

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

LAB CHRONICLE

OrderID:	Q2200	OrderDate:	6/3/2025 4:06:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2200-01	RMW-02B-66-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-01DL	RMW-02B-66-060325 DL	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-02	RMW-03B-90-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-02DL	RMW-03B-90-060325 DL	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-03	EB01-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-04	MW-01-6.5-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-05	MW-11B-37.5-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-05DL	MW-11B-37.5-060325 DL	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	



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

Hit Summary Sheet SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	RMW-02B-66-060325						
Q2200-01	RMW-02B-66-060325	WATER	1,4-Dioxane	21.100	E 0.07	0.21	ug/L
			Total Svoc :	21.10			
			Total Concentration:	21.10			
Client ID :	RMW-02B-66-060325DL						
Q2200-01DL	RMW-02B-66-060325DL	WATER	1,4-Dioxane	25.100	D 0.68	2.1	ug/L
			Total Svoc :	25.10			
			Total Concentration:	25.10			
Client ID :	RMW-03B-90-060325						
Q2200-02	RMW-03B-90-060325	WATER	1,4-Dioxane	6.400	E 0.07	0.21	ug/L
			Total Svoc :	6.40			
			Total Concentration:	6.40			
Client ID :	RMW-03B-90-060325DL						
Q2200-02DL	RMW-03B-90-060325DL	WATER	1,4-Dioxane	5.400	D 0.14	0.42	ug/L
			Total Svoc :	5.40			
			Total Concentration:	5.40			
Client ID :	MW-11B-37.5-060325						
Q2200-05	MW-11B-37.5-060325	WATER	1,4-Dioxane	22.100	E 0.07	0.21	ug/L
			Total Svoc :	22.10			
			Total Concentration:	22.10			
Client ID :	MW-11B-37.5-060325DL						
Q2200-05DL	MW-11B-37.5-060325DI	WATER	1,4-Dioxane	25.100	D 0.68	2.1	ug/L
			Total Svoc :	25.10			
			Total Concentration:	25.10			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168286BL	PB168286BL	2-Methylnaphthalene-d10	0.4	0.36	89		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	85		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	84		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	91		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.39	98		30 (54)	130 (175)
PB168286BS	PB168286BS	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.30	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	88		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	94		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	91		30 (54)	130 (175)
PB168286BSD	PB168286BSD	2-Methylnaphthalene-d10	0.4	0.41	101		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.32	79		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	96		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.38	94		30 (54)	130 (175)
Q2200-01	RMW-02B-66-060325	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	95		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	110		30 (54)	130 (175)
Q2200-01DL	RMW-02B-66-060325DL	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	105		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	75		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	93		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.52	130		30 (54)	130 (175)
Q2200-02	RMW-03B-90-060325	2-Methylnaphthalene-d10	0.4	0.30	74		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	78		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)
Q2200-02DL	RMW-03B-90-060325DL	2-Methylnaphthalene-d10	0.4	0.24	60		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.29	72		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.24	60		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.26	65		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.39	97		30 (54)	130 (175)
Q2200-03	EB01-060325	2-Methylnaphthalene-d10	0.4	0.29	73		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.31	77		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
Q2200-04	MW-01-6.5-060325	2-Methylnaphthalene-d10	0.4	0.32	80		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	82		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.34	85		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
Q2200-05	MW-11B-37.5-060325	2-Methylnaphthalene-d10	0.4	0.30	75		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	80		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)
Q2200-05DL	MW-11B-37.5-060325DL	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2200-05DL	MW-11B-37.5-060325DL	Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.33	83		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037182.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168286BS	1,4-Dioxane	0.4	0.40	ug/L	100				20 (65)	160 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037186.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB168286BSD	1,4-Dioxane	0.4	0.40	ug/L	100	0			20 (65)	160 (116)	20 (27)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168286BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2200

SAS No.: Q2200 SDG NO.: Q2200

Lab File ID: BN037173.D

Lab Sample ID: PB168286BL

Instrument ID: BNA_N

Date Extracted: 06/04/2025

Matrix: (soil/water) Water

Date Analyzed: 06/05/2025

Level: (low/med) LOW

Time Analyzed: 10:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168286BS	PB168286BS	BN037182.D	06/05/2025
RMW-02B-66-060325	Q2200-01	BN037177.D	06/05/2025
RMW-03B-90-060325	Q2200-02	BN037178.D	06/05/2025
EB01-060325	Q2200-03	BN037179.D	06/05/2025
PB168286BSD	PB168286BSD	BN037186.D	06/05/2025
MW-01-6.5-060325	Q2200-04	BN037180.D	06/05/2025
MW-11B-37.5-060325	Q2200-05	BN037181.D	06/05/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q2200SDG NO.: Q2200Lab File ID: BN037142.DDFTPP Injection Date: 06/03/2025Instrument ID: BNA_NDFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	61.1
443	15.0 - 24.0% of mass 442	12.1 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

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



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: Q2200 SDG NO.: Q2200Lab File ID: BN037171.DDFTPP Injection Date: 06/05/2025Instrument ID: BNA_NDFTPP Injection Time: 09:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74.9
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	60.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.1
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
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	52.4
443	15.0 - 24.0% of mass 442	10.3 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037172.D	06/05/2025	09:42
PB168286BL	PB168286BL	BN037173.D	06/05/2025	10:19
RMW-02B-66-060325	Q2200-01	BN037177.D	06/05/2025	12:44
RMW-03B-90-060325	Q2200-02	BN037178.D	06/05/2025	13:20
EB01-060325	Q2200-03	BN037179.D	06/05/2025	13:56
MW-01-6.5-060325	Q2200-04	BN037180.D	06/05/2025	14:32
MW-11B-37.5-060325	Q2200-05	BN037181.D	06/05/2025	15:08
PB168286BS	PB168286BS	BN037182.D	06/05/2025	16:21
RMW-02B-66-060325DL	Q2200-01DL	BN037183.D	06/05/2025	16:57
RMW-03B-90-060325DL	Q2200-02DL	BN037184.D	06/05/2025	17:33
MW-11B-37.5-060325DL	Q2200-05DL	BN037185.D	06/05/2025	18:10
PB168286BSD	PB168286BSD	BN037186.D	06/05/2025	18:46

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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	2188	7.589	5634	10.37	3073	14.23
UPPER LIMIT	4376	8.089	11268	10.872	6146	14.734
LOWER LIMIT	1094	7.089	2817	9.872	1536.5	13.734
EPA SAMPLE NO.						
01 PB168286BL	1976	7.59	4795	10.37	2582	14.25
02 PB168286BS	2072	7.59	5107	10.37	2443	14.24
03 PB168286BSD	1756	7.59	4279	10.37	2046	14.24
04 RMW-02B-66-060325	2048	7.59	4893	10.37	2464	14.23
05 RMW-02B-66-060325DL	1563	7.60	4019	10.37	2284	14.24
06 RMW-03B-90-060325	1903	7.59	4873	10.37	2514	14.24
07 RMW-03B-90-060325DL	1825	7.59	4774	10.37	2649	14.24
08 EB01-060325	1771	7.59	4597	10.37	2434	14.23
09 MW-01-6.5-060325	1856	7.59	4772	10.37	2549	14.23
10 MW-11B-37.5-060325	2014	7.59	5256	10.37	2798	14.24
11 MW-11B-37.5-060325DL	1668	7.59	4203	10.37	2312	14.23

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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	5620	16.984	3619	21.188	3205	23.374
UPPER LIMIT	11240	17.484	7238	21.688	6410	23.874
LOWER LIMIT	2810	16.484	1809.5	20.688	1602.5	22.874
EPA SAMPLE NO.						
01 PB168286BL	4632	17.00	2959	21.19	2743	23.38
02 PB168286BS	4074	16.98	2362	21.19	2229	23.38
03 PB168286BSD	3397	16.98	1984	21.18	1936	23.38
04 RMW-02B-66-060325	4393	16.98	3309	21.19	3372	23.37
05 RMW-02B-66-060325DL	4264	17.00	2795	21.19	2507	23.38
06 RMW-03B-90-060325	4282	16.98	2888	21.19	2734	23.38
07 RMW-03B-90-060325DL	4719	16.98	2954	21.19	2771	23.38
08 EB01-060325	4339	16.98	2778	21.19	2502	23.38
09 MW-01-6.5-060325	4645	16.98	3039	21.19	2764	23.38
10 MW-11B-37.5-060325	4922	16.98	3314	21.19	3148	23.38
11 MW-11B-37.5-060325DL	4171	16.98	2654	21.19	2589	23.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-02B-66-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037177.D	1	06/04/25 11:46	06/05/25 12:44	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	21.1	E	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)	95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	110%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2050	7.589			
1146-65-2	Naphthalene-d8	4890	10.372			
15067-26-2	Acenaphthene-d10	2460	14.234			
1517-22-2	Phenanthrene-d10	4390	16.984			
1719-03-5	Chrysene-d12	3310	21.188			
1520-96-3	Perylene-d12	3370	23.374			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037177.D
 Acq On : 05 Jun 2025 12:44
 Operator : RC/JU
 Sample : Q2200-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-02B-66-060325

Quant Time: Jun 05 14:08:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

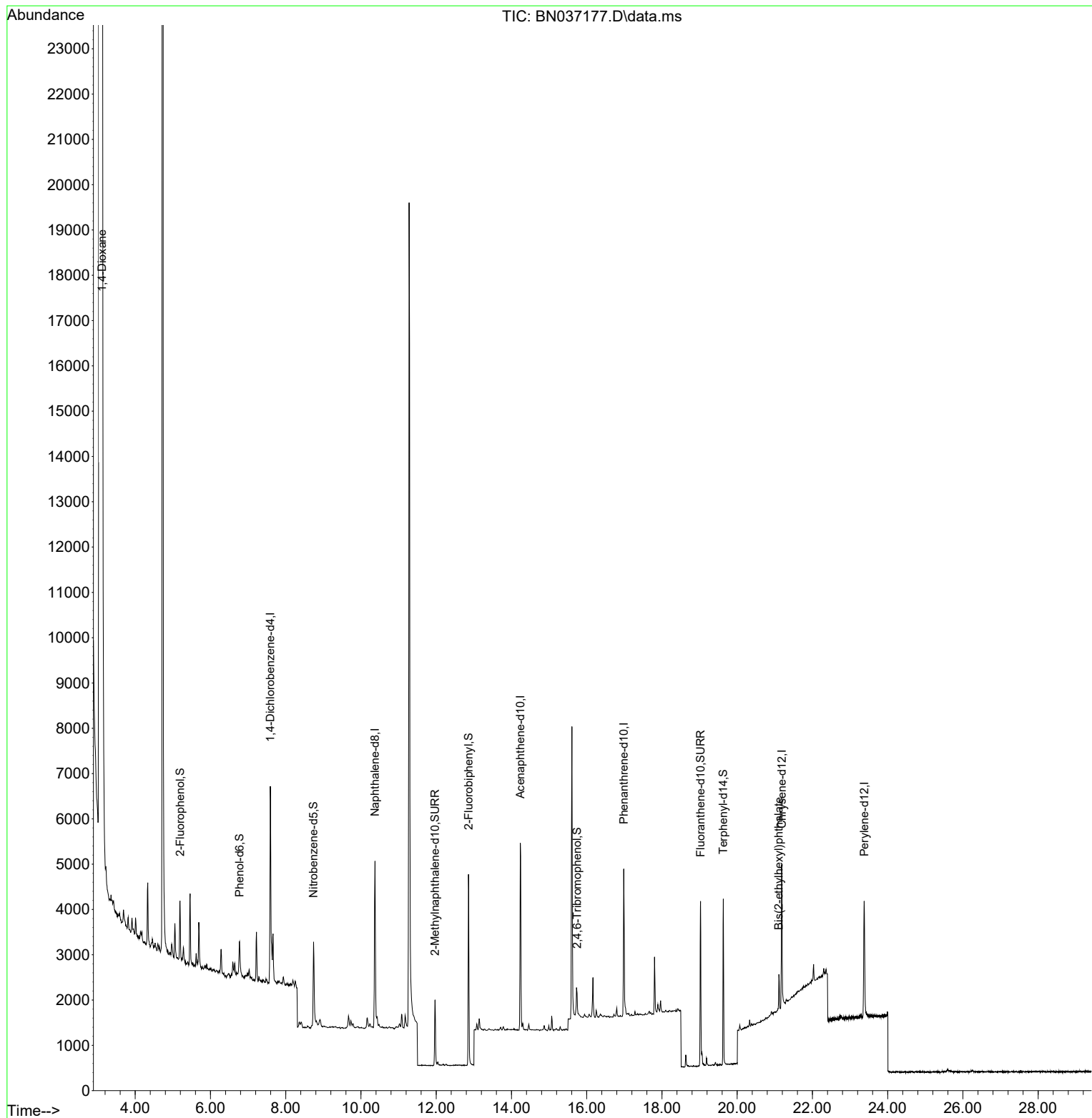
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2048	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4893	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2464	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4393	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3309	0.400	ng	0.00
35) Perylene-d12	23.374	264	3372	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	898	0.177	ng	0.00
5) Phenol-d6	6.773	99	666	0.108	ng	0.00
8) Nitrobenzene-d5	8.738	82	1702	0.330	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2102	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	363	0.366	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3785	0.360	ng	0.00
27) Fluoranthene-d10	19.026	212	4262	0.382	ng	0.00
31) Terphenyl-d14	19.630	244	3420	0.439	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	55921	20.484	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	778	0.103	ng	# 94

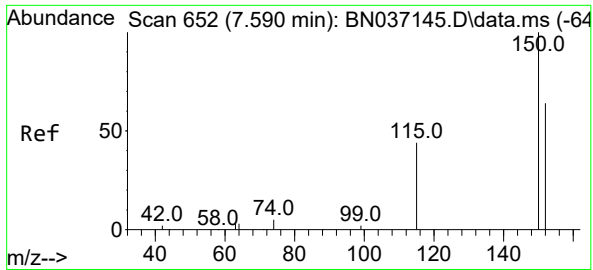
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037177.D
Acq On : 05 Jun 2025 12:44
Operator : RC/JU
Sample : Q2200-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

Quant Time: Jun 05 14:08:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

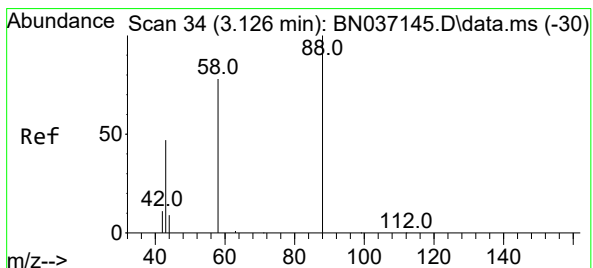
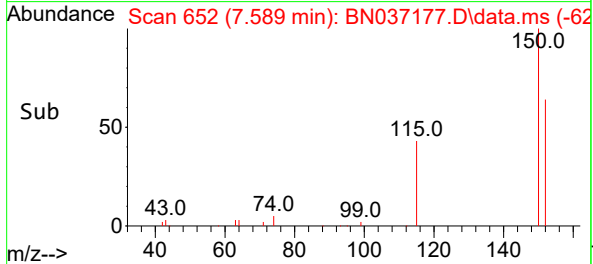
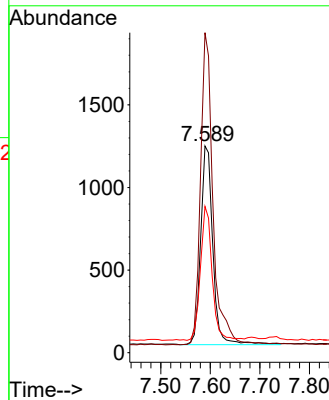
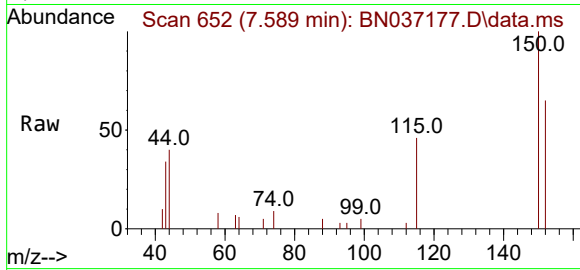




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

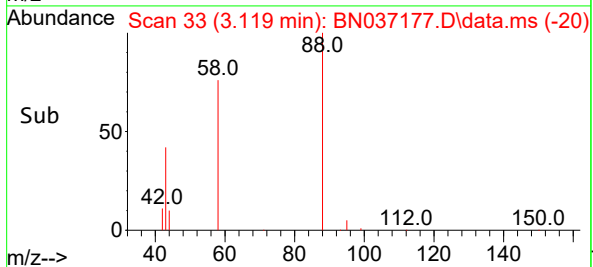
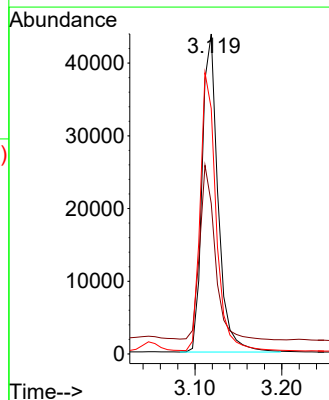
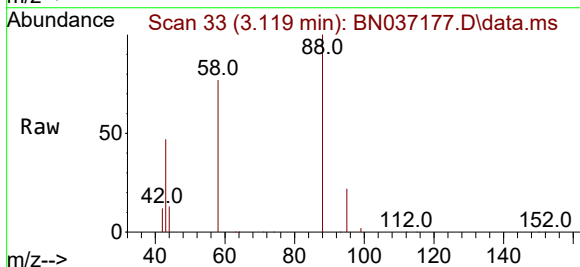
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

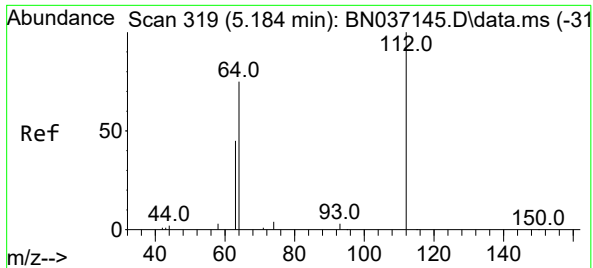
Tgt Ion:152 Resp: 2048
Ion Ratio Lower Upper
152 100
150 154.8 123.2 184.8
115 70.7 56.6 85.0



#2
1,4-Dioxane
Concen: 20.484 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.008 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion: 88 Resp: 55921
Ion Ratio Lower Upper
88 100
43 53.0 43.5 65.3
58 86.6 67.7 101.5

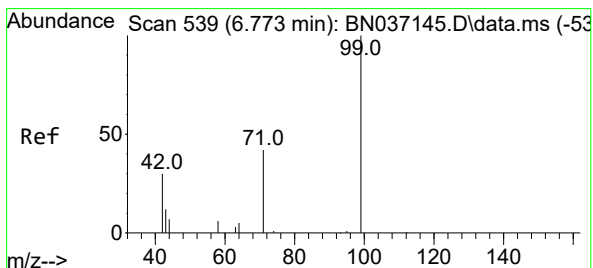
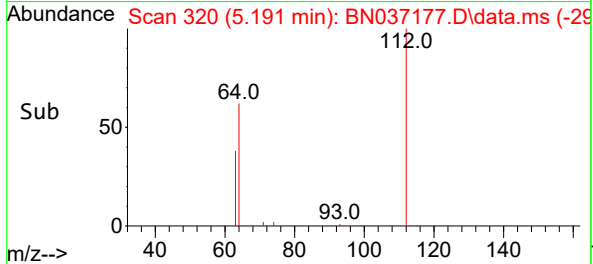
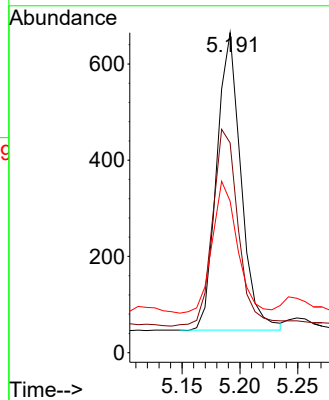
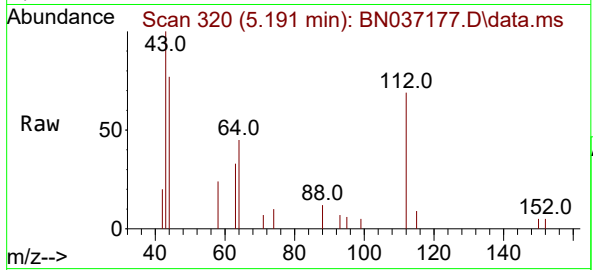




#4
2-Fluorophenol
Concen: 0.177 ng
RT: 5.191 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

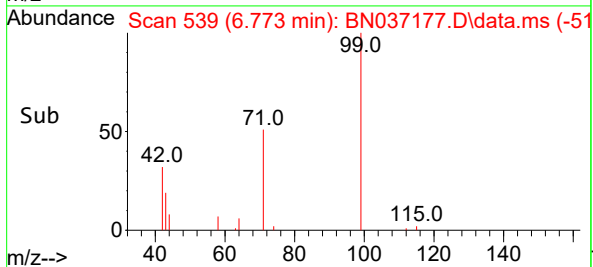
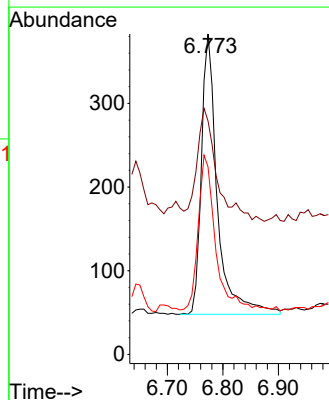
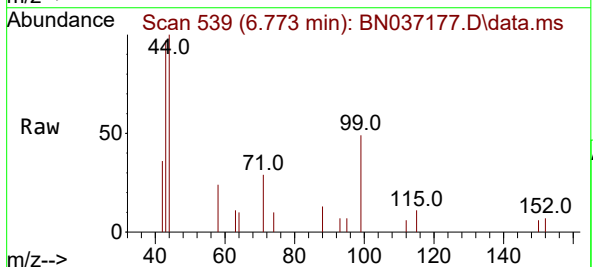
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

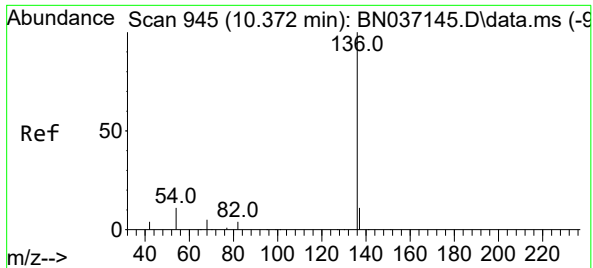
Tgt Ion:112 Resp: 898
Ion Ratio Lower Upper
112 100
64 72.7 56.3 84.5
63 46.4 36.2 54.4



#5
Phenol-d6
Concen: 0.108 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion: 99 Resp: 666
Ion Ratio Lower Upper
99 100
42 50.5 31.3 46.9#
71 59.8 38.2 57.2#

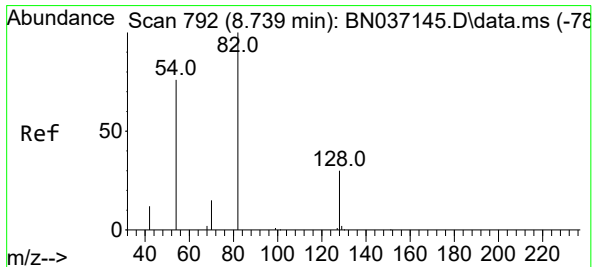
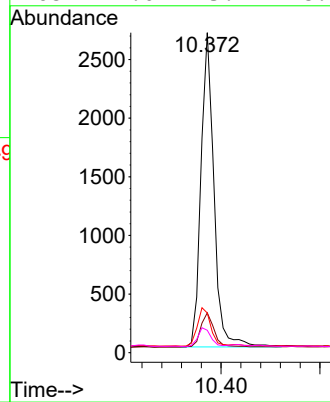
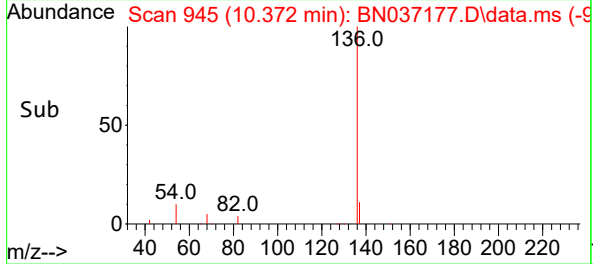
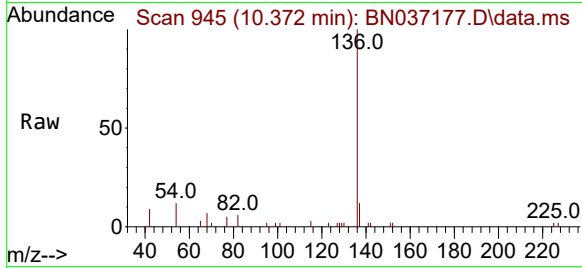




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

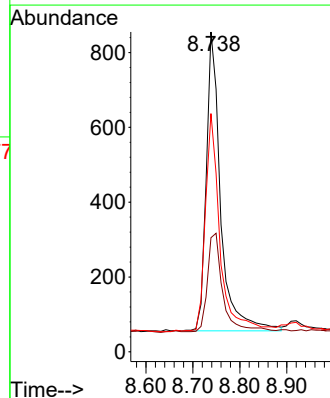
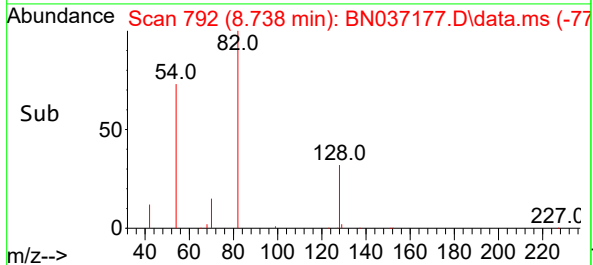
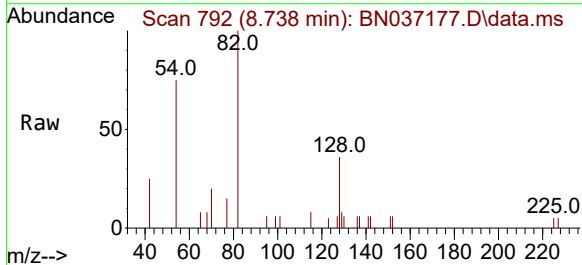
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

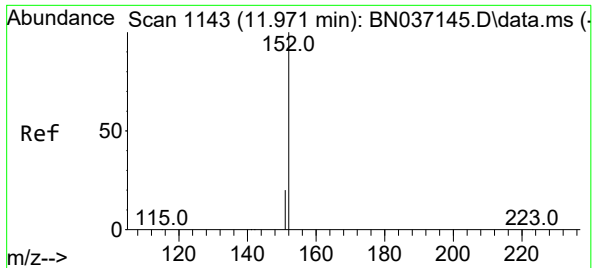
Tgt Ion:	136	Resp:	4893
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	12.4	9.7	14.5
68	7.0	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.330 ng
RT: 8.738 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:	82	Resp:	1702
Ion	Ratio	Lower	Upper
82	100		
128	35.7	26.9	40.3
54	74.5	61.4	92.2

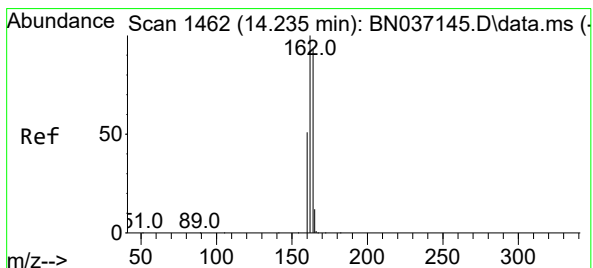
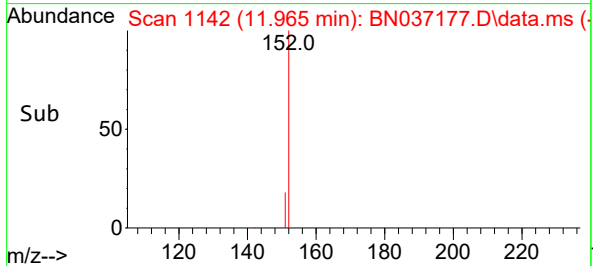
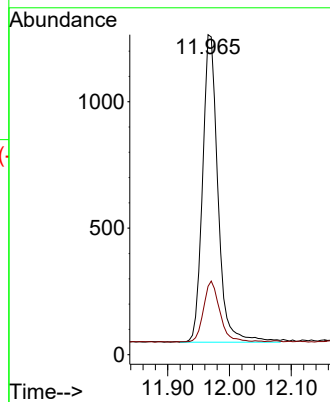
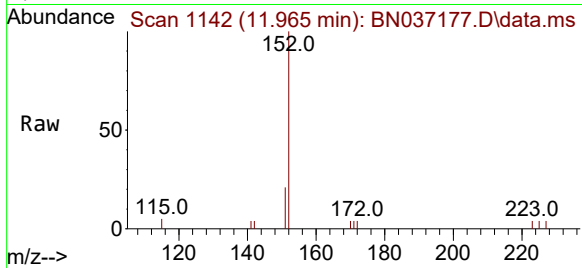




#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

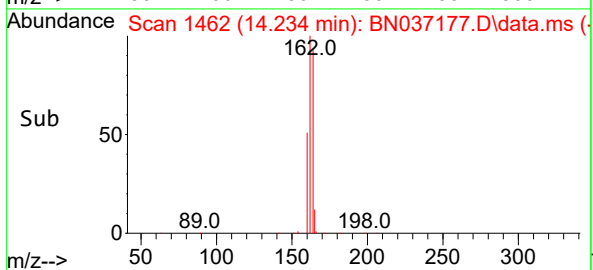
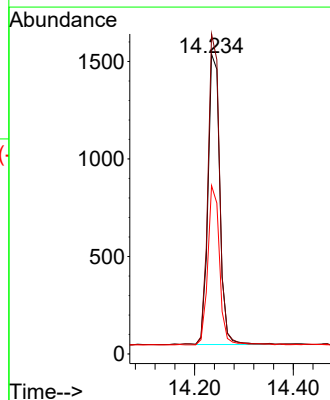
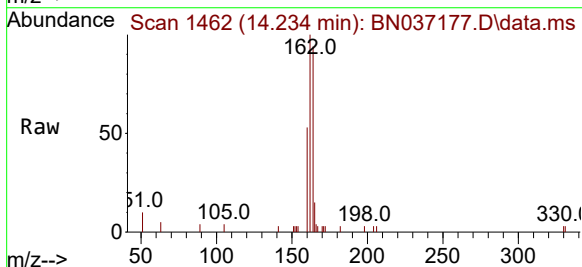
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

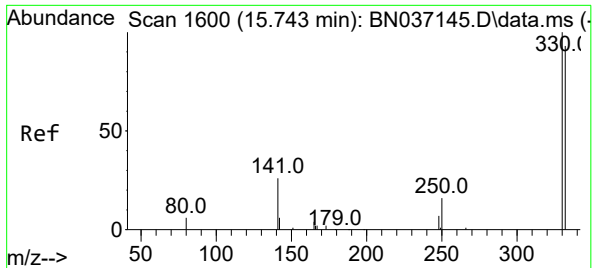
Tgt Ion:152 Resp: 2102
Ion Ratio Lower Upper
152 100
151 21.0 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:164 Resp: 2464
Ion Ratio Lower Upper
164 100
162 106.8 85.5 128.3
160 56.1 44.6 67.0

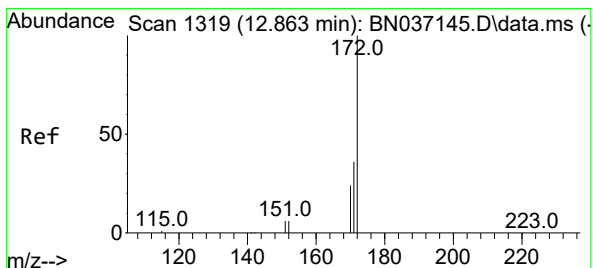
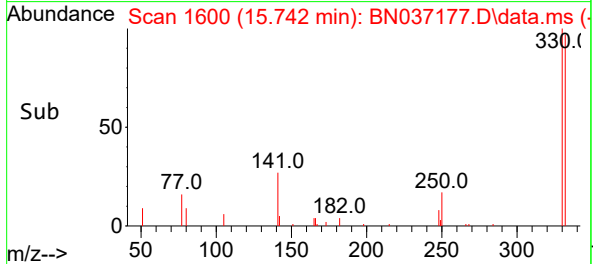
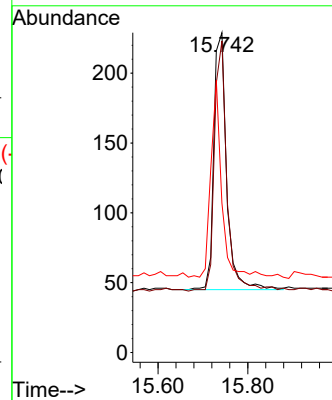
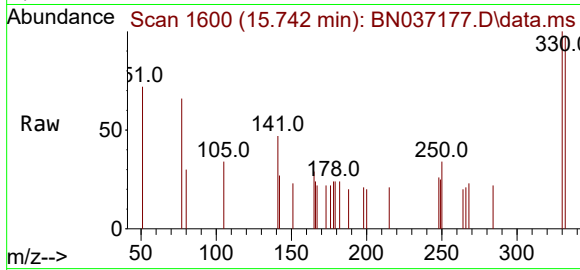




#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 15.742 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

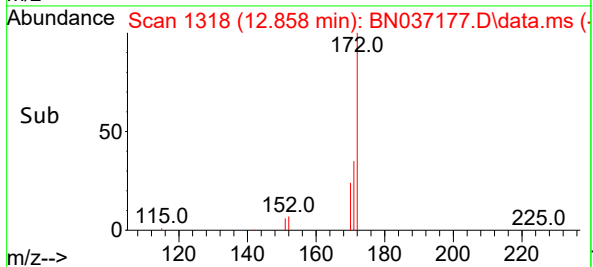
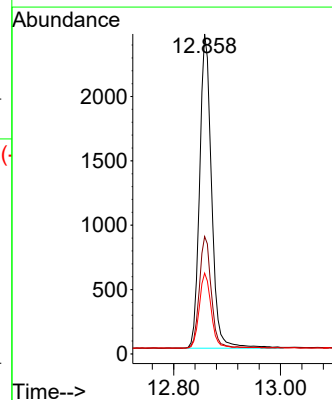
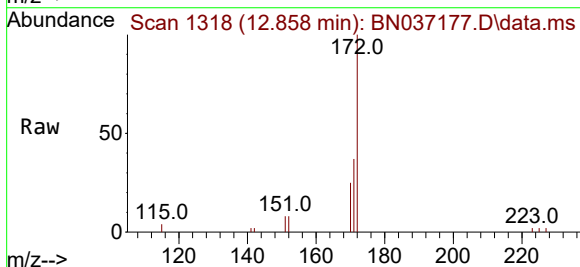
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

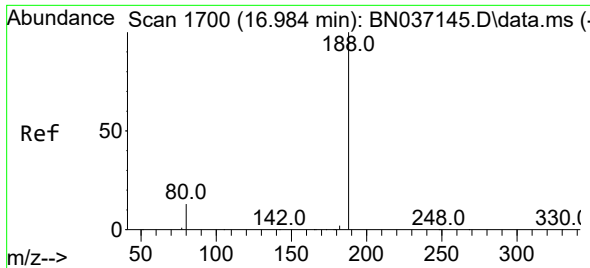
Tgt Ion	330	Resp	363
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.1	115.7
141	68.6	46.4	69.6



#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion	172	Resp	3785
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.6	44.4
170	25.2	20.3	30.5

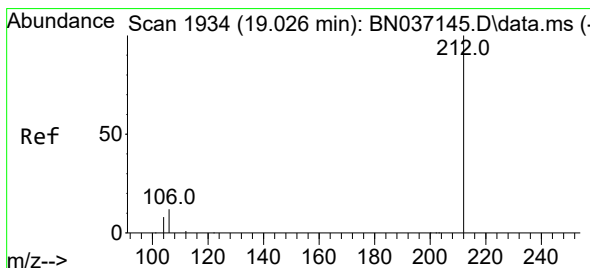
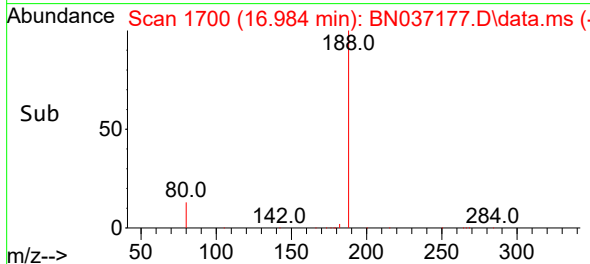
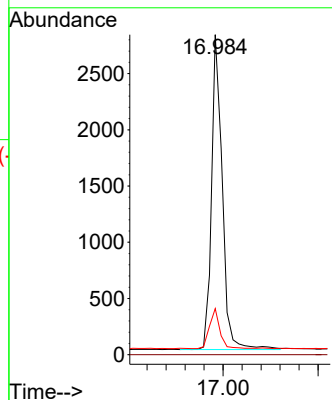
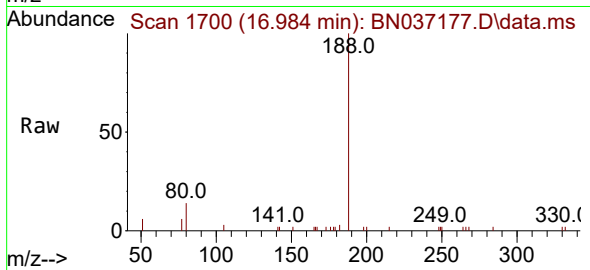




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

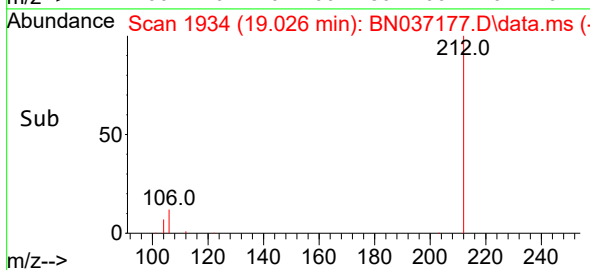
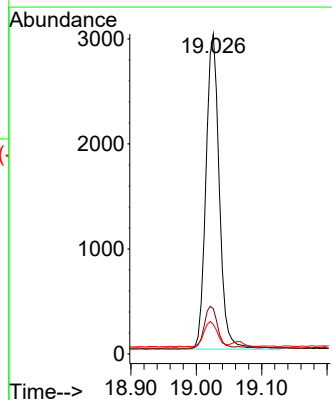
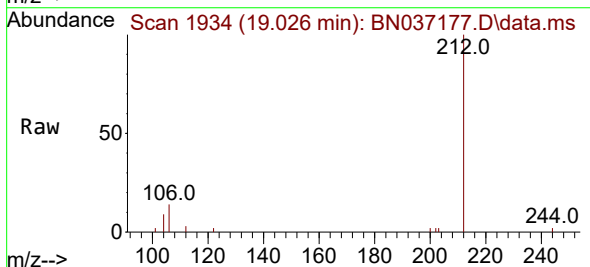
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

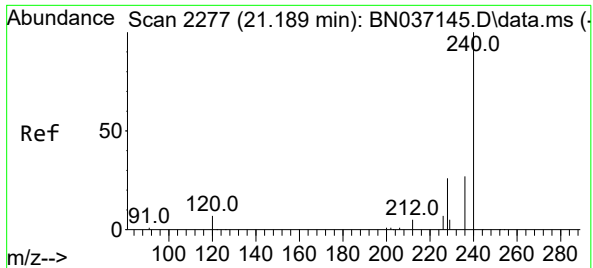
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.4	11.3	16.9



#27
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.4	10.6	15.8
104	7.9	6.6	9.8

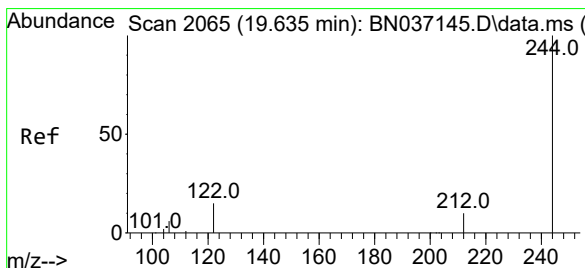
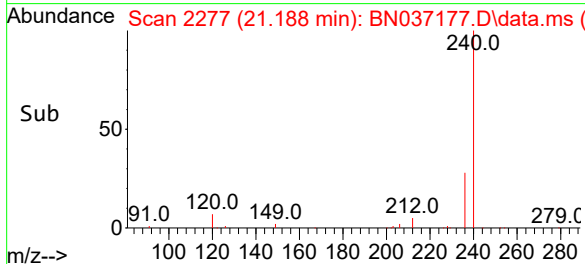
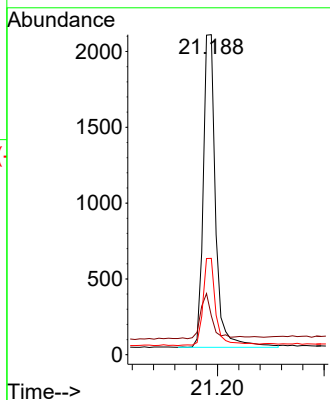
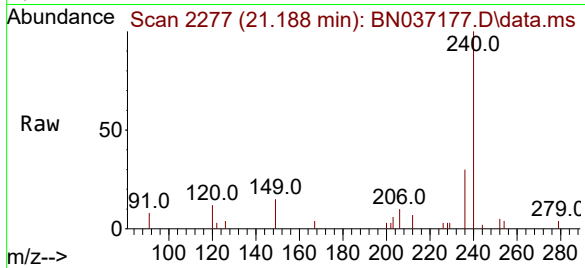




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.188 min Scan# 21188
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

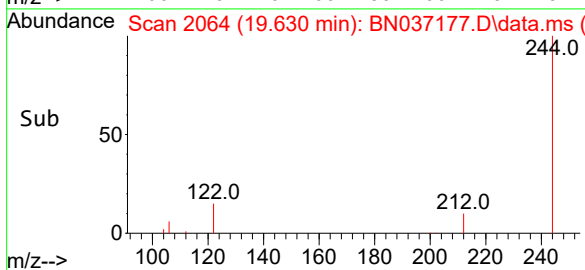
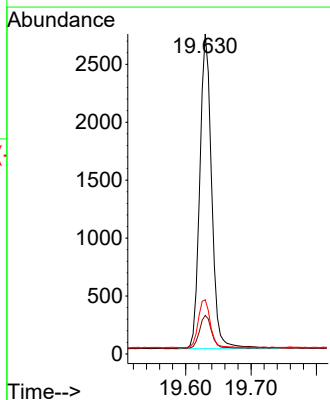
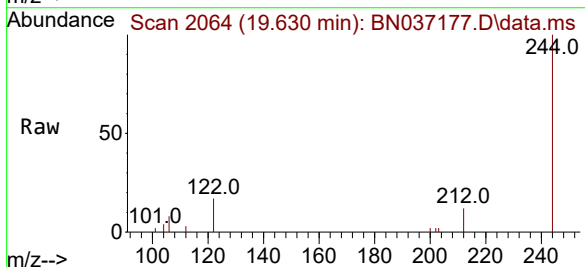
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

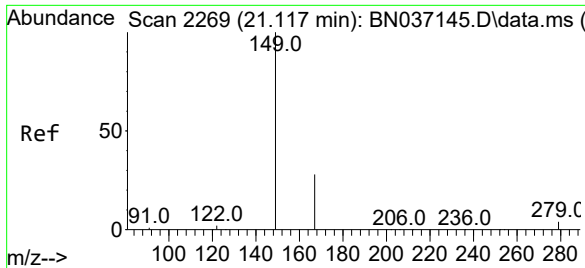
Tgt Ion:	240	Resp:	3309
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.0	13.4
236	30.1	23.0	34.4



#31
Terphenyl-d14
Concen: 0.439 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:	244	Resp:	3420
Ion Ratio	Lower	Upper	
244	100		
212	12.1	10.0	15.0
122	16.9	13.2	19.8

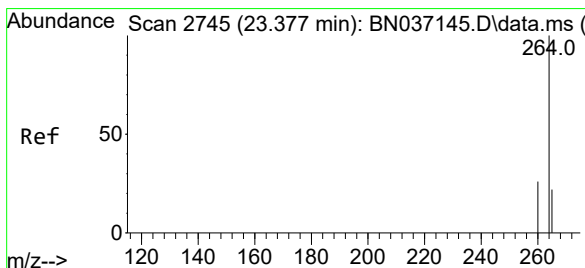
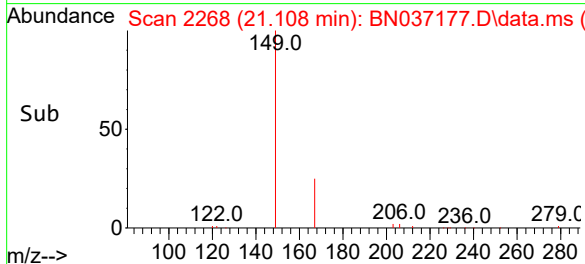
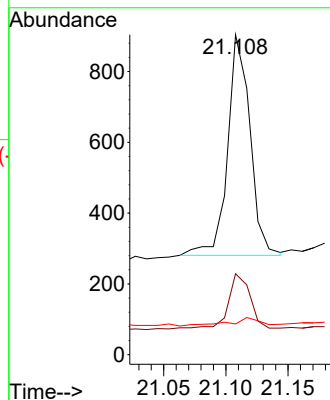
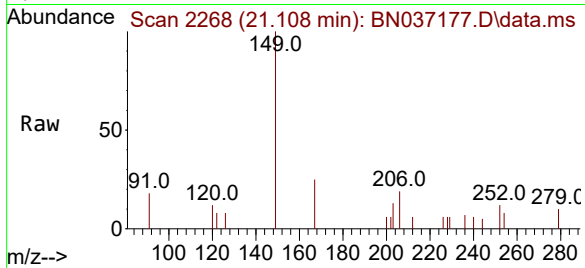




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.103 ng
RT: 21.108 min Scan# 2110
Delta R.T. -0.009 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

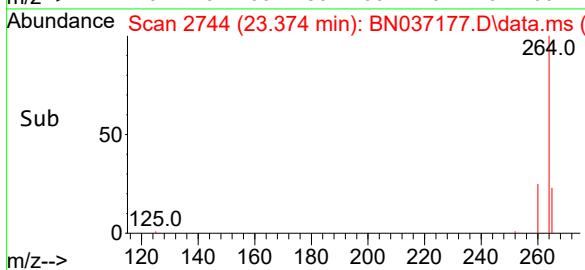
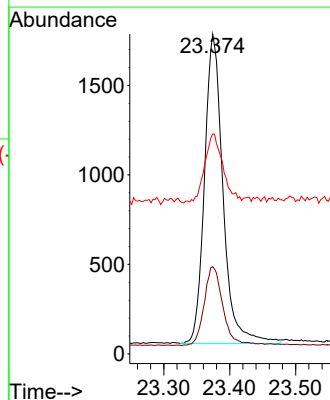
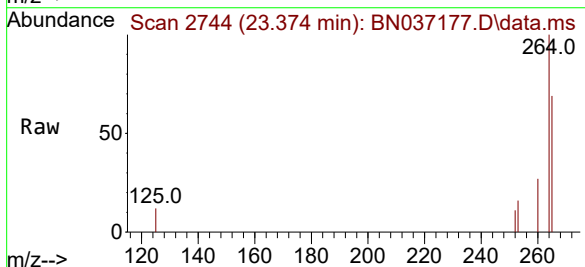
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

Tgt Ion:149 Resp: 778
Ion Ratio Lower Upper
149 100
167 23.0 21.0 31.4
279 5.5 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 2744
Delta R.T. -0.003 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:264 Resp: 3372
Ion Ratio Lower Upper
264 100
260 27.3 22.1 33.1
265 68.7 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-02B-66-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037183.D	10	06/04/25 11:46	06/05/25 16:57	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	25.1	D	0.68	2.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		30 (54) - 130 (175)	130%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1560	7.597			
1146-65-2	Naphthalene-d8	4020	10.372			
15067-26-2	Acenaphthene-d10	2280	14.235			
1517-22-2	Phenanthrene-d10	4260	16.996			
1719-03-5	Chrysene-d12	2800	21.189			
1520-96-3	Perylene-d12	2510	23.38			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037183.D
 Acq On : 05 Jun 2025 16:57
 Operator : RC/JU
 Sample : Q2200-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-02B-66-060325DL

Quant Time: Jun 05 17:32:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

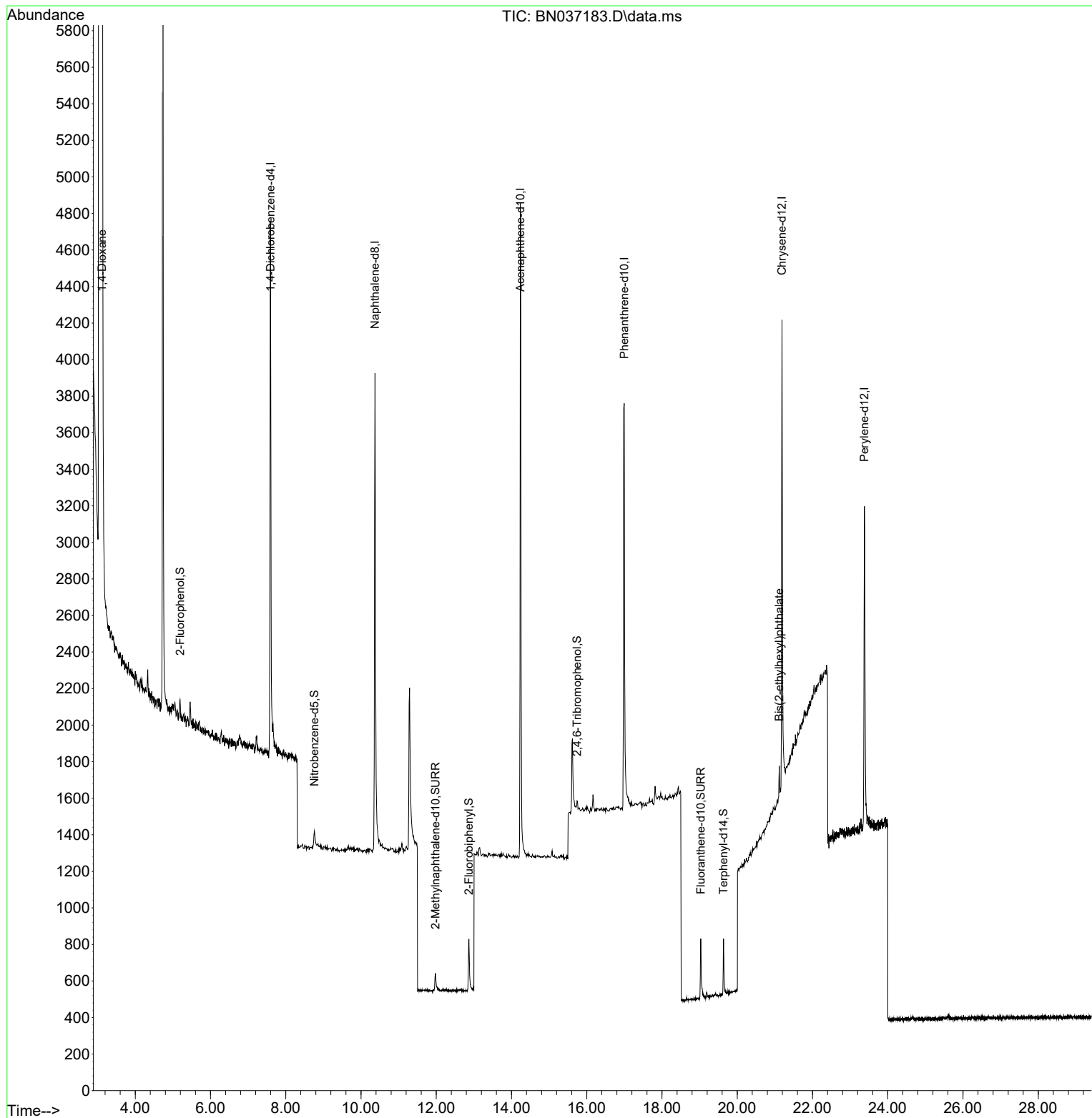
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	1563	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4019	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2284	0.400	ng	0.00
19) Phenanthrene-d10	16.996	188	4264	0.400	ng	# 0.01
29) Chrysene-d12	21.189	240	2795	0.400	ng	# 0.00
35) Perylene-d12	23.380	264	2507	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	82	0.021	ng	0.00
5) Phenol-d6	6.781	99	60	0.013	ng	0.00
8) Nitrobenzene-d5	8.760	82	127	0.030	ng	0.02
11) 2-Methylnaphthalene-d10	11.981	152	186	0.033	ng	0.01
14) 2,4,6-Tribromophenol	15.743	330	45	0.049	ng	0.00
15) 2-Fluorobiphenyl	12.868	172	364	0.037	ng	0.00
27) Fluoranthene-d10	19.031	212	456	0.042	ng	0.00
31) Terphenyl-d14	19.635	244	341	0.052	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	5066	2.432	ng	97
34) Bis(2-ethylhexyl)phtha...	21.117	149	247	0.039	ng	# 75

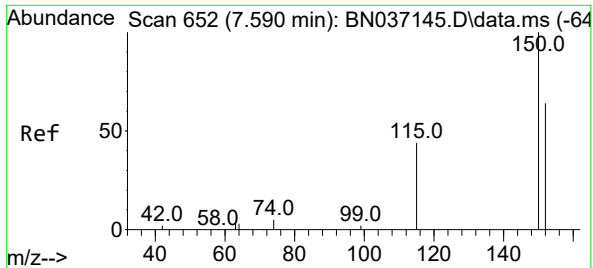
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037183.D
Acq On : 05 Jun 2025 16:57
Operator : RC/JU
Sample : Q2200-01DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

Quant Time: Jun 05 17:32:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

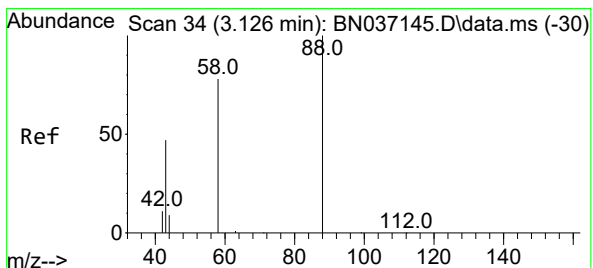
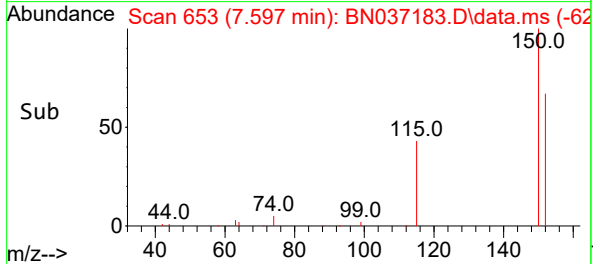
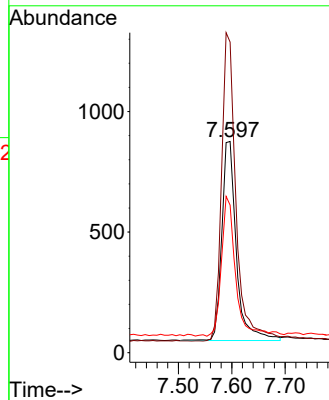
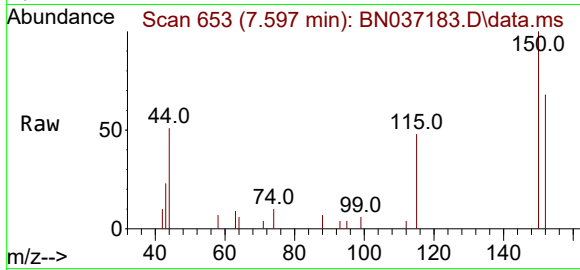




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

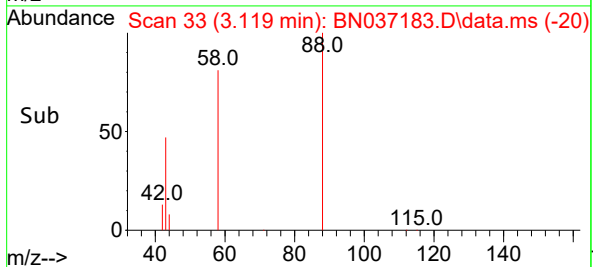
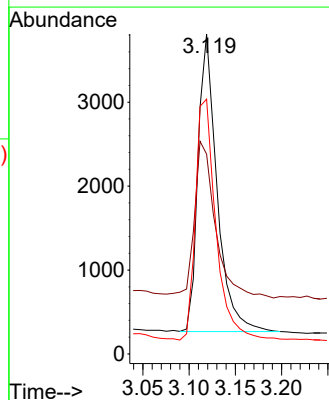
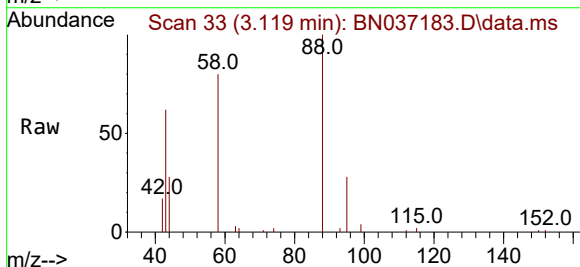
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

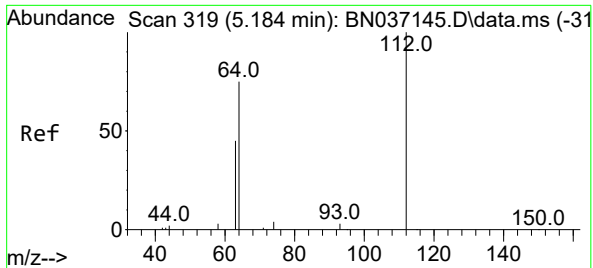
Tgt Ion:152 Resp: 1563
Ion Ratio Lower Upper
152 100
150 147.0 123.2 184.8
115 69.9 56.6 85.0



#2
1,4-Dioxane
Concen: 2.432 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion: 88 Resp: 5066
Ion Ratio Lower Upper
88 100
43 58.4 43.5 65.3
58 85.8 67.7 101.5

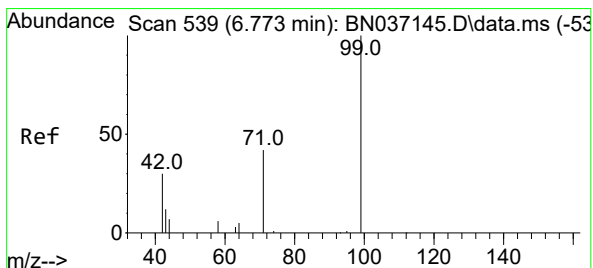
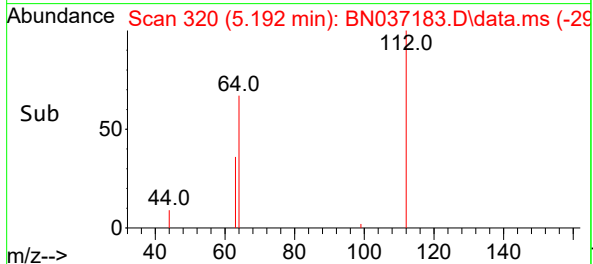
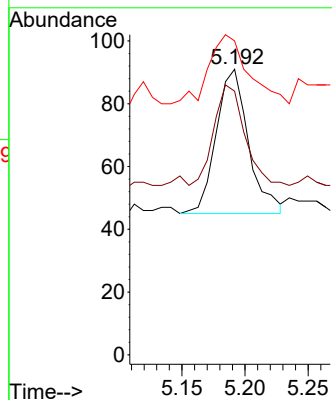
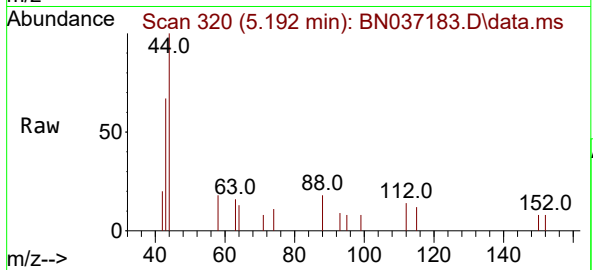




#4
2-Fluorophenol
Concen: 0.021 ng
RT: 5.192 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

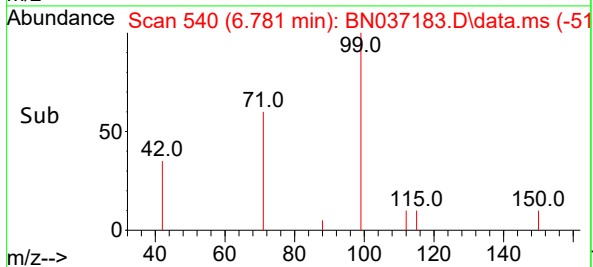
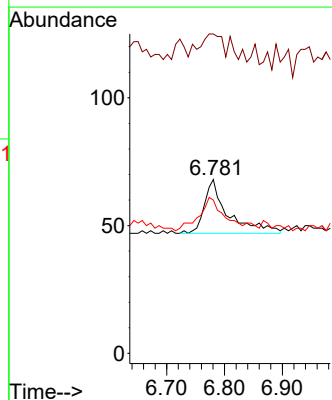
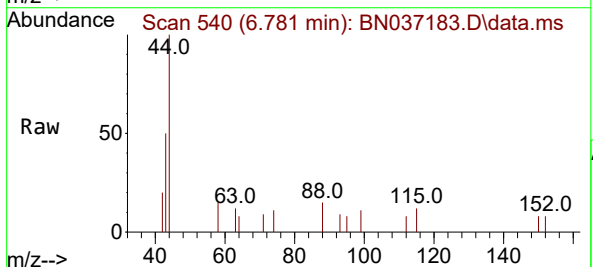
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

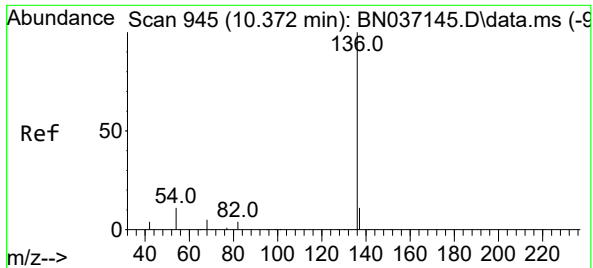
Tgt Ion:112 Resp: 82
Ion Ratio Lower Upper
112 100
64 72.0 56.3 84.5
63 57.3 36.2 54.4#



#5
Phenol-d6
Concen: 0.013 ng
RT: 6.781 min Scan# 540
Delta R.T. 0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion: 99 Resp: 60
Ion Ratio Lower Upper
99 100
42 41.7 31.3 46.9
71 63.3 38.2 57.2#

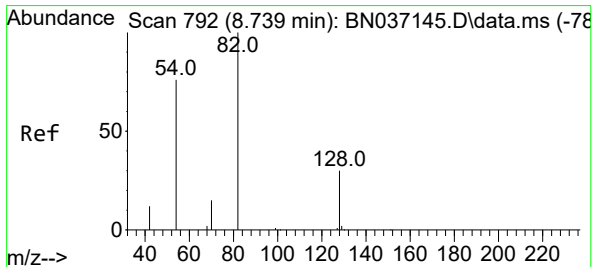
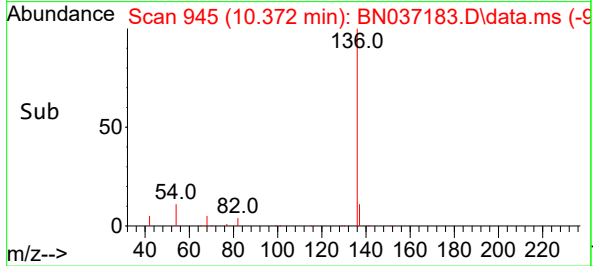
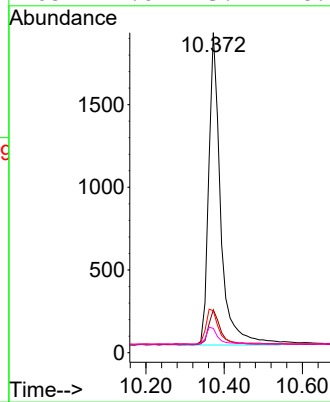
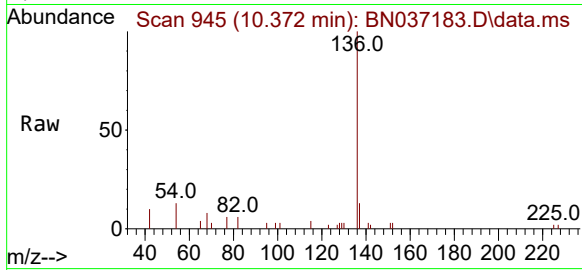




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

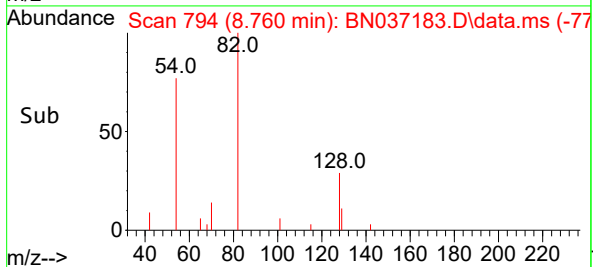
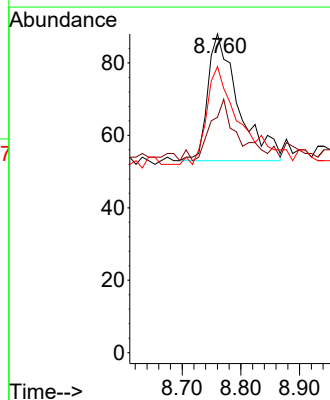
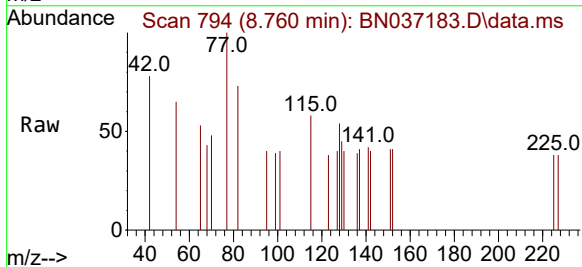
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

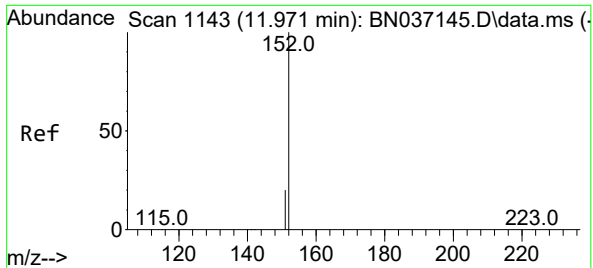
Tgt Ion:	136	Resp:	4019
Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.7	14.5
54	13.1	9.7	14.5
68	7.6	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.030 ng
RT: 8.760 min Scan# 794
Delta R.T. 0.021 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:	82	Resp:	127
Ion	Ratio	Lower	Upper
82	100		
128	73.9	26.9	40.3#
54	89.8	61.4	92.2

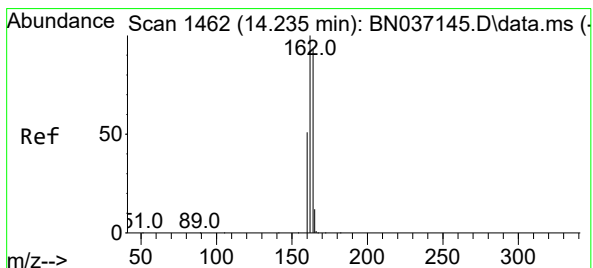
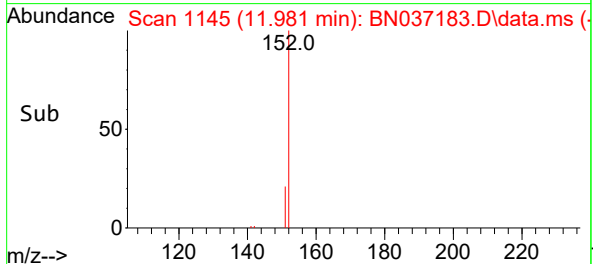
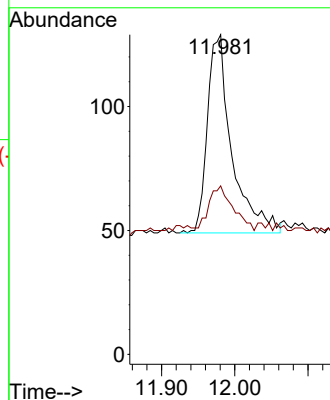
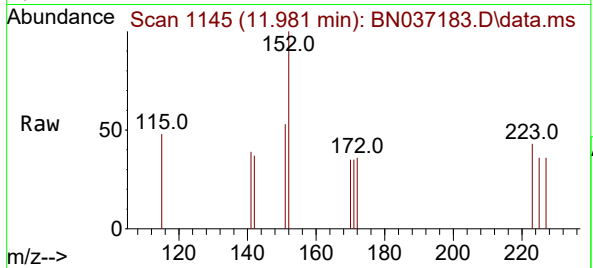




#11
2-Methylnaphthalene-d10
Concen: 0.033 ng
RT: 11.981 min Scan# 1145
Delta R.T. 0.010 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

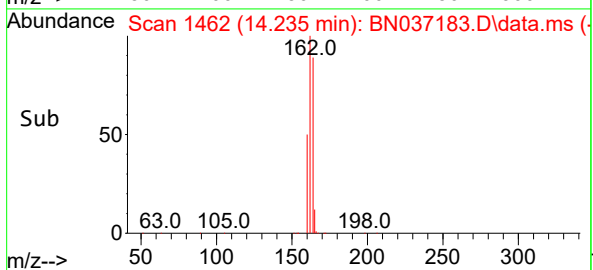
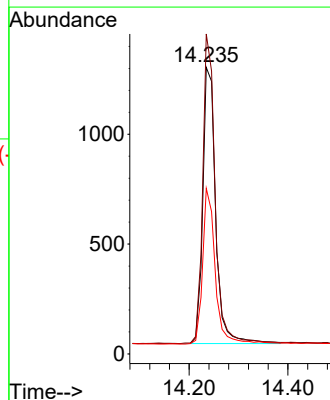
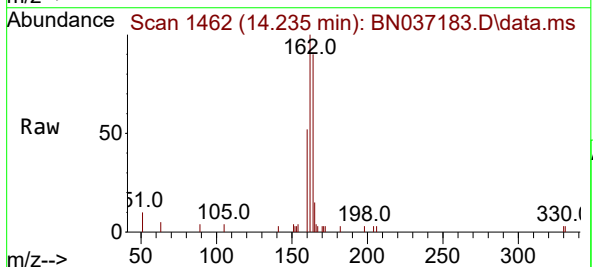
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

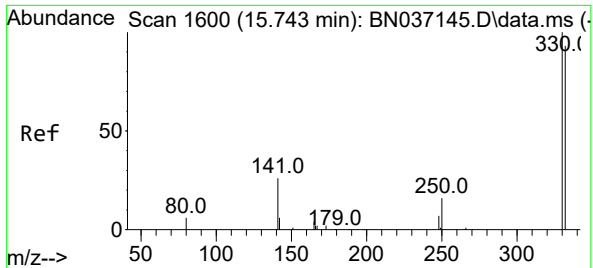
Tgt Ion:152 Resp: 186
Ion Ratio Lower Upper
152 100
151 23.1 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:164 Resp: 2284
Ion Ratio Lower Upper
164 100
162 111.6 85.5 128.3
160 57.8 44.6 67.0

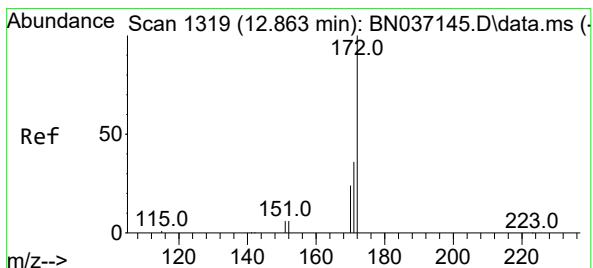
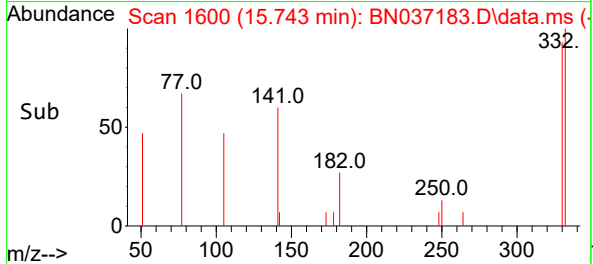
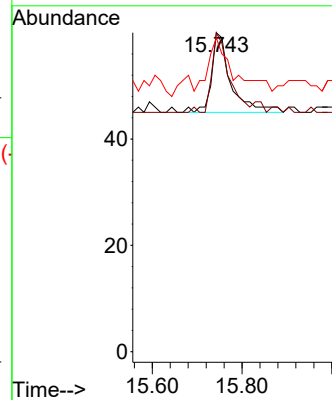
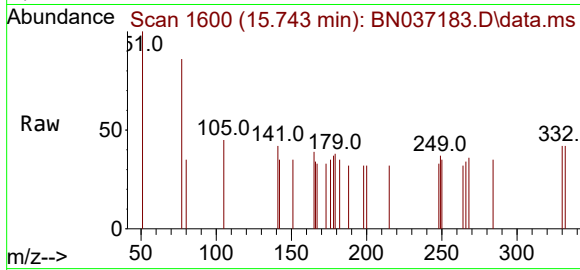




#14
2,4,6-Tribromophenol
Concen: 0.049 ng
RT: 15.743 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

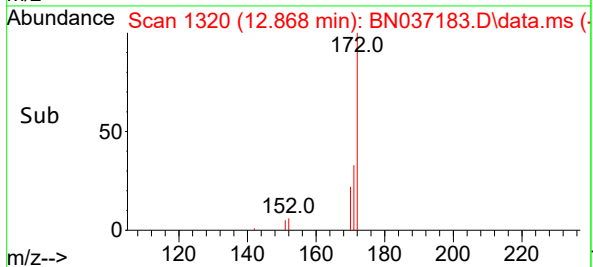
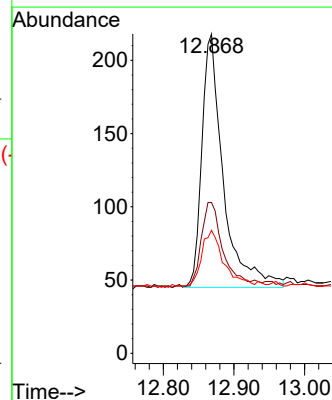
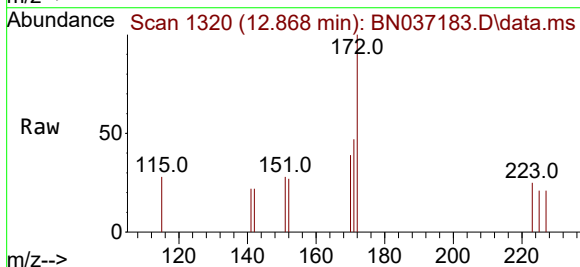
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

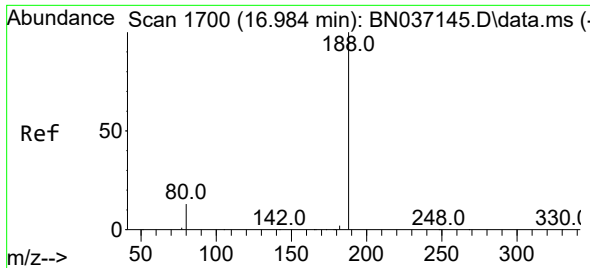
Tgt Ion:330 Resp: 45
Ion Ratio Lower Upper
330 100
332 86.7 77.1 115.7
141 71.1 46.4 69.6#



#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 12.868 min Scan# 1320
Delta R.T. 0.005 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:172 Resp: 364
Ion Ratio Lower Upper
172 100
171 47.2 29.6 44.4#
170 38.5 20.3 30.5#

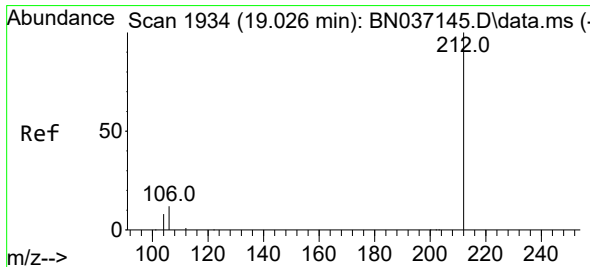
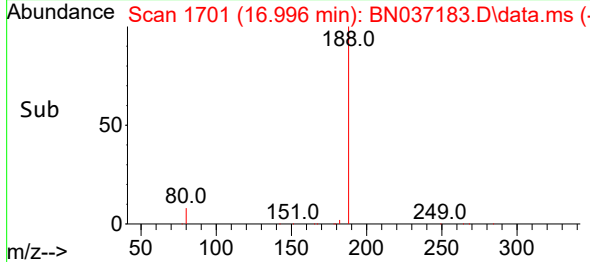
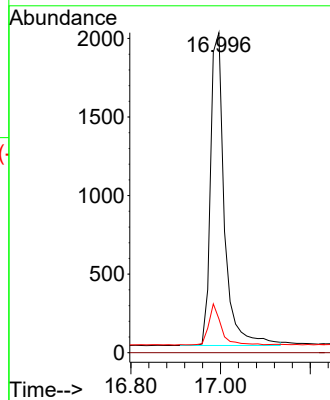
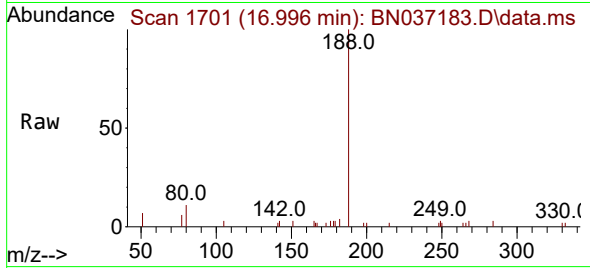




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

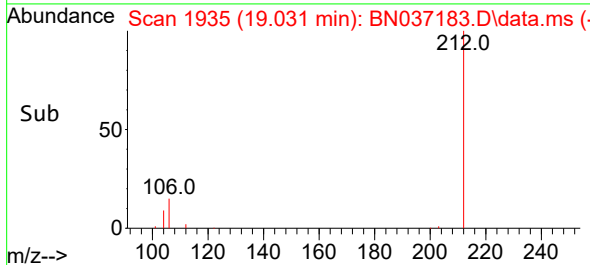
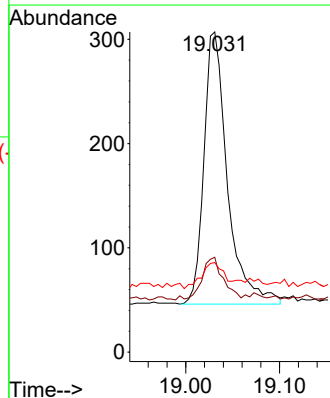
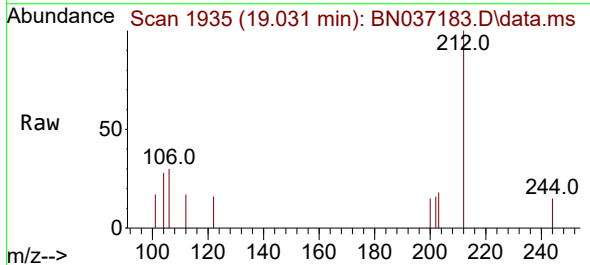
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

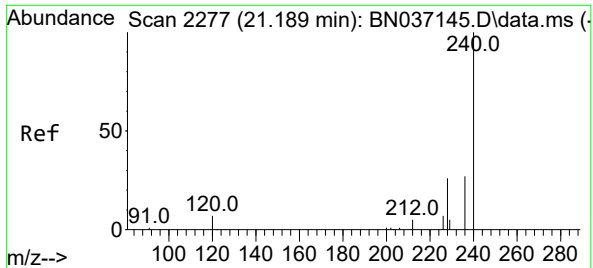
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	11.3	16.9#



#27
Fluoranthene-d10
Concen: 0.042 ng
RT: 19.031 min Scan# 1935
Delta R.T. 0.005 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.3	10.6	15.8
104	9.0	6.6	9.8

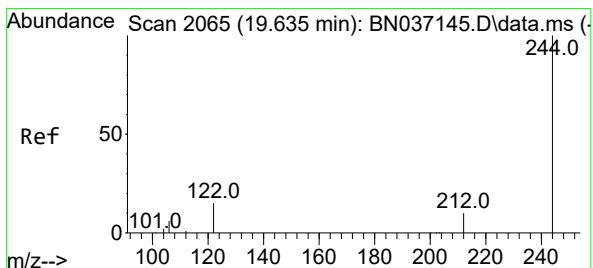
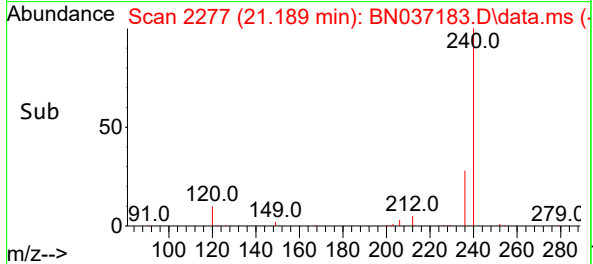
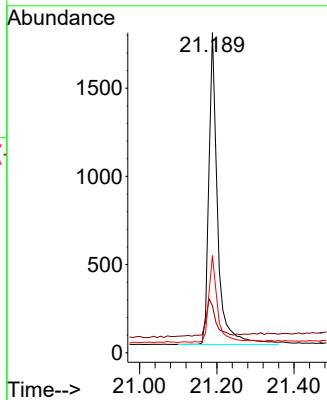
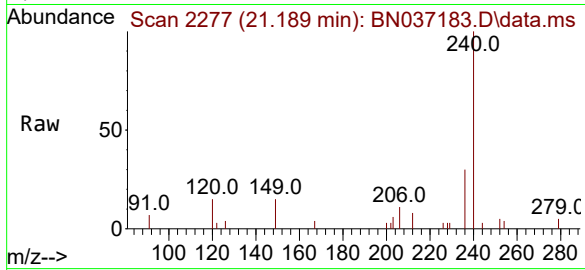




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

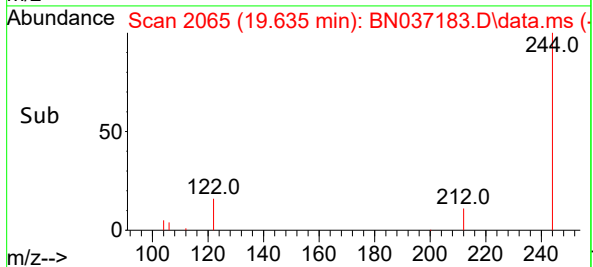
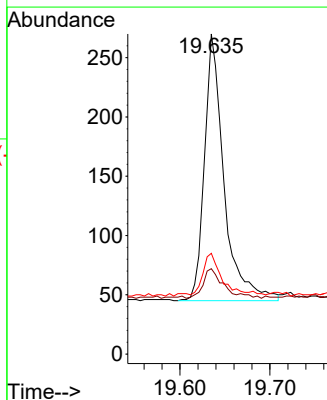
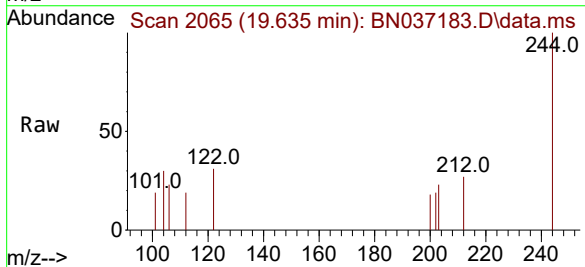
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

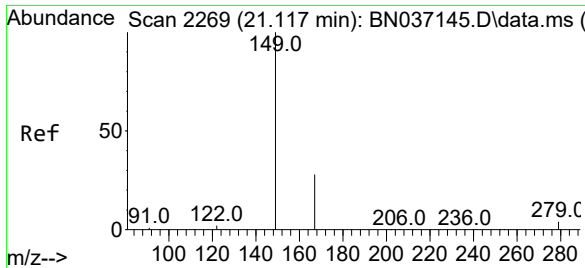
Tgt Ion:240 Resp: 2795
Ion Ratio Lower Upper
240 100
120 14.7 9.0 13.4#
236 30.4 23.0 34.4



#31
Terphenyl-d14
Concen: 0.052 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:244 Resp: 341
Ion Ratio Lower Upper
244 100
212 26.7 10.0 15.0#
122 31.5 13.2 19.8#

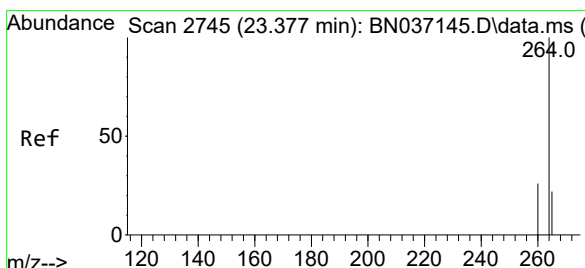
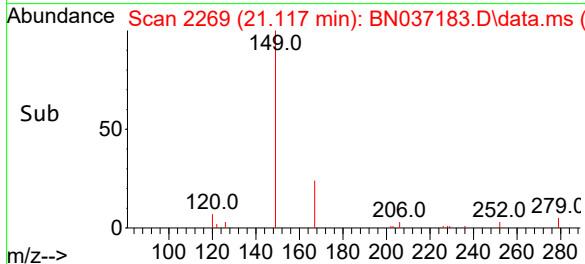
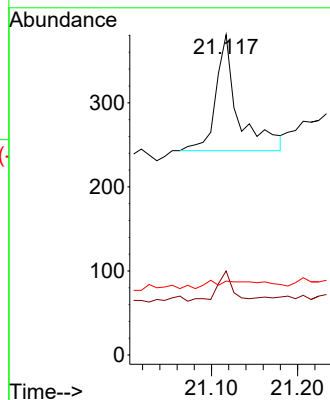
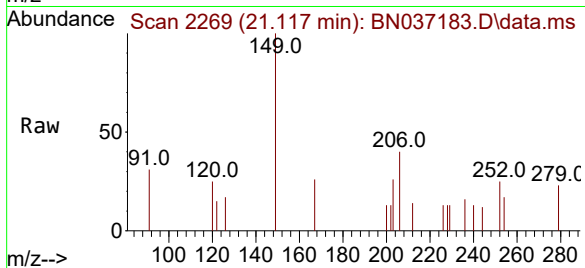




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.039 ng
RT: 21.117 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

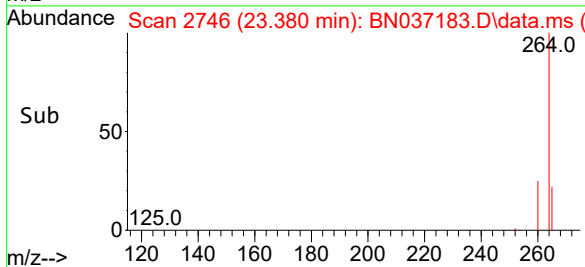
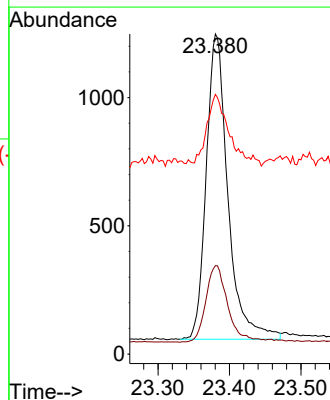
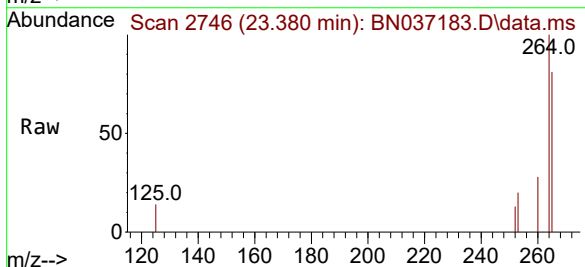
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

Tgt Ion:149 Resp: 247
Ion Ratio Lower Upper
149 100
167 12.6 21.0 31.4#
279 7.7 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 2746
Delta R.T. 0.003 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:264 Resp: 2507
Ion Ratio Lower Upper
264 100
260 27.6 22.1 33.1
265 81.1 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-03B-90-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-02	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
BN037178.D	1	06/04/25 11:46	06/05/25 13:20	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.40	E	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		30 (54) - 130 (175)	113%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1900	7.589			
1146-65-2	Naphthalene-d8	4870	10.372			
15067-26-2	Acenaphthene-d10	2510	14.235			
1517-22-2	Phenanthrene-d10	4280	16.984			
1719-03-5	Chrysene-d12	2890	21.189			
1520-96-3	Perylene-d12	2730	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037178.D
 Acq On : 05 Jun 2025 13:20
 Operator : RC/JU
 Sample : Q2200-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325

Quant Time: Jun 05 14:09:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

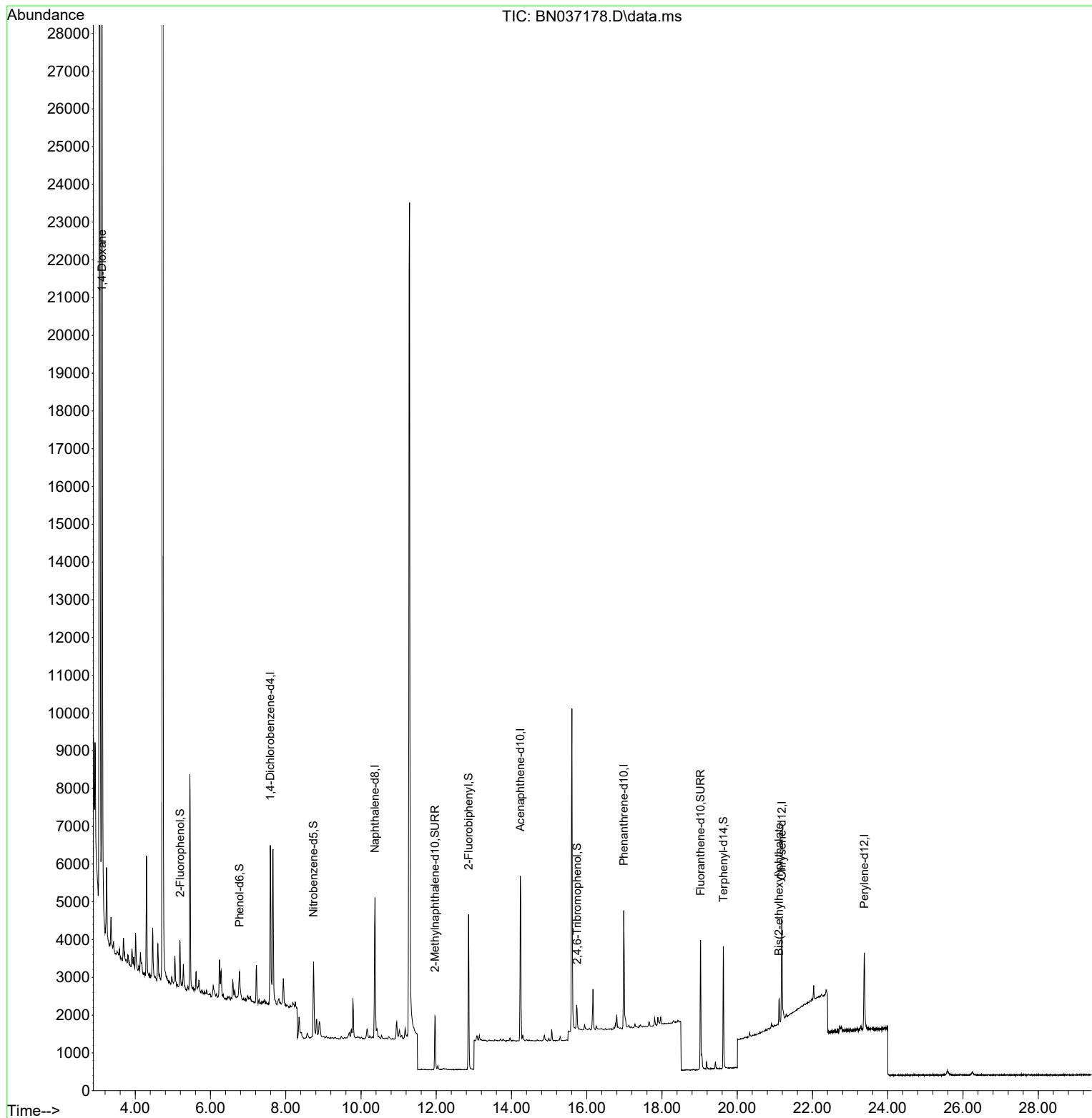
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1903	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4873	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2514	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4282	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2888	0.400	ng	0.00
35) Perylene-d12	23.377	264	2734	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	806	0.171	ng	0.00
5) Phenol-d6	6.773	99	603	0.106	ng	0.00
8) Nitrobenzene-d5	8.739	82	1605	0.312	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	1998	0.295	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	377	0.372	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3476	0.324	ng	0.00
27) Fluoranthene-d10	19.026	212	3980	0.366	ng	0.00
31) Terphenyl-d14	19.630	244	3083	0.454	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	15673	6.179	ng	96
34) Bis(2-ethylhexyl)phtha...	21.108	149	683	0.104	ng	# 98

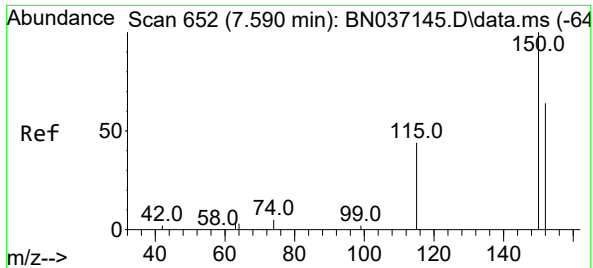
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037178.D
Acq On : 05 Jun 2025 13:20
Operator : RC/JU
Sample : Q2200-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

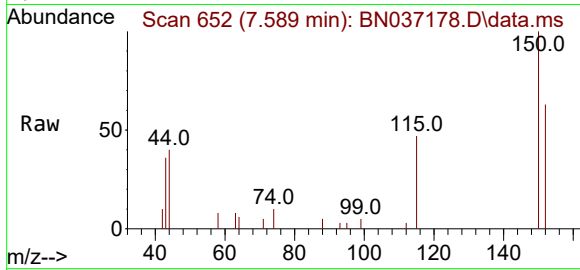
Quant Time: Jun 05 14:09:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



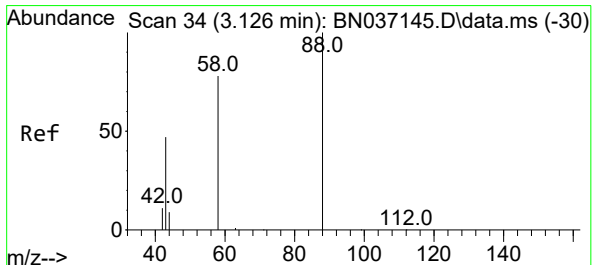
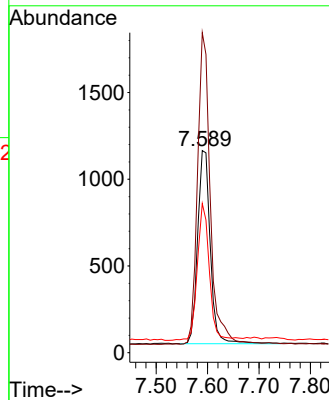
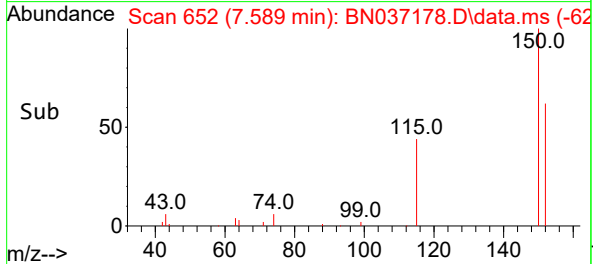


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

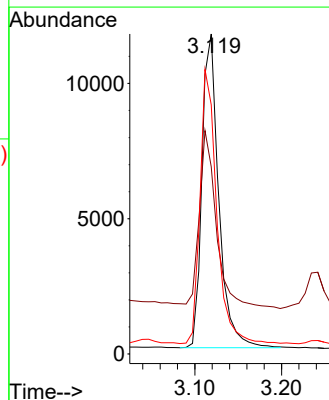
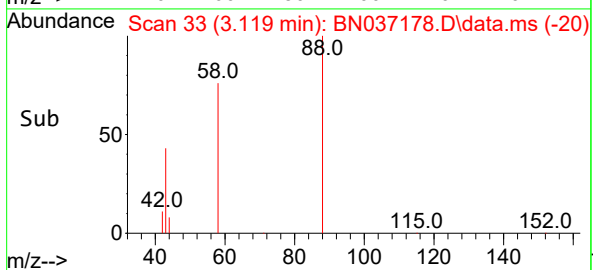
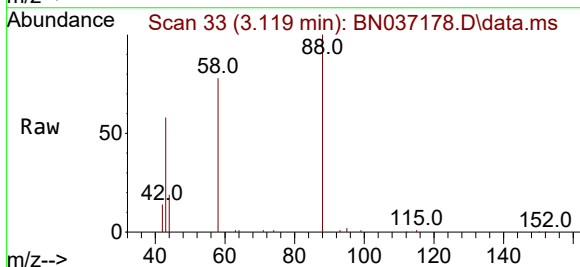


Tgt Ion:152 Resp: 1903
Ion Ratio Lower Upper
152 100
150 158.4 123.2 184.8
115 73.8 56.6 85.0

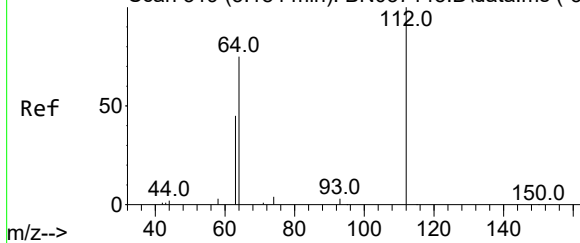


#2
1,4-Dioxane
Concen: 6.179 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

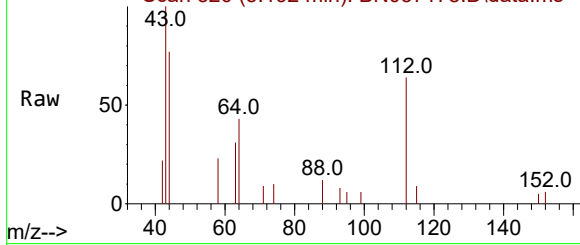
Tgt Ion: 88 Resp: 15673
Ion Ratio Lower Upper
88 100
43 58.2 43.5 65.3
58 86.8 67.7 101.5



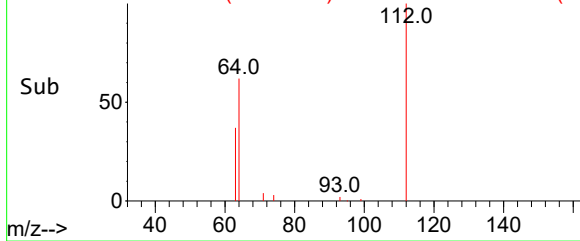
Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



Abundance Scan 320 (5.192 min): BN037178.D\data.ms



Abundance Scan 320 (5.192 min): BN037178.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.192 min Scan# 319

Delta R.T. 0.007 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325

Tgt Ion:112 Resp: 806

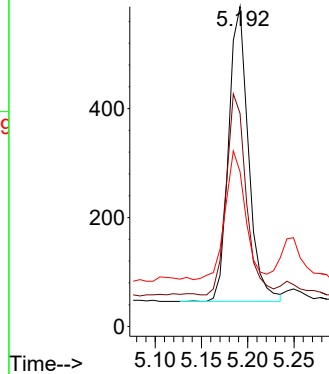
Ion Ratio Lower Upper

112 100

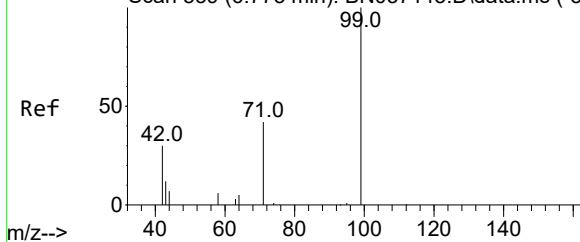
64 69.1 56.3 84.5

63 45.2 36.2 54.4

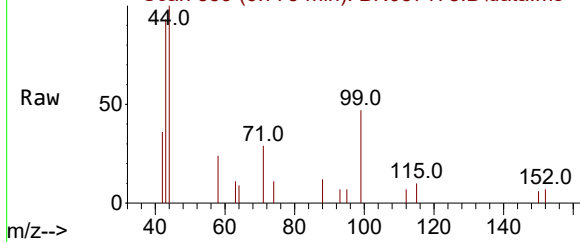
Abundance



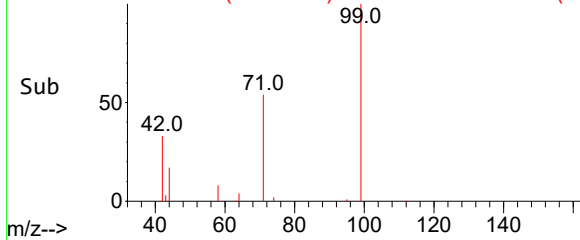
Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



Abundance Scan 539 (6.773 min): BN037178.D\data.ms



Abundance Scan 539 (6.773 min): BN037178.D\data.ms (-51



#5

Phenol-d6

Concen: 0.106 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Tgt Ion: 99 Resp: 603

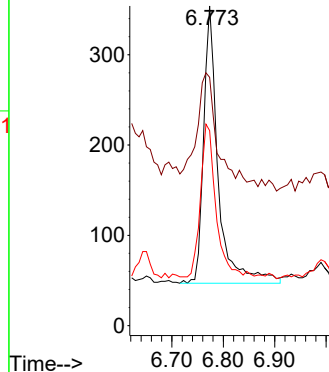
Ion Ratio Lower Upper

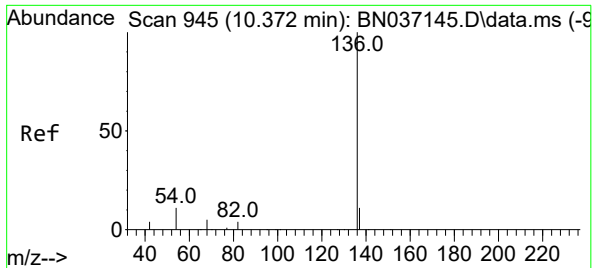
99 100

42 59.4 31.3 46.9#

71 58.2 38.2 57.2#

Abundance

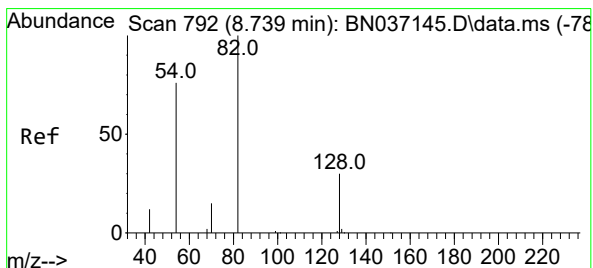
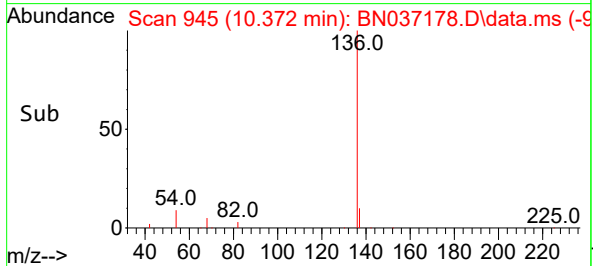
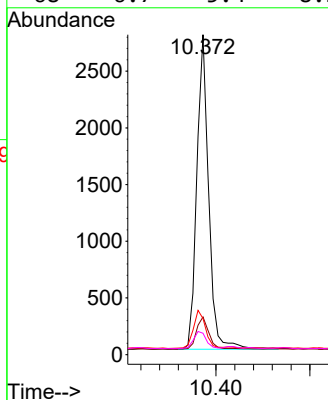
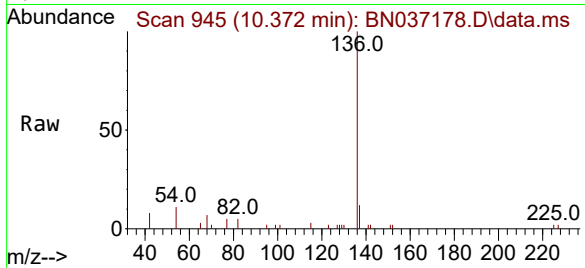




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

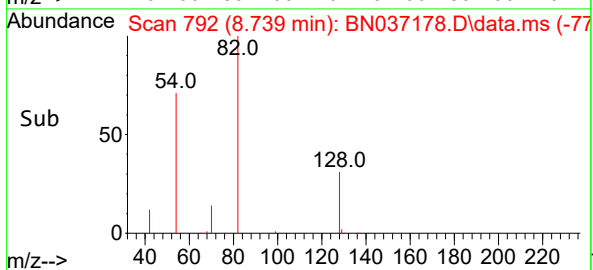
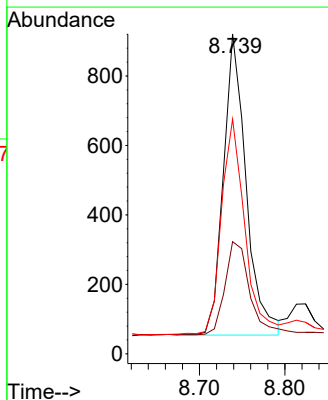
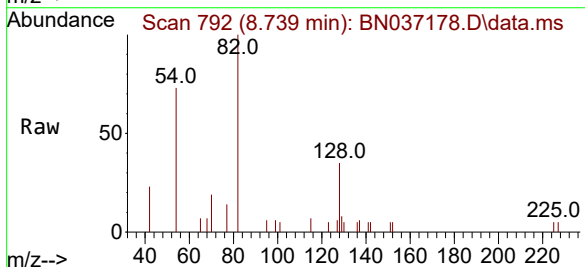
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

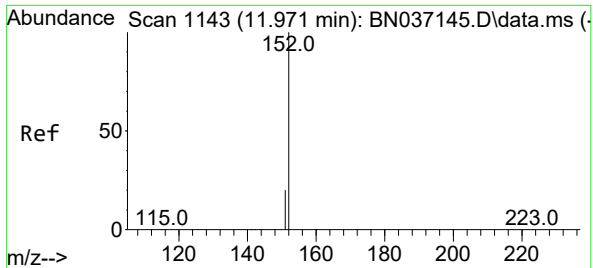
Tgt Ion:	136	Resp:	4873
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	11.3	9.7	14.5
68	6.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:	82	Resp:	1605
Ion	Ratio	Lower	Upper
82	100		
128	35.1	26.9	40.3
54	73.4	61.4	92.2

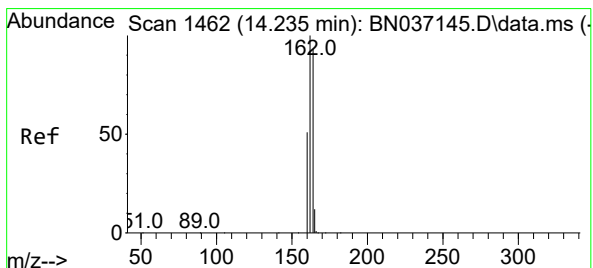
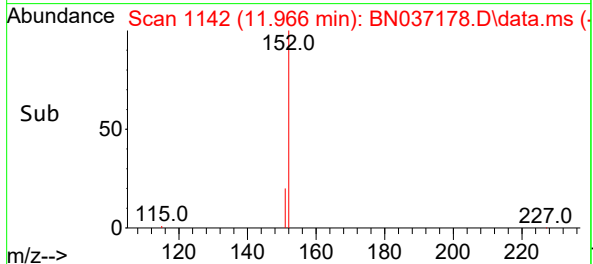
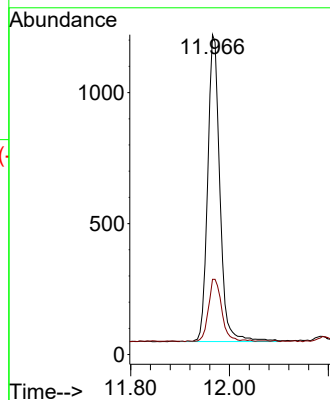
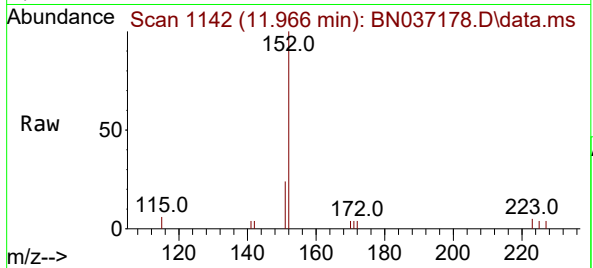




#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

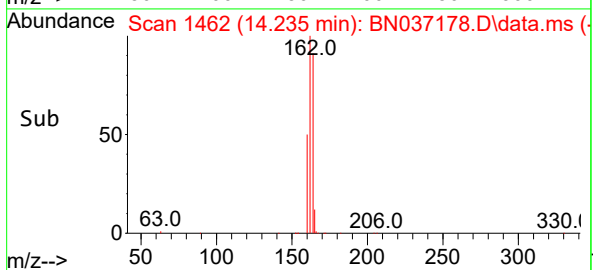
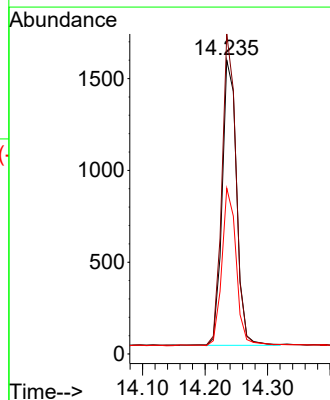
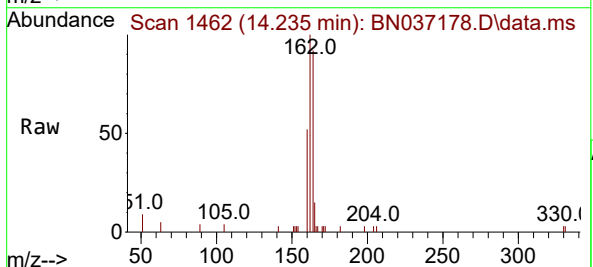
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

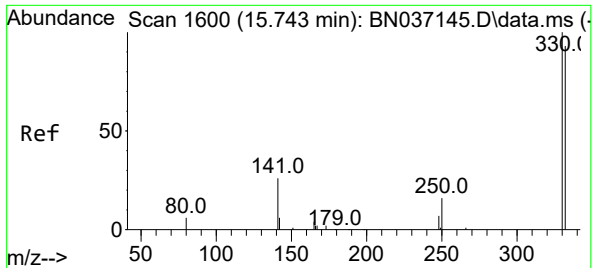
Tgt Ion:152 Resp: 1998
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:164 Resp: 2514
Ion Ratio Lower Upper
164 100
162 108.9 85.5 128.3
160 56.4 44.6 67.0

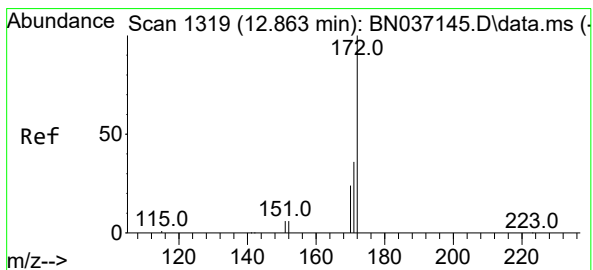
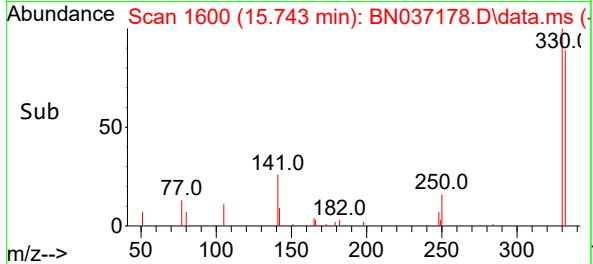
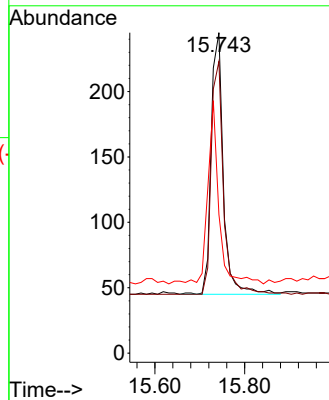
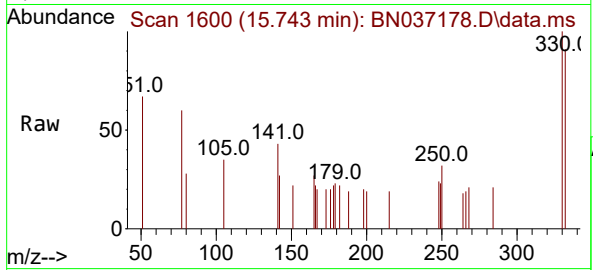




#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

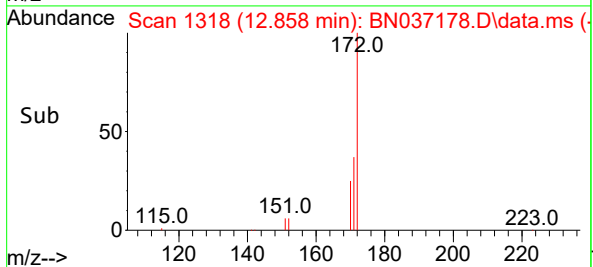
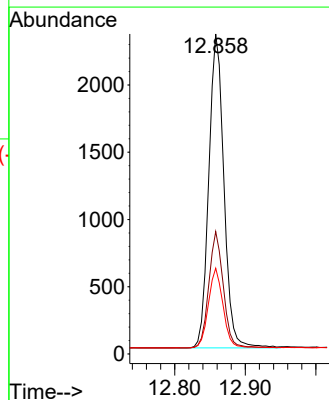
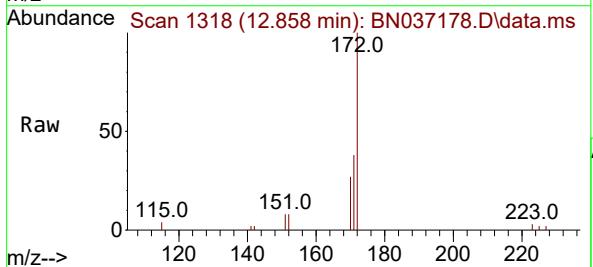
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

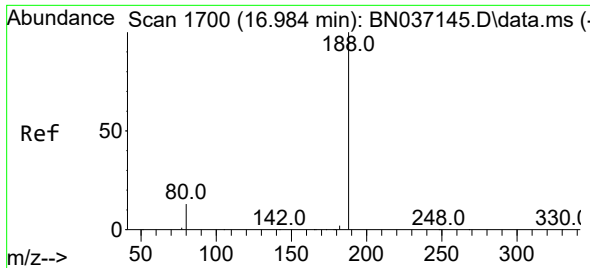
Tgt Ion:330 Resp: 377
Ion Ratio Lower Upper
330 100
332 89.4 77.1 115.7
141 62.6 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:172 Resp: 3476
Ion Ratio Lower Upper
172 100
171 38.3 29.6 44.4
170 26.8 20.3 30.5

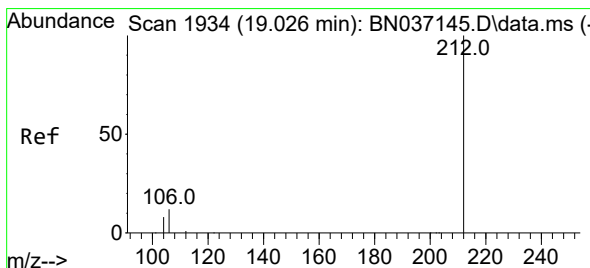
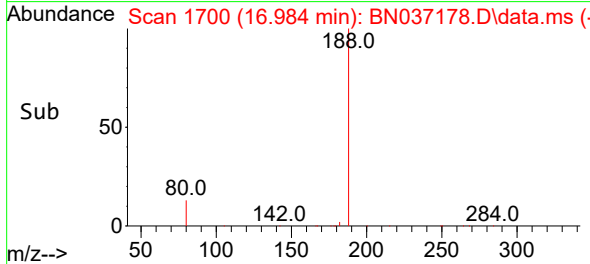
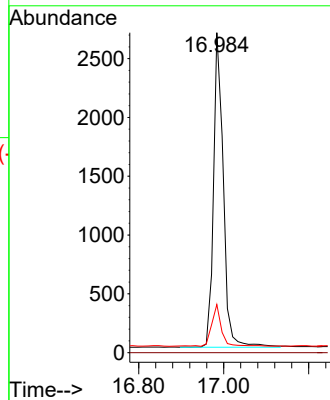
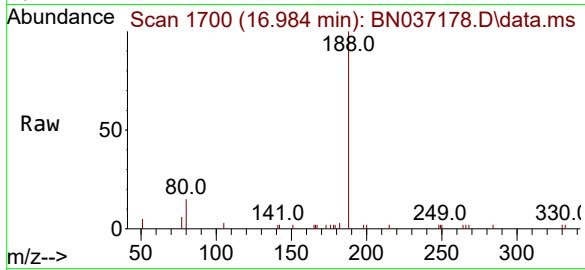




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

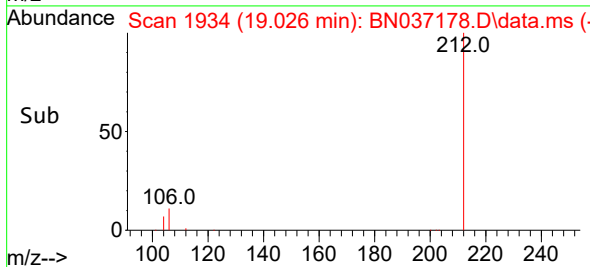
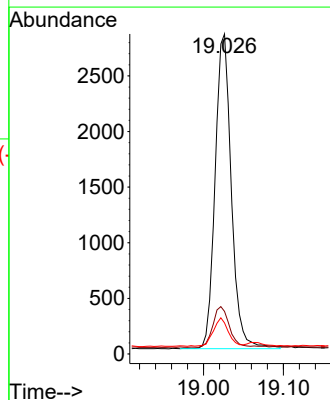
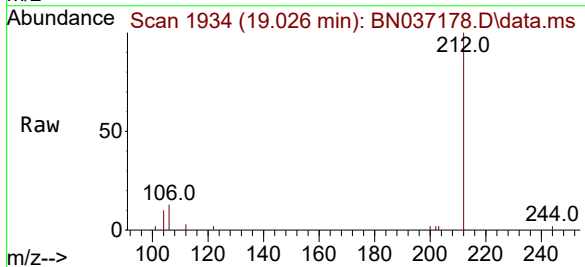
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

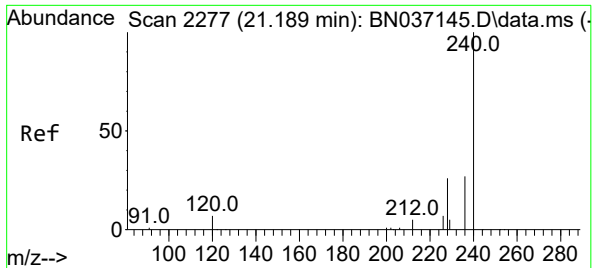
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.0	11.3	16.9



#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.2	10.6	15.8
104	8.2	6.6	9.8

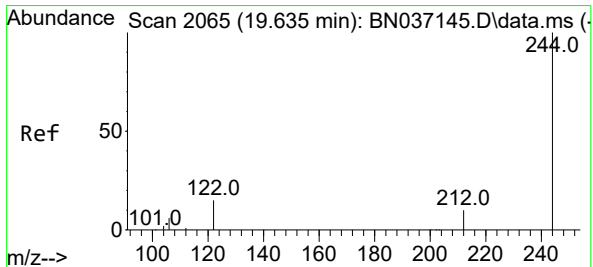
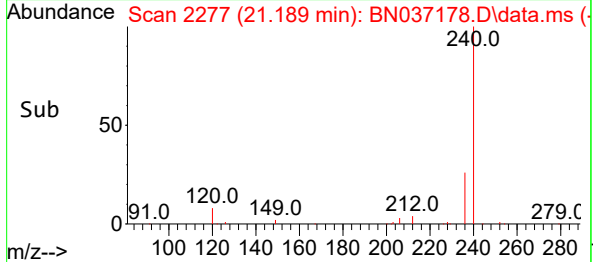
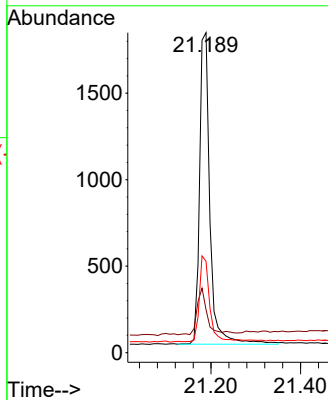
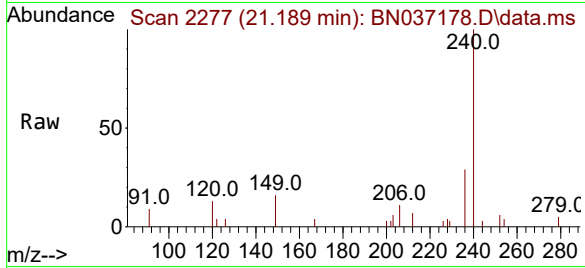




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

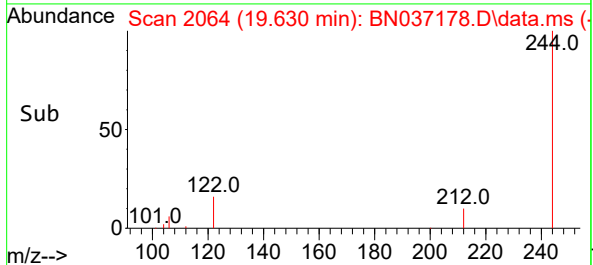
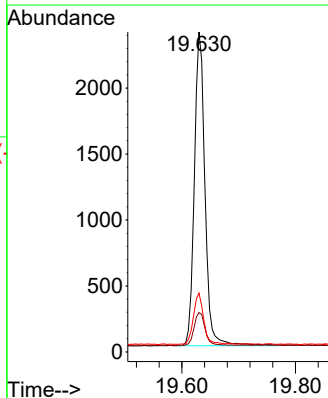
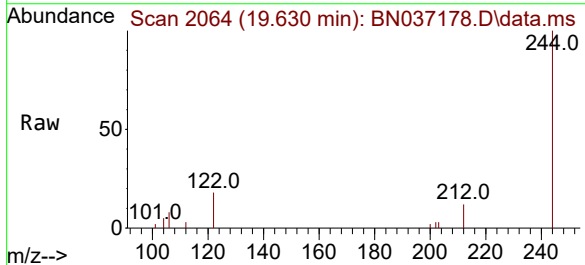
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

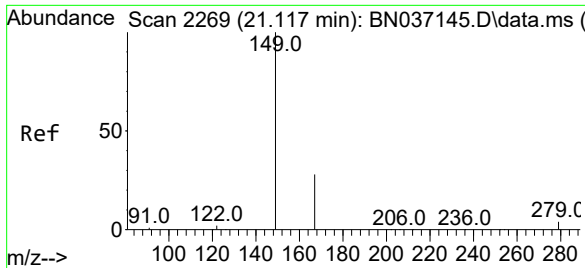
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.0	13.4
236	28.5	23.0	34.4



#31
Terphenyl-d14
Concen: 0.454 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.3	10.0	15.0
122	18.4	13.2	19.8

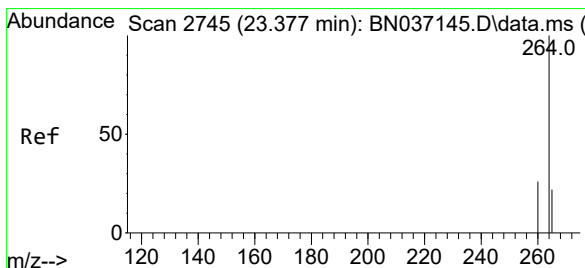
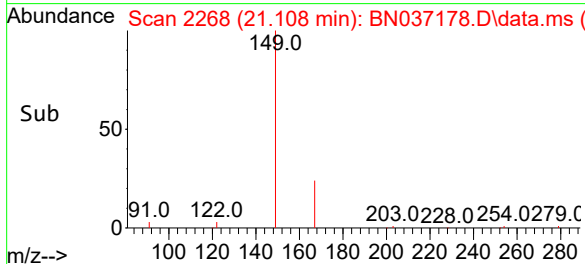
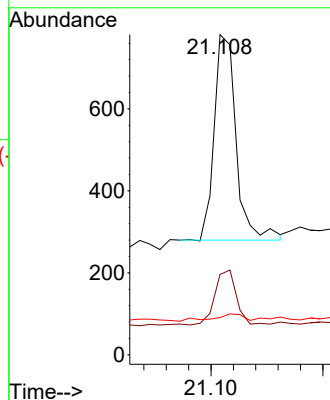
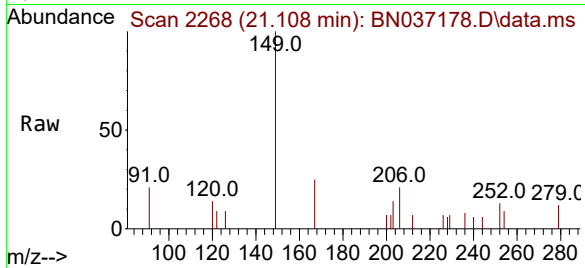




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.104 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

