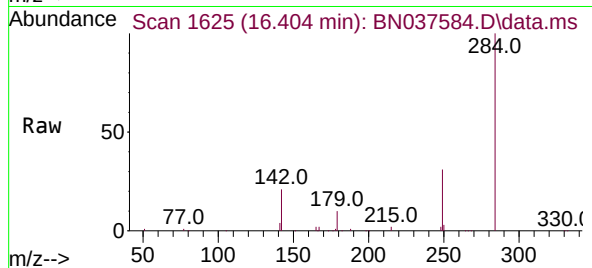




#22
Hexachlorobenzene
Concen: 5.190 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

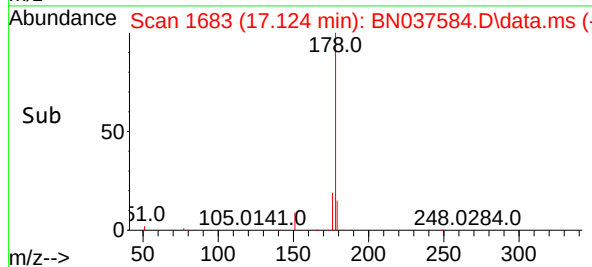
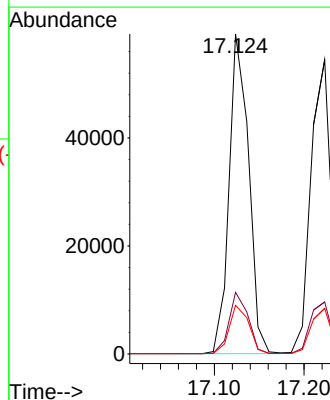
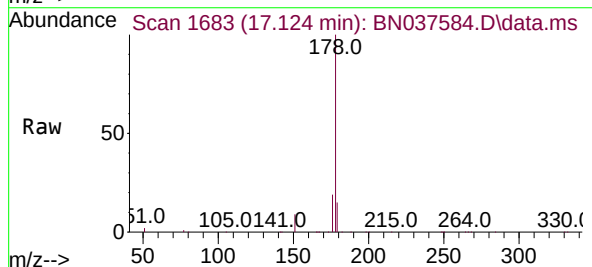
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

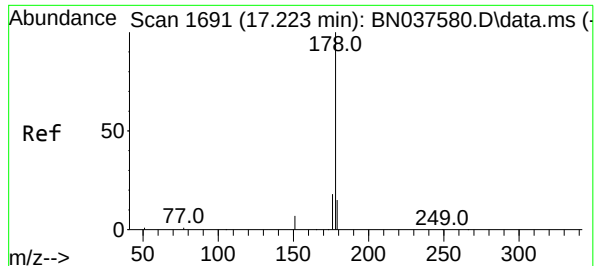
Tgt Ion:	284	Resp:	24588
Ion Ratio	Lower	Upper	
284	100		
142	37.2	29.8	44.6
249	32.3	26.0	39.0



#25
Phenanthrene
Concen: 5.537 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:	178	Resp:	89516
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.0	22.6
179	15.3	12.3	18.5

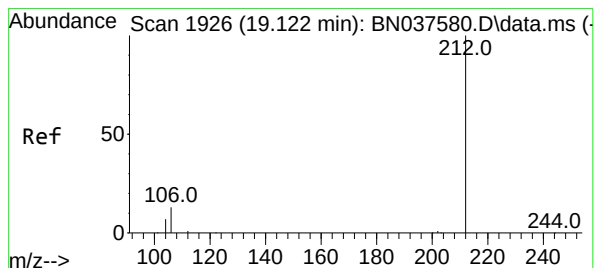
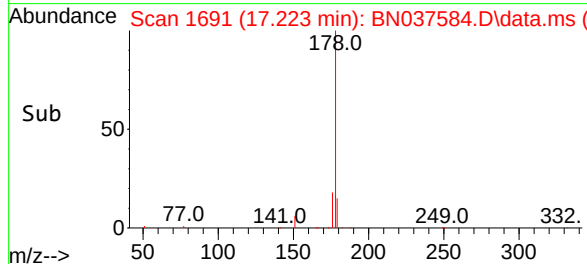
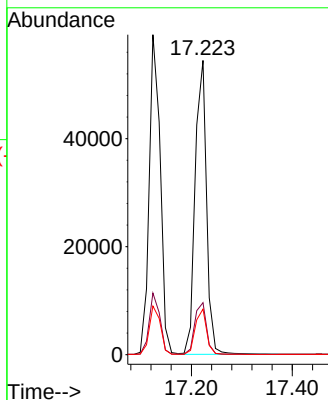
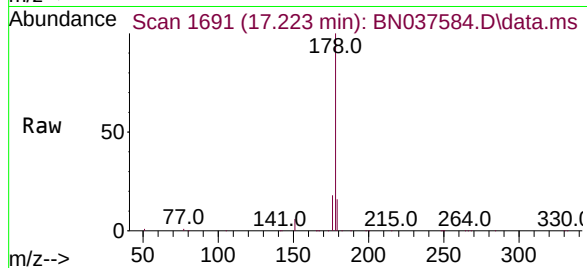




#26
Anthracene
Concen: 5.972 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

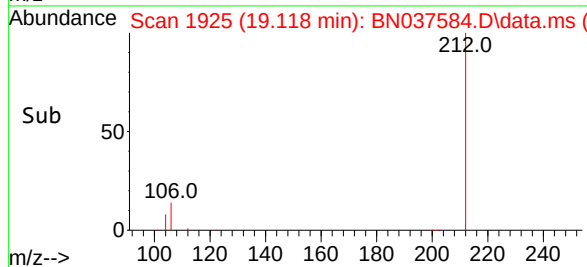
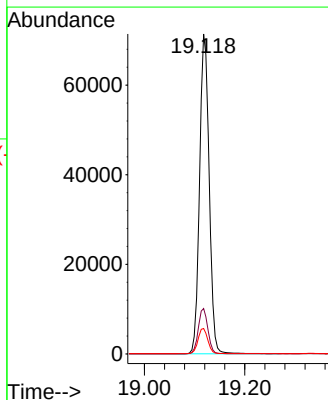
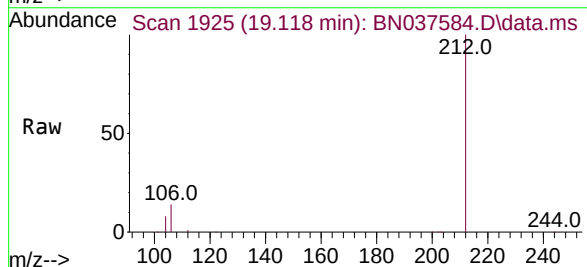
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

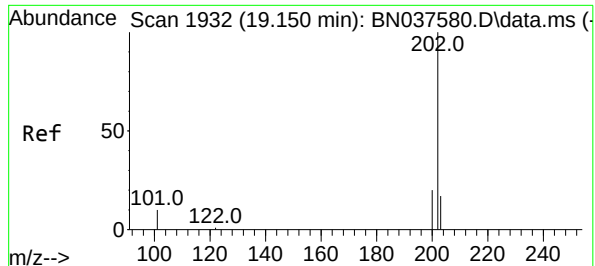
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.4	12.3	18.5



#27
Fluoranthene-d10
Concen: 6.743 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.5	17.3
104	8.0	6.6	9.8

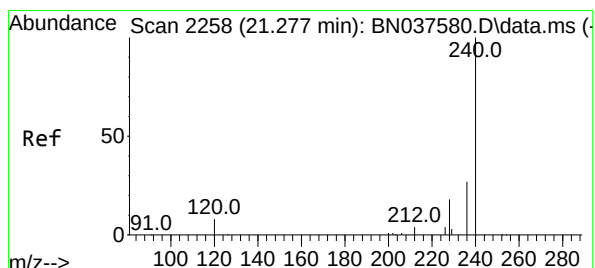
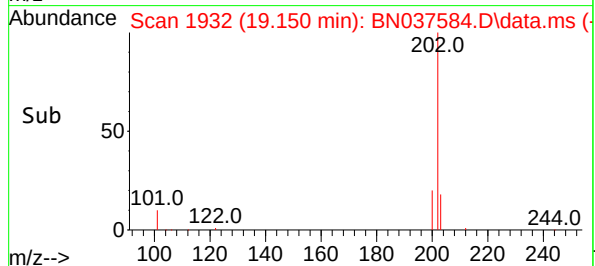
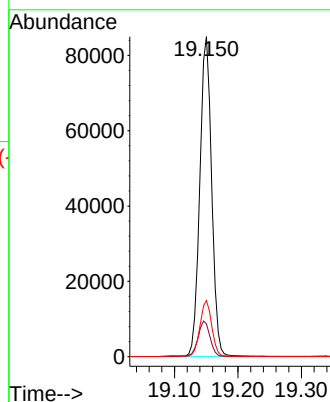
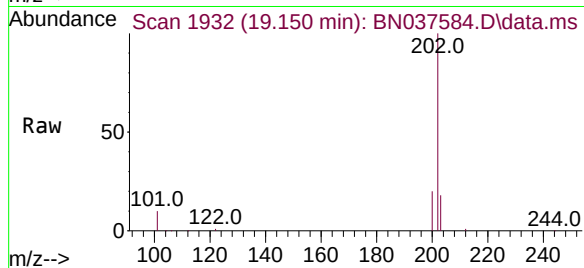




#28
Fluoranthene
Concen: 5.900 ng
RT: 19.150 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

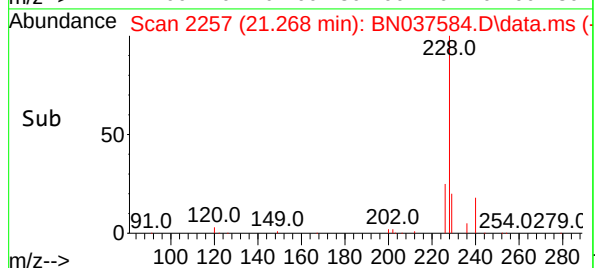
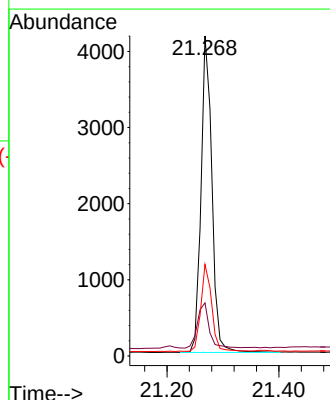
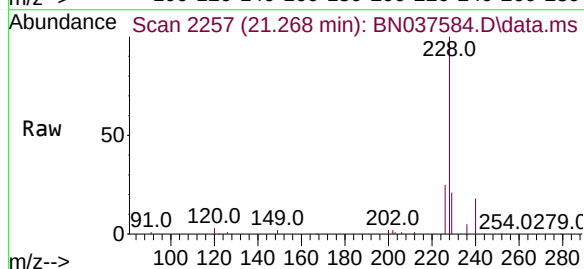
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

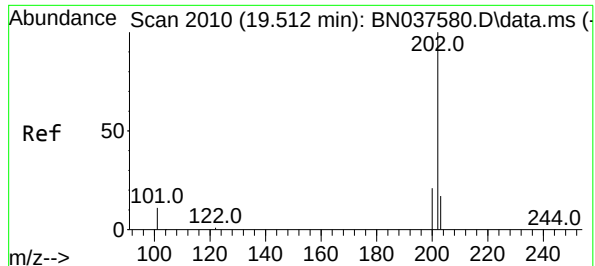
Tgt Ion:202 Resp: 109583
Ion Ratio Lower Upper
202 100
101 11.4 9.0 13.6
203 17.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:240 Resp: 5600
Ion Ratio Lower Upper
240 100
120 16.6 8.9 13.3#
236 28.6 22.6 33.8

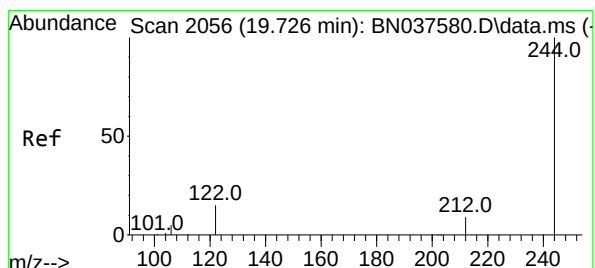
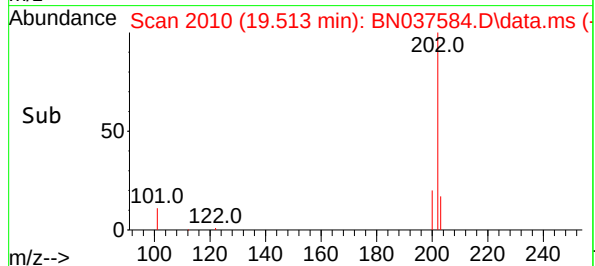
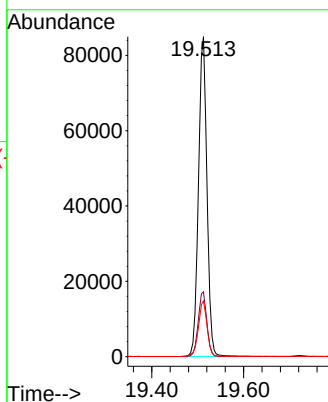
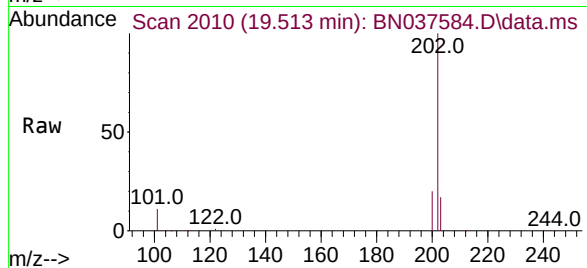




#30
Pyrene
Concen: 5.190 ng
RT: 19.513 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

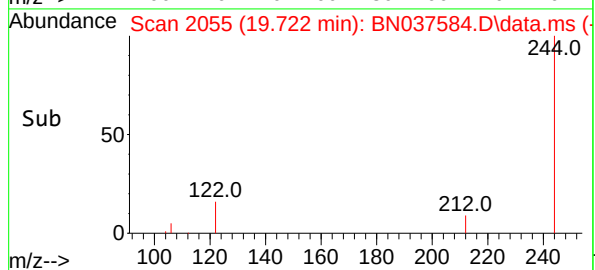
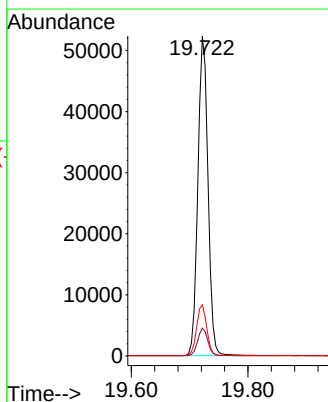
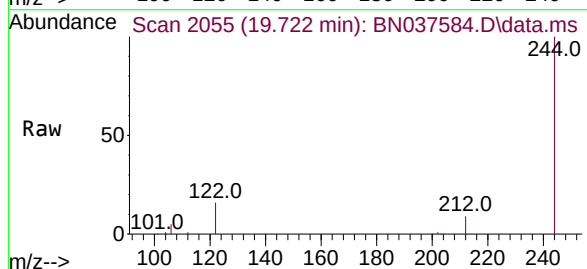
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

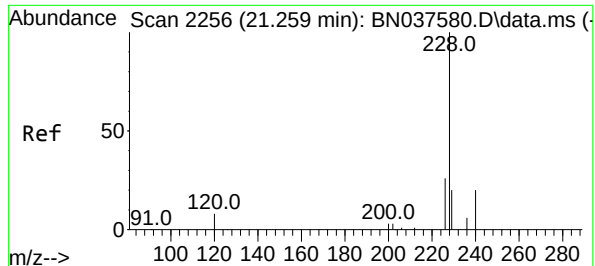
Tgt Ion:202 Resp: 108658
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 17.8 14.3 21.5



#31
Terphenyl-d14
Concen: 5.477 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:244 Resp: 63100
Ion Ratio Lower Upper
244 100
212 8.7 8.2 12.2
122 16.0 13.2 19.8

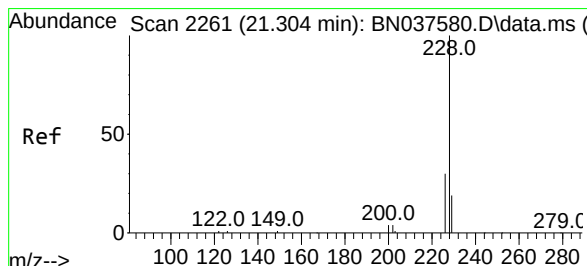
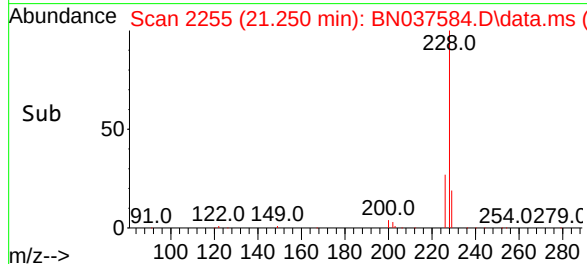
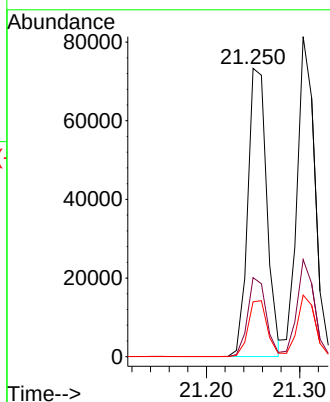
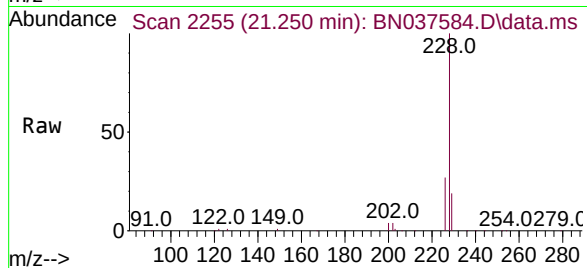




#32
Benzo(a)anthracene
Concen: 5.564 ng
RT: 21.250 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

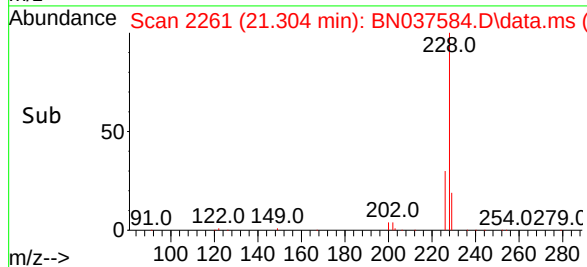
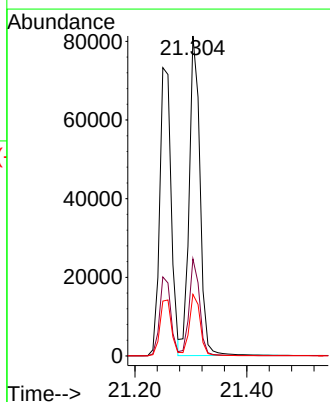
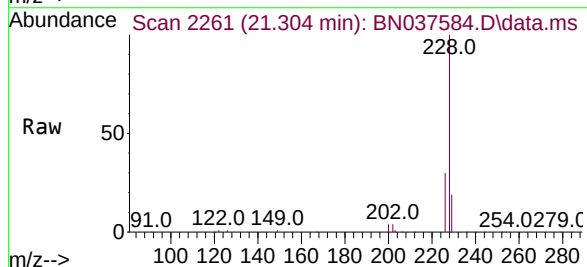
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

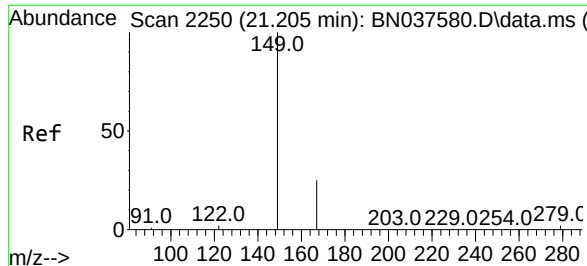
Tgt Ion:228 Resp: 104084
Ion Ratio Lower Upper
228 100
226 27.4 21.5 32.3
229 19.0 16.5 24.7



#33
Chrysene
Concen: 5.207 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:228 Resp: 108554
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 19.2 15.8 23.8

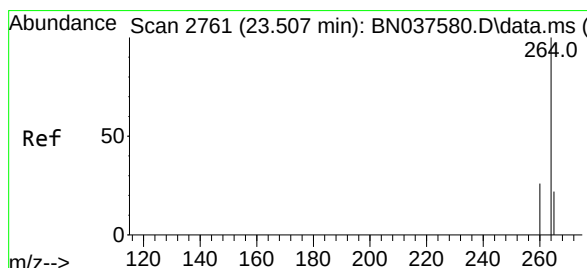
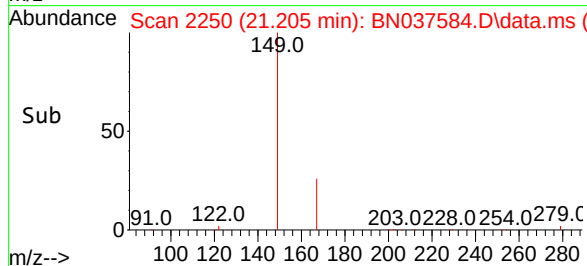
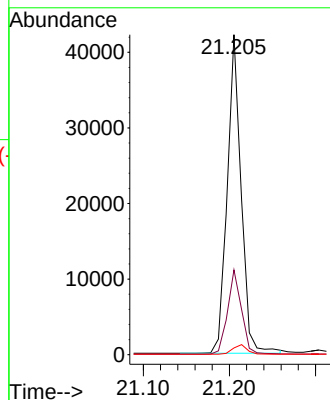
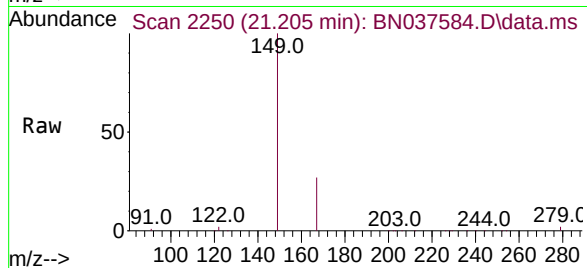




#34
Bis(2-ethylhexyl)phthalate
Concen: 6.087 ng
RT: 21.205 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

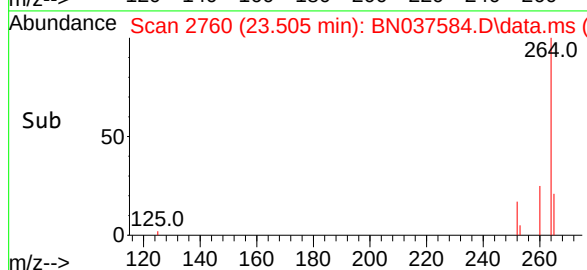
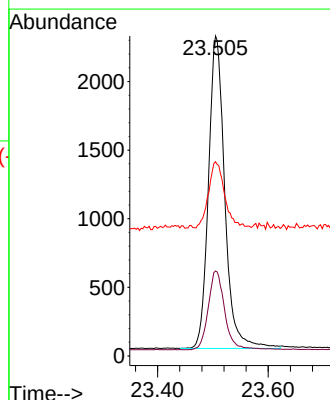
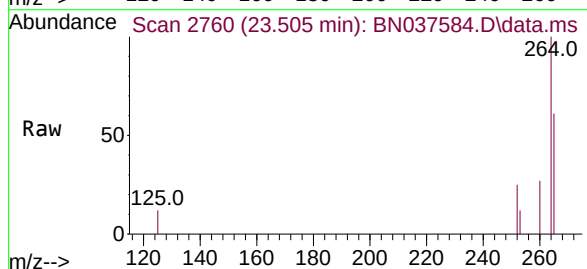
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

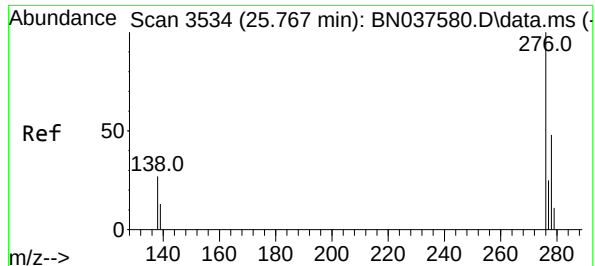
Tgt Ion:149 Resp: 46994
Ion Ratio Lower Upper
149 100
167 26.4 20.5 30.7
279 3.1 2.6 4.0



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.505 min Scan# 2760
Delta R.T. -0.003 min
Lab File: BN037584.D
Acq: 12 Aug 2025 20:05

Tgt Ion:264 Resp: 4653
Ion Ratio Lower Upper
264 100
260 26.5 21.6 32.4
265 60.7 48.2 72.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.965 ng

RT: 25.768 min Scan# 3534

Delta R.T. 0.000 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

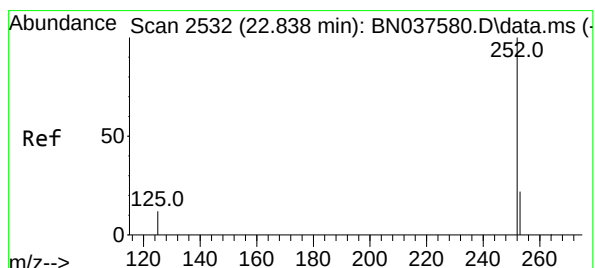
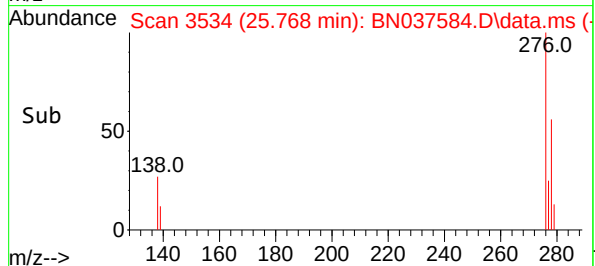
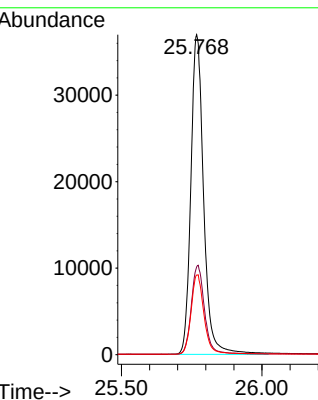
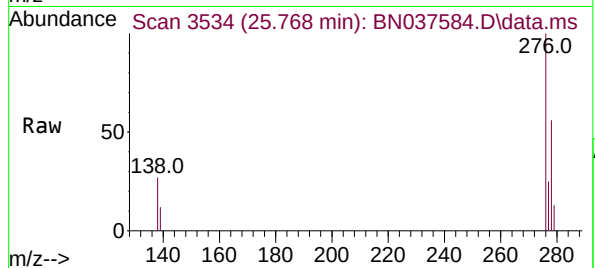
Tgt Ion:276 Resp: 116962

Ion Ratio Lower Upper

276 100

138 28.5 23.3 34.9

277 25.2 19.5 29.3



#37

Benzo(b)fluoranthene

Concen: 6.019 ng

RT: 22.835 min Scan# 2531

Delta R.T. -0.003 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

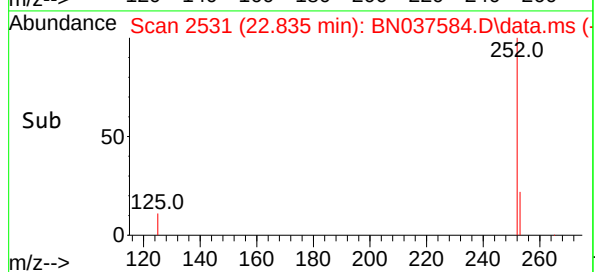
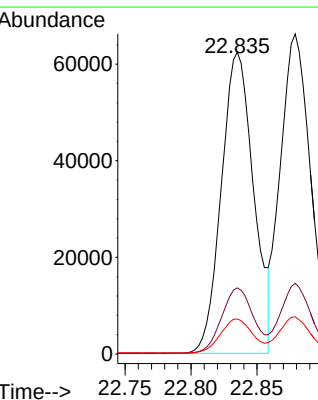
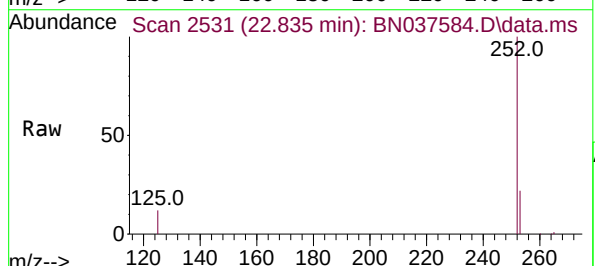
Tgt Ion:252 Resp: 106138

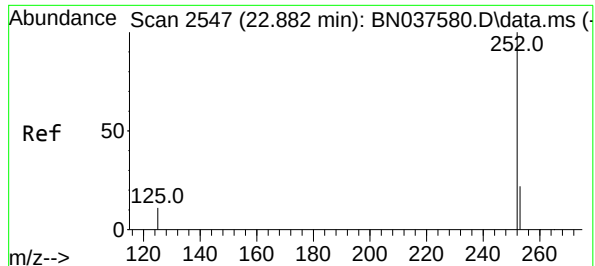
Ion Ratio Lower Upper

252 100

253 21.9 20.0 30.0

125 11.6 13.8 20.6#





#38

Benzo(k)fluoranthene

Concen: 5.548 ng

RT: 22.879 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037584.D

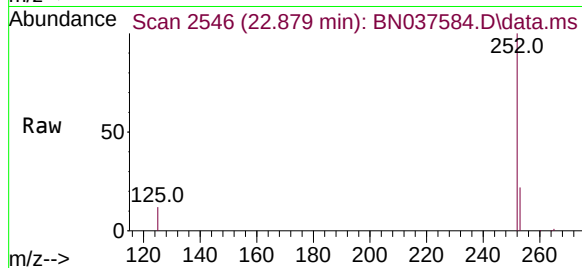
Acq: 12 Aug 2025 20:05

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



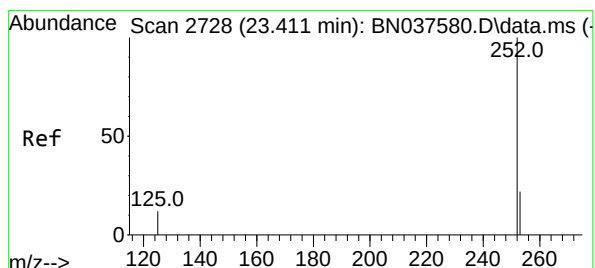
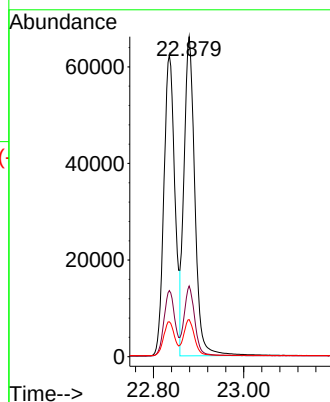
Tgt Ion:252 Resp: 110373

Ion Ratio Lower Upper

252 100

253 22.1 19.9 29.9

125 11.6 15.0 22.6#



#39

Benzo(a)pyrene

Concen: 5.997 ng

RT: 23.408 min Scan# 2727

Delta R.T. -0.003 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

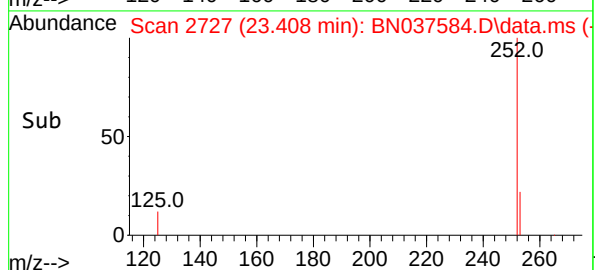
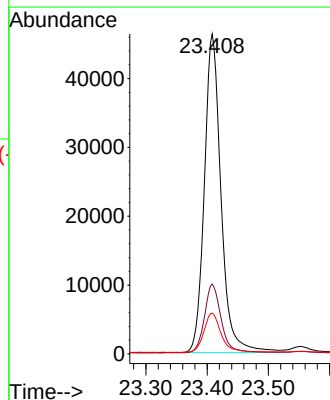
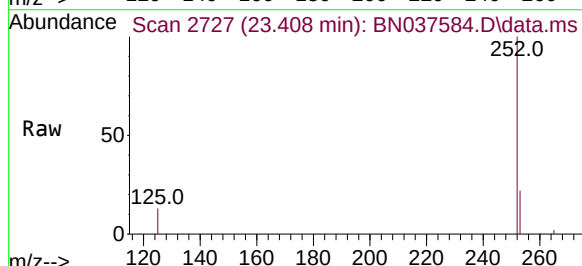
Tgt Ion:252 Resp: 87699

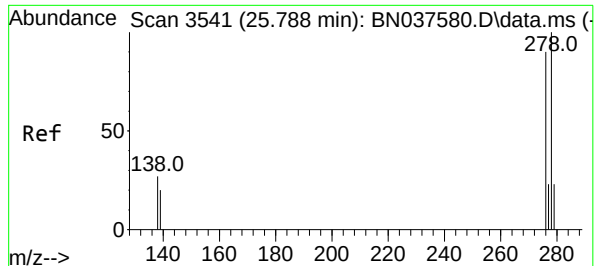
Ion Ratio Lower Upper

252 100

253 21.8 21.6 32.4

125 12.8 16.8 25.2#





#40

Dibenzo(a,h)anthracene

Concen: 6.197 ng

RT: 25.782 min Scan# 3541

Delta R.T. -0.006 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

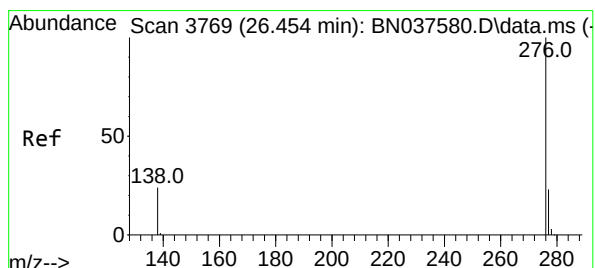
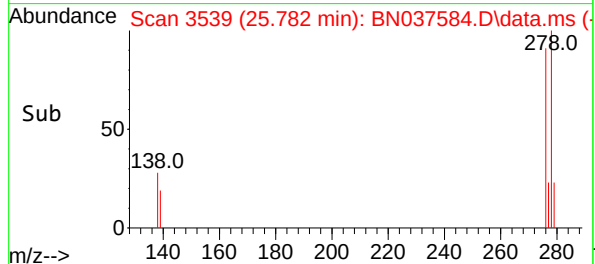
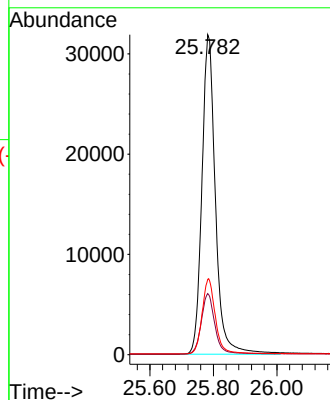
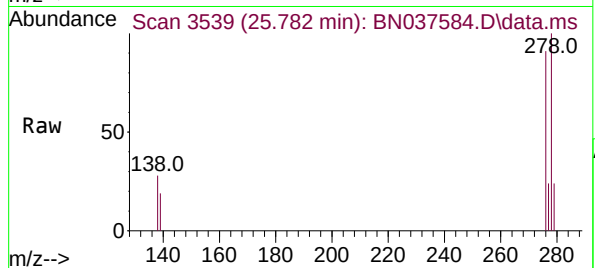
Tgt Ion:278 Resp: 94267

Ion Ratio Lower Upper

278 100

139 19.1 18.3 27.5

279 23.6 22.5 33.7



#41

Benzo(g,h,i)perylene

Concen: 5.960 ng

RT: 26.458 min Scan# 3770

Delta R.T. 0.003 min

Lab File: BN037584.D

Acq: 12 Aug 2025 20:05

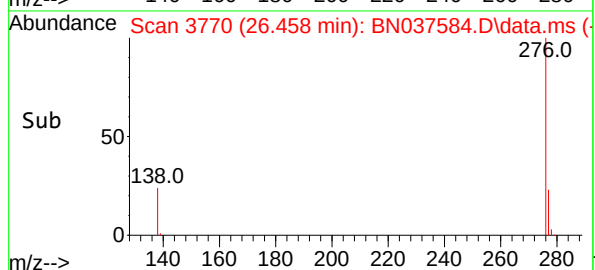
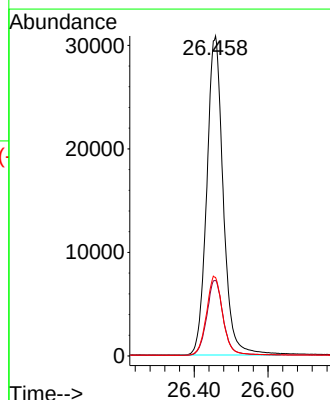
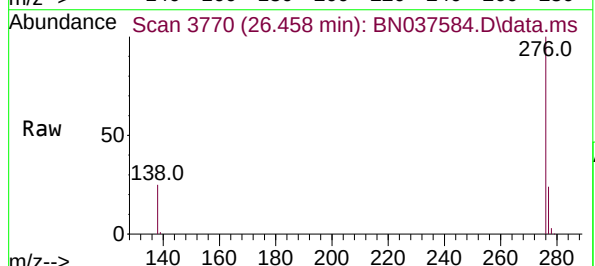
Tgt Ion:276 Resp: 95537

Ion Ratio Lower Upper

276 100

277 23.6 21.0 31.4

138 24.5 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037585.D
 Acq On : 12 Aug 2025 20:42
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN081225

Quant Time: Aug 13 05:03:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

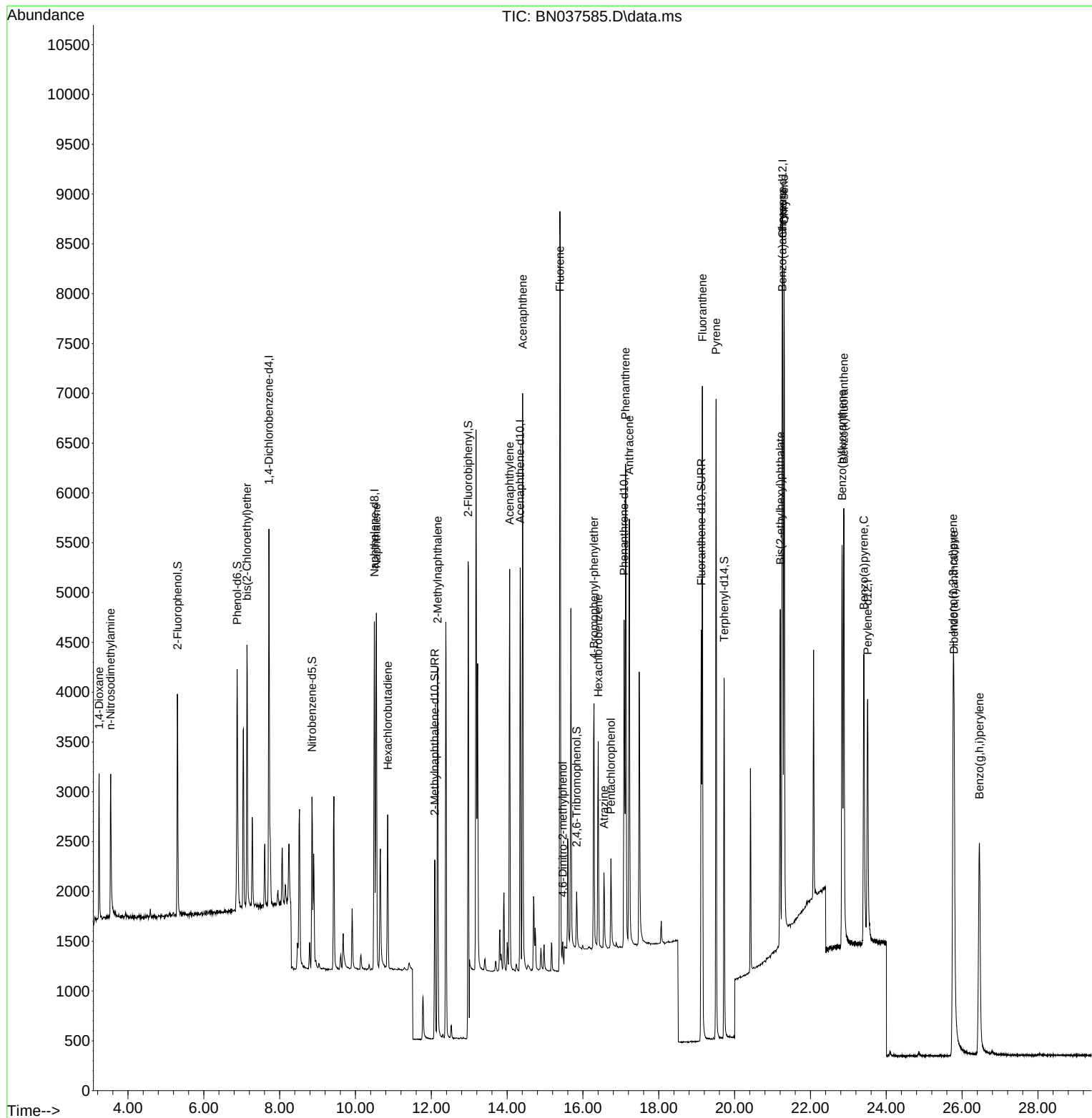
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	1850	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4517	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2241	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4564	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4001	0.400	ng	# 0.00
35) Perylene-d12	23.511	264	3490	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1785	0.426	ng	0.00
5) Phenol-d6	6.880	99	2272	0.450	ng	0.00
8) Nitrobenzene-d5	8.854	82	1408	0.443	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	2611	0.425	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	358	0.365	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	5746	0.443	ng	0.00
27) Fluoranthene-d10	19.118	212	4866	0.405	ng	0.00
31) Terphenyl-d14	19.727	244	3884	0.472	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.240	88	889	0.502	ng	99
3) n-Nitrosodimethylamine	3.543	42	1054	0.466	ng	98
6) bis(2-Chloroethyl)ether	7.140	93	1993	0.438	ng	99
9) Naphthalene	10.552	128	4985	0.415	ng	100
10) Hexachlorobutadiene	10.851	225	1259	0.429	ng	# 100
12) 2-Methylnaphthalene	12.167	142	2809	0.372	ng	98
16) Acenaphthylene	14.067	152	4504	0.448	ng	99
17) Acenaphthene	14.409	154	2768	0.405	ng	99
18) Fluorene	15.393	166	3592	0.402	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	209	0.433	ng	97
21) 4-Bromophenyl-phenylether	16.292	248	1147	0.400	ng	98
22) Hexachlorobenzene	16.404	284	1702	0.419	ng	99
23) Atrazine	16.553	200	681	0.420	ng	98
24) Pentachlorophenol	16.739	266	484	0.339	ng	96
25) Phenanthrene	17.124	178	5612	0.404	ng	100
26) Anthracene	17.223	178	4939	0.402	ng	99
28) Fluoranthene	19.150	202	6097	0.382	ng	100
30) Pyrene	19.513	202	5925	0.396	ng	100
32) Benzo(a)anthracene	21.259	228	5497	0.411	ng	100
33) Chrysene	21.304	228	6035	0.405	ng	98
34) Bis(2-ethylhexyl)phtha...	21.205	149	2306	0.418	ng	99
36) Indeno(1,2,3-cd)pyrene	25.765	276	6028	0.410	ng	99
37) Benzo(b)fluoranthene	22.835	252	5410	0.409	ng	99
38) Benzo(k)fluoranthene	22.879	252	6026	0.404	ng	99
39) Benzo(a)pyrene	23.408	252	4761	0.434	ng	99
40) Dibenzo(a,h)anthracene	25.788	278	4571	0.401	ng	100
41) Benzo(g,h,i)perylene	26.458	276	4888	0.407	ng	99

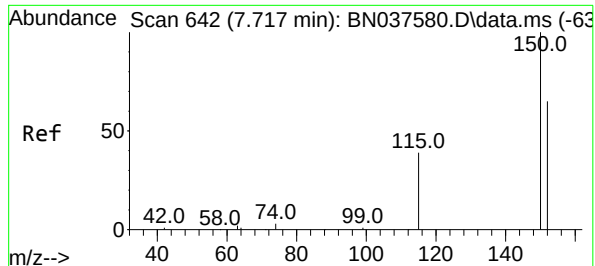
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037585.D
Acq On : 12 Aug 2025 20:42
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN081225

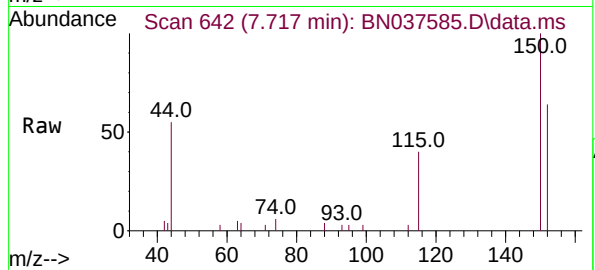
Quant Time: Aug 13 05:03:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



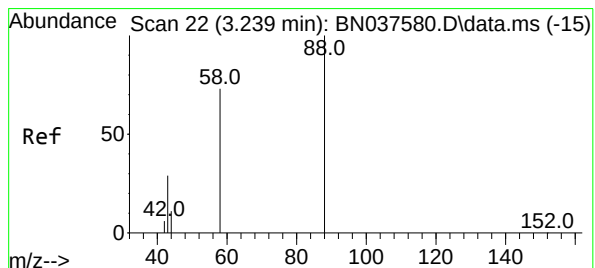
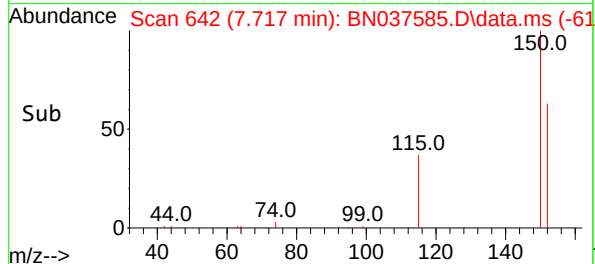
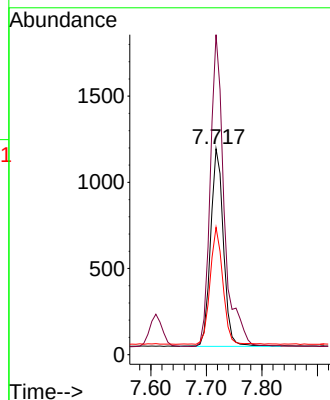


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Instrument :
BNA_N
ClientSampleId :
ICVBN081225

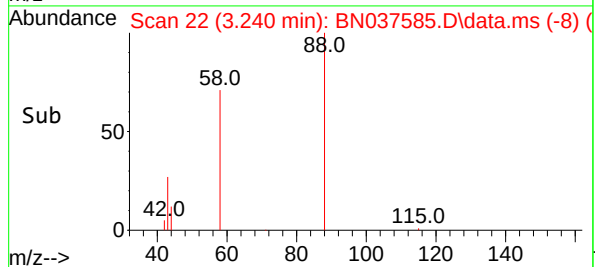
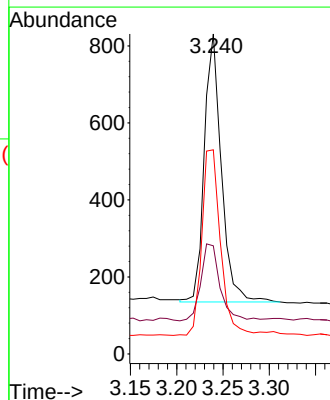
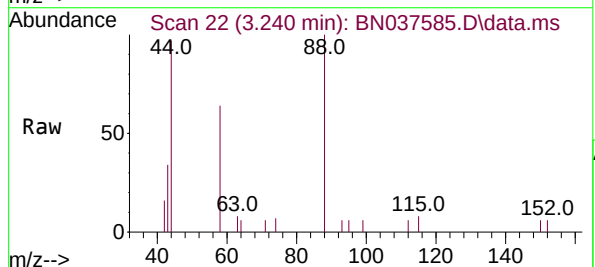


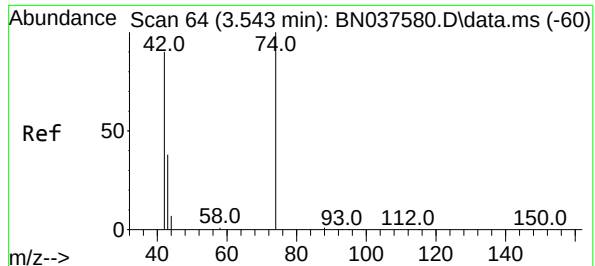
Tgt Ion: 152 Resp: 1850
Ion Ratio Lower Upper
152 100
150 155.4 122.2 183.4
115 61.8 49.8 74.6



#2
1,4-Dioxane
Concen: 0.502 ng
RT: 3.240 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion: 88 Resp: 889
Ion Ratio Lower Upper
88 100
43 32.6 25.8 38.6
58 76.0 61.2 91.8

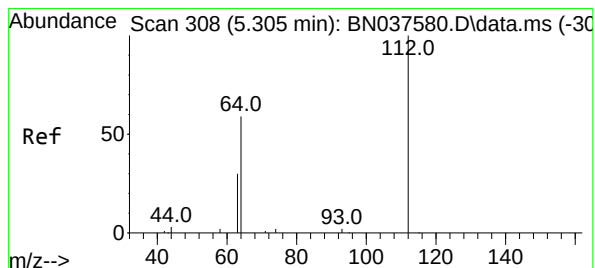
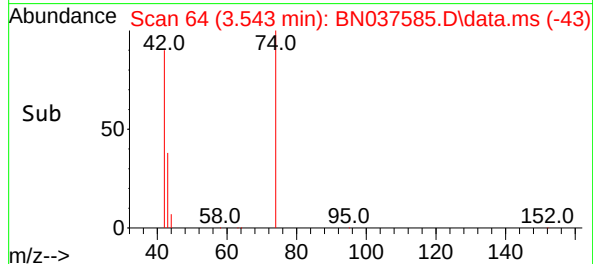
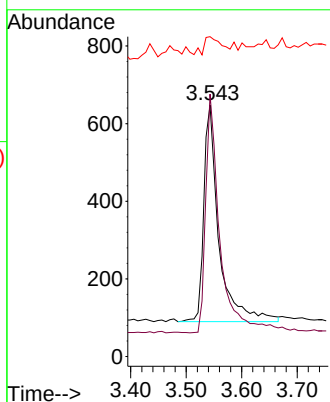
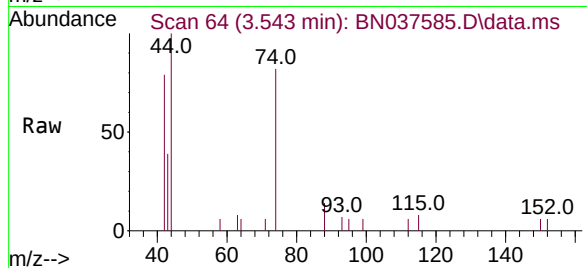




#3
n-Nitrosodimethylamine
Concen: 0.466 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

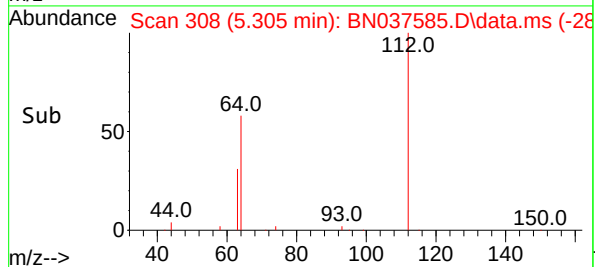
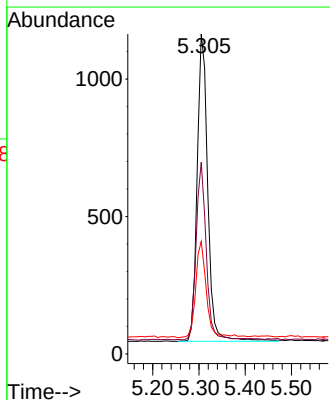
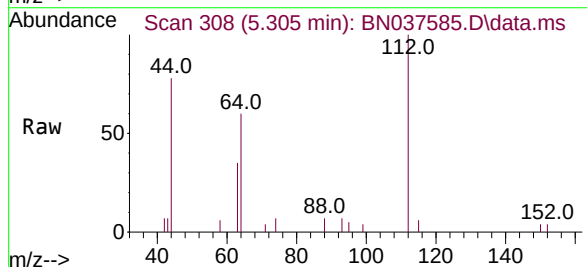
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

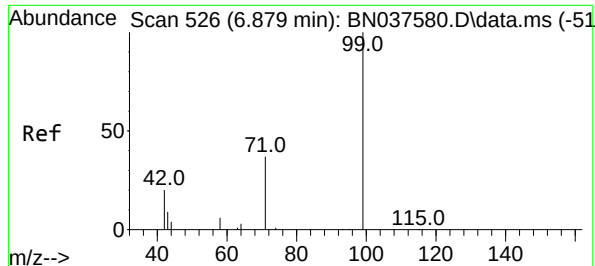
Tgt Ion: 42 Resp: 1054
Ion Ratio Lower Upper
42 100
74 104.6 82.0 123.0
44 9.7 7.9 11.9



#4
2-Fluorophenol
Concen: 0.426 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion: 112 Resp: 1785
Ion Ratio Lower Upper
112 100
64 55.4 44.9 67.3
63 31.3 23.4 35.2

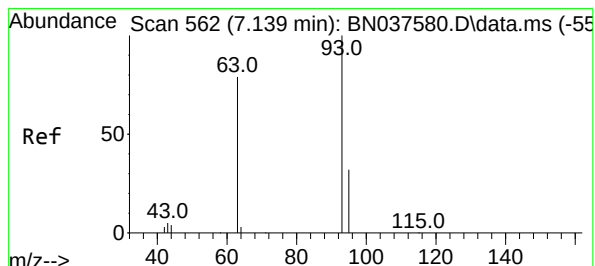
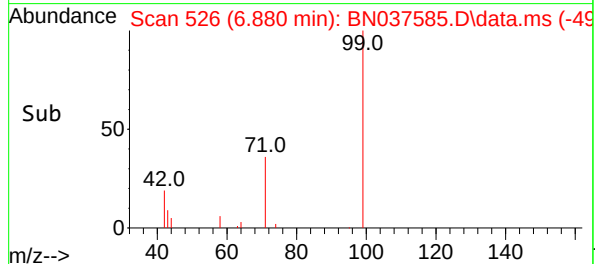
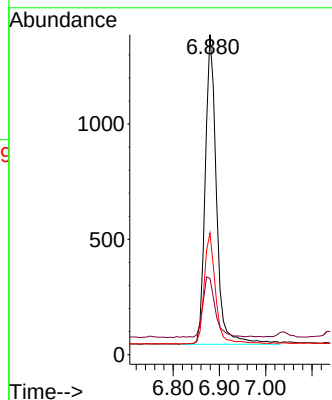
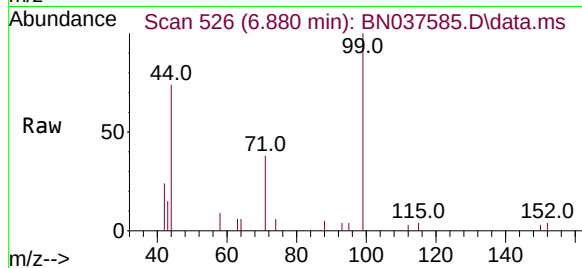




#5
Phenol-d6
Concen: 0.450 ng
RT: 6.880 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

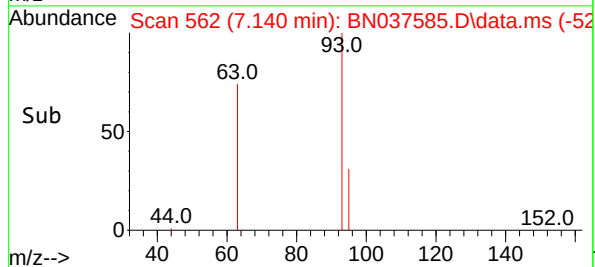
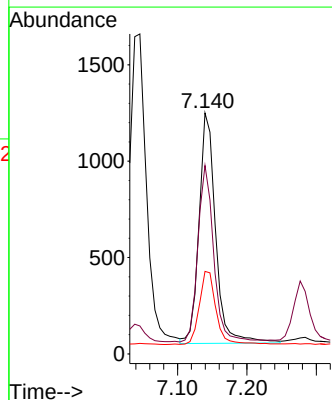
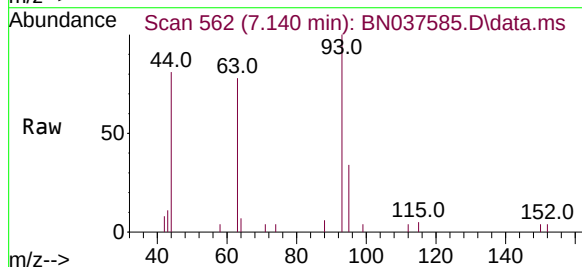
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

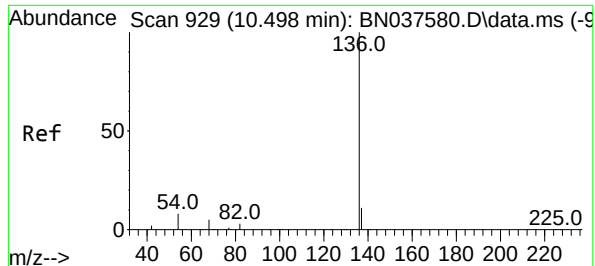
Tgt Ion: 99 Resp: 2272
Ion Ratio Lower Upper
99 100
42 21.9 18.5 27.7
71 35.6 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 0.438 ng
RT: 7.140 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion: 93 Resp: 1993
Ion Ratio Lower Upper
93 100
63 72.5 58.0 87.0
95 32.1 24.9 37.3

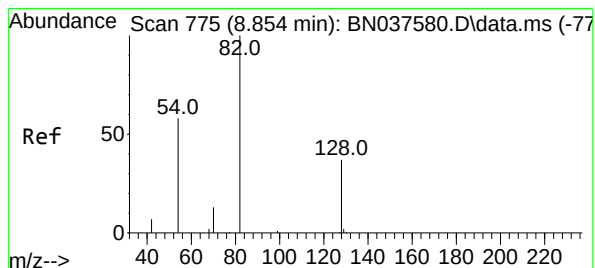
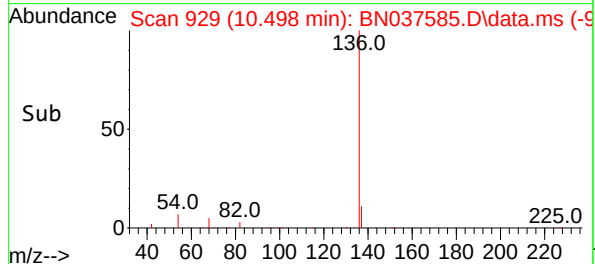
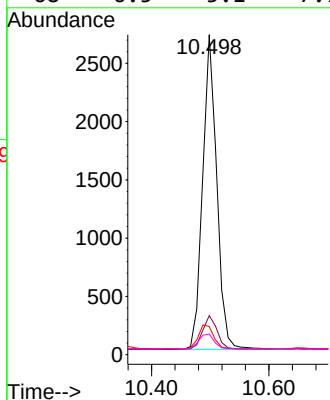
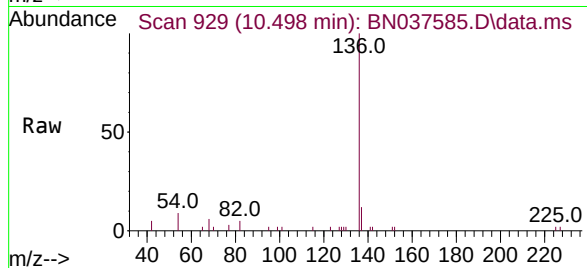




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

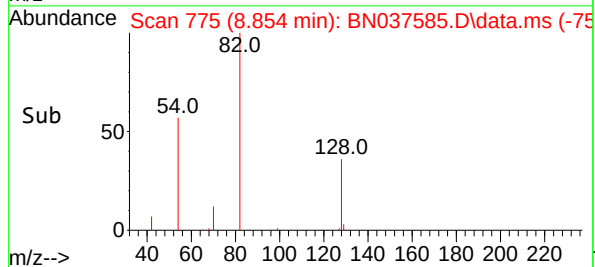
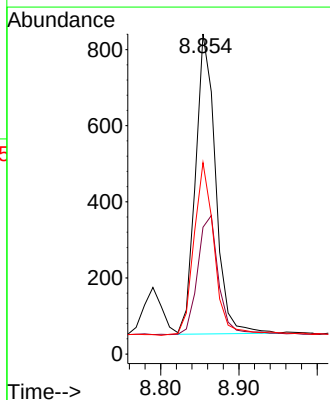
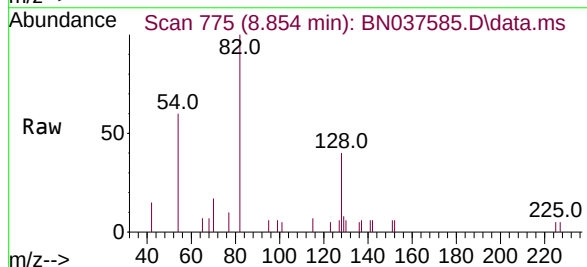
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

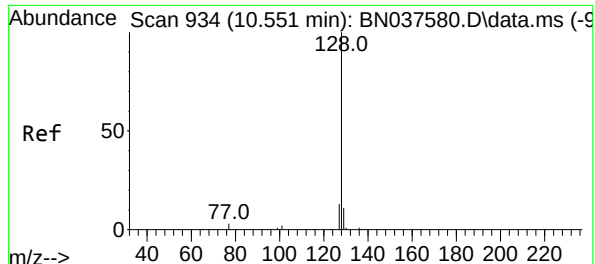
Tgt Ion:	136	Resp:	4517
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.8	7.3	10.9
68	6.5	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.443 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion:	82	Resp:	1408
Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.6	48.8
54	59.8	48.9	73.3





#9

Naphthalene

Concen: 0.415 ng

RT: 10.552 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

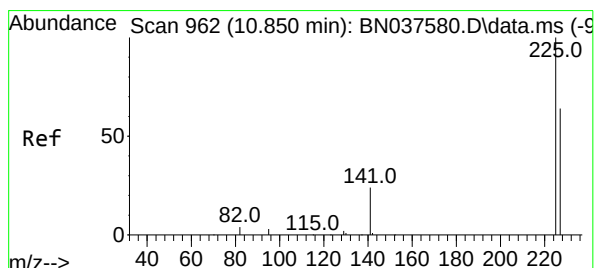
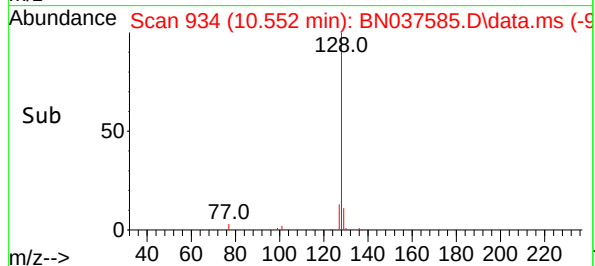
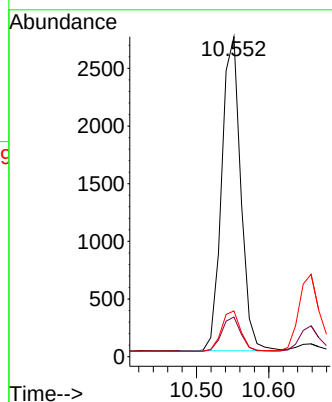
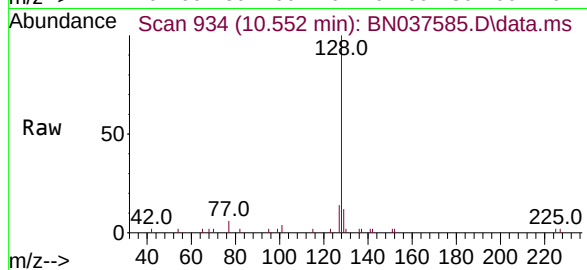
Tgt Ion:128 Resp: 4985

Ion Ratio Lower Upper

128 100

129 12.4 9.8 14.6

127 14.3 11.5 17.3



#10

Hexachlorobutadiene

Concen: 0.429 ng

RT: 10.851 min Scan# 962

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

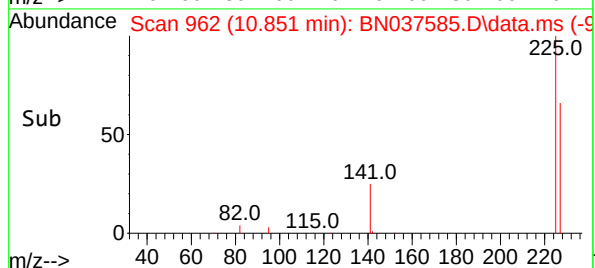
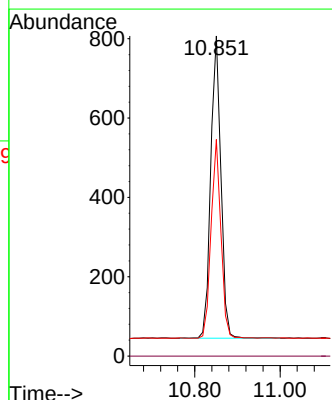
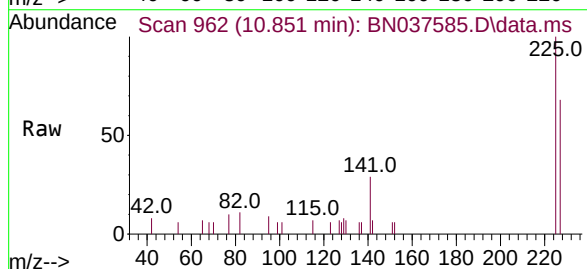
Tgt Ion:225 Resp: 1259

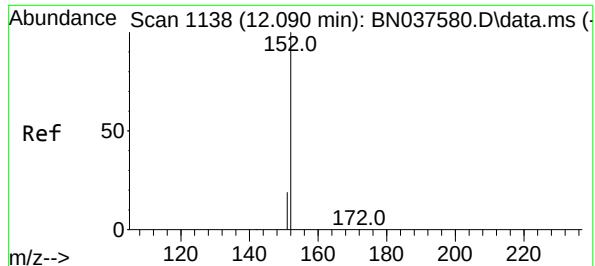
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.4 50.8 76.2

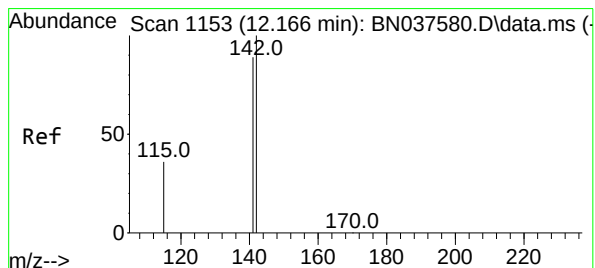
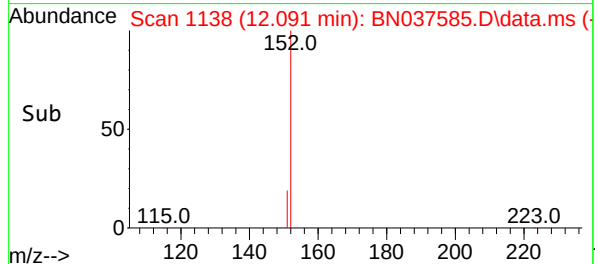
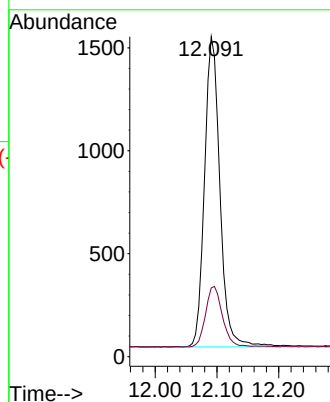
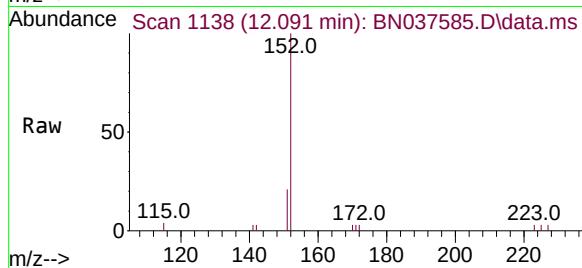




#11
2-Methylnaphthalene-d10
Concen: 0.425 ng
RT: 12.091 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

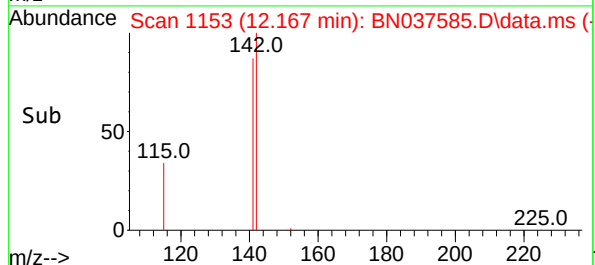
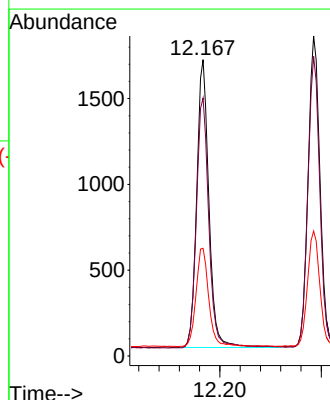
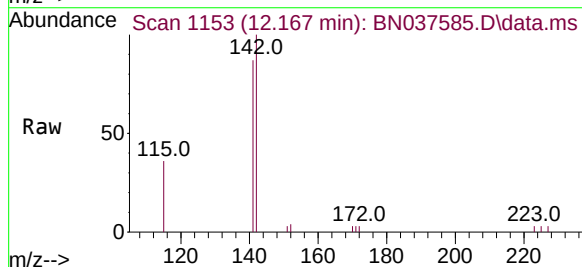
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

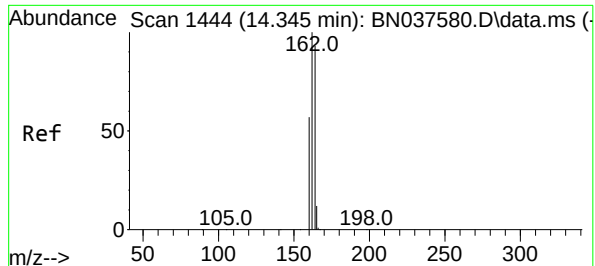
Tgt Ion:152 Resp: 2611
Ion Ratio Lower Upper
152 100
151 21.5 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.372 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion:142 Resp: 2809
Ion Ratio Lower Upper
142 100
141 87.0 71.4 107.0
115 36.4 30.2 45.4

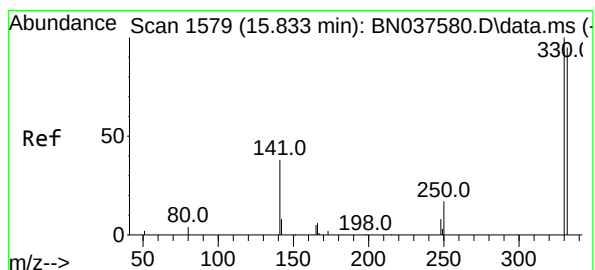
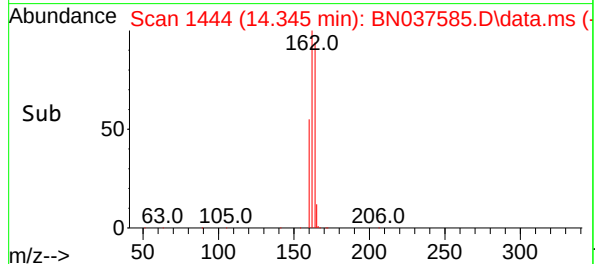
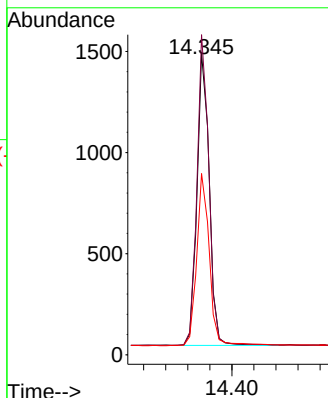
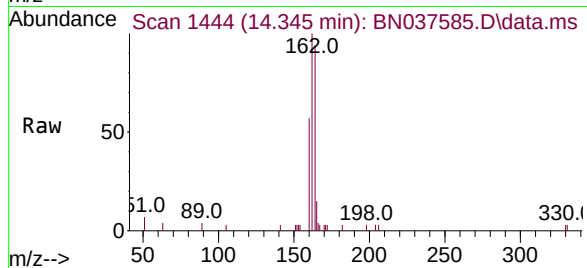




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

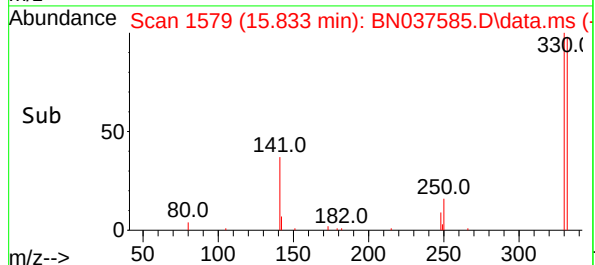
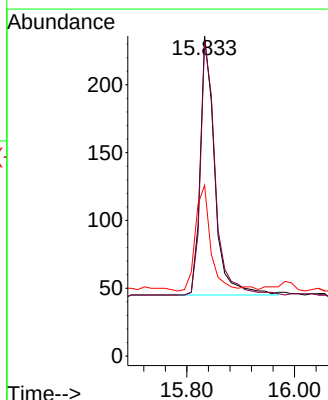
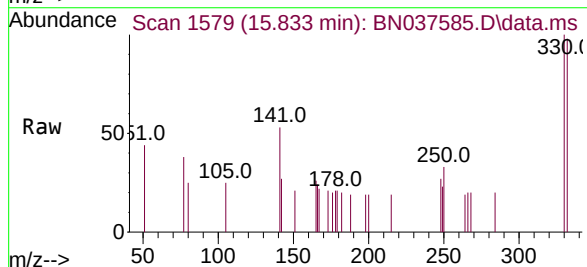
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

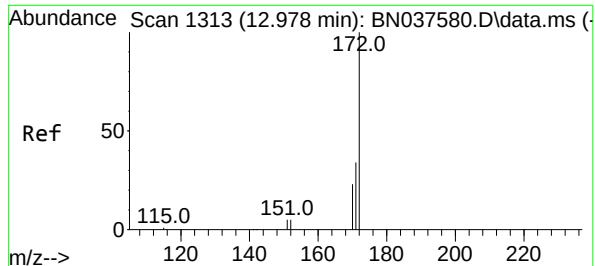
Tgt Ion	164	162	160
Resp:	2241		
Ion Ratio	100	106.2	60.1
Lower		85.5	49.5
Upper		128.3	74.3



#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion	330	332	141
Resp:	358		
Ion Ratio	100	99.7	42.7
Lower		77.4	30.9
Upper		116.0	46.3

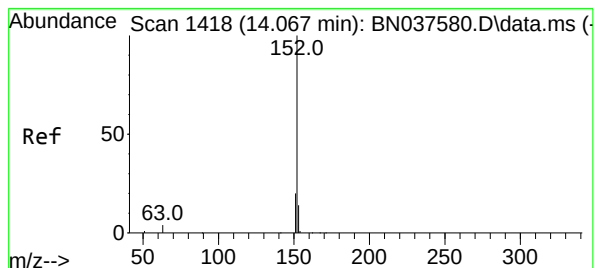
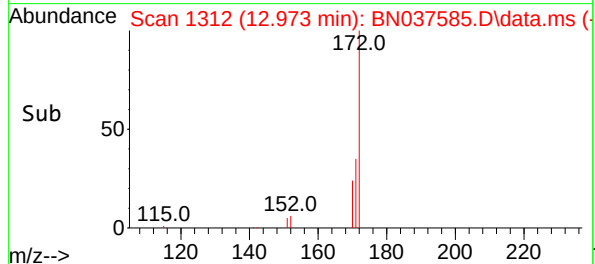
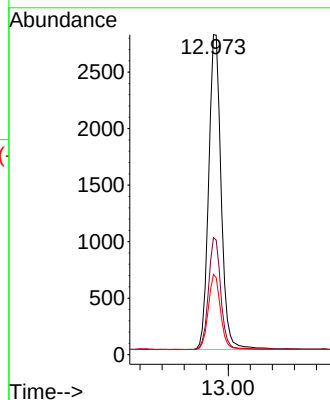
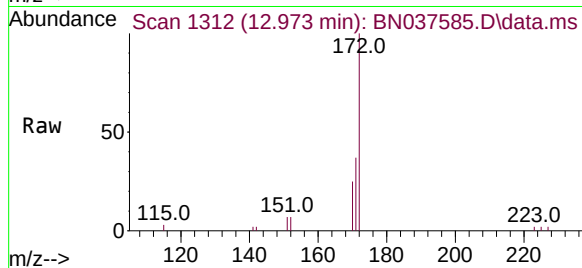




#15
2-Fluorobiphenyl
Concen: 0.443 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

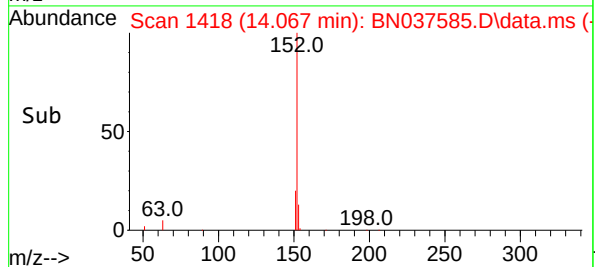
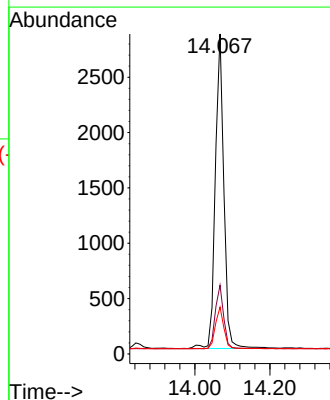
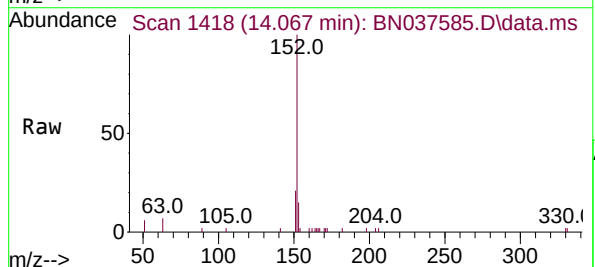
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

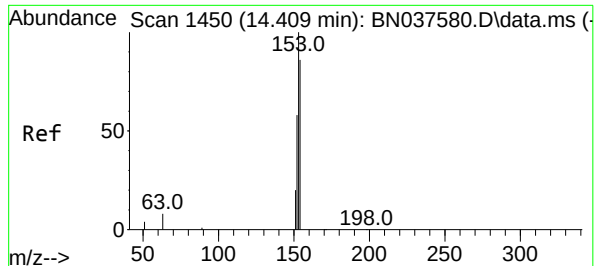
Tgt Ion:	172	Resp:	5746
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.2	42.4
170	25.1	19.2	28.8



#16
Acenaphthylene
Concen: 0.448 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion:	152	Resp:	4504
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.1	10.7	16.1

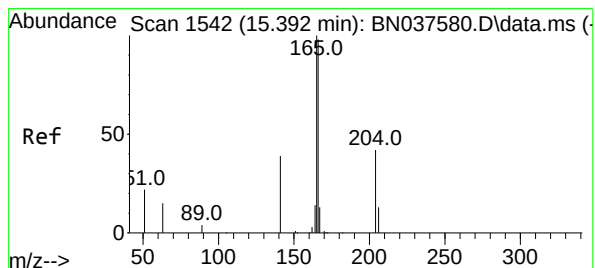
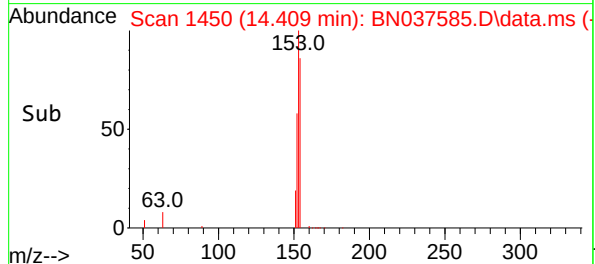
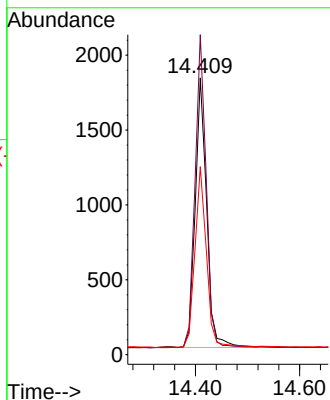
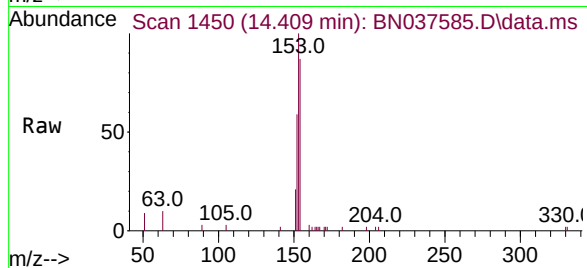




#17
Acenaphthene
Concen: 0.405 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

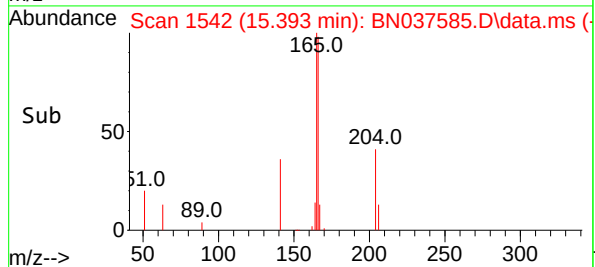
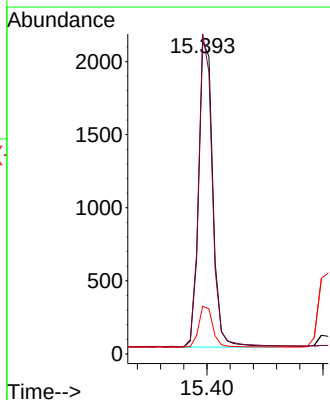
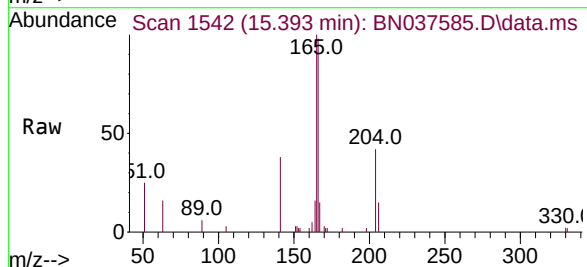
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

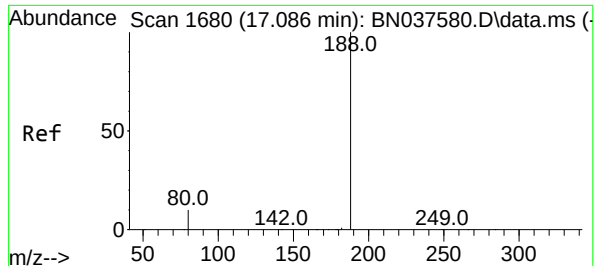
Tgt Ion:154 Resp: 2768
Ion Ratio Lower Upper
154 100
153 112.4 90.6 135.8
152 67.8 54.9 82.3



#18
Fluorene
Concen: 0.402 ng
RT: 15.393 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion:166 Resp: 3592
Ion Ratio Lower Upper
166 100
165 100.0 78.9 118.3
167 14.0 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

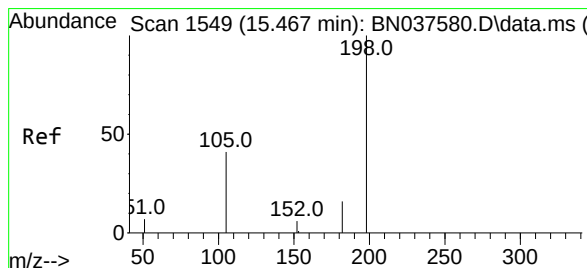
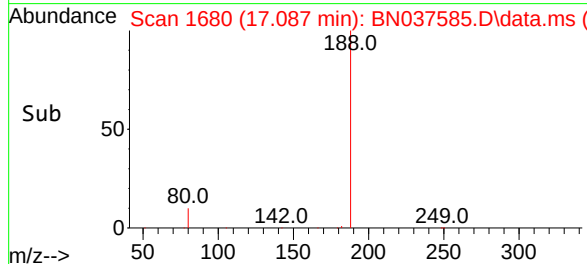
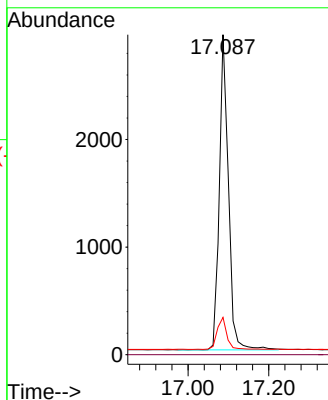
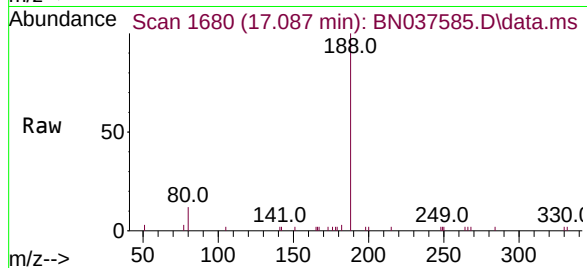
Tgt Ion:188 Resp: 4564

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.433 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

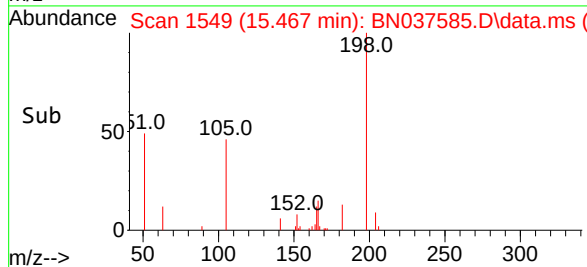
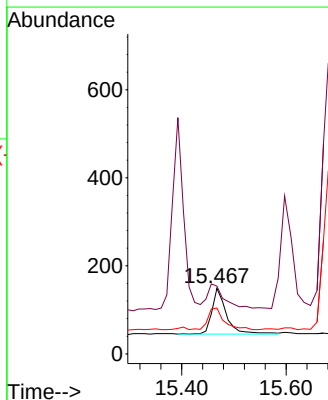
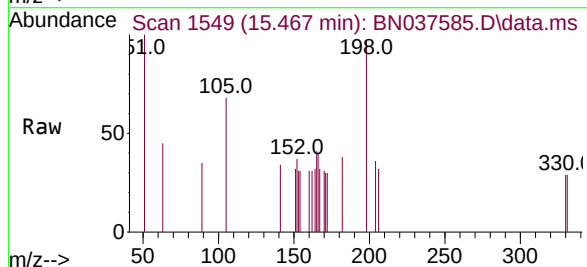
Tgt Ion:198 Resp: 209

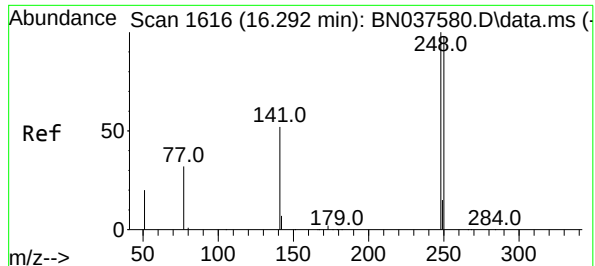
Ion Ratio Lower Upper

198 100

51 103.4 81.0 121.6

105 69.8 52.5 78.7

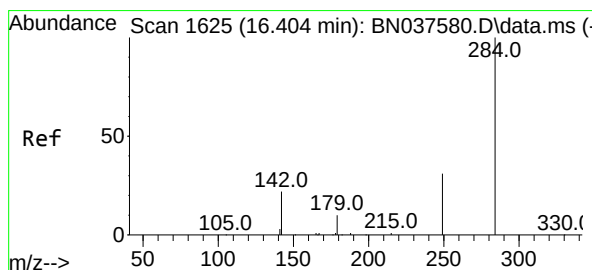
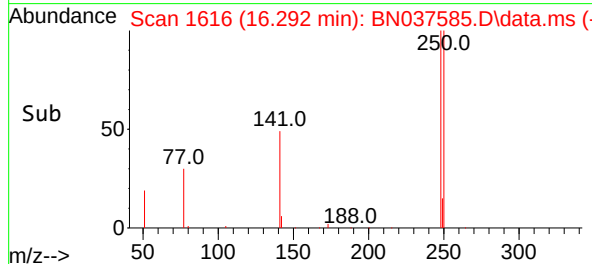
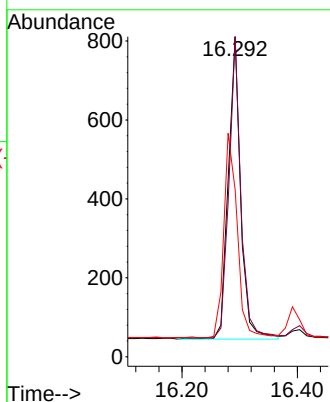
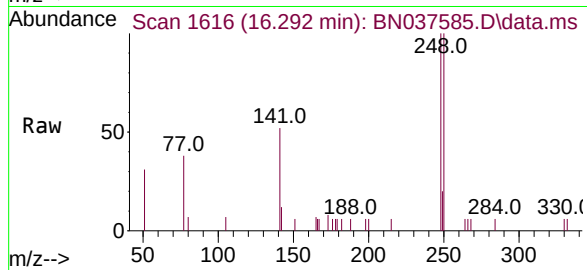




#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.292 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

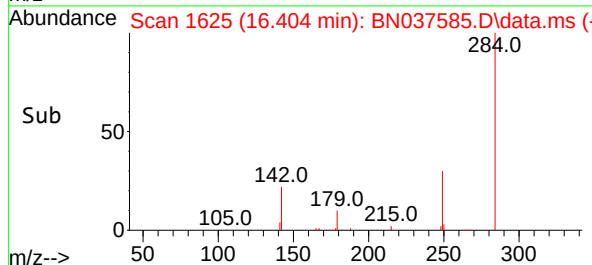
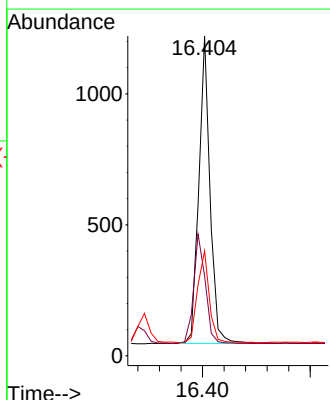
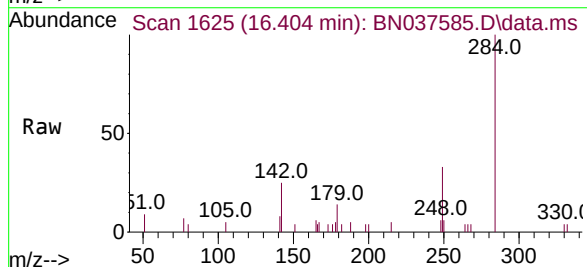
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

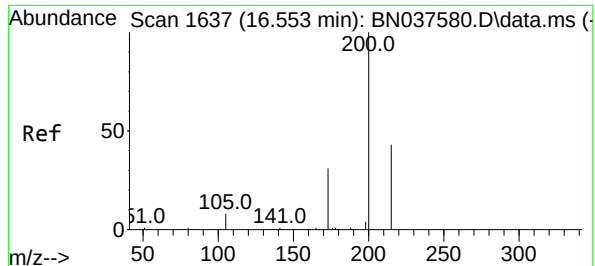
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.0	78.6	118.0
141	52.2	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.419 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.8	44.6
249	31.6	26.0	39.0