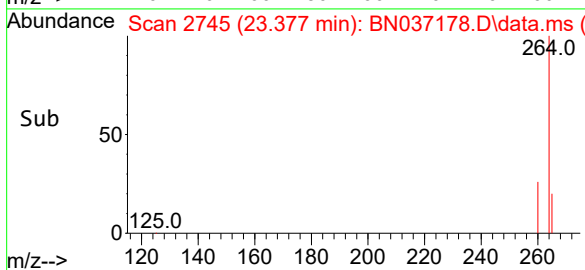
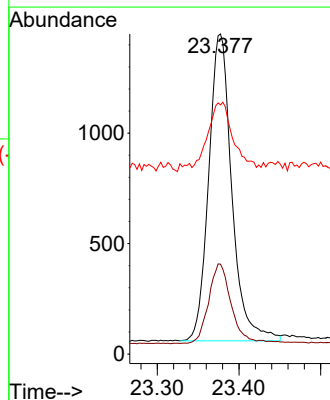
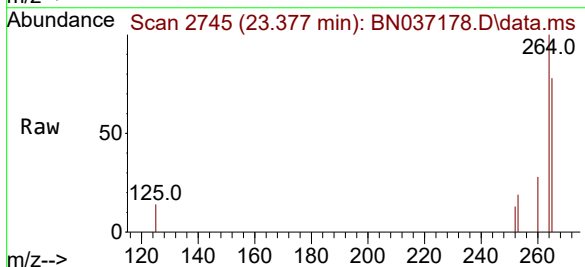
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

Tgt Ion:149 Resp: 683
Ion Ratio Lower Upper
149 100
167 25.6 21.0 31.4
279 6.0 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:264 Resp: 2734
Ion Ratio Lower Upper
264 100
260 28.1 22.1 33.1
265 77.8 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-03B-90-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-02DL	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
BN037184.D	2	06/04/25 11:46	06/05/25 17:33	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.40	D	0.14	0.42	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.24		30 (20) - 150 (139)	60%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 (54) - 150 (157)	72%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		30 (27) - 130 (154)	60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		30 (30) - 130 (155)	65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (175)	97%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1830	7.59			
1146-65-2	Naphthalene-d8	4770	10.372			
15067-26-2	Acenaphthene-d10	2650	14.235			
1517-22-2	Phenanthrene-d10	4720	16.984			
1719-03-5	Chrysene-d12	2950	21.189			
1520-96-3	Perylene-d12	2770	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037184.D
 Acq On : 05 Jun 2025 17:33
 Operator : RC/JU
 Sample : Q2200-02DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325DL

Quant Time: Jun 05 18:03:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

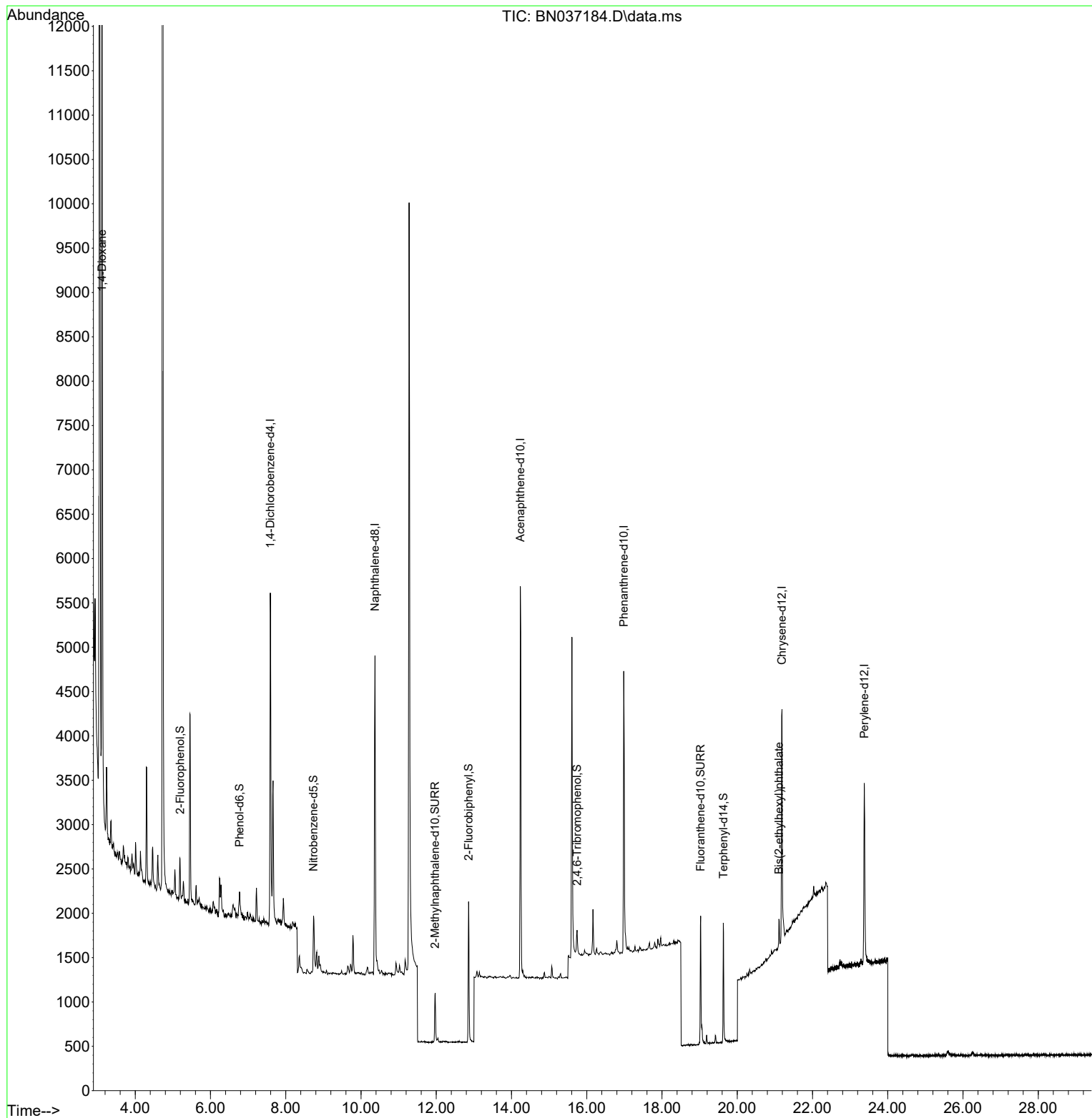
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	1825	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4774	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2649	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4719	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2954	0.400	ng	0.00
35) Perylene-d12	23.377	264	2771	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	325	0.072	ng	0.00
5) Phenol-d6	6.773	99	225	0.041	ng	0.00
8) Nitrobenzene-d5	8.739	82	600	0.119	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	804	0.121	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	171	0.160	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	1483	0.131	ng	0.00
27) Fluoranthene-d10	19.026	212	1738	0.145	ng	0.00
31) Terphenyl-d14	19.630	244	1348	0.194	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	6264	2.575	ng	96
34) Bis(2-ethylhexyl)phtha...	21.108	149	386	0.057	ng	# 90

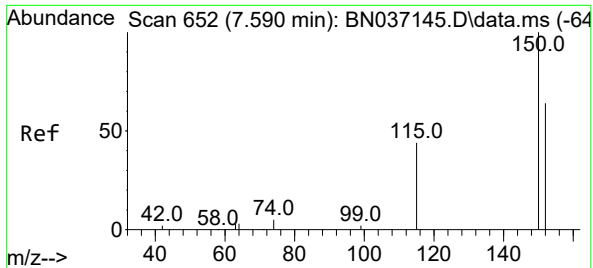
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037184.D
Acq On : 05 Jun 2025 17:33
Operator : RC/JU
Sample : Q2200-02DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

Quant Time: Jun 05 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

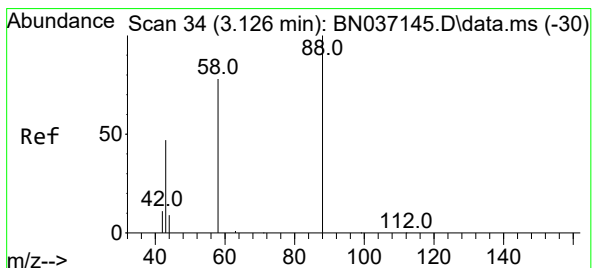
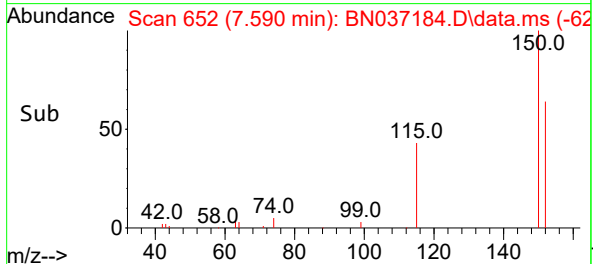
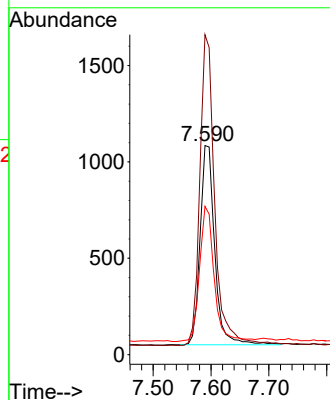
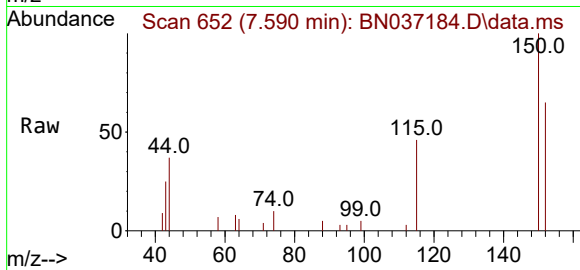




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

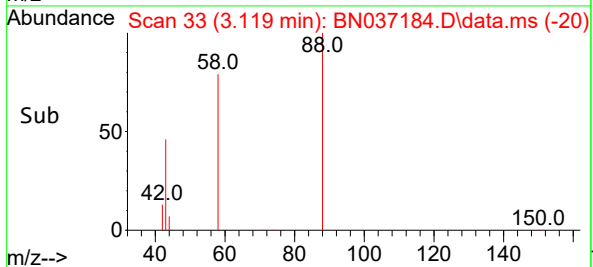
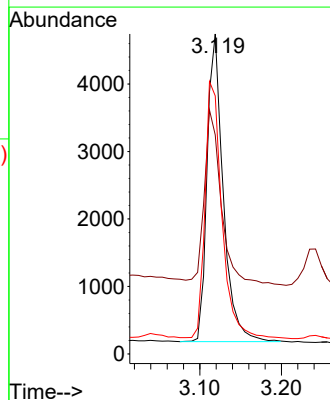
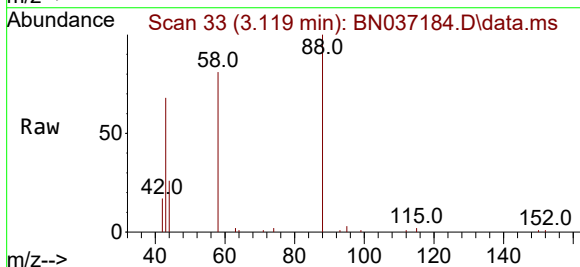
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

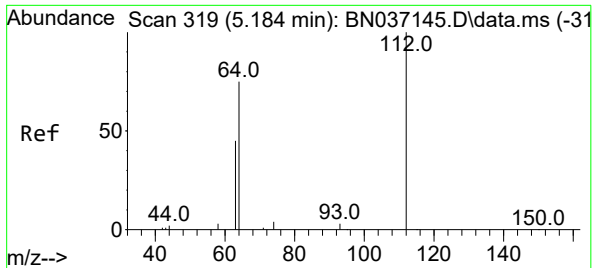
Tgt Ion	152	Resp	1825
Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.2	184.8
115	70.9	56.6	85.0



#2
1,4-Dioxane
Concen: 2.575 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion	88	Resp	6264
Ion	Ratio	Lower	Upper
88	100		
43	59.3	43.5	65.3
58	87.0	67.7	101.5

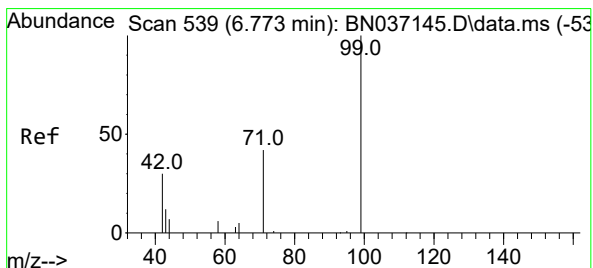
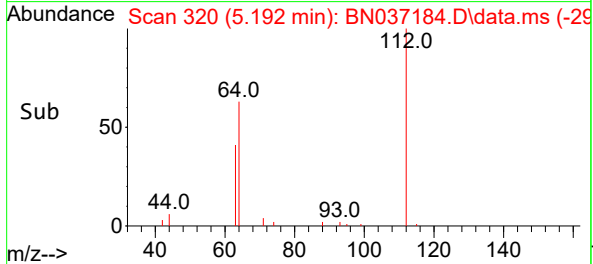
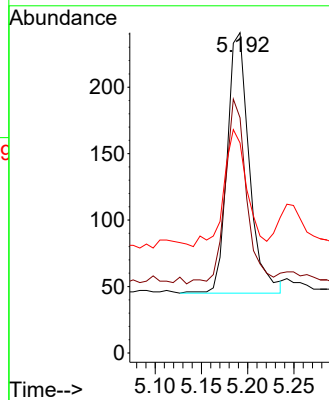
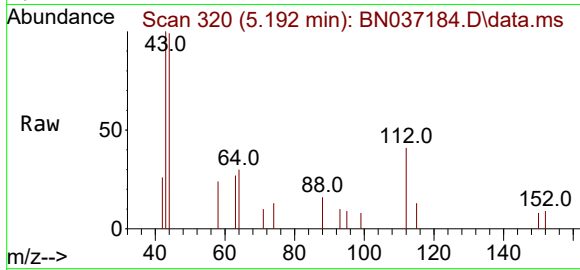




#4
2-Fluorophenol
Concen: 0.072 ng
RT: 5.192 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

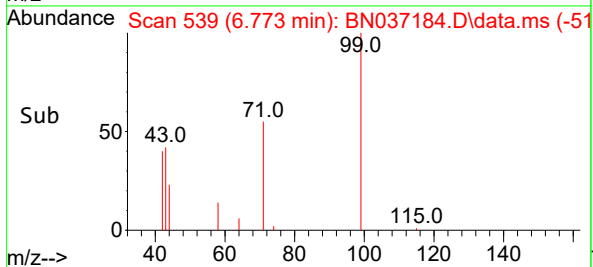
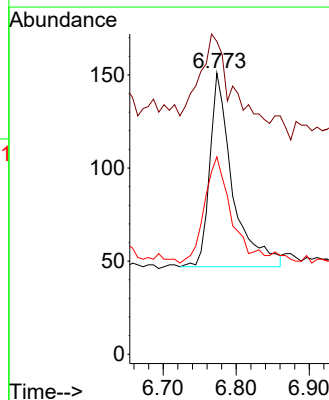
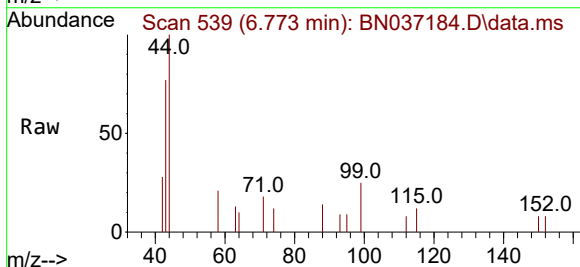
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

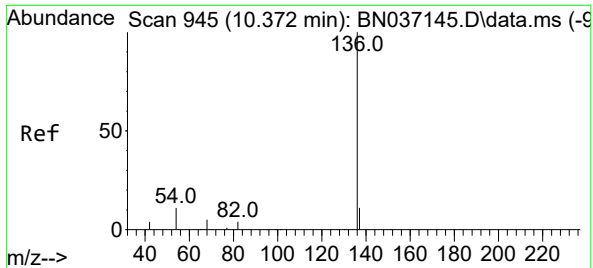
Tgt Ion:112 Resp: 325
Ion Ratio Lower Upper
112 100
64 68.3 56.3 84.5
63 48.0 36.2 54.4



#5
Phenol-d6
Concen: 0.041 ng
RT: 6.773 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion: 99 Resp: 225
Ion Ratio Lower Upper
99 100
42 63.1 31.3 46.9#
71 64.9 38.2 57.2#

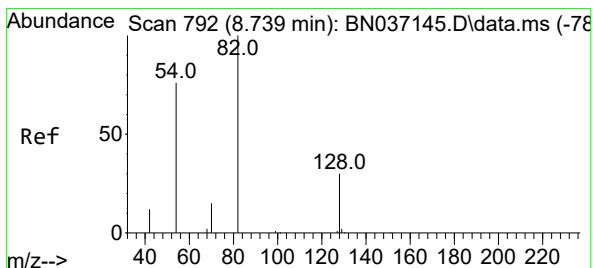
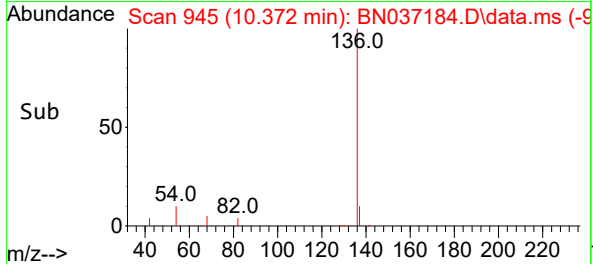
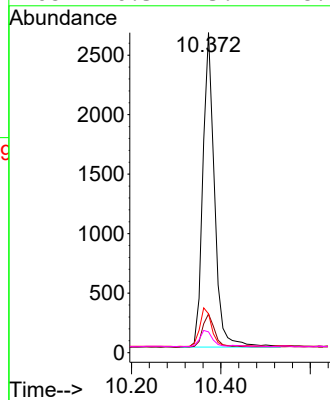
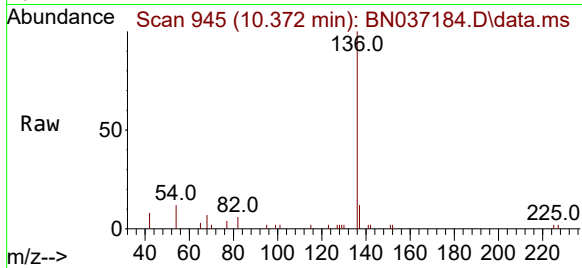




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

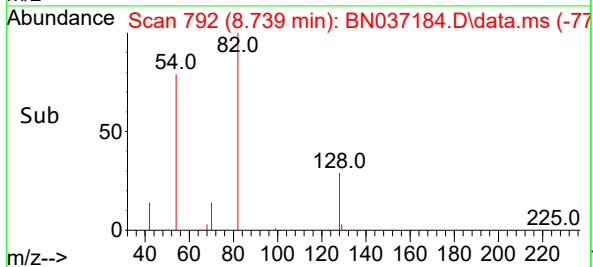
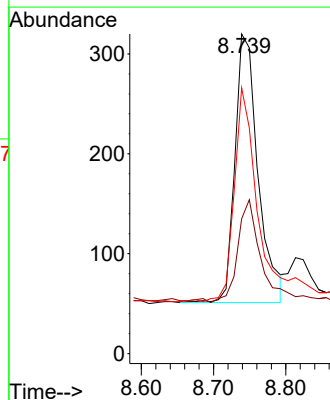
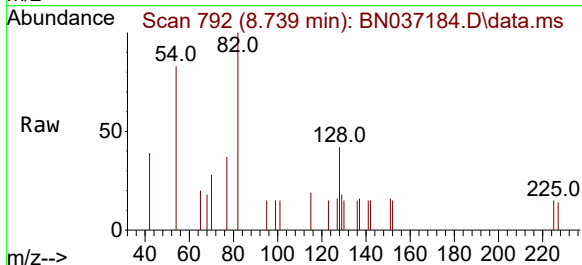
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

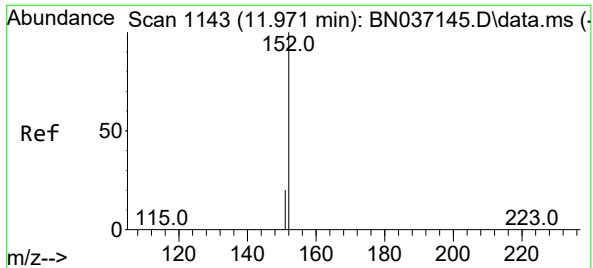
Tgt Ion:	136	Resp:	4774
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	12.2	9.7	14.5
68	6.5	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.119 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:	82	Resp:	600
Ion	Ratio	Lower	Upper
82	100		
128	42.2	26.9	40.3#
54	83.1	61.4	92.2

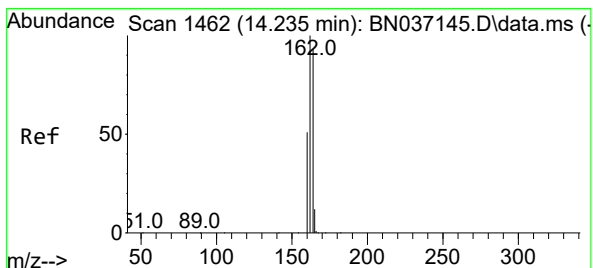
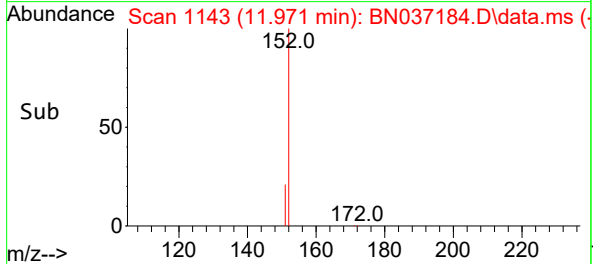
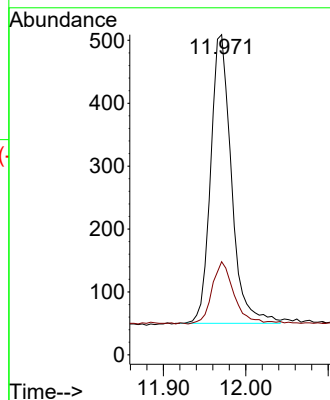
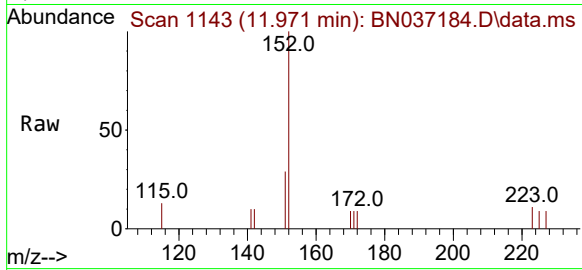




#11
2-Methylnaphthalene-d10
Concen: 0.121 ng
RT: 11.971 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

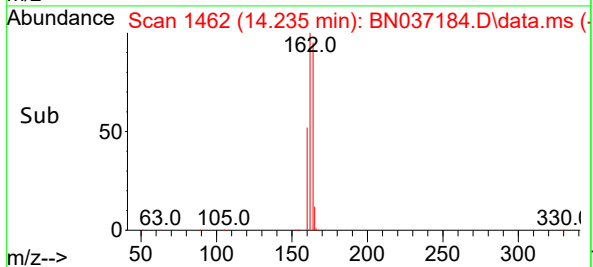
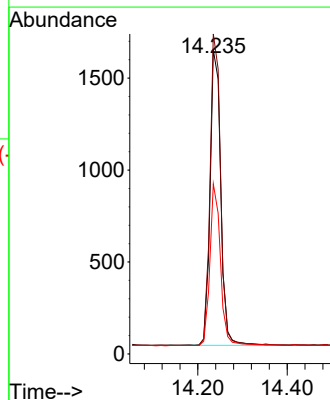
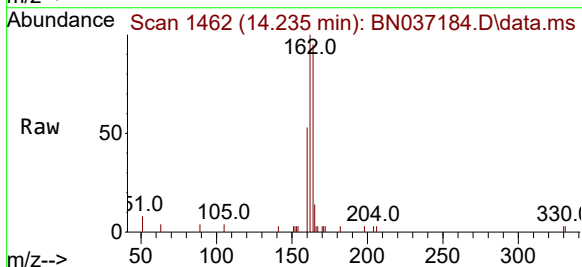
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

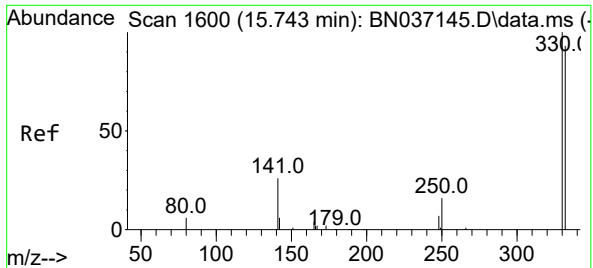
Tgt Ion:152 Resp: 804
Ion Ratio Lower Upper
152 100
151 22.8 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:164 Resp: 2649
Ion Ratio Lower Upper
164 100
162 105.3 85.5 128.3
160 56.0 44.6 67.0

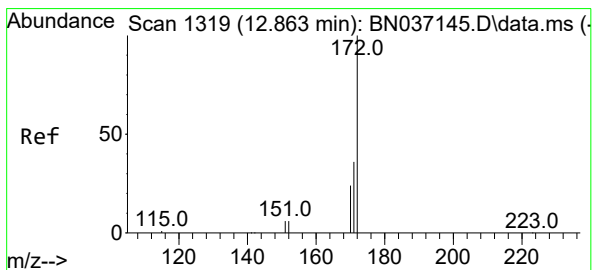
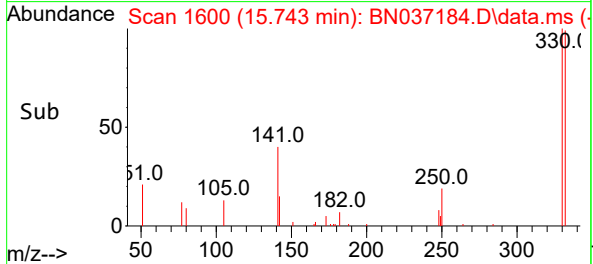
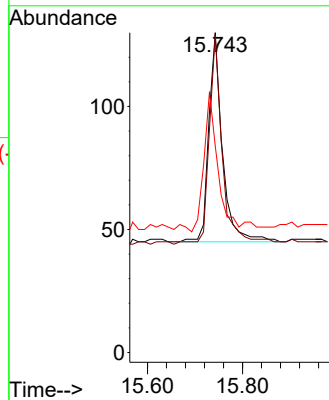
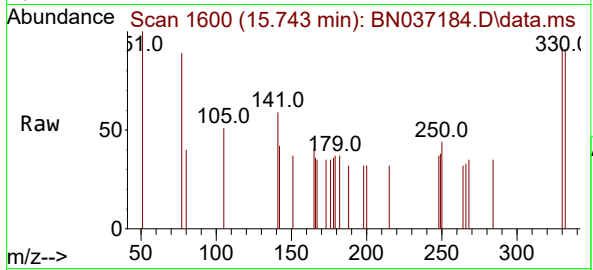




#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 15.743 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

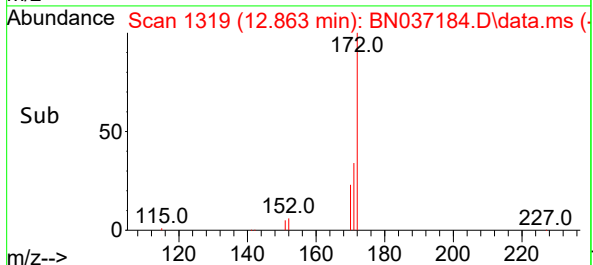
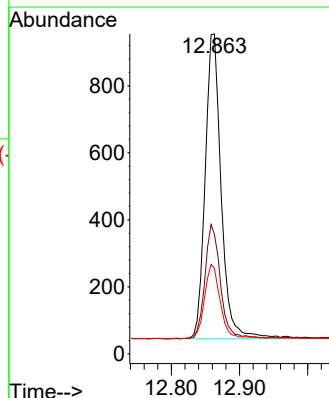
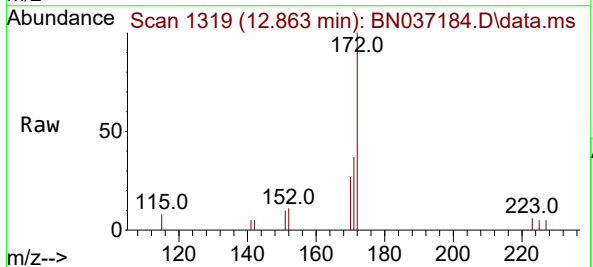
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

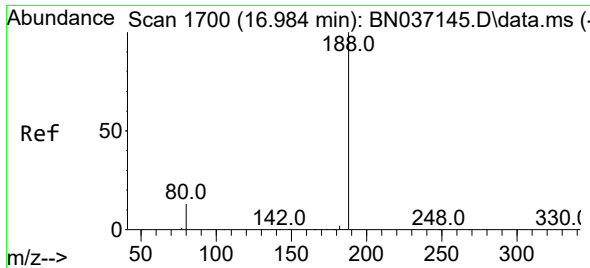
Tgt Ion:330 Resp: 171
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 71.9 46.4 69.6#



#15
2-Fluorobiphenyl
Concen: 0.131 ng
RT: 12.863 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:172 Resp: 1483
Ion Ratio Lower Upper
172 100
171 37.3 29.6 44.4
170 26.7 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037184.D

Acq: 05 Jun 2025 17:33

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325DL

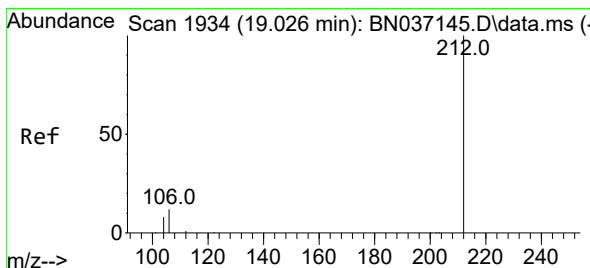
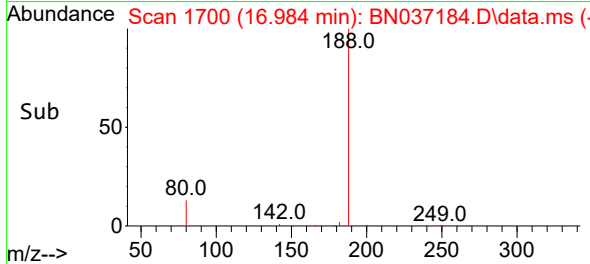
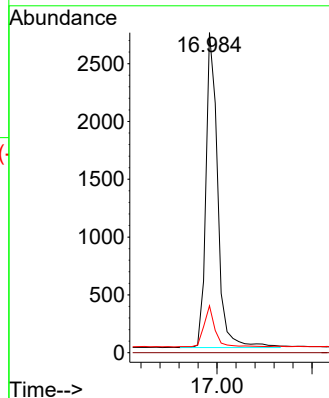
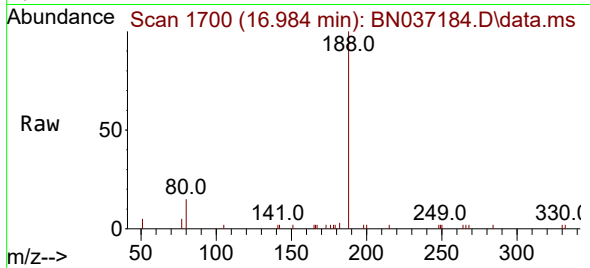
Tgt Ion:188 Resp: 4719

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.6 11.3 16.9



#27

Fluoranthene-d10

Concen: 0.145 ng

RT: 19.026 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BN037184.D

Acq: 05 Jun 2025 17:33

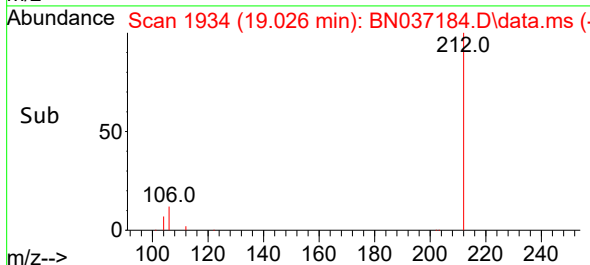
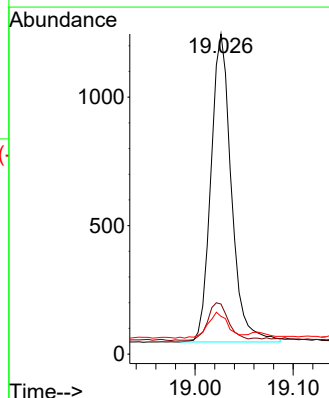
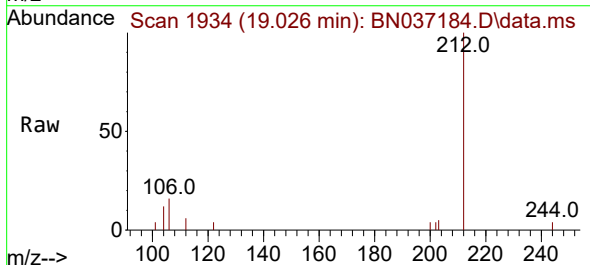
Tgt Ion:212 Resp: 1738

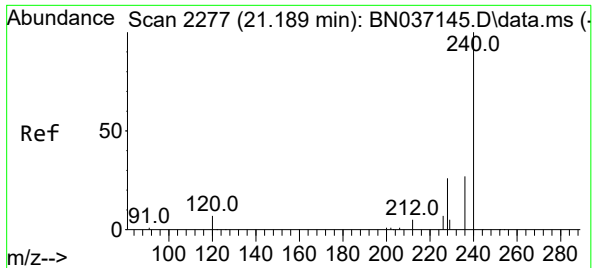
Ion Ratio Lower Upper

212 100

106 12.4 10.6 15.8

104 8.3 6.6 9.8

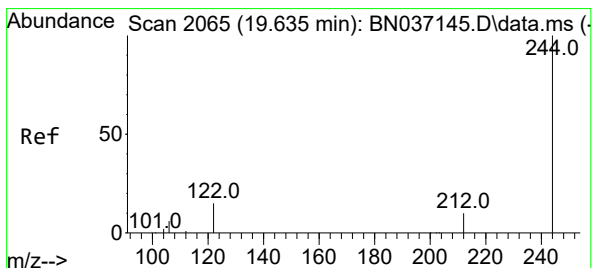
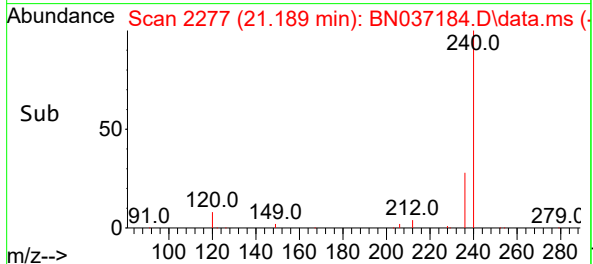
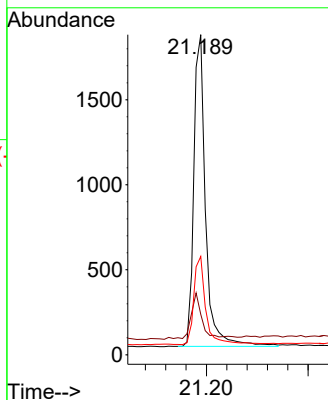
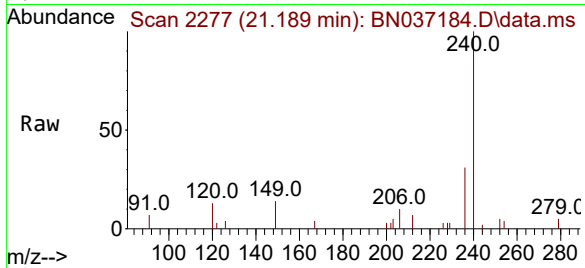




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 21189
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

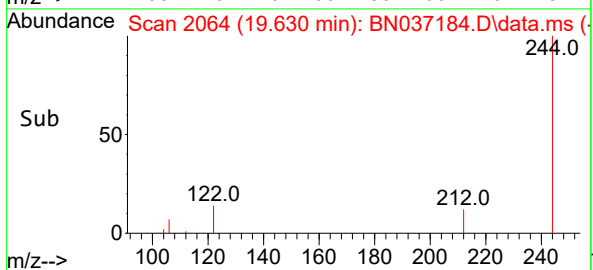
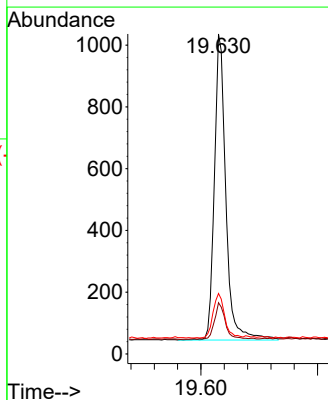
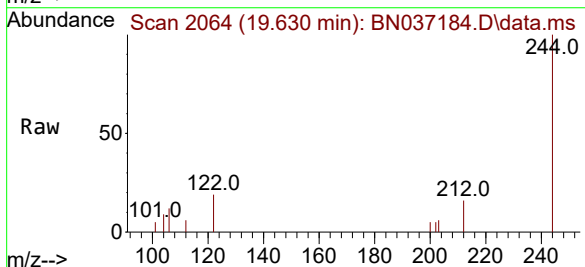
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

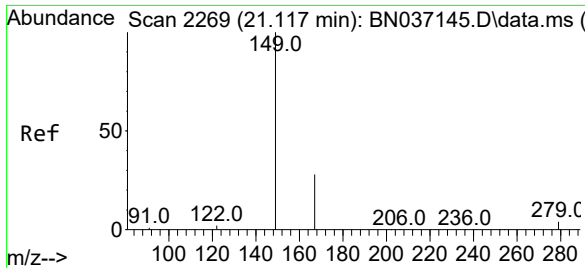
Tgt Ion:240 Resp: 2954
Ion Ratio Lower Upper
240 100
120 12.6 9.0 13.4
236 30.7 23.0 34.4



#31
Terphenyl-d14
Concen: 0.194 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:244 Resp: 1348
Ion Ratio Lower Upper
244 100
212 16.0 10.0 15.0#
122 18.9 13.2 19.8

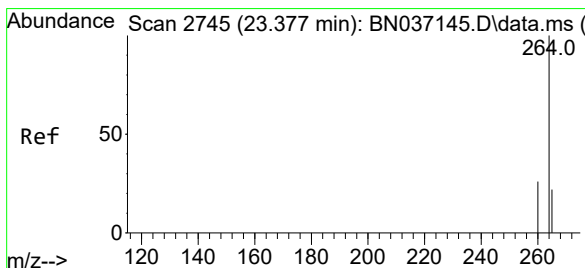
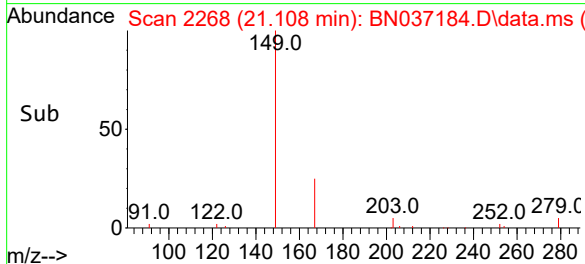
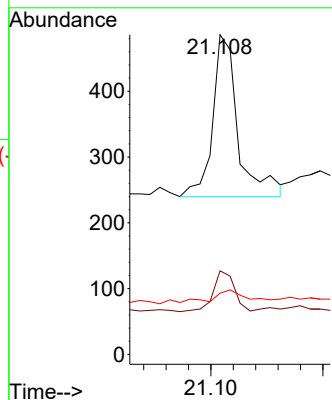
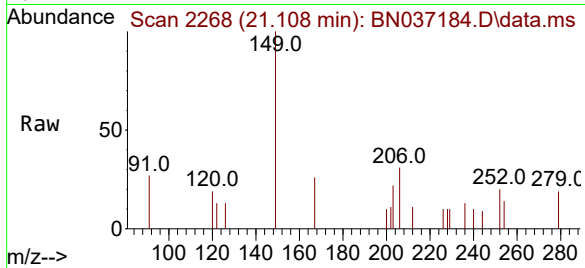




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.057 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

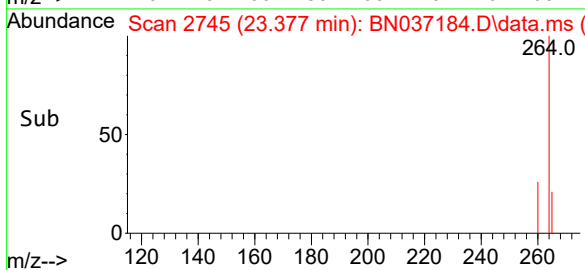
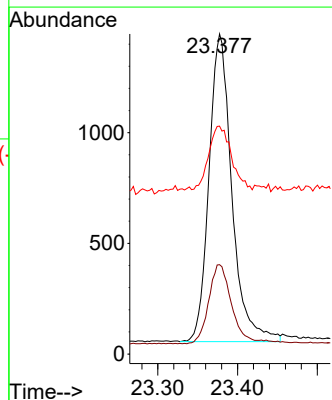
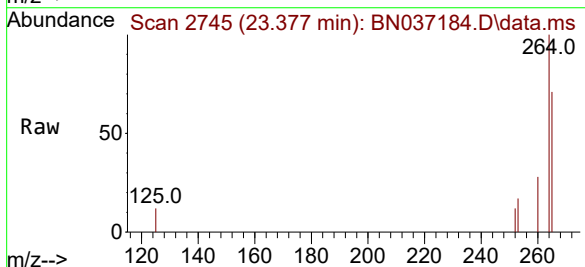
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

Tgt Ion:149 Resp: 386
Ion Ratio Lower Upper
149 100
167 21.5 21.0 31.4
279 9.6 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:264 Resp: 2771
Ion Ratio Lower Upper
264 100
260 27.9 22.1 33.1
265 71.2 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	EB01-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	910 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
BN037179.D	1	06/04/25 11:46	06/05/25 13:56	PB168286

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	0.29		30 (20) - 150 (139)	73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (54) - 150 (157)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (30) - 130 (155)	77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		30 (54) - 130 (175)	108%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1770	7.589			
1146-65-2	Naphthalene-d8	4600	10.372			
15067-26-2	Acenaphthene-d10	2430	14.234			
1517-22-2	Phenanthrene-d10	4340	16.984			
1719-03-5	Chrysene-d12	2780	21.188			
1520-96-3	Perylene-d12	2500	23.38			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037179.D
 Acq On : 05 Jun 2025 13:56
 Operator : RC/JU
 Sample : Q2200-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-060325

Quant Time: Jun 05 14:28:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

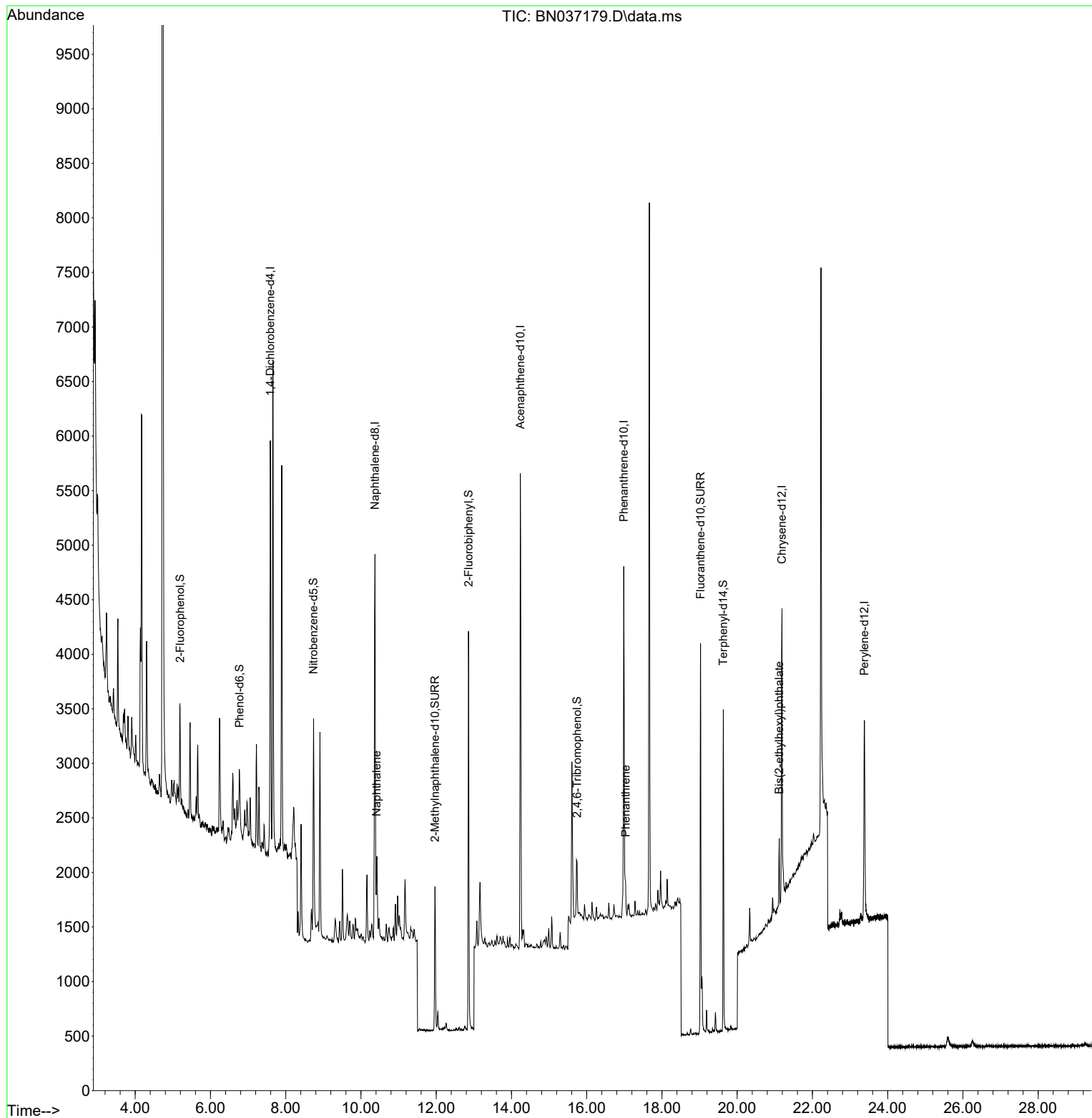
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1771	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4597	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2434	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4339	0.400	ng	0.00
29) Chrysene-d12	21.188	240	2778	0.400	ng	0.00
35) Perylene-d12	23.380	264	2502	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	666	0.152	ng	0.00
5) Phenol-d6	6.773	99	474	0.089	ng	0.00
8) Nitrobenzene-d5	8.739	82	1529	0.315	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	1866	0.292	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	337	0.344	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3182	0.307	ng	0.00
27) Fluoranthene-d10	19.026	212	4011	0.364	ng	0.00
31) Terphenyl-d14	19.630	244	2812	0.430	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.415	128	413	0.031	ng	# 63
25) Phenanthrene	17.033	178	335	0.024	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.117	149	601	0.095	ng	98

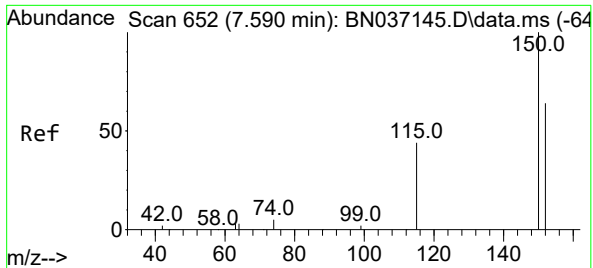
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037179.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : Q2200-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-060325

Quant Time: Jun 05 14:28:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

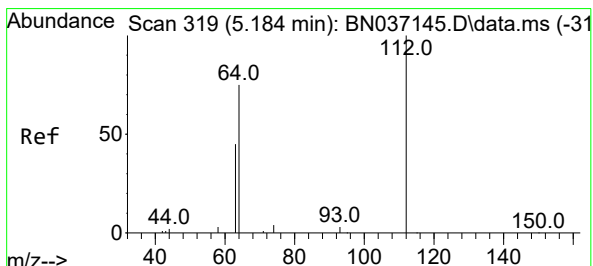
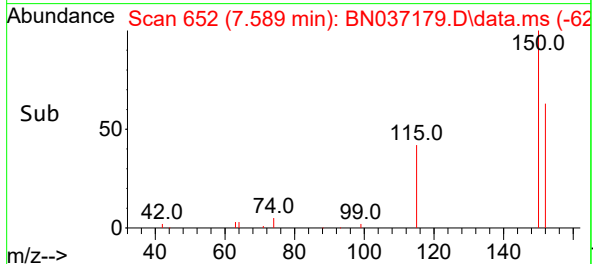
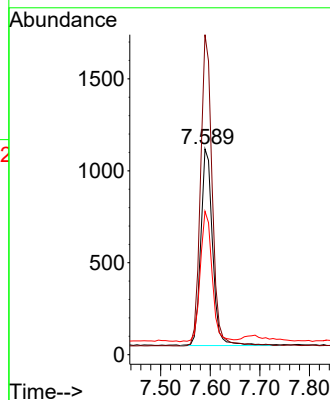
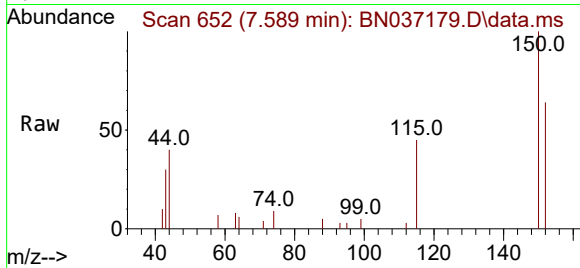




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

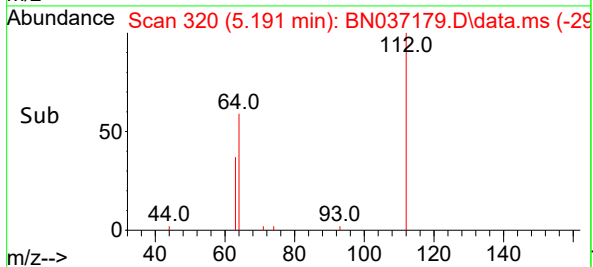
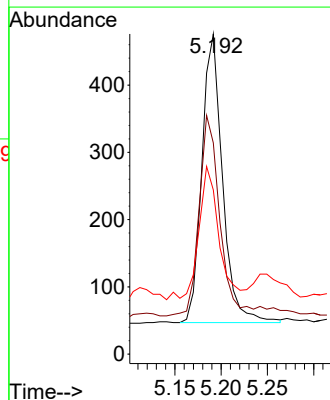
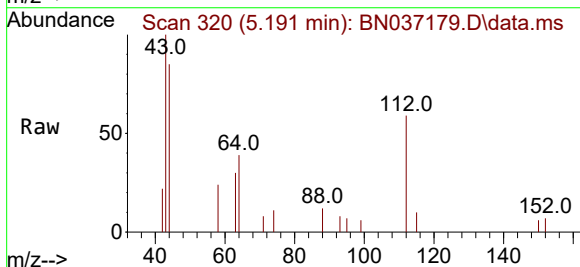
Instrument :
BNA_N
ClientSampleId :
EB01-060325

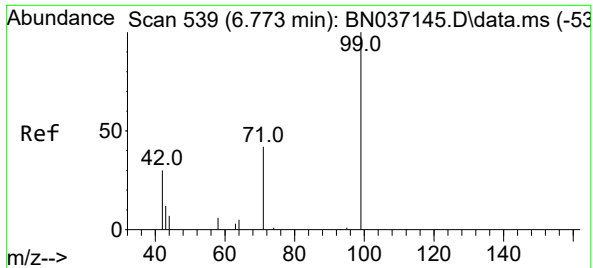
Tgt Ion:152 Resp: 1771
Ion Ratio Lower Upper
152 100
150 155.5 123.2 184.8
115 69.7 56.6 85.0



#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.191 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion:112 Resp: 666
Ion Ratio Lower Upper
112 100
64 68.8 56.3 84.5
63 44.6 36.2 54.4

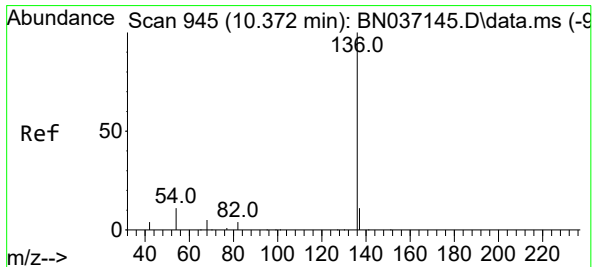
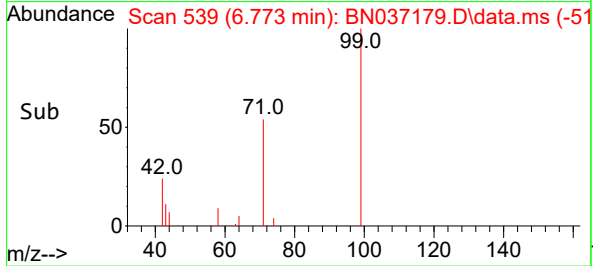
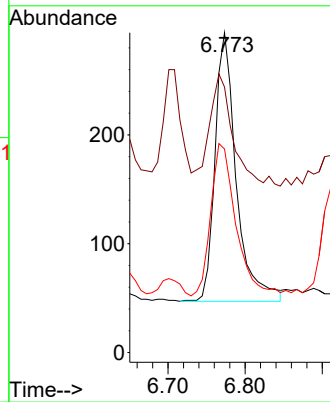
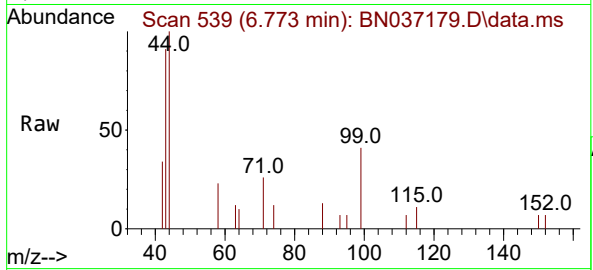




#5
Phenol-d6
Concen: 0.089 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

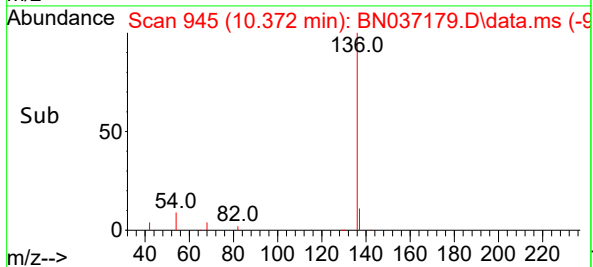
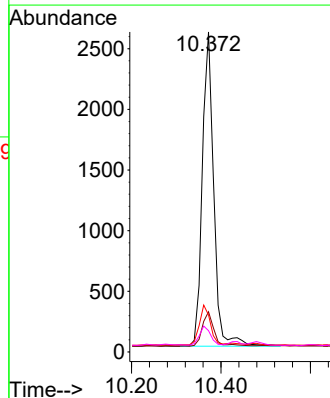
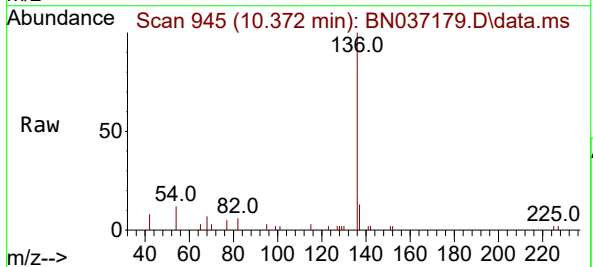
Instrument :
BNA_N
ClientSampleId :
EB01-060325

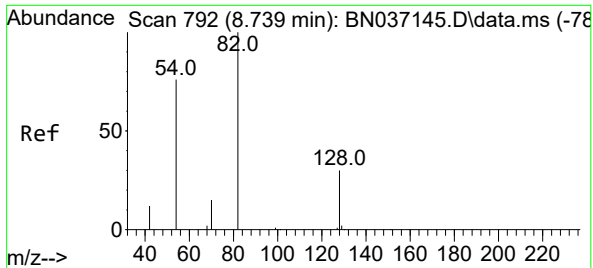
Tgt Ion: 99 Resp: 474
Ion Ratio Lower Upper
99 100
42 46.6 31.3 46.9
71 67.7 38.2 57.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 136 Resp: 4597
Ion Ratio Lower Upper
136 100
137 12.5 9.7 14.5
54 11.6 9.7 14.5
68 6.6 5.4 8.2

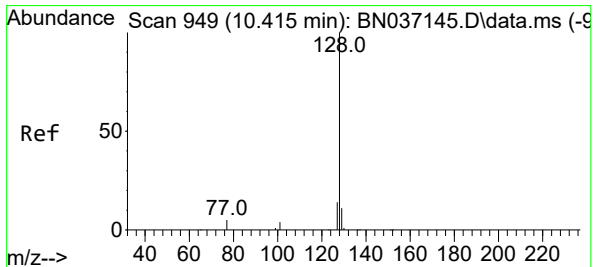
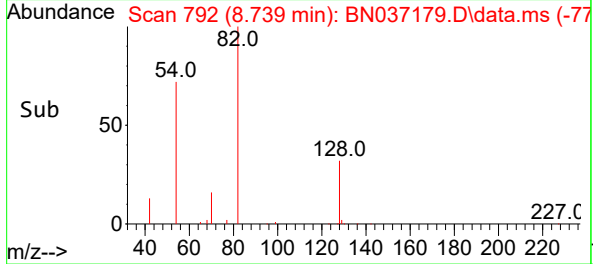
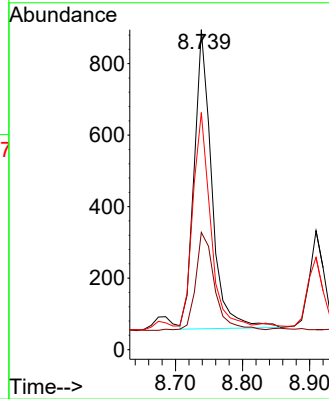
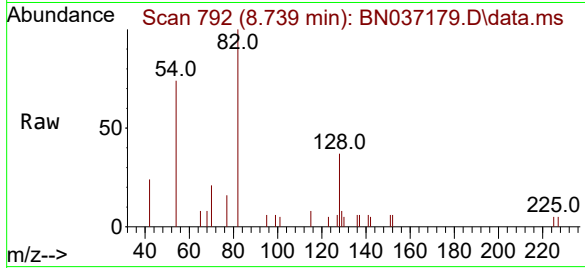




#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

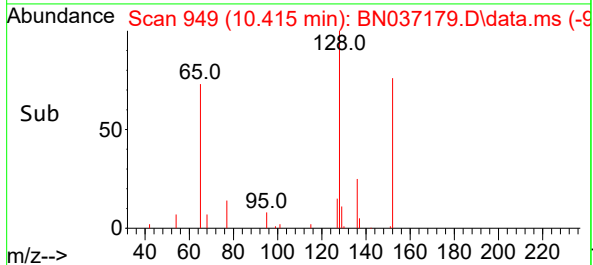
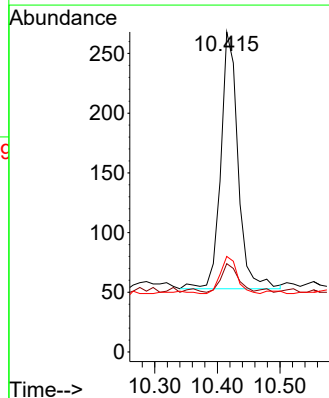
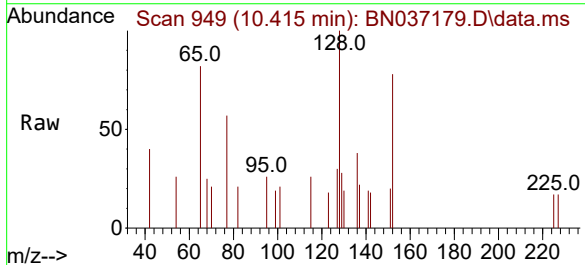
Instrument :
BNA_N
ClientSampleId :
EB01-060325

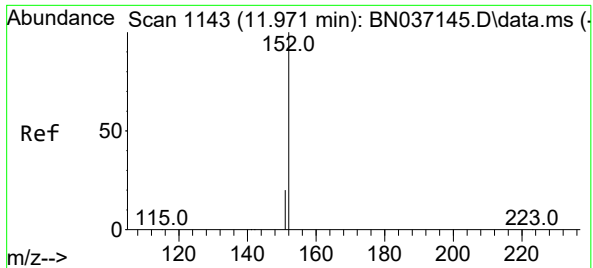
Tgt Ion: 82 Resp: 1529
Ion Ratio Lower Upper
82 100
128 36.6 26.9 40.3
54 74.1 61.4 92.2



#9
Naphthalene
Concen: 0.031 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 128 Resp: 413
Ion Ratio Lower Upper
128 100
129 27.6 9.8 14.8#
127 29.9 12.3 18.5#

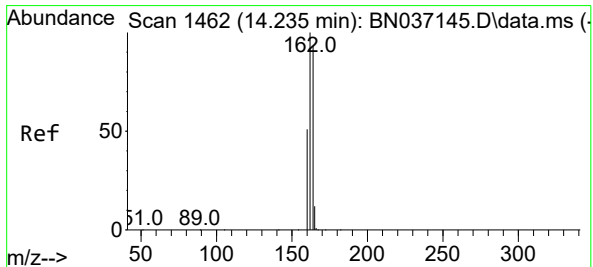
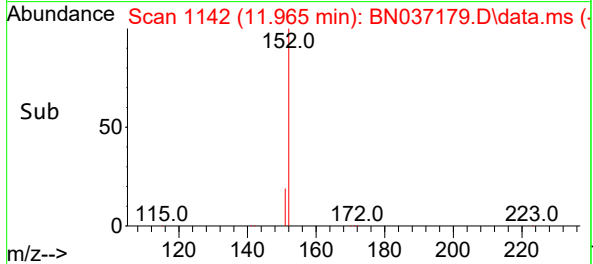
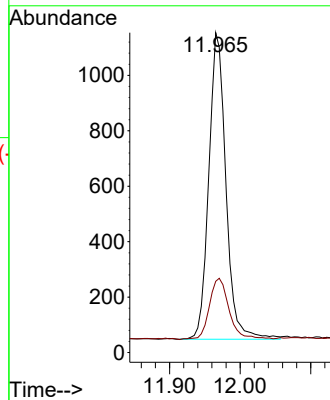
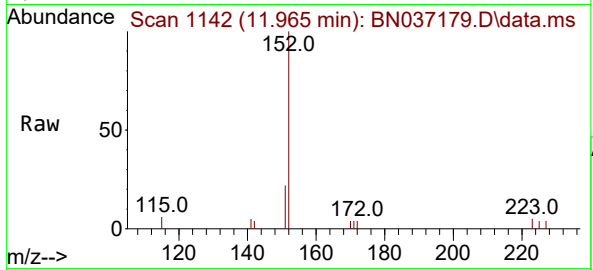




#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

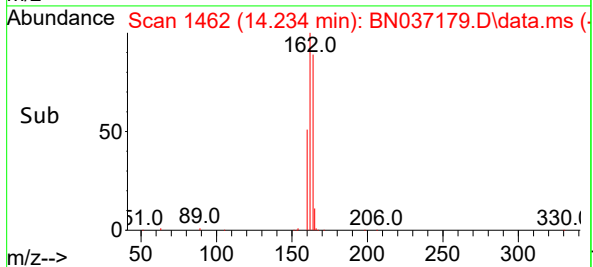
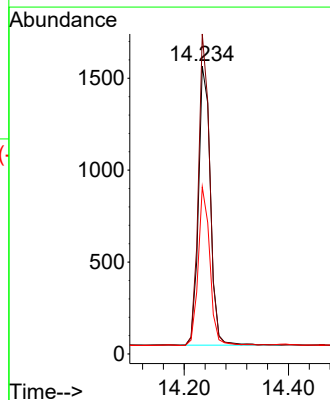
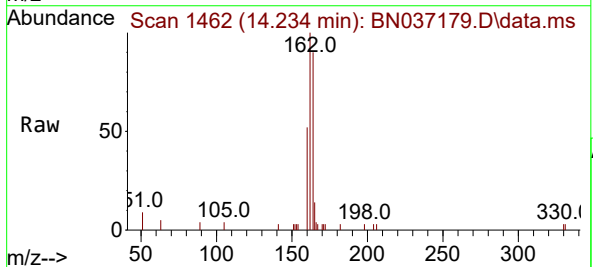
Instrument :
BNA_N
ClientSampleId :
EB01-060325

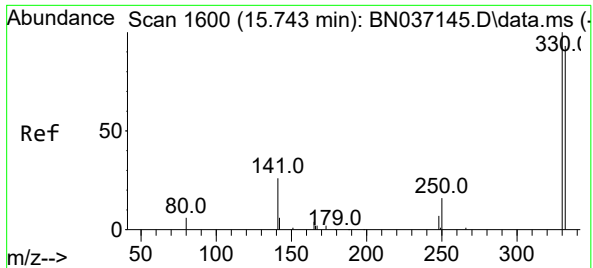
Tgt Ion:152 Resp: 1866
Ion Ratio Lower Upper
152 100
151 23.3 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion:164 Resp: 2434
Ion Ratio Lower Upper
164 100
162 111.2 85.5 128.3
160 58.1 44.6 67.0

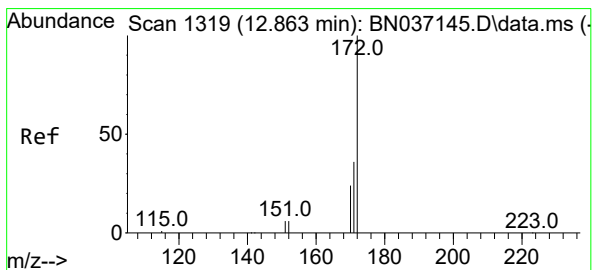
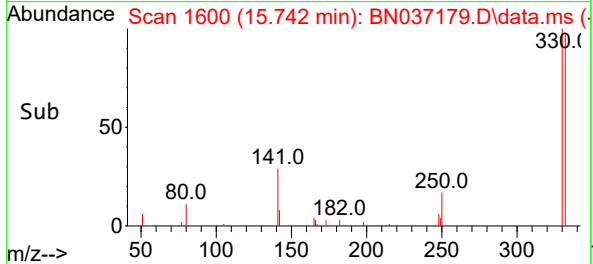
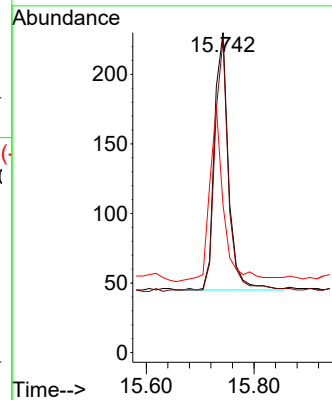
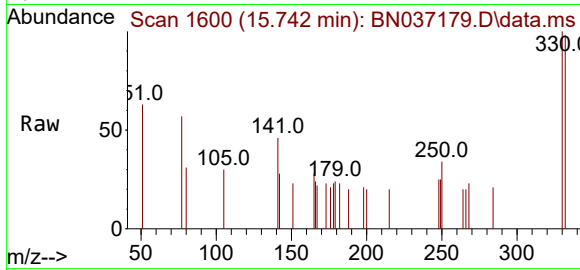




#14
2,4,6-Tribromophenol
Concen: 0.344 ng
RT: 15.742 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

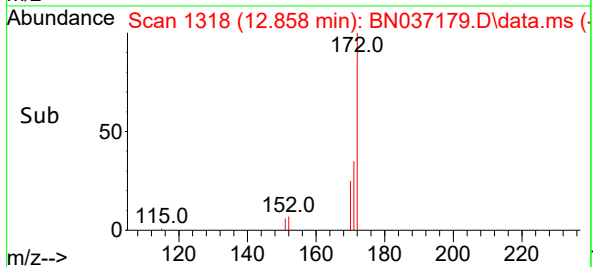
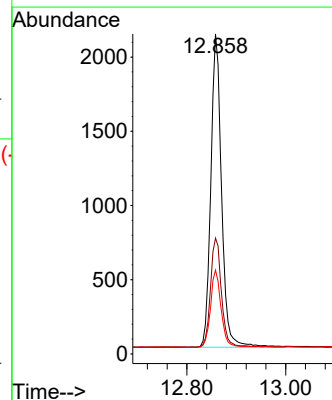
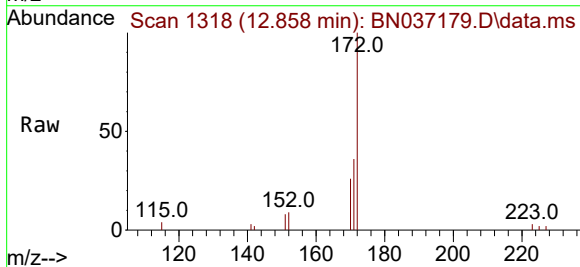
Instrument :
BNA_N
ClientSampleId :
EB01-060325

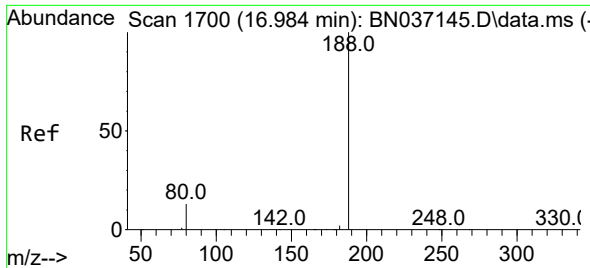
Tgt Ion:330 Resp: 337
Ion Ratio Lower Upper
330 100
332 92.9 77.1 115.7
141 68.2 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion:172 Resp: 3182
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 26.2 20.3 30.5

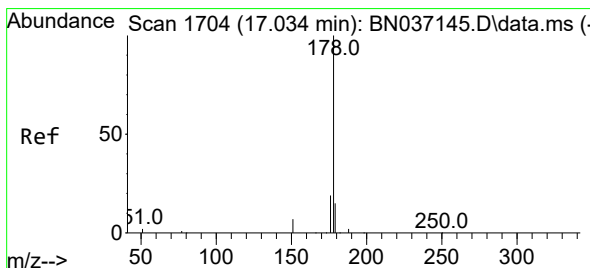
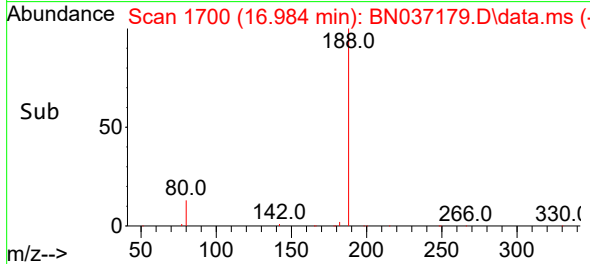
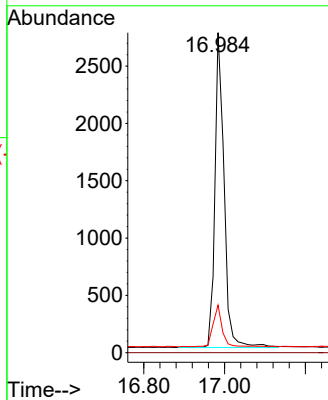
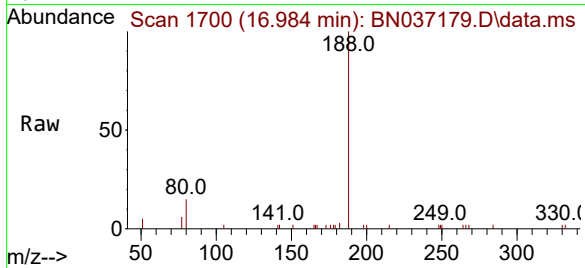




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

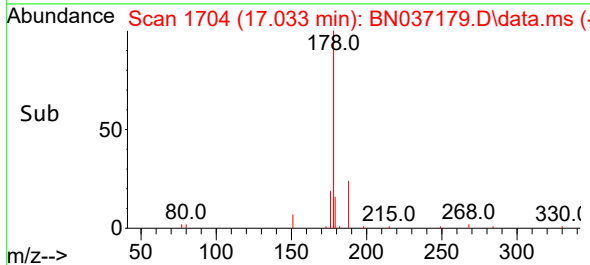
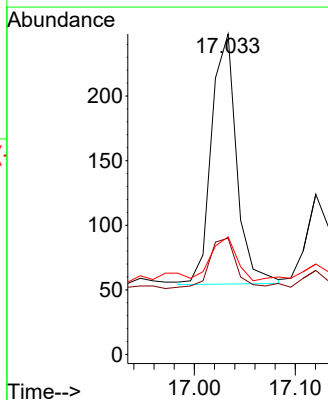
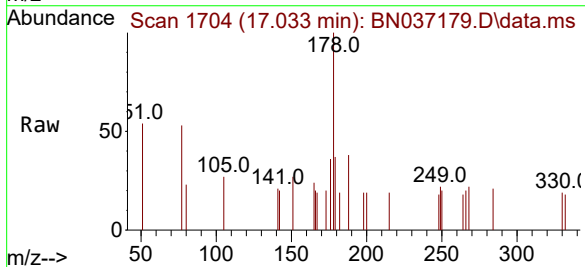
Instrument :
BNA_N
ClientSampleId :
EB01-060325

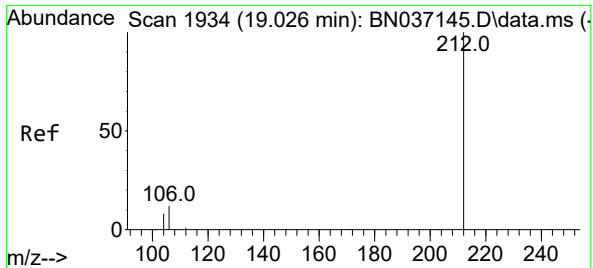
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.9	11.3	16.9



#25
Phenanthrene
Concen: 0.024 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.8	15.7	23.5
179	25.4	12.3	18.5

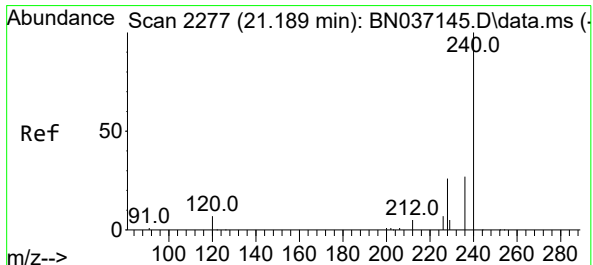
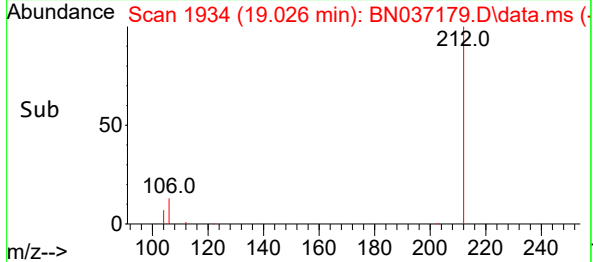
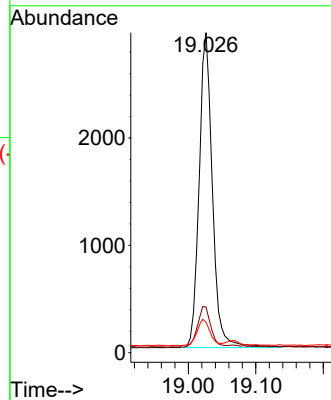
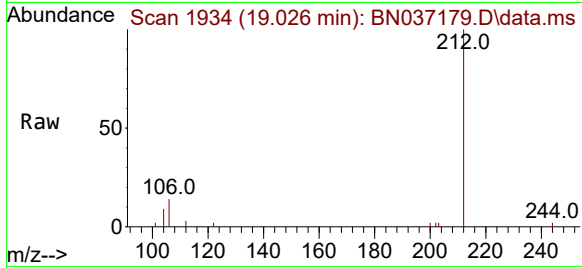




#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

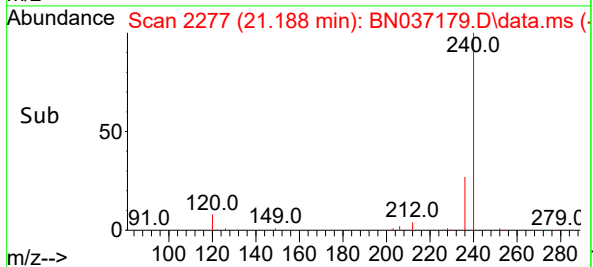
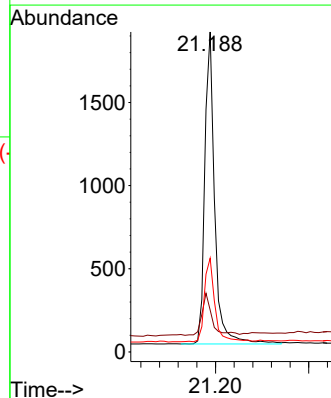
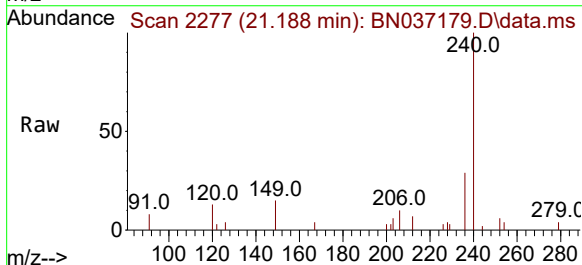
Instrument :
BNA_N
ClientSampleId :
EB01-060325

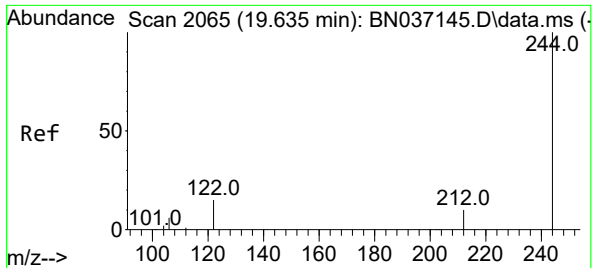
Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.6	15.8
104	8.5	6.6	9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.188 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.0	13.4
236	29.3	23.0	34.4

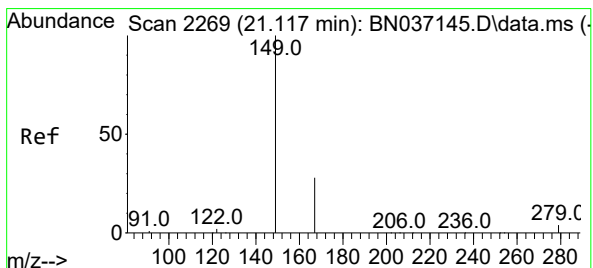
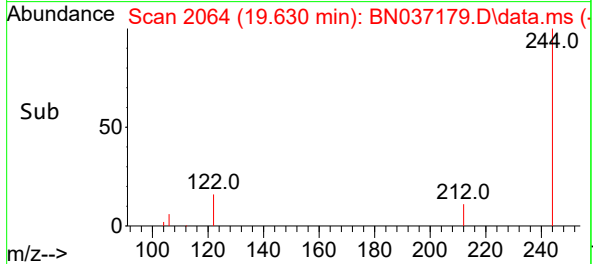
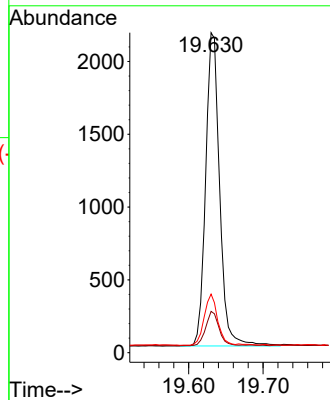
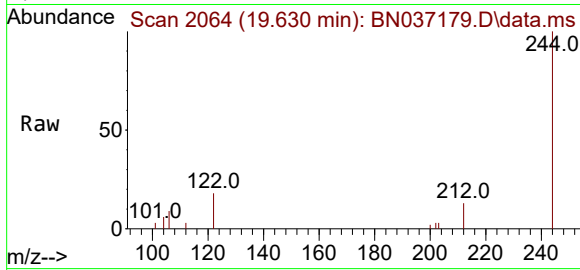




#31
Terphenyl-d14
Concen: 0.430 ng
RT: 19.630 min Scan# 2065
Delta R.T. -0.005 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

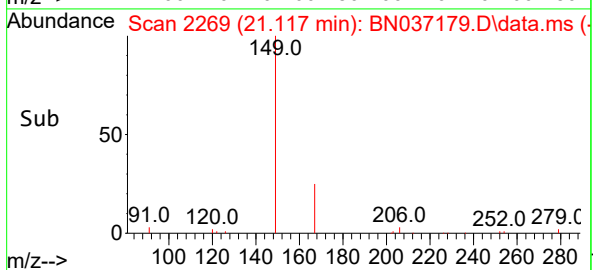
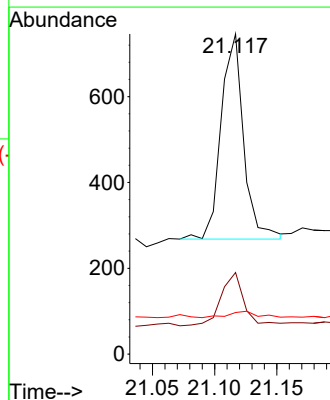
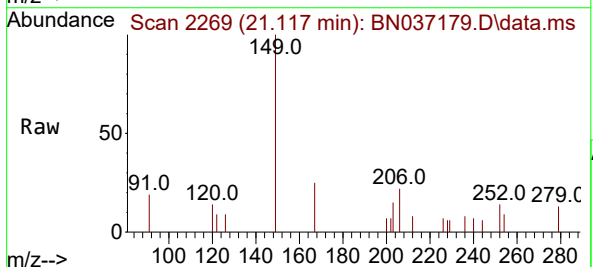
Instrument :
BNA_N
ClientSampleId :
EB01-060325

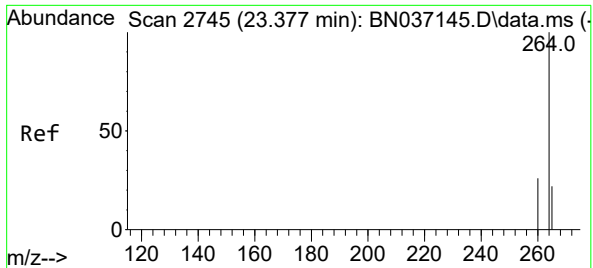
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.9	10.0	15.0
122	18.3	13.2	19.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.095 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

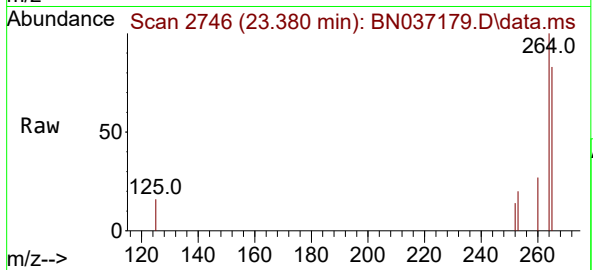
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.0	31.4
279	4.2	2.9	4.3



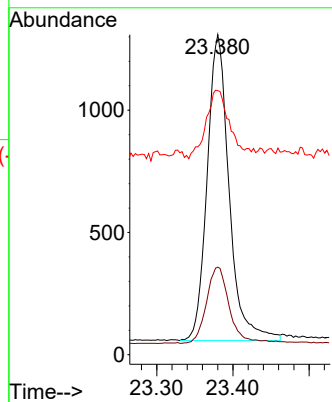
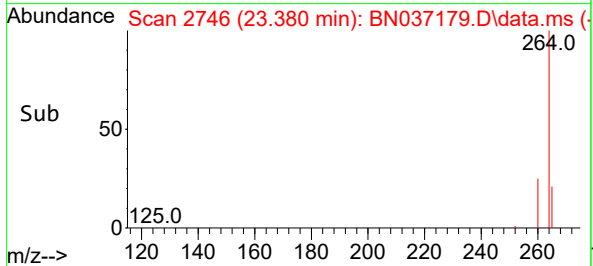


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_N
ClientSampleId :
EB01-060325



Tgt Ion:264 Resp: 2502
Ion Ratio Lower Upper
264 100
260 27.3 22.1 33.1
265 82.5 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-01-6.5-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-04	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
BN037180.D	1	06/04/25 11:46	06/05/25 14:32	PB168286

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)	80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (30) - 130 (155)	85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		30 (54) - 130 (175)	108%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1860	7.589			
1146-65-2	Naphthalene-d8	4770	10.372			
15067-26-2	Acenaphthene-d10	2550	14.234			
1517-22-2	Phenanthrene-d10	4650	16.984			
1719-03-5	Chrysene-d12	3040	21.189			
1520-96-3	Perylene-d12	2760	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037180.D
 Acq On : 05 Jun 2025 14:32
 Operator : RC/JU
 Sample : Q2200-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-01-6.5-060325

Quant Time: Jun 05 15:24:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

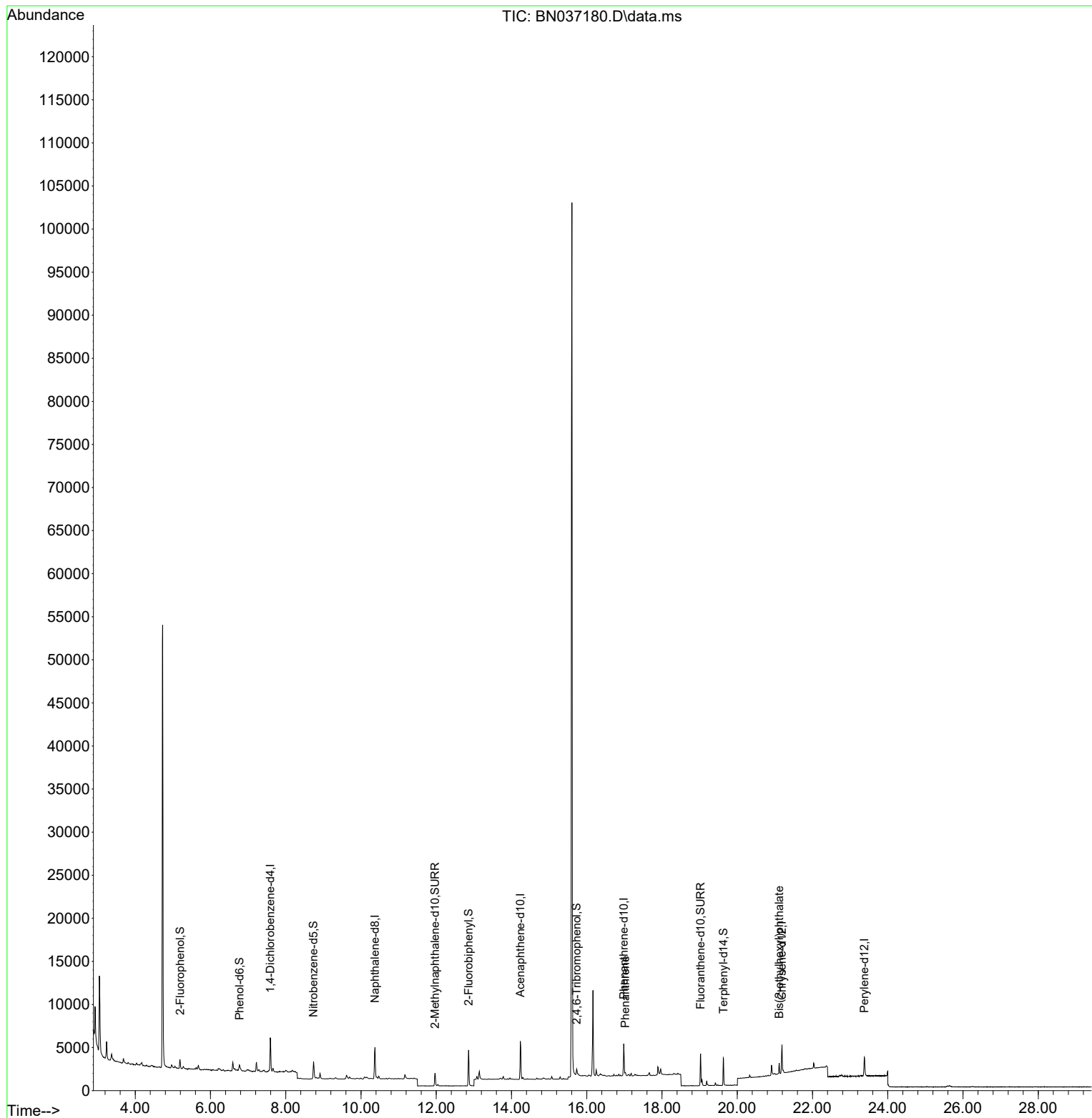
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1856	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4772	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2549	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4645	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3039	0.400	ng	0.00
35) Perylene-d12	23.377	264	2764	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	733	0.160	ng	0.00
5) Phenol-d6	6.773	99	566	0.102	ng	0.00
8) Nitrobenzene-d5	8.739	82	1652	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2122	0.319	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	377	0.367	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	3699	0.340	ng	0.00
27) Fluoranthene-d10	19.026	212	4158	0.352	ng	0.00
31) Terphenyl-d14	19.630	244	3085	0.431	ng	0.00
Target Compounds						
25) Phenanthrene	17.021	178	442	0.029	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.117	149	1241	0.179	ng	98

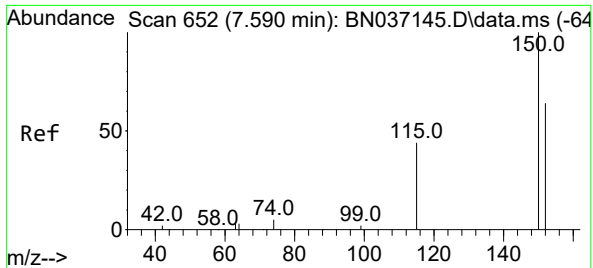
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037180.D
Acq On : 05 Jun 2025 14:32
Operator : RC/JU
Sample : Q2200-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

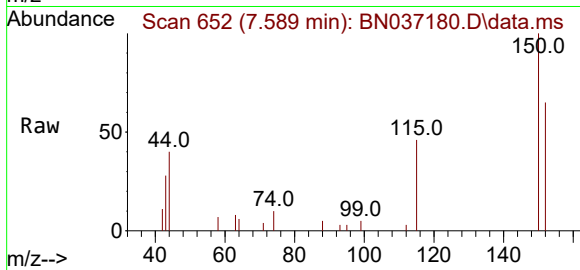
Quant Time: Jun 05 15:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



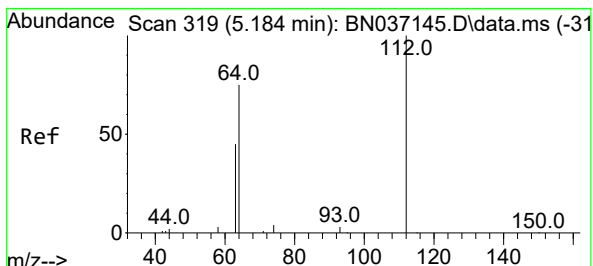
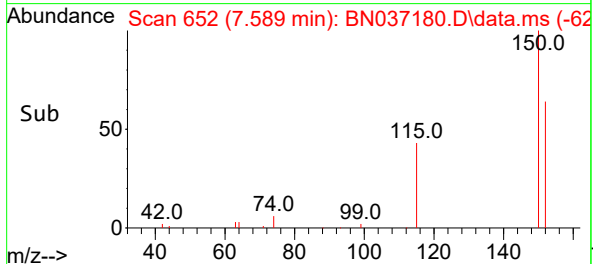
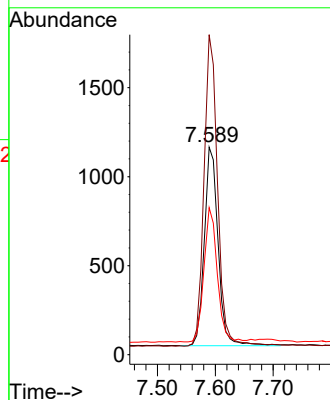


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

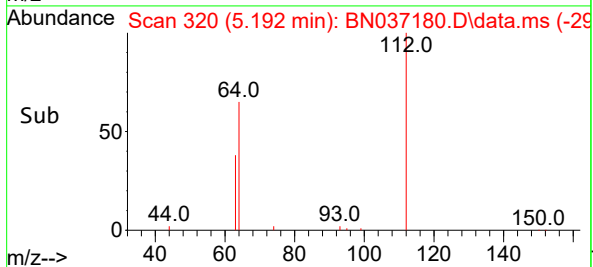
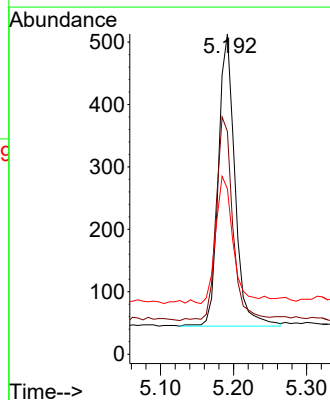
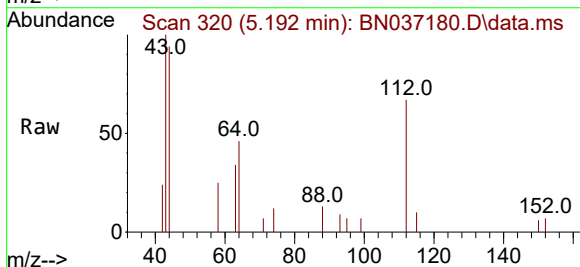


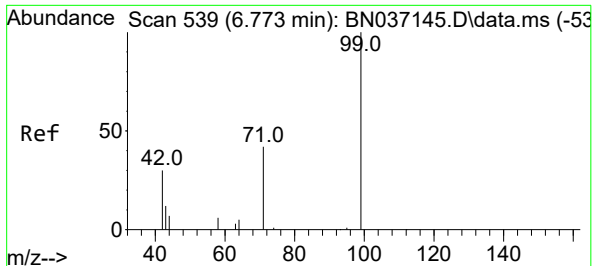
Tgt Ion:152 Resp: 1856
Ion Ratio Lower Upper
152 100
150 154.2 123.2 184.8
115 70.8 56.6 85.0



#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:112 Resp: 733
Ion Ratio Lower Upper
112 100
64 70.4 56.3 84.5
63 45.6 36.2 54.4

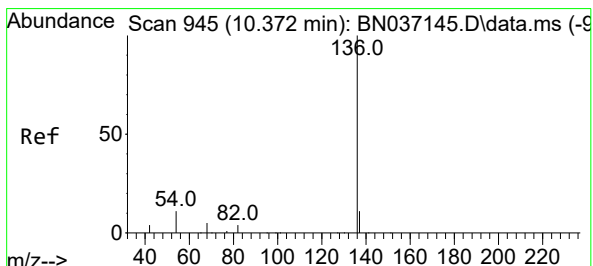
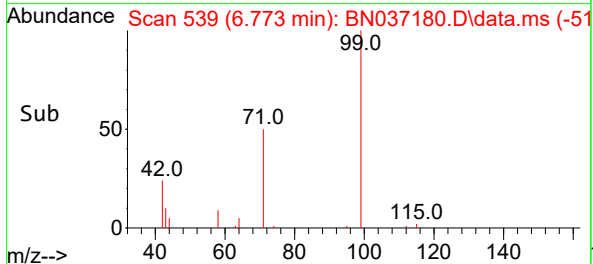
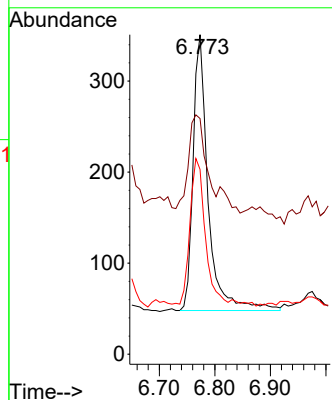
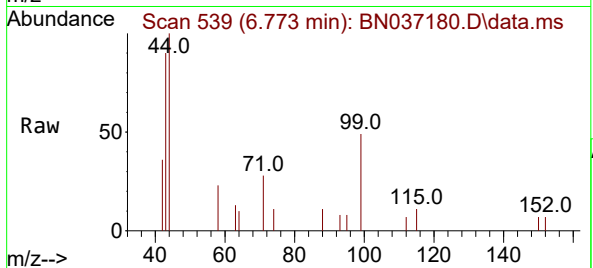




#5
Phenol-d6
Concen: 0.102 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

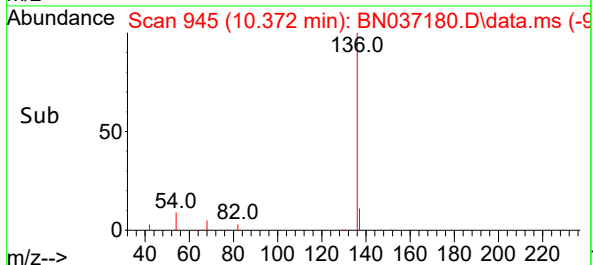
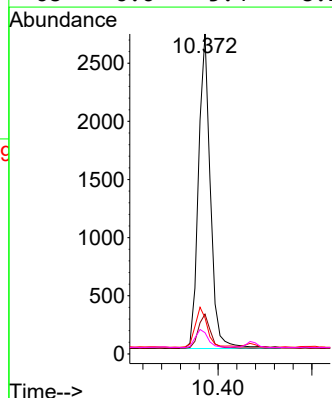
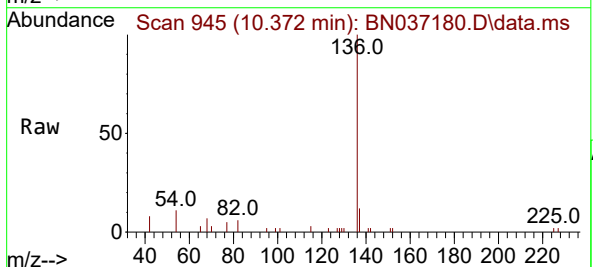
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

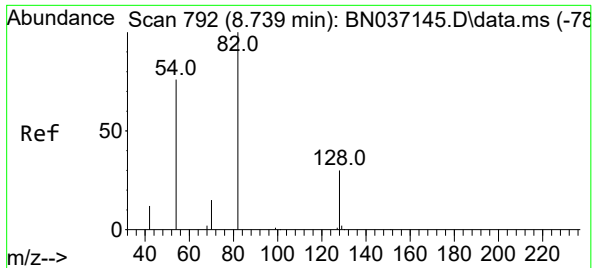
Tgt Ion	Ratio	Lower	Upper
99	100		
42	38.0	31.3	46.9
71	56.9	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	11.3	9.7	14.5
68	6.6	5.4	8.2

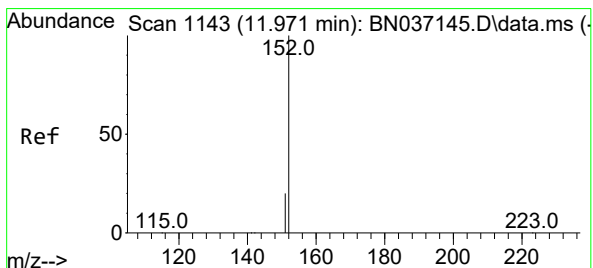
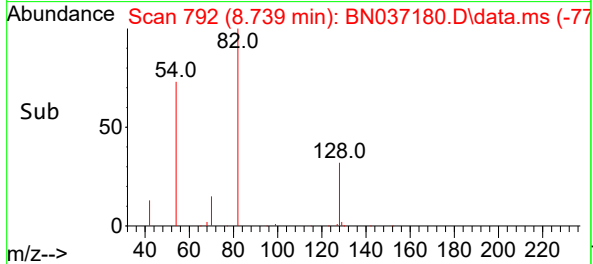
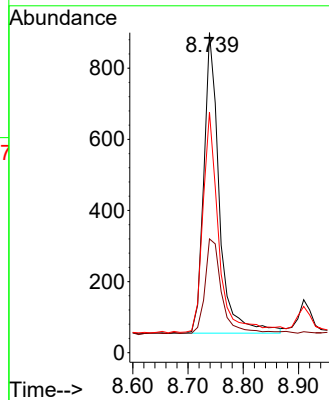
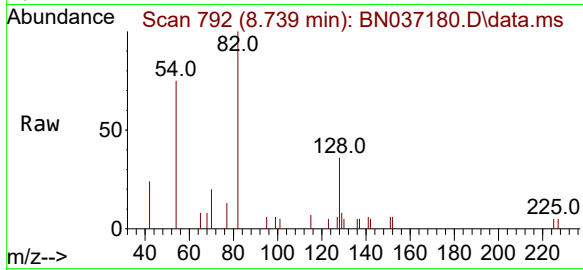




#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

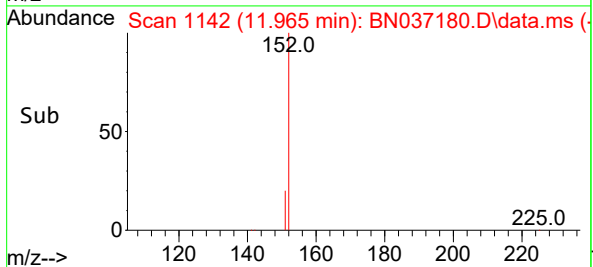
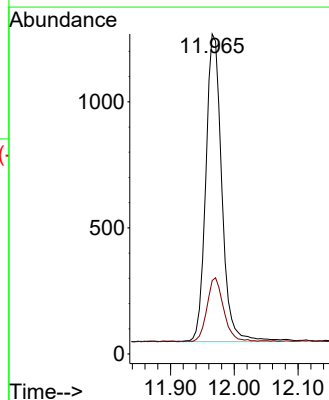
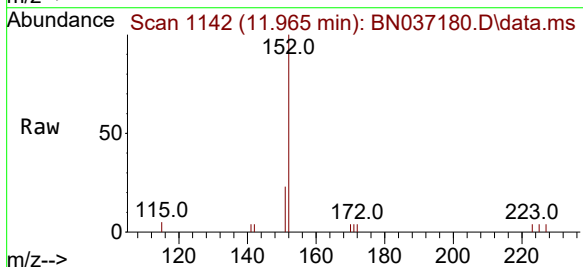
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

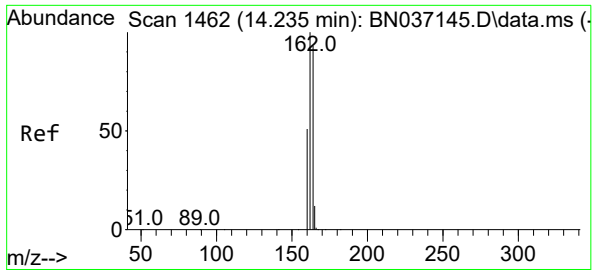
Tgt Ion	82	Resp:	1652
Ion	Ratio	Lower	Upper
82	100		
128	35.6	26.9	40.3
54	75.2	61.4	92.2



#11
2-Methylnaphthalene-d10
Concen: 0.319 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion	152	Resp:	2122
Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.1	25.7

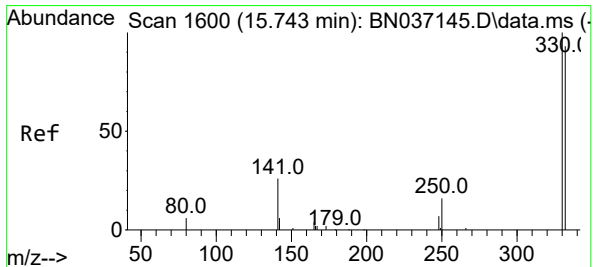
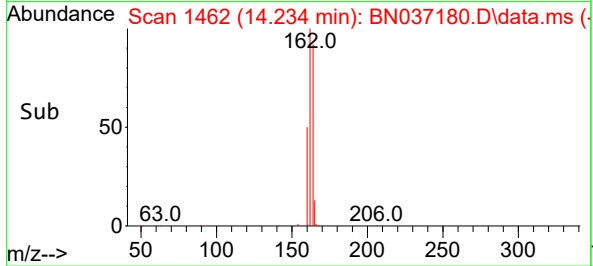
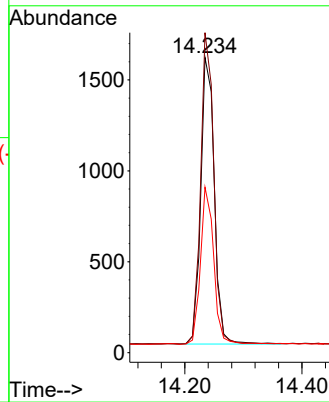
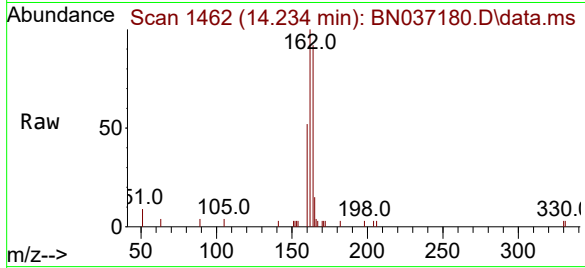




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

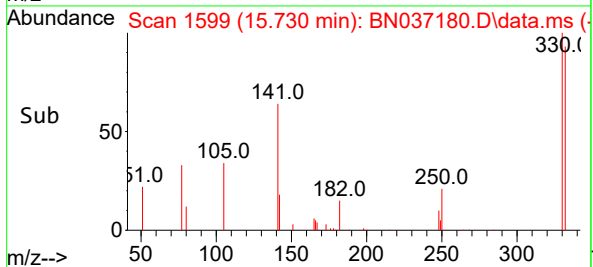
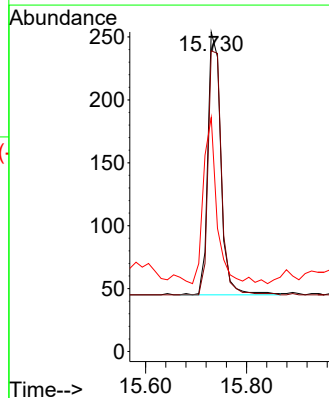
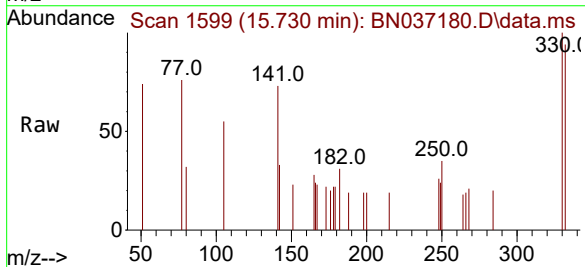
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

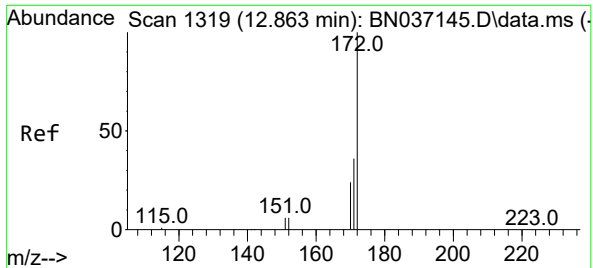
Tgt Ion:164 Resp: 2549
Ion Ratio Lower Upper
164 100
162 108.4 85.5 128.3
160 56.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:330 Resp: 377
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 64.5 46.4 69.6

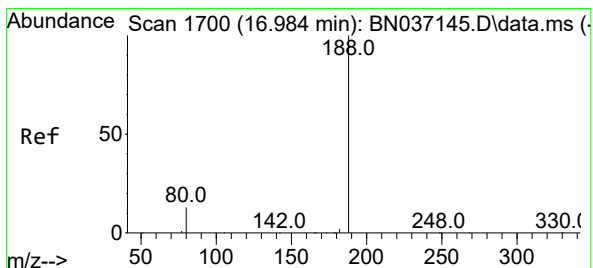
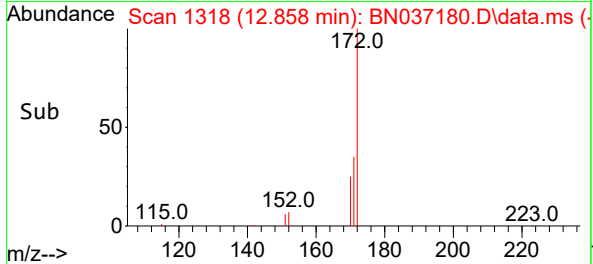
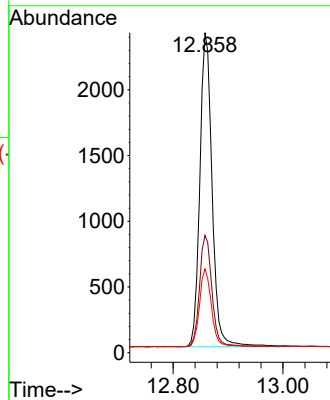
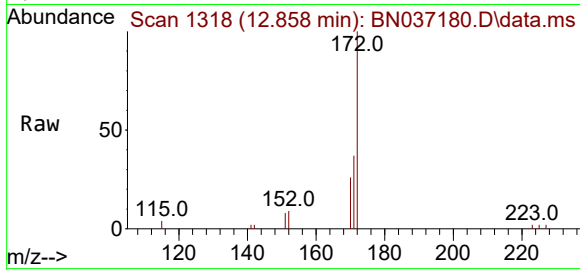




#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 12.858 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

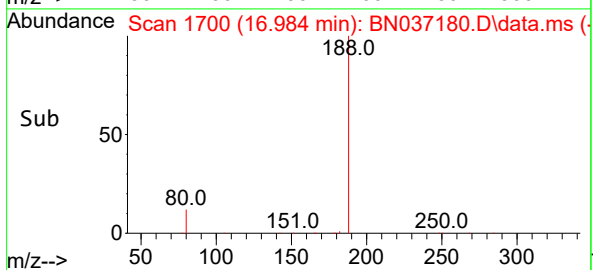
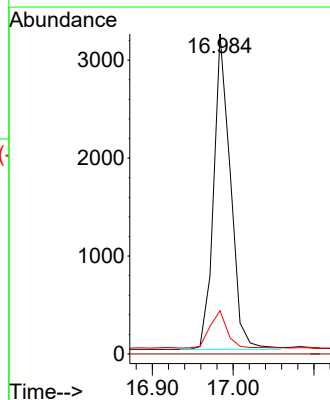
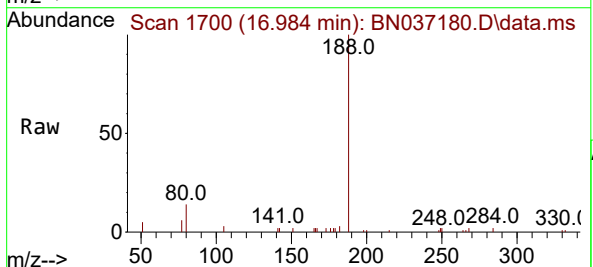
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

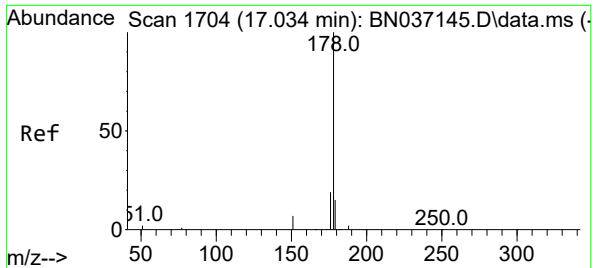
Tgt Ion:172 Resp: 3699
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 26.2 20.3 30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:188 Resp: 4645
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 11.3 16.9

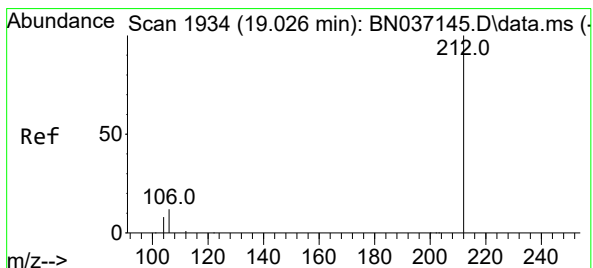
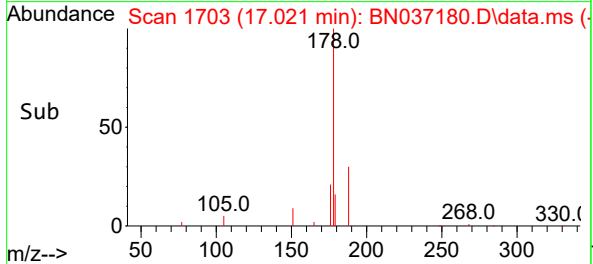
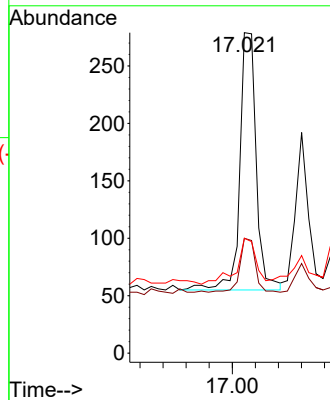
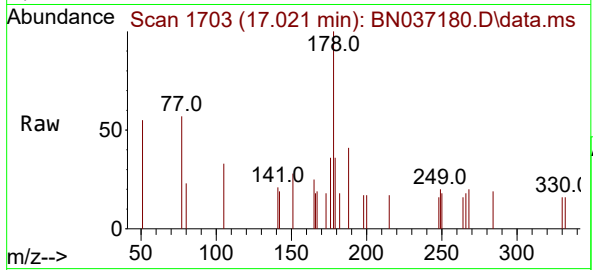




#25
Phenanthrene
Concen: 0.029 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

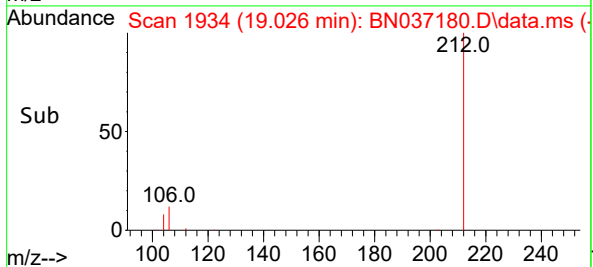
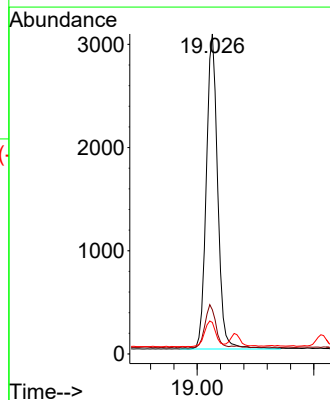
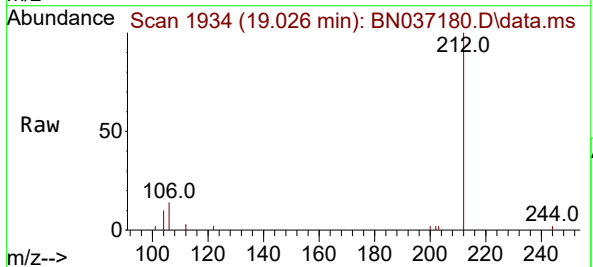
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

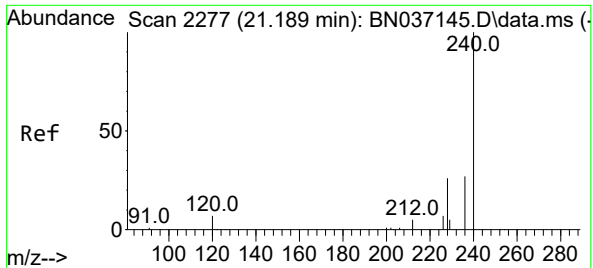
Tgt Ion:178 Resp: 442
Ion Ratio Lower Upper
178 100
176 20.6 15.7 23.5
179 21.7 12.3 18.5#



#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:212 Resp: 4158
Ion Ratio Lower Upper
212 100
106 13.4 10.6 15.8
104 8.1 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037180.D

Acq: 05 Jun 2025 14:32

Instrument :

BNA_N

ClientSampleId :

MW-01-6.5-060325

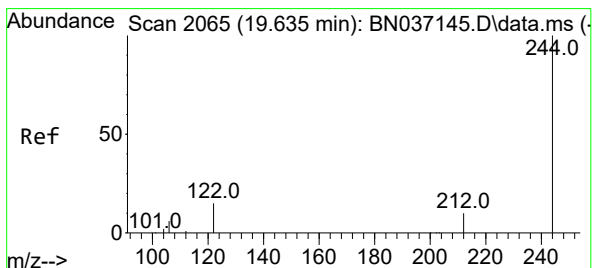
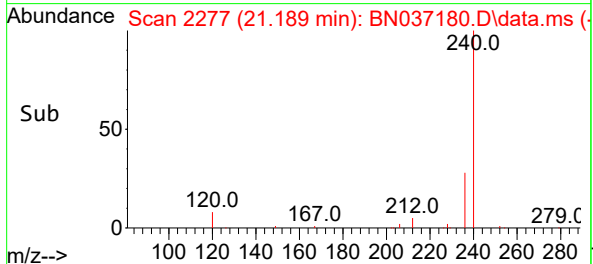
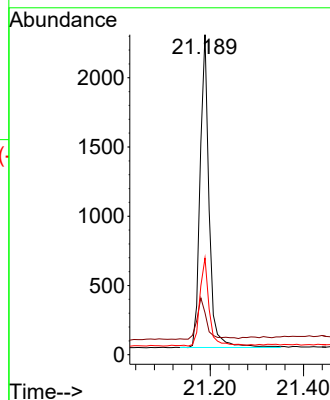
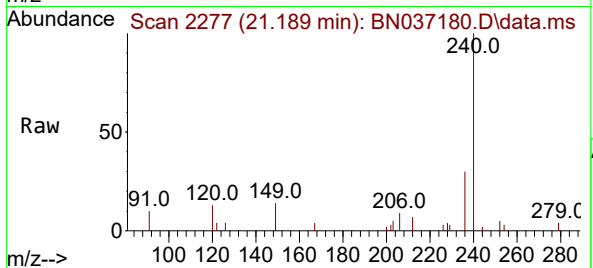
Tgt Ion:240 Resp: 3039

Ion Ratio Lower Upper

240 100

120 13.1 9.0 13.4

236 30.2 23.0 34.4



#31

Terphenyl-d14

Concen: 0.431 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037180.D

Acq: 05 Jun 2025 14:32

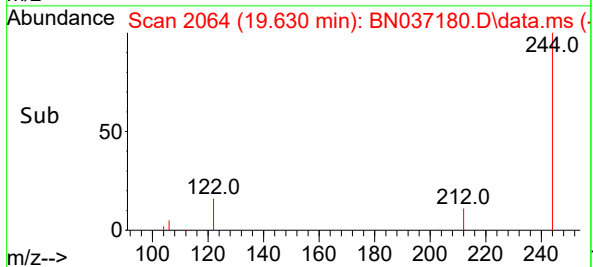
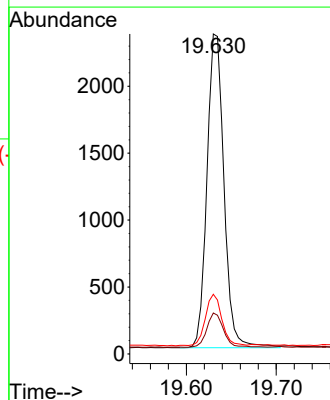
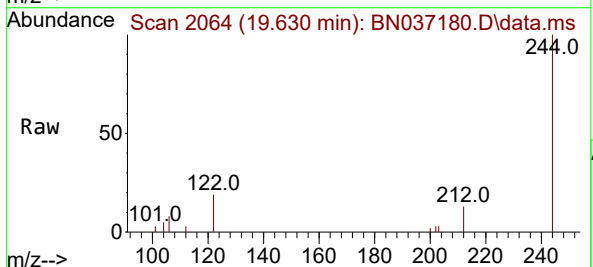
Tgt Ion:244 Resp: 3085

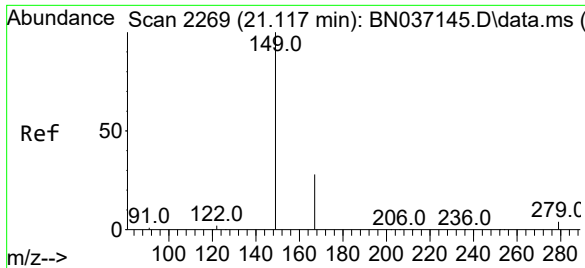
Ion Ratio Lower Upper

244 100

212 12.8 10.0 15.0

122 18.7 13.2 19.8

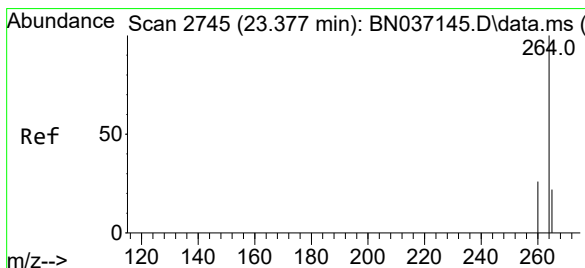
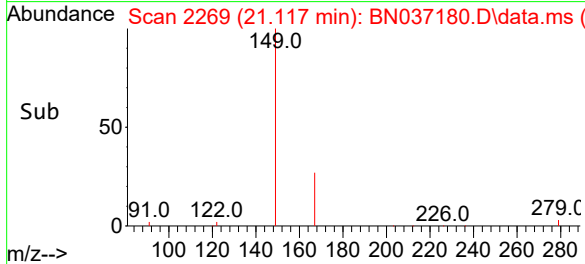
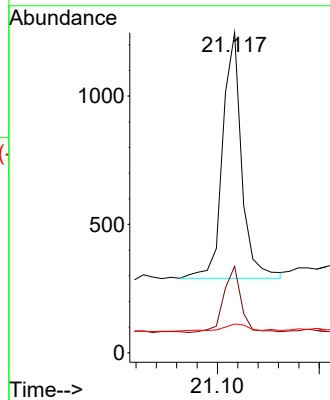
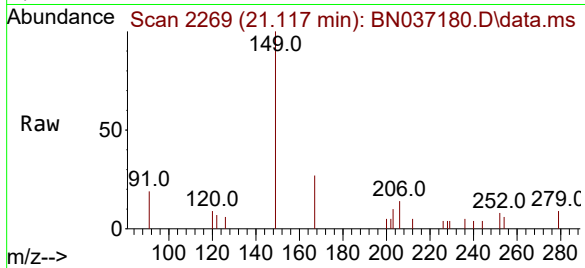




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.179 ng
RT: 21.117 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

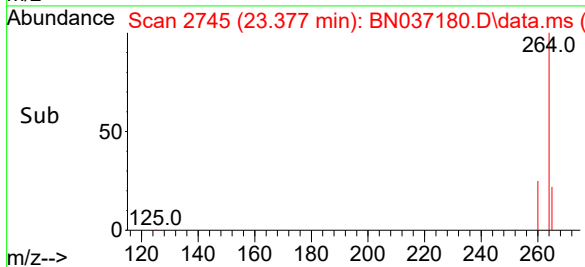
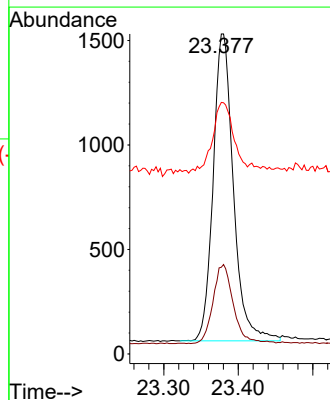
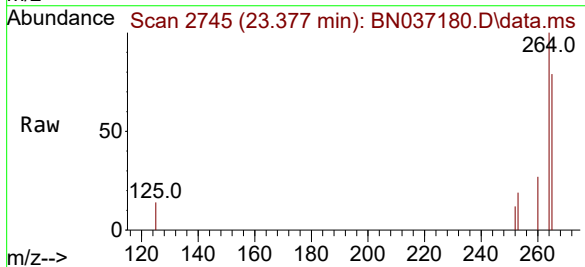
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

Tgt Ion:149 Resp: 1241
Ion Ratio Lower Upper
149 100
167 24.8 21.0 31.4
279 3.6 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:264 Resp: 2764
Ion Ratio Lower Upper
264 100
260 27.1 22.1 33.1
265 78.6 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-11B-37.5-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037181.D	1	06/04/25 11:46	06/05/25 15:08	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	22.1	E	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (54) - 150 (157)	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	80%	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	2010	7.589			
1146-65-2	Naphthalene-d8	5260	10.372			
15067-26-2	Acenaphthene-d10	2800	14.235			
1517-22-2	Phenanthrene-d10	4920	16.984			
1719-03-5	Chrysene-d12	3310	21.189			
1520-96-3	Perylene-d12	3150	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037181.D
 Acq On : 05 Jun 2025 15:08
 Operator : RC/JU
 Sample : Q2200-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11B-37.5-060325

Quant Time: Jun 05 15:42:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

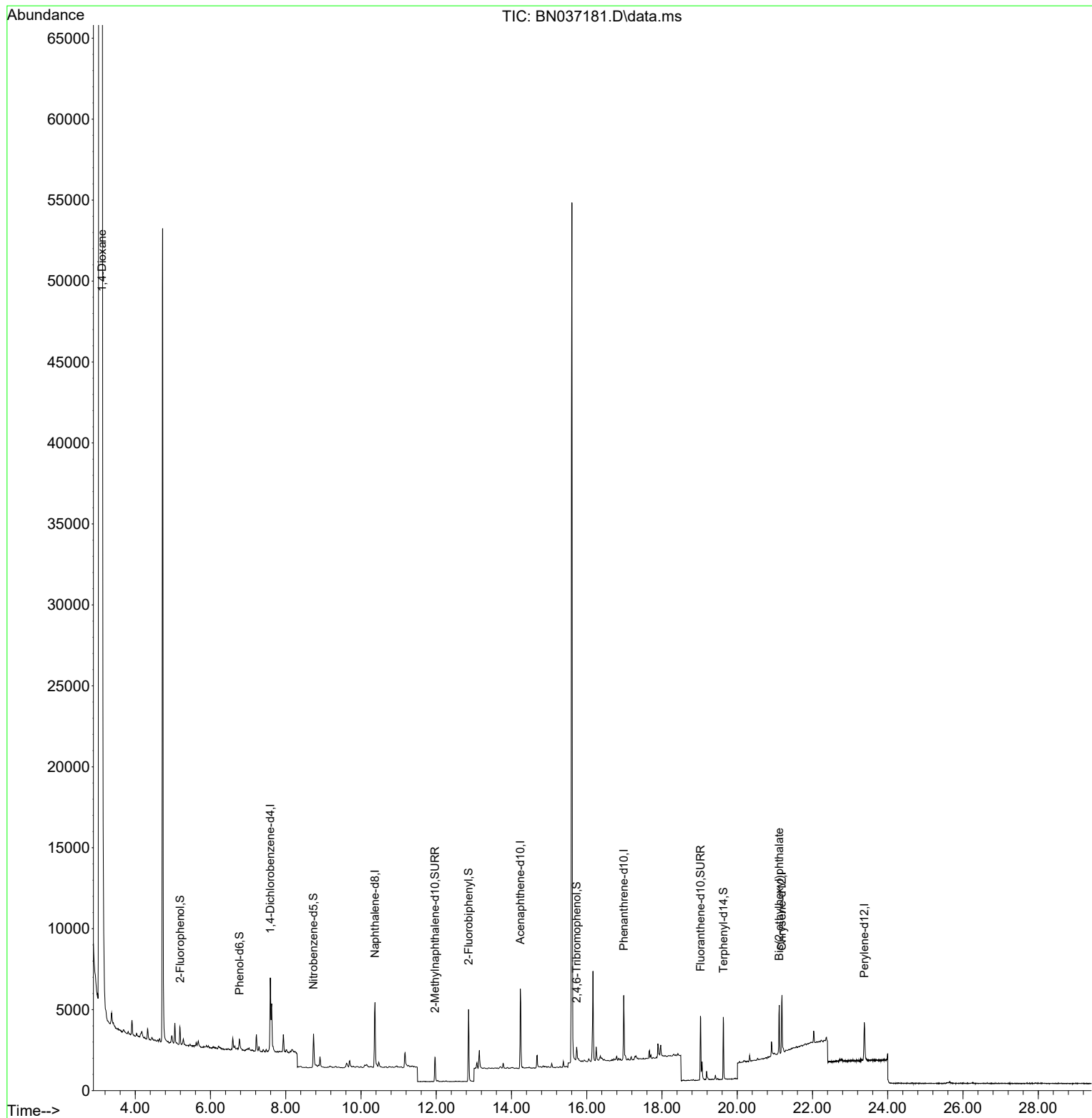
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2014	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5256	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2798	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4922	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3314	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3148	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	778	0.156	ng	0.00
5) Phenol-d6	6.773	99	531	0.088	ng	0.00
8) Nitrobenzene-d5	8.739	82	1803	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2201	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	423	0.375	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	3823	0.320	ng	0.00
27) Fluoranthene-d10	19.022	212	4519	0.361	ng	0.00
31) Terphenyl-d14	19.630	244	3411	0.437	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	57659	21.478	ng	Qvalue 98
34) Bis(2-ethylhexyl)phtha...	21.117	149	2890	0.382	ng	98