#23

Atrazine

Concen: 0.420 ng

RT: 16.553 min Scan# 1637

Delta R.T. -0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

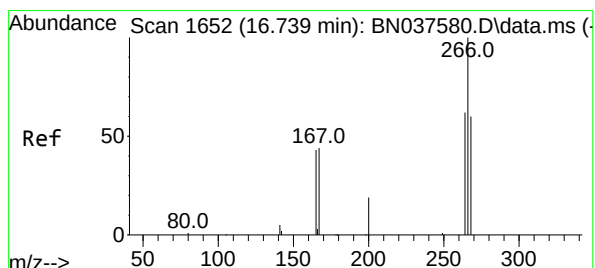
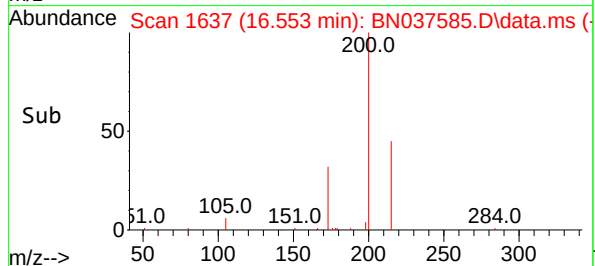
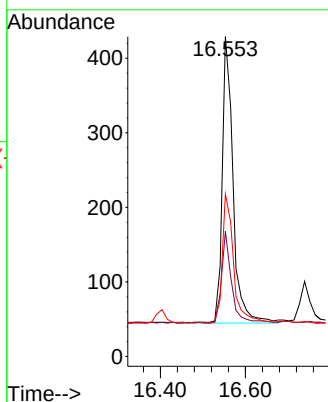
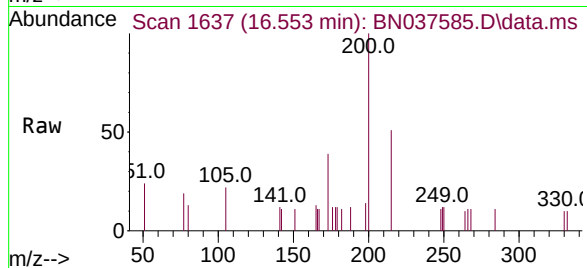
Tgt Ion:200 Resp: 681

Ion Ratio Lower Upper

200 100

173 39.2 31.0 46.4

215 50.8 39.4 59.0



#24

Pentachlorophenol

Concen: 0.339 ng

RT: 16.739 min Scan# 1652

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

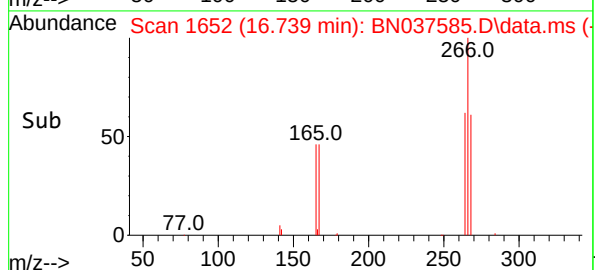
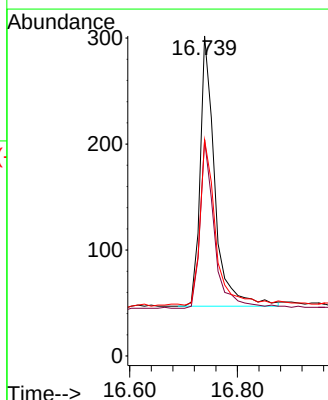
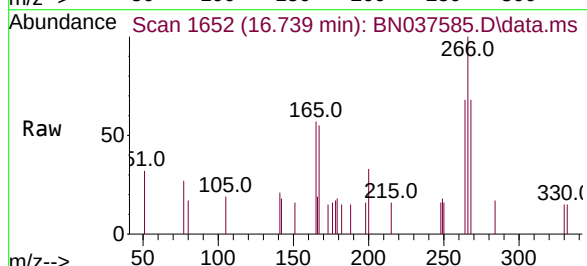
Tgt Ion:266 Resp: 484

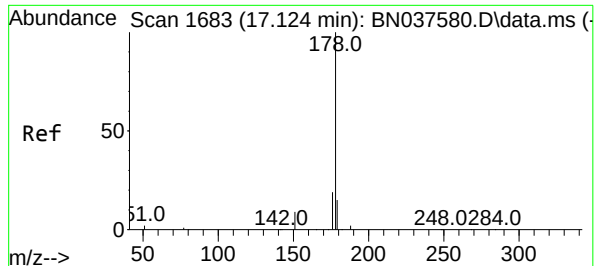
Ion Ratio Lower Upper

266 100

264 61.8 49.6 74.4

268 67.4 49.2 73.8

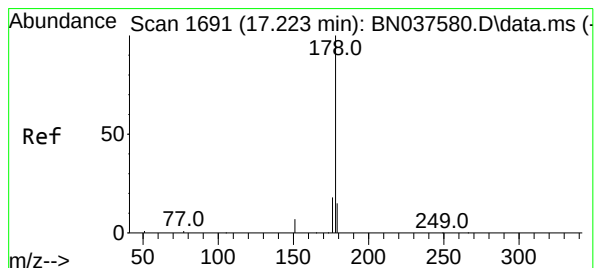
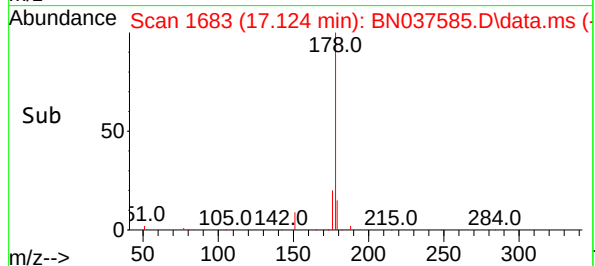
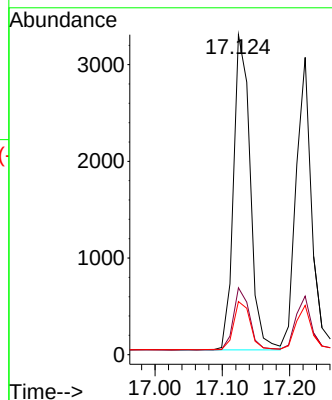
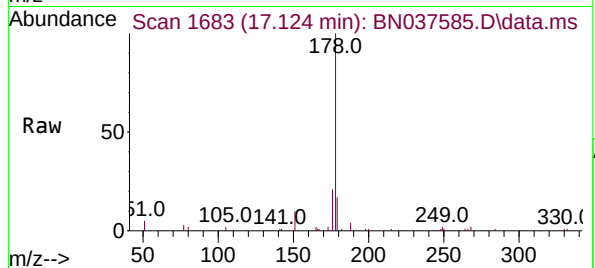




#25
Phenanthrene
Concen: 0.404 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

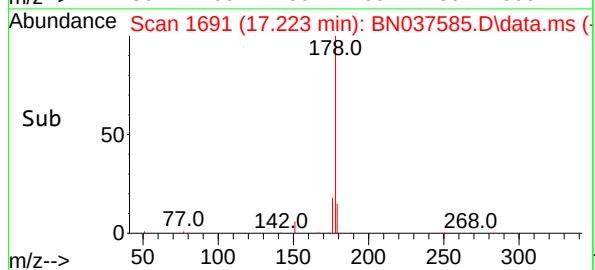
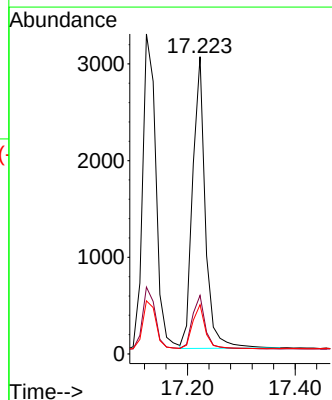
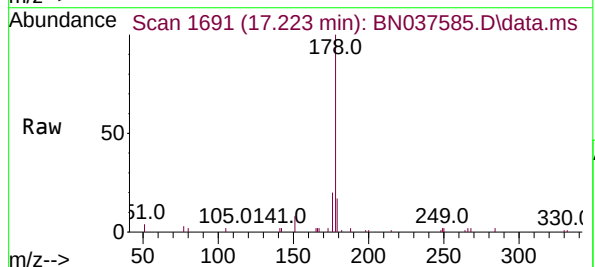
Instrument :
BNA_N
ClientSampleId :
ICVBN081225

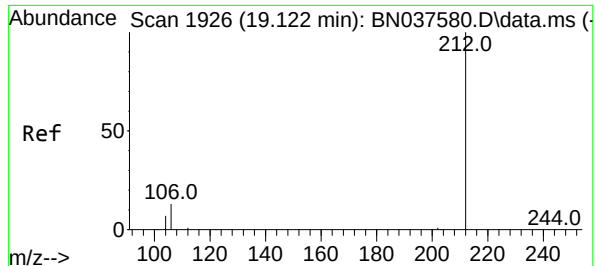
Tgt Ion:178 Resp: 5612
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.3 12.3 18.5



#26
Anthracene
Concen: 0.402 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion:178 Resp: 4939
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.5 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.118 min Scan# 1925

Delta R.T. -0.004 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

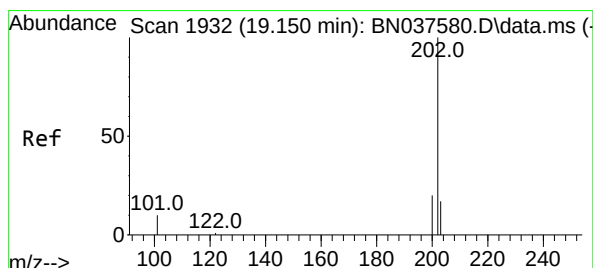
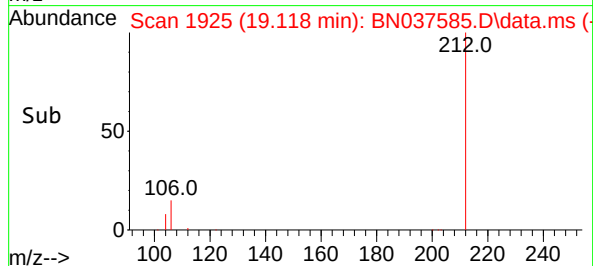
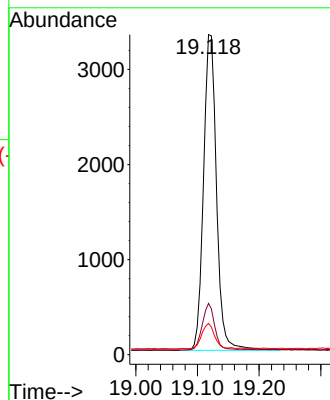
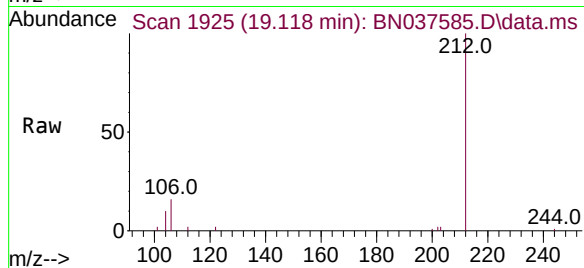
Tgt Ion:212 Resp: 4866

Ion Ratio Lower Upper

212 100

106 14.3 11.5 17.3

104 7.7 6.6 9.8



#28

Fluoranthene

Concen: 0.382 ng

RT: 19.150 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

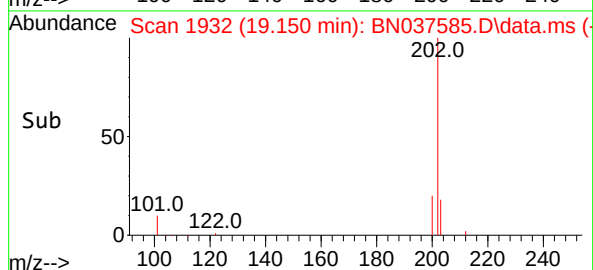
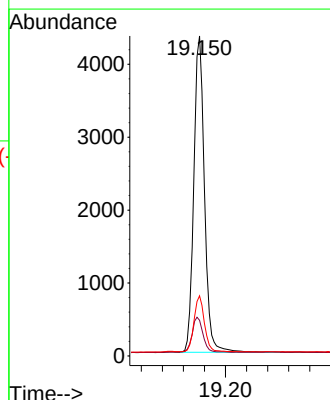
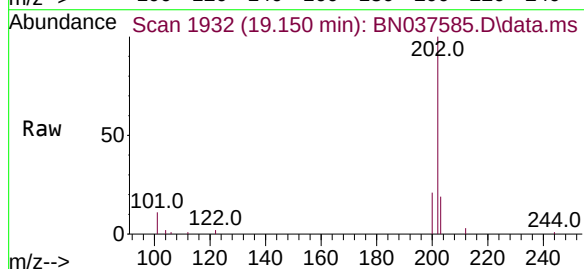
Tgt Ion:202 Resp: 6097

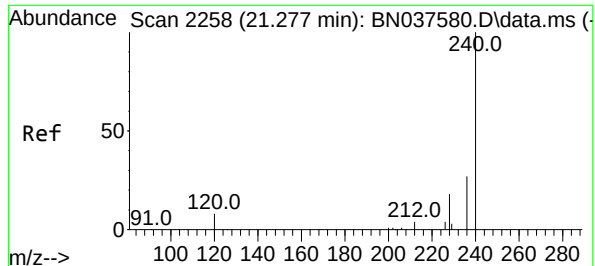
Ion Ratio Lower Upper

202 100

101 11.5 9.0 13.6

203 17.4 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

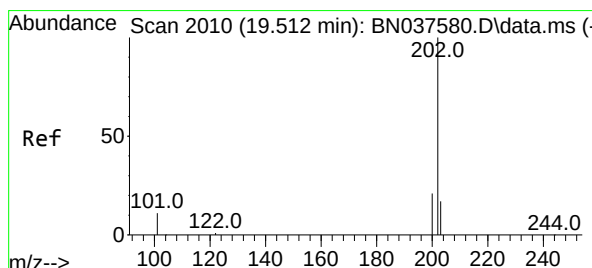
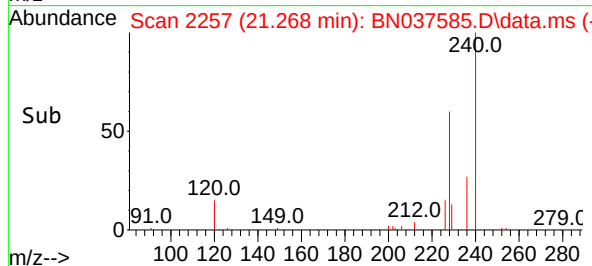
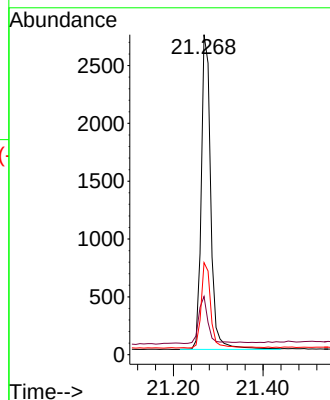
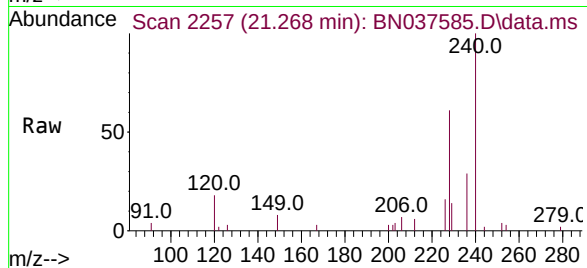
Tgt Ion:240 Resp: 4001

Ion Ratio Lower Upper

240 100

120 18.2 8.9 13.3#

236 28.8 22.6 33.8



#30

Pyrene

Concen: 0.396 ng

RT: 19.513 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

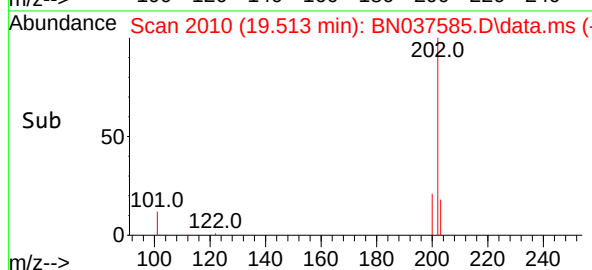
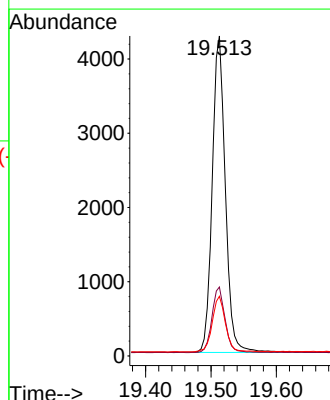
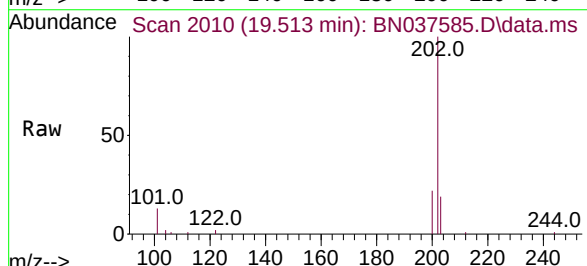
Tgt Ion:202 Resp: 5925

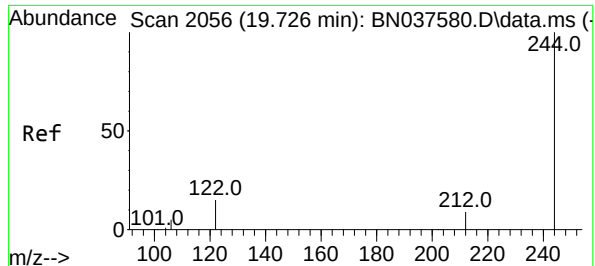
Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

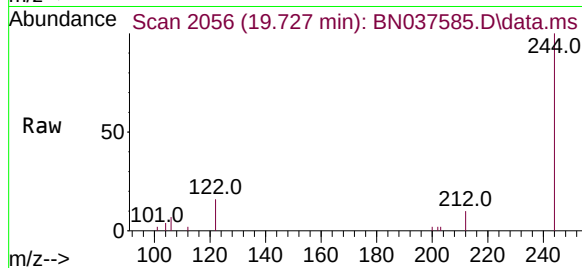
203 17.7 14.3 21.5



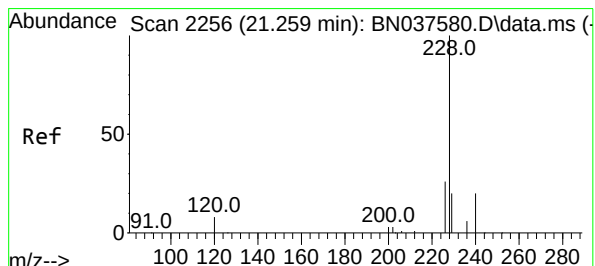
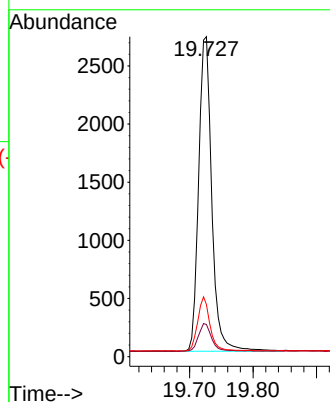


#31
Terphenyl-d14
Concen: 0.472 ng
RT: 19.727 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Instrument :
BNA_N
ClientSampleId :
ICVBN081225

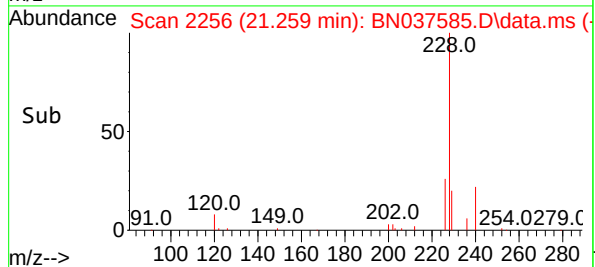
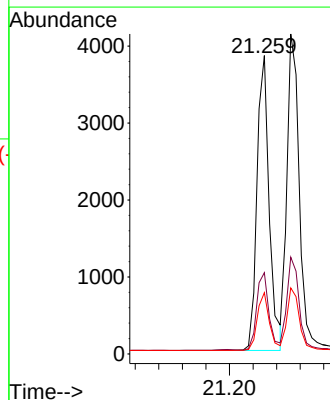
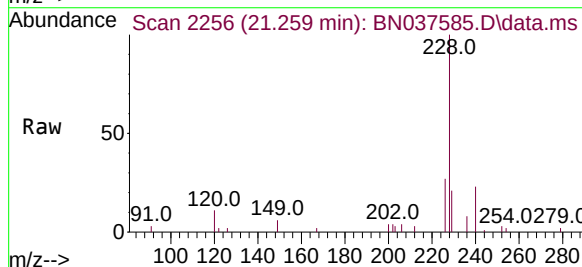


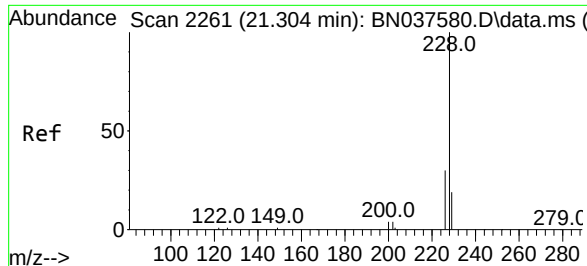
Tgt Ion:244 Resp: 3884
Ion Ratio Lower Upper
244 100
212 10.0 8.2 12.2
122 16.3 13.2 19.8



#32
Benzo(a)anthracene
Concen: 0.411 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037585.D
Acq: 12 Aug 2025 20:42

Tgt Ion:228 Resp: 5497
Ion Ratio Lower Upper
228 100
226 27.2 21.5 32.3
229 20.5 16.5 24.7





#33

Chrysene

Concen: 0.405 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

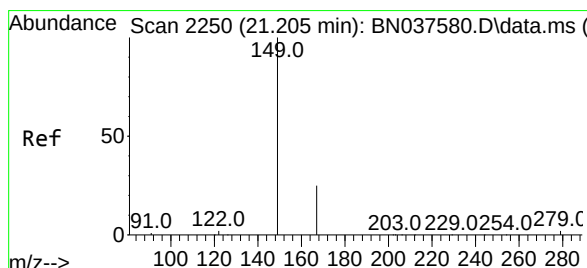
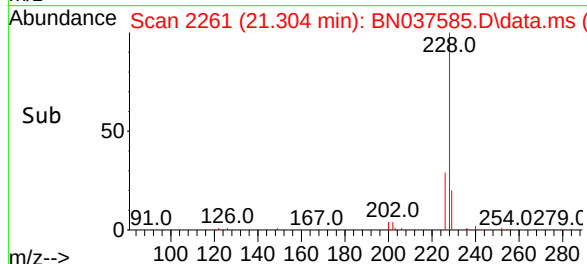
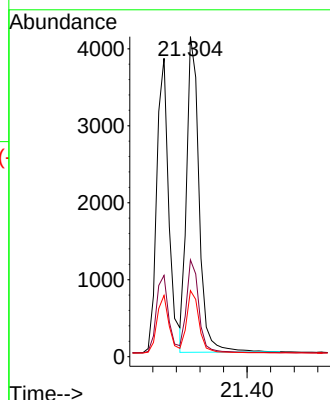
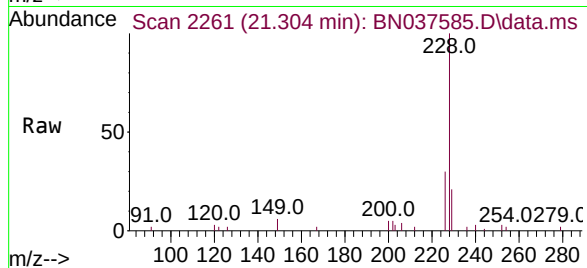
Tgt Ion:228 Resp: 6035

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

229 20.7 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.418 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

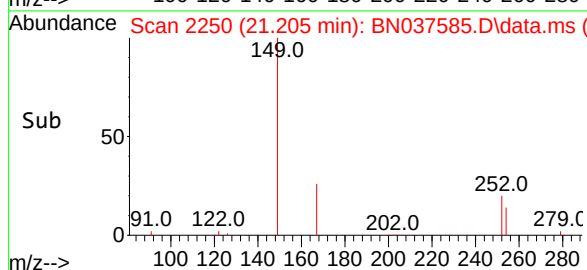
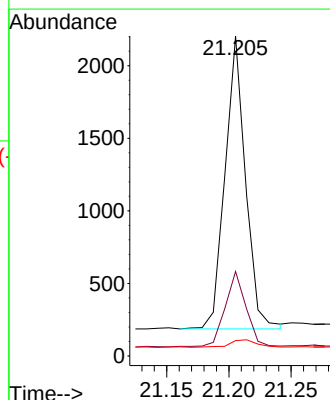
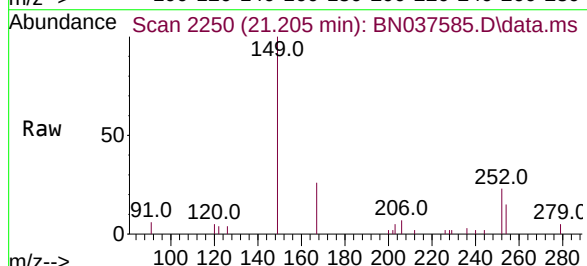
Tgt Ion:149 Resp: 2306

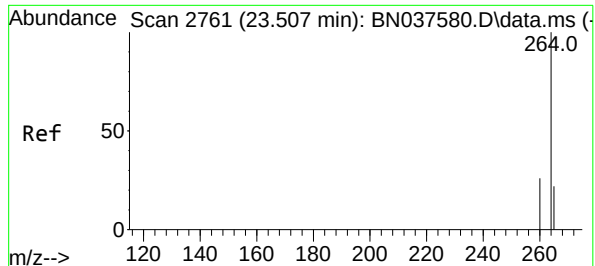
Ion Ratio Lower Upper

149 100

167 26.3 20.5 30.7

279 3.3 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.511 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037585.D

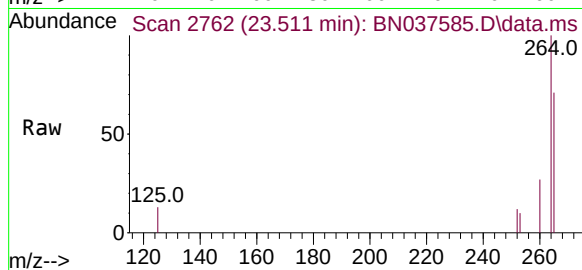
Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225



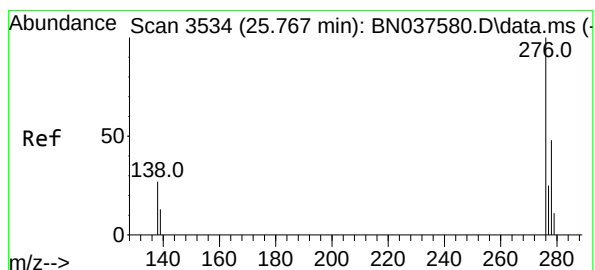
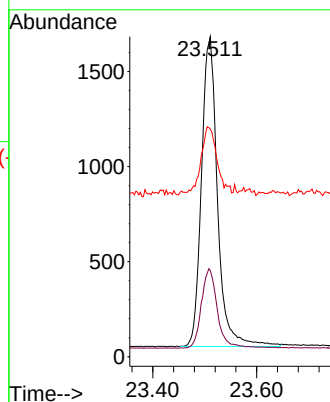
Tgt Ion:264 Resp: 3490

Ion Ratio Lower Upper

264 100

260 27.0 21.6 32.4

265 71.2 48.2 72.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.410 ng

RT: 25.765 min Scan# 3533

Delta R.T. -0.003 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

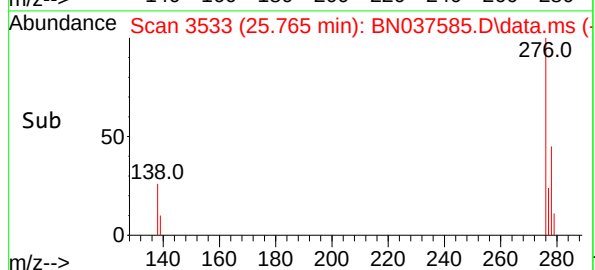
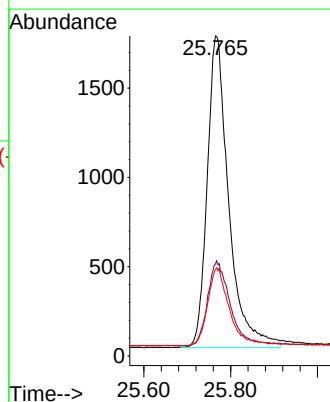
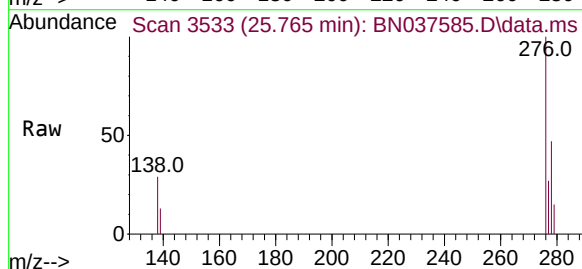
Tgt Ion:276 Resp: 6028

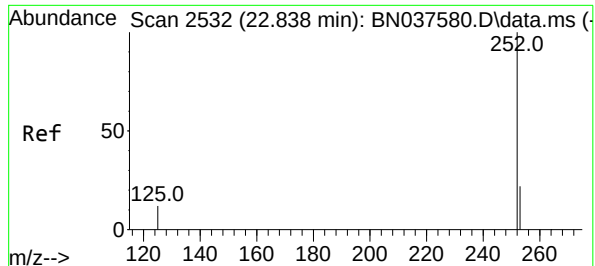
Ion Ratio Lower Upper

276 100

138 28.3 23.3 34.9

277 24.2 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.409 ng

RT: 22.835 min Scan# 2531

Delta R.T. -0.003 min

Lab File: BN037585.D

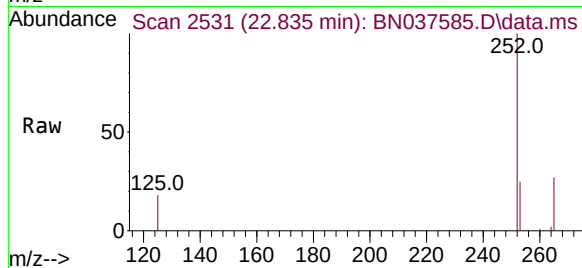
Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225



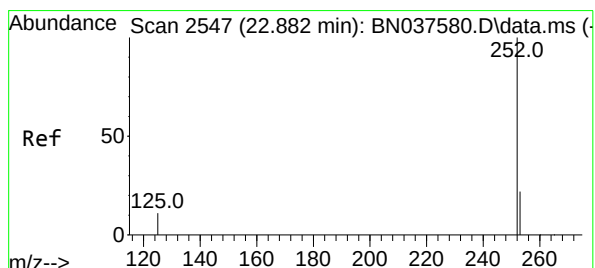
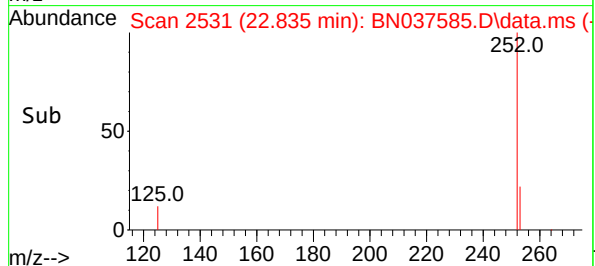
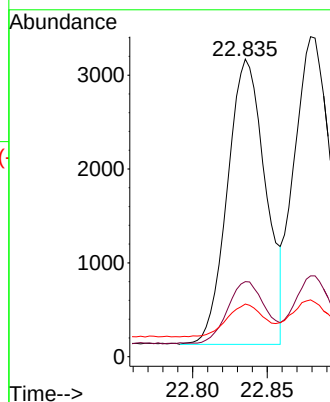
Tgt Ion:252 Resp: 5410

Ion Ratio Lower Upper

252 100

253 25.2 20.0 30.0

125 17.7 13.8 20.6



#38

Benzo(k)fluoranthene

Concen: 0.404 ng

RT: 22.879 min Scan# 2546

Delta R.T. -0.003 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

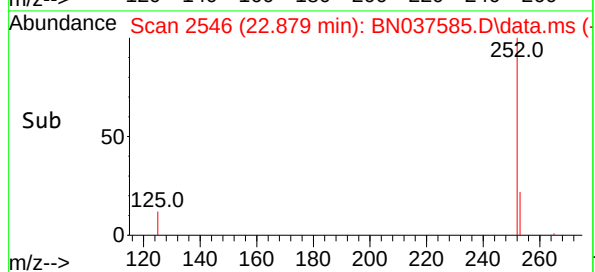
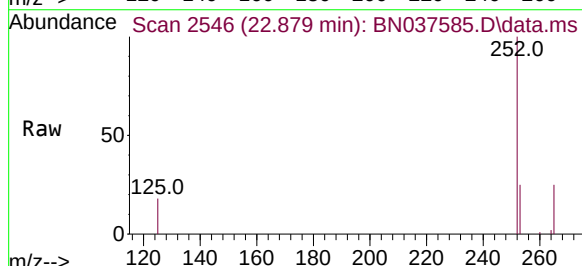
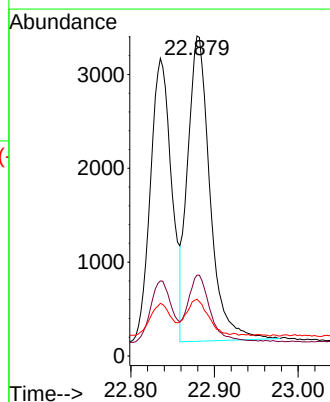
Tgt Ion:252 Resp: 6026

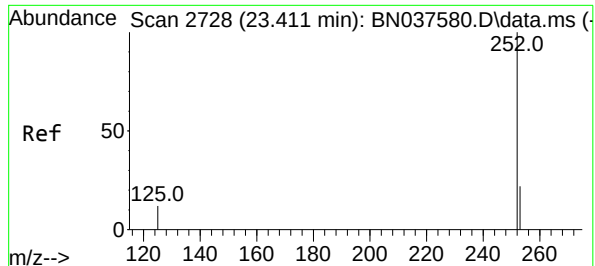
Ion Ratio Lower Upper

252 100

253 25.2 19.9 29.9

125 17.7 15.0 22.6





#39

Benzo(a)pyrene

Concen: 0.434 ng

RT: 23.408 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

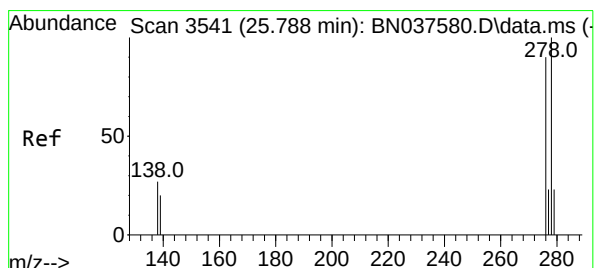
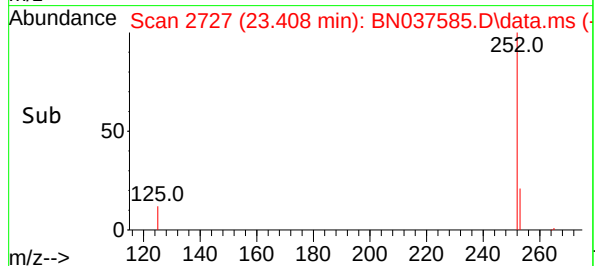
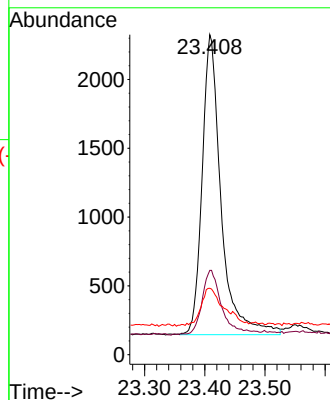
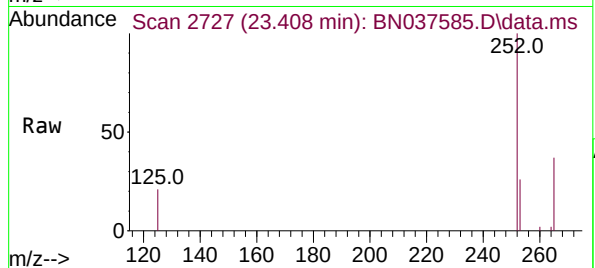
Tgt Ion:252 Resp: 4761

Ion Ratio Lower Upper

252 100

253 26.4 21.6 32.4

125 20.7 16.8 25.2



#40

Dibenzo(a,h)anthracene

Concen: 0.401 ng

RT: 25.788 min Scan# 3541

Delta R.T. 0.000 min

Lab File: BN037585.D

Acq: 12 Aug 2025 20:42

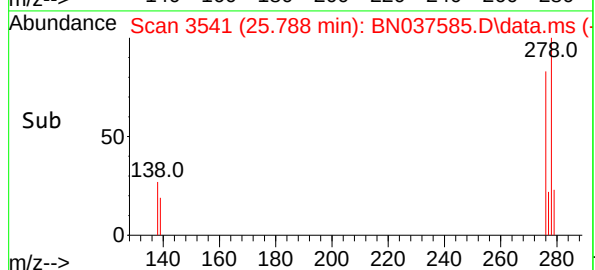
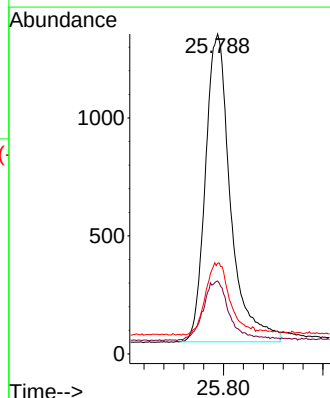
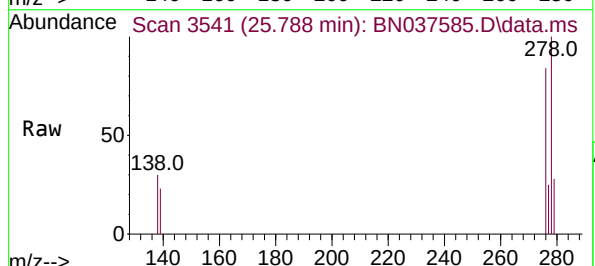
Tgt Ion:278 Resp: 4571

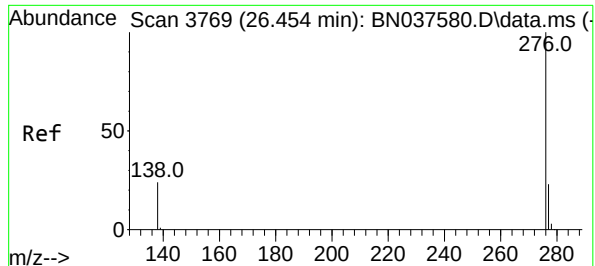
Ion Ratio Lower Upper

278 100

139 22.8 18.3 27.5

279 28.3 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 0.407 ng

RT: 26.458 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037585.D

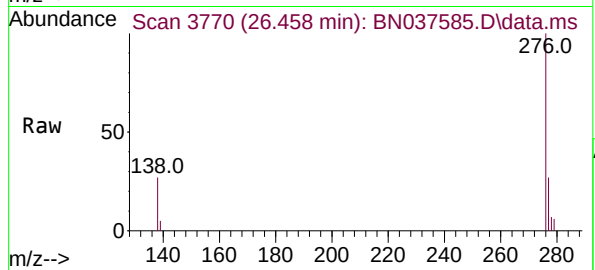
Acq: 12 Aug 2025 20:42

Instrument :

BNA_N

ClientSampleId :

ICVBN081225



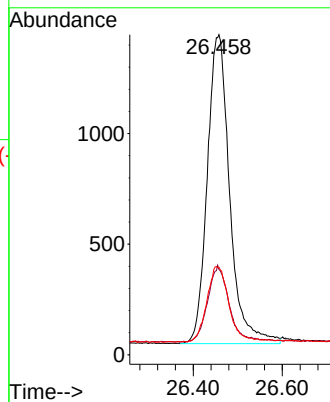
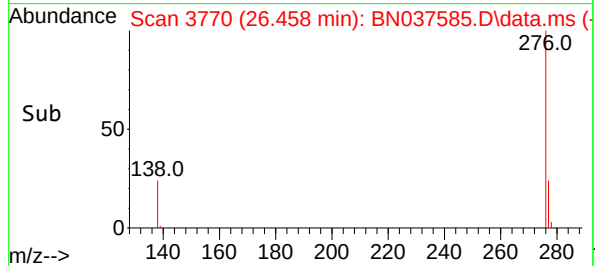
Tgt Ion:276 Resp: 4888

Ion Ratio Lower Upper

276 100

277 26.7 21.0 31.4

138 27.3 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037585.D
 Acq On : 12 Aug 2025 20:42
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN081225

Quant Time: Aug 13 05:03:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 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	88	0.00
2	1,4-Dioxane	0.383	0.481	-25.6#	107	0.00
3	n-Nitrosodimethylamine	0.489	0.570	-16.6	103	0.00
4 S	2-Fluorophenol	0.907	0.965	-6.4	96	0.00
5 S	Phenol-d6	1.091	1.228	-12.6	103	0.00
6	bis(2-Chloroethyl)ether	0.983	1.077	-9.6	97	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
8 S	Nitrobenzene-d5	0.282	0.312	-10.6	104	0.00
9	Naphthalene	1.065	1.104	-3.7	94	0.00
10	Hexachlorobutadiene	0.260	0.279	-7.3	93	0.00
11 SURR	2-Methylnaphthalene-d10	0.544	0.578	-6.2	100	0.00
12	2-Methylnaphthalene	0.668	0.622	6.9	86	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
14 S	2,4,6-Tribromophenol	0.175	0.160	8.6	90	0.00
15 S	2-Fluorobiphenyl	2.313	2.564	-10.9	99	0.00
16	Acenaphthylene	1.793	2.010	-12.1	104	0.00
17	Acenaphthene	1.220	1.235	-1.2	93	0.00
18	Fluorene	1.596	1.603	-0.4	93	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
20	4,6-Dinitro-2-methylphenol	0.053	0.046	13.2	90	0.00
21	4-Bromophenyl-phenylether	0.251	0.251	0.0	97	0.00
22	Hexachlorobenzene	0.356	0.373	-4.8	95	0.00
23	Atrazine	0.142	0.149	-4.9	104	0.00
24	Pentachlorophenol	0.125	0.106	15.2	85	0.00
25	Phenanthrene	1.216	1.230	-1.2	95	0.00
26	Anthracene	1.077	1.082	-0.5	99	0.00
27 SURR	Fluoranthene-d10	1.052	1.066	-1.3	101	0.00
28	Fluoranthene	1.397	1.336	4.4	93	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
30	Pyrene	1.495	1.481	0.9	94	0.00
31 S	Terphenyl-d14	0.823	0.971	-18.0	113	0.00
32	Benzo(a)anthracene	1.336	1.374	-2.8	101	0.00
33	Chrysene	1.489	1.508	-1.3	98	0.00
34	Bis(2-ethylhexyl)phthalate	0.551	0.576	-4.5	102	0.00
35 I	Perylene-d12	1.000	1.000	0.0	83	0.00
36	Indeno(1,2,3-cd)pyrene	1.686	1.727	-2.4	89	0.00
37	Benzo(b)fluoranthene	1.516	1.550	-2.2	97	0.00
38	Benzo(k)fluoranthene	1.710	1.727	-1.0	87	0.00
39 C	Benzo(a)pyrene	1.257	1.364	-8.5	99	0.00
40	Dibenzo(a,h)anthracene	1.308	1.310	-0.2	89	0.00
41	Benzo(g,h,i)perylene	1.378	1.401	-1.7	93	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN081225

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
 Data File : BN037585.D
 Acq On : 12 Aug 2025 20:42
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN081225

Quant Time: Aug 13 05:03:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 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	88	0.00
2	1,4-Dioxane	0.400	0.502	-25.5#	107	0.00
3	n-Nitrosodimethylamine	0.400	0.466	-16.5	103	0.00
4 S	2-Fluorophenol	0.400	0.426	-6.5	96	0.00
5 S	Phenol-d6	0.400	0.450	-12.5	103	0.00
6	bis(2-Chloroethyl)ether	0.400	0.438	-9.5	97	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	88	0.00
8 S	Nitrobenzene-d5	0.400	0.443	-10.7	104	0.00
9	Naphthalene	0.400	0.415	-3.7	94	0.00
10	Hexachlorobutadiene	0.400	0.429	-7.2	93	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.425	-6.2	100	0.00
12	2-Methylnaphthalene	0.400	0.372	7.0	86	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	88	0.00
14 S	2,4,6-Tribromophenol	0.400	0.365	8.8	90	0.00
15 S	2-Fluorobiphenyl	0.400	0.443	-10.7	99	0.00
16	Acenaphthylene	0.400	0.448	-12.0	104	0.00
17	Acenaphthene	0.400	0.405	-1.3	93	0.00
18	Fluorene	0.400	0.402	-0.5	93	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	91	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.433	-8.2	90	0.00
21	4-Bromophenyl-phenylether	0.400	0.400	0.0	97	0.00
22	Hexachlorobenzene	0.400	0.419	-4.7	95	0.00
23	Atrazine	0.400	0.420	-5.0	104	0.00
24	Pentachlorophenol	0.400	0.339	15.3	85	0.00
25	Phenanthrene	0.400	0.404	-1.0	95	0.00
26	Anthracene	0.400	0.402	-0.5	99	0.00
27 SURR	Fluoranthene-d10	0.400	0.405	-1.3	101	0.00
28	Fluoranthene	0.400	0.382	4.5	93	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	93	0.00
30	Pyrene	0.400	0.396	1.0	94	0.00
31 S	Terphenyl-d14	0.400	0.472	-18.0	113	0.00
32	Benzo(a)anthracene	0.400	0.411	-2.7	101	0.00
33	Chrysene	0.400	0.405	-1.3	98	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.418	-4.5	102	0.00
35 I	Perylene-d12	0.400	0.400	0.0	83	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.410	-2.5	89	0.00
37	Benzo(b)fluoranthene	0.400	0.409	-2.2	97	0.00
38	Benzo(k)fluoranthene	0.400	0.404	-1.0	87	0.00
39 C	Benzo(a)pyrene	0.400	0.434	-8.5	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.401	-0.3	89	0.00
41	Benzo(g,h,i)perylene	0.400	0.407	-1.7	93	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN081225



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q2869
 Instrument ID: BNA_N Calibration Date/Time: 08/19/2025 10:39
 Lab File ID: BN037600.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.498		-8.5	20.0
Fluoranthene-d10	1.052	0.957		-9.0	20.0
2-Fluorophenol	0.907	0.907		0.0	20.0
Phenol-d6	1.091	1.078		-1.2	20.0
Nitrobenzene-d5	0.282	0.275		-2.5	20.0
2-Fluorobiphenyl	2.313	2.186		-5.5	20.0
2,4,6-Tribromophenol	0.175	0.169		-3.4	20.0
Terphenyl-d14	0.823	0.796		-3.3	20.0
1,4-Dioxane	0.383	0.406		6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037600.D
 Acq On : 19 Aug 2025 10:39
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Aug 20 01:24:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

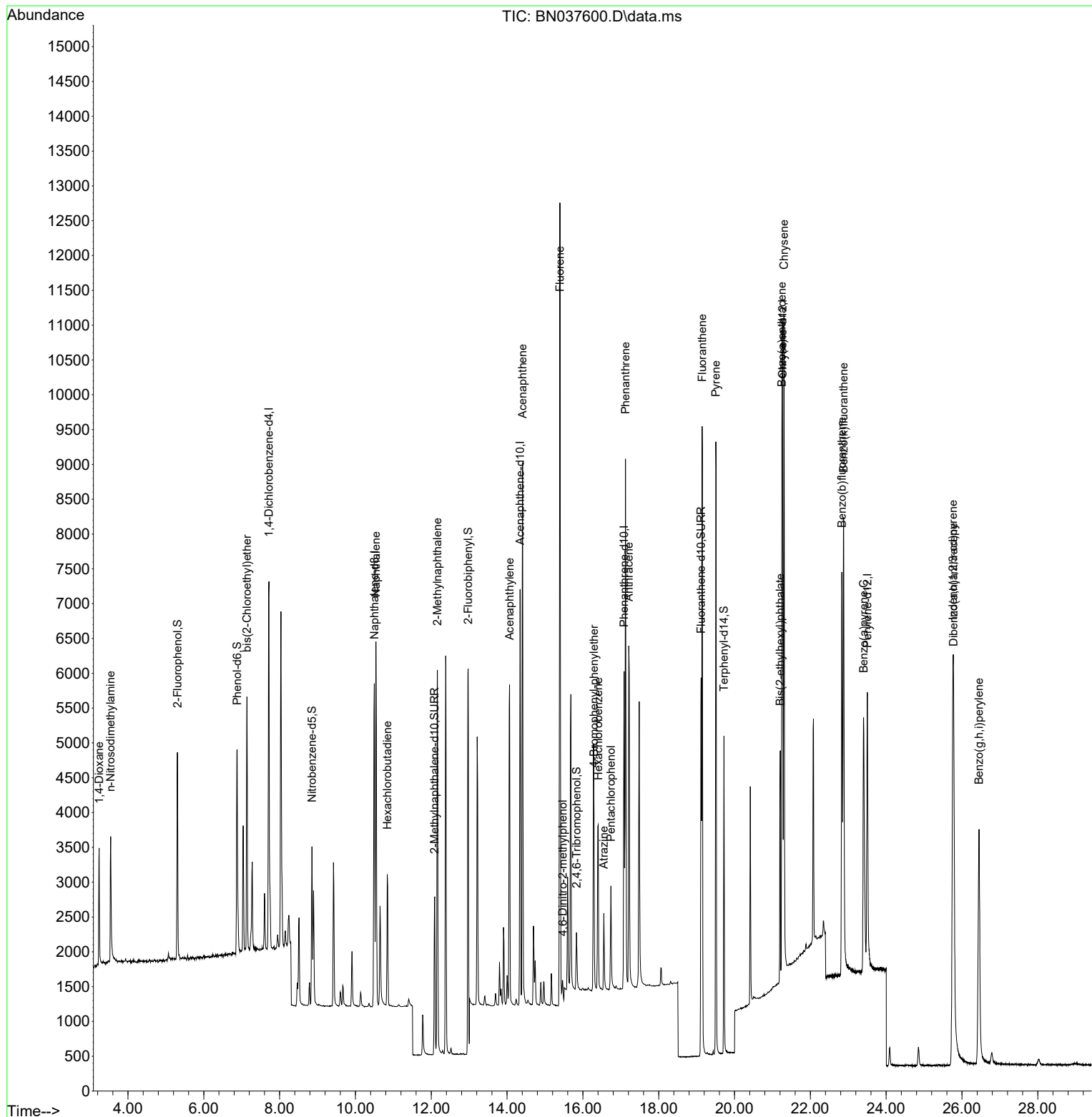
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2628	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	6457	0.400	ng	# 0.00
13) Acenaphthene-d10	14.344	164	3216	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	6293	0.400	ng	0.00
29) Chrysene-d12	21.267	240	5356	0.400	ng	# 0.00
35) Perylene-d12	23.504	264	5379	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.304	112	2384	0.400	ng	0.00
5) Phenol-d6	6.879	99	2834	0.395	ng	0.00
8) Nitrobenzene-d5	8.853	82	1778	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	3215	0.366	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	542	0.385	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	7030	0.378	ng	0.00
27) Fluoranthene-d10	19.117	212	6023	0.364	ng	0.00
31) Terphenyl-d14	19.721	244	4265	0.387	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	1066	0.424	ng	98
3) n-Nitrosodimethylamine	3.542	42	1257	0.391	ng	# 93
6) bis(2-Chloroethyl)ether	7.139	93	2636	0.408	ng	98
9) Naphthalene	10.540	128	6800	0.396	ng	99
10) Hexachlorobutadiene	10.839	225	1625	0.387	ng	# 100
12) 2-Methylnaphthalene	12.161	142	4129	0.383	ng	98
16) Acenaphthylene	14.066	152	5461	0.379	ng	100
17) Acenaphthene	14.408	154	3757	0.383	ng	99
18) Fluorene	15.392	166	4853	0.378	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	277	0.423	ng	97
21) 4-Bromophenyl-phenylether	16.292	248	1480	0.374	ng	# 92
22) Hexachlorobenzene	16.403	284	2223	0.397	ng	99
23) Atrazine	16.552	200	882	0.394	ng	95
24) Pentachlorophenol	16.738	266	775	0.394	ng	97
25) Phenanthrene	17.123	178	7452	0.390	ng	100
26) Anthracene	17.210	178	6342	0.374	ng	99
28) Fluoranthene	19.145	202	8237	0.375	ng	99
30) Pyrene	19.508	202	8114	0.405	ng	100
32) Benzo(a)anthracene	21.250	228	6833	0.382	ng	98
33) Chrysene	21.303	228	8075	0.405	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	2987	0.405	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	8634	0.381	ng	98
37) Benzo(b)fluoranthene	22.832	252	7289	0.358	ng	99
38) Benzo(k)fluoranthene	22.876	252	8761	0.381	ng	99
39) Benzo(a)pyrene	23.405	252	6262	0.370	ng	99
40) Dibenzo(a,h)anthracene	25.779	278	6490	0.369	ng	99
41) Benzo(g,h,i)perylene	26.448	276	7193	0.388	ng	99

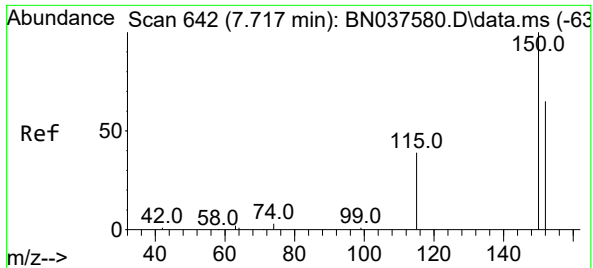
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Data File : BN037600.D
Acq On : 19 Aug 2025 10:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Aug 20 01:24:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

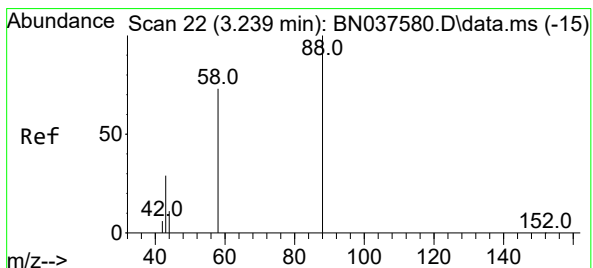
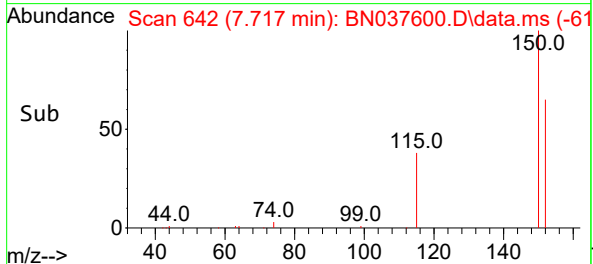
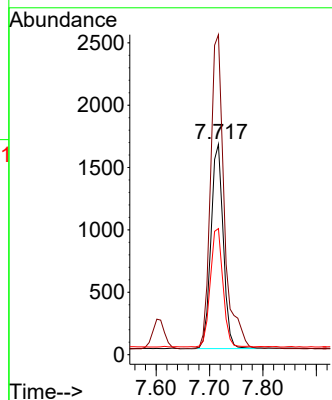
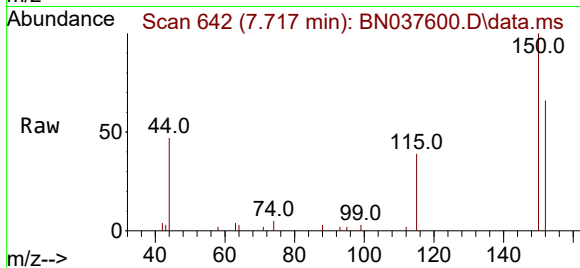




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

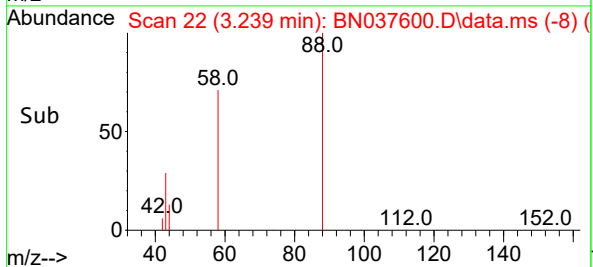
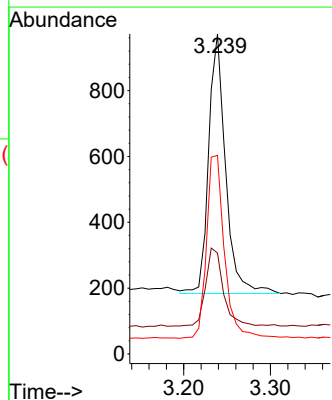
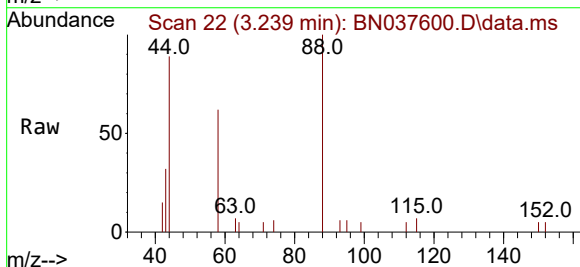
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

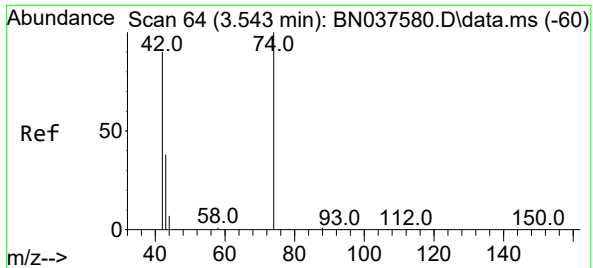
Tgt Ion:152 Resp: 2628
Ion Ratio Lower Upper
152 100
150 152.1 122.2 183.4
115 59.9 49.8 74.6



#2
1,4-Dioxane
Concen: 0.424 ng
RT: 3.239 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion: 88 Resp: 1066
Ion Ratio Lower Upper
88 100
43 31.4 25.8 38.6
58 74.8 61.2 91.8

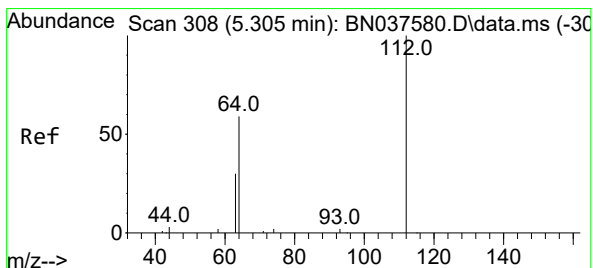
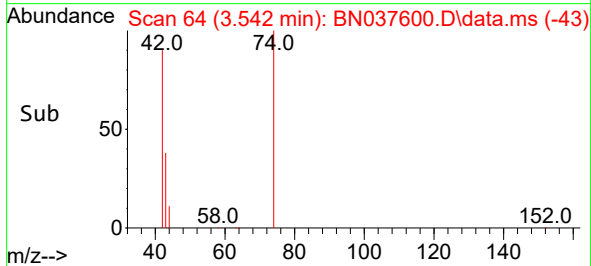
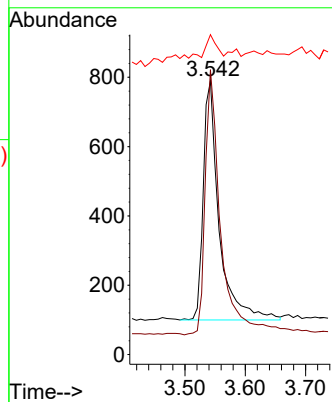
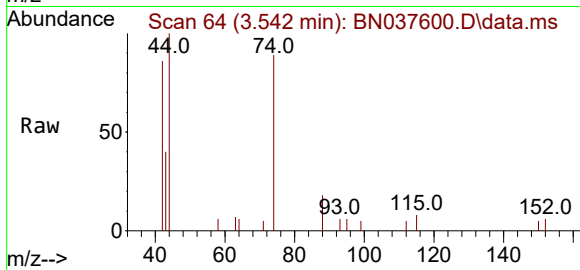




#3
 n-Nitrosodimethylamine
 Concen: 0.391 ng
 RT: 3.542 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: BN037600.D
 Acq: 19 Aug 2025 10:39

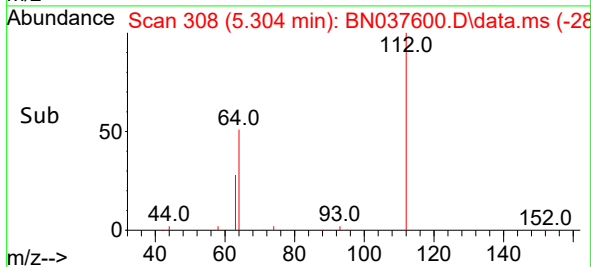
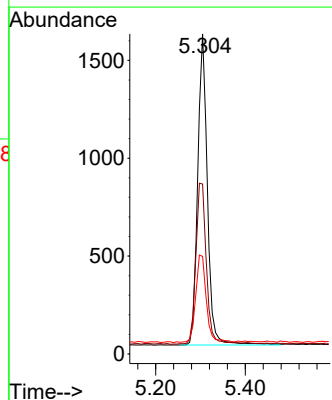
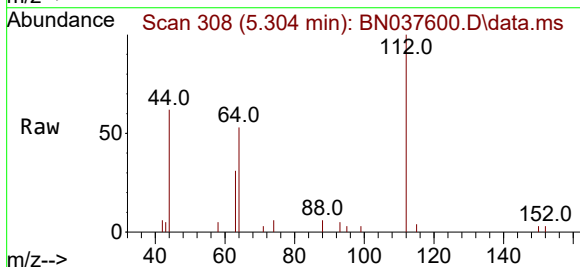
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

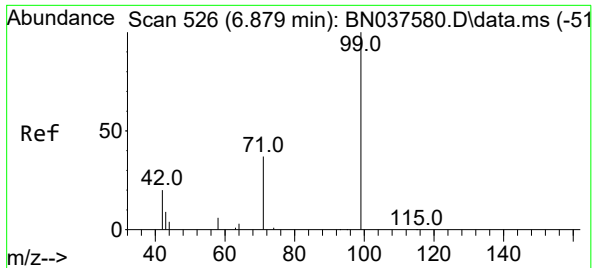
Tgt Ion: 42 Resp: 1257
 Ion Ratio Lower Upper
 42 100
 74 109.4 82.0 123.0
 44 6.0 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.400 ng
 RT: 5.304 min Scan# 308
 Delta R.T. -0.000 min
 Lab File: BN037600.D
 Acq: 19 Aug 2025 10:39

Tgt Ion: 112 Resp: 2384
 Ion Ratio Lower Upper
 112 100
 64 55.9 44.9 67.3
 63 31.0 23.4 35.2

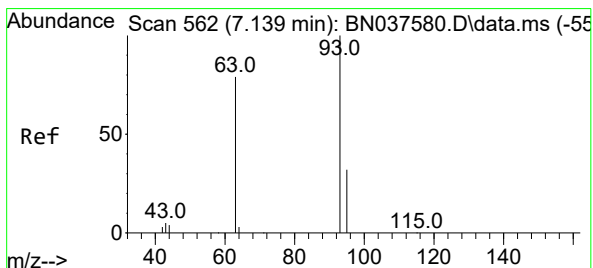
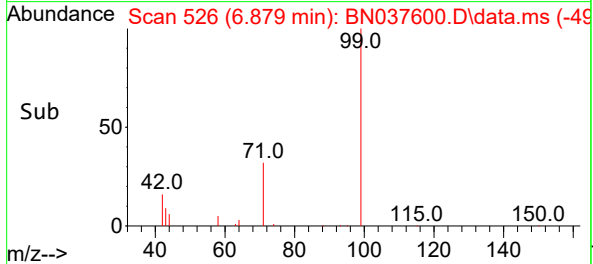
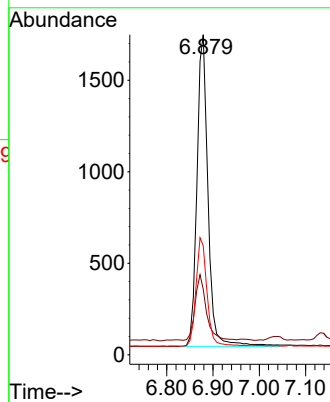
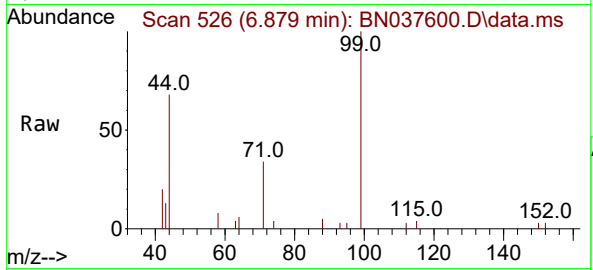




#5
Phenol-d6
Concen: 0.395 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

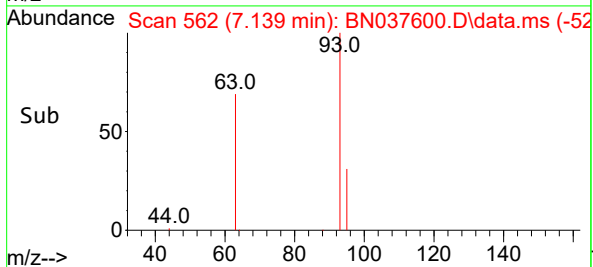
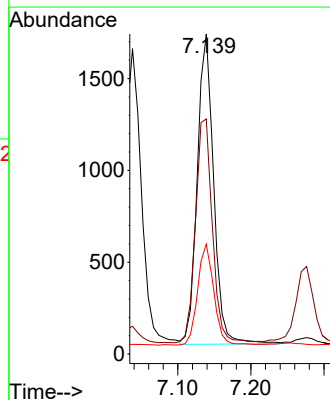
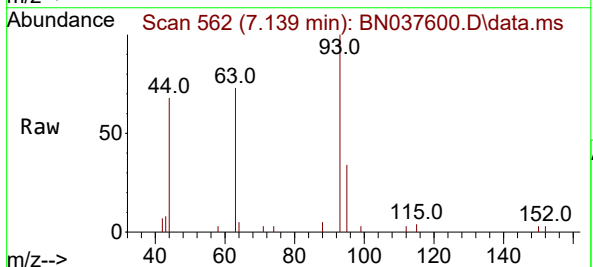
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

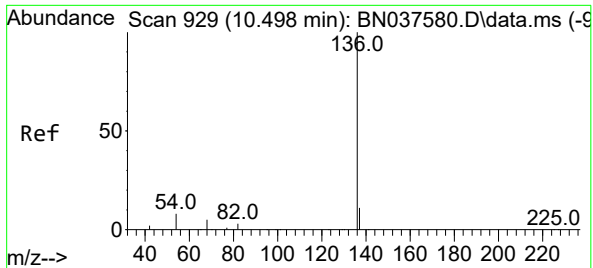
Tgt Ion: 99 Resp: 2834
Ion Ratio Lower Upper
99 100
42 21.3 18.5 27.7
71 34.5 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 0.408 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion: 93 Resp: 2636
Ion Ratio Lower Upper
93 100
63 73.9 58.0 87.0
95 32.0 24.9 37.3

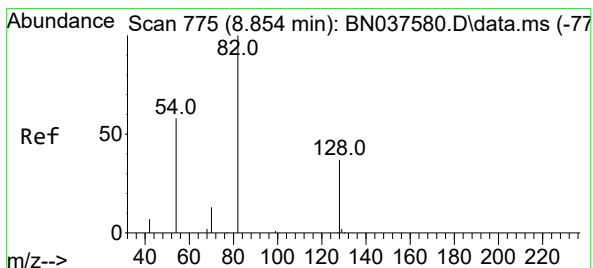
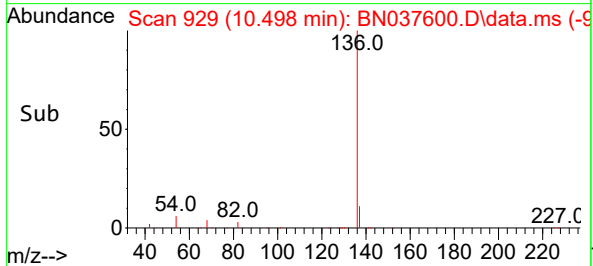
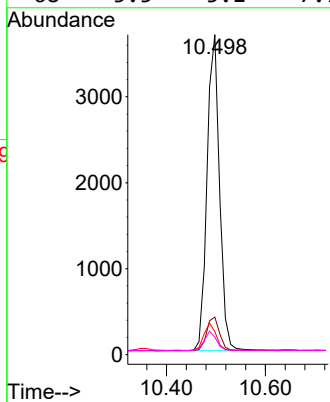
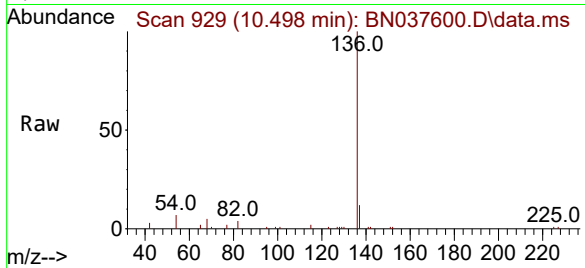




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

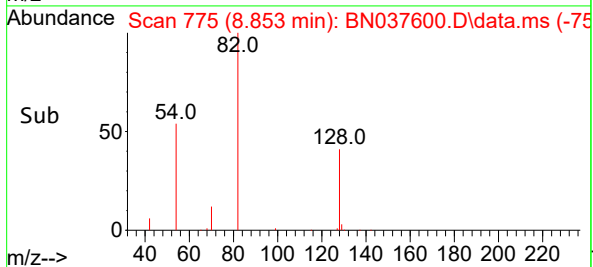
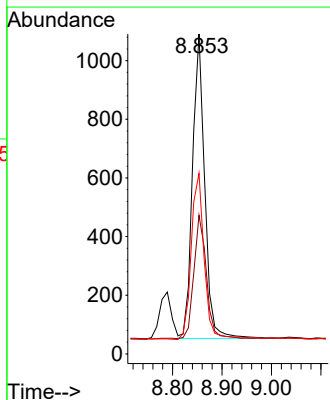
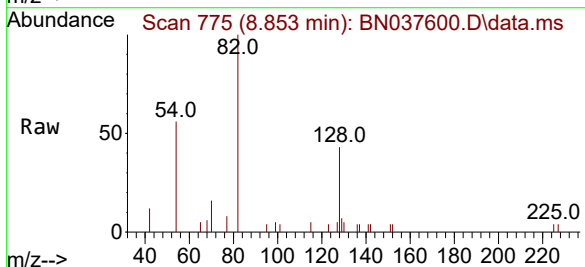
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BNA_N
ClientSampleId :
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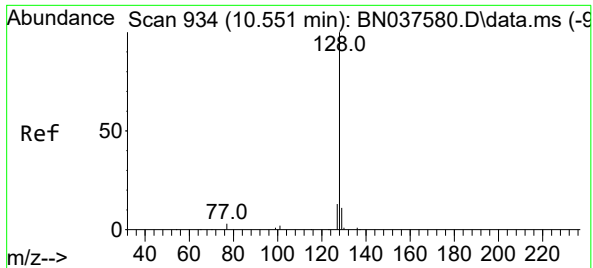
Tgt Ion:136 Resp: 6457
Ion Ratio Lower Upper
136 100
137 11.7 9.5 14.3
54 7.2 7.3 10.9#
68 5.5 5.1 7.7



#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.853 min Scan# 775
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion: 82 Resp: 1778
Ion Ratio Lower Upper
82 100
128 43.4 32.6 48.8
54 56.5 48.9 73.3

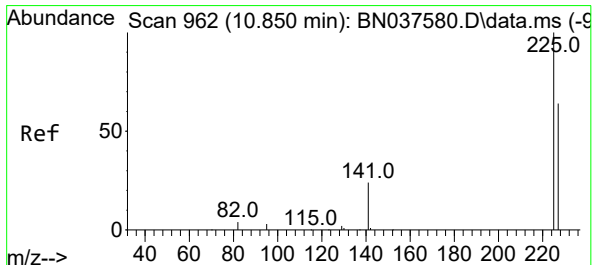
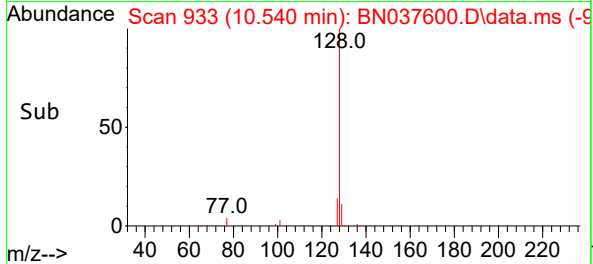
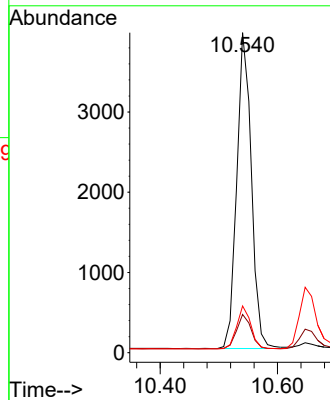
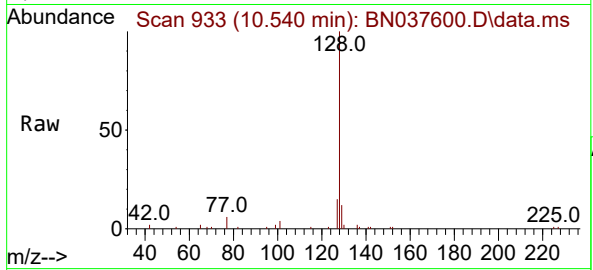




#9
Naphthalene
Concen: 0.396 ng
RT: 10.540 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

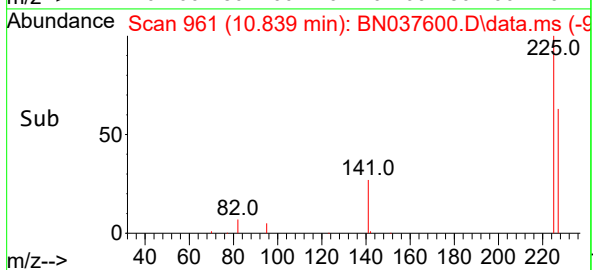
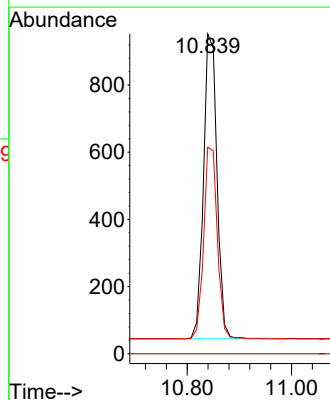
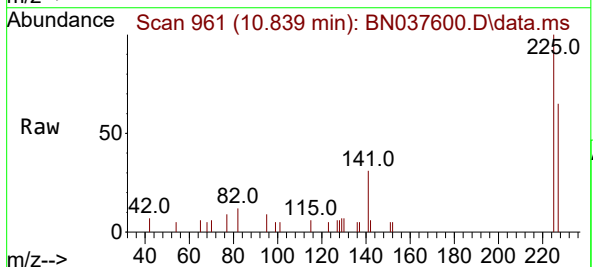
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BNA_N
ClientSampleId :
SSTDCCC0.4

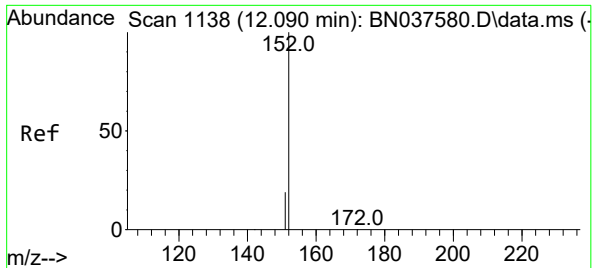
Tgt Ion:128 Resp: 6800
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 14.6 11.5 17.3



#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.839 min Scan# 961
Delta R.T. -0.011 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:225 Resp: 1625
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.3 50.8 76.2

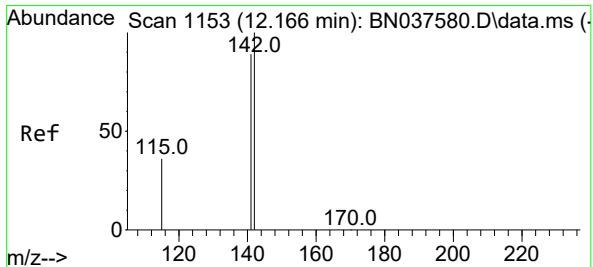
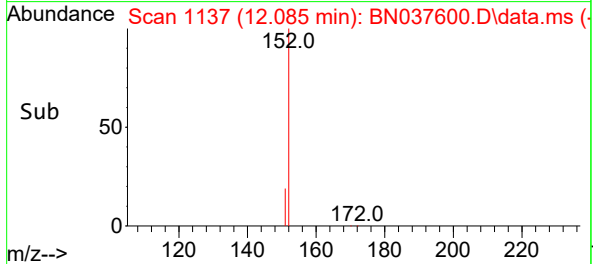
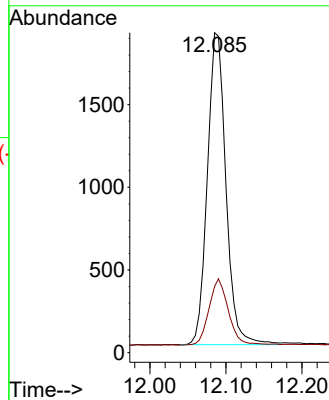
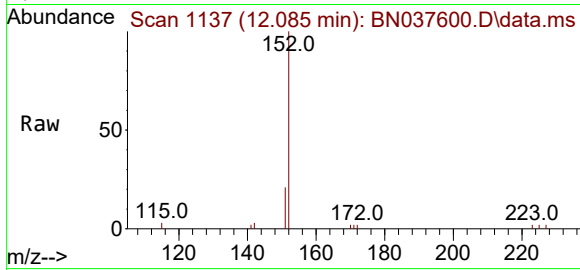




#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

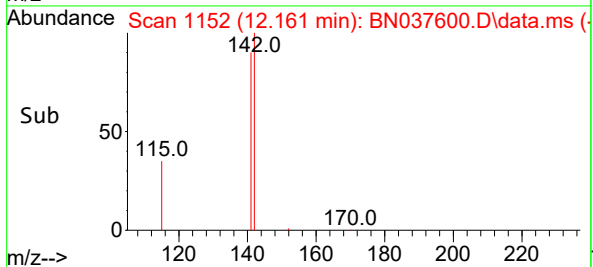
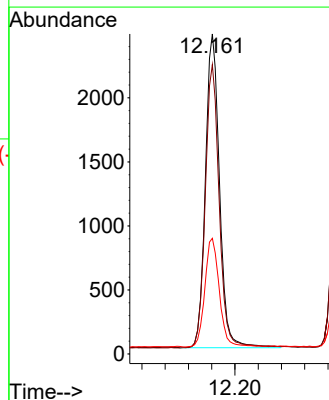
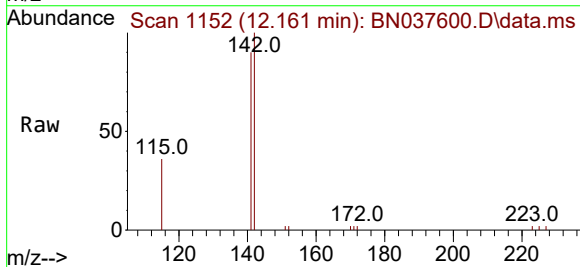
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

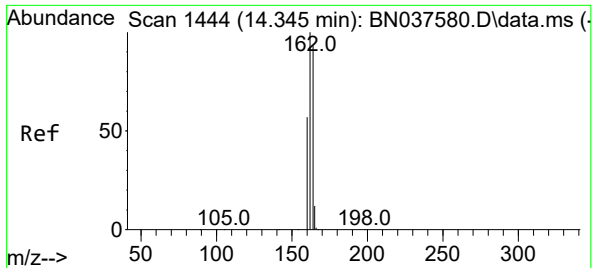
Tgt Ion:152 Resp: 3215
Ion Ratio Lower Upper
152 100
151 22.1 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.161 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:142 Resp: 4129
Ion Ratio Lower Upper
142 100
141 90.4 71.4 107.0
115 36.2 30.2 45.4

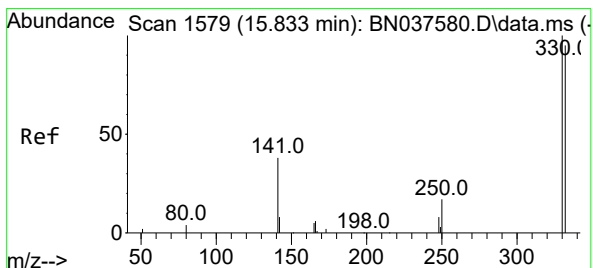
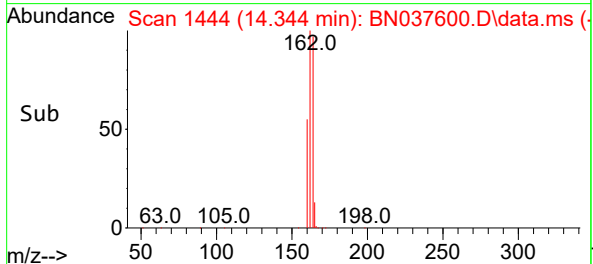
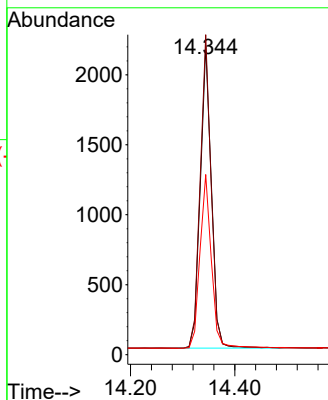
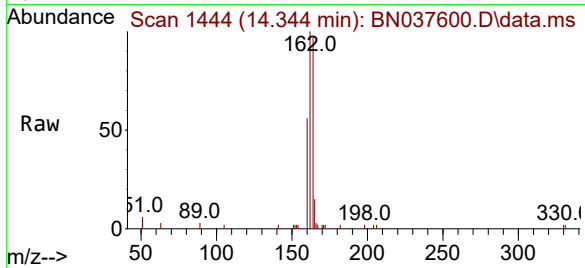




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.344 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

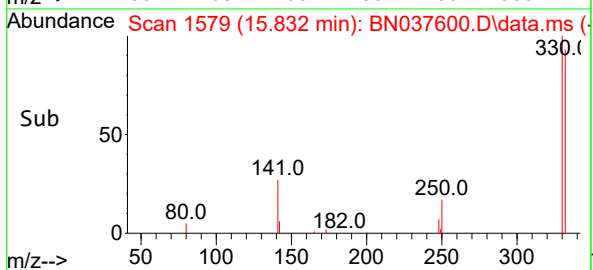
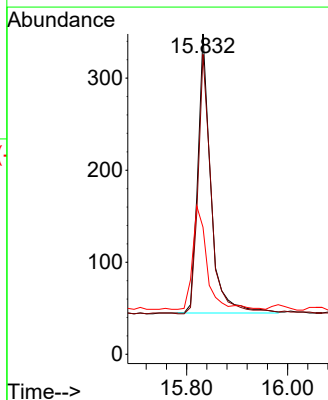
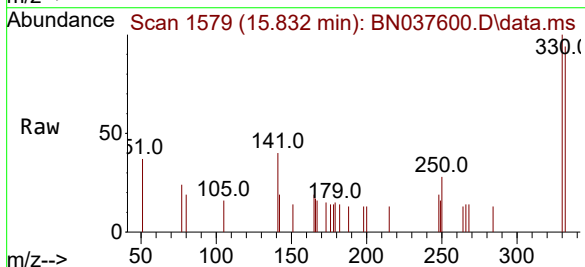
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

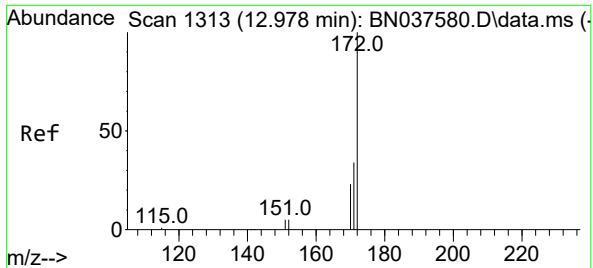
Tgt Ion:164 Resp: 3216
Ion Ratio Lower Upper
164 100
162 103.5 85.5 128.3
160 58.2 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.832 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:330 Resp: 542
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.0
141 40.6 30.9 46.3

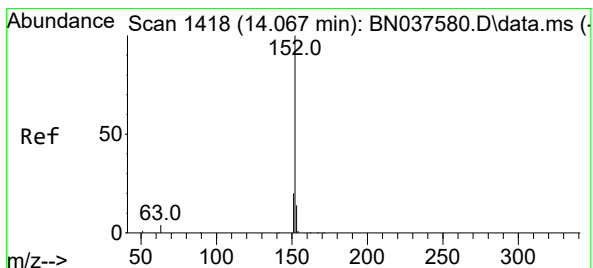
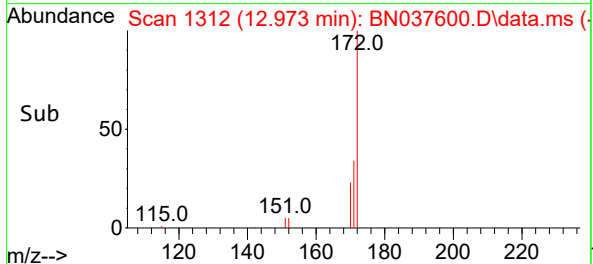
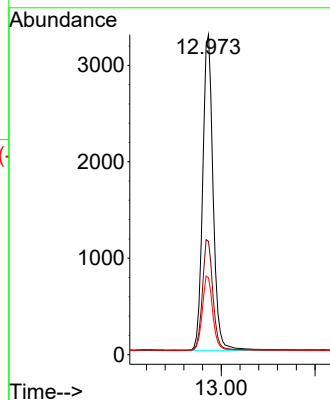
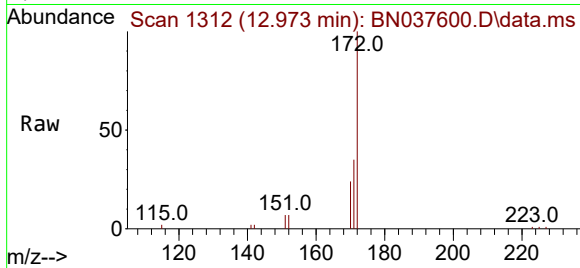




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

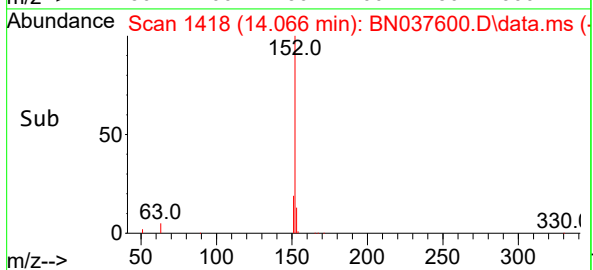
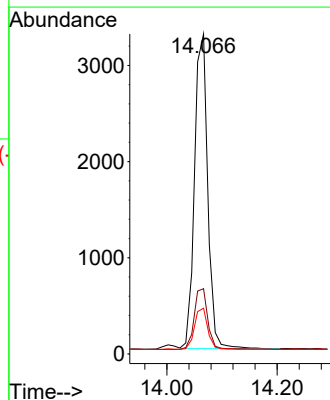
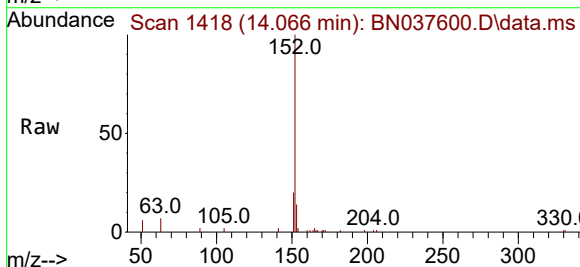
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

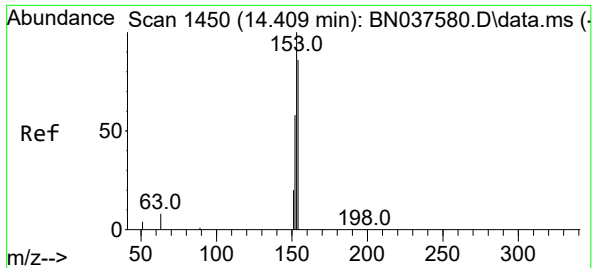
Tgt Ion:172 Resp: 7030
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 24.1 19.2 28.8



#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.066 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:152 Resp: 5461
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.3 10.7 16.1

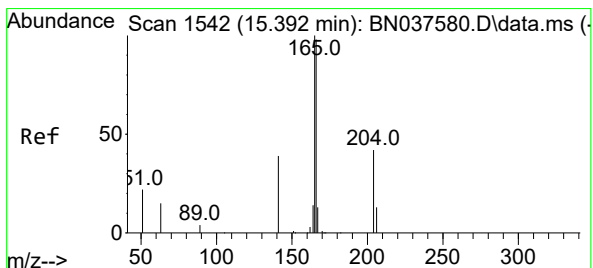
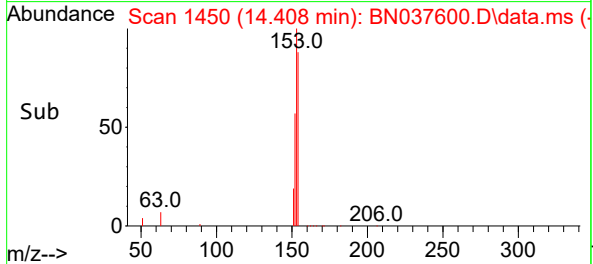
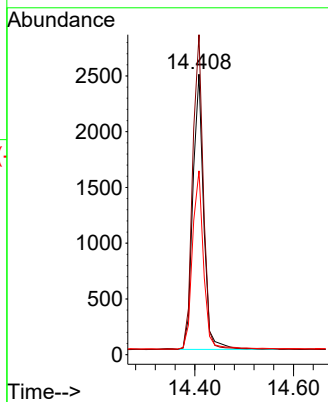
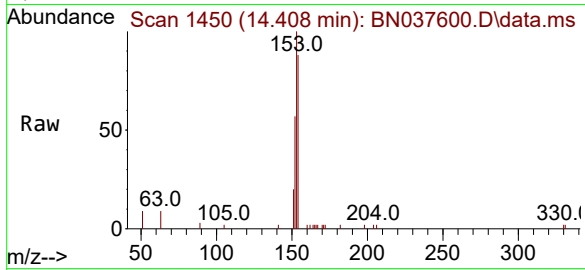




#17
Acenaphthene
Concen: 0.383 ng
RT: 14.408 min Scan# 1450
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

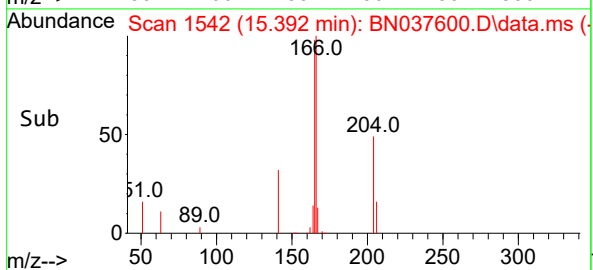
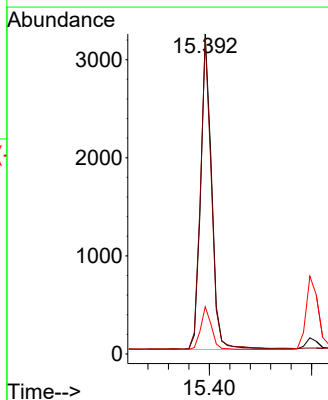
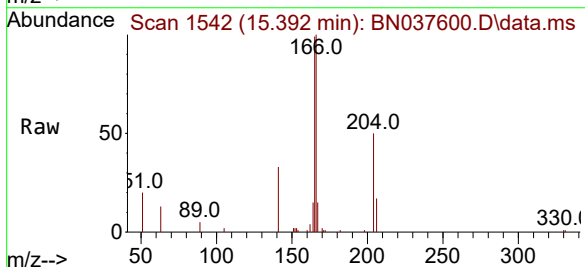
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

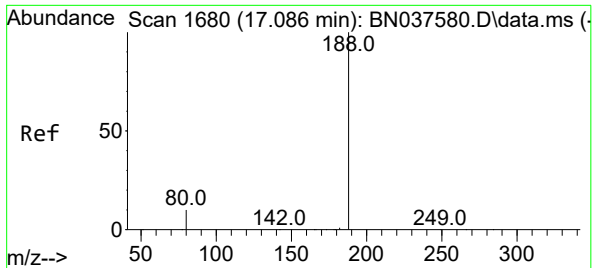
Tgt Ion:154 Resp: 3757
Ion Ratio Lower Upper
154 100
153 113.2 90.6 135.8
152 66.7 54.9 82.3



#18
Fluorene
Concen: 0.378 ng
RT: 15.392 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:166 Resp: 4853
Ion Ratio Lower Upper
166 100
165 97.2 78.9 118.3
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

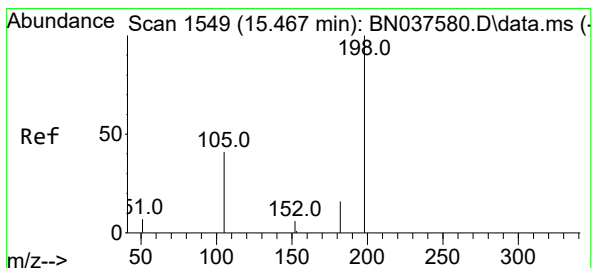
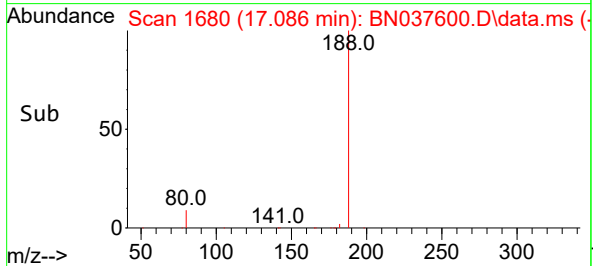
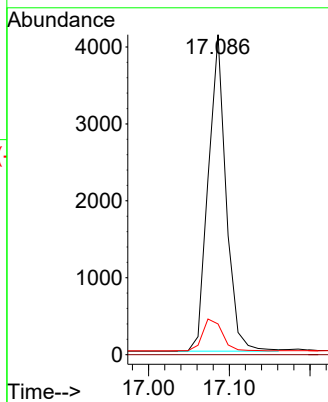
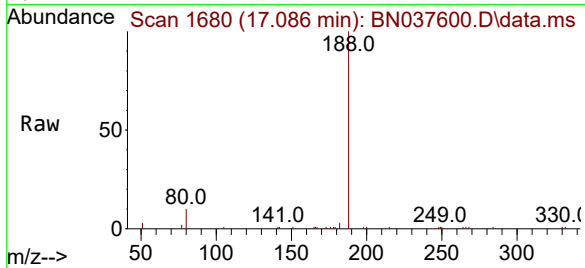
Tgt Ion:188 Resp: 6293

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.423 ng

RT: 15.467 min Scan# 1549

Delta R.T. -0.000 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

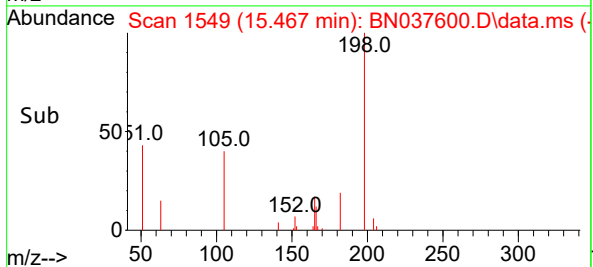
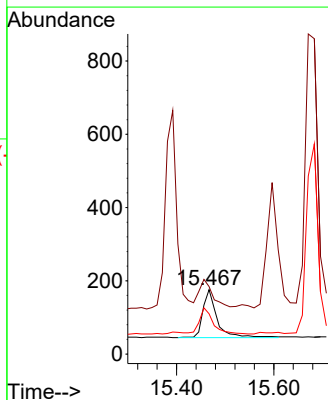
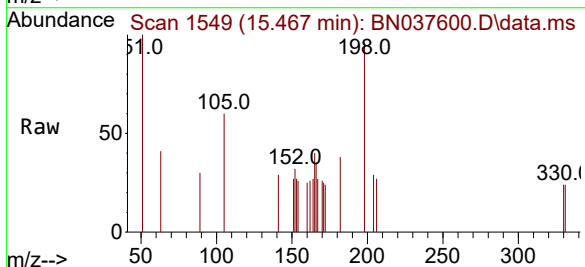
Tgt Ion:198 Resp: 277

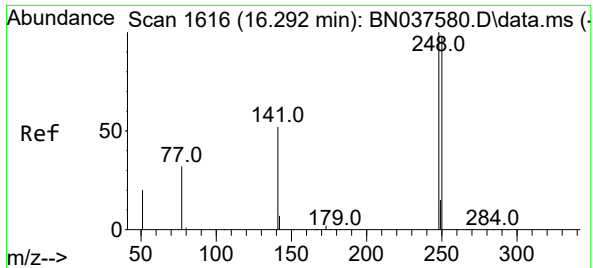
Ion Ratio Lower Upper

198 100

51 104.5 81.0 121.6

105 62.5 52.5 78.7

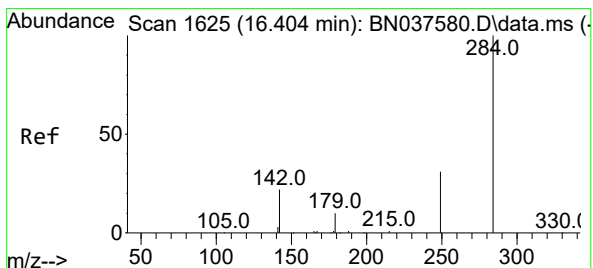
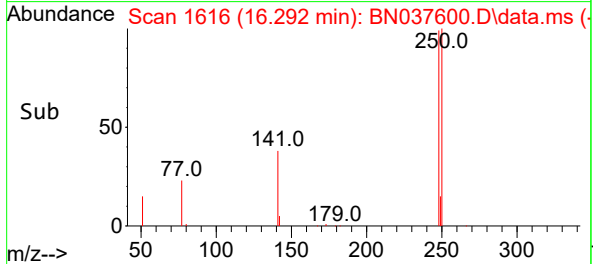
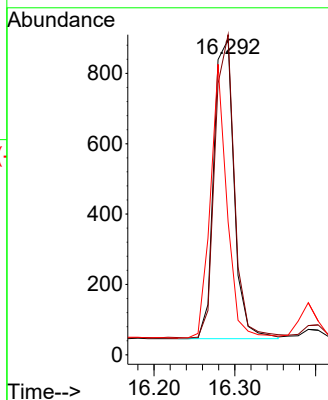
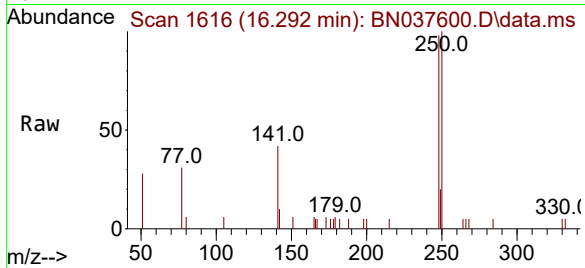




#21
4-Bromophenyl-phenylether
Concen: 0.374 ng
RT: 16.292 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

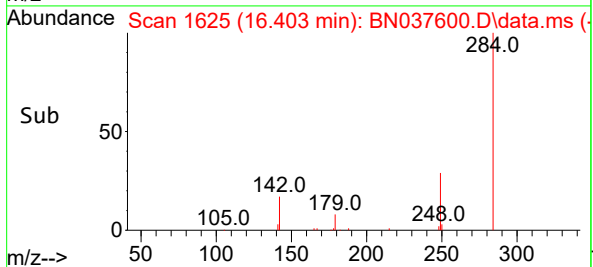
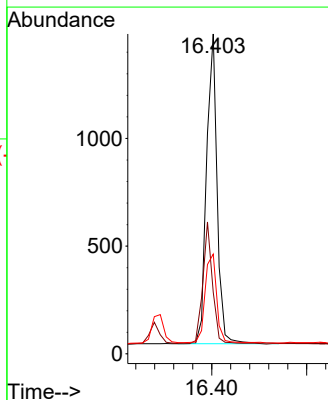
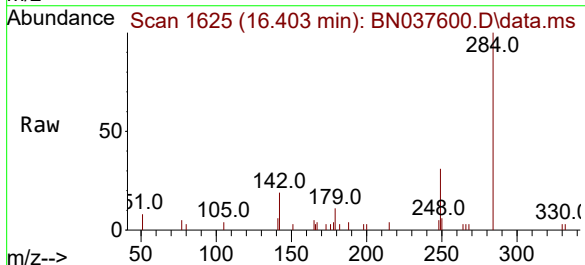
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

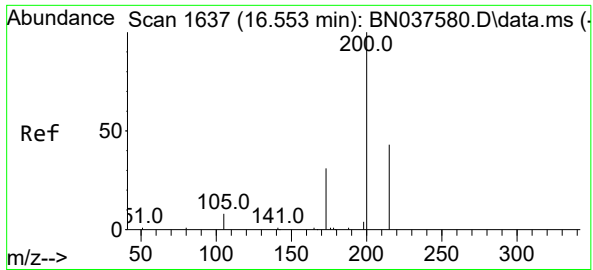
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.6	118.0
141	42.2	43.7	65.5#



#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.403 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.6	29.8	44.6
249	32.0	26.0	39.0

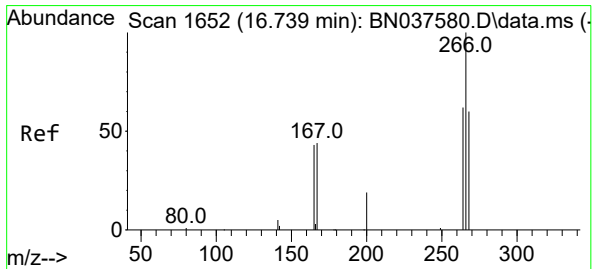
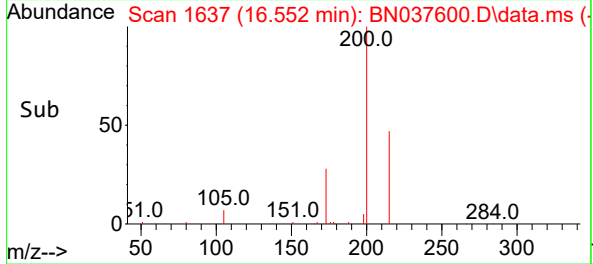
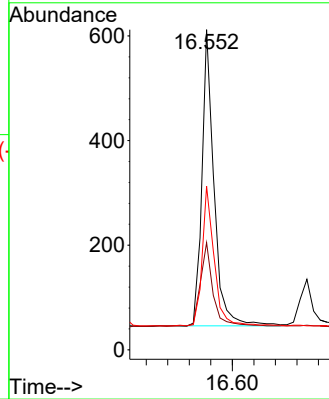
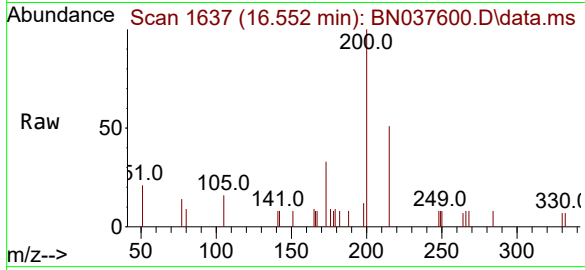




#23
Atrazine
Concen: 0.394 ng
RT: 16.552 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

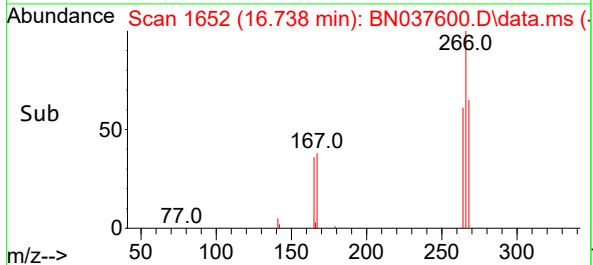
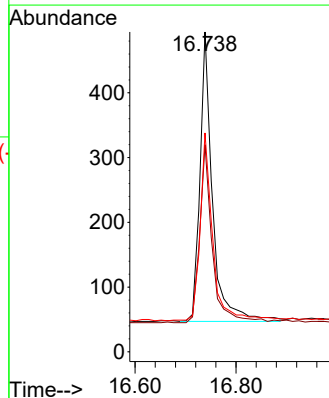
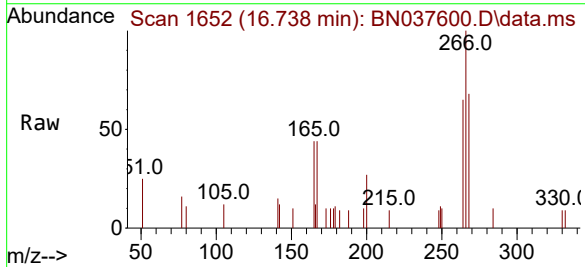
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

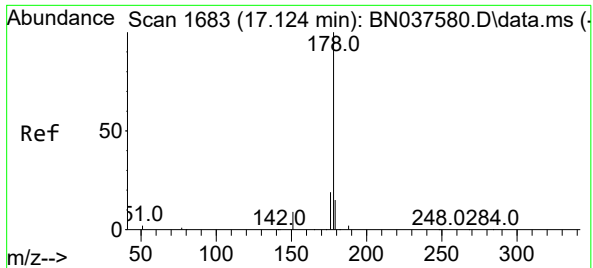
Tgt Ion	Ratio	Lower	Upper
200	100		
173	33.5	31.0	46.4
215	51.1	39.4	59.0



#24
Pentachlorophenol
Concen: 0.394 ng
RT: 16.738 min Scan# 1652
Delta R.T. -0.001 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.6	74.4
268	65.7	49.2	73.8

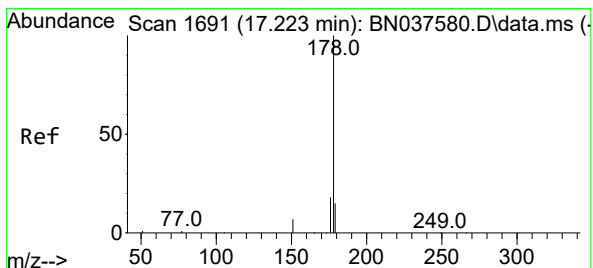
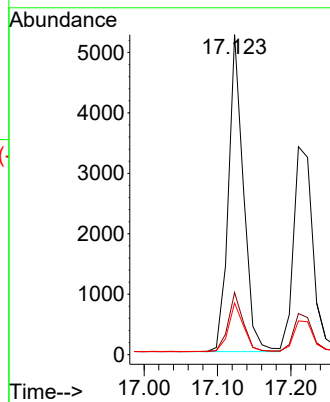
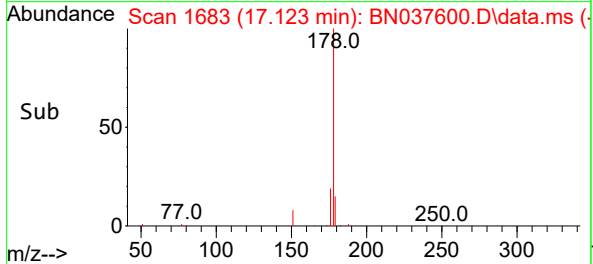
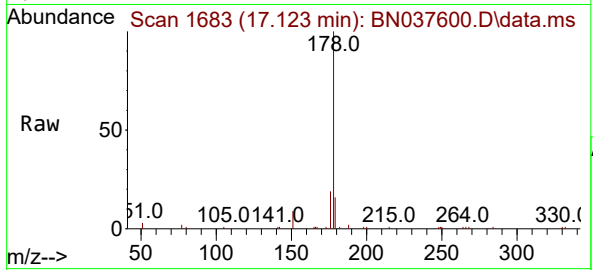




#25
Phenanthrene
Concen: 0.390 ng
RT: 17.123 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

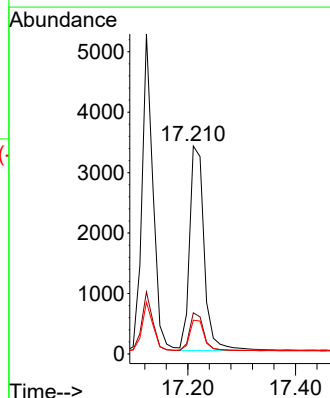
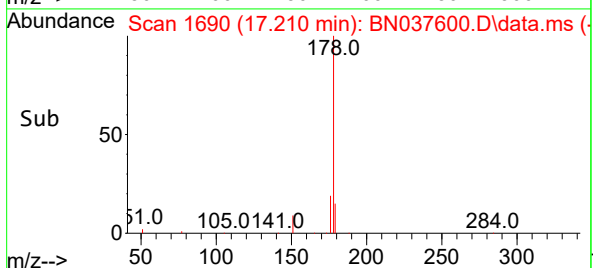
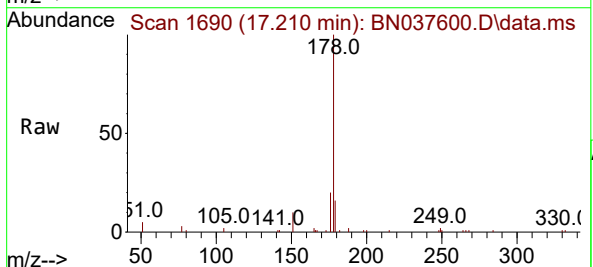
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

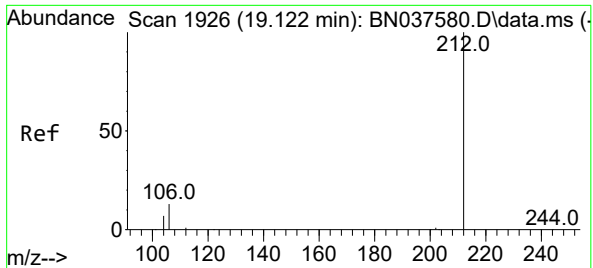
Tgt Ion:178 Resp: 7452
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.3 12.3 18.5



#26
Anthracene
Concen: 0.374 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion:178 Resp: 6342
Ion Ratio Lower Upper
178 100
176 18.0 14.7 22.1
179 14.9 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.117 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

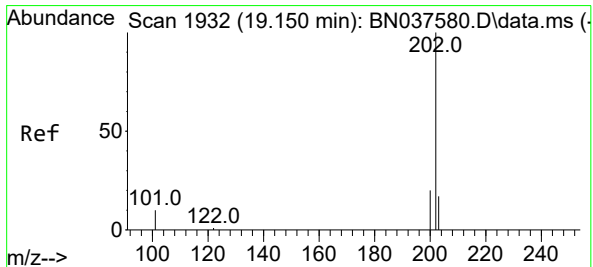
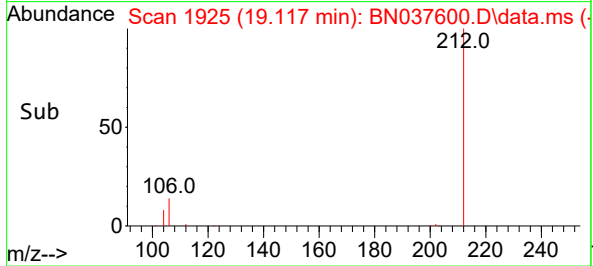
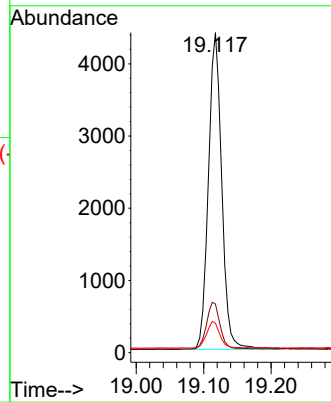
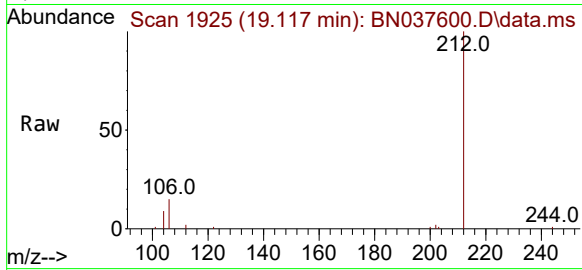
Tgt Ion:212 Resp: 6023

Ion Ratio Lower Upper

212 100

106 15.0 11.5 17.3

104 8.1 6.6 9.8



#28

Fluoranthene

Concen: 0.375 ng

RT: 19.145 min Scan# 1931

Delta R.T. -0.005 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

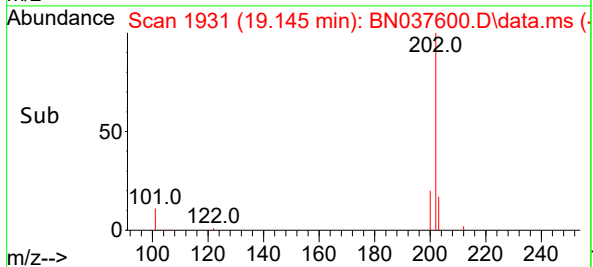
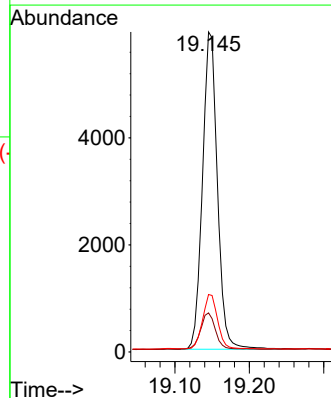
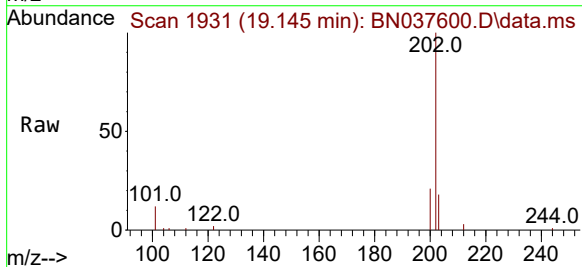
Tgt Ion:202 Resp: 8237

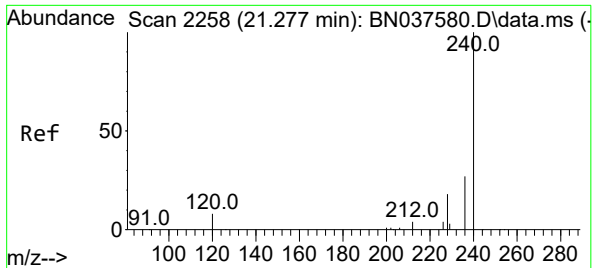
Ion Ratio Lower Upper

202 100

101 11.7 9.0 13.6

203 17.1 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.267 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

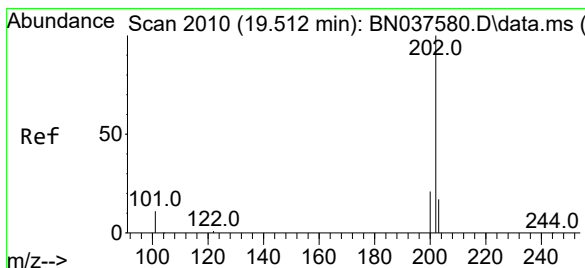
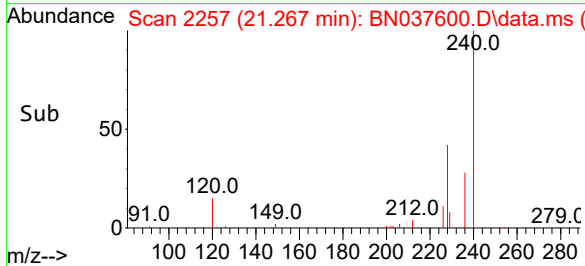
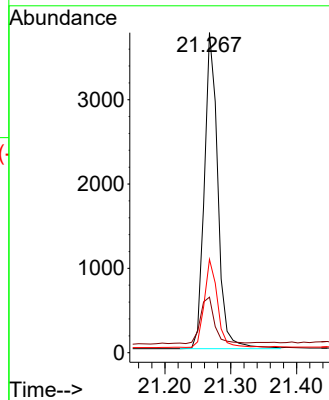
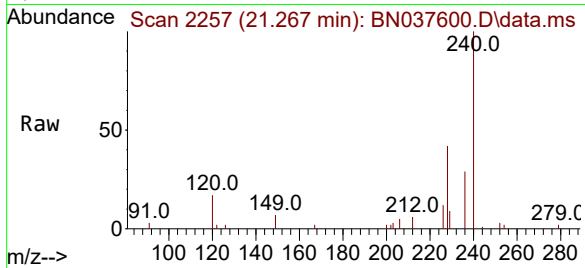
Tgt Ion:240 Resp: 5356

Ion Ratio Lower Upper

240 100

120 17.3 8.9 13.3#

236 29.1 22.6 33.8



#30

Pyrene

Concen: 0.405 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.005 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

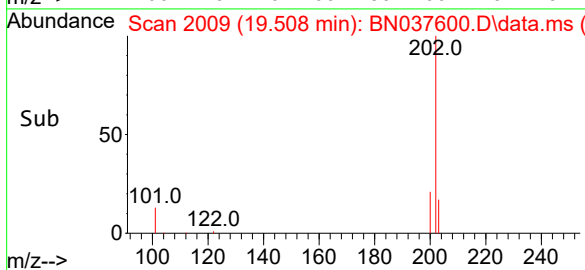
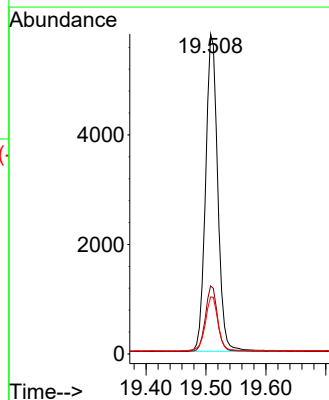
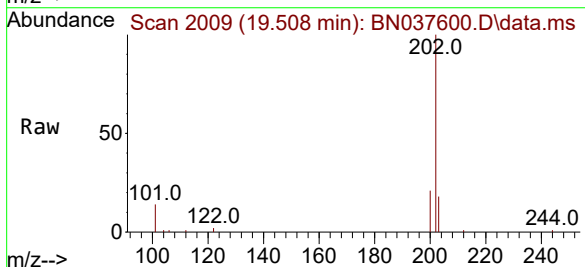
Tgt Ion:202 Resp: 8114

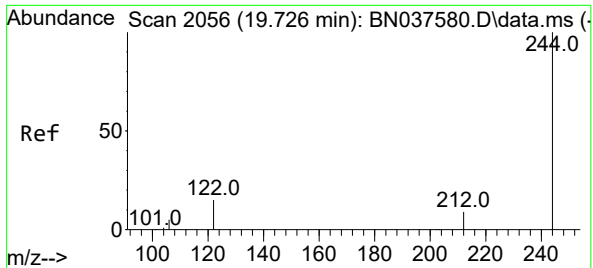
Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 17.9 14.3 21.5

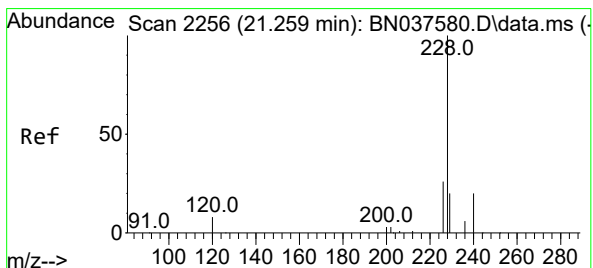
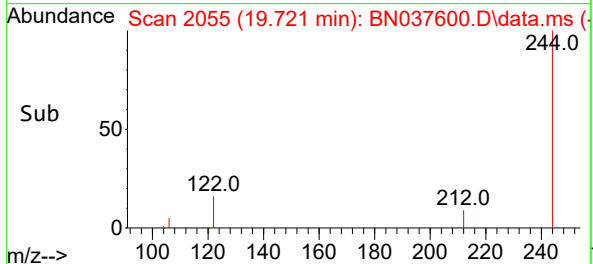
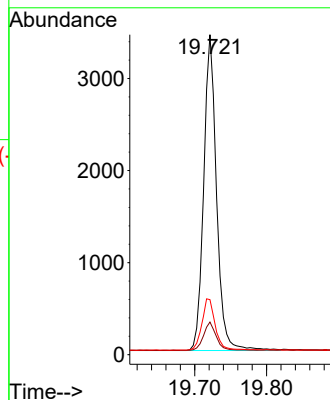
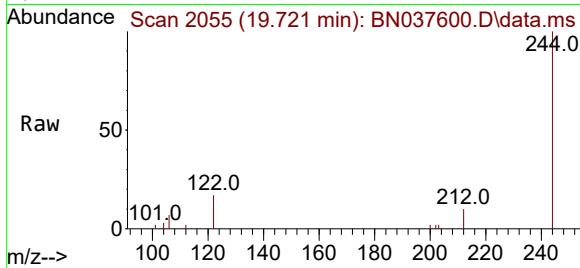




#31
Terphenyl-d14
Concen: 0.387 ng
RT: 19.721 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

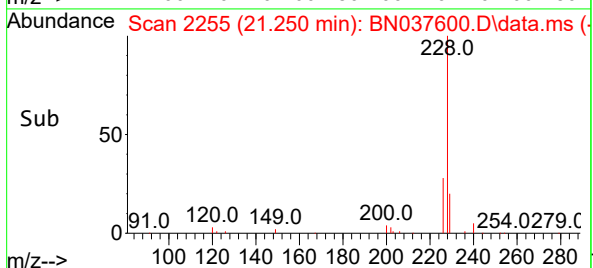
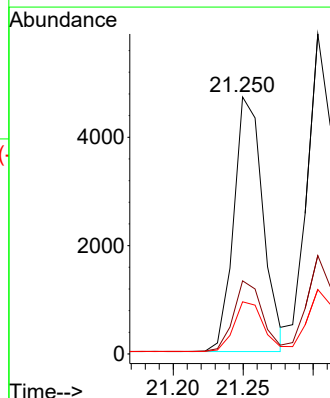
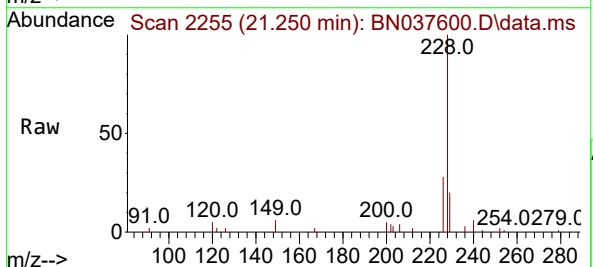
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

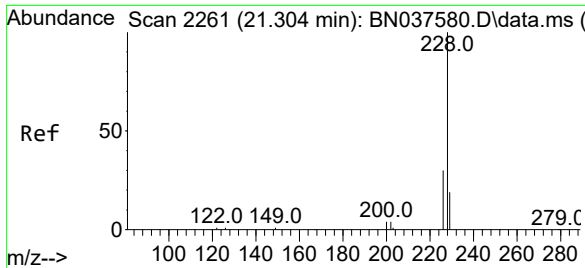
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	8.2	12.2
122	17.2	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.5	32.3
229	20.3	16.5	24.7





#33

Chrysene

Concen: 0.405 ng

RT: 21.303 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

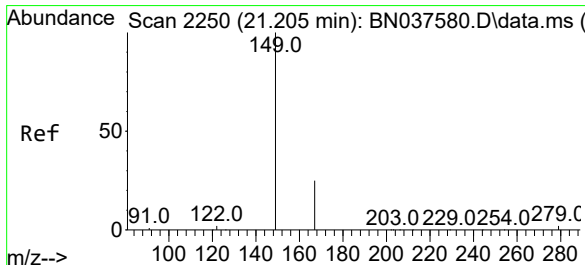
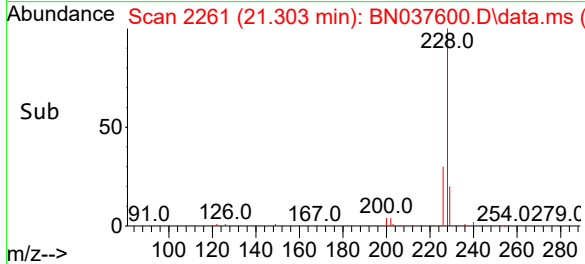
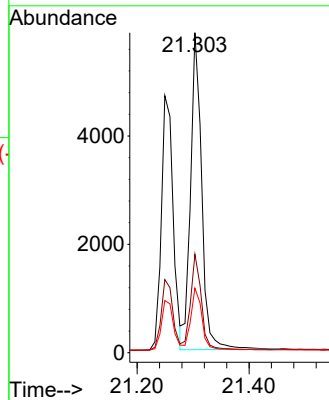
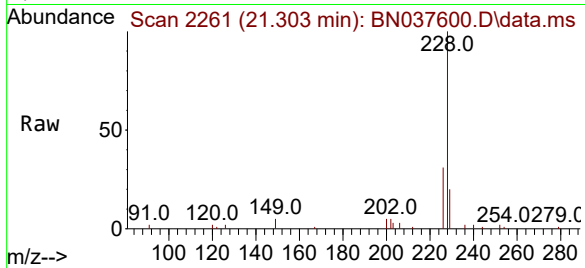
Tgt Ion:228 Resp: 8075

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

229 20.1 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.405 ng

RT: 21.205 min Scan# 2250

Delta R.T. -0.000 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

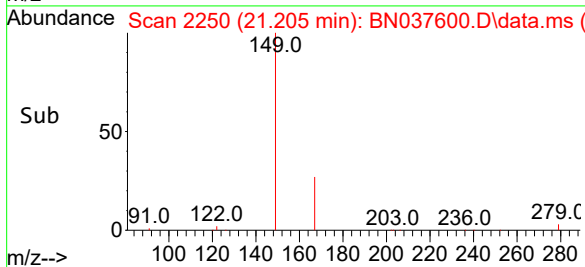
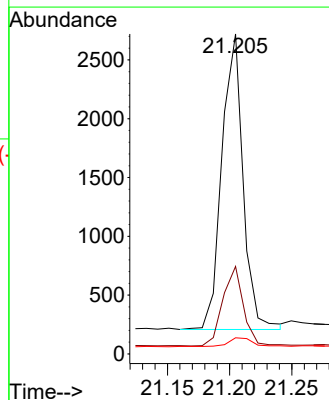
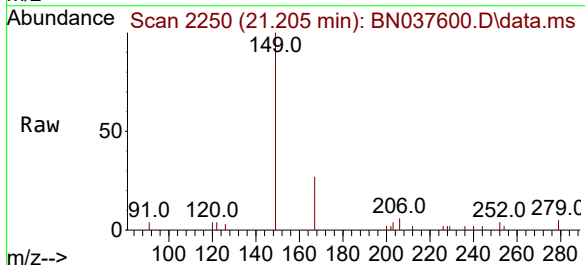
Tgt Ion:149 Resp: 2987

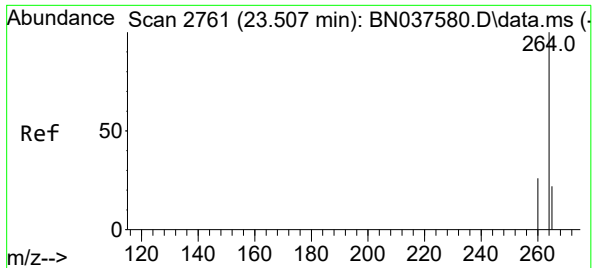
Ion Ratio Lower Upper

149 100

167 26.2 20.5 30.7

279 3.7 2.6 4.0

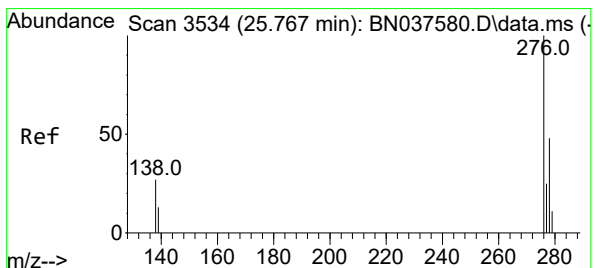
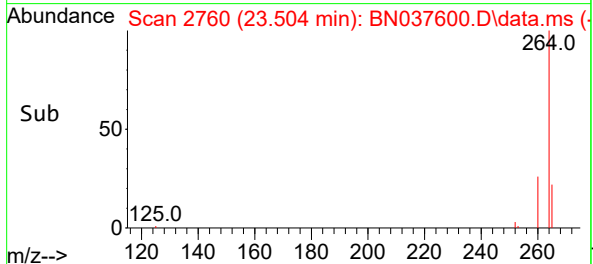
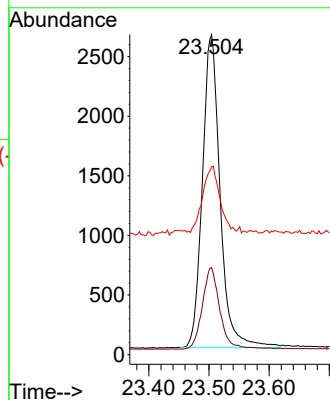
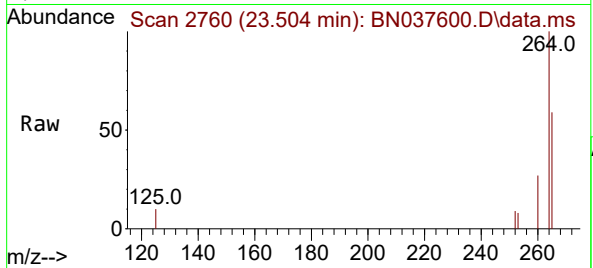




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.504 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

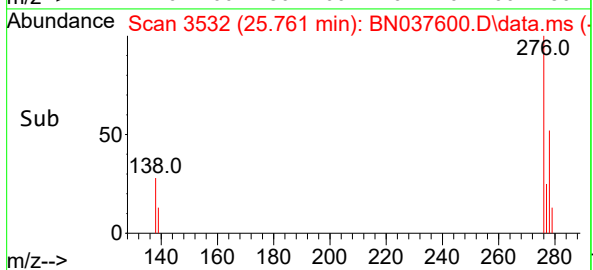
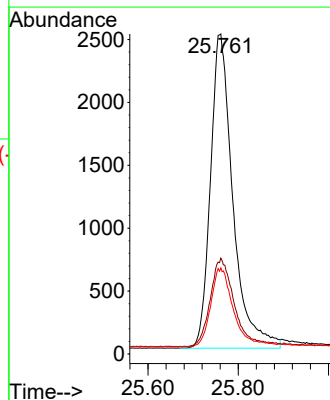
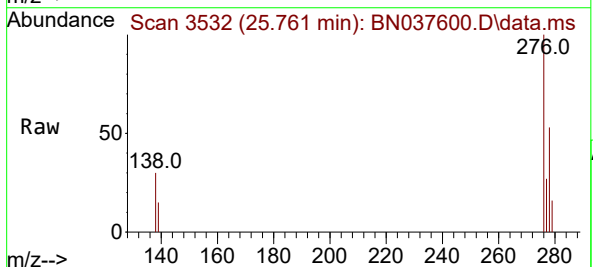
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

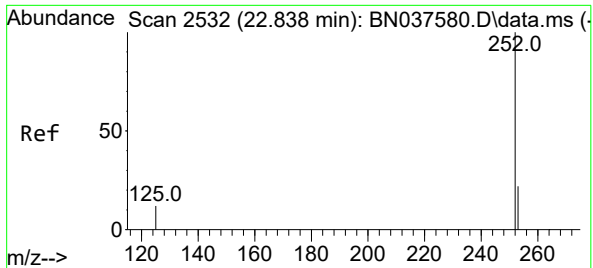
Tgt Ion	264	260	265
Resp:	5379		
Ion Ratio	100	27.2	58.7
Lower		21.6	48.2
Upper		32.4	72.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 25.761 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BN037600.D
Acq: 19 Aug 2025 10:39

Tgt Ion	276	138	277
Resp:	8634		
Ion Ratio	100	30.5	25.5
Lower		23.3	19.5
Upper		34.9	29.3





#37

Benzo(b)fluoranthene

Concen: 0.358 ng

RT: 22.832 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

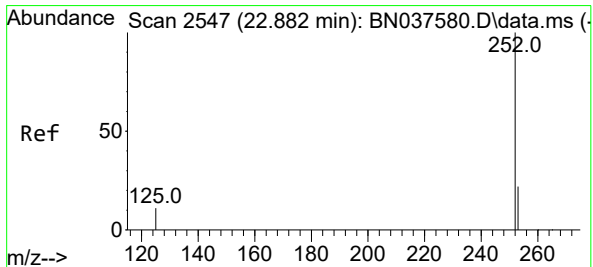
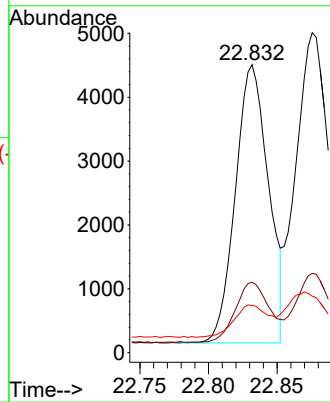
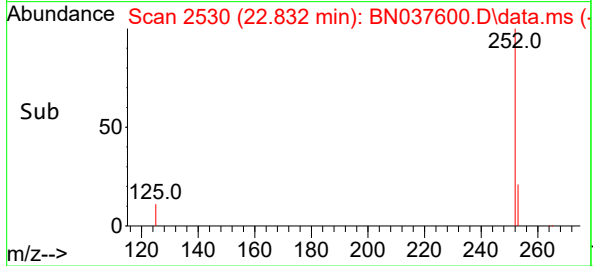
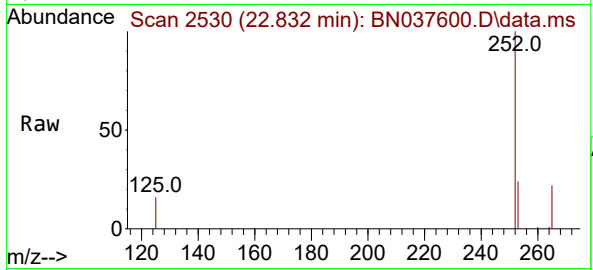
Tgt Ion:252 Resp: 7289

Ion Ratio Lower Upper

252 100

253 24.5 20.0 30.0

125 16.5 13.8 20.6



#38

Benzo(k)fluoranthene

Concen: 0.381 ng

RT: 22.876 min Scan# 2545

Delta R.T. -0.006 min

Lab File: BN037600.D

Acq: 19 Aug 2025 10:39

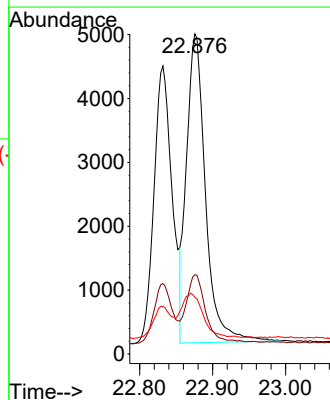
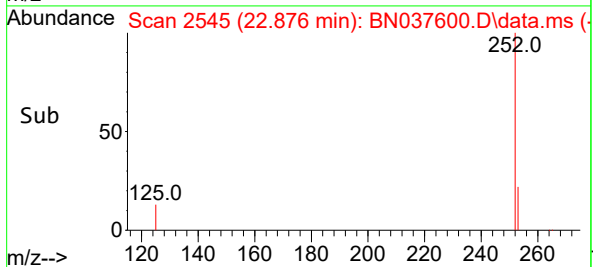
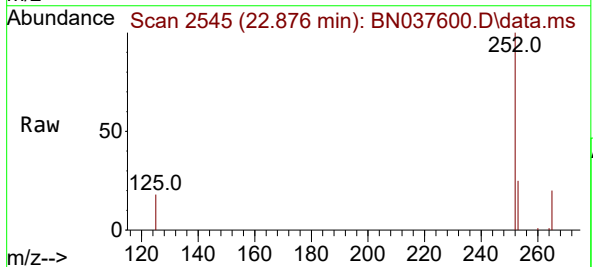
Tgt Ion:252 Resp: 8761

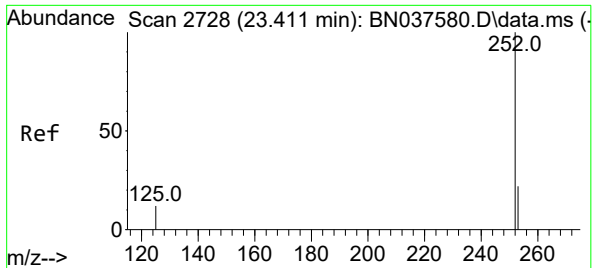
Ion Ratio Lower Upper

252 100

253 24.7 19.9 29.9

125 17.7 15.0 22.6





#39

Benzo(a)pyrene

Concen: 0.370 ng

RT: 23.405 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037600.D

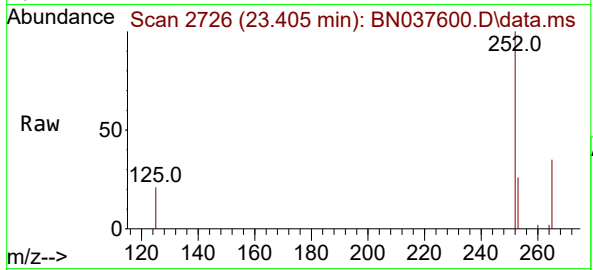
Acq: 19 Aug 2025 10:39

Instrument :

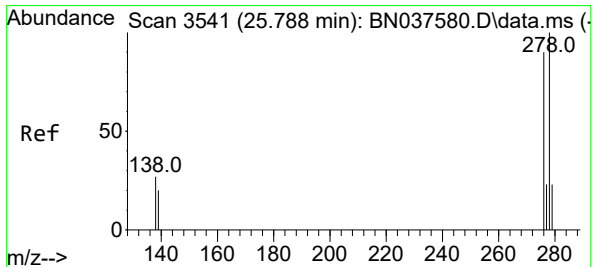
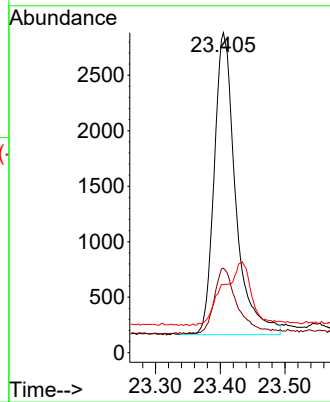
BNA_N

ClientSampleId :

SSTDCCC0.4



Tgt Ion:	252	Resp:	6262
Ion Ratio	Lower	Upper	
252	100		
253	26.4	21.6	32.4
125	21.3	16.8	25.2



#40

Dibenzo(a,h)anthracene

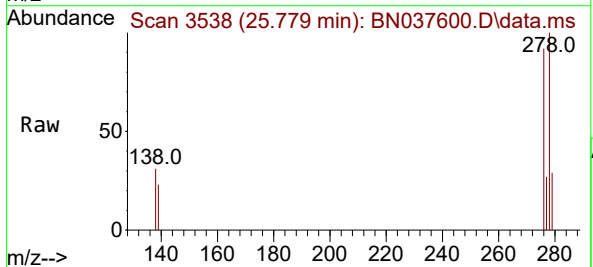
Concen: 0.369 ng

RT: 25.779 min Scan# 3538

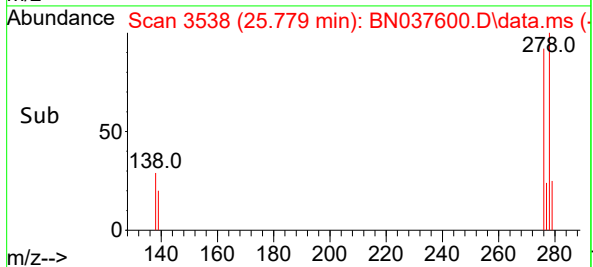
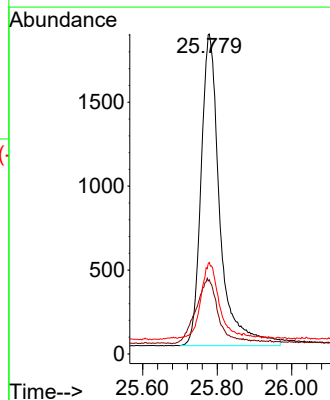
Delta R.T. -0.009 min

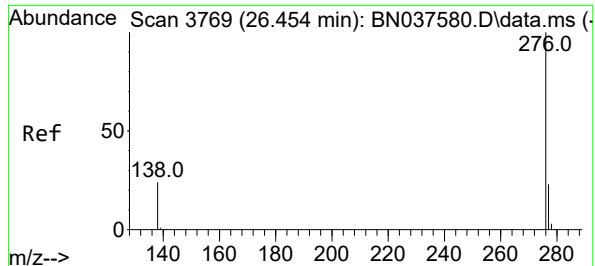
Lab File: BN037600.D

Acq: 19 Aug 2025 10:39



Tgt Ion:	278	Resp:	6490
Ion Ratio	Lower	Upper	
278	100		
139	23.2	18.3	27.5
279	28.6	22.5	33.7





#41

Benzo(g,h,i)perylene

Concen: 0.388 ng

RT: 26.448 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN037600.D

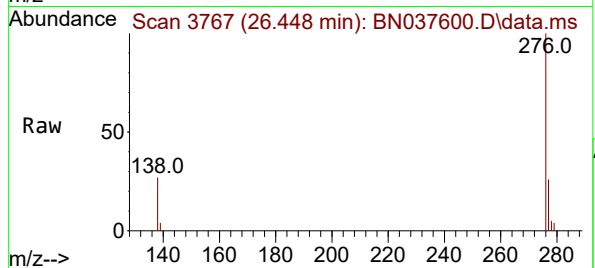
Acq: 19 Aug 2025 10:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



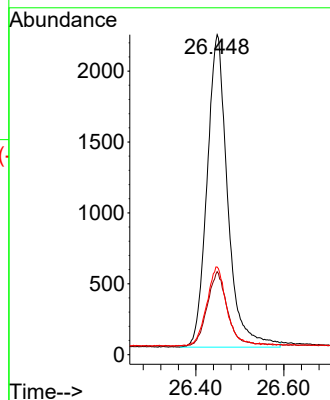
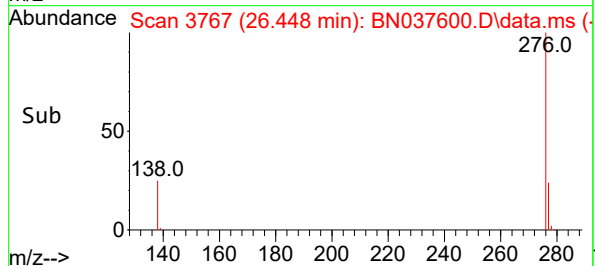
Tgt Ion:276 Resp: 7193

Ion Ratio Lower Upper

276 100

277 25.9 21.0 31.4

138 27.4 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037600.D
 Acq On : 19 Aug 2025 10:39
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Aug 20 01:24:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 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	125	0.00
2	1,4-Dioxane	0.383	0.406	-6.0	128	0.00
3	n-Nitrosodimethylamine	0.489	0.478	2.2	122	0.00
4 S	2-Fluorophenol	0.907	0.907	0.0	128	0.00
5 S	Phenol-d6	1.091	1.078	1.2	129	0.00
6	bis(2-Chloroethyl)ether	0.983	1.003	-2.0	128	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	126	0.00
8 S	Nitrobenzene-d5	0.282	0.275	2.5	132	0.00
9	Naphthalene	1.065	1.053	1.1	128	-0.01
10	Hexachlorobutadiene	0.260	0.252	3.1	121	-0.01
11 SURR	2-Methylnaphthalene-d10	0.544	0.498	8.5	123	0.00
12	2-Methylnaphthalene	0.668	0.639	4.3	127	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	127	0.00
14 S	2,4,6-Tribromophenol	0.175	0.169	3.4	137	0.00
15 S	2-Fluorobiphenyl	2.313	2.186	5.5	121	0.00
16	Acenaphthylene	1.793	1.698	5.3	126	0.00
17	Acenaphthene	1.220	1.168	4.3	127	0.00
18	Fluorene	1.596	1.509	5.5	126	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00
20	4,6-Dinitro-2-methylphenol	0.053	0.044	17.0	120	0.00
21	4-Bromophenyl-phenylether	0.251	0.235	6.4	126	0.00
22	Hexachlorobenzene	0.356	0.353	0.8	124	0.00
23	Atrazine	0.142	0.140	1.4	135	0.00
24	Pentachlorophenol	0.125	0.123	1.6	136	0.00
25	Phenanthrene	1.216	1.184	2.6	127	0.00
26	Anthracene	1.077	1.008	6.4	127	-0.01
27 SURR	Fluoranthene-d10	1.052	0.957	9.0	125	0.00
28	Fluoranthene	1.397	1.309	6.3	126	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	124	0.00
30	Pyrene	1.495	1.515	-1.3	128	0.00
31 S	Terphenyl-d14	0.823	0.796	3.3	124	0.00
32	Benzo(a)anthracene	1.336	1.276	4.5	125	0.00
33	Chrysene	1.489	1.508	-1.3	131	0.00
34	Bis(2-ethylhexyl)phthalate	0.551	0.558	-1.3	133	0.00
35 I	Perylene-d12	1.000	1.000	0.0	128	0.00
36	Indeno(1,2,3-cd)pyrene	1.686	1.605	4.8	128	0.00
37	Benzo(b)fluoranthene	1.516	1.355	10.6	130	0.00
38	Benzo(k)fluoranthene	1.710	1.629	4.7	127	0.00
39 C	Benzo(a)pyrene	1.257	1.164	7.4	130	0.00
40	Dibenzo(a,h)anthracene	1.308	1.207	7.7	127	0.00
41	Benzo(g,h,i)perylene	1.378	1.337	3.0	136	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\BN081925\
 Data File : BN037600.D
 Acq On : 19 Aug 2025 10:39
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Aug 20 01:24:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 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	125	0.00
2	1,4-Dioxane	0.400	0.424	-6.0	128	0.00
3	n-Nitrosodimethylamine	0.400	0.391	2.3	122	0.00
4 S	2-Fluorophenol	0.400	0.400	0.0	128	0.00
5 S	Phenol-d6	0.400	0.395	1.3	129	0.00
6	bis(2-Chloroethyl)ether	0.400	0.408	-2.0	128	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	126	0.00
8 S	Nitrobenzene-d5	0.400	0.391	2.3	132	0.00
9	Naphthalene	0.400	0.396	1.0	128	-0.01
10	Hexachlorobutadiene	0.400	0.387	3.3	121	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.366	8.5	123	0.00
12	2-Methylnaphthalene	0.400	0.383	4.3	127	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	127	0.00
14 S	2,4,6-Tribromophenol	0.400	0.385	3.8	137	0.00
15 S	2-Fluorobiphenyl	0.400	0.378	5.5	121	0.00
16	Acenaphthylene	0.400	0.379	5.3	126	0.00
17	Acenaphthene	0.400	0.383	4.3	127	0.00
18	Fluorene	0.400	0.378	5.5	126	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	125	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.423	-5.7	120	0.00
21	4-Bromophenyl-phenylether	0.400	0.374	6.5	126	0.00
22	Hexachlorobenzene	0.400	0.397	0.8	124	0.00
23	Atrazine	0.400	0.394	1.5	135	0.00
24	Pentachlorophenol	0.400	0.394	1.5	136	0.00
25	Phenanthrene	0.400	0.390	2.5	127	0.00
26	Anthracene	0.400	0.374	6.5	127	-0.01
27 SURR	Fluoranthene-d10	0.400	0.364	9.0	125	0.00
28	Fluoranthene	0.400	0.375	6.3	126	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	124	0.00
30	Pyrene	0.400	0.405	-1.3	128	0.00
31 S	Terphenyl-d14	0.400	0.387	3.3	124	0.00
32	Benzo(a)anthracene	0.400	0.382	4.5	125	0.00
33	Chrysene	0.400	0.405	-1.3	131	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.405	-1.3	133	0.00
35 I	Perylene-d12	0.400	0.400	0.0	128	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.381	4.8	128	0.00
37	Benzo(b)fluoranthene	0.400	0.358	10.5	130	0.00
38	Benzo(k)fluoranthene	0.400	0.381	4.8	127	0.00
39 C	Benzo(a)pyrene	0.400	0.370	7.5	130	0.00
40	Dibenzo(a,h)anthracene	0.400	0.369	7.8	127	0.00
41	Benzo(g,h,i)perylene	0.400	0.388	3.0	136	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: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q2869
 Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 04:14
 Lab File ID: BN037618.D Init. Calib. Date(s): 08/12/2025 08/12/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.498		-8.5	20.0
Fluoranthene-d10	1.052	0.951		-9.6	20.0
2-Fluorophenol	0.907	0.875		-3.5	20.0
Phenol-d6	1.091	1.045		-4.2	20.0
Nitrobenzene-d5	0.282	0.281		-0.4	20.0
2-Fluorobiphenyl	2.313	2.246		-2.9	20.0
2,4,6-Tribromophenol	0.175	0.175		0.0	20.0
Terphenyl-d14	0.823	0.793		-3.6	20.0
1,4-Dioxane	0.383	0.380		-0.8	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037618.D
 Acq On : 20 Aug 2025 04:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Aug 20 06:13:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

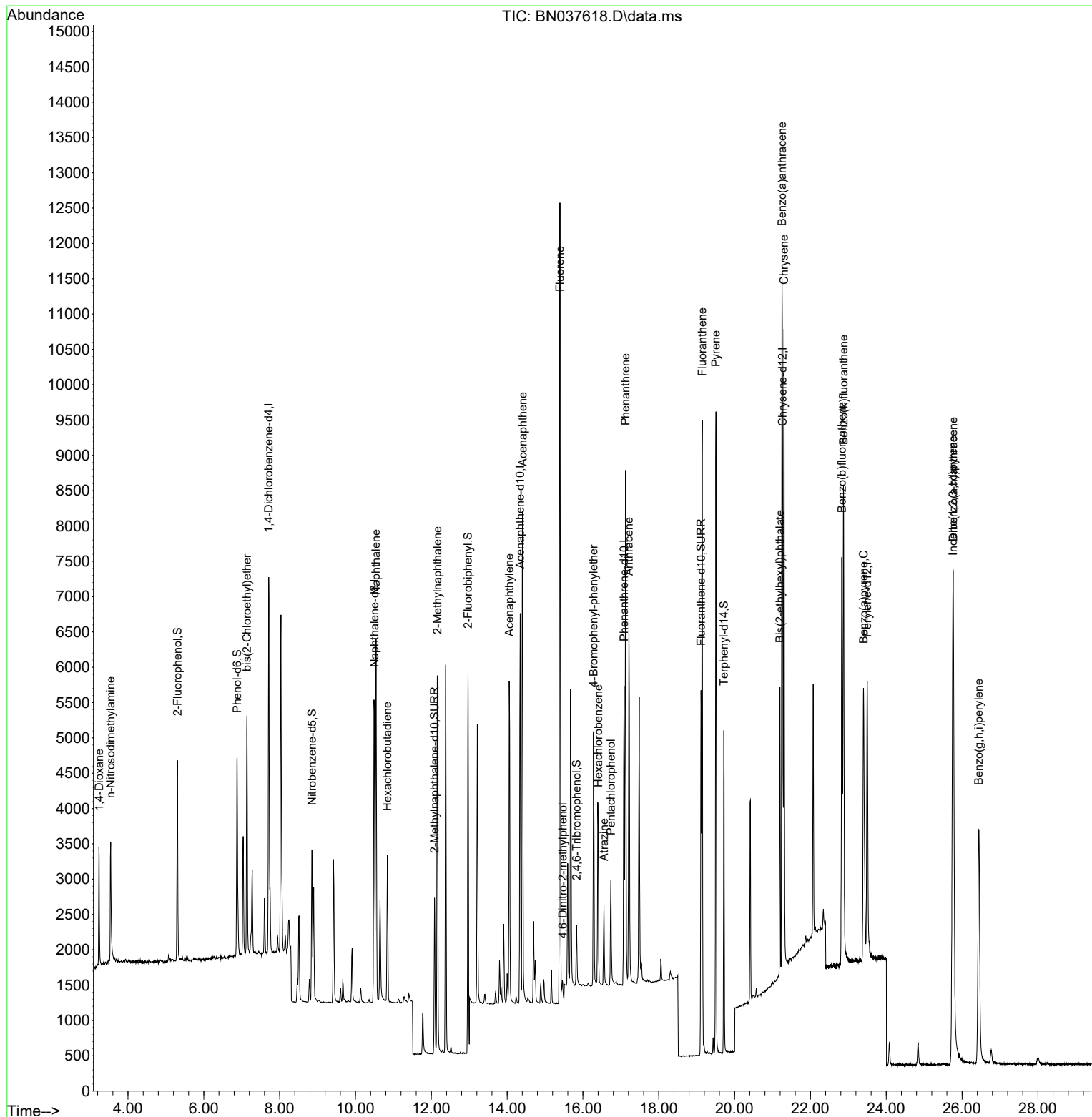
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2622	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	6166	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	3094	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	6113	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	5494	0.400	ng	0.00
35) Perylene-d12	23.499	264	5322	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	2293	0.386	ng	0.00
5) Phenol-d6	6.879	99	2739	0.383	ng	0.00
8) Nitrobenzene-d5	8.854	82	1733	0.399	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	3068	0.366	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	541	0.400	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	6948	0.388	ng	0.00
27) Fluoranthene-d10	19.113	212	5813	0.361	ng	0.00
31) Terphenyl-d14	19.717	244	4354	0.385	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.239	88	996	0.397	ng	97
3) n-Nitrosodimethylamine	3.543	42	1251	0.390	ng	98
6) bis(2-Chloroethyl)ether	7.139	93	2522	0.391	ng	97
9) Naphthalene	10.541	128	6581	0.401	ng	100
10) Hexachlorobutadiene	10.840	225	1692	0.422	ng	# 100
12) 2-Methylnaphthalene	12.162	142	3979	0.386	ng	99
16) Acenaphthylene	14.056	152	5458	0.394	ng	99
17) Acenaphthene	14.409	154	3630	0.385	ng	99
18) Fluorene	15.392	166	4767	0.386	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	208	0.368	ng	95
21) 4-Bromophenyl-phenylether	16.280	248	1521	0.396	ng	# 82
22) Hexachlorobenzene	16.404	284	2290	0.420	ng	98
23) Atrazine	16.553	200	941	0.433	ng	# 92
24) Pentachlorophenol	16.739	266	807	0.422	ng	95
25) Phenanthrene	17.124	178	7226	0.389	ng	100
26) Anthracene	17.211	178	6209	0.377	ng	100
28) Fluoranthene	19.146	202	8030	0.376	ng	99
30) Pyrene	19.508	202	8292	0.404	ng	100
32) Benzo(a)anthracene	21.250	228	7217	0.393	ng	99
33) Chrysene	21.304	228	7950	0.389	ng	97
34) Bis(2-ethylhexyl)phtha...	21.196	149	3567	0.471	ng	99
36) Indeno(1,2,3-cd)pyrene	25.756	276	9347	0.417	ng	98
37) Benzo(b)fluoranthene	22.829	252	7542	0.374	ng	100
38) Benzo(k)fluoranthene	22.873	252	8901	0.391	ng	98
39) Benzo(a)pyrene	23.399	252	6340	0.379	ng	98
40) Dibenzo(a,h)anthracene	25.768	278	7121	0.409	ng	99
41) Benzo(g,h,i)perylene	26.440	276	7272	0.397	ng	99

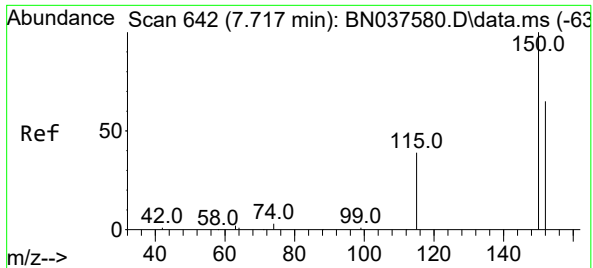
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037618.D
Acq On : 20 Aug 2025 04:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Aug 20 06:13:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

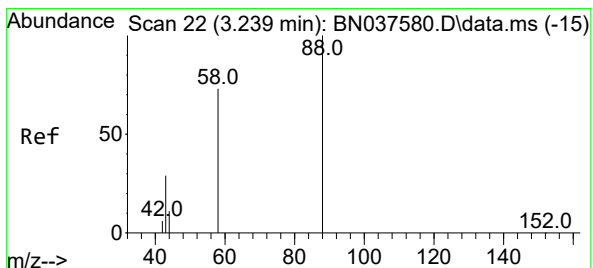
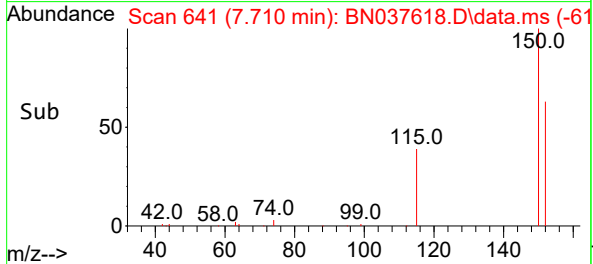
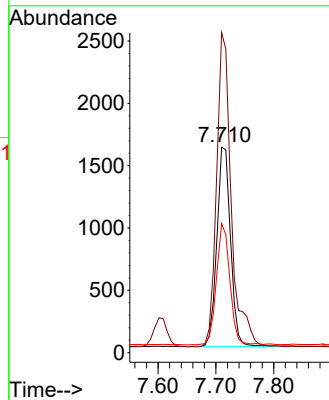
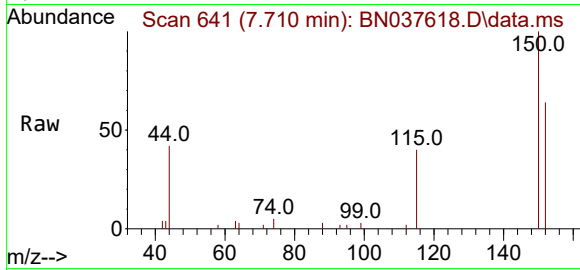




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN037618.D
 Acq: 20 Aug 2025 04:14

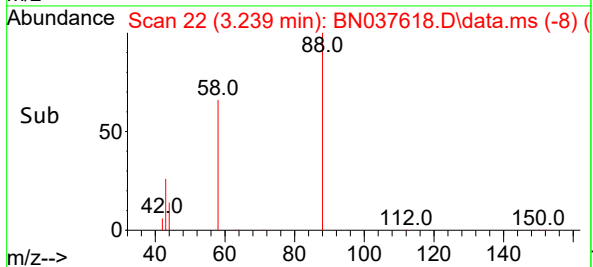
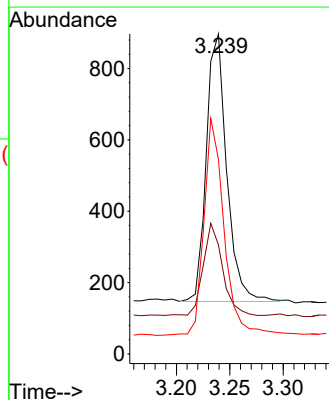
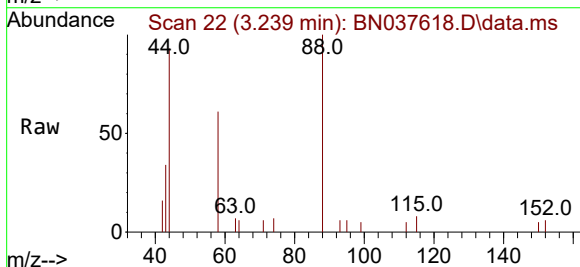
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

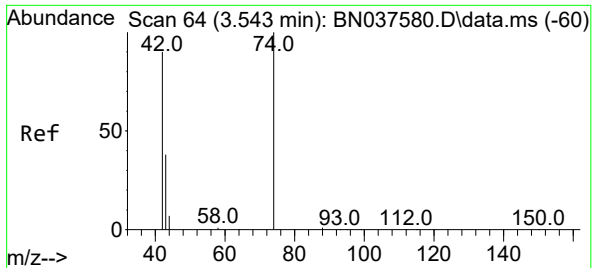
Tgt Ion: 152 Resp: 2622
 Ion Ratio Lower Upper
 152 100
 150 155.8 122.2 183.4
 115 62.9 49.8 74.6



#2
 1,4-Dioxane
 Concen: 0.397 ng
 RT: 3.239 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: BN037618.D
 Acq: 20 Aug 2025 04:14

Tgt Ion: 88 Resp: 996
 Ion Ratio Lower Upper
 88 100
 43 32.3 25.8 38.6
 58 80.3 61.2 91.8

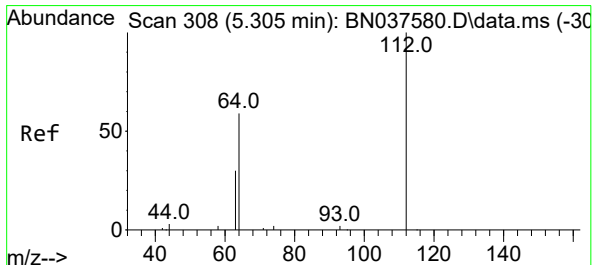
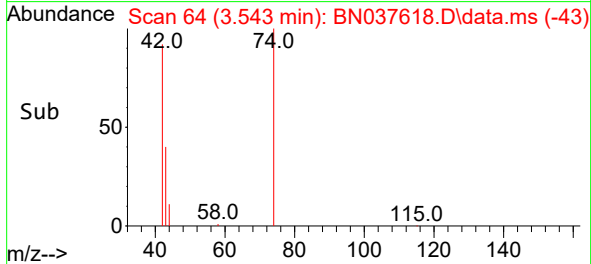
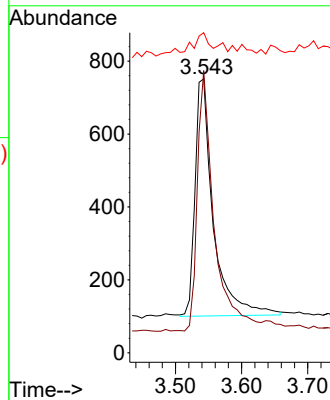
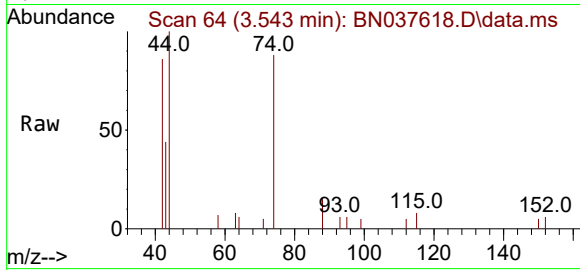




#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.543 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

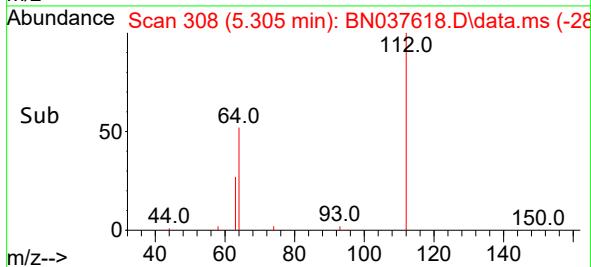
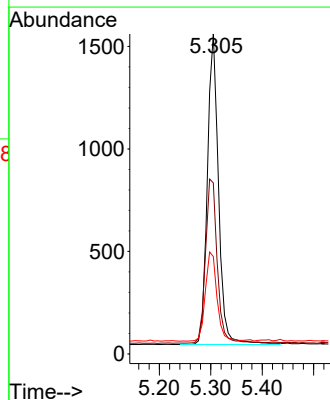
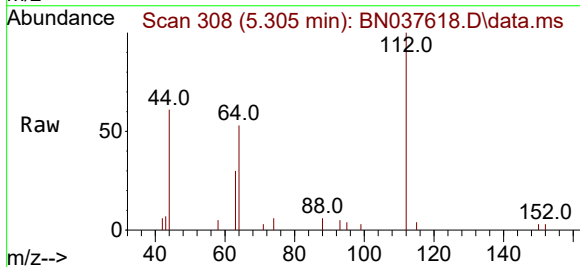
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

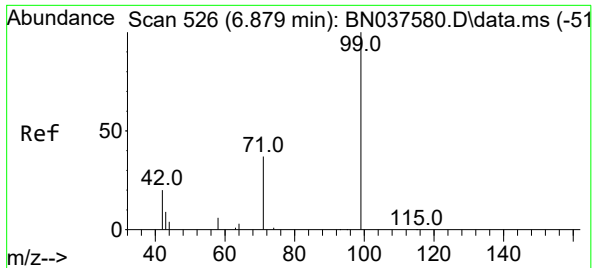
Tgt Ion: 42 Resp: 1251
Ion Ratio Lower Upper
42 100
74 100.6 82.0 123.0
44 10.8 7.9 11.9



#4
2-Fluorophenol
Concen: 0.386 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion: 112 Resp: 2293
Ion Ratio Lower Upper
112 100
64 55.5 44.9 67.3
63 29.9 23.4 35.2

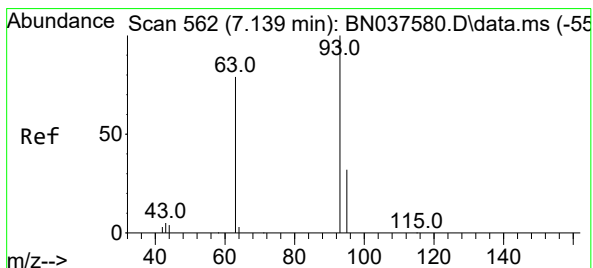
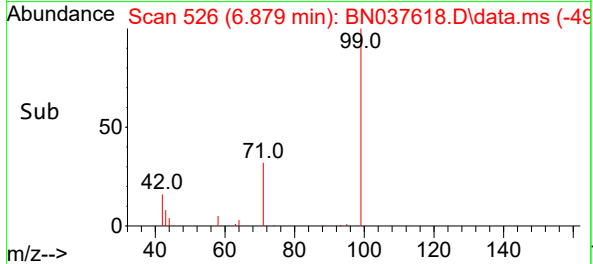
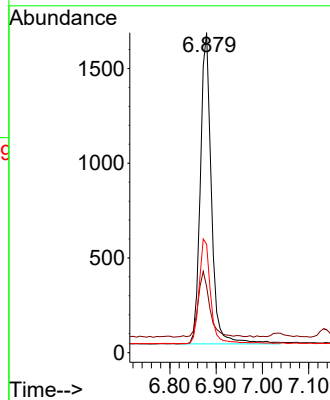
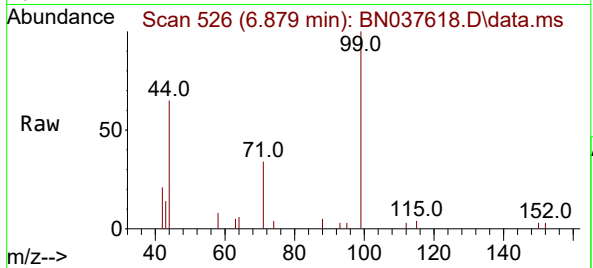




#5
Phenol-d6
Concen: 0.383 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

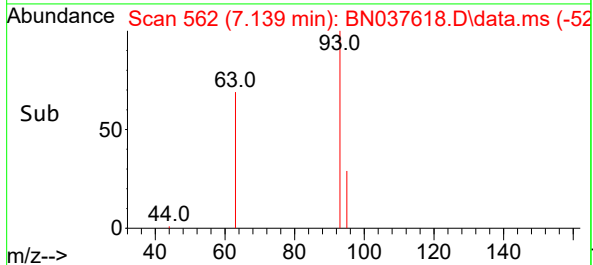
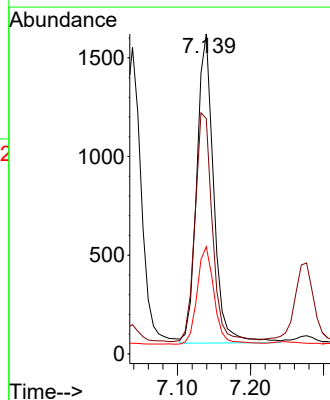
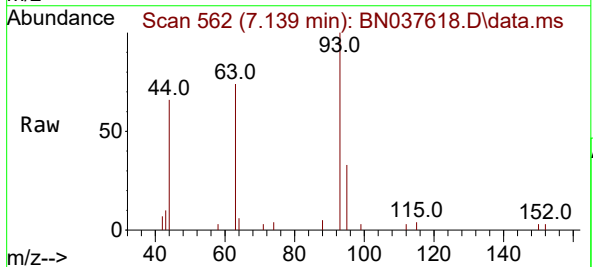
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

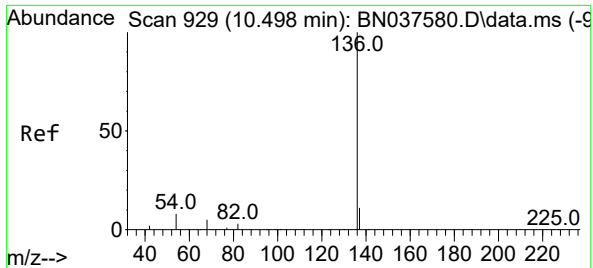
Tgt Ion: 99 Resp: 2739
Ion Ratio Lower Upper
99 100
42 21.9 18.5 27.7
71 34.3 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 0.391 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion: 93 Resp: 2522
Ion Ratio Lower Upper
93 100
63 76.0 58.0 87.0
95 31.7 24.9 37.3

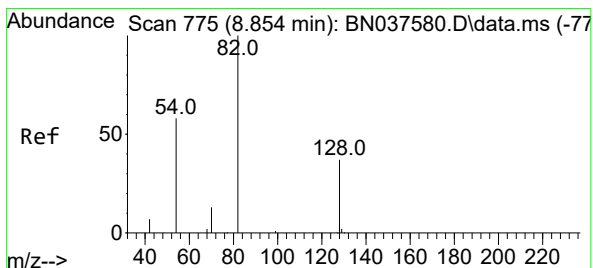
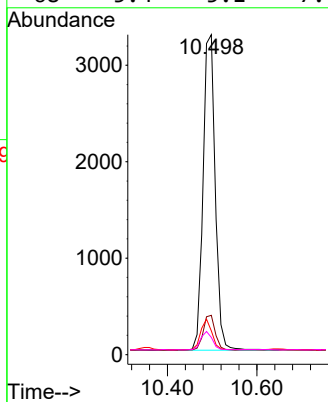
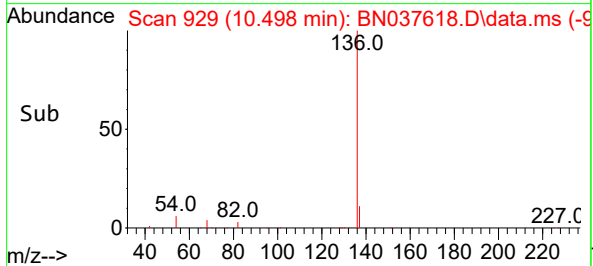
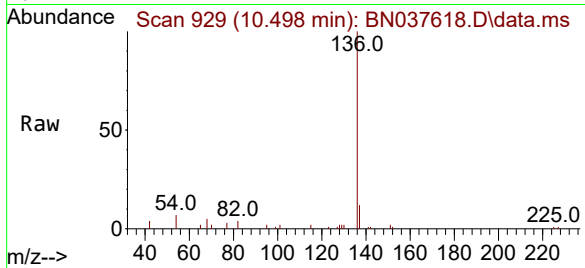




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

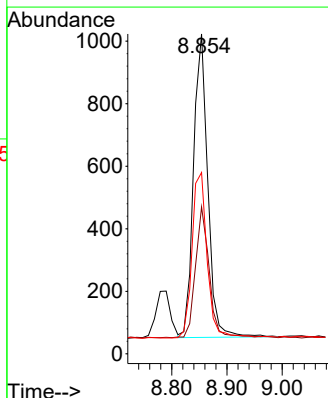
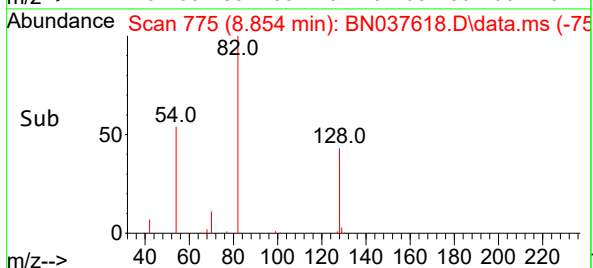
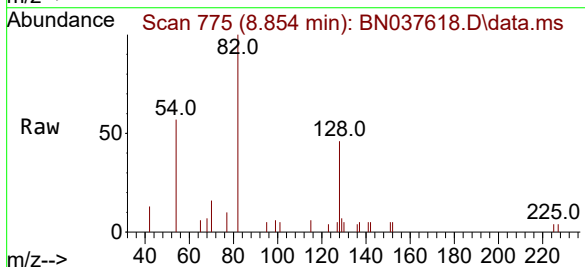
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

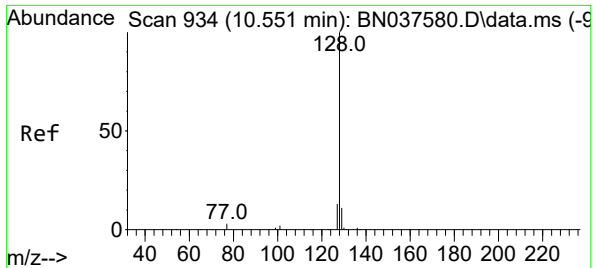
Tgt Ion:	136	Resp:	6166
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	7.4	7.3	10.9
68	5.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:	82	Resp:	1733
Ion	Ratio	Lower	Upper
82	100		
128	45.9	32.6	48.8
54	56.7	48.9	73.3

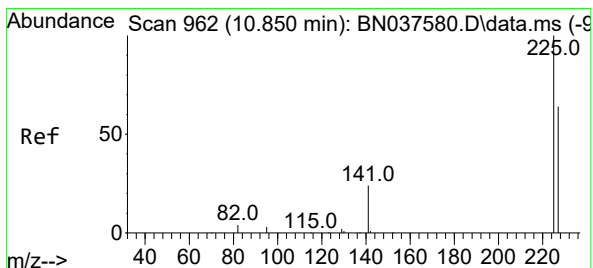
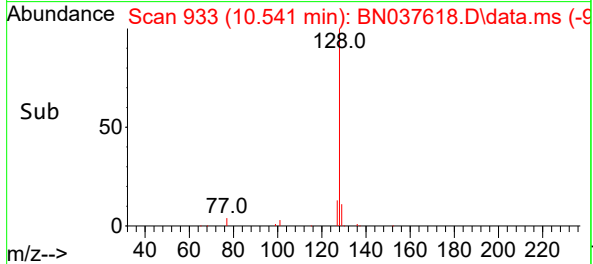
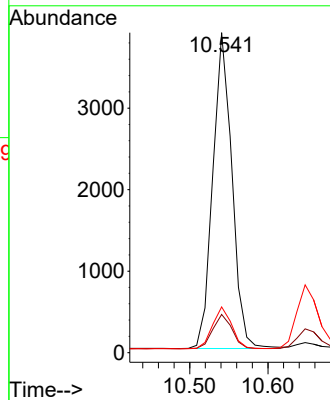
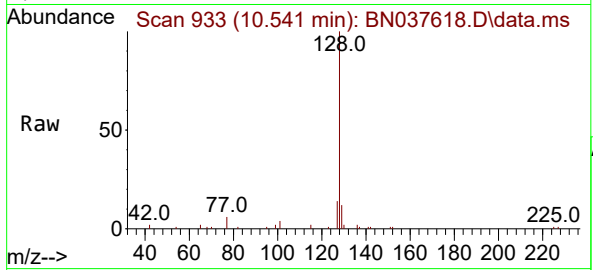




#9
Naphthalene
Concen: 0.401 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

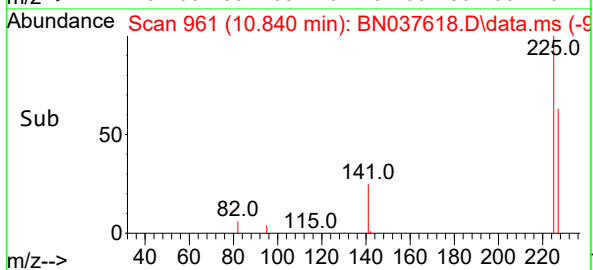
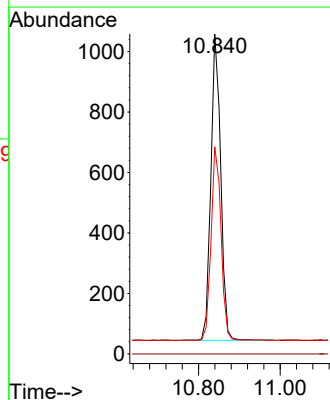
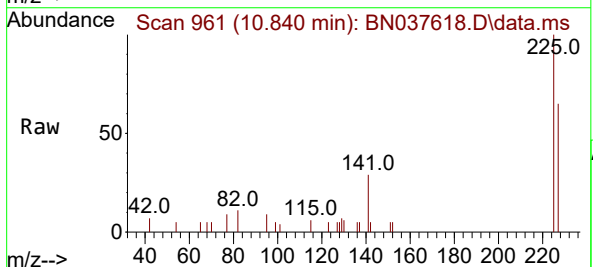
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

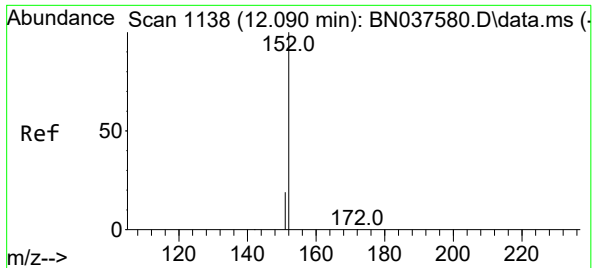
Tgt Ion:	128	Resp:	6581
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.8	14.6
127	14.3	11.5	17.3



#10
Hexachlorobutadiene
Concen: 0.422 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.011 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:	225	Resp:	1692
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.8	76.2

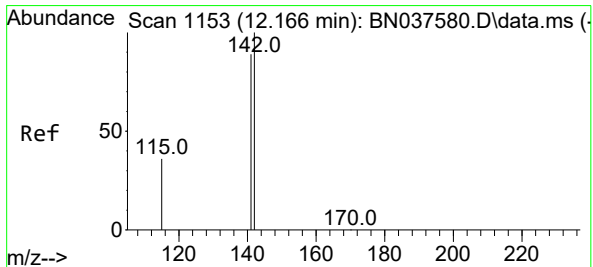
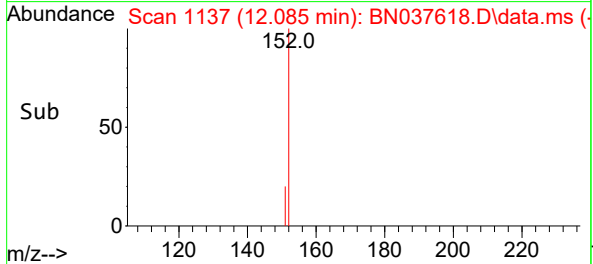
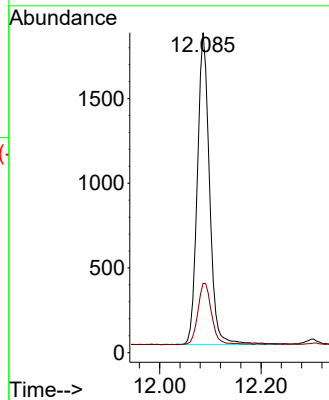
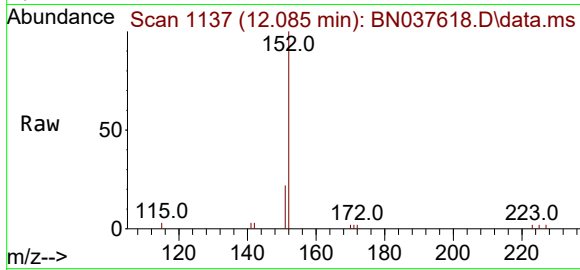




#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

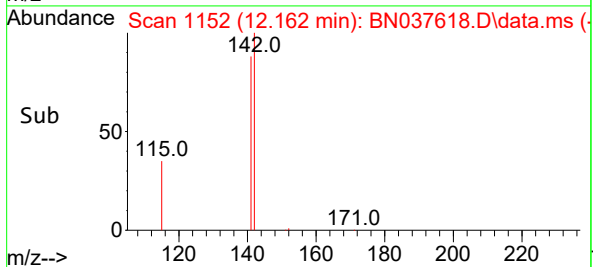
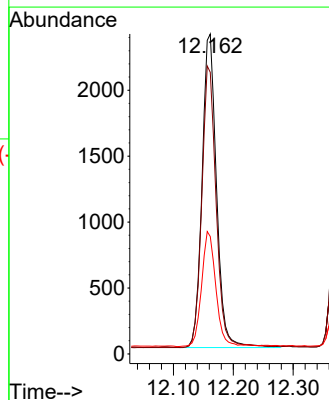
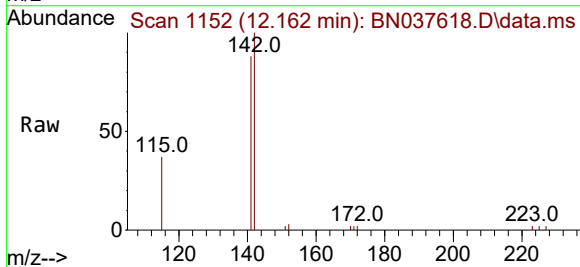
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

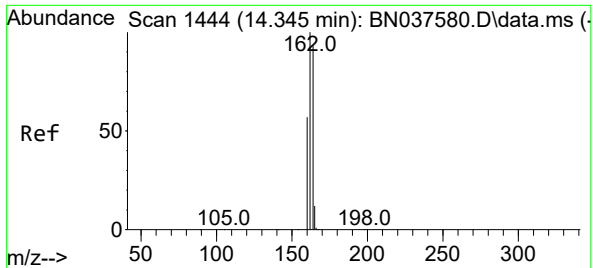
Tgt Ion:152 Resp: 3068
Ion Ratio Lower Upper
152 100
151 22.2 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.162 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:142 Resp: 3979
Ion Ratio Lower Upper
142 100
141 88.0 71.4 107.0
115 36.7 30.2 45.4

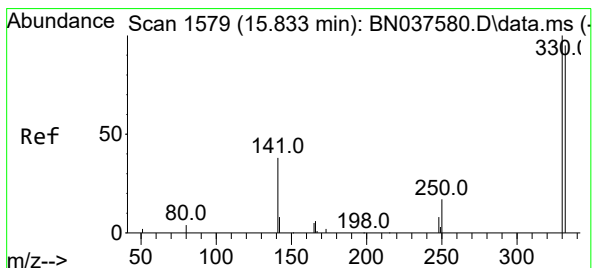
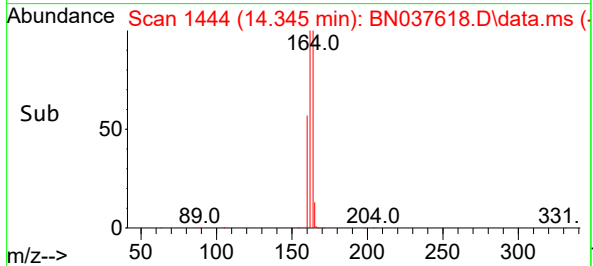
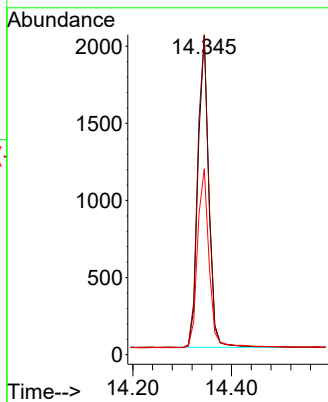
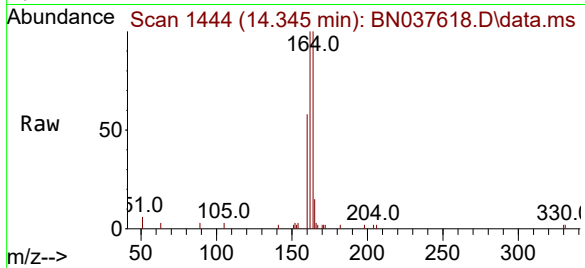