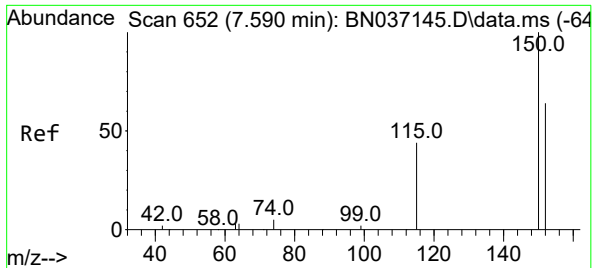
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037181.D
Acq On : 05 Jun 2025 15:08
Operator : RC/JU
Sample : Q2200-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

Quant Time: Jun 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

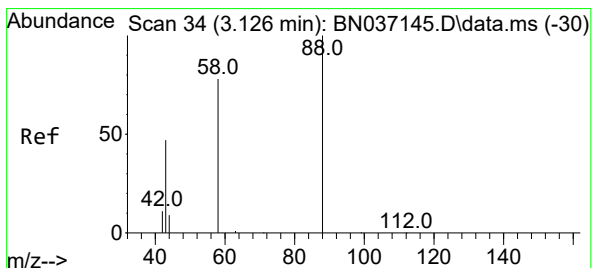
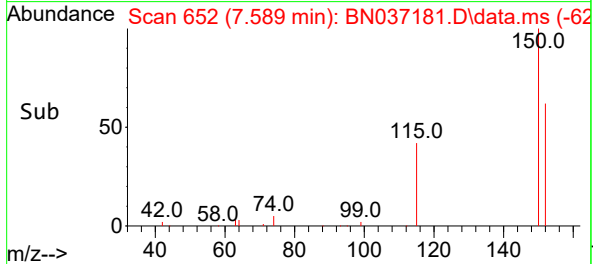
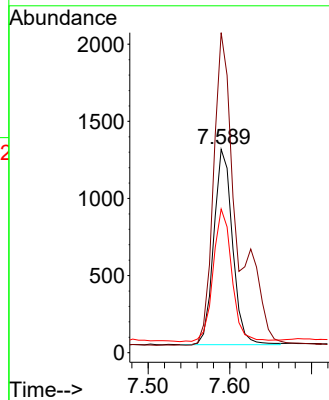
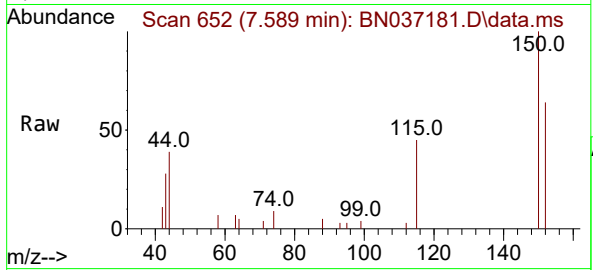




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

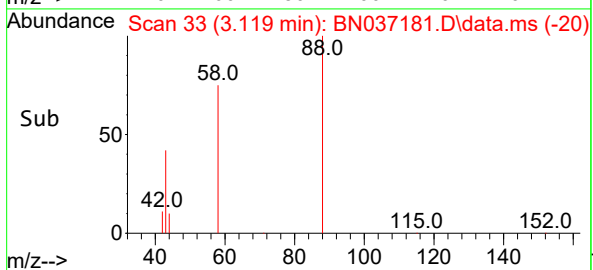
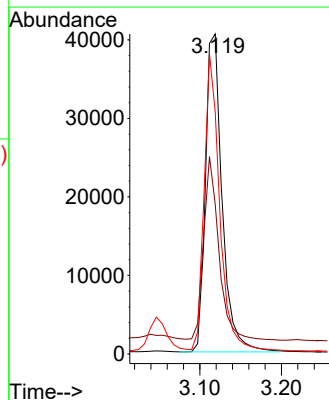
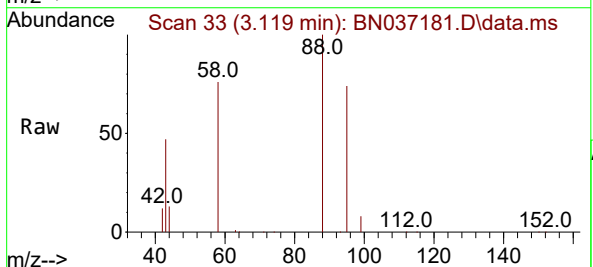
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

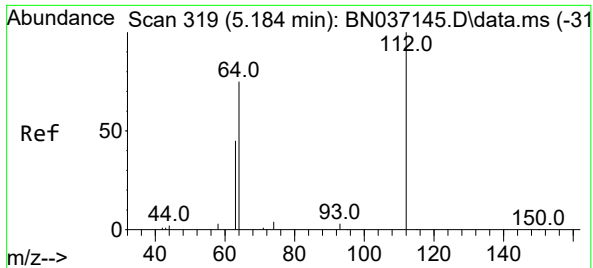
Tgt Ion:152 Resp: 2014
Ion Ratio Lower Upper
152 100
150 157.3 123.2 184.8
115 70.7 56.6 85.0



#2
1,4-Dioxane
Concen: 21.478 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion: 88 Resp: 57659
Ion Ratio Lower Upper
88 100
43 52.9 43.5 65.3
58 85.7 67.7 101.5

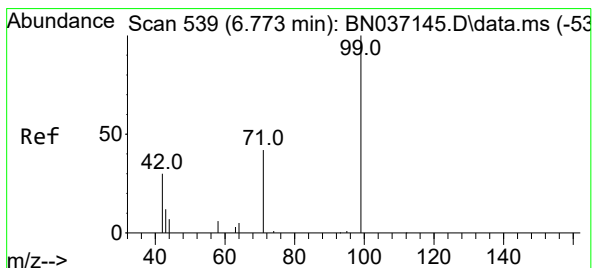
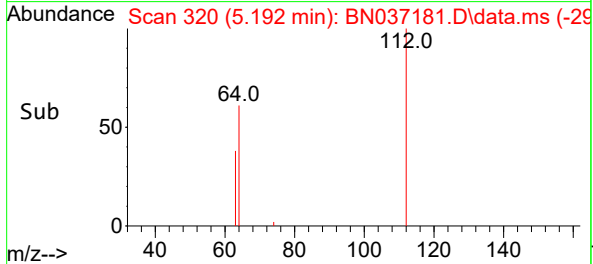
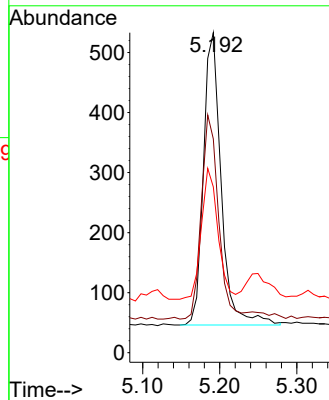
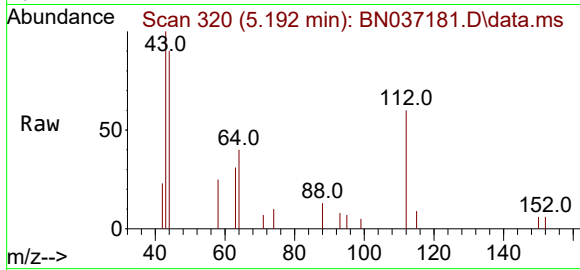




#4
2-Fluorophenol
Concen: 0.156 ng
RT: 5.192 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

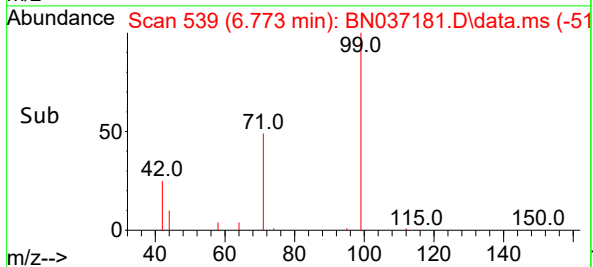
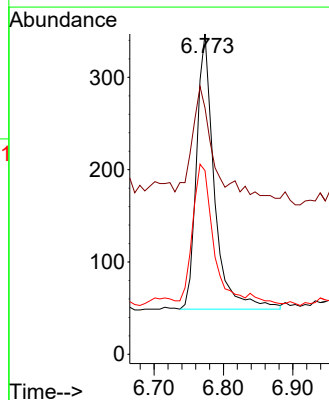
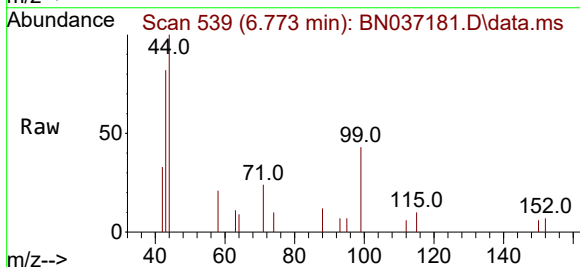
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

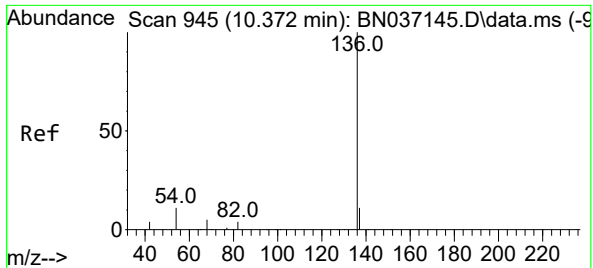
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	56.3	84.5
63	41.9	36.2	54.4



#5
Phenol-d6
Concen: 0.088 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion	Ratio	Lower	Upper
99	100		
42	48.2	31.3	46.9#
71	55.2	38.2	57.2

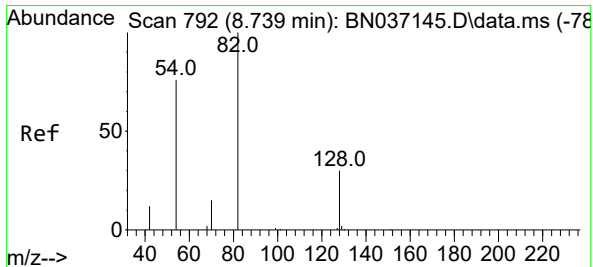
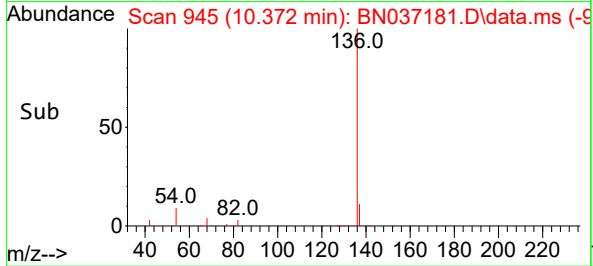
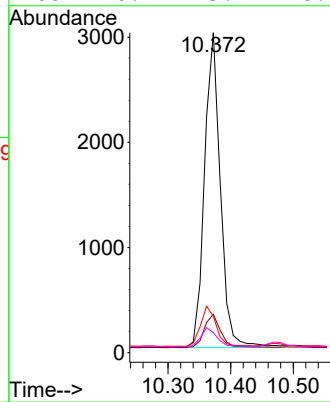
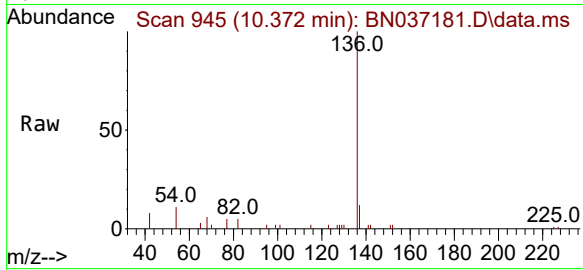




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

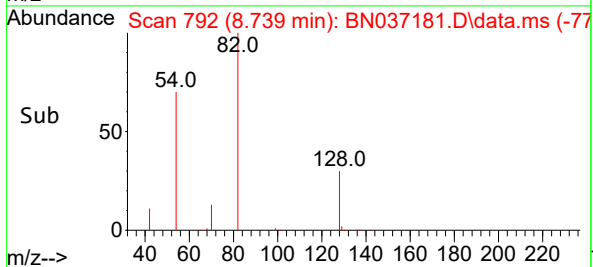
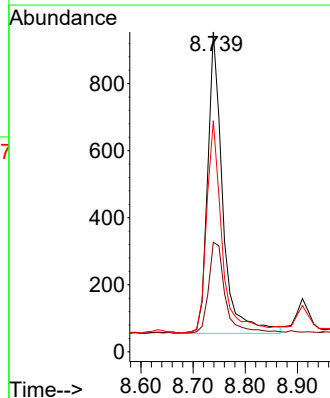
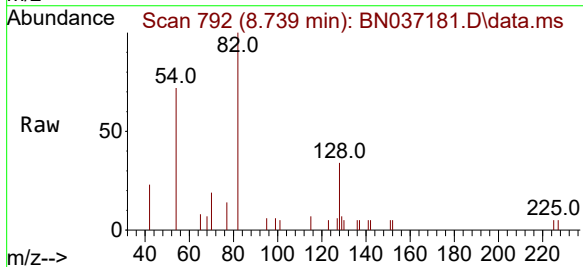
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

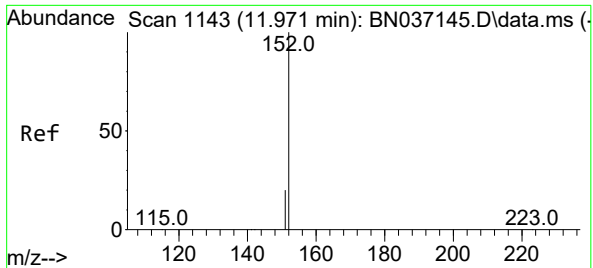
Tgt Ion:	136	Resp:	5256
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	11.4	9.7	14.5
68	6.2	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:	82	Resp:	1803
Ion	Ratio	Lower	Upper
82	100		
128	34.3	26.9	40.3
54	72.2	61.4	92.2

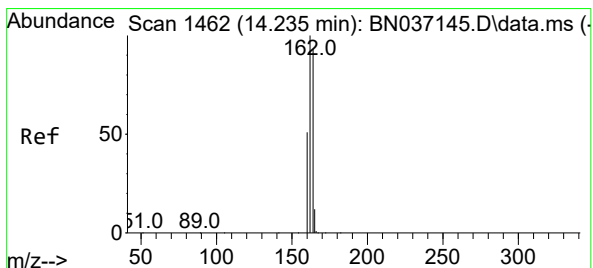
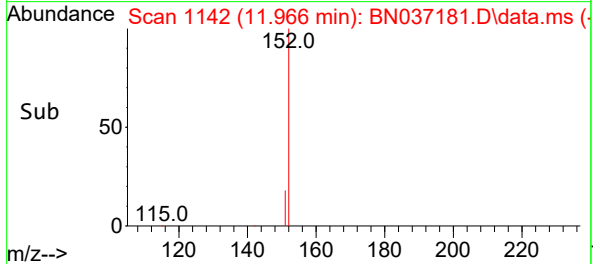
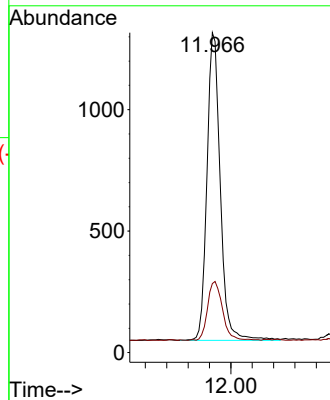
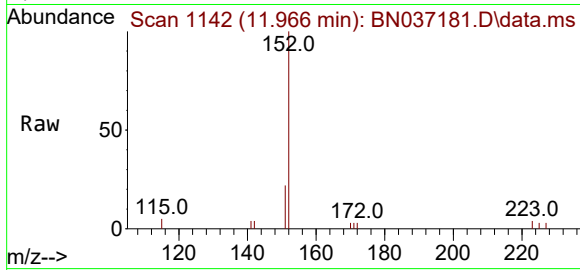




#11
2-Methylnaphthalene-d10
Concen: 0.301 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

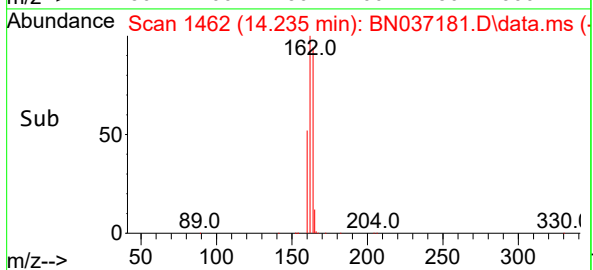
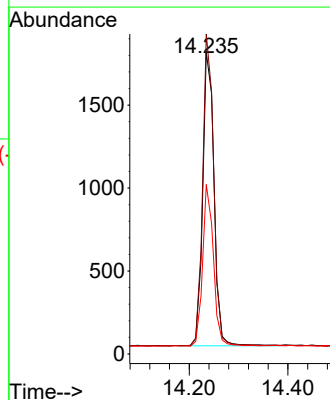
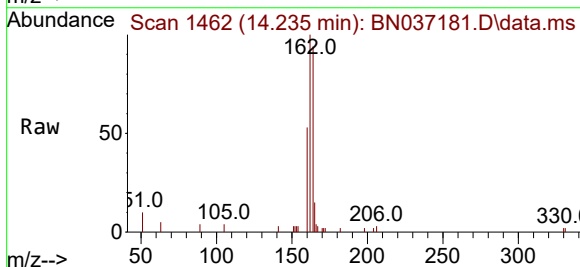
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

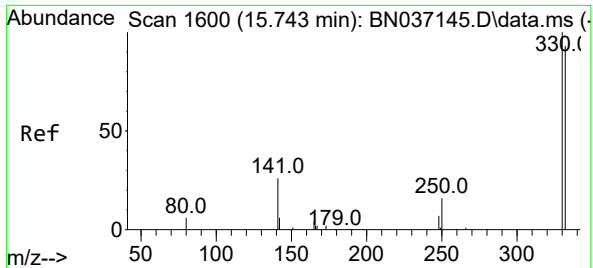
Tgt Ion:152 Resp: 2201
Ion Ratio Lower Upper
152 100
151 21.6 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:164 Resp: 2798
Ion Ratio Lower Upper
164 100
162 106.1 85.5 128.3
160 56.2 44.6 67.0

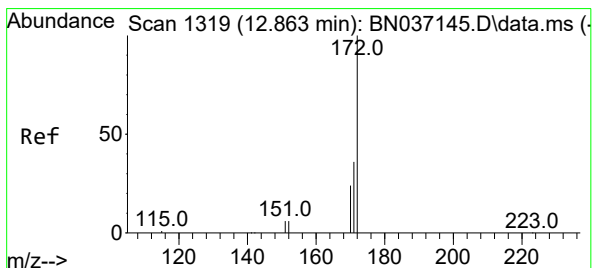
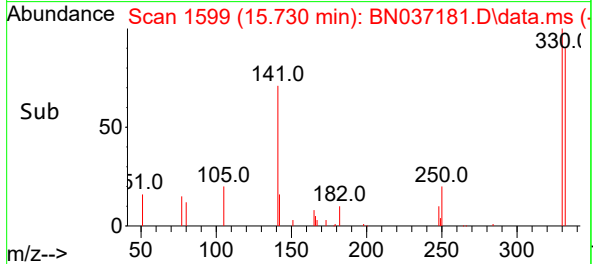
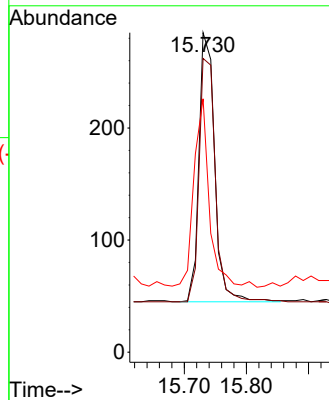
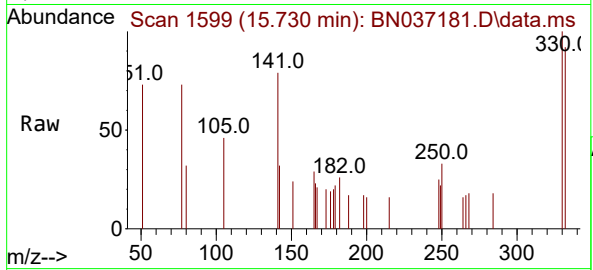




#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.730 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

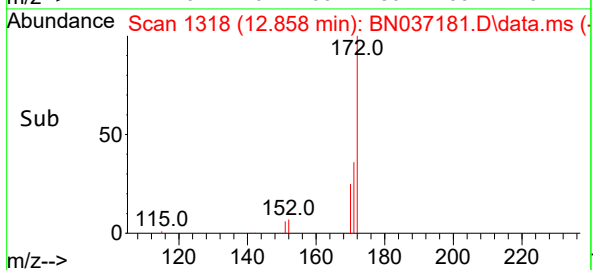
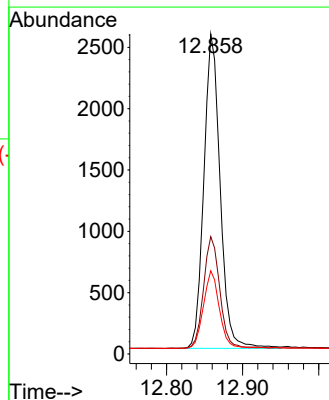
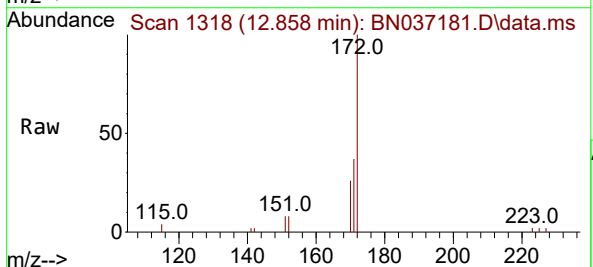
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

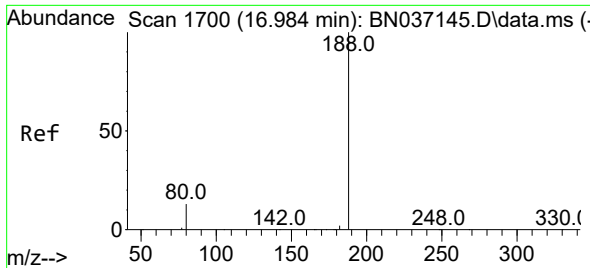
Tgt Ion:330 Resp: 423
Ion Ratio Lower Upper
330 100
332 93.9 77.1 115.7
141 68.6 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:172 Resp: 3823
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 26.0 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037181.D

Acq: 05 Jun 2025 15:08

Instrument :

BNA_N

ClientSampleId :

MW-11B-37.5-060325

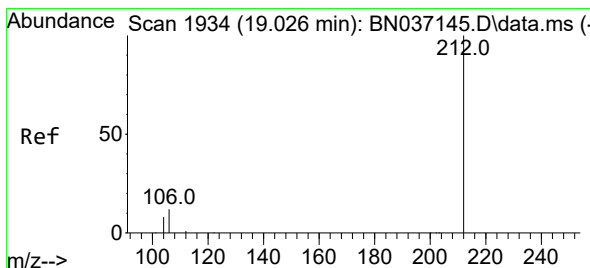
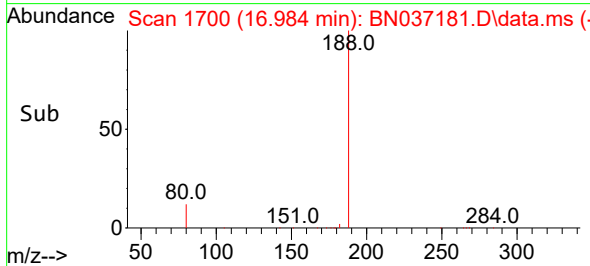
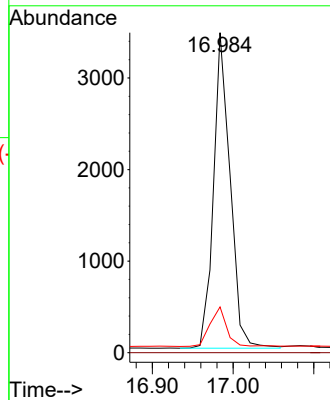
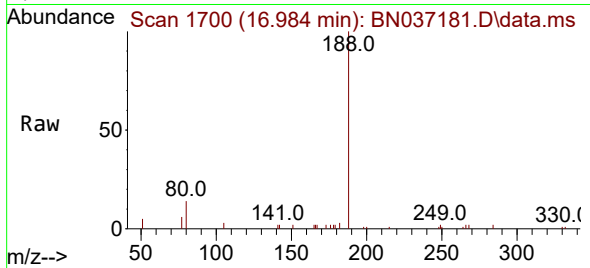
Tgt Ion:188 Resp: 4922

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.3 11.3 16.9



#27

Fluoranthene-d10

Concen: 0.361 ng

RT: 19.022 min Scan# 1933

Delta R.T. -0.005 min

Lab File: BN037181.D

Acq: 05 Jun 2025 15:08

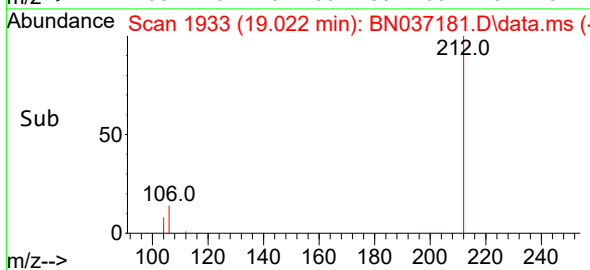
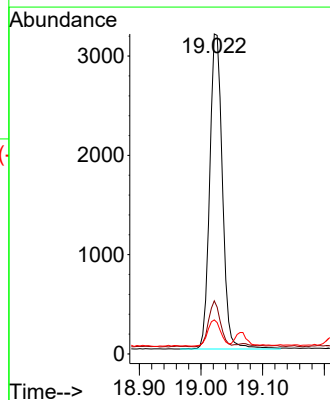
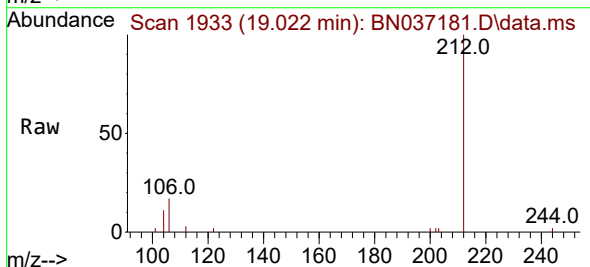
Tgt Ion:212 Resp: 4519

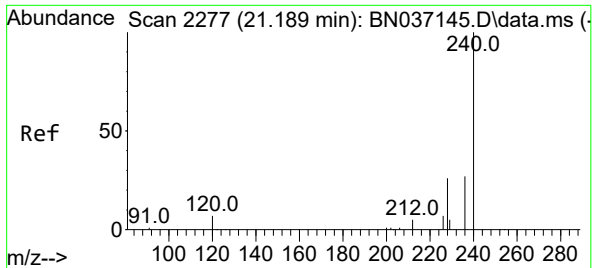
Ion Ratio Lower Upper

212 100

106 13.5 10.6 15.8

104 8.4 6.6 9.8

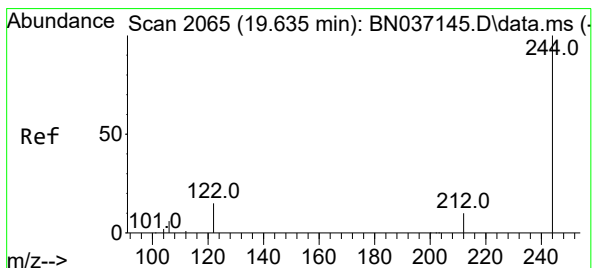
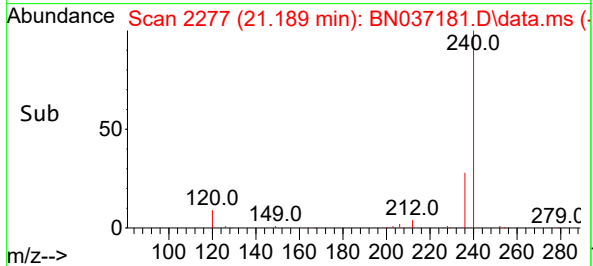
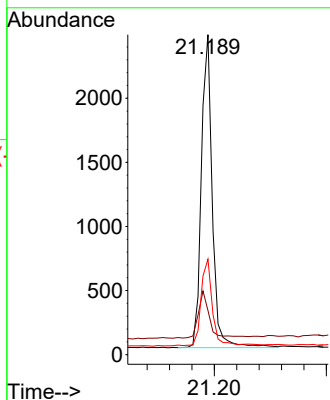
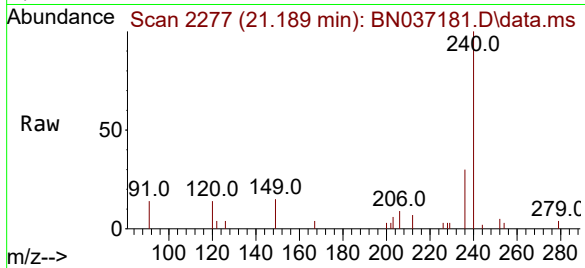




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 21189
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

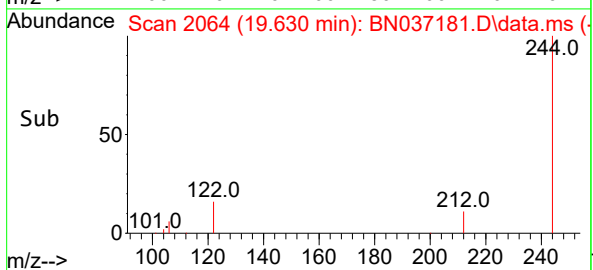
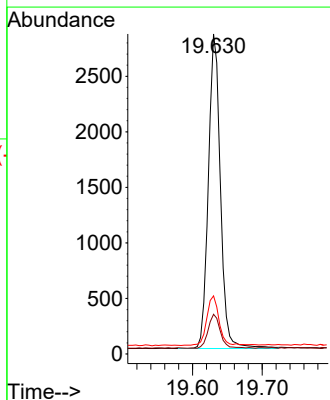
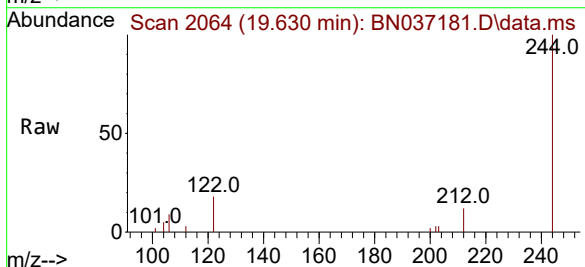
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

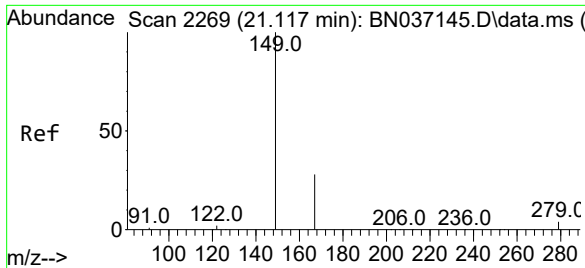
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.0	13.4#
236	29.8	23.0	34.4



#31
Terphenyl-d14
Concen: 0.437 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.4	10.0	15.0
122	18.2	13.2	19.8

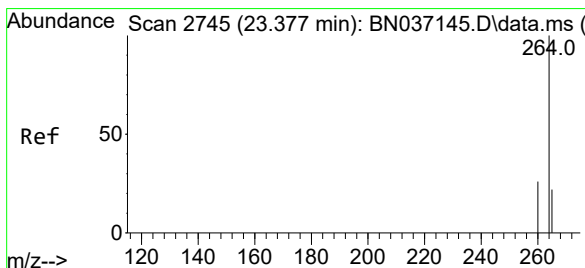
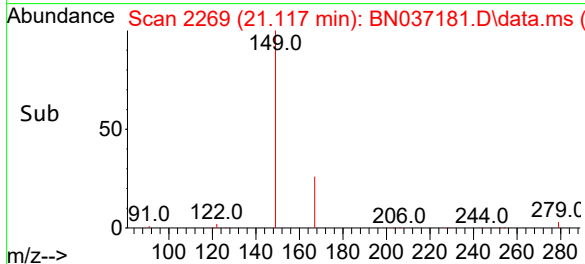
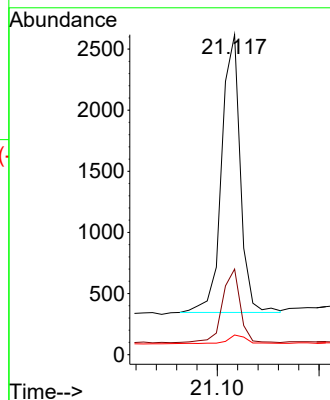
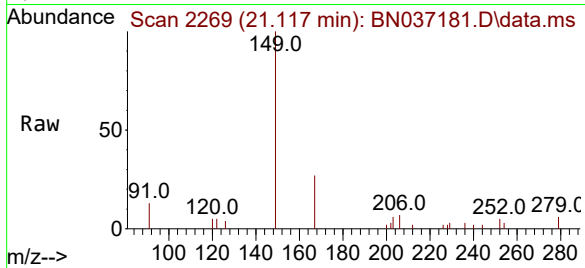




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.382 ng
RT: 21.117 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

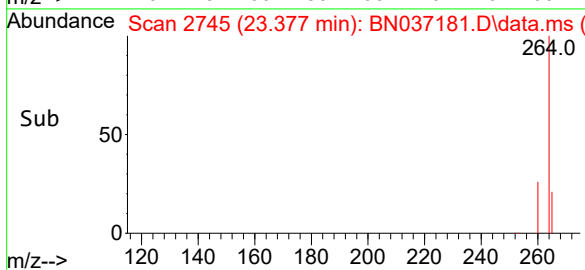
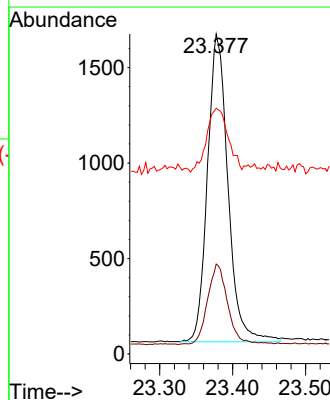
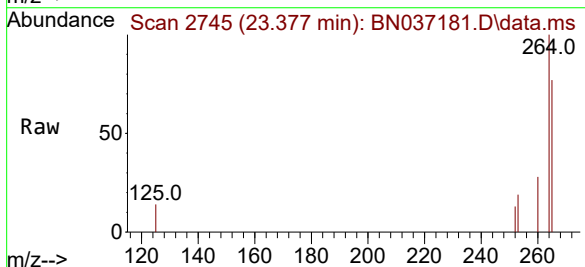
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

Tgt Ion:149 Resp: 2890
Ion Ratio Lower Upper
149 100
167 25.0 21.0 31.4
279 2.9 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:264 Resp: 3148
Ion Ratio Lower Upper
264 100
260 28.1 22.1 33.1
265 76.8 55.8 83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-11B-37.5-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-05DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037185.D	10	06/04/25 11:46	06/05/25 18:10	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	25.1	D	0.68	2.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		30 (30) - 130 (155)	83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		30 (54) - 130 (175)	113%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1670		7.589		
1146-65-2	Naphthalene-d8	4200		10.372		
15067-26-2	Acenaphthene-d10	2310		14.234		
1517-22-2	Phenanthrene-d10	4170		16.984		
1719-03-5	Chrysene-d12	2650		21.188		
1520-96-3	Perylene-d12	2590		23.377		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037185.D
 Acq On : 05 Jun 2025 18:10
 Operator : RC/JU
 Sample : Q2200-05DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11B-37.5-060325DL

Quant Time: Jun 05 18:41:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

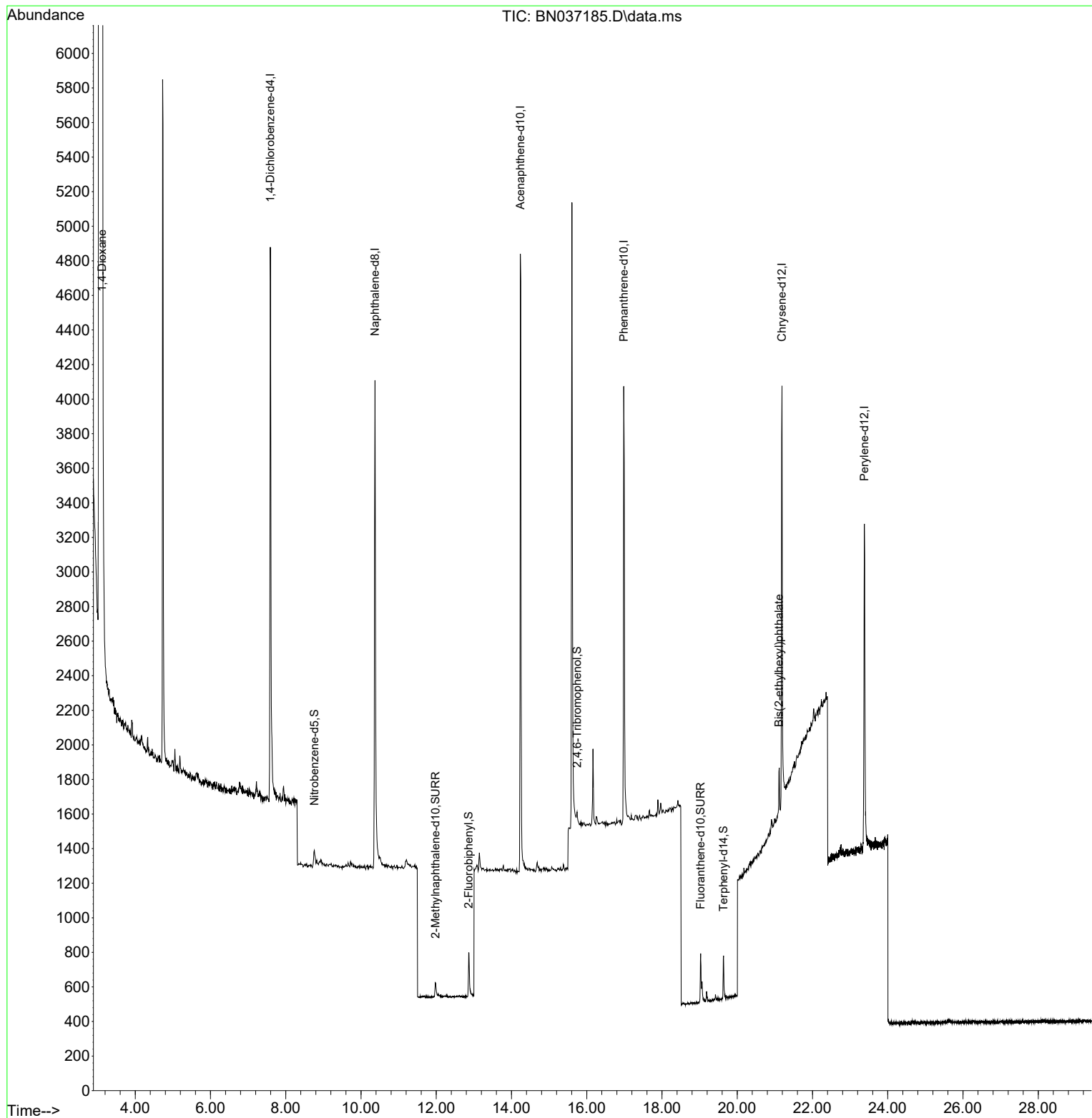
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1668	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4203	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2312	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4171	0.400	ng	0.00
29) Chrysene-d12	21.188	240	2654	0.400	ng	0.00
35) Perylene-d12	23.377	264	2589	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	65	0.016	ng	0.00
5) Phenol-d6	6.773	99	43	0.009	ng	0.00
8) Nitrobenzene-d5	8.760	82	160	0.036	ng	0.02
11) 2-Methylnaphthalene-d10	11.981	152	181	0.031	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	42	0.045	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	325	0.033	ng	0.00
27) Fluoranthene-d10	19.026	212	390	0.037	ng	0.00
31) Terphenyl-d14	19.635	244	283	0.045	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	5418	2.437	ng	99
34) Bis(2-ethylhexyl)phtha...	21.108	149	342	0.056	ng	# 88

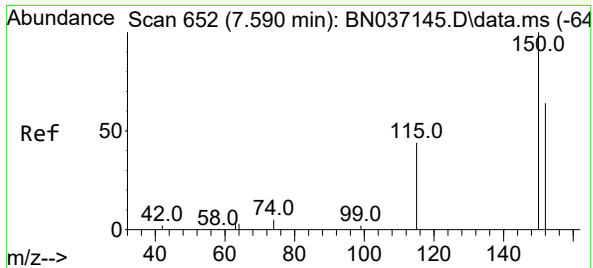
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037185.D
Acq On : 05 Jun 2025 18:10
Operator : RC/JU
Sample : Q2200-05DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

Quant Time: Jun 05 18:41:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

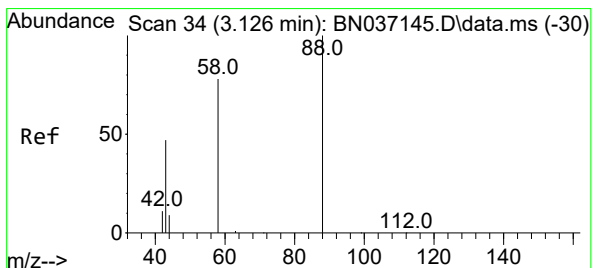
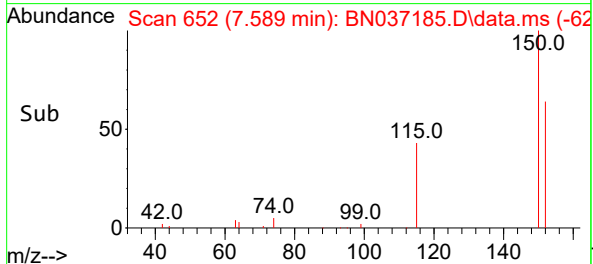
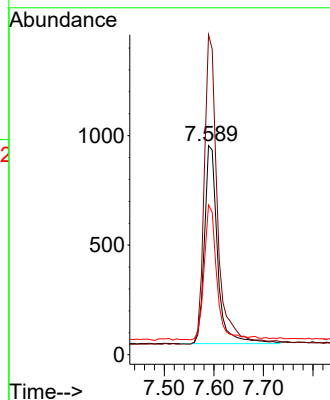
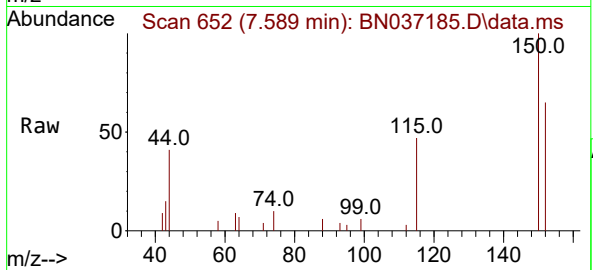




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

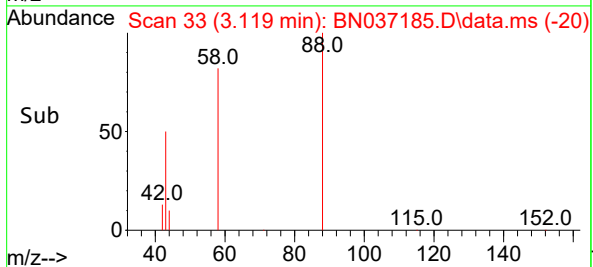
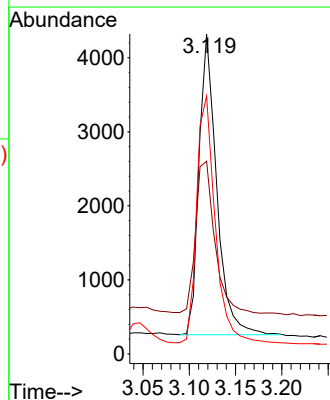
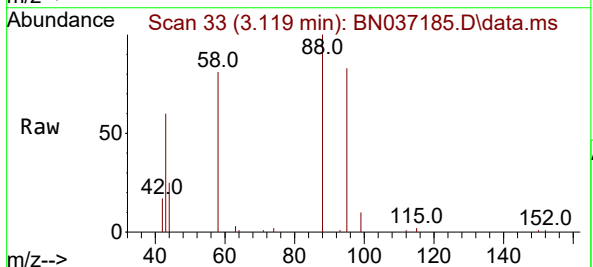
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

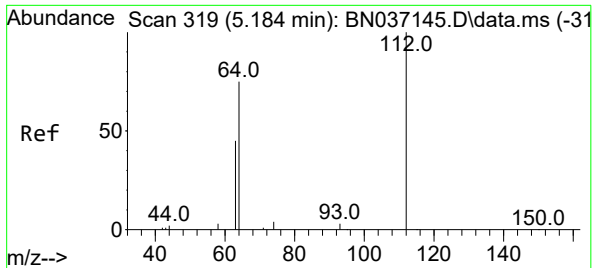
Tgt Ion:152 Resp: 1668
Ion Ratio Lower Upper
152 100
150 153.0 123.2 184.8
115 71.6 56.6 85.0



#2
1,4-Dioxane
Concen: 2.437 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion: 88 Resp: 5418
Ion Ratio Lower Upper
88 100
43 55.0 43.5 65.3
58 85.6 67.7 101.5

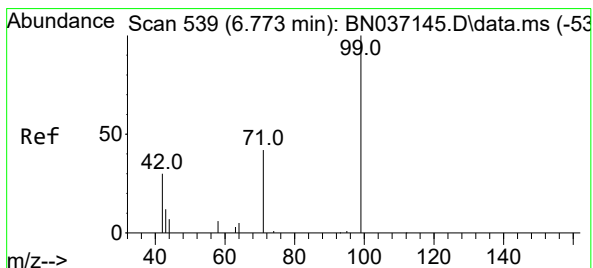
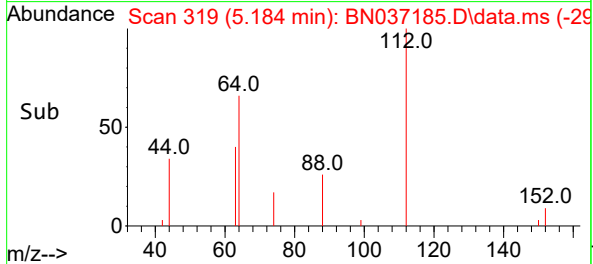
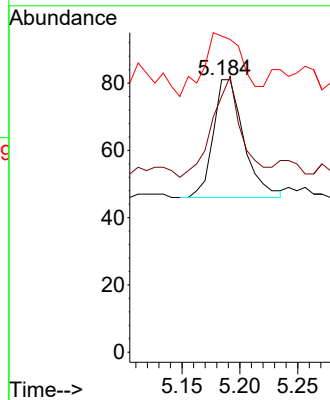
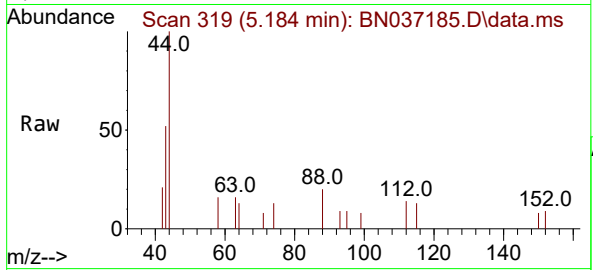




#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

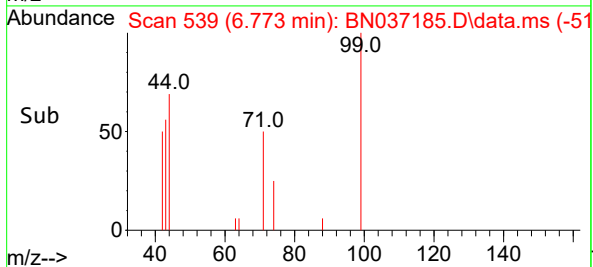
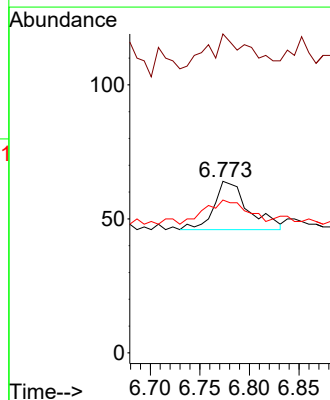
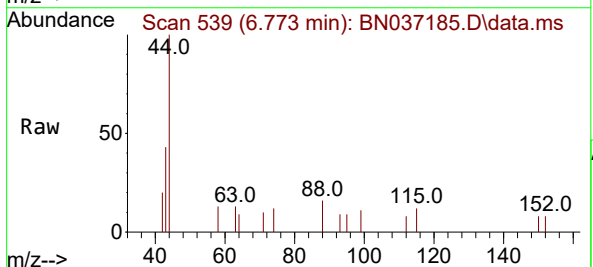
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

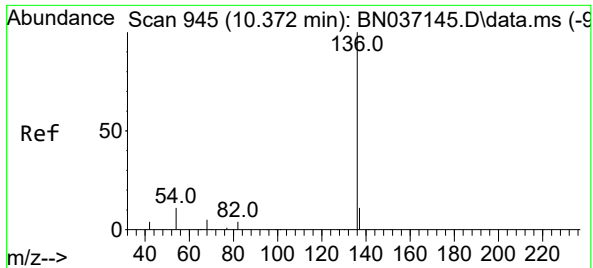
Tgt Ion:112 Resp: 65
Ion Ratio Lower Upper
112 100
64 78.5 56.3 84.5
63 64.6 36.2 54.4#



#5
Phenol-d6
Concen: 0.009 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion: 99 Resp: 43
Ion Ratio Lower Upper
99 100
42 83.7 31.3 46.9#
71 67.4 38.2 57.2#

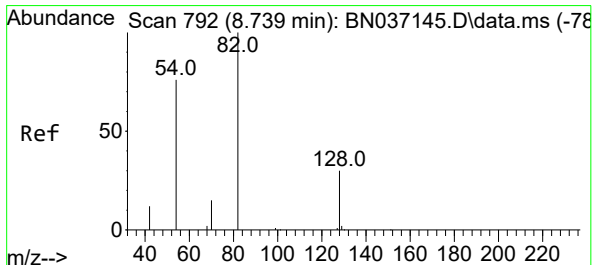
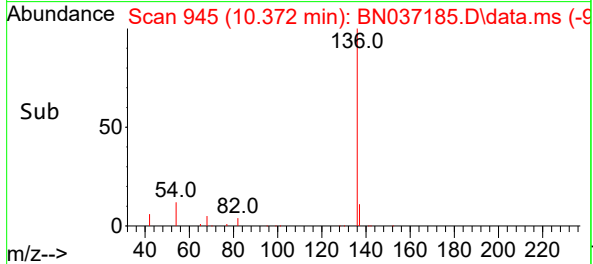
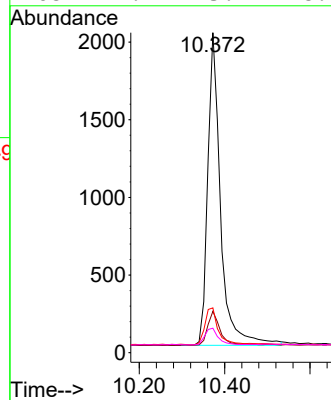
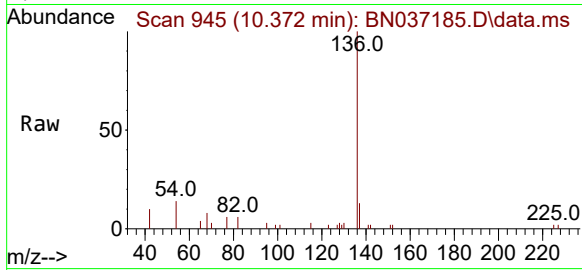




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

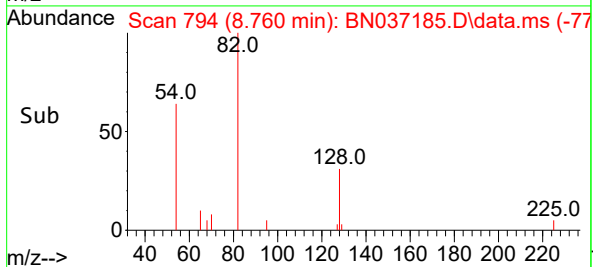
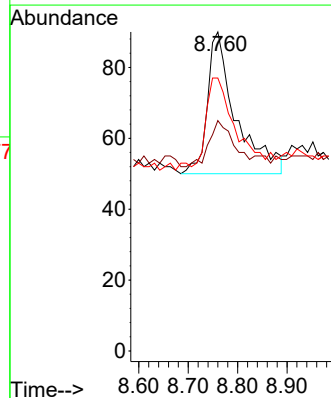
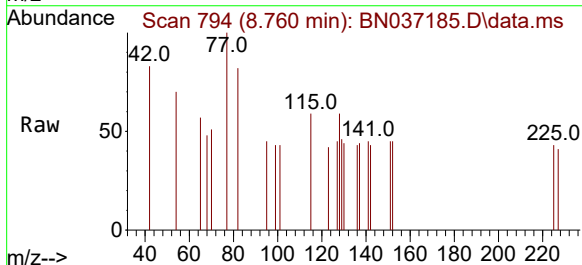
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

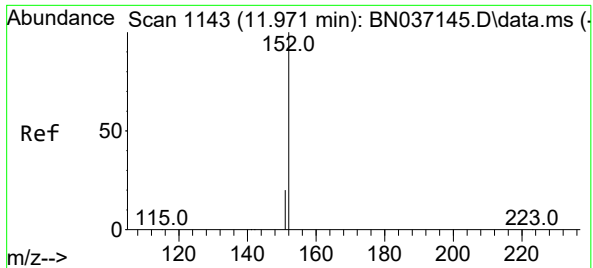
Tgt Ion:	136	Resp:	4203
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.7	14.5
54	14.0	9.7	14.5
68	7.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.036 ng
RT: 8.760 min Scan# 794
Delta R.T. 0.021 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:	82	Resp:	160
Ion	Ratio	Lower	Upper
82	100		
128	72.2	26.9	40.3#
54	85.6	61.4	92.2

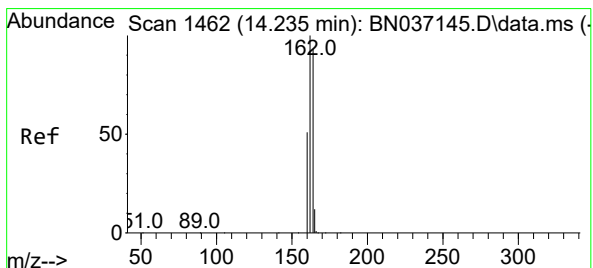
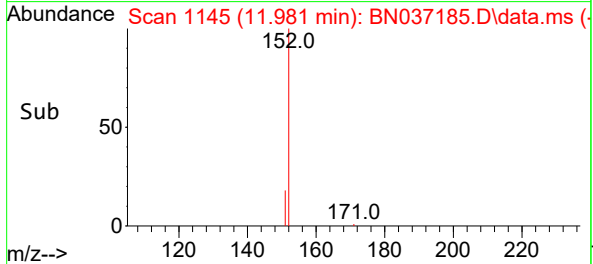
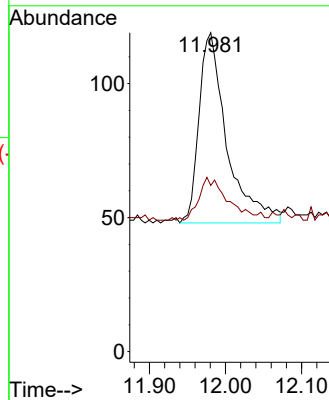
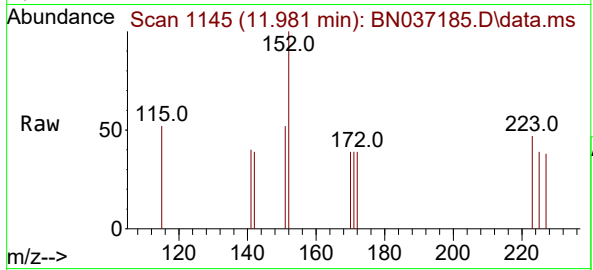




#11
2-Methylnaphthalene-d10
Concen: 0.031 ng
RT: 11.981 min Scan# 1145
Delta R.T. 0.010 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

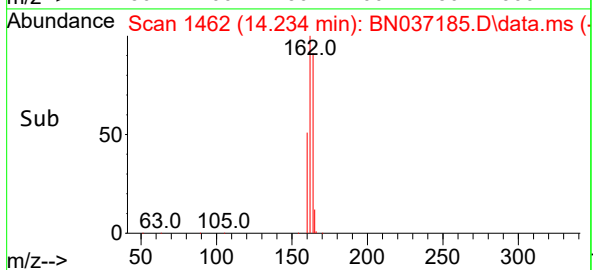
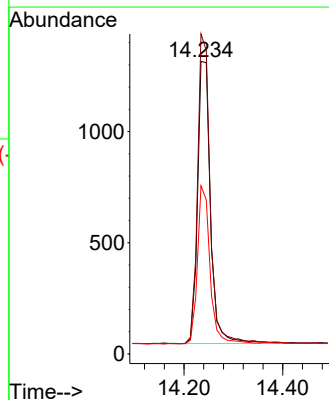
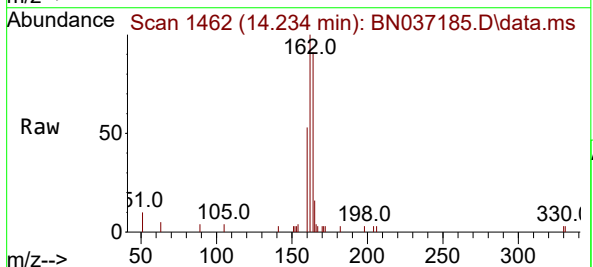
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

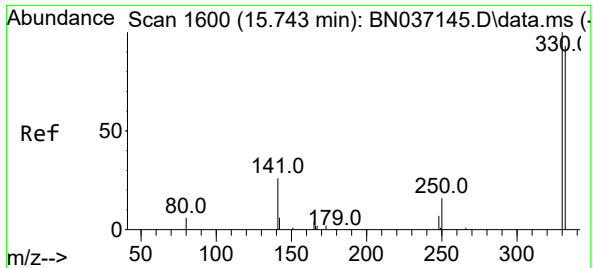
Tgt Ion:152 Resp: 181
Ion Ratio Lower Upper
152 100
151 25.4 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:164 Resp: 2312
Ion Ratio Lower Upper
164 100
162 109.4 85.5 128.3
160 57.5 44.6 67.0

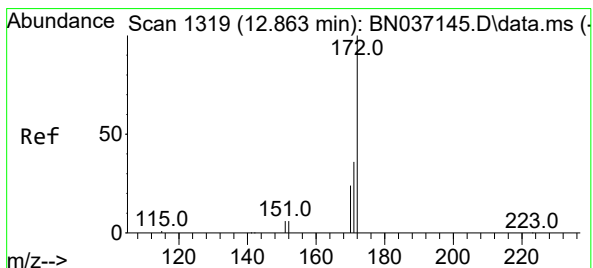
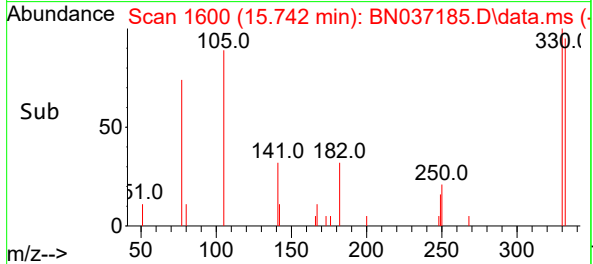
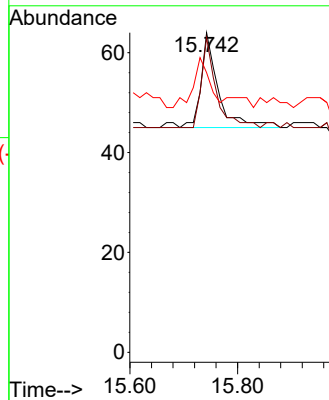
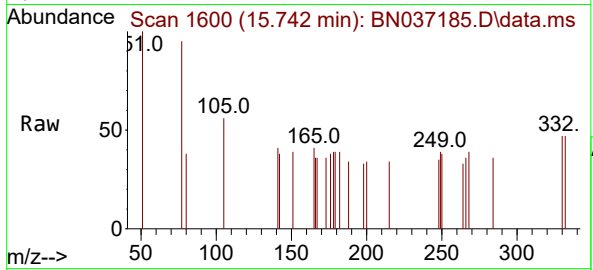




#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.742 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

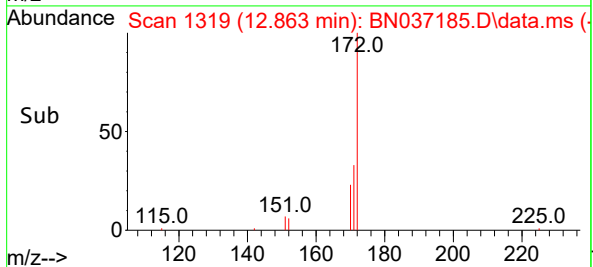
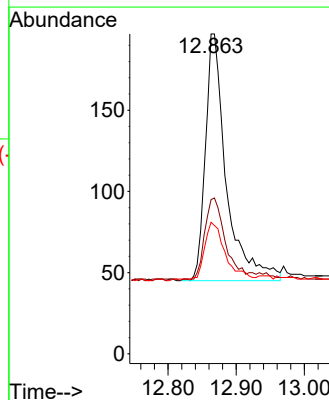
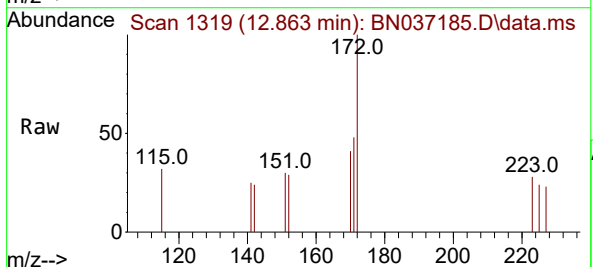
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

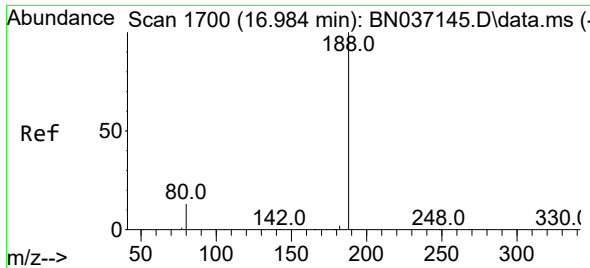
Tgt Ion:330 Resp: 42
Ion Ratio Lower Upper
330 100
332 81.0 77.1 115.7
141 50.0 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 12.863 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:172 Resp: 325
Ion Ratio Lower Upper
172 100
171 48.2 29.6 44.4#
170 41.1 20.3 30.5#

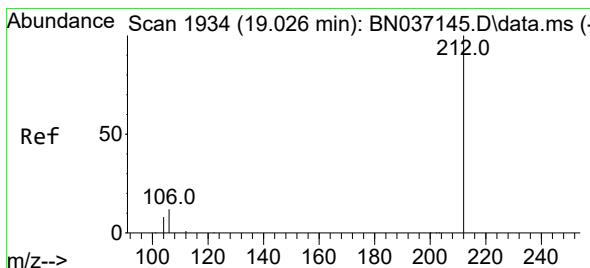
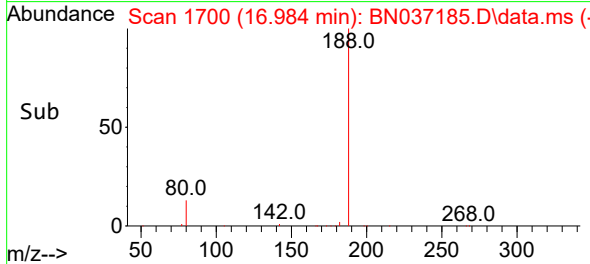
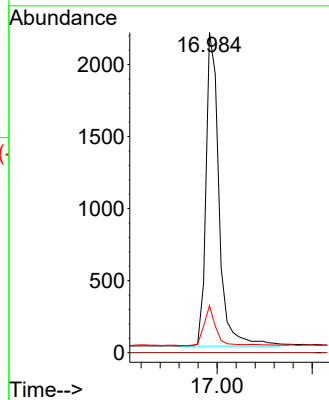
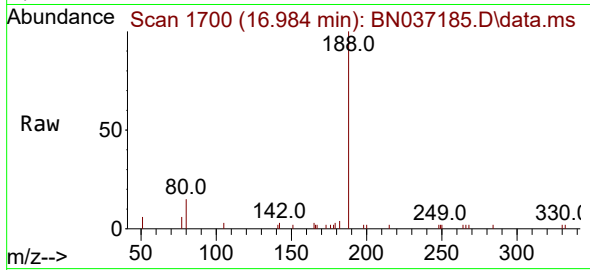




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

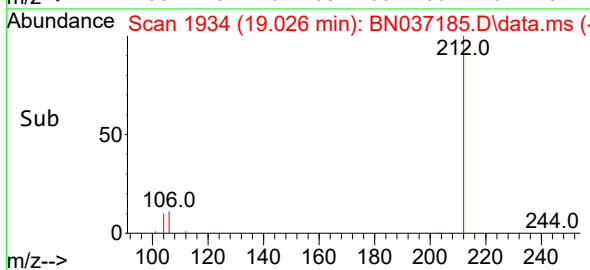
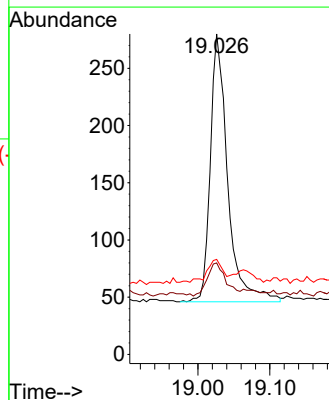
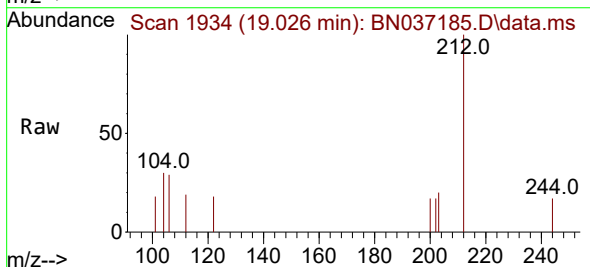
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

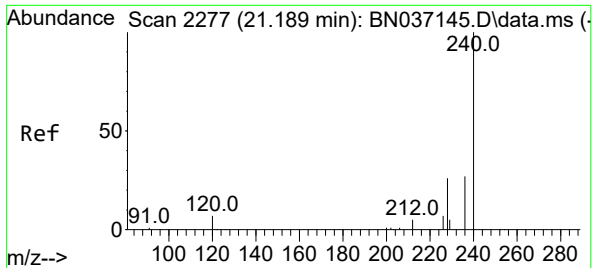
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.7	11.3	16.9



#27
Fluoranthene-d10
Concen: 0.037 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.6	15.8
104	8.5	6.6	9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037185.D

Acq: 05 Jun 2025 18:10

Instrument :

BNA_N

ClientSampleId :

MW-11B-37.5-060325DL

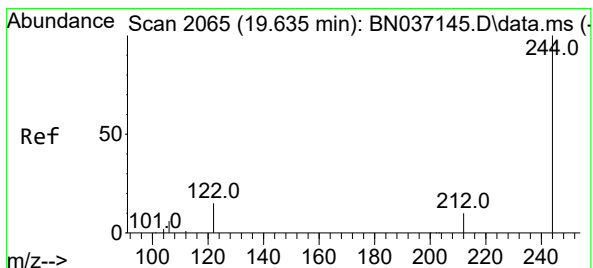
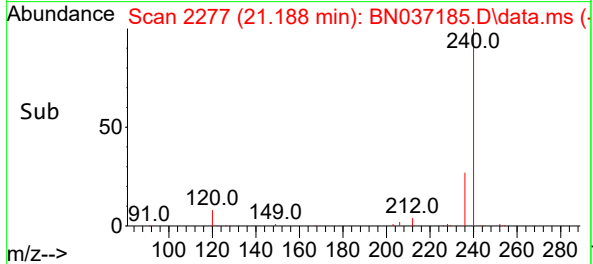
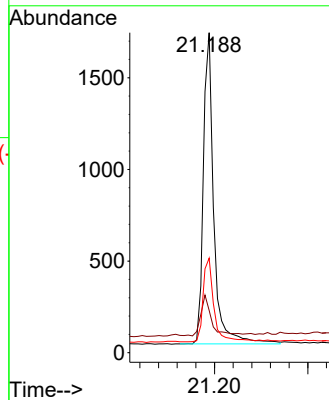
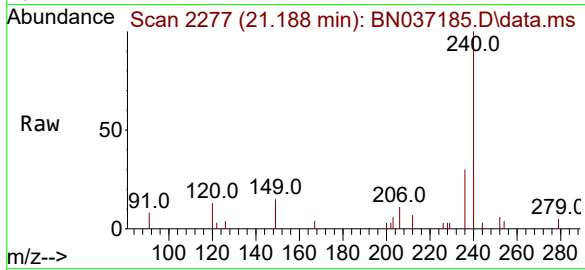
Tgt Ion:240 Resp: 2654

Ion Ratio Lower Upper

240 100

120 13.2 9.0 13.4

236 29.6 23.0 34.4



#31

Terphenyl-d14

Concen: 0.045 ng

RT: 19.635 min Scan# 2065

Delta R.T. -0.000 min

Lab File: BN037185.D

Acq: 05 Jun 2025 18:10

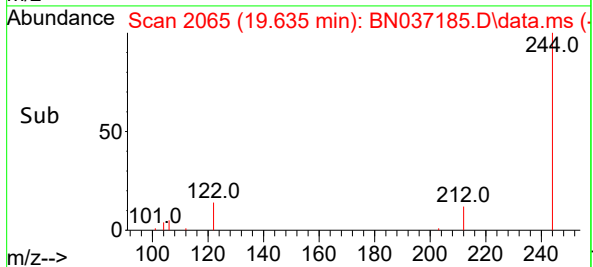
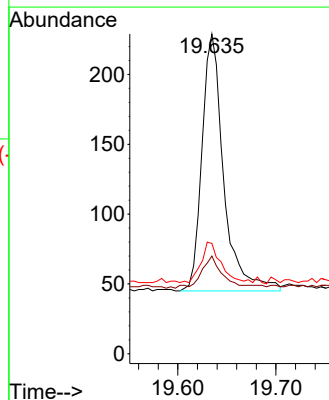
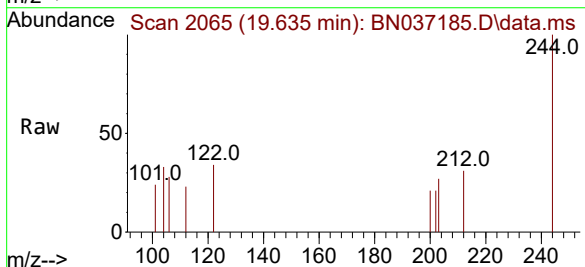
Tgt Ion:244 Resp: 283

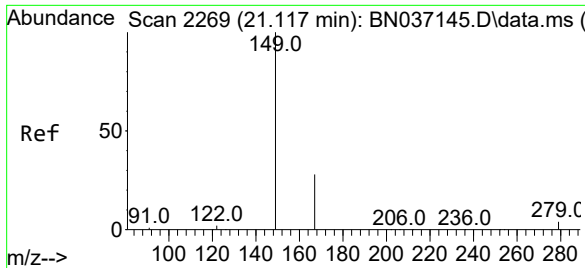
Ion Ratio Lower Upper

244 100

212 30.6 10.0 15.0#

122 34.5 13.2 19.8#

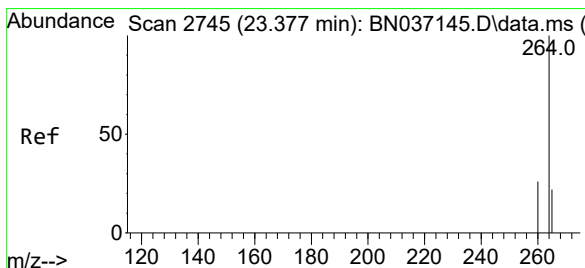
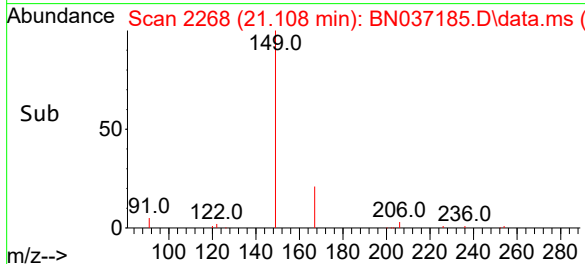
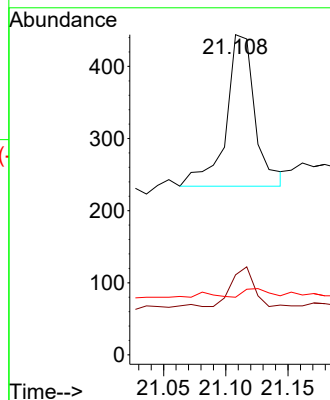
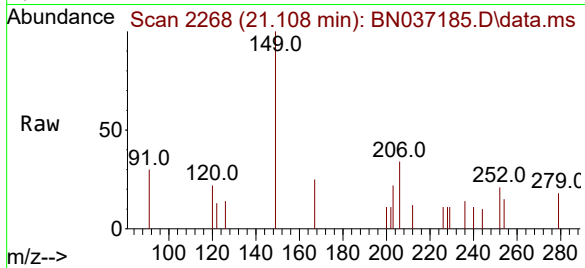




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.056 ng
RT: 21.108 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

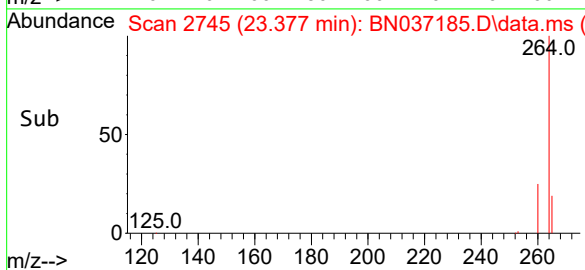
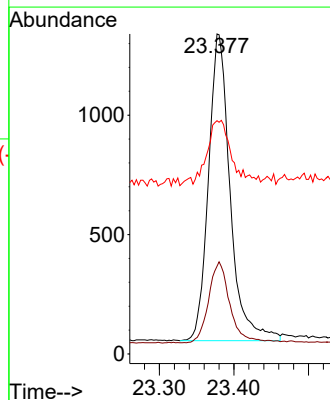
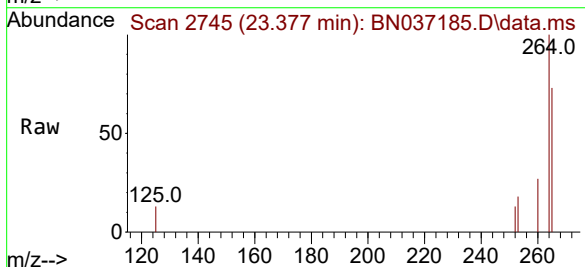
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

Tgt Ion:149 Resp: 342
Ion Ratio Lower Upper
149 100
167 19.3 21.0 31.4#
279 5.0 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:264 Resp: 2589
Ion Ratio Lower Upper
264 100
260 27.4 22.1 33.1
265 72.9 55.8 83.8





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG No.: Q2200
 Instrument ID: BNA_N Calibration Date(s): 06/03/2025 06/03/2025
 Calibration Time(s): 11:39 15:14

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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

Calibration Files

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

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

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

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

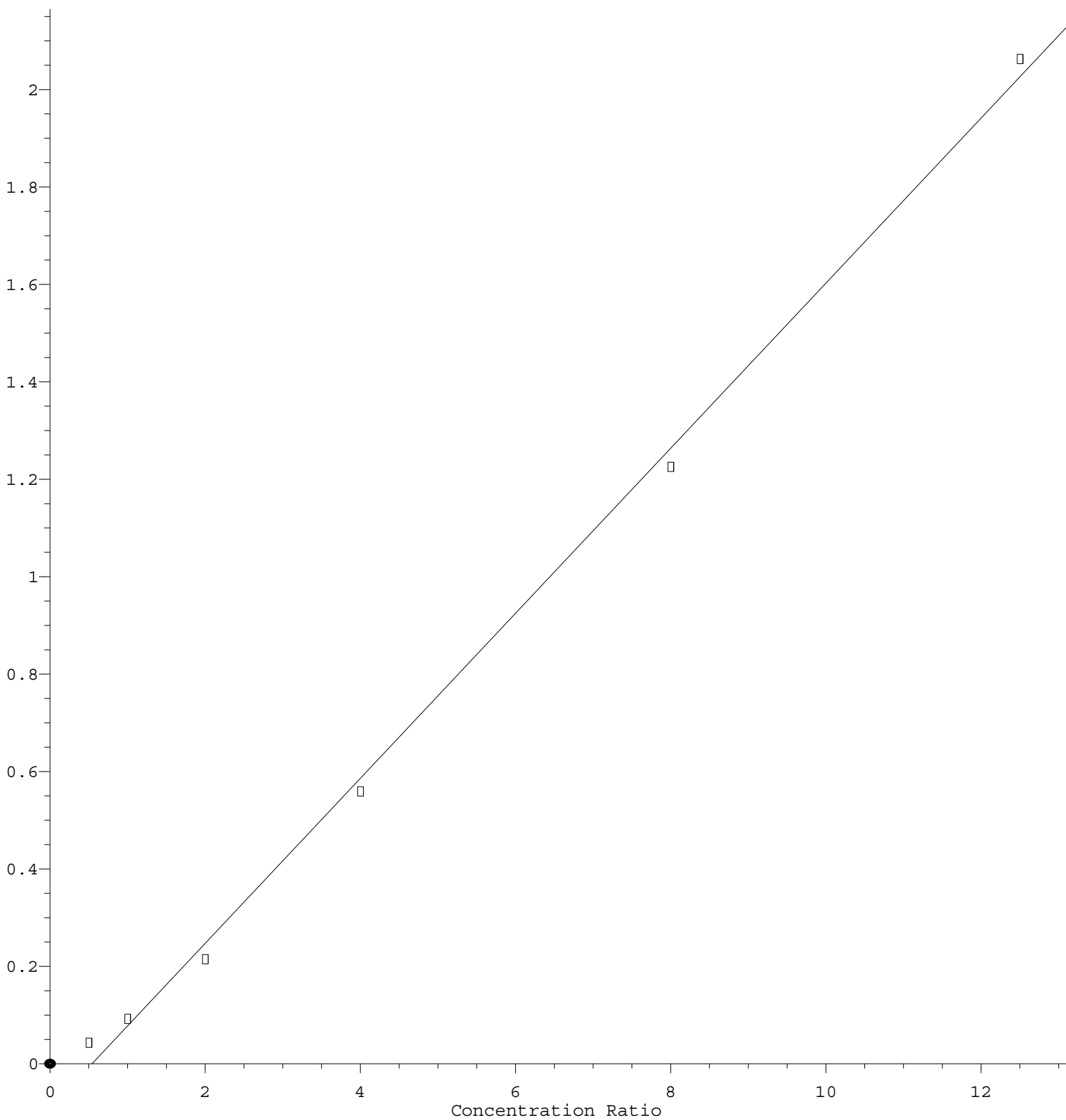
Method File : 8270-SIM-BN060325.M

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

(#) = Out of Range

Pentachlorophenol

Response Ratio



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

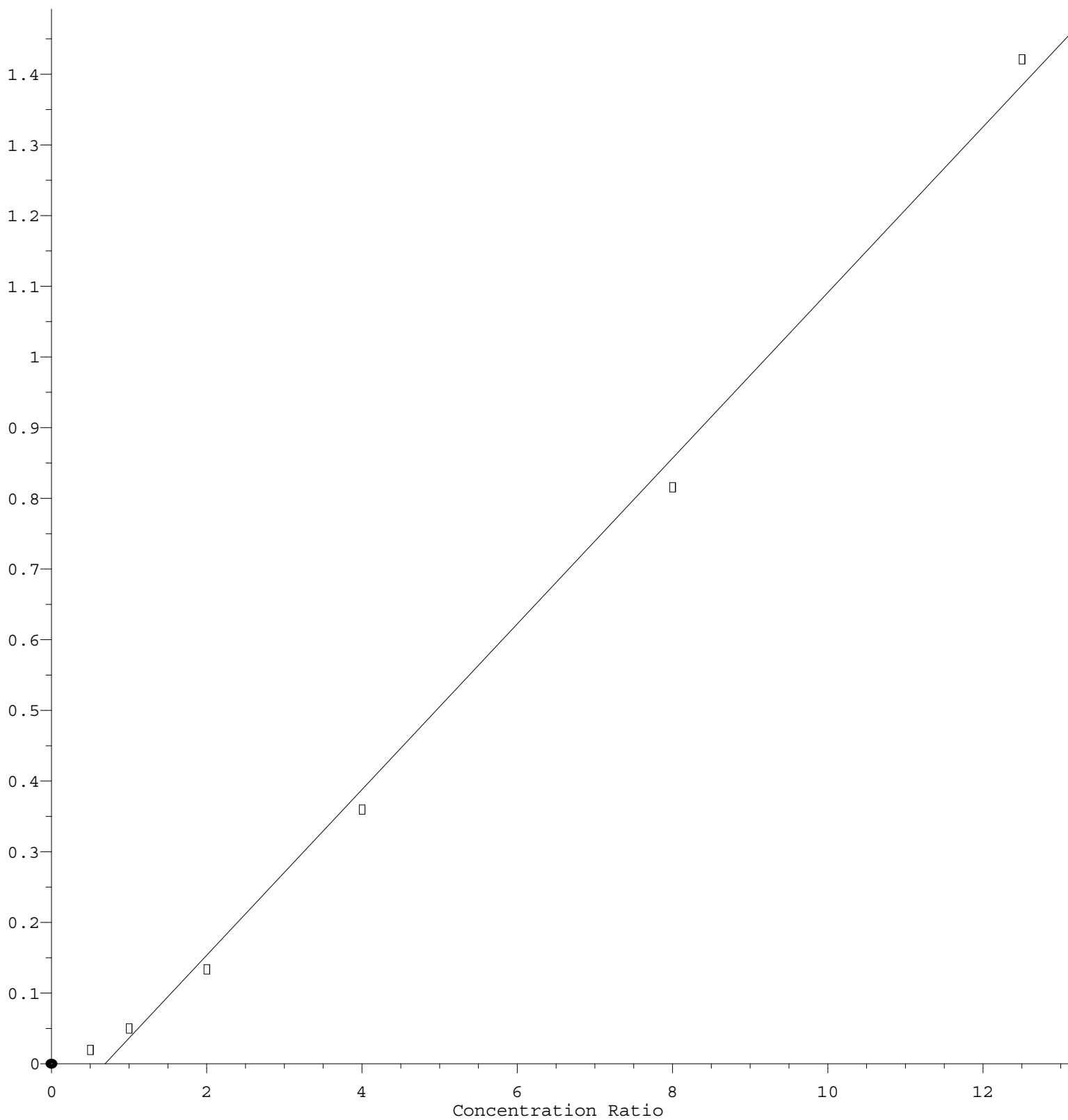
Coef of Det (r^2) = 0.997707 Curve Fit: Linear

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

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

4,6-Dinitro-2-methylphenol

Response Ratio



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

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

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

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

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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

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

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

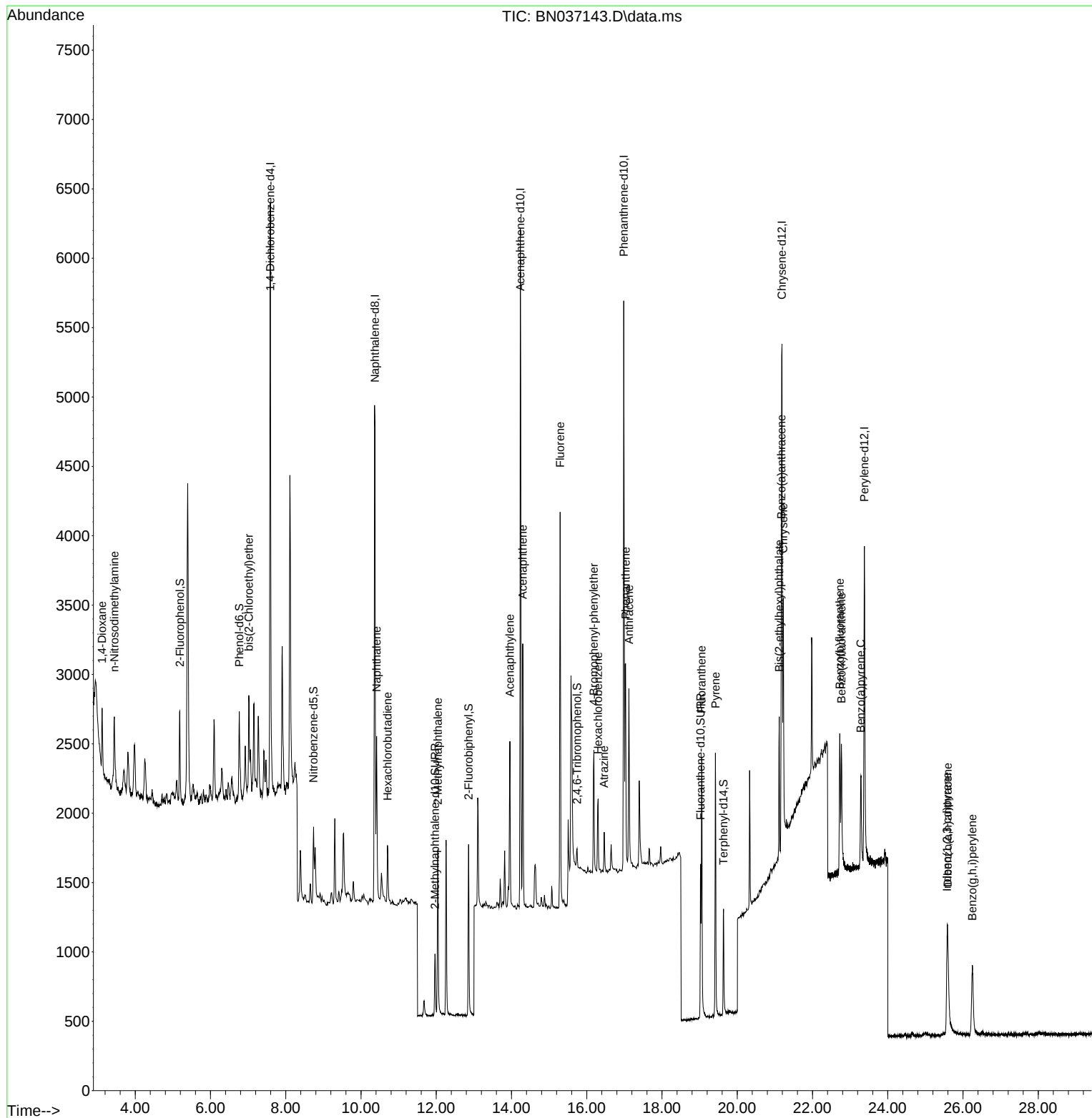
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	2014	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4942	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2688	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5431	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3598	0.400	ng	# 0.00
35) Perylene-d12	23.380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

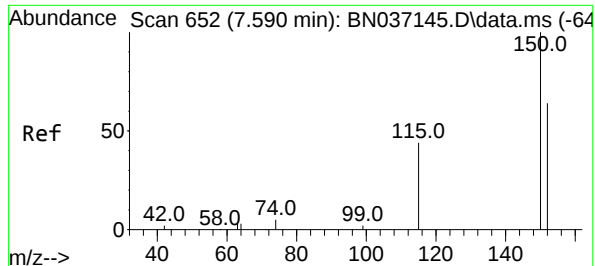
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

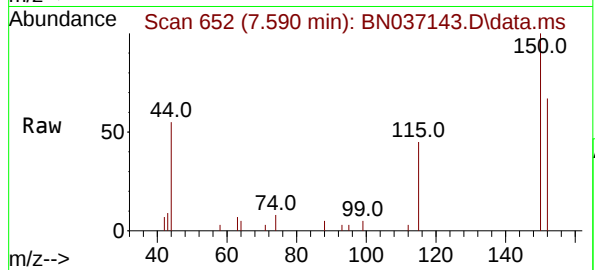
Quant Time: Jun 04 01:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



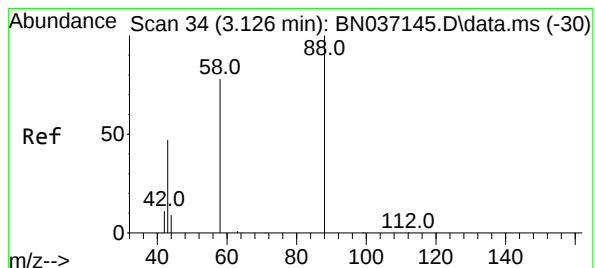
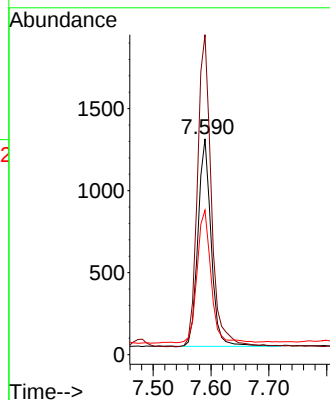
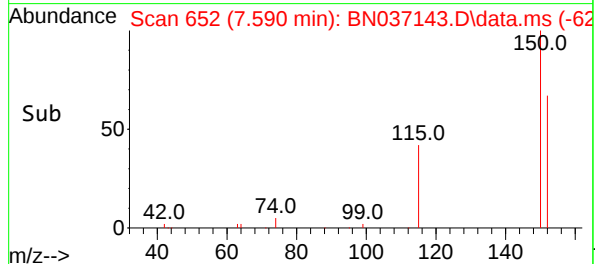


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

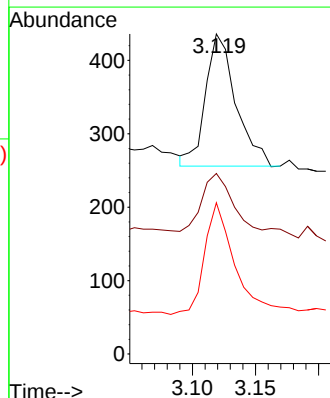
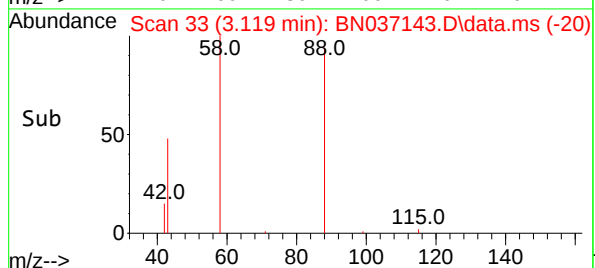
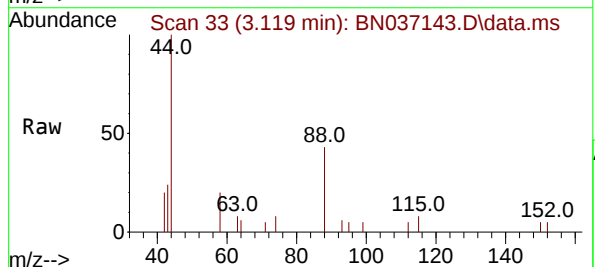


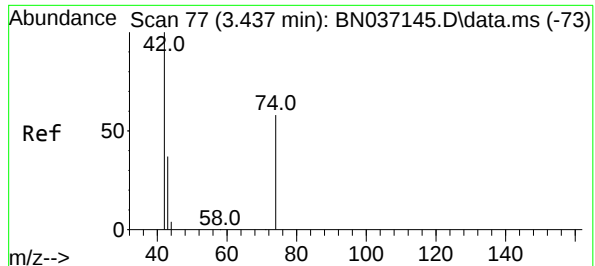
Tgt Ion:152 Resp: 2014
Ion Ratio Lower Upper
152 100
150 148.3 123.2 184.8
115 66.9 56.6 85.0



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

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

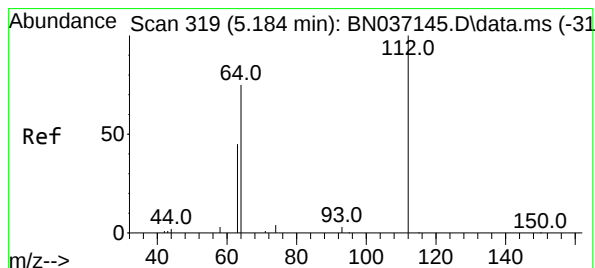
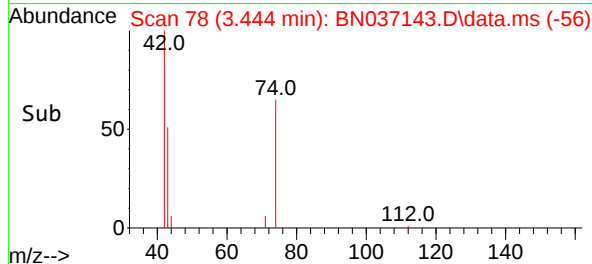
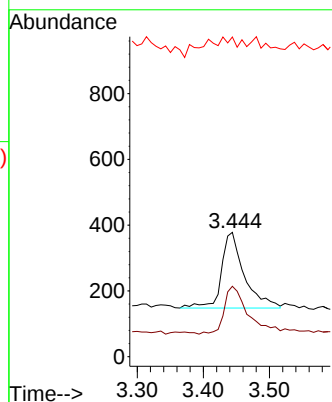
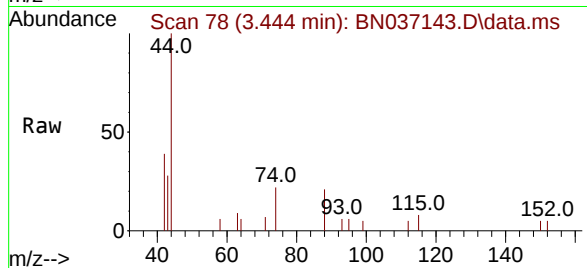




#3
n-Nitrosodimethylamine
Concen: 0.103 ng
RT: 3.444 min Scan# 71
Delta R.T. 0.007 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

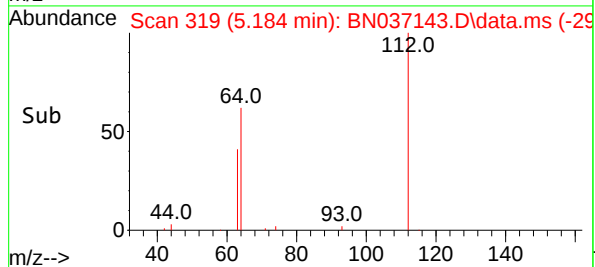
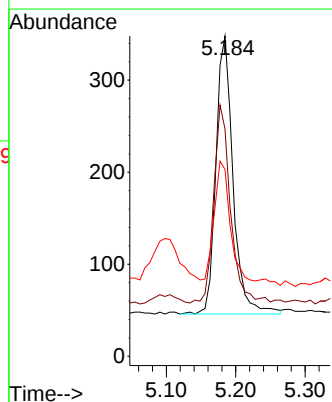
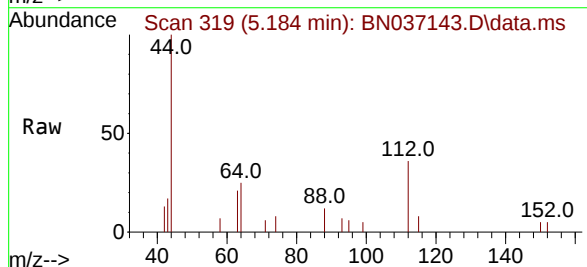
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

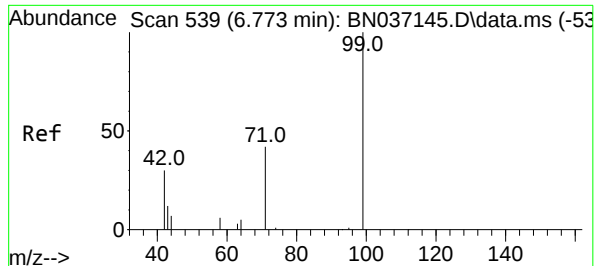
Tgt Ion: 42 Resp: 553
Ion Ratio Lower Upper
42 100
74 70.2 53.0 79.4
44 6.9 5.9 8.9



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

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

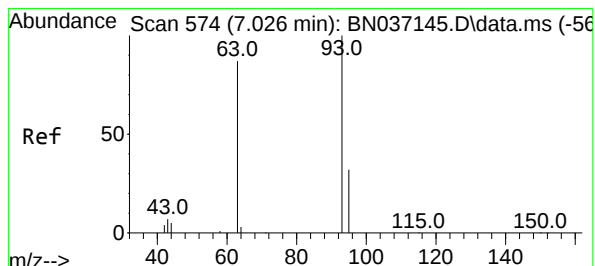
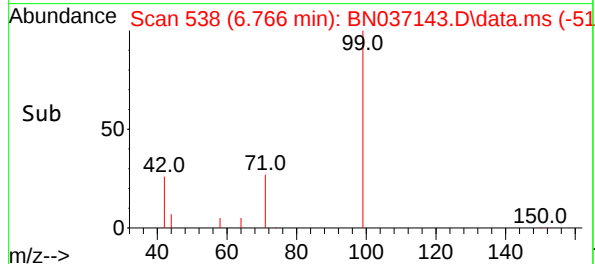
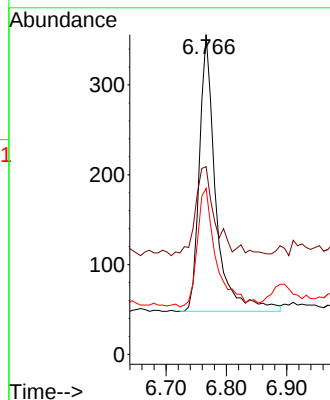
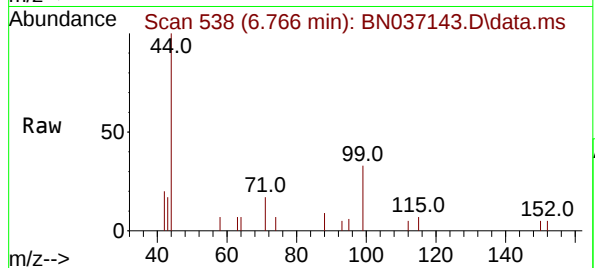




#5
Phenol-d6
Concen: 0.096 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

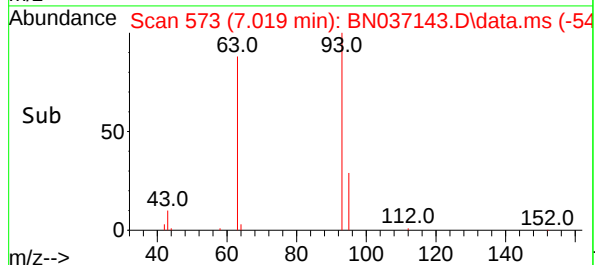
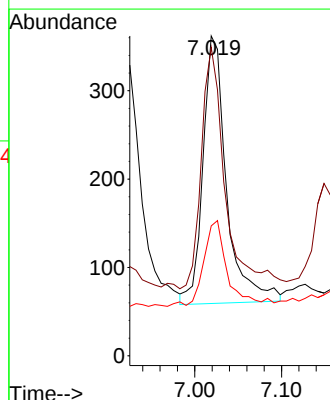
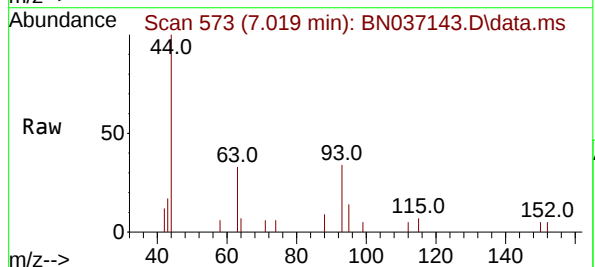
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

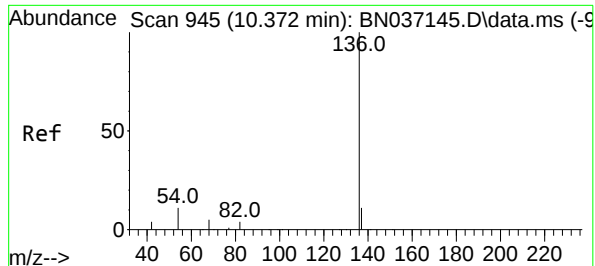
Tgt Ion: 99 Resp: 582
Ion Ratio Lower Upper
99 100
42 37.3 31.3 46.9
71 49.7 38.2 57.2



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

Tgt Ion: 93 Resp: 573
Ion Ratio Lower Upper
93 100
63 91.4 68.6 103.0
95 31.6 24.3 36.5

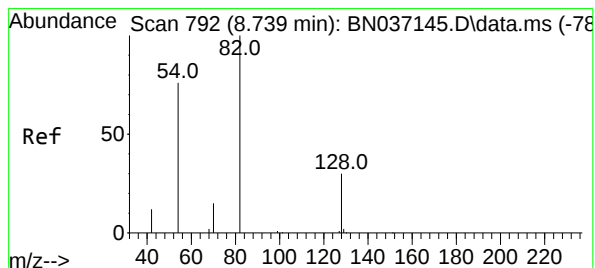
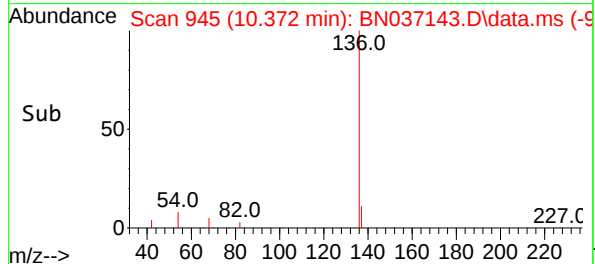
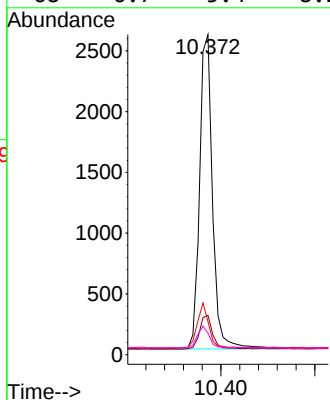
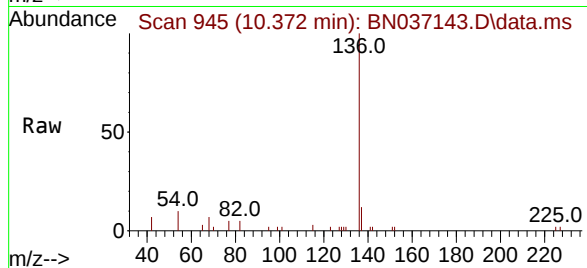




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

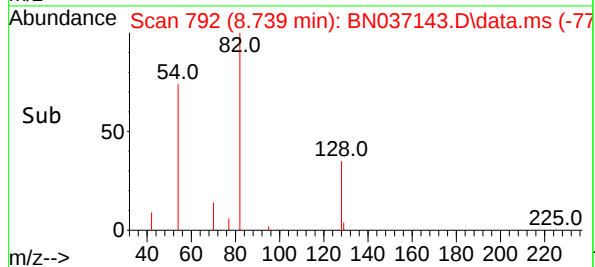
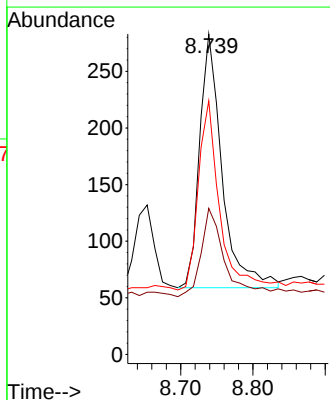
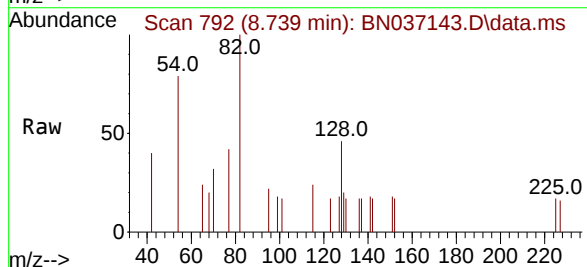
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

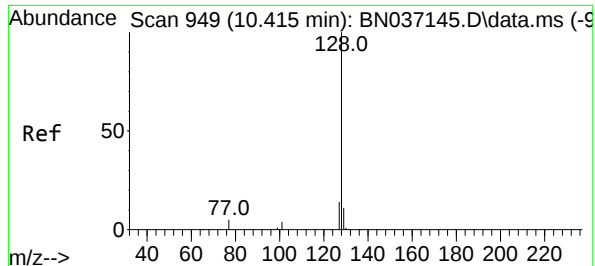
Tgt Ion:	136	Resp:	4942
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	10.3	9.7	14.5
68	6.7	5.4	8.2



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

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

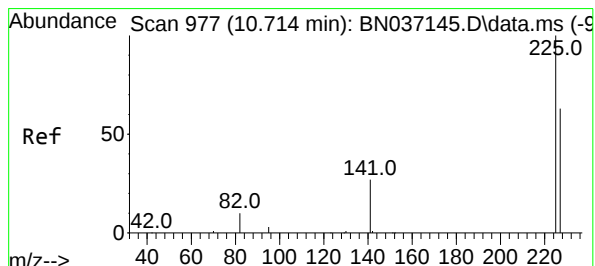
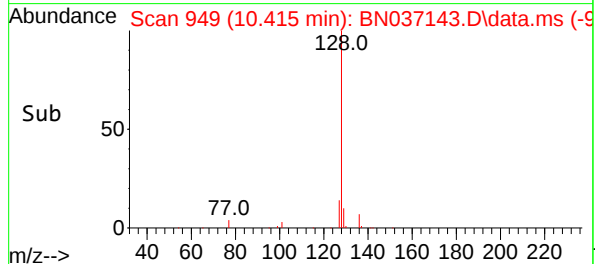
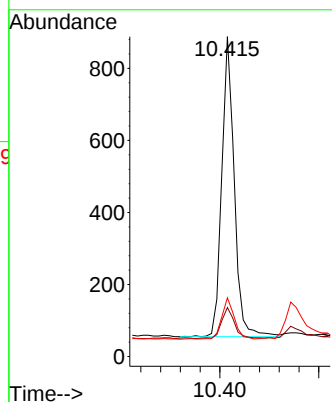
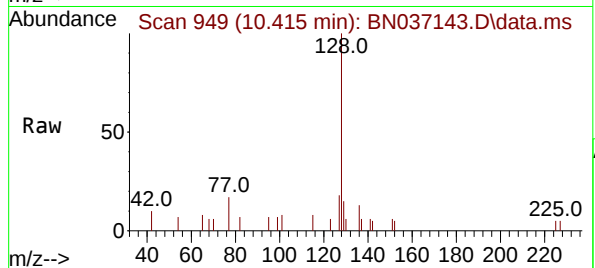




#9
Naphthalene
Concen: 0.103 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

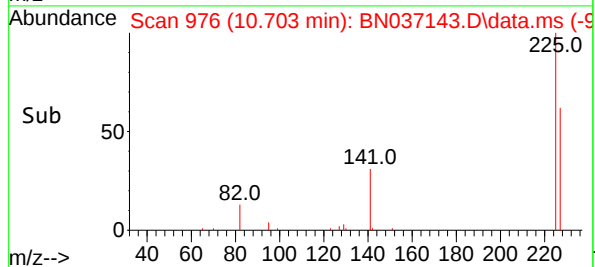
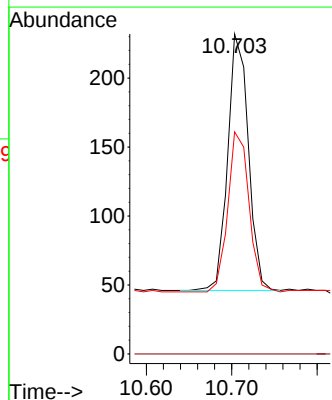
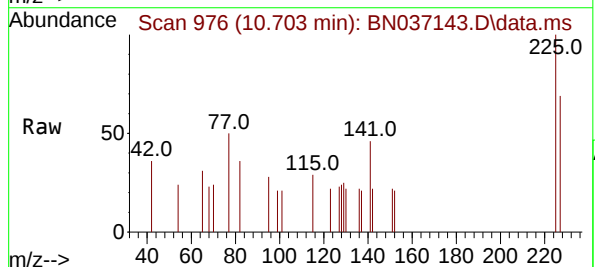
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

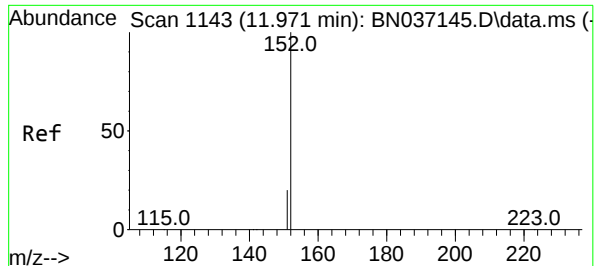
Tgt Ion:128 Resp: 1462
Ion Ratio Lower Upper
128 100
129 15.3 9.8 14.8#
127 18.4 12.3 18.5



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

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

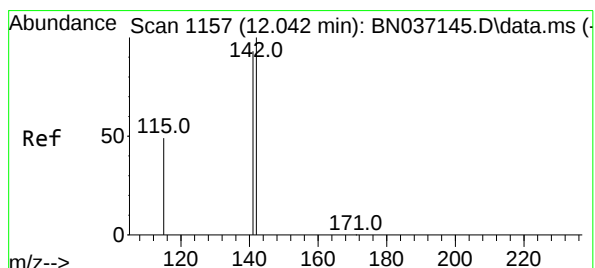
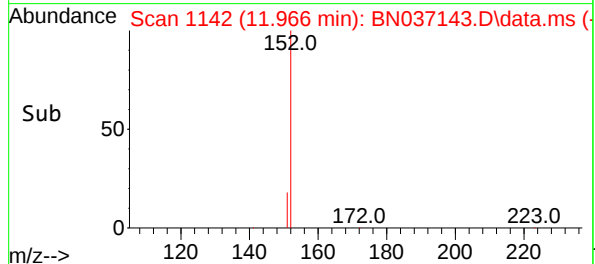
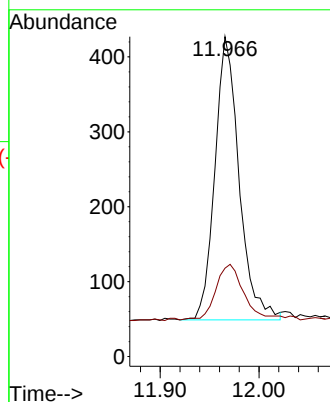
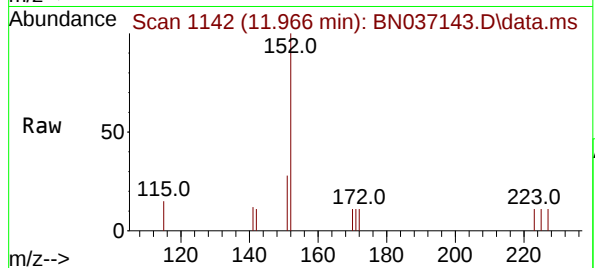




#11
2-Methylnaphthalene-d10
Concen: 0.093 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

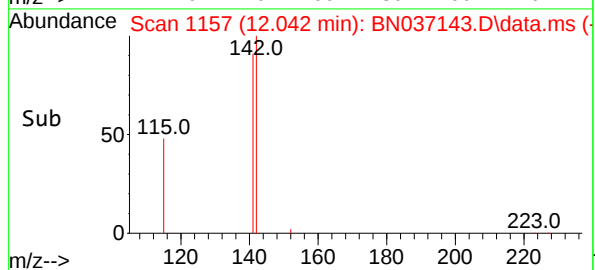
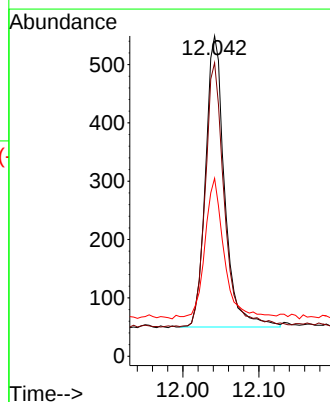
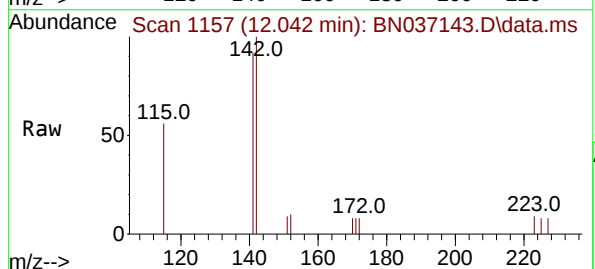
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

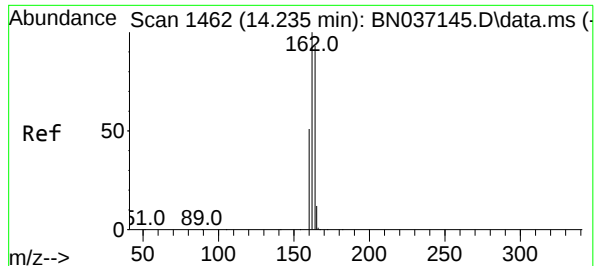
Tgt Ion:152 Resp: 643
Ion Ratio Lower Upper
152 100
151 23.0 17.1 25.7



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

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

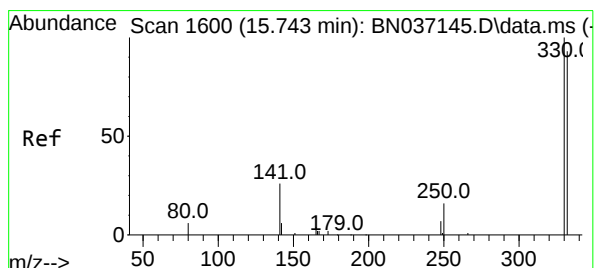
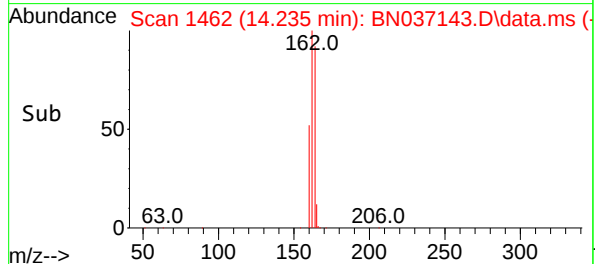
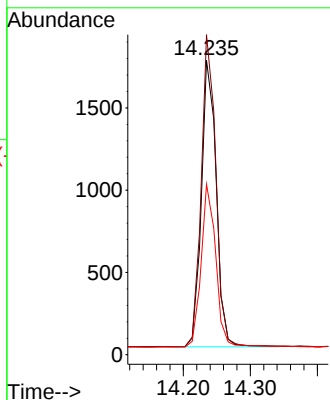
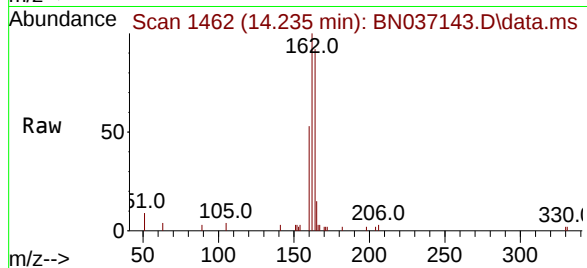




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

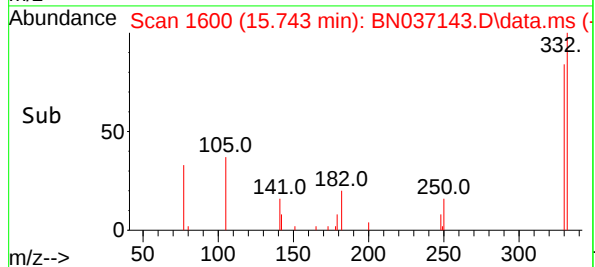
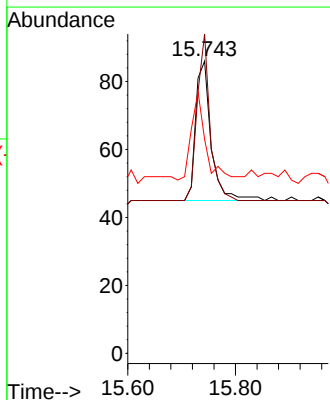
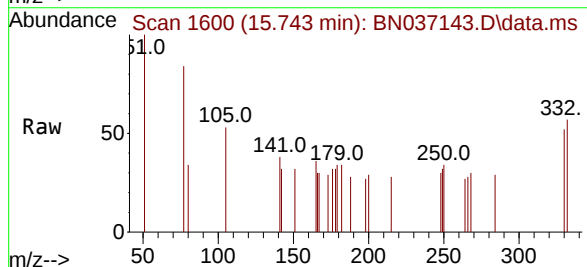
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

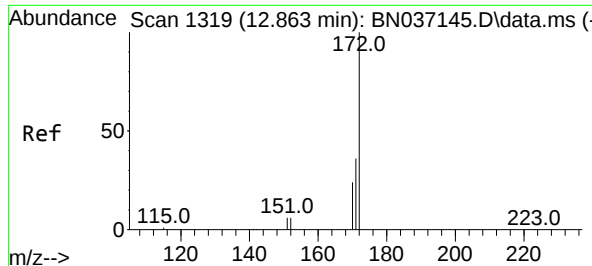
Tgt Ion:164 Resp: 2688
Ion Ratio Lower Upper
164 100
162 108.7 85.5 128.3
160 57.9 44.6 67.0



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

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

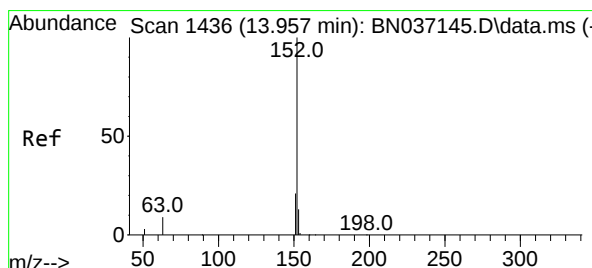
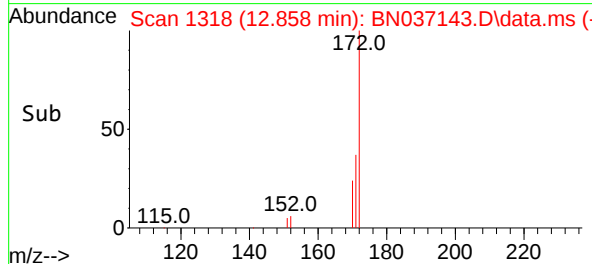
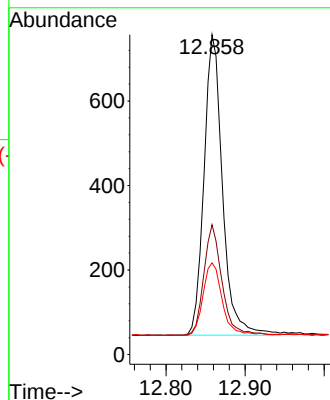
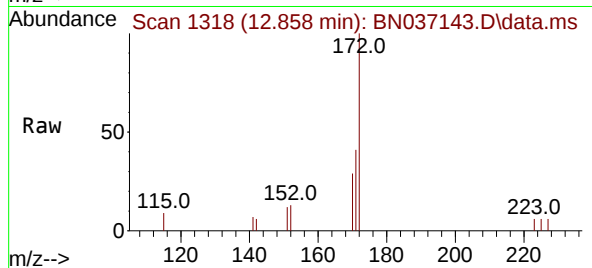




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

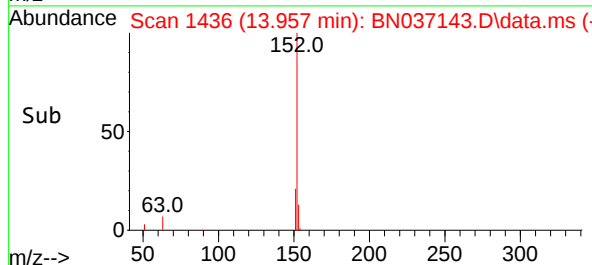
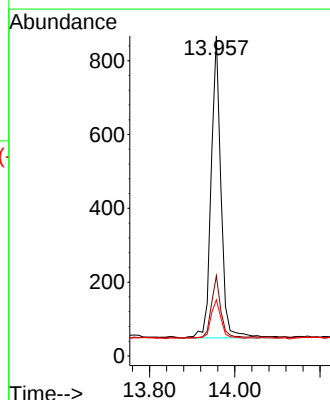
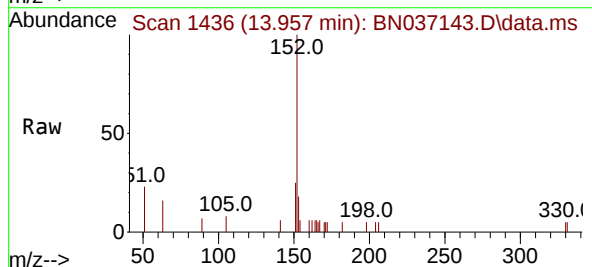
Instrument :
BNA_N
ClientSampleId :
SSTDIC0.1

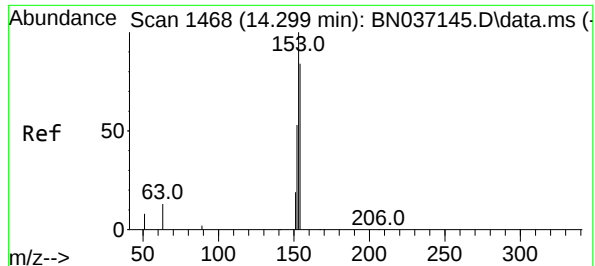
Tgt Ion:172 Resp: 1157
Ion Ratio Lower Upper
172 100
171 40.6 29.6 44.4
170 28.7 20.3 30.5



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

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

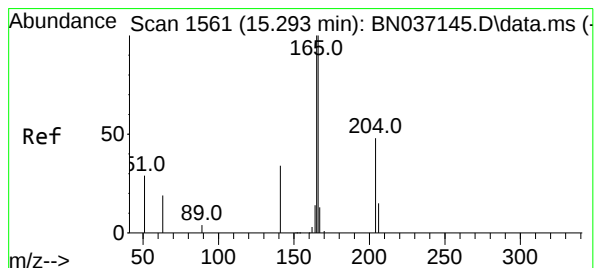
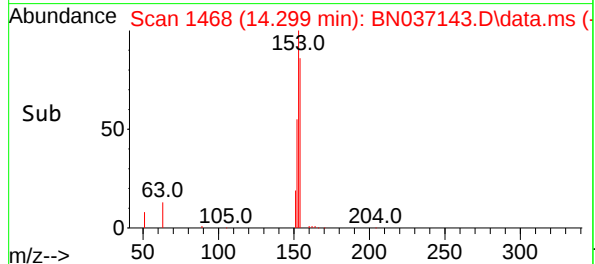
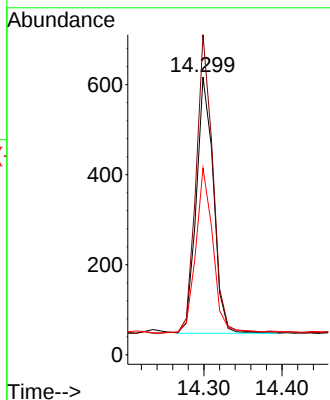
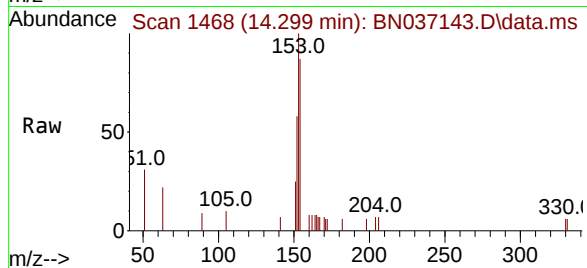




#17
Acenaphthene
Concen: 0.101 ng
RT: 14.299 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