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

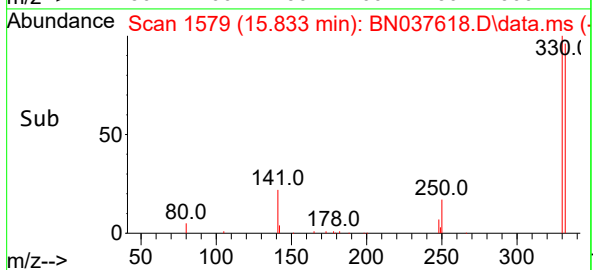
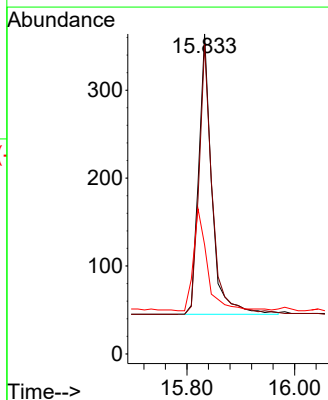
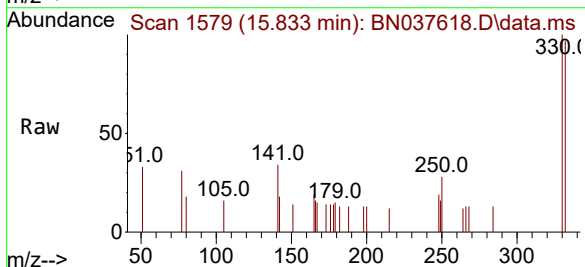
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

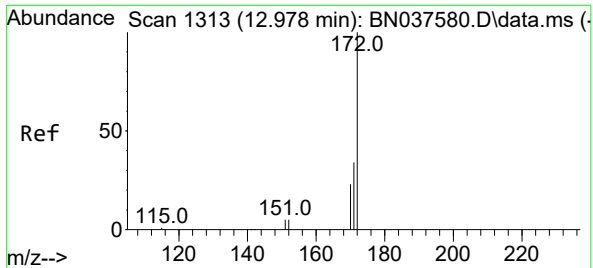
Tgt Ion:164 Resp: 3094
Ion Ratio Lower Upper
164 100
162 100.3 85.5 128.3
160 58.3 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.400 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:330 Resp: 541
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.0
141 39.0 30.9 46.3

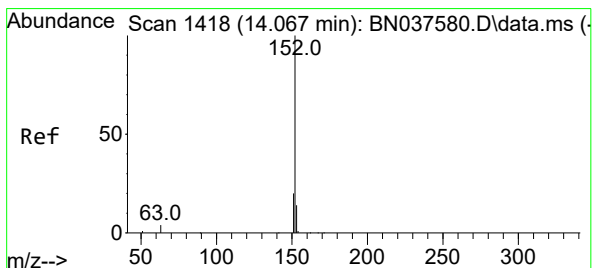
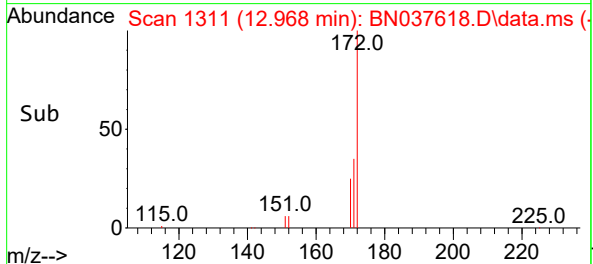
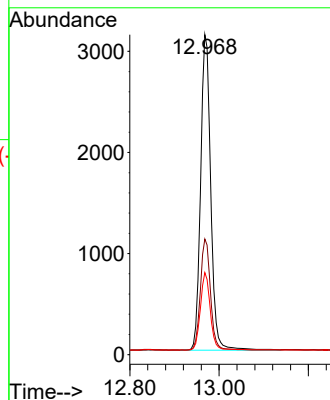
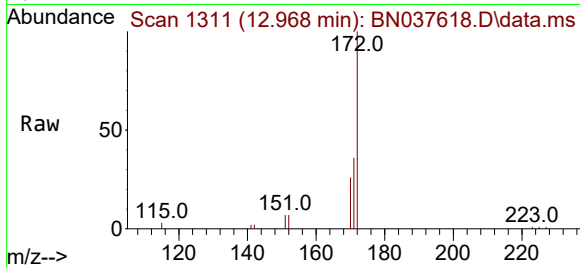




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

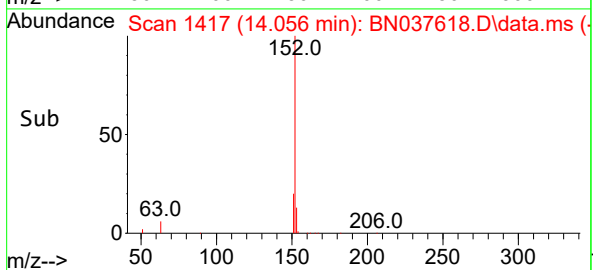
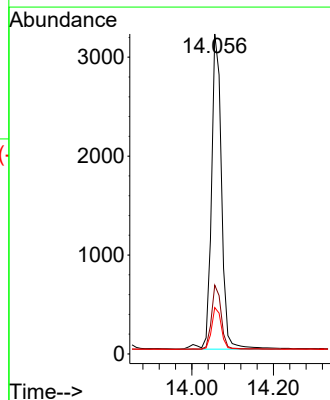
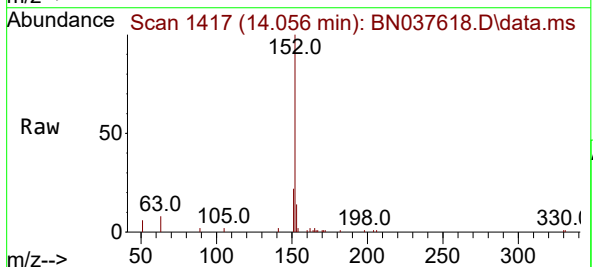
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

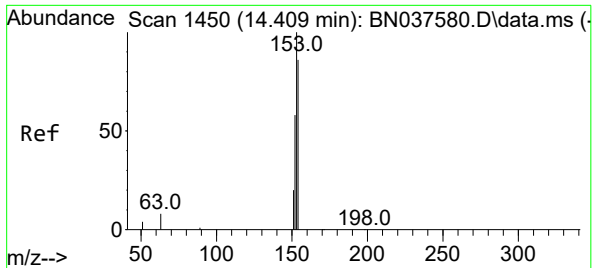
Tgt Ion:	172	Resp:	6948
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	25.7	19.2	28.8



#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:	152	Resp:	5458
Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.1	10.7	16.1

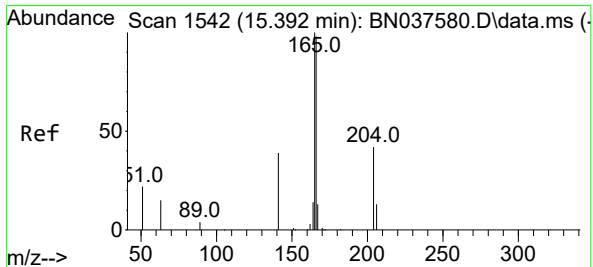
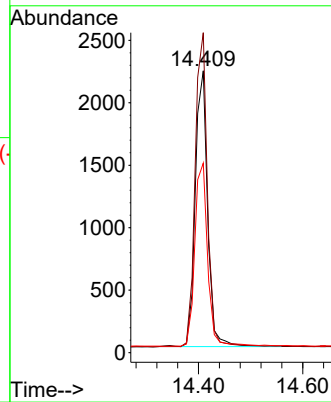
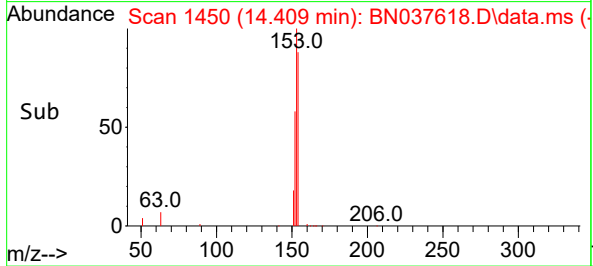
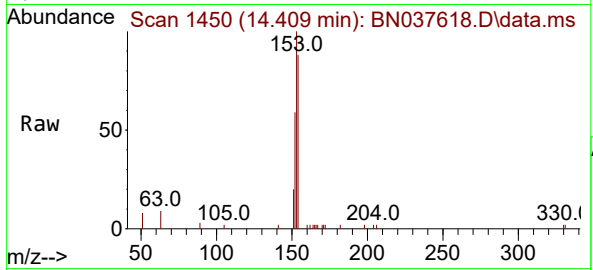




#17
Acenaphthene
Concen: 0.385 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

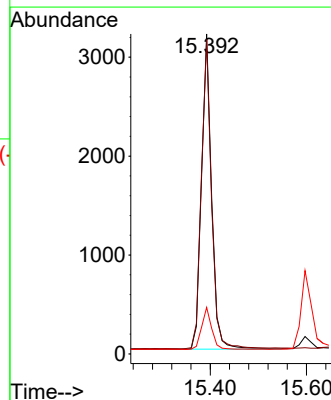
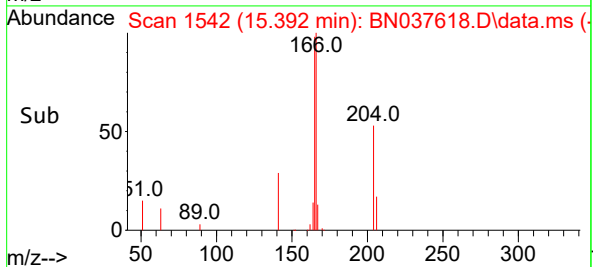
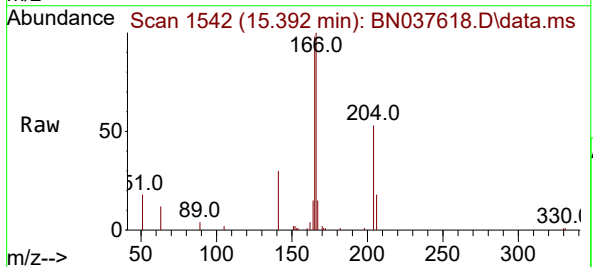
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

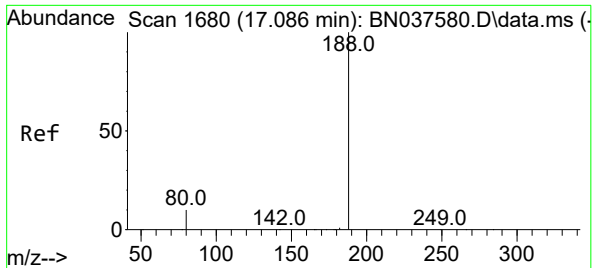
Tgt Ion:154 Resp: 3630
Ion Ratio Lower Upper
154 100
153 113.3 90.6 135.8
152 69.6 54.9 82.3



#18
Fluorene
Concen: 0.386 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:166 Resp: 4767
Ion Ratio Lower Upper
166 100
165 99.3 78.9 118.3
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

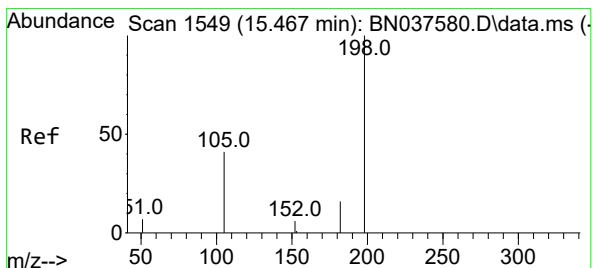
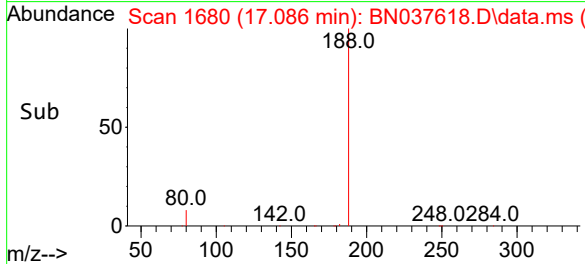
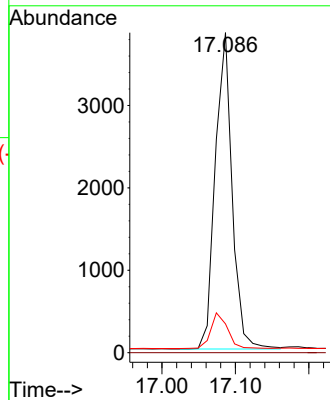
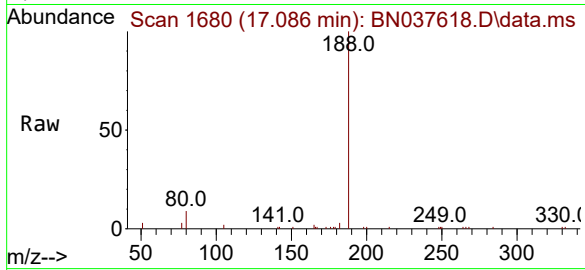
Tgt Ion:188 Resp: 6113

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 9.1 13.7#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.368 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

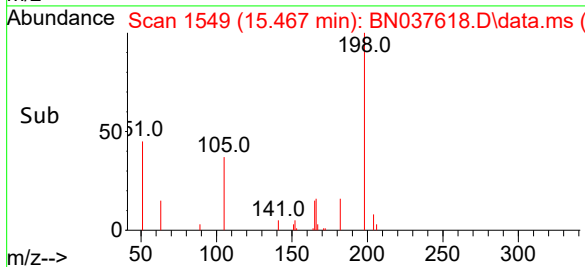
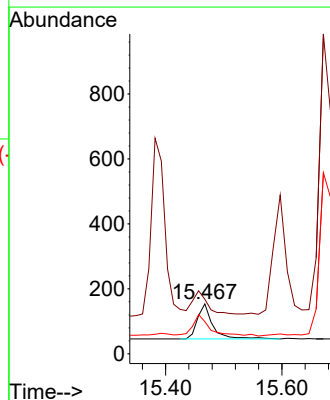
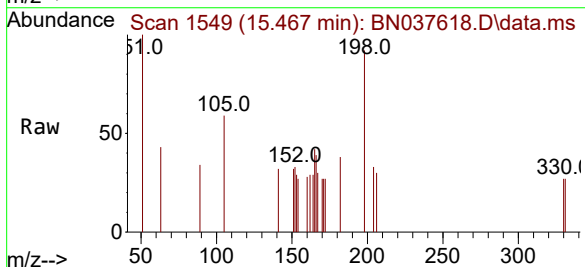
Tgt Ion:198 Resp: 208

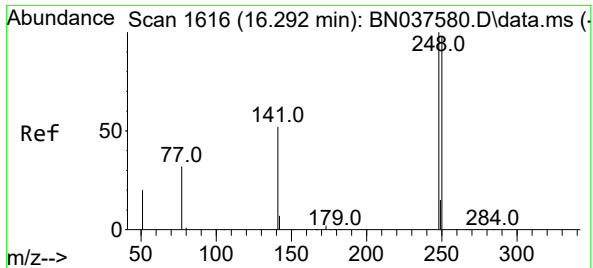
Ion Ratio Lower Upper

198 100

51 109.1 81.0 121.6

105 64.3 52.5 78.7

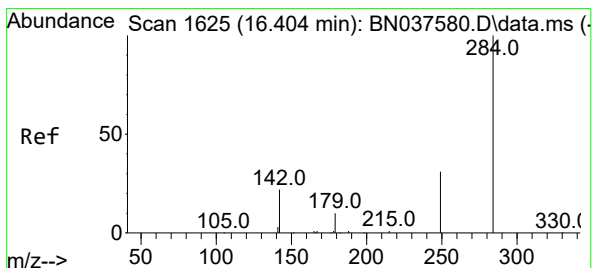
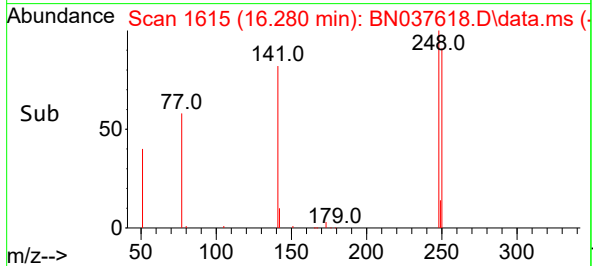
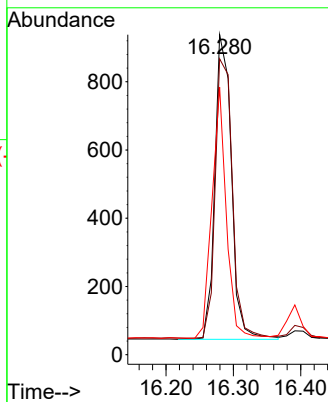
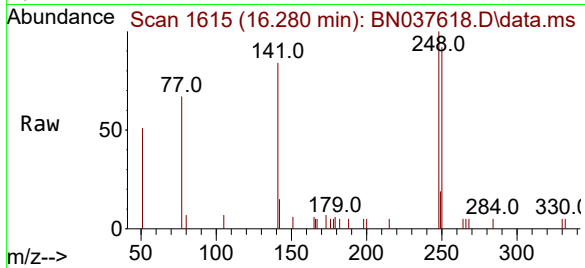




#21
4-Bromophenyl-phenylether
Concen: 0.396 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

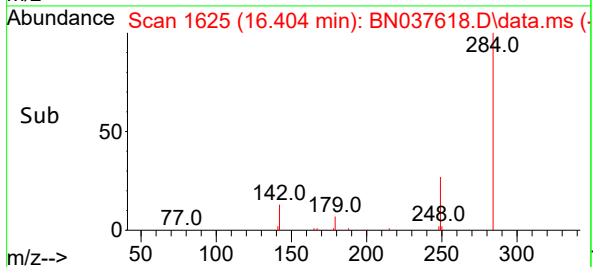
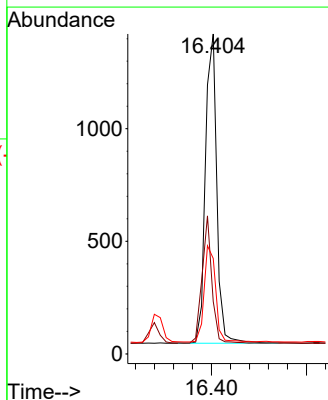
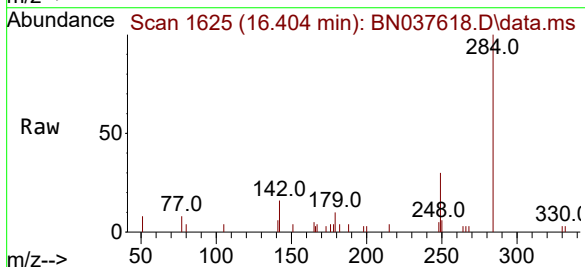
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

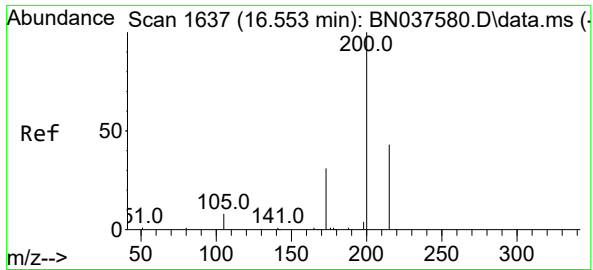
Tgt Ion:248 Resp: 1521
Ion Ratio Lower Upper
248 100
250 92.4 78.6 118.0
141 83.6 43.7 65.5#



#22
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:284 Resp: 2290
Ion Ratio Lower Upper
284 100
142 35.7 29.8 44.6
249 31.4 26.0 39.0





#23

Atrazine

Concen: 0.433 ng

RT: 16.553 min Scan# 1637

Delta R.T. -0.000 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

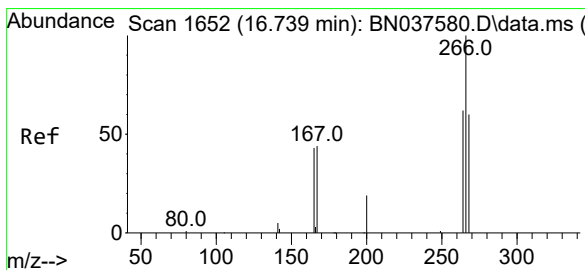
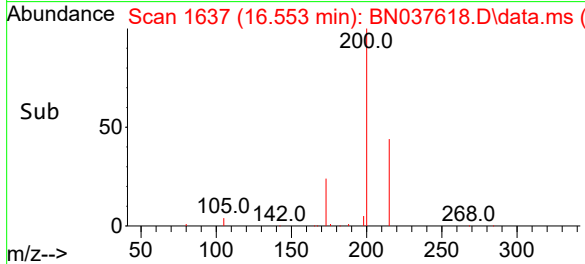
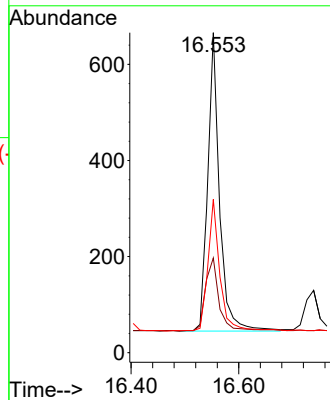
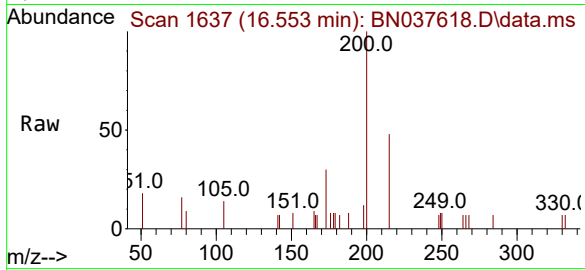
Tgt Ion:200 Resp: 941

Ion Ratio Lower Upper

200 100

173 29.6 31.0 46.4#

215 47.9 39.4 59.0



#24

Pentachlorophenol

Concen: 0.422 ng

RT: 16.739 min Scan# 1652

Delta R.T. -0.000 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

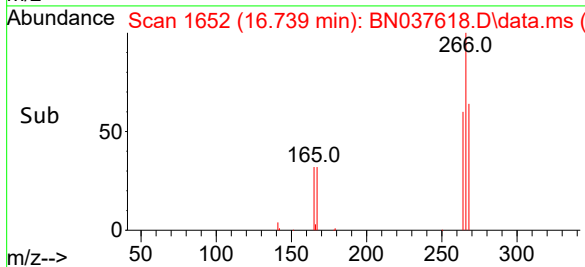
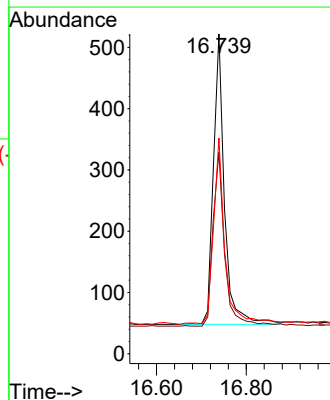
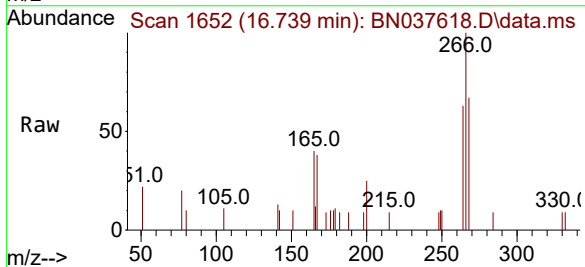
Tgt Ion:266 Resp: 807

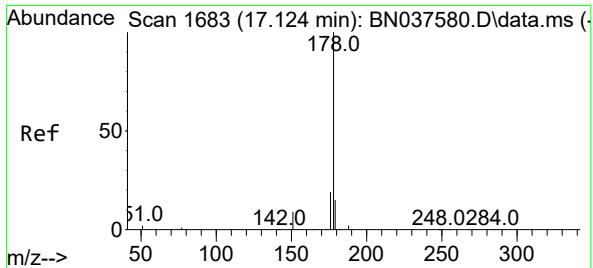
Ion Ratio Lower Upper

266 100

264 63.8 49.6 74.4

268 67.0 49.2 73.8

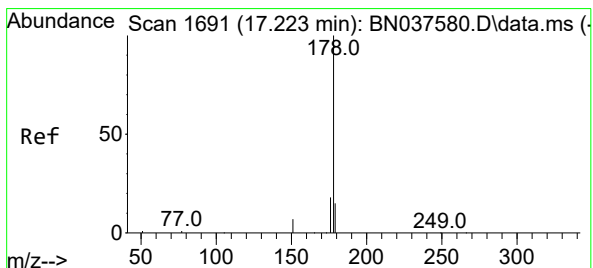
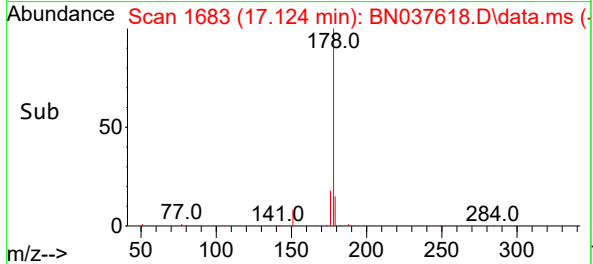
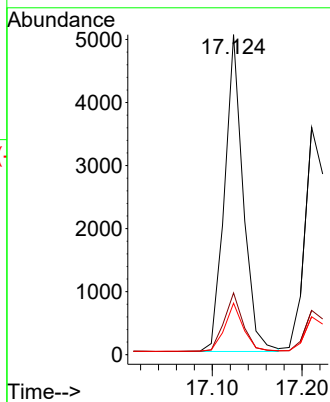
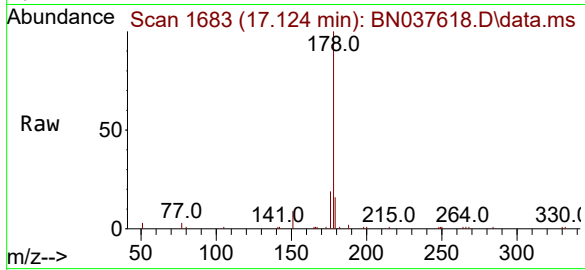




#25
Phenanthrene
Concen: 0.389 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

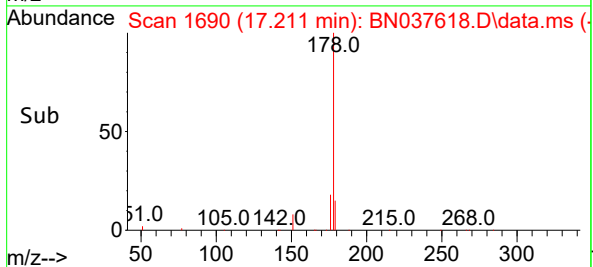
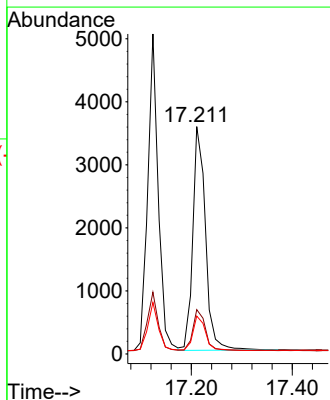
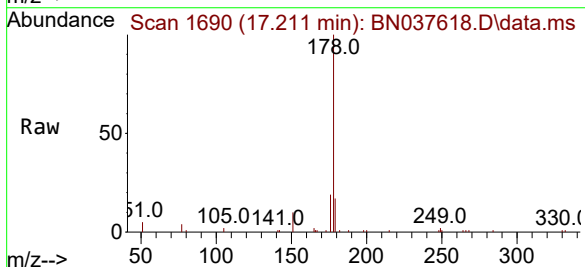
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

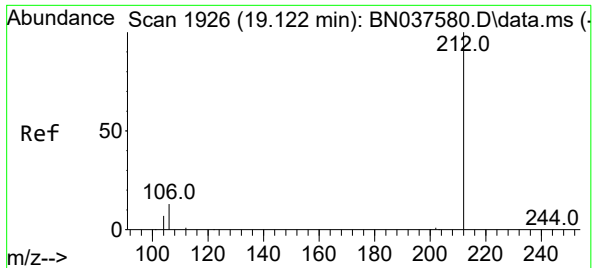
Tgt Ion:178 Resp: 7226
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.377 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:178 Resp: 6209
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.2 12.3 18.5

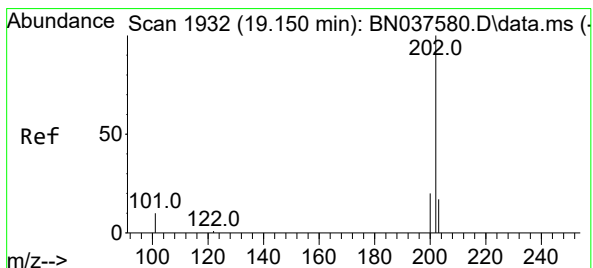
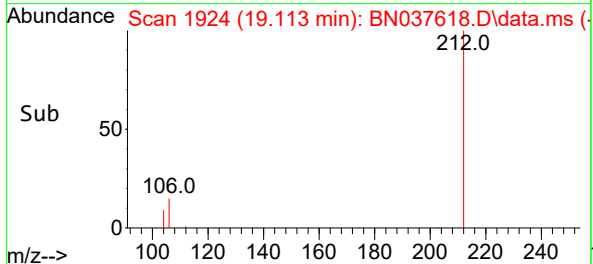
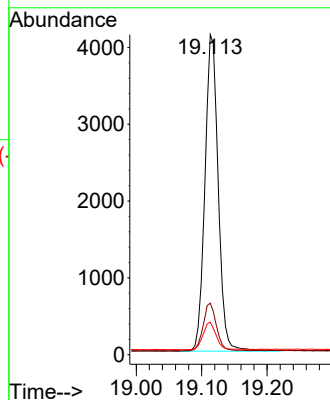
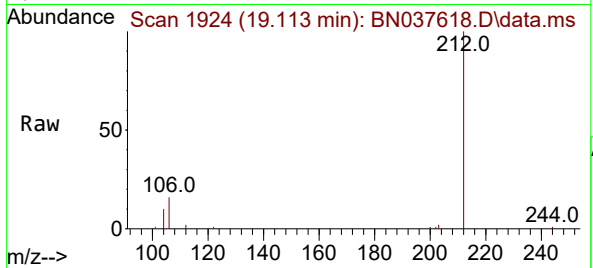




#27
Fluoranthene-d10
Concen: 0.361 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

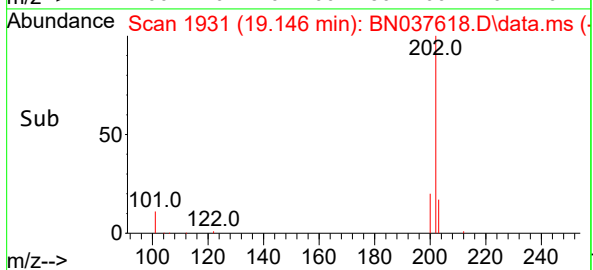
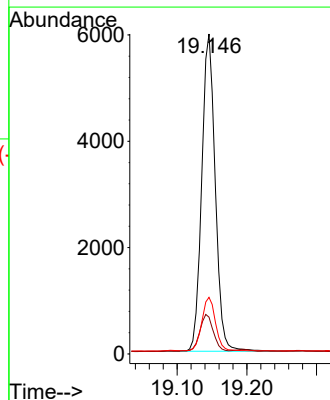
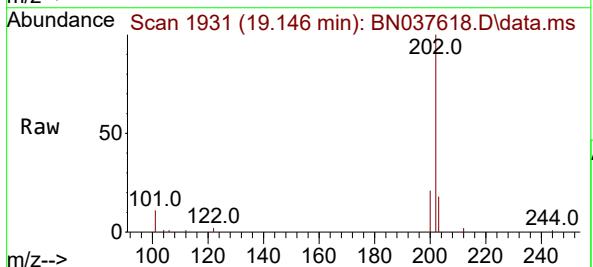
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

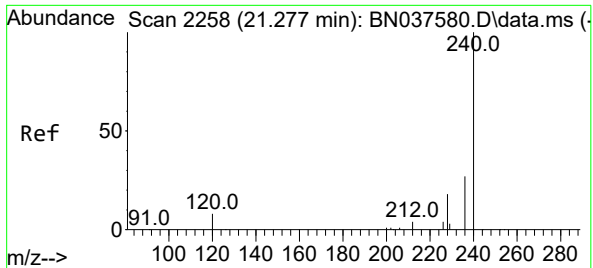
Tgt Ion:212 Resp: 5813
Ion Ratio Lower Upper
212 100
106 15.1 11.5 17.3
104 8.5 6.6 9.8



#28
Fluoranthene
Concen: 0.376 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:202 Resp: 8030
Ion Ratio Lower Upper
202 100
101 11.5 9.0 13.6
203 17.0 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

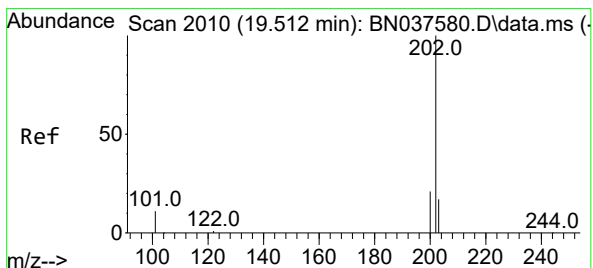
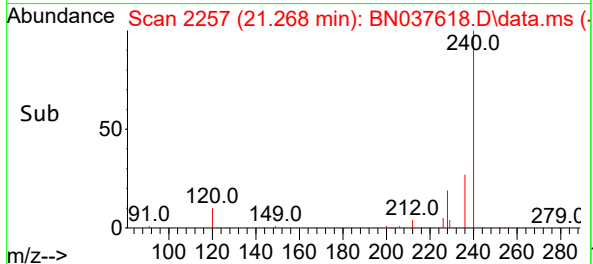
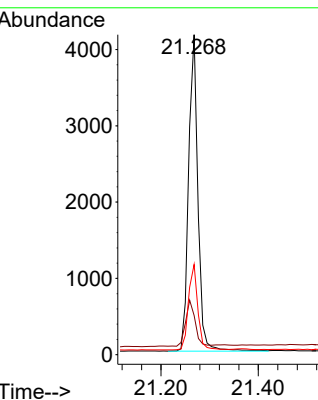
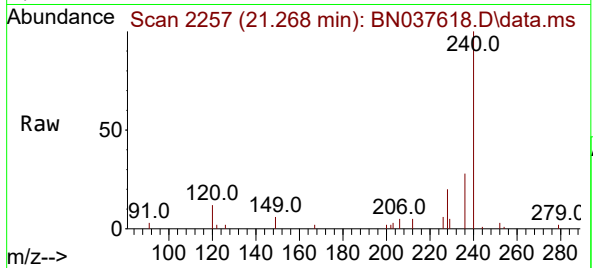
Tgt Ion:240 Resp: 5494

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

236 28.2 22.6 33.8



#30

Pyrene

Concen: 0.404 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.004 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

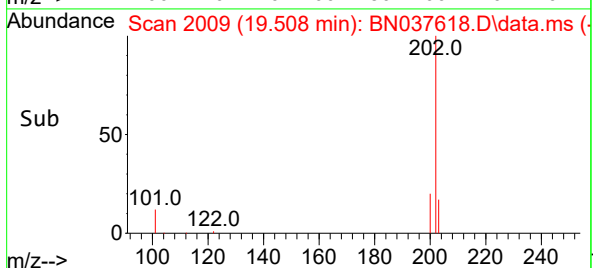
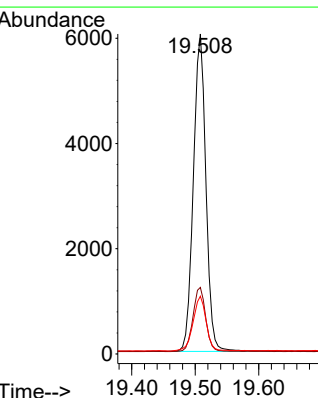
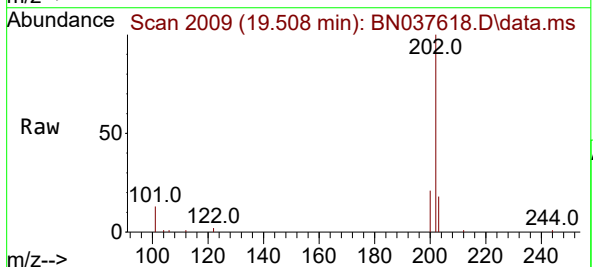
Tgt Ion:202 Resp: 8292

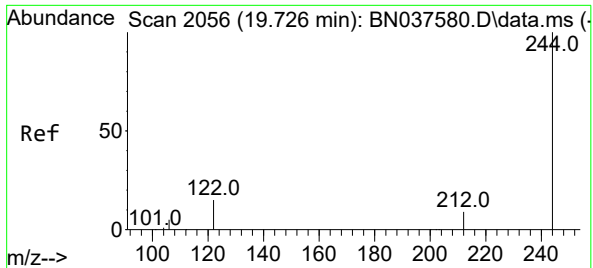
Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

203 17.9 14.3 21.5

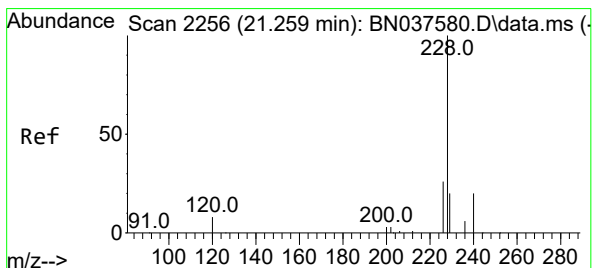
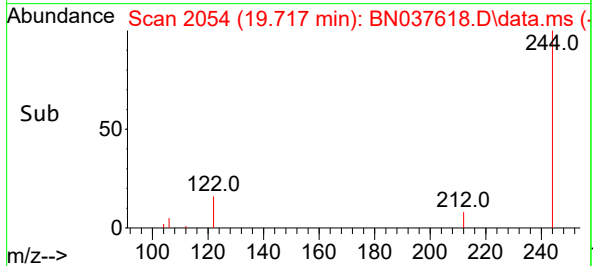
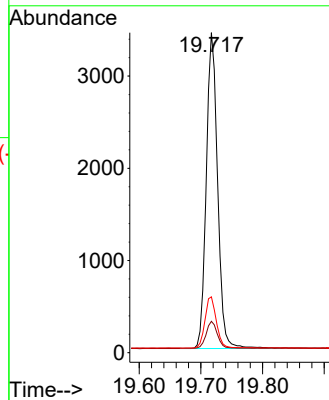
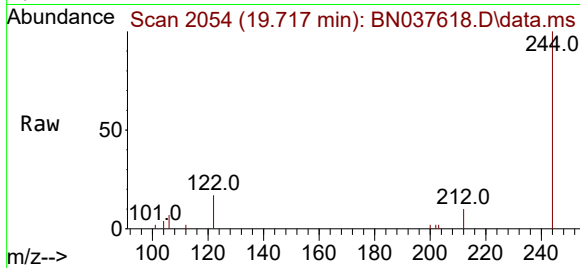




#31
Terphenyl-d14
Concen: 0.385 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

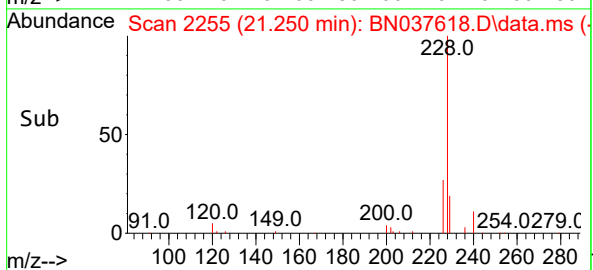
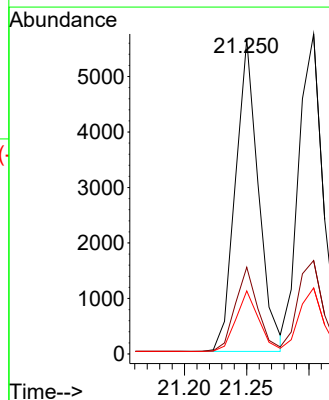
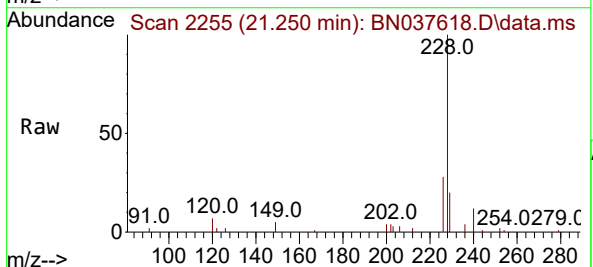
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

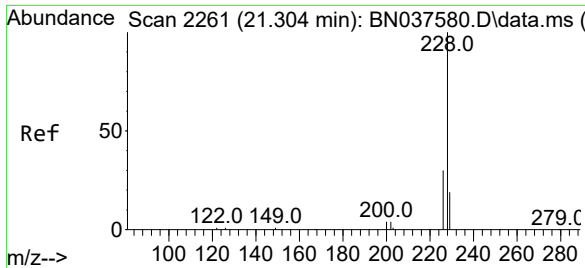
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.2	12.2
122	17.5	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.393 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.5	32.3
229	20.0	16.5	24.7





#33

Chrysene

Concen: 0.389 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

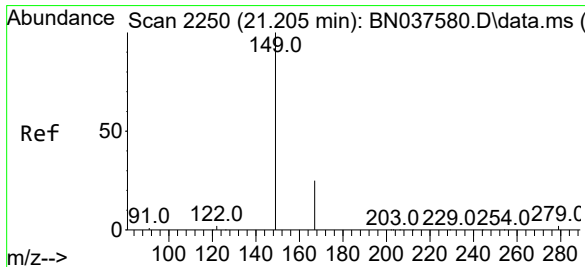
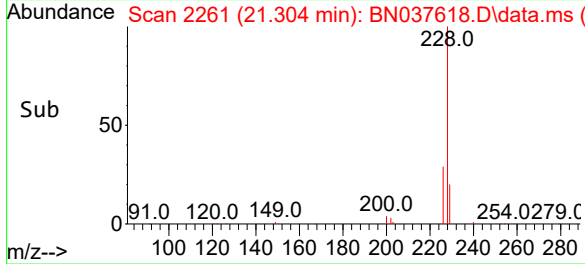
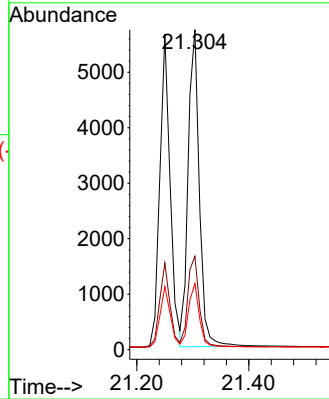
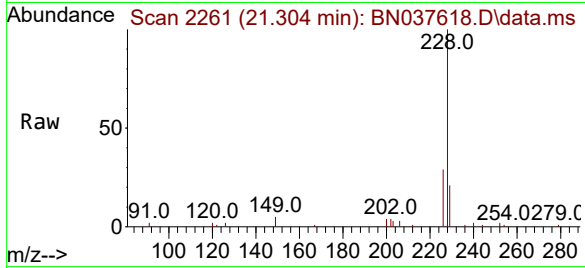
Tgt Ion:228 Resp: 7950

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

229 20.7 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.471 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14

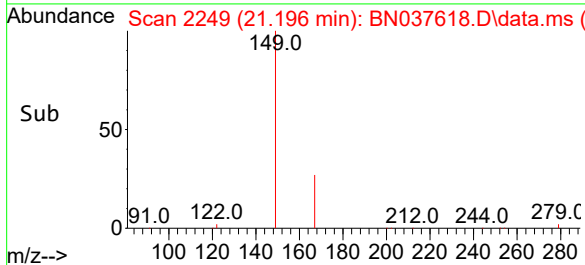
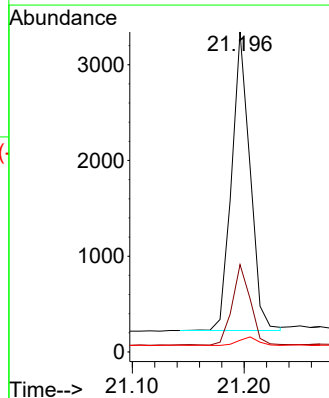
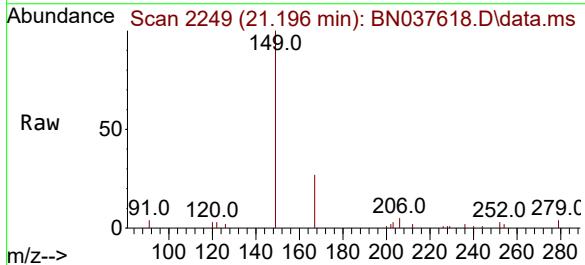
Tgt Ion:149 Resp: 3567

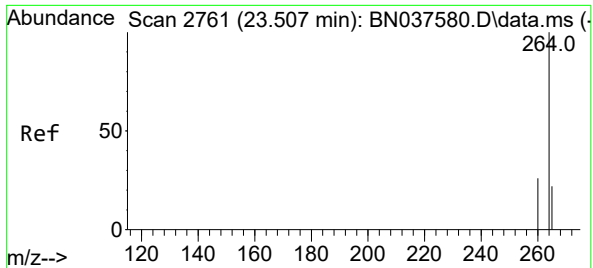
Ion Ratio Lower Upper

149 100

167 26.3 20.5 30.7

279 3.0 2.6 4.0

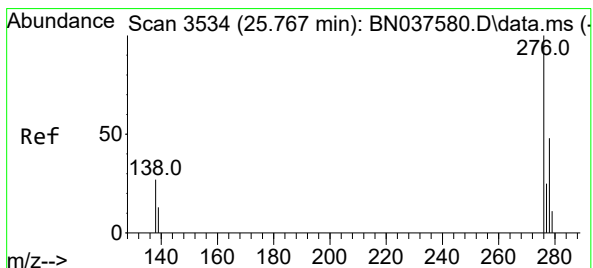
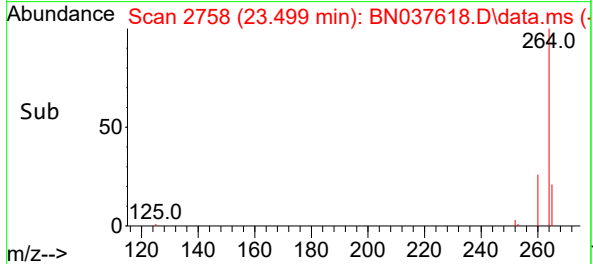
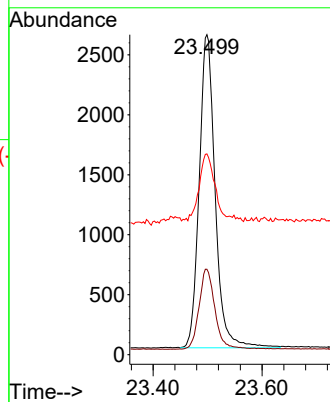
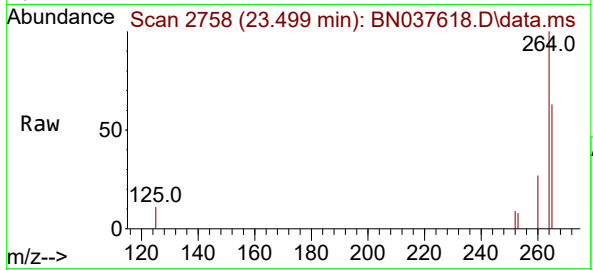




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

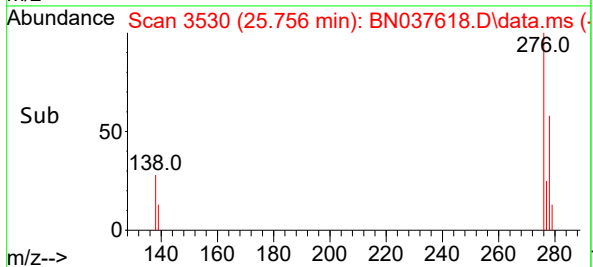
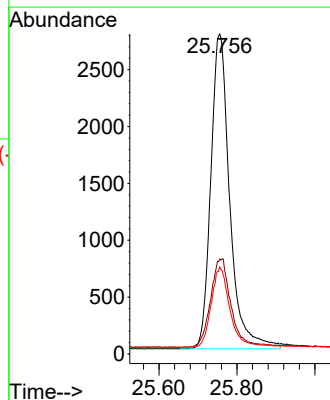
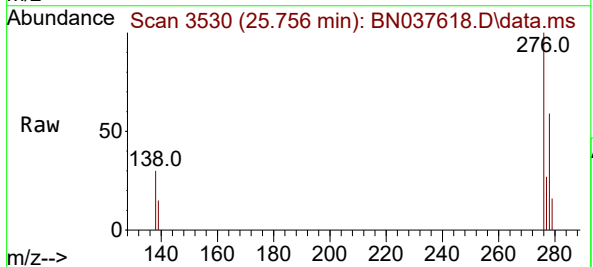
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

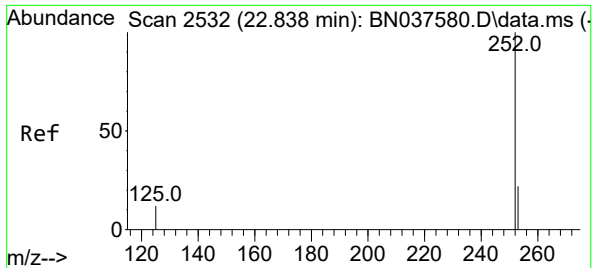
Tgt Ion:264 Resp: 5322
Ion Ratio Lower Upper
264 100
260 26.7 21.6 32.4
265 62.7 48.2 72.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.417 ng
RT: 25.756 min Scan# 3530
Delta R.T. -0.012 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:276 Resp: 9347
Ion Ratio Lower Upper
276 100
138 30.1 23.3 34.9
277 25.2 19.5 29.3

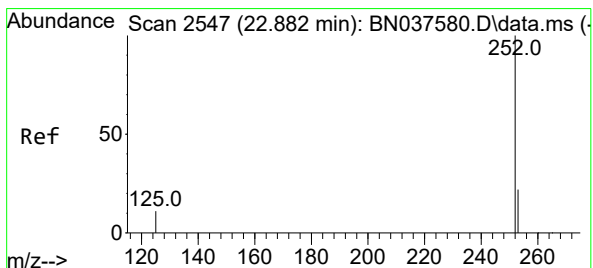
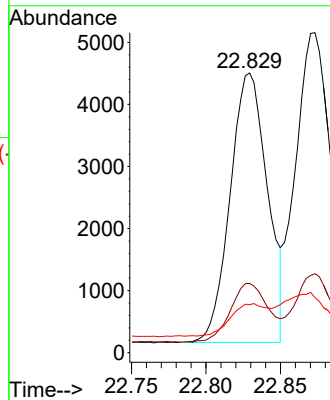
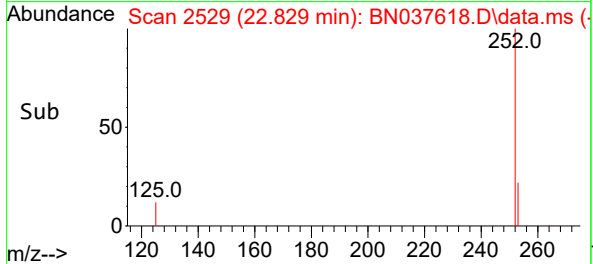
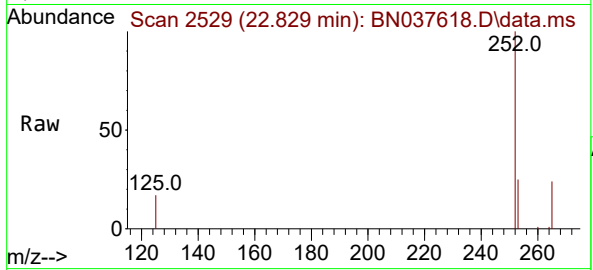




#37
Benzo(b)fluoranthene
Concen: 0.374 ng
RT: 22.829 min Scan# 2529
Delta R.T. -0.009 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

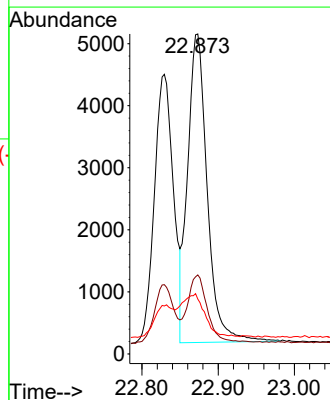
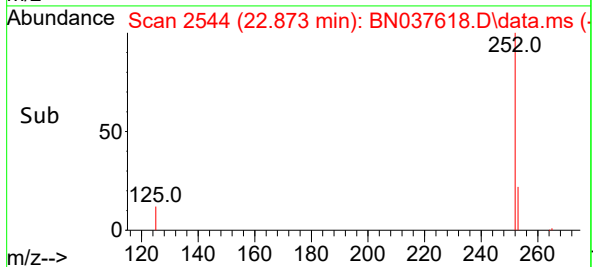
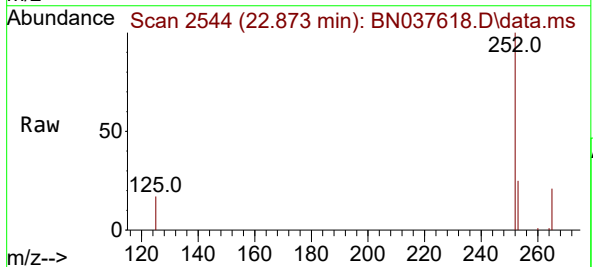
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

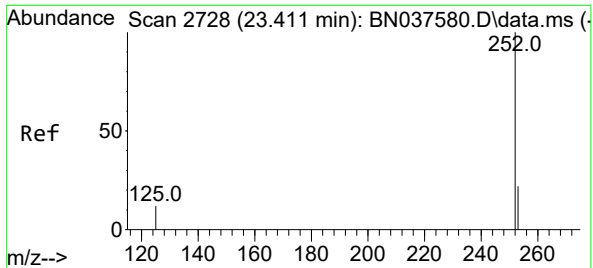
Tgt Ion:252 Resp: 7542
Ion Ratio Lower Upper
252 100
253 24.7 20.0 30.0
125 17.1 13.8 20.6



#38
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 22.873 min Scan# 2544
Delta R.T. -0.009 min
Lab File: BN037618.D
Acq: 20 Aug 2025 04:14

Tgt Ion:252 Resp: 8901
Ion Ratio Lower Upper
252 100
253 24.7 19.9 29.9
125 17.1 15.0 22.6





#39

Benzo(a)pyrene

Concen: 0.379 ng

RT: 23.399 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN037618.D

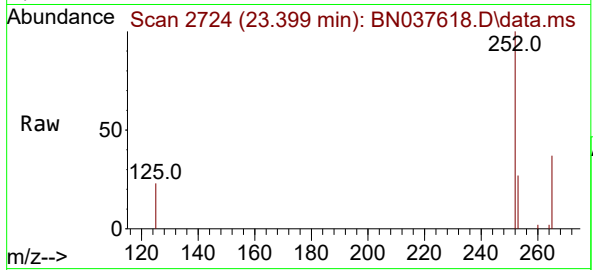
Acq: 20 Aug 2025 04:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



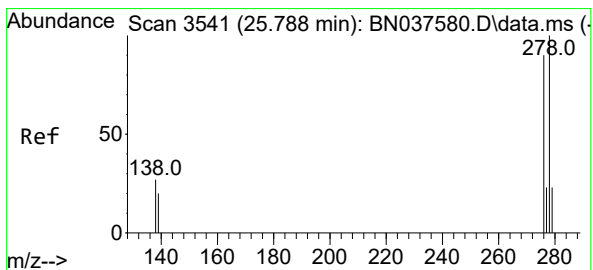
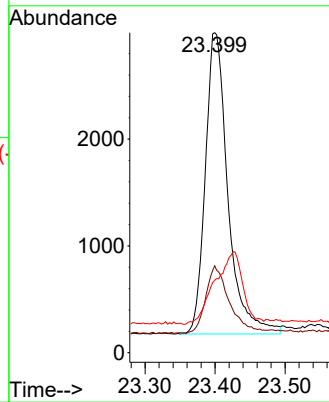
Tgt Ion:252 Resp: 6340

Ion Ratio Lower Upper

252 100

253 27.2 21.6 32.4

125 22.7 16.8 25.2



#40

Dibenzo(a,h)anthracene

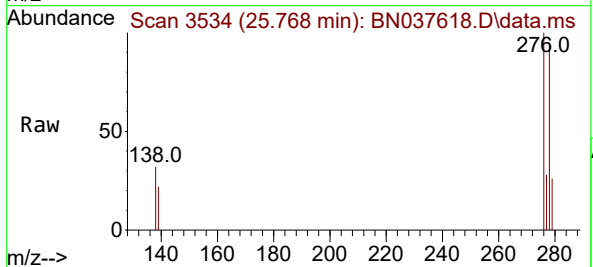
Concen: 0.409 ng

RT: 25.768 min Scan# 3534

Delta R.T. -0.020 min

Lab File: BN037618.D

Acq: 20 Aug 2025 04:14



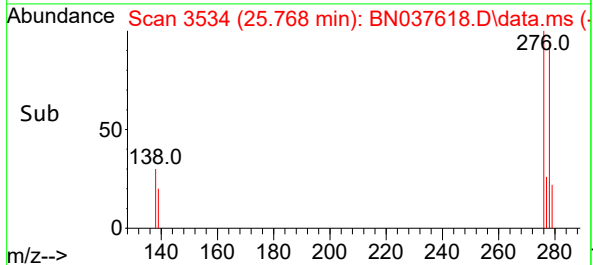
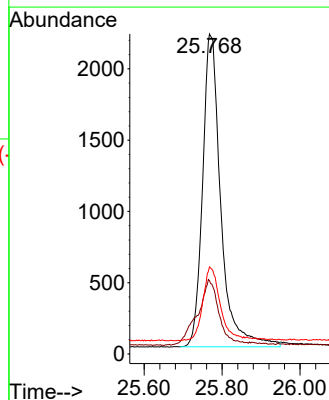
Tgt Ion:278 Resp: 7121

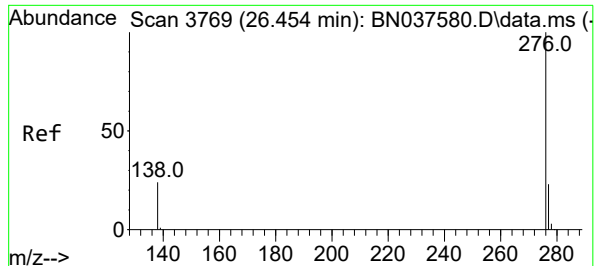
Ion Ratio Lower Upper

278 100

139 22.9 18.3 27.5

279 27.2 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 0.397 ng

RT: 26.440 min Scan# 31

Delta R.T. -0.014 min

Lab File: BN037618.D

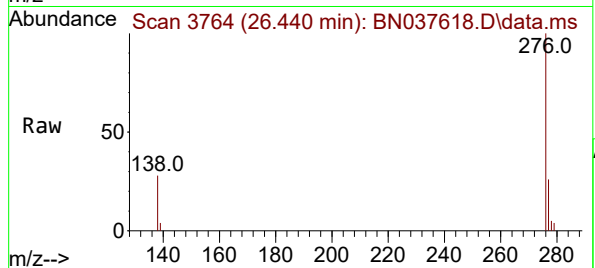
Acq: 20 Aug 2025 04:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



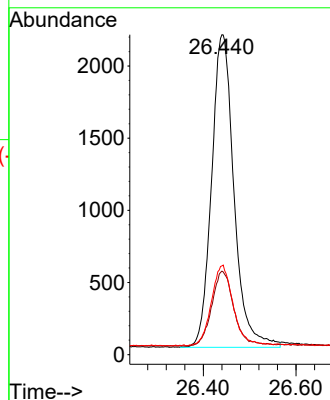
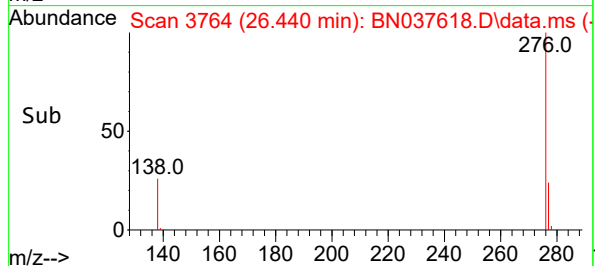
Tgt Ion:276 Resp: 7272

Ion Ratio Lower Upper

276 100

277 26.1 21.0 31.4

138 27.7 21.7 32.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037618.D
 Acq On : 20 Aug 2025 04:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Aug 20 06:13:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 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	125	0.00
2	1,4-Dioxane	0.383	0.380	0.8	120	0.00
3	n-Nitrosodimethylamine	0.489	0.477	2.5	122	0.00
4 S	2-Fluorophenol	0.907	0.875	3.5	123	0.00
5 S	Phenol-d6	1.091	1.045	4.2	125	0.00
6	bis(2-Chloroethyl)ether	0.983	0.962	2.1	123	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	120	0.00
8 S	Nitrobenzene-d5	0.282	0.281	0.4	129	0.00
9	Naphthalene	1.065	1.067	-0.2	123	-0.01
10	Hexachlorobutadiene	0.260	0.274	-5.4	126	-0.01
11 SURR	2-Methylnaphthalene-d10	0.544	0.498	8.5	118	0.00
12	2-Methylnaphthalene	0.668	0.645	3.4	122	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	122	0.00
14 S	2,4,6-Tribromophenol	0.175	0.175	0.0	137	0.00
15 S	2-Fluorobiphenyl	2.313	2.246	2.9	119	0.00
16	Acenaphthylene	1.793	1.764	1.6	126	-0.01
17	Acenaphthene	1.220	1.173	3.9	122	0.00
18	Fluorene	1.596	1.541	3.4	123	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	121	0.00
20	4,6-Dinitro-2-methylphenol	0.053	0.034	35.8#	90	0.00
21	4-Bromophenyl-phenylether	0.251	0.249	0.8	129	-0.01
22	Hexachlorobenzene	0.356	0.375	-5.3	128	0.00
23	Atrazine	0.142	0.154	-8.5	144	0.00
24	Pentachlorophenol	0.125	0.132	-5.6	141	0.00
25	Phenanthrene	1.216	1.182	2.8	123	0.00
26	Anthracene	1.077	1.016	5.7	124	-0.01
27 SURR	Fluoranthene-d10	1.052	0.951	9.6	121	0.00
28	Fluoranthene	1.397	1.314	5.9	123	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	127	0.00
30	Pyrene	1.495	1.509	-0.9	131	0.00
31 S	Terphenyl-d14	0.823	0.793	3.6	127	0.00
32	Benzo(a)anthracene	1.336	1.314	1.6	132	0.00
33	Chrysene	1.489	1.447	2.8	129	0.00
34	Bis(2-ethylhexyl)phthalate	0.551	0.649	-17.8	158#	0.00
35 I	Perylene-d12	1.000	1.000	0.0	127	0.00
36	Indeno(1,2,3-cd)pyrene	1.686	1.756	-4.2	138	-0.01
37	Benzo(b)fluoranthene	1.516	1.417	6.5	135	0.00
38	Benzo(k)fluoranthene	1.710	1.672	2.2	129	0.00
39 C	Benzo(a)pyrene	1.257	1.191	5.3	132	-0.01
40	Dibenzo(a,h)anthracene	1.308	1.338	-2.3	139	-0.02
41	Benzo(g,h,i)perylene	1.378	1.366	0.9	138	-0.01

(#) = 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\BN081925\
 Data File : BN037618.D
 Acq On : 20 Aug 2025 04:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Aug 20 06:13:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 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	125	0.00
2	1,4-Dioxane	0.400	0.397	0.8	120	0.00
3	n-Nitrosodimethylamine	0.400	0.390	2.5	122	0.00
4 S	2-Fluorophenol	0.400	0.386	3.5	123	0.00
5 S	Phenol-d6	0.400	0.383	4.3	125	0.00
6	bis(2-Chloroethyl)ether	0.400	0.391	2.3	123	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	120	0.00
8 S	Nitrobenzene-d5	0.400	0.399	0.3	129	0.00
9	Naphthalene	0.400	0.401	-0.3	123	-0.01
10	Hexachlorobutadiene	0.400	0.422	-5.5	126	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.366	8.5	118	0.00
12	2-Methylnaphthalene	0.400	0.386	3.5	122	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	122	0.00
14 S	2,4,6-Tribromophenol	0.400	0.400	0.0	137	0.00
15 S	2-Fluorobiphenyl	0.400	0.388	3.0	119	0.00
16	Acenaphthylene	0.400	0.394	1.5	126	-0.01
17	Acenaphthene	0.400	0.385	3.8	122	0.00
18	Fluorene	0.400	0.386	3.5	123	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	121	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.368	8.0	90	0.00
21	4-Bromophenyl-phenylether	0.400	0.396	1.0	129	-0.01
22	Hexachlorobenzene	0.400	0.420	-5.0	128	0.00
23	Atrazine	0.400	0.433	-8.2	144	0.00
24	Pentachlorophenol	0.400	0.422	-5.5	141	0.00
25	Phenanthrene	0.400	0.389	2.8	123	0.00
26	Anthracene	0.400	0.377	5.8	124	-0.01
27 SURR	Fluoranthene-d10	0.400	0.361	9.8	121	0.00
28	Fluoranthene	0.400	0.376	6.0	123	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	127	0.00
30	Pyrene	0.400	0.404	-1.0	131	0.00
31 S	Terphenyl-d14	0.400	0.385	3.8	127	0.00
32	Benzo(a)anthracene	0.400	0.393	1.8	132	0.00
33	Chrysene	0.400	0.389	2.8	129	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.471	-17.7	158	0.00
35 I	Perylene-d12	0.400	0.400	0.0	127	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.417	-4.2	138	-0.01
37	Benzo(b)fluoranthene	0.400	0.374	6.5	135	0.00
38	Benzo(k)fluoranthene	0.400	0.391	2.3	129	0.00
39 C	Benzo(a)pyrene	0.400	0.379	5.3	132	-0.01
40	Dibenzo(a,h)anthracene	0.400	0.409	-2.2	139	-0.02
41	Benzo(g,h,i)perylene	0.400	0.397	0.8	138	-0.01

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



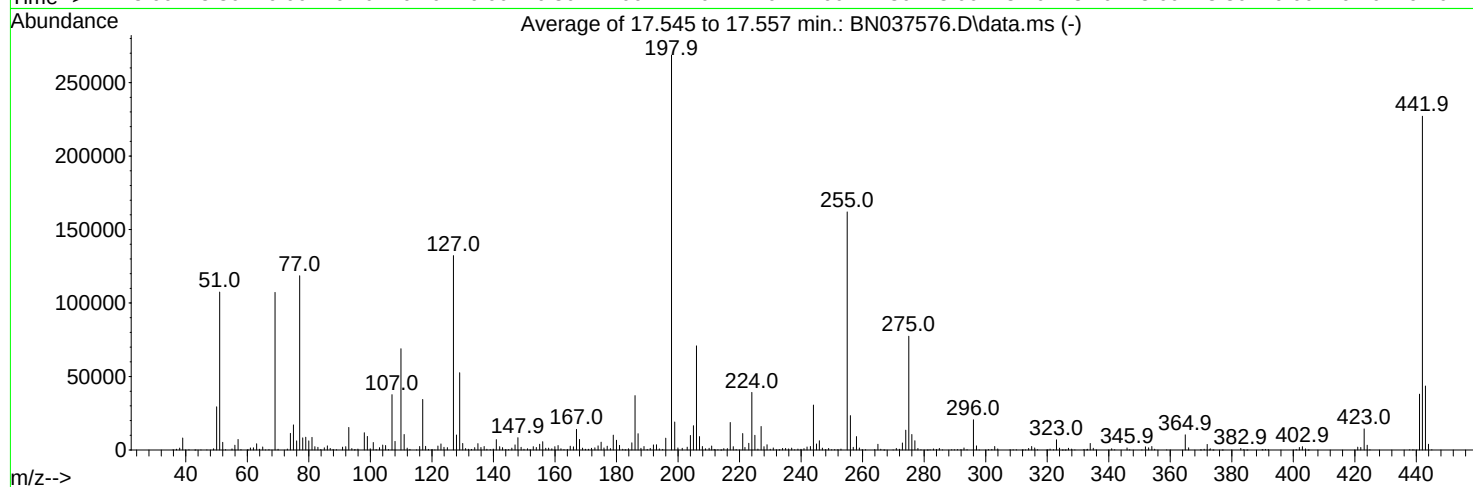
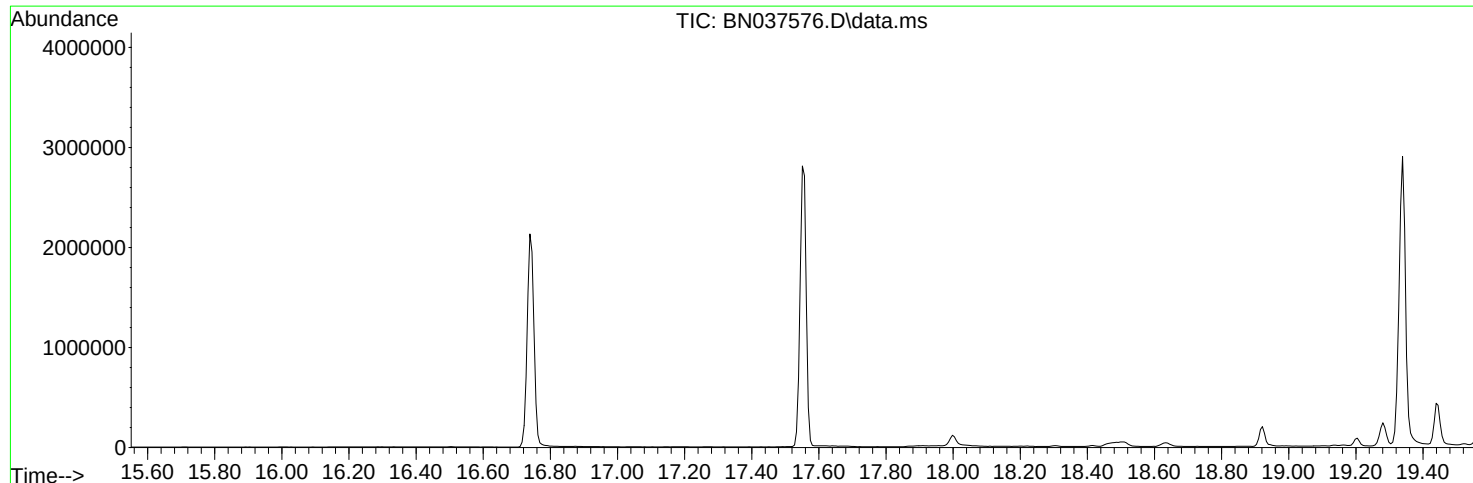
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037576.D
Acq On : 12 Aug 2025 15:05
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-BN081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 13 05:00:58 2025



AutoFind: Scans 2458, 2459, 2460; Background Corrected with Scan 2451

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	107227	PASS
70	69	0.00	2	0.6	598	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	268651	PASS
199	198	5	9	7.1	19058	PASS
365	198	1	100	3.9	10363	PASS
441	443	0.01	150	87.2	38019	PASS
442	442	100	100	100.0	227139	PASS
443	442	15	24	19.2	43589	PASS

DDT Breakdown

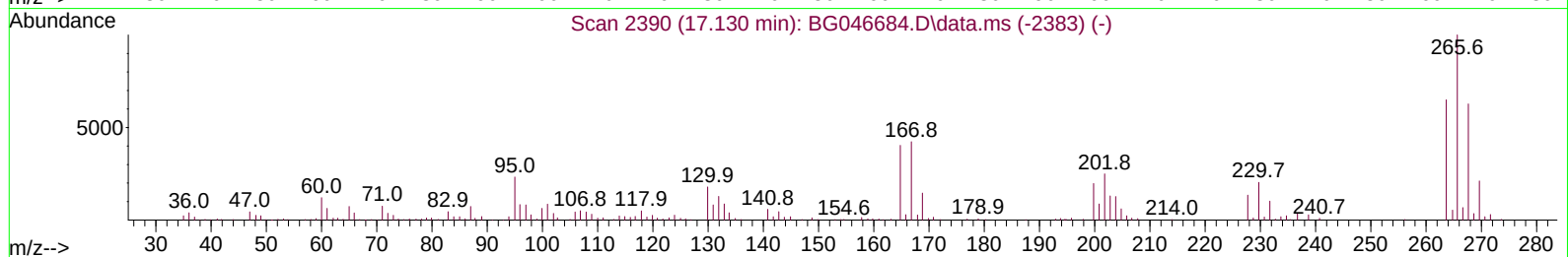
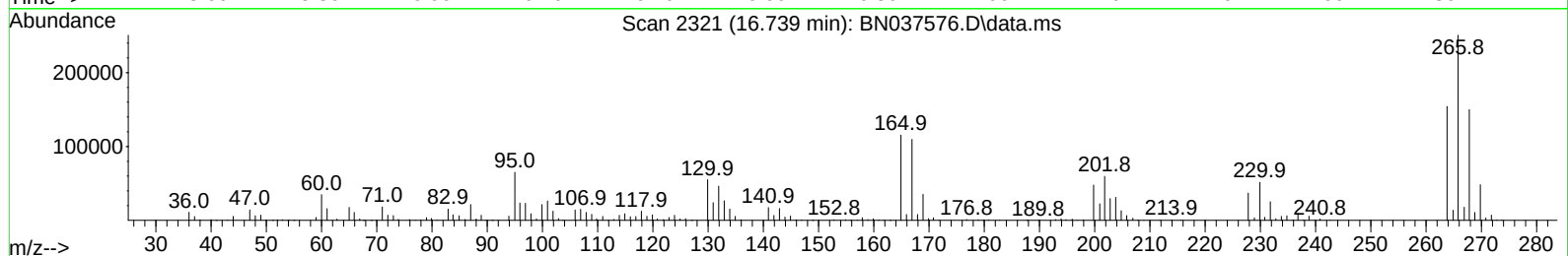
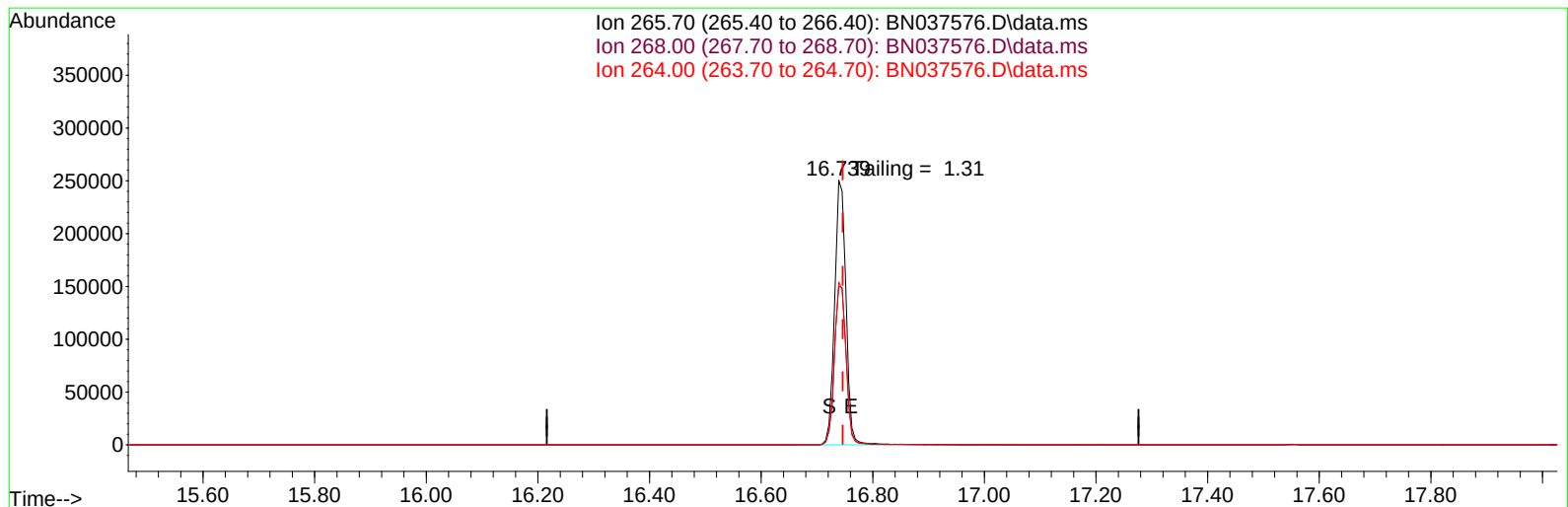
Date	Instrument Name	DFTPP Data File
8/12/2025	BNA_N	<u>BN037576.D</u>
Compound Name	Response	Retention Time
DDT	903527	20.586
DDD	9291	20.192
DDE	170	19.633
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9461	912988	1.04

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037576.D
Acq On : 12 Aug 2025 15:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Aug 13 06:28:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 01:49:15 2025
Response via : Initial Calibration



TIC: BN037576.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.007) 29662.60 ng

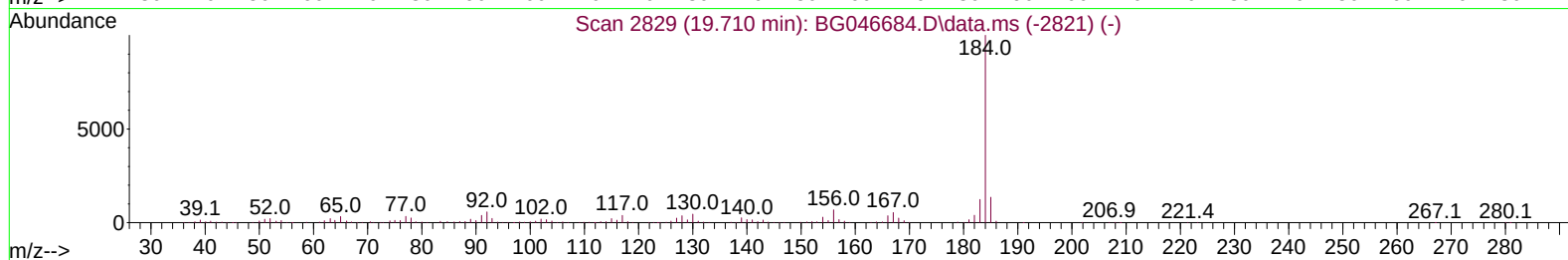
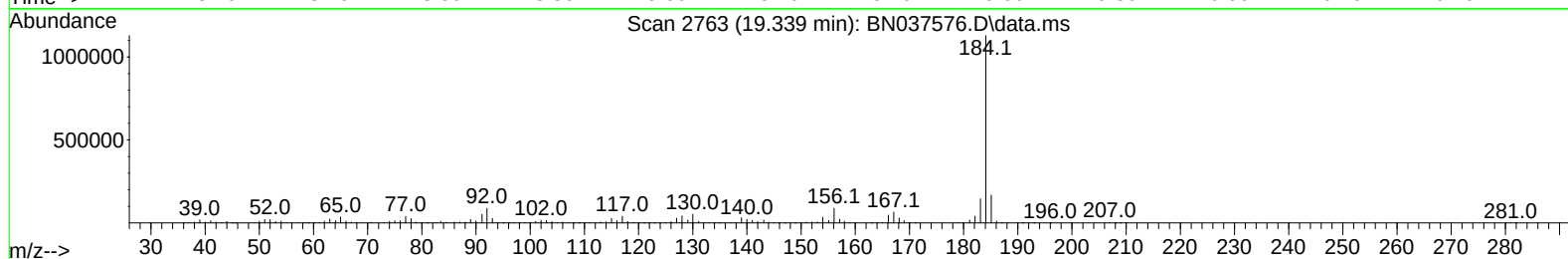
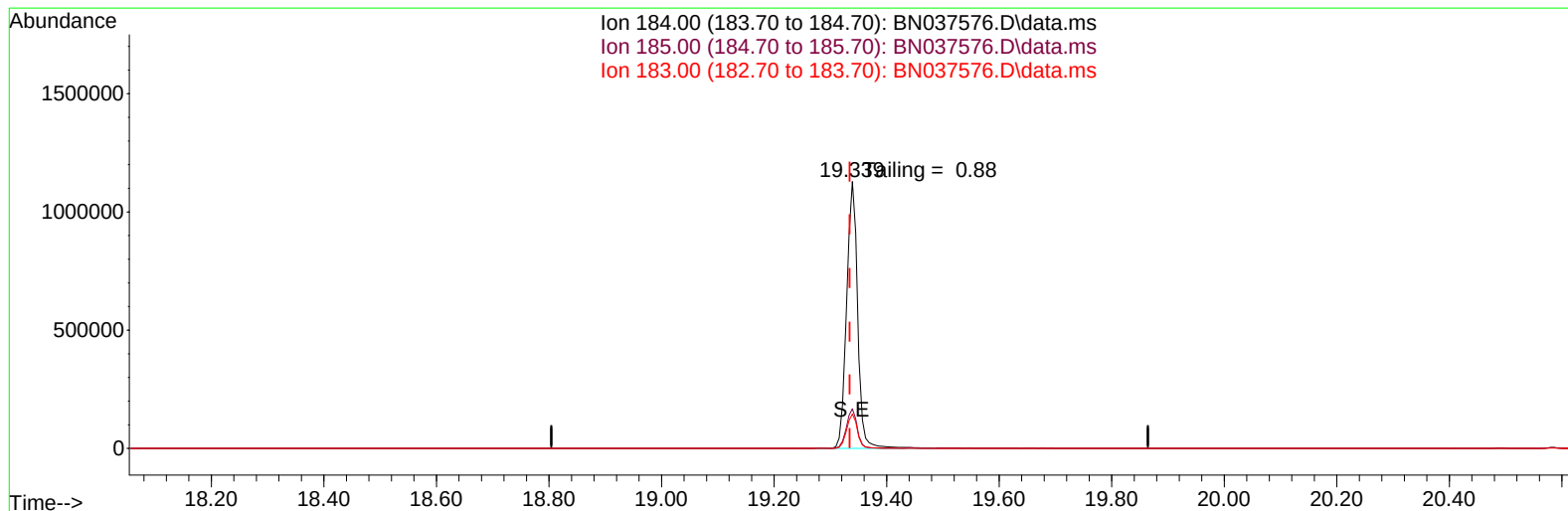
response 357790

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	59.87
264.00	61.60	61.53
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081225\
Data File : BN037576.D
Acq On : 12 Aug 2025 15:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Aug 13 06:28:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 01:49:15 2025
Response via : Initial Calibration



TIC: BN037576.D\data.ms

(77) Benzidine

19.339min (+ 0.005) 0.00 ng

response 1542567

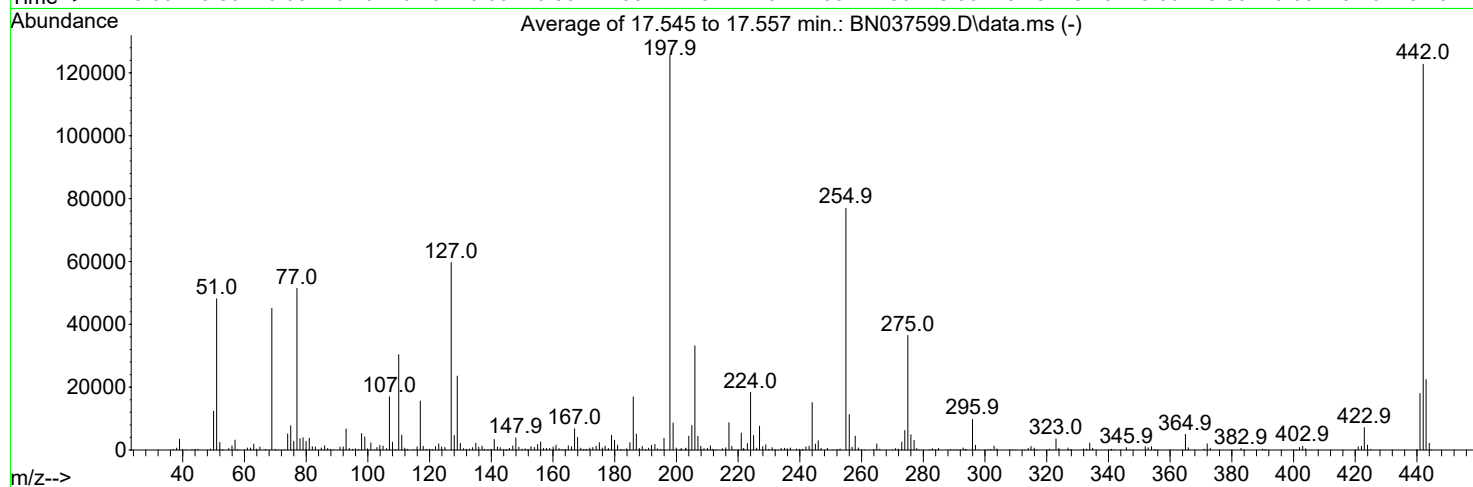
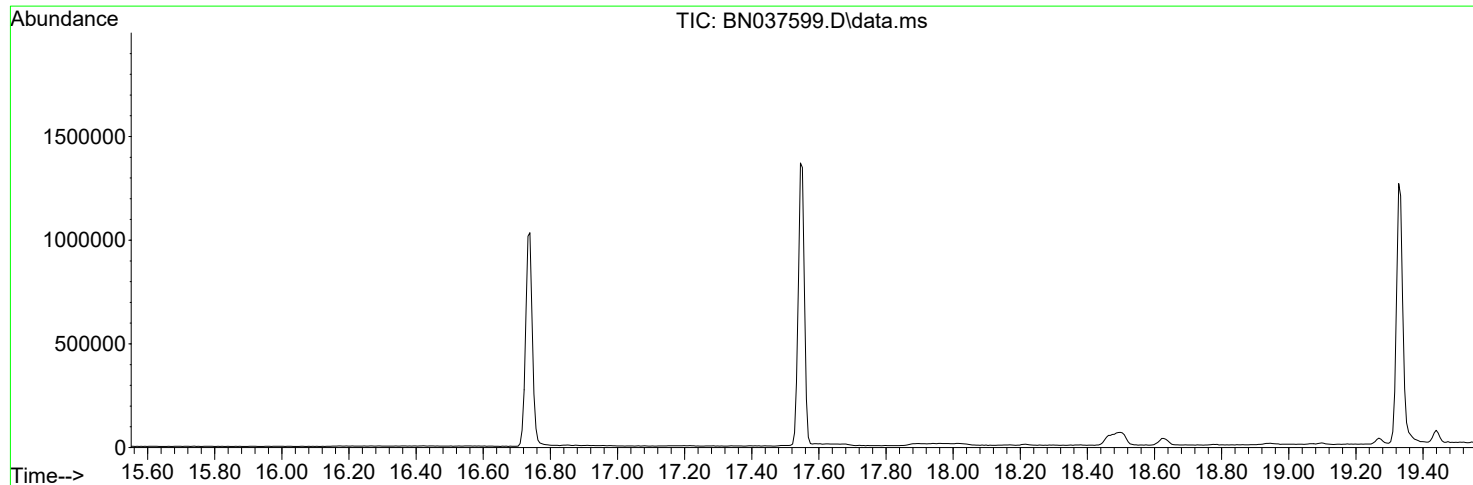
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.86
183.00	13.20	12.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037599.D
Acq On : 19 Aug 2025 10:00
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-BN081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 13 05:00:58 2025



AutoFind: Scans 2458, 2459, 2460; Background Corrected with Scan 2451

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	45078	PASS
70	69	0.00	2	0.5	240	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	125645	PASS
199	198	5	9	6.9	8618	PASS
365	198	1	100	4.0	4986	PASS
441	443	0.01	150	80.4	18037	PASS
442	442	100	100	100.0	122741	PASS
443	442	15	24	18.3	22437	PASS

DDT Breakdown

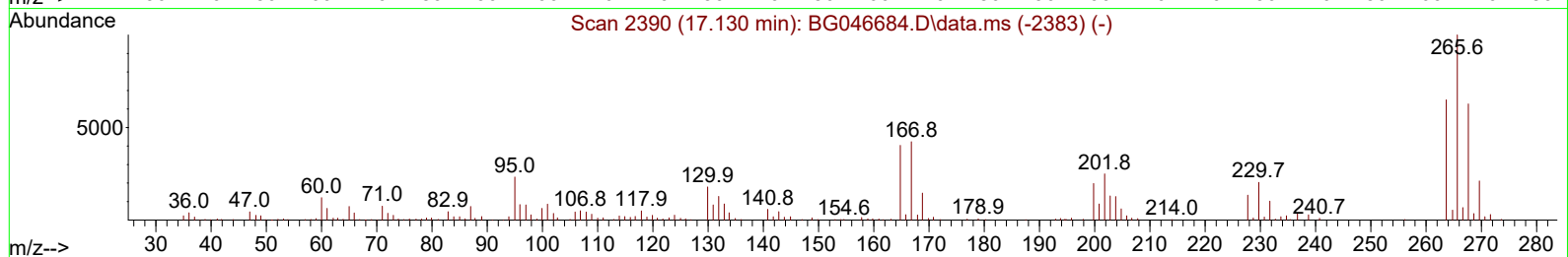
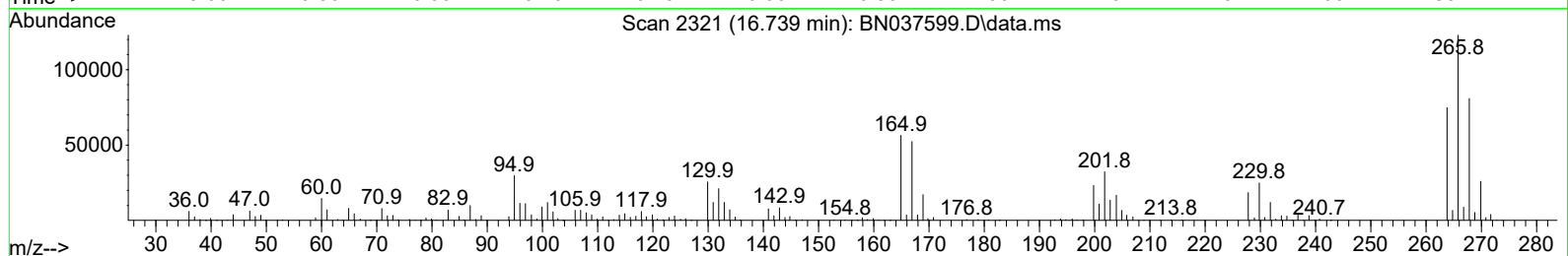
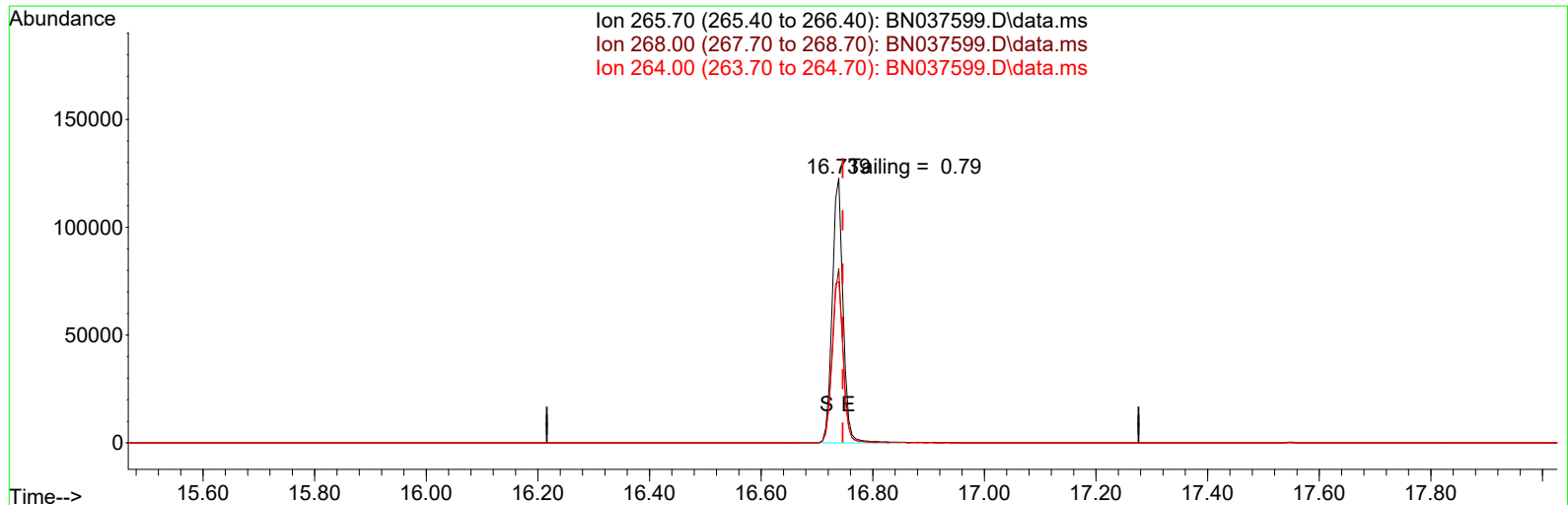
Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_N	<u>BN037599.D</u>
Compound Name	Response	Retention Time
DDT	413417	20.574
DDD	3425	20.133
DDE	498	19.627
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3923	417340	0.94

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037599.D
Acq On : 19 Aug 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Aug 20 06:58:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 01:49:15 2025
Response via : Initial Calibration



TIC: BN037599.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.007) 26205.47 ng

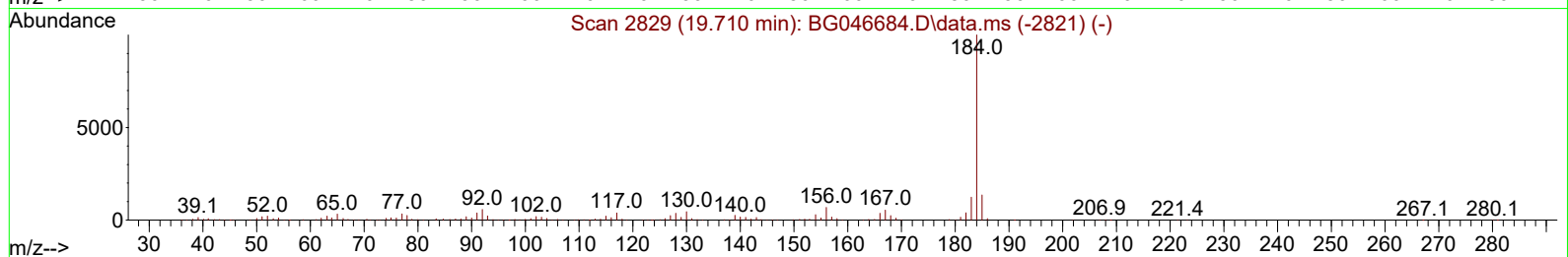
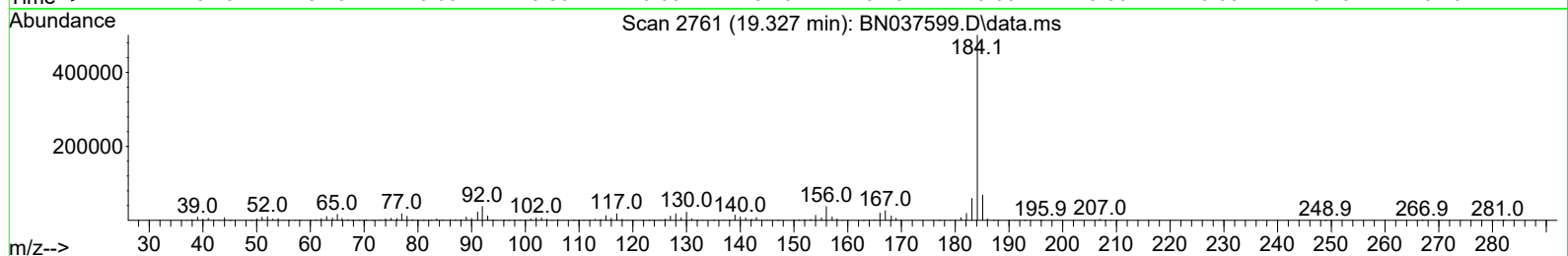
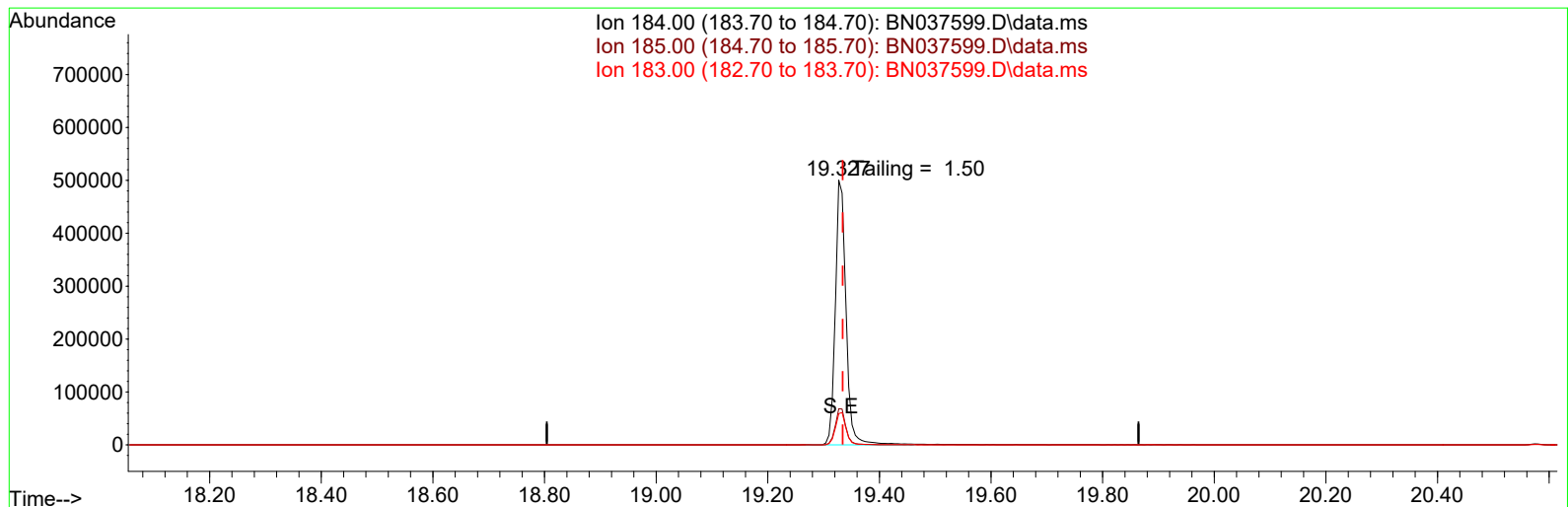
response 166374

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.84
264.00	61.60	60.88
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037599.D
Acq On : 19 Aug 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Aug 20 06:58:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 01:49:15 2025
Response via : Initial Calibration



TIC: BN037599.D\data.ms

(77) Benzydine

19.327min (-0.007) 0.00 ng

response 670806

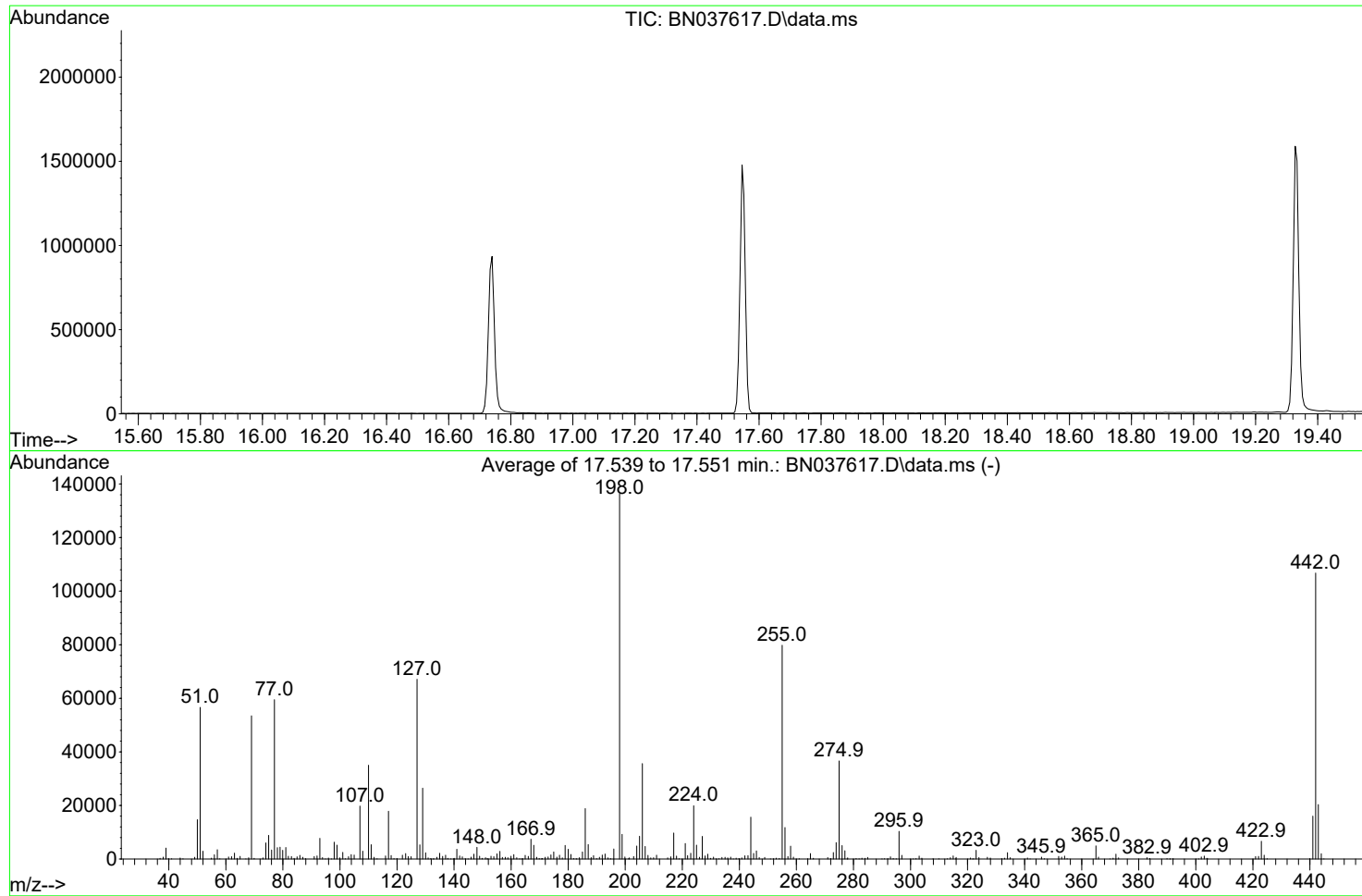
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.65
183.00	13.20	11.83
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037617.D
Acq On : 20 Aug 2025 03:35
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-BN081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 13 05:00:58 2025



AutoFind: Scans 2457, 2458, 2459; Background Corrected with Scan 2451

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	0.9	485	PASS
69	69	100	100	100.0	53448	PASS
70	69	0.00	2	0.6	308	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	136293	PASS
199	198	5	9	6.8	9235	PASS
365	198	1	100	3.6	4939	PASS
441	443	0.01	150	79.0	16038	PASS
442	442	100	100	100.0	106744	PASS
443	442	15	24	19.0	20305	PASS

DDT Breakdown

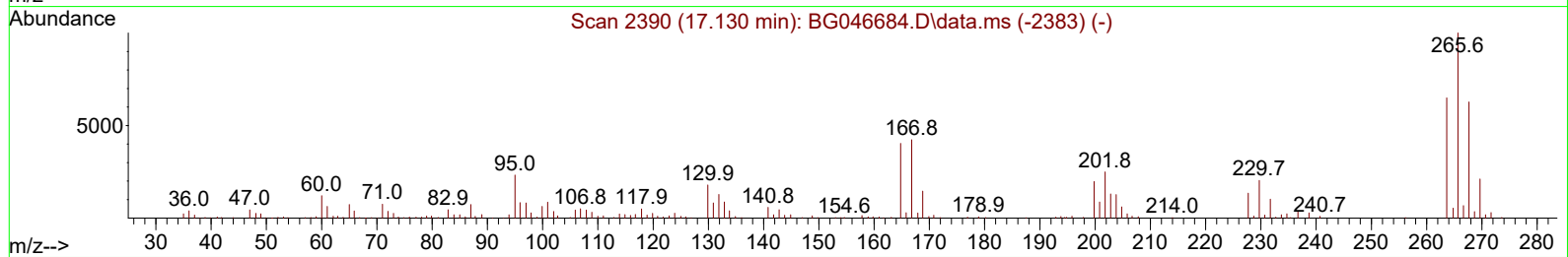
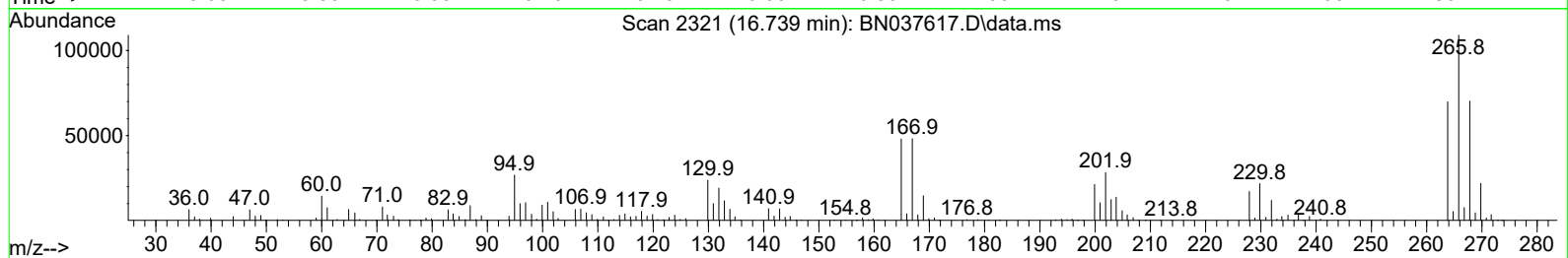
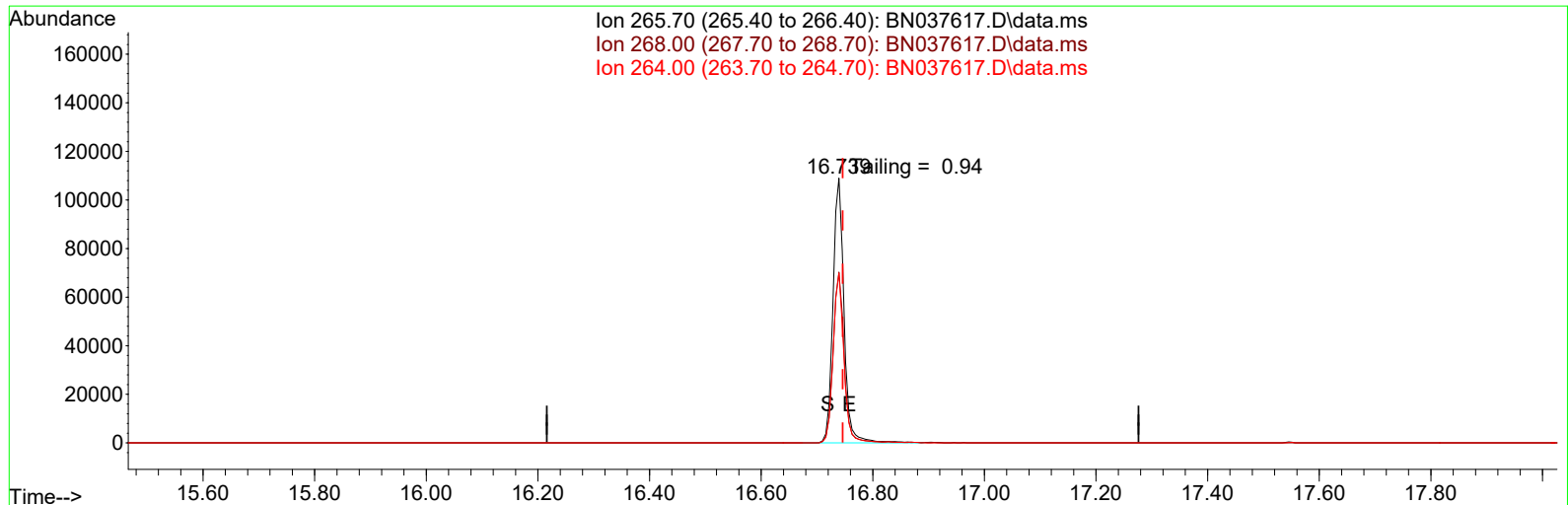
Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_N	<u>BN037617.D</u>
Compound Name	Response	Retention Time
DDT	466043	20.575
DDD	8008	20.133
DDE	521	19.628
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8529	474572	1.80

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037617.D
Acq On : 20 Aug 2025 03:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Aug 20 07:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 01:49:15 2025
Response via : Initial Calibration



TIC: BN037617.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.006) 24577.65 ng

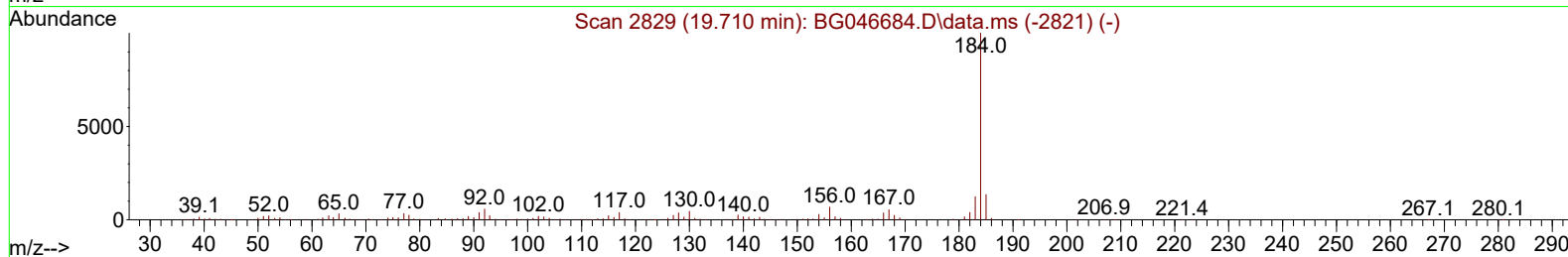
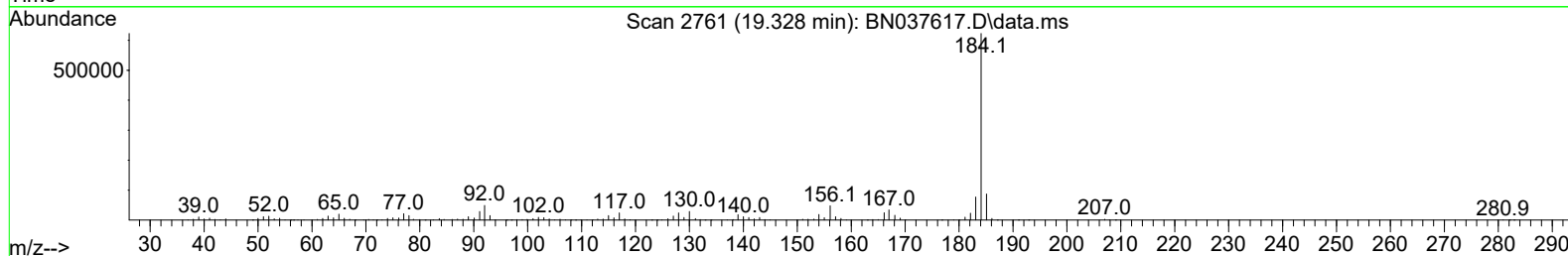
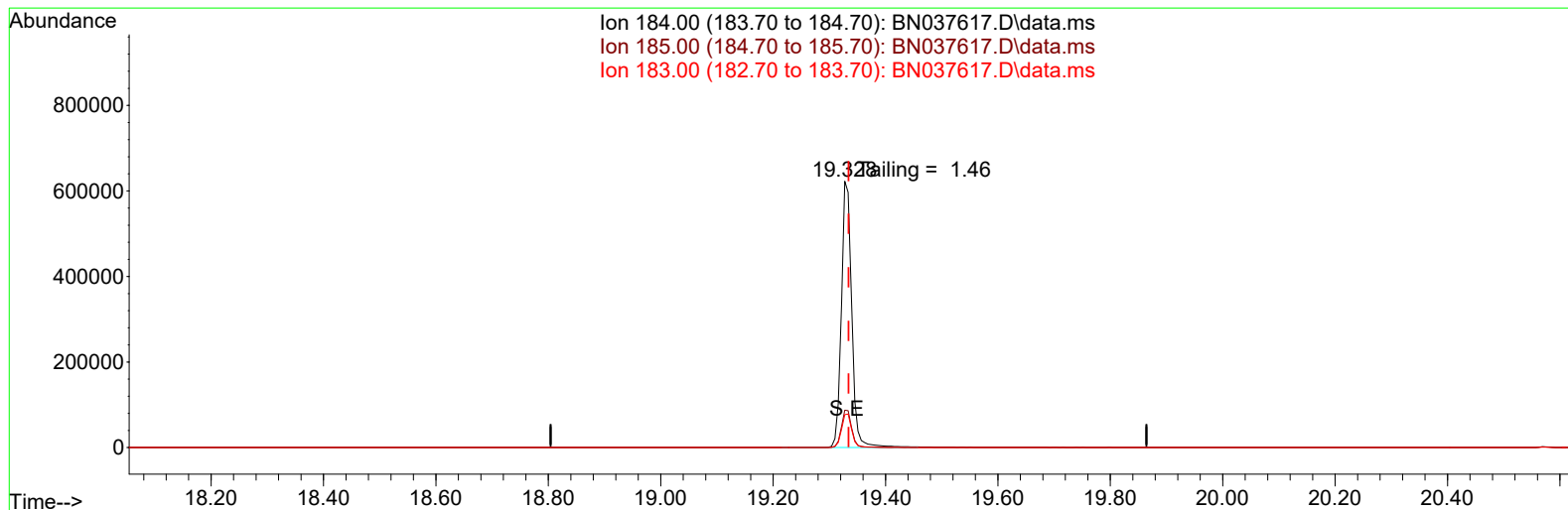
response 150060

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.52
264.00	61.60	64.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037617.D
Acq On : 20 Aug 2025 03:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Aug 20 07:01:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 01:49:15 2025
Response via : Initial Calibration



TIC: BN037617.D\data.ms

(77) Benzidine

19.328min (-0.006) 0.00 ng

response 801660

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.02
183.00	13.20	12.34
0.00	0.00	0.00

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB169286BL	SDG No.:	Q2869
Lab Sample ID:	PB169286BL	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
BN037619.D	1	08/18/25 08:41	08/20/25 04:50	PB169286

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	0.32		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 (54) - 150 (157)	83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2320	7.71			
1146-65-2	Naphthalene-d8	5230	10.498			
15067-26-2	Acenaphthene-d10	2340	14.345			
1517-22-2	Phenanthrene-d10	4470	17.087			
1719-03-5	Chrysene-d12	3730	21.268			
1520-96-3	Perylene-d12	3550	23.499			

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\BN081925\
 Data File : BN037619.D
 Acq On : 20 Aug 2025 04:50
 Operator : RC/JU
 Sample : PB169286BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB169286BL

Quant Time: Aug 20 06:13:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2323	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5229	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2344	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4466	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3733	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	3552	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1799	0.342	ng	0.00
5) Phenol-d6	6.880	99	1860	0.293	ng	0.00
8) Nitrobenzene-d5	8.854	82	1323	0.359	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2298	0.323	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	240	0.234	ng	0.01
15) 2-Fluorobiphenyl	12.968	172	4692	0.346	ng	0.00
27) Fluoranthene-d10	19.118	212	3886	0.331	ng	0.00
31) Terphenyl-d14	19.717	244	2840	0.370	ng	0.00

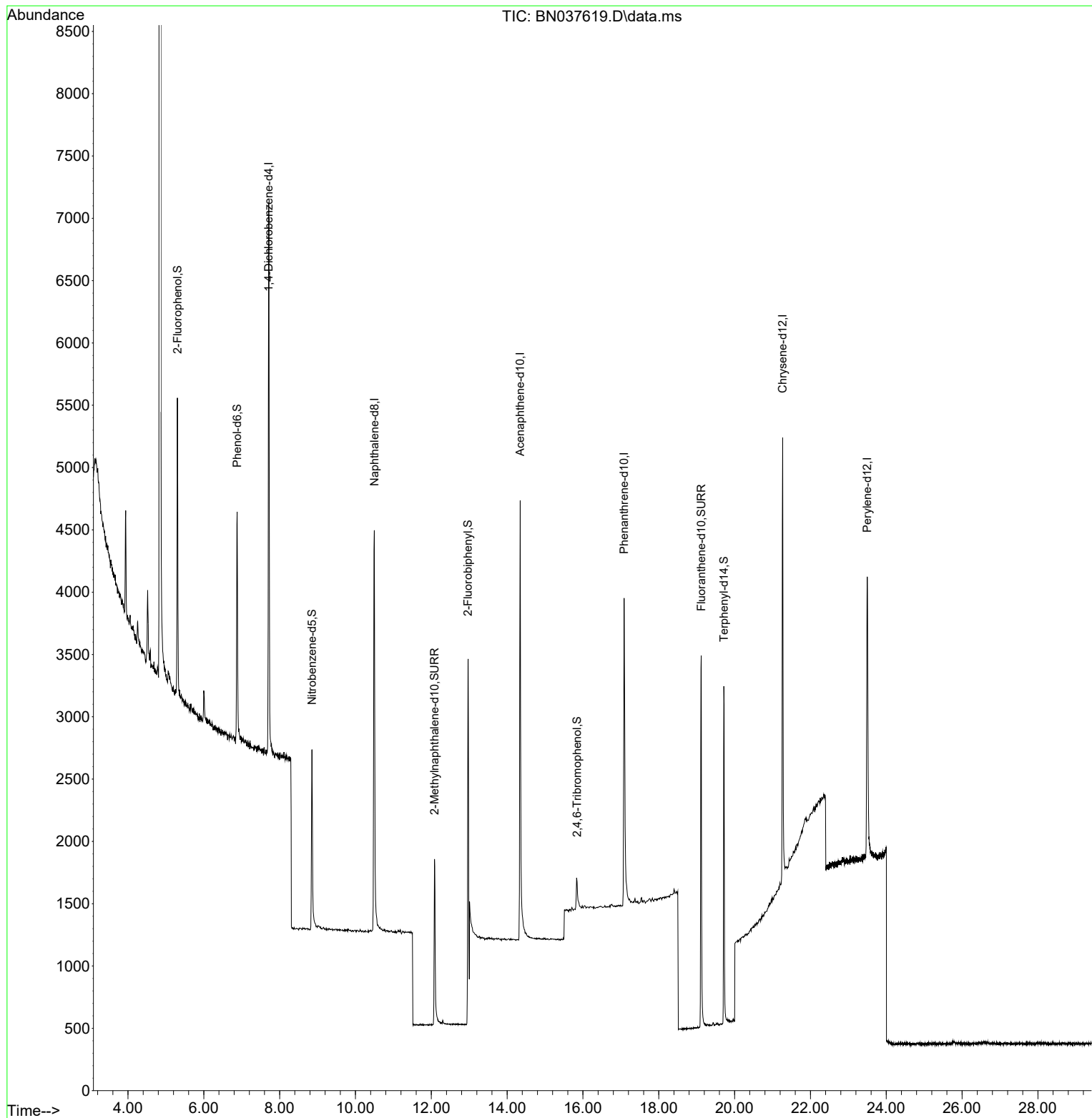
Target Compounds	Qvalue

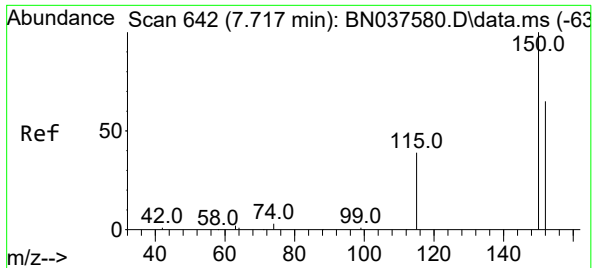
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037619.D
Acq On : 20 Aug 2025 04:50
Operator : RC/JU
Sample : PB169286BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Quant Time: Aug 20 06:13:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

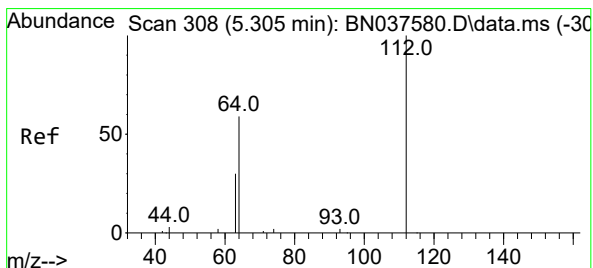
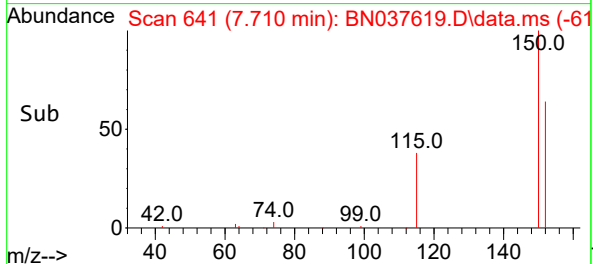
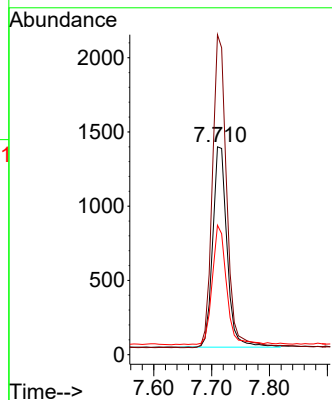
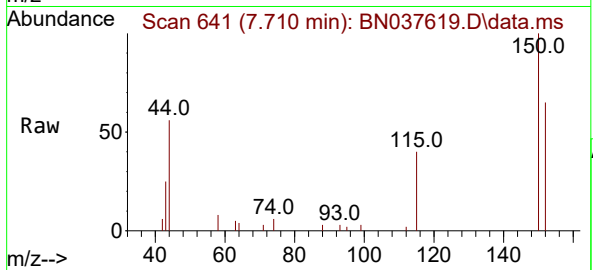




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 641
Delta R.T. -0.007 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

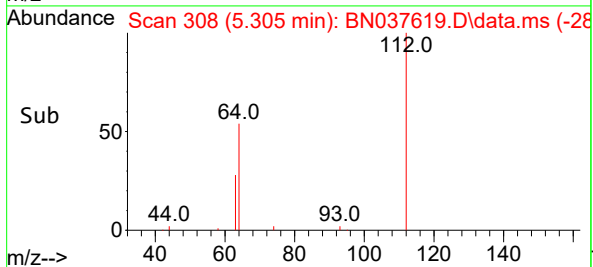
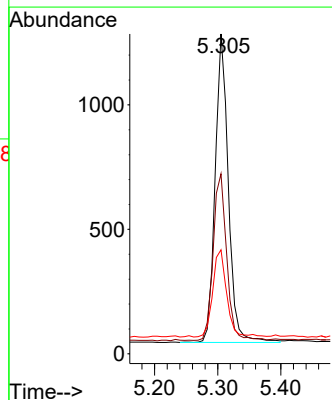
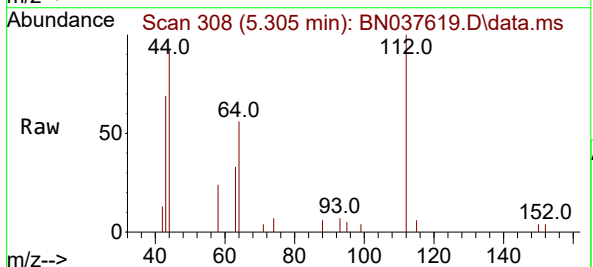
Instrument :
BNA_N
ClientSampleId :
PB169286BL

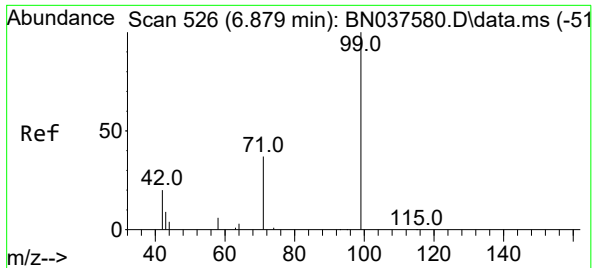
Tgt Ion:152 Resp: 2323
Ion Ratio Lower Upper
152 100
150 153.9 122.2 183.4
115 62.3 49.8 74.6



#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:112 Resp: 1799
Ion Ratio Lower Upper
112 100
64 55.3 44.9 67.3
63 30.0 23.4 35.2

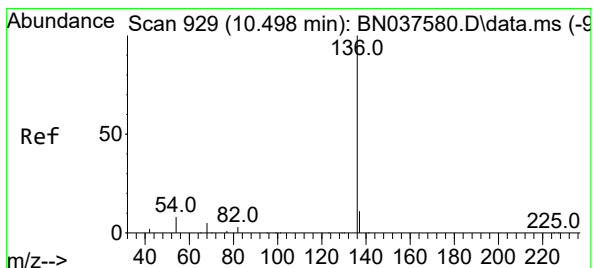
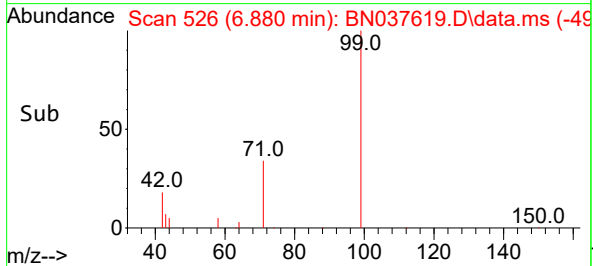
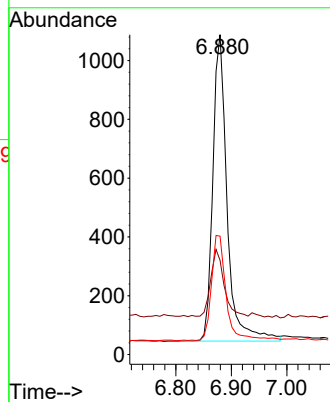
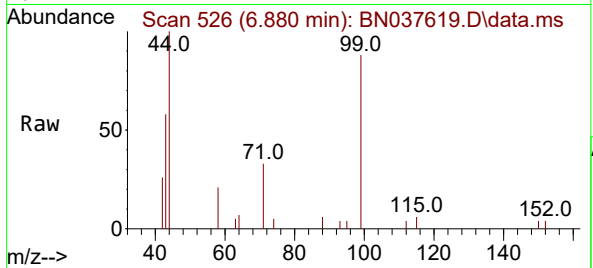




#5
Phenol-d6
Concen: 0.293 ng
RT: 6.880 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

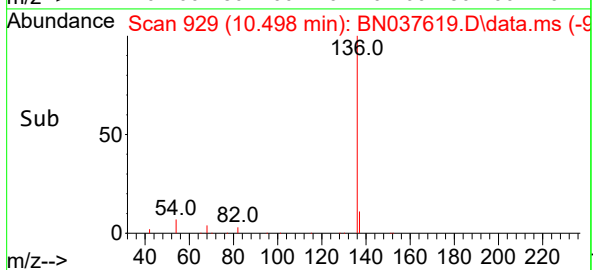
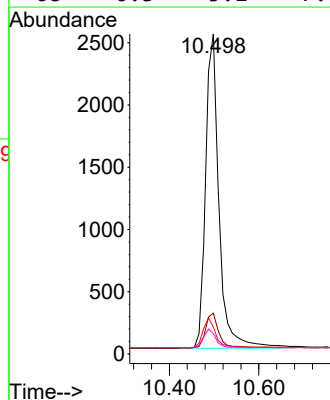
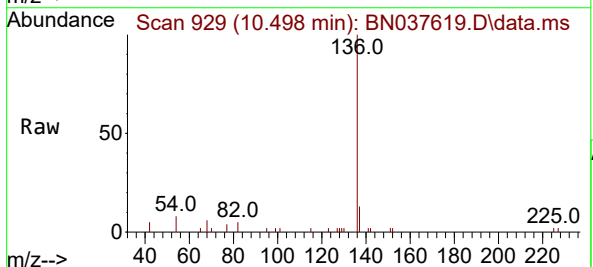
Instrument :
BNA_N
ClientSampleId :
PB169286BL

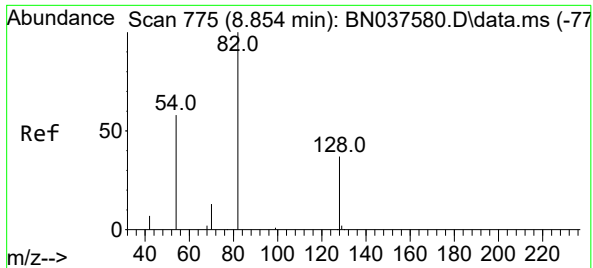
Tgt Ion: 99 Resp: 1860
Ion Ratio Lower Upper
99 100
42 20.8 18.5 27.7
71 35.5 28.6 42.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion: 136 Resp: 5229
Ion Ratio Lower Upper
136 100
137 12.8 9.5 14.3
54 8.4 7.3 10.9
68 6.3 5.1 7.7

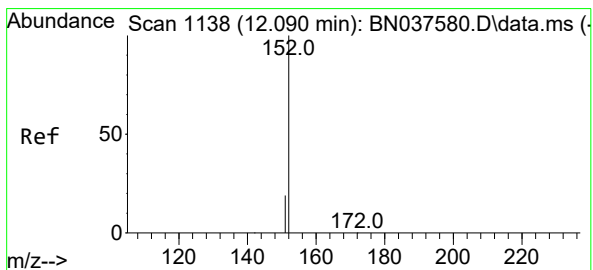
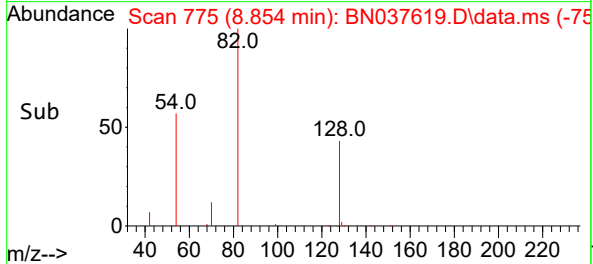
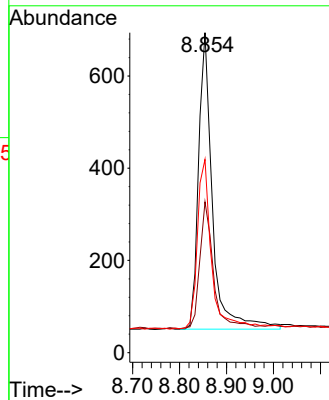
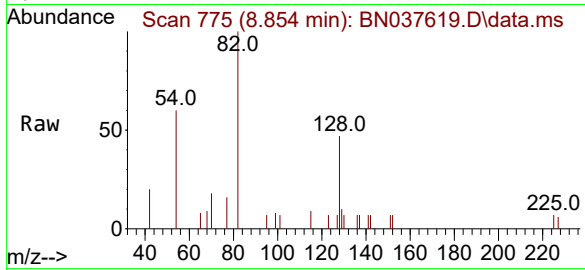




#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

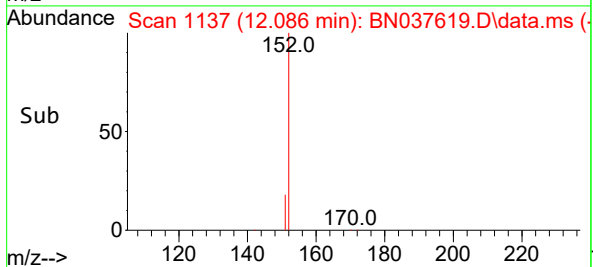
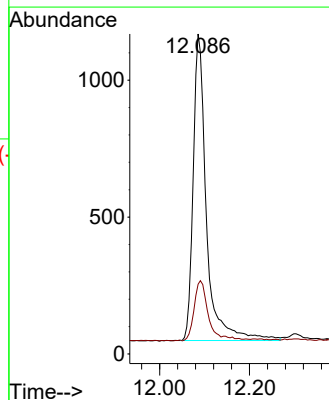
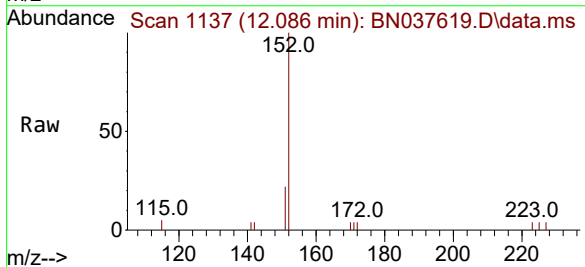
Instrument :
BNA_N
ClientSampleId :
PB169286BL

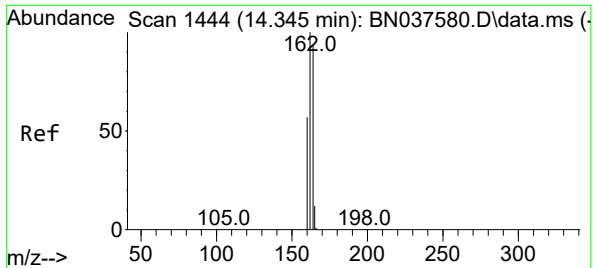
Tgt Ion: 82 Resp: 1323
Ion Ratio Lower Upper
82 100
128 47.1 32.6 48.8
54 60.4 48.9 73.3



#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion: 152 Resp: 2298
Ion Ratio Lower Upper
152 100
151 21.3 17.3 25.9

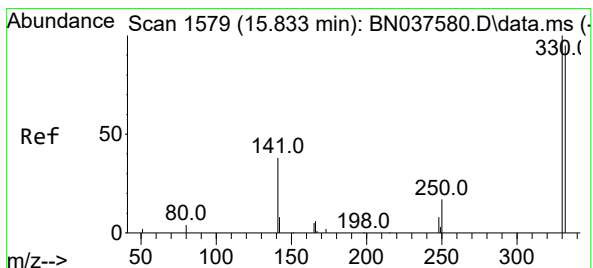
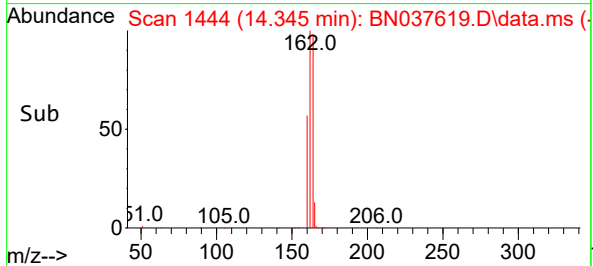
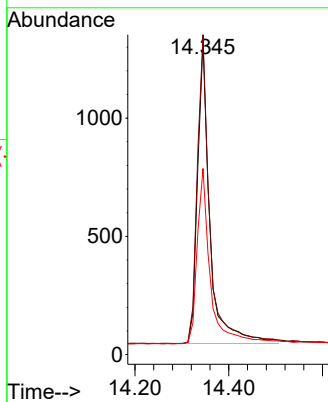
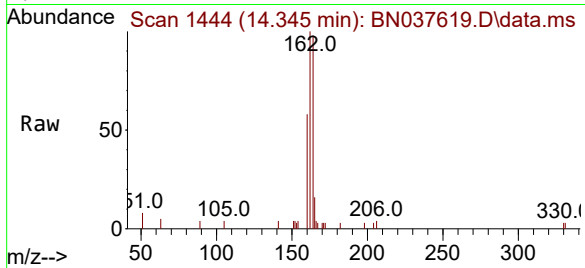




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

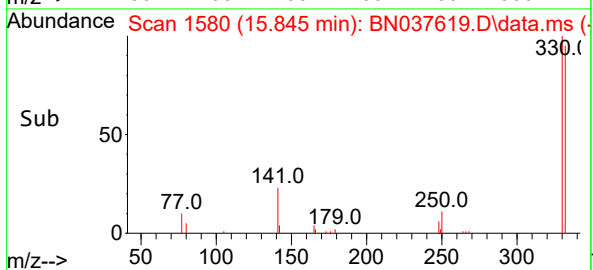
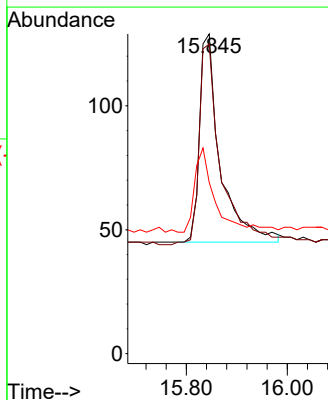
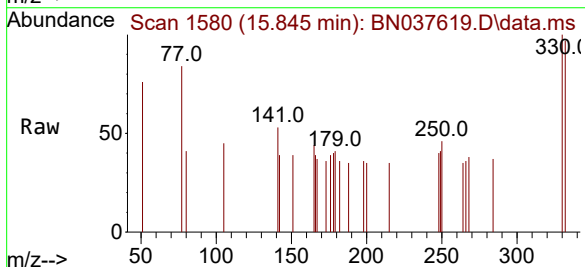
Instrument :
BNA_N
ClientSampleId :
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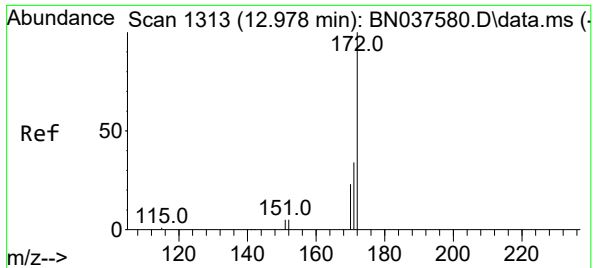
Tgt Ion:164 Resp: 2344
Ion Ratio Lower Upper
164 100
162 102.2 85.5 128.3
160 59.4 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.013 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:330 Resp: 240
Ion Ratio Lower Upper
330 100
332 101.3 77.4 116.0
141 40.0 30.9 46.3

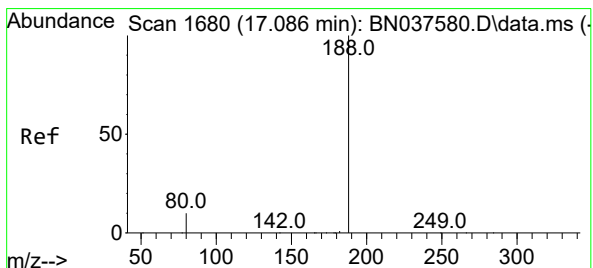
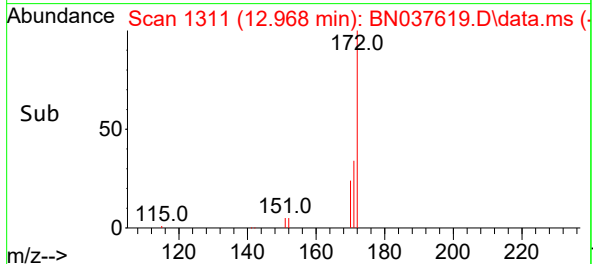
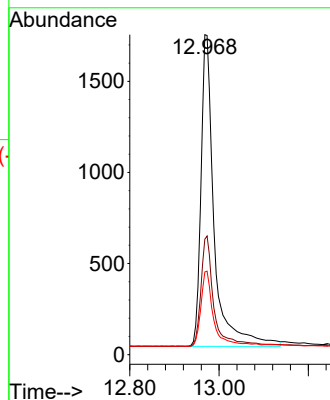
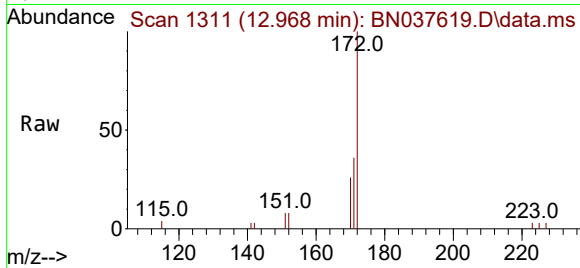




#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

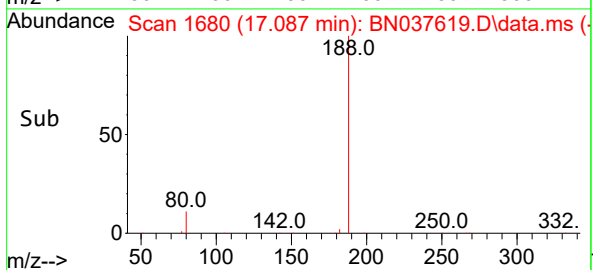
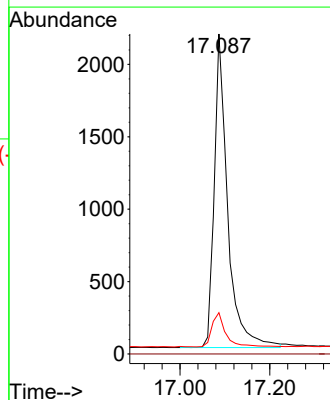
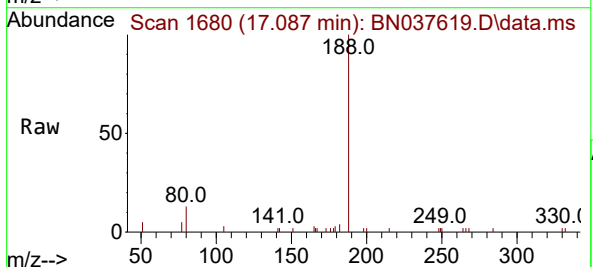
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BNA_N
ClientSampleId :
PB169286BL

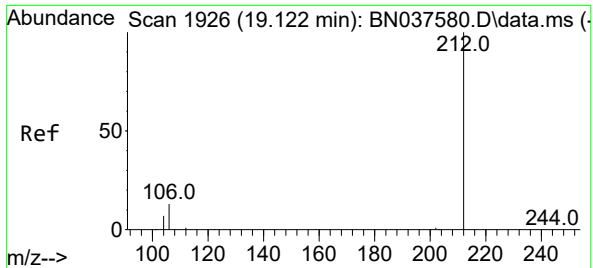
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	25.9	19.2	28.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	9.1	13.7

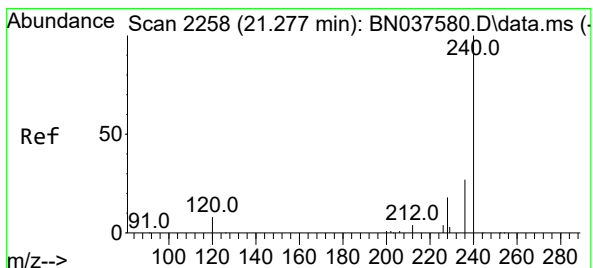
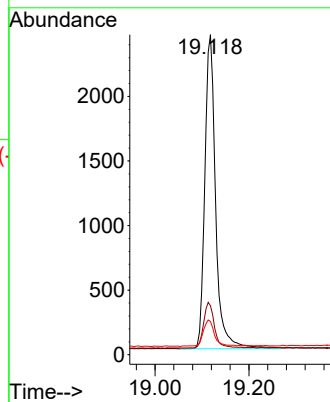
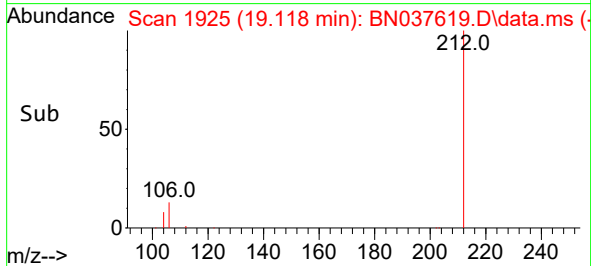
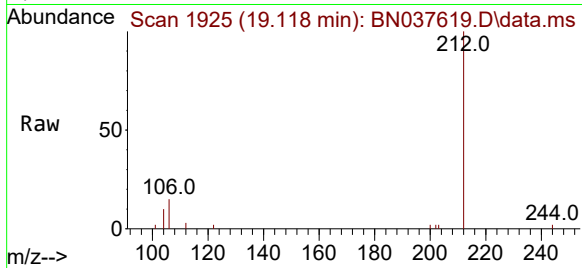




#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

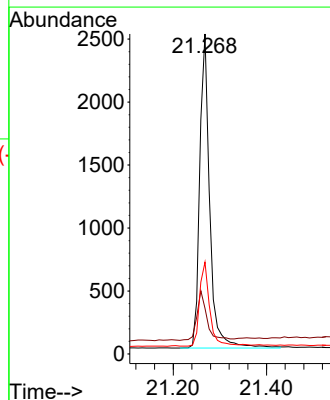
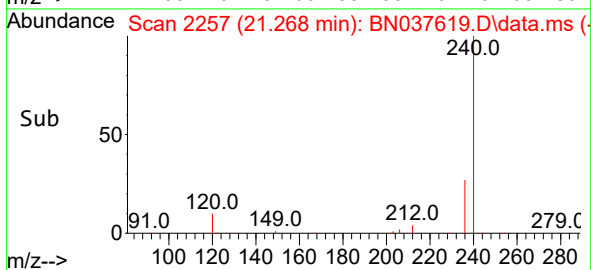
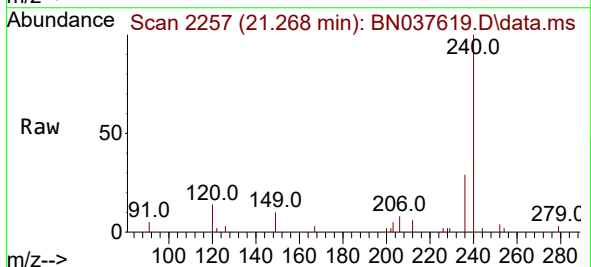
Instrument :
BNA_N
ClientSampleId :
PB169286BL

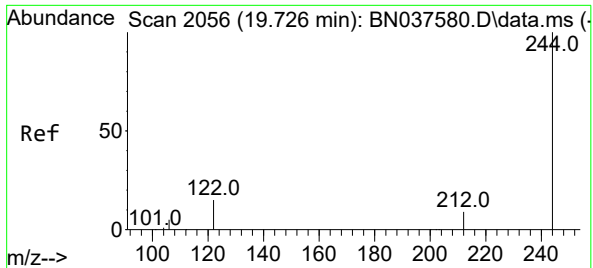
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	9.3	6.6	9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3
236	28.7	22.6	33.8

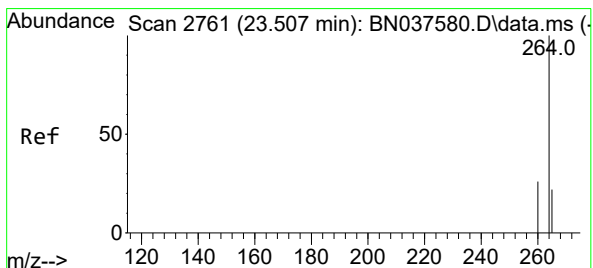
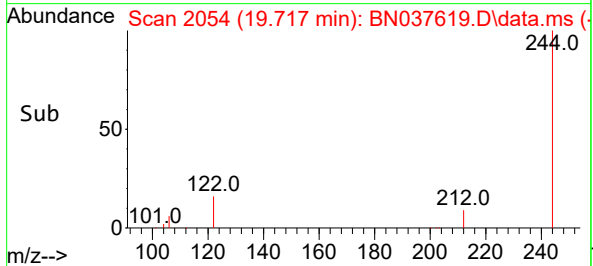
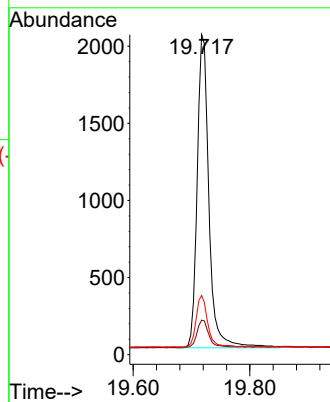
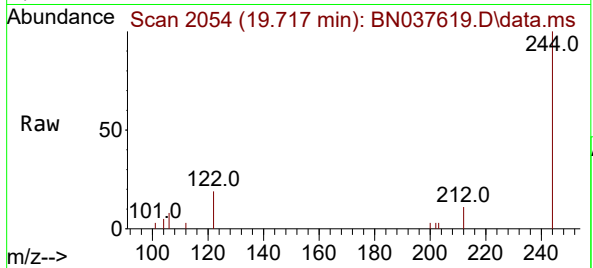




#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

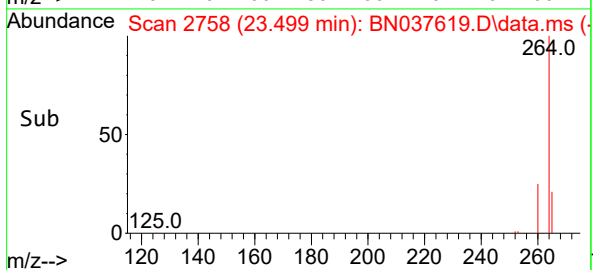
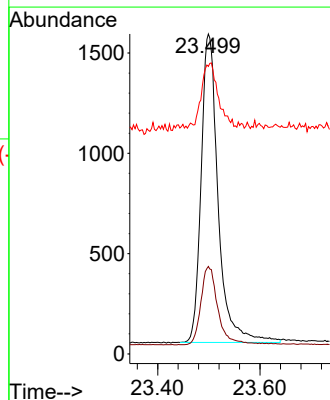
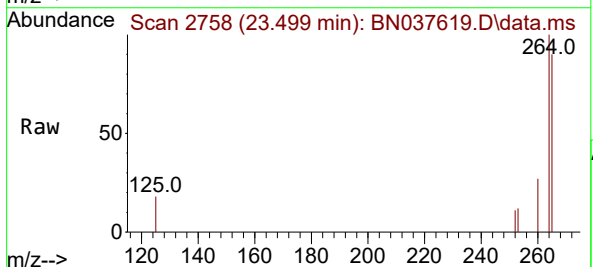
Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:244 Resp: 2840
Ion Ratio Lower Upper
244 100
212 10.8 8.2 12.2
122 18.5 13.2 19.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.008 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:264 Resp: 3552
Ion Ratio Lower Upper
264 100
260 27.3 21.6 32.4
265 89.8 48.2 72.4#



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB169286BS	SDG No.:	Q2869
Lab Sample ID:	PB169286BS	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
BN037630.D	1	08/18/25 08:41	08/20/25 11:25	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (54) - 130 (175)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2390	7.71			
1146-65-2	Naphthalene-d8	5620	10.487			
15067-26-2	Acenaphthene-d10	2630	14.345			
1517-22-2	Phenanthrene-d10	5040	17.086			
1719-03-5	Chrysene-d12	4180	21.268			
1520-96-3	Perylene-d12	3780	23.502			

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\BN081925\
 Data File : BN037630.D
 Acq On : 20 Aug 2025 11:25
 Operator : RC/JU
 Sample : PB169286BS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB169286BS

Quant Time: Aug 21 04:13:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

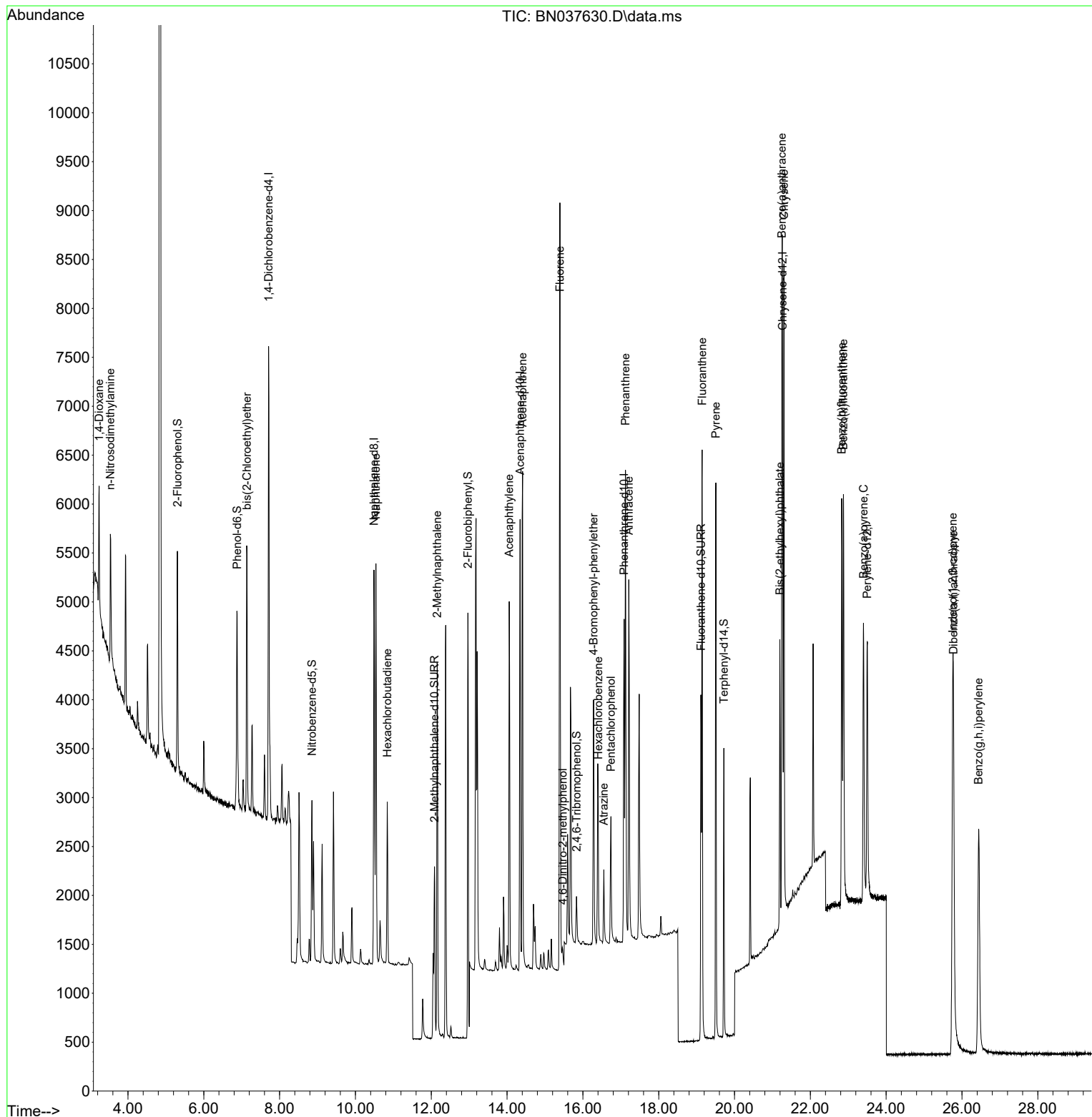
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2389	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	5616	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2629	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5040	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4175	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3780	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1761	0.325	ng	0.00
5) Phenol-d6	6.879	99	1961	0.301	ng	0.00
8) Nitrobenzene-d5	8.854	82	1380	0.349	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2508	0.329	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	342	0.297	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	5503	0.362	ng	-0.01
27) Fluoranthene-d10	19.113	212	4038	0.305	ng	0.00
31) Terphenyl-d14	19.717	244	3008	0.350	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	677	0.296	ng	# 78
3) n-Nitrosodimethylamine	3.535	42	966	0.331	ng	95
6) bis(2-Chloroethyl)ether	7.139	93	2041	0.347	ng	96
9) Naphthalene	10.541	128	5264	0.352	ng	99
10) Hexachlorobutadiene	10.840	225	1357	0.371	ng	# 99
12) 2-Methylnaphthalene	12.156	142	2891	0.308	ng	100
16) Acenaphthylene	14.056	152	4394	0.373	ng	100
17) Acenaphthene	14.409	154	2664	0.332	ng	99
18) Fluorene	15.392	166	3473	0.331	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	153	0.348	ng	# 79
21) 4-Bromophenyl-phenylether	16.280	248	1063	0.336	ng	# 82
22) Hexachlorobenzene	16.404	284	1644	0.366	ng	98
23) Atrazine	16.553	200	688	0.384	ng	95
24) Pentachlorophenol	16.739	266	719	0.456	ng	96
25) Phenanthrene	17.124	178	5179	0.338	ng	99
26) Anthracene	17.210	178	4635	0.342	ng	100
28) Fluoranthene	19.146	202	5464	0.310	ng	100
30) Pyrene	19.508	202	5332	0.342	ng	100
32) Benzo(a)anthracene	21.250	228	4944	0.355	ng	98
33) Chrysene	21.304	228	5598	0.360	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	1867	0.324	ng	100
36) Indeno(1,2,3-cd)pyrene	25.756	276	5812	0.365	ng	99
37) Benzo(b)fluoranthene	22.829	252	5325	0.372	ng	97
38) Benzo(k)fluoranthene	22.873	252	5420	0.335	ng	97
39) Benzo(a)pyrene	23.402	252	4490	0.378	ng	95
40) Dibenzo(a,h)anthracene	25.776	278	4445	0.360	ng	100
41) Benzo(g,h,i)perylene	26.440	276	5149	0.395	ng	98

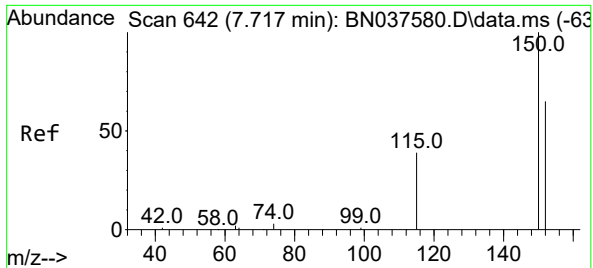
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : PB169286BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BS

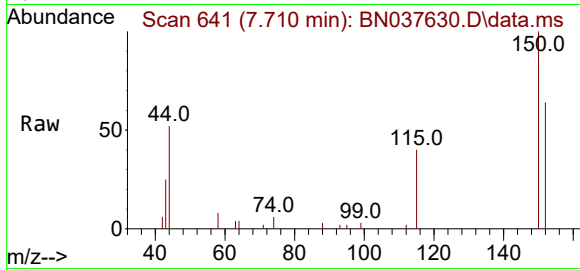
Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



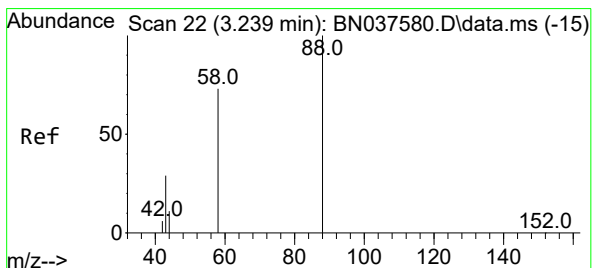
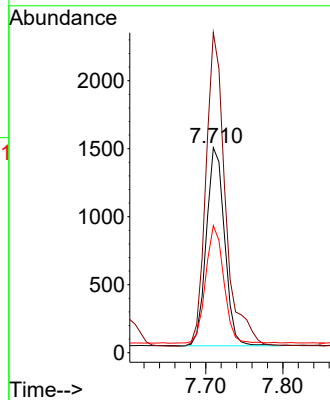
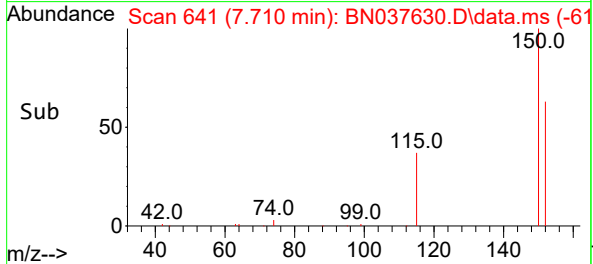


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_N
ClientSampleId :
PB169286BS

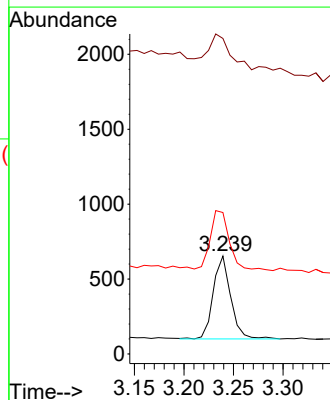
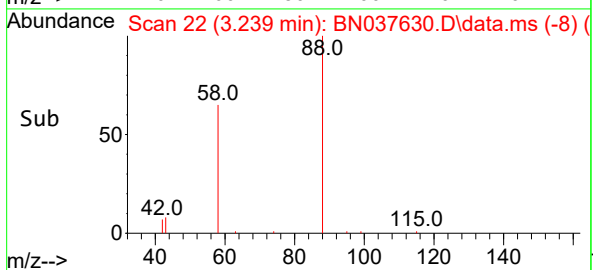
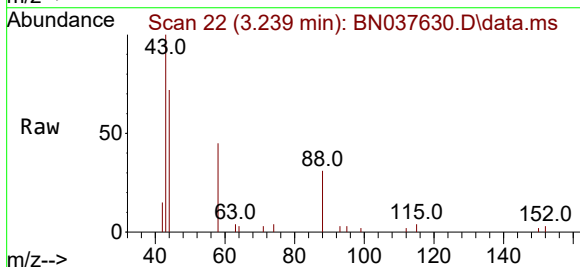


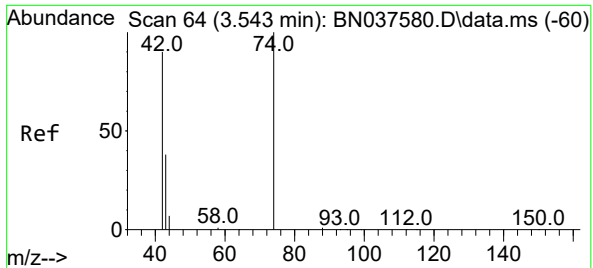
Tgt Ion:152 Resp: 2389
Ion Ratio Lower Upper
152 100
150 156.1 122.2 183.4
115 62.0 49.8 74.6



#2
1,4-Dioxane
Concen: 0.296 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 88 Resp: 677
Ion Ratio Lower Upper
88 100
43 67.7 25.8 38.6#
58 80.4 61.2 91.8

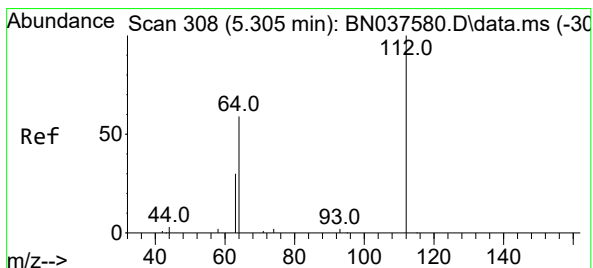
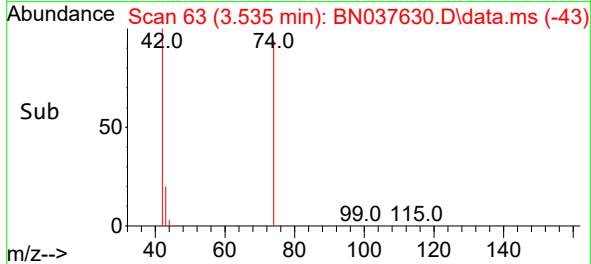
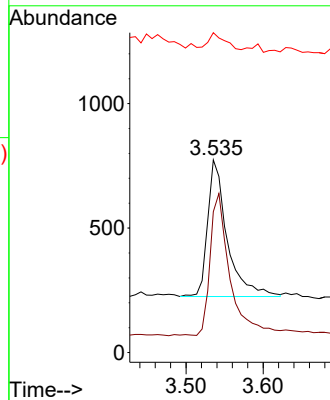
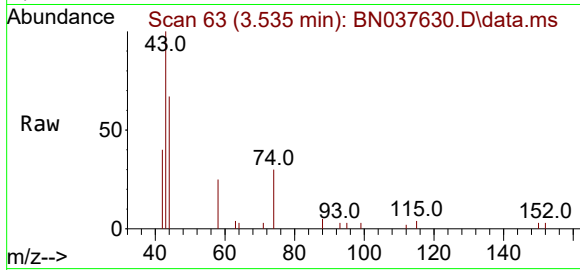




#3
 n-Nitrosodimethylamine
 Concen: 0.331 ng
 RT: 3.535 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037630.D
 Acq: 20 Aug 2025 11:25

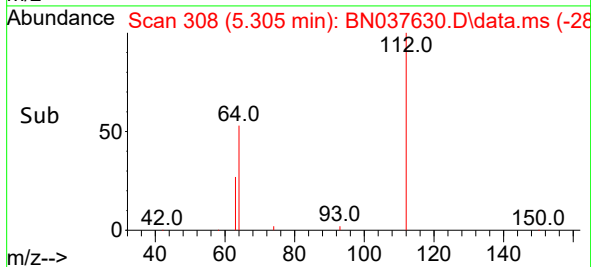
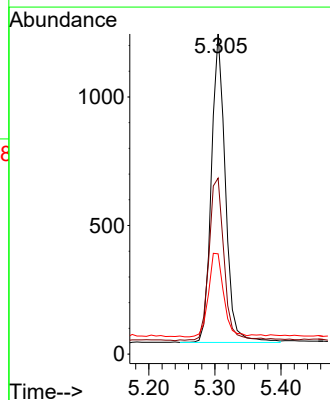
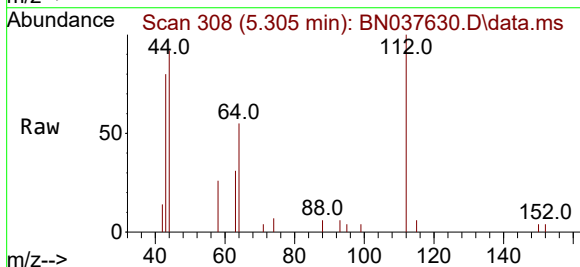
Instrument :
 BNA_N
 ClientSampleId :
 PB169286BS

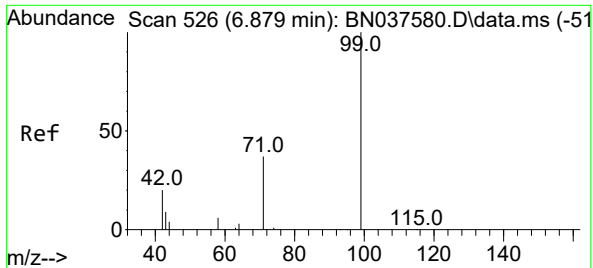
Tgt Ion: 42 Resp: 966
 Ion Ratio Lower Upper
 42 100
 74 107.3 82.0 123.0
 44 10.8 7.9 11.9



#4
 2-Fluorophenol
 Concen: 0.325 ng
 RT: 5.305 min Scan# 308
 Delta R.T. 0.000 min
 Lab File: BN037630.D
 Acq: 20 Aug 2025 11:25

Tgt Ion: 112 Resp: 1761
 Ion Ratio Lower Upper
 112 100
 64 57.8 44.9 67.3
 63 29.2 23.4 35.2

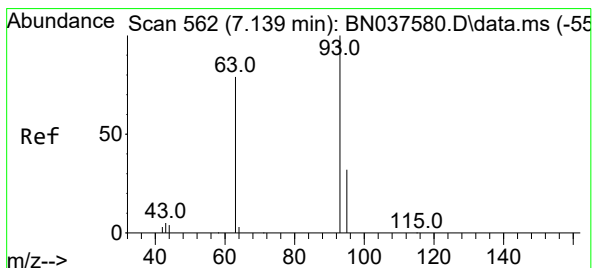
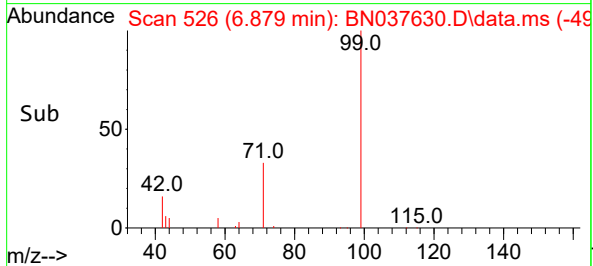
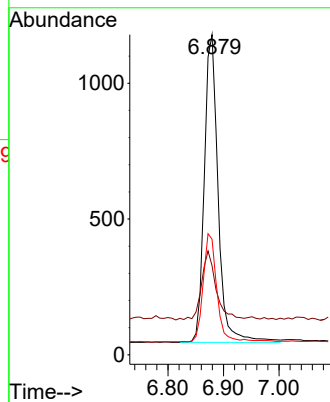
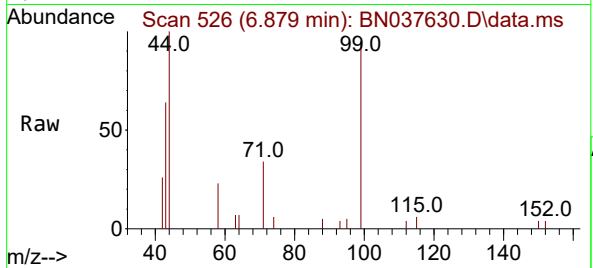




#5
Phenol-d6
Concen: 0.301 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

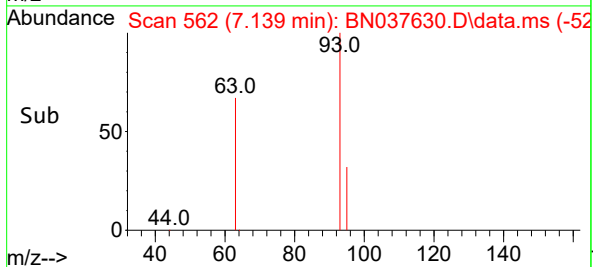
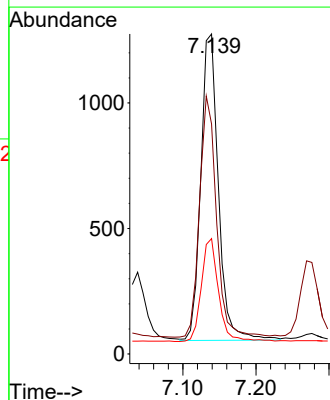
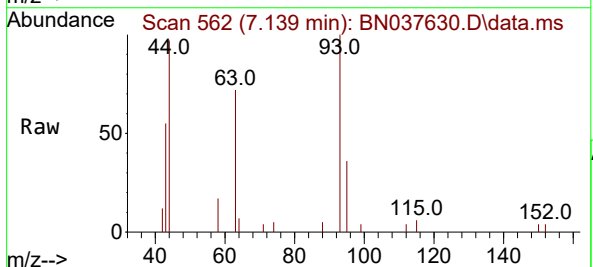
Instrument :
BNA_N
ClientSampleId :
PB169286BS

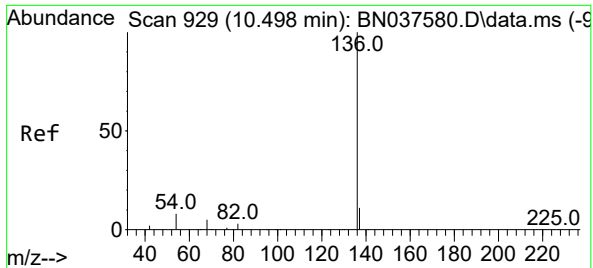
Tgt Ion: 99 Resp: 1961
Ion Ratio Lower Upper
99 100
42 23.7 18.5 27.7
71 34.9 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 0.347 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 93 Resp: 2041
Ion Ratio Lower Upper
93 100
63 75.7 58.0 87.0
95 32.9 24.9 37.3

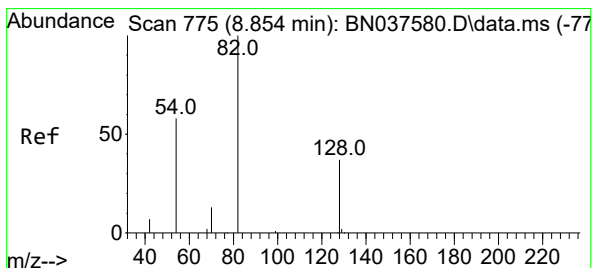
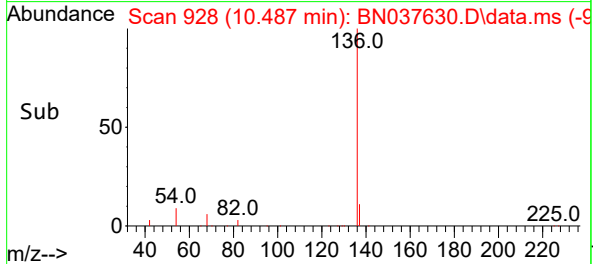
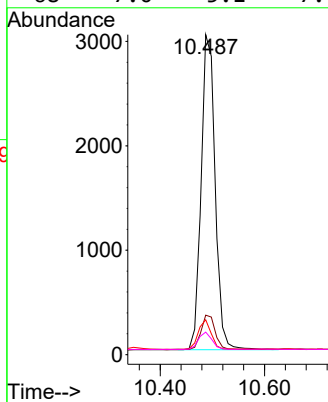
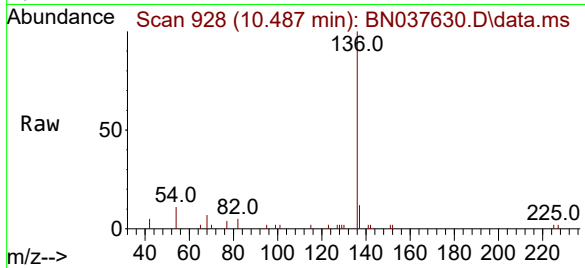




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

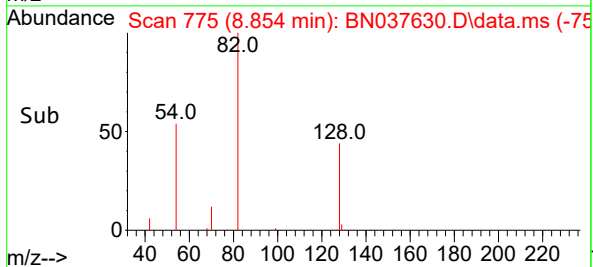
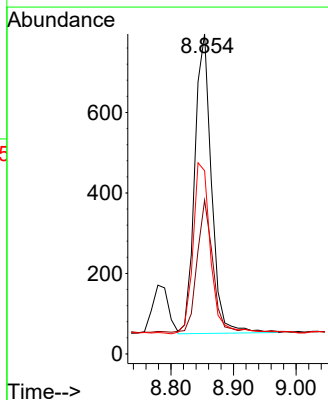
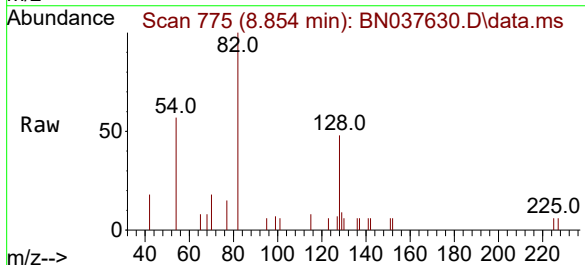
Instrument :
BNA_N
ClientSampleId :
PB169286BS

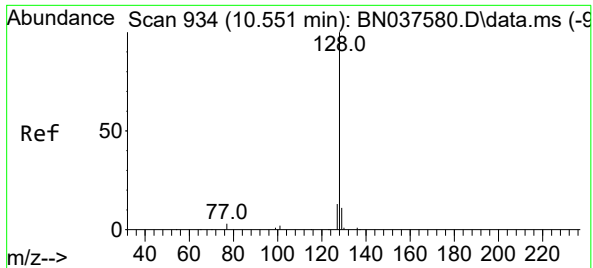
Tgt Ion:	136	Resp:	5616
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	10.9	7.3	10.9
68	7.0	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:	82	Resp:	1380
Ion	Ratio	Lower	Upper
82	100		
128	48.1	32.6	48.8
54	57.2	48.9	73.3

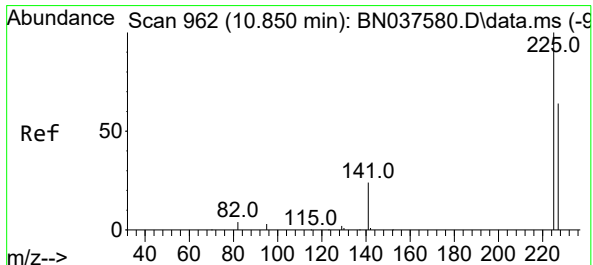
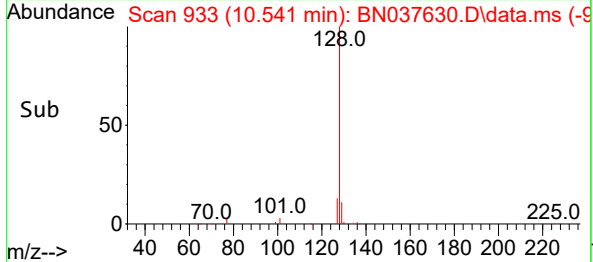
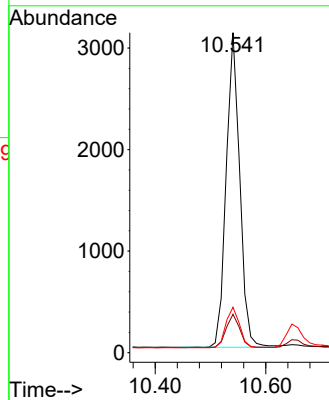
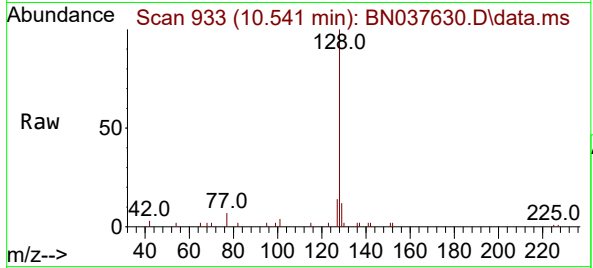




#9
Naphthalene
Concen: 0.352 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

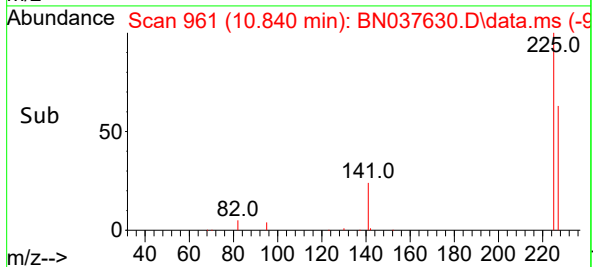
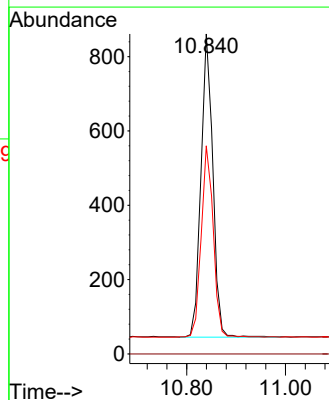
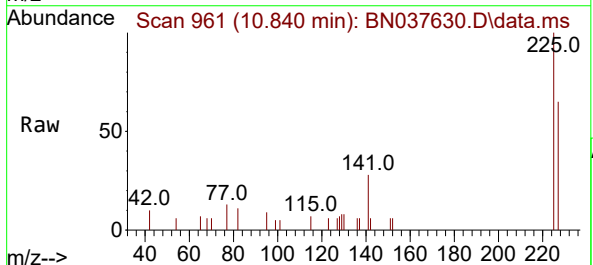
Instrument :
BNA_N
ClientSampleId :
PB169286BS

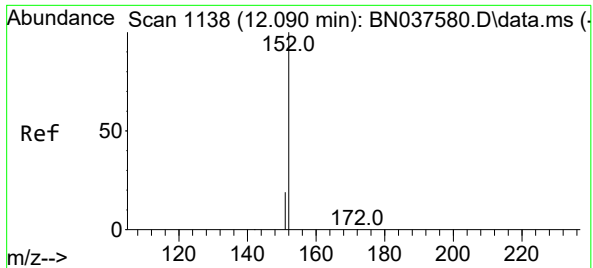
Tgt Ion:128 Resp: 5264
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.6
127 14.2 11.5 17.3



#10
Hexachlorobutadiene
Concen: 0.371 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.011 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:225 Resp: 1357
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 50.8 76.2

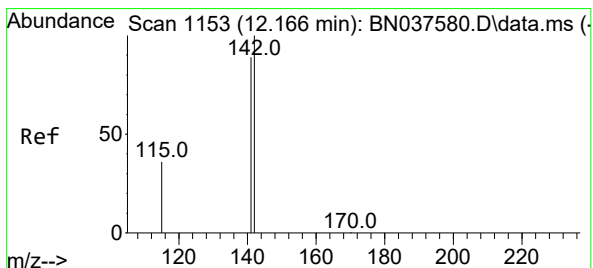
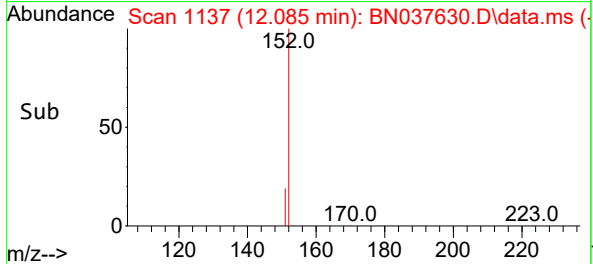
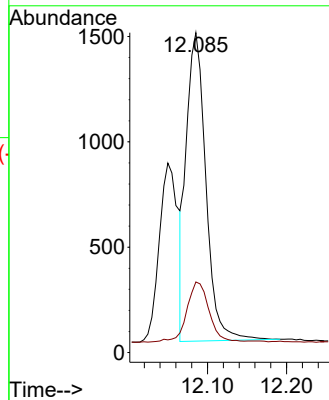
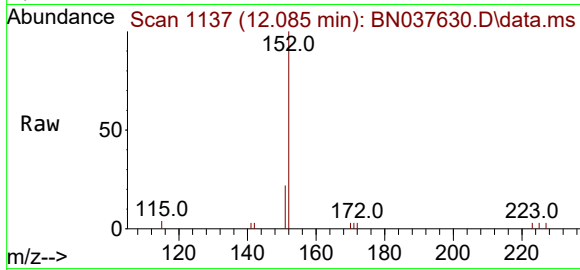




#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

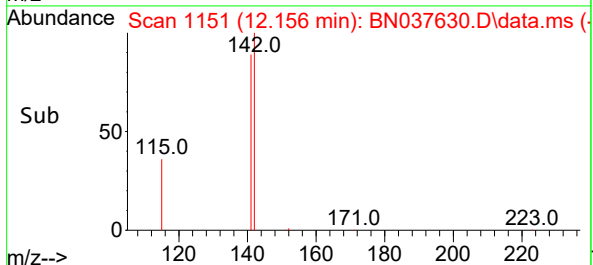
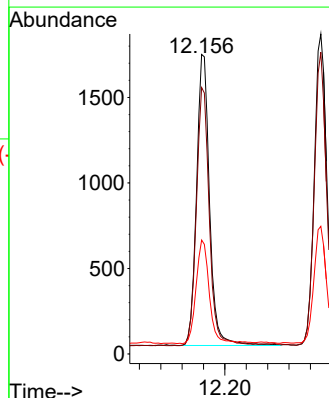
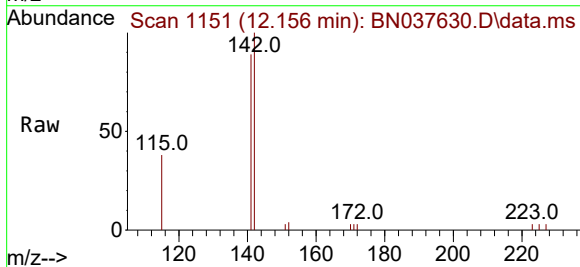
Instrument :
BNA_N
ClientSampleId :
PB169286BS

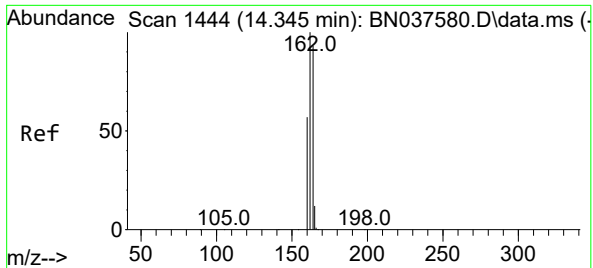
Tgt Ion:152 Resp: 2508
Ion Ratio Lower Upper
152 100
151 22.4 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.156 min Scan# 1151
Delta R.T. -0.010 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:142 Resp: 2891
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.0
115 38.0 30.2 45.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.345 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS