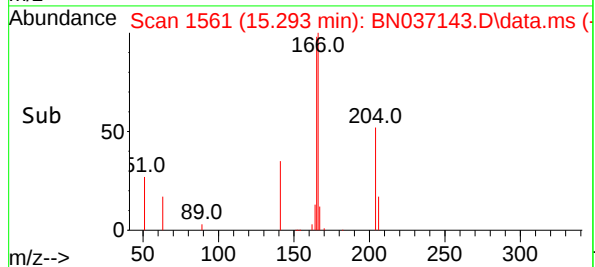
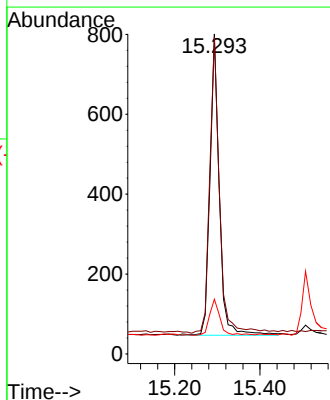
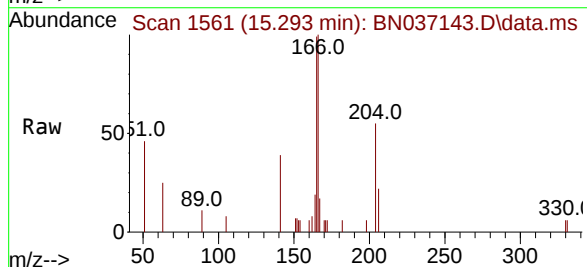
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

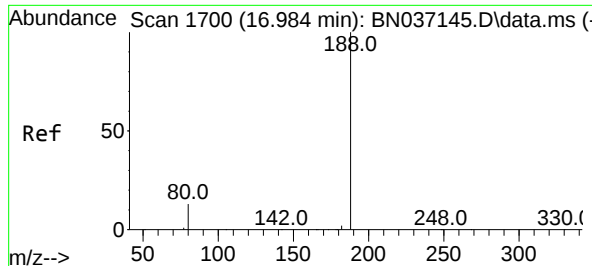
Tgt Ion:154 Resp: 867
Ion Ratio Lower Upper
154 100
153 115.6 93.8 140.8
152 64.1 50.5 75.7



#18
Fluorene
Concen: 0.102 ng
RT: 15.293 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion:166 Resp: 1143
Ion Ratio Lower Upper
166 100
165 102.8 81.1 121.7
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1700

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

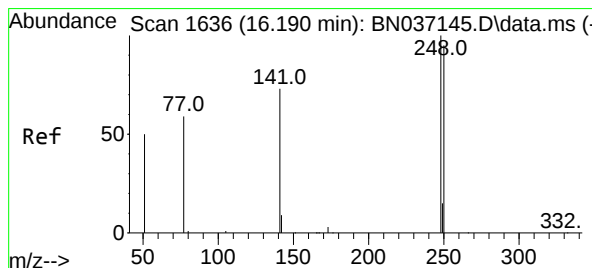
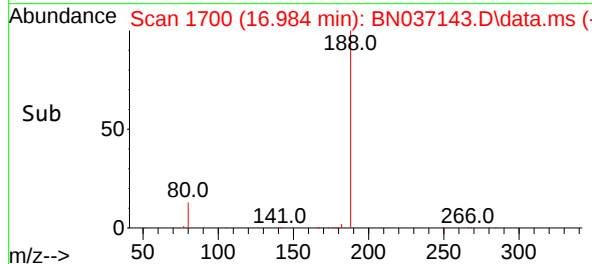
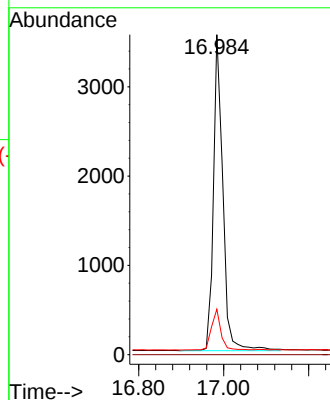
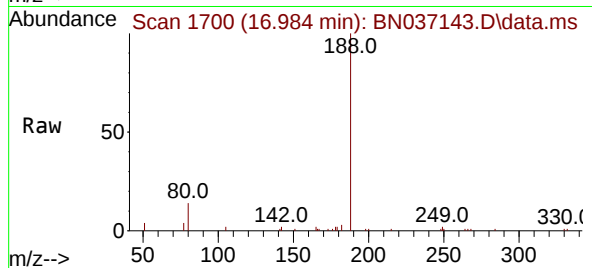
Tgt Ion:188 Resp: 5431

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.2 11.3 16.9



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.190 min Scan# 1636

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

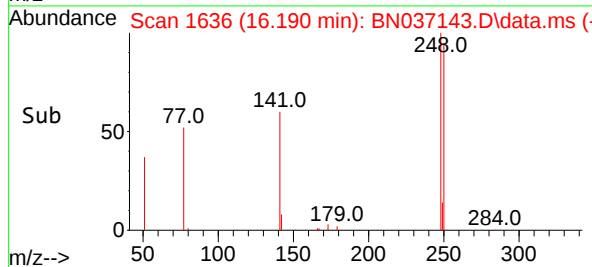
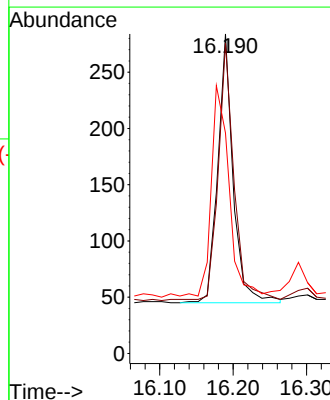
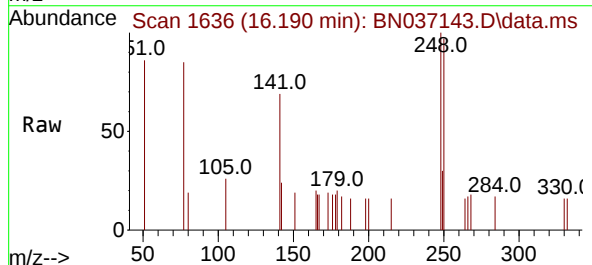
Tgt Ion:248 Resp: 347

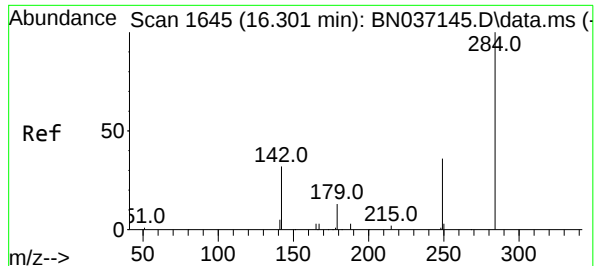
Ion Ratio Lower Upper

248 100

250 97.2 76.1 114.1

141 69.0 60.1 90.1





#22

Hexachlorobenzene

Concen: 0.102 ng

RT: 16.301 min Scan# 1645

Delta R.T. -0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

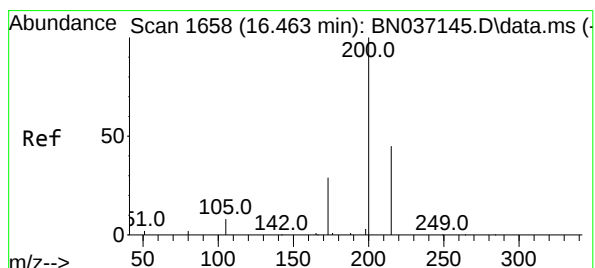
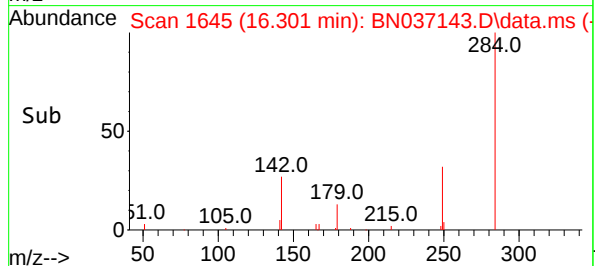
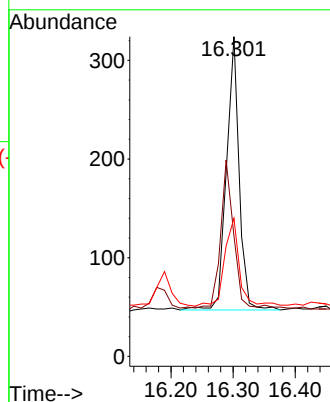
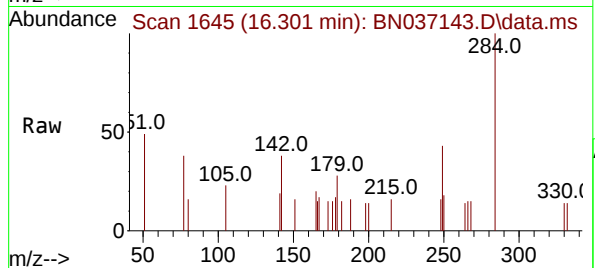
Tgt Ion:284 Resp: 392

Ion Ratio Lower Upper

284 100

142 54.1 44.0 66.0

249 37.5 29.7 44.5



#23

Atrazine

Concen: 0.090 ng

RT: 16.463 min Scan# 1658

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

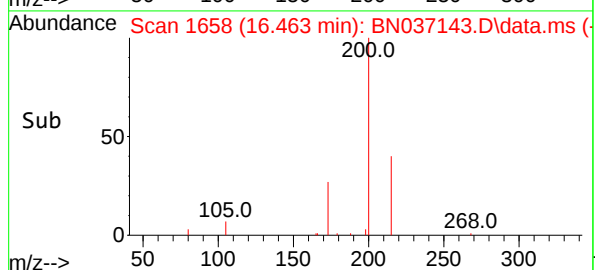
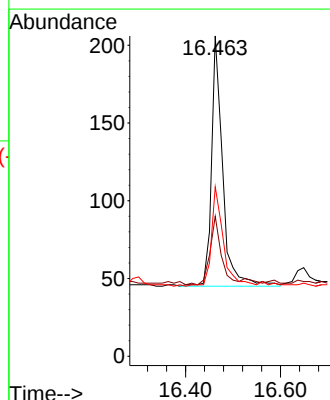
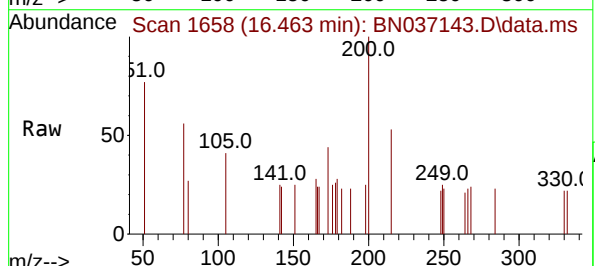
Tgt Ion:200 Resp: 264

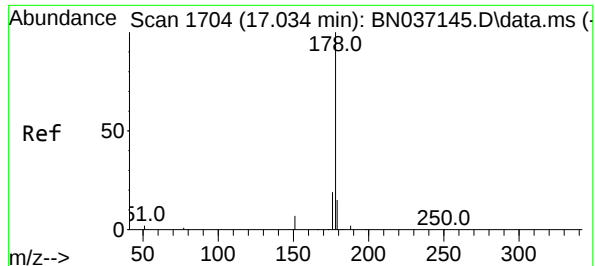
Ion Ratio Lower Upper

200 100

173 43.7 28.1 42.1#

215 52.9 39.3 58.9

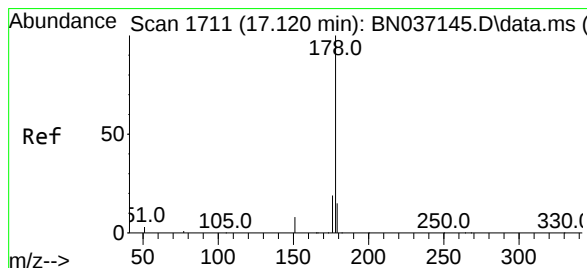
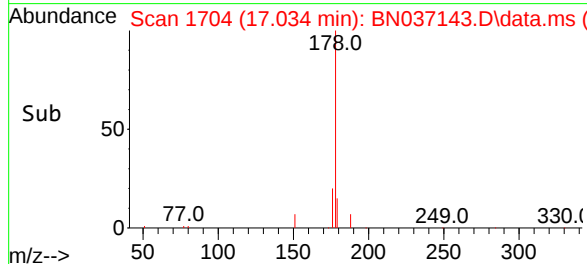
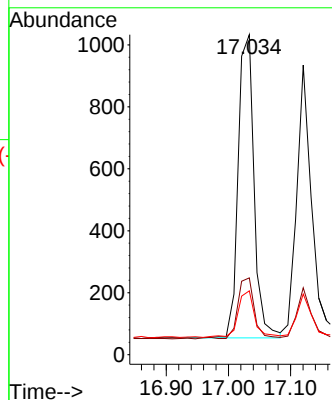
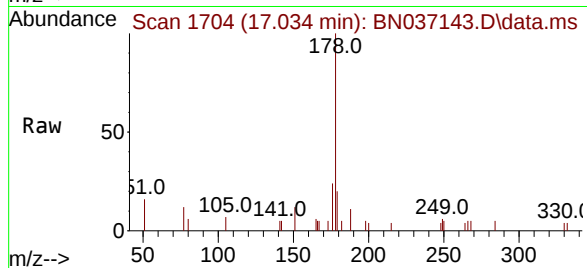




#25
Phenanthrene
Concen: 0.099 ng
RT: 17.034 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

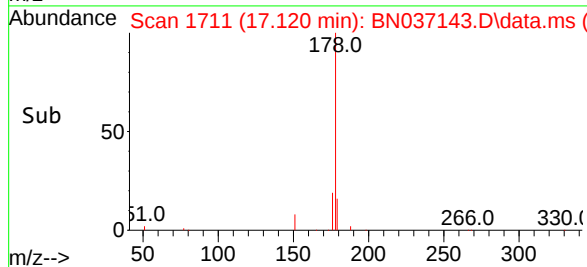
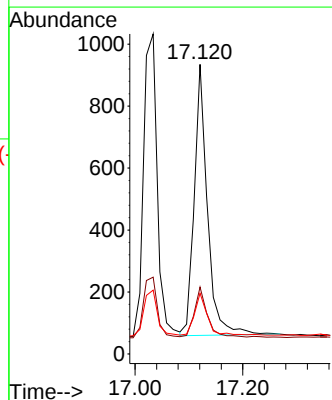
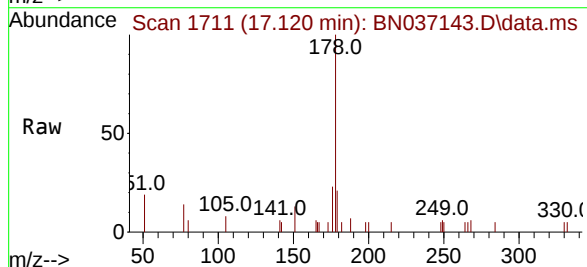
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

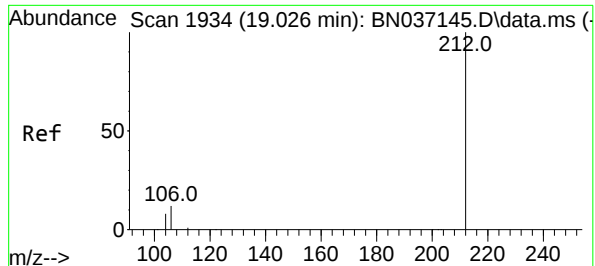
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.7	23.5
179	15.6	12.3	18.5



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

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

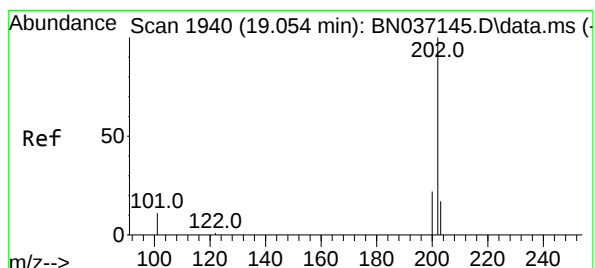
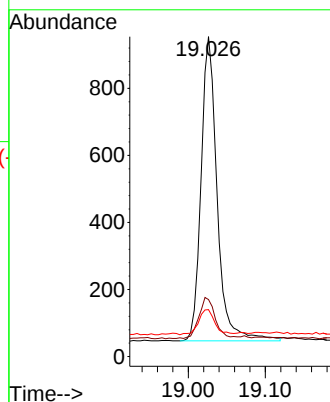
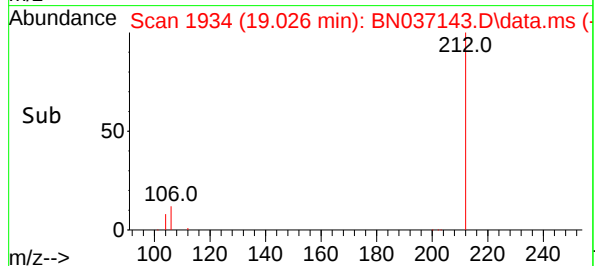
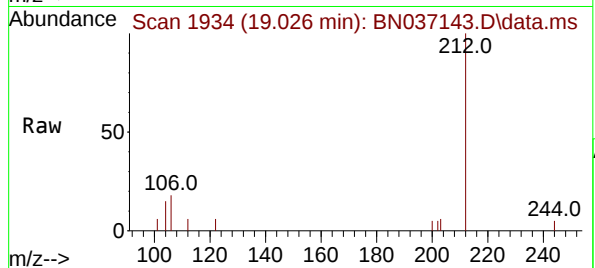




#27
Fluoranthene-d10
Concen: 0.095 ng
RT: 19.026 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

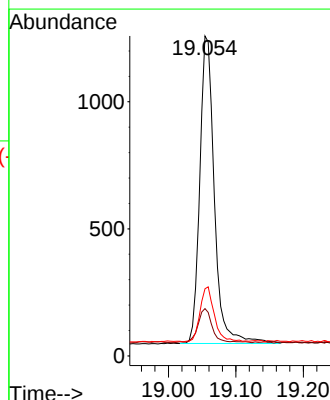
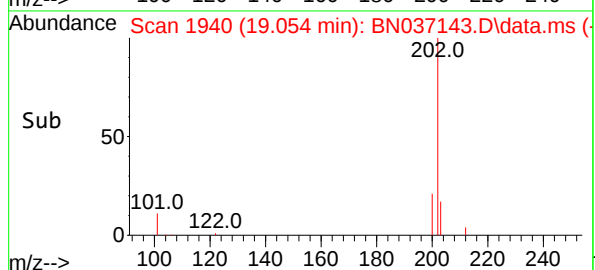
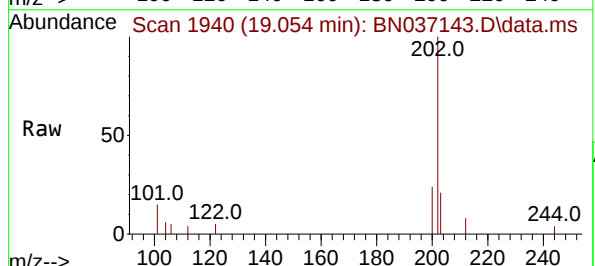
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

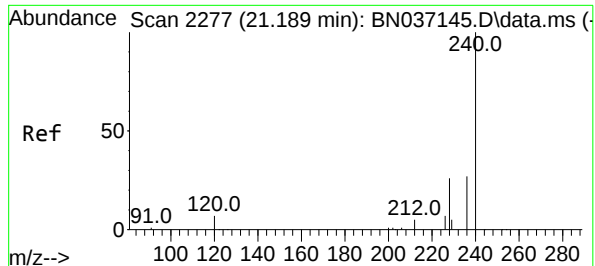
Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.6	10.6	15.8
104	8.4	6.6	9.8



#28
Fluoranthene
Concen: 0.094 ng
RT: 19.054 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.7	13.1
203	17.4	13.5	20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

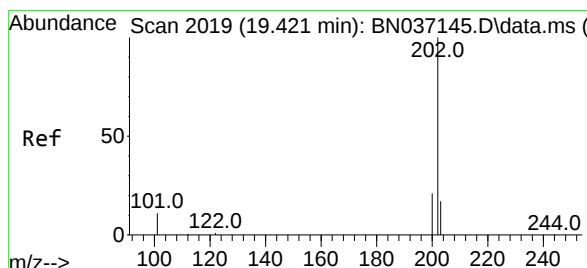
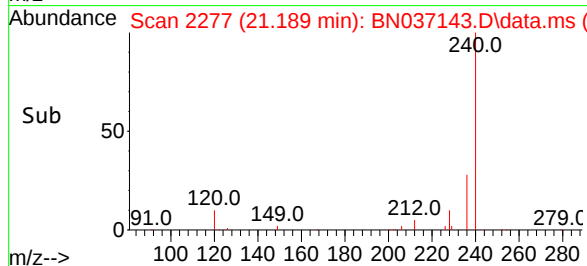
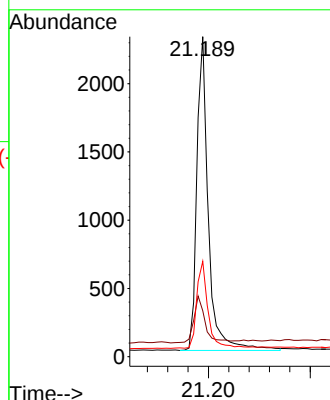
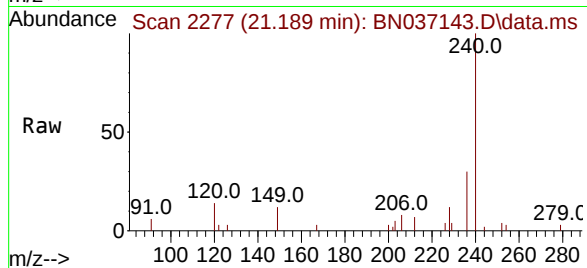
Tgt Ion:240 Resp: 3598

Ion Ratio Lower Upper

240 100

120 14.4 9.0 13.4#

236 29.8 23.0 34.4



#30

Pyrene

Concen: 0.105 ng

RT: 19.421 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

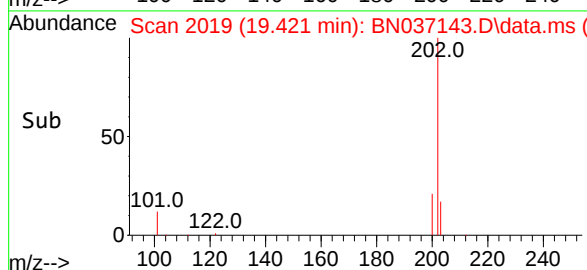
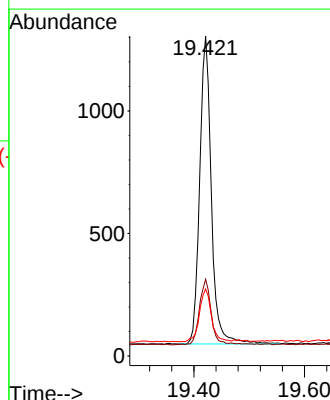
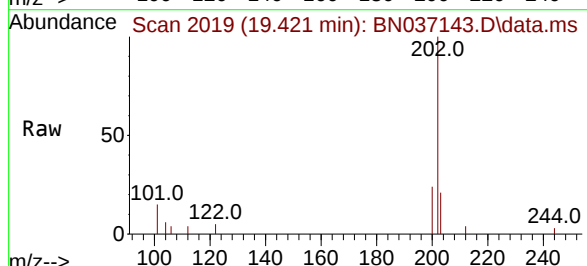
Tgt Ion:202 Resp: 1845

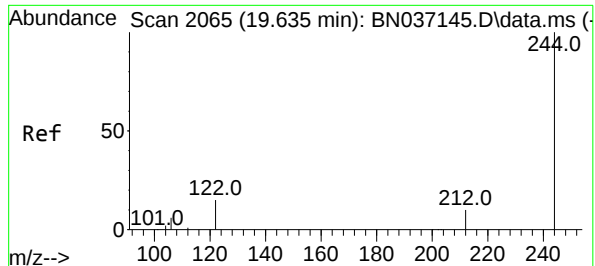
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.5 14.2 21.4

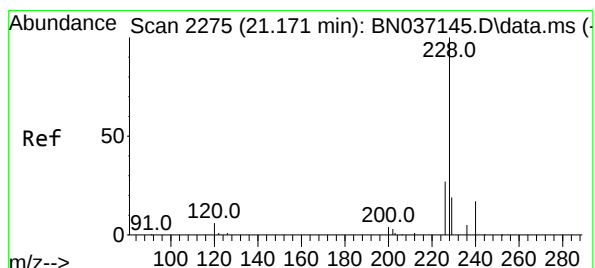
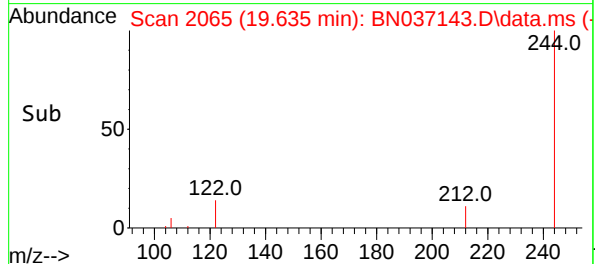
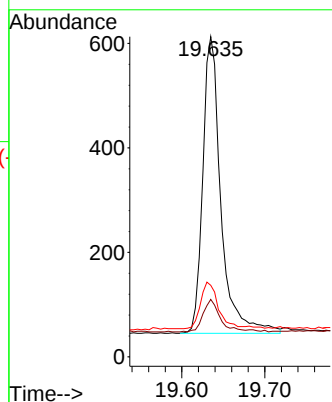
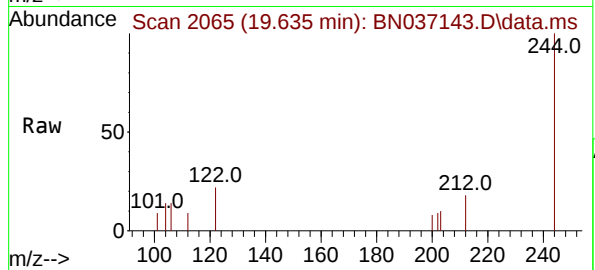




#31
Terphenyl-d14
Concen: 0.102 ng
RT: 19.635 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

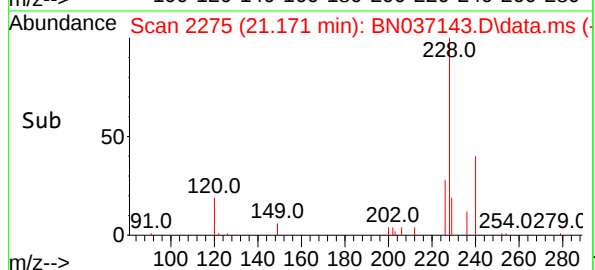
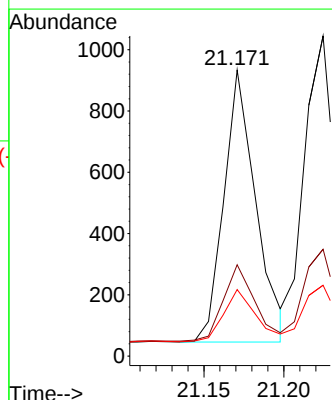
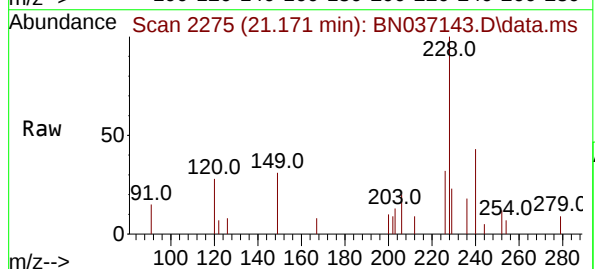
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

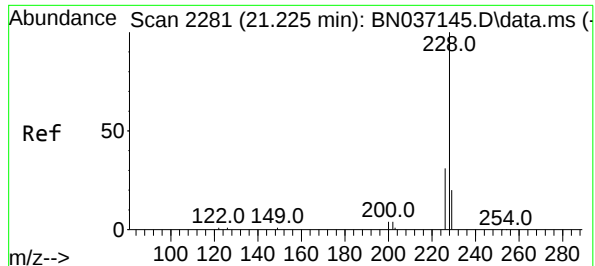
Tgt Ion:244 Resp: 867
Ion Ratio Lower Upper
244 100
212 17.9 10.0 15.0#
122 22.3 13.2 19.8#



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

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





#33

Chrysene

Concen: 0.109 ng

RT: 21.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

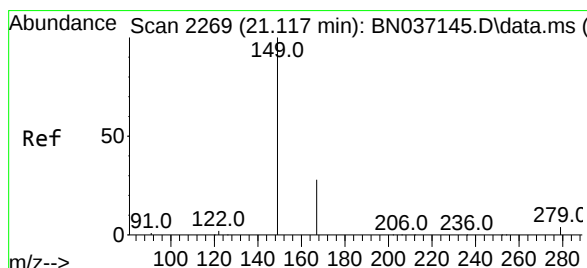
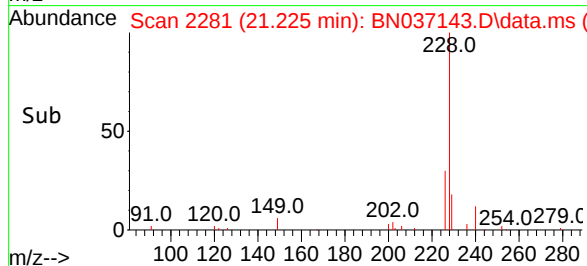
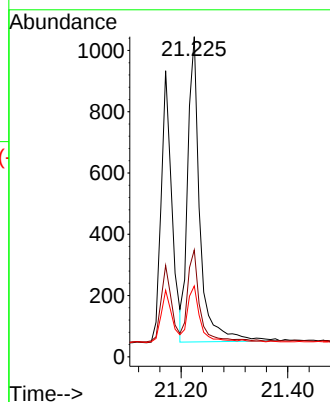
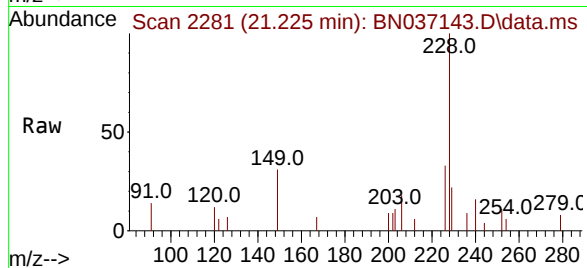
Tgt Ion:228 Resp: 1579

Ion Ratio Lower Upper

228 100

226 33.4 25.2 37.8

229 22.1 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.113 ng

RT: 21.117 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

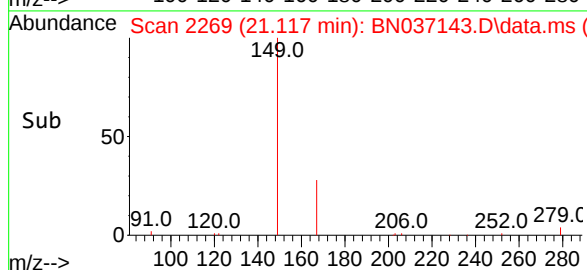
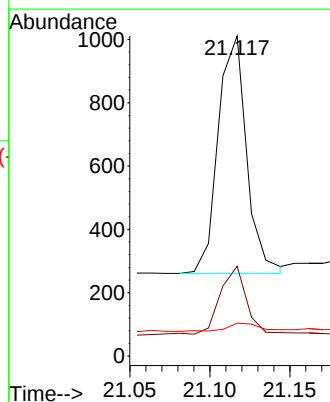
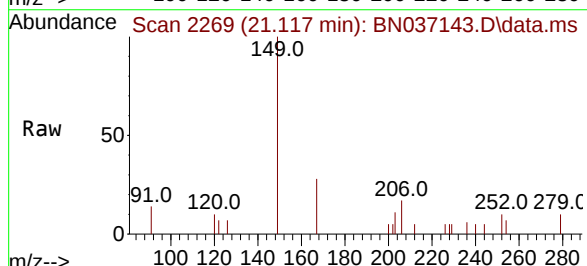
Tgt Ion:149 Resp: 928

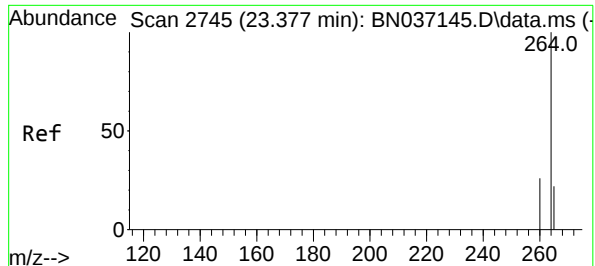
Ion Ratio Lower Upper

149 100

167 27.6 21.0 31.4

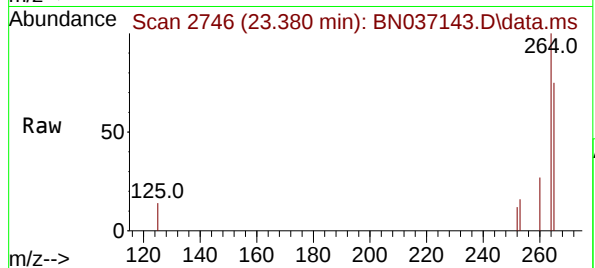
279 4.0 2.9 4.3



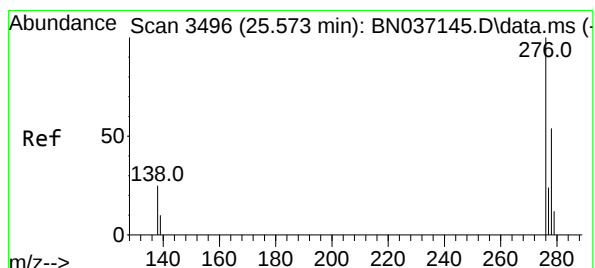
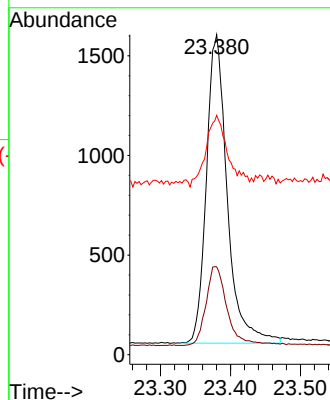
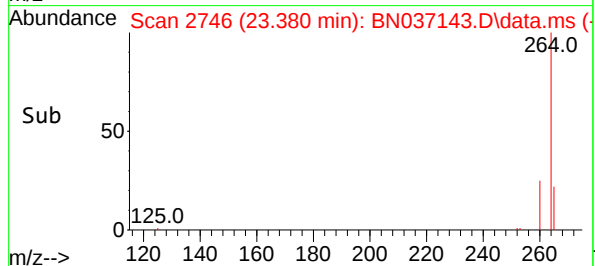


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037143.D
Acq: 03 Jun 2025 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

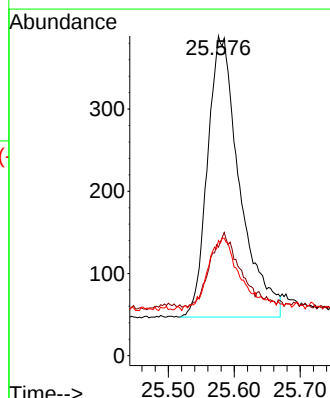
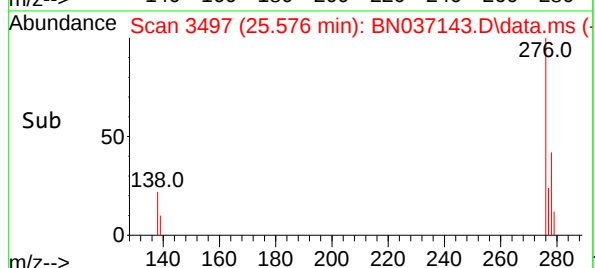
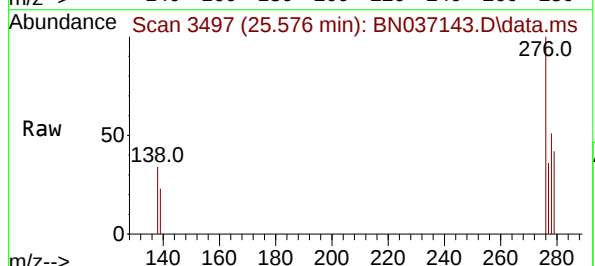


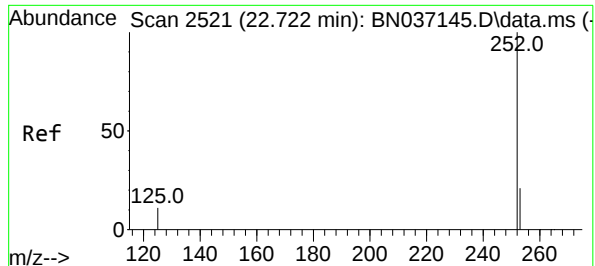
Tgt Ion:264 Resp: 3208
Ion Ratio Lower Upper
264 100
260 27.5 22.1 33.1
265 74.8 55.8 83.8



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

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





#37

Benzo(b)fluoranthene

Concen: 0.095 ng

RT: 22.725 min Scan# 2521

Delta R.T. 0.003 min

Lab File: BN037143.D

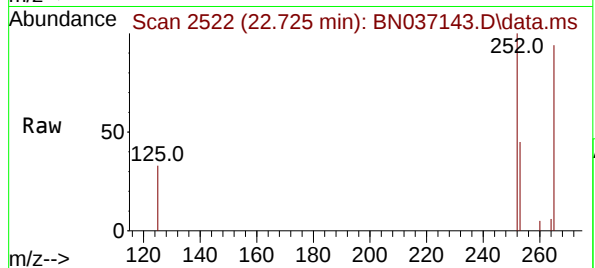
Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



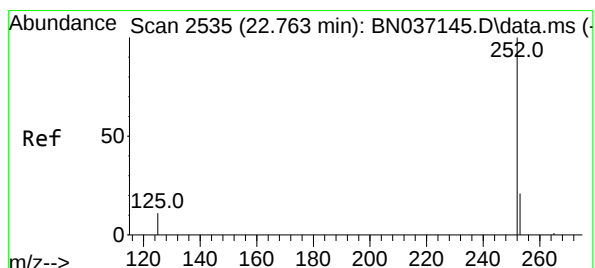
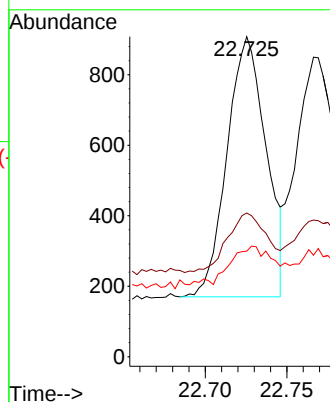
Tgt Ion:252 Resp: 1226

Ion Ratio Lower Upper

252 100

253 44.9 22.3 33.5#

125 33.0 13.2 19.8#



#38

Benzo(k)fluoranthene

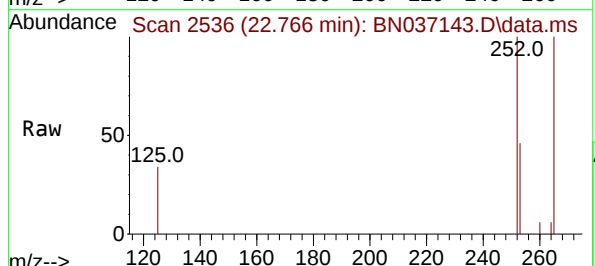
Concen: 0.096 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39



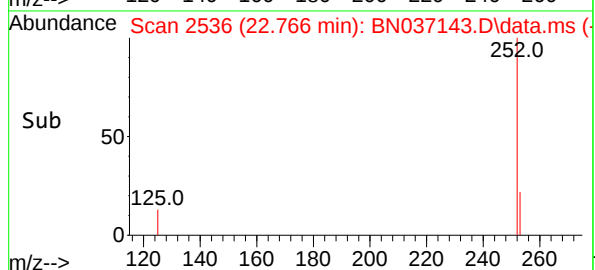
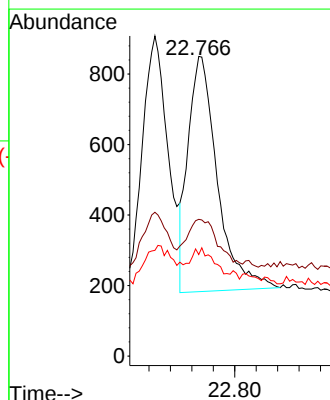
Tgt Ion:252 Resp: 1264

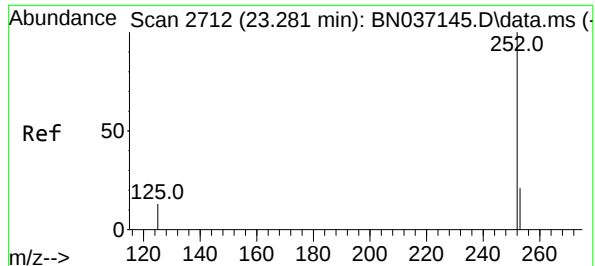
Ion Ratio Lower Upper

252 100

253 45.6 22.2 33.4#

125 33.9 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 0.097 ng

RT: 23.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

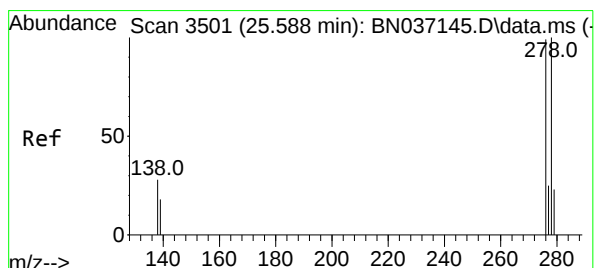
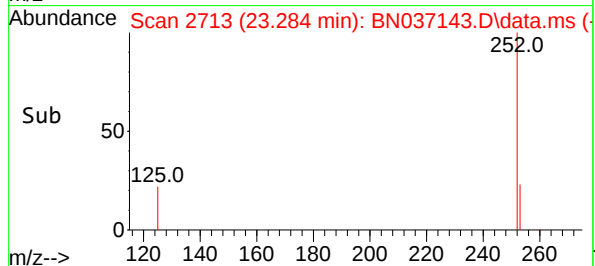
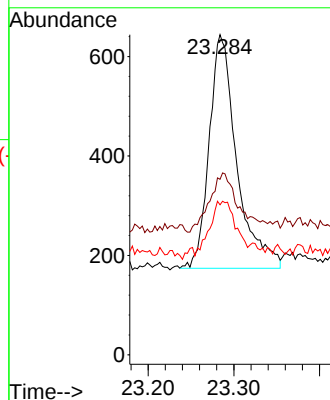
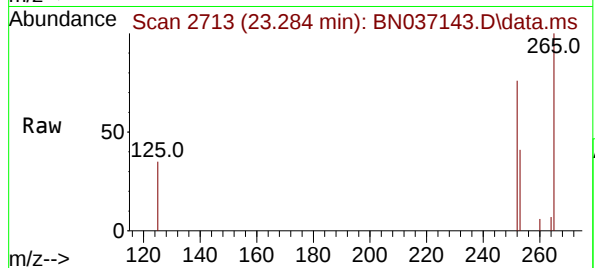
Tgt Ion:252 Resp: 1051

Ion Ratio Lower Upper

252 100

253 54.8 25.0 37.4#

125 46.9 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.087 ng

RT: 25.594 min Scan# 3503

Delta R.T. 0.006 min

Lab File: BN037143.D

Acq: 03 Jun 2025 11:39

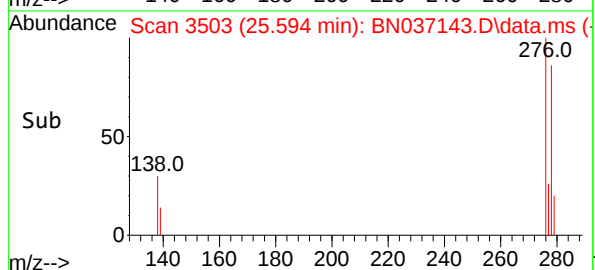
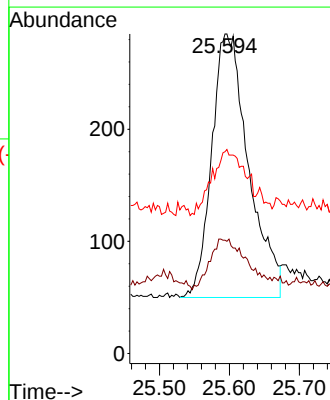
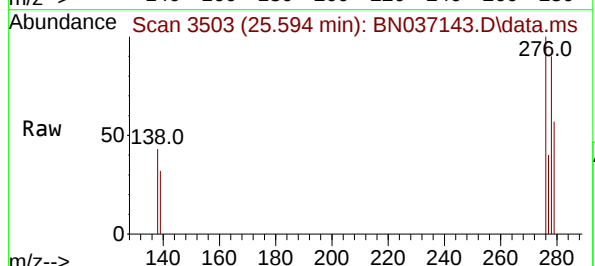
Tgt Ion:278 Resp: 861

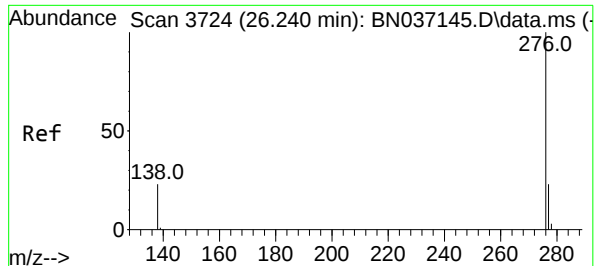
Ion Ratio Lower Upper

278 100

139 35.4 17.6 26.4#

279 63.2 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.248 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN037143.D

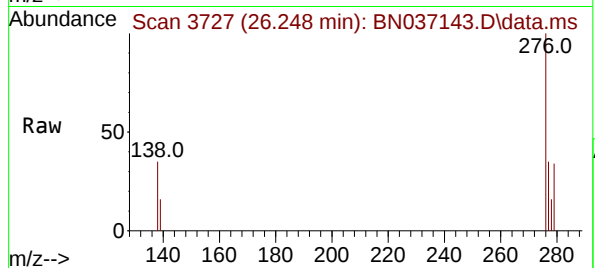
Acq: 03 Jun 2025 11:39

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



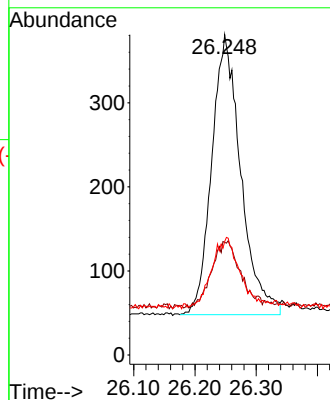
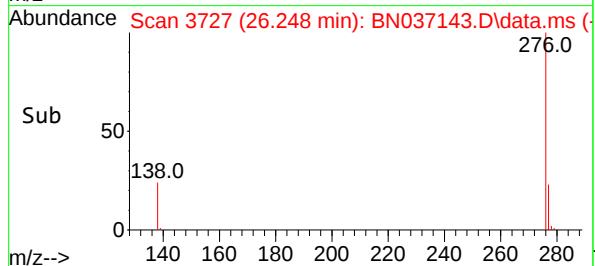
Tgt Ion:276 Resp: 1097

Ion Ratio Lower Upper

276 100

277 35.2 20.9 31.3#

138 35.4 20.8 31.2#



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

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

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

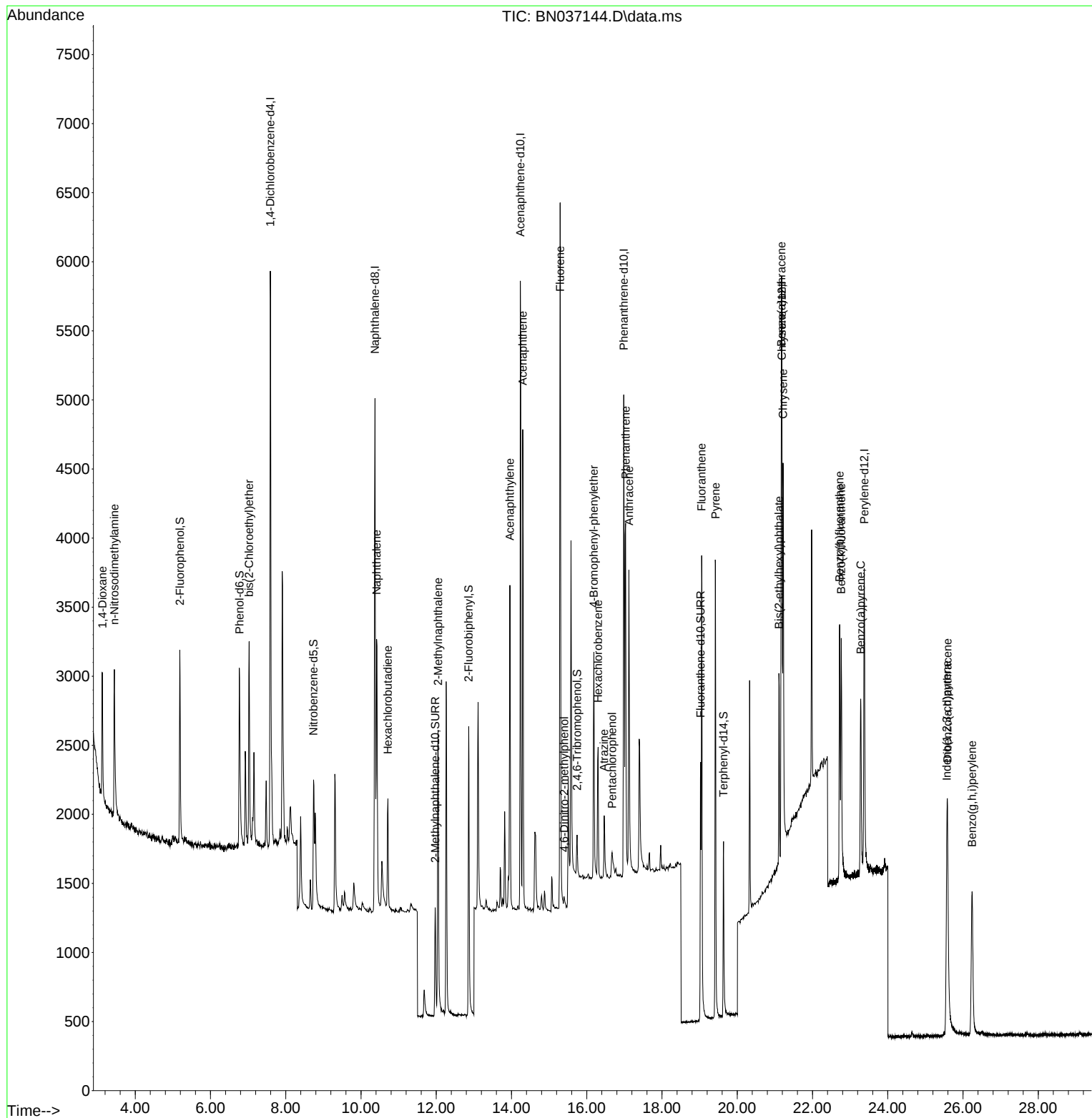
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2031	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5053	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2624	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4950	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3306	0.400	ng	0.00
35) Perylene-d12	23.374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

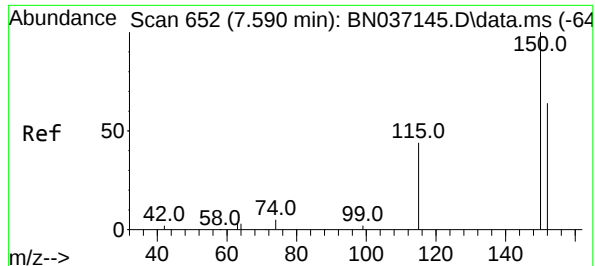
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

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

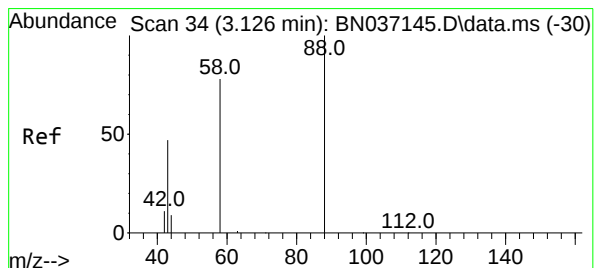
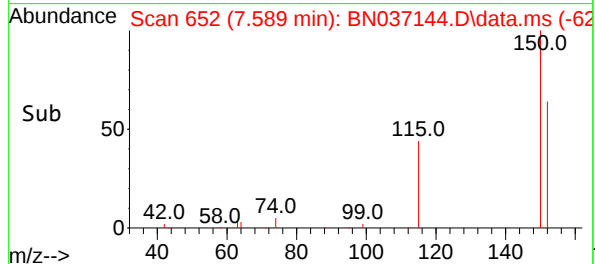
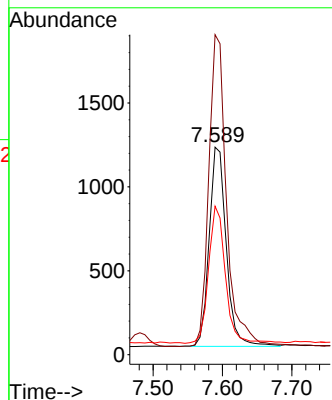
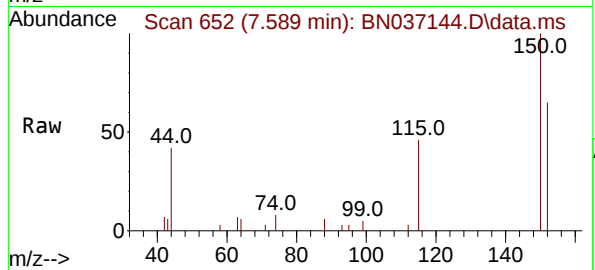




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

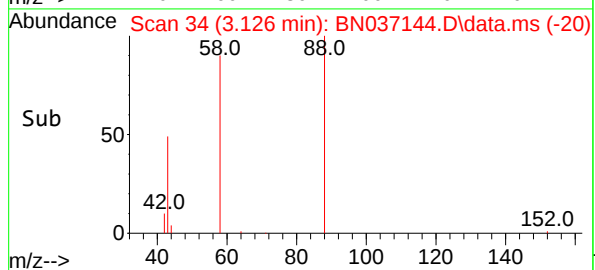
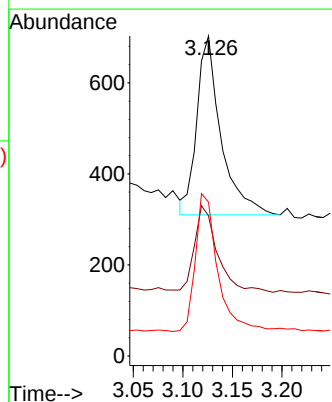
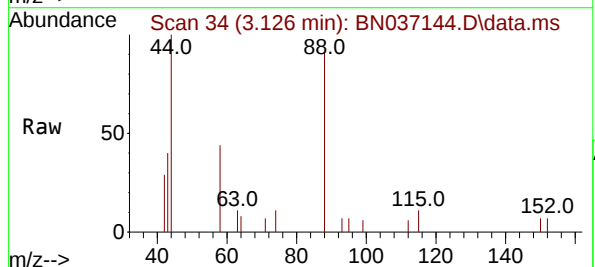
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

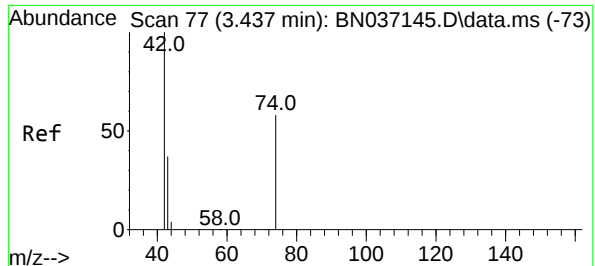
Tgt Ion:152 Resp: 2031
Ion Ratio Lower Upper
152 100
150 154.2 123.2 184.8
115 71.5 56.6 85.0



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

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

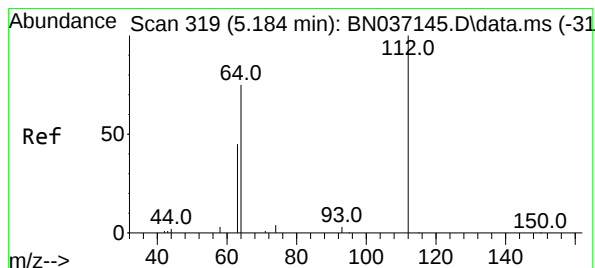
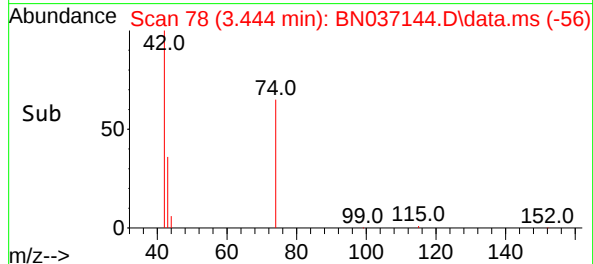
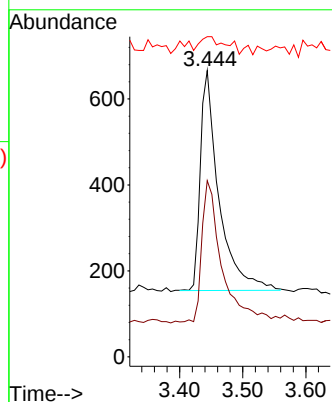
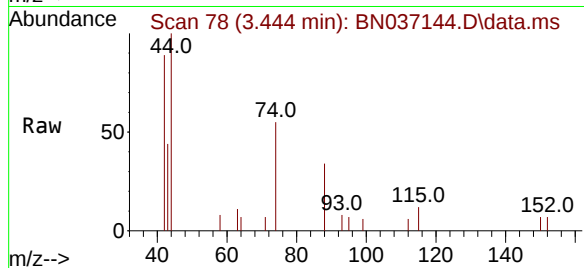




#3
n-Nitrosodimethylamine
Concen: 0.193 ng
RT: 3.444 min Scan# 71
Delta R.T. 0.007 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

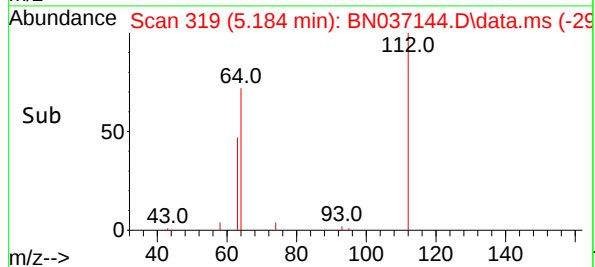
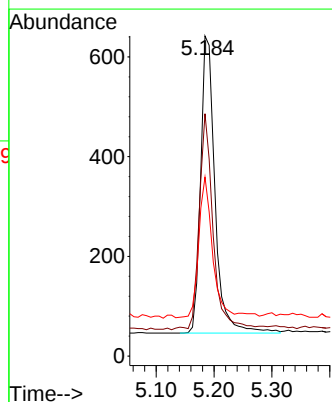
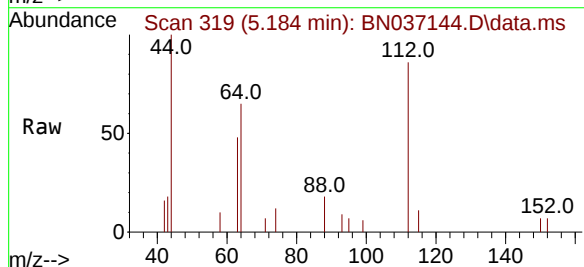
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

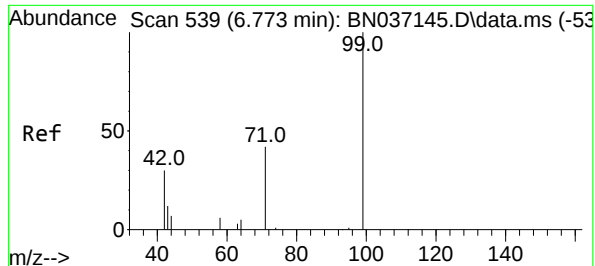
Tgt Ion: 42 Resp: 1047
Ion Ratio Lower Upper
42 100
74 70.1 53.0 79.4
44 7.7 5.9 8.9



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

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

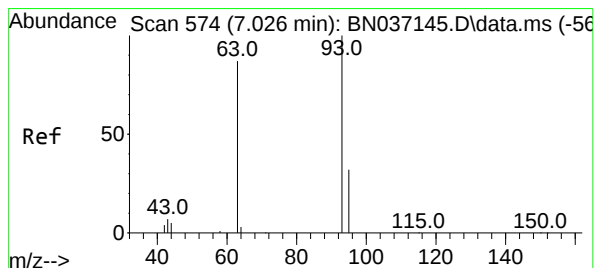
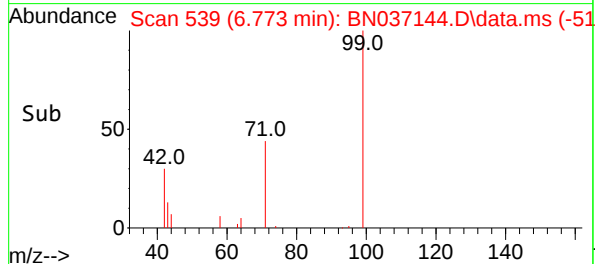
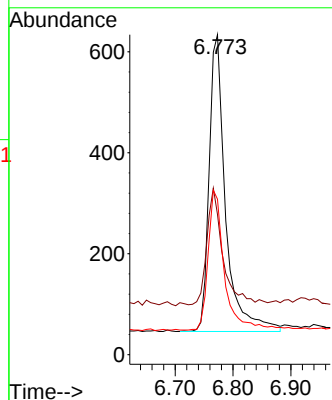
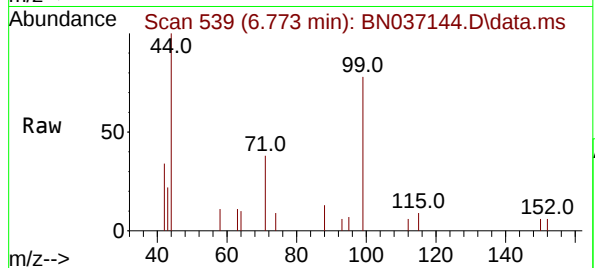




#5
Phenol-d6
Concen: 0.191 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

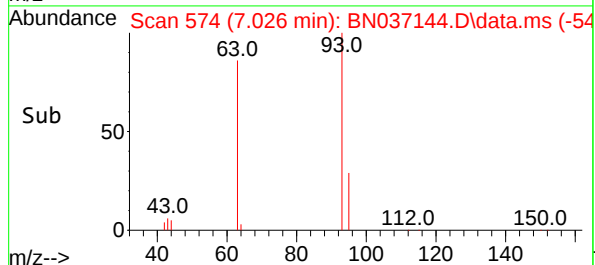
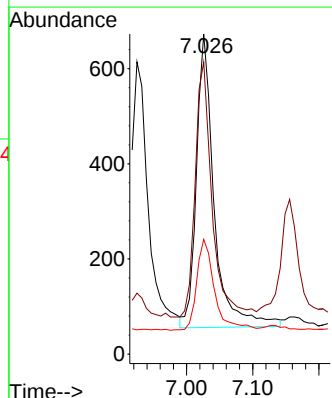
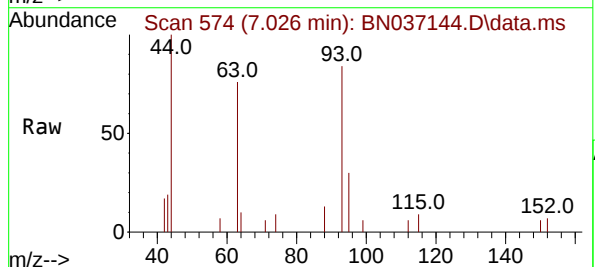
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

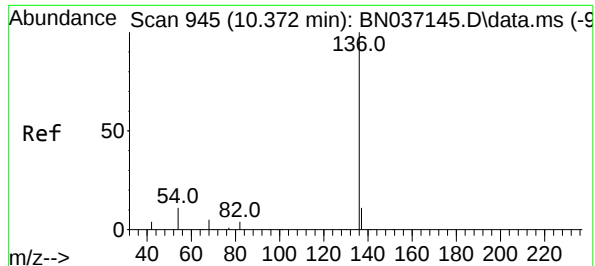
Tgt Ion	Ratio	Lower	Upper
99	100		
42	38.3	31.3	46.9
71	47.2	38.2	57.2



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

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

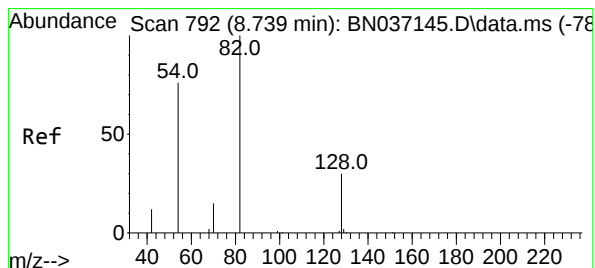
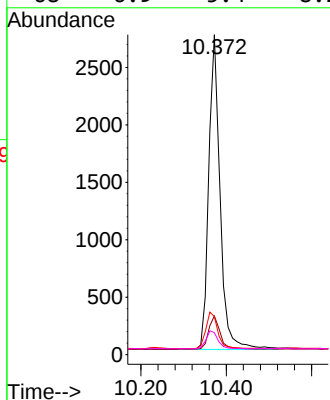
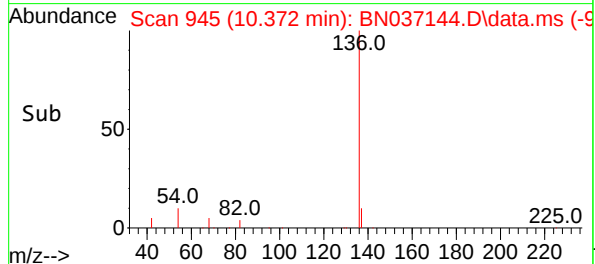
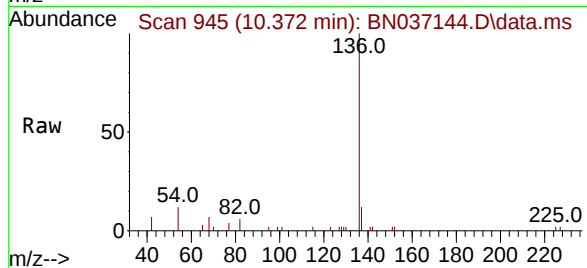




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

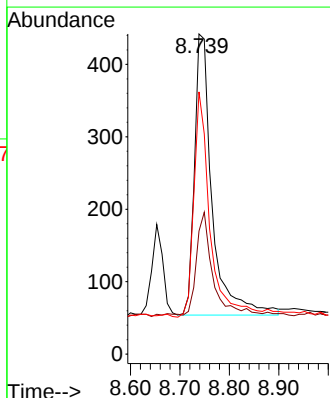
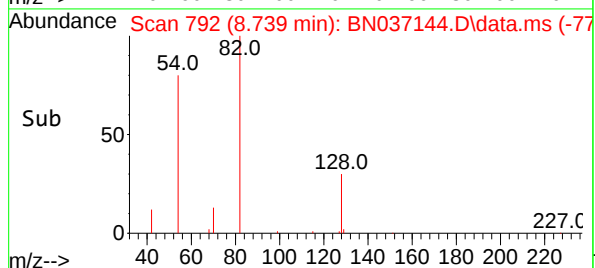
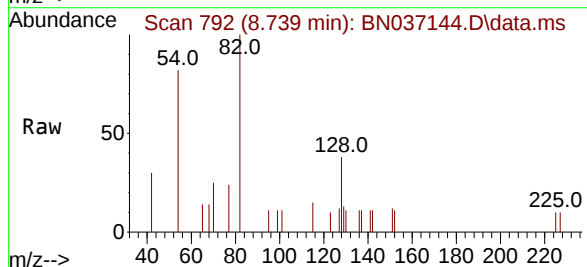
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

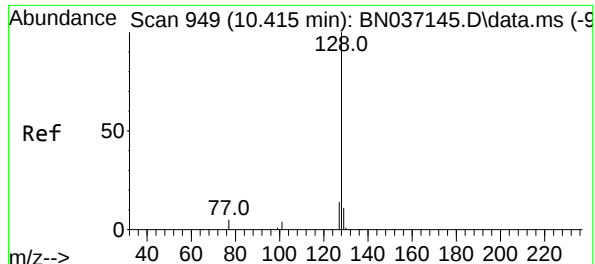
Tgt Ion:	136	Resp:	5053
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	11.9	9.7	14.5
68	6.9	5.4	8.2



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

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





#9

Naphthalene

Concen: 0.195 ng

RT: 10.415 min Scan# 949

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

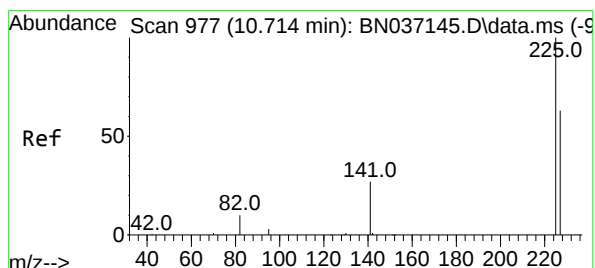
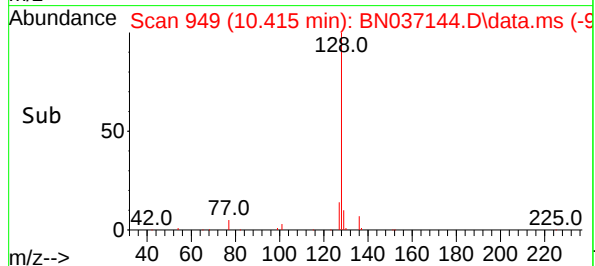
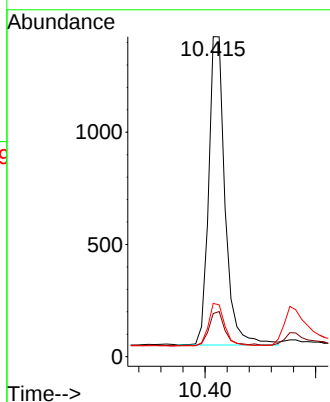
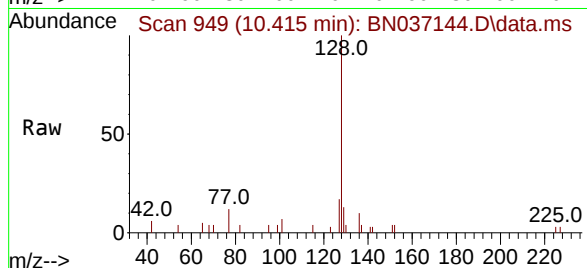
Tgt Ion:128 Resp: 2843

Ion Ratio Lower Upper

128 100

129 13.5 9.8 14.8

127 16.6 12.3 18.5



#10

Hexachlorobutadiene

Concen: 0.198 ng

RT: 10.714 min Scan# 977

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

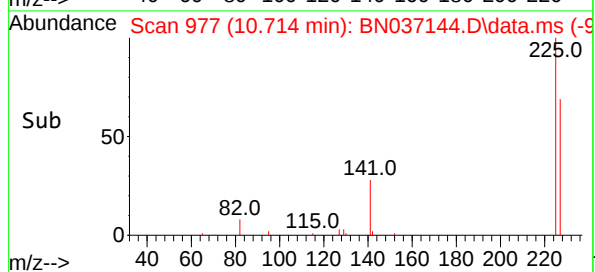
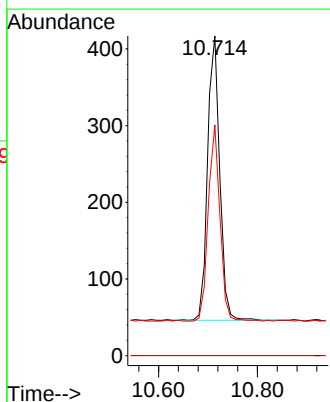
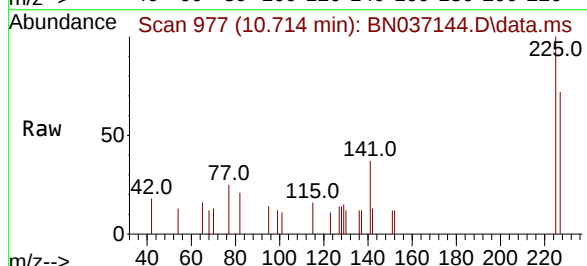
Tgt Ion:225 Resp: 630

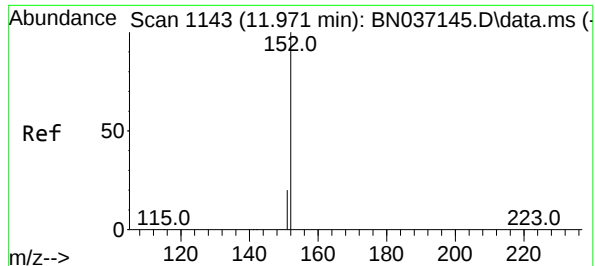
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 67.0 50.3 75.5

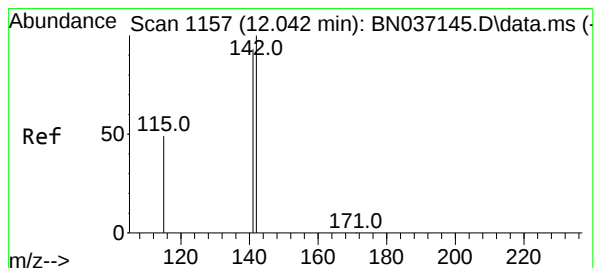
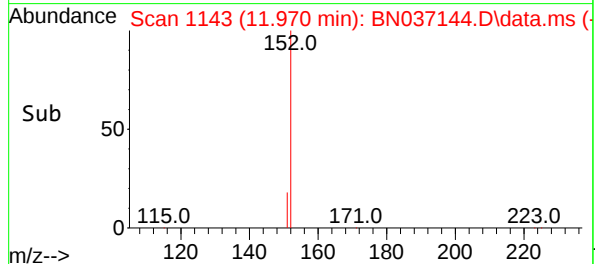
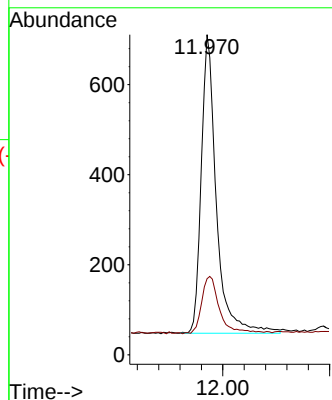
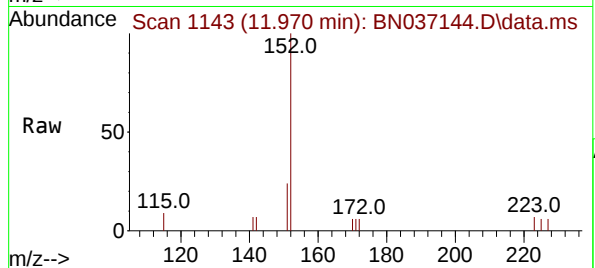




#11
2-Methylnaphthalene-d10
Concen: 0.185 ng
RT: 11.970 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

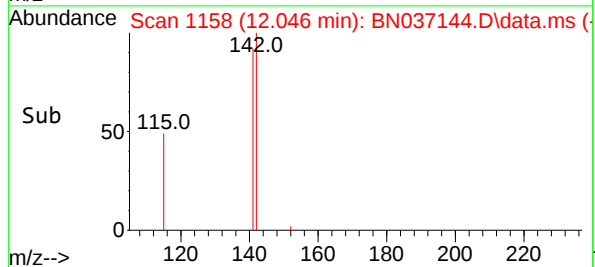
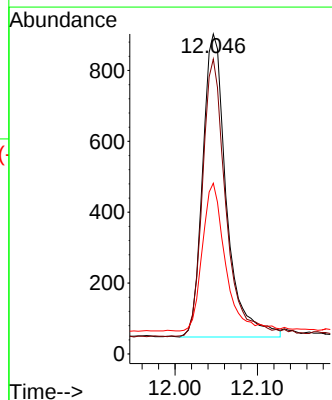
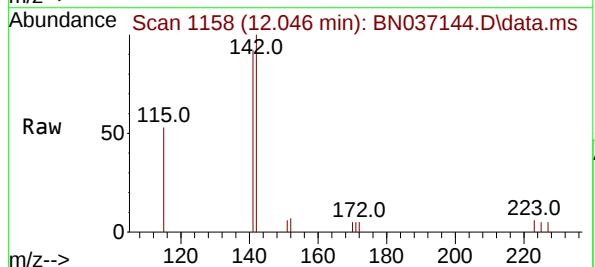
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

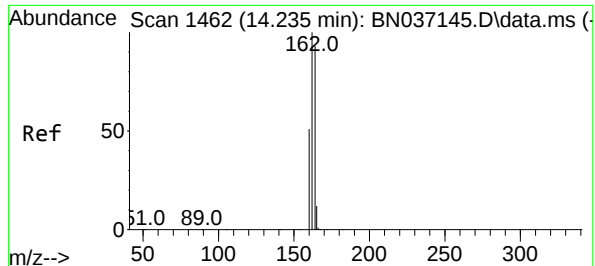
Tgt Ion:152 Resp: 1302
Ion Ratio Lower Upper
152 100
151 22.8 17.1 25.7



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

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

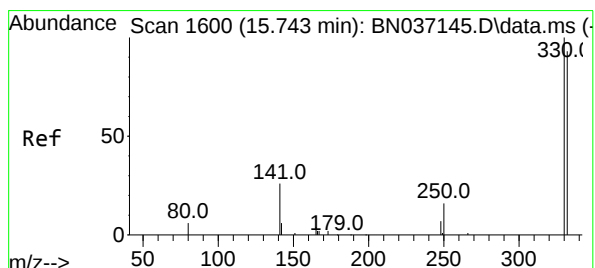
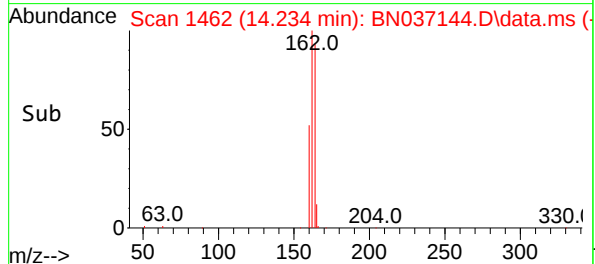
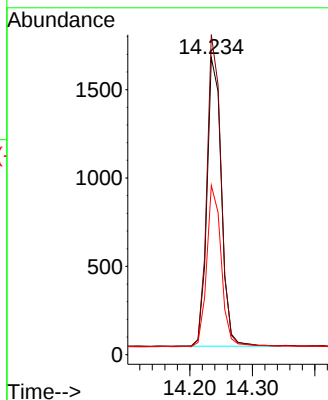
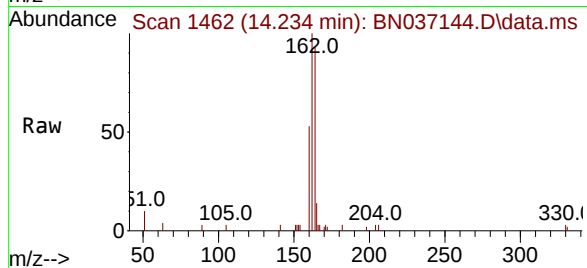




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

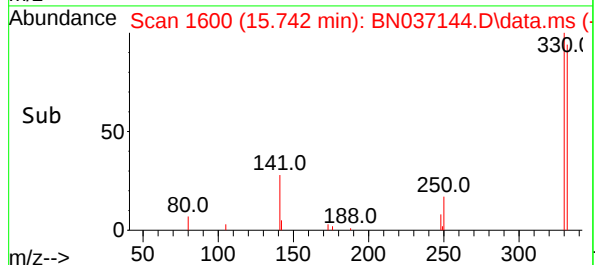
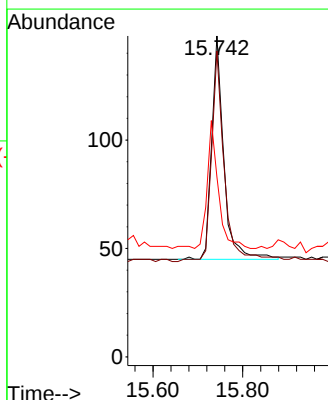
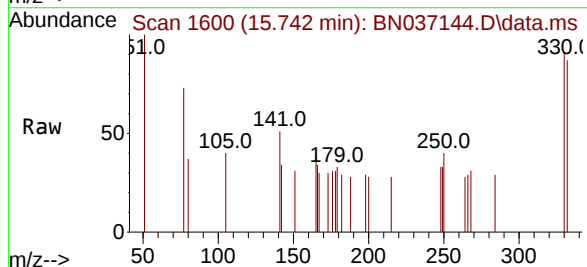
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

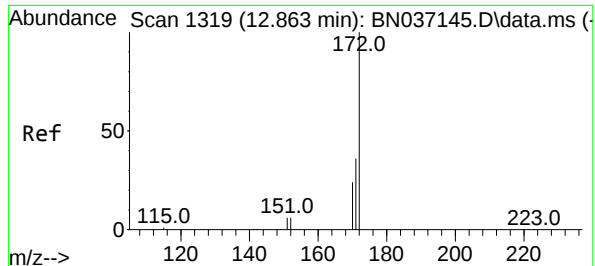
Tgt Ion:164 Resp: 2624
Ion Ratio Lower Upper
164 100
162 107.7 85.5 128.3
160 57.0 44.6 67.0



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

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

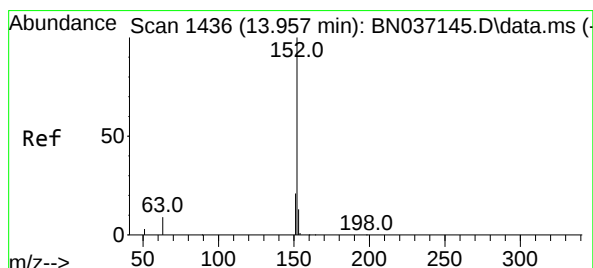
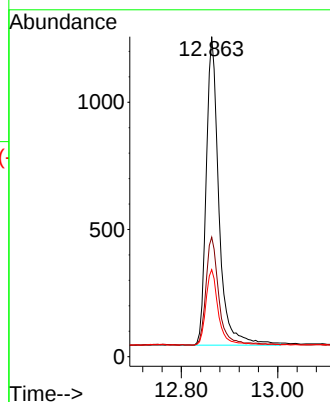
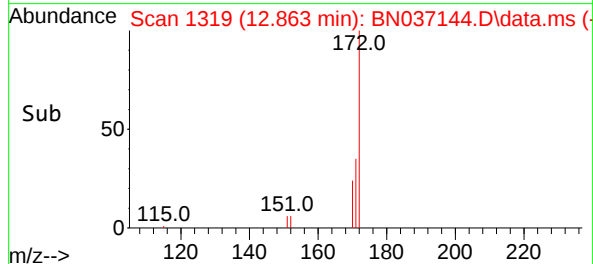
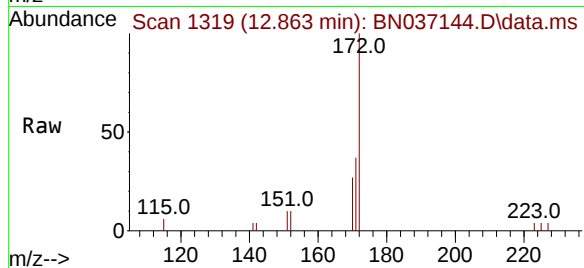




#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 12.863 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

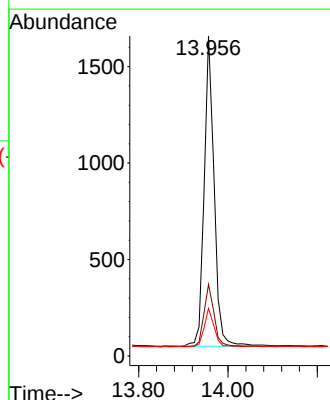
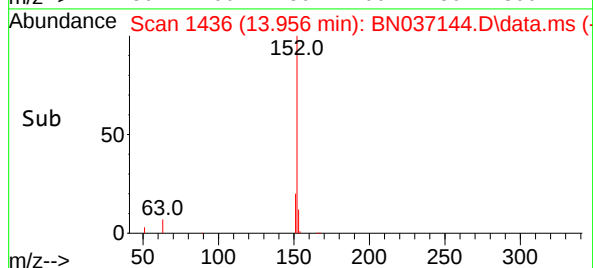
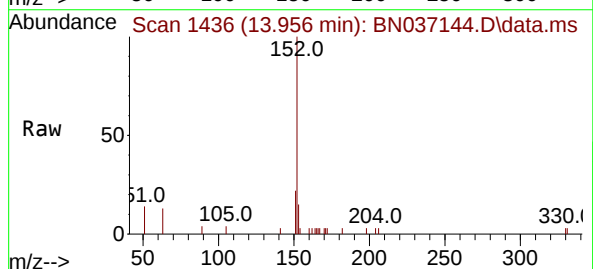
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

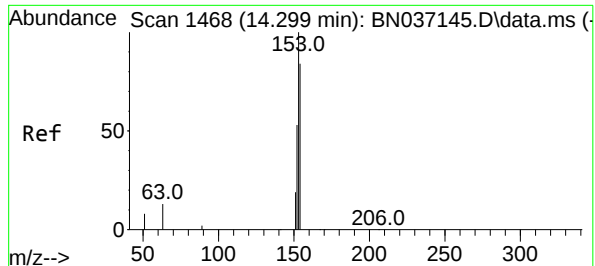
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	27.2	20.3	30.5



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

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

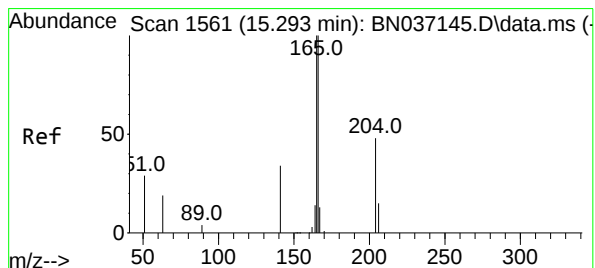
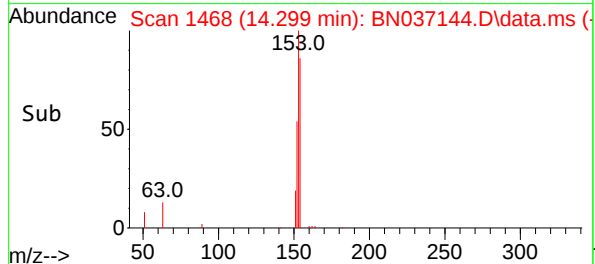
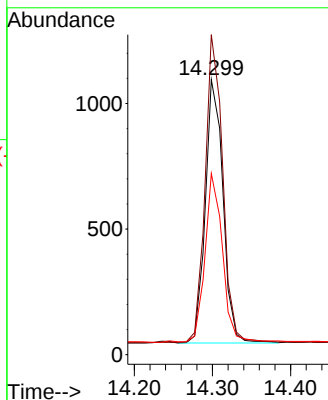
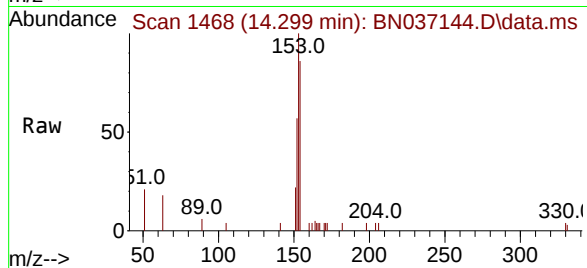




#17
Acenaphthene
Concen: 0.197 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

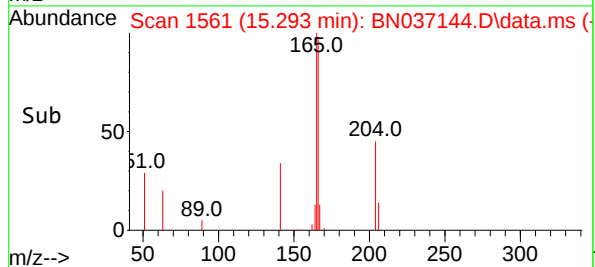
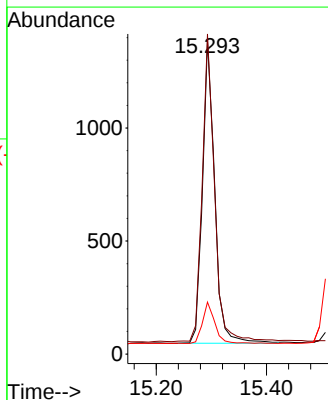
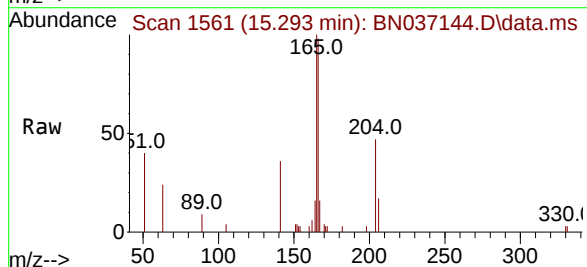
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

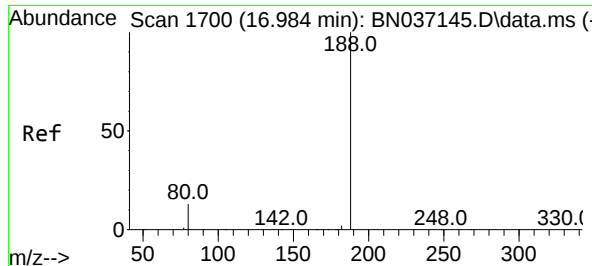
Tgt Ion:154 Resp: 1644
Ion Ratio Lower Upper
154 100
153 117.0 93.8 140.8
152 65.3 50.5 75.7



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

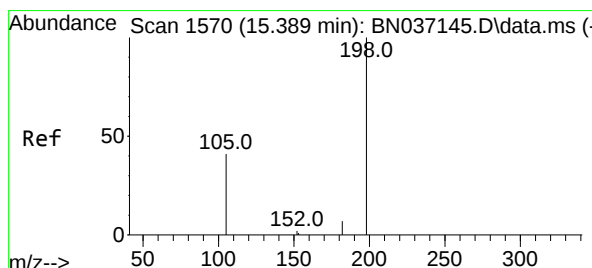
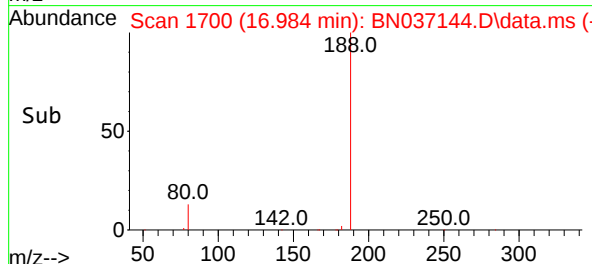
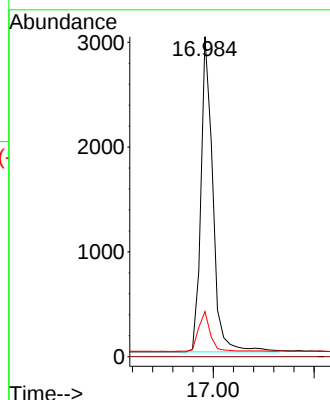
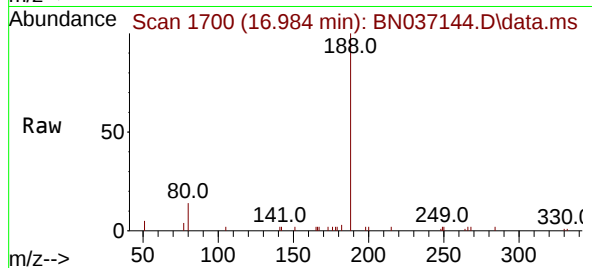
Tgt Ion:188 Resp: 4950

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.341 ng

RT: 15.400 min Scan# 1571

Delta R.T. 0.011 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

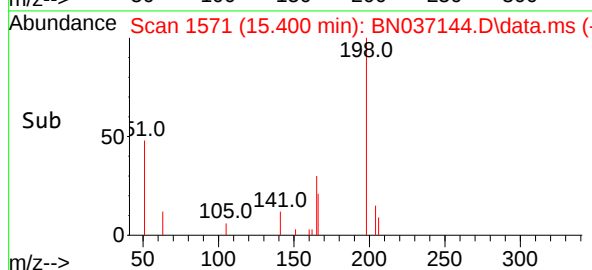
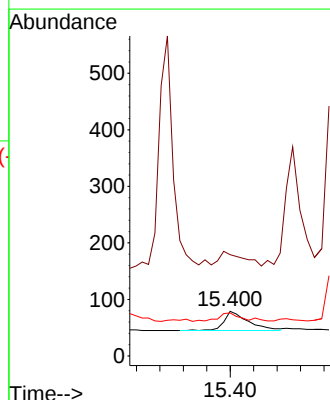
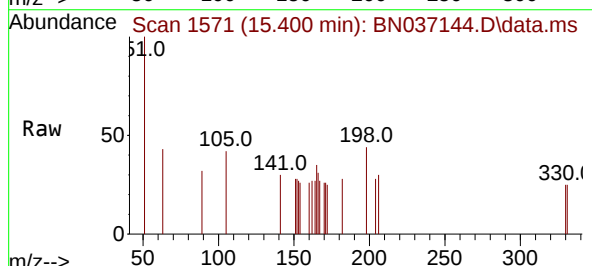
Tgt Ion:198 Resp: 97

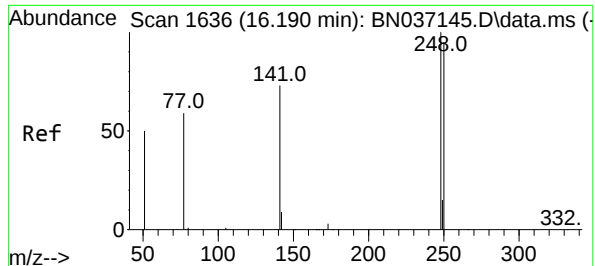
Ion Ratio Lower Upper

198 100

51 226.6 125.2 187.8#

105 96.2 57.1 85.7#

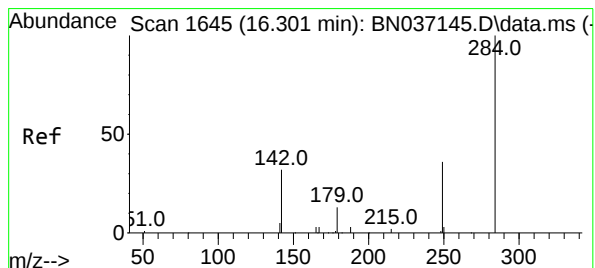
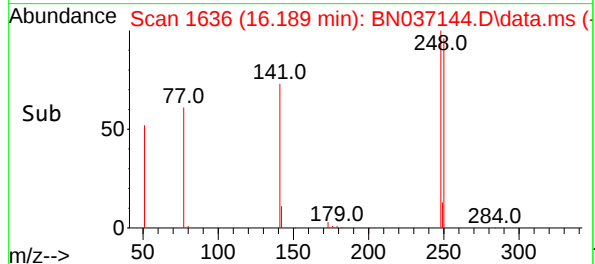
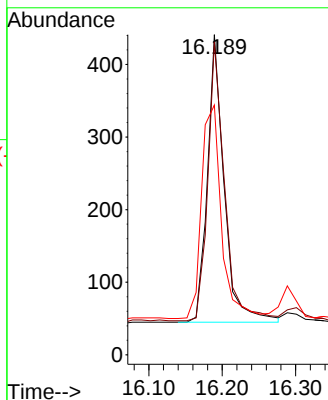
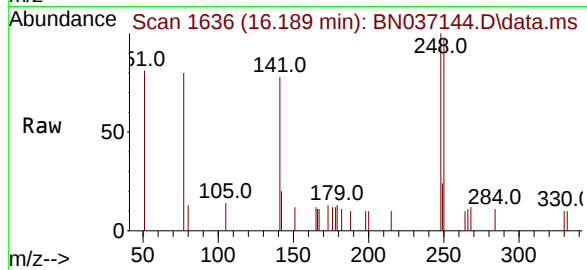




#21
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

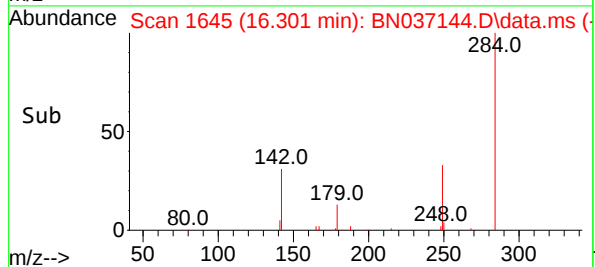
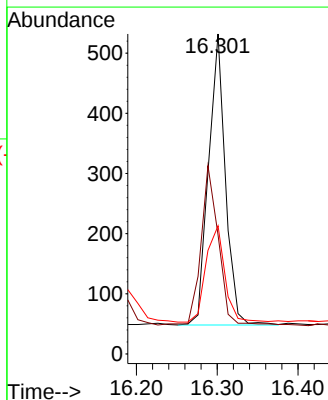
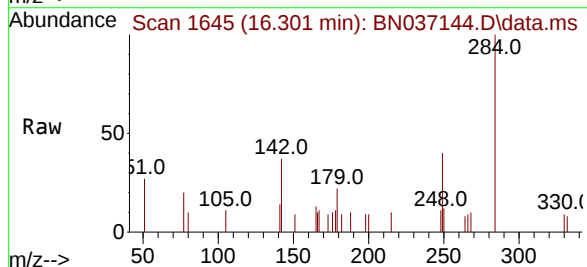
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

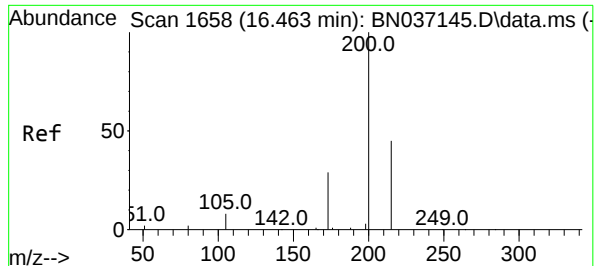
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.1	114.1
141	78.0	60.1	90.1



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

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

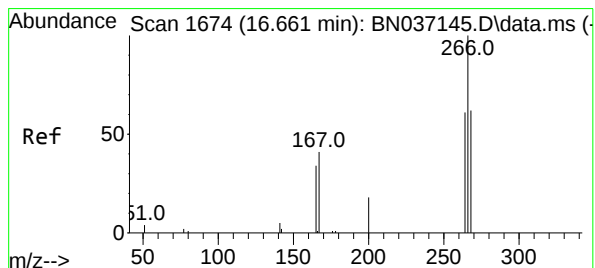
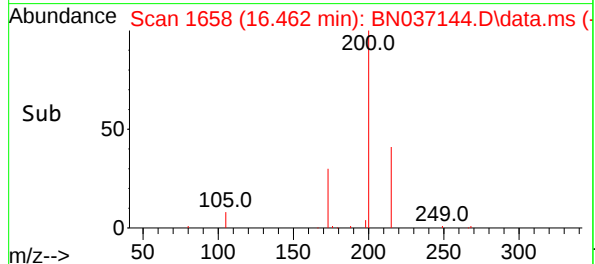
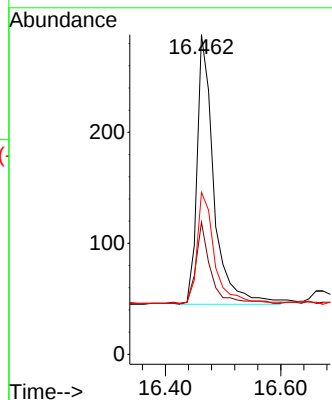
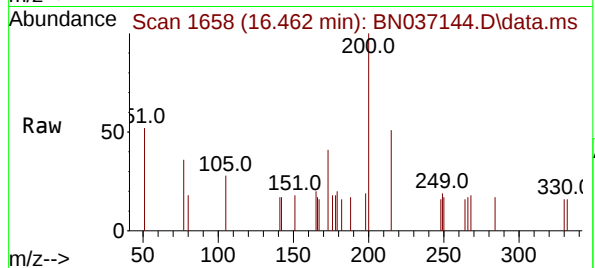




#23
Atrazine
Concen: 0.184 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

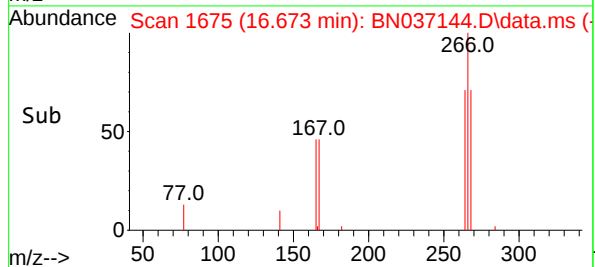
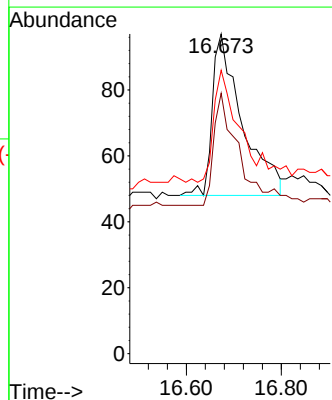
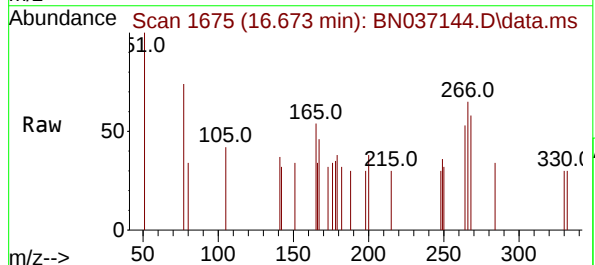
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

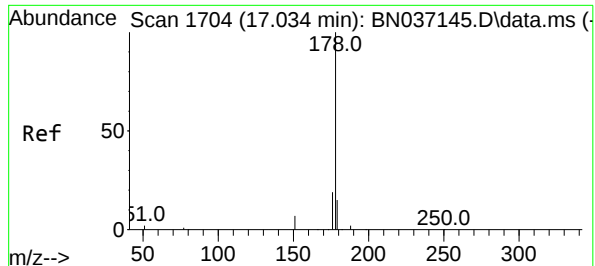
Tgt Ion:200 Resp: 494
Ion Ratio Lower Upper
200 100
173 41.3 28.1 42.1
215 50.7 39.3 58.9



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

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

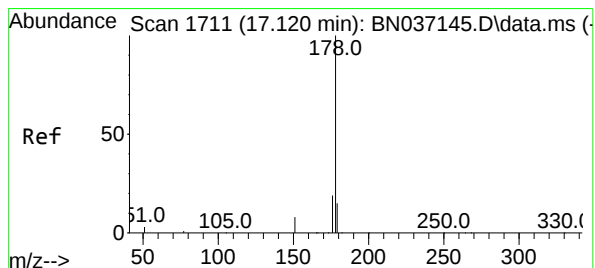
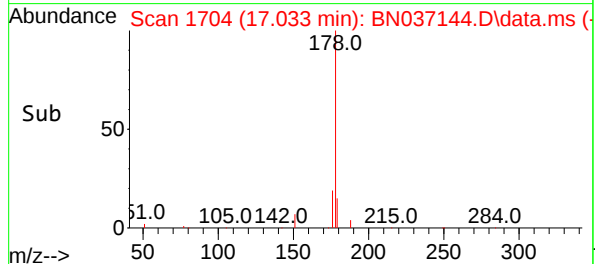
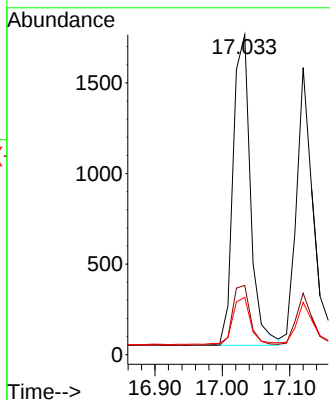
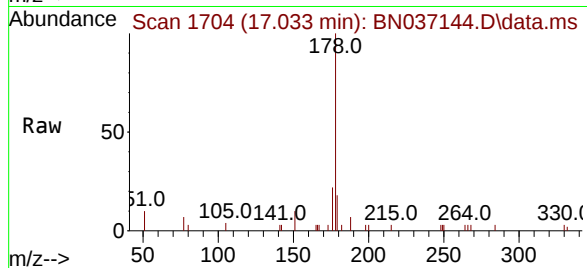




#25
Phenanthrene
Concen: 0.192 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

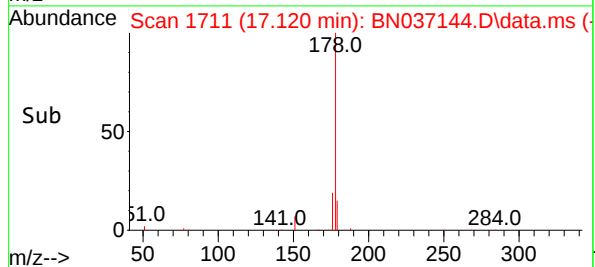
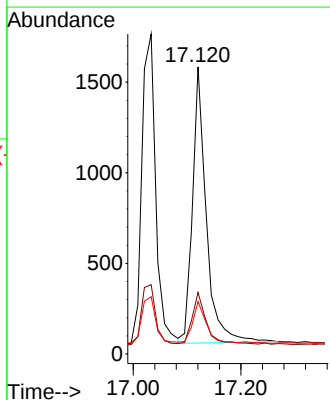
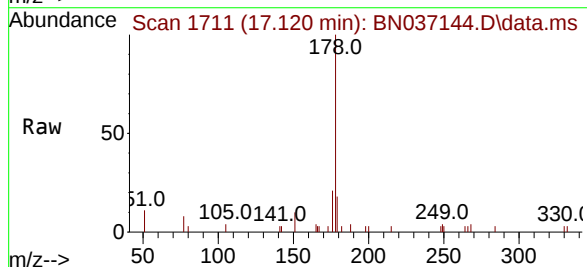
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

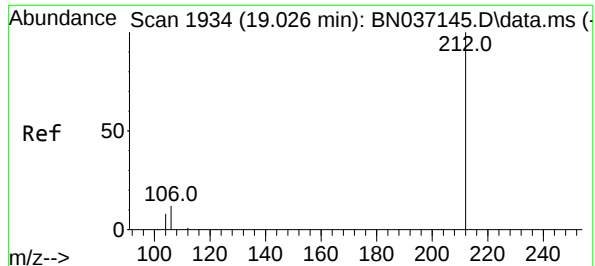
Tgt Ion:178 Resp: 3073
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 16.0 12.3 18.5



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

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





#27

Fluoranthene-d10

Concen: 0.184 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

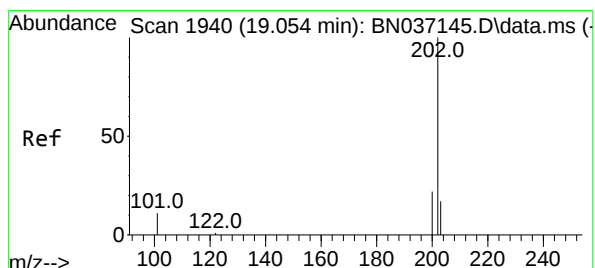
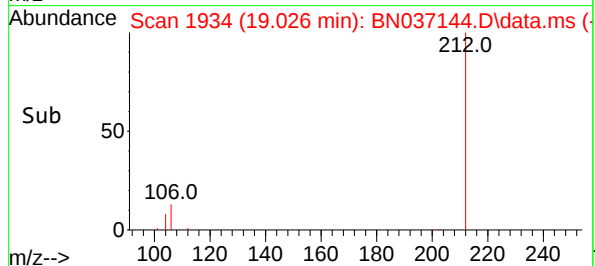
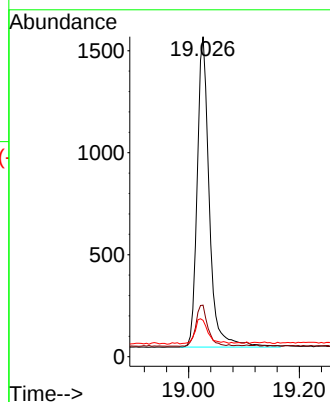
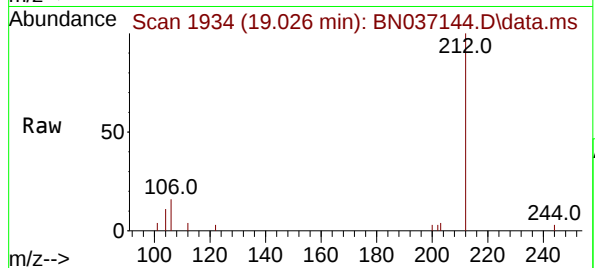
Tgt Ion:212 Resp: 2318

Ion Ratio Lower Upper

212 100

106 13.2 10.6 15.8

104 8.7 6.6 9.8



#28

Fluoranthene

Concen: 0.181 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

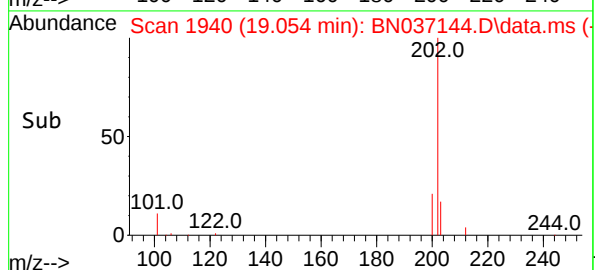
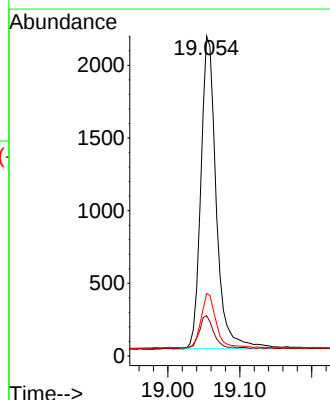
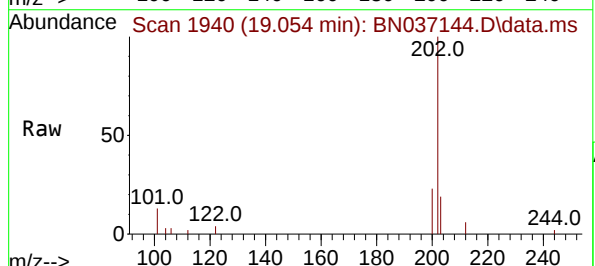
Tgt Ion:202 Resp: 3203

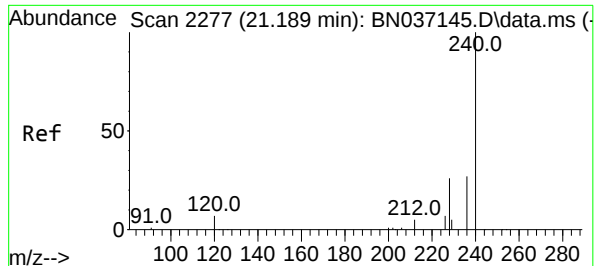
Ion Ratio Lower Upper

202 100

101 10.2 8.7 13.1

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

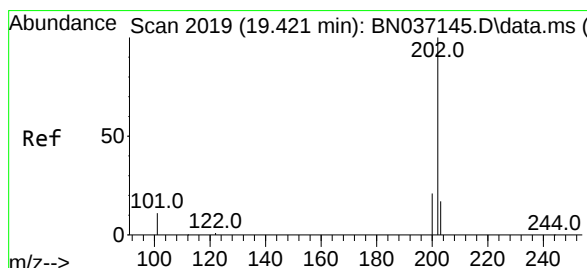
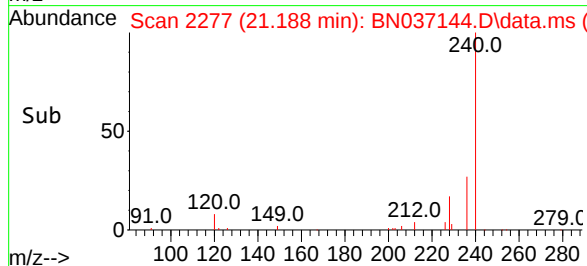
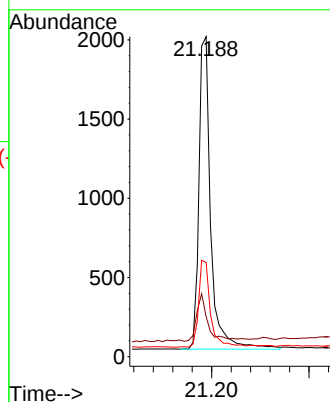
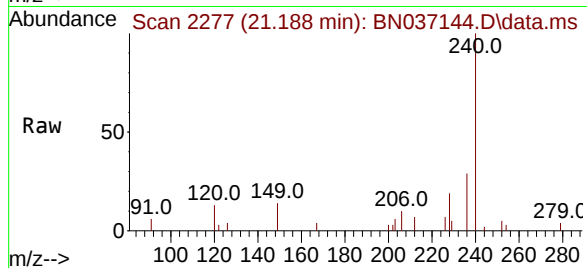
Tgt Ion:240 Resp: 3306

Ion Ratio Lower Upper

240 100

120 12.5 9.0 13.4

236 29.5 23.0 34.4



#30

Pyrene

Concen: 0.202 ng

RT: 19.421 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

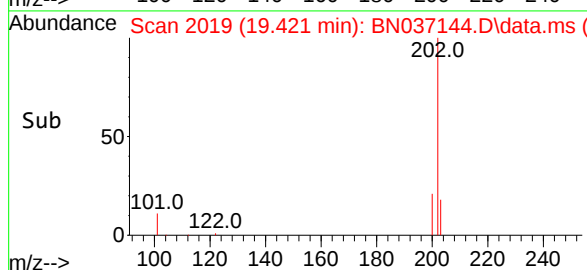
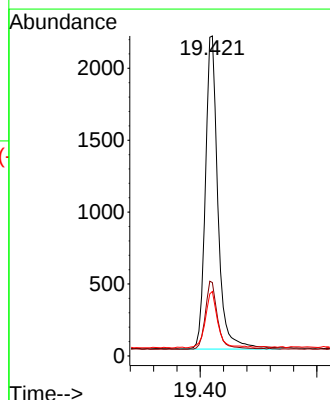
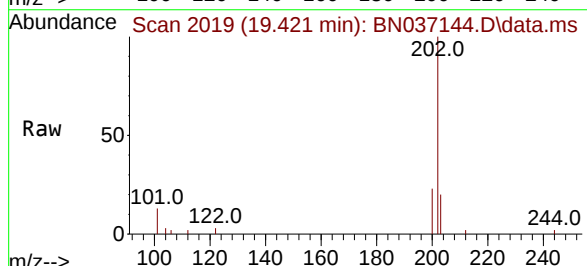
Tgt Ion:202 Resp: 3263

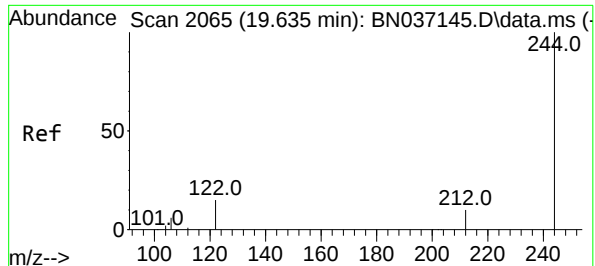
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.7 14.2 21.4

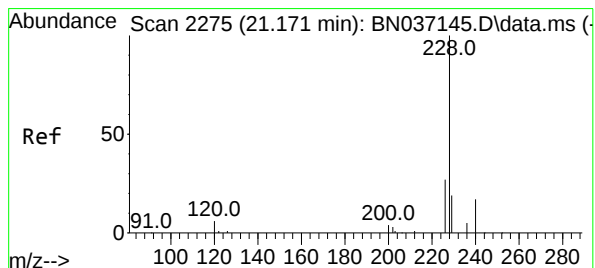
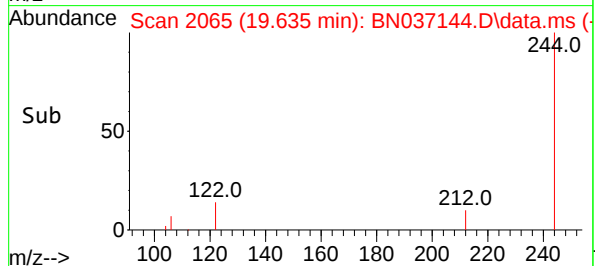
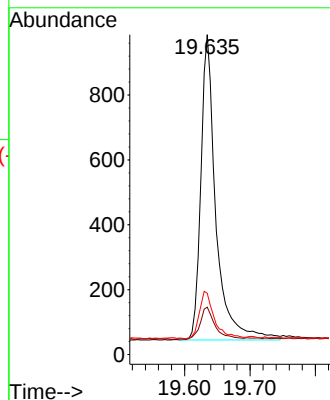
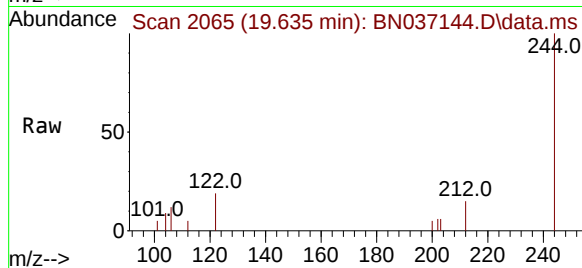




#31
Terphenyl-d14
Concen: 0.193 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037144.D
Acq: 03 Jun 2025 12:15

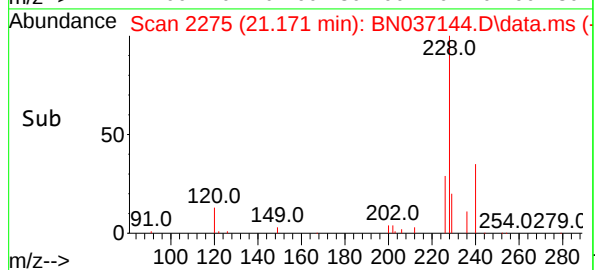
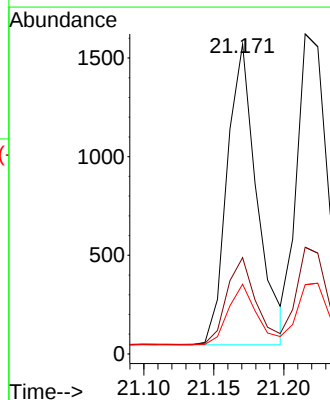
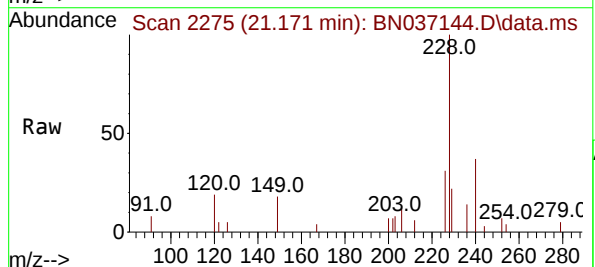
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

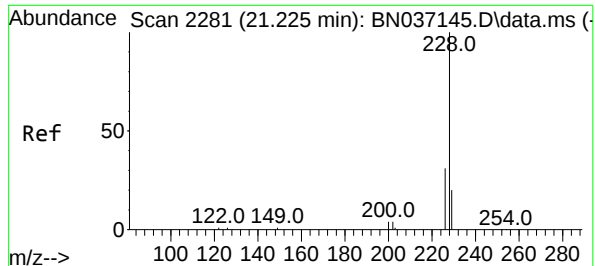
Tgt Ion	Ratio	Lower	Upper
244	100		
212	14.8	10.0	15.0
122	19.2	13.2	19.8



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

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





#33

Chrysene

Concen: 0.203 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

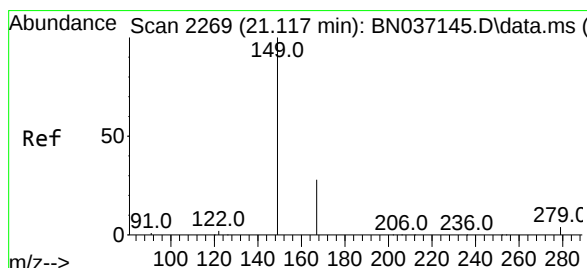
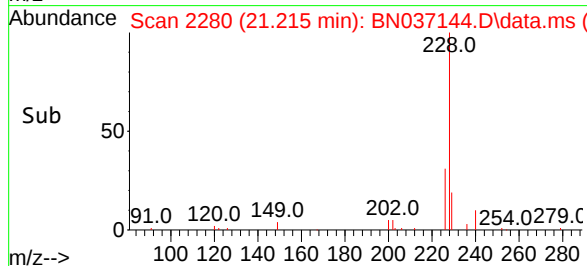
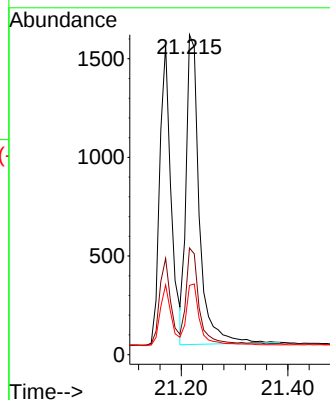
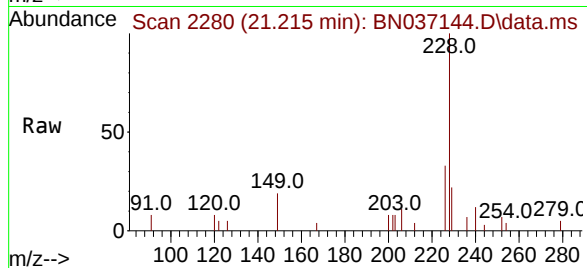
Tgt Ion:228 Resp: 2704

Ion Ratio Lower Upper

228 100

226 33.4 25.2 37.8

229 21.6 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.188 ng

RT: 21.108 min Scan# 2268

Delta R.T. -0.009 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

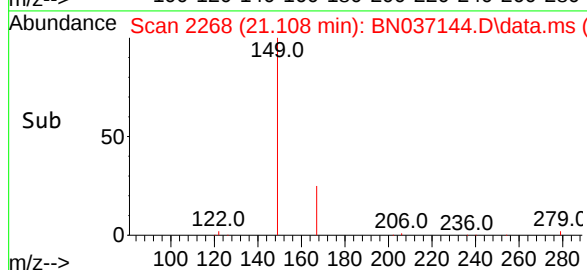
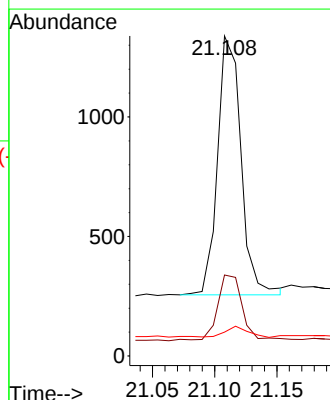
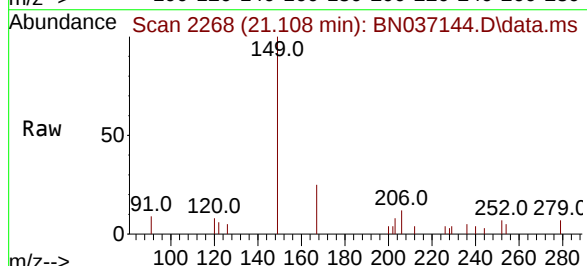
Tgt Ion:149 Resp: 1420

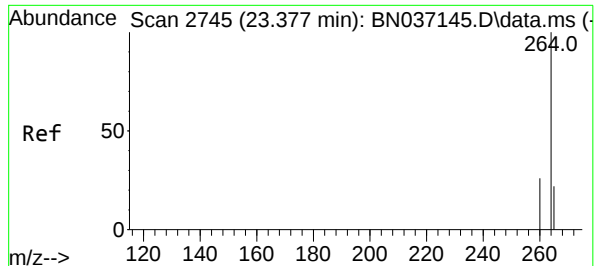
Ion Ratio Lower Upper

149 100

167 27.5 21.0 31.4

279 4.1 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037144.D

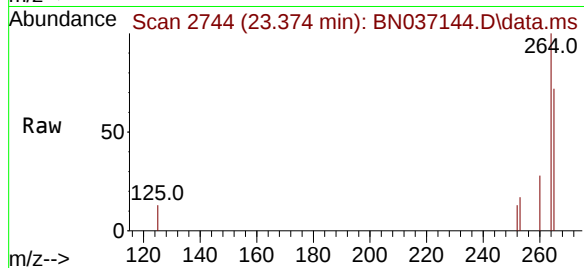
Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



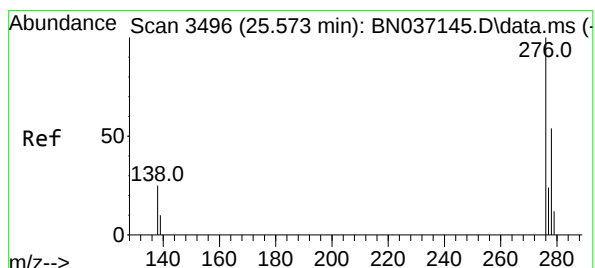
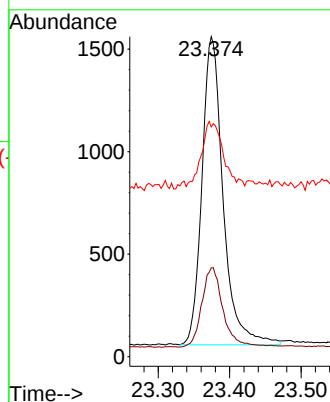
Tgt Ion:264 Resp: 3099

Ion Ratio Lower Upper

264 100

260 27.7 22.1 33.1

265 71.8 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.202 ng

RT: 25.570 min Scan# 3495

Delta R.T. -0.003 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

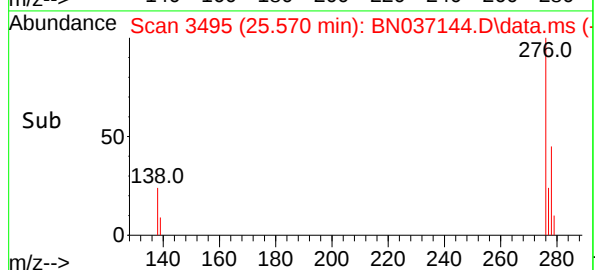
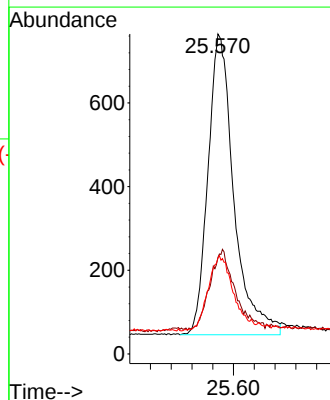
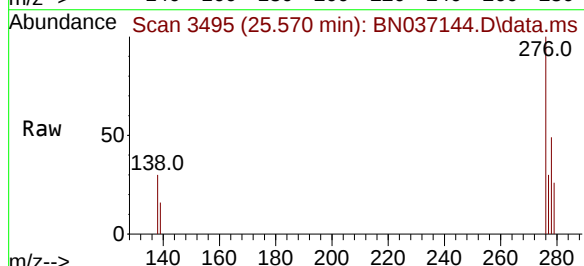
Tgt Ion:276 Resp: 2487

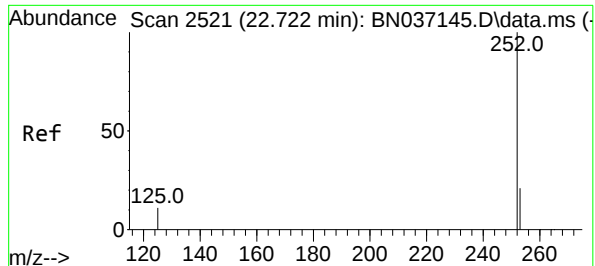
Ion Ratio Lower Upper

276 100

138 26.3 21.0 31.6

277 24.6 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.188 ng

RT: 22.719 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037144.D

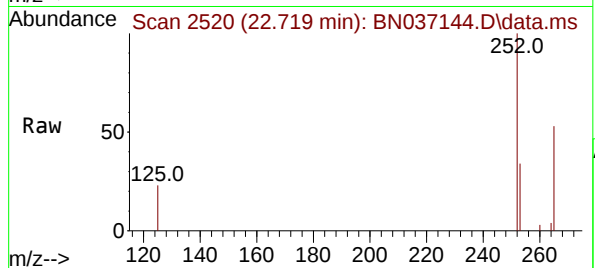
Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



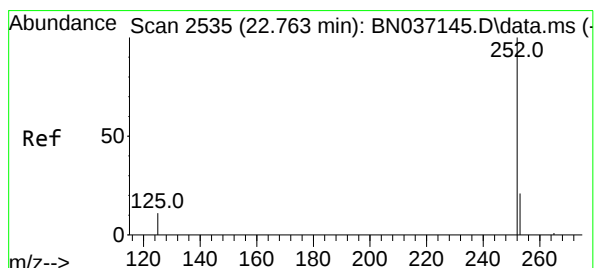
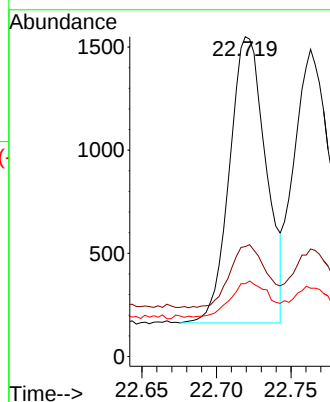
Tgt Ion:252 Resp: 2355

Ion Ratio Lower Upper

252 100

253 34.4 22.3 33.5#

125 22.8 13.2 19.8#



#38

Benzo(k)fluoranthene

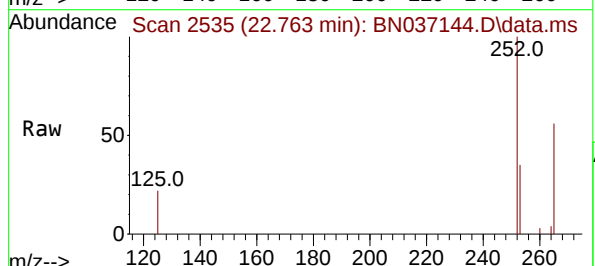
Concen: 0.190 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15



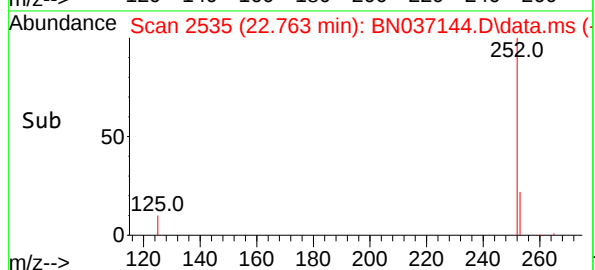
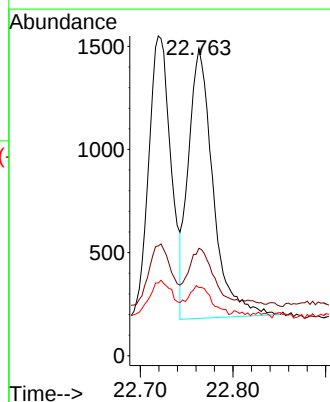
Tgt Ion:252 Resp: 2425

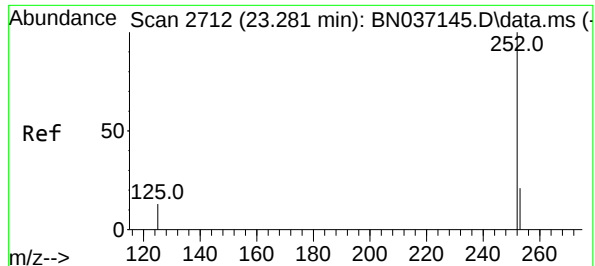
Ion Ratio Lower Upper

252 100

253 35.0 22.2 33.4#

125 22.2 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 0.190 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

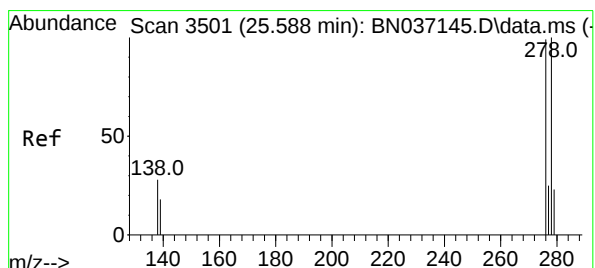
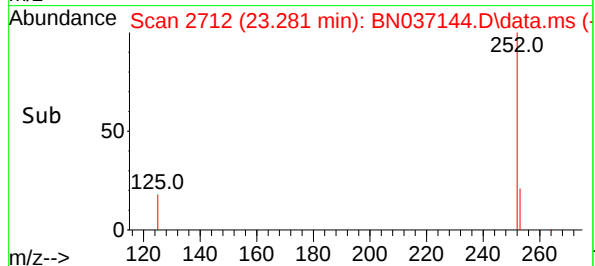
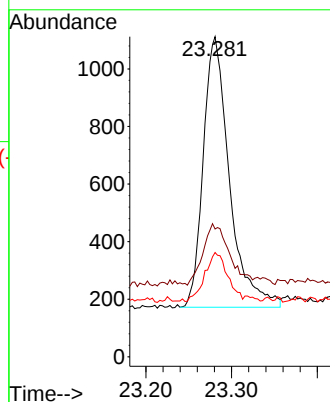
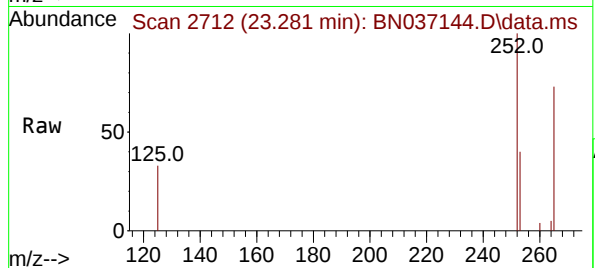
Tgt Ion:252 Resp: 1994

Ion Ratio Lower Upper

252 100

253 39.9 25.0 37.4#

125 32.6 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.190 ng

RT: 25.587 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037144.D

Acq: 03 Jun 2025 12:15

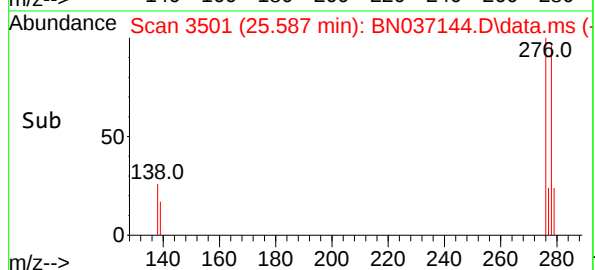
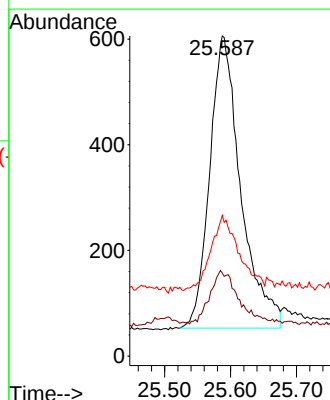
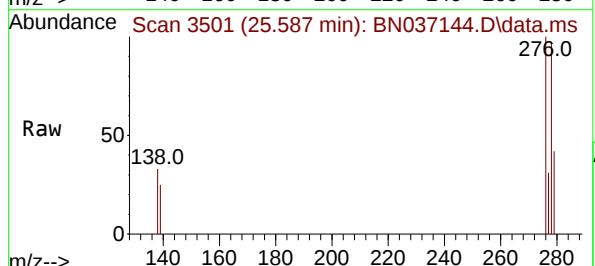
Tgt Ion:278 Resp: 1809

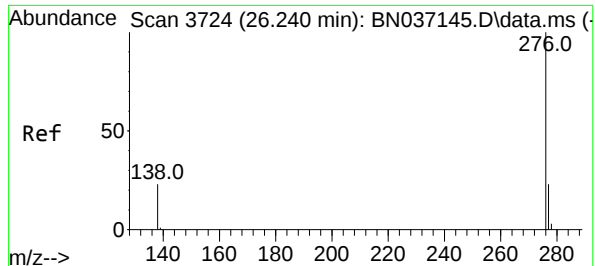
Ion Ratio Lower Upper

278 100

139 25.9 17.6 26.4

279 43.9 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 0.206 ng

RT: 26.239 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037144.D

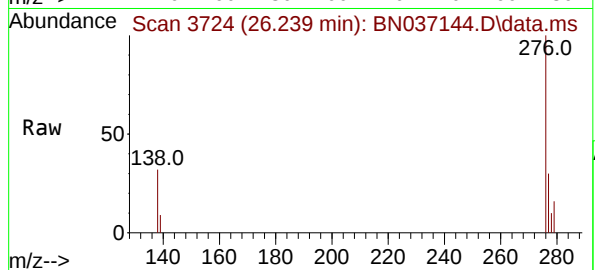
Acq: 03 Jun 2025 12:15

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



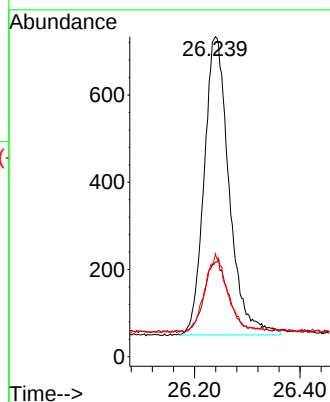
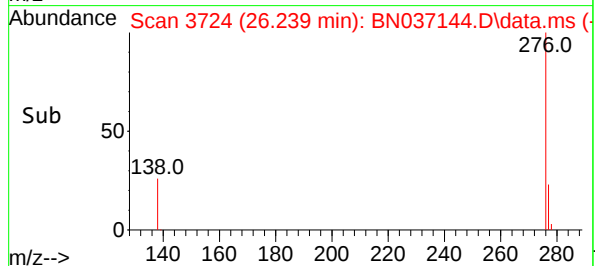
Tgt Ion:276 Resp: 2247

Ion Ratio Lower Upper

276 100

277 29.6 20.9 31.3

138 32.2 20.8 31.2#



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

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

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

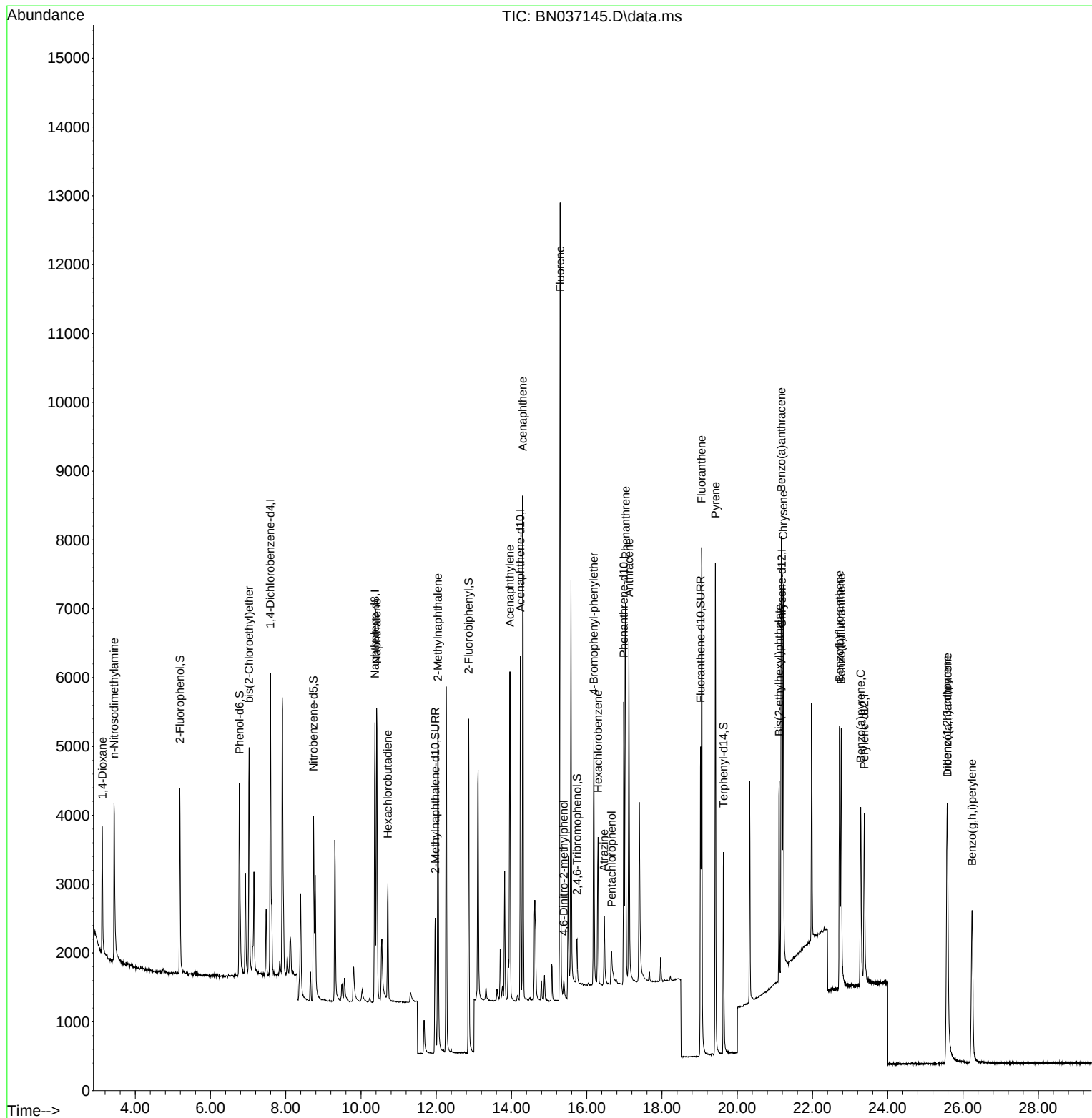
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	2099	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5221	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2886	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5446	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3769	0.400	ng	0.00
35) Perylene-d12	23.377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

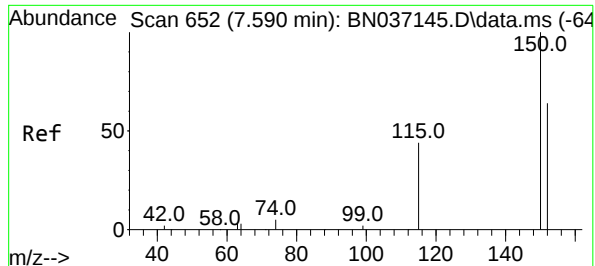
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

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

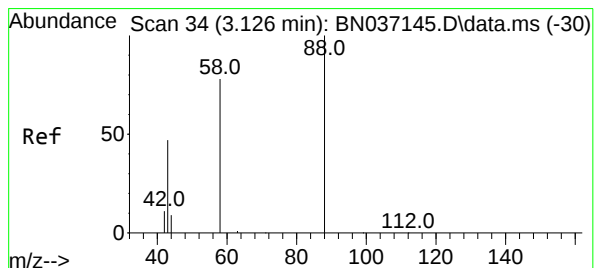
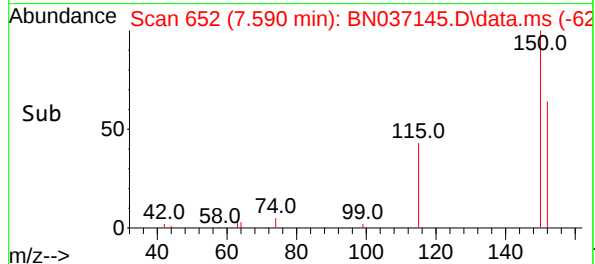
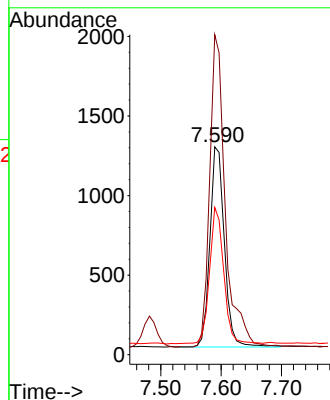
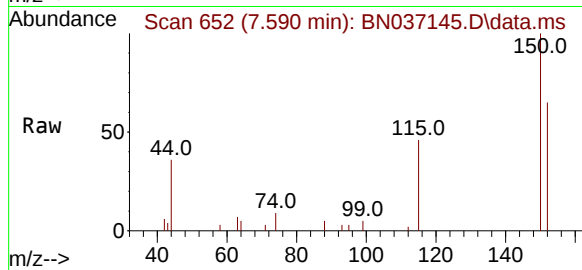




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

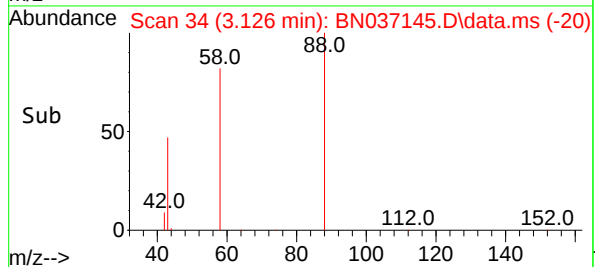
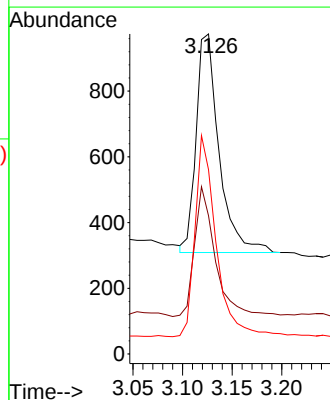
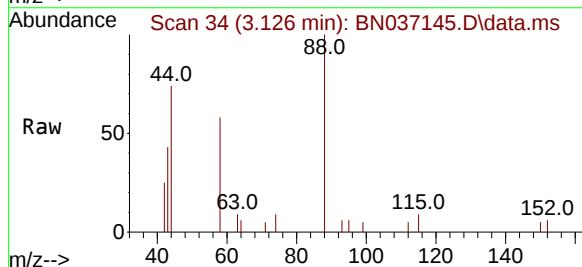
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

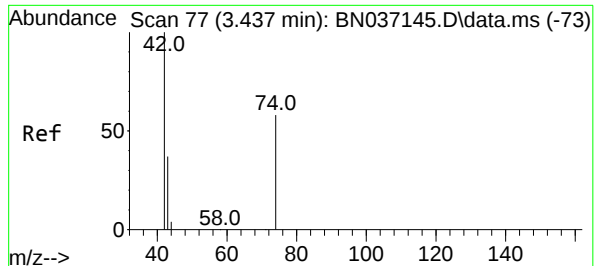
Tgt Ion:152 Resp: 2099
Ion Ratio Lower Upper
152 100
150 154.0 123.2 184.8
115 70.8 56.6 85.0



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

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

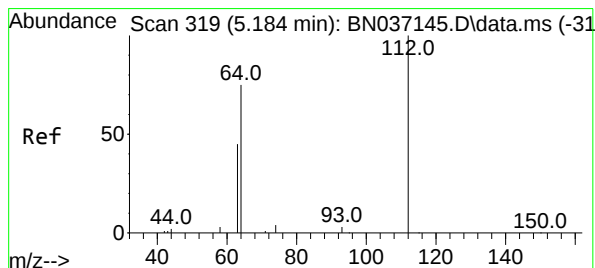
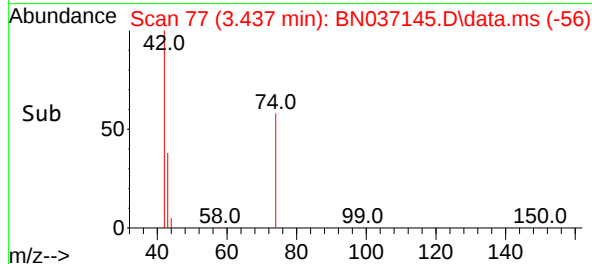
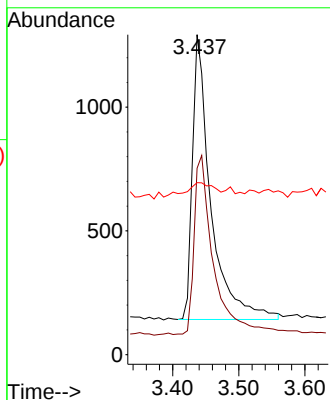
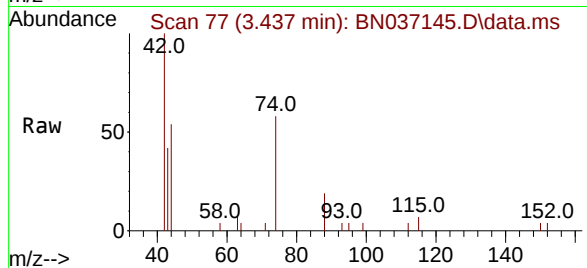




#3
n-Nitrosodimethylamine
Concen: 0.397 ng
RT: 3.437 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

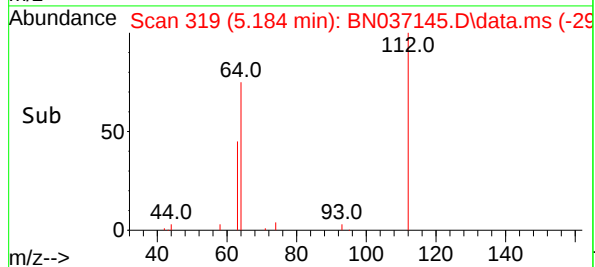
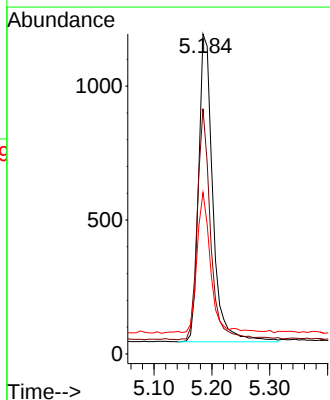
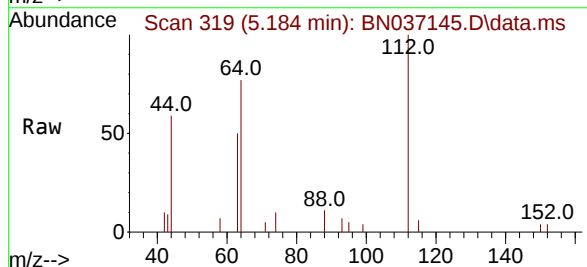
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

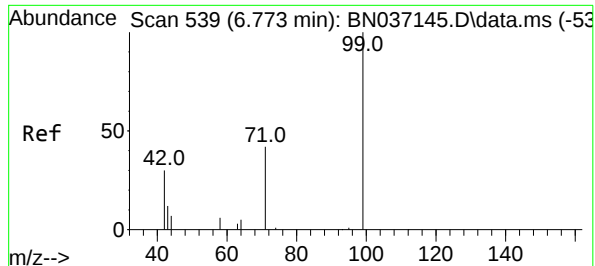
Tgt Ion: 42 Resp: 2228
Ion Ratio Lower Upper
42 100
74 66.2 53.0 79.4
44 7.4 5.9 8.9



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

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

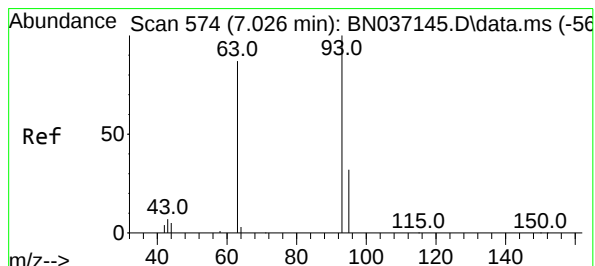
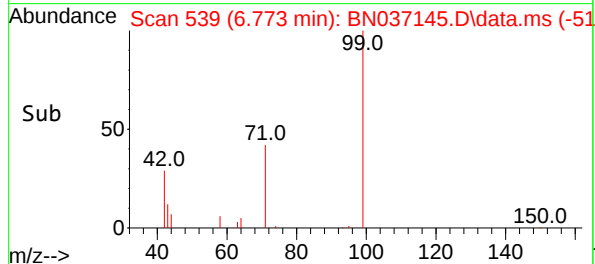
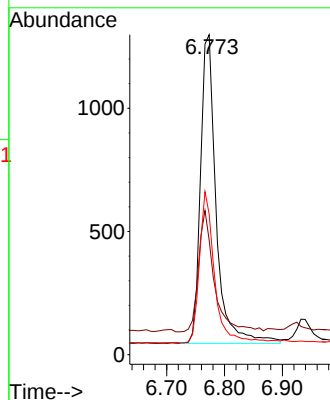
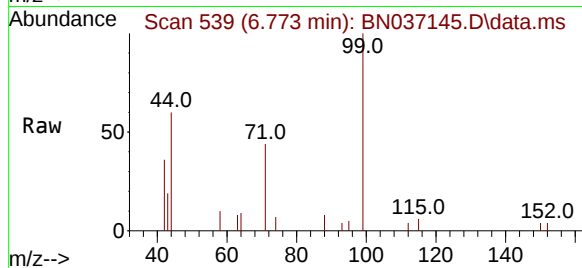




#5
Phenol-d6
Concen: 0.376 ng
RT: 6.773 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

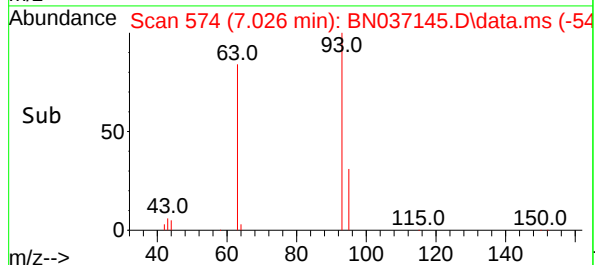
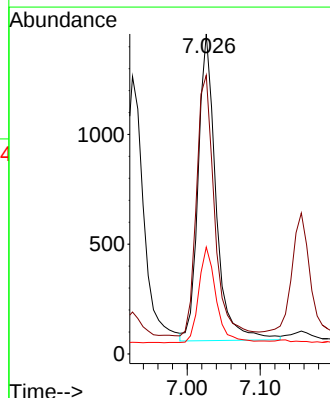
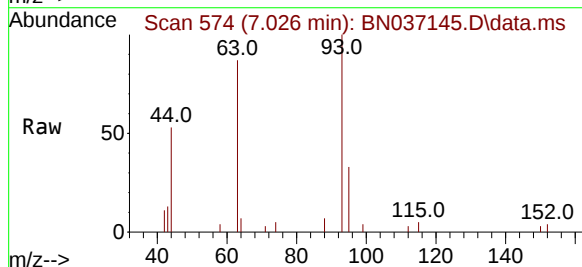
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

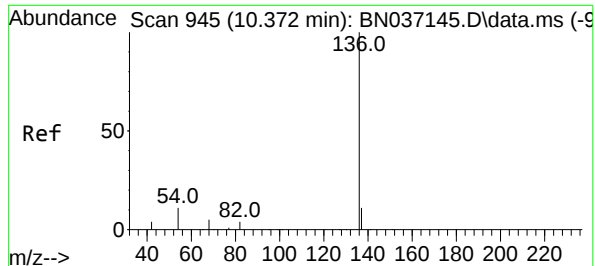
Tgt Ion:	99	Resp:	2365
Ion	Ratio	Lower	Upper
99	100		
42	39.1	31.3	46.9
71	47.7	38.2	57.2



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

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

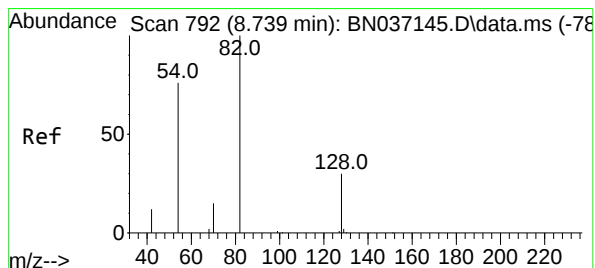
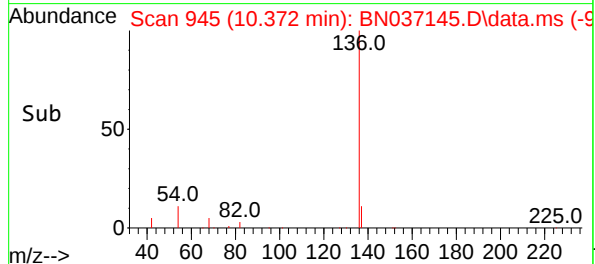
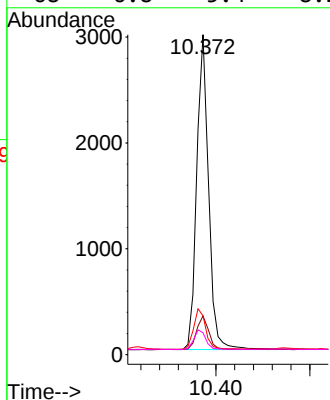
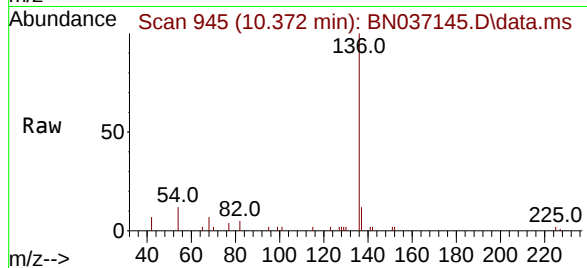




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

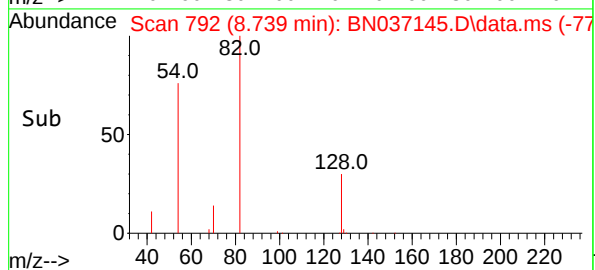
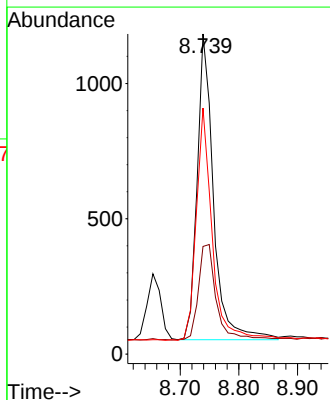
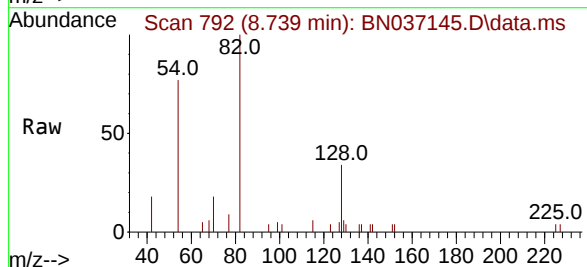
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

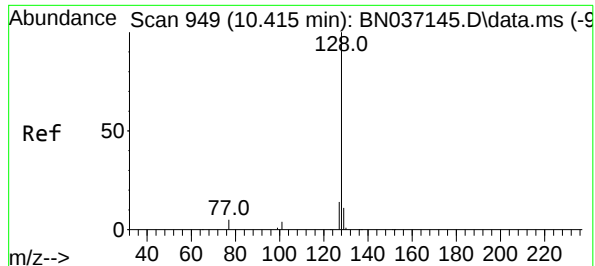
Tgt Ion:	136	Resp:	5221
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	12.1	9.7	14.5
68	6.8	5.4	8.2



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

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





#9

Naphthalene

Concen: 0.388 ng

RT: 10.415 min Scan# 949

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

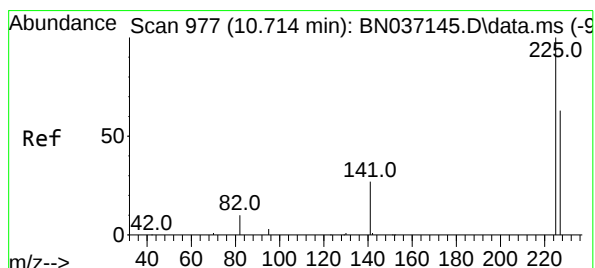
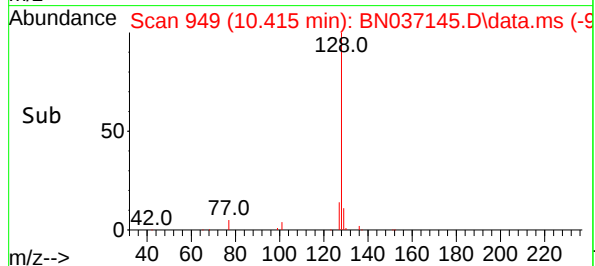
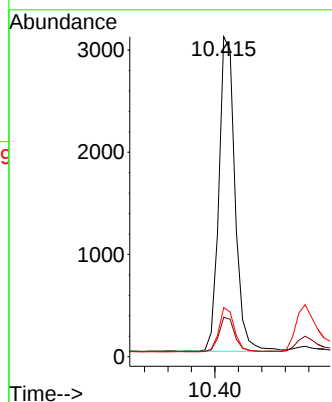
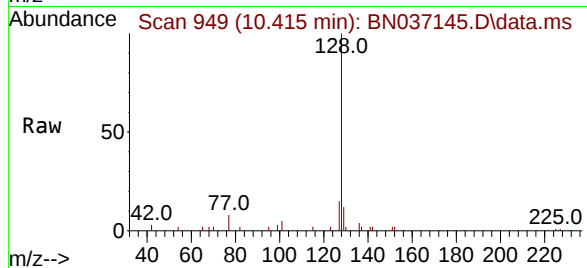
Tgt Ion:128 Resp: 5840

Ion Ratio Lower Upper

128 100

129 12.3 9.8 14.8

127 15.4 12.3 18.5



#10

Hexachlorobutadiene

Concen: 0.415 ng

RT: 10.714 min Scan# 977

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

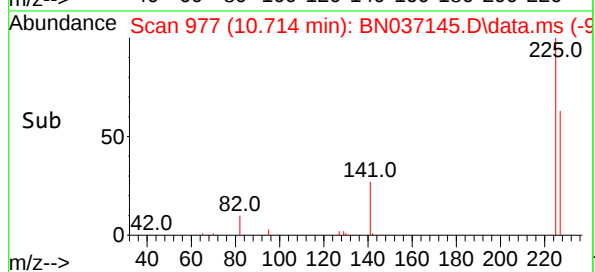
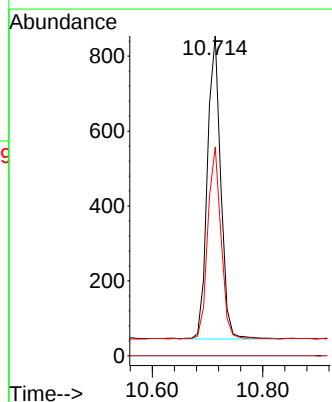
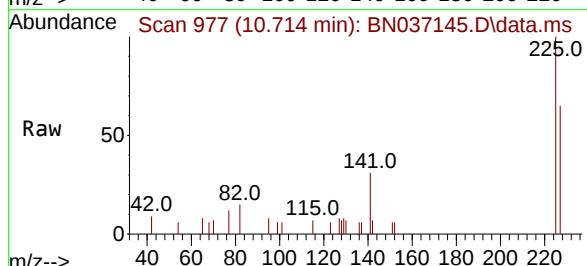
Tgt Ion:225 Resp: 1363

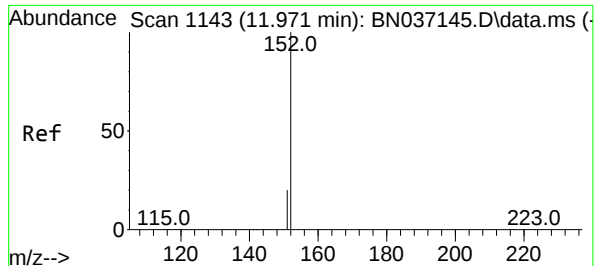
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 62.9 50.3 75.5

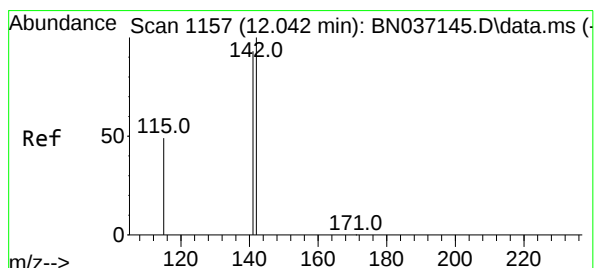
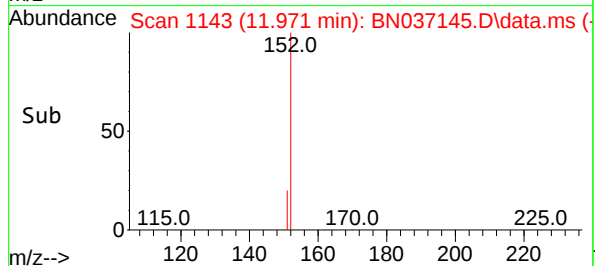
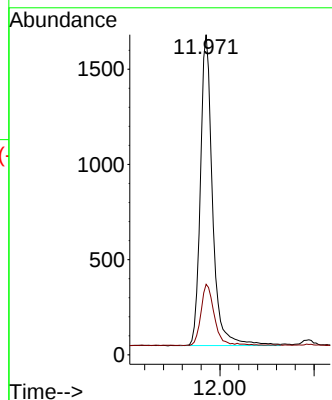
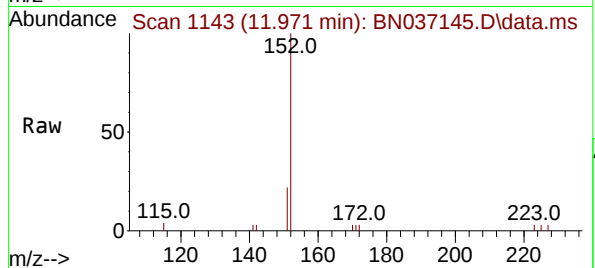




#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 11.971 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

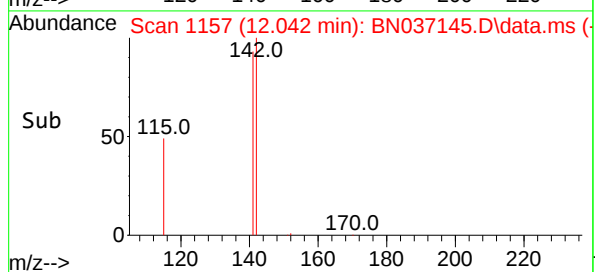
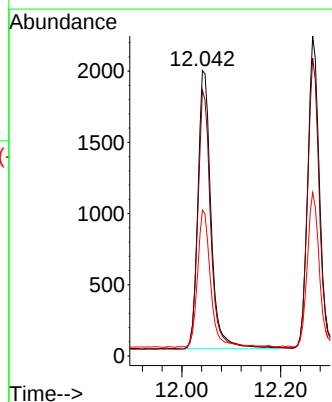
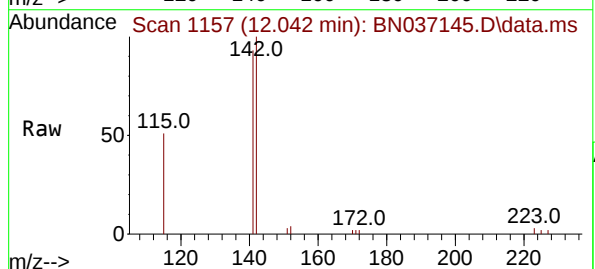
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

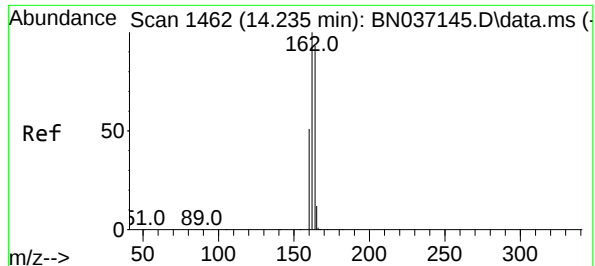
Tgt Ion:152 Resp: 2936
Ion Ratio Lower Upper
152 100
151 21.4 17.1 25.7



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

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

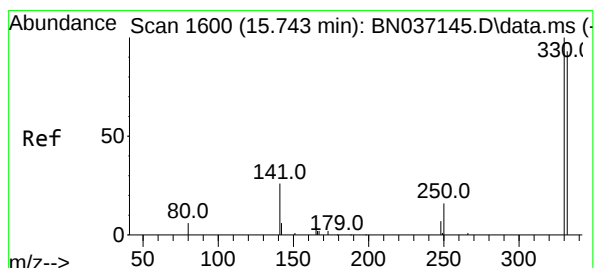
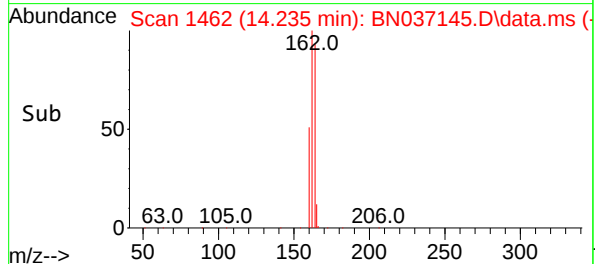
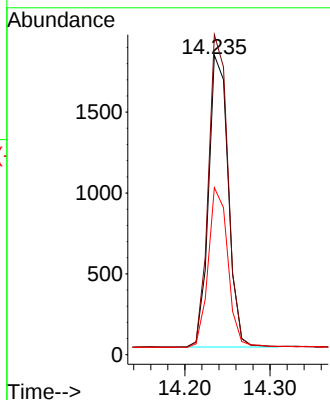
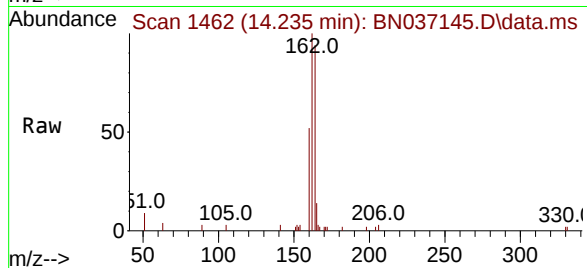




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

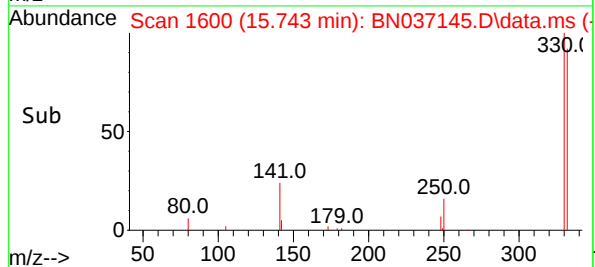
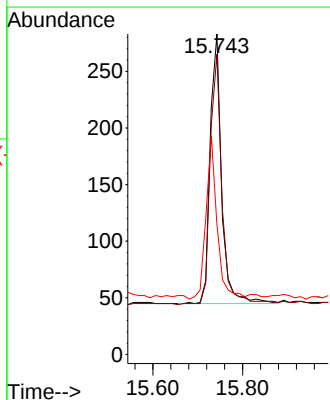
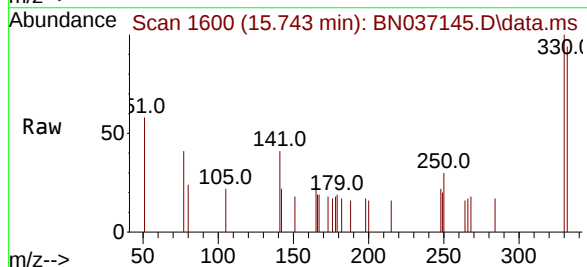
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

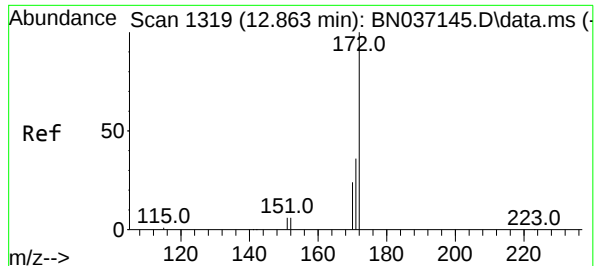
Tgt Ion:164 Resp: 2886
Ion Ratio Lower Upper
164 100
162 106.9 85.5 128.3
160 55.8 44.6 67.0



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

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

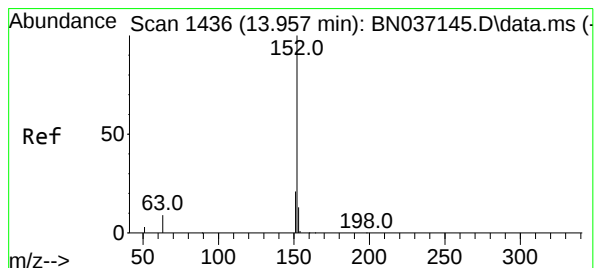
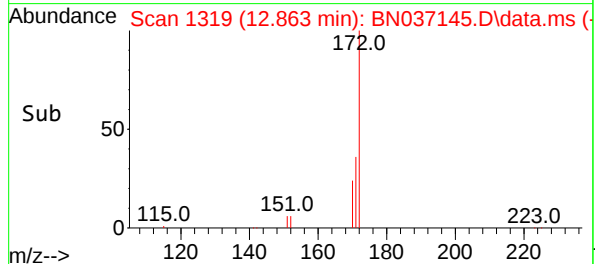
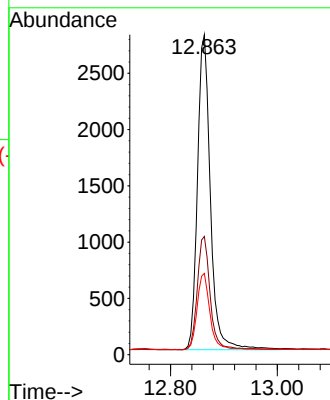
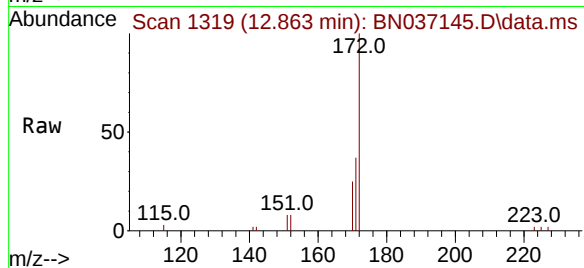




#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.863 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

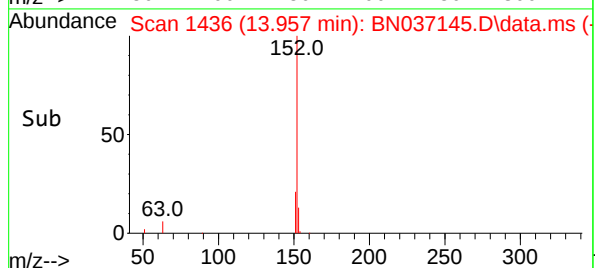
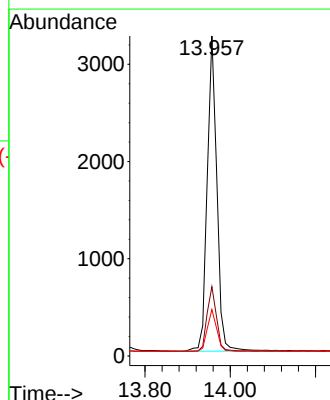
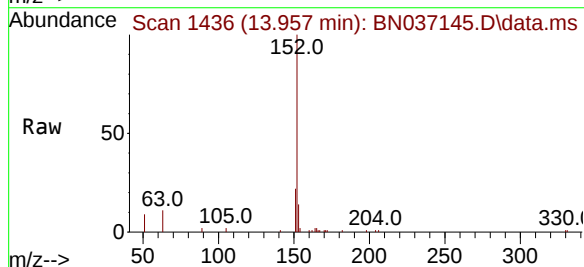
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

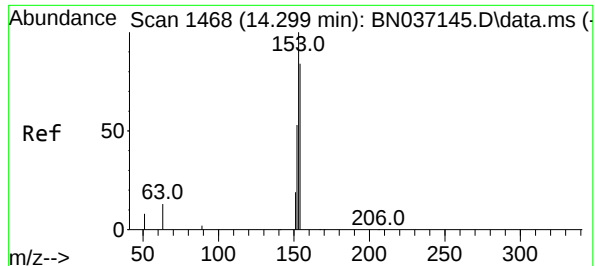
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	25.4	20.3	30.5



#16
Acenaphthylene
Concen: 0.361 ng
RT: 13.957 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.2	10.6	15.8

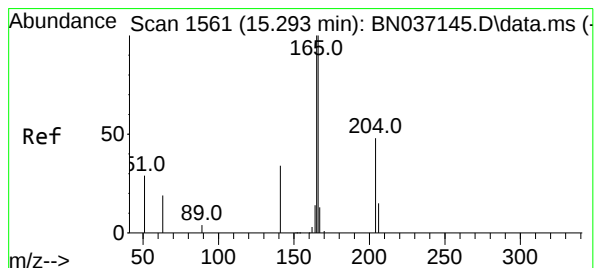
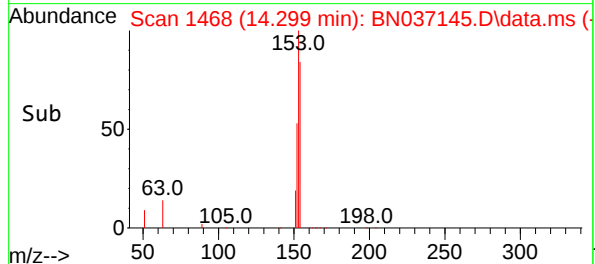
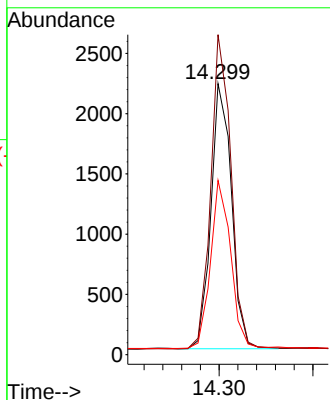
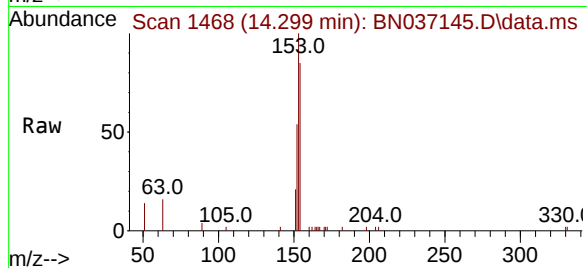




#17
Acenaphthene
Concen: 0.364 ng
RT: 14.299 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

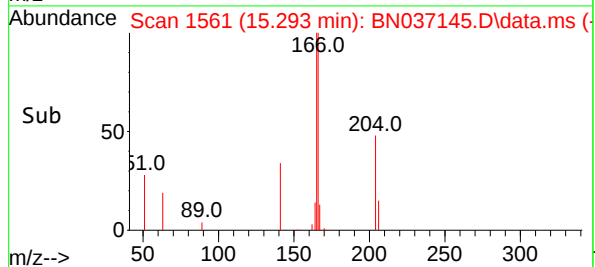
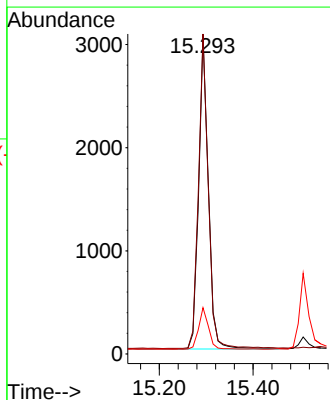
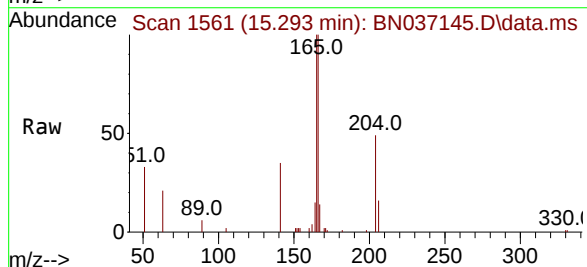
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

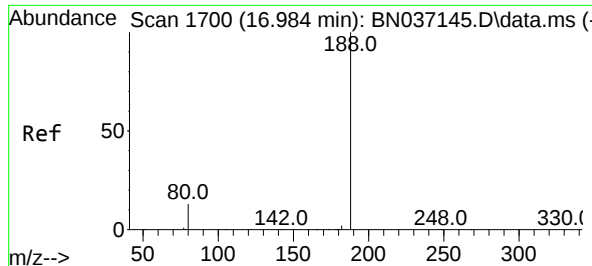
Tgt Ion:154 Resp: 3344
Ion Ratio Lower Upper
154 100
153 117.3 93.8 140.8
152 63.1 50.5 75.7



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

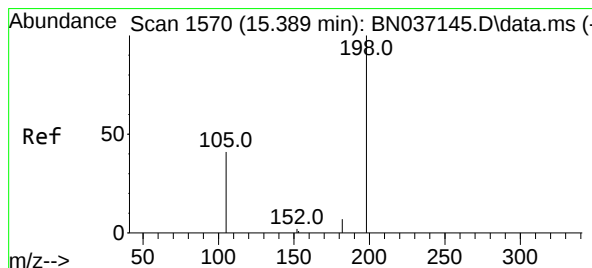
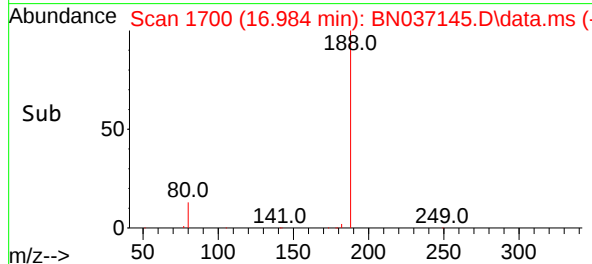
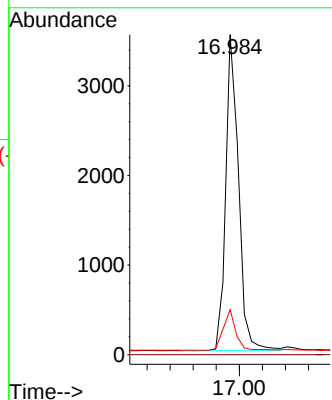
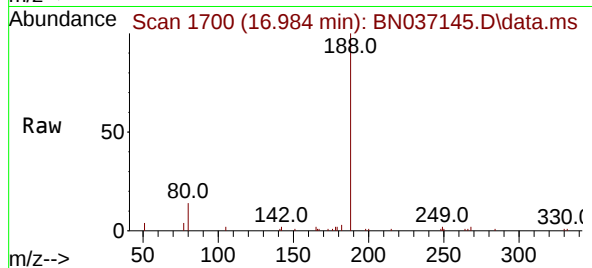
Tgt Ion:188 Resp: 5446

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.445 ng

RT: 15.389 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

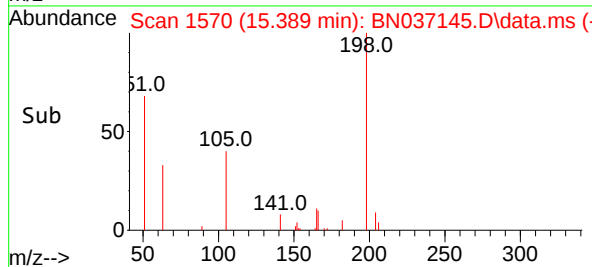
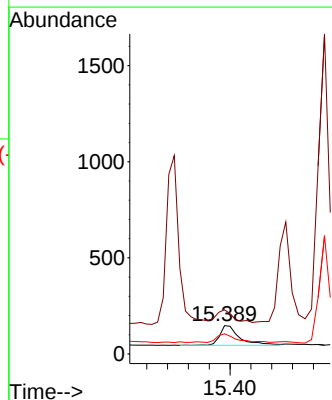
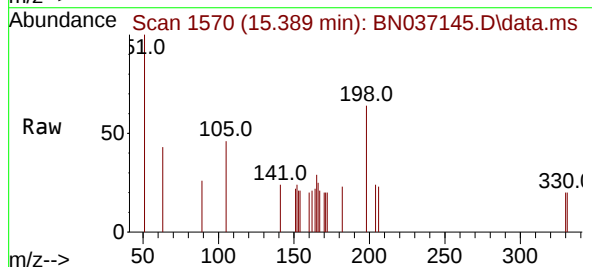
Tgt Ion:198 Resp: 272

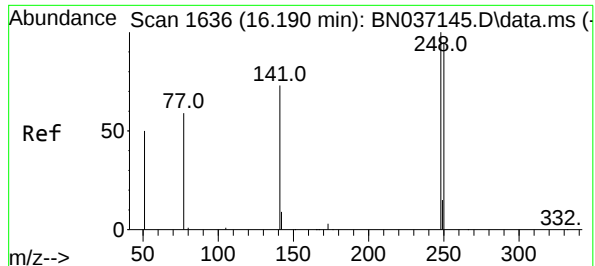
Ion Ratio Lower Upper

198 100

51 156.5 125.2 187.8

105 71.4 57.1 85.7

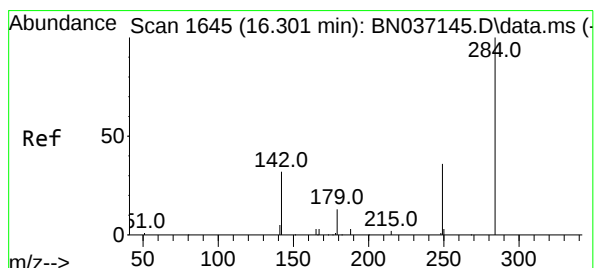
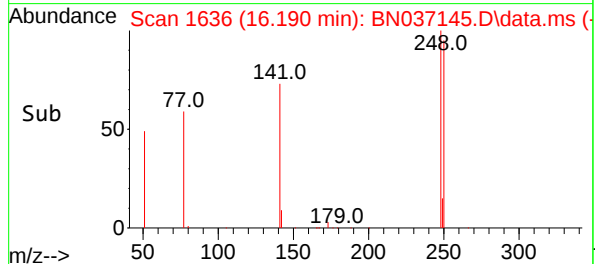
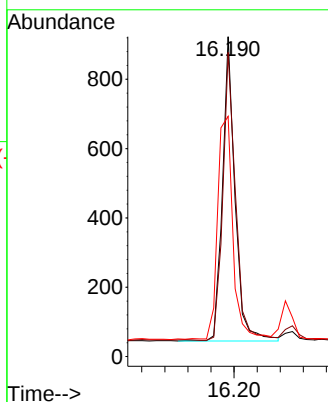
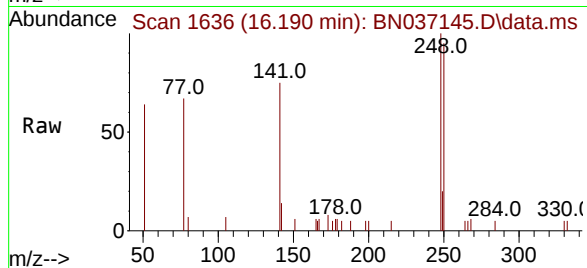




#21
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.190 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

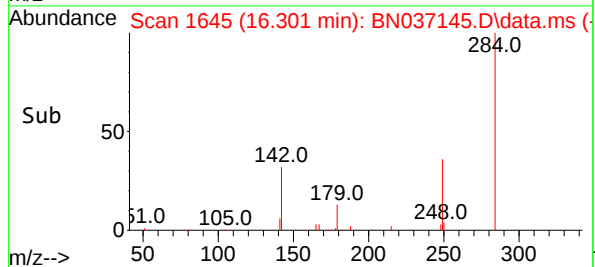
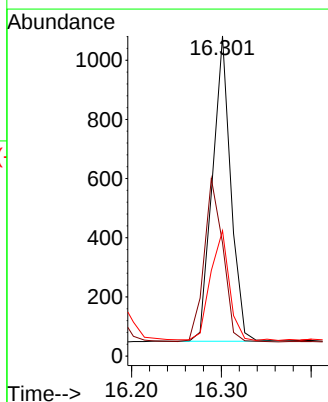
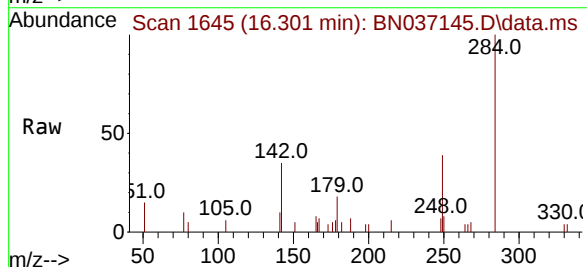
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

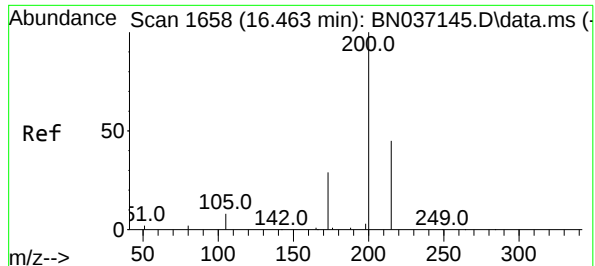
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.1	76.1	114.1
141	75.1	60.1	90.1



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

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

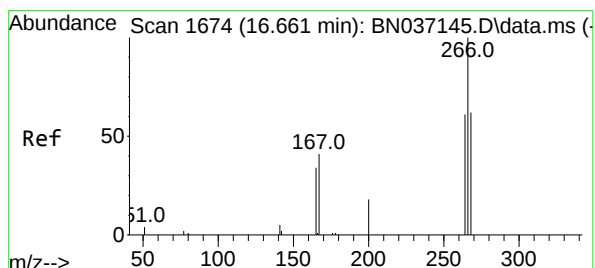
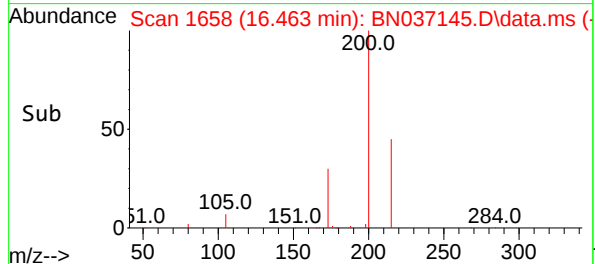
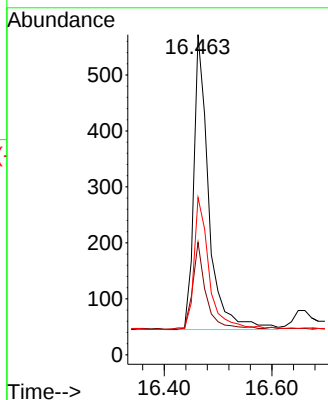
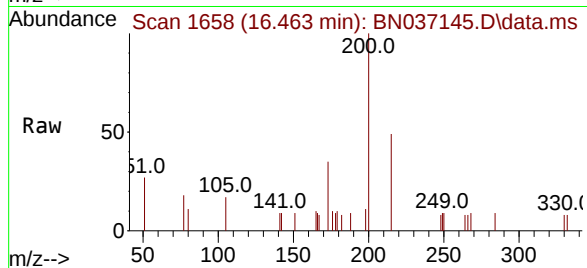




#23
Atrazine
Concen: 0.345 ng
RT: 16.463 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

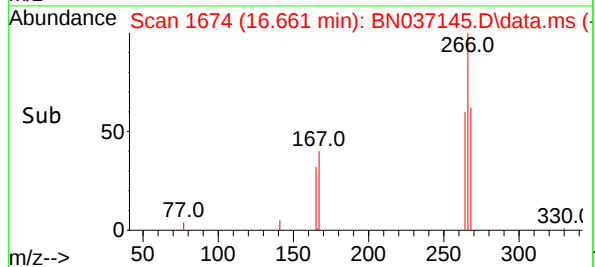
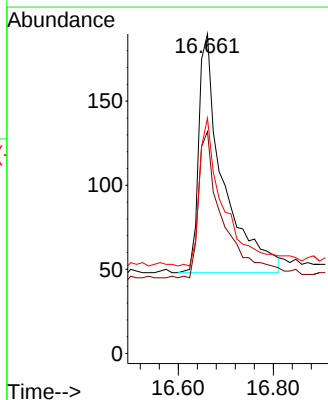
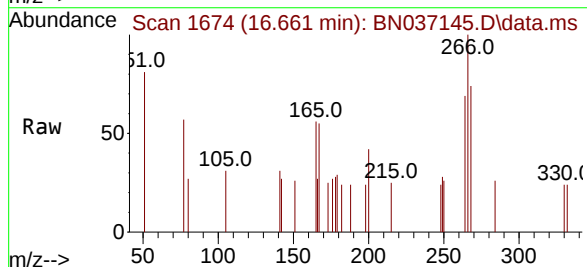
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

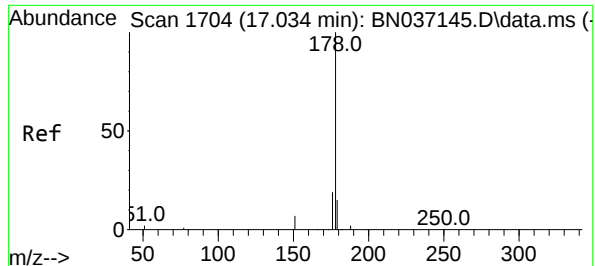
Tgt Ion:200 Resp: 1018
Ion Ratio Lower Upper
200 100
173 35.1 28.1 42.1
215 49.1 39.3 58.9



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

Tgt Ion:266 Resp: 502
Ion Ratio Lower Upper
266 100
264 61.8 49.3 73.9
268 61.4 49.0 73.4

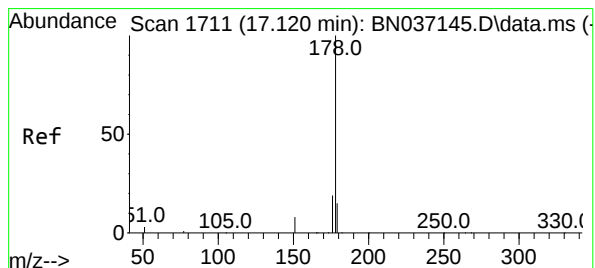
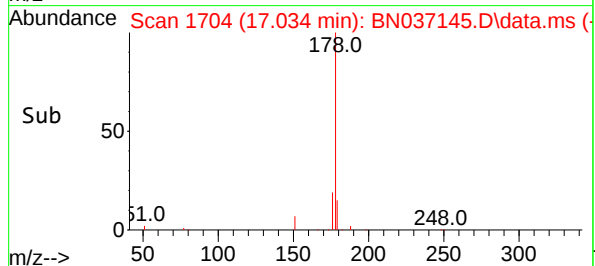
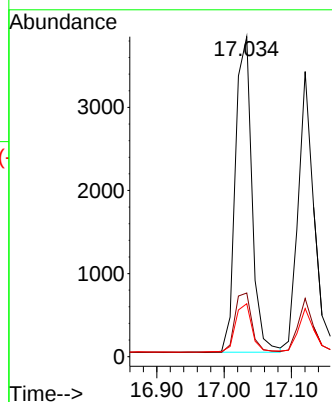
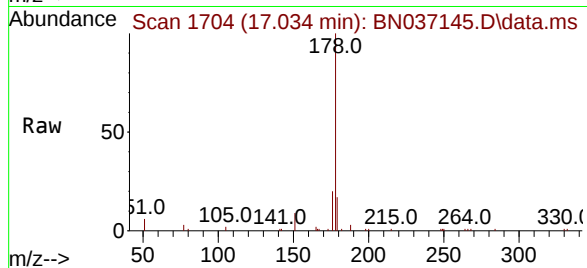




#25
Phenanthrene
Concen: 0.368 ng
RT: 17.034 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

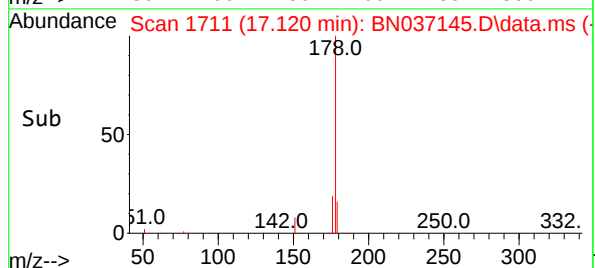
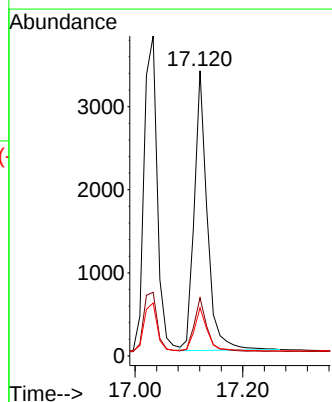
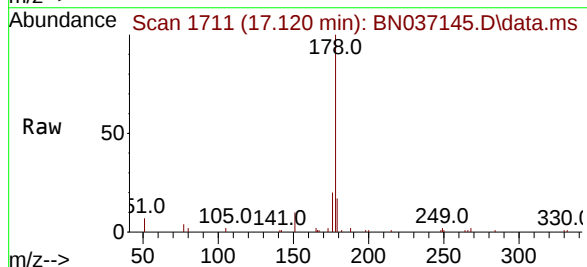
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

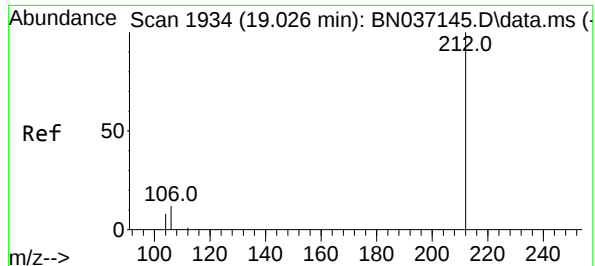
Tgt Ion:178 Resp: 6496
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.4 12.3 18.5



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

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





#27

Fluoranthene-d10

Concen: 0.384 ng

RT: 19.026 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

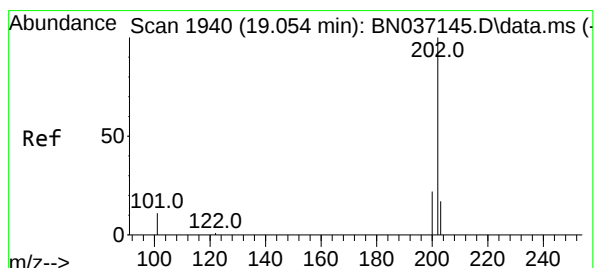
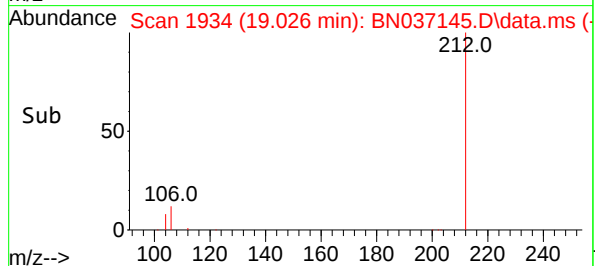
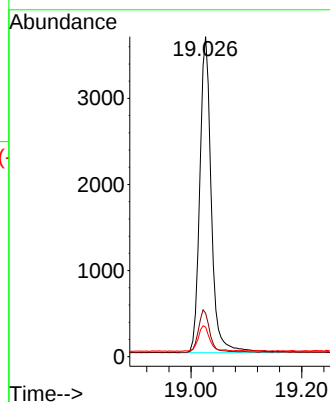
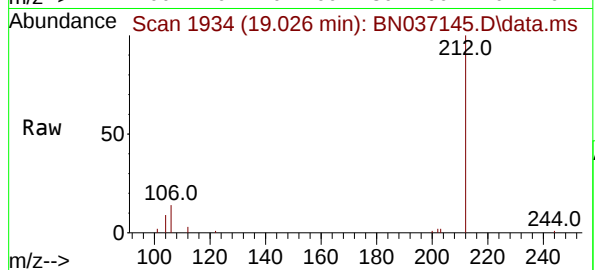
Tgt Ion:212 Resp: 5309

Ion Ratio Lower Upper

212 100

106 13.2 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.357 ng

RT: 19.054 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

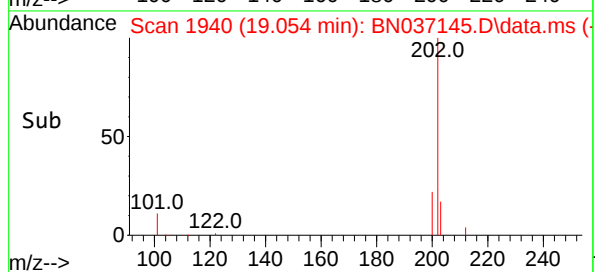
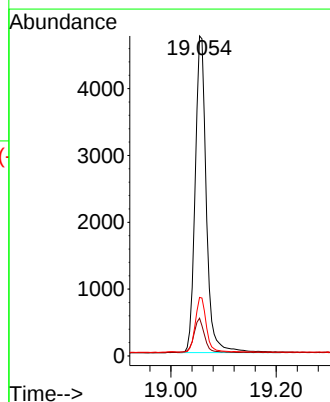
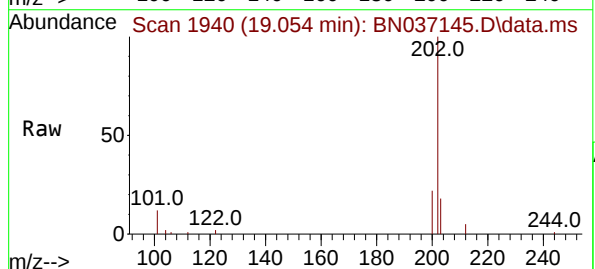
Tgt Ion:202 Resp: 6952

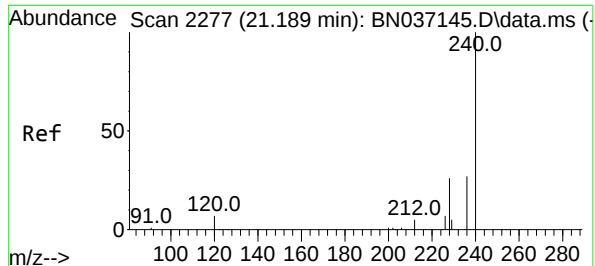
Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

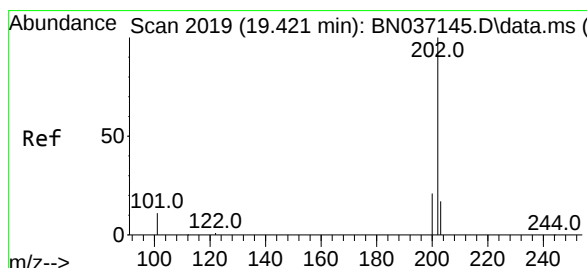
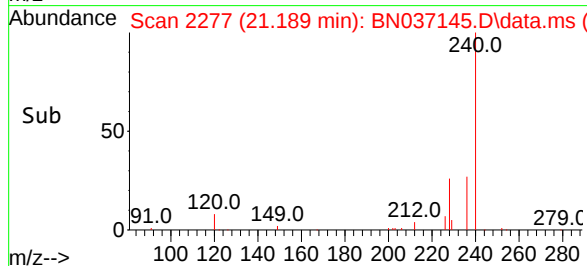
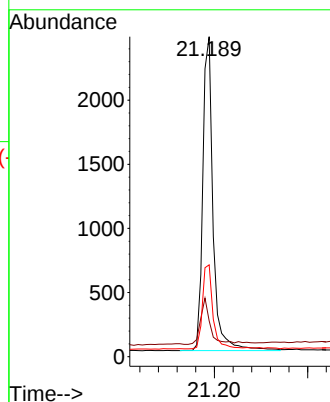
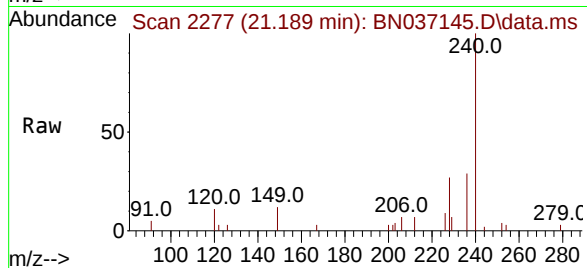
Tgt Ion:240 Resp: 3769

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.4

236 28.7 23.0 34.4



#30

Pyrene

Concen: 0.374 ng

RT: 19.421 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

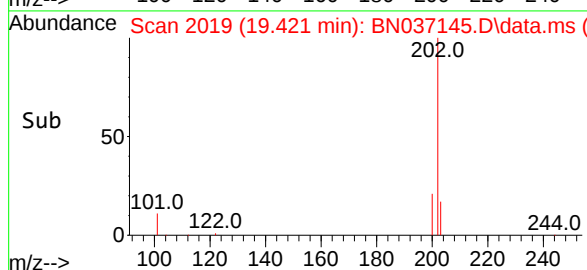
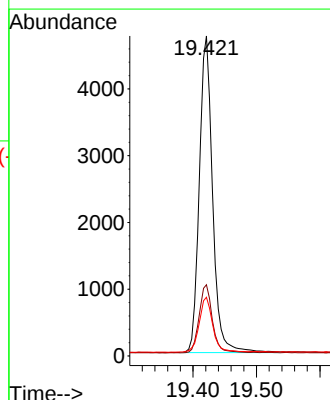
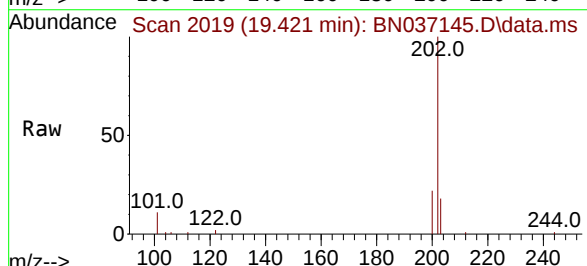
Tgt Ion:202 Resp: 6885

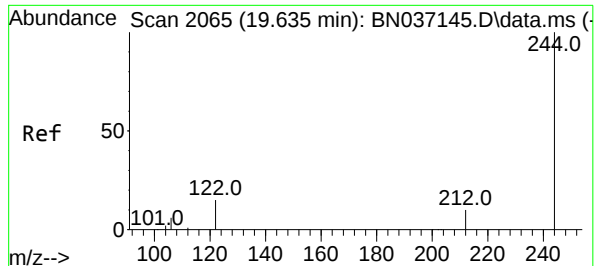
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.8 14.2 21.4

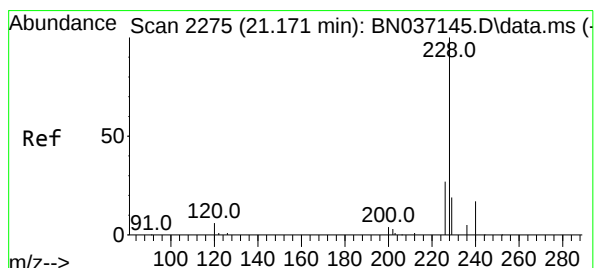
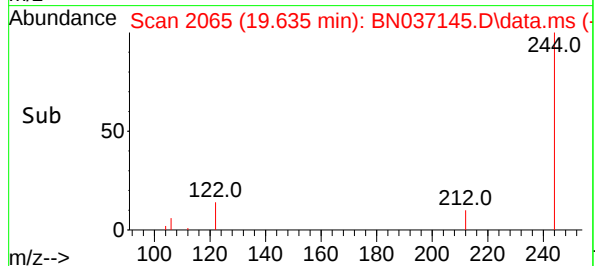
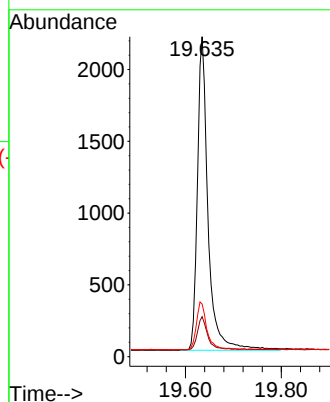
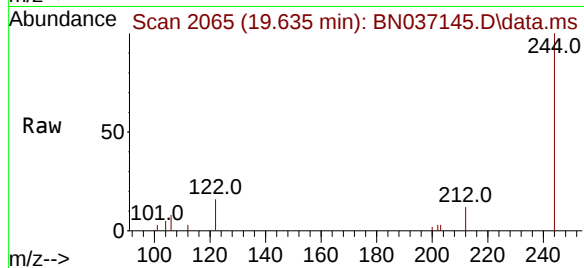




#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.635 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BN037145.D
Acq: 03 Jun 2025 12:51

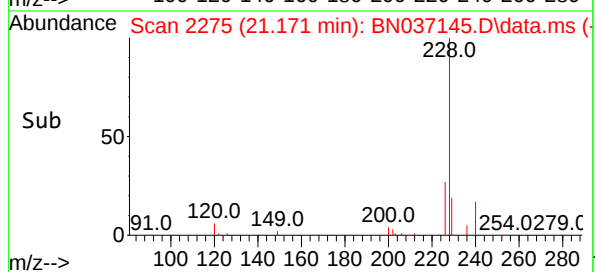
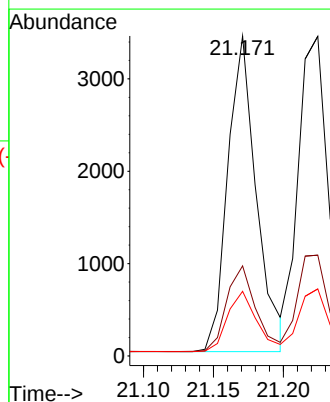
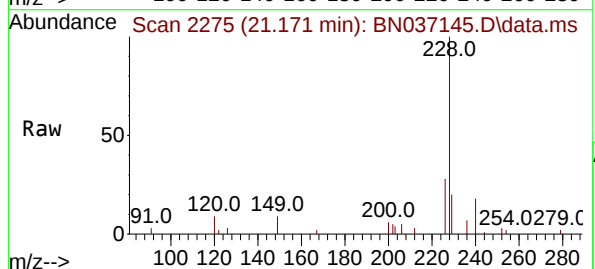
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

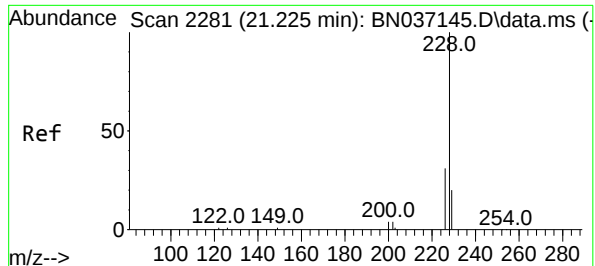
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.5	10.0	15.0
122	16.5	13.2	19.8



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

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





#33

Chrysene

Concen: 0.366 ng

RT: 21.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

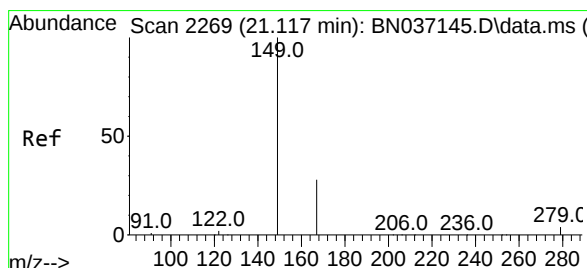
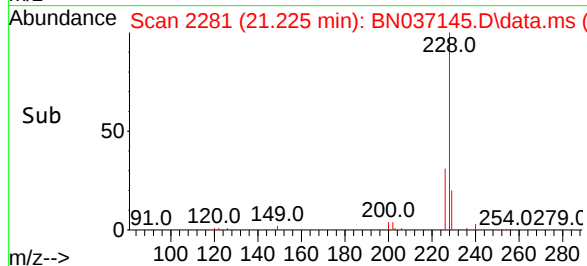
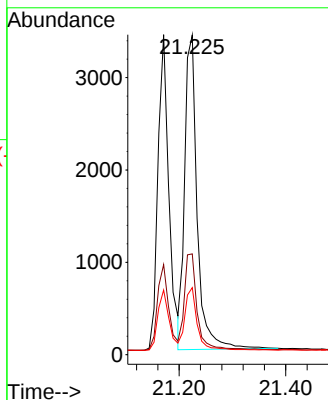
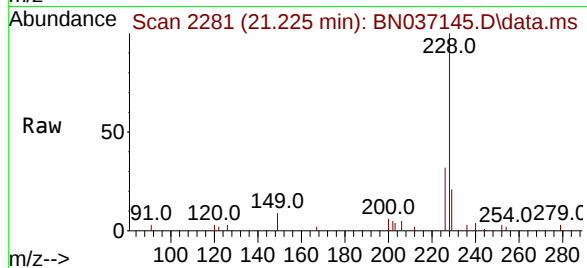
Tgt Ion:228 Resp: 5553

Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

229 21.0 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.339 ng

RT: 21.117 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

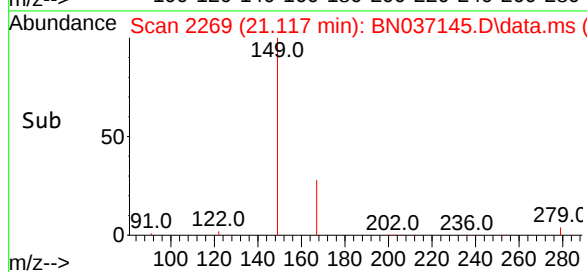
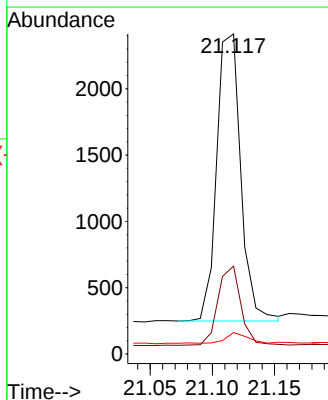
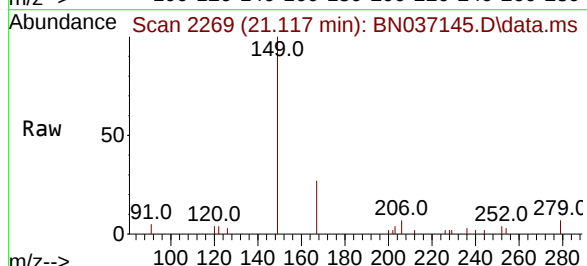
Tgt Ion:149 Resp: 2918

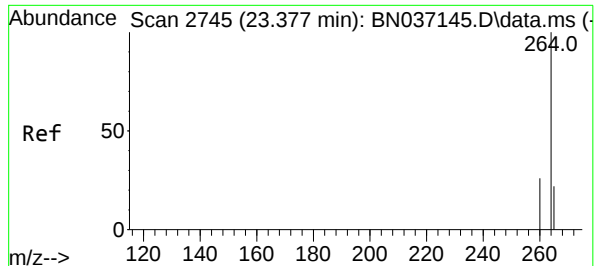
Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

279 3.6 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

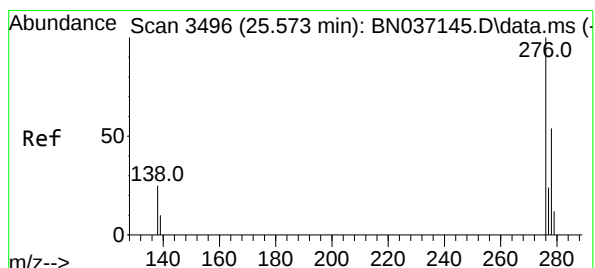
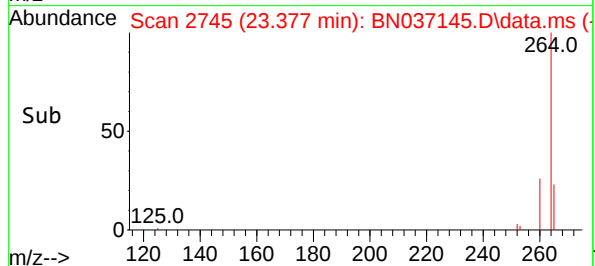
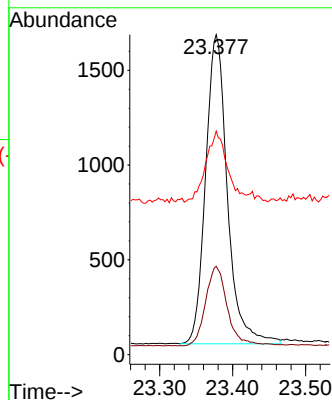
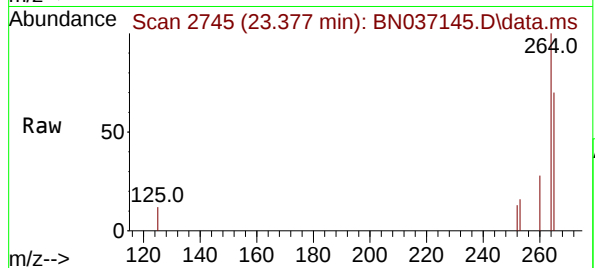
Tgt Ion:264 Resp: 3386

Ion Ratio Lower Upper

264 100

260 27.6 22.1 33.1

265 69.8 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.377 ng

RT: 25.573 min Scan# 3496

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

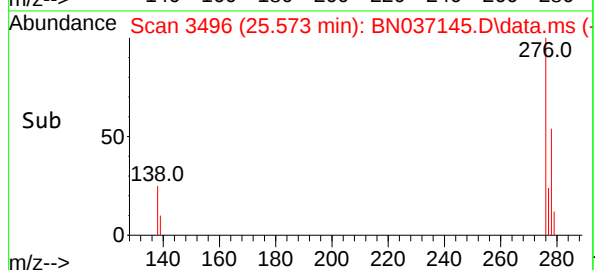
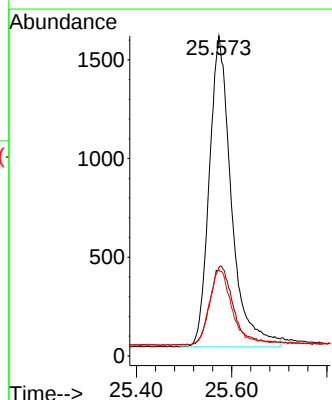
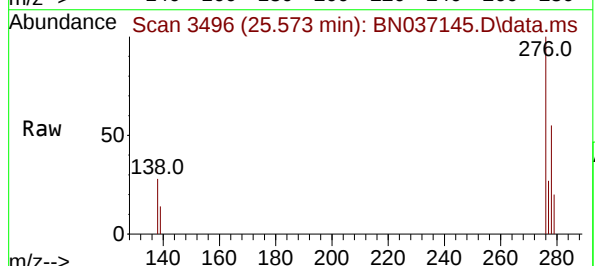
Tgt Ion:276 Resp: 5083

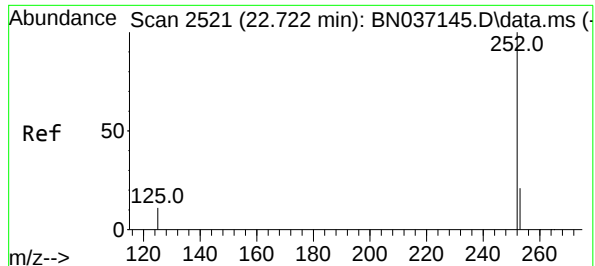
Ion Ratio Lower Upper

276 100

138 26.3 21.0 31.6

277 24.3 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.352 ng

RT: 22.722 min Scan# 2521

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

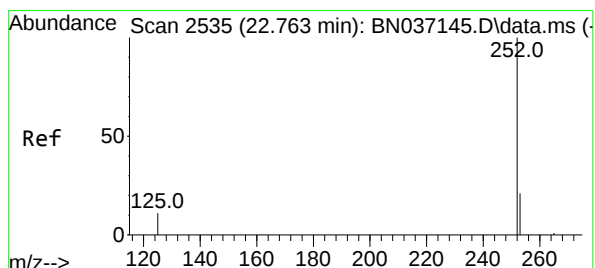
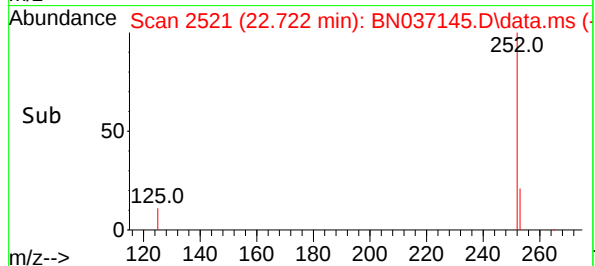
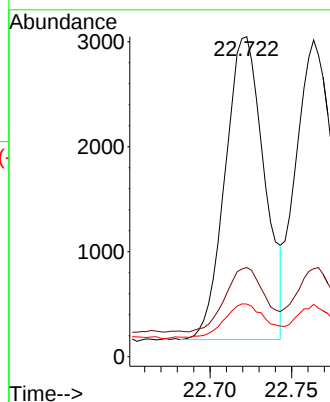
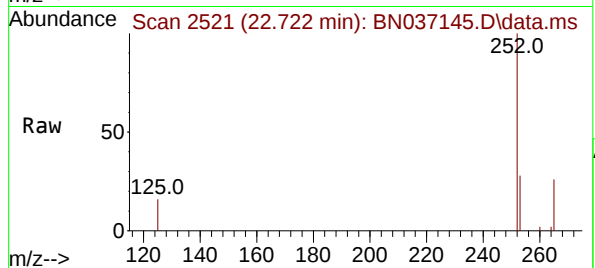
Tgt Ion:252 Resp: 4811

Ion Ratio Lower Upper

252 100

253 27.9 22.3 33.5

125 16.5 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.354 ng

RT: 22.763 min Scan# 2535

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

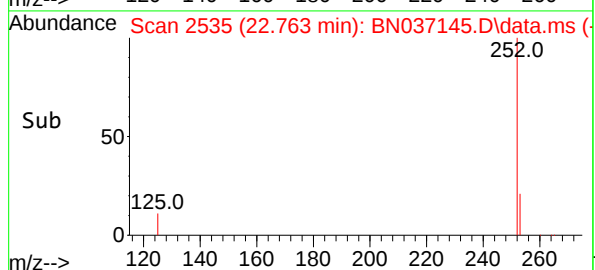
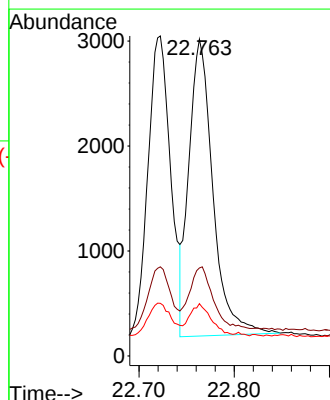
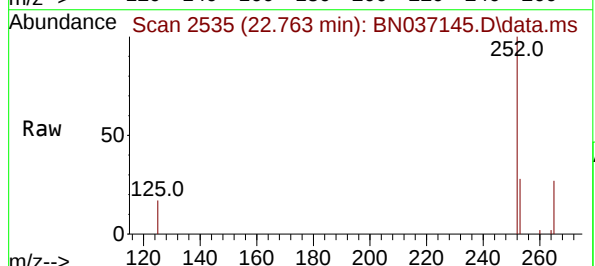
Tgt Ion:252 Resp: 4946

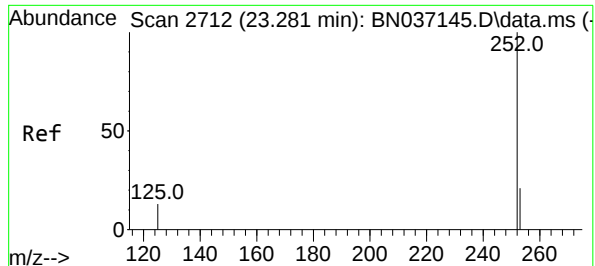
Ion Ratio Lower Upper

252 100

253 27.8 22.2 33.4

125 16.5 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.360 ng

RT: 23.281 min Scan# 2712

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

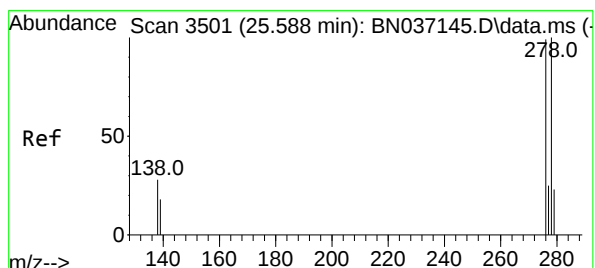
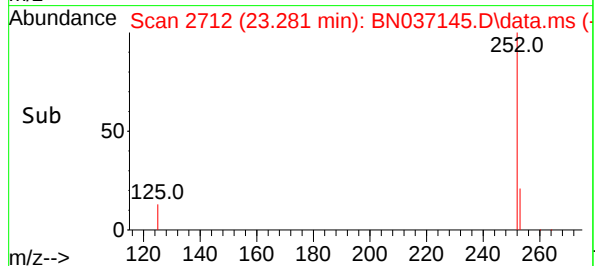
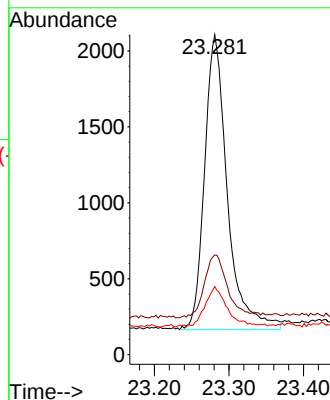
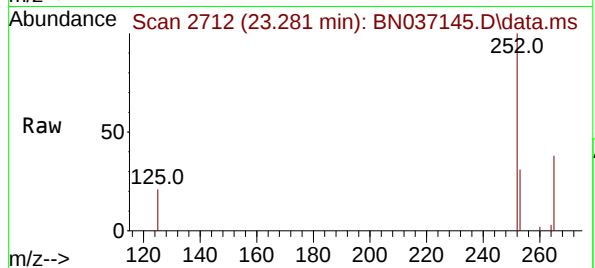
Tgt Ion:252 Resp: 4127

Ion Ratio Lower Upper

252 100

253 31.2 25.0 37.4

125 21.3 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 25.588 min Scan# 3501

Delta R.T. 0.000 min

Lab File: BN037145.D

Acq: 03 Jun 2025 12:51

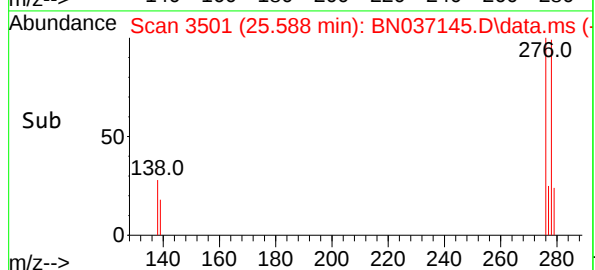
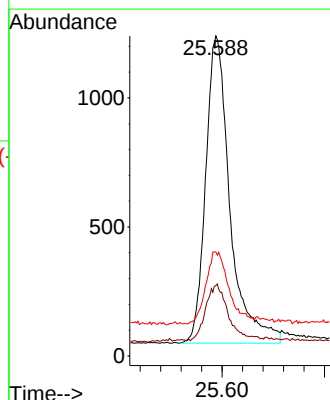
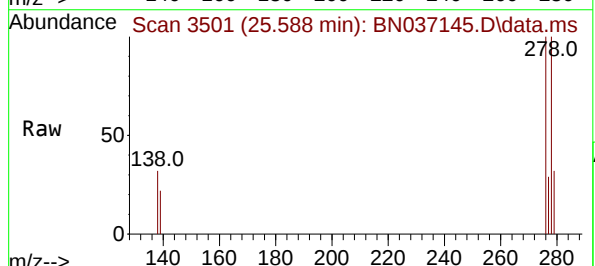
Tgt Ion:278 Resp: 3928

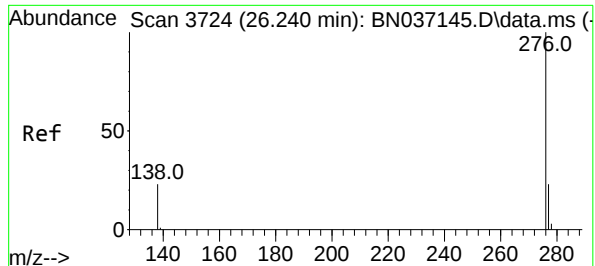
Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

279 32.5 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.383 ng

RT: 26.240 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037145.D

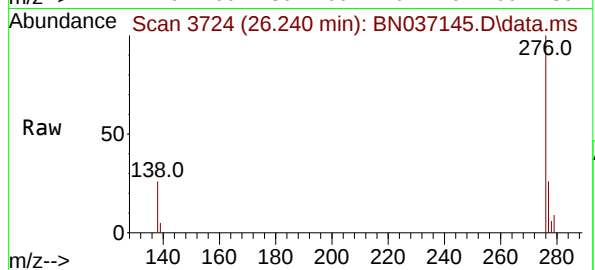
Acq: 03 Jun 2025 12:51

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



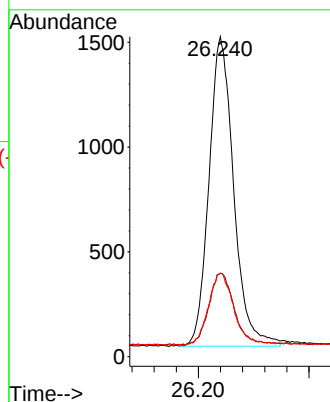
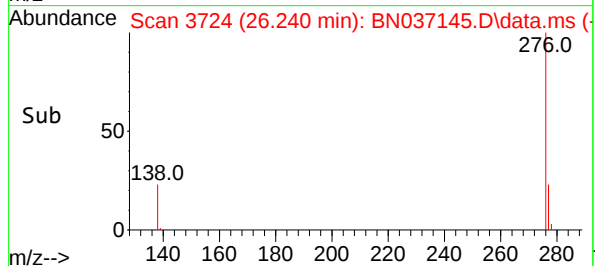
Tgt Ion:276 Resp: 4576

Ion Ratio Lower Upper

276 100

277 26.1 20.9 31.3

138 26.0 20.8 31.2



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

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

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

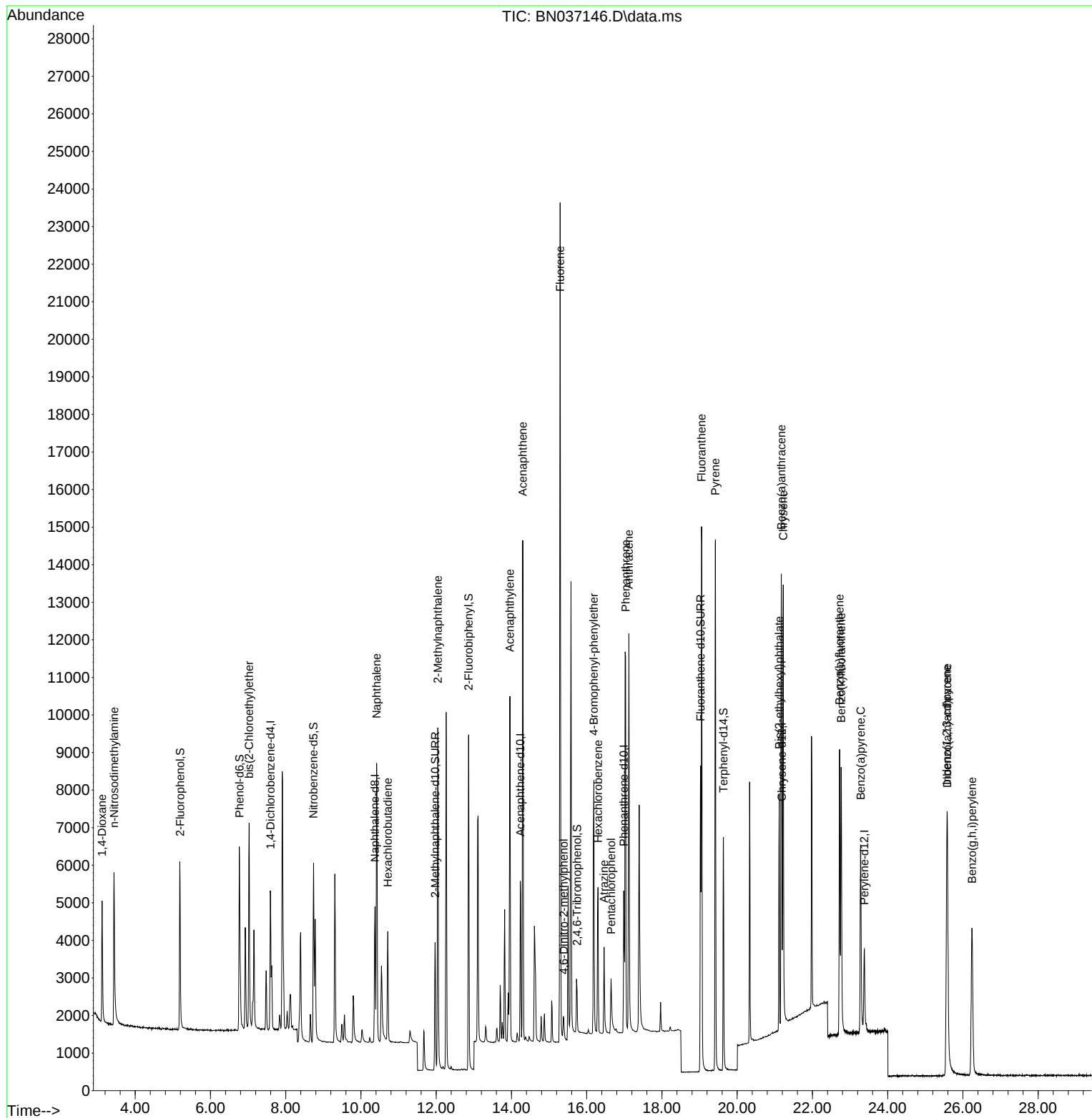
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	1776	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4485	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2508	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4816	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3381	0.400	ng	0.00
35) Perylene-d12	23.380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

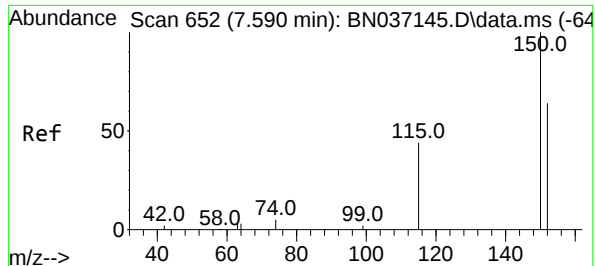
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

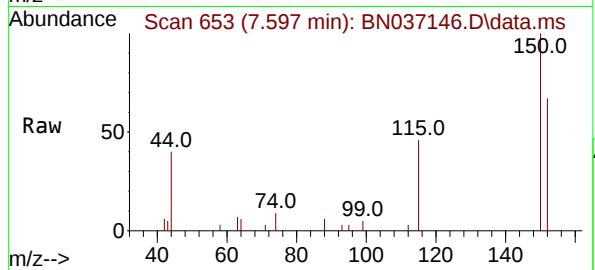
Quant Time: Jun 04 01:42:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



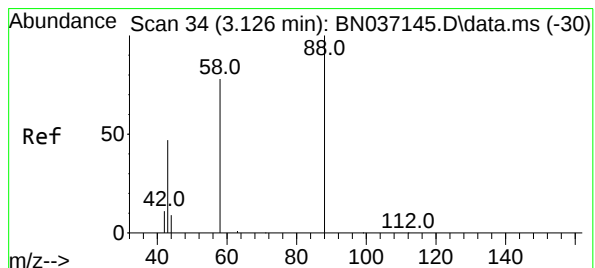
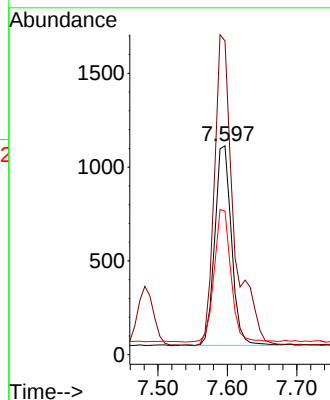
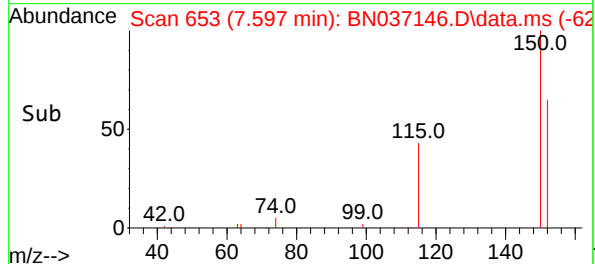


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

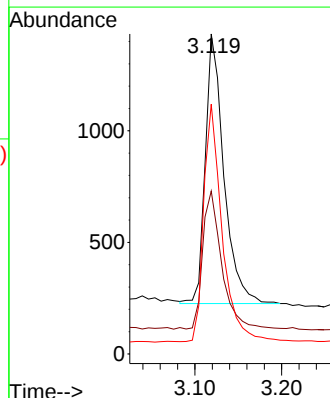
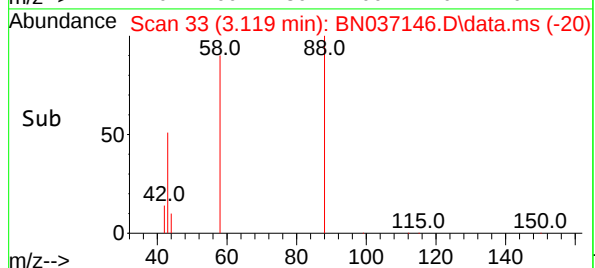
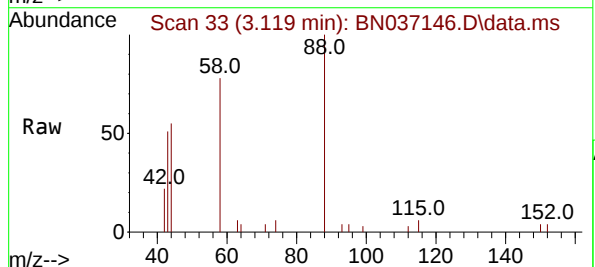


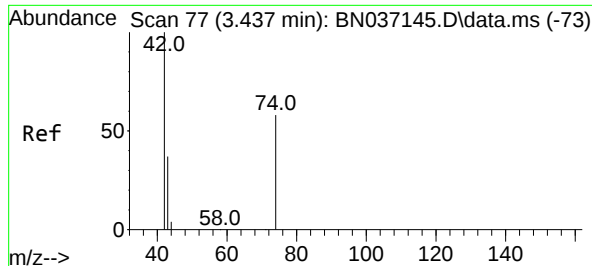
Tgt Ion:152 Resp: 1776
Ion Ratio Lower Upper
152 100
150 150.3 123.2 184.8
115 68.8 56.6 85.0



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

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

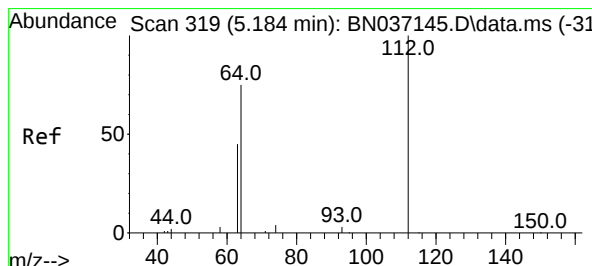
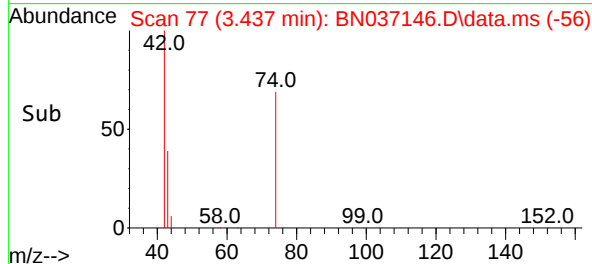
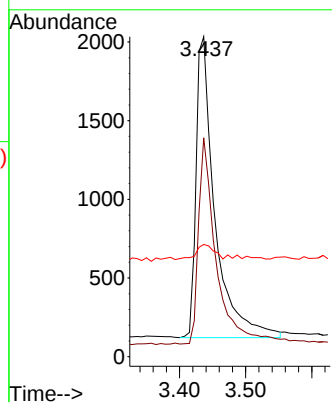
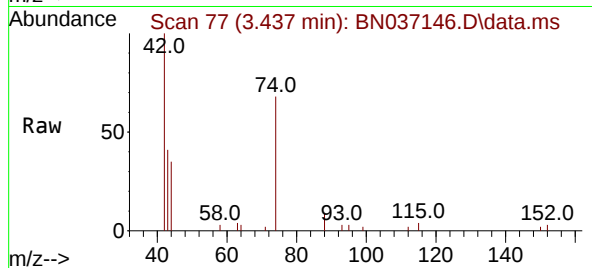




#3
n-Nitrosodimethylamine
Concen: 0.798 ng
RT: 3.437 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

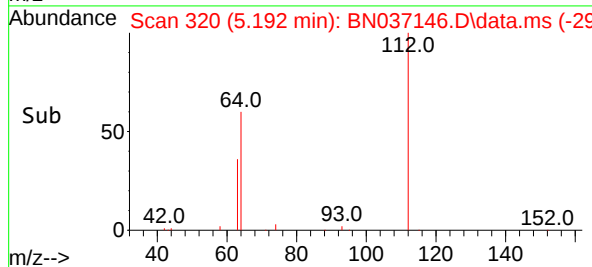
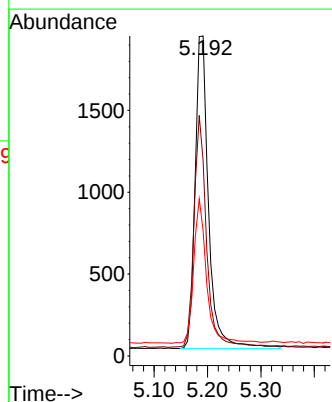
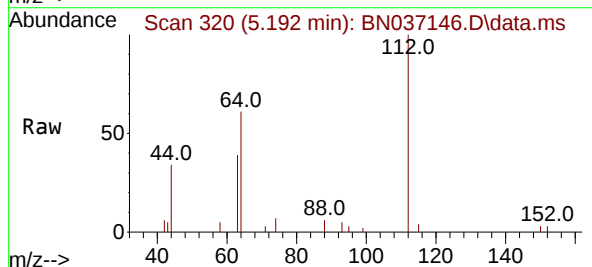
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

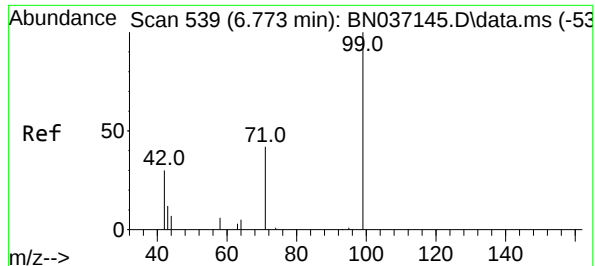
Tgt Ion: 42 Resp: 3791
Ion Ratio Lower Upper
42 100
74 64.4 53.0 79.4
44 4.8 5.9 8.9#



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

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

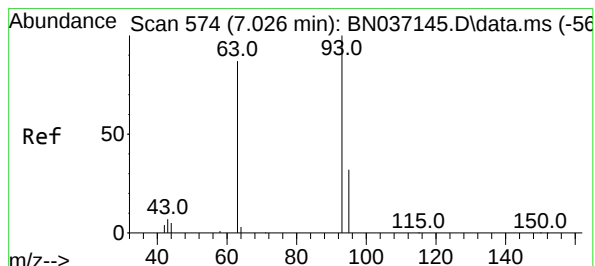
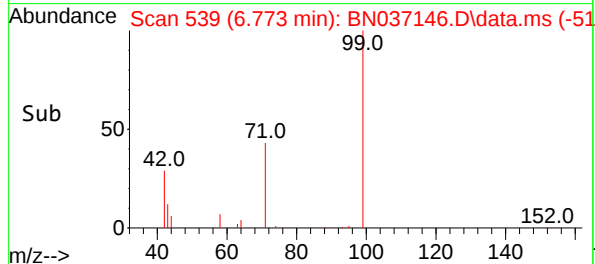
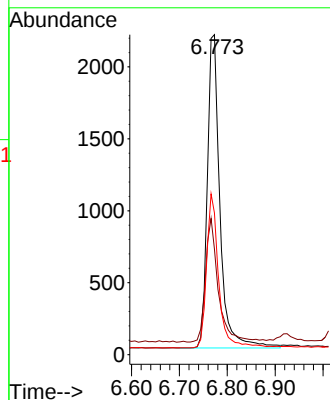
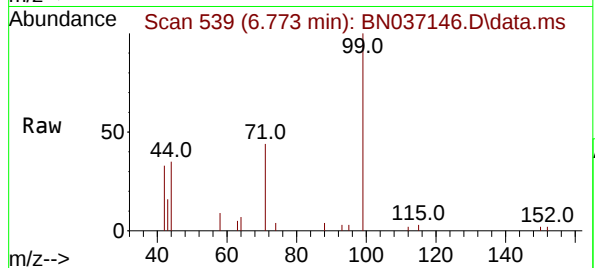




#5
Phenol-d6
Concen: 0.751 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

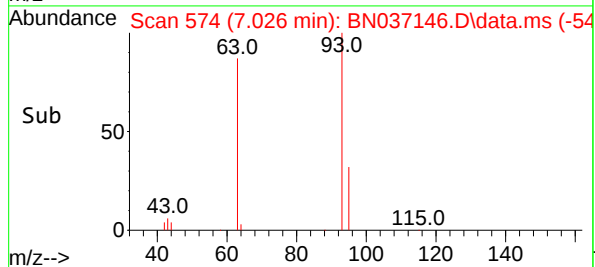
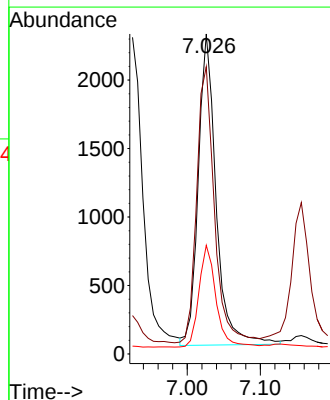
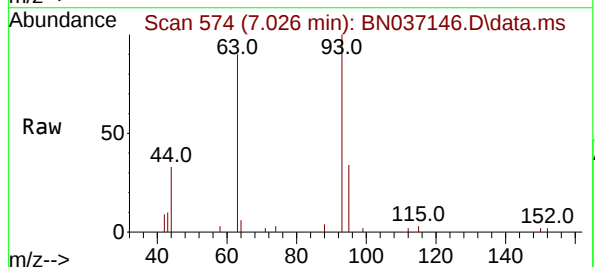
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

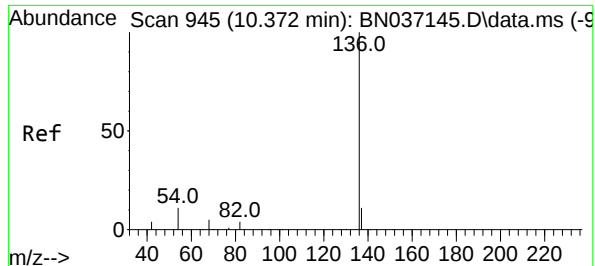
Tgt Ion: 99 Resp: 4000
Ion Ratio Lower Upper
99 100
42 40.1 31.3 46.9
71 47.5 38.2 57.2



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

Tgt Ion: 93 Resp: 3867
Ion Ratio Lower Upper
93 100
63 87.7 68.6 103.0
95 31.2 24.3 36.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.372 min Scan# 945

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

Tgt Ion:136 Resp: 4485

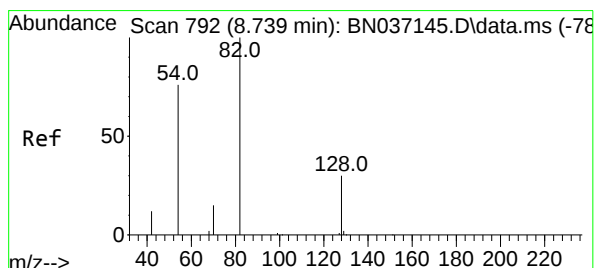
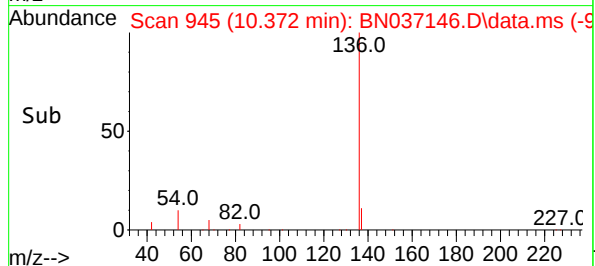
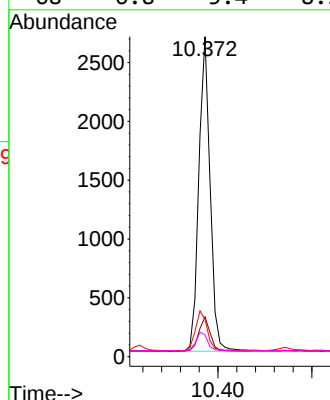
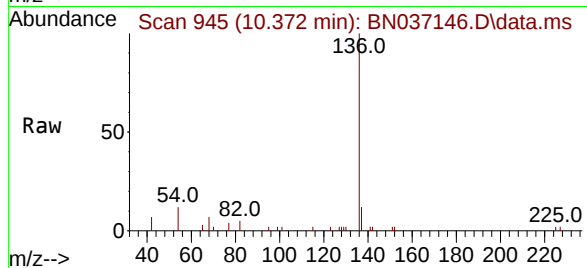
Ion Ratio Lower Upper

136 100

137 12.5 9.7 14.5

54 11.7 9.7 14.5

68 6.8 5.4 8.2



#8

Nitrobenzene-d5

Concen: 0.771 ng

RT: 8.739 min Scan# 792

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

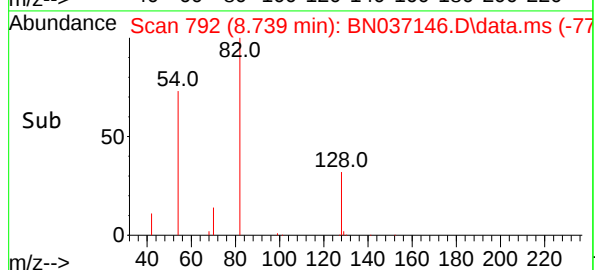
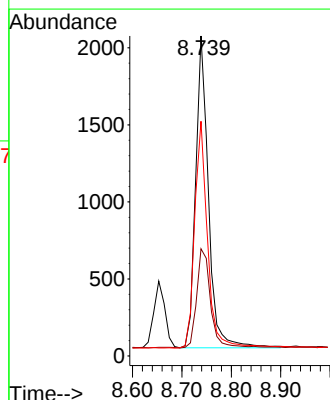
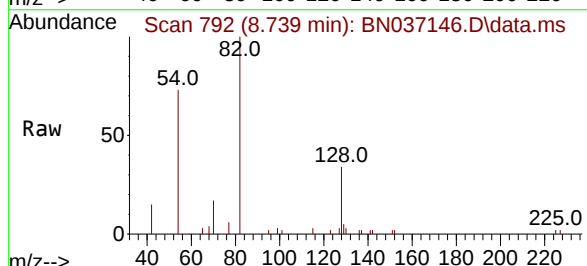
Tgt Ion: 82 Resp: 3647

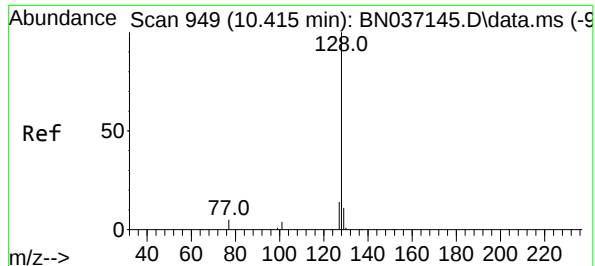
Ion Ratio Lower Upper

82 100

128 33.5 26.9 40.3

54 73.4 61.4 92.2

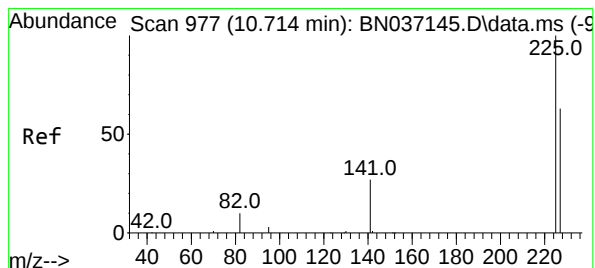
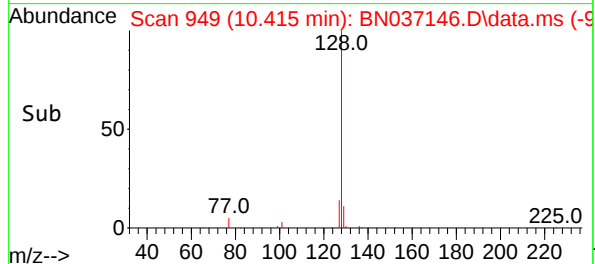
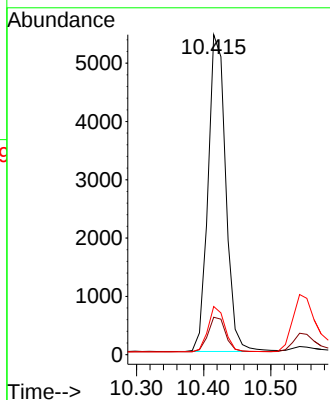
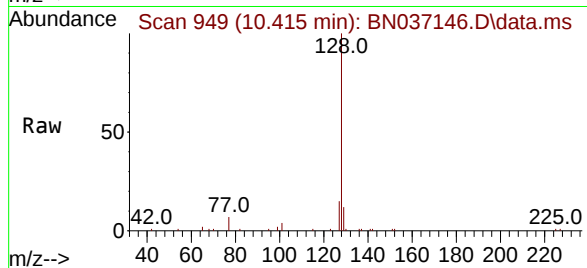




#9
Naphthalene
Concen: 0.770 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