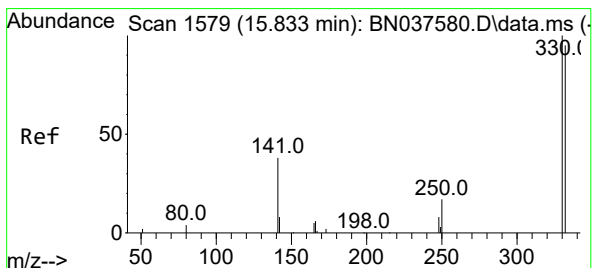
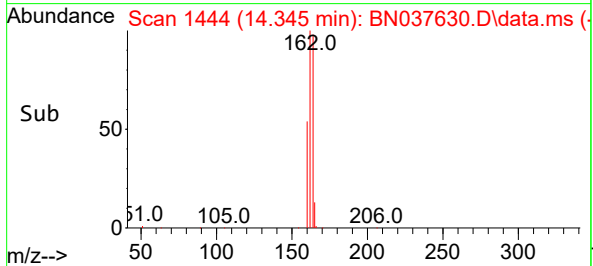
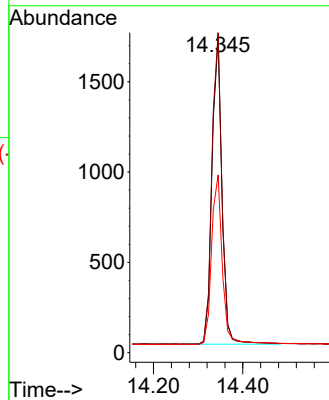
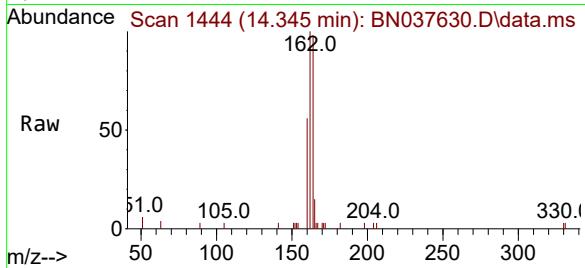
Tgt Ion:164 Resp: 2629

Ion	Ratio	Lower	Upper

164	100		

162	101.7	85.5	128.3

160	56.5	49.5	74.3



#14

2,4,6-Tribromophenol

Concen: 0.297 ng

RT: 15.833 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

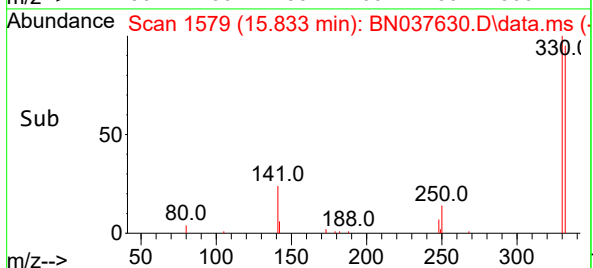
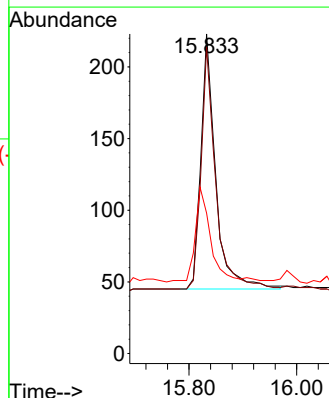
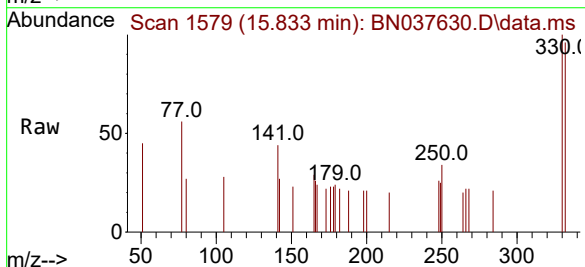
Tgt Ion:330 Resp: 342

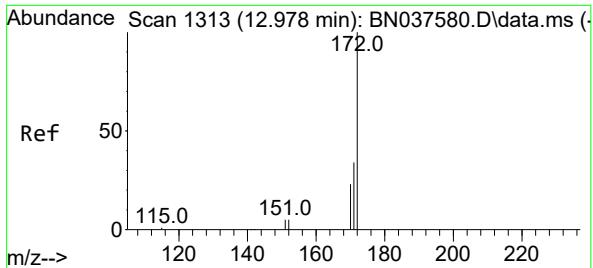
Ion	Ratio	Lower	Upper

330	100		

332	93.3	77.4	116.0

141	39.5	30.9	46.3





#15

2-Fluorobiphenyl

Concen: 0.362 ng

RT: 12.968 min Scan# 1311

Delta R.T. -0.010 min

Lab File: BN037630.D

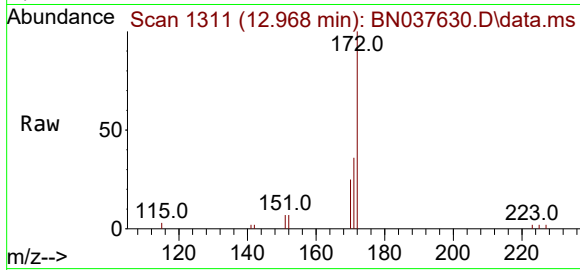
Acq: 20 Aug 2025 11:25

Instrument :

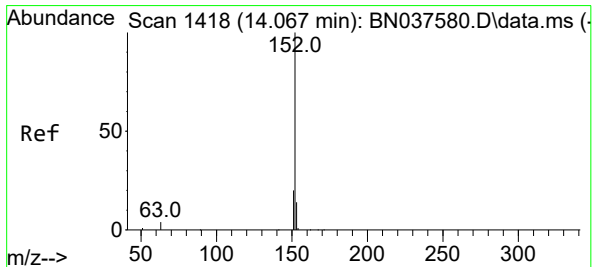
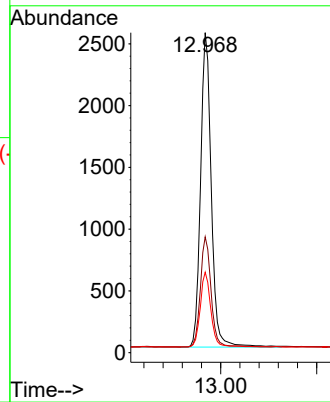
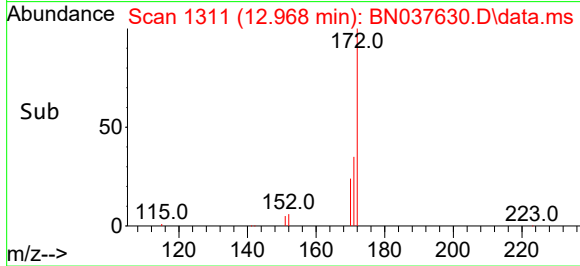
BNA_N

ClientSampleId :

PB169286BS



Tgt Ion:	172	Resp:	5503
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	25.1	19.2	28.8



#16

Acenaphthylene

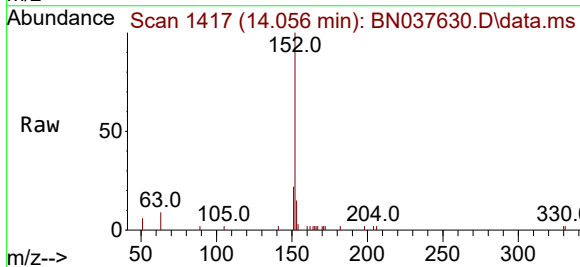
Concen: 0.373 ng

RT: 14.056 min Scan# 1417

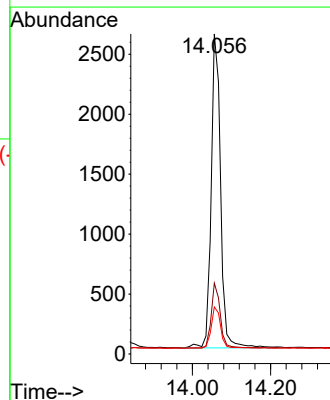
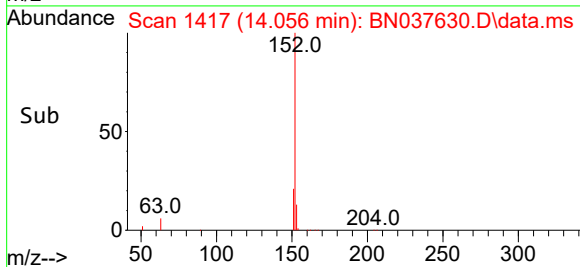
Delta R.T. -0.011 min

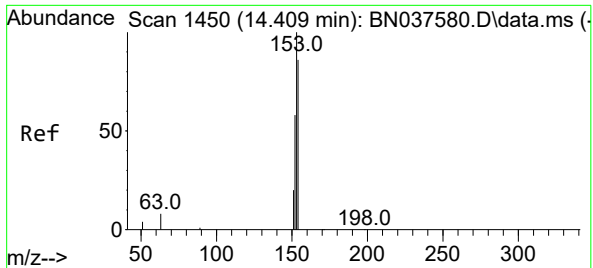
Lab File: BN037630.D

Acq: 20 Aug 2025 11:25



Tgt Ion:	152	Resp:	4394
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.3	10.7	16.1

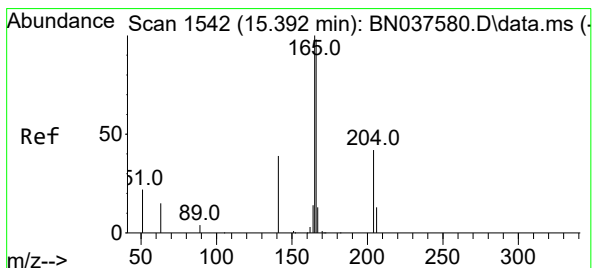
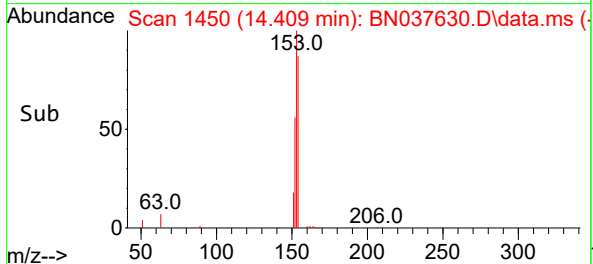
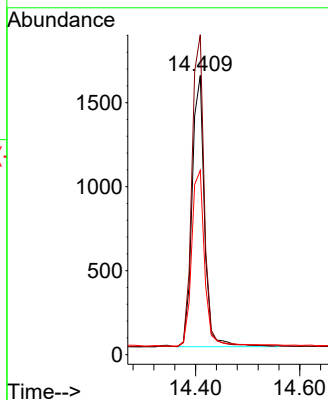
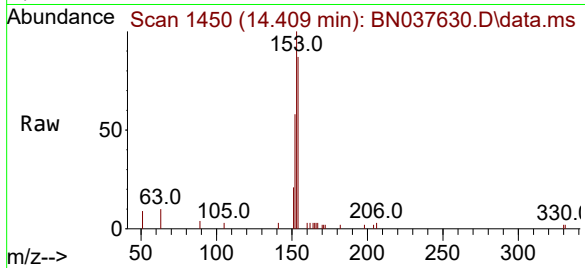




#17
Acenaphthene
Concen: 0.332 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

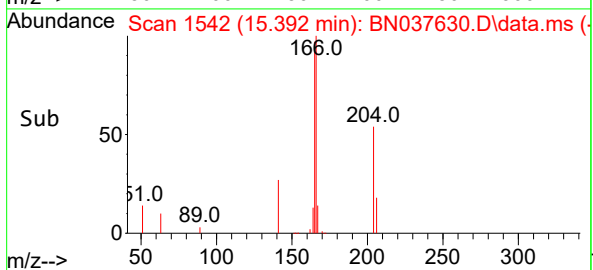
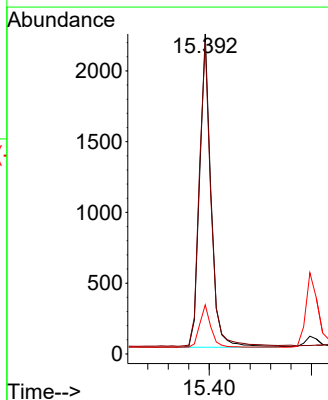
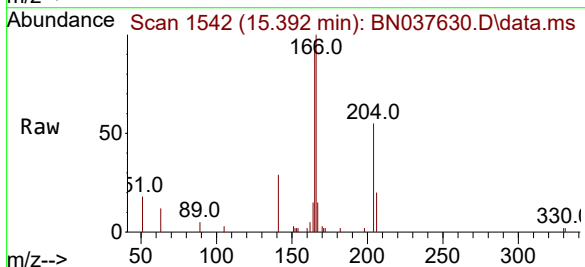
Instrument :
BNA_N
ClientSampleId :
PB169286BS

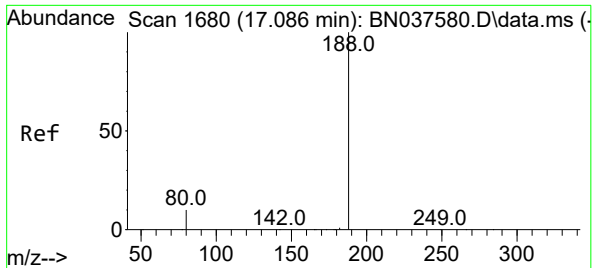
Tgt Ion:154 Resp: 2664
Ion Ratio Lower Upper
154 100
153 114.4 90.6 135.8
152 68.6 54.9 82.3



#18
Fluorene
Concen: 0.331 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:166 Resp: 3473
Ion Ratio Lower Upper
166 100
165 99.2 78.9 118.3
167 13.1 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS

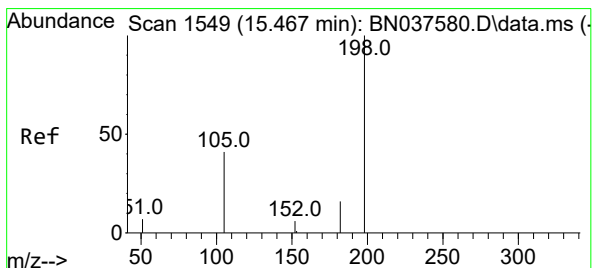
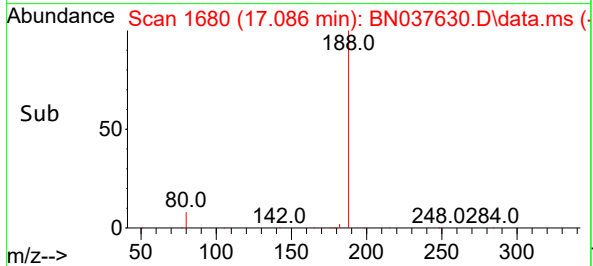
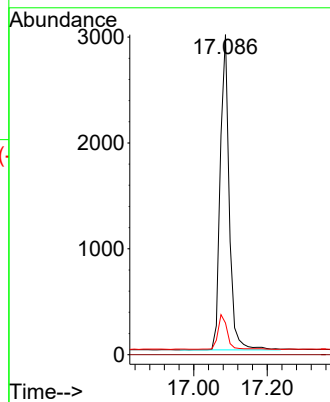
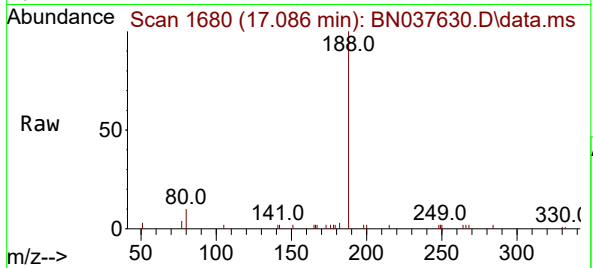
Tgt Ion:188 Resp: 5040

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.348 ng

RT: 15.467 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

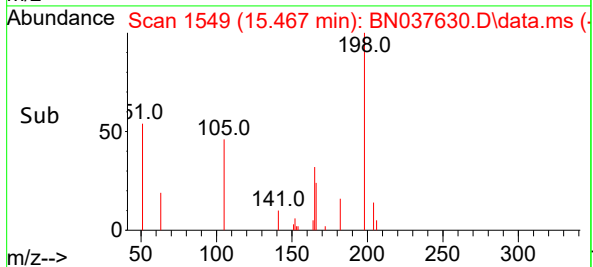
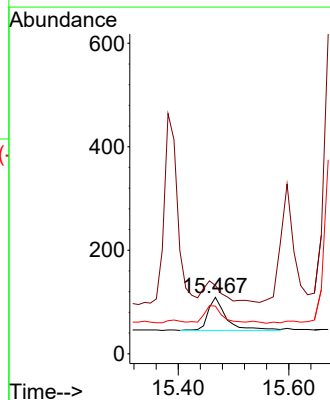
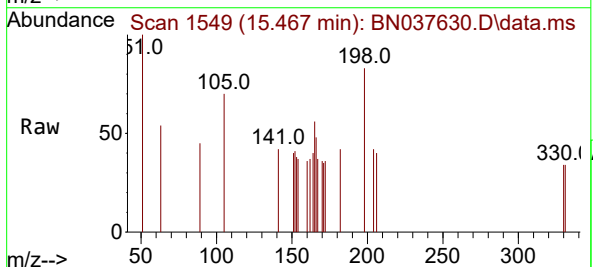
Tgt Ion:198 Resp: 153

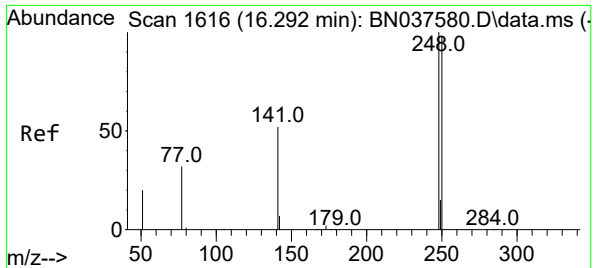
Ion Ratio Lower Upper

198 100

51 121.1 81.0 121.6

105 84.4 52.5 78.7#

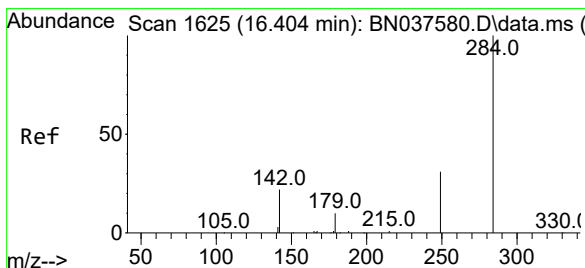
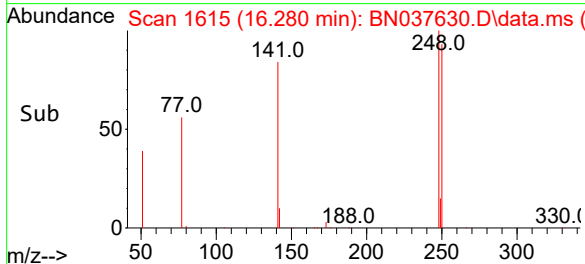
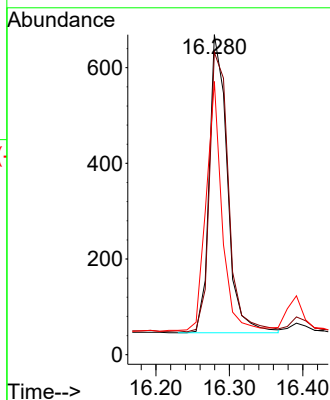
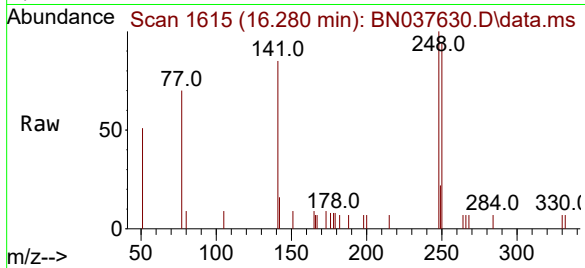




#21
4-Bromophenyl-phenylether
Concen: 0.336 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

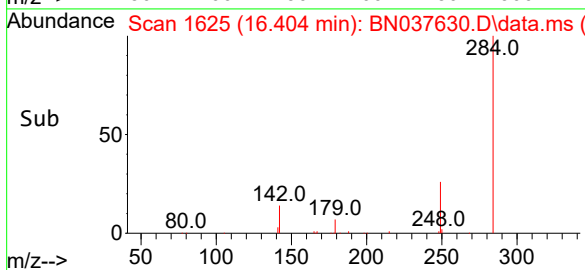
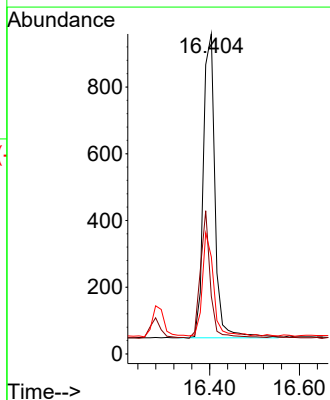
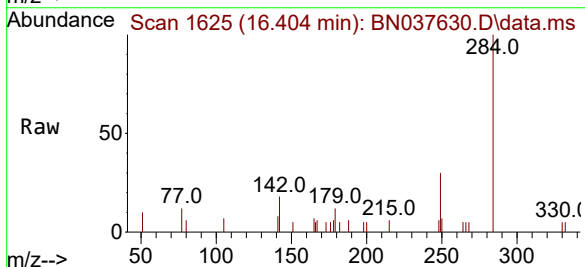
Instrument :
BNA_N
ClientSampleId :
PB169286BS

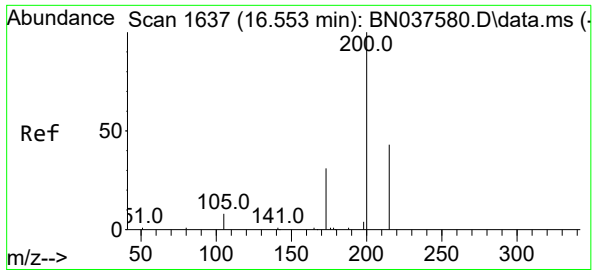
Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.5	78.6	118.0
141	85.4	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.366 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.8	44.6
249	32.5	26.0	39.0

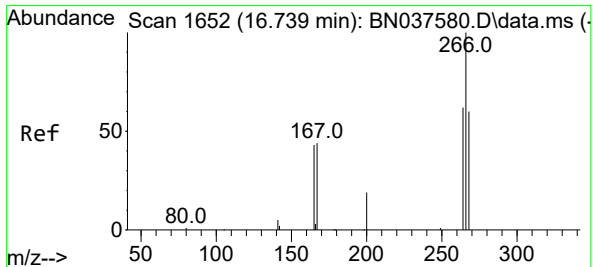
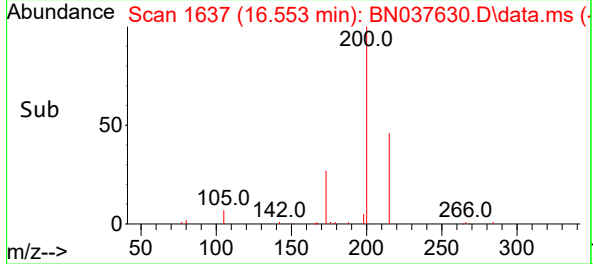
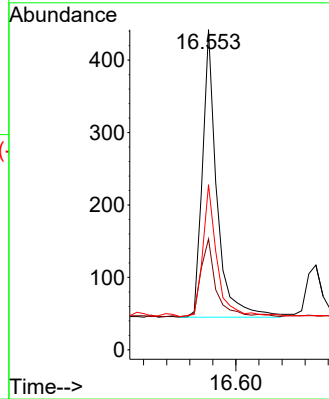
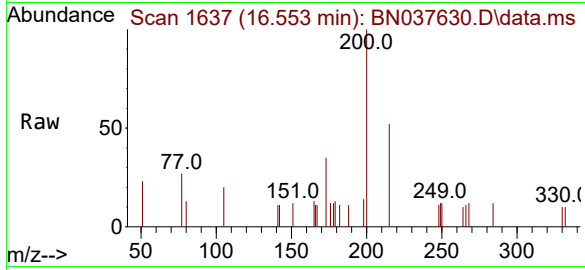




#23
Atrazine
Concen: 0.384 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

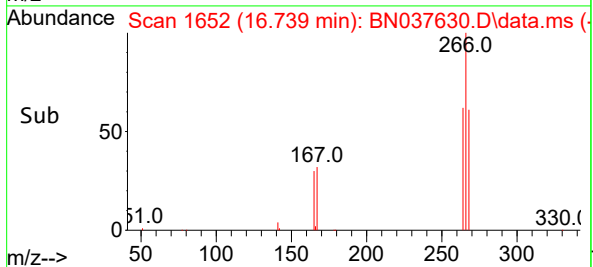
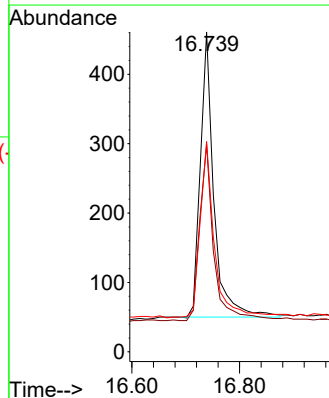
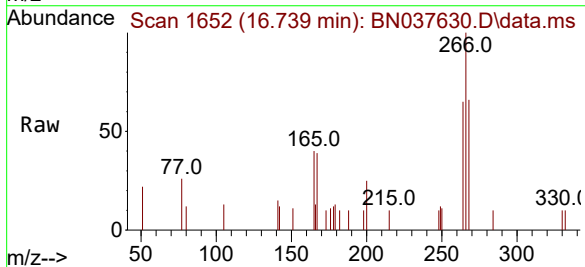
Instrument :
BNA_N
ClientSampleId :
PB169286BS

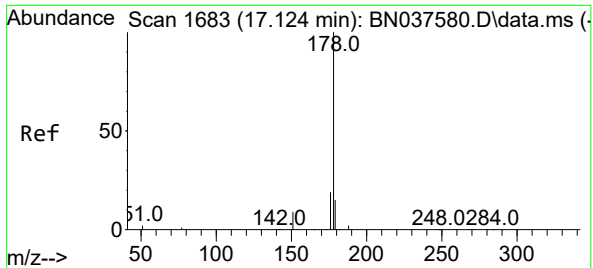
Tgt Ion	Ratio	Lower	Upper
200	100		
173	34.6	31.0	46.4
215	51.6	39.4	59.0



#24
Pentachlorophenol
Concen: 0.456 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.5	49.6	74.4
268	65.0	49.2	73.8

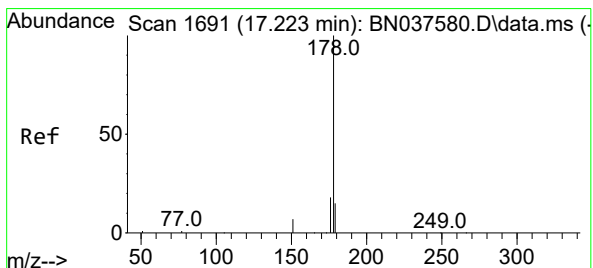
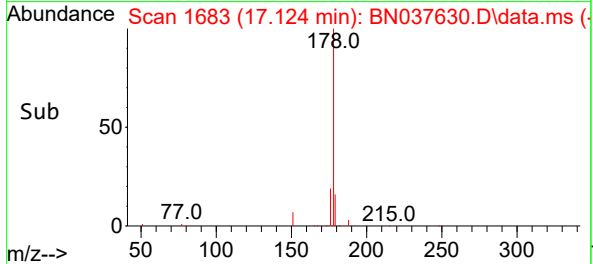
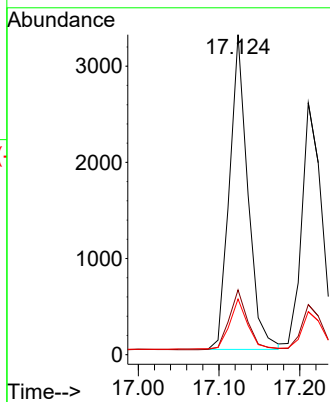
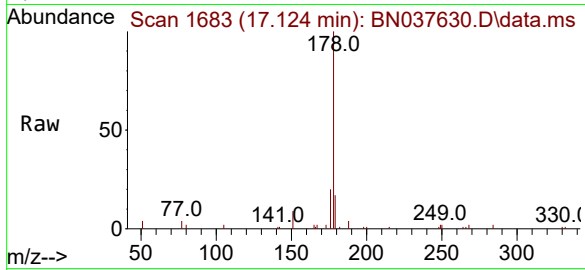




#25
Phenanthrene
Concen: 0.338 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

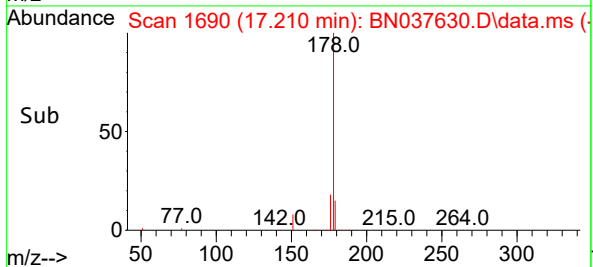
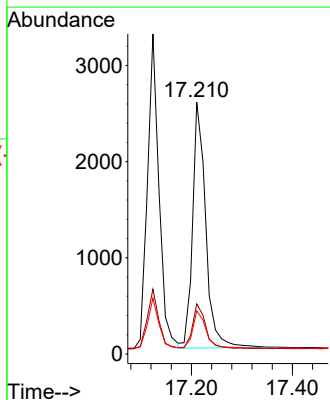
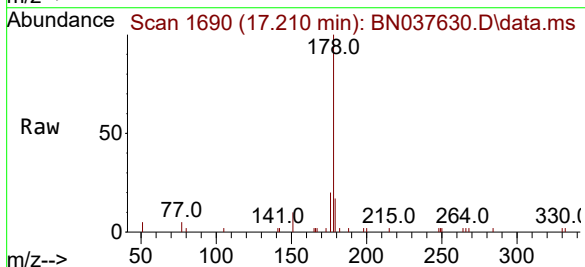
Instrument :
BNA_N
ClientSampleId :
PB169286BS

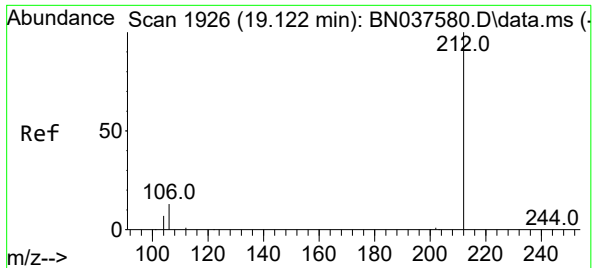
Tgt Ion:178 Resp: 5179
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.9 12.3 18.5



#26
Anthracene
Concen: 0.342 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:178 Resp: 4635
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.3 12.3 18.5

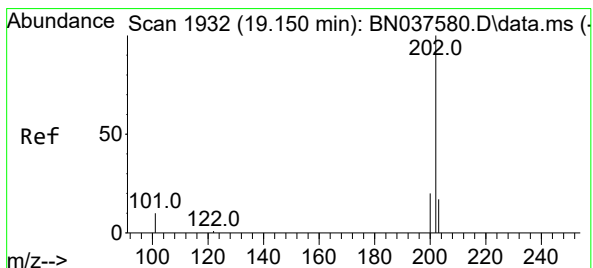
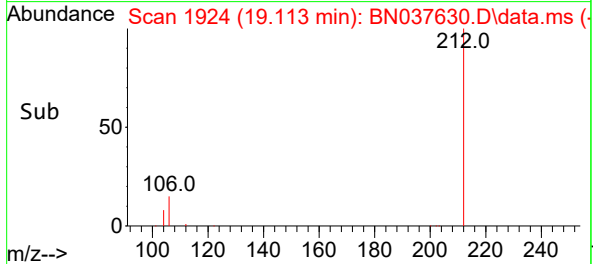
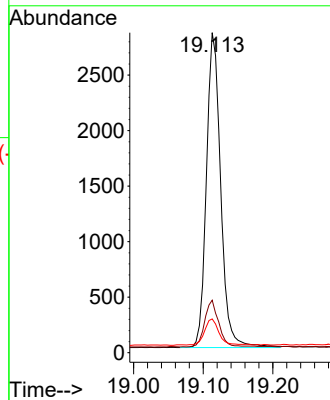
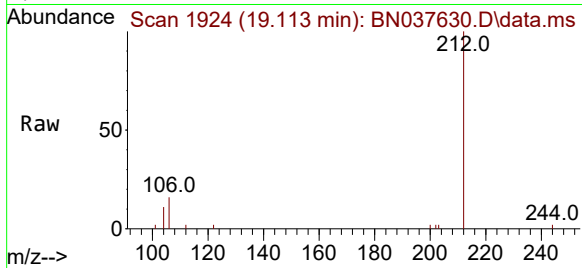




#27
Fluoranthene-d10
Concen: 0.305 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

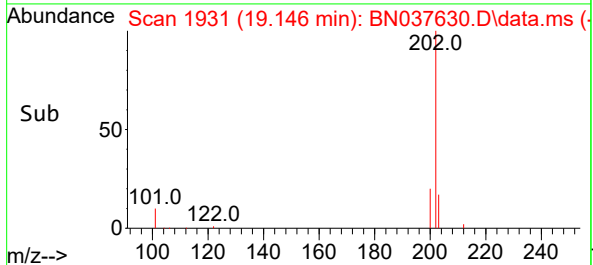
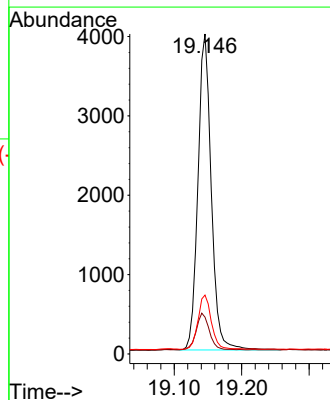
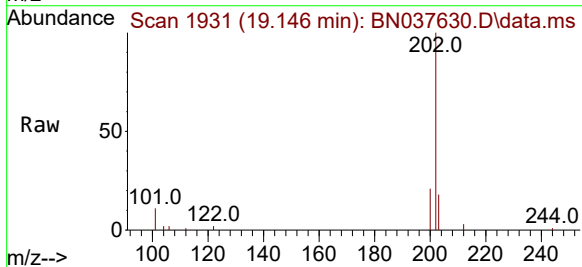
Instrument :
BNA_N
ClientSampleId :
PB169286BS

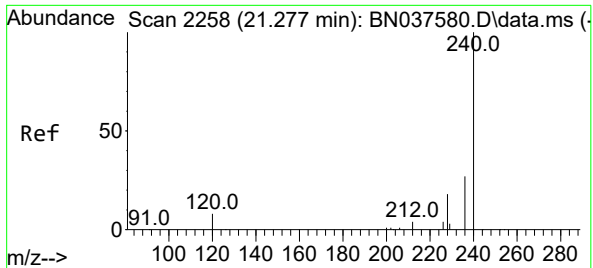
Tgt Ion:212 Resp: 4038
Ion Ratio Lower Upper
212 100
106 14.6 11.5 17.3
104 8.2 6.6 9.8



#28
Fluoranthene
Concen: 0.310 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:202 Resp: 5464
Ion Ratio Lower Upper
202 100
101 11.4 9.0 13.6
203 17.2 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS

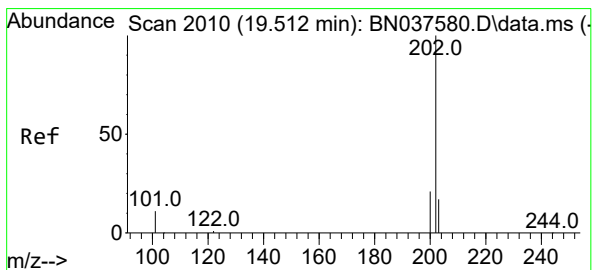
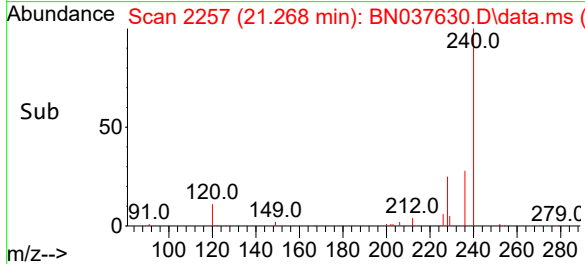
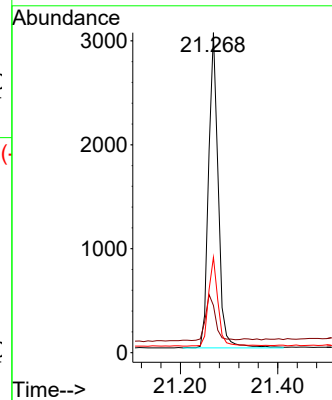
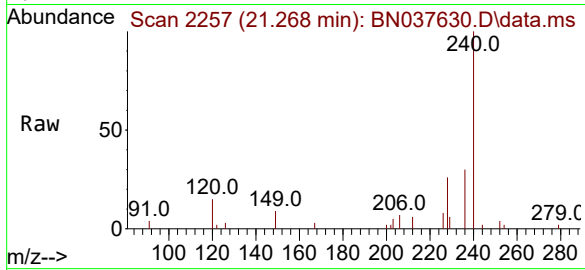
Tgt Ion:240 Resp: 4175

Ion Ratio Lower Upper

240 100

120 14.7 8.9 13.3#

236 29.8 22.6 33.8



#30

Pyrene

Concen: 0.342 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.005 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

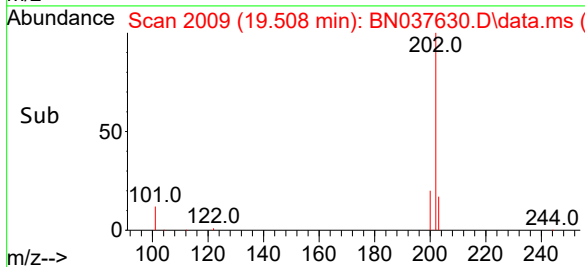
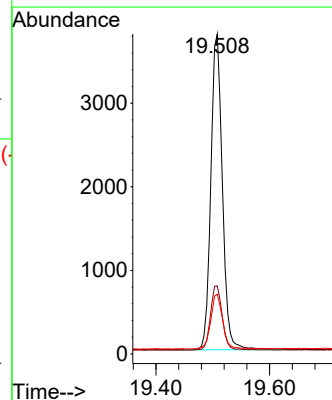
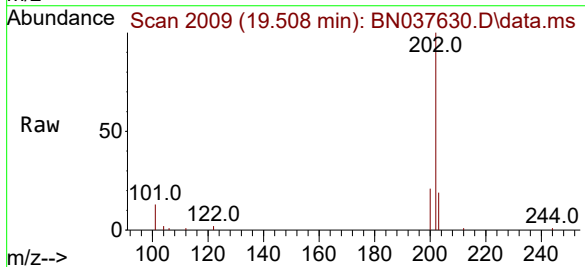
Tgt Ion:202 Resp: 5332

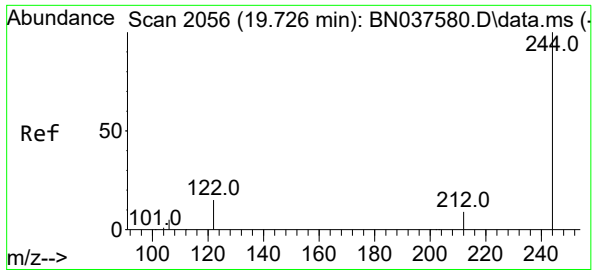
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 17.9 14.3 21.5

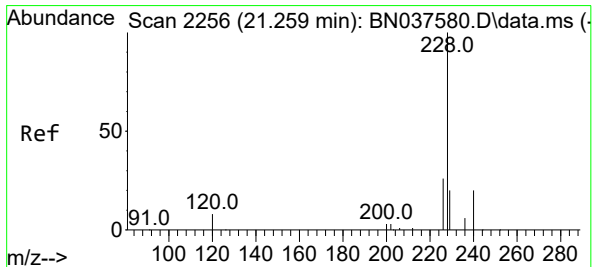
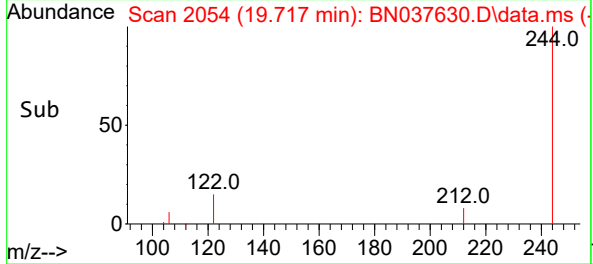
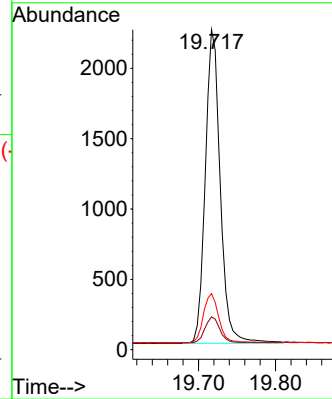
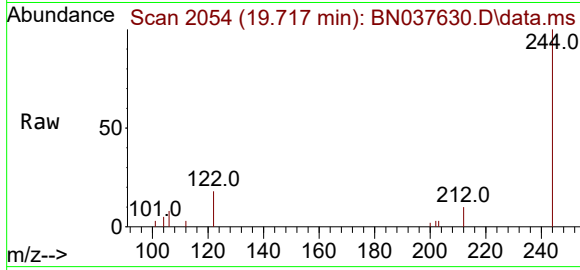




#31
Terphenyl-d14
Concen: 0.350 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

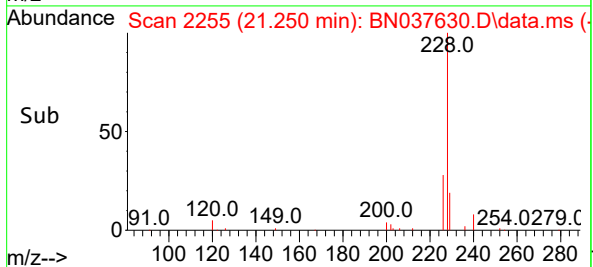
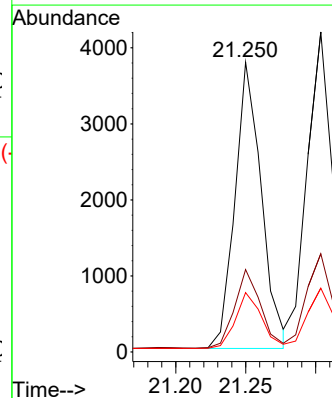
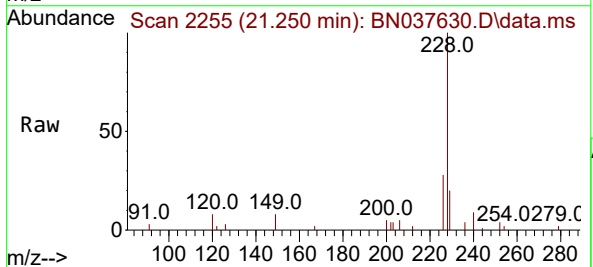
Instrument :
BNA_N
ClientSampleId :
PB169286BS

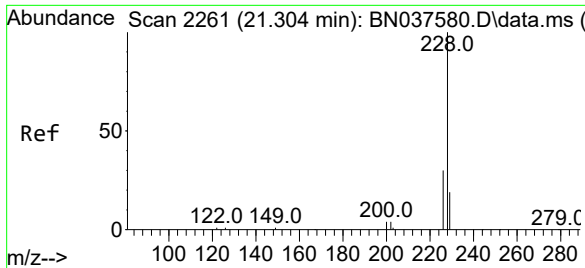
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.2	12.2
122	17.5	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.355 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.5	32.3
229	20.5	16.5	24.7





#33

Chrysene

Concen: 0.360 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS

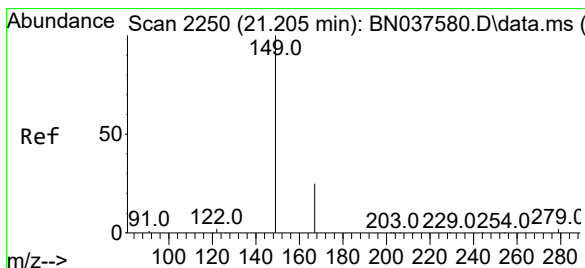
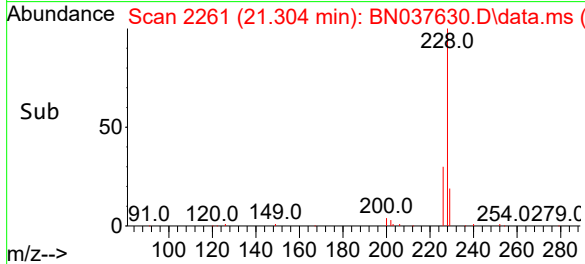
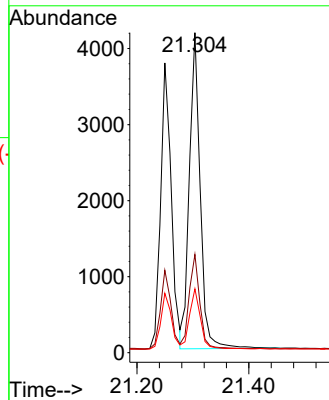
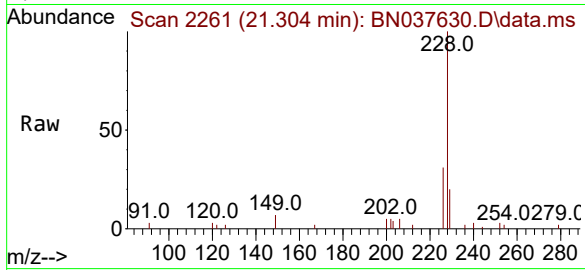
Tgt Ion:228 Resp: 5598

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

229 20.0 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.324 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

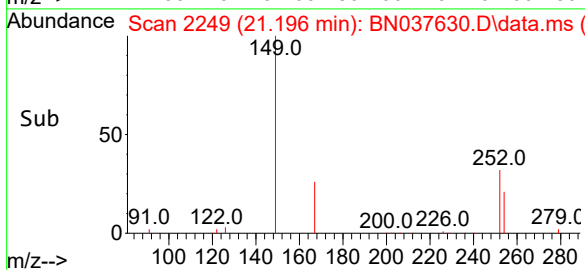
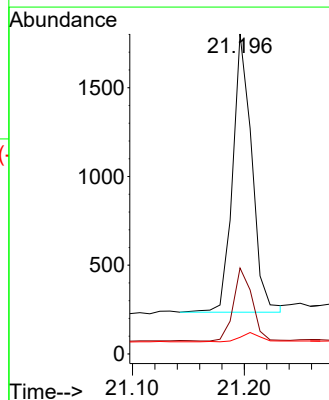
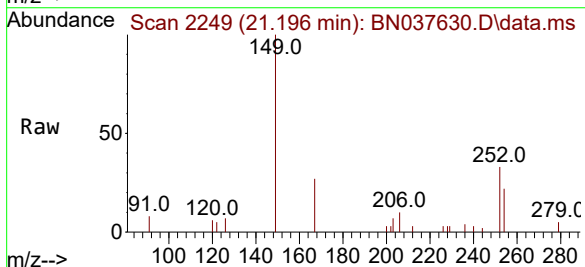
Tgt Ion:149 Resp: 1867

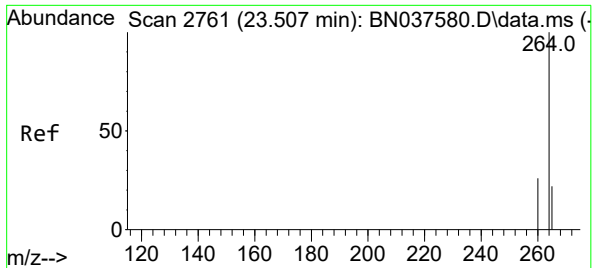
Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

279 3.6 2.6 4.0

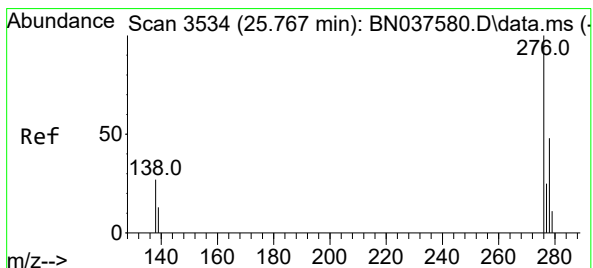
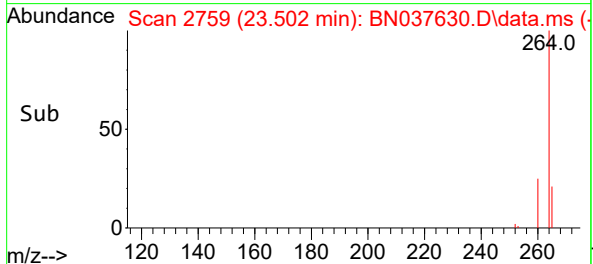
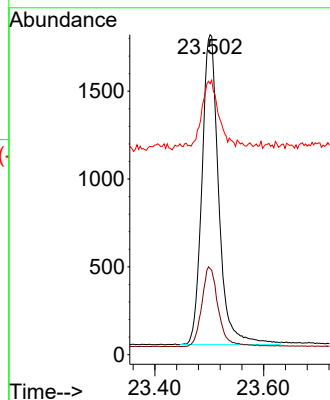
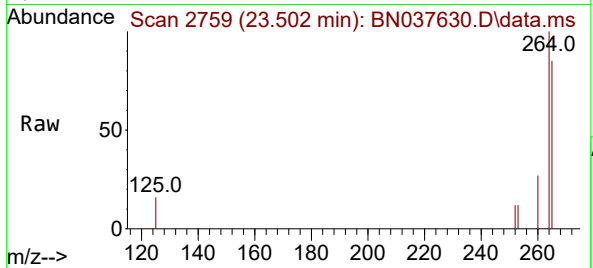




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

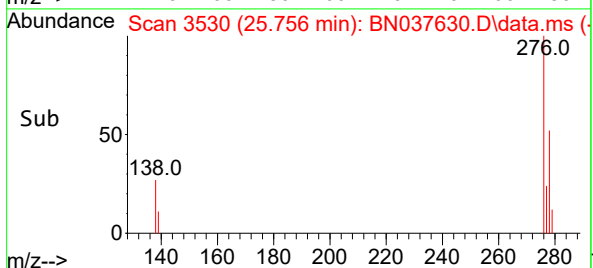
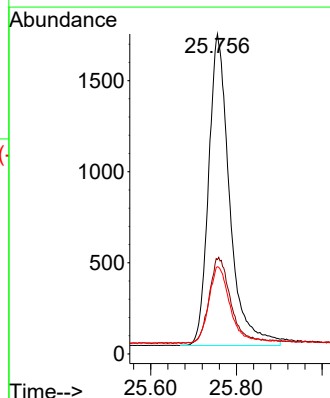
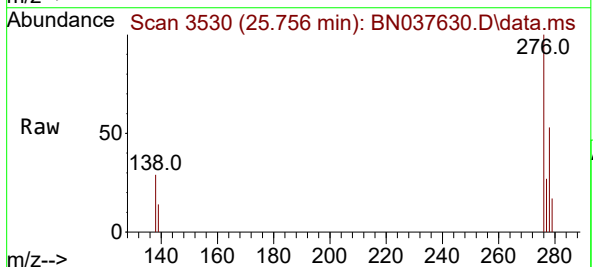
Instrument :
BNA_N
ClientSampleId :
PB169286BS

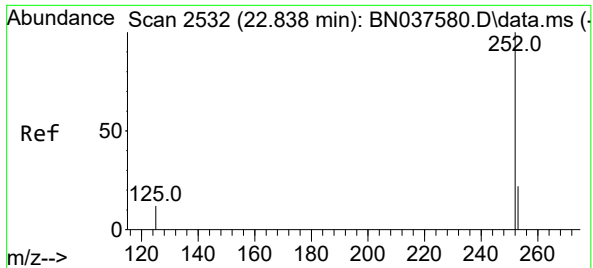
Tgt Ion:264 Resp: 3780
Ion Ratio Lower Upper
264 100
260 26.9 21.6 32.4
265 84.7 48.2 72.4#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 25.756 min Scan# 3530
Delta R.T. -0.012 min
Lab File: BN037630.D
Acq: 20 Aug 2025 11:25

Tgt Ion:276 Resp: 5812
Ion Ratio Lower Upper
276 100
138 27.9 23.3 34.9
277 24.4 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.372 ng

RT: 22.829 min Scan# 2529

Delta R.T. -0.009 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS

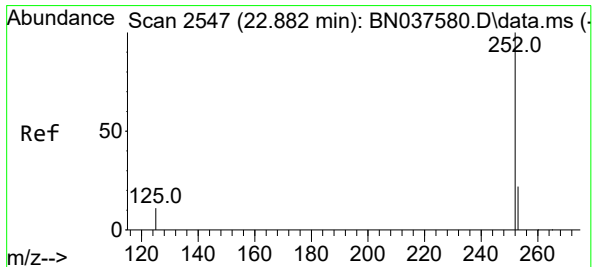
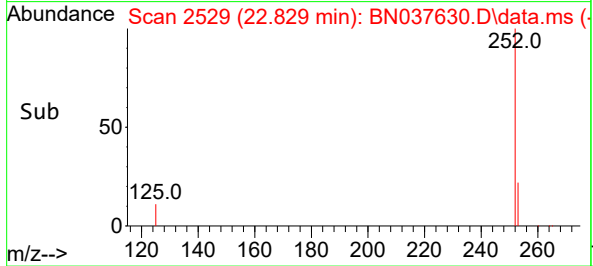
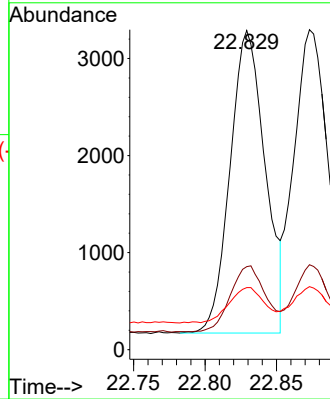
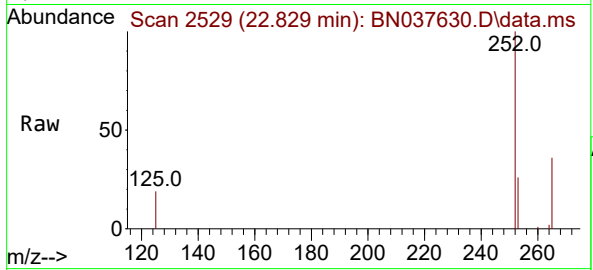
Tgt Ion:252 Resp: 5325

Ion Ratio Lower Upper

252 100

253 26.0 20.0 30.0

125 19.4 13.8 20.6



#38

Benzo(k)fluoranthene

Concen: 0.335 ng

RT: 22.873 min Scan# 2544

Delta R.T. -0.009 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

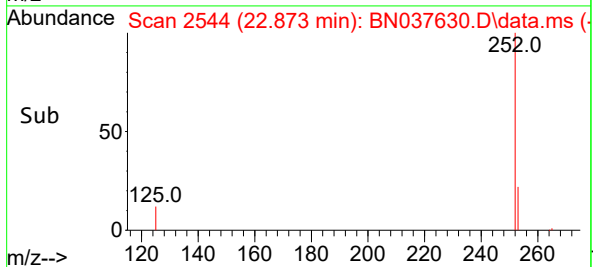
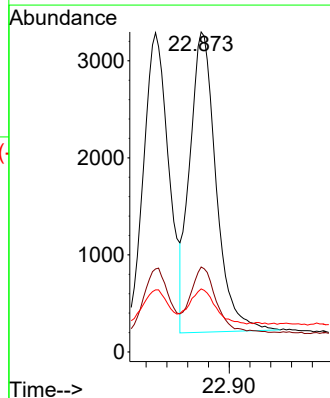
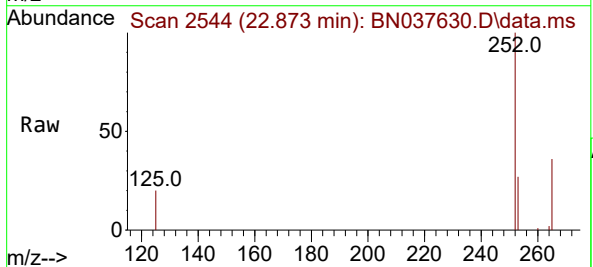
Tgt Ion:252 Resp: 5420

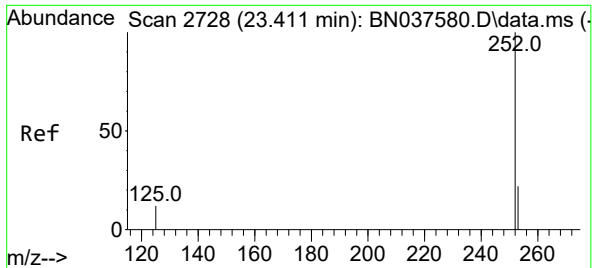
Ion Ratio Lower Upper

252 100

253 26.5 19.9 29.9

125 19.7 15.0 22.6





#39

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS

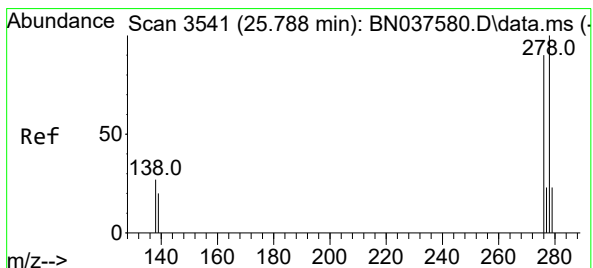
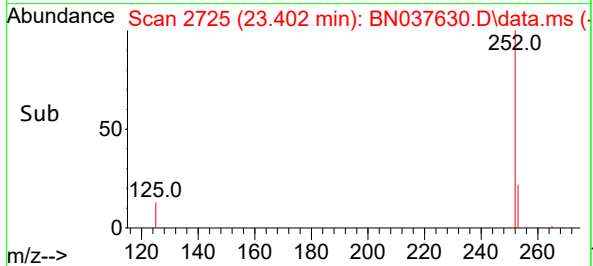
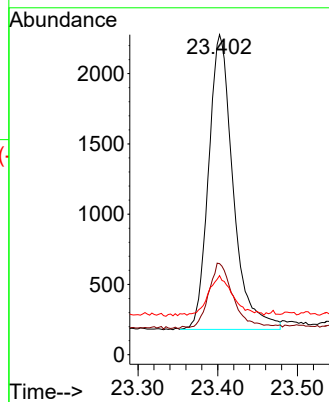
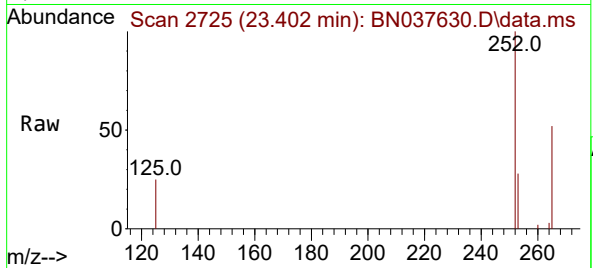
Tgt Ion:252 Resp: 4490

Ion Ratio Lower Upper

252 100

253 28.5 21.6 32.4

125 24.7 16.8 25.2



#40

Dibenzo(a,h)anthracene

Concen: 0.360 ng

RT: 25.776 min Scan# 3537

Delta R.T. -0.012 min

Lab File: BN037630.D

Acq: 20 Aug 2025 11:25

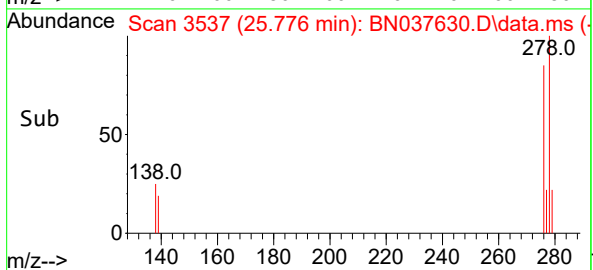
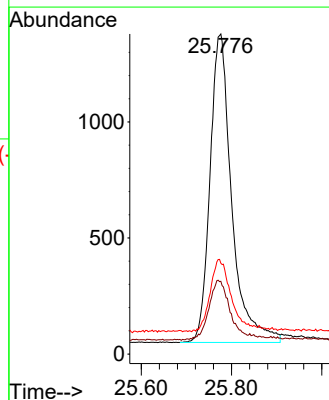
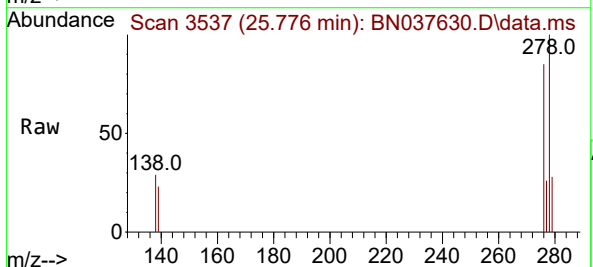
Tgt Ion:278 Resp: 4445

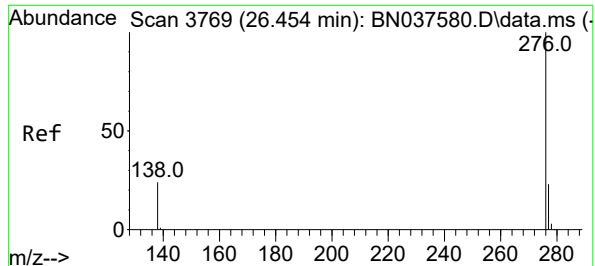
Ion Ratio Lower Upper

278 100

139 22.7 18.3 27.5

279 28.4 22.5 33.7





#41

Benzo(g,h,i)perylene

Concen: 0.395 ng

RT: 26.440 min Scan# 31

Delta R.T. -0.015 min

Lab File: BN037630.D

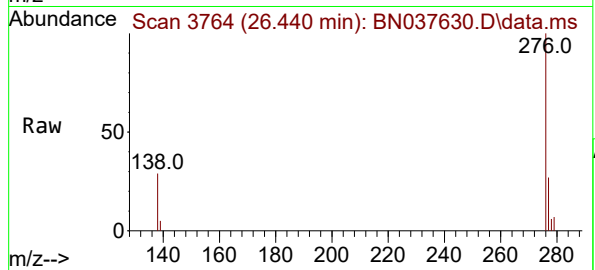
Acq: 20 Aug 2025 11:25

Instrument :

BNA_N

ClientSampleId :

PB169286BS



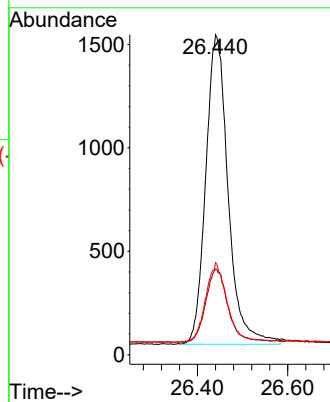
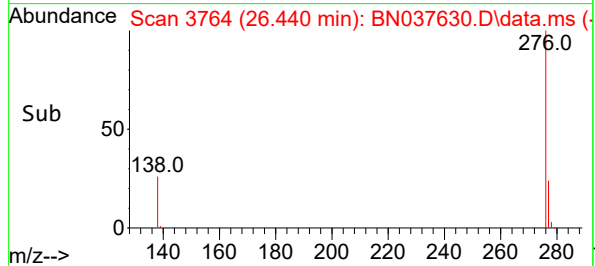
Tgt Ion:276 Resp: 5149

Ion Ratio Lower Upper

276 100

277 26.8 21.0 31.4

138 28.8 21.7 32.5



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025MS	SDG No.:	Q2869
Lab Sample ID:	Q2842-04MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	940 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
BN037605.D	1	08/18/25 08:41	08/19/25 13:40	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2020	7.717			
1146-65-2	Naphthalene-d8	4770	10.498			
15067-26-2	Acenaphthene-d10	2380	14.345			
1517-22-2	Phenanthrene-d10	4920	17.087			
1719-03-5	Chrysene-d12	4510	21.268			
1520-96-3	Perylene-d12	3910	23.505			

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\BN081925\
 Data File : BN037605.D
 Acq On : 19 Aug 2025 13:40
 Operator : RC/JU
 Sample : Q2842-04MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-17B-55.5-08122025MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:25:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2023	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4765	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2380	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4922	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4507	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	3909	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	698	0.152	ng	0.00
5) Phenol-d6	6.879	99	508	0.092	ng	0.00
8) Nitrobenzene-d5	8.854	82	1111	0.331	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2001m	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	392	0.376	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4453	0.324	ng	0.00
27) Fluoranthene-d10	19.118	212	4870	0.376	ng	0.00
31) Terphenyl-d14	19.722	244	4344	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5476	2.829	ng	# 90
3) n-Nitrosodimethylamine	3.536	42	418	0.169	ng	# 90
6) bis(2-Chloroethyl)ether	7.139	93	1634	0.329	ng	98
9) Naphthalene	10.541	128	4254	0.335	ng	98
10) Hexachlorobutadiene	10.840	225	924	0.298	ng	# 99
12) 2-Methylnaphthalene	12.162	142	2421	0.304	ng	99
16) Acenaphthylene	14.067	152	3870	0.363	ng	100
17) Acenaphthene	14.409	154	2473	0.341	ng	96
18) Fluorene	15.393	166	3340	0.352	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	226	0.434	ng	88
21) 4-Bromophenyl-phenylether	16.280	248	1089	0.352	ng	# 75
22) Hexachlorobenzene	16.404	284	1490	0.340	ng	99
23) Atrazine	16.553	200	797	0.456	ng	95
24) Pentachlorophenol	16.739	266	1320	0.857	ng	99
25) Phenanthrene	17.124	178	6725	0.449	ng	100
26) Anthracene	17.211	178	5205	0.393	ng	100
28) Fluoranthene	19.146	202	7212	0.420	ng	100
30) Pyrene	19.508	202	6994	0.415	ng	100
32) Benzo(a)anthracene	21.259	228	6028	0.400	ng	99
33) Chrysene	21.304	228	6700	0.399	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	3417	0.550	ng	99
36) Indeno(1,2,3-cd)pyrene	25.759	276	6122	0.372	ng	99
37) Benzo(b)fluoranthene	22.832	252	6094	0.411	ng	99
38) Benzo(k)fluoranthene	22.876	252	6247	0.374	ng	98
39) Benzo(a)pyrene	23.405	252	5054	0.411	ng	99
40) Dibenzo(a,h)anthracene	25.779	278	4709	0.368	ng	99
41) Benzo(g,h,i)perylene	26.449	276	5269	0.391	ng	100

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

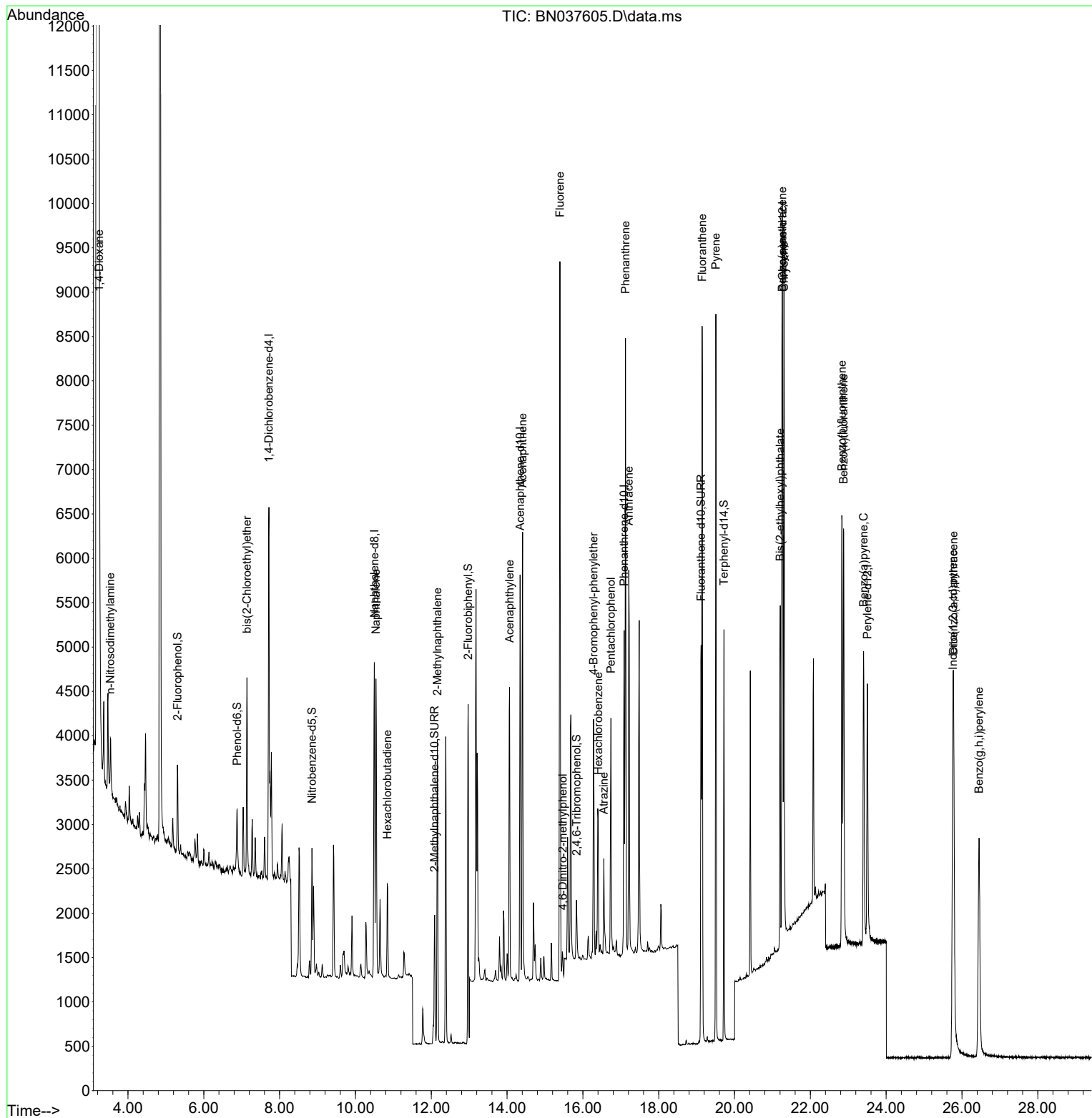
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037605.D
 Acq On : 19 Aug 2025 13:40
 Operator : RC/JU
 Sample : Q2842-04MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

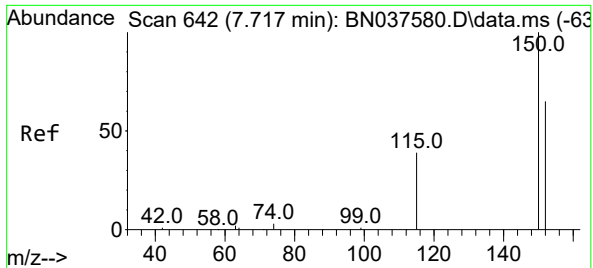
Instrument :
 BNA_N
 ClientSampleId :
 MW-17B-55.5-08122025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

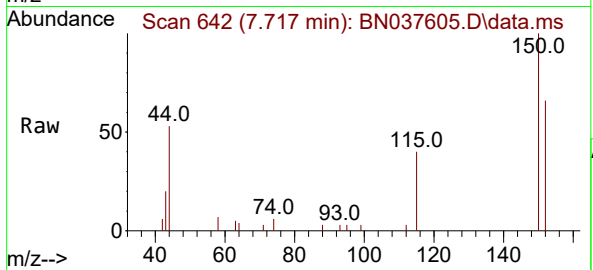
Quant Time: Aug 20 01:25:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

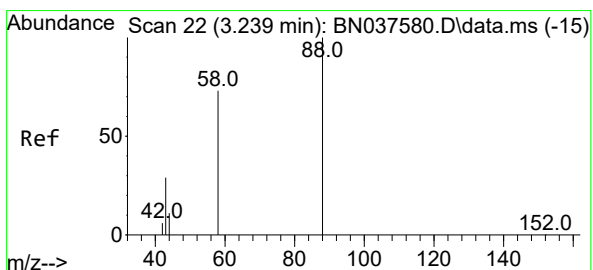
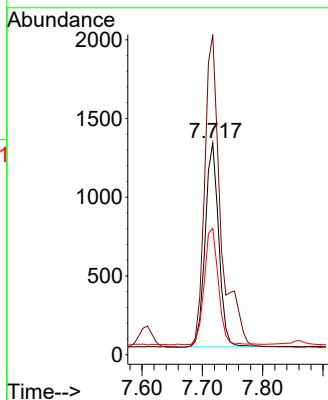
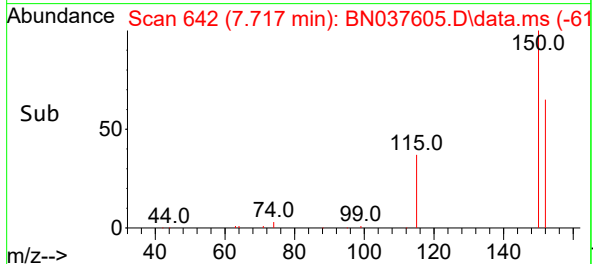
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion: 152 Resp: 202
Ion Ratio Lower Upper
152 100
150 151.3 122.2 183.4
115 59.8 49.8 74.6

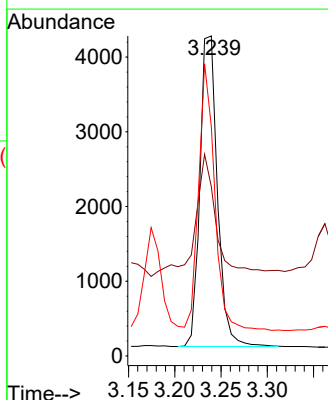
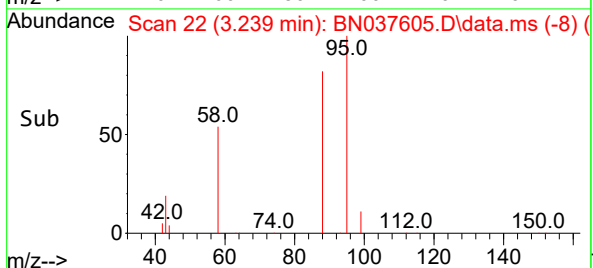
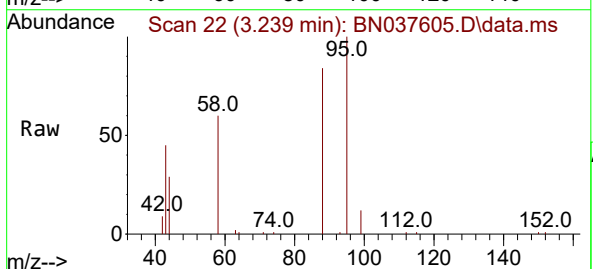
Manual Integrations
APPROVED

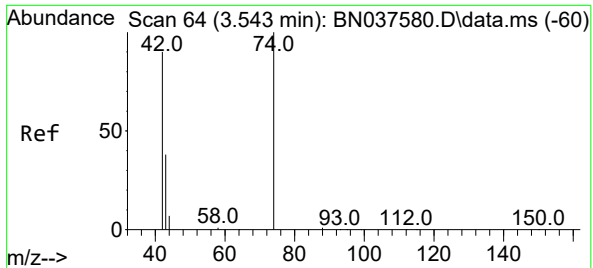
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#2
1,4-Dioxane
Concen: 2.829 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

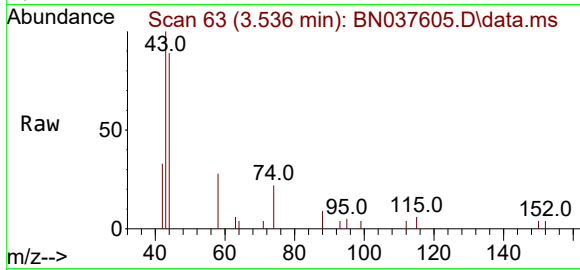
Tgt Ion: 88 Resp: 5476
Ion Ratio Lower Upper
88 100
43 48.7 25.8 38.6#
58 78.4 61.2 91.8





#3
n-Nitrosodimethylamine
Concen: 0.169 ng
RT: 3.536 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

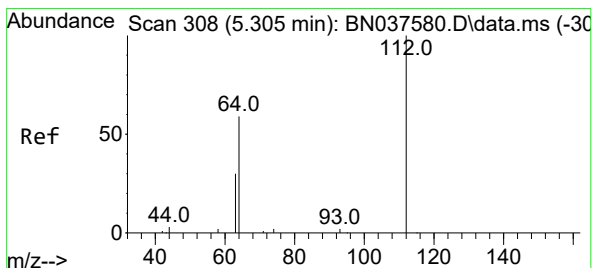
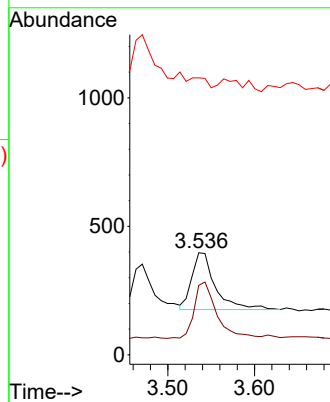
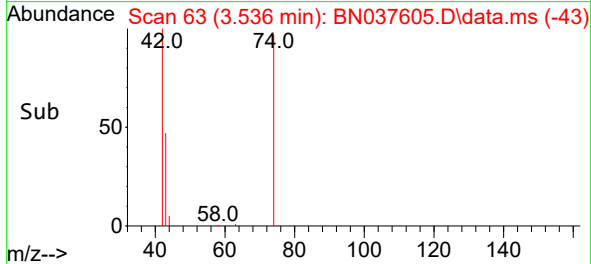
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion: 42 Resp: 418
Ion Ratio Lower Upper
42 100
74 94.0 82.0 123.0
44 0.0 7.9 11.9

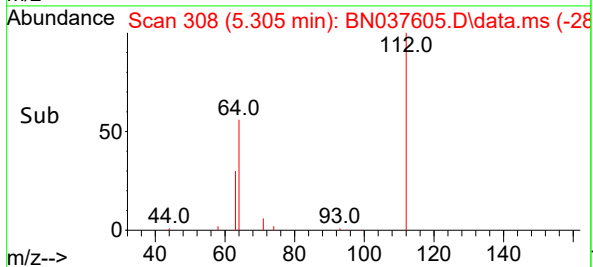
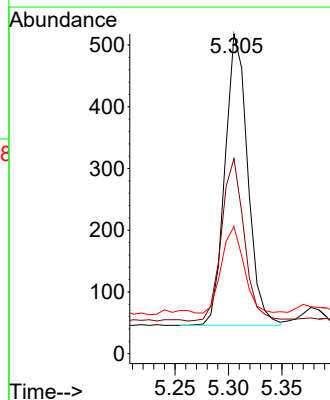
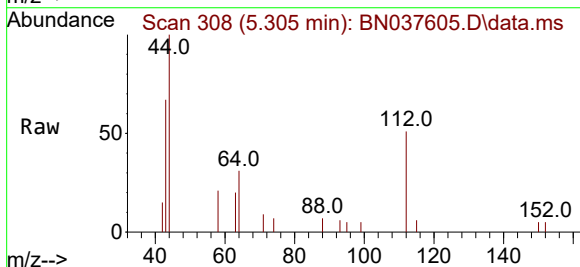
Manual Integrations
APPROVED

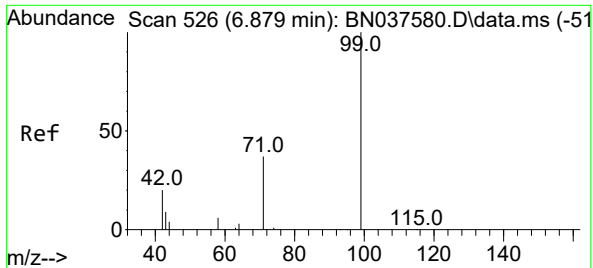
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

Tgt Ion:112 Resp: 698
Ion Ratio Lower Upper
112 100
64 55.6 44.9 67.3
63 29.5 23.4 35.2





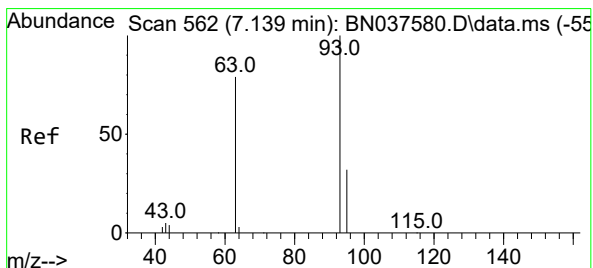
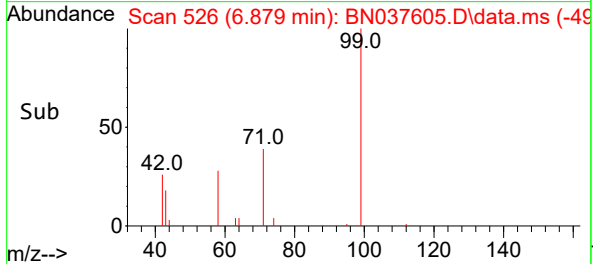
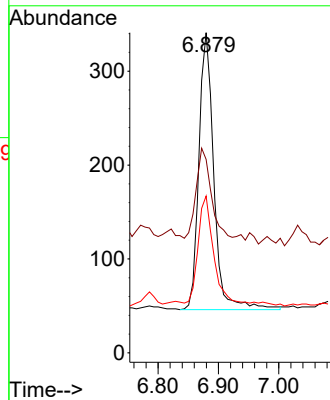
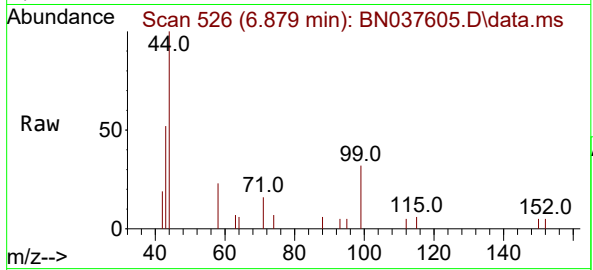
#5
Phenol-d6
Concen: 0.092 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS

Tgt Ion: 99 Resp: 508
Ion Ratio Lower Upper
99 100
42 32.3 18.5 27.7
71 39.4 28.6 42.8

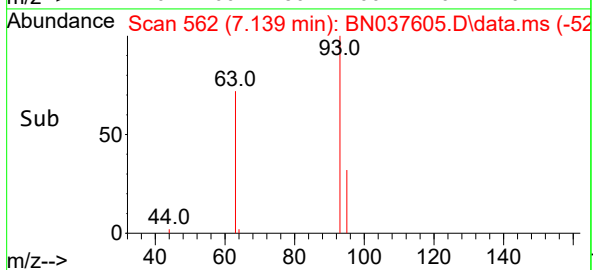
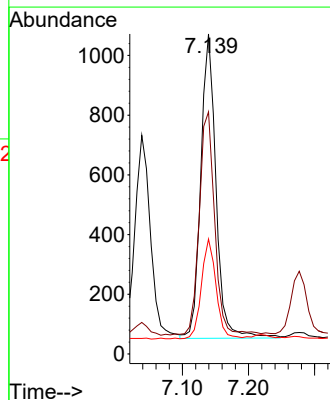
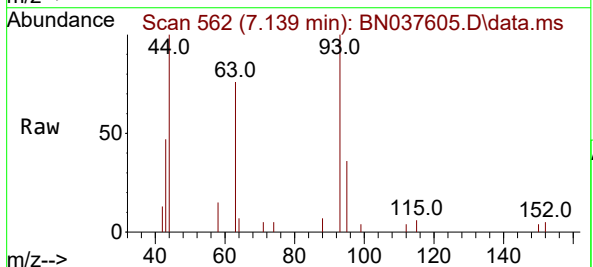
Manual Integrations
APPROVED

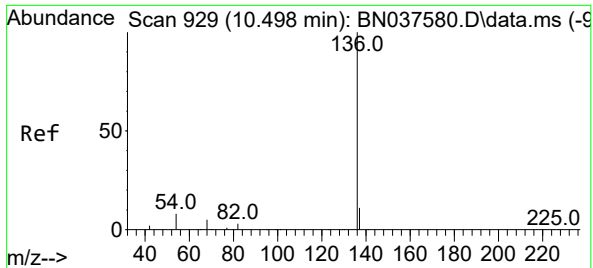
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.329 ng
RT: 7.139 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

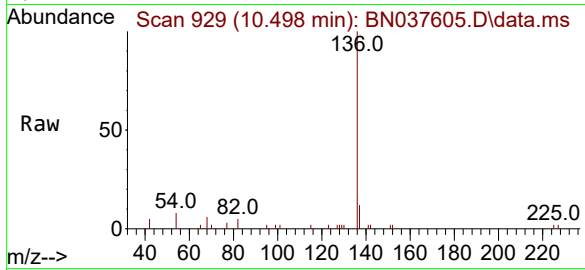
Tgt Ion: 93 Resp: 1634
Ion Ratio Lower Upper
93 100
63 74.9 58.0 87.0
95 31.4 24.9 37.3





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

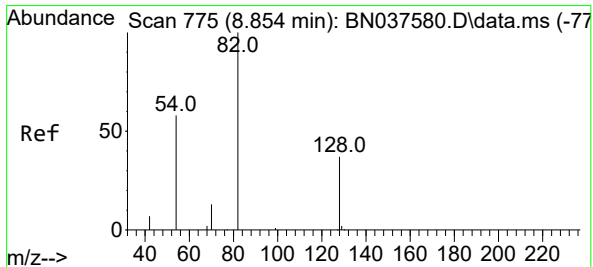
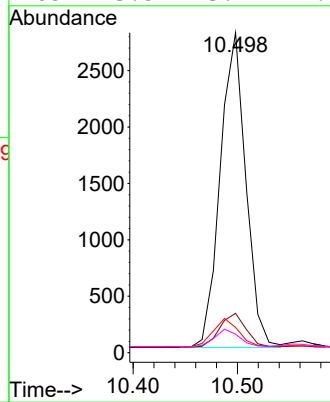
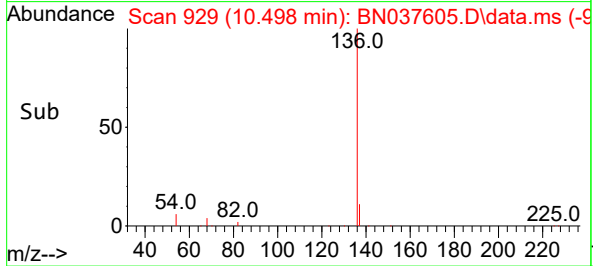
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion: 136 Resp: 476
Ion Ratio Lower Upper
136 100
137 12.3 9.5 14.3
54 7.9 7.3 10.9
68 5.8 5.1 7.7

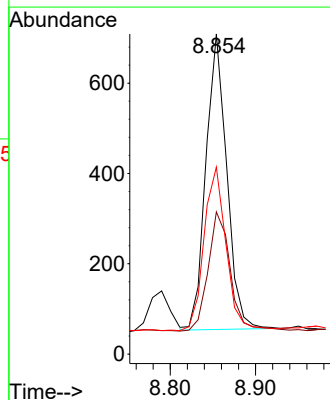
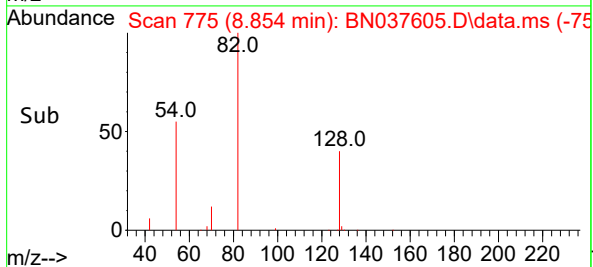
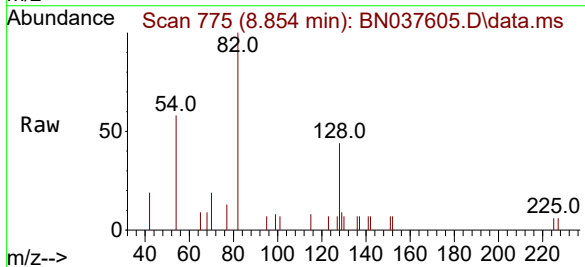
Manual Integrations
APPROVED

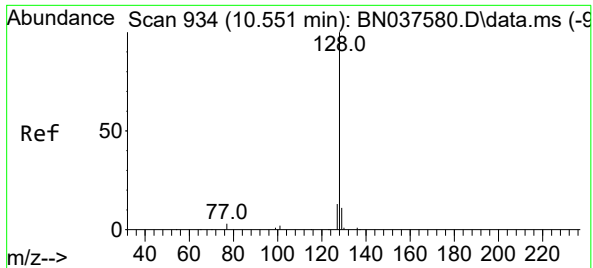
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

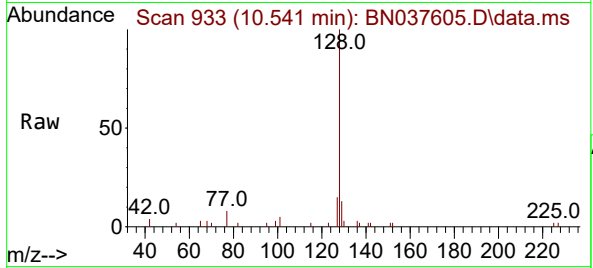
Tgt Ion: 82 Resp: 1111
Ion Ratio Lower Upper
82 100
128 44.4 32.6 48.8
54 58.4 48.9 73.3





#9
Naphthalene
Concen: 0.335 ng
RT: 10.541 min Scan# 910
Delta R.T. -0.010 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

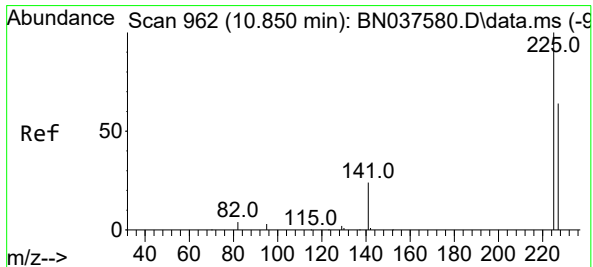
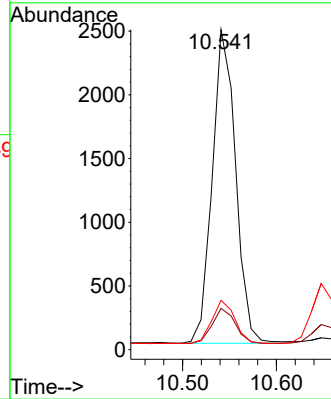
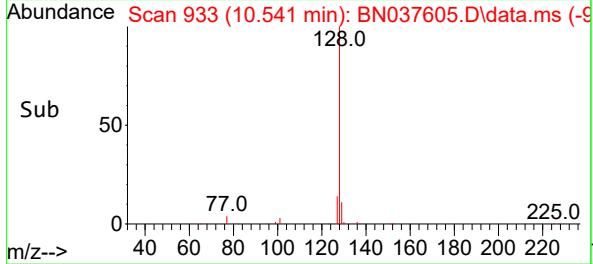
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:128 Resp: 4254
Ion Ratio Lower Upper
128 100
129 12.9 9.8 14.6
127 15.4 11.5 17.3

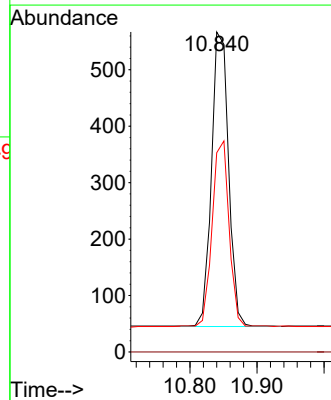
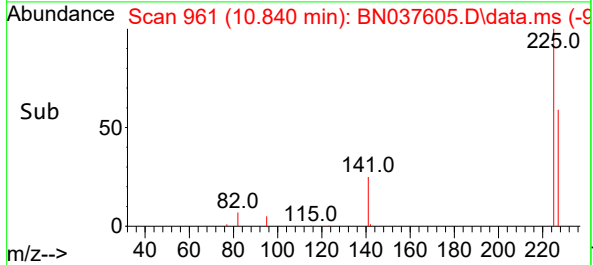
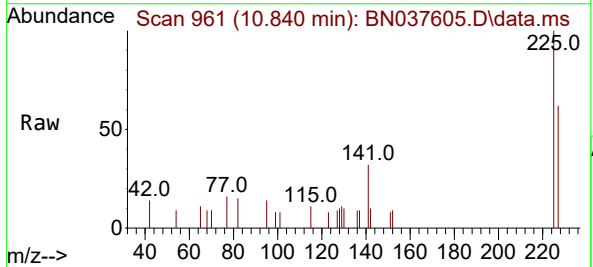
Manual Integrations
APPROVED

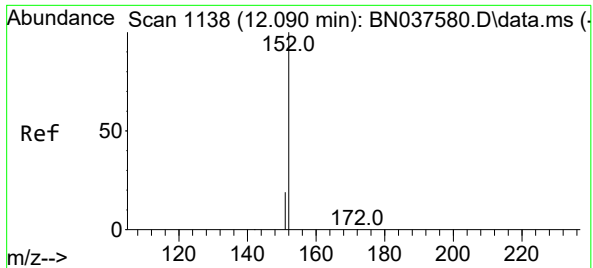
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#10
Hexachlorobutadiene
Concen: 0.298 ng
RT: 10.840 min Scan# 961
Delta R.T. -0.010 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