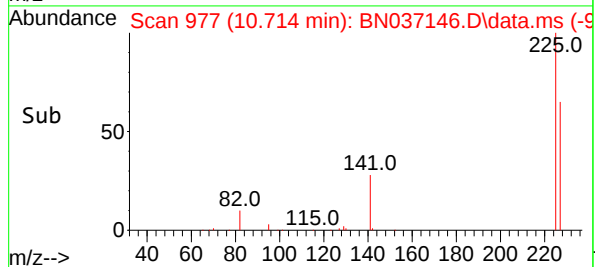
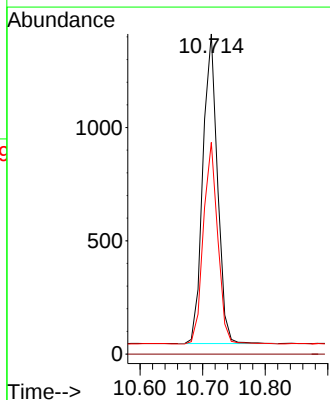
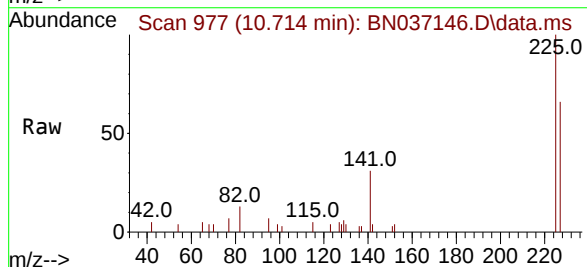
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

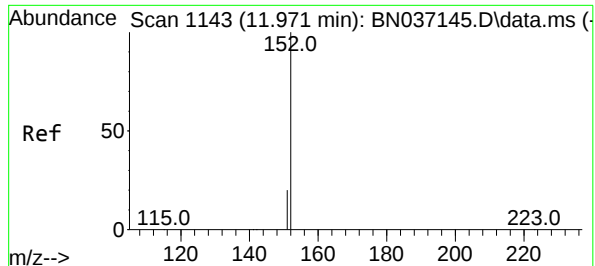
Tgt Ion	128	Resp:	9964
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.8	14.8
127	15.1	12.3	18.5



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

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

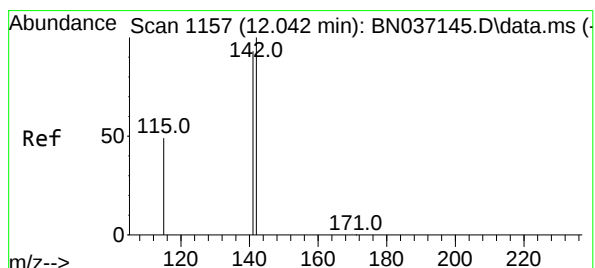
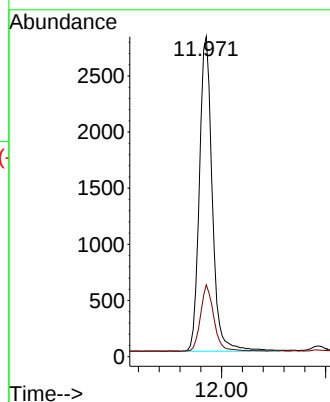
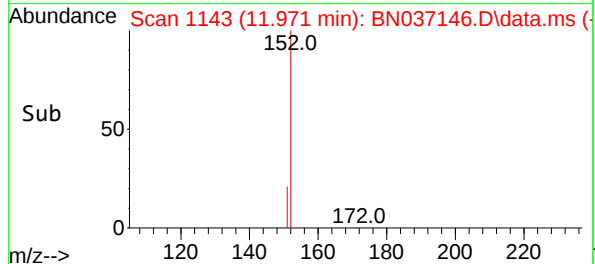
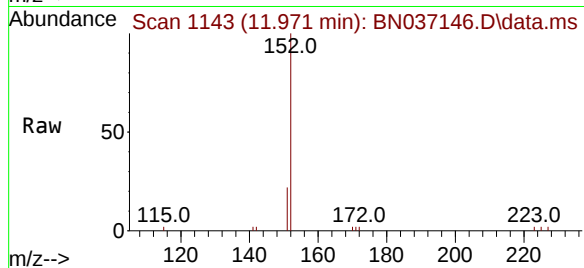




#11
2-Methylnaphthalene-d10
Concen: 0.770 ng
RT: 11.971 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

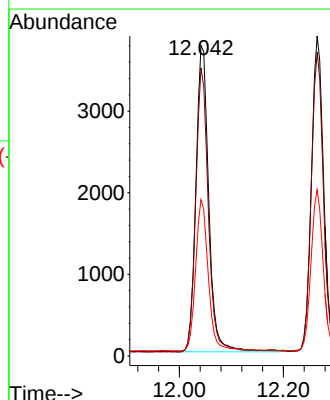
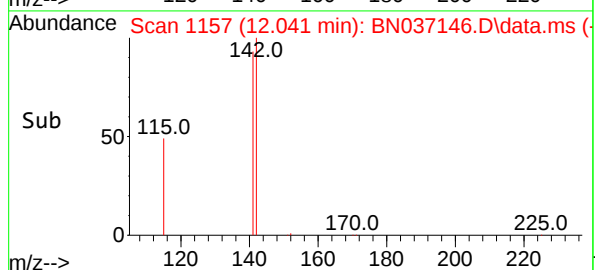
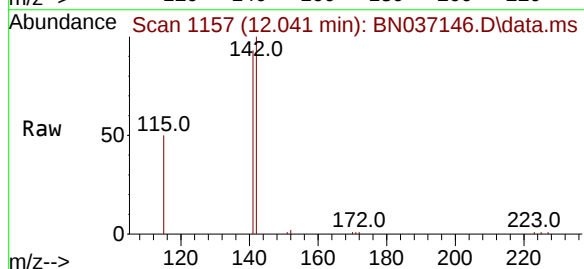
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

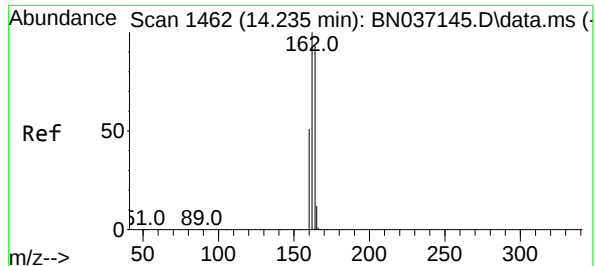
Tgt Ion:152 Resp: 4809
Ion Ratio Lower Upper
152 100
151 21.8 17.1 25.7



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

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

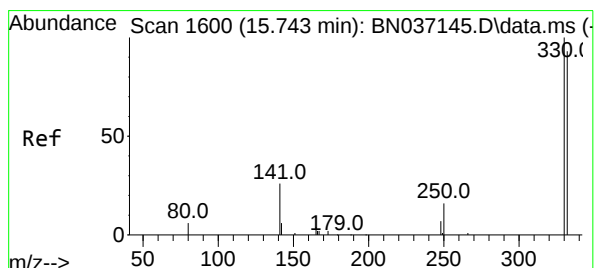
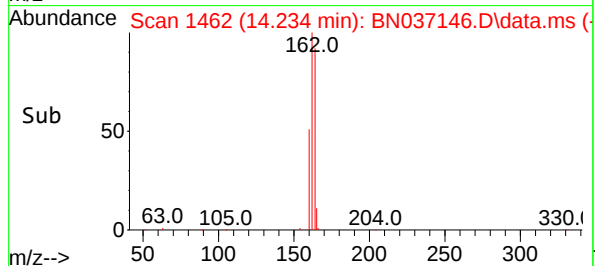
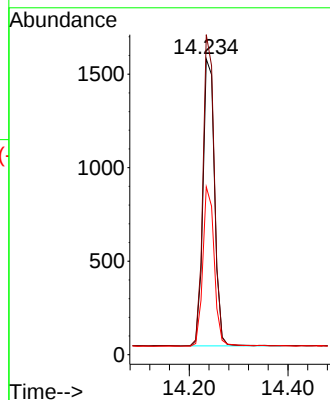
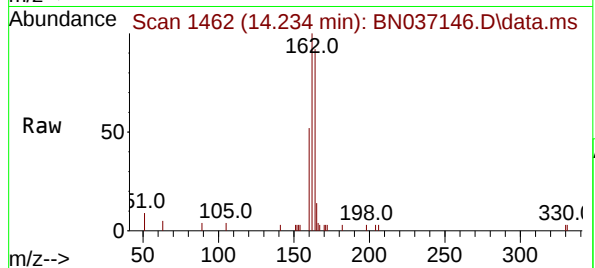




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

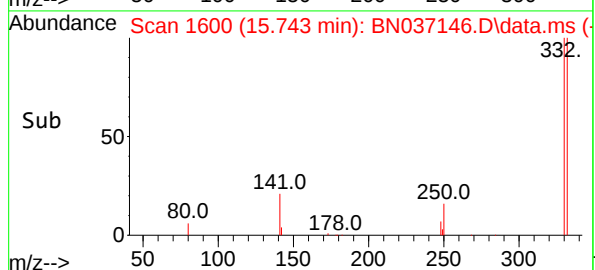
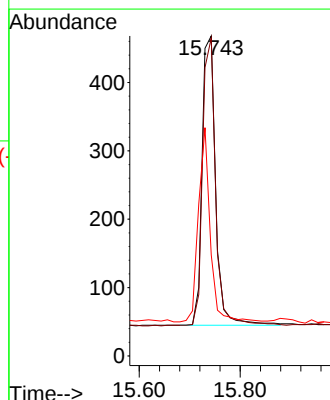
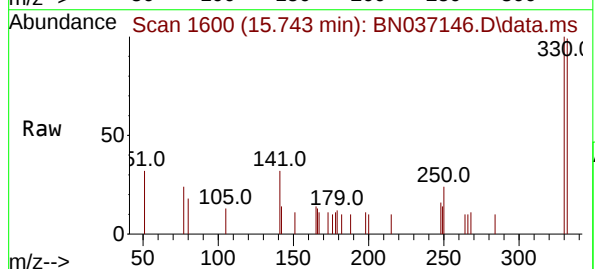
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

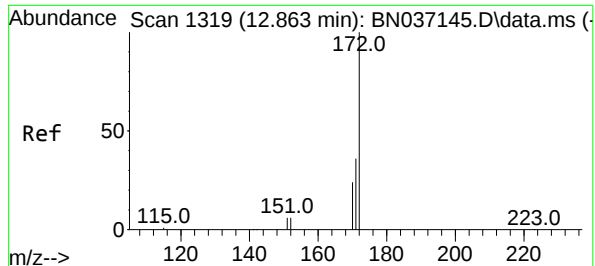
Tgt Ion:164 Resp: 2508
Ion Ratio Lower Upper
164 100
162 108.2 85.5 128.3
160 56.8 44.6 67.0



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

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

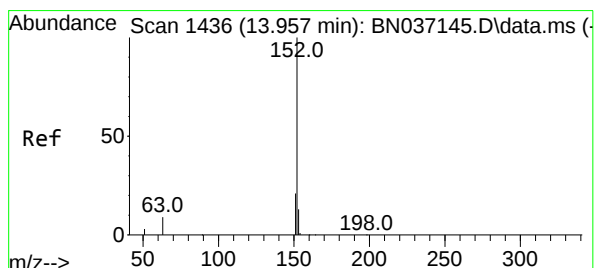
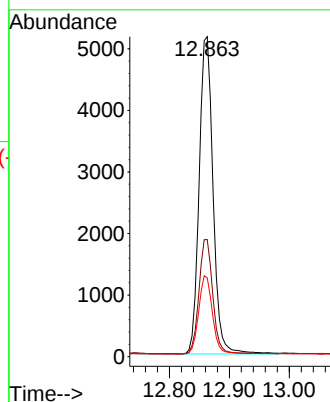
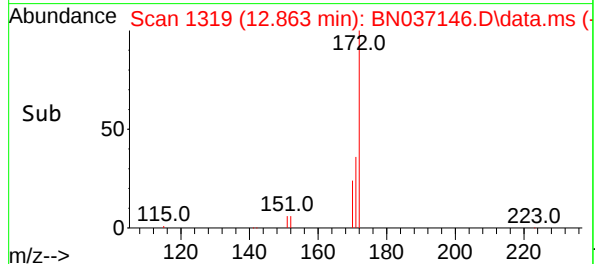
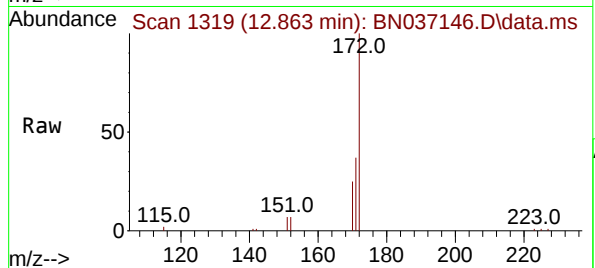




#15
2-Fluorobiphenyl
Concen: 0.776 ng
RT: 12.863 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

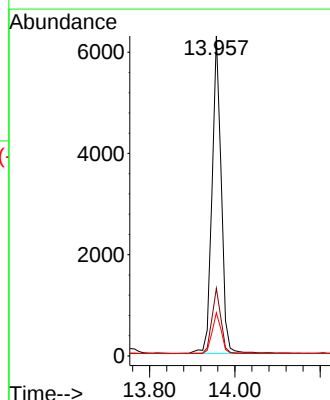
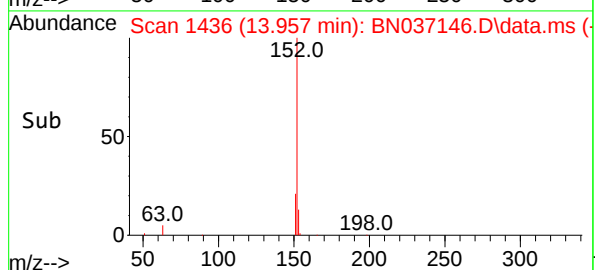
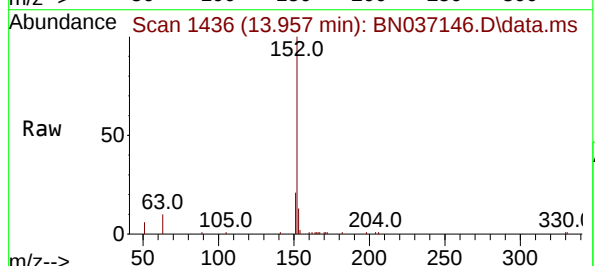
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

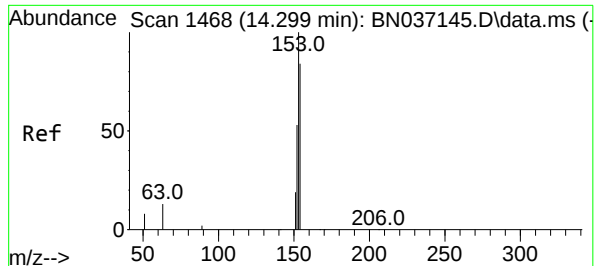
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.7	20.3	30.5



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

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

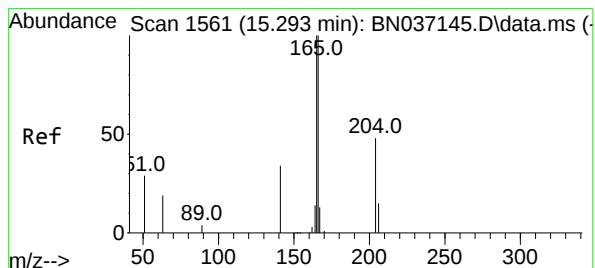
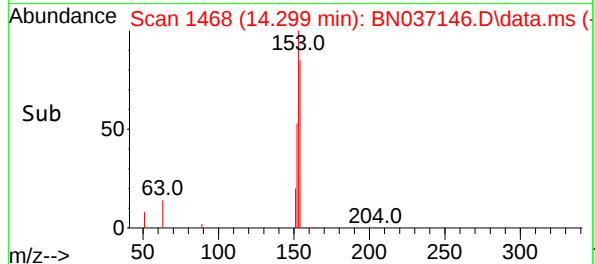
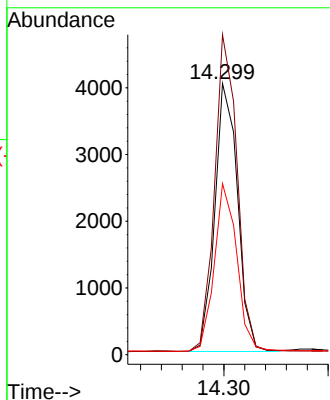
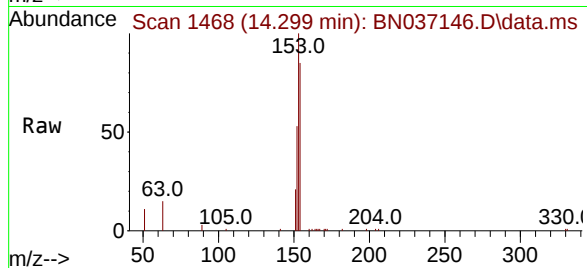




#17
Acenaphthene
Concen: 0.762 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

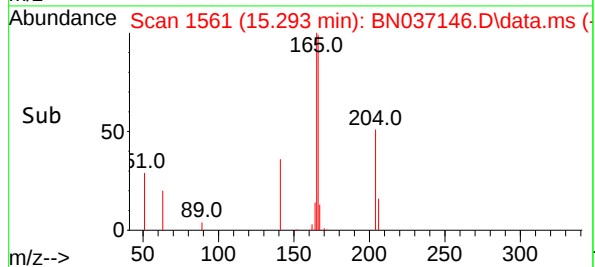
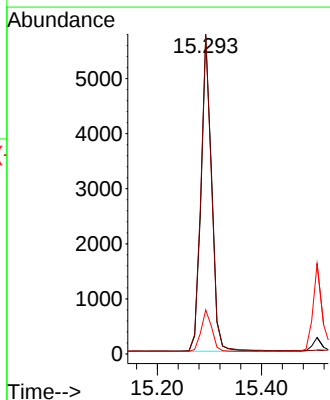
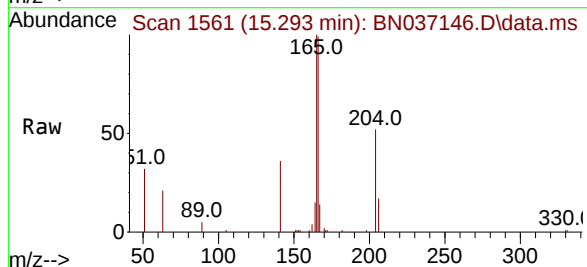
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

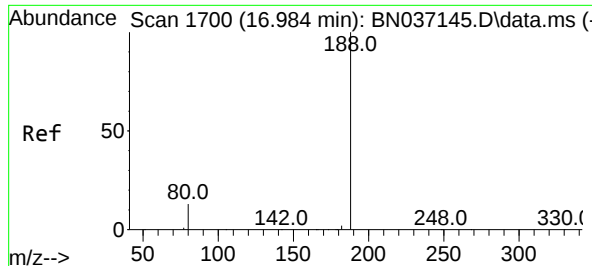
Tgt Ion:154 Resp: 6080
Ion Ratio Lower Upper
154 100
153 117.4 93.8 140.8
152 62.7 50.5 75.7



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1700

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

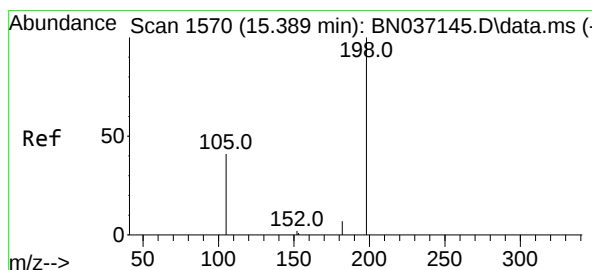
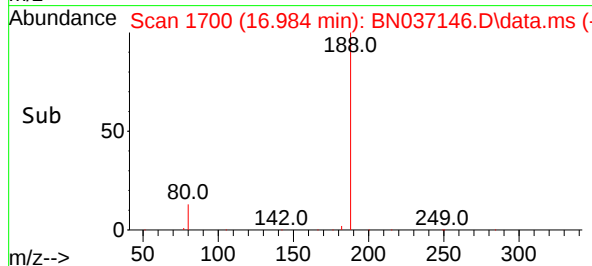
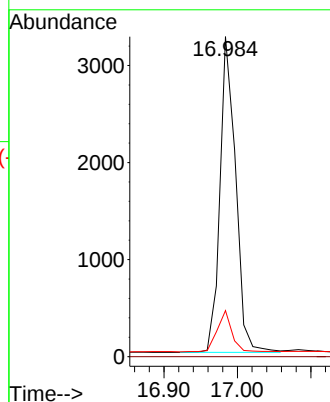
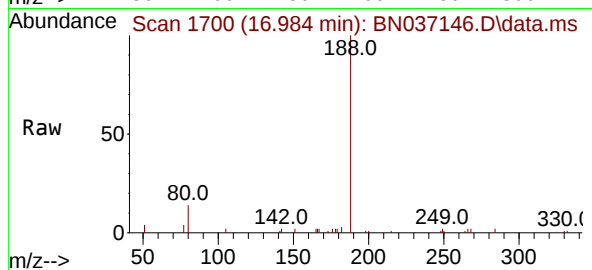
Tgt Ion:188 Resp: 4816

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.730 ng

RT: 15.389 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

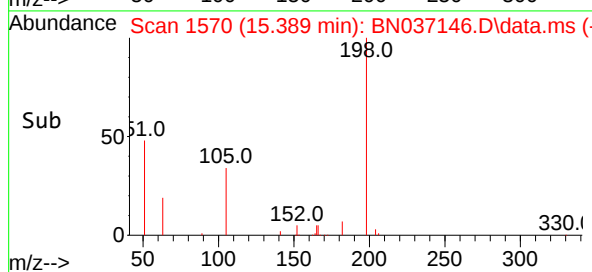
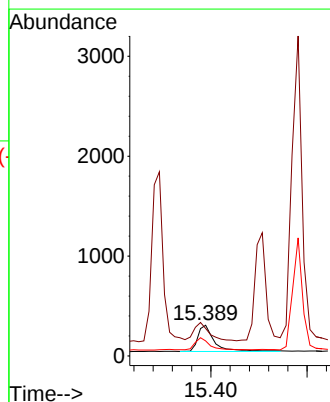
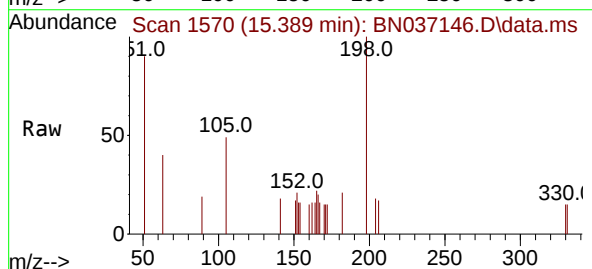
Tgt Ion:198 Resp: 643

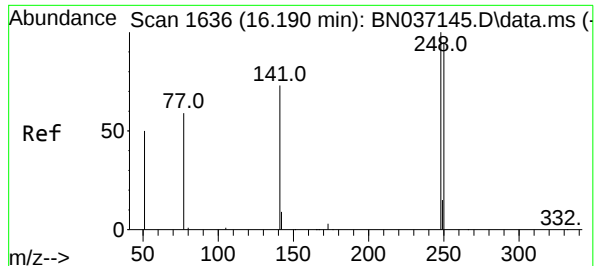
Ion Ratio Lower Upper

198 100

51 89.6 125.2 187.8#

105 49.2 57.1 85.7#

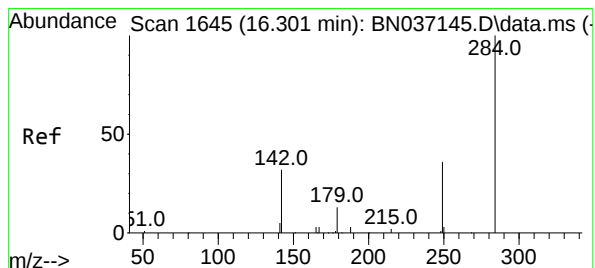
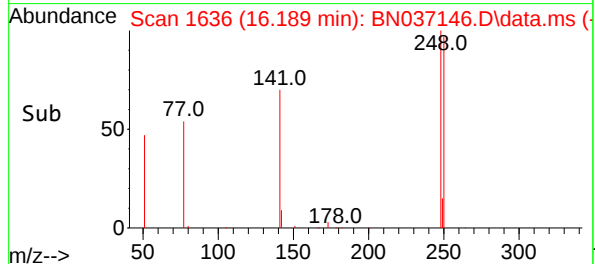
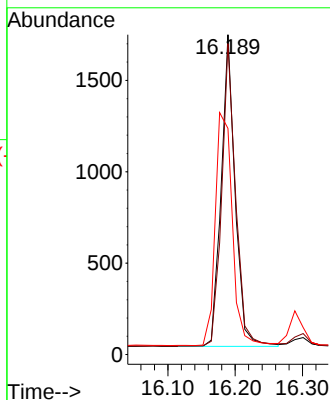
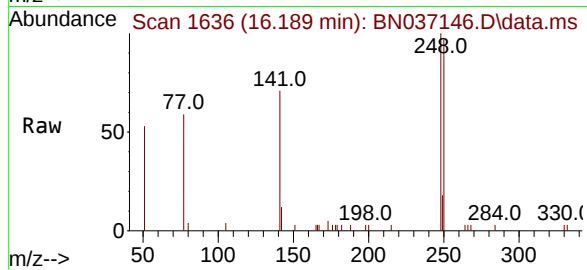




#21
4-Bromophenyl-phenylether
Concen: 0.775 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

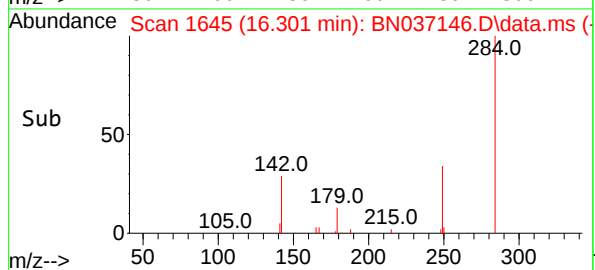
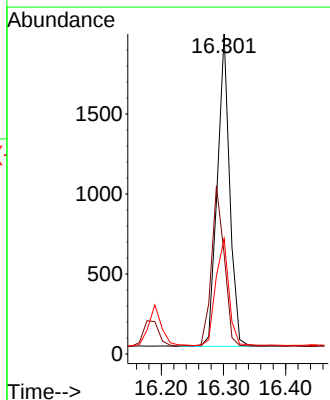
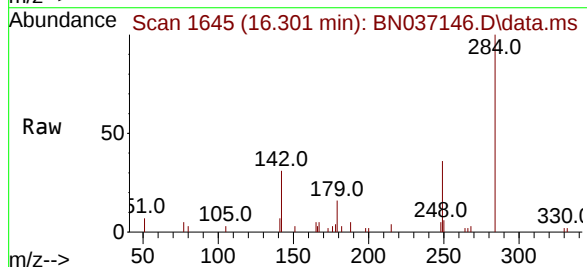
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

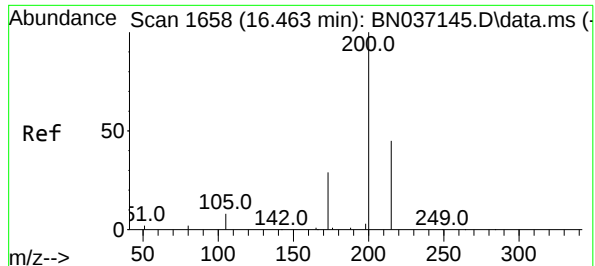
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.1	114.1
141	70.7	60.1	90.1



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

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

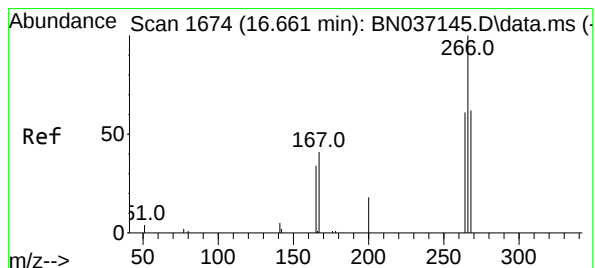
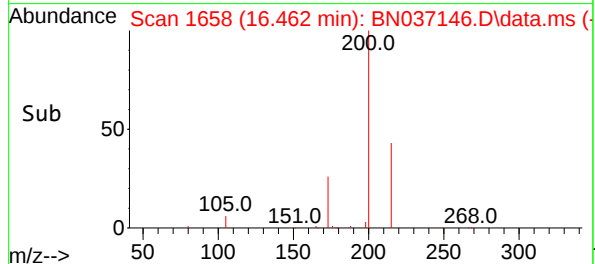
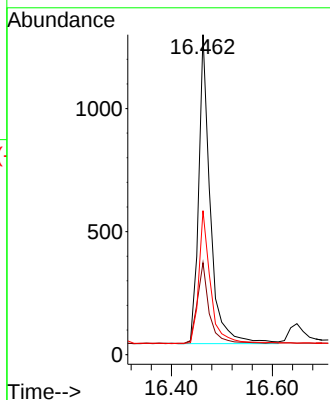
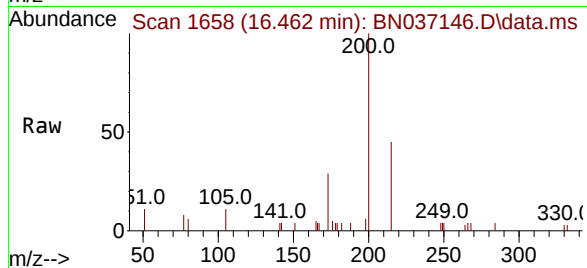




#23
Atrazine
Concen: 0.772 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

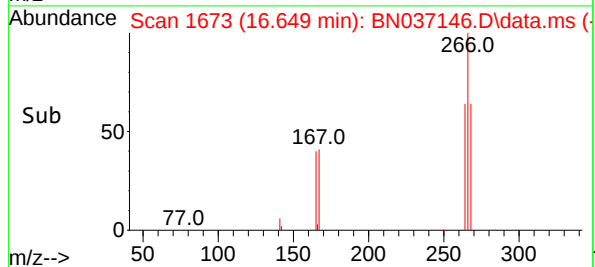
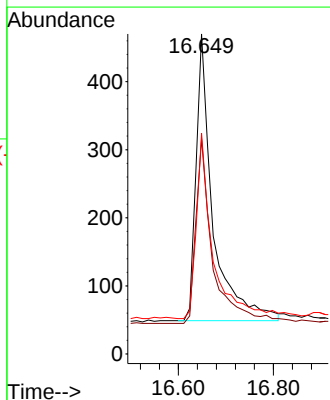
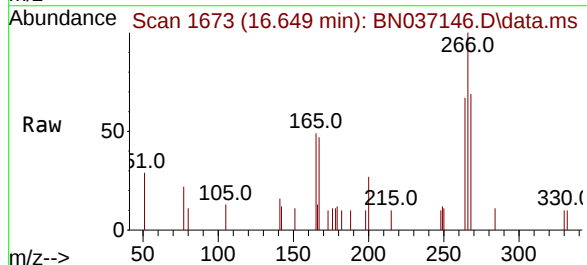
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

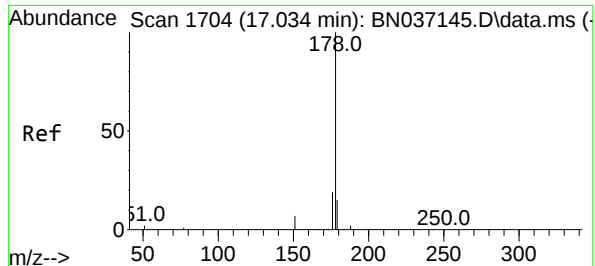
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.8	28.1	42.1
215	45.0	39.3	58.9



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

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

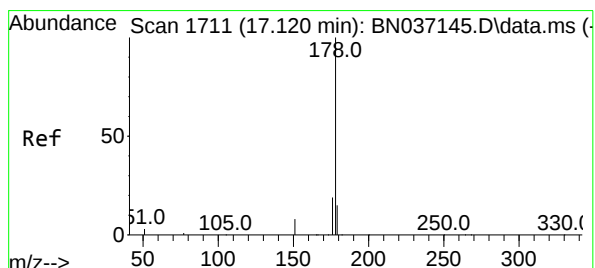
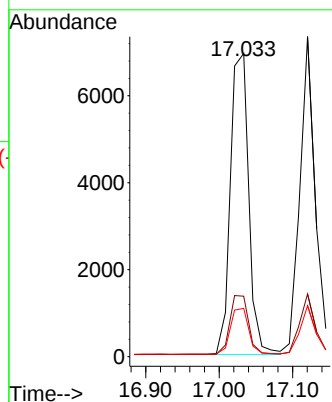
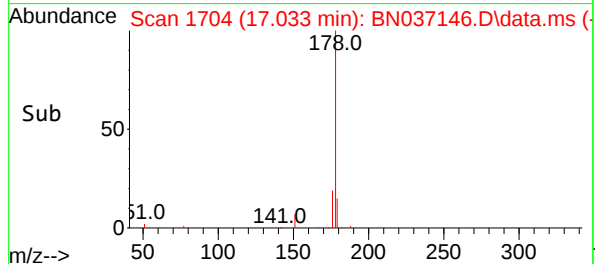
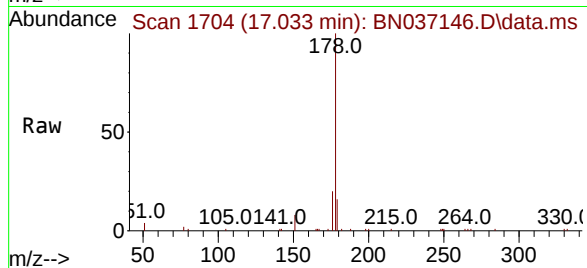




#25
Phenanthrene
Concen: 0.770 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

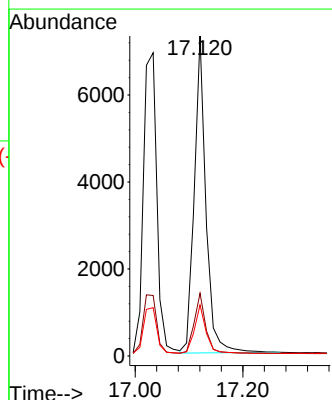
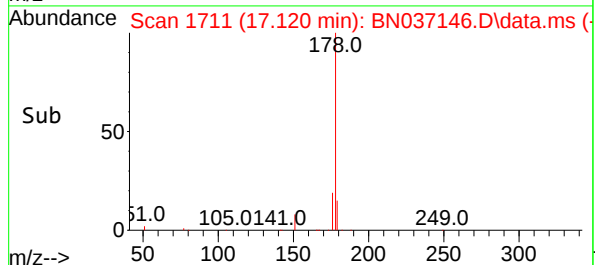
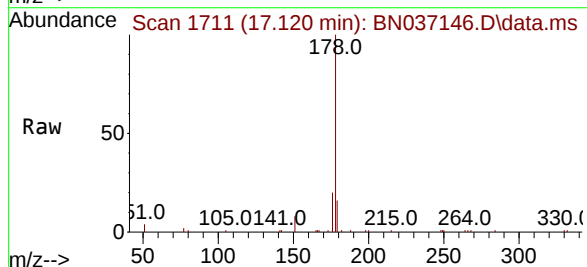
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

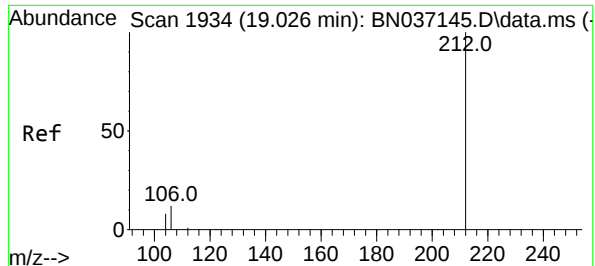
Tgt Ion:178 Resp: 12021
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.4 12.3 18.5



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

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





#27

Fluoranthene-d10

Concen: 0.753 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

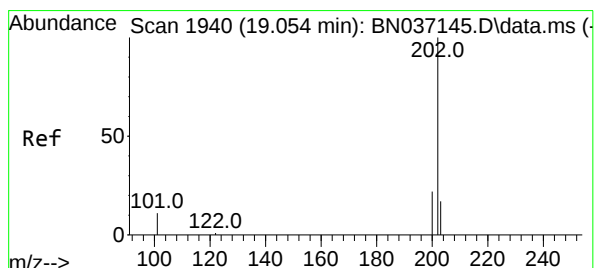
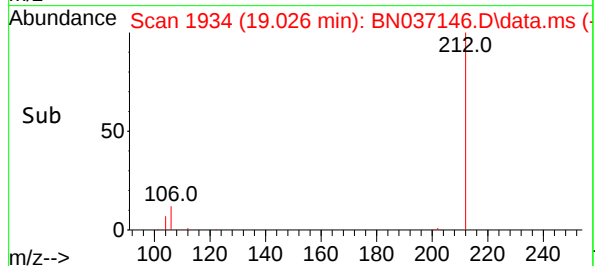
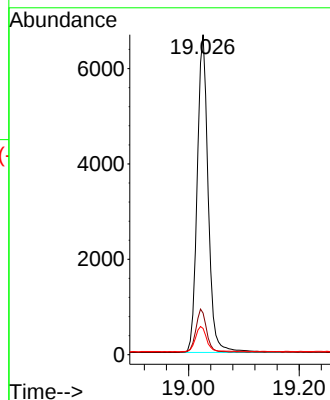
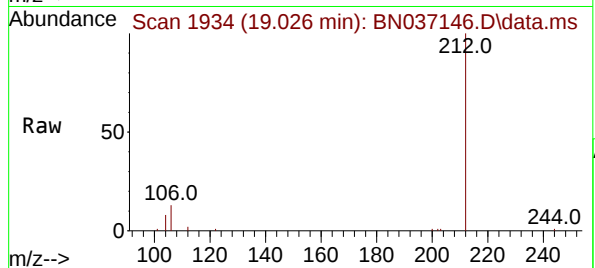
Tgt Ion:212 Resp: 9209

Ion Ratio Lower Upper

212 100

106 13.3 10.6 15.8

104 8.1 6.6 9.8



#28

Fluoranthene

Concen: 0.763 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

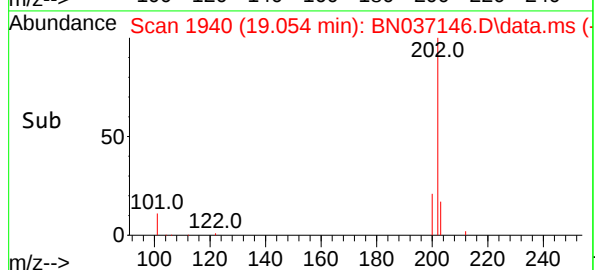
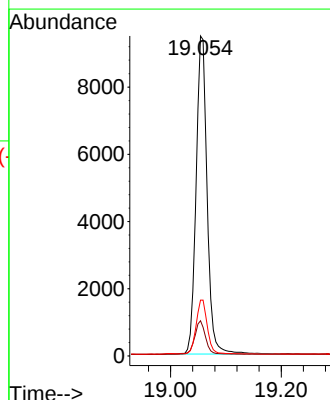
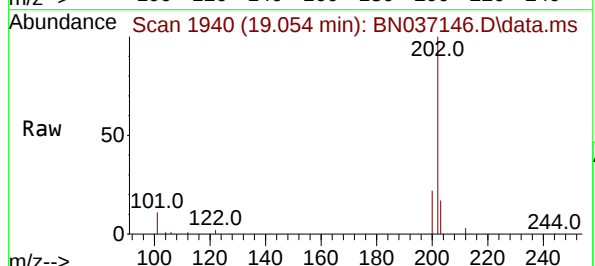
Tgt Ion:202 Resp: 13144

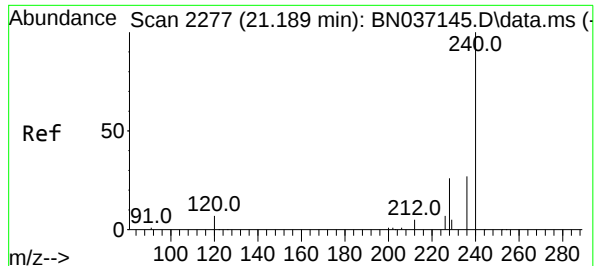
Ion Ratio Lower Upper

202 100

101 10.6 8.7 13.1

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

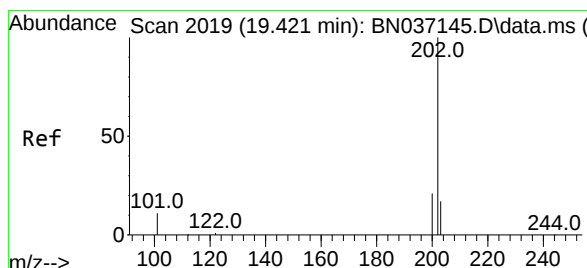
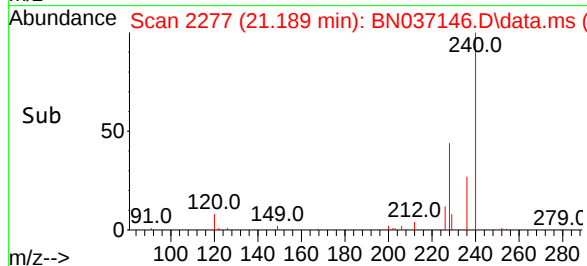
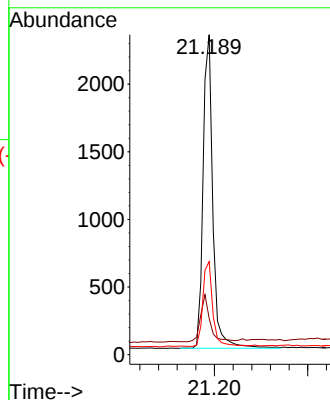
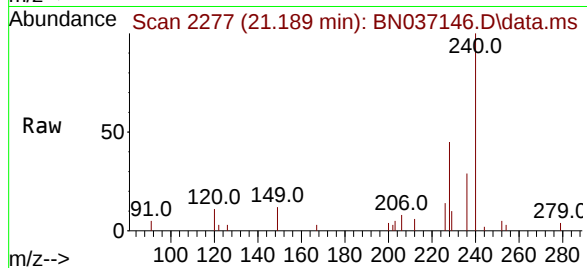
Tgt Ion:240 Resp: 3381

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.4

236 29.1 23.0 34.4



#30

Pyrene

Concen: 0.790 ng

RT: 19.421 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

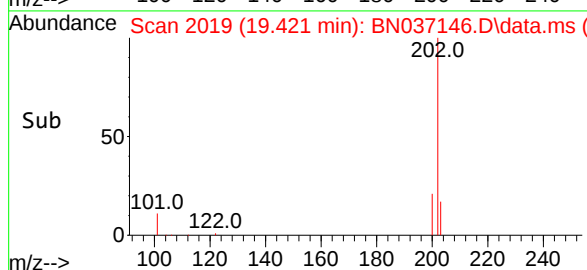
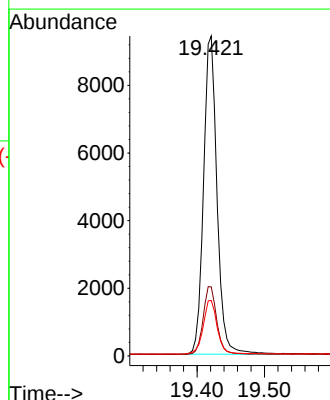
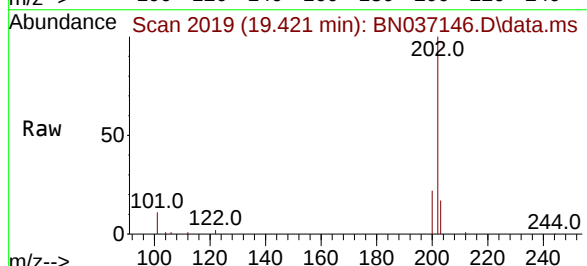
Tgt Ion:202 Resp: 13035

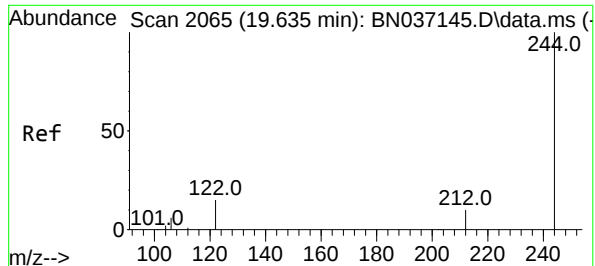
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.6 14.2 21.4

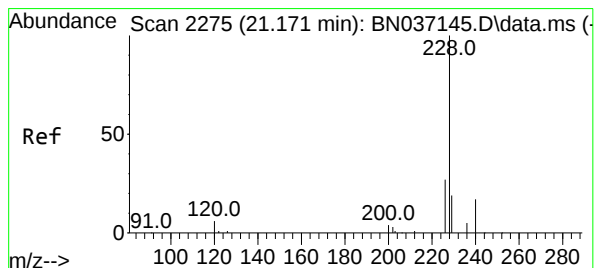
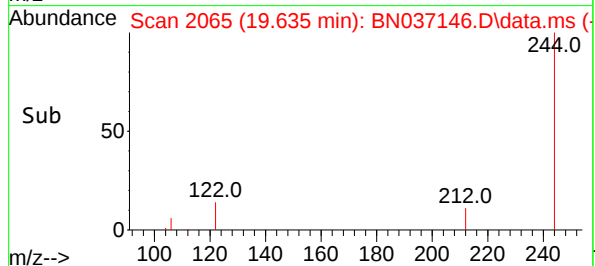
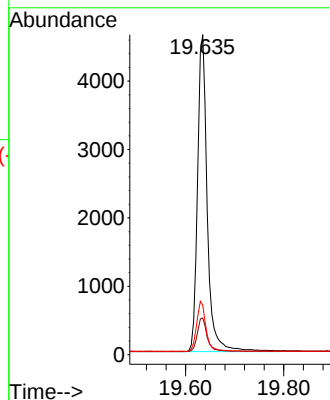
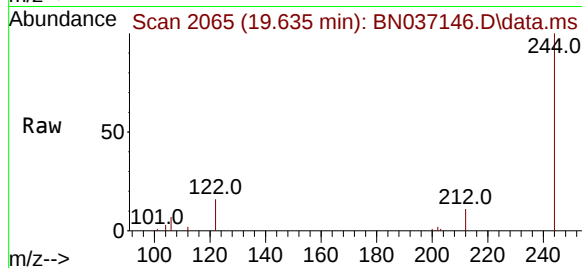




#31
Terphenyl-d14
Concen: 0.800 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

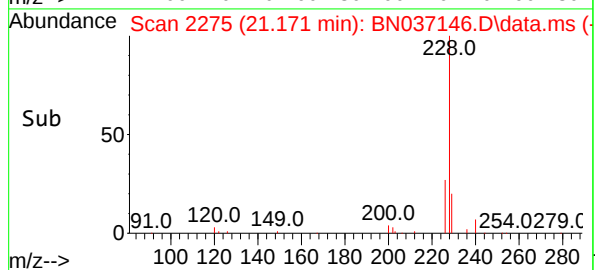
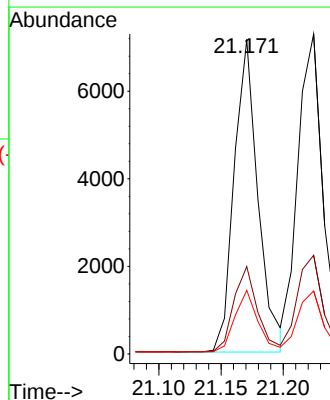
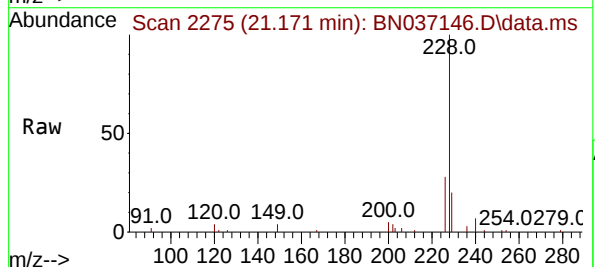
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

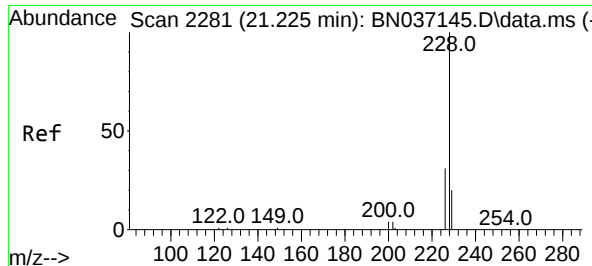
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.5	10.0	15.0
122	15.5	13.2	19.8



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

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





#33

Chrysene

Concen: 0.785 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

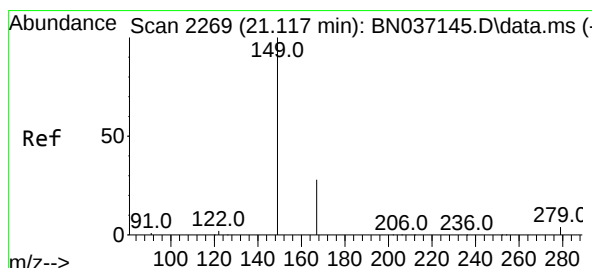
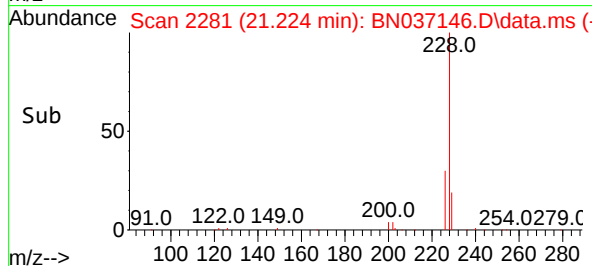
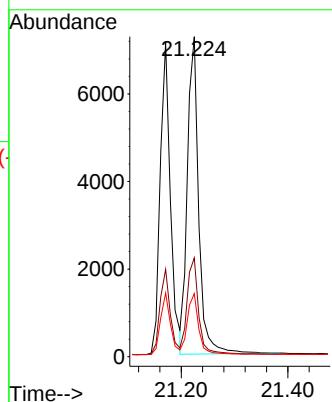
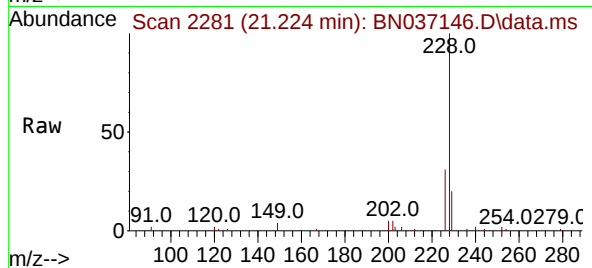
Tgt Ion:228 Resp: 10700

Ion Ratio Lower Upper

228 100

226 30.9 25.2 37.8

229 19.7 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.751 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

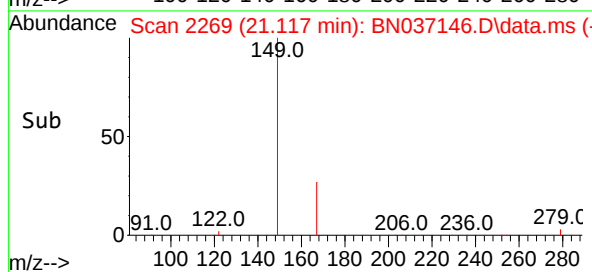
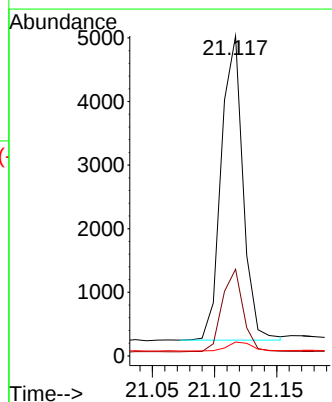
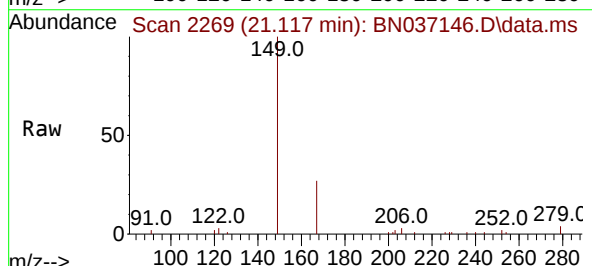
Tgt Ion:149 Resp: 5801

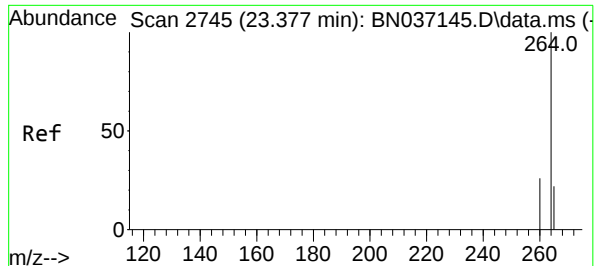
Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

279 3.3 2.9 4.3

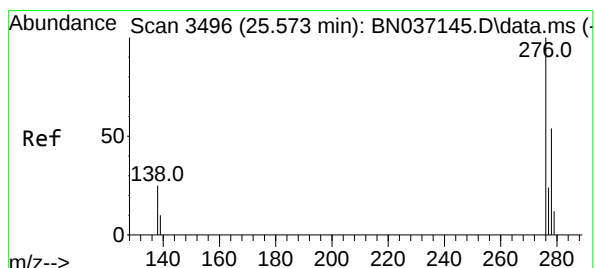
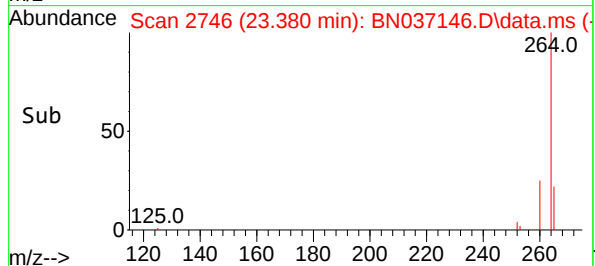
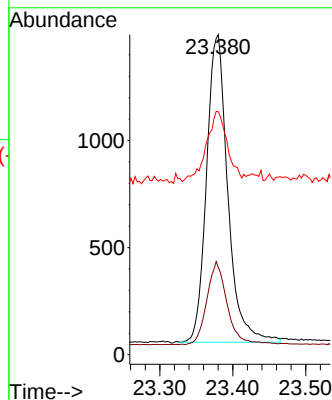
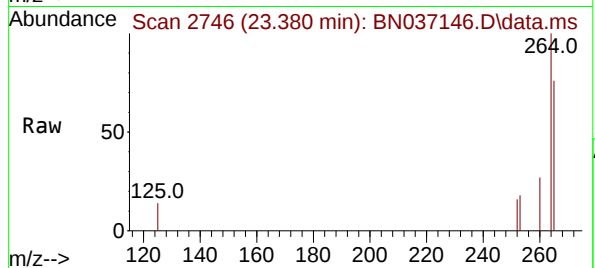




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN037146.D
Acq: 03 Jun 2025 13:26

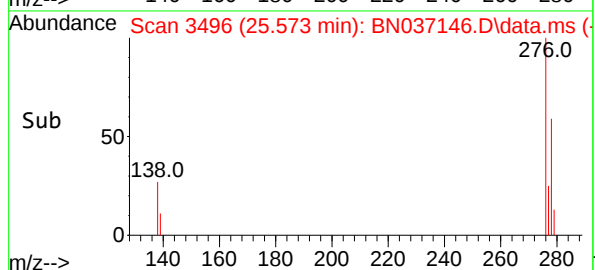
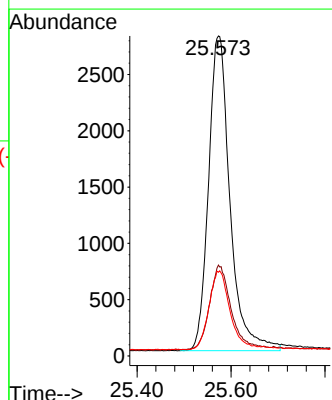
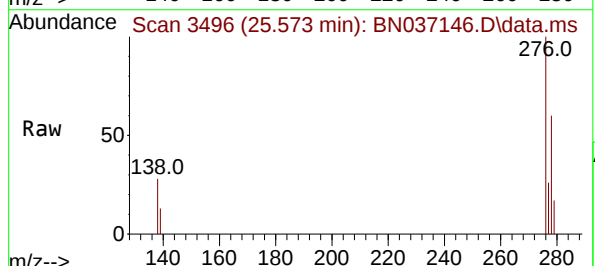
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

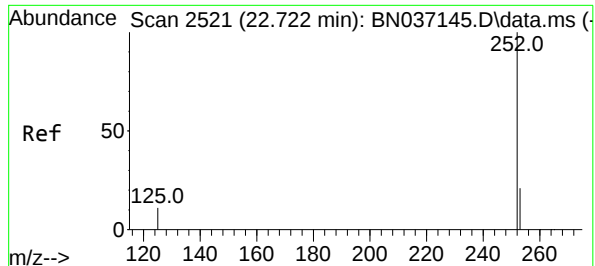
Tgt Ion:264 Resp: 2909
Ion Ratio Lower Upper
264 100
260 27.3 22.1 33.1
265 76.0 55.8 83.8



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

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





#37

Benzo(b)fluoranthene

Concen: 0.780 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

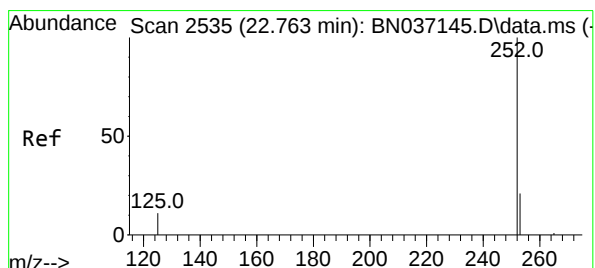
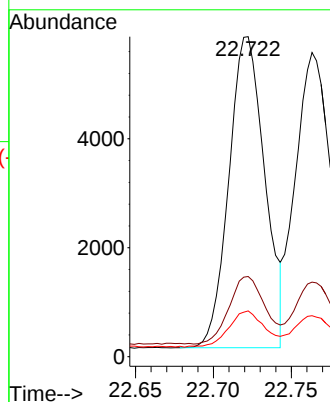
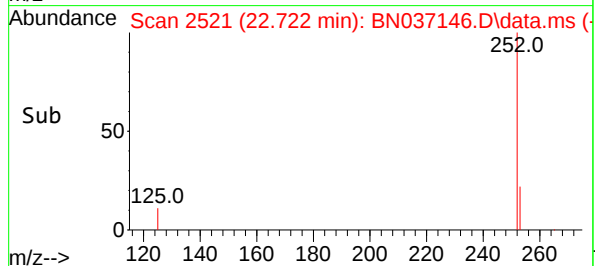
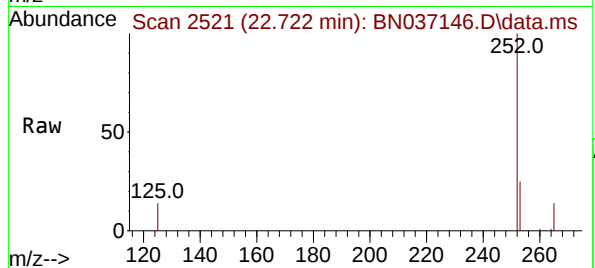
Tgt Ion:252 Resp: 9165

Ion Ratio Lower Upper

252 100

253 25.0 22.3 33.5

125 14.3 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.782 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

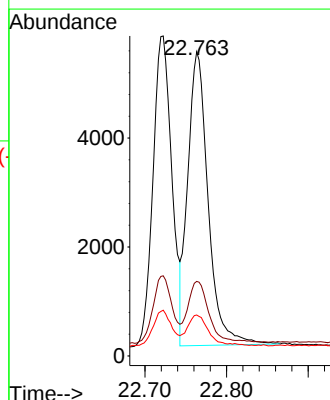
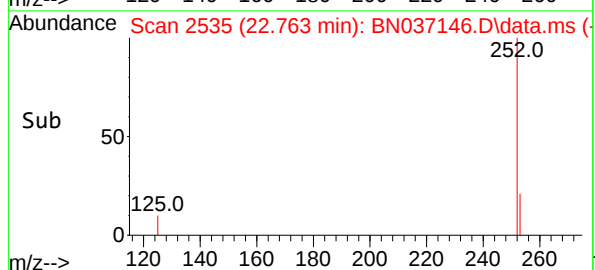
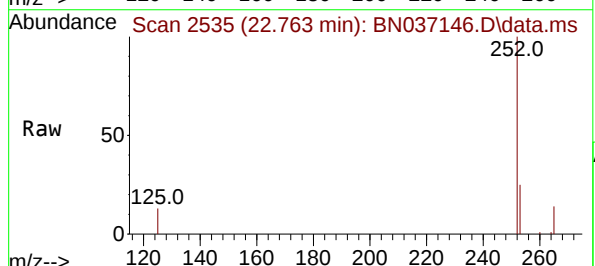
Tgt Ion:252 Resp: 9379

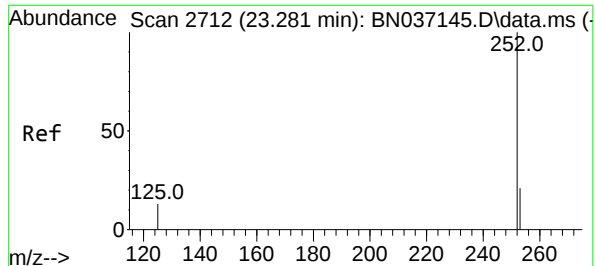
Ion Ratio Lower Upper

252 100

253 24.5 22.2 33.4

125 13.5 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.765 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

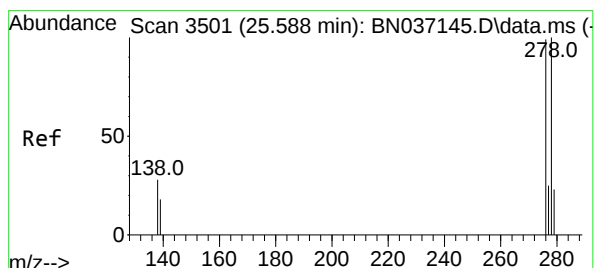
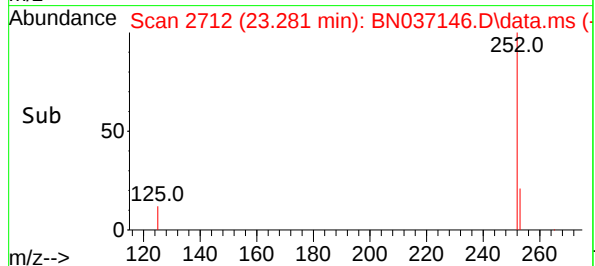
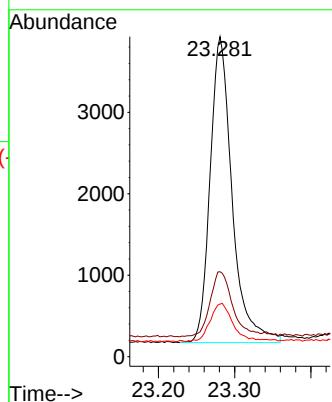
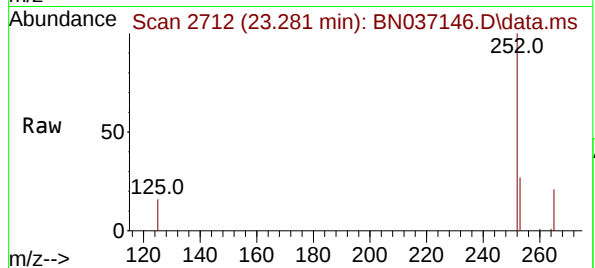
Tgt Ion:252 Resp: 7528

Ion Ratio Lower Upper

252 100

253 26.6 25.0 37.4

125 16.4 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.780 ng

RT: 25.588 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037146.D

Acq: 03 Jun 2025 13:26

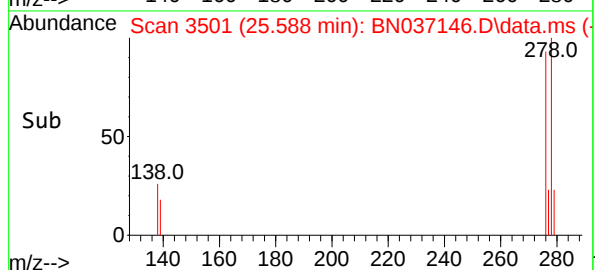
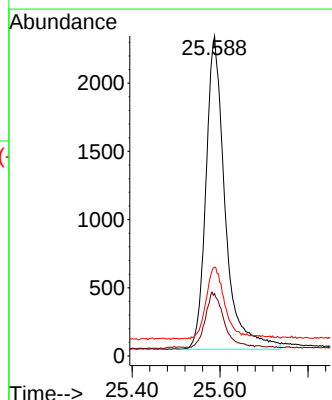
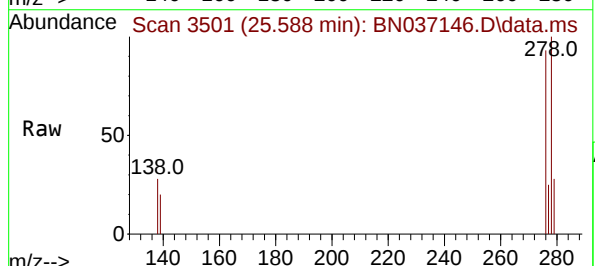
Tgt Ion:278 Resp: 6960

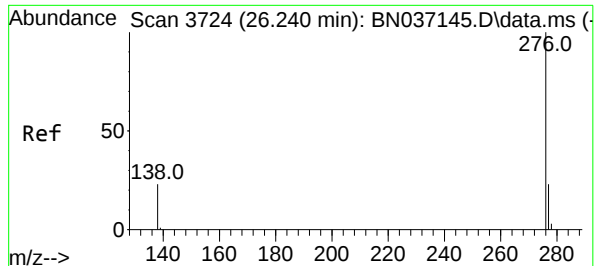
Ion Ratio Lower Upper

278 100

139 19.5 17.6 26.4

279 27.7 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.778 ng

RT: 26.240 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037146.D

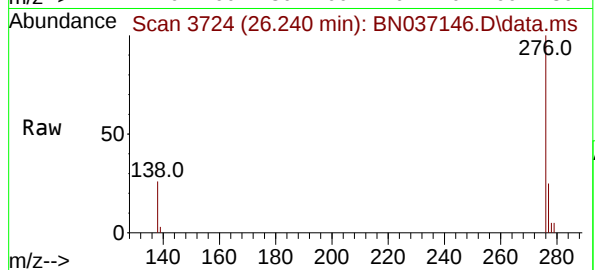
Acq: 03 Jun 2025 13:26

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



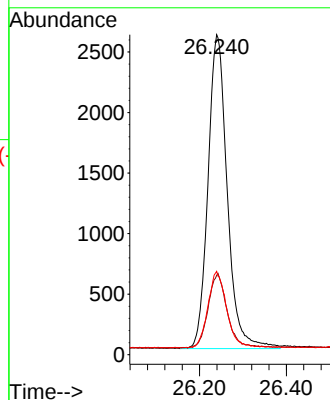
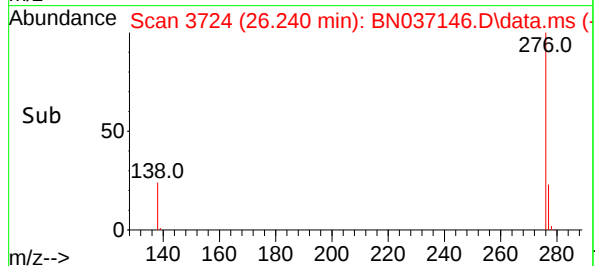
Tgt Ion:276 Resp: 7980

Ion Ratio Lower Upper

276 100

277 24.8 20.9 31.3

138 26.1 20.8 31.2



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

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

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

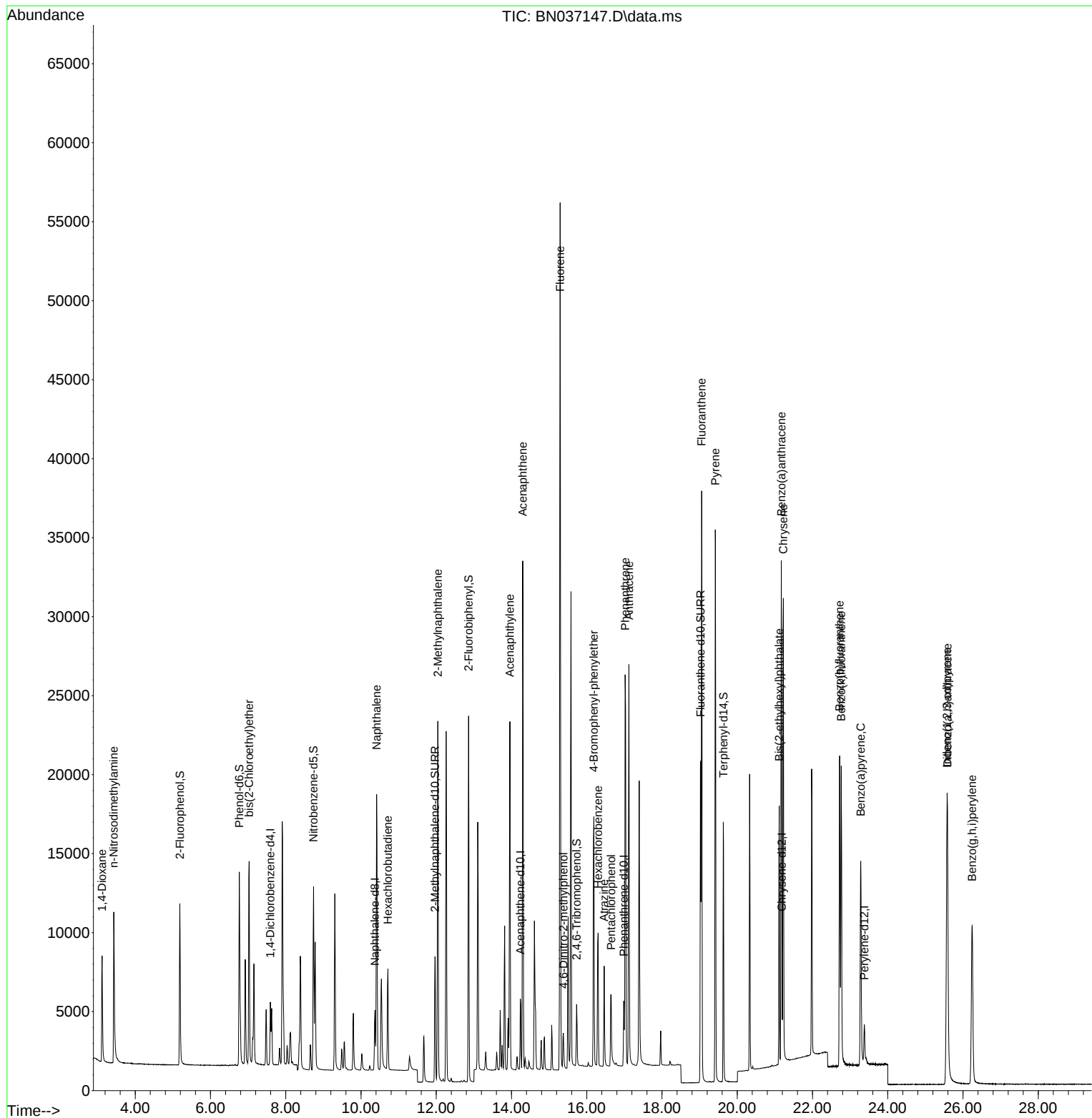
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1779	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4585	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2603	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5057	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3873	0.400	ng	0.00
35) Perylene-d12	23.377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

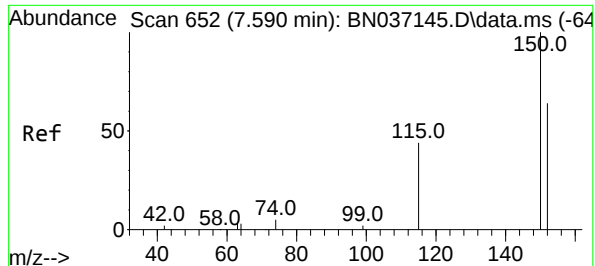
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037147.D
Acq On : 03 Jun 2025 14:02
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

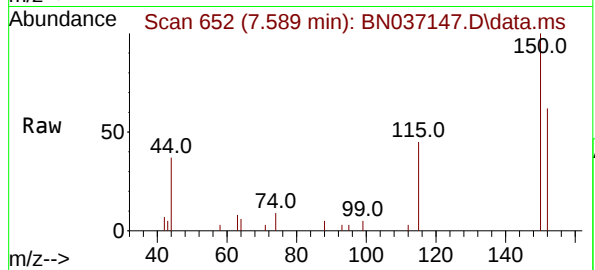
Quant Time: Jun 04 01:42:52 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration



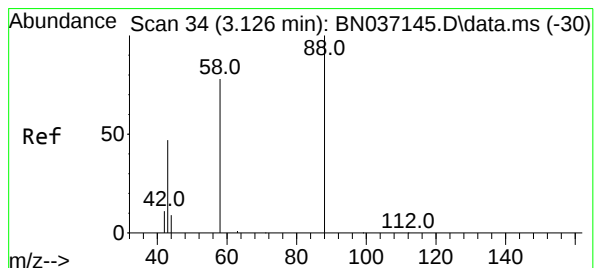
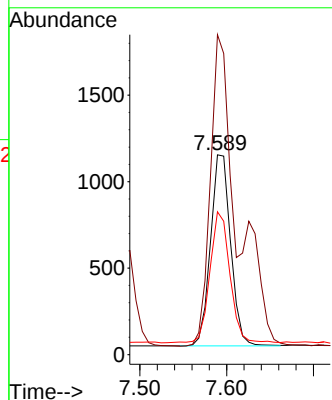
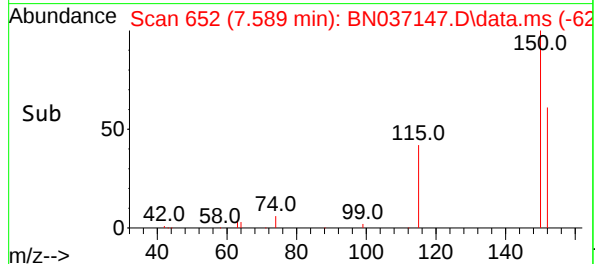


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

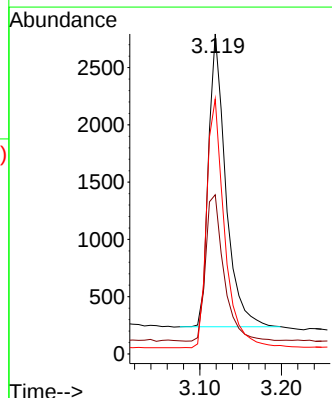
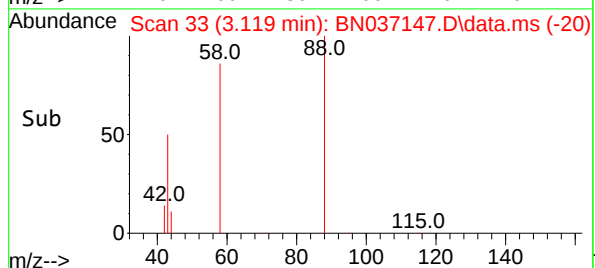
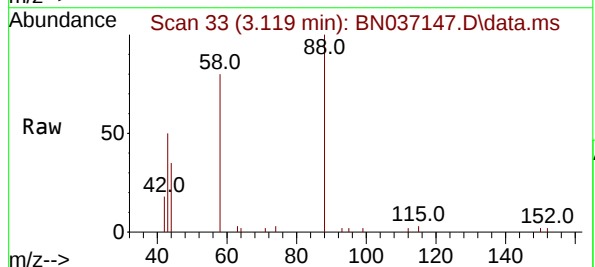


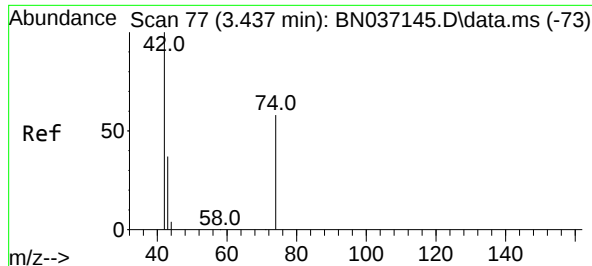
Tgt Ion:152 Resp: 1779
Ion Ratio Lower Upper
152 100
150 160.2 123.2 184.8
115 71.5 56.6 85.0



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

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

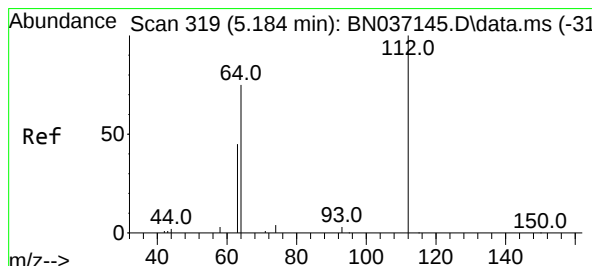
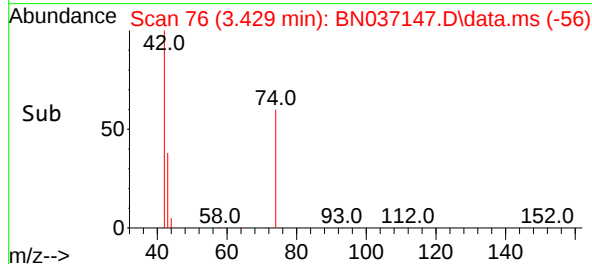
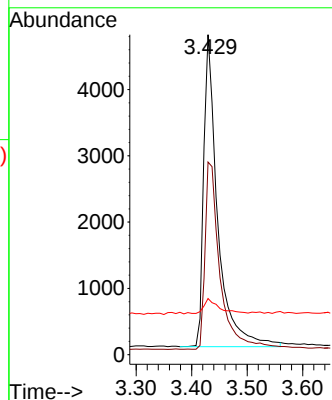
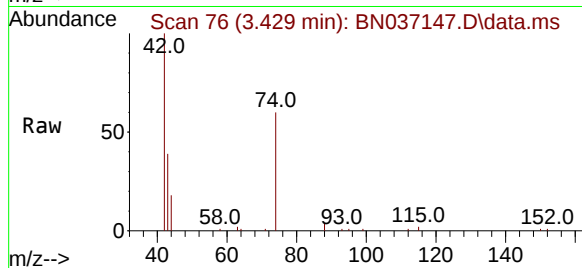




#3
n-Nitrosodimethylamine
Concen: 1.738 ng
RT: 3.429 min Scan# 70
Delta R.T. -0.007 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

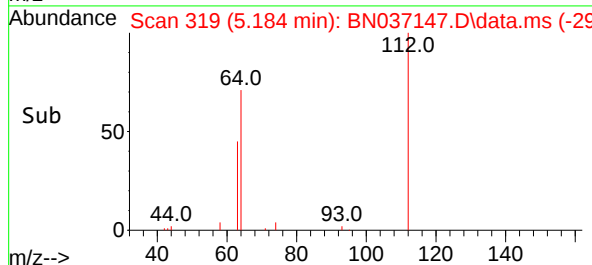
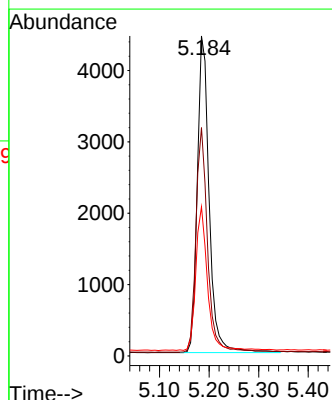
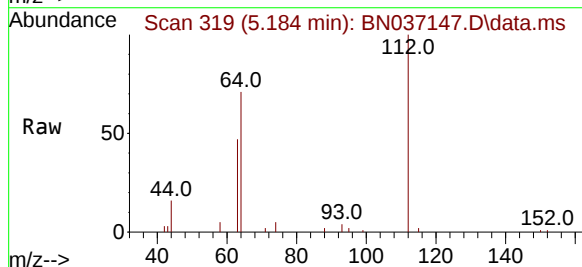
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

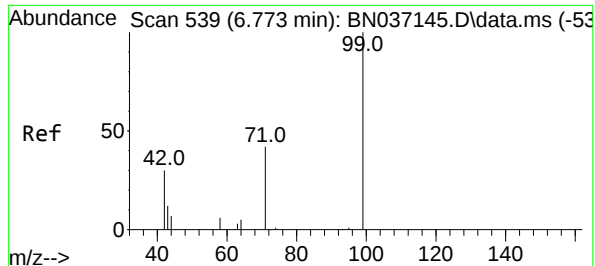
Tgt Ion: 42 Resp: 8276
Ion Ratio Lower Upper
42 100
74 64.1 53.0 79.4
44 5.2 5.9 8.9#



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

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

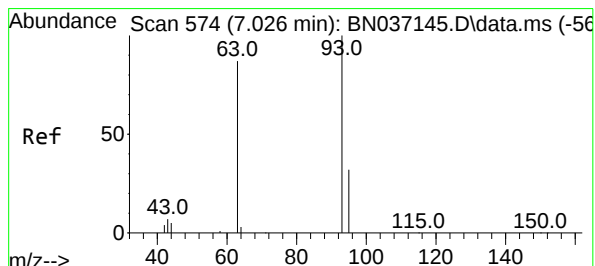
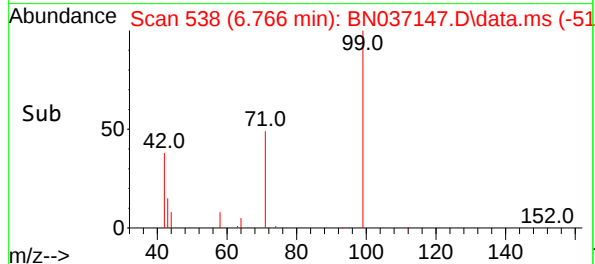
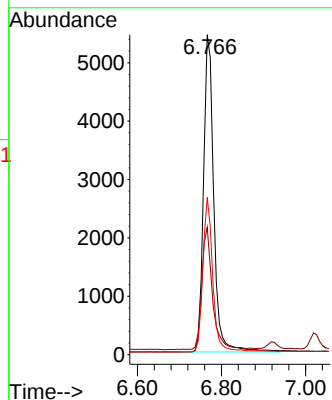
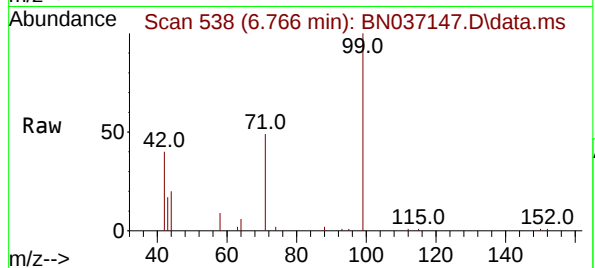




#5
Phenol-d6
Concen: 1.726 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

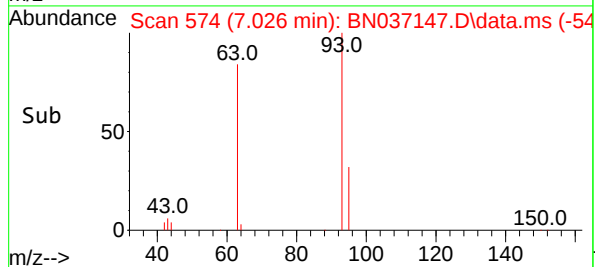
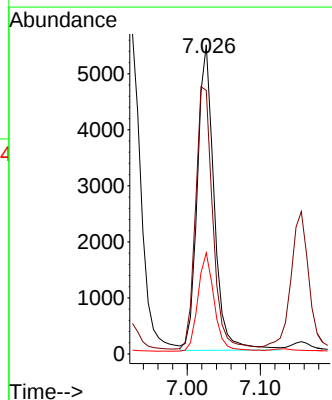
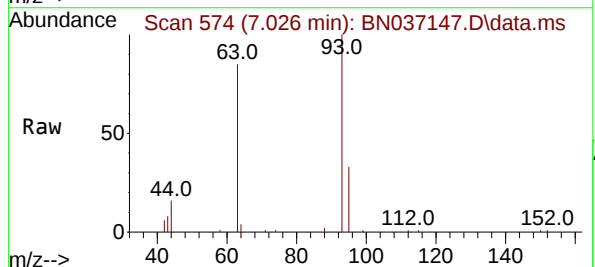
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

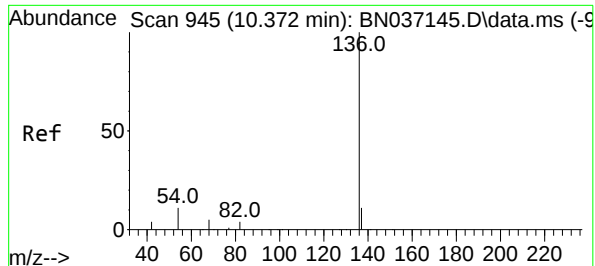
Tgt Ion: 99 Resp: 9203
Ion Ratio Lower Upper
99 100
42 39.7 31.3 46.9
71 47.7 38.2 57.2



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

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

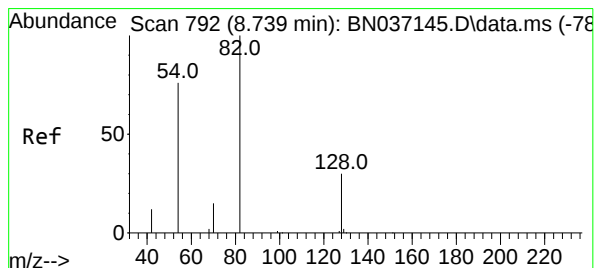
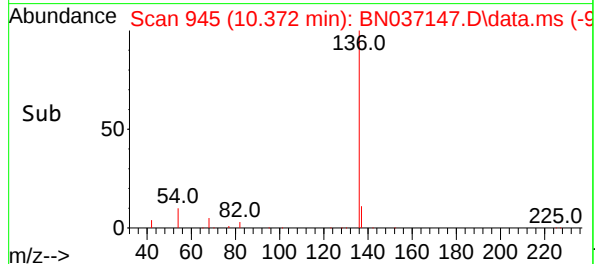
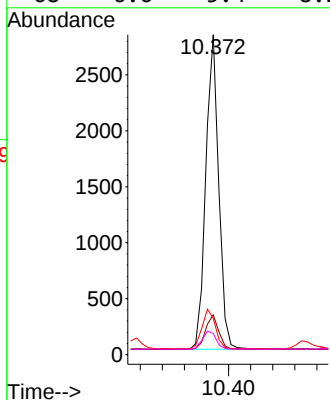
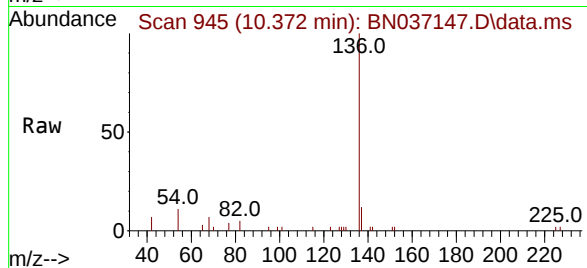




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

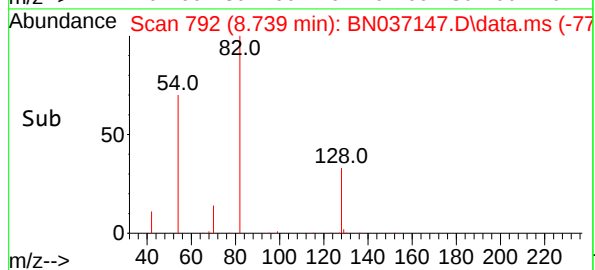
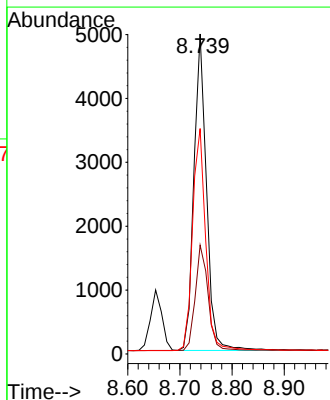
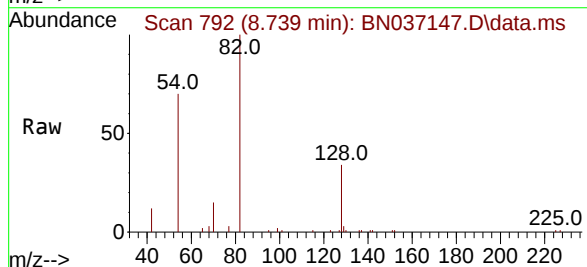
Instrument :
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ClientSampleId :
SSTDICC1.6

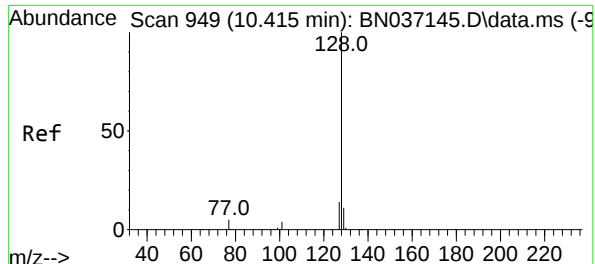
Tgt Ion:	136	Resp:	4585
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	11.3	9.7	14.5
68	6.6	5.4	8.2



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

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





#9

Naphthalene

Concen: 1.685 ng

RT: 10.415 min Scan# 949

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

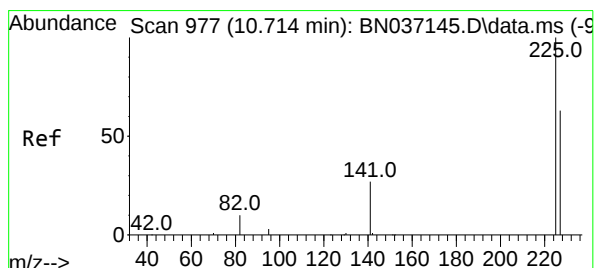
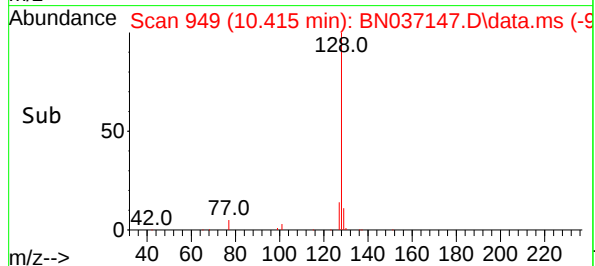
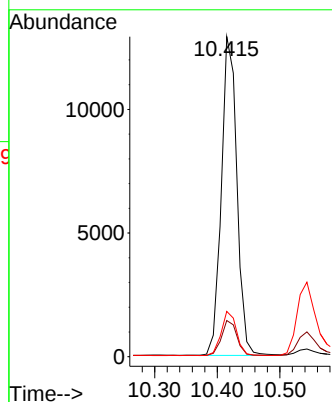
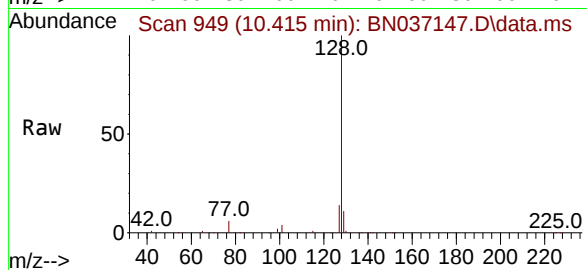
Tgt Ion:128 Resp: 22289

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

127 14.1 12.3 18.5



#10

Hexachlorobutadiene

Concen: 1.694 ng

RT: 10.714 min Scan# 977

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

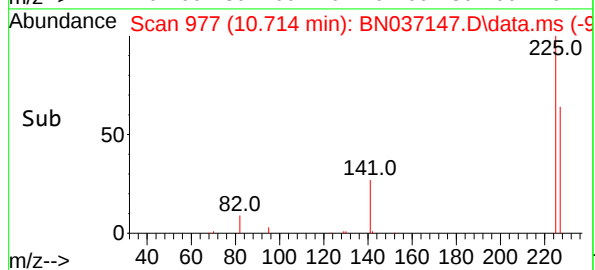
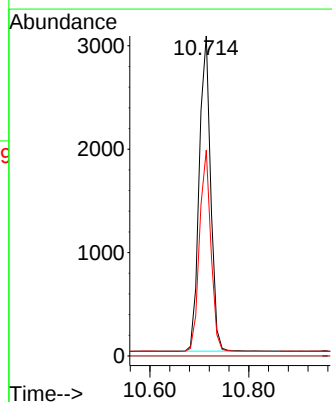
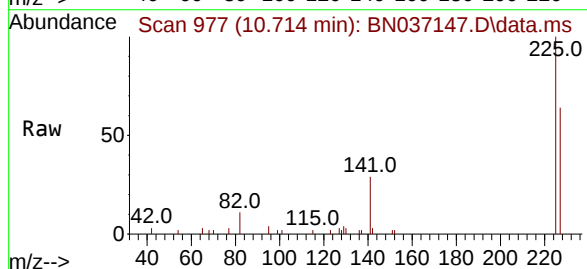
Tgt Ion:225 Resp: 4883

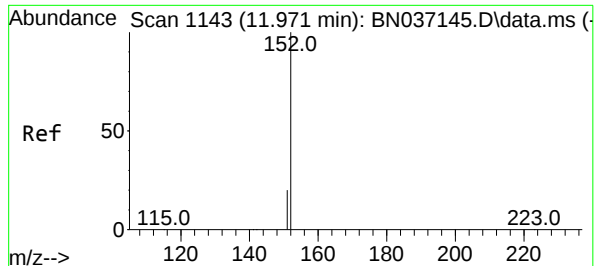
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.4 50.3 75.5

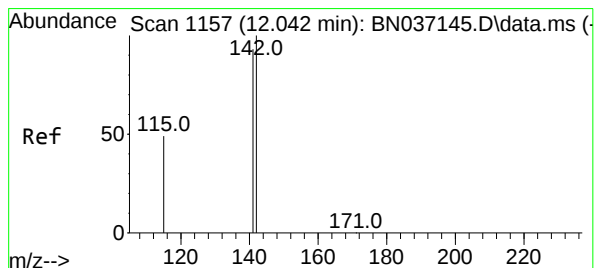
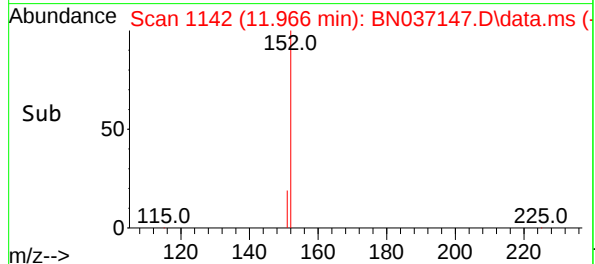
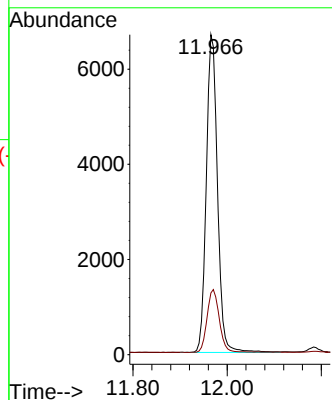
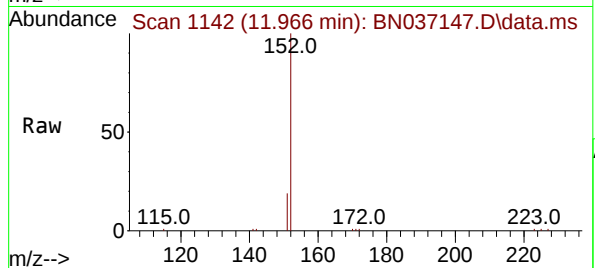




#11
2-Methylnaphthalene-d10
Concen: 1.719 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

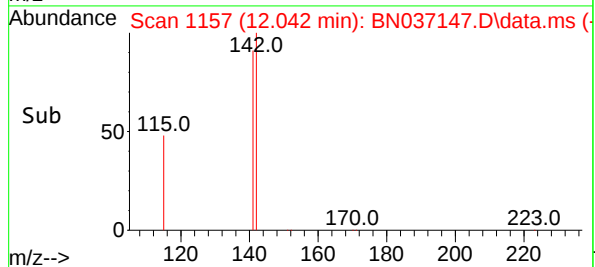
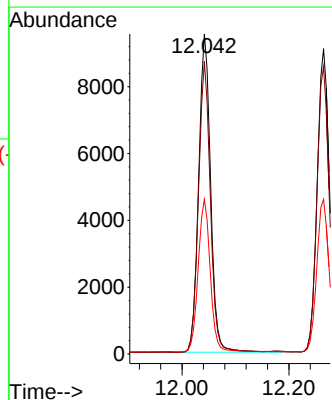
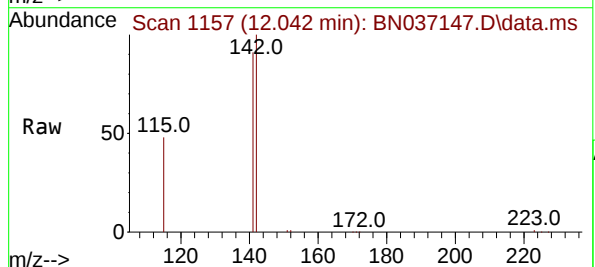
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

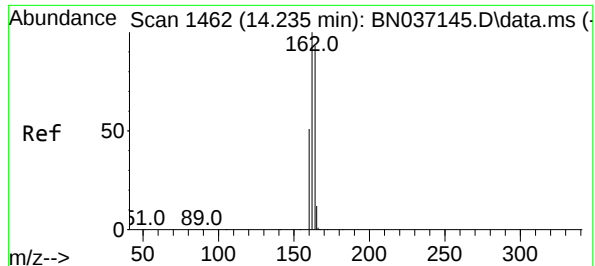
Tgt Ion:152 Resp: 10971
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



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

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

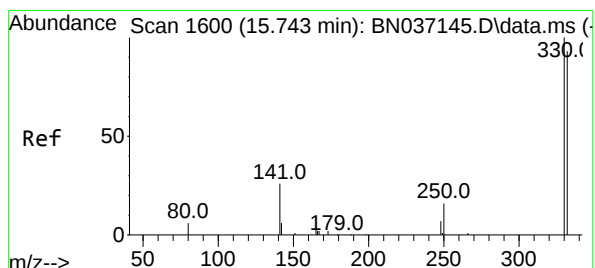
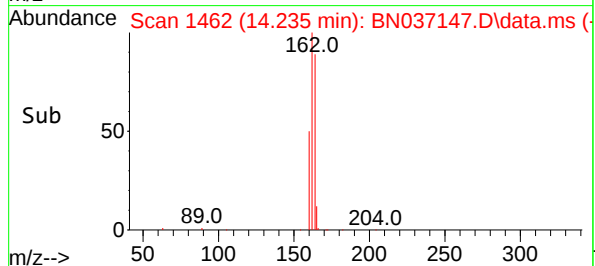
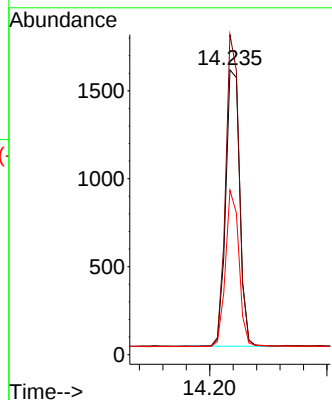
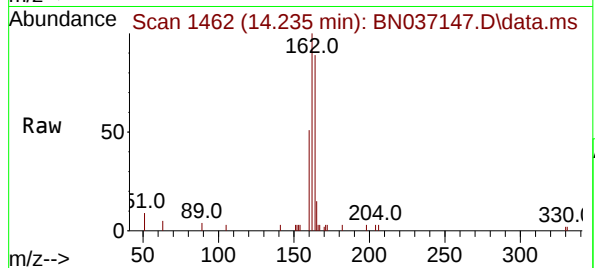




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

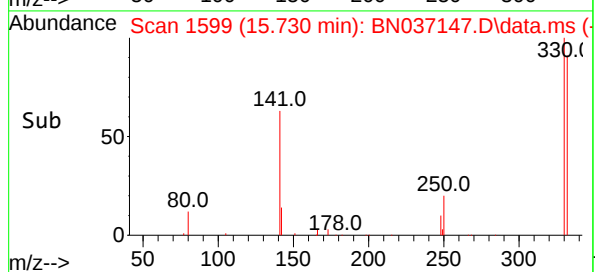
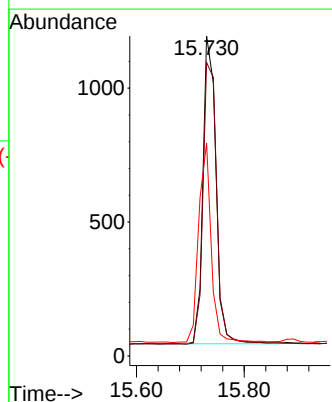
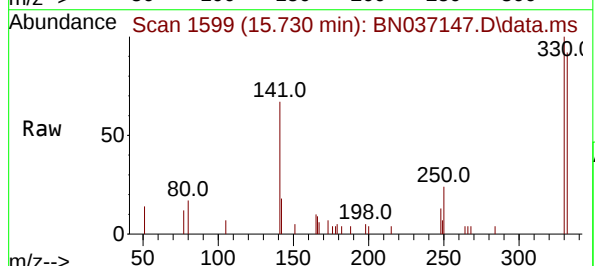
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

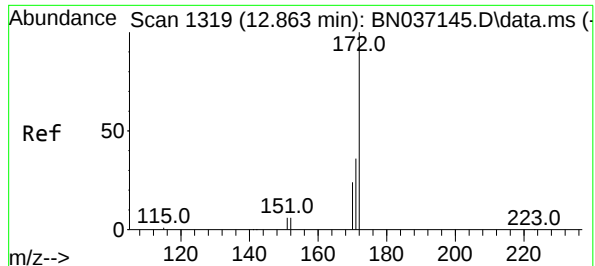
Tgt Ion:164 Resp: 2603
Ion Ratio Lower Upper
164 100
162 112.4 85.5 128.3
160 57.8 44.6 67.0



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

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

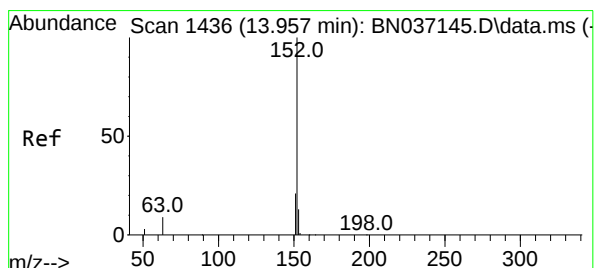
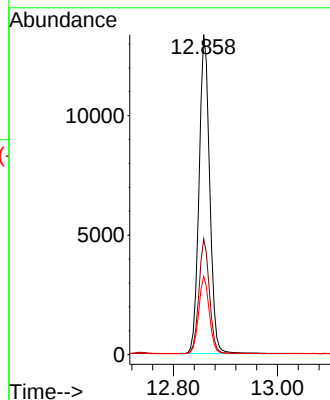
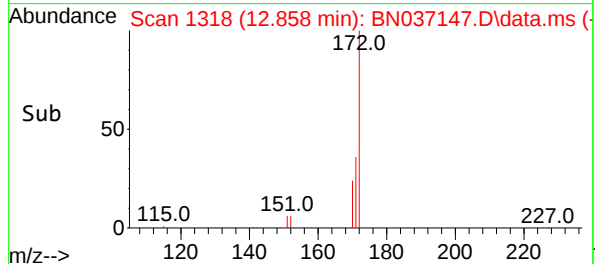
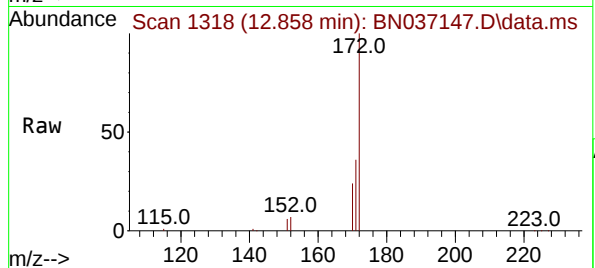




#15
2-Fluorobiphenyl
Concen: 1.702 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

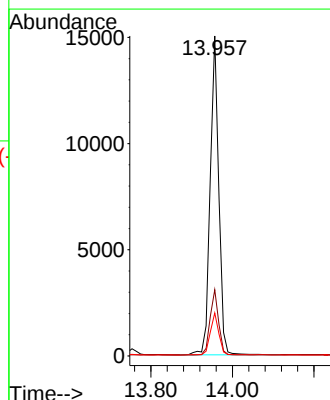
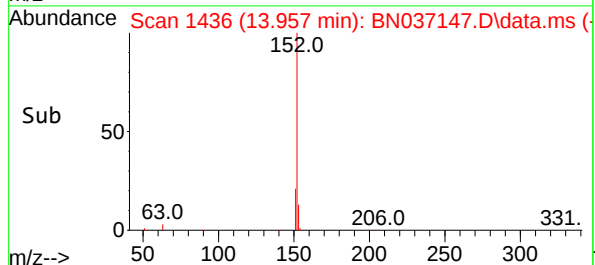
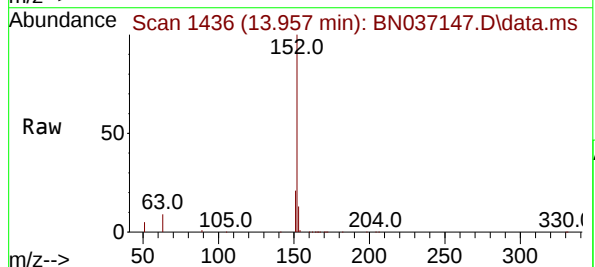
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

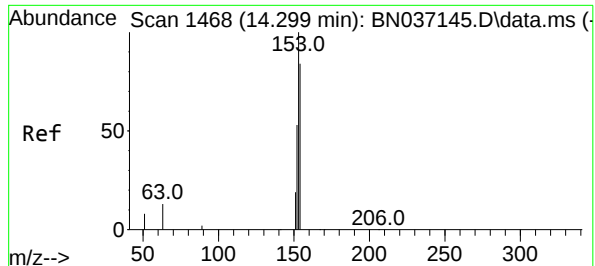
Tgt Ion:172 Resp: 18891
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.5 20.3 30.5



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

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

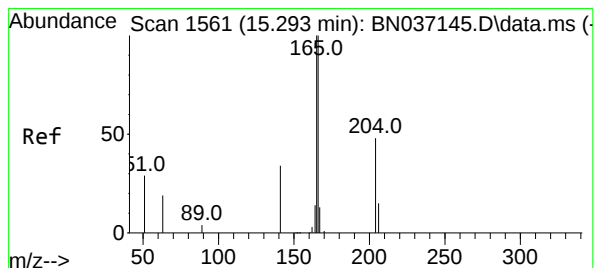
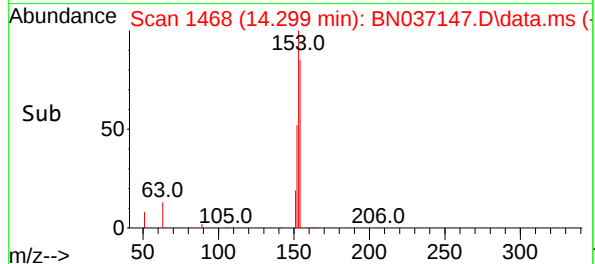
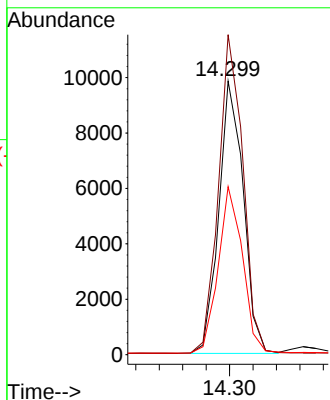
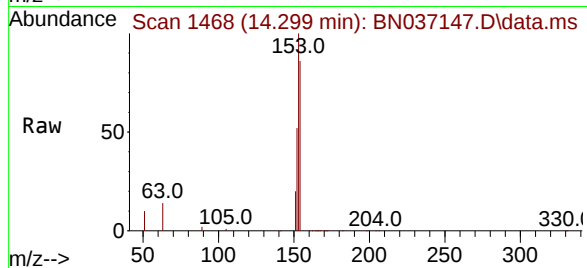




#17
Acenaphthene
Concen: 1.722 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

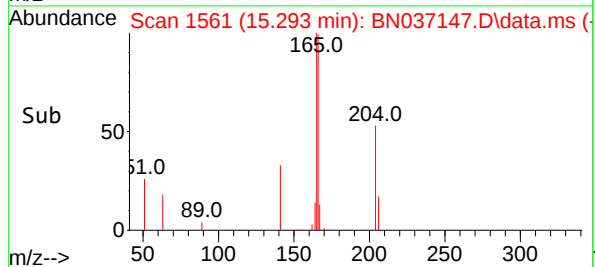
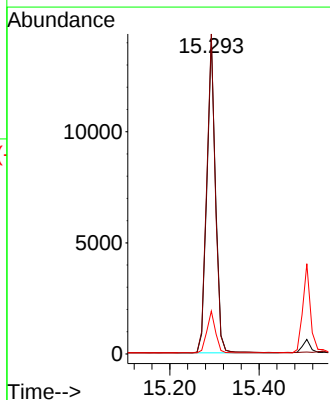
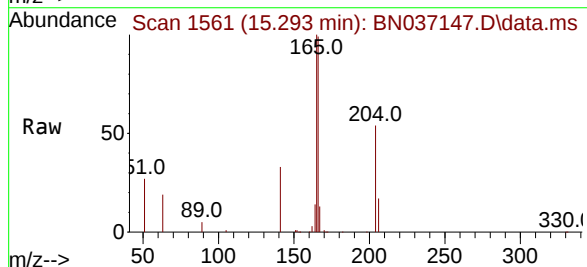
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

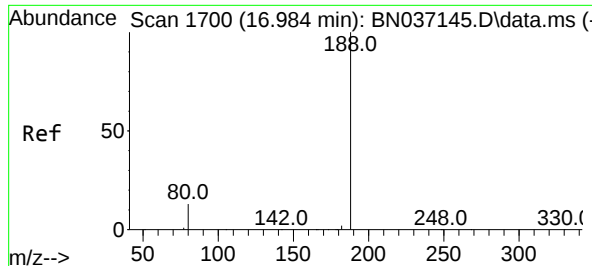
Tgt Ion:154 Resp: 14266
Ion Ratio Lower Upper
154 100
153 117.1 93.8 140.8
152 61.2 50.5 75.7



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

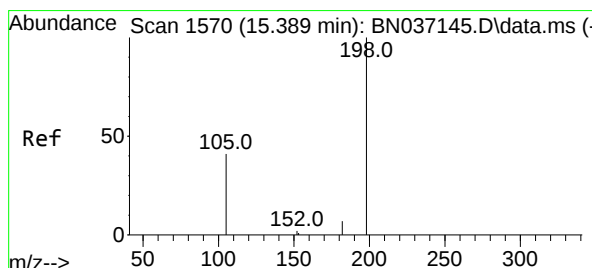
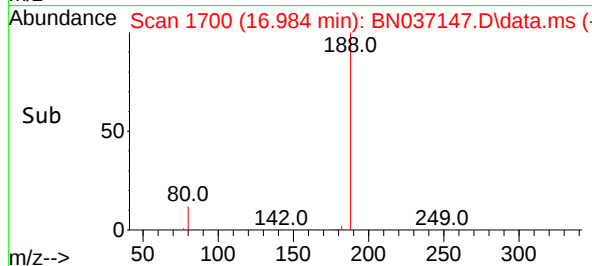
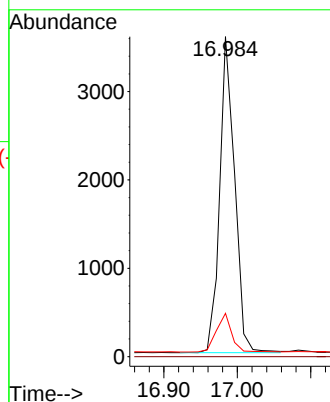
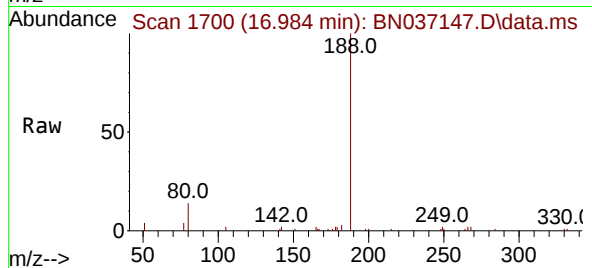
Tgt Ion:188 Resp: 5057

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.6 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 1.502 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

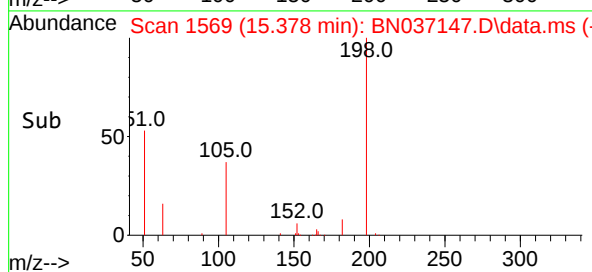
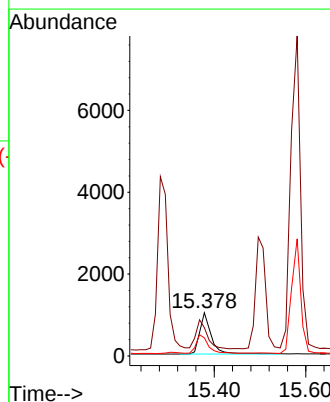
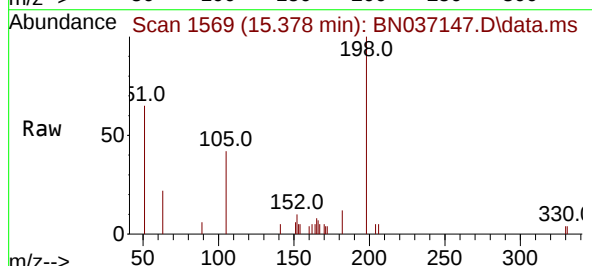
Tgt Ion:198 Resp: 1819

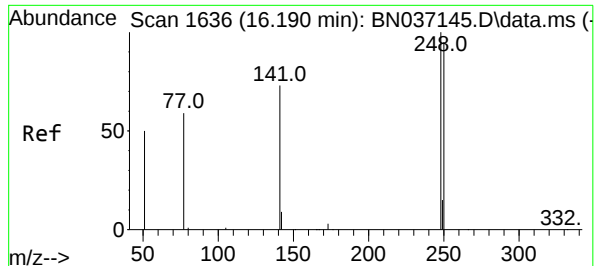
Ion Ratio Lower Upper

198 100

51 65.5 125.2 187.8#

105 42.0 57.1 85.7#

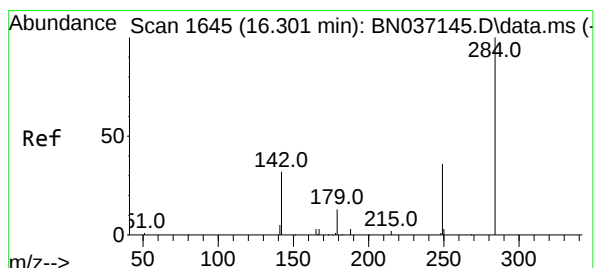
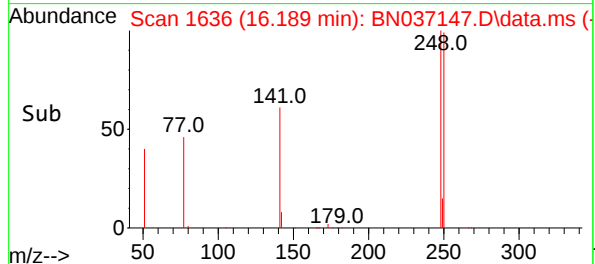
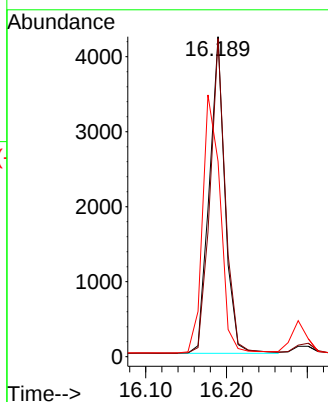
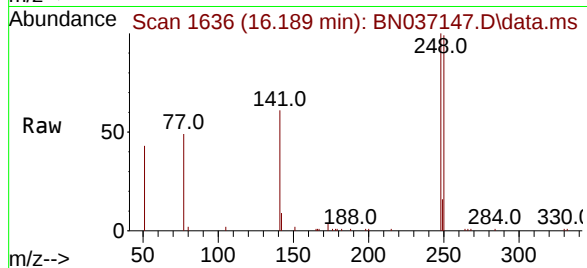




#21
4-Bromophenyl-phenylether
Concen: 1.717 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

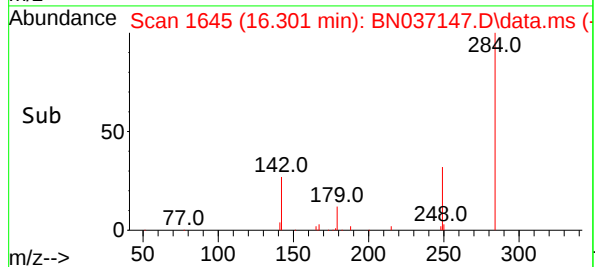
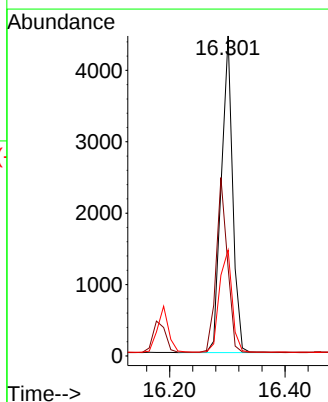
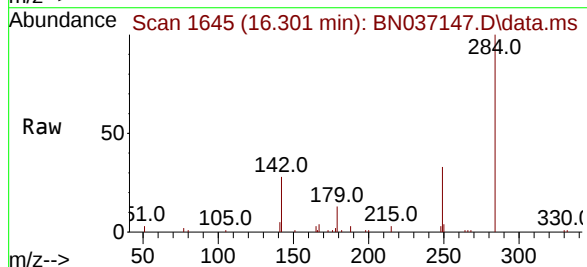
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

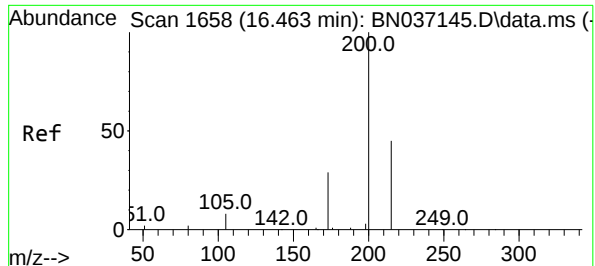
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.4	76.1	114.1
141	61.1	60.1	90.1



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

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

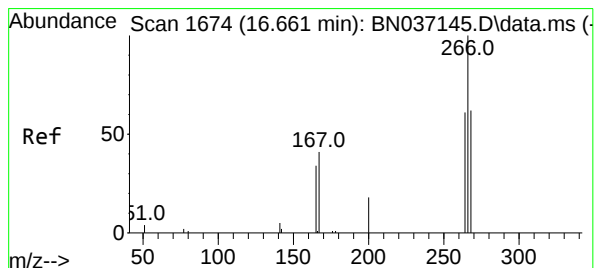
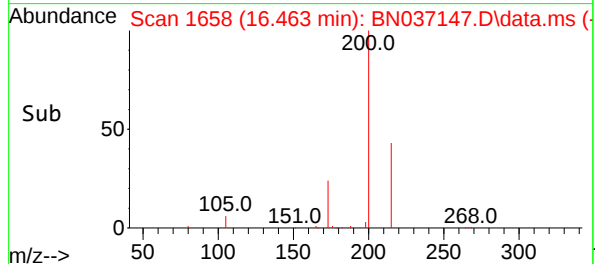
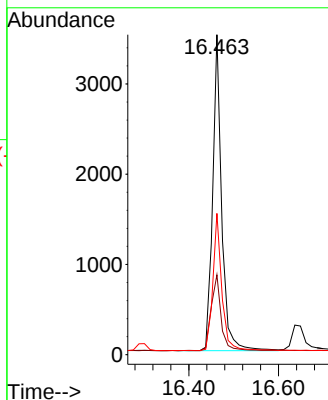
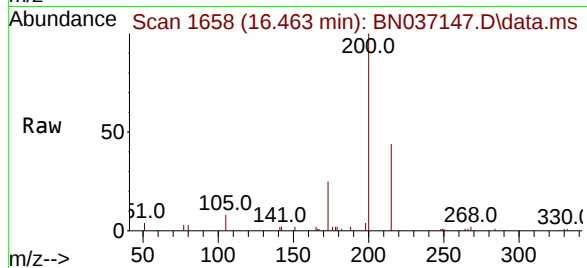




#23
Atrazine
Concen: 1.778 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

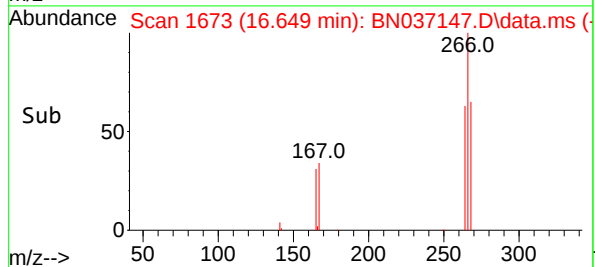
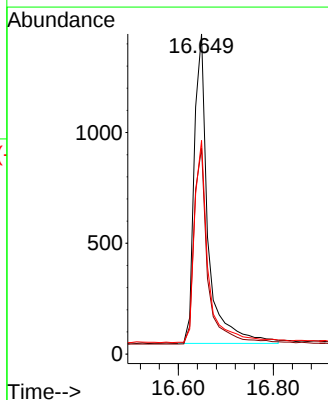
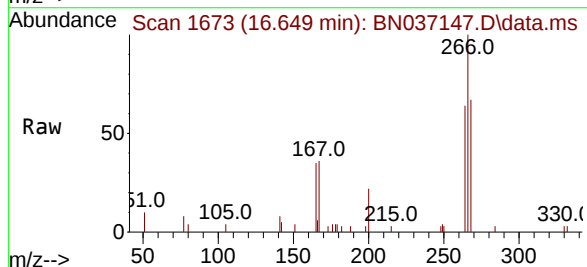
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

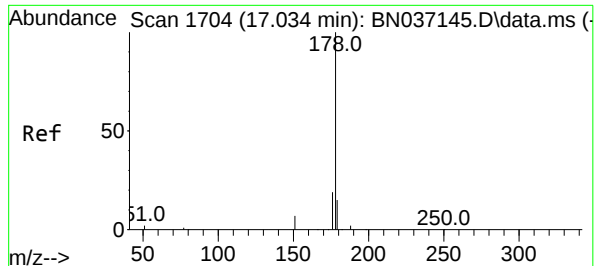
Tgt Ion:200 Resp: 4865
Ion Ratio Lower Upper
200 100
173 25.0 28.1 42.1#
215 44.1 39.3 58.9



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

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

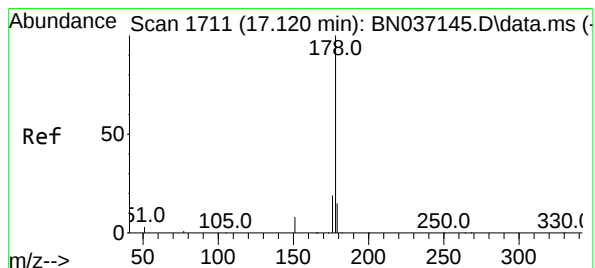
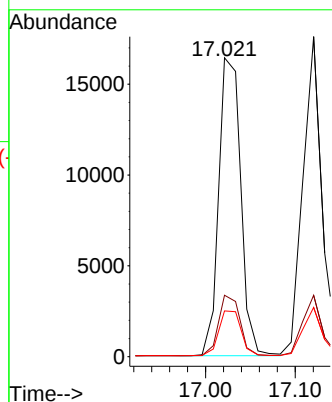
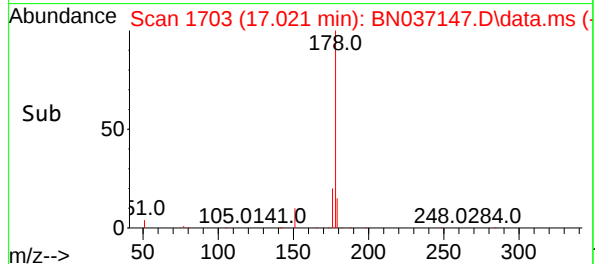
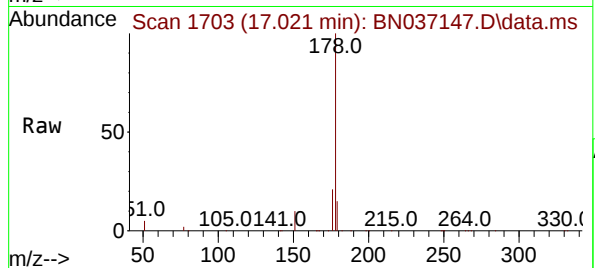




#25
Phenanthrene
Concen: 1.711 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

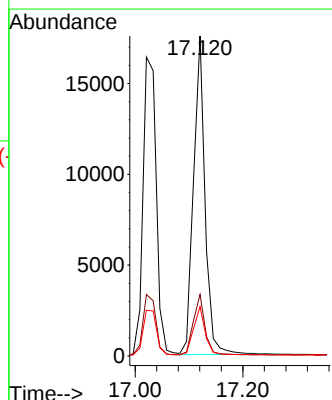
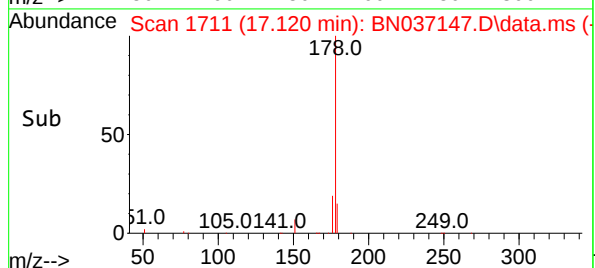
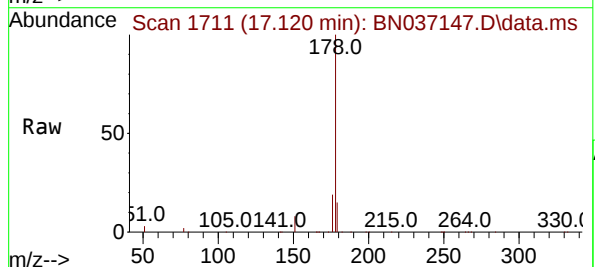
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

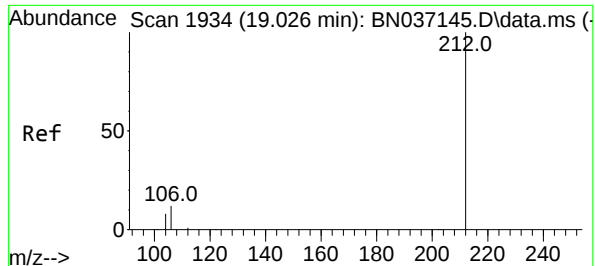
Tgt Ion:178 Resp: 28034
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.2 12.3 18.5



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

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





#27

Fluoranthene-d10

Concen: 1.720 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

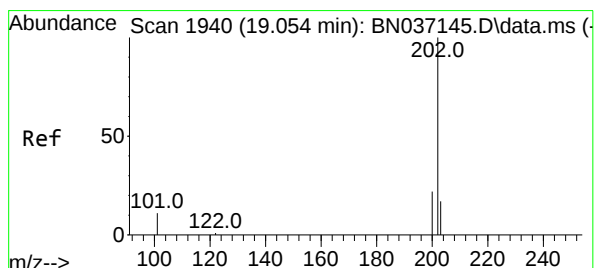
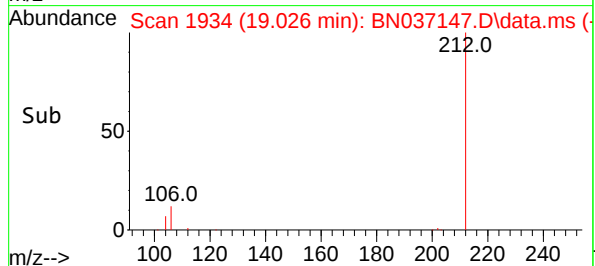
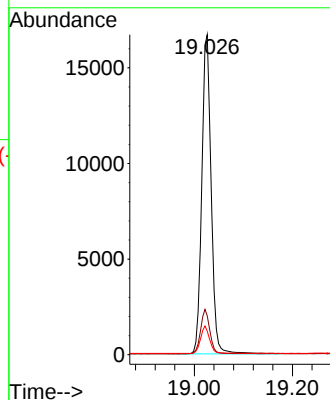
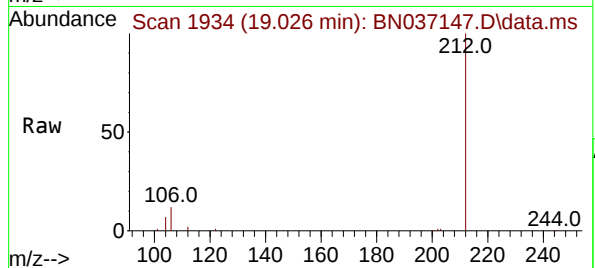
Tgt Ion:212 Resp: 22095

Ion Ratio Lower Upper

212 100

106 13.5 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 1.765 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

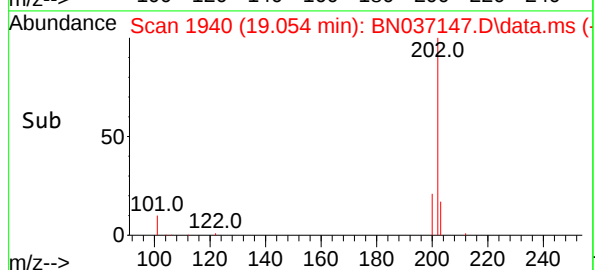
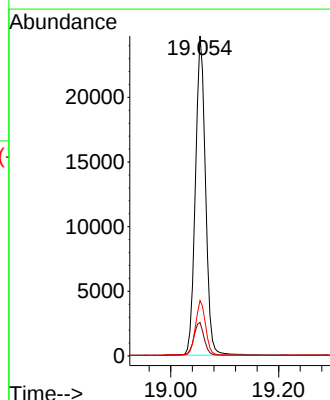
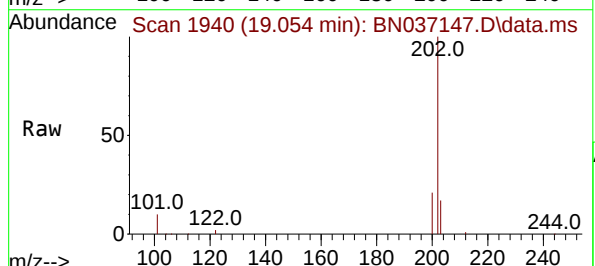
Tgt Ion:202 Resp: 31942

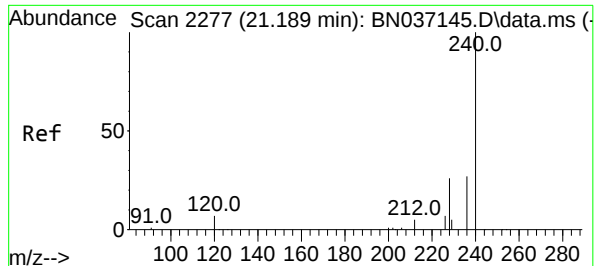
Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

203 16.9 13.5 20.3

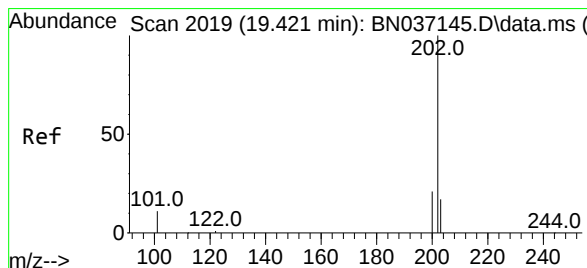
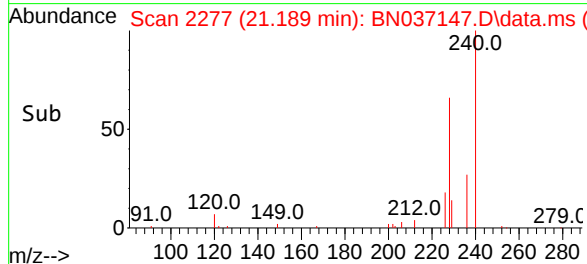
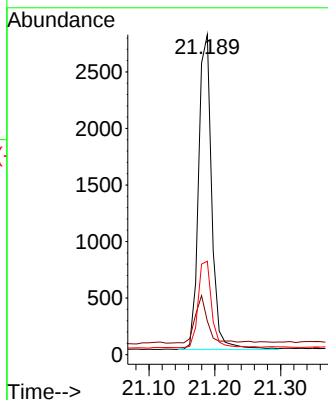
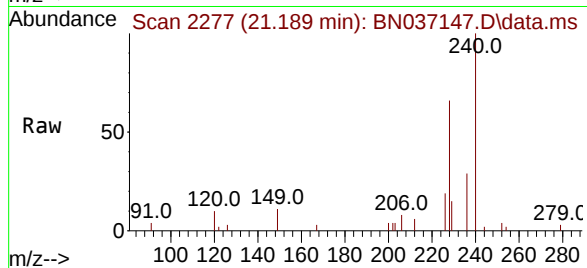




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

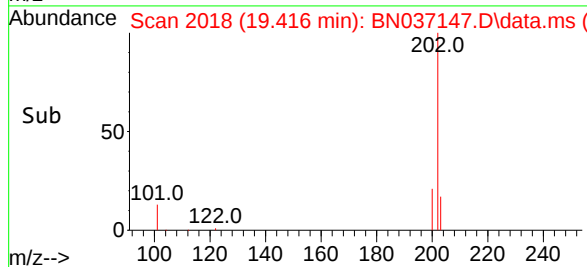
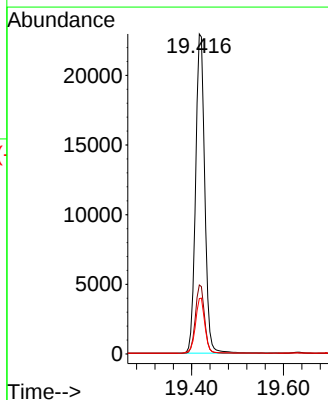
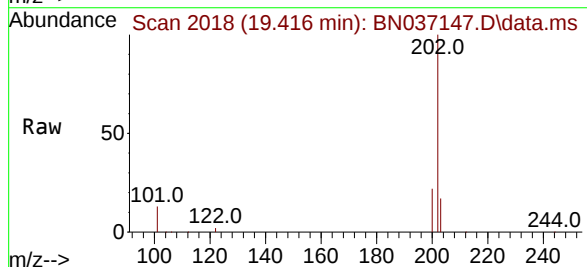
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

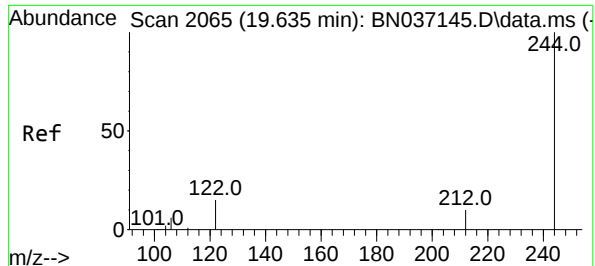
Tgt Ion:240 Resp: 3873
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 29.2 23.0 34.4



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

Tgt Ion:202 Resp: 31728
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.6 14.2 21.4

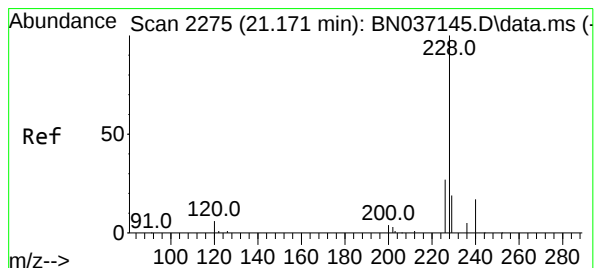
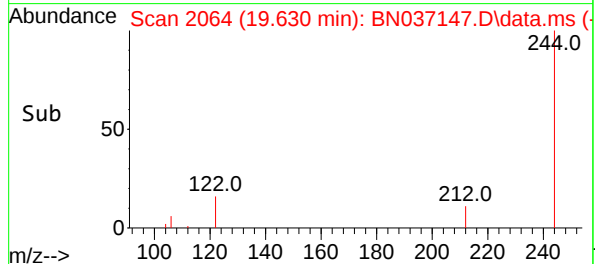
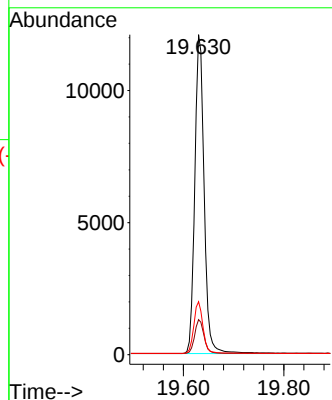
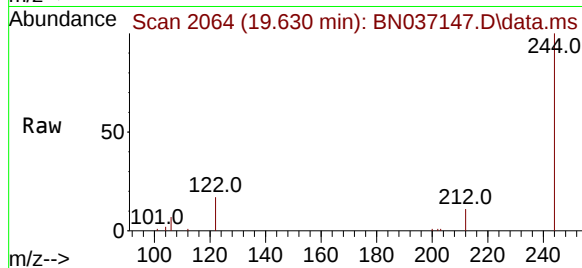




#31
Terphenyl-d14
Concen: 1.710 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037147.D
Acq: 03 Jun 2025 14:02

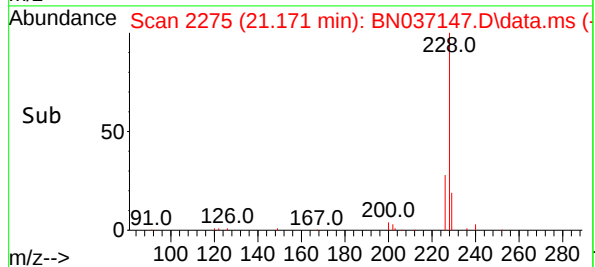
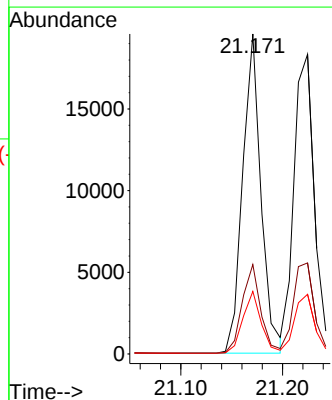
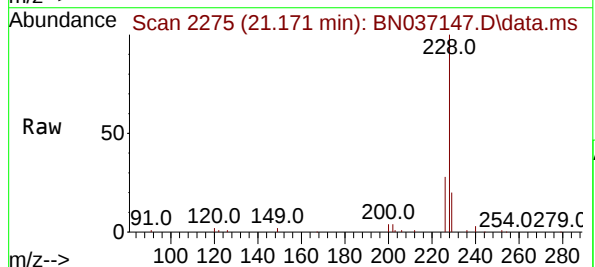
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

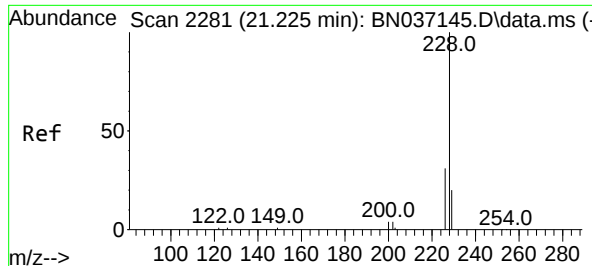
Tgt Ion:244 Resp: 15589
Ion Ratio Lower Upper
244 100
212 11.0 10.0 15.0
122 16.5 13.2 19.8



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

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





#33

Chrysene

Concen: 1.685 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

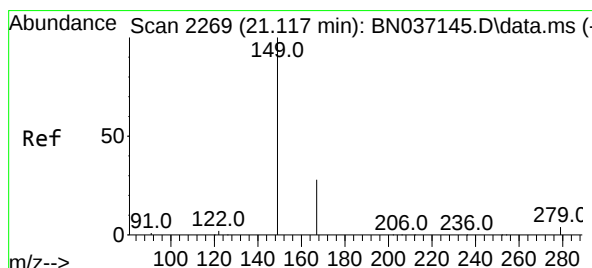
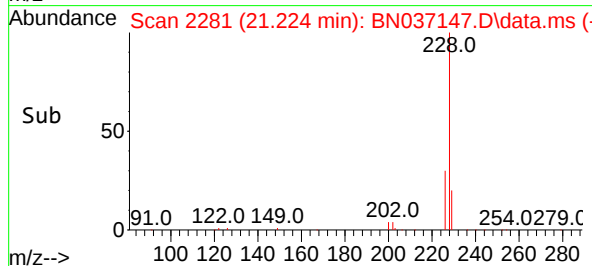
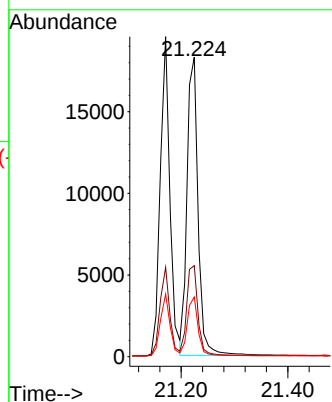
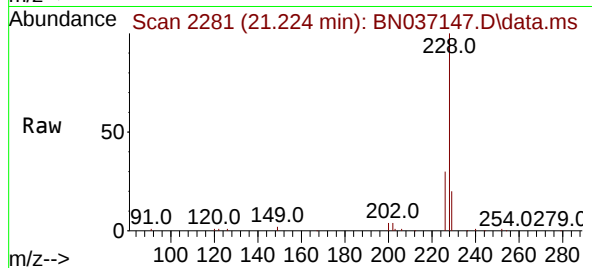
Tgt Ion:228 Resp: 26306

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

229 19.9 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.674 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

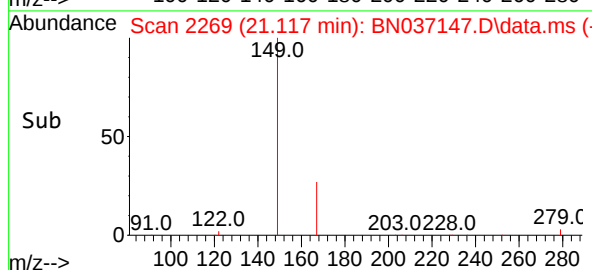
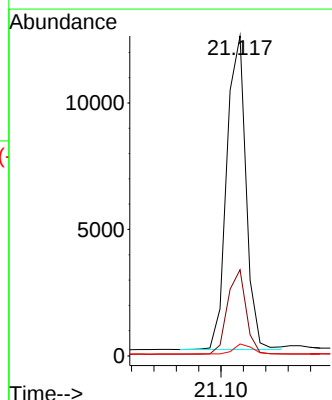
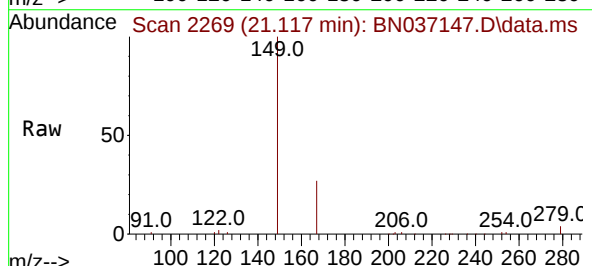
Tgt Ion:149 Resp: 14807

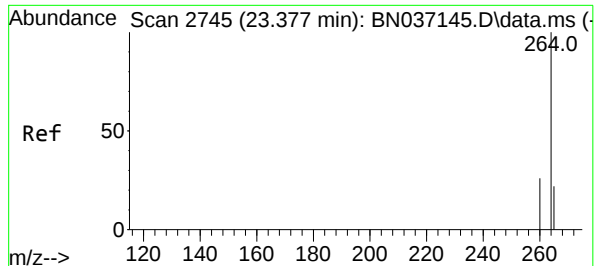
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

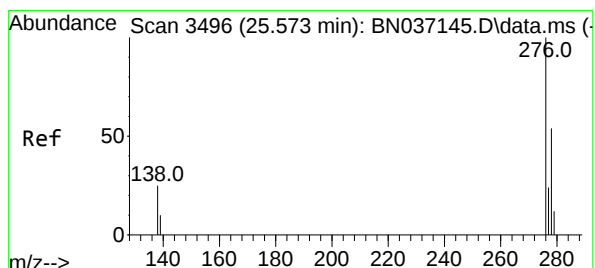
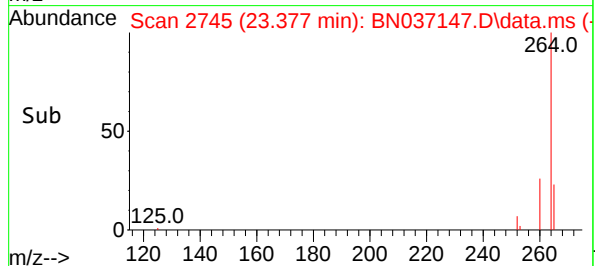
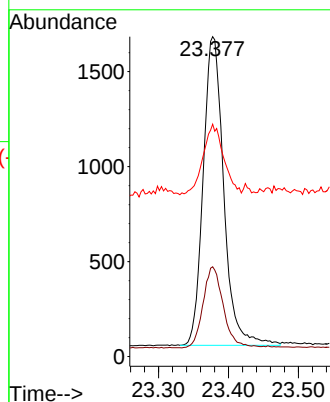
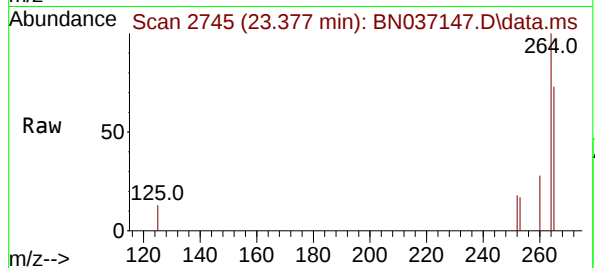
Tgt Ion:264 Resp: 3320

Ion Ratio Lower Upper

264 100

260 28.1 22.1 33.1

265 72.6 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.704 ng

RT: 25.573 min Scan# 3496

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

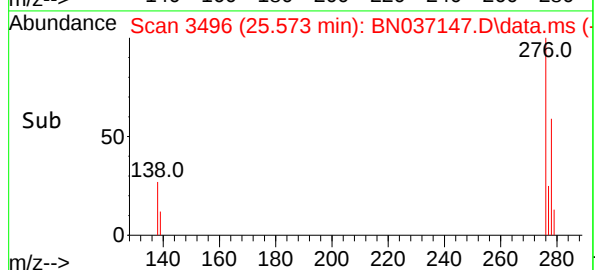
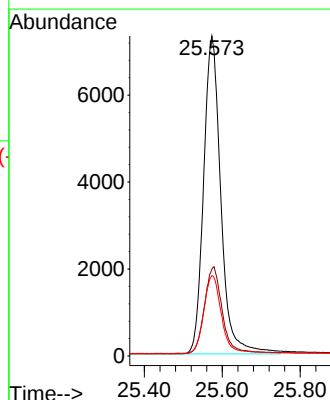
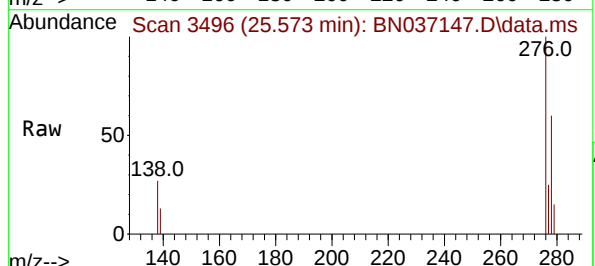
Tgt Ion:276 Resp: 22504

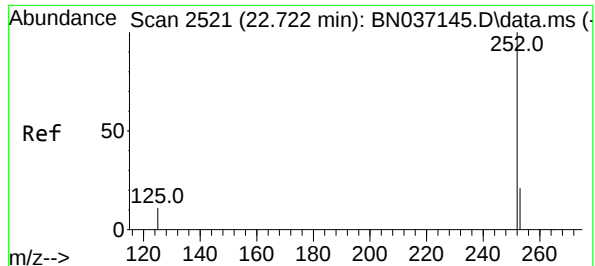
Ion Ratio Lower Upper

276 100

138 27.8 21.0 31.6

277 25.1 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 1.747 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037147.D

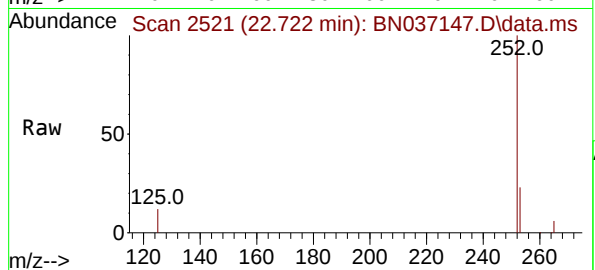
Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



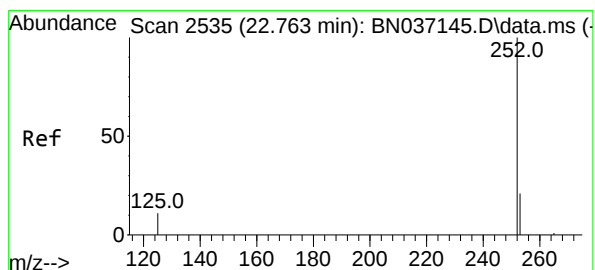
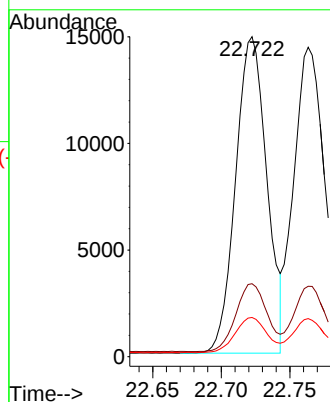
Tgt Ion:252 Resp: 23418

Ion Ratio Lower Upper

252 100

253 22.8 22.3 33.5

125 12.3 13.2 19.8#



#38

Benzo(k)fluoranthene

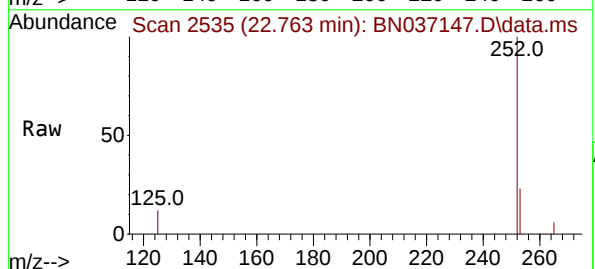
Concen: 1.725 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02



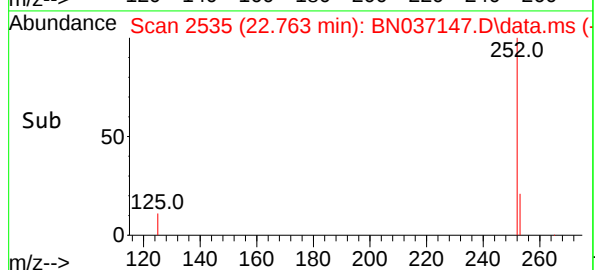
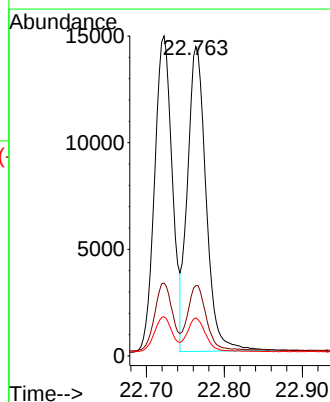
Tgt Ion:252 Resp: 23602

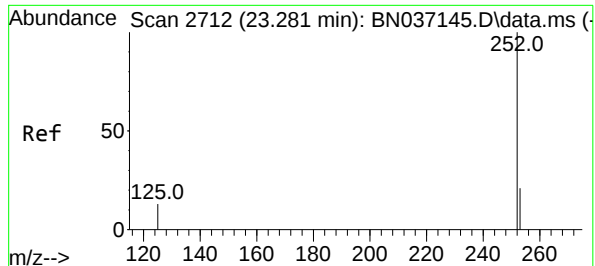
Ion Ratio Lower Upper

252 100

253 22.8 22.2 33.4

125 12.3 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 1.716 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037147.D

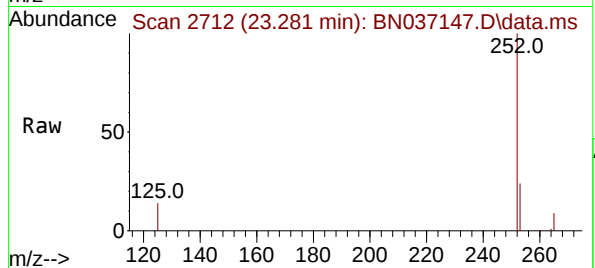
Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



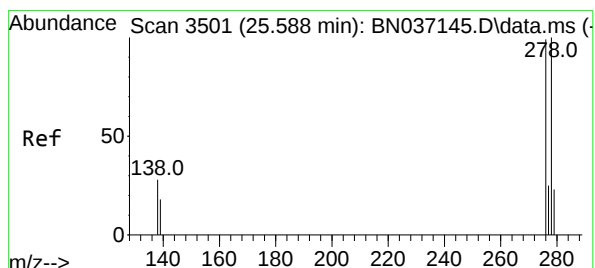
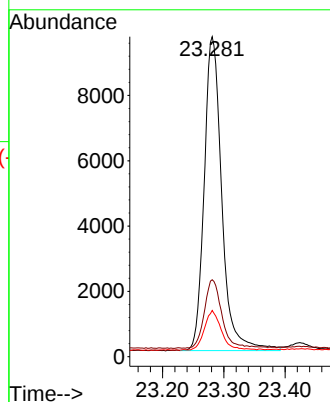
Tgt Ion:252 Resp: 19265

Ion Ratio Lower Upper

252 100

253 24.1 25.0 37.4#

125 14.4 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 1.738 ng

RT: 25.588 min Scan# 3501

Delta R.T. -0.000 min

Lab File: BN037147.D

Acq: 03 Jun 2025 14:02

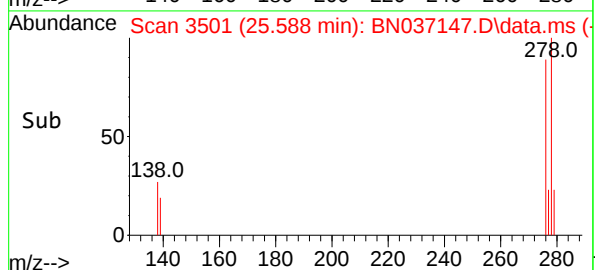
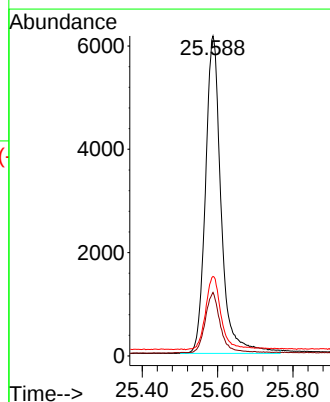
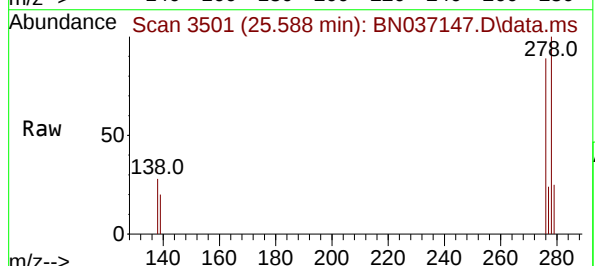
Tgt Ion:278 Resp: 17700

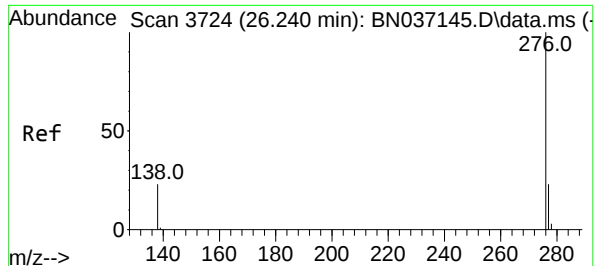
Ion Ratio Lower Upper

278 100

139 19.9 17.6 26.4

279 24.9 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 1.677 ng

RT: 26.243 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037147.D

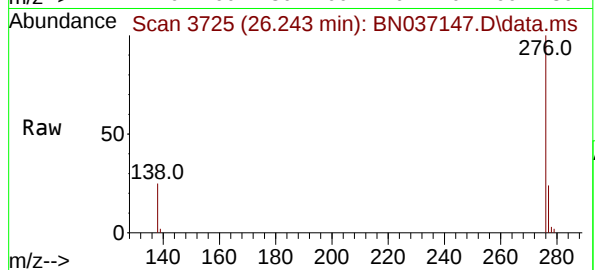
Acq: 03 Jun 2025 14:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



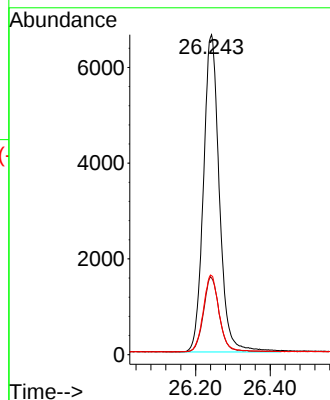
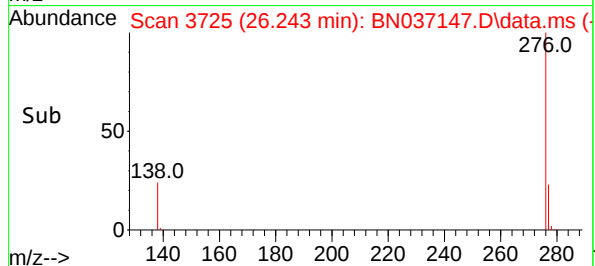
Tgt Ion:276 Resp: 19619

Ion Ratio Lower Upper

276 100

277 24.0 20.9 31.3

138 24.7 20.8 31.2



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

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

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

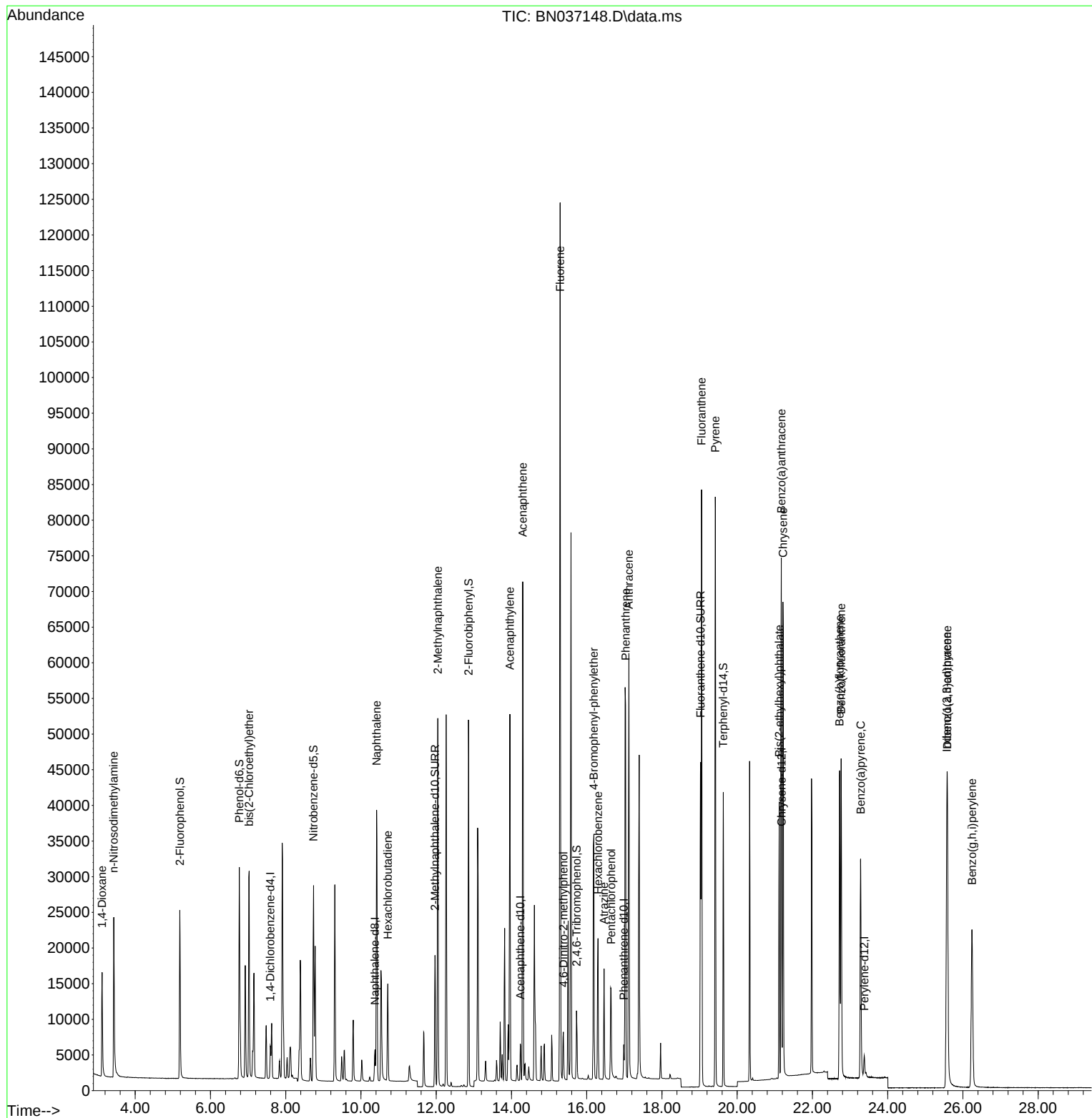
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2082	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5272	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	3042	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5757	0.400	ng	0.00
29) Chrysene-d12	21.180	240	4564	0.400	ng	# 0.00
35) Perylene-d12	23.377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

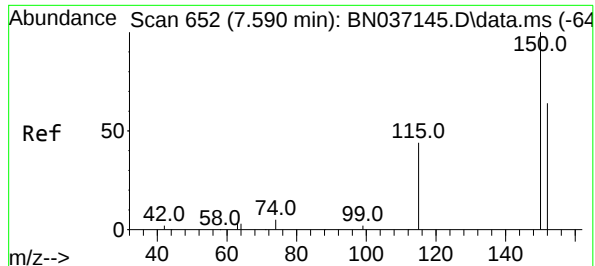
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

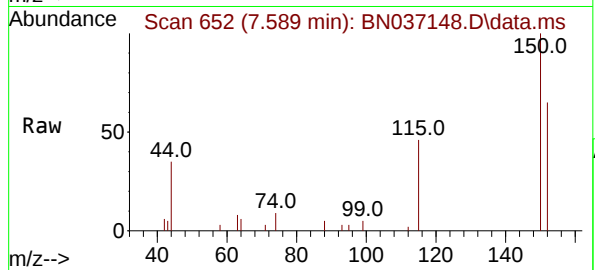
Quant Time: Jun 04 01:43:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:40:18 2025
Response via : Initial Calibration





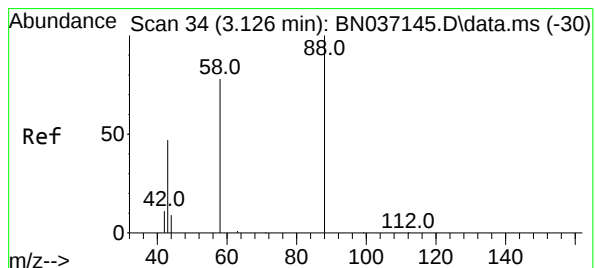
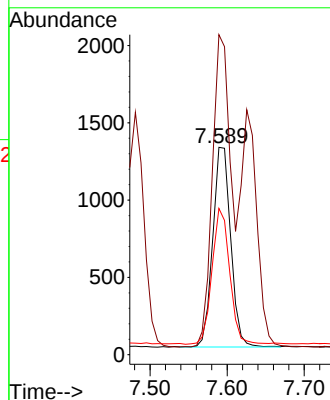
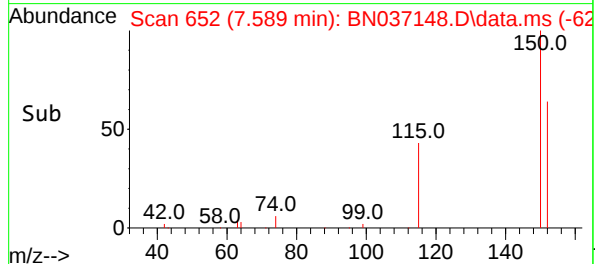
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2



Tgt Ion:152 Resp: 2082

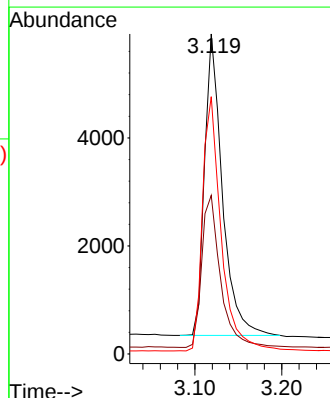
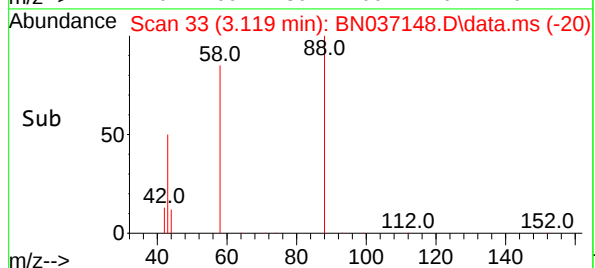
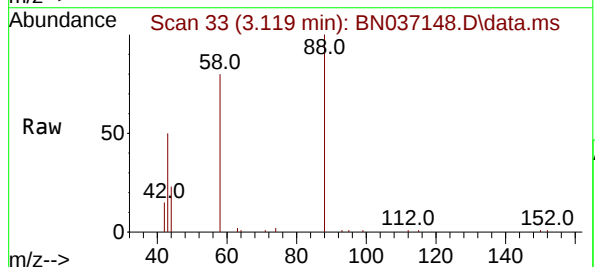
Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.2	184.8
115	70.5	56.6	85.0

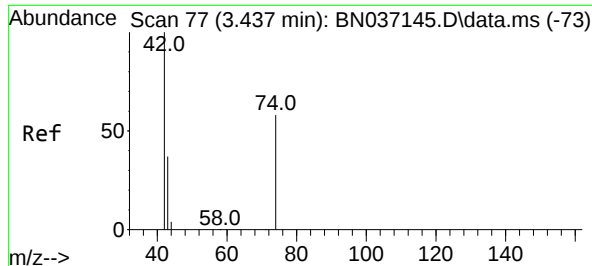


#2
1,4-Dioxane
Concen: 2.862 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

Tgt Ion: 88 Resp: 7944

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

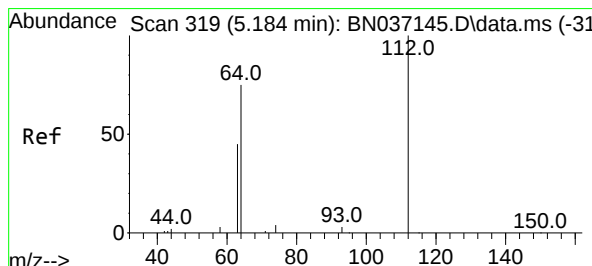
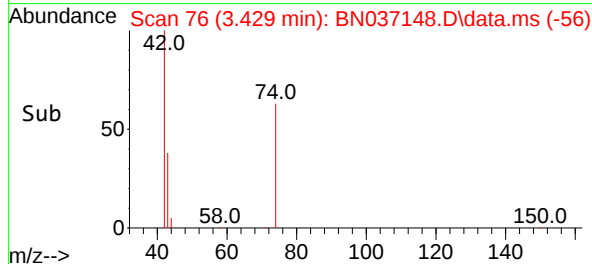
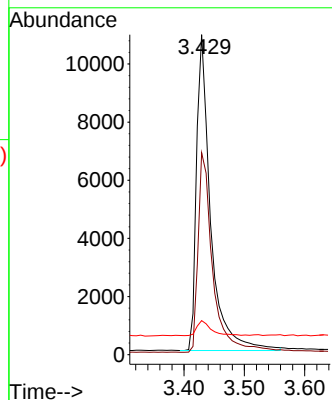
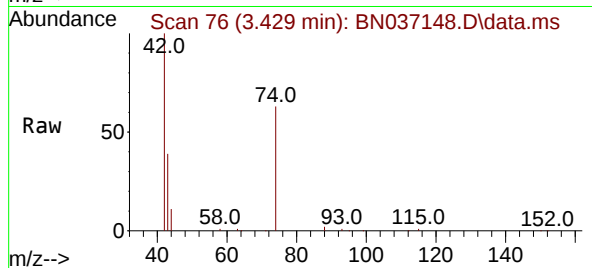




#3
n-Nitrosodimethylamine
Concen: 3.172 ng
RT: 3.429 min Scan# 70
Delta R.T. -0.007 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

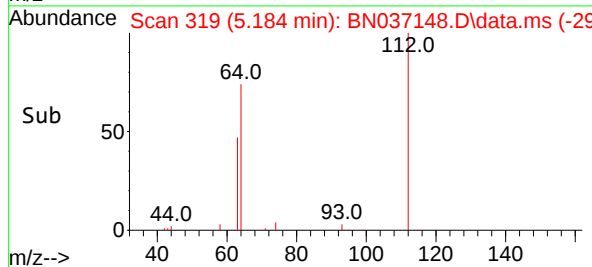
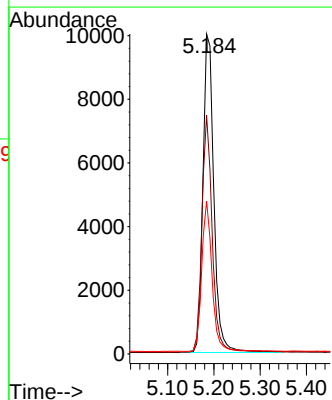
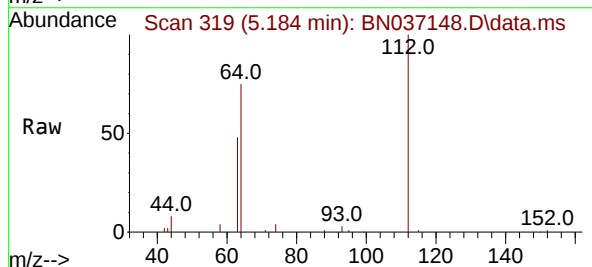
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

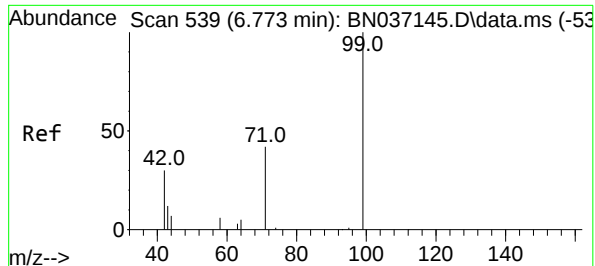
Tgt Ion: 42 Resp: 17675
Ion Ratio Lower Upper
42 100
74 65.5 53.0 79.4
44 4.8 5.9 8.9#



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

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

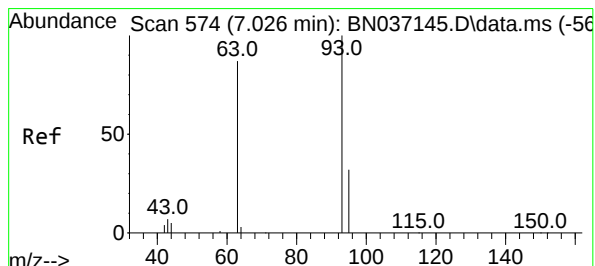
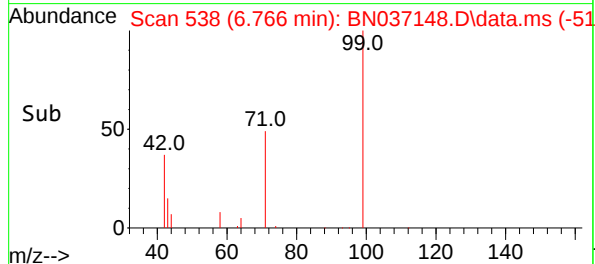
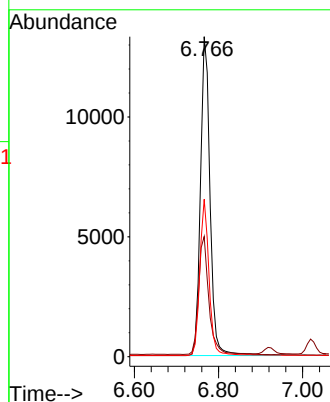
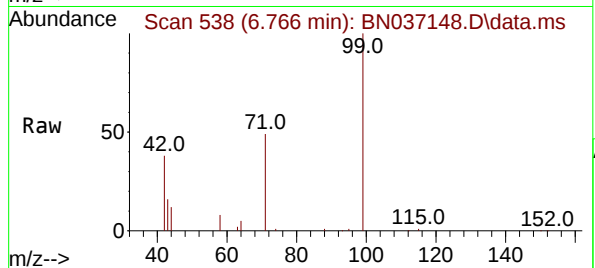




#5
Phenol-d6
Concen: 3.367 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

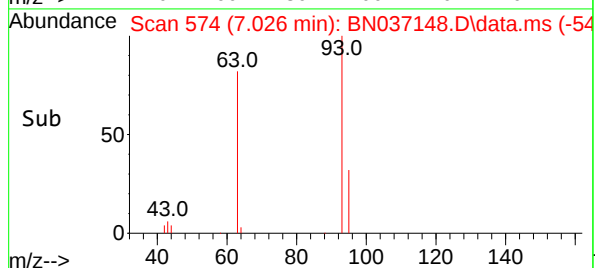
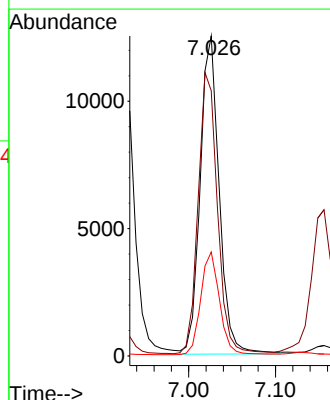
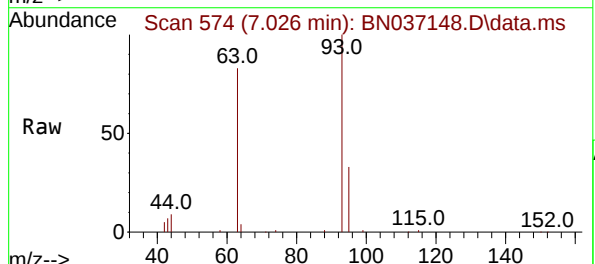
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

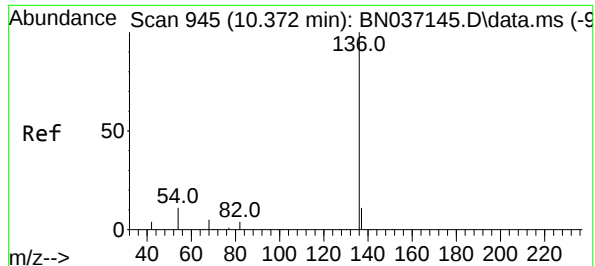
Tgt Ion: 99 Resp: 21011
Ion Ratio Lower Upper
99 100
42 39.5 31.3 46.9
71 47.7 38.2 57.2



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

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

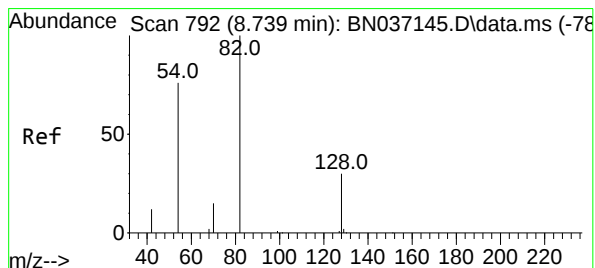
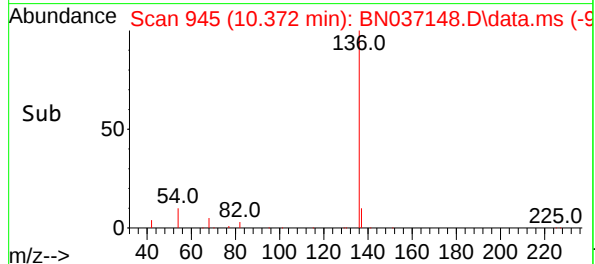
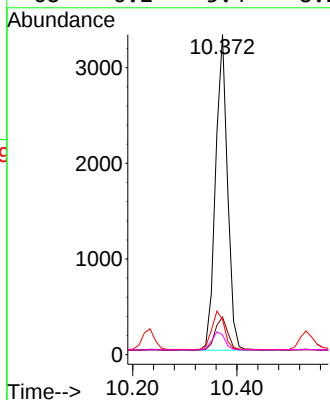
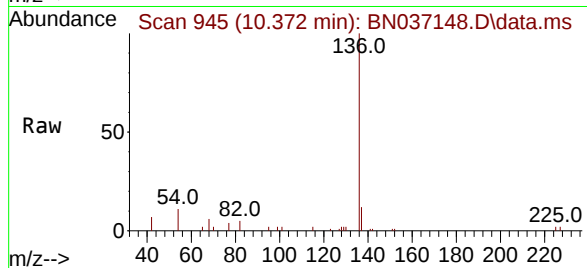




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

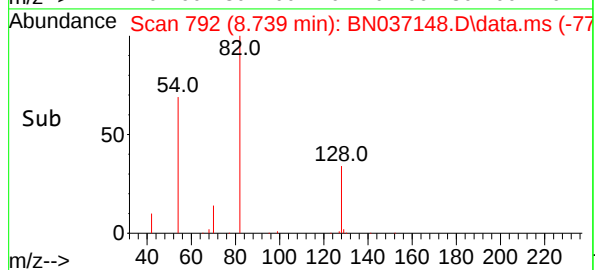
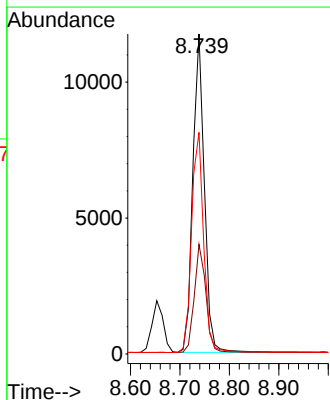
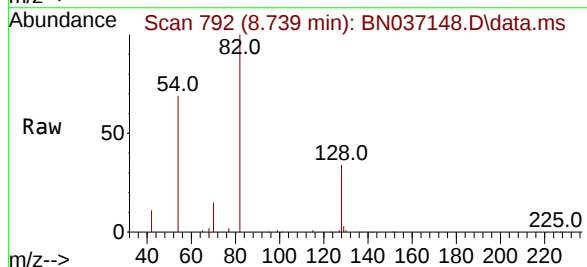
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

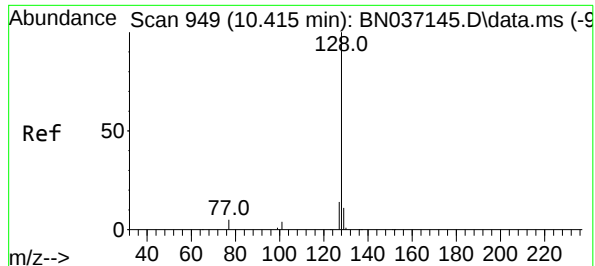
Tgt Ion:	136	Resp:	5272
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	11.0	9.7	14.5
68	6.2	5.4	8.2



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

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

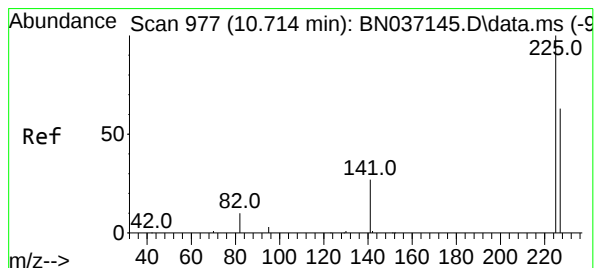
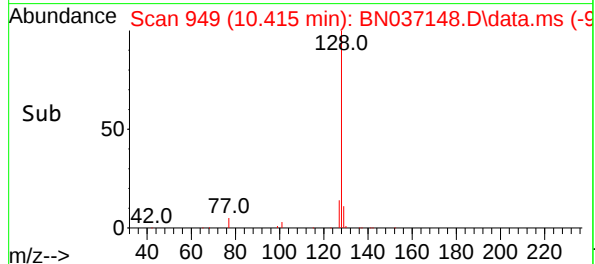
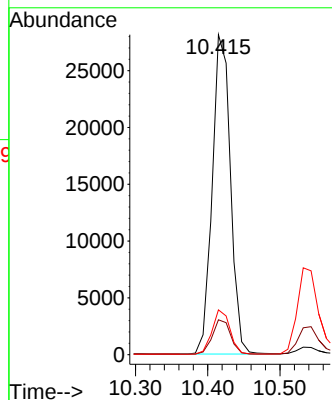
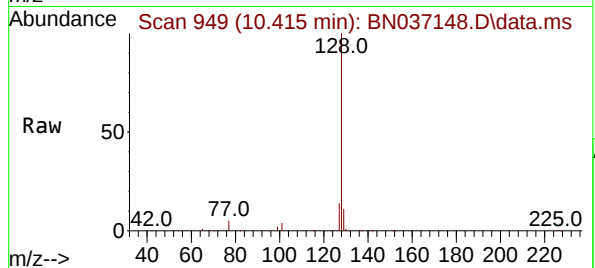




#9
Naphthalene
Concen: 3.232 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

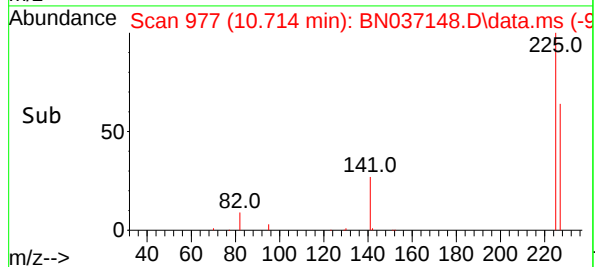
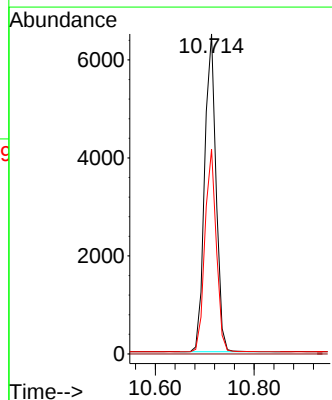
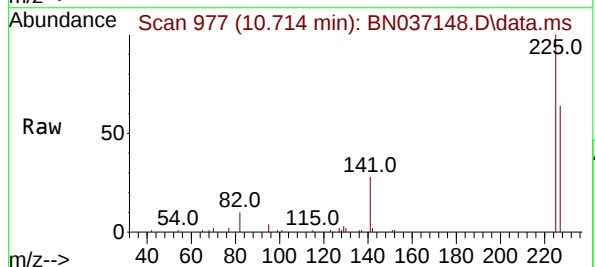
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

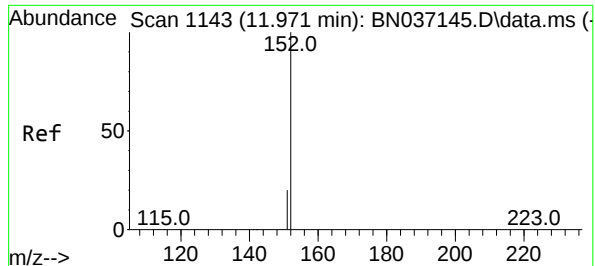
Tgt Ion	128	129	127
Resp:	49155		
Ion Ratio	100	10.9	14.0
Lower		9.8	12.3
Upper		14.8	18.5



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

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

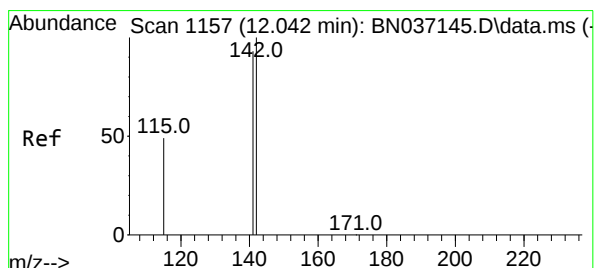
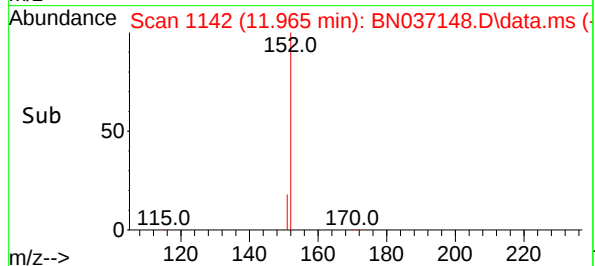
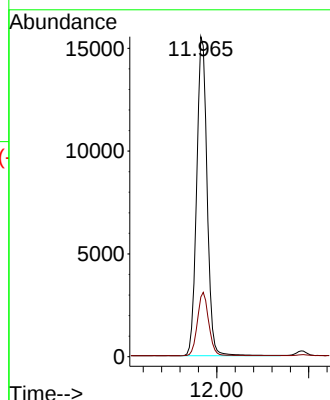
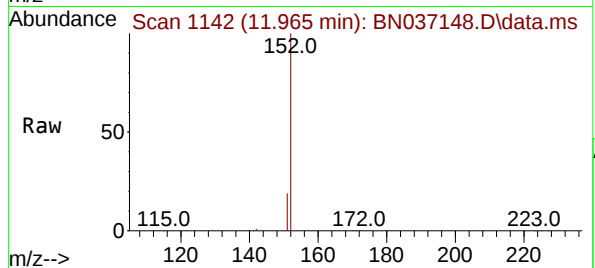




#11
2-Methylnaphthalene-d10
Concen: 3.317 ng
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

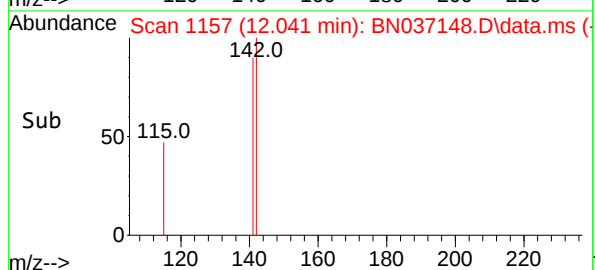
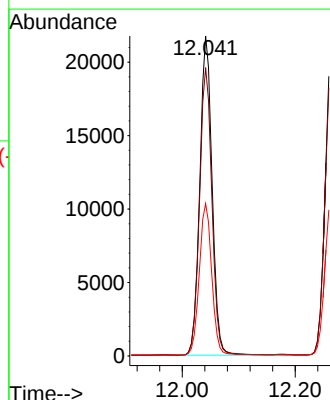
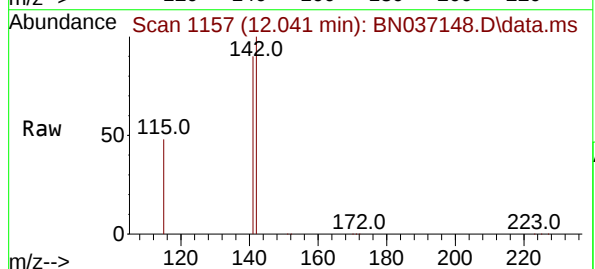
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

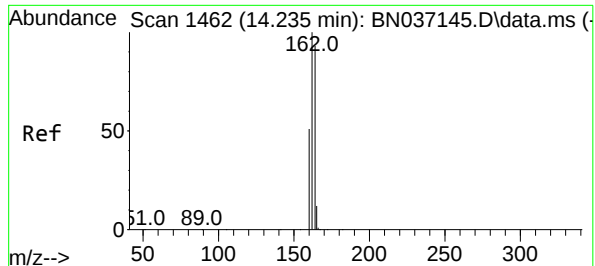
Tgt Ion:152 Resp: 24344
Ion Ratio Lower Upper
152 100
151 21.5 17.1 25.7



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

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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.234 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

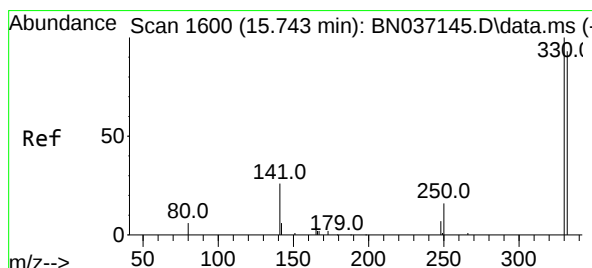
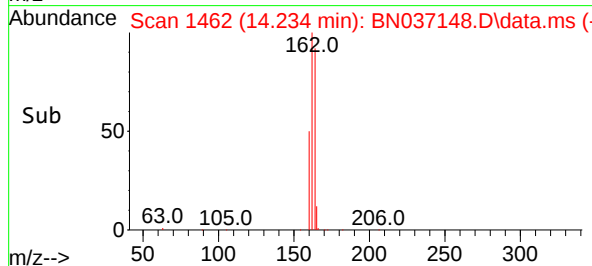
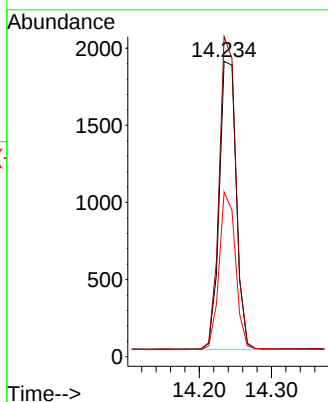
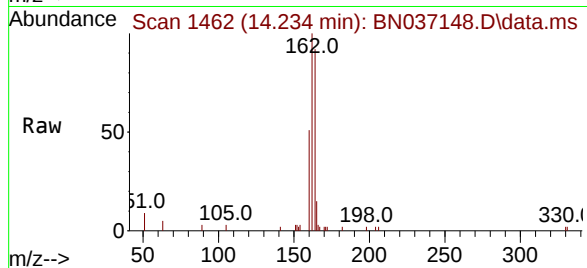
BNA_N

ClientSampleId :

SSTDICC3.2

Tgt Ion:164 Resp: 3042

Ion	Ratio	Lower	Upper
164	100		
162	108.4	85.5	128.3
160	55.8	44.6	67.0



#14

2,4,6-Tribromophenol

Concen: 3.611 ng

RT: 15.730 min Scan# 1599

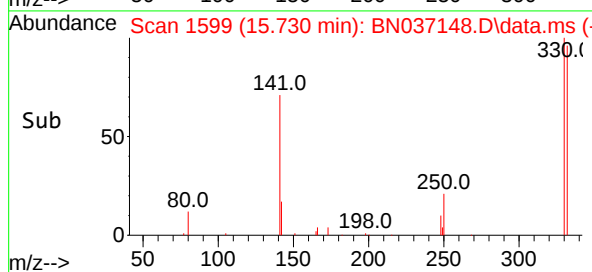
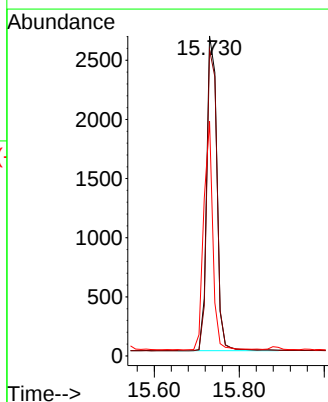
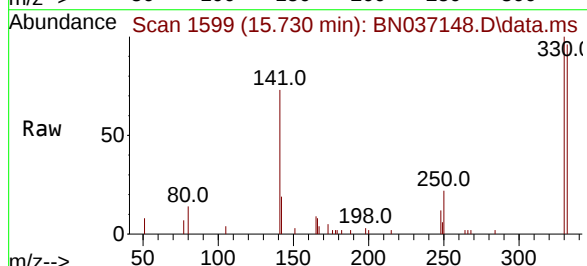
Delta R.T. -0.013 min

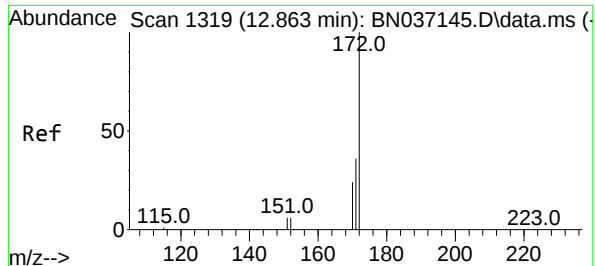
Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Tgt Ion:330 Resp: 4423

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	65.0	46.4	69.6

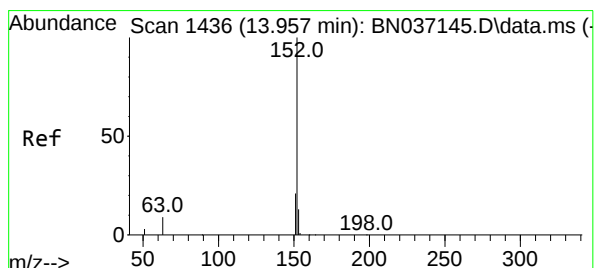
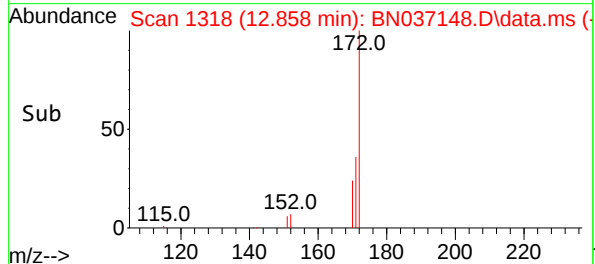
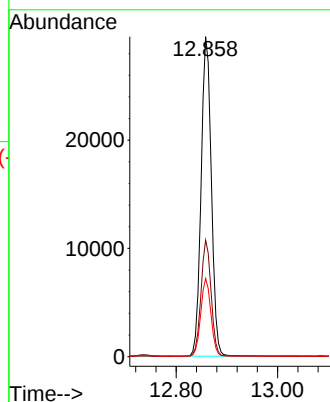
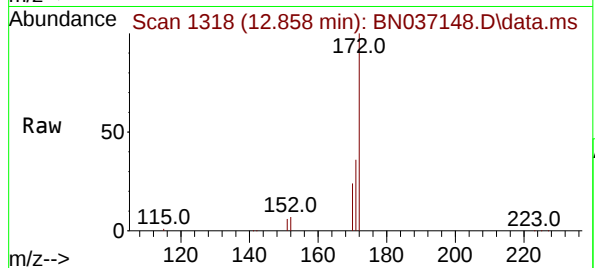




#15
2-Fluorobiphenyl
Concen: 3.201 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

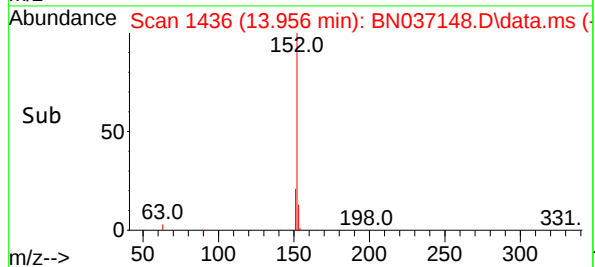
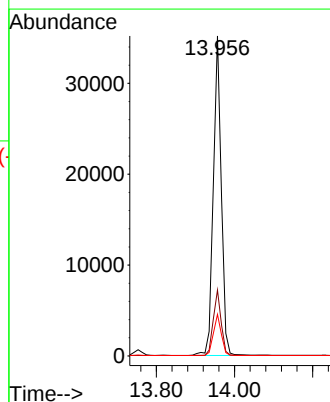
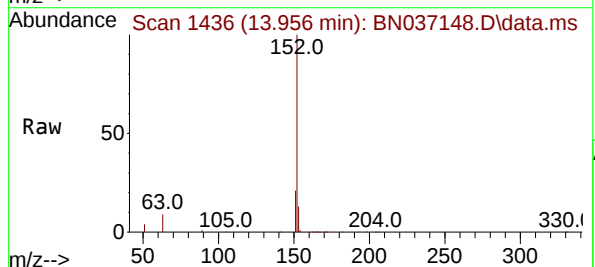
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

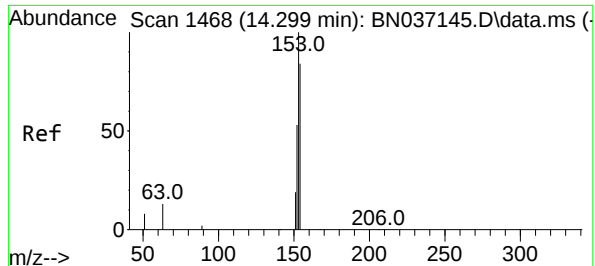
Tgt Ion:172 Resp: 41512
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.5 20.3 30.5



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

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





#17

Acenaphthene

Concen: 3.290 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

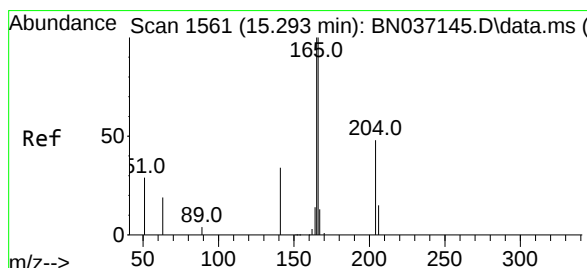
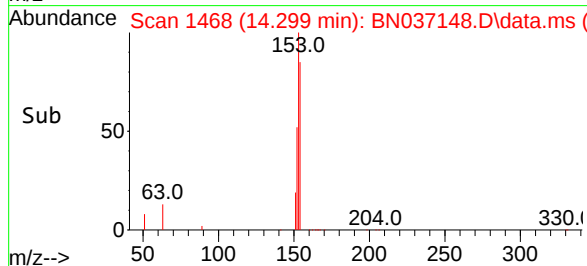
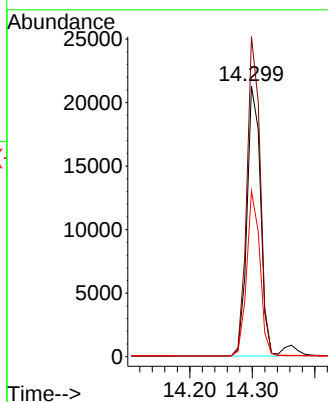
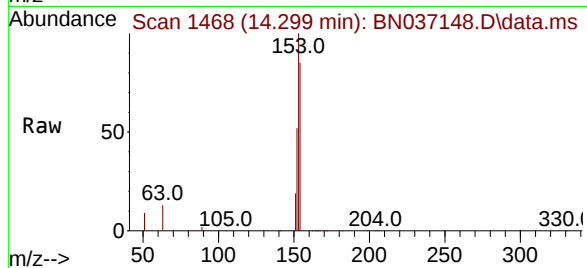
Tgt Ion:154 Resp: 31857

Ion Ratio Lower Upper

154 100

153 116.6 93.8 140.8

152 59.9 50.5 75.7



#18

Fluorene

Concen: 3.320 ng

RT: 15.293 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

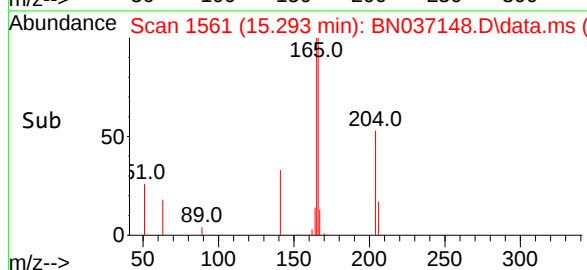
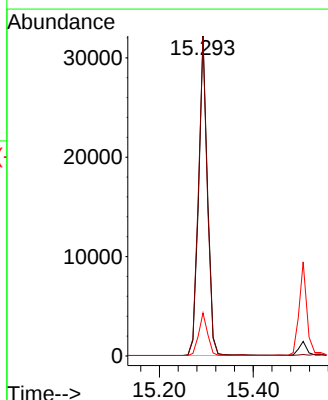
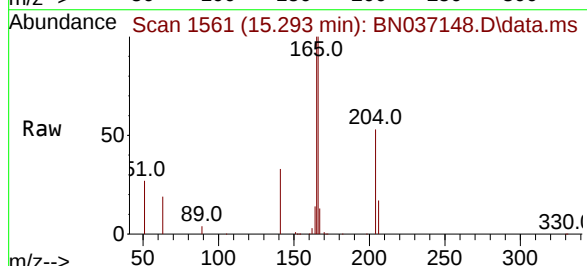
Tgt Ion:166 Resp: 42258

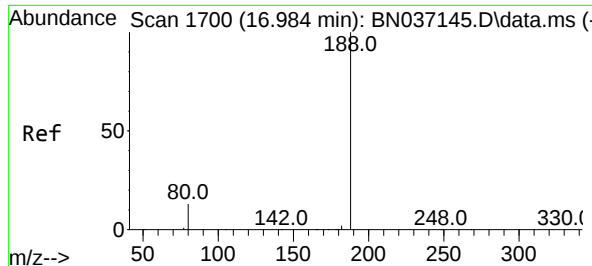
Ion Ratio Lower Upper

166 100

165 99.8 81.1 121.7

167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

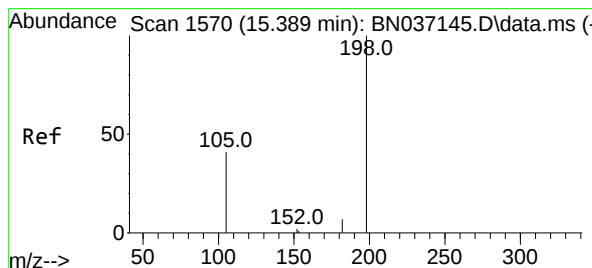
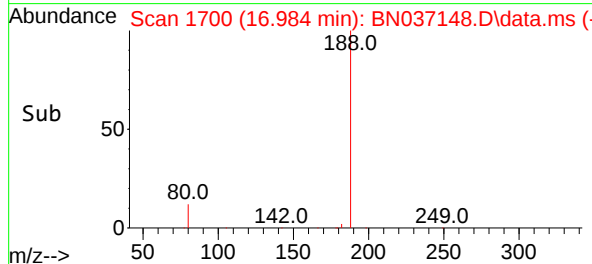
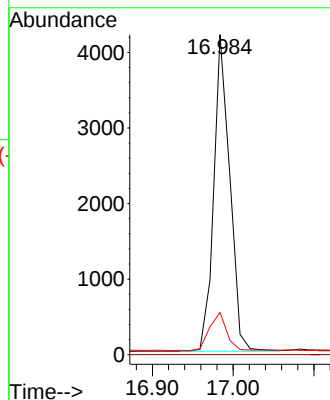
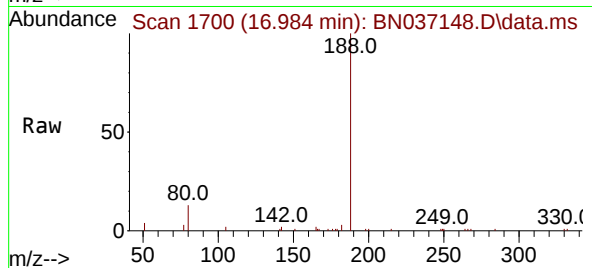
Tgt Ion:188 Resp: 5757

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 3.058 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

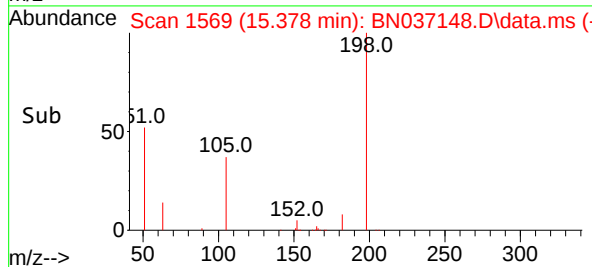
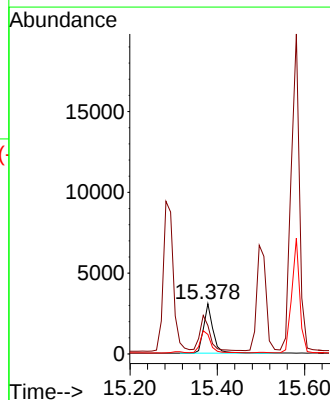
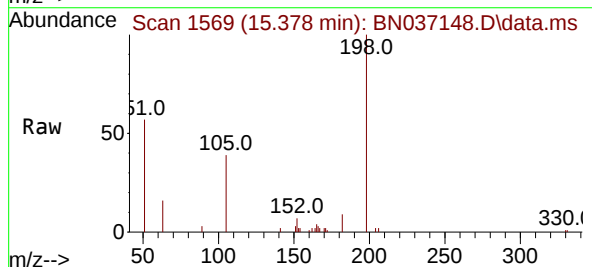
Tgt Ion:198 Resp: 4695

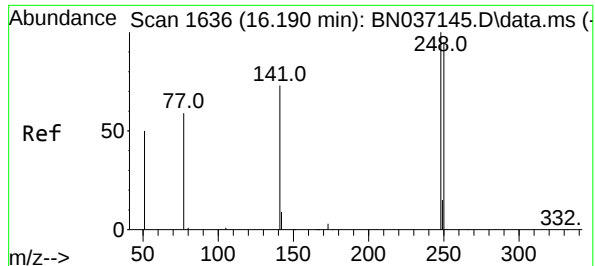
Ion Ratio Lower Upper

198 100

51 56.8 125.2 187.8#

105 38.9 57.1 85.7#

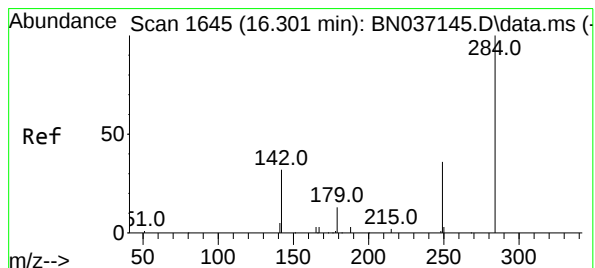
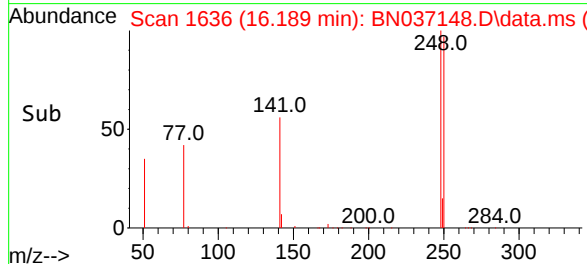
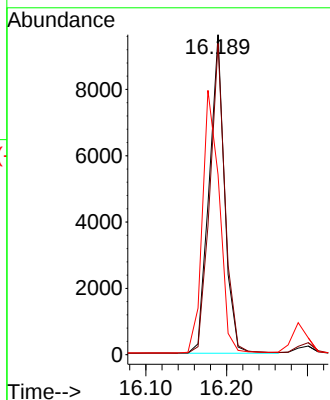
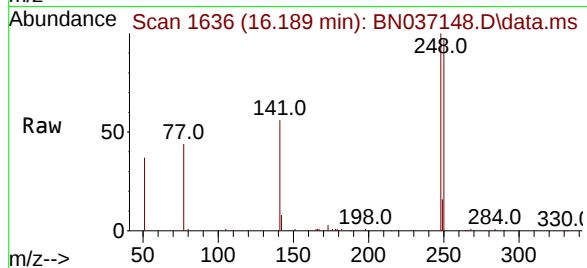




#21
4-Bromophenyl-phenylether
Concen: 3.369 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

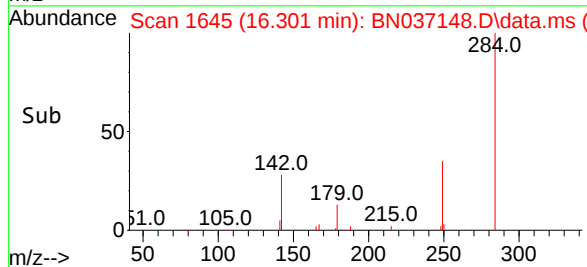
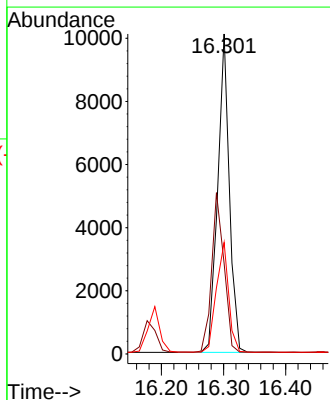
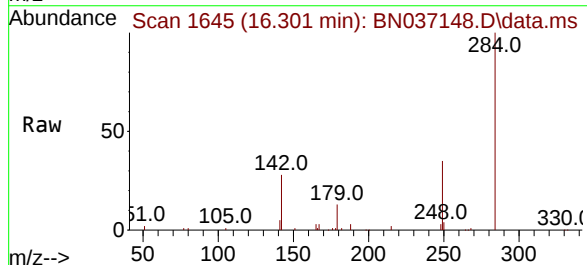
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

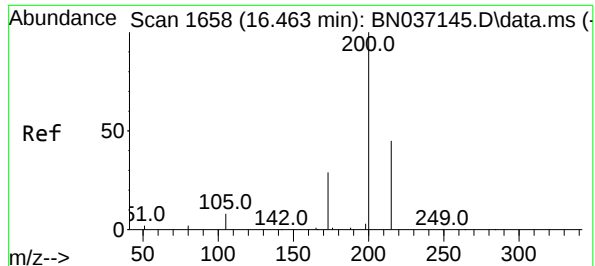
Tgt Ion:248 Resp: 12710
Ion Ratio Lower Upper
248 100
250 97.3 76.1 114.1
141 56.2 60.1 90.1#



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

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

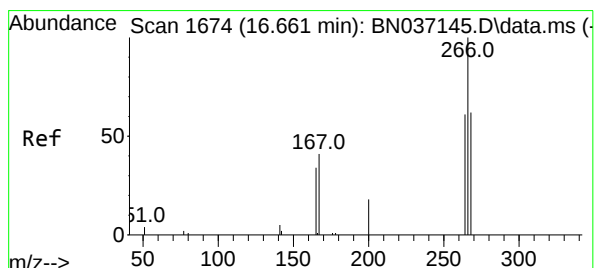
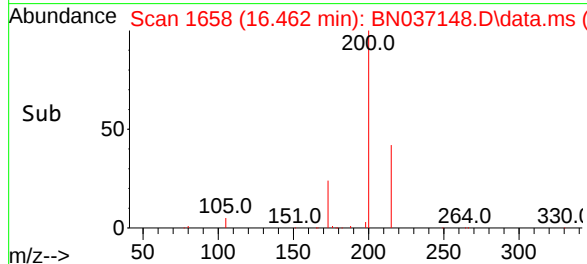
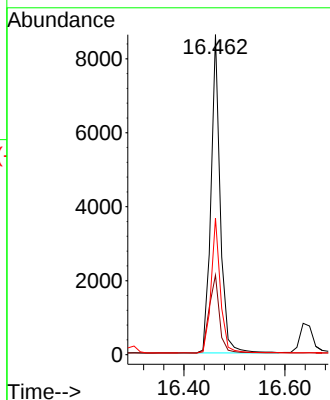
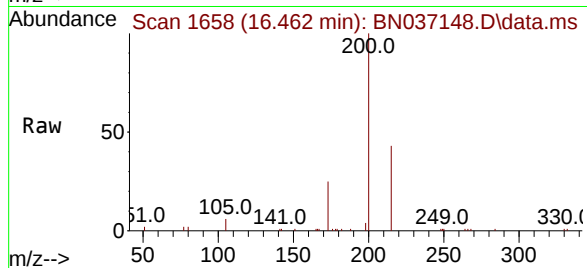




#23
Atrazine
Concen: 3.524 ng
RT: 16.462 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

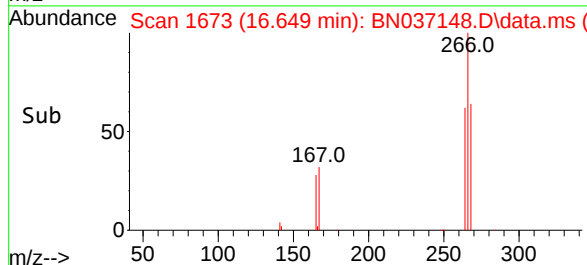
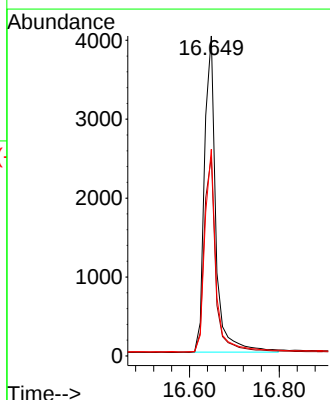
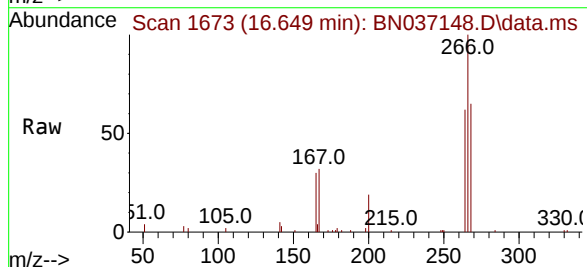
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

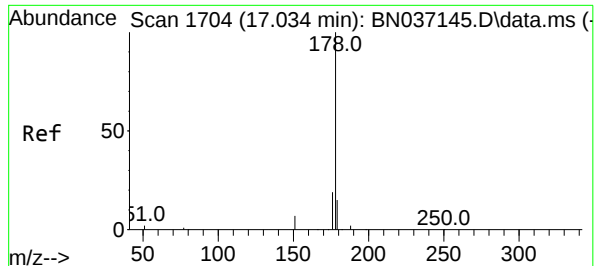
Tgt Ion:200 Resp: 10979
Ion Ratio Lower Upper
200 100
173 24.8 28.1 42.1#
215 42.7 39.3 58.9



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

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

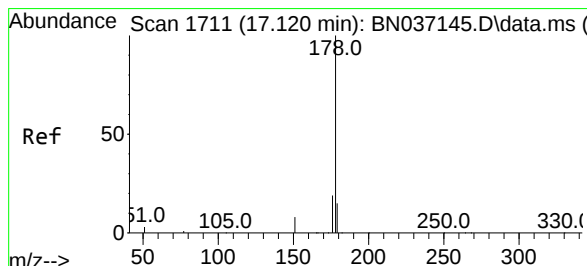
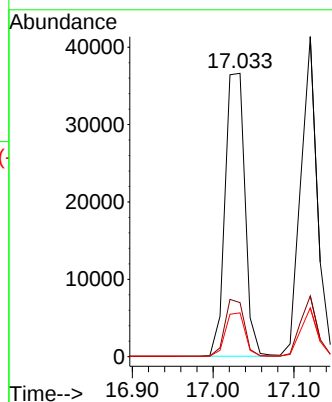
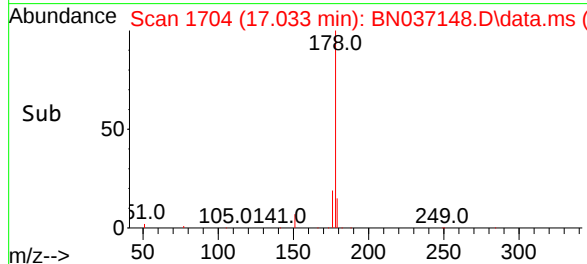
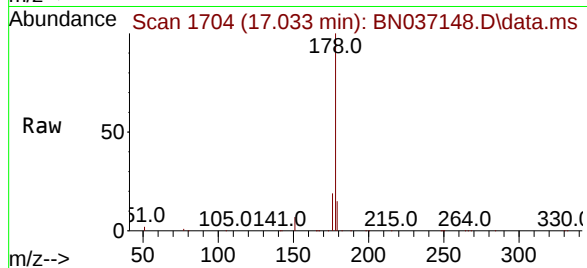




#25
Phenanthrene
Concen: 3.350 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

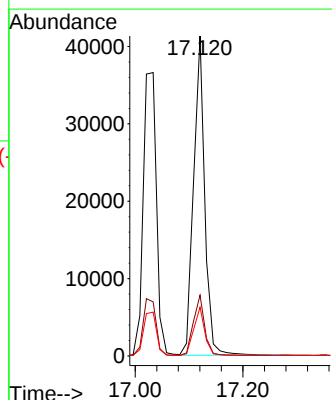
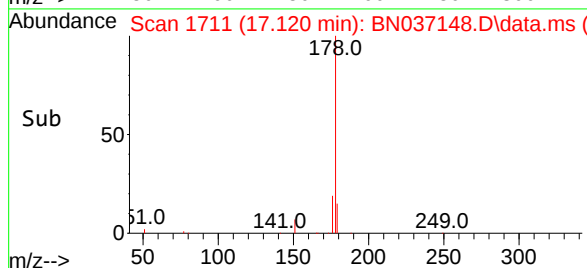
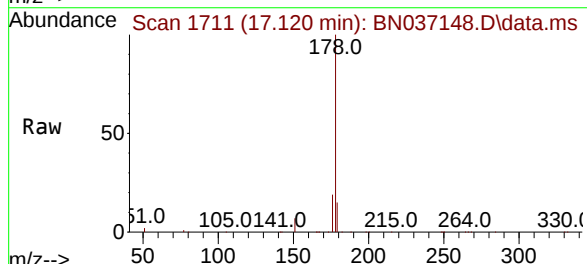
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

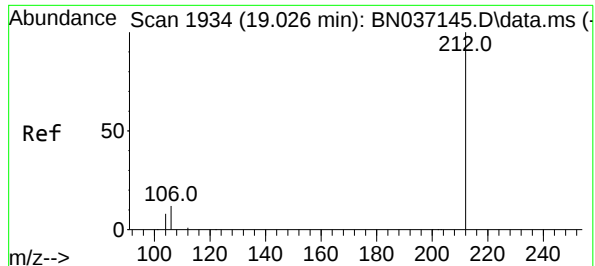
Tgt Ion:178 Resp: 62481
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.1 12.3 18.5



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

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





#27

Fluoranthene-d10

Concen: 3.373 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

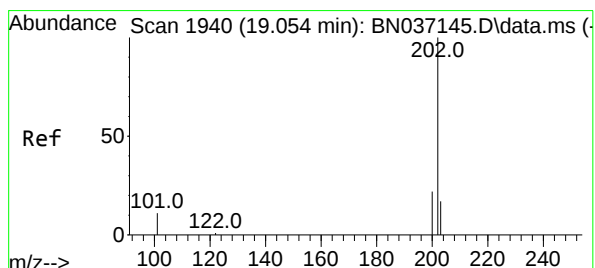
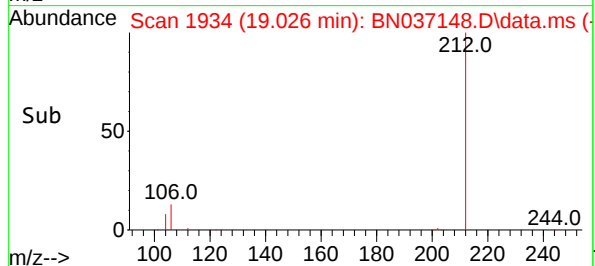
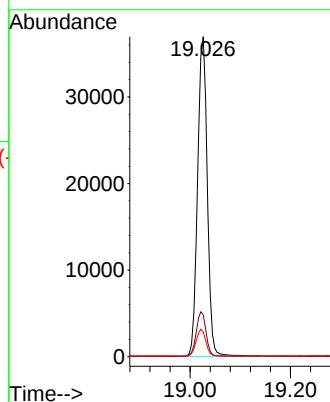
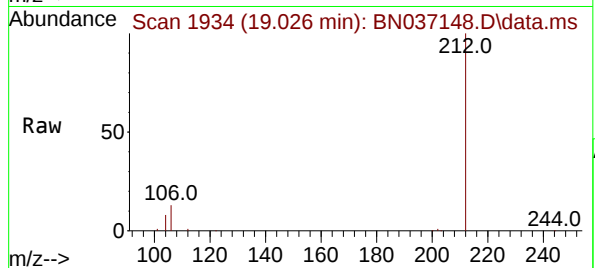
Tgt Ion:212 Resp: 49341

Ion Ratio Lower Upper

212 100

106 13.9 10.6 15.8

104 8.4 6.6 9.8



#28

Fluoranthene

Concen: 3.495 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

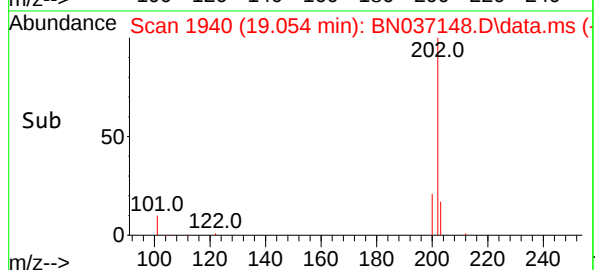
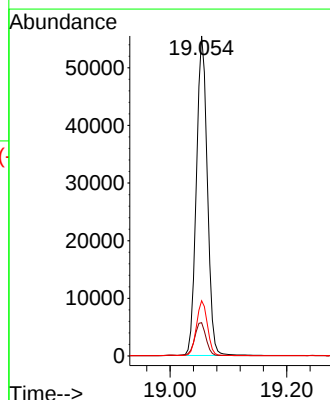
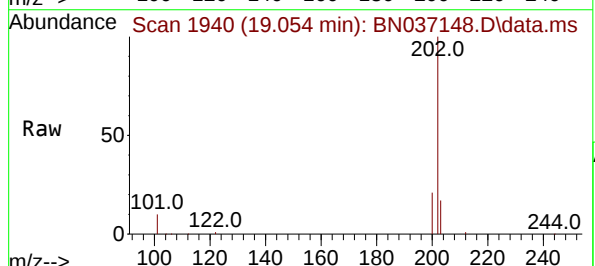
Tgt Ion:202 Resp: 72004

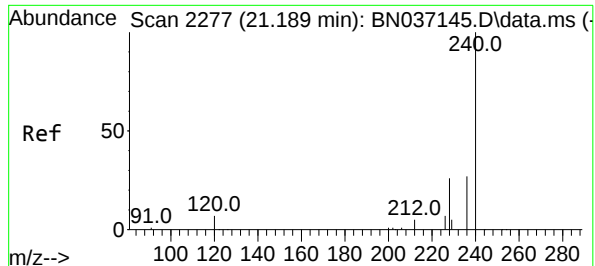
Ion Ratio Lower Upper

202 100

101 10.9 8.7 13.1

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

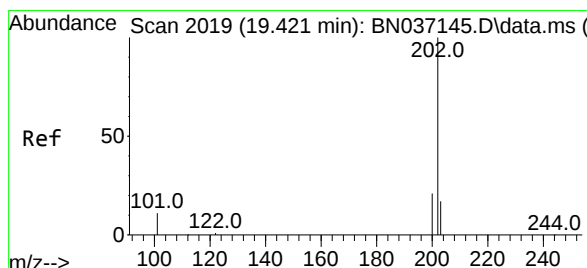
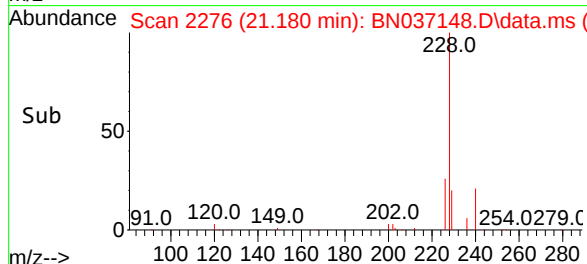
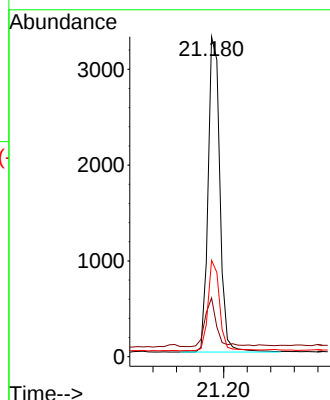
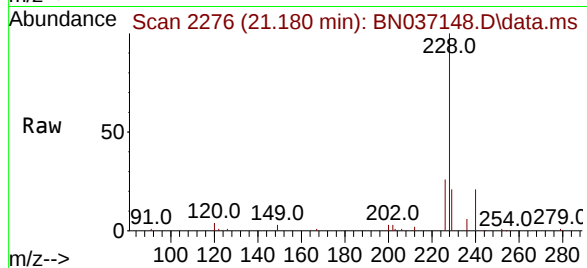
Tgt Ion:240 Resp: 4564

Ion Ratio Lower Upper

240 100

120 18.4 9.0 13.4#

236 30.1 23.0 34.4



#30

Pyrene

Concen: 3.205 ng

RT: 19.416 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

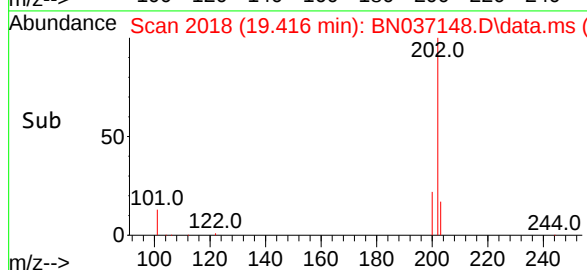
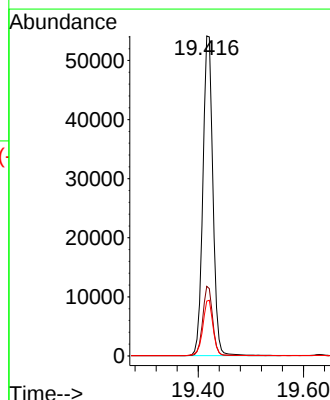
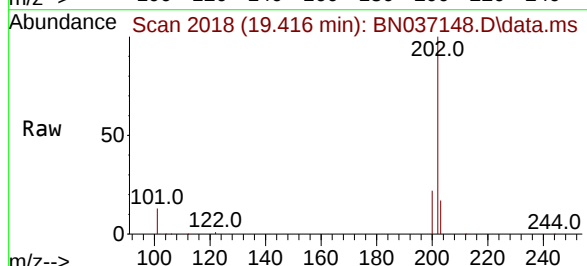
Tgt Ion:202 Resp: 71397

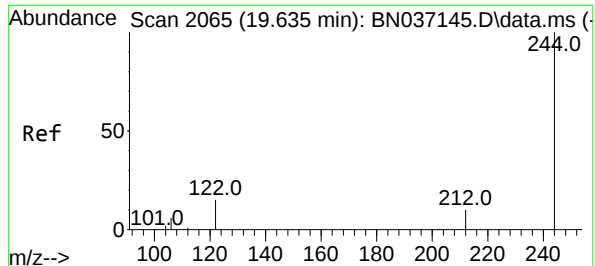
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.7 14.2 21.4

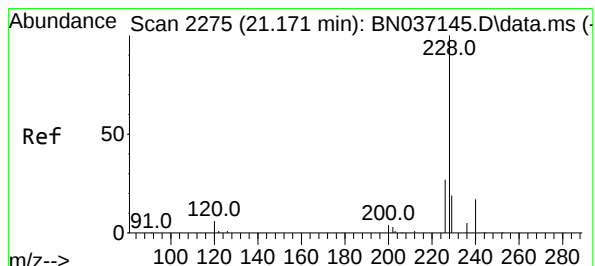
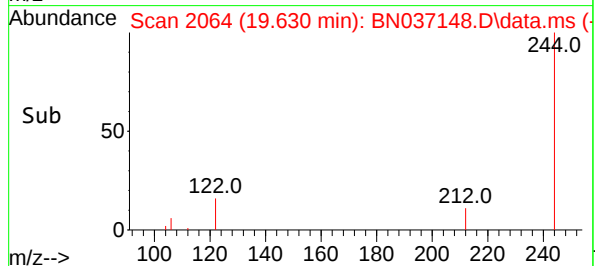
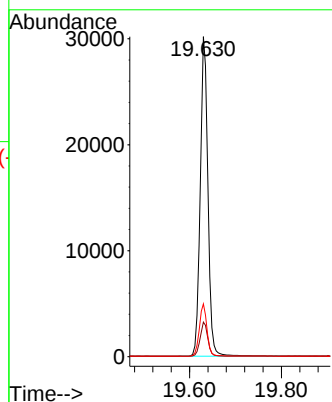
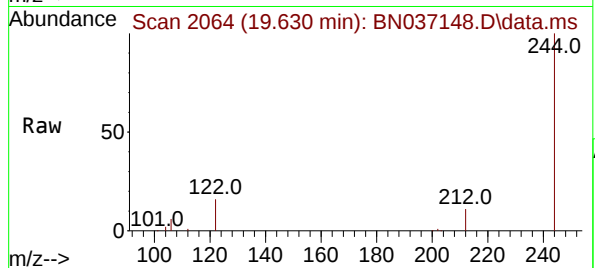




#31
Terphenyl-d14
Concen: 3.237 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037148.D
Acq: 03 Jun 2025 14:38

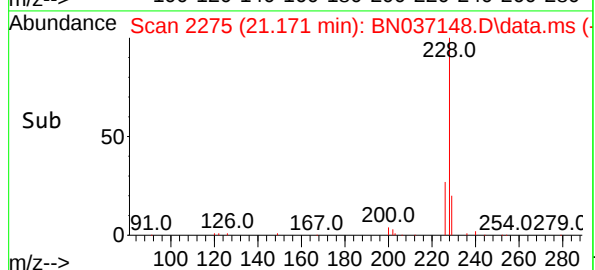
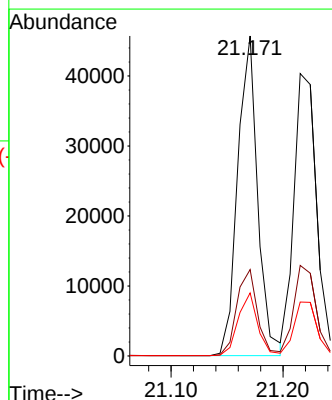
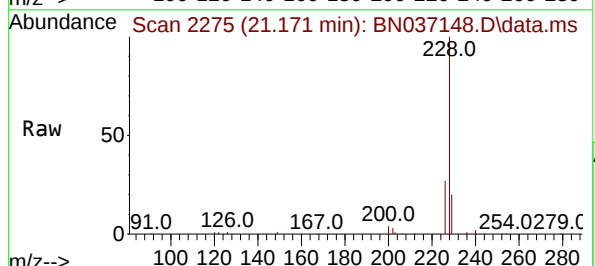
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

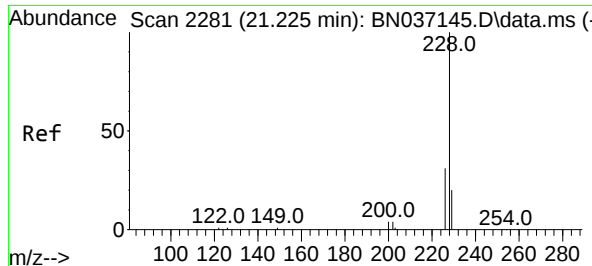
Tgt Ion:244 Resp: 34773
Ion Ratio Lower Upper
244 100
212 10.8 10.0 15.0
122 16.5 13.2 19.8



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

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





#33

Chrysene

Concen: 3.144 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

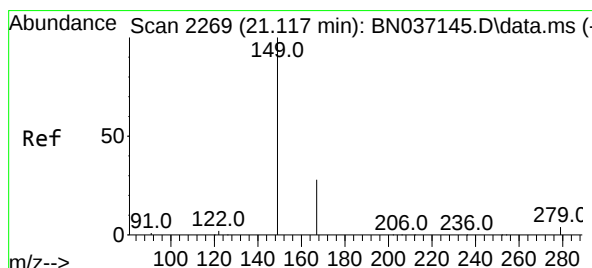
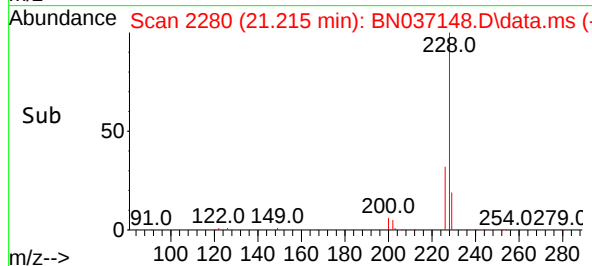
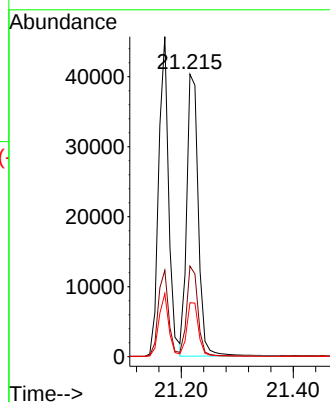
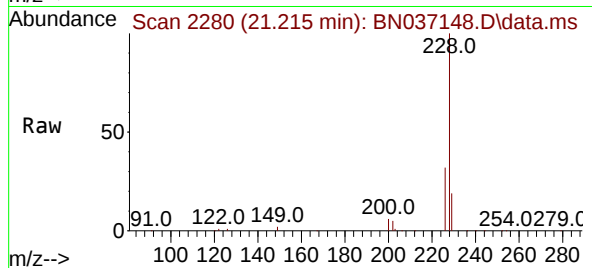
Tgt Ion:228 Resp: 57833

Ion Ratio Lower Upper

228 100

226 32.0 25.2 37.8

229 19.1 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.201 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

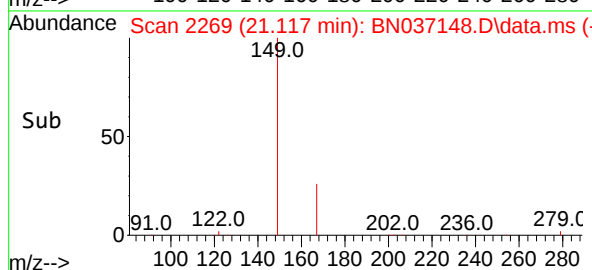
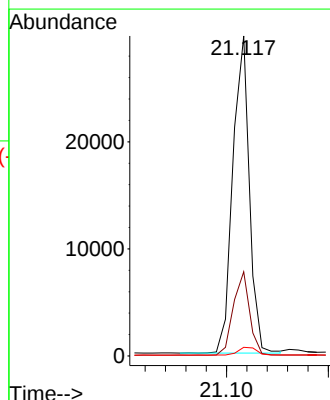
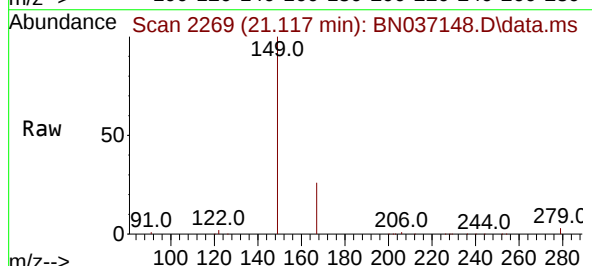
Tgt Ion:149 Resp: 33369

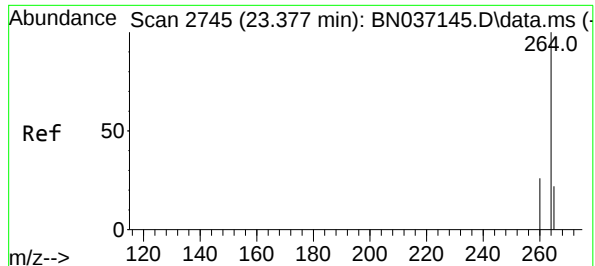
Ion Ratio Lower Upper

149 100

167 25.9 21.0 31.4

279 2.8 2.9 4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037148.D

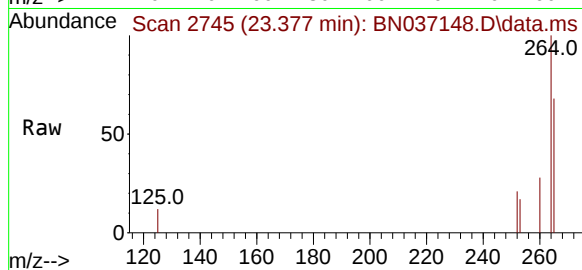
Acq: 03 Jun 2025 14:38

Instrument :

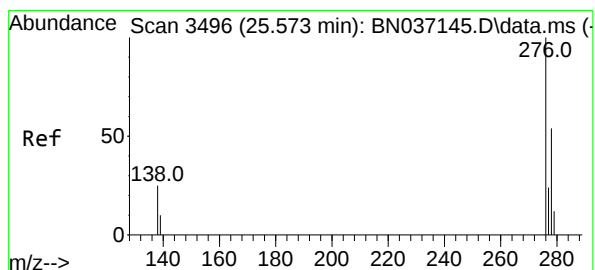
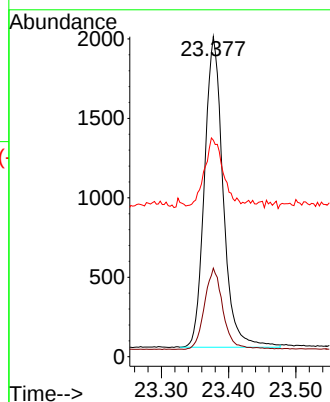
BNA_N

ClientSampleId :

SSTDICC3.2



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



#36

Indeno(1,2,3-cd)pyrene

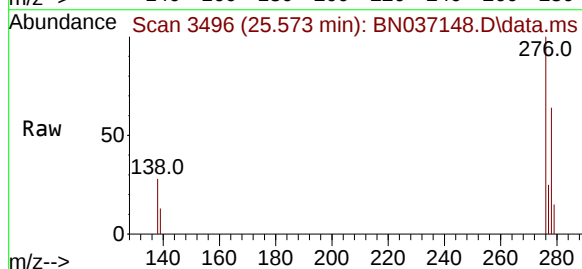
Concen: 3.364 ng

RT: 25.573 min Scan# 3496

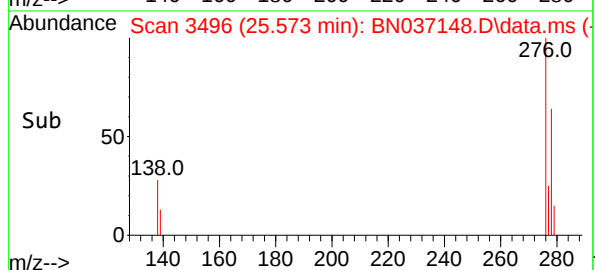
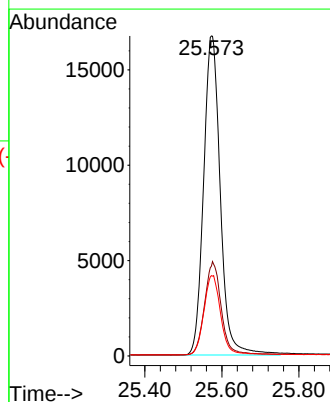
Delta R.T. -0.000 min

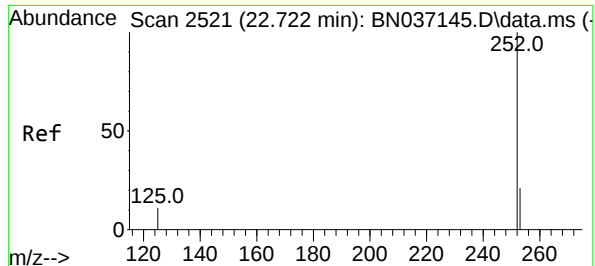
Lab File: BN037148.D

Acq: 03 Jun 2025 14:38



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





#37

Benzo(b)fluoranthene

Concen: 3.395 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

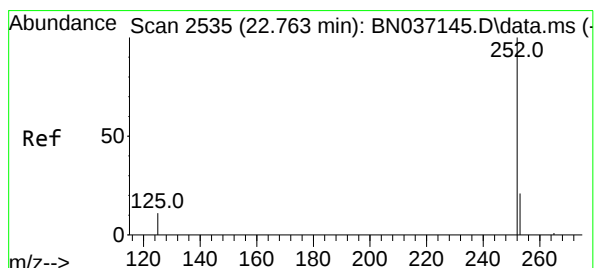
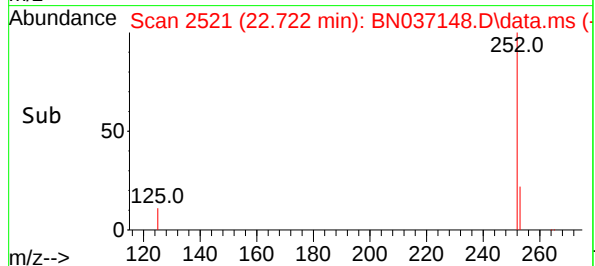
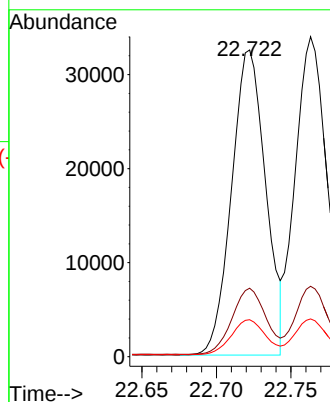
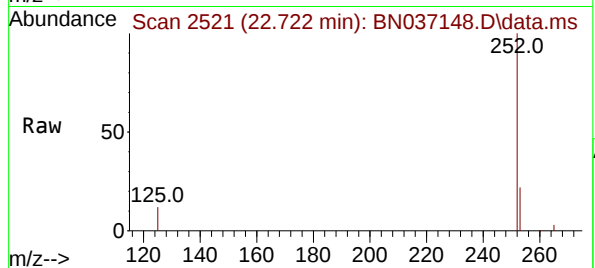
Tgt Ion:252 Resp: 51531

Ion Ratio Lower Upper

252 100

253 22.3 22.3 33.5

125 12.0 13.2 19.8#



#38

Benzo(k)fluoranthene

Concen: 3.384 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

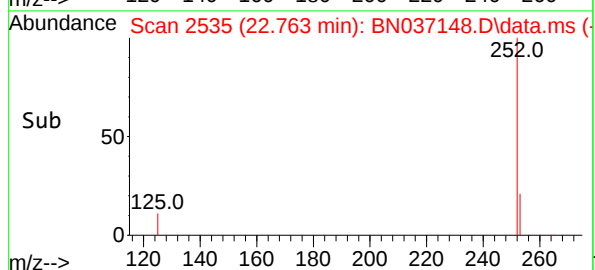
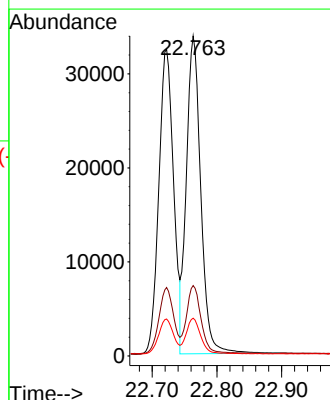
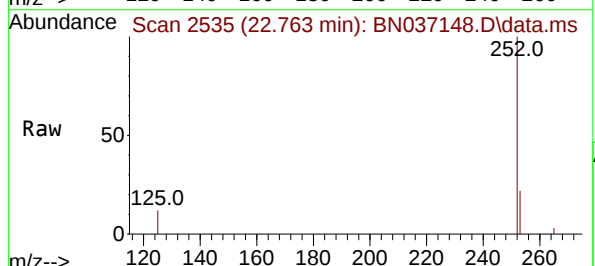
Tgt Ion:252 Resp: 52430

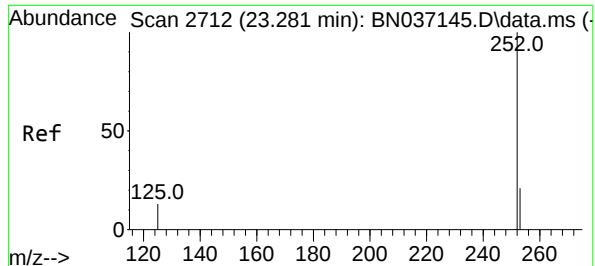
Ion Ratio Lower Upper

252 100

253 22.0 22.2 33.4#

125 11.8 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 3.374 ng

RT: 23.281 min Scan# 2712

Delta R.T. -0.000 min

Lab File: BN037148.D

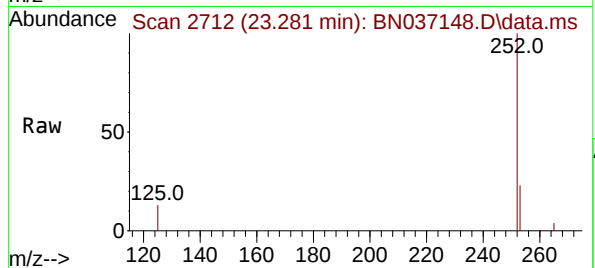
Acq: 03 Jun 2025 14:38

Instrument :

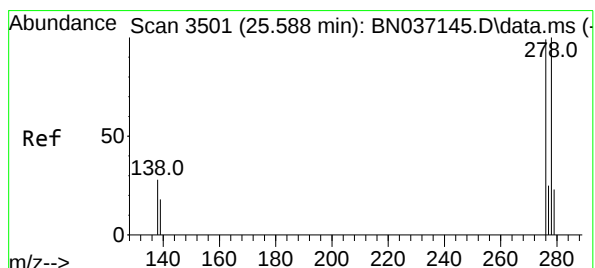
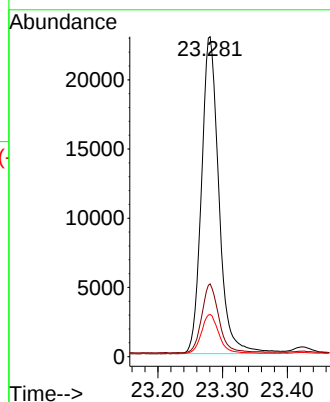
BNA_N

ClientSampleId :

SSTDICC3.2



Tgt Ion:	252	Resp:	42893
Ion Ratio	Lower	Upper	
252	100		
253	22.8	25.0	37.4#
125	13.2	17.0	25.6#



#40

Dibenzo(a,h)anthracene

Concen: 3.474 ng

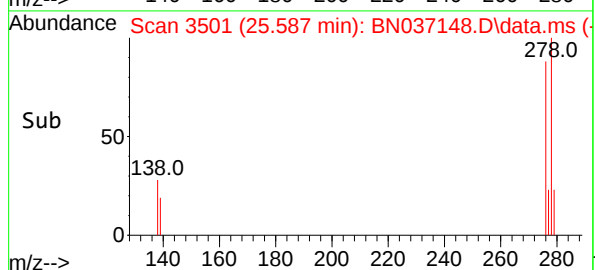
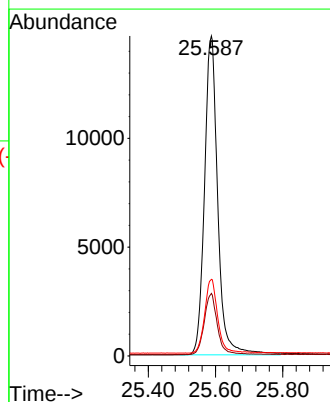
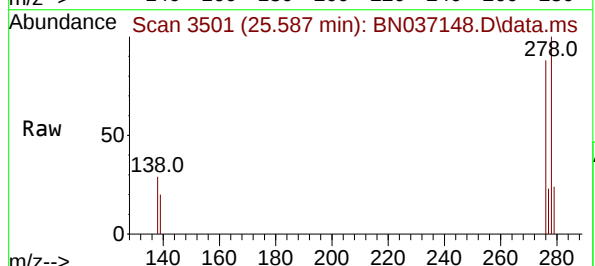
RT: 25.587 min Scan# 3501

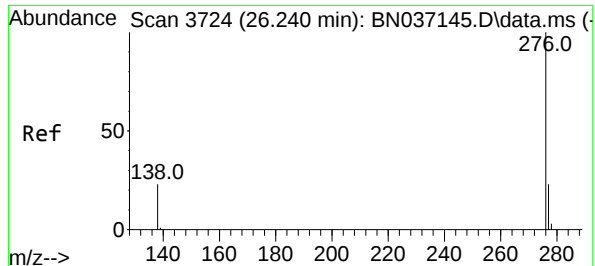
Delta R.T. -0.000 min

Lab File: BN037148.D

Acq: 03 Jun 2025 14:38

Tgt Ion:	278	Resp:	40079
Ion Ratio	Lower	Upper	
278	100		
139	19.6	17.6	26.4
279	23.9	26.0	39.0#





#41

Benzo(g,h,i)perylene

Concen: 3.233 ng

RT: 26.239 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037148.D

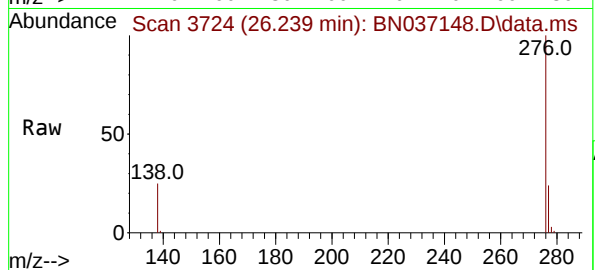
Acq: 03 Jun 2025 14:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



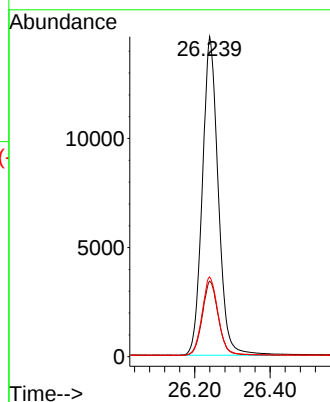
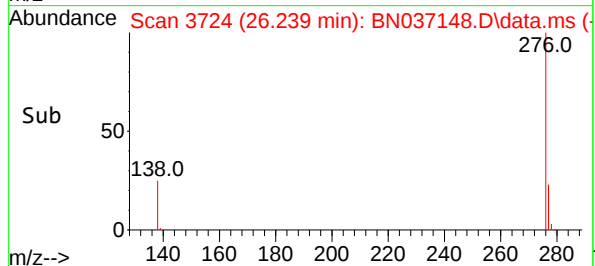
Tgt Ion:276 Resp: 42842

Ion Ratio Lower Upper

276 100

277 23.6 20.9 31.3

138 24.9 20.8 31.2



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

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

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

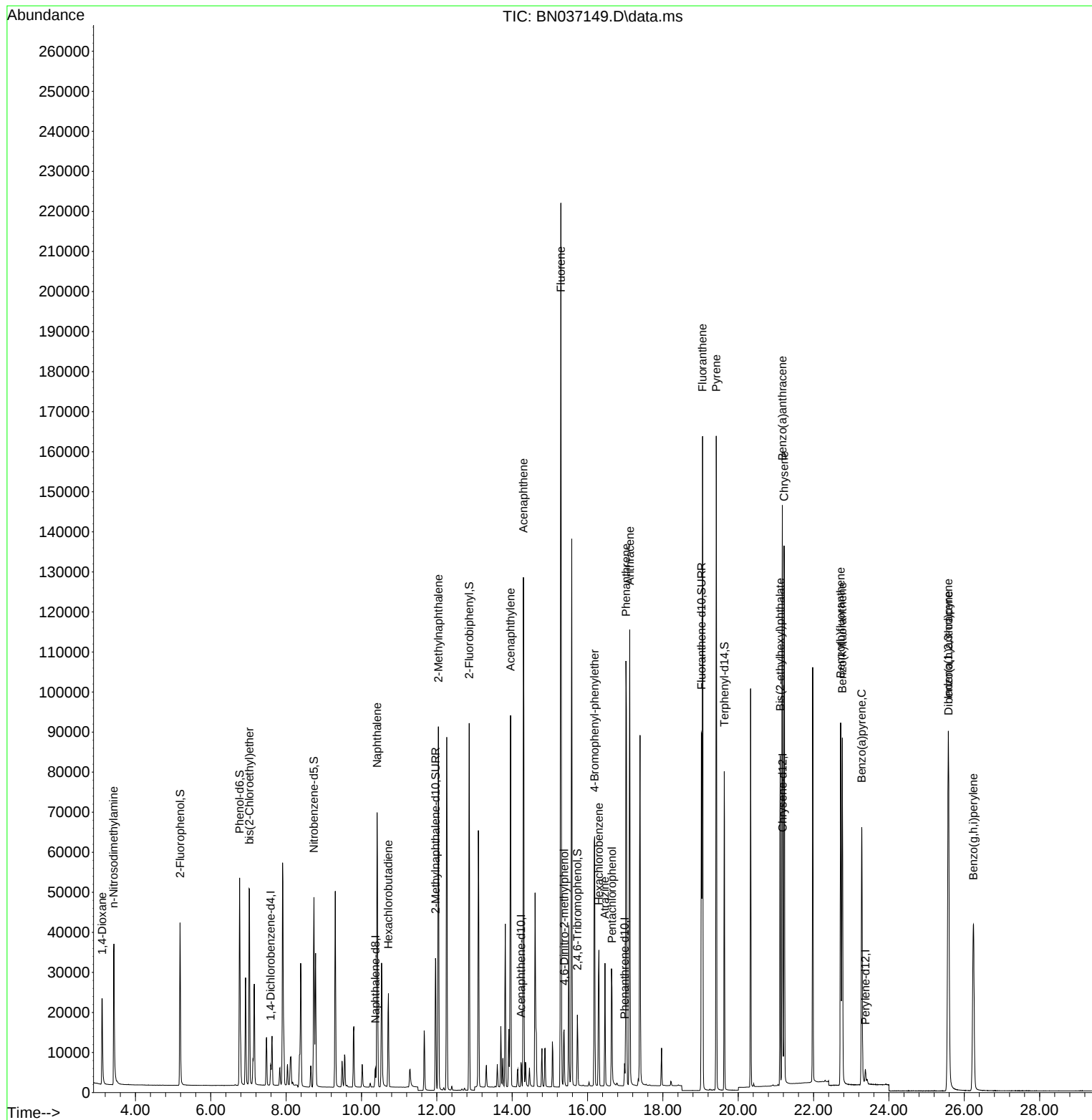
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2274	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5863	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	3467	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	6764	0.400	ng	0.00
29) Chrysene-d12	21.180	240	5784	0.400	ng	# 0.00
35) Perylene-d12	23.374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