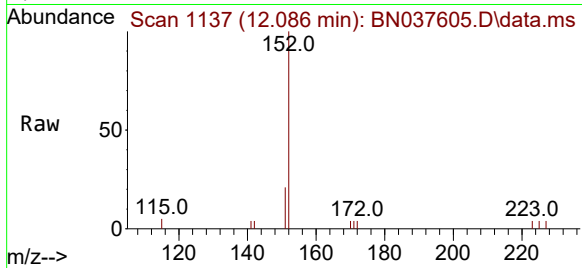
Tgt Ion:225 Resp: 924
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.3 50.8 76.2





#11
2-Methylnaphthalene-d10
Concen: 0.309 ng m
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

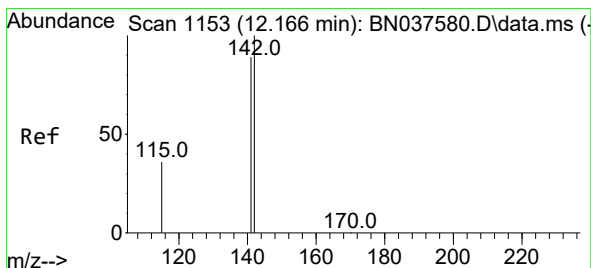
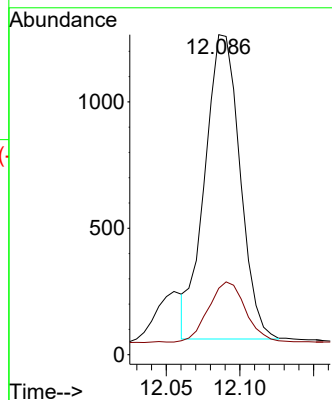
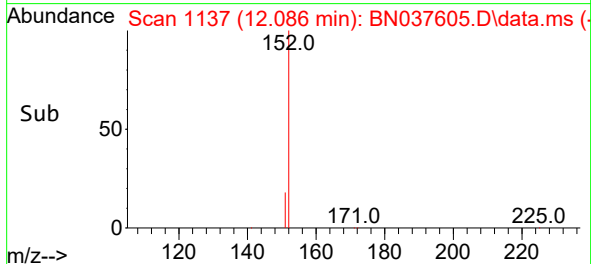
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



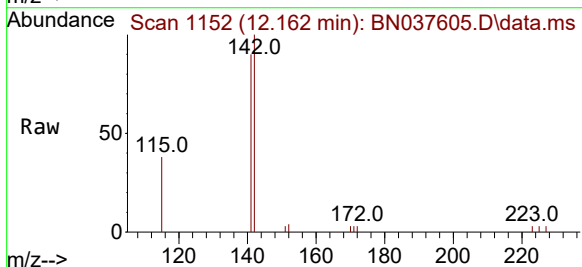
Tgt Ion:152 Resp: 200
Ion Ratio Lower Upper
152 100
151 22.1 17.3 25.9

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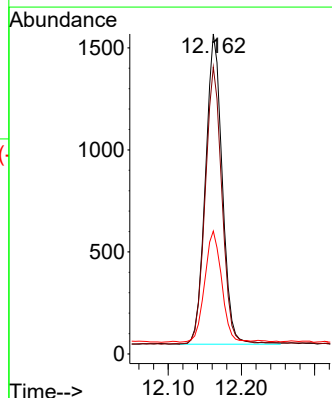
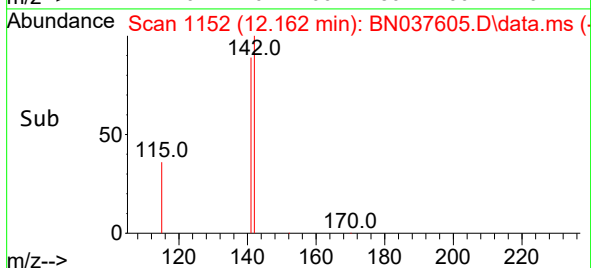
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

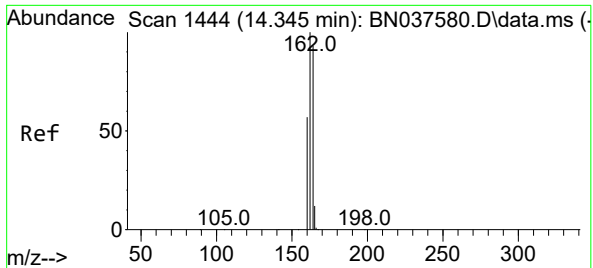


#12
2-Methylnaphthalene
Concen: 0.304 ng
RT: 12.162 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40



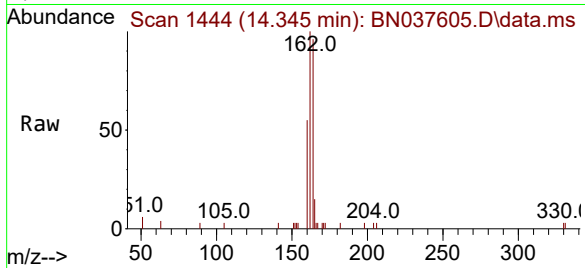
Tgt Ion:142 Resp: 2421
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.0
115 38.4 30.2 45.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

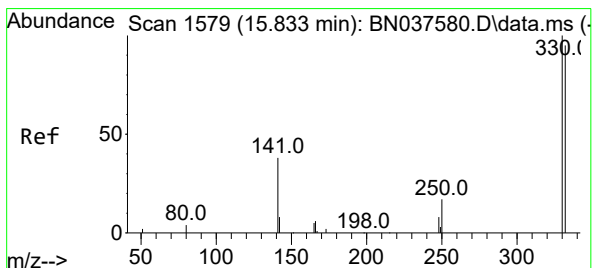
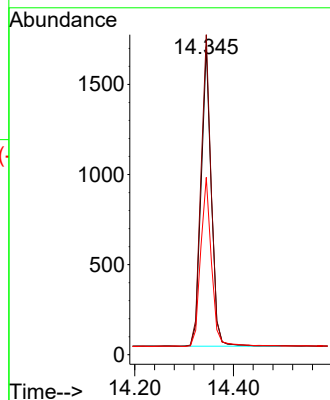
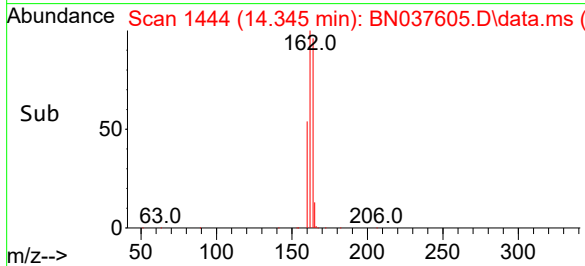
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



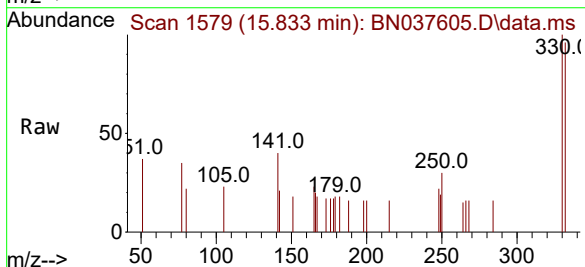
Tgt Ion:164 Resp: 2380
Ion Ratio Lower Upper
164 100
162 103.9 85.5 128.3
160 57.6 49.5 74.3

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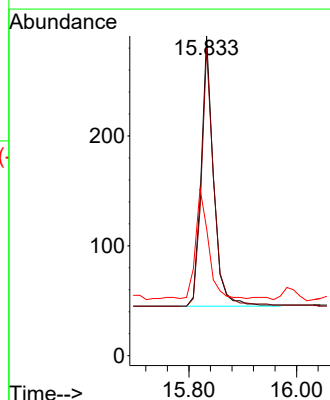
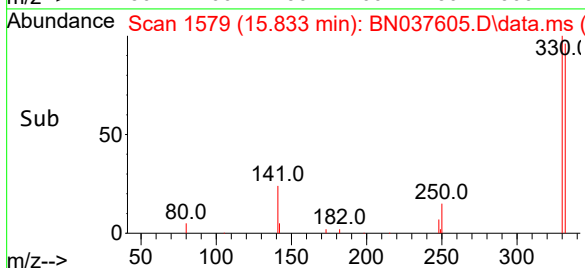
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

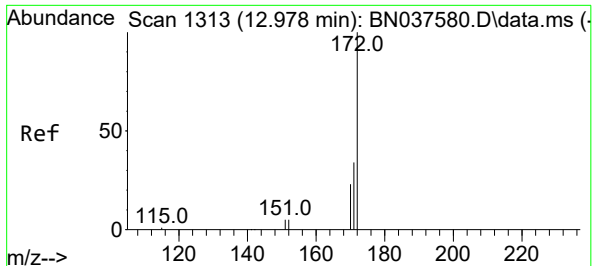


#14
2,4,6-Tribromophenol
Concen: 0.376 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40



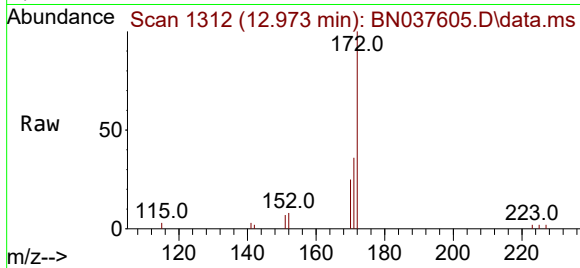
Tgt Ion:330 Resp: 392
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 43.4 30.9 46.3





#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.973 min Scan# 1313
Delta R.T. -0.005 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

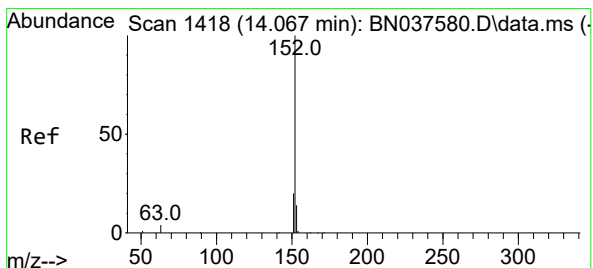
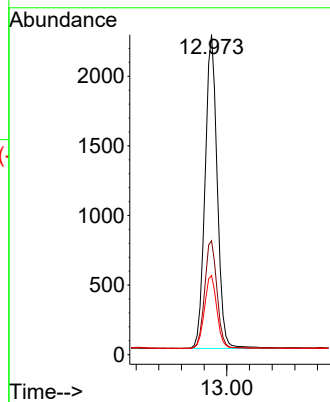
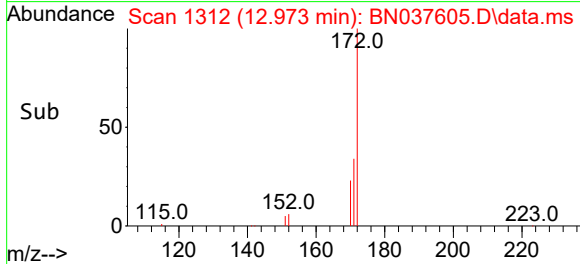
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:172 Resp: 445
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 24.7 19.2 28.8

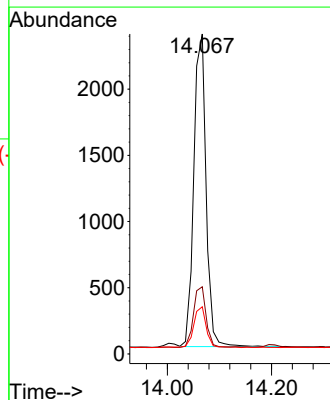
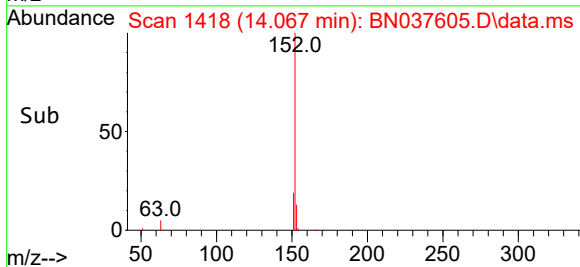
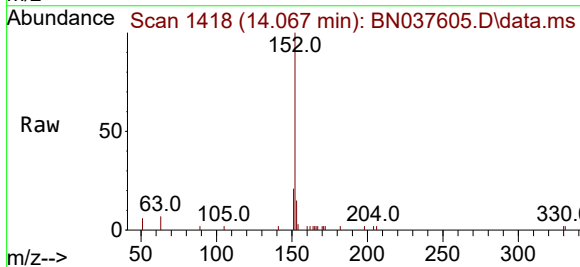
Manual Integrations
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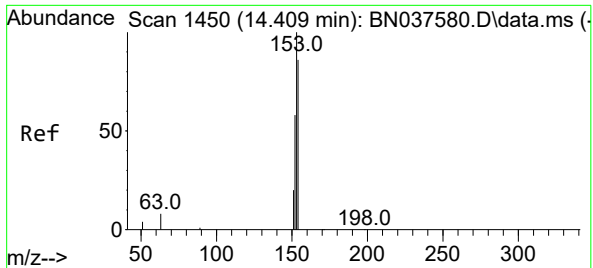
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.067 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

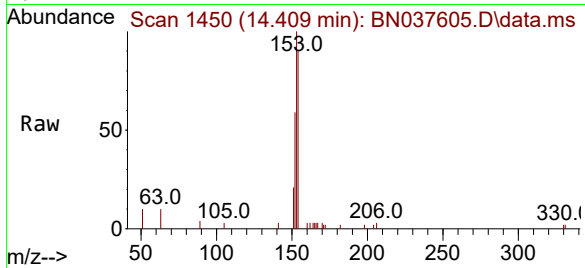
Tgt Ion:152 Resp: 3870
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.5 10.7 16.1





#17
Acenaphthene
Concen: 0.341 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

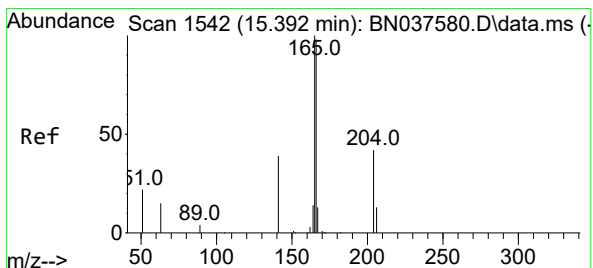
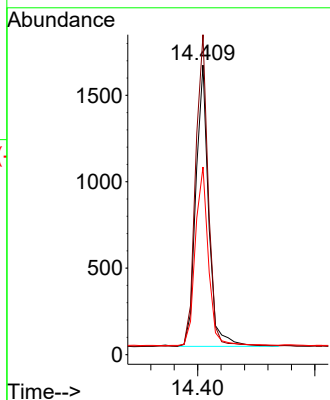
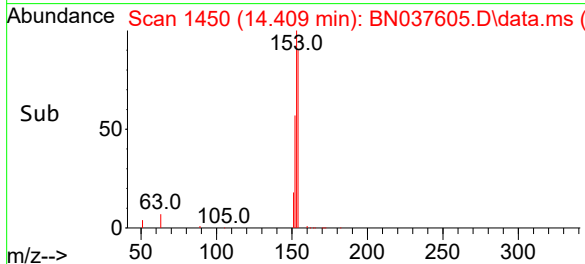
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:154 Resp: 247
Ion Ratio Lower Upper
154 100
153 109.5 90.6 135.8
152 65.1 54.9 82.3

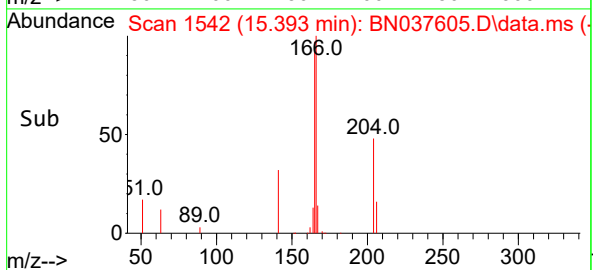
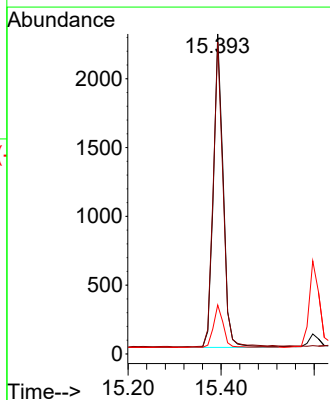
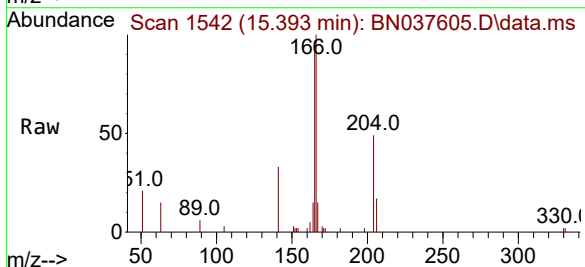
Manual Integrations
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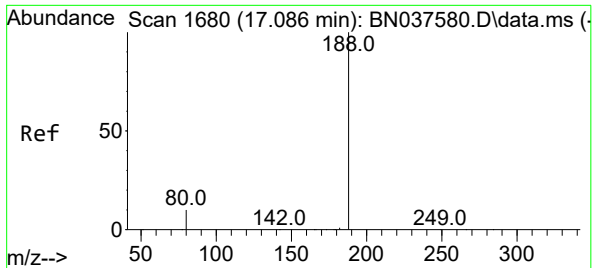
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#18
Fluorene
Concen: 0.352 ng
RT: 15.393 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

Tgt Ion:166 Resp: 3340
Ion Ratio Lower Upper
166 100
165 97.2 78.9 118.3
167 13.5 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BN037605.D

Acq: 19 Aug 2025 13:40

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MS

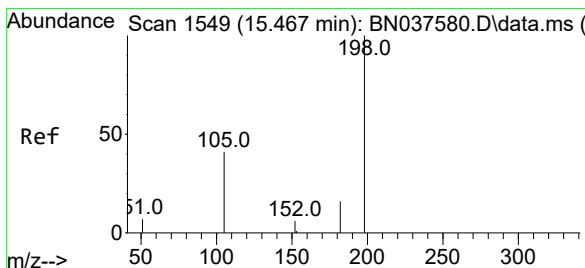
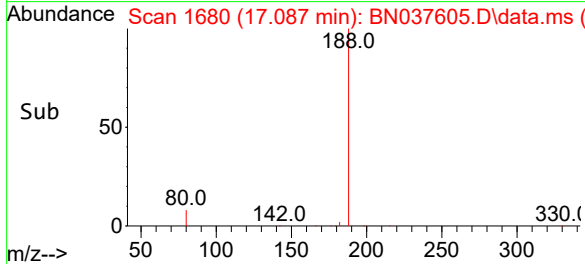
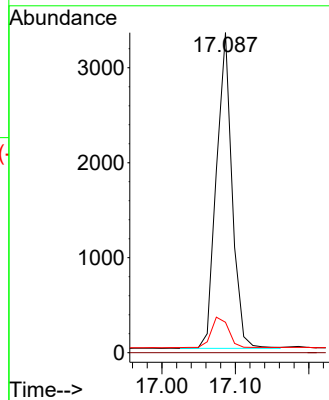
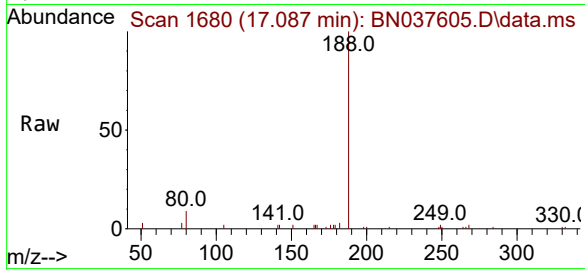
Tgt Ion:	188	Resp:	492
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.5	9.1	13.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.434 ng

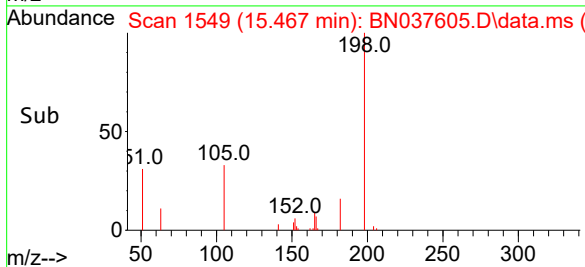
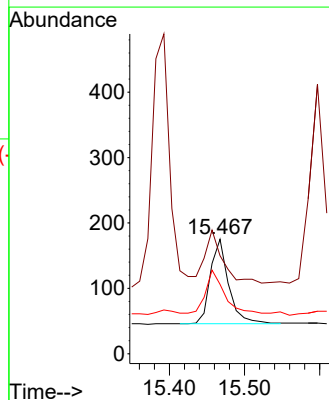
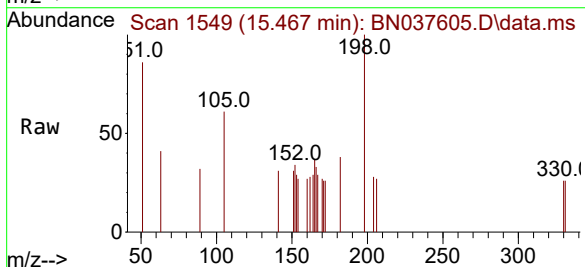
RT: 15.467 min Scan# 1549

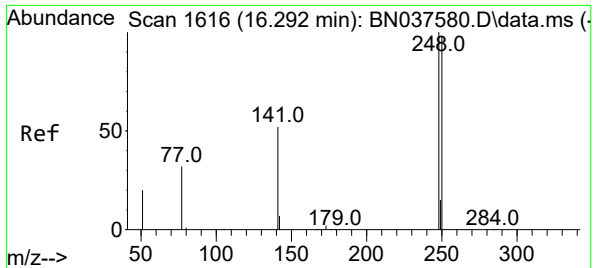
Delta R.T. 0.000 min

Lab File: BN037605.D

Acq: 19 Aug 2025 13:40

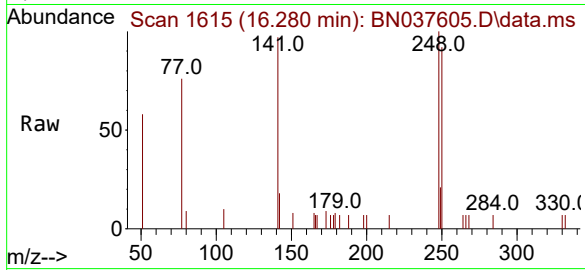
Tgt Ion:	198	Resp:	226
Ion Ratio	Lower	Upper	
198	100		
51	85.7	81.0	121.6
105	60.6	52.5	78.7





#21
4-Bromophenyl-phenylether
Concen: 0.352 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

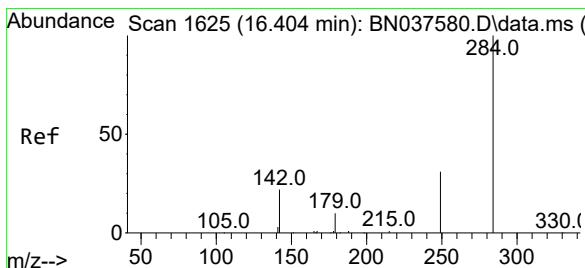
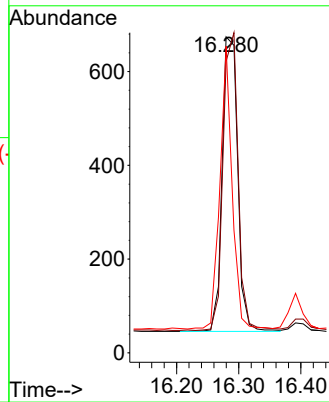
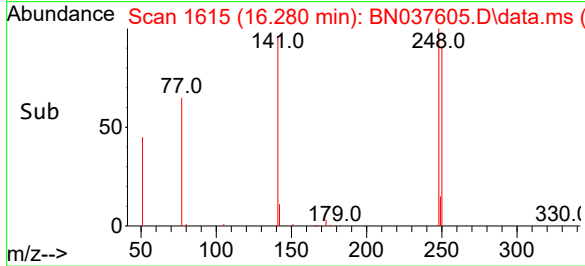
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:248 Resp: 1089
Ion Ratio Lower Upper
248 100
250 92.3 78.6 118.0
141 97.0 43.7 65.5

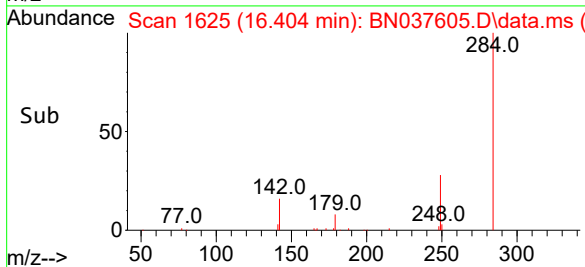
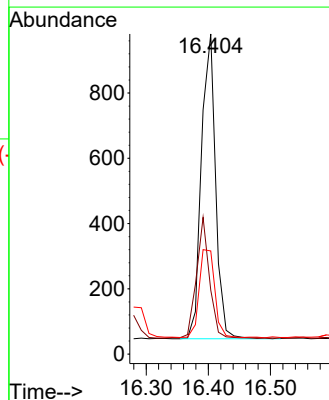
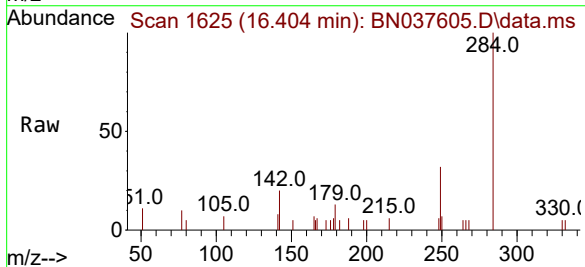
Manual Integrations
APPROVED

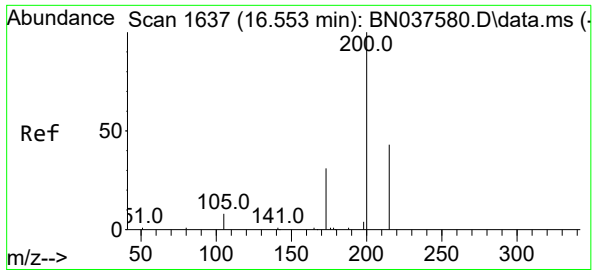
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#22
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.404 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

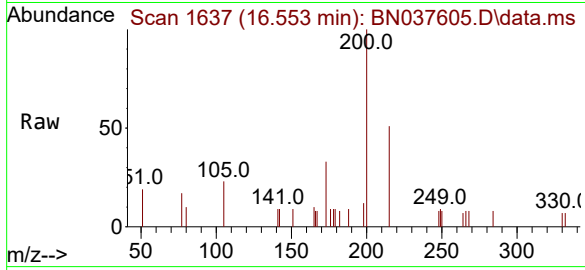
Tgt Ion:284 Resp: 1490
Ion Ratio Lower Upper
284 100
142 37.3 29.8 44.6
249 32.0 26.0 39.0





#23
Atrazine
Concen: 0.456 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

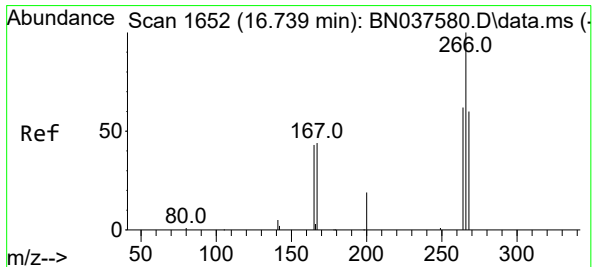
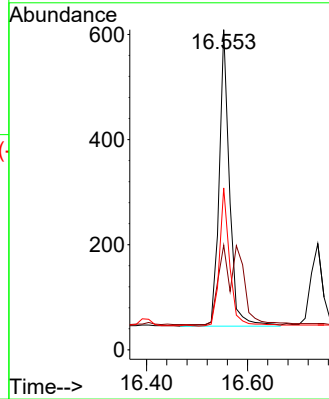
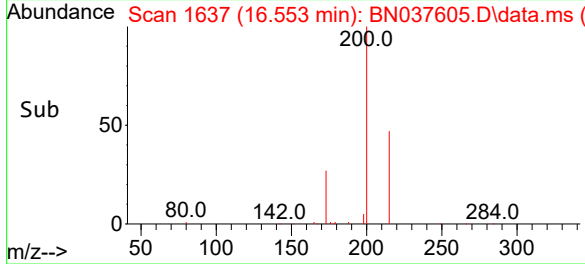
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:200 Resp: 79
Ion Ratio Lower Upper
200 100
173 32.7 31.0 46.4
215 50.6 39.4 59.0

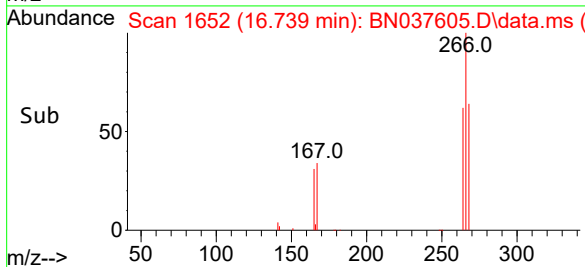
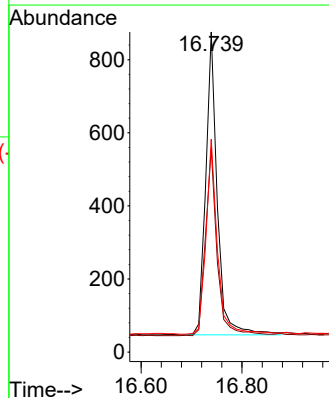
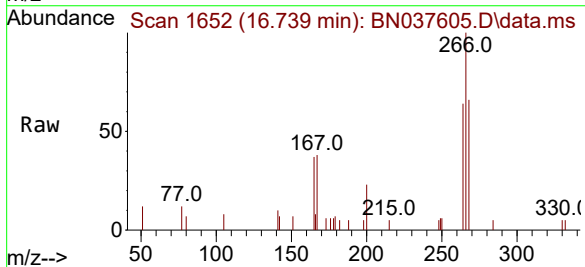
Manual Integrations
APPROVED

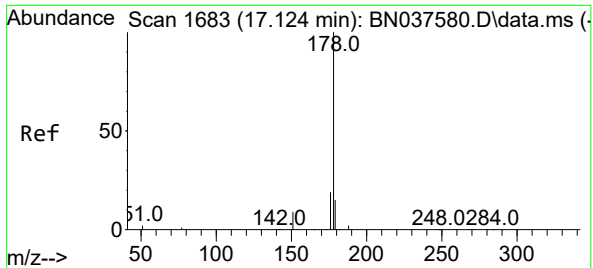
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#24
Pentachlorophenol
Concen: 0.857 ng
RT: 16.739 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

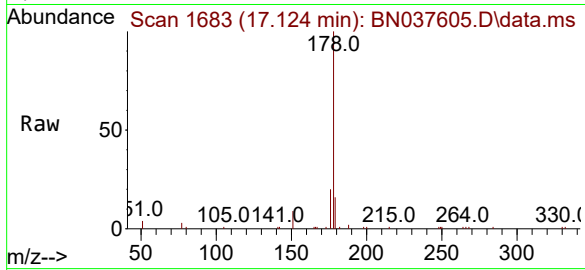
Tgt Ion:266 Resp: 1320
Ion Ratio Lower Upper
266 100
264 62.0 49.6 74.4
268 63.6 49.2 73.8





#25
Phenanthrene
Concen: 0.449 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

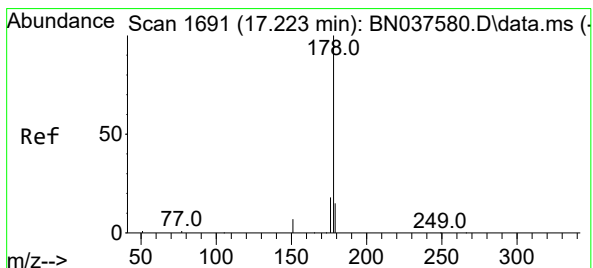
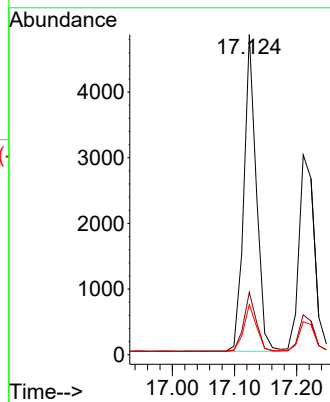
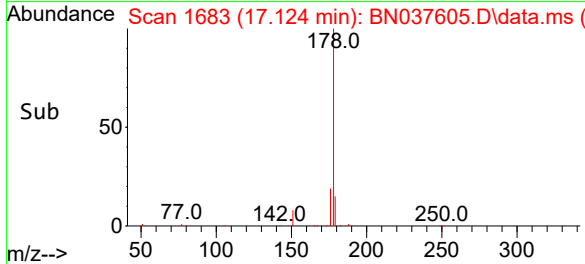
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:178 Resp: 6725
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.1 12.3 18.5

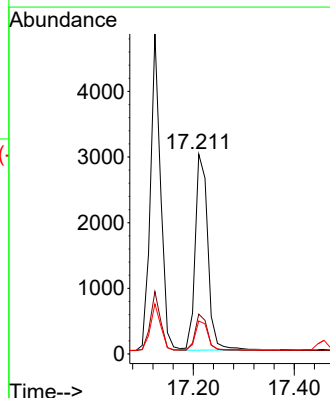
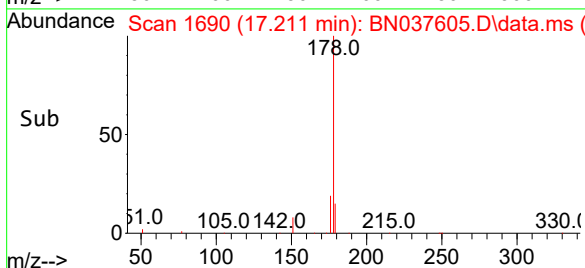
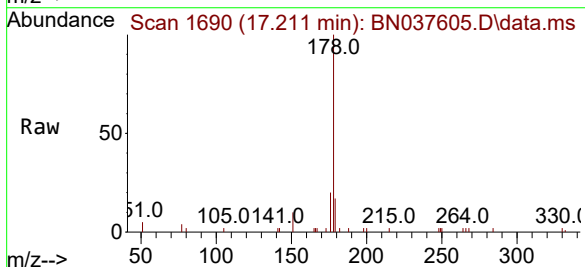
Manual Integrations
APPROVED

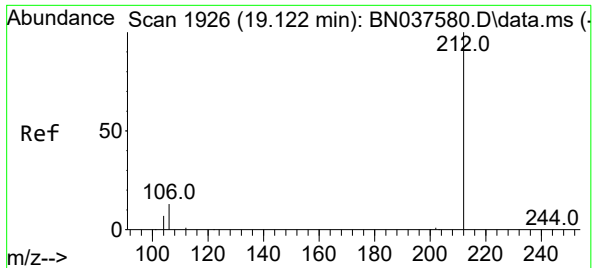
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#26
Anthracene
Concen: 0.393 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

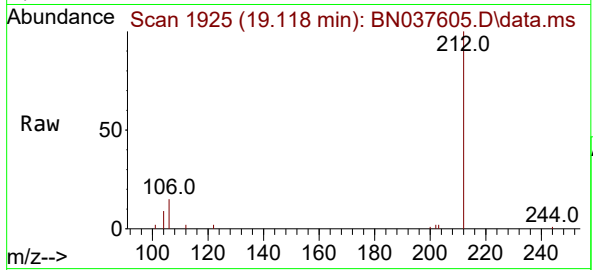
Tgt Ion:178 Resp: 5205
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.5 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

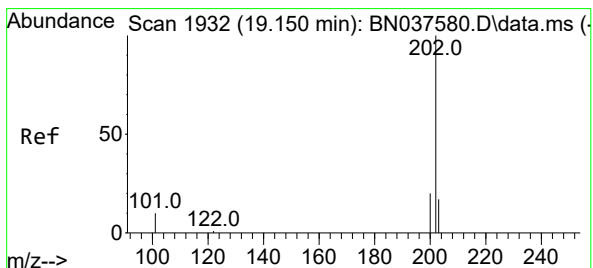
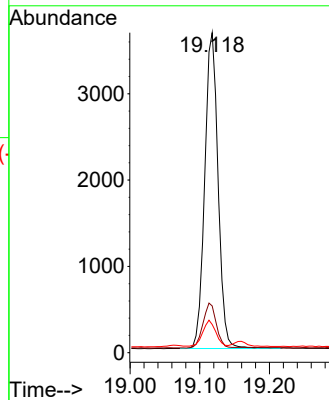
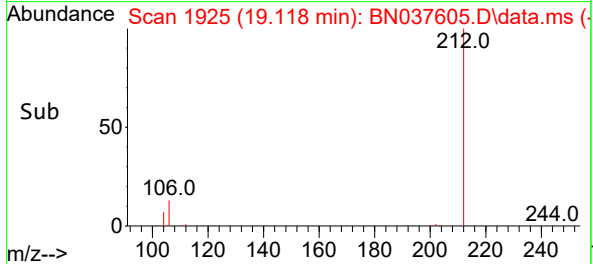
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:212 Resp: 4870
Ion Ratio Lower Upper
212 100
106 14.4 11.5 17.3
104 8.1 6.6 9.8

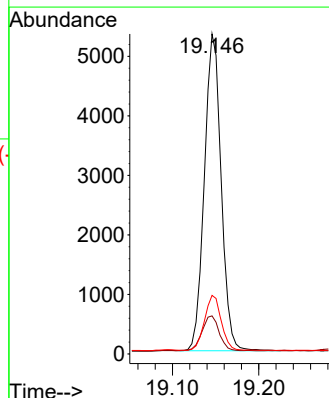
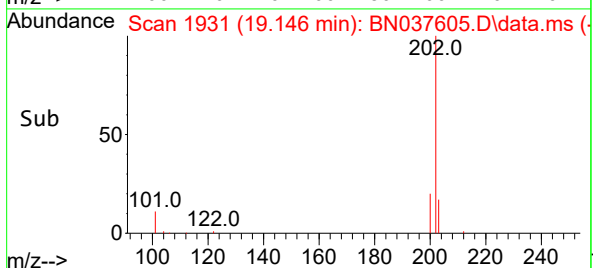
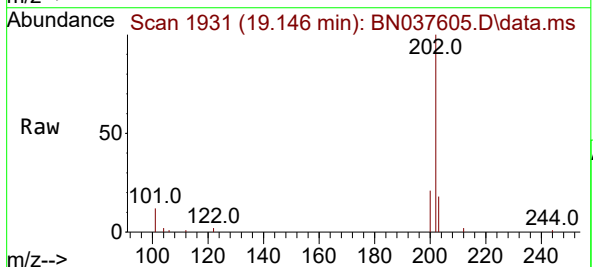
Manual Integrations
APPROVED

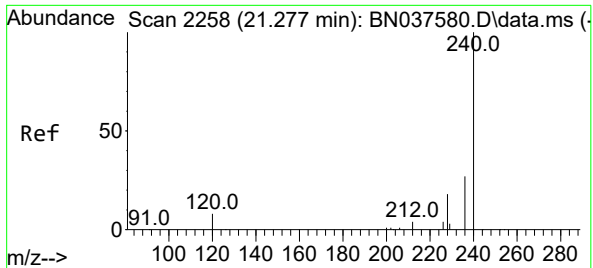
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#28
Fluoranthene
Concen: 0.420 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

Tgt Ion:202 Resp: 7212
Ion Ratio Lower Upper
202 100
101 11.4 9.0 13.6
203 17.2 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037605.D

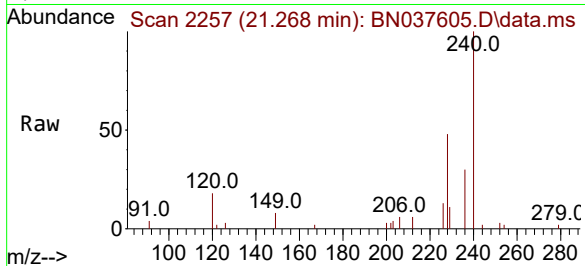
Acq: 19 Aug 2025 13:40

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MS



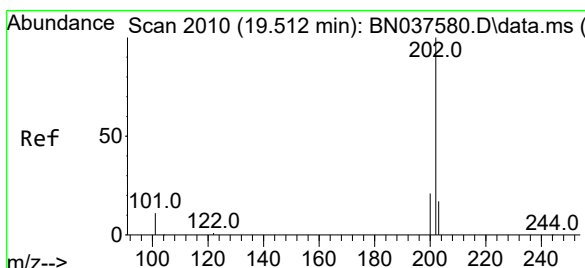
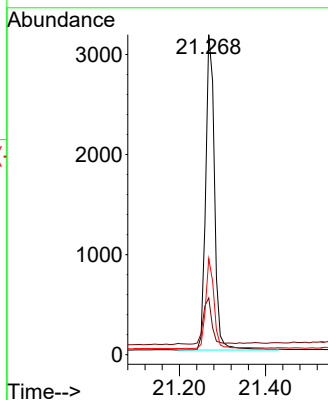
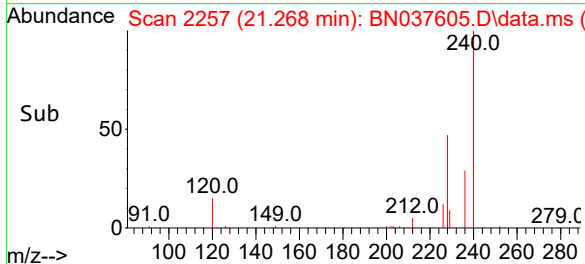
Tgt Ion:	240	Resp:	450
Ion Ratio	Lower	Upper	
240	100		
120	17.8	8.9	13.3
236	30.0	22.6	33.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#30

Pyrene

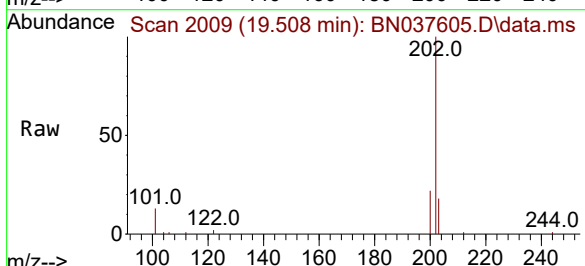
Concen: 0.415 ng

RT: 19.508 min Scan# 2009

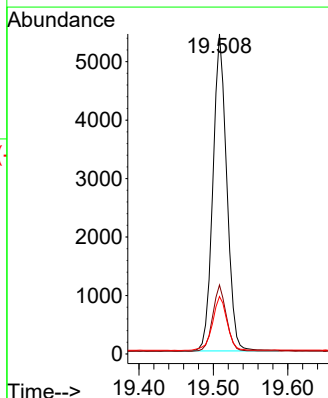
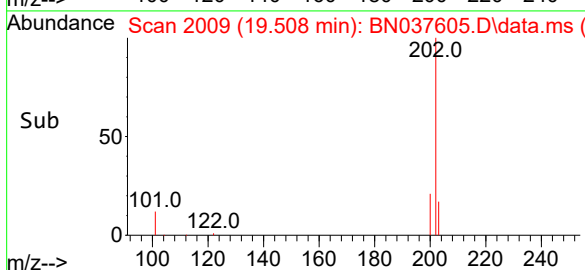
Delta R.T. -0.004 min

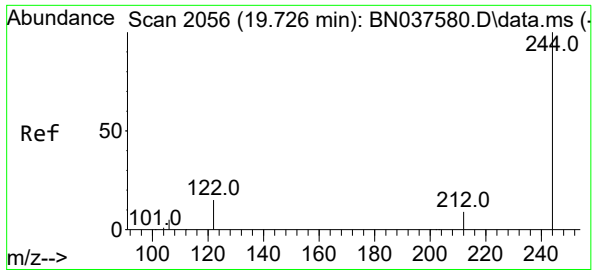
Lab File: BN037605.D

Acq: 19 Aug 2025 13:40



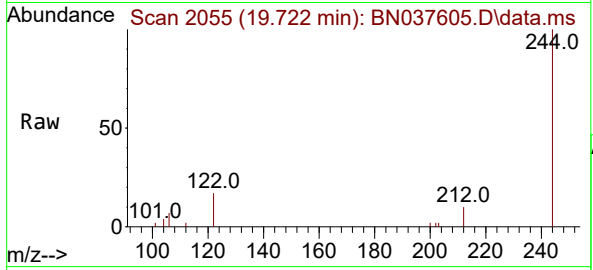
Tgt Ion:	202	Resp:	6994
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	25.0
203	17.9	14.3	21.5





#31
Terphenyl-d14
Concen: 0.468 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.004 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

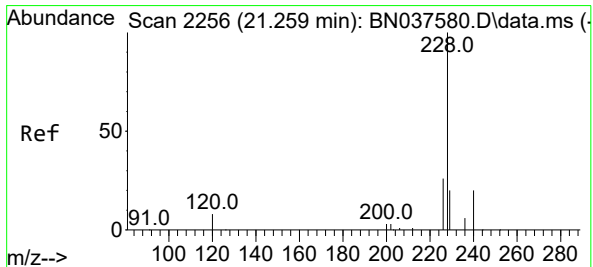
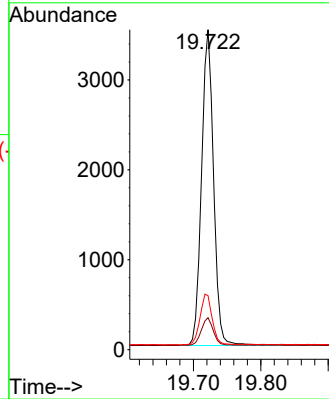
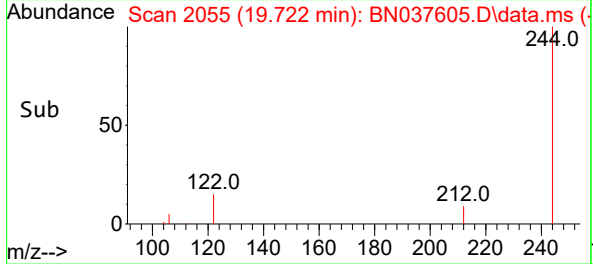
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:244 Resp: 4344
Ion Ratio Lower Upper
244 100
212 10.0 8.2 12.2
122 16.9 13.2 19.8

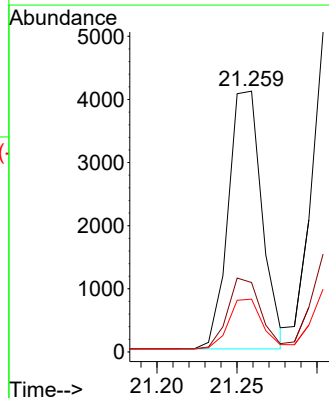
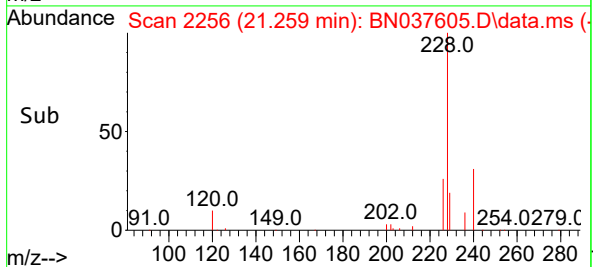
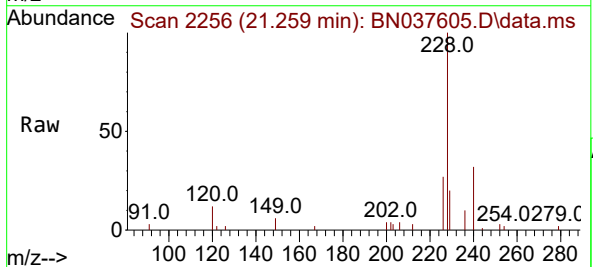
Manual Integrations
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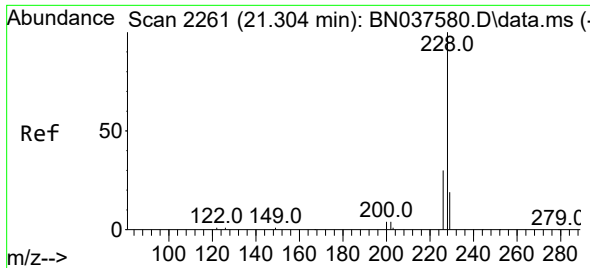
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#32
Benzo(a)anthracene
Concen: 0.400 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

Tgt Ion:228 Resp: 6028
Ion Ratio Lower Upper
228 100
226 26.6 21.5 32.3
229 20.2 16.5 24.7





#33

Chrysene

Concen: 0.399 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037605.D

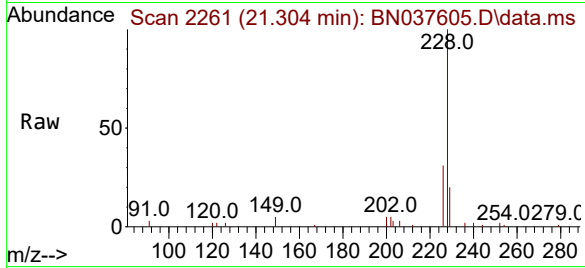
Acq: 19 Aug 2025 13:40

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MS



Tgt Ion:228 Resp: 6700

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

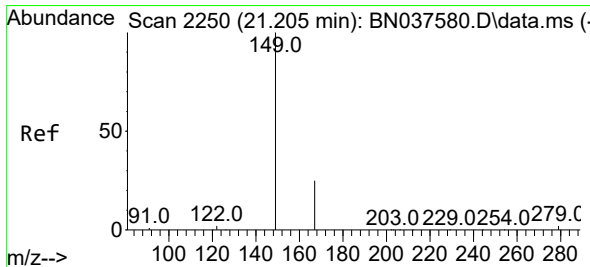
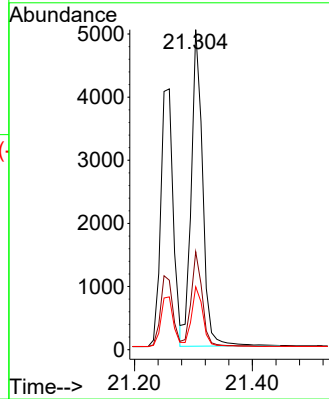
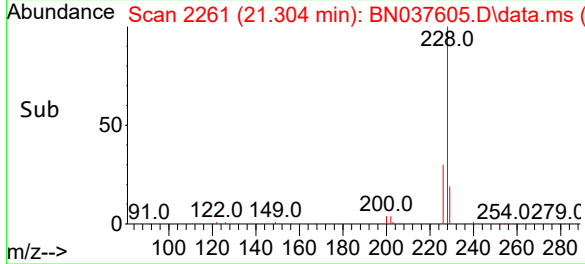
229 19.7 15.8 23.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.550 ng

RT: 21.205 min Scan# 2250

Delta R.T. 0.000 min

Lab File: BN037605.D

Acq: 19 Aug 2025 13:40

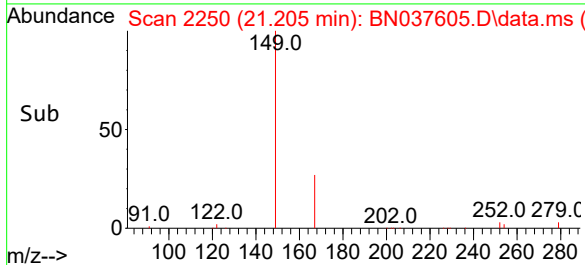
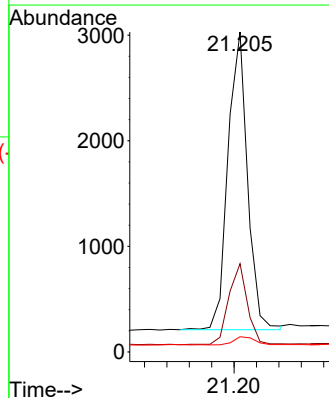
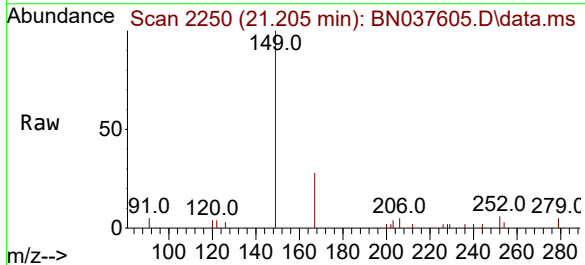
Tgt Ion:149 Resp: 3417

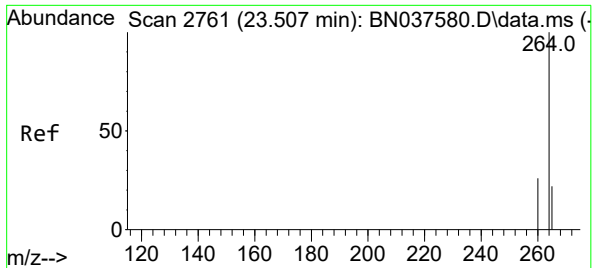
Ion Ratio Lower Upper

149 100

167 26.4 20.5 30.7

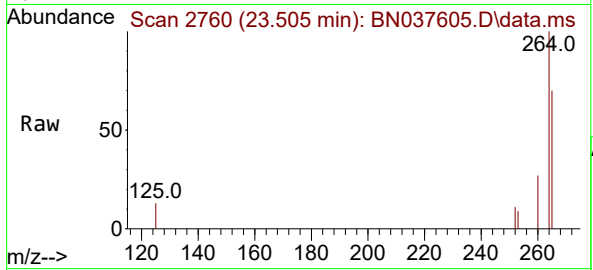
279 3.0 2.6 4.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.505 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

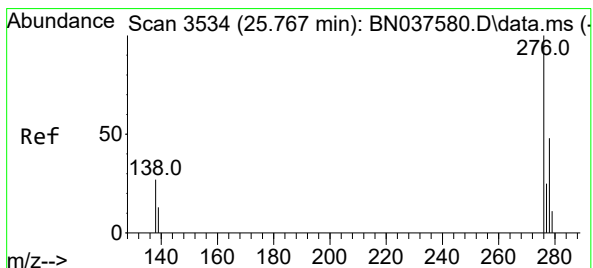
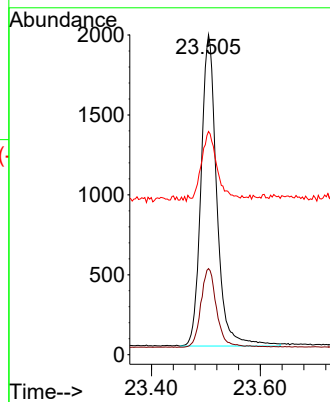
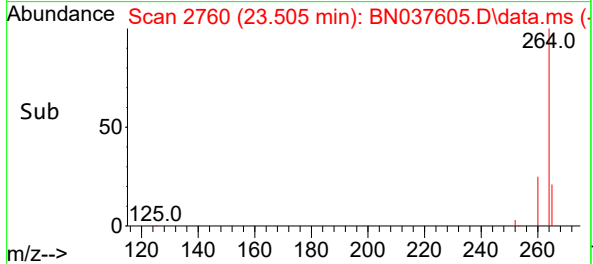
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS



Tgt Ion:264 Resp: 3909
Ion Ratio Lower Upper
264 100
260 26.9 21.6 32.4
265 69.7 48.2 72.4

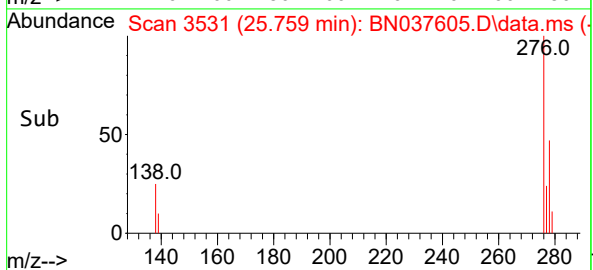
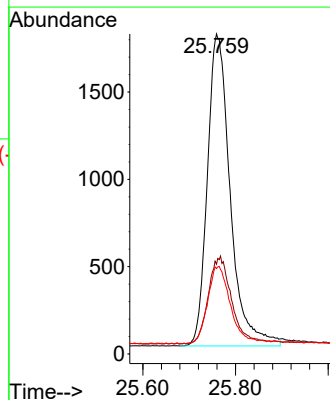
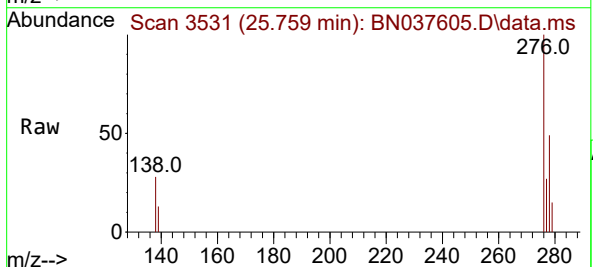
Manual Integrations
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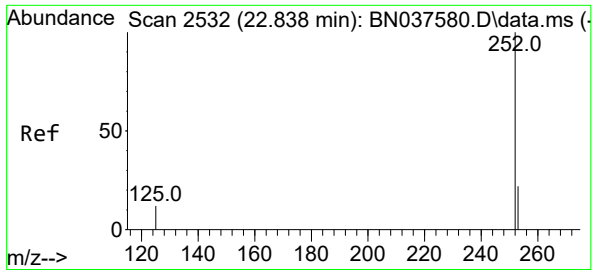
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 25.759 min Scan# 3531
Delta R.T. -0.008 min
Lab File: BN037605.D
Acq: 19 Aug 2025 13:40

Tgt Ion:276 Resp: 6122
Ion Ratio Lower Upper
276 100
138 28.7 23.3 34.9
277 24.6 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.411 ng

RT: 22.832 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037605.D

Acq: 19 Aug 2025 13:40

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MS

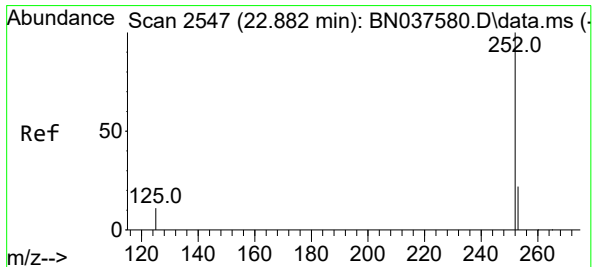
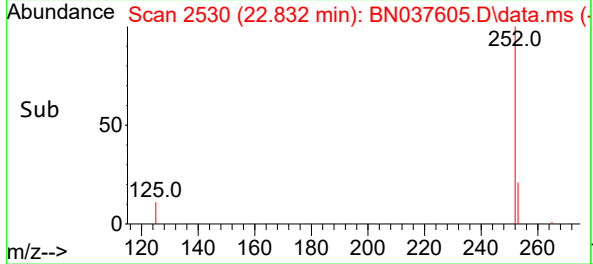
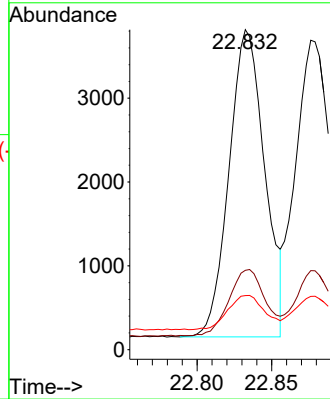
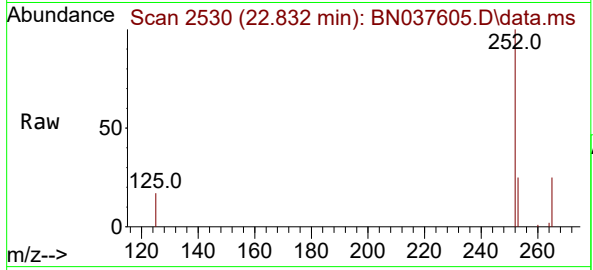
Tgt Ion:252	Resp:	6094	
Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.0	30.0
125	16.9	13.8	20.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#38

Benzo(k)fluoranthene

Concen: 0.374 ng

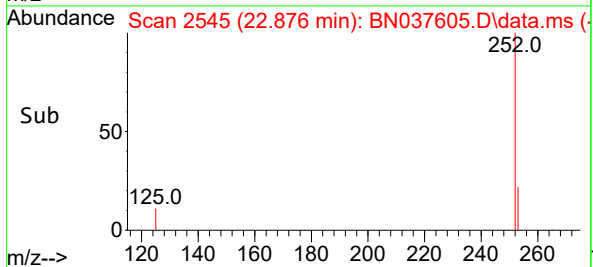
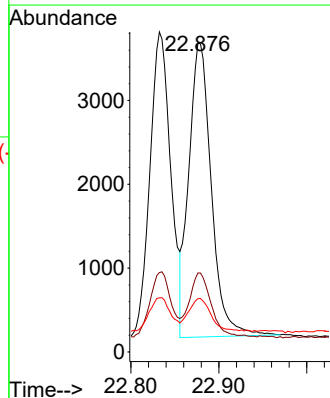
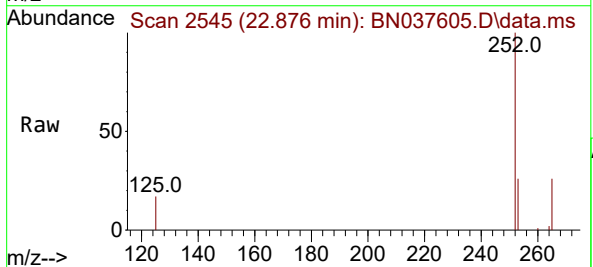
RT: 22.876 min Scan# 2545

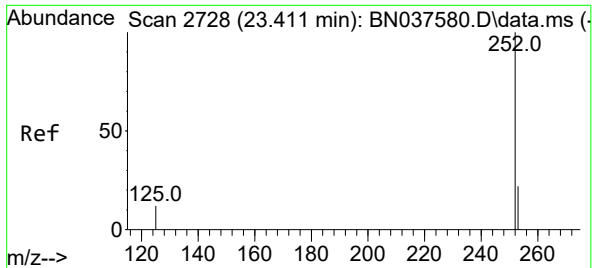
Delta R.T. -0.006 min

Lab File: BN037605.D

Acq: 19 Aug 2025 13:40

Tgt	Ion:252	Resp:	6247
Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.9	29.9
125	17.2	15.0	22.6





#39

Benzo(a)pyrene

Concen: 0.411 ng

RT: 23.405 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037605.D

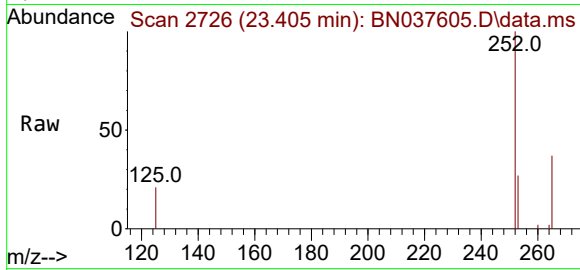
Acq: 19 Aug 2025 13:40

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MS



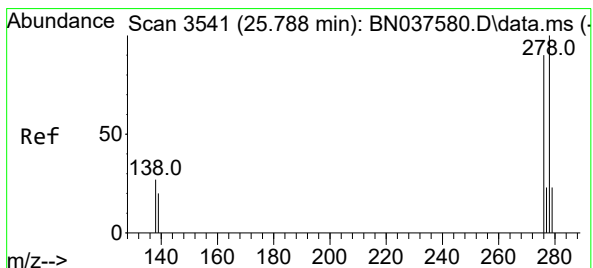
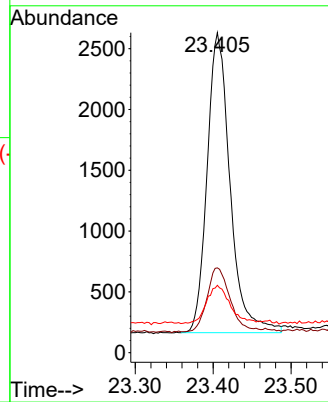
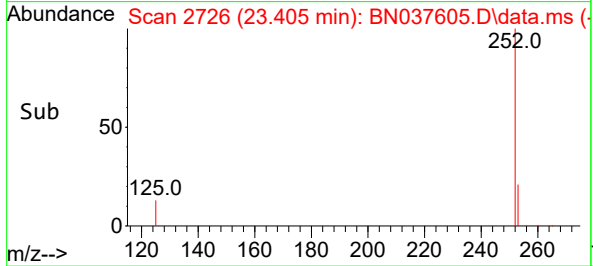
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	21.6	32.4
125	21.0	16.8	25.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#40

Dibenzo(a,h)anthracene

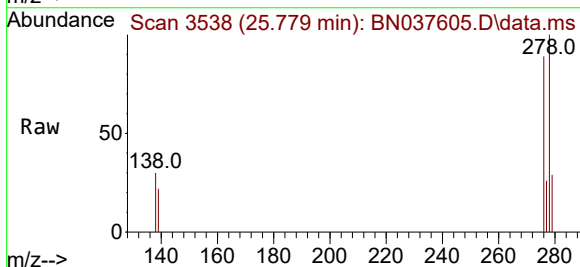
Concen: 0.368 ng

RT: 25.779 min Scan# 3538

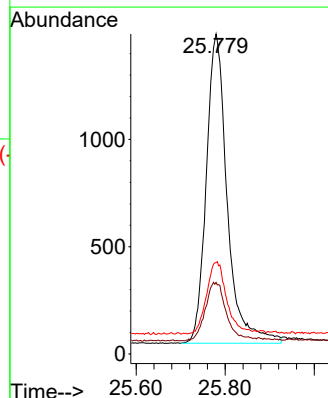
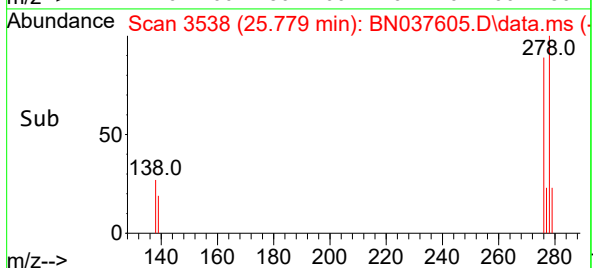
Delta R.T. -0.009 min

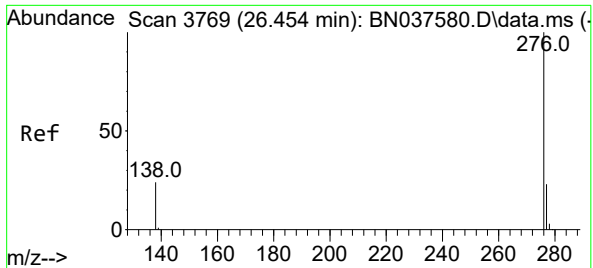
Lab File: BN037605.D

Acq: 19 Aug 2025 13:40



Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	18.3	27.5
279	28.6	22.5	33.7





#41

Benzo(g,h,i)perylene

Concen: 0.391 ng

RT: 26.449 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN037605.D

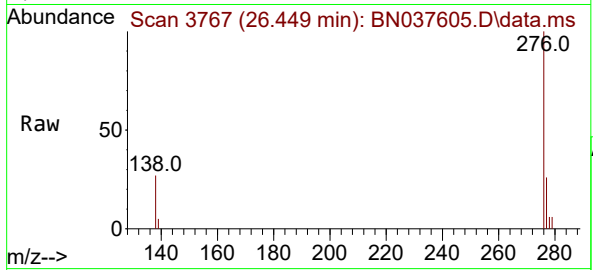
Acq: 19 Aug 2025 13:40

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MS



Tgt Ion:276 Resp: 5269

Ion Ratio Lower Upper

276 100

277 26.2 21.0 31.4

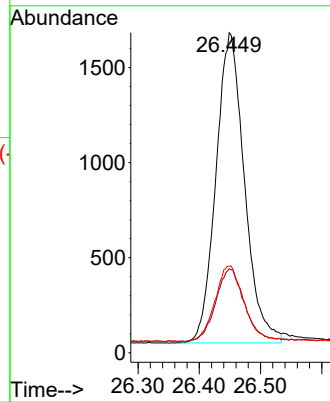
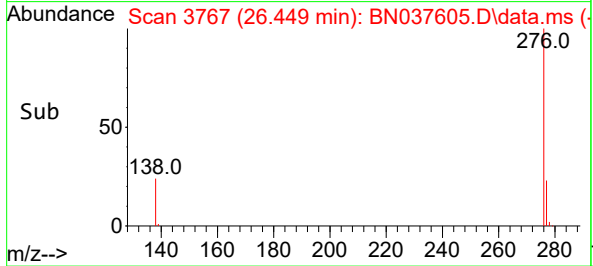
138 27.0 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025MSD	SDG No.:	Q2869
Lab Sample ID:	Q2842-05MSD	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
BN037606.D	1	08/18/25 08:41	08/19/25 14:17	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2020	7.717			
1146-65-2	Naphthalene-d8	4840	10.498			
15067-26-2	Acenaphthene-d10	2410	14.344			
1517-22-2	Phenanthrene-d10	5010	17.086			
1719-03-5	Chrysene-d12	4560	21.267			
1520-96-3	Perylene-d12	3940	23.504			

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\BN081925\
 Data File : BN037606.D
 Acq On : 19 Aug 2025 14:17
 Operator : RC/JU
 Sample : Q2842-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-17B-55.5-08122025MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:26:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2022	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4839	0.400	ng	0.00
13) Acenaphthene-d10	14.344	164	2406	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5009	0.400	ng	0.00
29) Chrysene-d12	21.267	240	4561	0.400	ng	# 0.00
35) Perylene-d12	23.504	264	3935	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.304	112	713	0.156	ng	0.00
5) Phenol-d6	6.879	99	499	0.090	ng	0.00
8) Nitrobenzene-d5	8.853	82	1080	0.317	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	1993m	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	401	0.381	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4509	0.324	ng	0.00
27) Fluoranthene-d10	19.117	212	4894	0.371	ng	0.00
31) Terphenyl-d14	19.721	244	4395	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5537	2.862	ng	# 92
3) n-Nitrosodimethylamine	3.535	42	412	0.167	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	1634	0.329	ng	97
9) Naphthalene	10.540	128	4289	0.333	ng	98
10) Hexachlorobutadiene	10.850	225	911	0.289	ng	# 99
12) 2-Methylnaphthalene	12.161	142	2410	0.298	ng	100
16) Acenaphthylene	14.066	152	3852	0.357	ng	100
17) Acenaphthene	14.408	154	2466	0.336	ng	98
18) Fluorene	15.392	166	3360	0.350	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	237	0.441	ng	90
21) 4-Bromophenyl-phenylether	16.292	248	1112	0.353	ng	# 90
22) Hexachlorobenzene	16.403	284	1477	0.331	ng	98
23) Atrazine	16.552	200	799	0.449	ng	96
24) Pentachlorophenol	16.738	266	1294	0.826	ng	97
25) Phenanthrene	17.123	178	6750	0.443	ng	100
26) Anthracene	17.210	178	5136	0.381	ng	99
28) Fluoranthene	19.145	202	7312	0.418	ng	100
30) Pyrene	19.508	202	7072	0.415	ng	99
32) Benzo(a)anthracene	21.250	228	6132	0.402	ng	98
33) Chrysene	21.303	228	6692	0.394	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	3509	0.558	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	6228	0.376	ng	98
37) Benzo(b)fluoranthene	22.832	252	6261	0.420	ng	100
38) Benzo(k)fluoranthene	22.876	252	6279	0.373	ng	98
39) Benzo(a)pyrene	23.405	252	5127	0.415	ng	99
40) Dibenzo(a,h)anthracene	25.776	278	4745	0.369	ng	99
41) Benzo(g,h,i)perylene	26.445	276	5431	0.401	ng	99

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

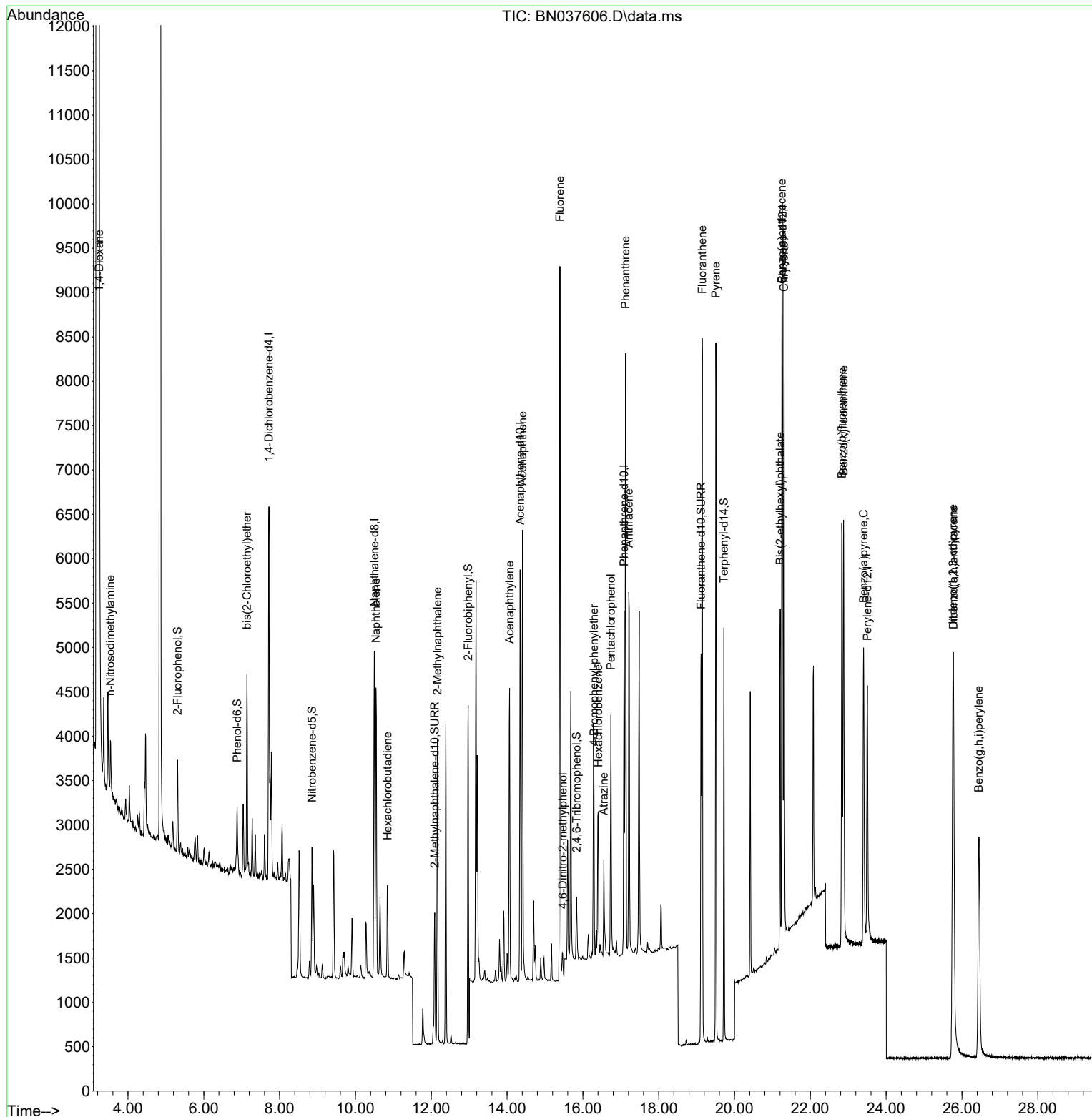
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 Data File : BN037606.D
 Acq On : 19 Aug 2025 14:17
 Operator : RC/JU
 Sample : Q2842-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

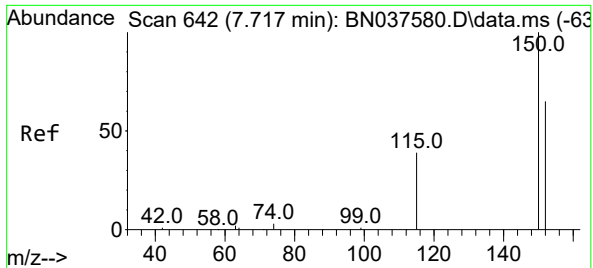
Instrument :
 BNA_N
 ClientSampleId :
 MW-17B-55.5-08122025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

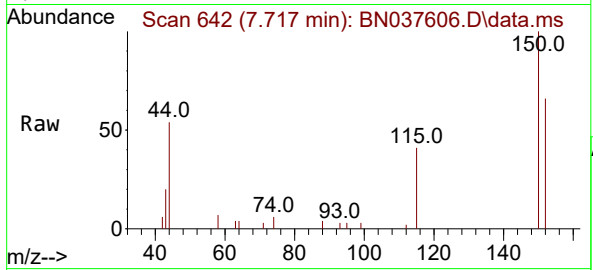
Quant Time: Aug 20 01:26:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 642
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

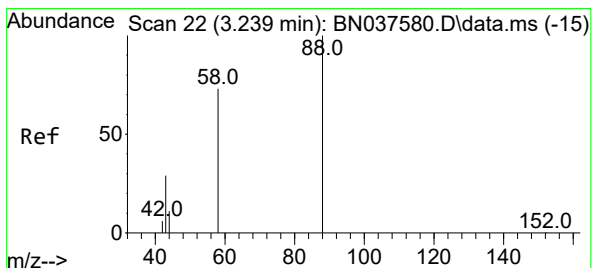
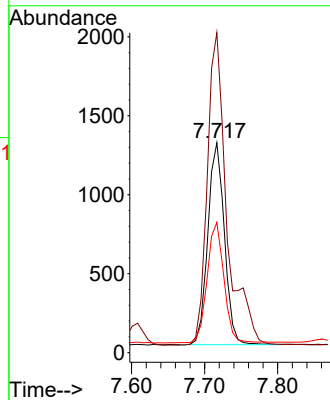
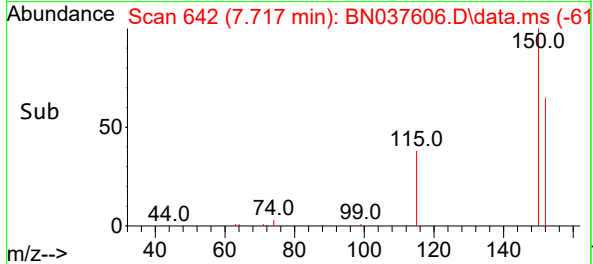
Instrument : BNA_N
ClientSampleId : MW-17B-55.5-08122025MSD



Tgt Ion: 152 Resp: 2022
Ion Ratio Lower Upper
152 100
150 152.4 122.2 183.4
115 62.0 49.8 74.6

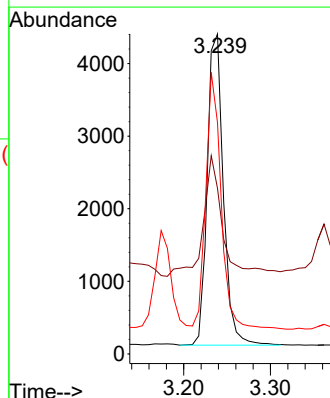
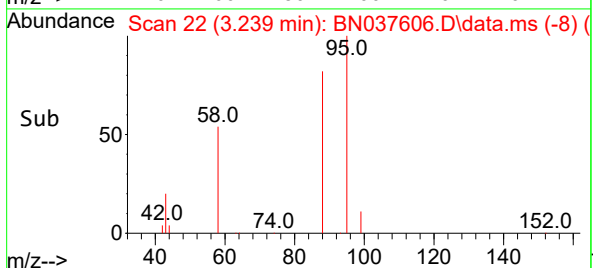
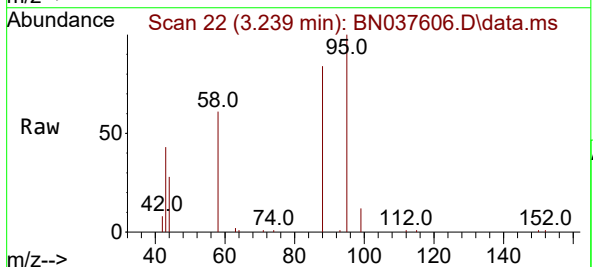
Manual Integrations
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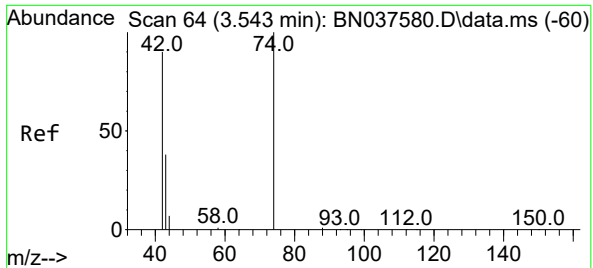
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#2
1,4-Dioxane
Concen: 2.862 ng
RT: 3.239 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

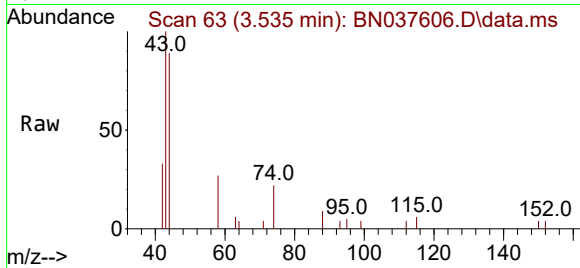
Tgt Ion: 88 Resp: 5537
Ion Ratio Lower Upper
88 100
43 47.0 25.8 38.6#
58 77.2 61.2 91.8





#3
n-Nitrosodimethylamine
Concen: 0.167 ng
RT: 3.535 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

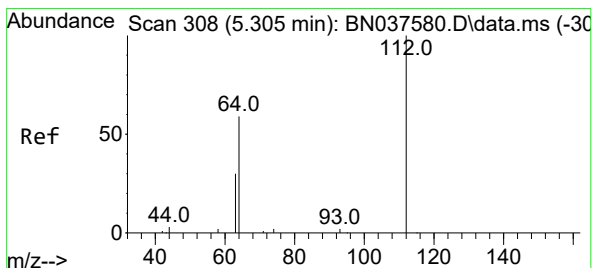
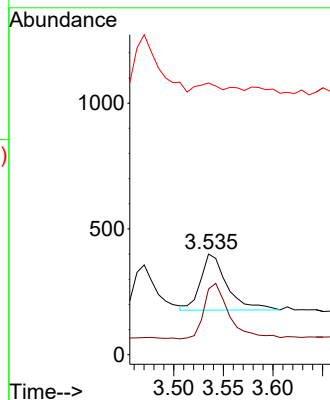
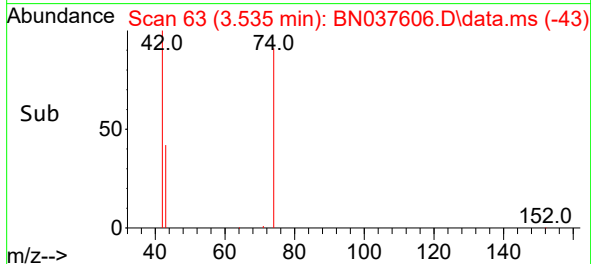
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion: 42 Resp: 412
Ion Ratio Lower Upper
42 100
74 97.1 82.0 123.0
44 16.7 7.9 11.9

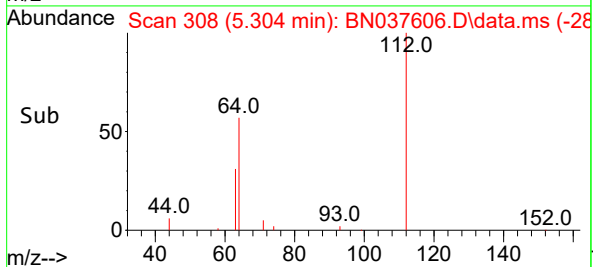
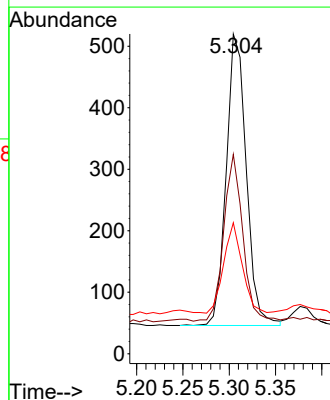
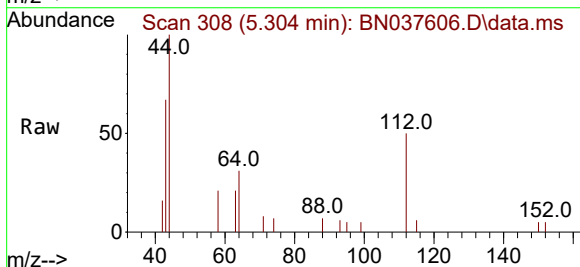
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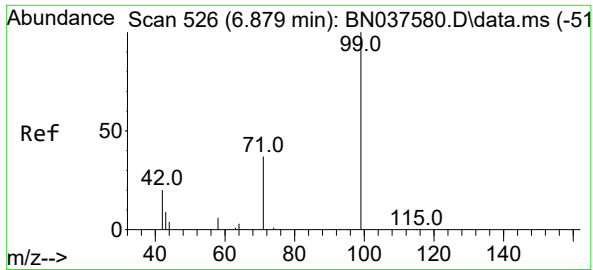
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#4
2-Fluorophenol
Concen: 0.156 ng
RT: 5.304 min Scan# 308
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

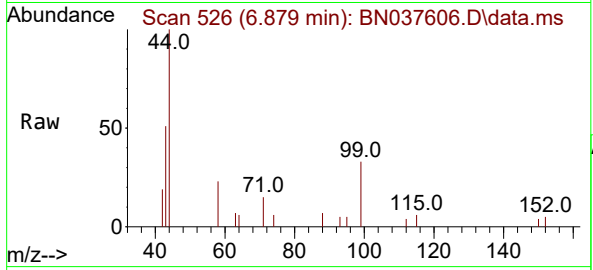
Tgt Ion:112 Resp: 713
Ion Ratio Lower Upper
112 100
64 54.3 44.9 67.3
63 29.5 23.4 35.2





#5
Phenol-d6
Concen: 0.090 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

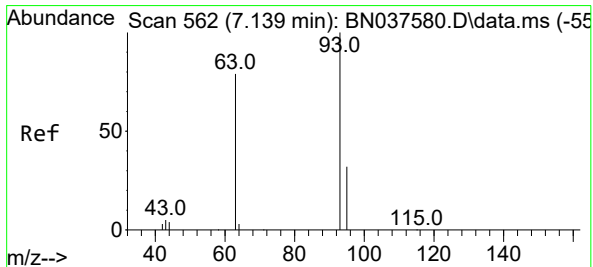
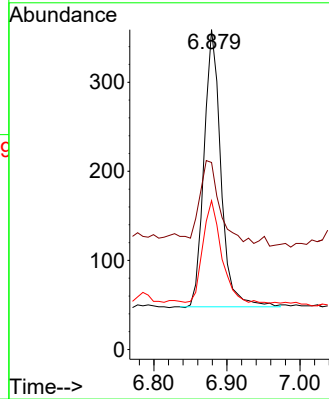
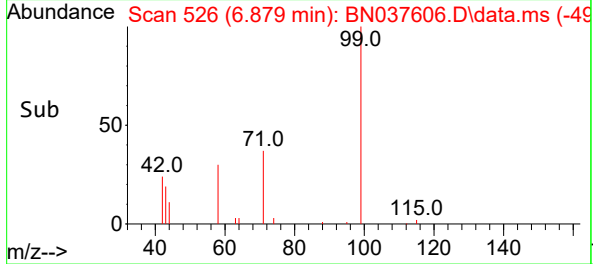
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion: 99 Resp: 499
Ion Ratio Lower Upper
99 100
42 35.1 18.5 27.7
71 41.1 28.6 42.8

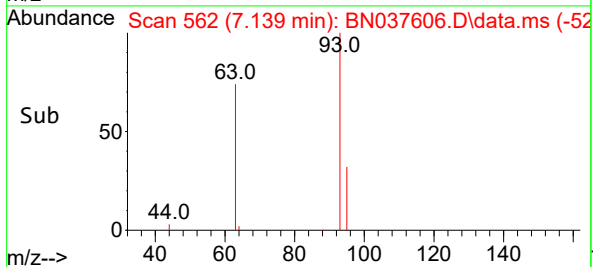
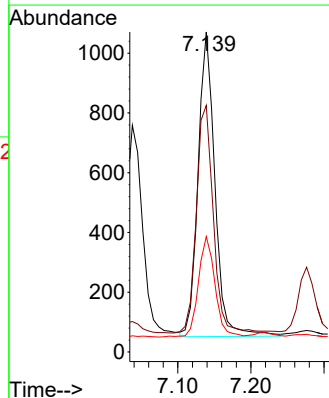
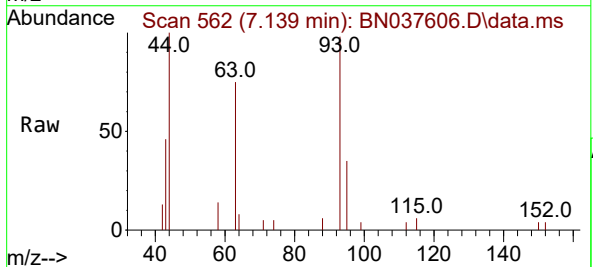
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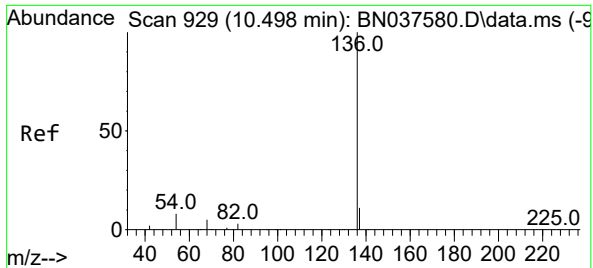
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.329 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

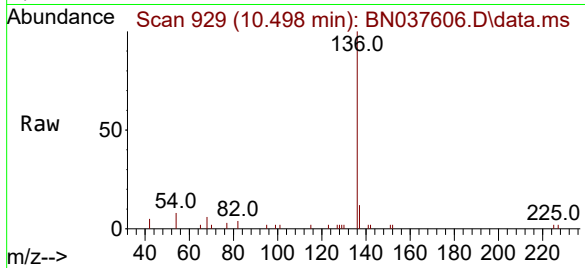
Tgt Ion: 93 Resp: 1634
Ion Ratio Lower Upper
93 100
63 75.2 58.0 87.0
95 32.4 24.9 37.3





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

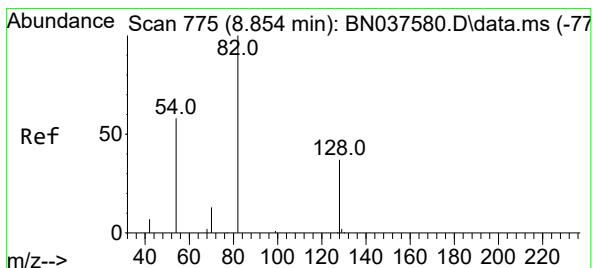
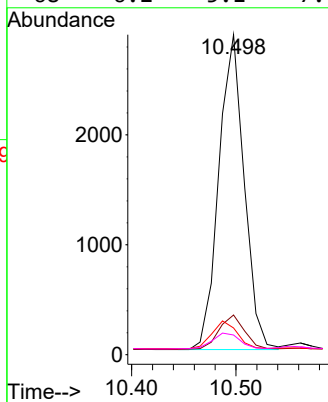
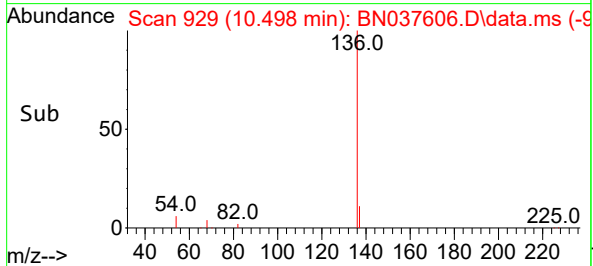
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:136 Resp: 4839
Ion Ratio Lower Upper
136 100
137 12.4 9.5 14.3
54 8.4 7.3 10.9
68 6.2 5.1 7.7

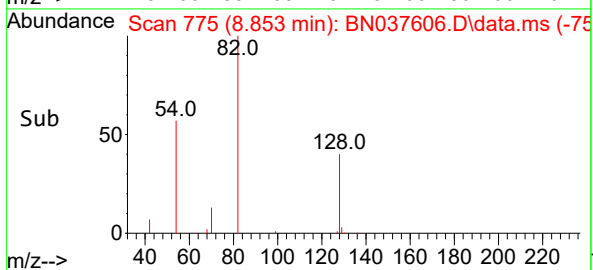
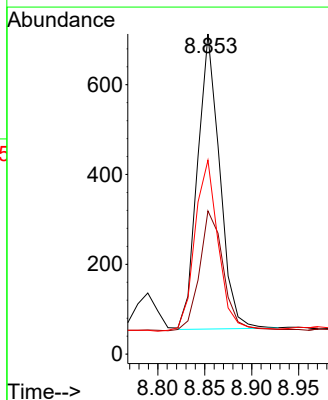
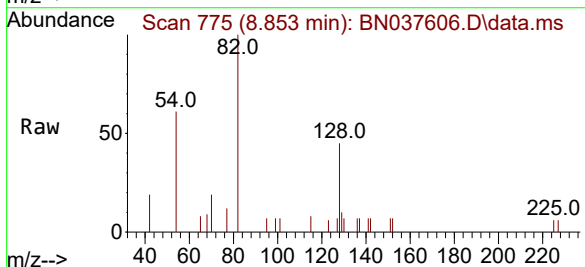
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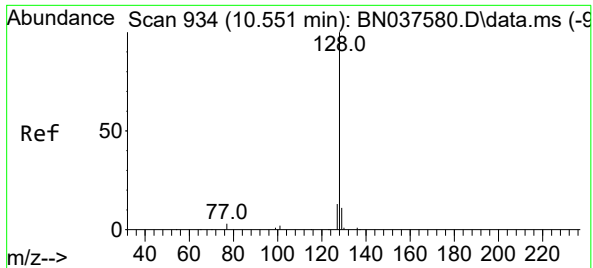
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#8
Nitrobenzene-d5
Concen: 0.317 ng
RT: 8.853 min Scan# 775
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

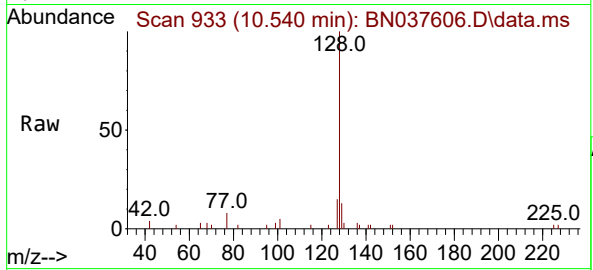
Tgt Ion: 82 Resp: 1080
Ion Ratio Lower Upper
82 100
128 44.7 32.6 48.8
54 60.6 48.9 73.3





#9
Naphthalene
Concen: 0.333 ng
RT: 10.540 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

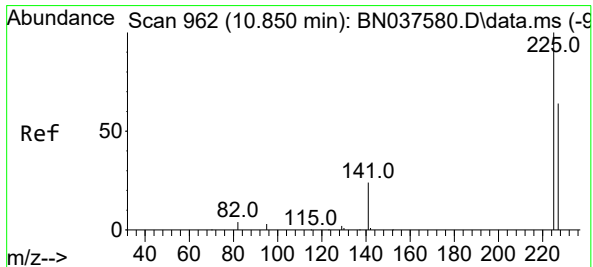
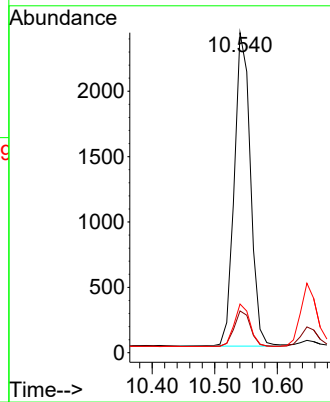
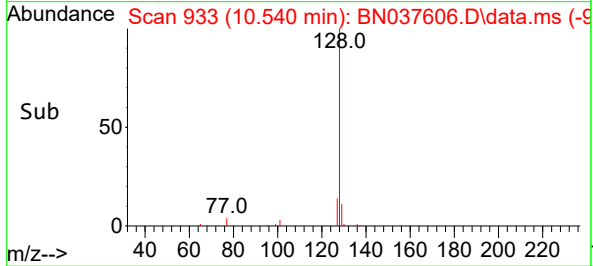
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:128 Resp: 4289
Ion Ratio Lower Upper
128 100
129 13.1 9.8 14.6
127 15.2 11.5 17.3

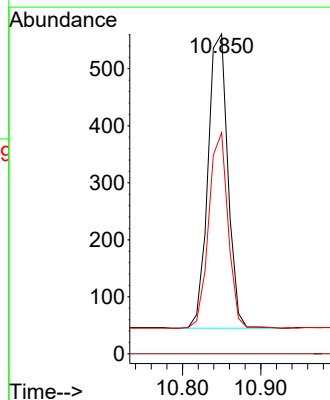
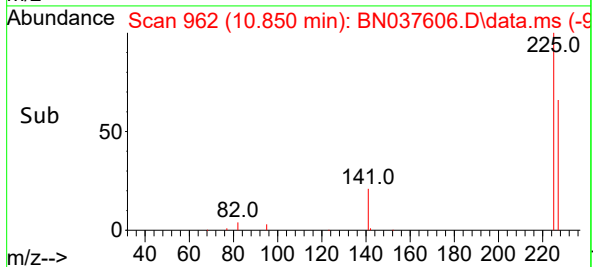
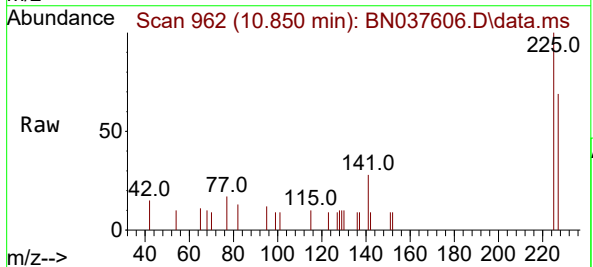
Manual Integrations
APPROVED

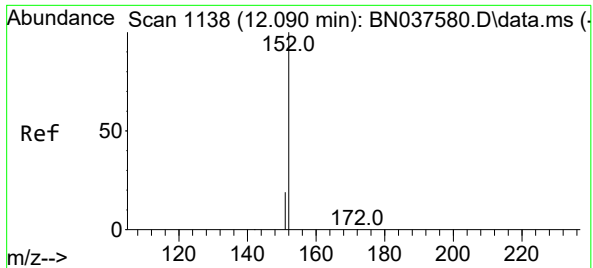
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#10
Hexachlorobutadiene
Concen: 0.289 ng
RT: 10.850 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

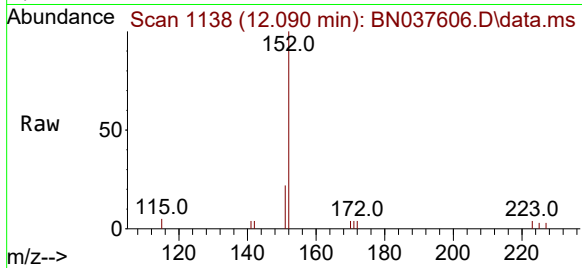
Tgt Ion:225 Resp: 911
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.4 50.8 76.2





#11
2-Methylnaphthalene-d10
Concen: 0.303 ng m
RT: 12.090 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

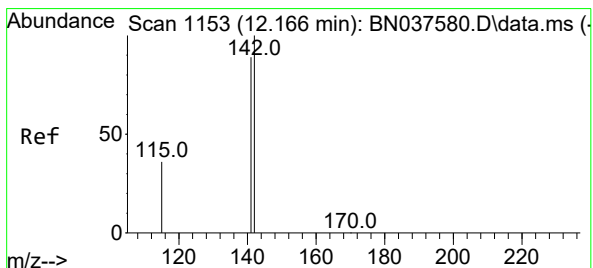
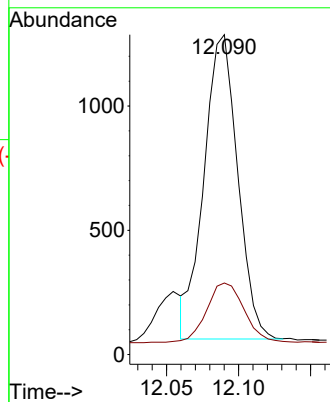
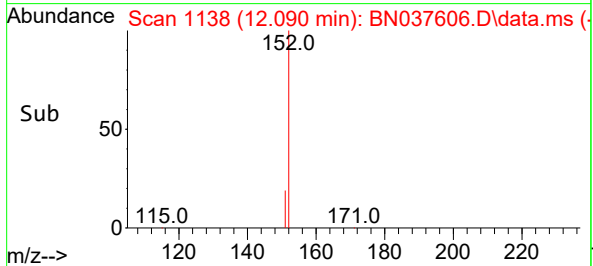
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:152 Resp: 199
Ion Ratio Lower Upper
152 100
151 22.1 17.3 25.9

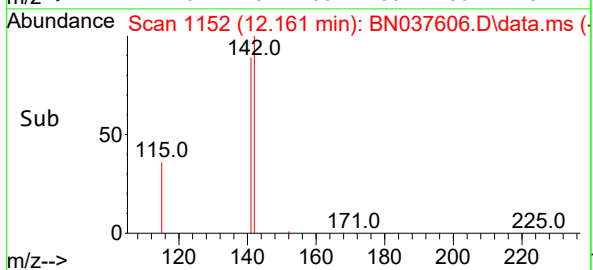
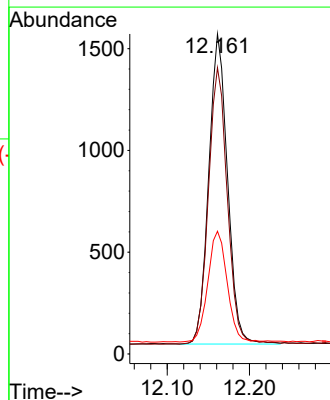
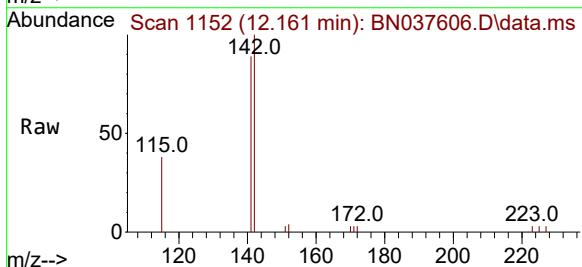
Manual Integrations
APPROVED

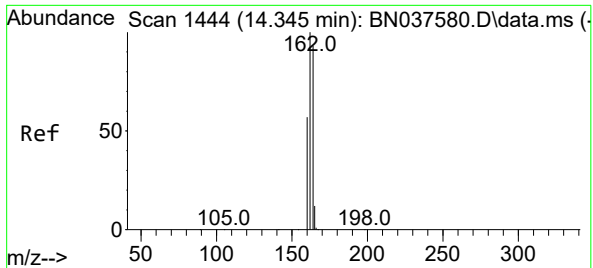
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#12
2-Methylnaphthalene
Concen: 0.298 ng
RT: 12.161 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

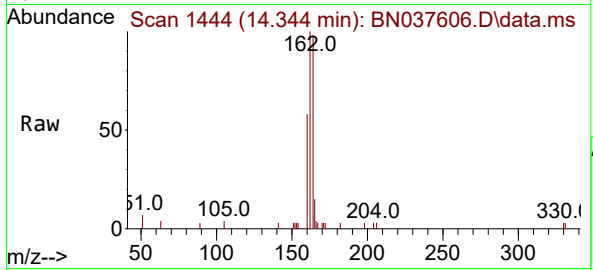
Tgt Ion:142 Resp: 2410
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.0
115 38.4 30.2 45.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.344 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

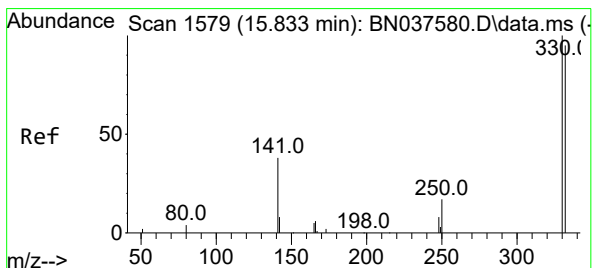
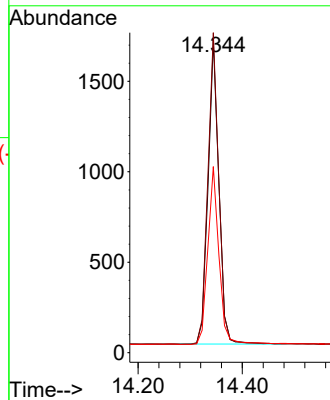
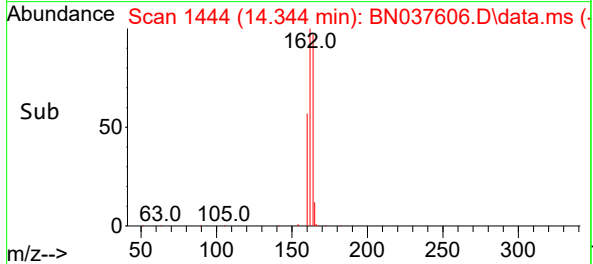
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:164 Resp: 2400
Ion Ratio Lower Upper
164 100
162 102.4 85.5 128.3
160 59.6 49.5 74.3

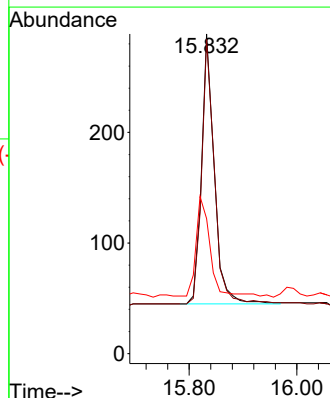
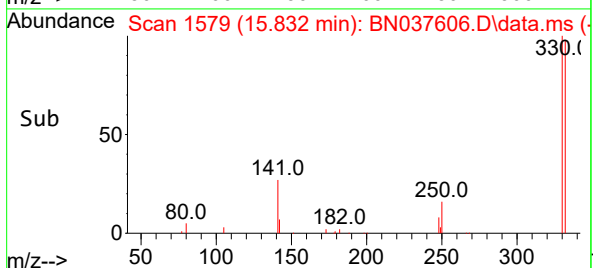
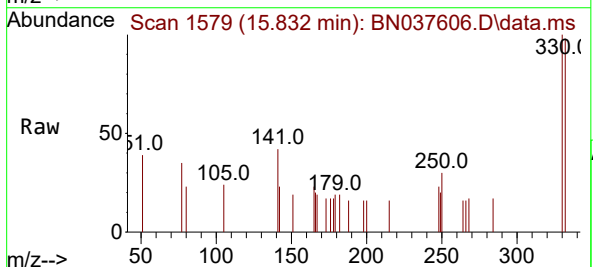
Manual Integrations
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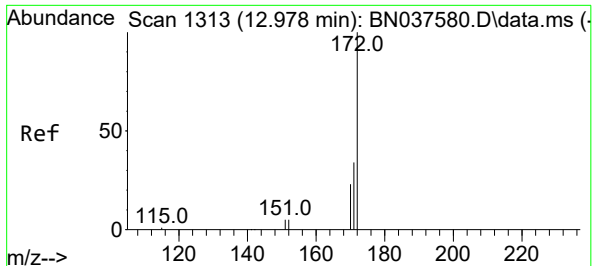
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#14
2,4,6-Tribromophenol
Concen: 0.381 ng
RT: 15.832 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

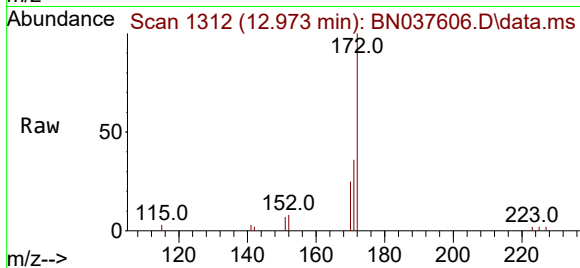
Tgt Ion:330 Resp: 401
Ion Ratio Lower Upper
330 100
332 98.3 77.4 116.0
141 42.6 30.9 46.3





#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.973 min Scan# 1313
Delta R.T. -0.005 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

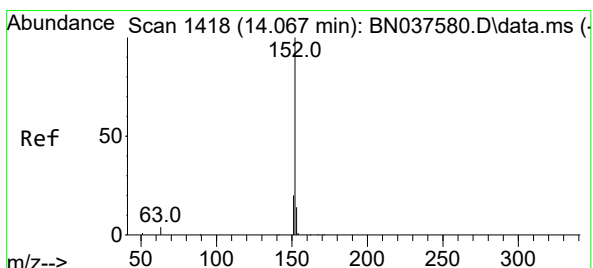
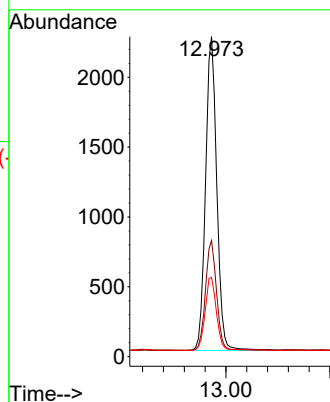
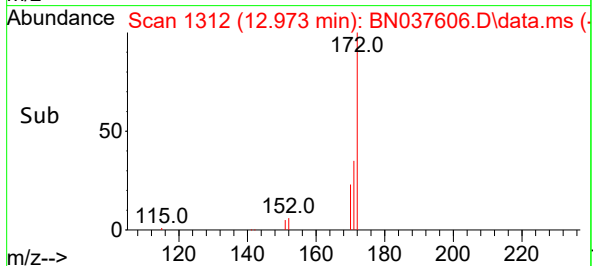
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:172 Resp: 4509
Ion Ratio Lower Upper
172 100
171 36.3 28.2 42.4
170 24.7 19.2 28.8

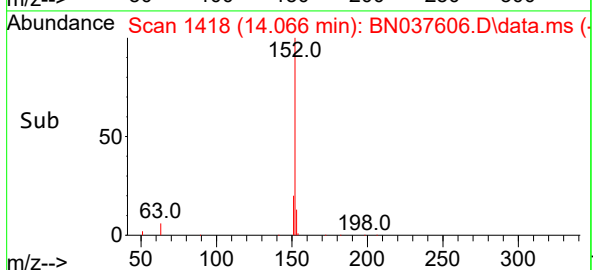
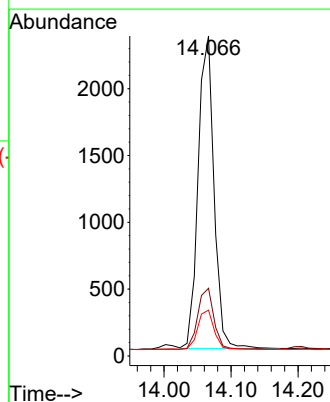
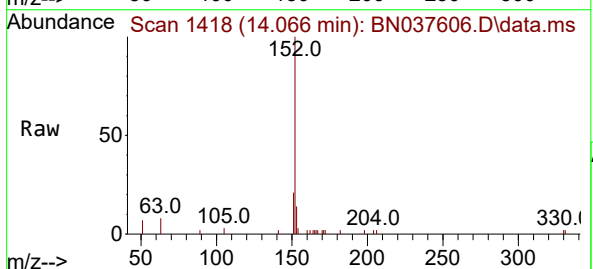
Manual Integrations
APPROVED

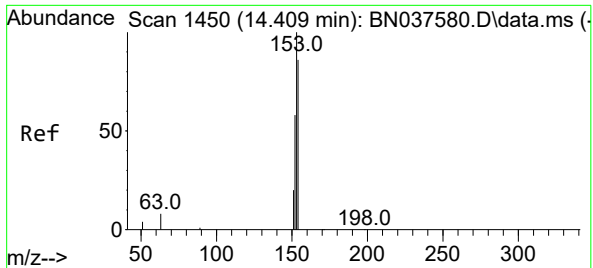
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#16
Acenaphthylene
Concen: 0.357 ng
RT: 14.066 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

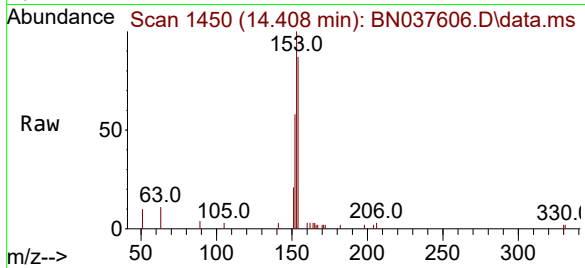
Tgt Ion:152 Resp: 3852
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.3 10.7 16.1





#17
Acenaphthene
Concen: 0.336 ng
RT: 14.408 min Scan# 1450
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

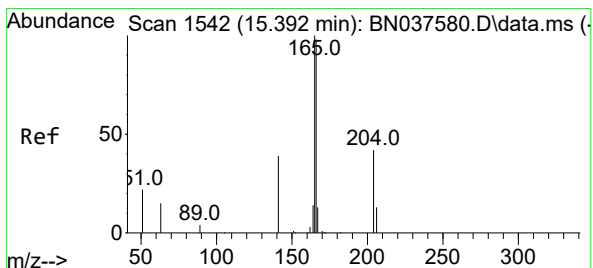
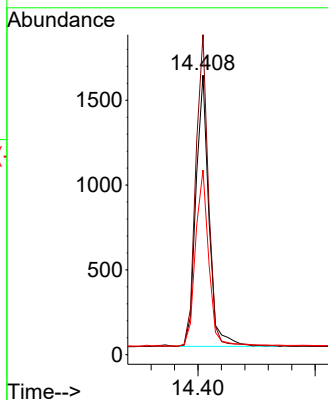
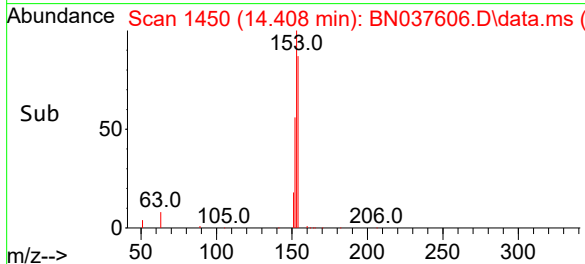
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:154 Resp: 2460
Ion Ratio Lower Upper
154 100
153 111.9 90.6 135.8
152 66.6 54.9 82.3

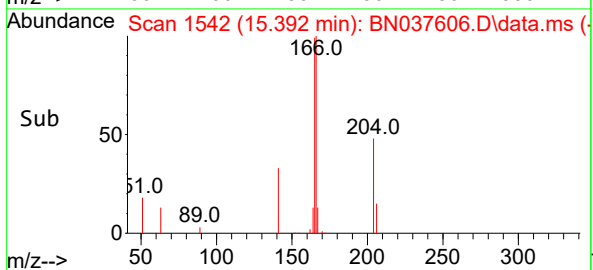
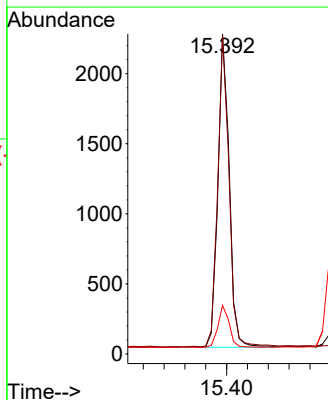
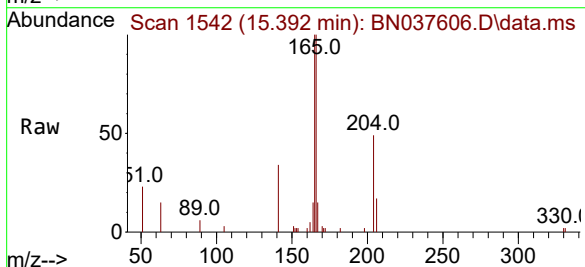
Manual Integrations
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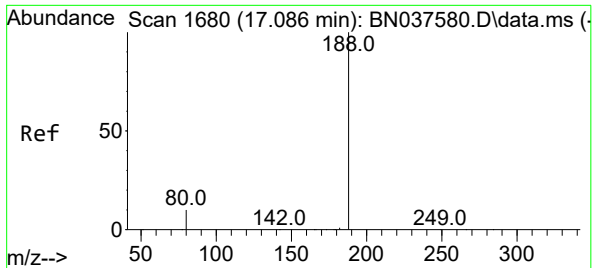
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#18
Fluorene
Concen: 0.350 ng
RT: 15.392 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

Tgt Ion:166 Resp: 3360
Ion Ratio Lower Upper
166 100
165 99.8 78.9 118.3
167 13.5 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD

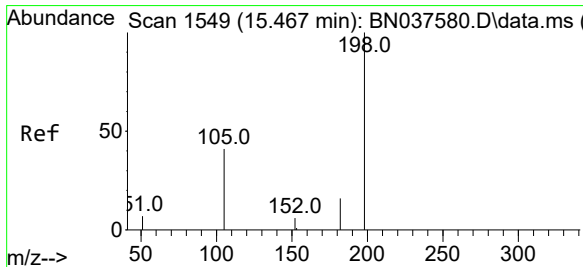
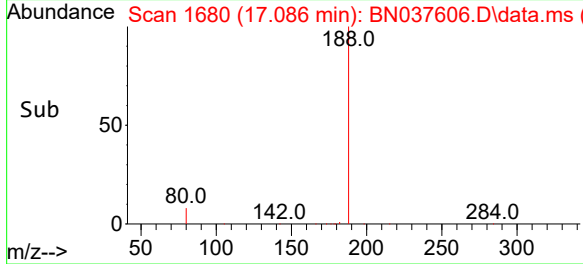
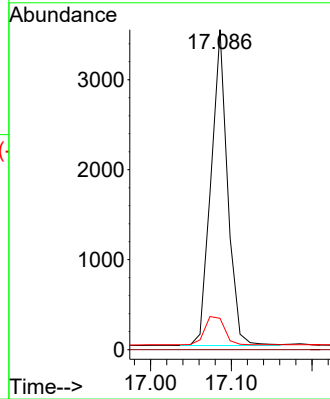
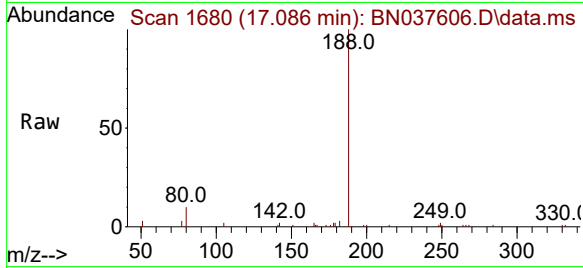
Tgt Ion:	188	Resp:	500
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.8	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.441 ng

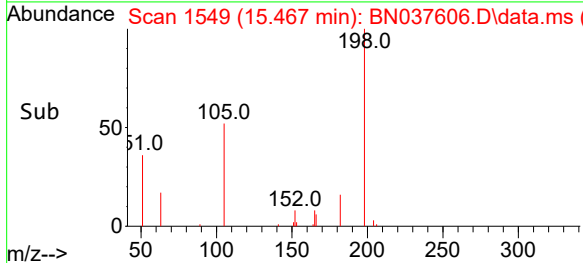
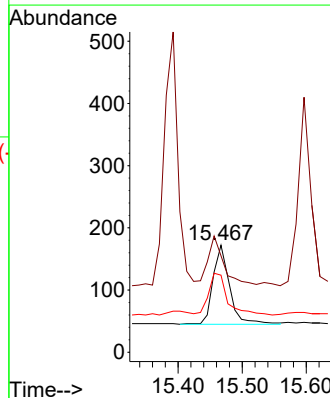
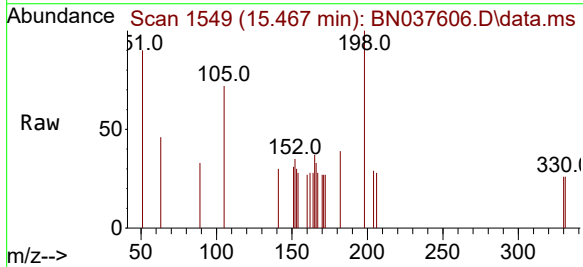
RT: 15.467 min Scan# 1549

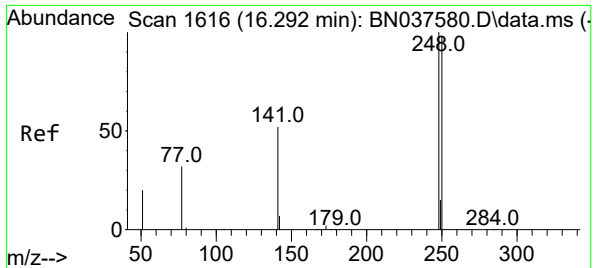
Delta R.T. -0.000 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

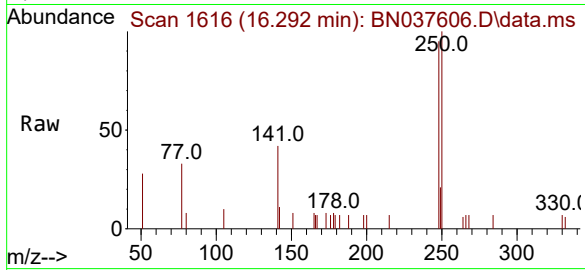
Tgt Ion:	198	Resp:	237
Ion Ratio	Lower	Upper	
198	100		
51	90.1	81.0	121.6
105	72.1	52.5	78.7





#21
4-Bromophenyl-phenylether
Concen: 0.353 ng
RT: 16.292 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

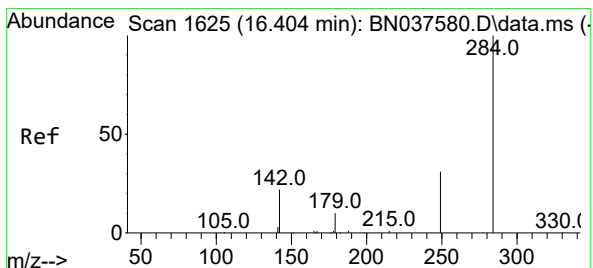
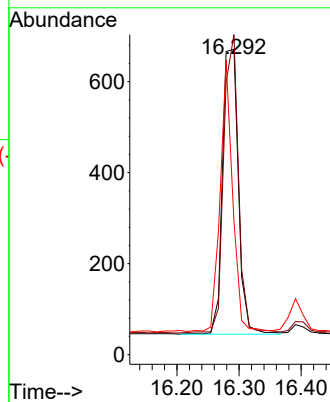
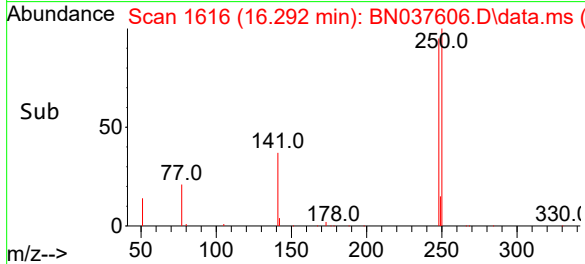
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:248 Resp: 111
Ion Ratio Lower Upper
248 100
250 104.8 78.6 118.0
141 43.7 43.7 65.5

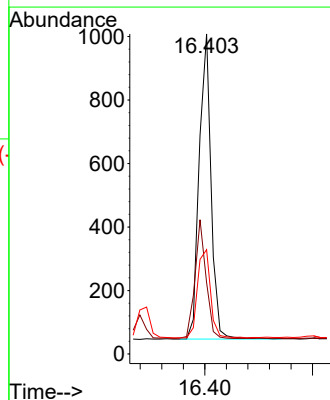
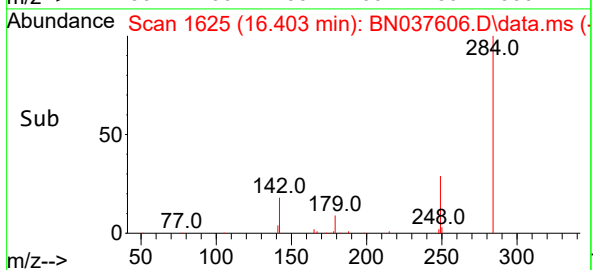
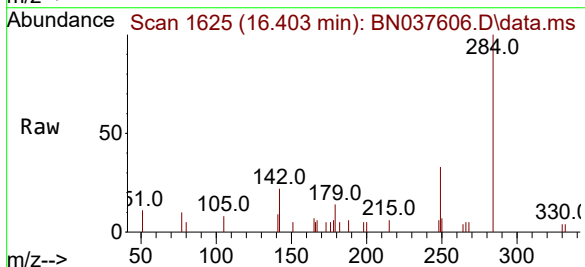
Manual Integrations
APPROVED

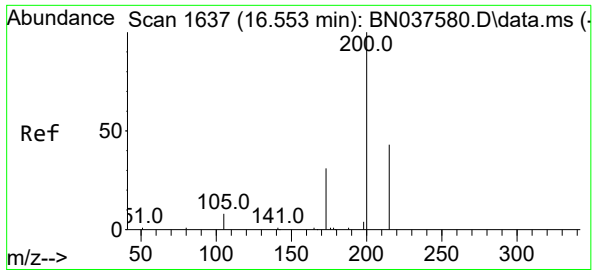
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#22
Hexachlorobenzene
Concen: 0.331 ng
RT: 16.403 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

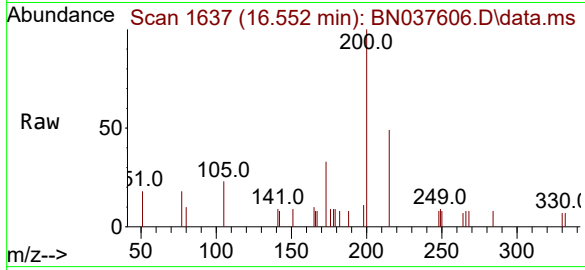
Tgt Ion:284 Resp: 1477
Ion Ratio Lower Upper
284 100
142 36.2 29.8 44.6
249 31.6 26.0 39.0





#23
Atrazine
Concen: 0.449 ng
RT: 16.552 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

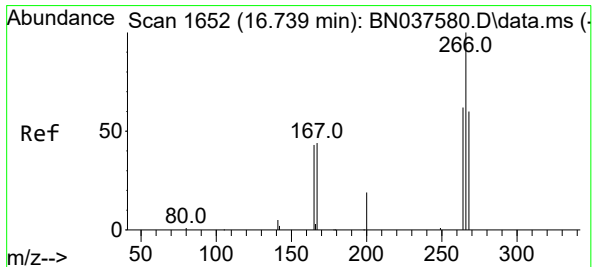
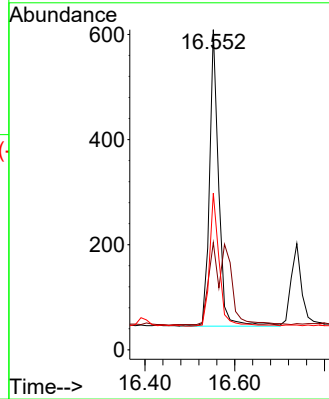
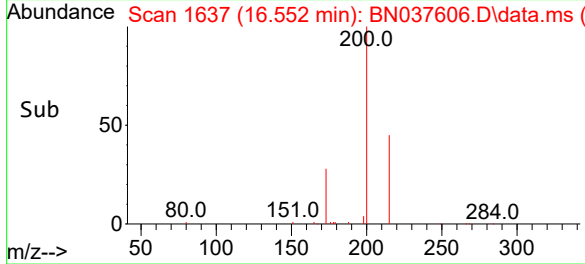
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:200 Resp: 799
Ion Ratio Lower Upper
200 100
173 33.5 31.0 46.4
215 48.9 39.4 59.0

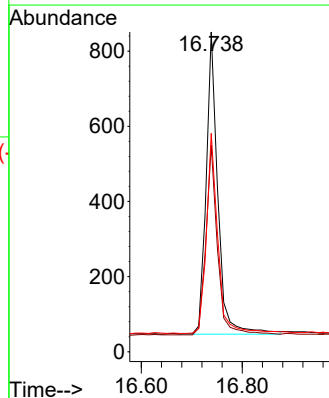
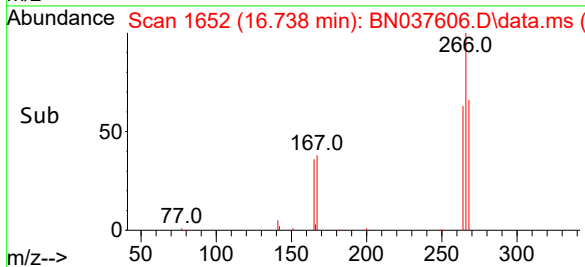
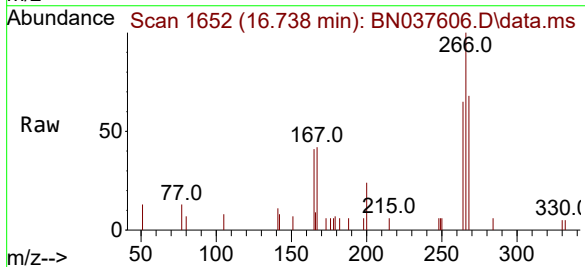
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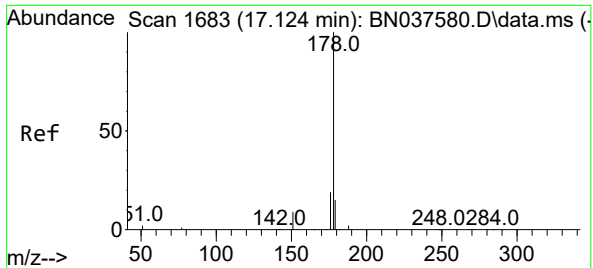
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#24
Pentachlorophenol
Concen: 0.826 ng
RT: 16.738 min Scan# 1652
Delta R.T. -0.001 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

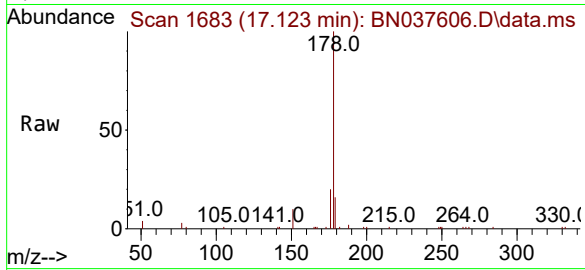
Tgt Ion:266 Resp: 1294
Ion Ratio Lower Upper
266 100
264 62.4 49.6 74.4
268 65.3 49.2 73.8





#25
Phenanthrene
Concen: 0.443 ng
RT: 17.123 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

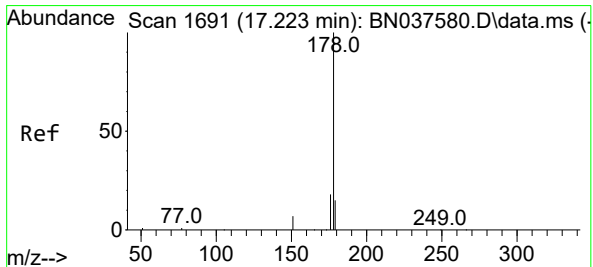
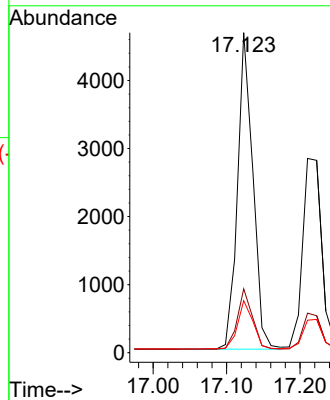
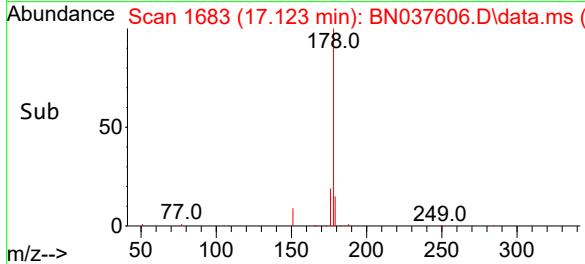
Instrument : BNA_N
ClientSampleId : MW-17B-55.5-08122025MSD



Tgt Ion:178 Resp: 6750
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.6 12.3 18.5

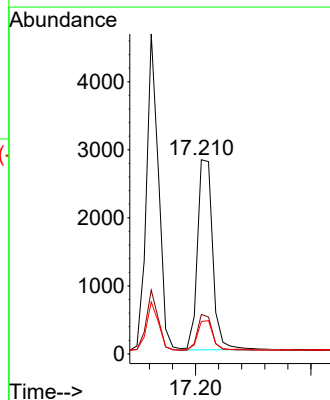
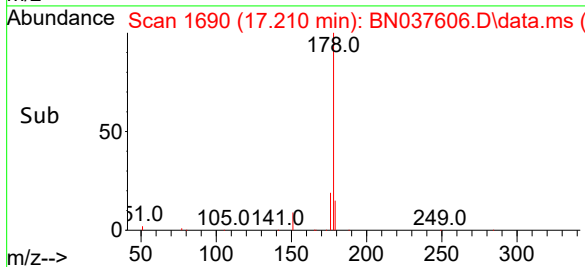
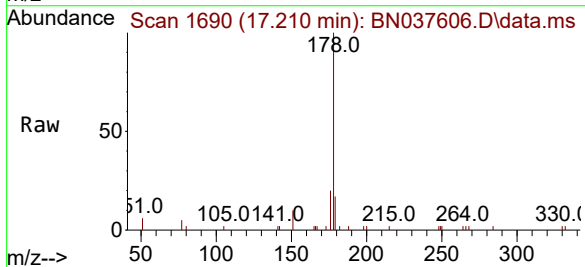
Manual Integrations
APPROVED

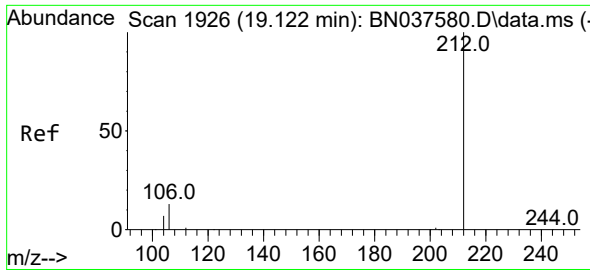
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#26
Anthracene
Concen: 0.381 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

Tgt Ion:178 Resp: 5136
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.8 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.371 ng

RT: 19.117 min Scan# 1925

Delta R.T. -0.005 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD

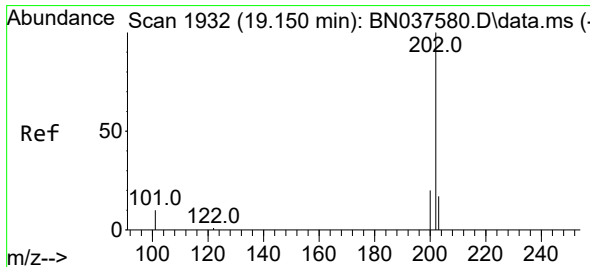
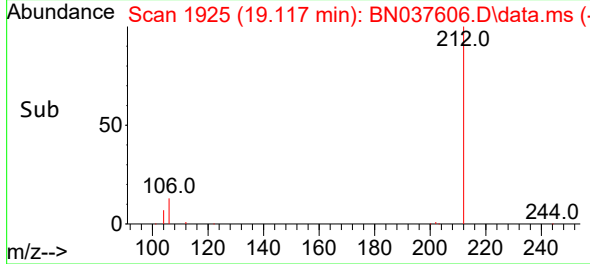
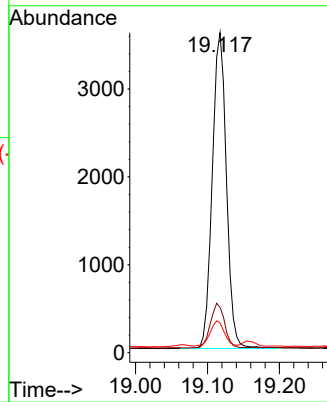
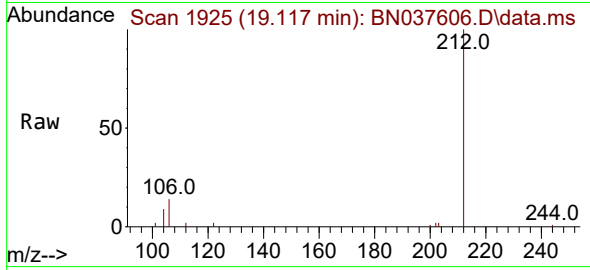
Tgt Ion:	212	Resp:	4894
Ion Ratio	Lower	Upper	
212	100		
106	14.0	11.5	17.3
104	8.3	6.6	9.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

Fluoranthene

Concen: 0.418 ng

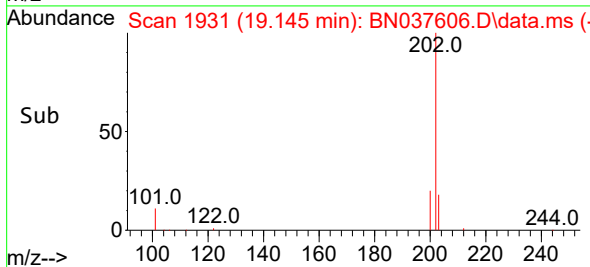
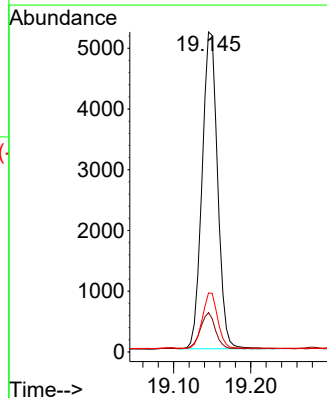
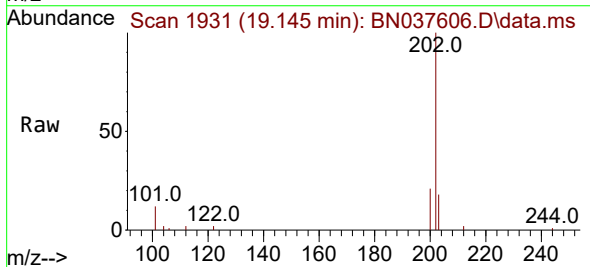
RT: 19.145 min Scan# 1931

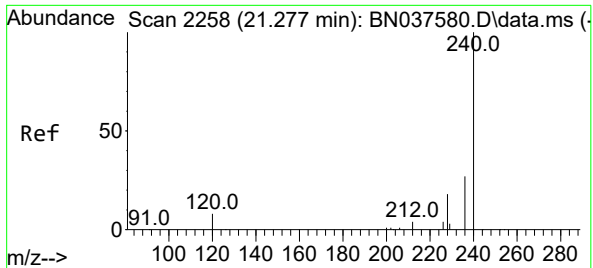
Delta R.T. -0.005 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

Tgt Ion:	202	Resp:	7312
Ion Ratio	Lower	Upper	
202	100		
101	11.1	9.0	13.6
203	17.2	13.8	20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.267 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037606.D

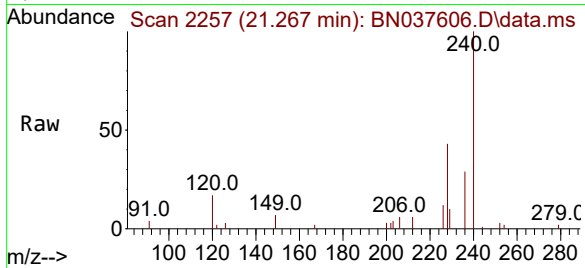
Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD



Tgt Ion:240 Resp: 456

Ion Ratio Lower Upper

240 100

120 17.2 8.9 13.3

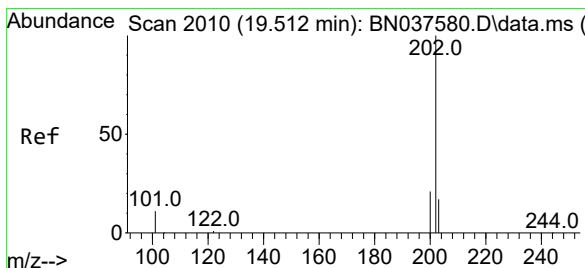
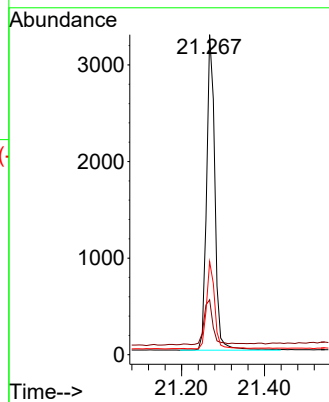
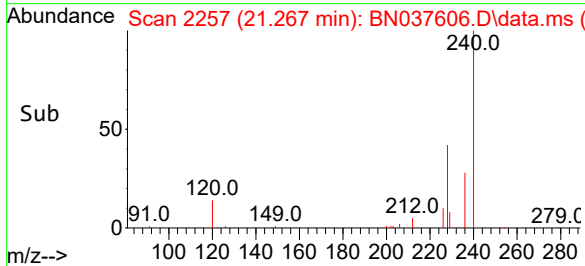
236 29.1 22.6 33.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#30

Pyrene

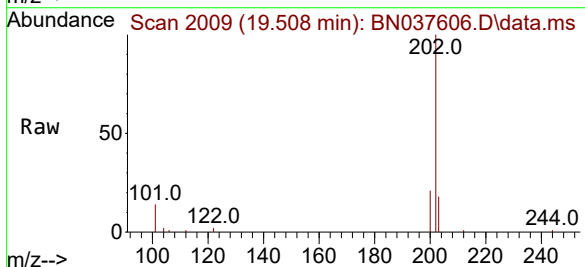
Concen: 0.415 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.005 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17



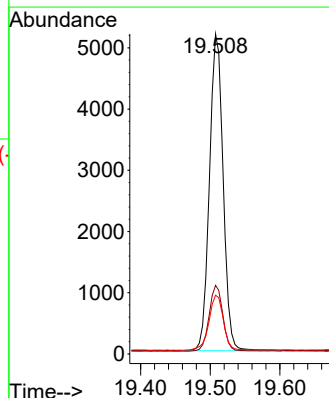
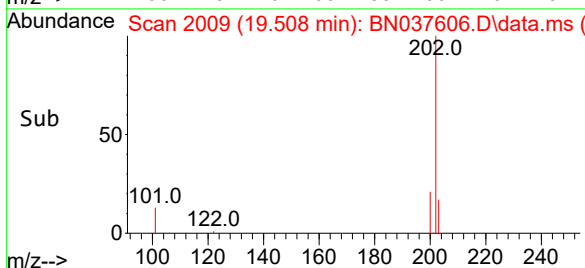
Tgt Ion:202 Resp: 7072

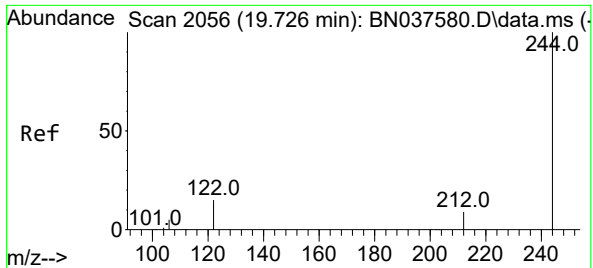
Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

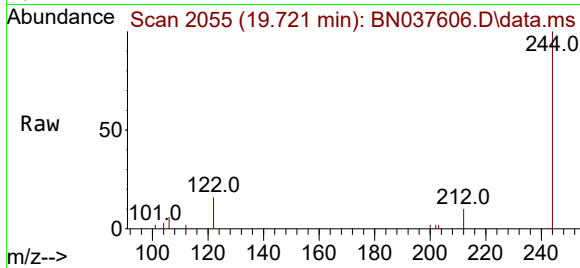
203 18.3 14.3 21.5





#31
Terphenyl-d14
Concen: 0.468 ng
RT: 19.721 min Scan# 2056
Delta R.T. -0.005 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

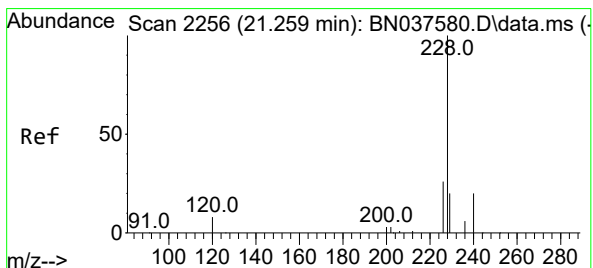
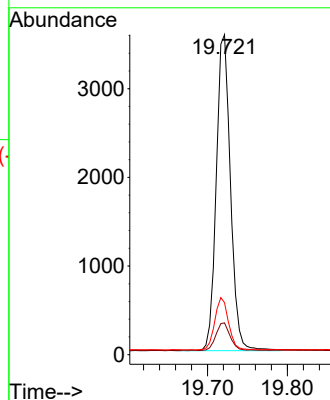
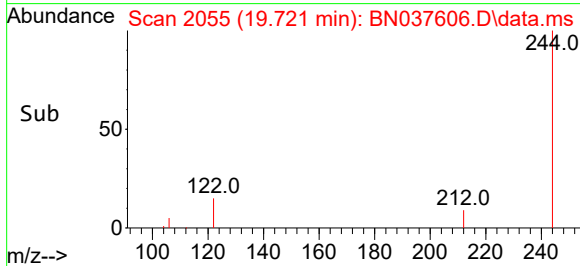
Instrument : BNA_N
ClientSampleId : MW-17B-55.5-08122025MSD



Tgt Ion:244 Resp: 439
Ion Ratio Lower Upper
244 100
212 10.0 8.2 12.2
122 16.2 13.2 19.8

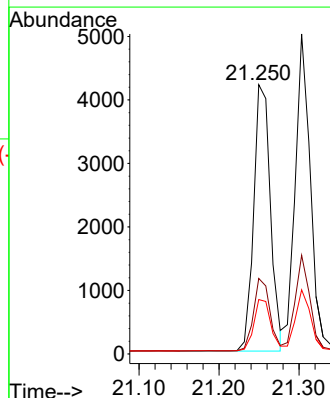
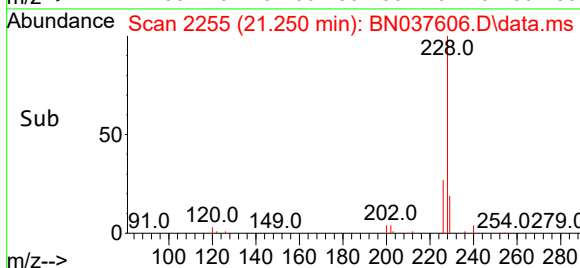
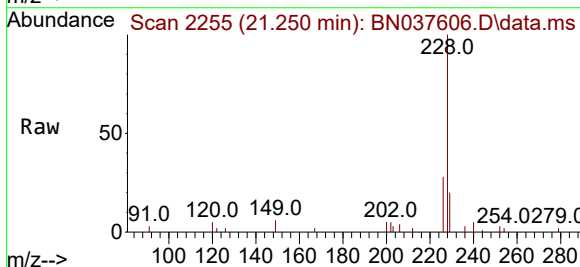
Manual Integrations
APPROVED

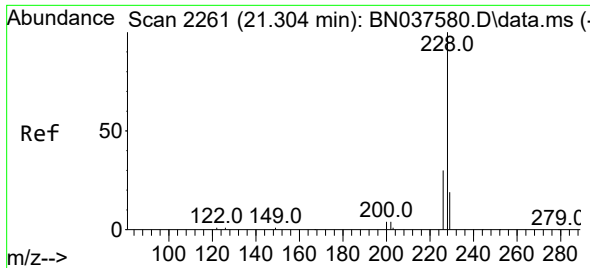
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

Tgt Ion:228 Resp: 6132
Ion Ratio Lower Upper
228 100
226 28.0 21.5 32.3
229 20.2 16.5 24.7





#33

Chrysene

Concen: 0.394 ng

RT: 21.303 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037606.D

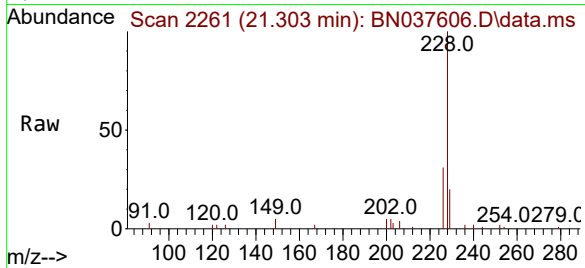
Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD



Tgt Ion:228 Resp: 6692

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

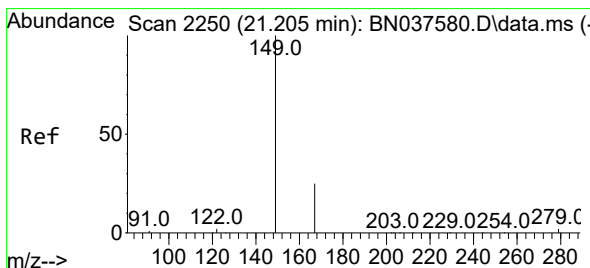
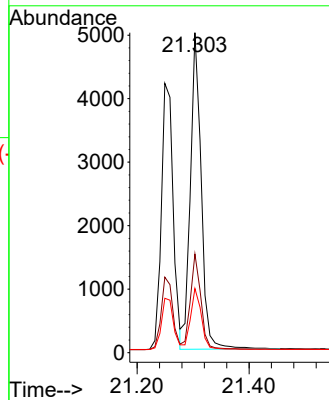
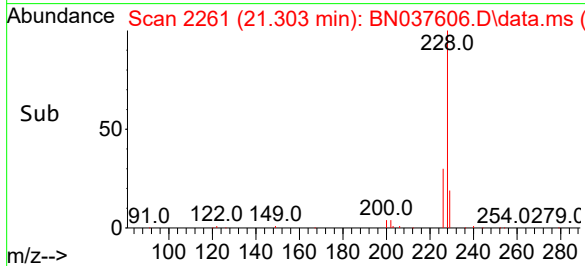
229 20.1 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.558 ng

RT: 21.205 min Scan# 2250

Delta R.T. -0.000 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

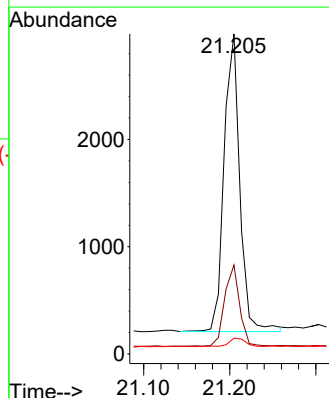
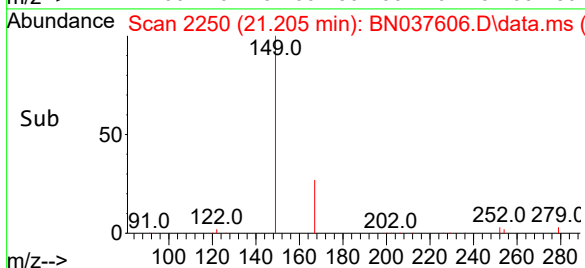
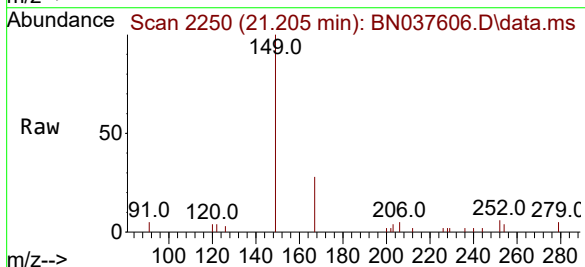
Tgt Ion:149 Resp: 3509

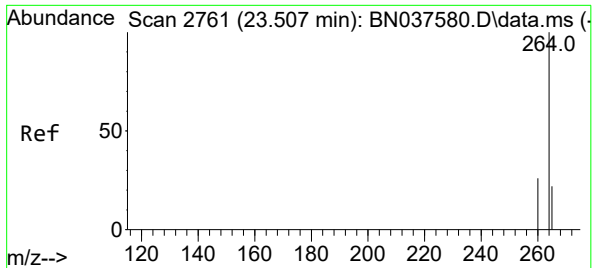
Ion Ratio Lower Upper

149 100

167 25.9 20.5 30.7

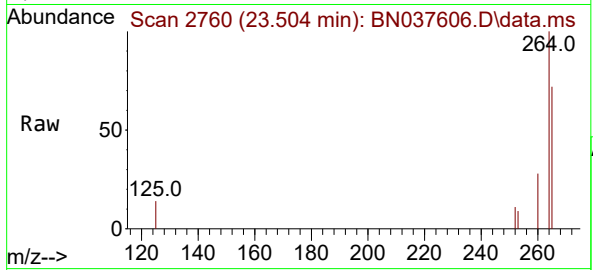
279 3.1 2.6 4.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.504 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

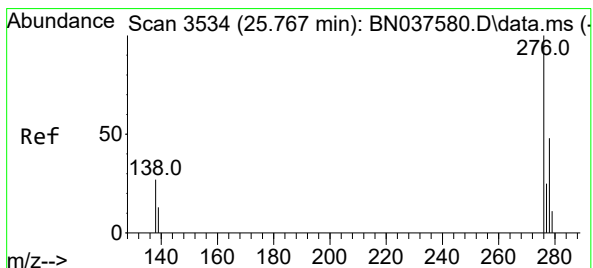
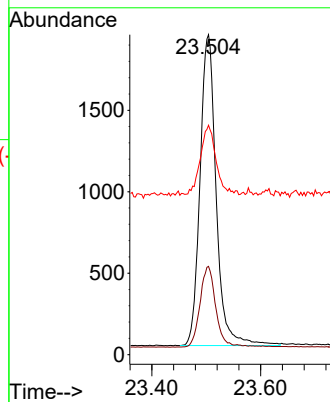
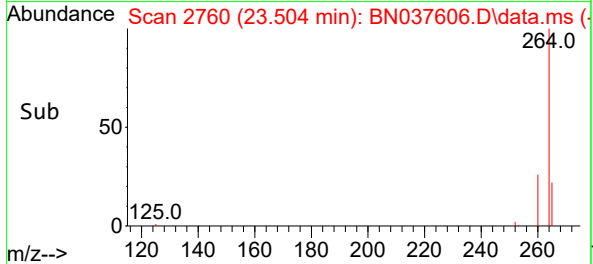
Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD



Tgt Ion:264 Resp: 393
Ion Ratio Lower Upper
264 100
260 27.6 21.6 32.4
265 71.7 48.2 72.4

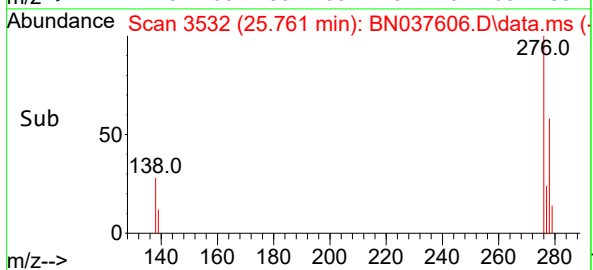
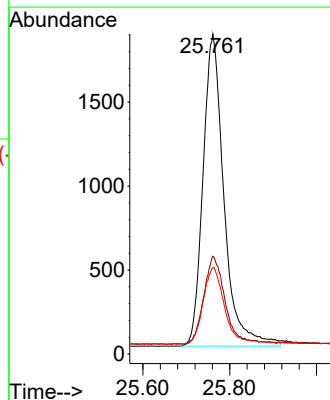
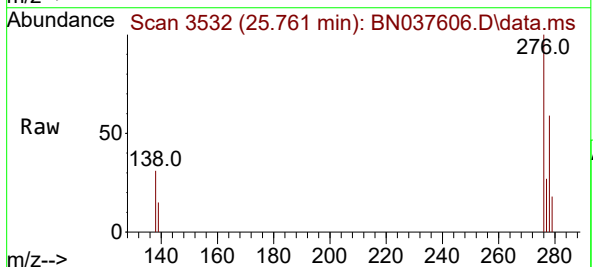
Manual Integrations
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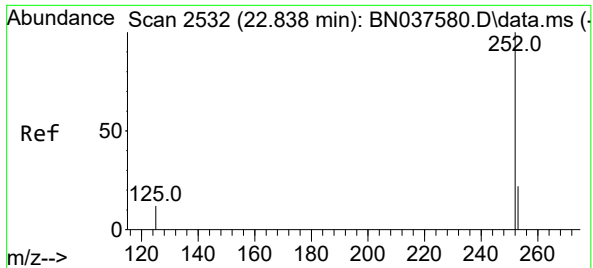
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.761 min Scan# 3532
Delta R.T. -0.006 min
Lab File: BN037606.D
Acq: 19 Aug 2025 14:17

Tgt Ion:276 Resp: 6228
Ion Ratio Lower Upper
276 100
138 28.3 23.3 34.9
277 25.2 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.420 ng

RT: 22.832 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD

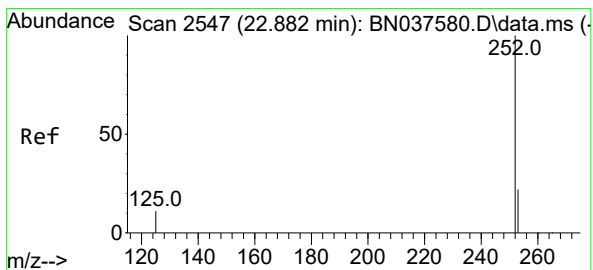
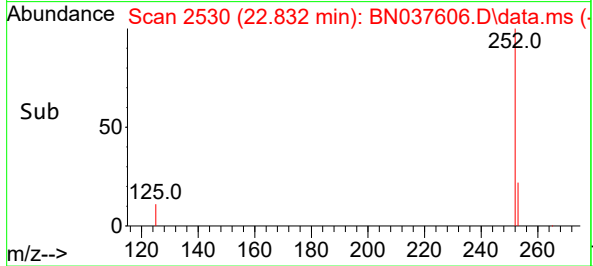
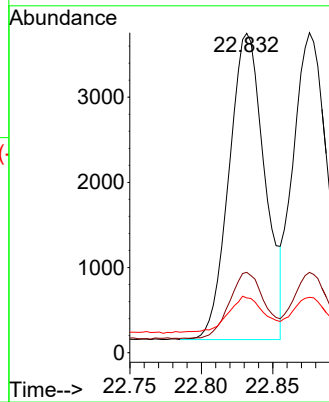
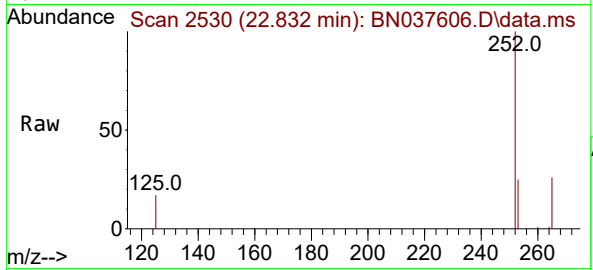
Tgt Ion:252	Resp:	626
Ion Ratio	Lower	Upper
252	100	
253	25.2	20.0 30.0
125	17.1	13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#38

Benzo(k)fluoranthene

Concen: 0.373 ng

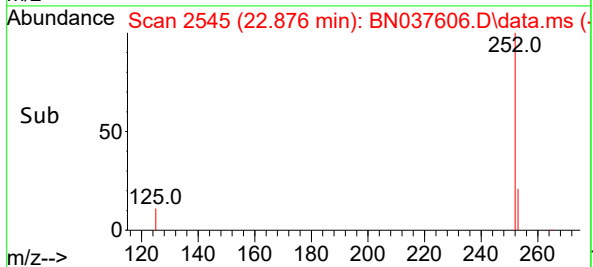
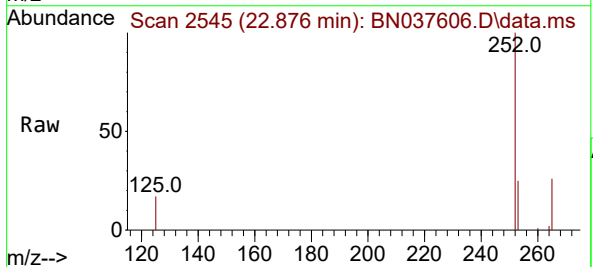
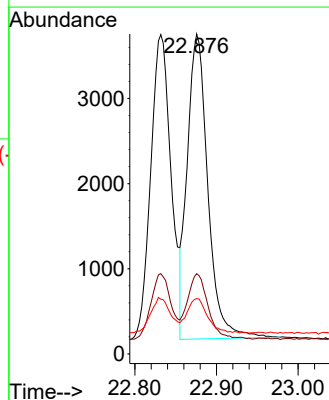
RT: 22.876 min Scan# 2545

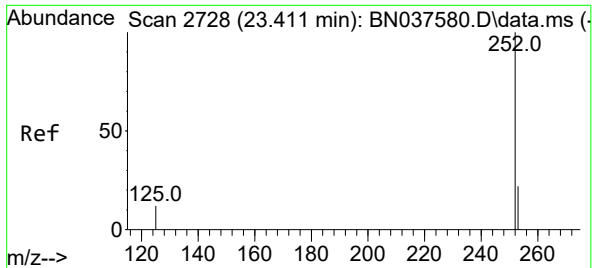
Delta R.T. -0.006 min

Lab File: BN037606.D

Acq: 19 Aug 2025 14:17

Tgt Ion:252	Resp:	6279
Ion Ratio	Lower	Upper
252	100	
253	25.1	19.9 29.9
125	17.3	15.0 22.6





#39

Benzo(a)pyrene

Concen: 0.415 ng

RT: 23.405 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037606.D

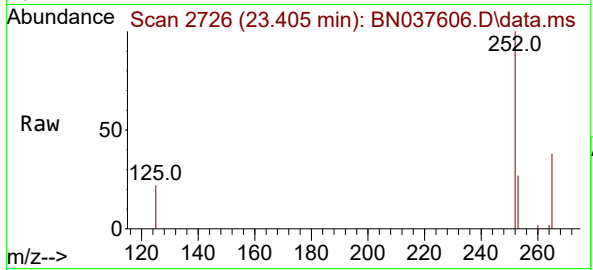
Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD



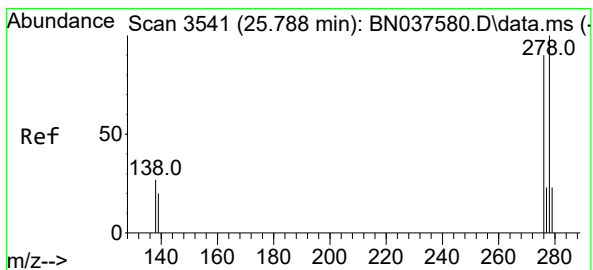
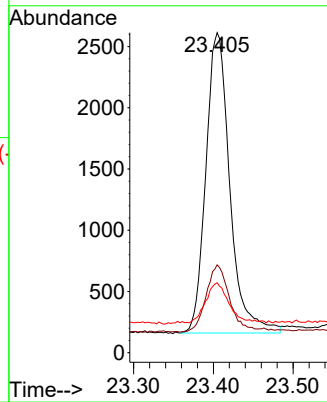
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	21.6	32.4
125	21.9	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#40

Dibenzo(a,h)anthracene

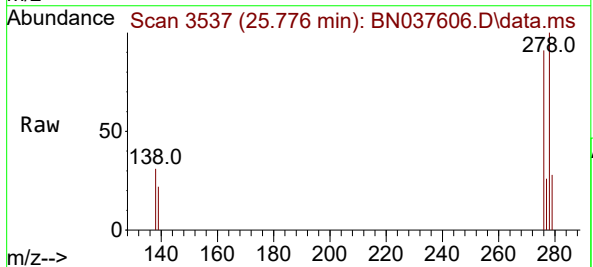
Concen: 0.369 ng

RT: 25.776 min Scan# 3537

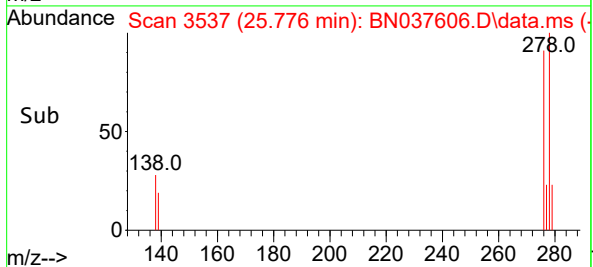
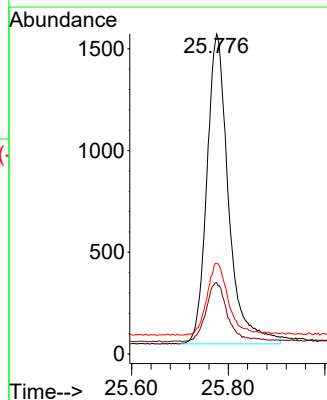
Delta R.T. -0.012 min

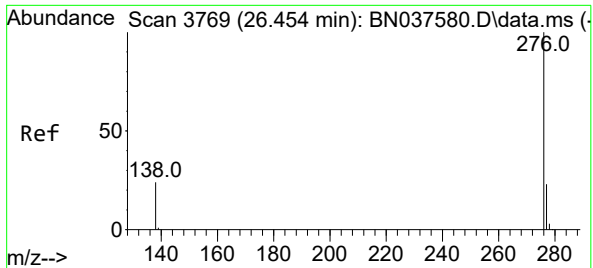
Lab File: BN037606.D

Acq: 19 Aug 2025 14:17



Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	18.3	27.5
279	28.2	22.5	33.7





#41

Benzo(g,h,i)perylene

Concen: 0.401 ng

RT: 26.445 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN037606.D

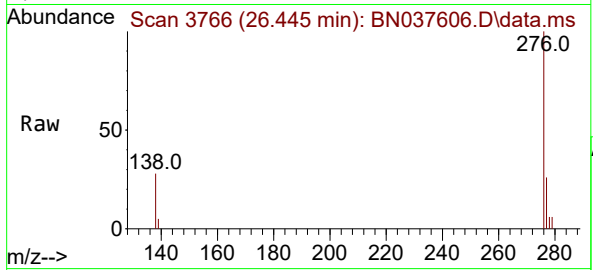
Acq: 19 Aug 2025 14:17

Instrument :

BNA_N

ClientSampleId :

MW-17B-55.5-08122025MSD



Tgt Ion:276 Resp: 543

Ion Ratio Lower Upper

276 100

277 26.2 21.0 31.4

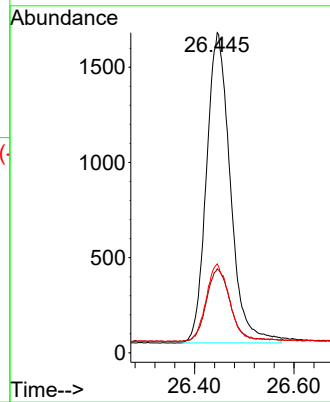
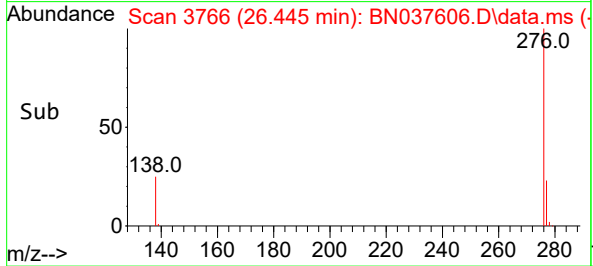
138 27.8 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025





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

Manual Integration Report

Sequence:

BN081225

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	bn081925	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2842-04MS	BN037605.D	2-Methylnaphthalene-d1 0	Rahul	8/20/2025 8:37:55 AM	Jagrut	8/20/2025 2:31:08 PM	Peak Integrated by Software
Q2842-05MSD	BN037606.D	2-Methylnaphthalene-d1 0	Rahul	8/20/2025 8:37:59 AM	Jagrut	8/20/2025 2:31:11 PM	Peak Integrated by Software
Q2869-01	BN037608.D	Chrysene	Rahul	8/20/2025 8:38:02 AM	Jagrut	8/20/2025 2:31:13 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN081225

Review By	Rahul	Review On	8/13/2025 11:25:23 AM
Supervise By	Jagrut	Supervise On	8/13/2025 11:26:50 AM
SubDirectory	BN081225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848		
CCC	SP6846		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6854		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037576.D	12 Aug 2025 15:05	RC/JU	Ok
2	SSTDCCC0.4	BN037577.D	12 Aug 2025 15:49	RC/JU	Not Ok
3	SSTDICC0.1	BN037578.D	12 Aug 2025 16:26	RC/JU	Ok
4	SSTDICC0.2	BN037579.D	12 Aug 2025 17:03	RC/JU	Ok
5	SSTDICCC0.4	BN037580.D	12 Aug 2025 17:39	RC/JU	Ok
6	SSTDICC0.8	BN037581.D	12 Aug 2025 18:16	RC/JU	Ok
7	SSTDICC1.6	BN037582.D	12 Aug 2025 18:52	RC/JU	Ok
8	SSTDICC3.2	BN037583.D	12 Aug 2025 19:29	RC/JU	Ok
9	SSTDICC5.0	BN037584.D	12 Aug 2025 20:05	RC/JU	Ok
10	SSTDICV0.4	BN037585.D	12 Aug 2025 20:42	RC/JU	Ok
11	PB169094BL	BN037586.D	12 Aug 2025 21:55	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848		
CCC	SP6846		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6854		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037599.D	19 Aug 2025 10:00	RC/JU	Ok
2	SSTDCCC0.4	BN037600.D	19 Aug 2025 10:39	RC/JU	Ok
3	PB169286BL	BN037601.D	19 Aug 2025 11:16	RC/JU	Not Ok
4	Q2842-01	BN037602.D	19 Aug 2025 11:52	RC/JU	Dilution
5	Q2842-02	BN037603.D	19 Aug 2025 12:28	RC/JU	Dilution
6	Q2842-03	BN037604.D	19 Aug 2025 13:04	RC/JU	Ok
7	Q2842-04MS	BN037605.D	19 Aug 2025 13:40	RC/JU	Ok,M
8	Q2842-05MSD	BN037606.D	19 Aug 2025 14:17	RC/JU	Ok,M
9	Q2842-06	BN037607.D	19 Aug 2025 14:53	RC/JU	Ok
10	Q2869-01	BN037608.D	19 Aug 2025 15:29	RC/JU	Dilution
11	Q2869-03	BN037609.D	19 Aug 2025 16:05	RC/JU	Ok
12	Q2869-04	BN037610.D	19 Aug 2025 16:42	RC/JU	Ok
13	Q2869-05	BN037611.D	19 Aug 2025 17:18	RC/JU	Ok
14	Q2869-07	BN037612.D	19 Aug 2025 17:54	RC/JU	Ok
15	Q2869-10	BN037613.D	19 Aug 2025 18:30	RC/JU	Ok
16	Q2878-01	BN037614.D	19 Aug 2025 19:07	RC/JU	Ok
17	Q2878-05	BN037615.D	19 Aug 2025 19:43	RC/JU	Dilution
18	SSTDCCC0.4	BN037616.D	19 Aug 2025 20:19	RC/JU	Ok
19	DFTPP	BN037617.D	20 Aug 2025 03:35	RC/JU	Ok
20	SSTDCCC0.4	BN037618.D	20 Aug 2025 04:14	RC/JU	Ok
21	PB169286BL	BN037619.D	20 Aug 2025 04:50	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn081225
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848		
CCC	SP6846		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6854		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2842-01DL	BN037620.D	20 Aug 2025 05:27	RC/JU	Ok
23	Q2842-02DL	BN037621.D	20 Aug 2025 06:03	RC/JU	Ok
24	Q2869-01DL	BN037622.D	20 Aug 2025 06:38	RC/JU	Ok
25	Q2881-01	BN037623.D	20 Aug 2025 07:13	RC/JU	Ok
26	Q2881-02	BN037624.D	20 Aug 2025 07:49	RC/JU	Ok
27	Q2882-01	BN037625.D	20 Aug 2025 08:25	RC/JU	Ok
28	Q2882-02	BN037626.D	20 Aug 2025 09:00	RC/JU	Ok
29	Q2882-03	BN037627.D	20 Aug 2025 09:37	RC/JU	Ok
30	Q2882-04	BN037628.D	20 Aug 2025 10:13	RC/JU	Ok
31	Q2878-05DL	BN037629.D	20 Aug 2025 10:49	RC/JU	Ok
32	PB169286BS	BN037630.D	20 Aug 2025 11:25	RC/JU	Ok
33	SSTDCCC0.4	BN037631.D	20 Aug 2025 14:56	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN081225

Review By	Rahul	Review On	8/13/2025 11:25:23 AM
Supervise By	Jagrut	Supervise On	8/13/2025 11:26:50 AM
SubDirectory	BN081225	HP Acquire Method	BNA_N, 8270_HP Processing Method bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037576.D	12 Aug 2025 15:05		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037577.D	12 Aug 2025 15:49	A Fresh Calibration is required	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037578.D	12 Aug 2025 16:26		RC/JU	Ok
4	SSTDICC0.2	SSTDICC0.2	BN037579.D	12 Aug 2025 17:03		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037580.D	12 Aug 2025 17:39	Compound #20 kept on LR	RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037581.D	12 Aug 2025 18:16		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037582.D	12 Aug 2025 18:52		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037583.D	12 Aug 2025 19:29		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037584.D	12 Aug 2025 20:05	Comp #20,23,24 removed from 5ppm	RC/JU	Ok
10	SSTDICV0.4	ICVBN081225	BN037585.D	12 Aug 2025 20:42		RC/JU	Ok
11	PB169094BL	PB169094BL	BN037586.D	12 Aug 2025 21:55		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_HP Processing Method bn081225

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6846 SP6830, 1ul/100ul sample SP6854

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037599.D	19 Aug 2025 10:00		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037600.D	19 Aug 2025 10:39		RC/JU	Ok
3	PB169286BL	PB169286BL	BN037601.D	19 Aug 2025 11:16	Not Used	RC/JU	Not Ok
4	Q2842-01	RMW-03B-90.4-081220	BN037602.D	19 Aug 2025 11:52	Need 2X.	RC/JU	Dilution
5	Q2842-02	RMW-02B-66.3-081220	BN037603.D	19 Aug 2025 12:28	Need 10X.	RC/JU	Dilution
6	Q2842-03	MW-17B-55.5-0812202	BN037604.D	19 Aug 2025 13:04		RC/JU	Ok
7	Q2842-04MS	MW-17B-55.5-0812202	BN037605.D	19 Aug 2025 13:40	Recovery fail very high , need noncon.	RC/JU	Ok,M
8	Q2842-05MSD	MW-17B-55.5-0812202	BN037606.D	19 Aug 2025 14:17	Recovery fail very high , need noncon.	RC/JU	Ok,M
9	Q2842-06	MW-06-6.5-08122025	BN037607.D	19 Aug 2025 14:53		RC/JU	Ok
10	Q2869-01	MW-19B-71.5-081325	BN037608.D	19 Aug 2025 15:29	Need 2X.	RC/JU	Dilution
11	Q2869-03	MW-01-6.5-081325	BN037609.D	19 Aug 2025 16:05		RC/JU	Ok
12	Q2869-04	MW-11A-13.5-081325	BN037610.D	19 Aug 2025 16:42		RC/JU	Ok
13	Q2869-05	MW-19B-71.5-081325	BN037611.D	19 Aug 2025 17:18		RC/JU	Ok
14	Q2869-07	EB01-081325	BN037612.D	19 Aug 2025 17:54		RC/JU	Ok
15	Q2869-10	EB02-081325	BN037613.D	19 Aug 2025 18:30		RC/JU	Ok
16	Q2878-01	MW-18B-57.5-081325	BN037614.D	19 Aug 2025 19:07		RC/JU	Ok
17	Q2878-05	MW-11A-37.5-081425	BN037615.D	19 Aug 2025 19:43	Need 20X.	RC/JU	Dilution

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_HP Processing Method bn081225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	SP6757 SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6846 SP6830,1ul/100ul sample SP6854		

18	SSTDCCC0.4	SSTDCCC0.4EC	BN037616.D	19 Aug 2025 20:19		RC/JU	Ok
19	DFTPP	DFTPP	BN037617.D	20 Aug 2025 03:35		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN037618.D	20 Aug 2025 04:14		RC/JU	Ok
21	PB169286BL	PB169286BL	BN037619.D	20 Aug 2025 04:50		RC/JU	Ok
22	Q2842-01DL	RMW-03B-90.4-081220	BN037620.D	20 Aug 2025 05:27		RC/JU	Ok
23	Q2842-02DL	RMW-02B-66.3-081220	BN037621.D	20 Aug 2025 06:03		RC/JU	Ok
24	Q2869-01DL	MW-19B-71.5-081325D	BN037622.D	20 Aug 2025 06:38		RC/JU	Ok
25	Q2881-01	RW8-SP100-20250814	BN037623.D	20 Aug 2025 07:13		RC/JU	Ok
26	Q2881-02	RW8-SP303-20250814	BN037624.D	20 Aug 2025 07:49		RC/JU	Ok
27	Q2882-01	RW7-SP100-20250814	BN037625.D	20 Aug 2025 08:25		RC/JU	Ok
28	Q2882-02	RW7-SP201-20250814	BN037626.D	20 Aug 2025 09:00		RC/JU	Ok
29	Q2882-03	RW7-SP302-20250814	BN037627.D	20 Aug 2025 09:37		RC/JU	Ok
30	Q2882-04	RW7-SP303-20250814	BN037628.D	20 Aug 2025 10:13		RC/JU	Ok
31	Q2878-05DL	MW-11A-37.5-081425D	BN037629.D	20 Aug 2025 10:49		RC/JU	Ok
32	PB169286BS	PB169286BS	BN037630.D	20 Aug 2025 11:25		RC/JU	Ok
33	SSTDCCC0.4	SSTDCCC0.4EC	BN037631.D	20 Aug 2025 14:56		RC/JU	Ok

M : Manual Integration

SOP ID:	M3510C,3580A-Extraction SVOC-21		
Clean Up SOP #:	N/A	Extraction Start Date :	08/18/2025
Matrix :	Water	Extraction Start Time :	08:41
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	08/18/2025
Balance ID:	N/A	Filter By:	RJ
pH Strip Lot#:	E3953	Extraction End Time :	13:45
		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	SP6855
Surrogate	1.0ML	0.4 PPM	SP6831
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	E3964
Baked Na2SO4	N/A	EP2632
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
8/18/25	RS (Ext Lab)	RC/svoc
13:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/18/2025

Sample ID	Client Sample ID	Test	g / ¹ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169286BL	SBLK286	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1			SEP-1
PB169286BS	SLCS286	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1			2
Q2842-01	RMW-03B-90.4-08122025	SVOC-SIMGrou p1	910	6	RUPESEH	ritesh	1	E		3
Q2842-02	RMW-02B-66.3-08122025	SVOC-SIMGrou p1	970	6	RUPESEH	ritesh	1	E		4
Q2842-03	MW-17B-55.5-08122025	SVOC-SIMGrou p1	980	6	RUPESEH	ritesh	1	H		5
Q2842-04	Q2842-03MS	SVOC-SIMGrou p1	940	6	RUPESEH	ritesh	1	H		6
Q2842-05	Q2842-03MSD	SVOC-SIMGrou p1	960	6	RUPESEH	ritesh	1	H		7
Q2842-06	MW-06-6.5-08122025	SVOC-SIMGrou p1	970	6	RUPESEH	ritesh	1	B		8
Q2869-01	MW-19B-71.5-081325	SVOC-SIMGrou p1	930	6	RUPESEH	ritesh	1	G		9
Q2869-03	MW-01-6.5-081325	SVOC-SIMGrou p1	900	6	RUPESEH	ritesh	1	C		10
Q2869-04	MW-11A-13.5-081325	SVOC-SIMGrou p1	960	6	RUPESEH	ritesh	1	C		11
Q2869-05	MW-19B-71.5-081325-FD	SVOC-SIMGrou p1	960	6	RUPESEH	ritesh	1	G		12
Q2869-07	EB01-081325	SVOC-SIMGrou p1	940	6	RUPESEH	ritesh	1	G		13
Q2869-10	EB02-081325	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1	C		14
Q2878-01	MW-18B-57.5-081325	SVOC-SIMGrou p1	900	6	RUPESEH	ritesh	1	C		15
Q2878-05	MW-11A-37.5-081425	SVOC-SIMGrou p1	950	6	RUPESEH	ritesh	1	C		16
Q2881-01	RW8-SP100-2025814	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1	D		SEP-1
Q2881-02	RW8-SP303-20250814	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1	D		2
Q2882-01	RW7-SP100-20250814	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1			3
Q2882-02	RW7-SP201-20250814	SVOC-SIMGrou p1	1000	6	RUPESEH	ritesh	1			4
Q2882-03	RW7-SP302-20250814	SVOC-SIMGrou p1	910	6	RUPESEH	ritesh	1			5
Q2882-04	RW7-SP303-20250814	SVOC-SIMGrou p1	940	6	RUPESEH	ritesh	1			6

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2842 WorkList ID : 191325 Department : Extraction Date : 08-18-2025 08:35:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2842-01	RMW-03B-90.4-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-02	RMW-02B-66.3-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-03	MW-17B-55.5-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-04	Q2842-03MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-05	Q2842-03MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-06	MW-06-6.5-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2869-01	MW-19B-71.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-03	MW-01-6.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-04	MW-11A-13.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-05	MW-19B-71.5-081325-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-07	EB01-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-10	EB02-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2878-01	MW-18B-57.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2878-05	MW-11A-37.5-081425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	08/14/2025	8270-Modified
Q2881-01	RW8-SP100-2025814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	08/14/2025	8270-Modified
Q2881-02	RW8-SP303-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	08/14/2025	8270-Modified
Q2882-01	RW7-SP100-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-02	RW7-SP201-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-03	RW7-SP302-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-04	RW7-SP303-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified

Date/Time
8/18/25
8:36

Raw Sample Received by:
RS (Ex- Lab)

Raw Sample Relinquished by:
JAL SM

Date/Time
8/18/25
9:10

Raw Sample Received by:
JAL SM

Raw Sample Relinquished by:
RS (Ex- Lab)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Jacobs**
ADDRESS: **412 Mt Kemble Ave Suite #100**
CITY: **Morrisstown** STATE: **NJ** ZIP: **07960**
ATTENTION: **John. Yufante**
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **STC PTC**
PROJECT NO.: **B3868221** LOCATION: **Pondok Junction**
PROJECT MANAGER: **Mary Murphy**
e-mail: **Mary.Murphy@Jacobs.com**
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **Mary Murphy** PO#: **2047200**
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 Vols (1000L - 1000L)
2. 1/4 D-Orange (1000L - 1000L)
3. 1/4 D-Orange (1000L - 1000L)
4. Dissolved Iron (1000L - 1000L)
5. Dissolved Iron (1000L - 1000L)
6. Dissolved Iron (1000L - 1000L)
7. TDS (5000L - 5000L)
8. Anions (5000L - 5000L)
9. Anions (5000L - 5000L)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES								COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
			COMP	GRAB	DATE	TIME		A/E	E	B/E	E	E	E	E	A/E		
								1	2	3	4	5	6	7	8		9
1.	MW-19B-71.5-081325	GW		X	8/13/25	1152	8	X	X	X	X	X	X	X	~~X~~	TH	
2.	MW-01-6.5-081325	GW		X	8/13/25	1110	4	X	X								
3.	MW-11A-13.5-081325	GW		X	8/13/25	1510	4	X	X								
4.	MW-19B-71.5-081325-FD	GW		X	8/13/25	1155	8	X	X	X	X	X	X	X			
5.	EB01-081325	DI		X	8/13/25	1500	9	X	X	X	X	X	X	X			
6.	MW-19B-71.5-081325-SIM	GW		X	8/13/25	1158	2								X		
7.	EB02-081325	DI		X	8/13/25	1600	4	X	X								
8.	TR01-081325	DI		X	8/13/25	1605	2	X									
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 8/13/25 1645	RECEIVED BY: 1. [Signature]	DATE/TIME: 8-13-25 1645	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	DATE/TIME:	Comments: See work order for list of site specific vols
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 8-13-25 1810	RECEIVED BY: 3. [Signature]	DATE/TIME:	EB01 Dissolved Iron bottles are preserved w/ HNO3, the other diss iron samples are un preserved

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (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	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2869	JACO05	Order Date : 8/14/2025 9:15:00 AM	Project Mgr : Level 3
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : ~~Level 4~~
Client Contact : John Ynfante		Receive DateTime : 8/13/2025 6:18:00 PM	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
Q2869-01	MW-19B-71.5-081325	Water	08/13/2025	11:52					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2869-03	MW-01-6.5-081325	Water	08/13/2025	~~15:10~~ 11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2869-04	MA-11A-13.5-081325	Water	08/13/2025	~~11:55~~ 15:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2869-05	MW-19B-71.5-081325-FD	Water	08/13/2025	~~15:00~~ 11:55					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2869-07	EB01-081325	Water	08/13/2025	~~16:00~~ 15:00					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2869-09	MW-19B-71.5-081325-SIM	Water	08/13/2025	11:58					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q2869-10	EB02-081325	Water	08/13/2025	16:00					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2869-11	TB01-081325	Water	08/13/2025	16:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2869	JACO05	Order Date : 8/14/2025 9:15:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 8/13/2025 6:18:00 PM	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
					VOCMS Group3		8260-Low		10 Bus. Days

Relinquished By :

Date / Time :

[Signature]
8/14/25 1020

Received By :

Date / Time :

[Signature]
8/14/25 10:20 *2g #4*

Storage Area : VOA Refridgerator Room