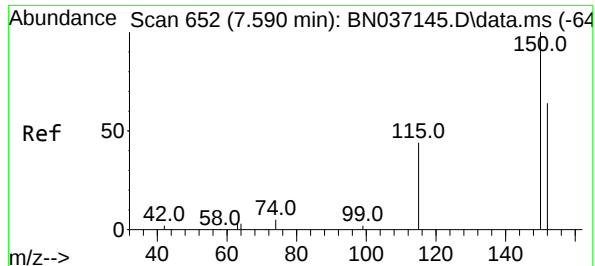
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

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

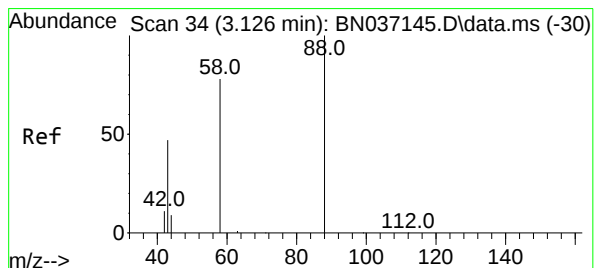
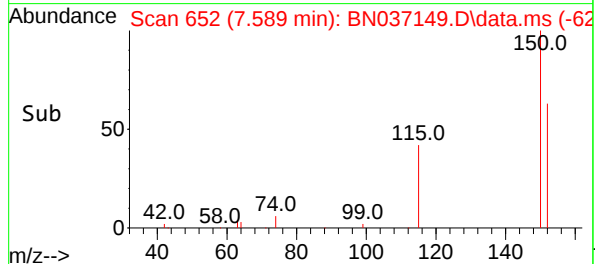
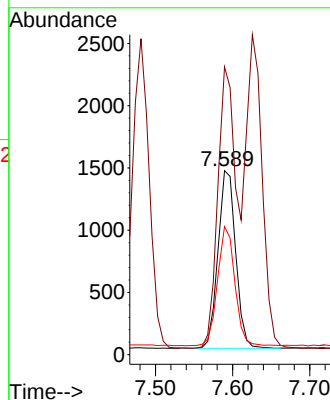
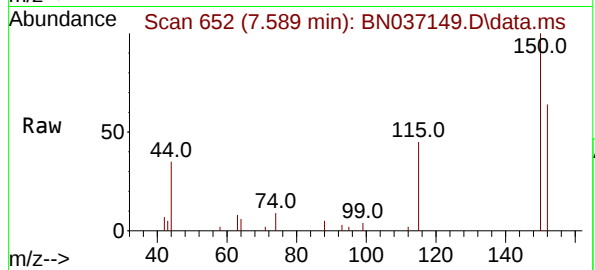




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

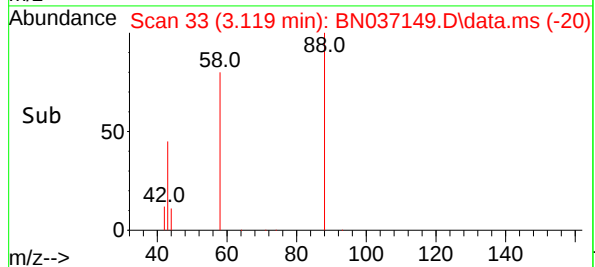
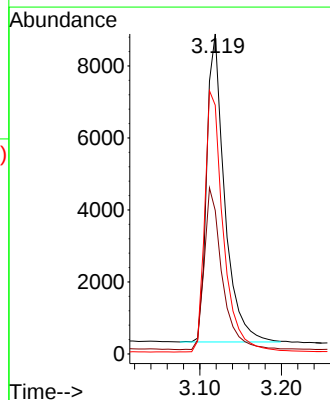
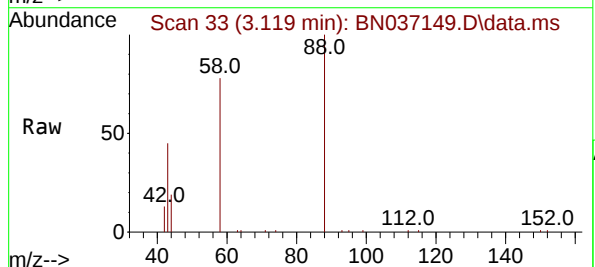
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

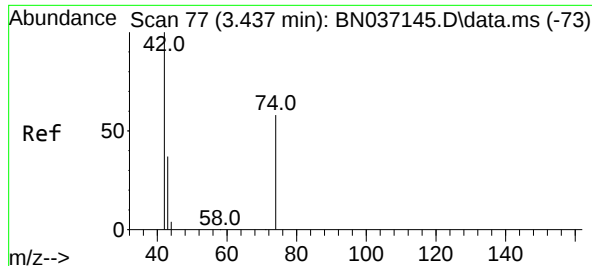
Tgt Ion:152 Resp: 2274
Ion Ratio Lower Upper
152 100
150 156.4 123.2 184.8
115 69.7 56.6 85.0



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

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

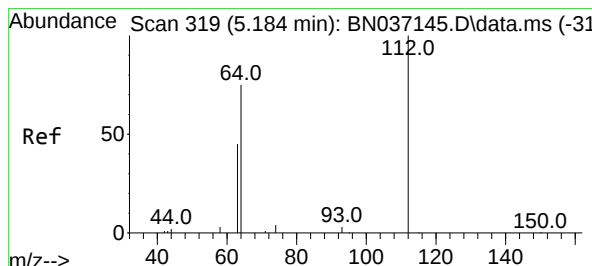
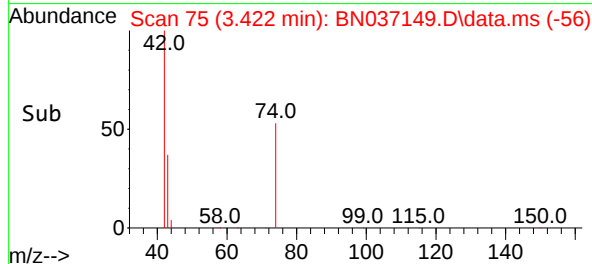
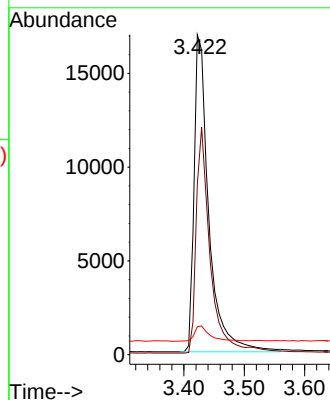
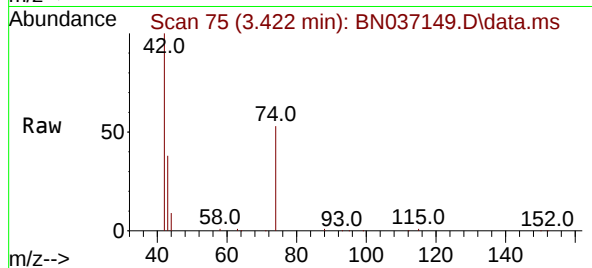




#3
n-Nitrosodimethylamine
Concen: 4.724 ng
RT: 3.422 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

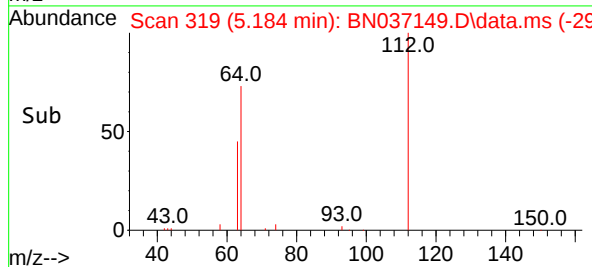
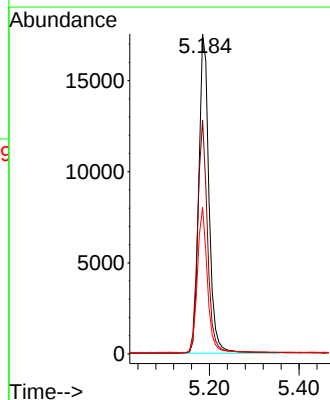
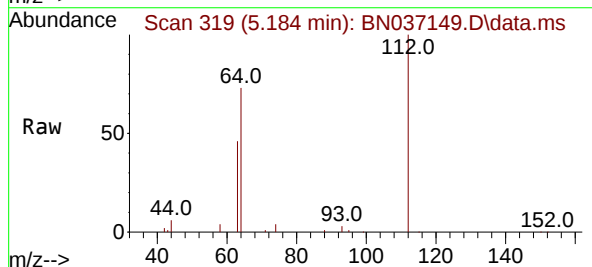
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

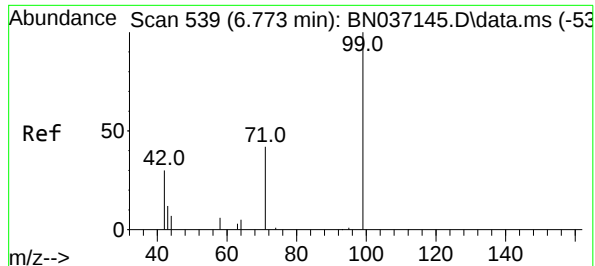
Tgt Ion: 42 Resp: 28752
Ion Ratio Lower Upper
42 100
74 68.0 53.0 79.4
44 5.0 5.9 8.9#



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

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

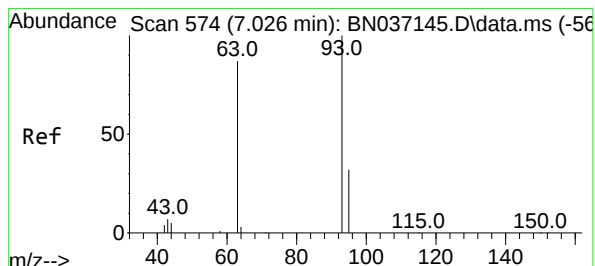
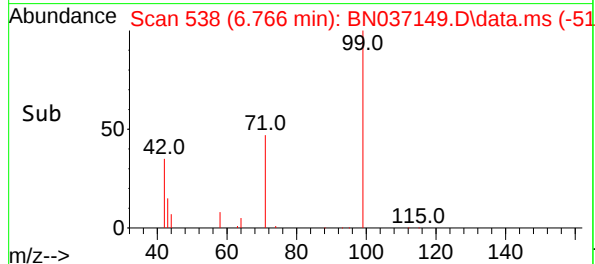
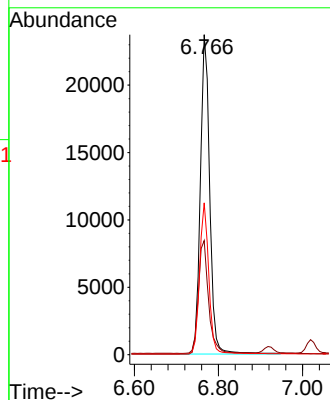
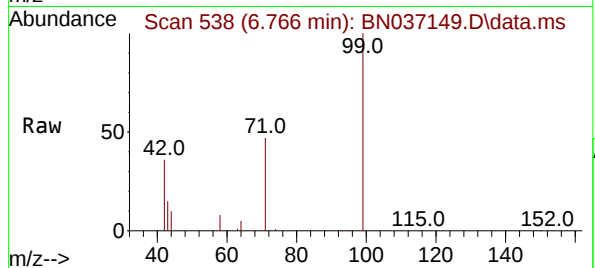




#5
Phenol-d6
Concen: 5.359 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

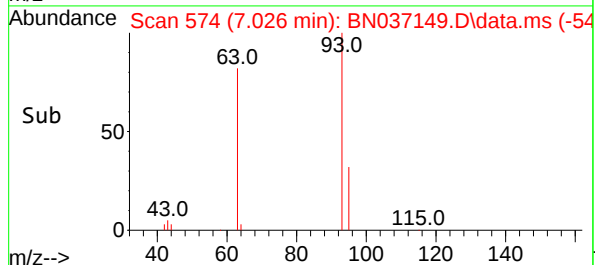
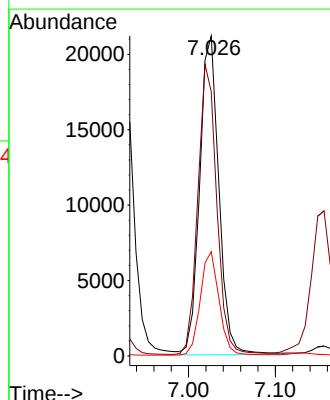
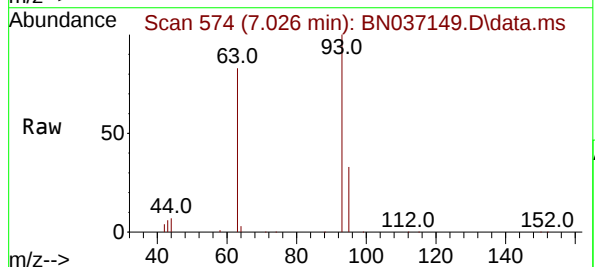
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

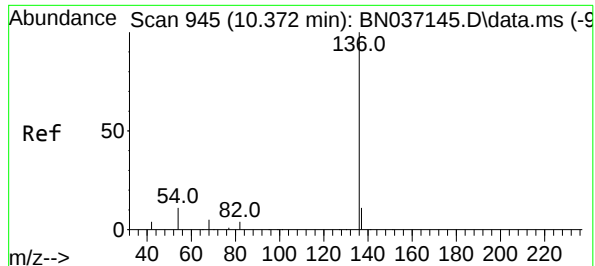
Tgt Ion: 99 Resp: 36531
Ion Ratio Lower Upper
99 100
42 38.3 31.3 46.9
71 46.9 38.2 57.2



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

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

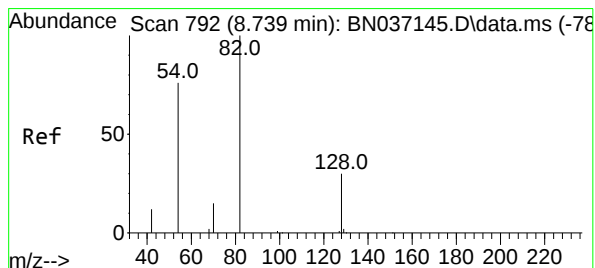
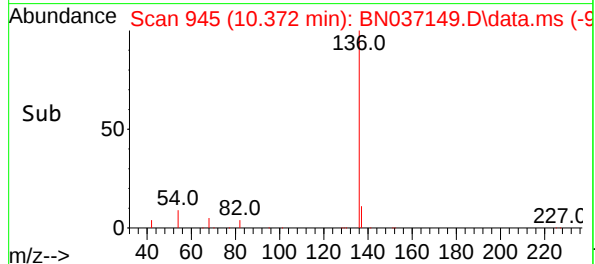
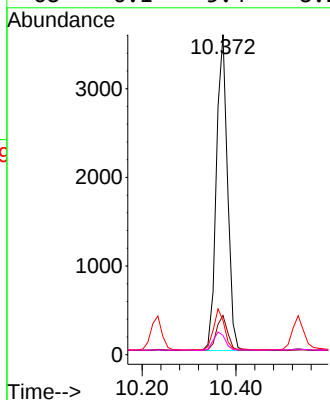
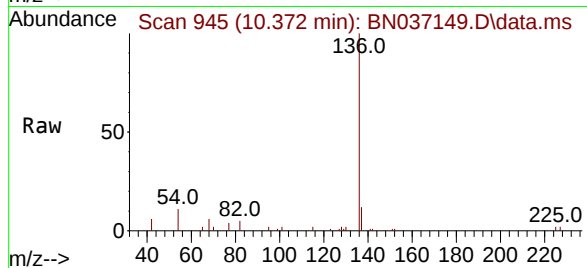




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

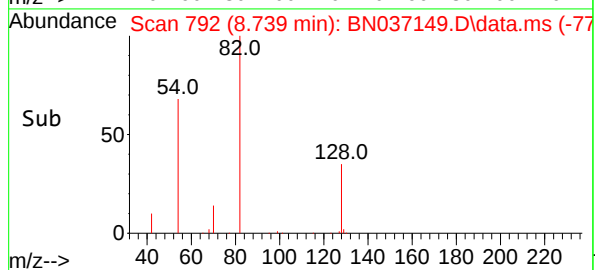
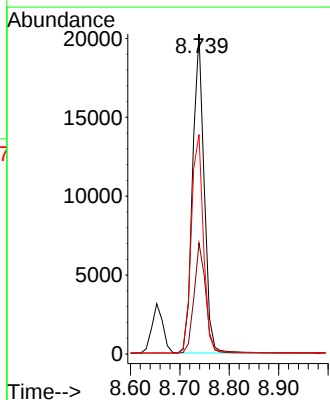
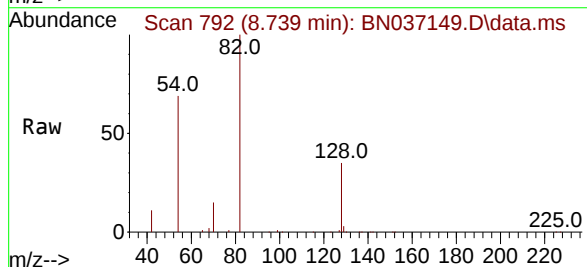
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

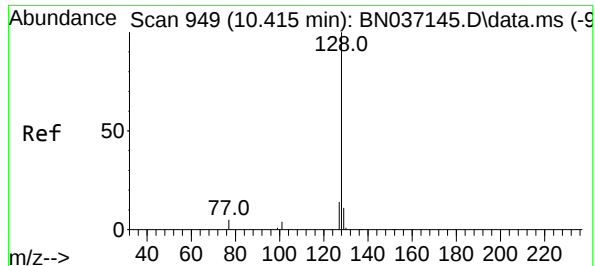
Tgt Ion:	136	Resp:	5863
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	10.7	9.7	14.5
68	6.1	5.4	8.2



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

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

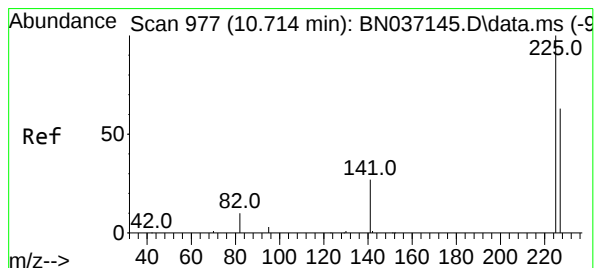
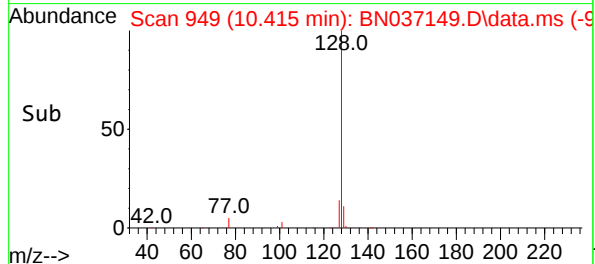
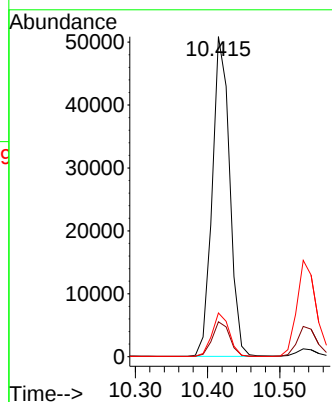
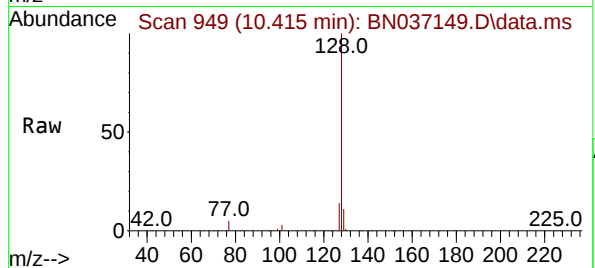




#9
Naphthalene
Concen: 5.024 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

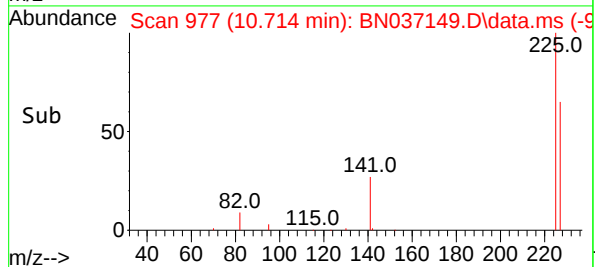
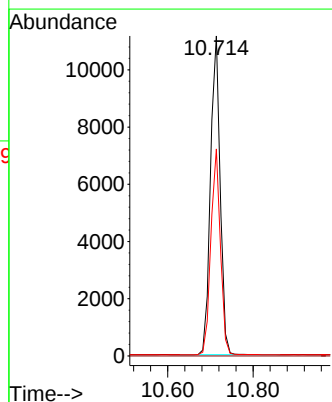
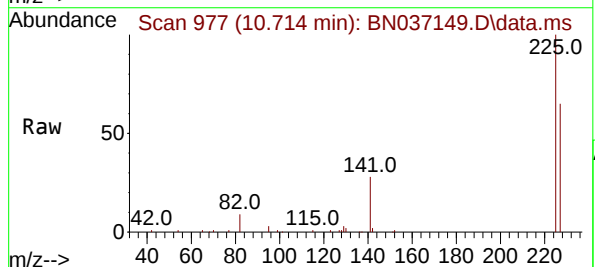
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

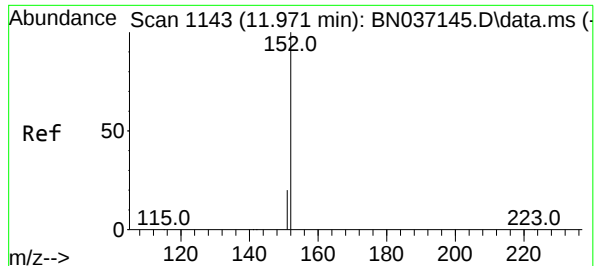
Tgt Ion	128	129	127
Resp:	84983		
Ion Ratio	100	10.9	13.6
Lower		9.8	12.3
Upper		14.8	18.5



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

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

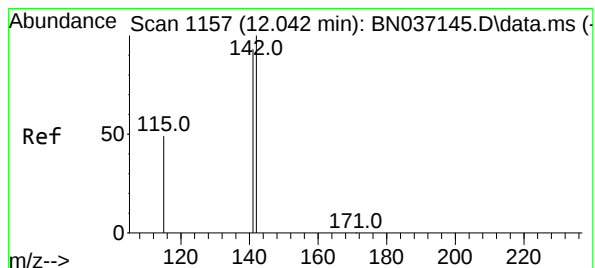
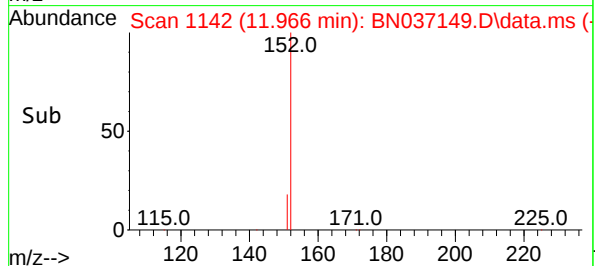
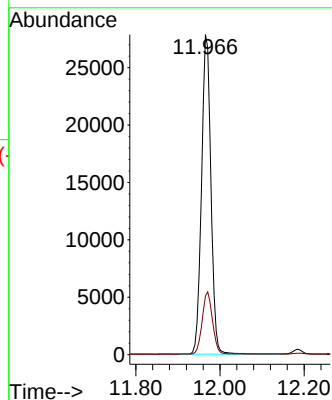
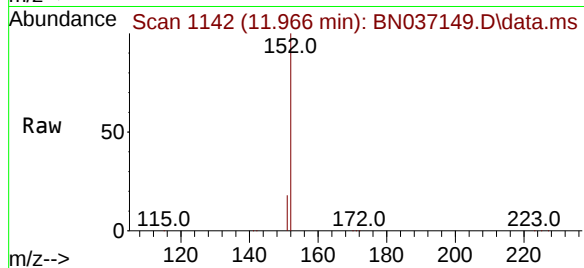




#11
2-Methylnaphthalene-d10
Concen: 5.283 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

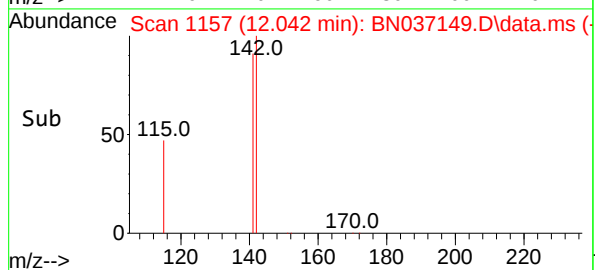
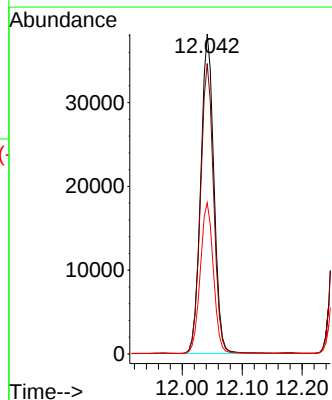
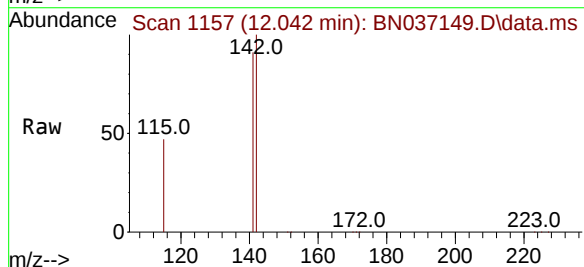
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

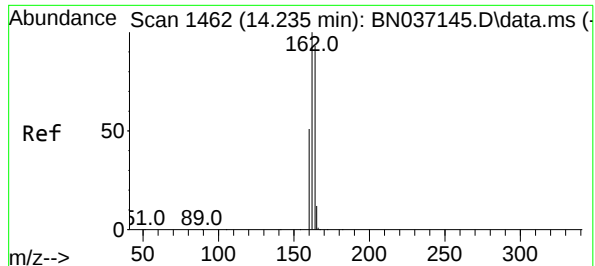
Tgt Ion:152 Resp: 43118
Ion Ratio Lower Upper
152 100
151 21.3 17.1 25.7



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

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

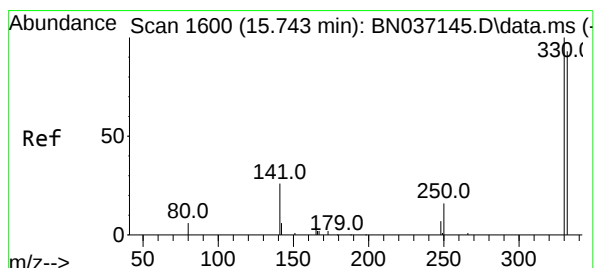
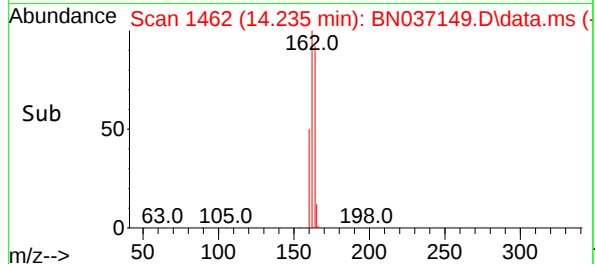
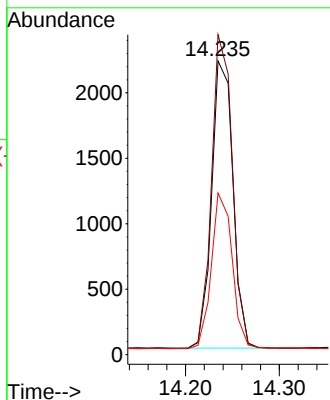
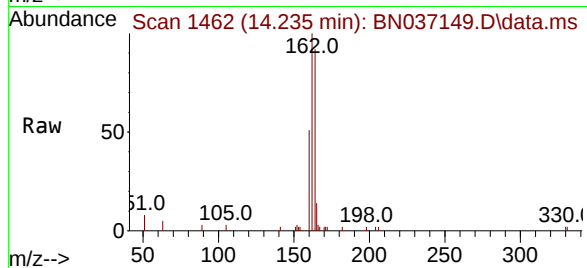




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

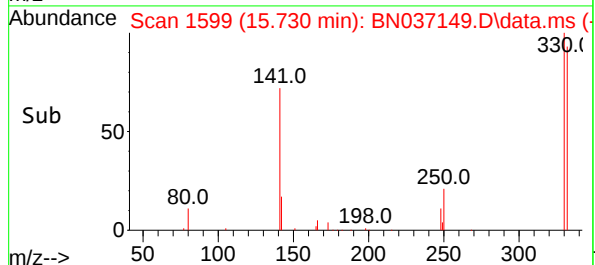
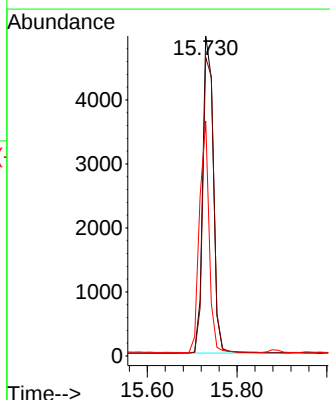
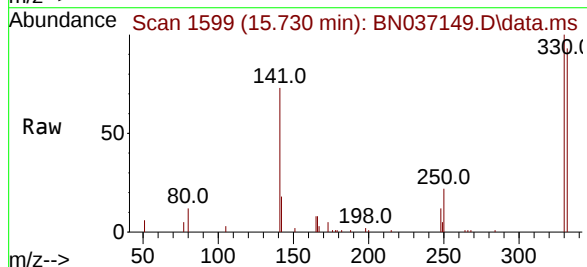
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

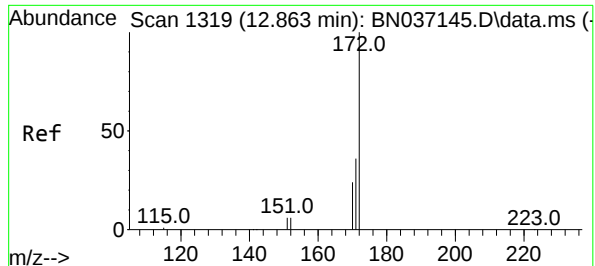
Tgt Ion:164 Resp: 3467
Ion Ratio Lower Upper
164 100
162 108.9 85.5 128.3
160 55.0 44.6 67.0



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

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

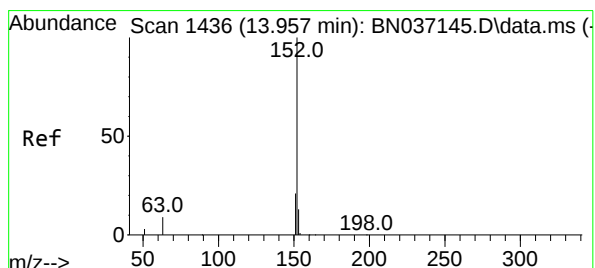
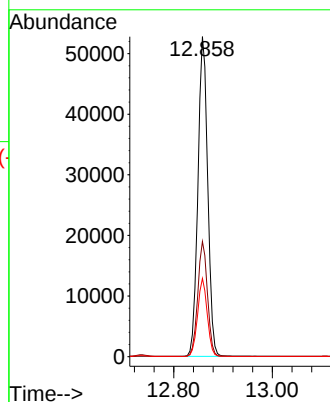
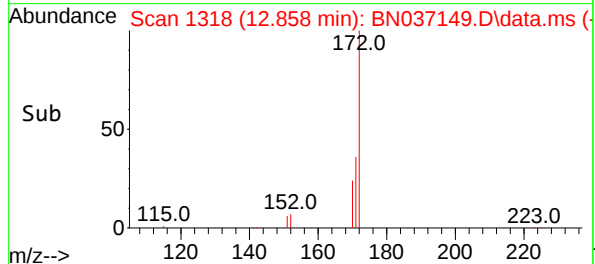
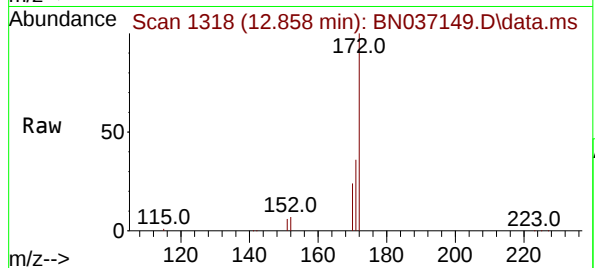




#15
2-Fluorobiphenyl
Concen: 5.056 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

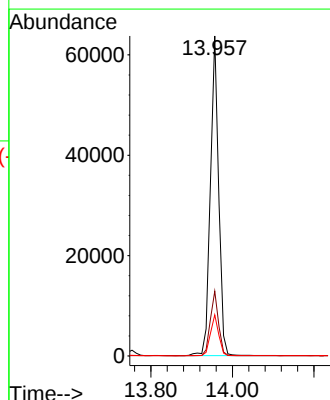
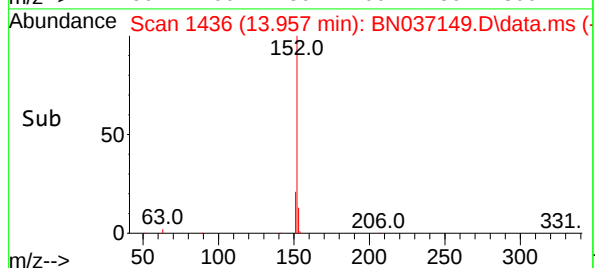
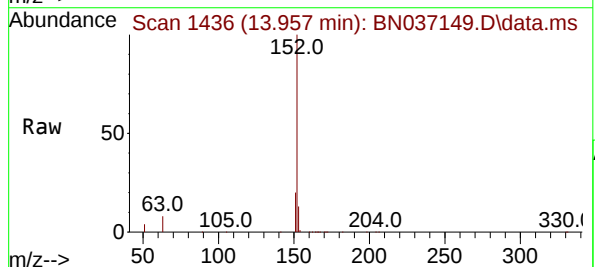
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

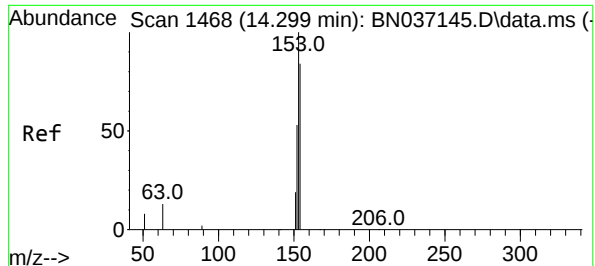
Tgt Ion:172 Resp: 74736
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.4 20.3 30.5



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

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

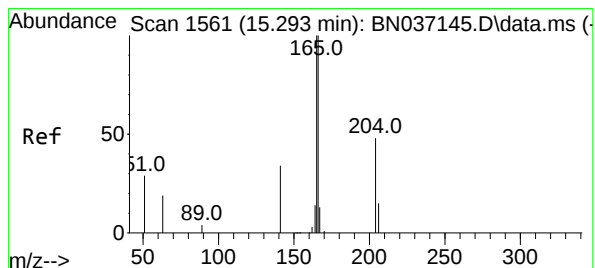
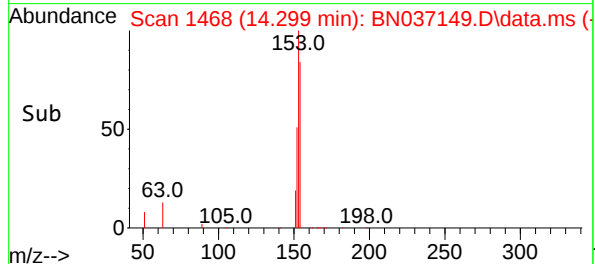
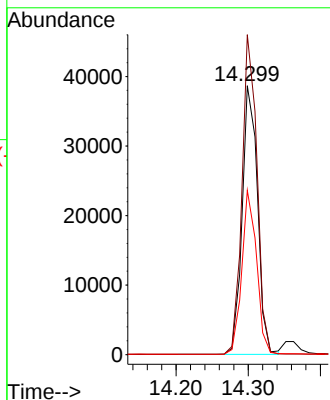
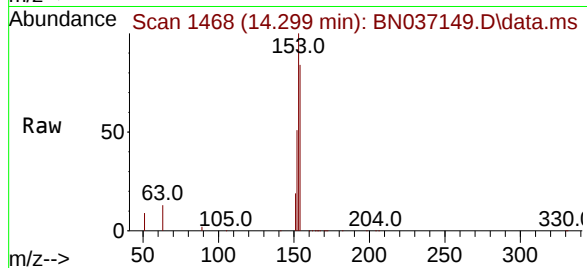




#17
Acenaphthene
Concen: 5.184 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

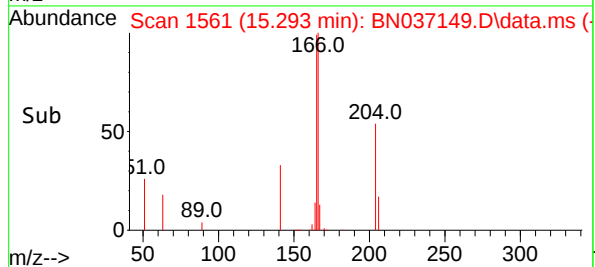
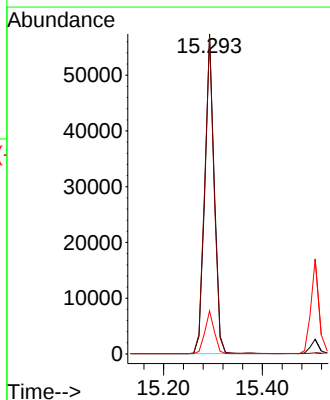
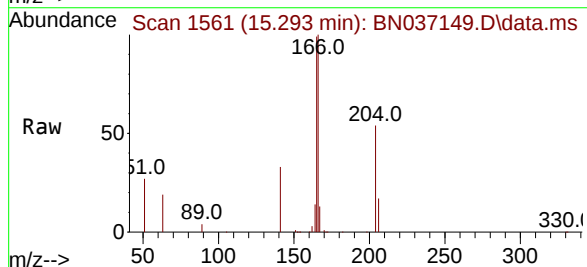
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

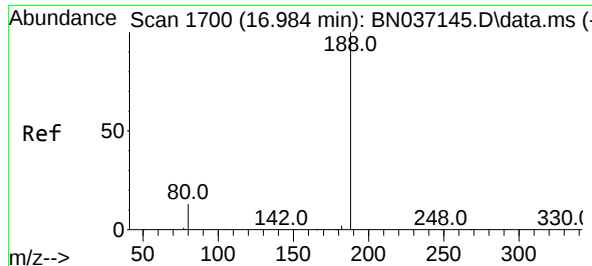
Tgt Ion:154 Resp: 57215
Ion Ratio Lower Upper
154 100
153 116.0 93.8 140.8
152 58.8 50.5 75.7



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

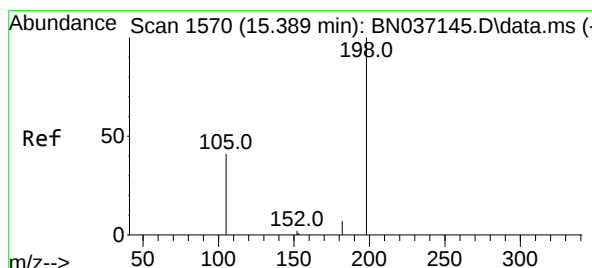
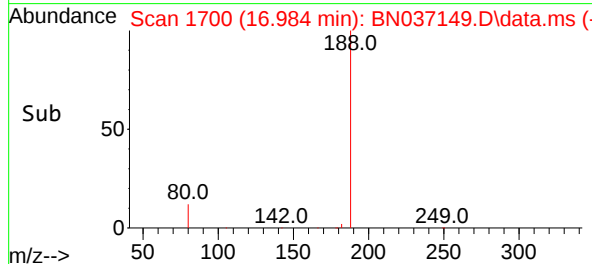
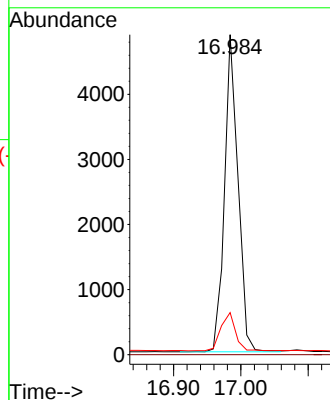
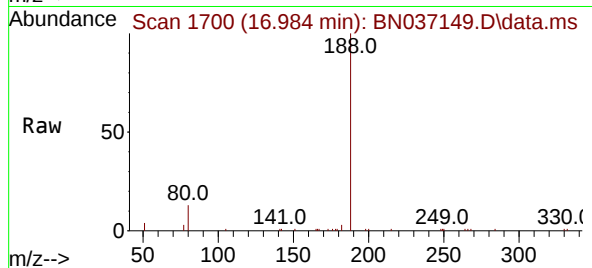
Tgt Ion:188 Resp: 6764

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.2 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 5.124 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

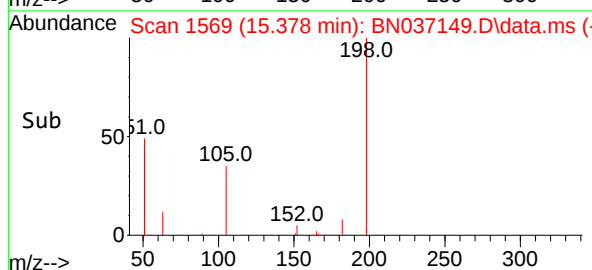
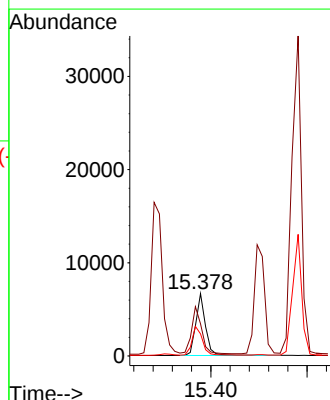
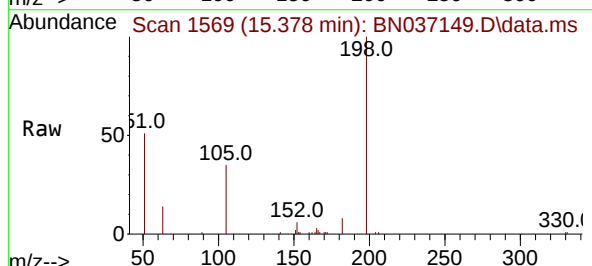
Tgt Ion:198 Resp: 9612

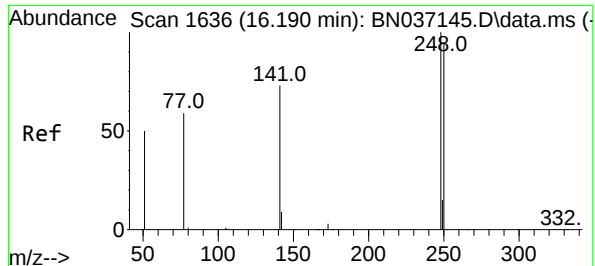
Ion Ratio Lower Upper

198 100

51 51.5 125.2 187.8#

105 35.5 57.1 85.7#

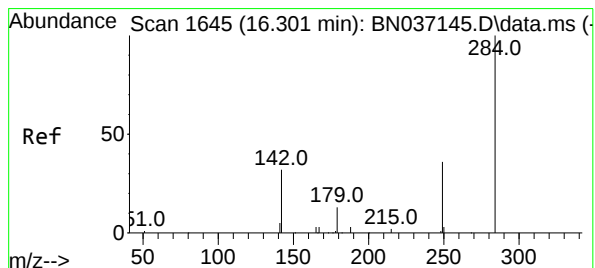
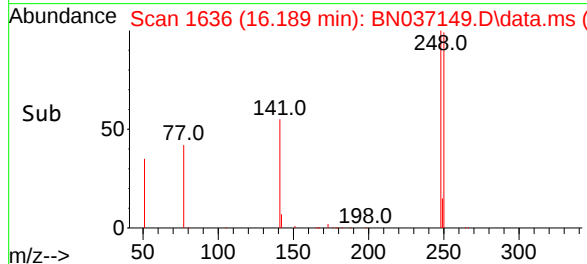
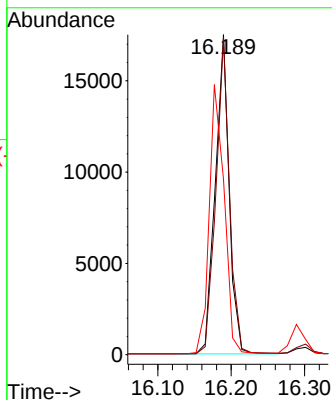
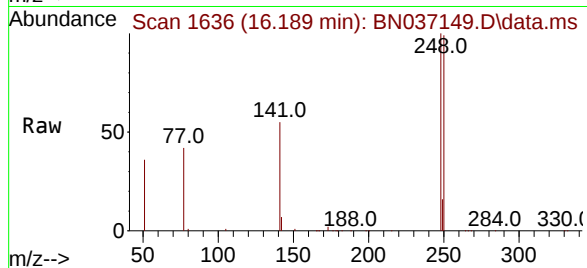




#21
4-Bromophenyl-phenylether
Concen: 5.173 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

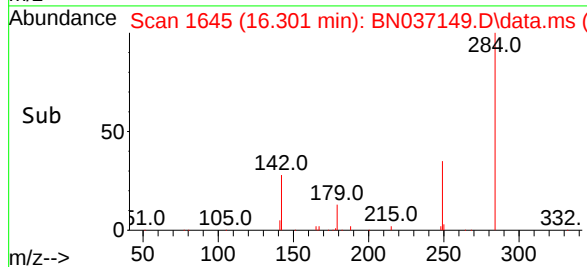
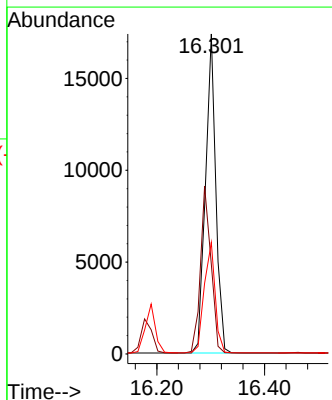
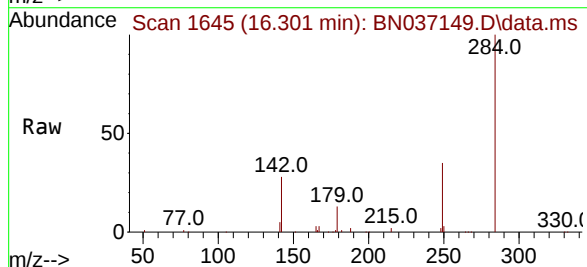
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

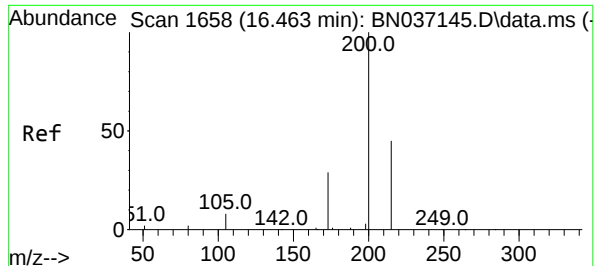
Tgt Ion:248 Resp: 22933
Ion Ratio Lower Upper
248 100
250 99.0 76.1 114.1
141 54.8 60.1 90.1#



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

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

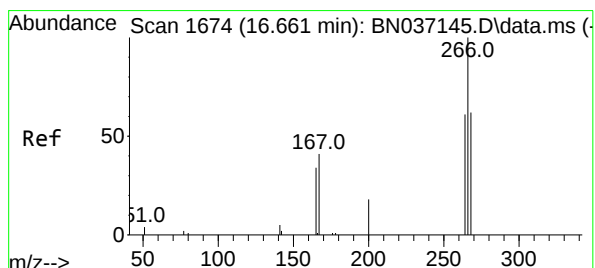
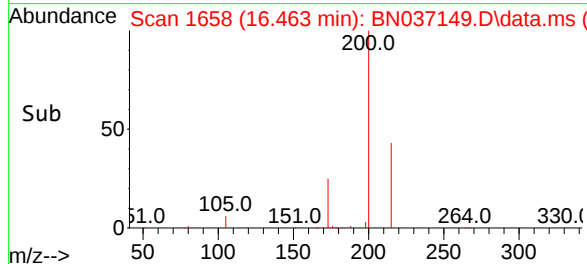
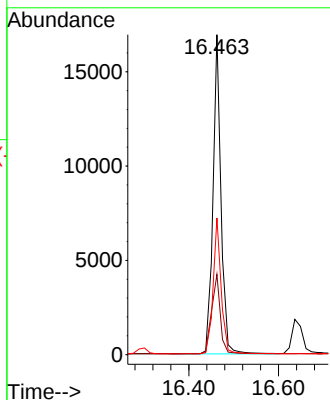
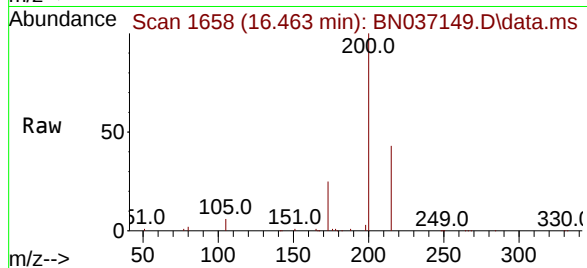




#23
Atrazine
Concen: 5.696 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

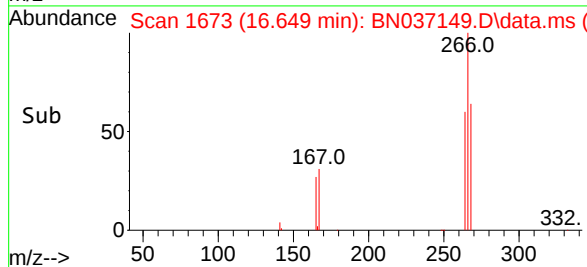
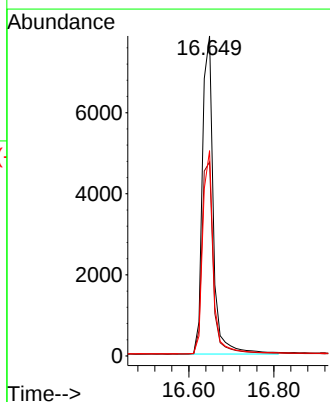
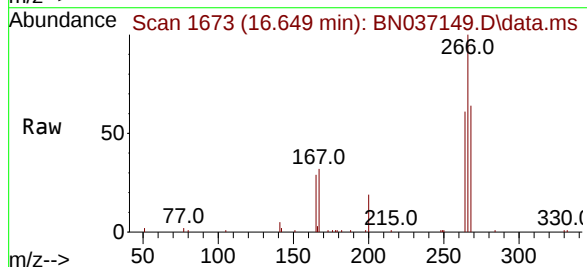
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

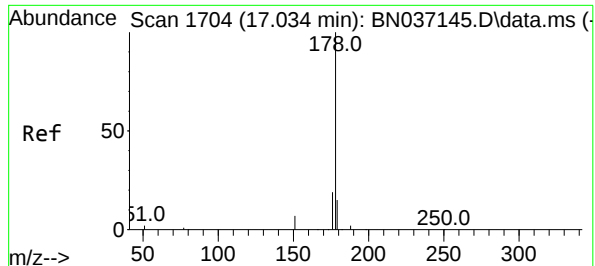
Tgt Ion:200 Resp: 20848
Ion Ratio Lower Upper
200 100
173 25.1 28.1 42.1#
215 42.7 39.3 58.9



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

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

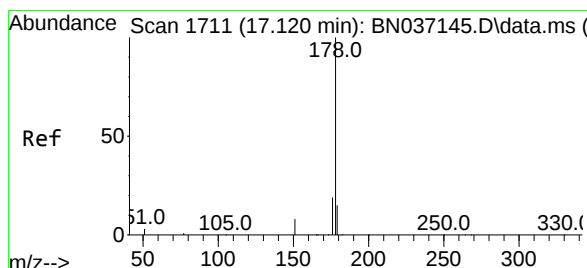
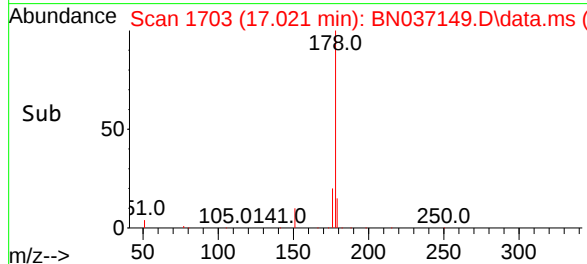
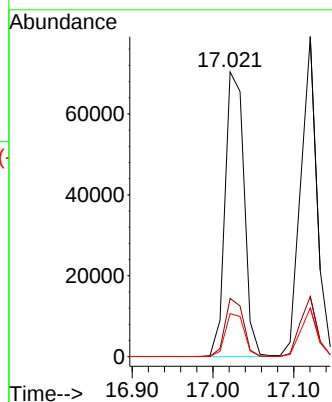
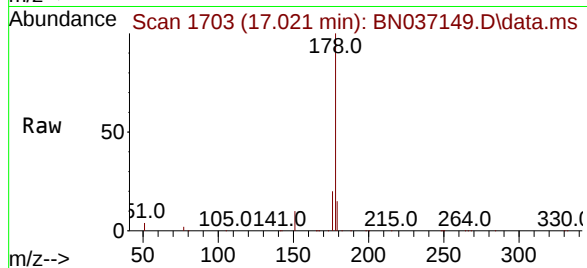




#25
Phenanthrene
Concen: 5.252 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

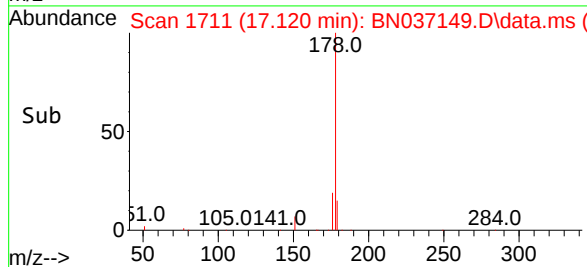
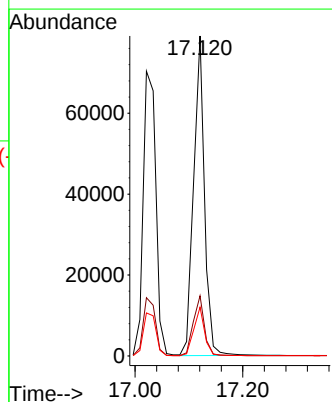
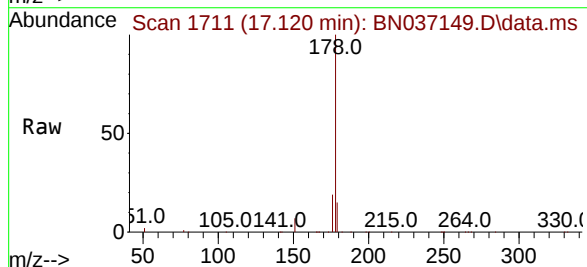
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

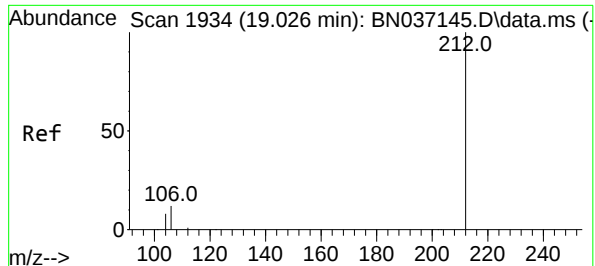
Tgt Ion:178 Resp: 115105
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.1 12.3 18.5



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

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





#27

Fluoranthene-d10

Concen: 5.482 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

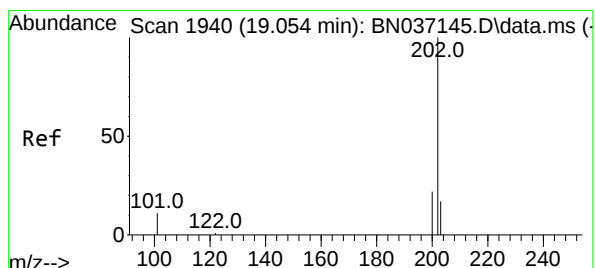
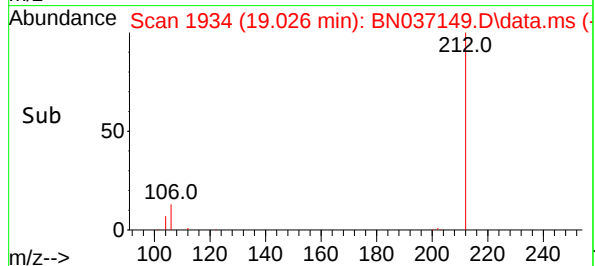
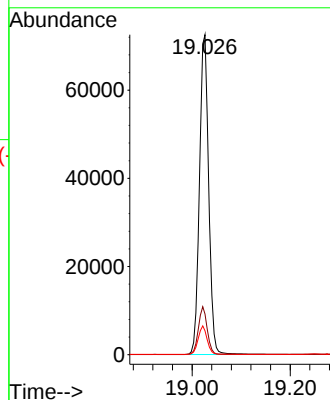
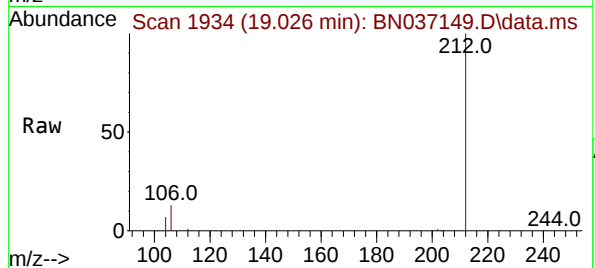
Tgt Ion:212 Resp: 94210

Ion Ratio Lower Upper

212 100

106 14.3 10.6 15.8

104 8.6 6.6 9.8



#28

Fluoranthene

Concen: 5.604 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

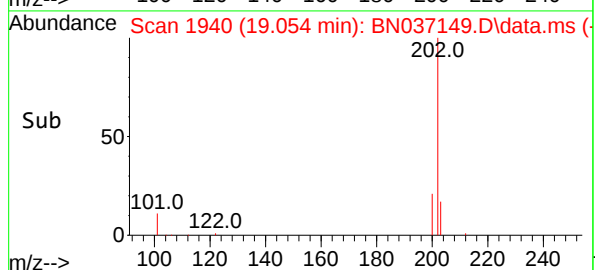
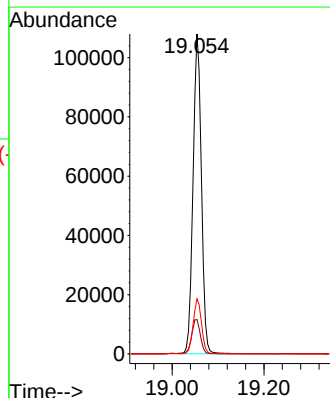
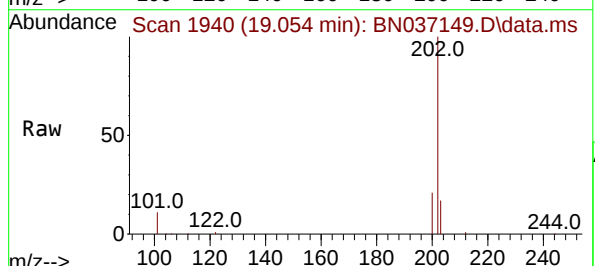
Tgt Ion:202 Resp: 135672

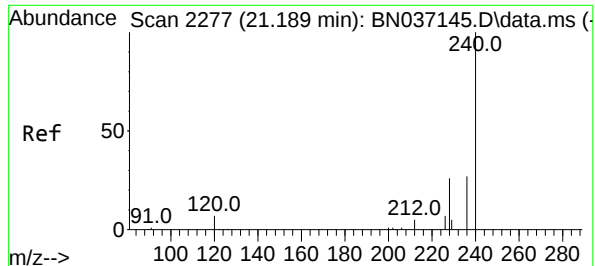
Ion Ratio Lower Upper

202 100

101 11.4 8.7 13.1

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

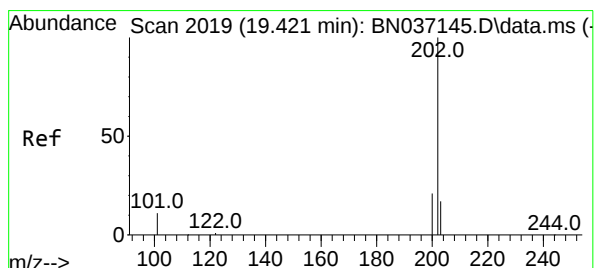
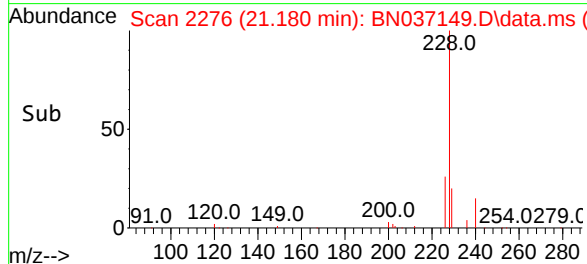
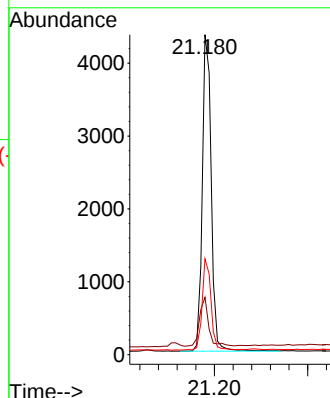
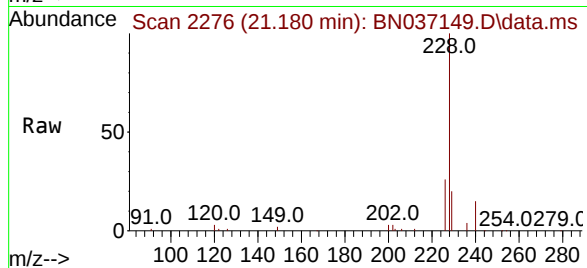
Tgt Ion:240 Resp: 5784

Ion Ratio Lower Upper

240 100

120 18.0 9.0 13.4#

236 30.0 23.0 34.4



#30

Pyrene

Concen: 4.827 ng

RT: 19.416 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

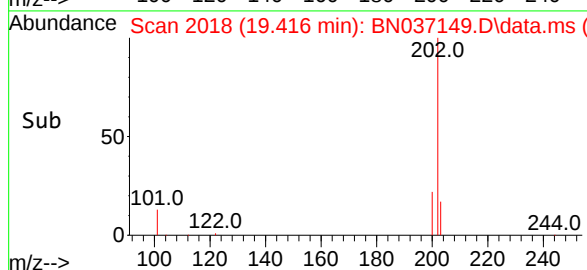
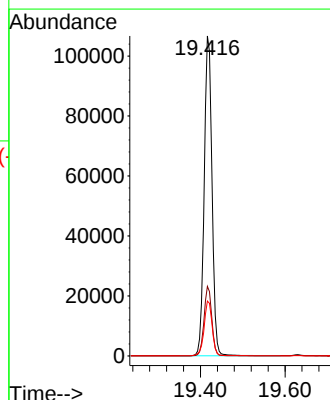
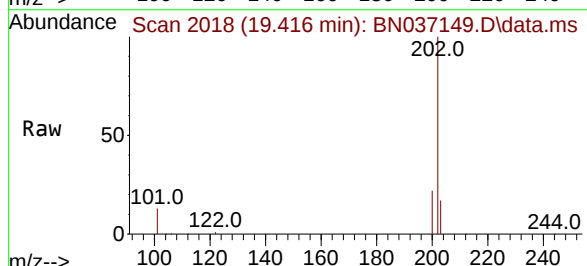
Tgt Ion:202 Resp: 136281

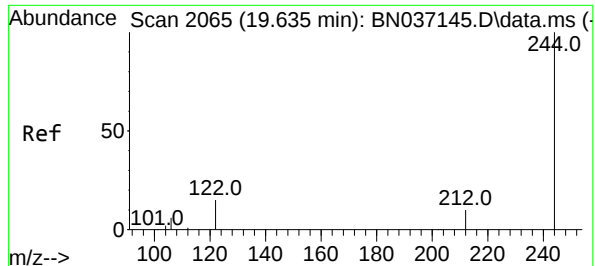
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.6 14.2 21.4

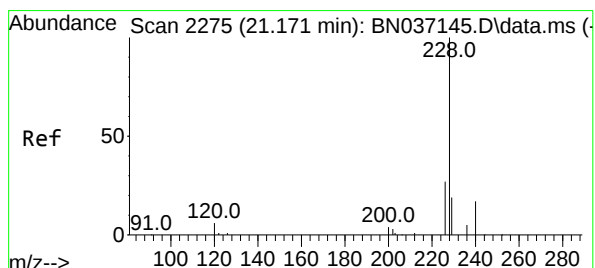
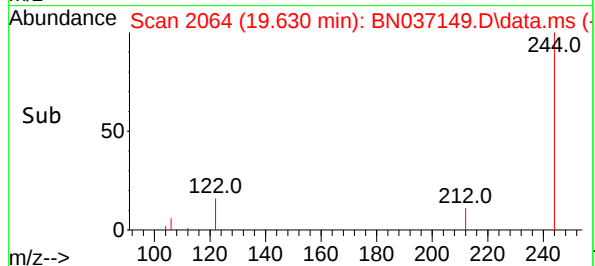
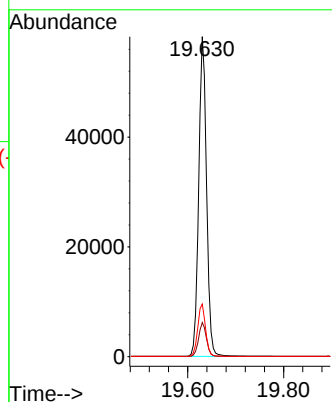
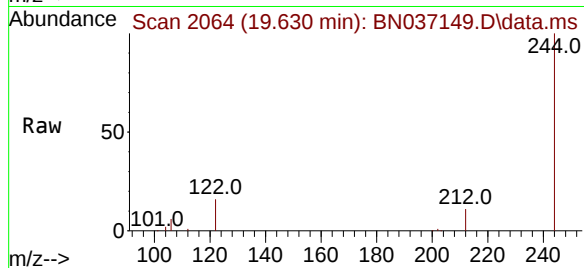




#31
Terphenyl-d14
Concen: 4.900 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037149.D
Acq: 03 Jun 2025 15:14

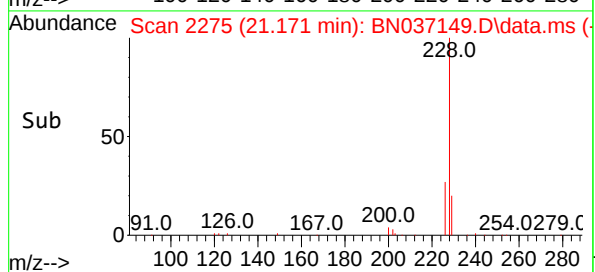
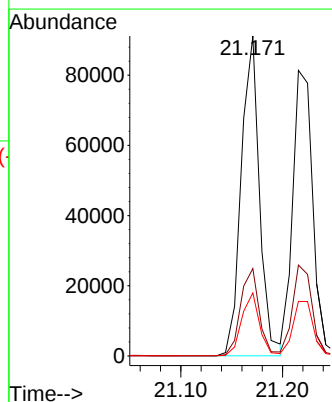
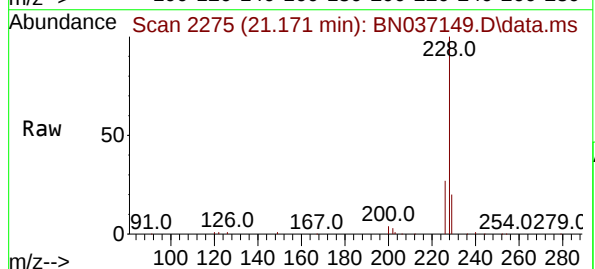
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

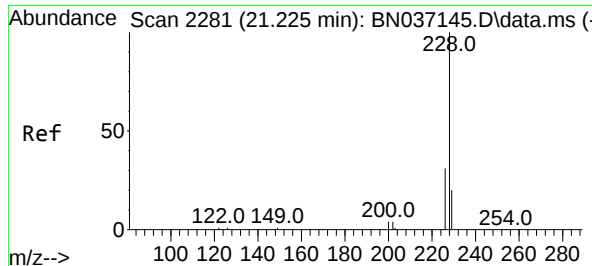
Tgt Ion:244 Resp: 66718
Ion Ratio Lower Upper
244 100
212 10.7 10.0 15.0
122 16.5 13.2 19.8



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

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





#33

Chrysene

Concen: 4.825 ng

RT: 21.216 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

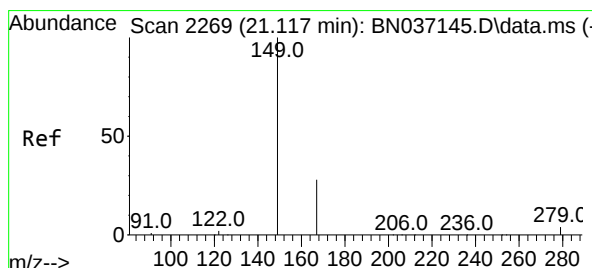
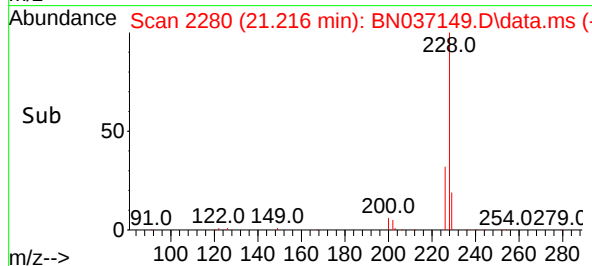
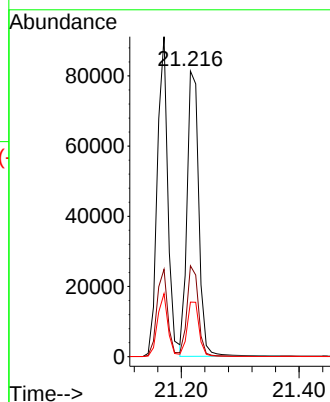
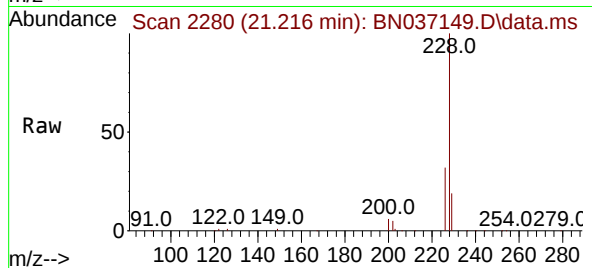
Tgt Ion:228 Resp: 112475

Ion Ratio Lower Upper

228 100

226 31.8 25.2 37.8

229 19.1 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.486 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

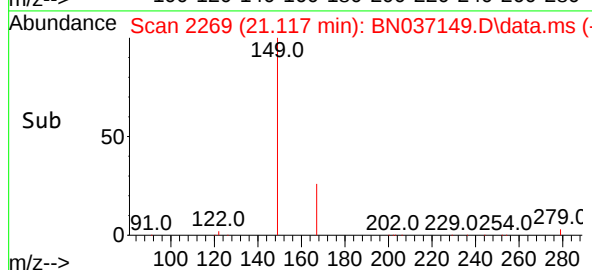
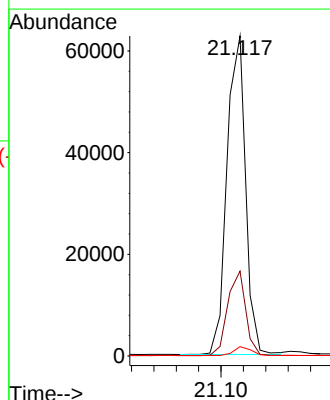
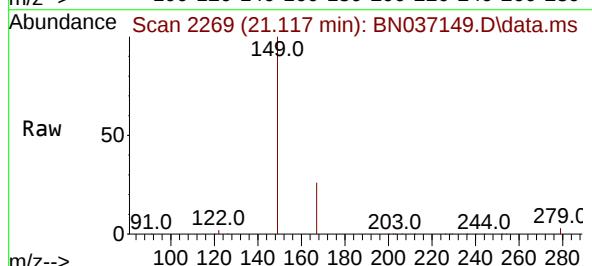
Tgt Ion:149 Resp: 72476

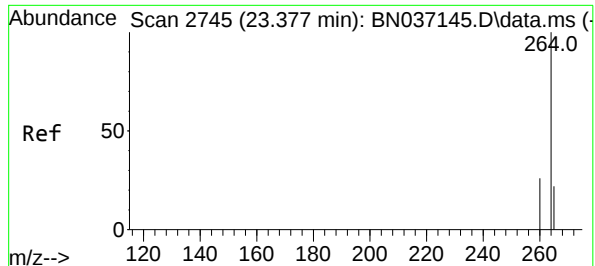
Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

279 2.6 2.9 4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037149.D

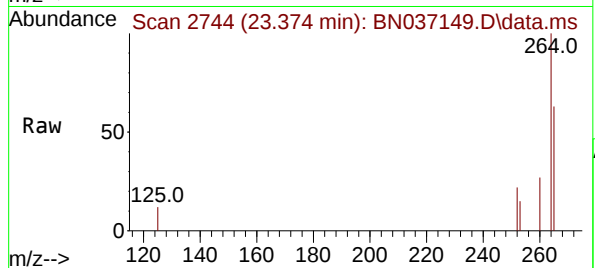
Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



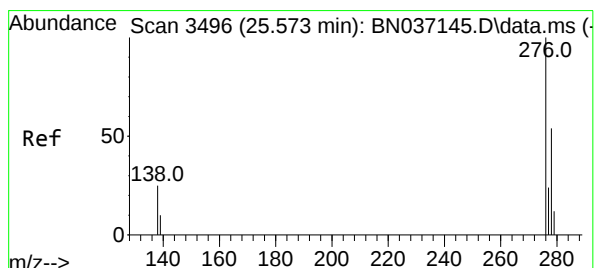
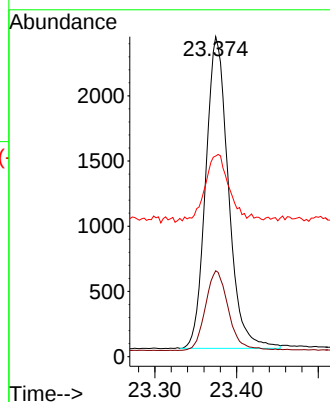
Tgt Ion:264 Resp: 4620

Ion Ratio Lower Upper

264 100

260 26.9 22.1 33.1

265 62.7 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 5.331 ng

RT: 25.573 min Scan# 3496

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

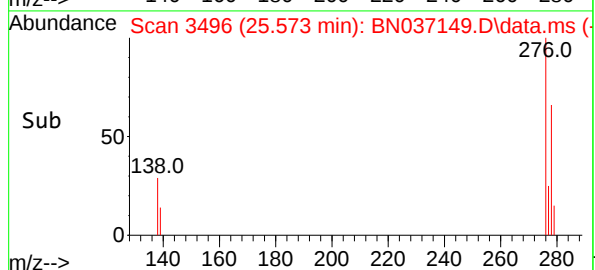
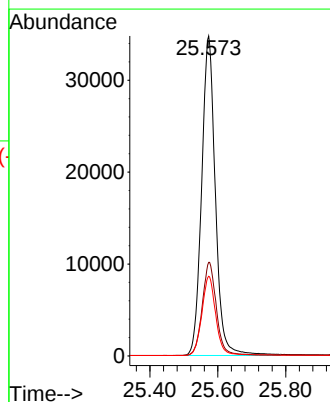
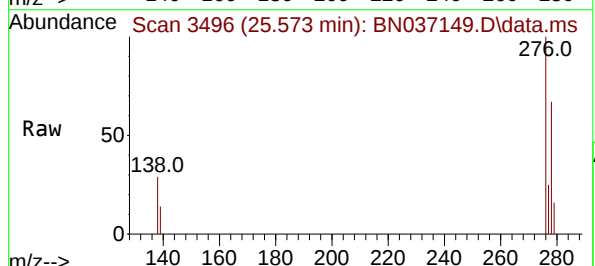
Tgt Ion:276 Resp: 97988

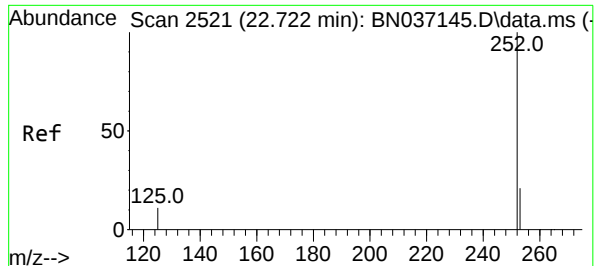
Ion Ratio Lower Upper

276 100

138 29.9 21.0 31.6

277 25.0 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 5.516 ng

RT: 22.720 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037149.D

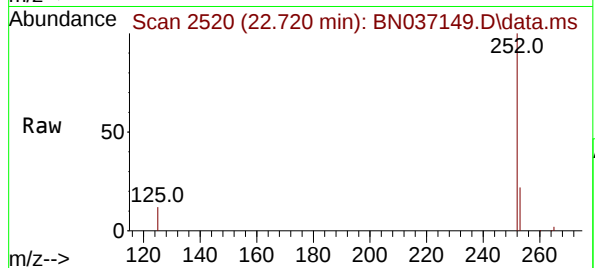
Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



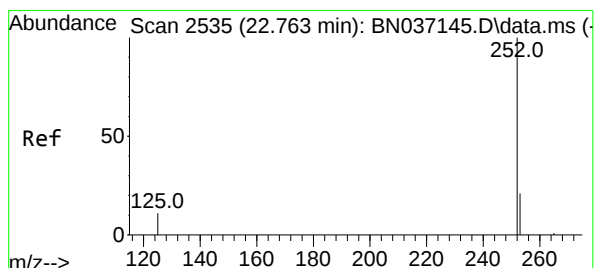
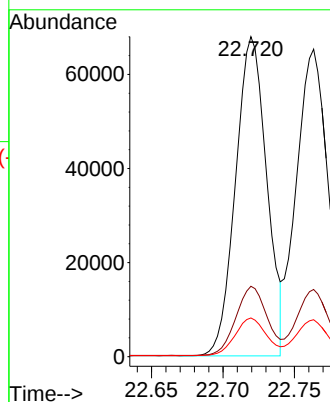
Tgt Ion:252 Resp: 102873

Ion Ratio Lower Upper

252 100

253 22.0 22.3 33.5#

125 12.1 13.2 19.8#



#38

Benzo(k)fluoranthene

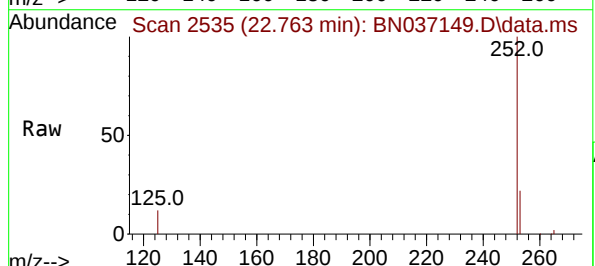
Concen: 5.475 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14



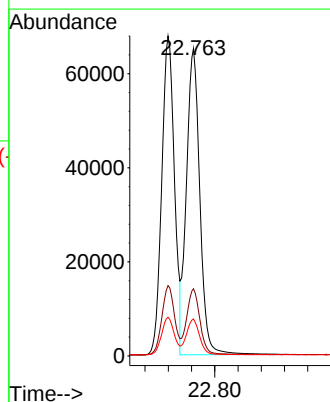
Tgt Ion:252 Resp: 104252

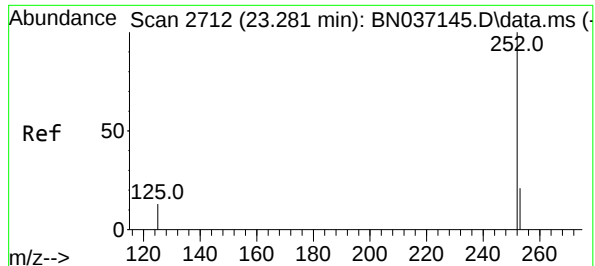
Ion Ratio Lower Upper

252 100

253 21.8 22.2 33.4#

125 12.0 13.2 19.8#





#39

Benzo(a)pyrene

Concen: 5.474 ng

RT: 23.278 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037149.D

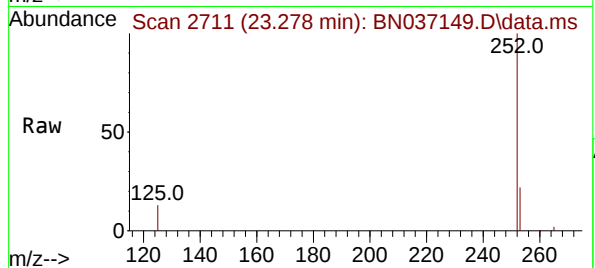
Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



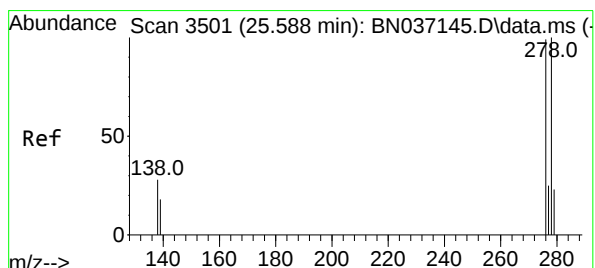
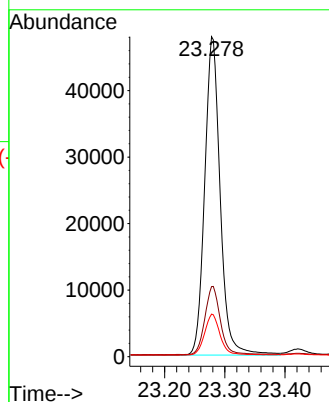
Tgt Ion:252 Resp: 85510

Ion Ratio Lower Upper

252 100

253 21.9 25.0 37.4#

125 13.3 17.0 25.6#



#40

Dibenzo(a,h)anthracene

Concen: 5.411 ng

RT: 25.585 min Scan# 3500

Delta R.T. -0.003 min

Lab File: BN037149.D

Acq: 03 Jun 2025 15:14

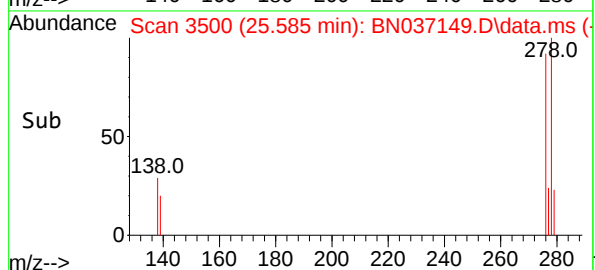
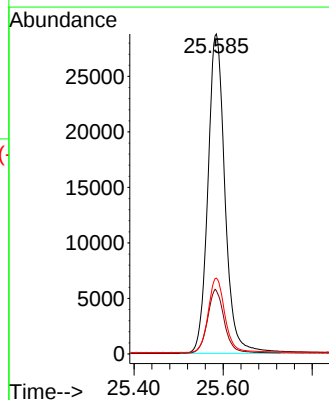
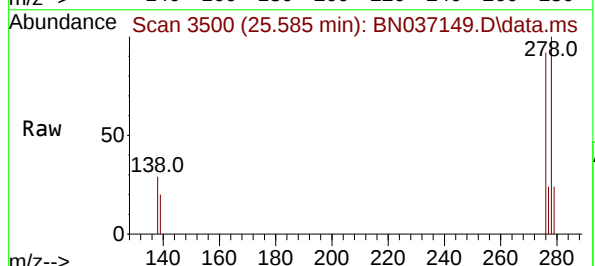
Tgt Ion:278 Resp: 76694

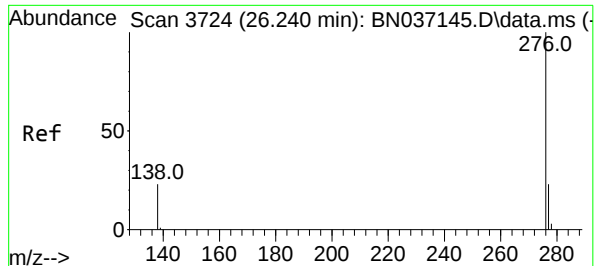
Ion Ratio Lower Upper

278 100

139 19.8 17.6 26.4

279 23.7 26.0 39.0#





#41

Benzo(g,h,i)perylene

Concen: 5.054 ng

RT: 26.243 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037149.D

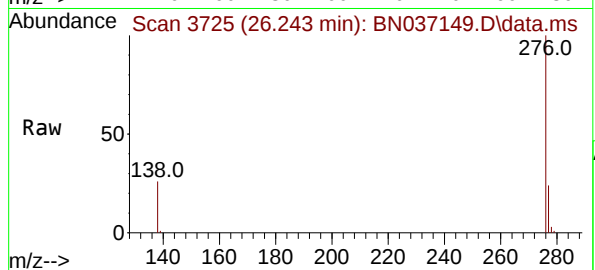
Acq: 03 Jun 2025 15:14

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



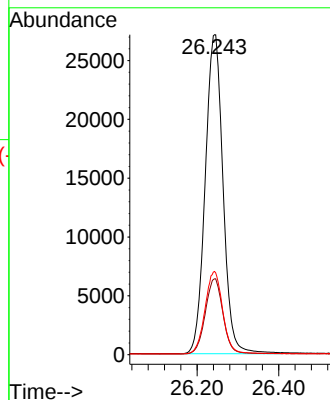
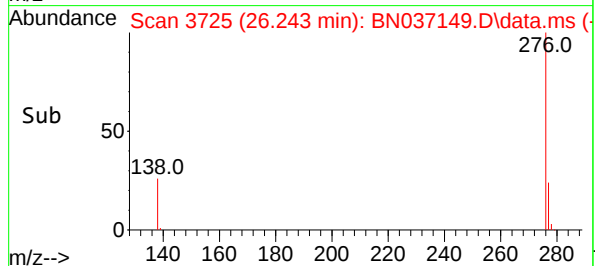
Tgt Ion:276 Resp: 82277

Ion Ratio Lower Upper

276 100

277 23.7 20.9 31.3

138 26.0 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037150.D
 Acq On : 03 Jun 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN060325

Quant Time: Jun 04 01:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

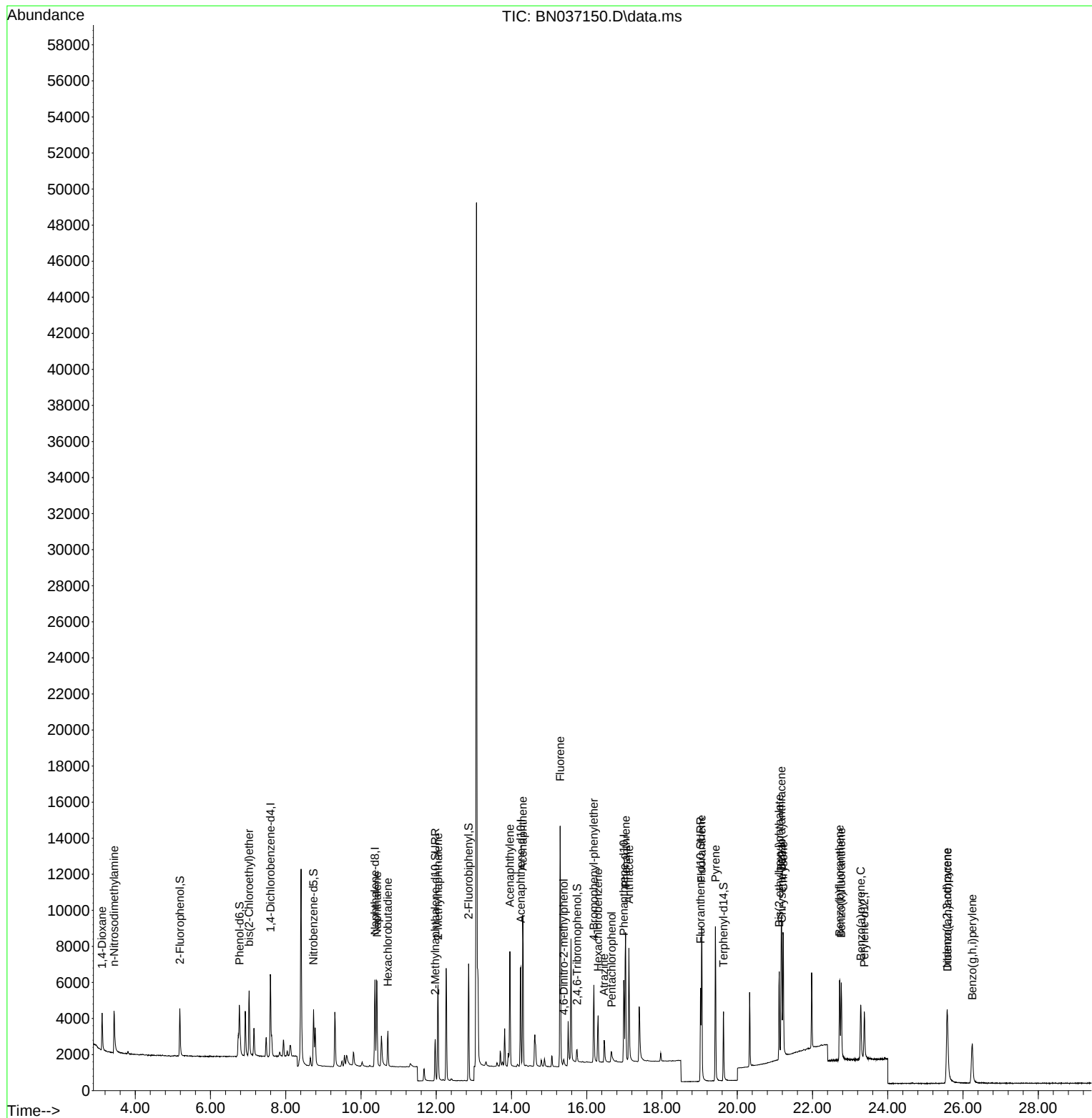
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	2254	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5892	0.400	ng	0.00
13) Acenaphthene-d10	14.245	164	3320	0.400	ng	0.01
19) Phenanthrene-d10	16.984	188	6332	0.400	ng	0.00
29) Chrysene-d12	21.189	240	4292	0.400	ng	0.00
35) Perylene-d12	23.377	264	3564	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	2014	0.361	ng	0.00
5) Phenol-d6	6.773	99	2419	0.358	ng	0.00
8) Nitrobenzene-d5	8.739	82	2473	0.398	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	3266	0.398	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	440	0.329	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	5696	0.402	ng	0.00
27) Fluoranthene-d10	19.026	212	6037	0.375	ng	0.00
31) Terphenyl-d14	19.635	244	4196	0.415	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1242	0.413	ng	98
3) n-Nitrosodimethylamine	3.437	42	2355	0.390	ng	100
6) bis(2-Chloroethyl)ether	7.026	93	2715	0.421	ng	100
9) Naphthalene	10.426	128	6699	0.394	ng	98
10) Hexachlorobutadiene	10.714	225	1489	0.402	ng	# 99
12) 2-Methylnaphthalene	12.047	142	3839	0.352	ng	96
16) Acenaphthylene	13.957	152	6575	0.404	ng	100
17) Acenaphthene	14.299	154	3940	0.373	ng	100
18) Fluorene	15.293	166	5182	0.373	ng	99
20) 4,6-Dinitro-2-methylph...	15.389	198	348	0.462	ng	84
21) 4-Bromophenyl-phenylether	16.189	248	1544	0.372	ng	98
22) Hexachlorobenzene	16.301	284	1743	0.389	ng	99
23) Atrazine	16.463	200	1282	0.374	ng	97
24) Pentachlorophenol	16.661	266	591	0.436	ng	97
25) Phenanthrene	17.033	178	7869	0.384	ng	100
26) Anthracene	17.120	178	7105	0.380	ng	99
28) Fluoranthene	19.054	202	8186	0.361	ng	99
30) Pyrene	19.421	202	8148	0.389	ng	99
32) Benzo(a)anthracene	21.171	228	5949	0.383	ng	99
33) Chrysene	21.224	228	6661	0.385	ng	99
34) Bis(2-ethylhexyl)phtha...	21.117	149	3635	0.371	ng	99
36) Indeno(1,2,3-cd)pyrene	25.573	276	5461	0.385	ng	100
37) Benzo(b)fluoranthene	22.720	252	5432	0.378	ng	100
38) Benzo(k)fluoranthene	22.763	252	5859	0.399	ng	100
39) Benzo(a)pyrene	23.281	252	4925	0.409	ng	99
40) Dibenzo(a,h)anthracene	25.588	278	4227	0.387	ng	100
41) Benzo(g,h,i)perylene	26.248	276	4620	0.368	ng	98

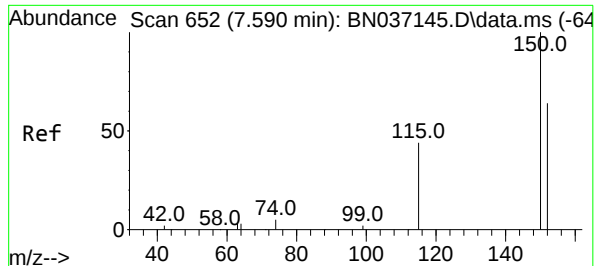
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037150.D
Acq On : 03 Jun 2025 15:53
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN060325

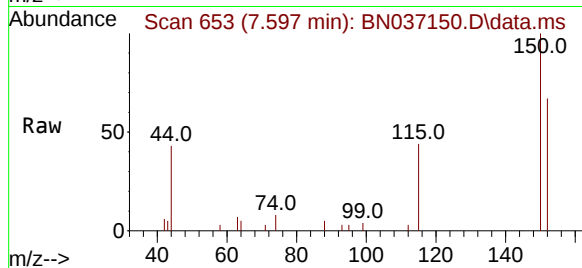
Quant Time: Jun 04 01:54:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



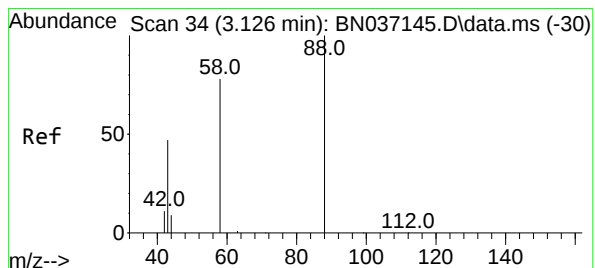
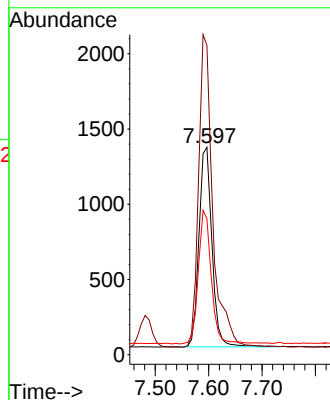
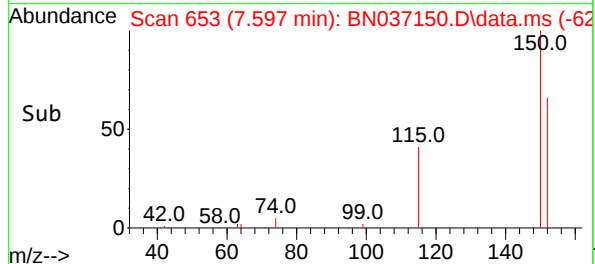


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Instrument :
BNA_N
ClientSampleId :
ICVBN060325

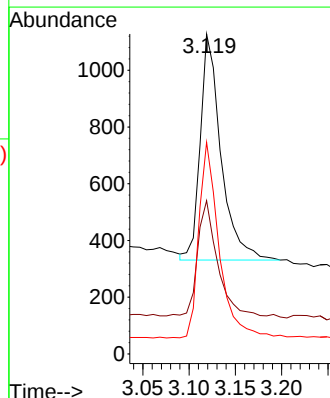
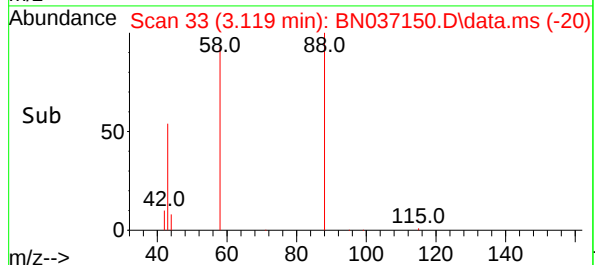
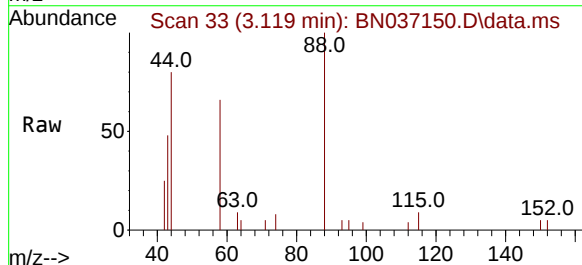


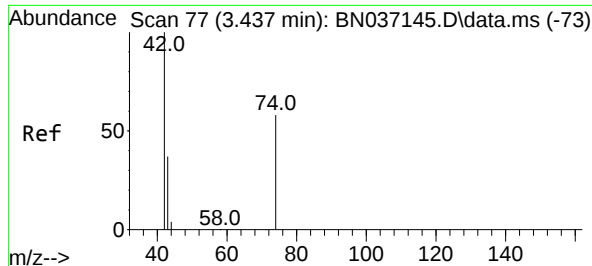
Tgt Ion:152 Resp: 2254
Ion Ratio Lower Upper
152 100
150 149.2 123.2 184.8
115 65.5 56.6 85.0



#2
1,4-Dioxane
Concen: 0.413 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion: 88 Resp: 1242
Ion Ratio Lower Upper
88 100
43 50.8 43.5 65.3
58 84.5 67.7 101.5

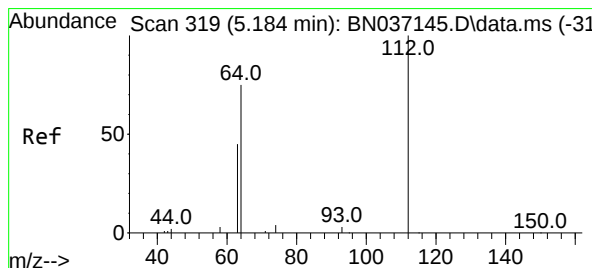
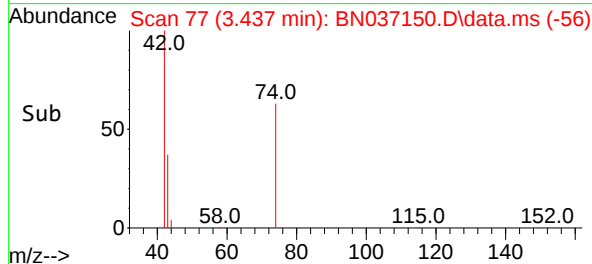
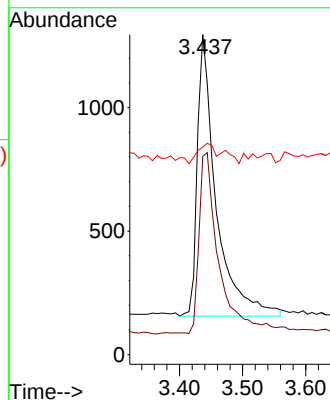
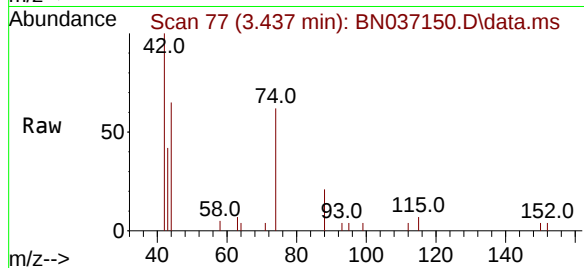




#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.437 min Scan# 77
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

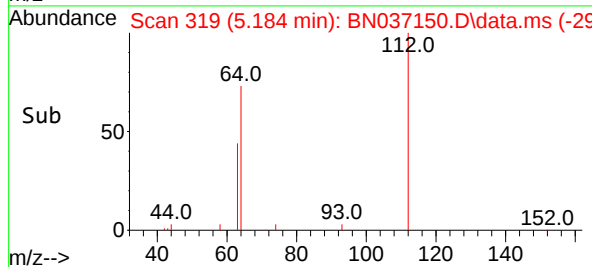
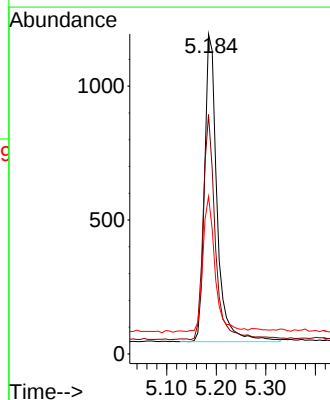
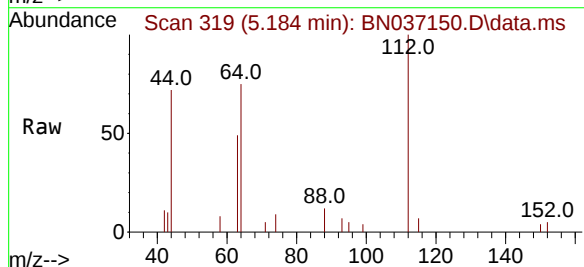
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

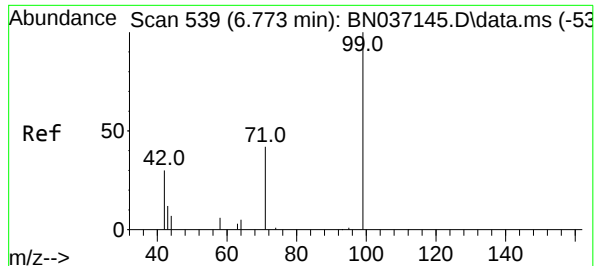
Tgt Ion: 42 Resp: 2355
Ion Ratio Lower Upper
42 100
74 66.5 53.0 79.4
44 6.9 5.9 8.9



#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion: 112 Resp: 2014
Ion Ratio Lower Upper
112 100
64 72.0 56.3 84.5
63 42.3 36.2 54.4

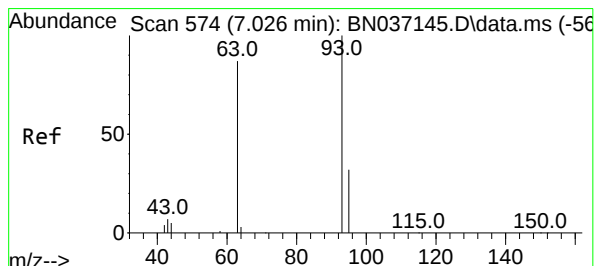
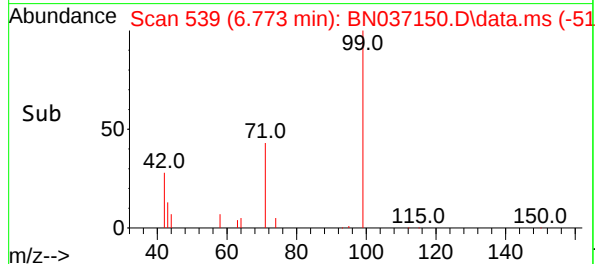
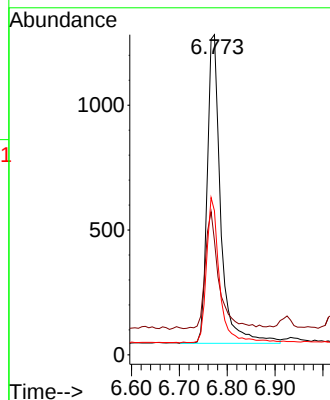
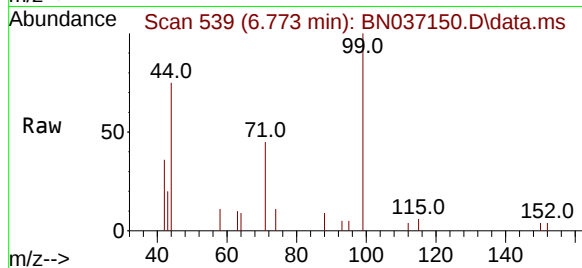




#5
Phenol-d6
Concen: 0.358 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

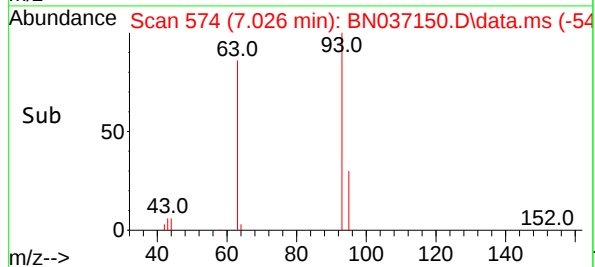
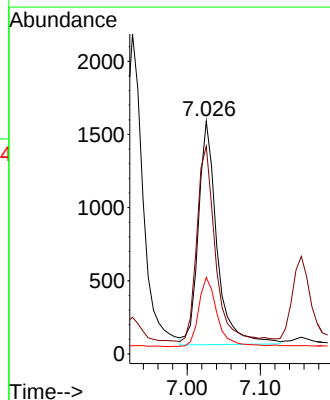
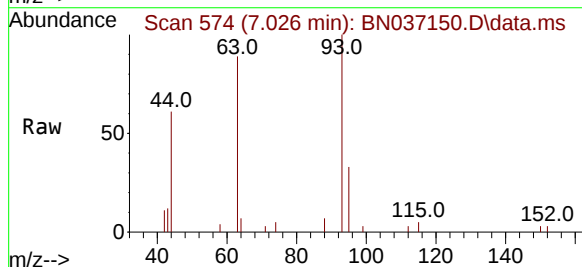
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

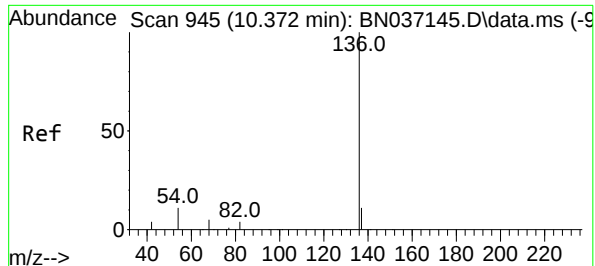
Tgt Ion	Ratio	Lower	Upper
99	100		
42	38.5	31.3	46.9
71	45.7	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion	Ratio	Lower	Upper
93	100		
63	85.3	68.6	103.0
95	30.5	24.3	36.5

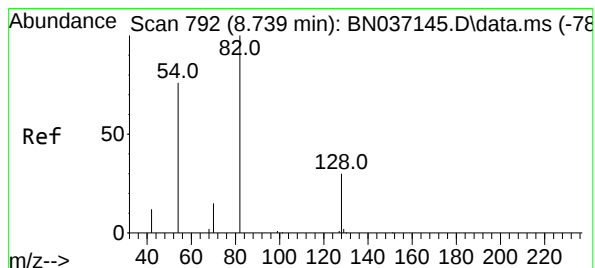
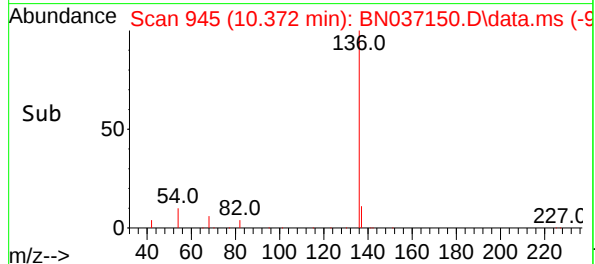
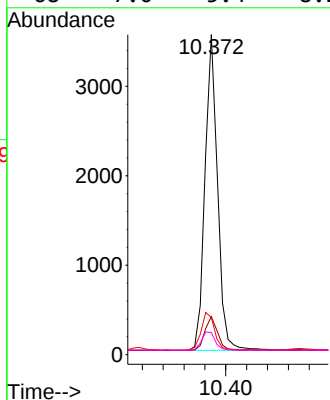
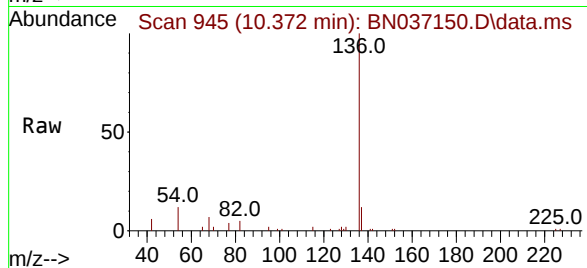




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

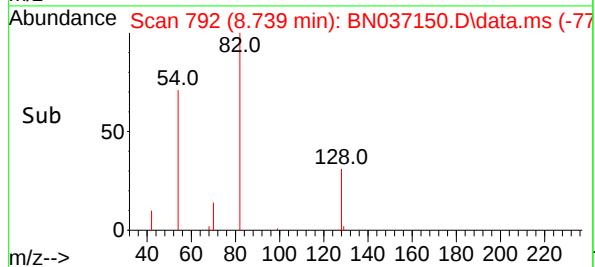
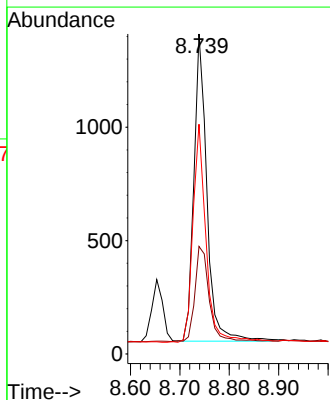
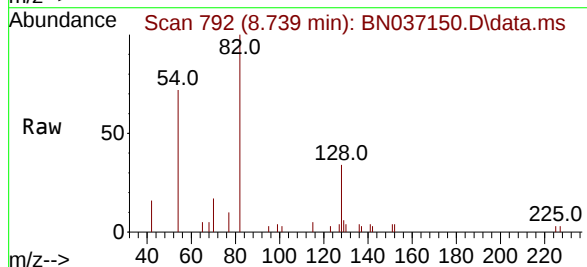
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

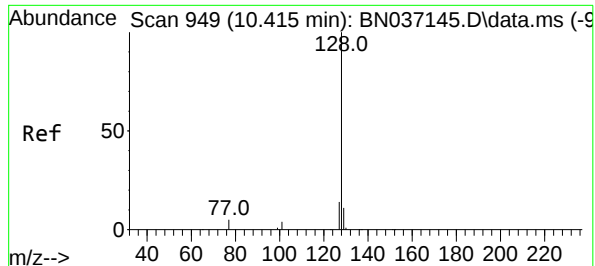
Tgt Ion:136 Resp: 5892
Ion Ratio Lower Upper
136 100
137 11.9 9.7 14.5
54 11.7 9.7 14.5
68 7.0 5.4 8.2



#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion: 82 Resp: 2473
Ion Ratio Lower Upper
82 100
128 33.6 26.9 40.3
54 71.8 61.4 92.2

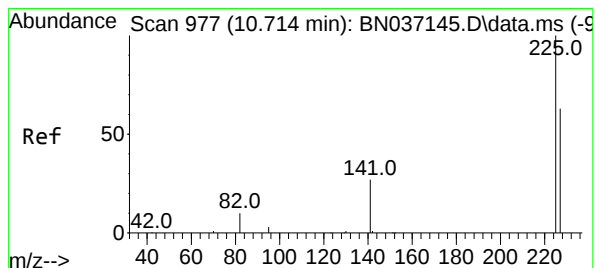
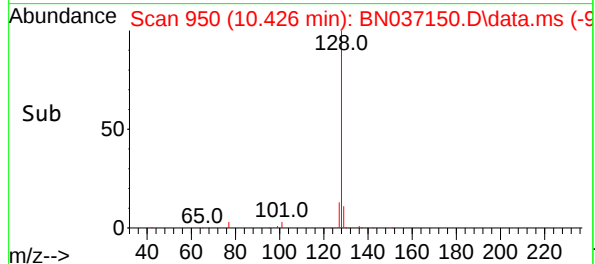
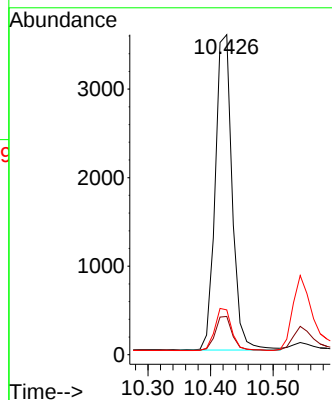
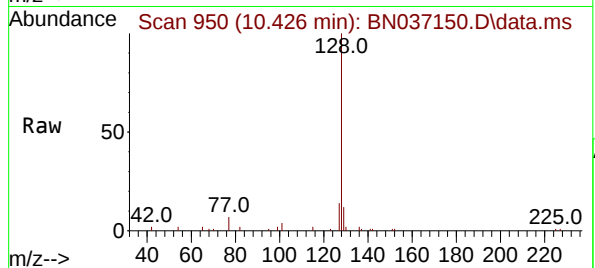




#9
Naphthalene
Concen: 0.394 ng
RT: 10.426 min Scan# 949
Delta R.T. 0.011 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

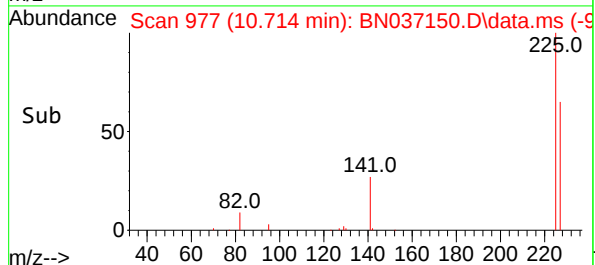
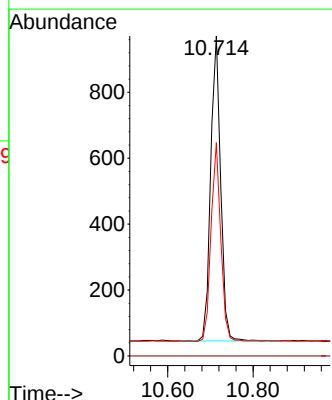
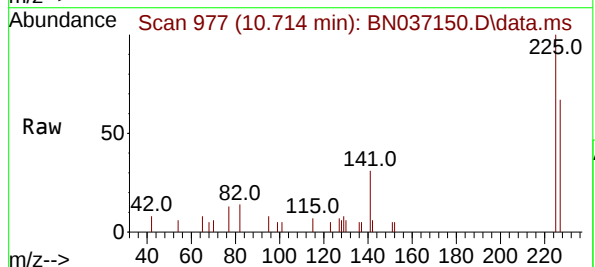
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

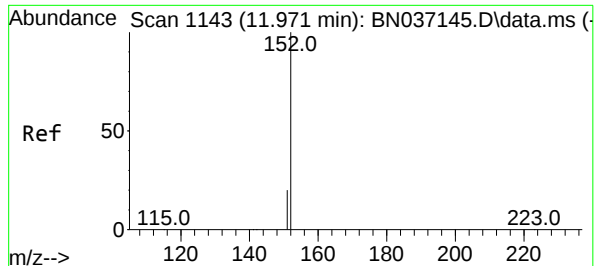
Tgt Ion:128 Resp: 6699
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.8
127 14.0 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.402 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:225 Resp: 1489
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 50.3 75.5

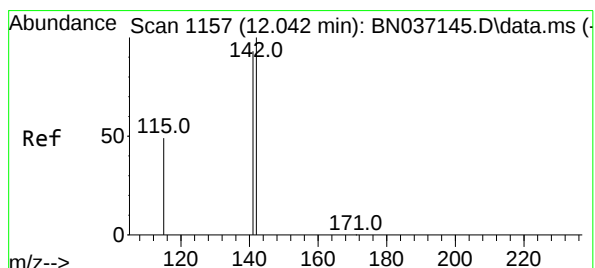
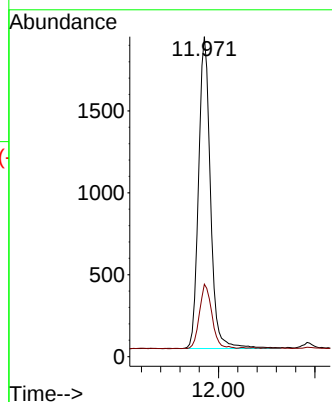
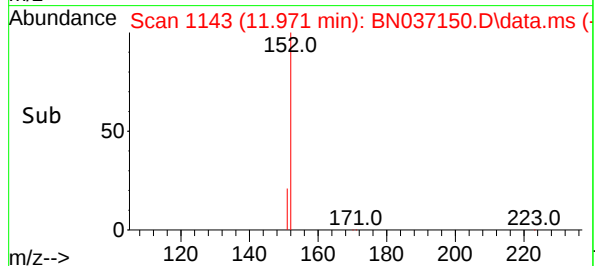
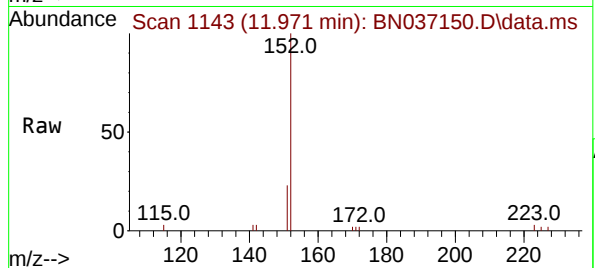




#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.971 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

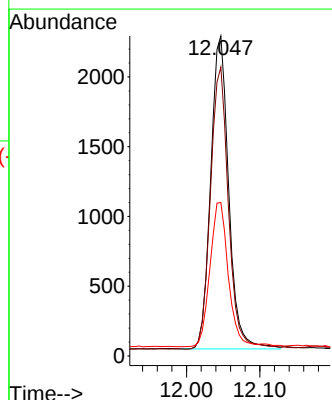
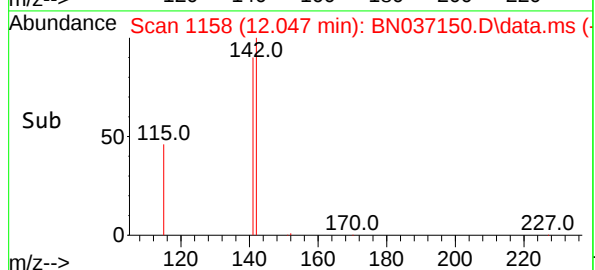
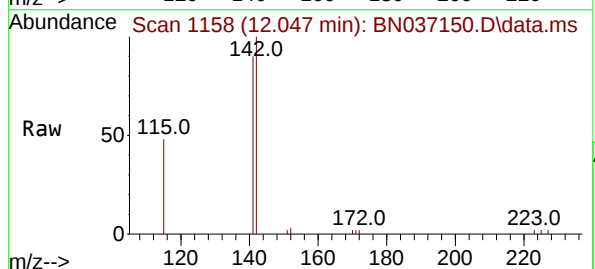
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

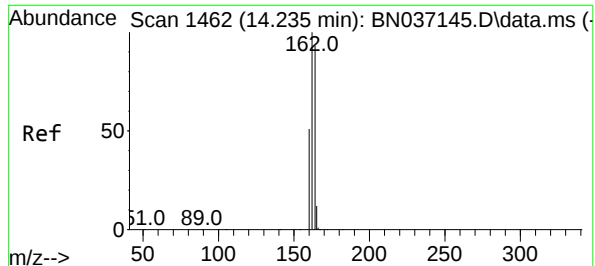
Tgt Ion:152 Resp: 3266
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 12.047 min Scan# 1158
Delta R.T. 0.005 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:142 Resp: 3839
Ion Ratio Lower Upper
142 100
141 90.3 74.6 111.8
115 48.0 41.0 61.4

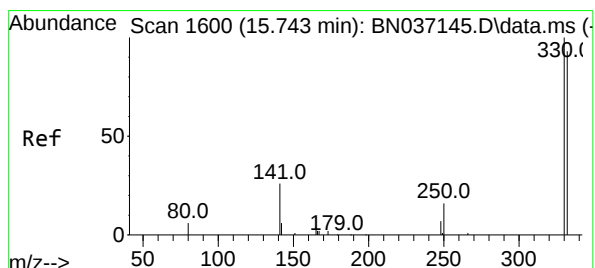
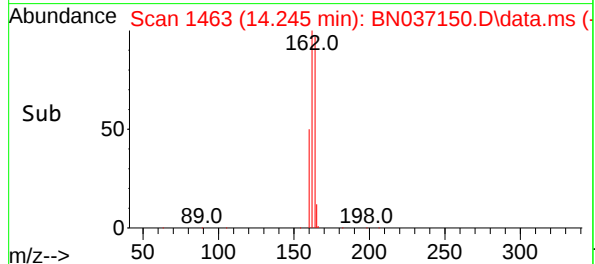
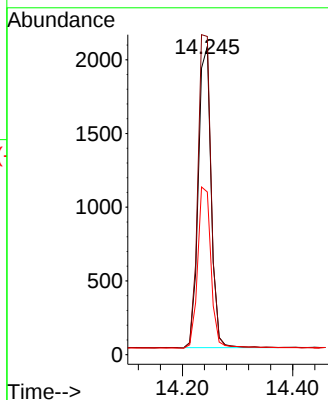
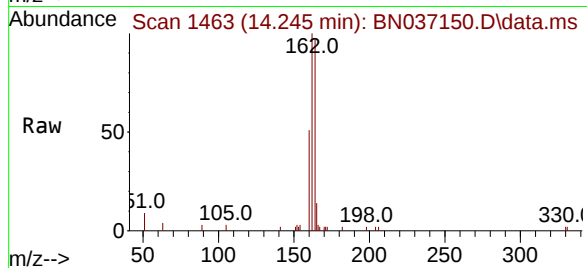




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 1463
Delta R.T. 0.011 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

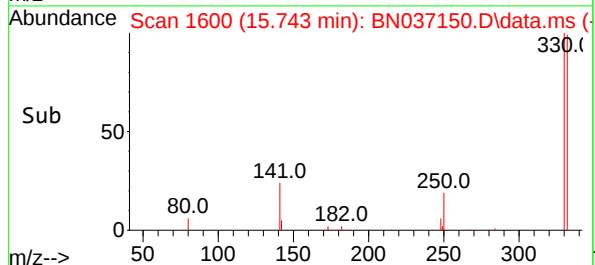
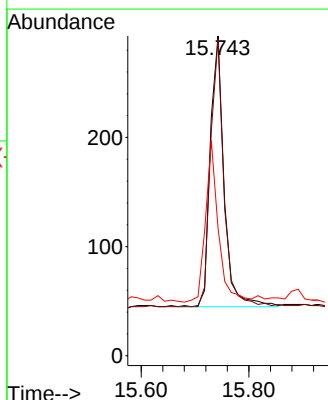
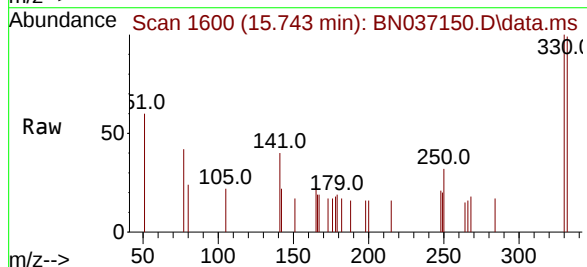
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

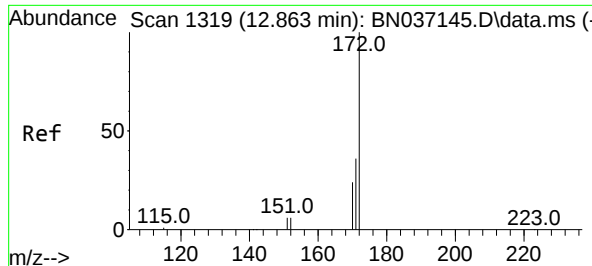
Tgt Ion:164 Resp: 3320
Ion Ratio Lower Upper
164 100
162 103.3 85.5 128.3
160 52.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:330 Resp: 440
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 55.9 46.4 69.6

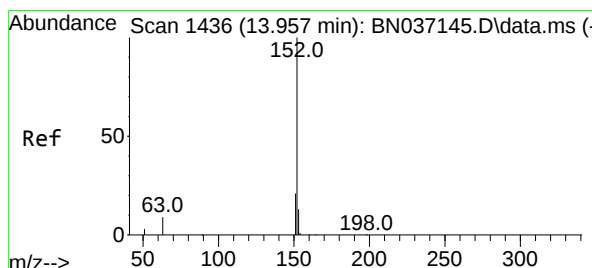
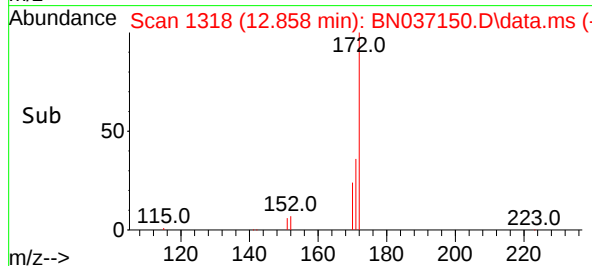
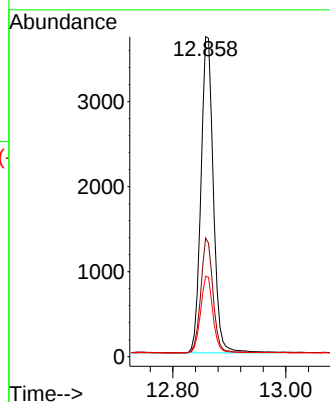
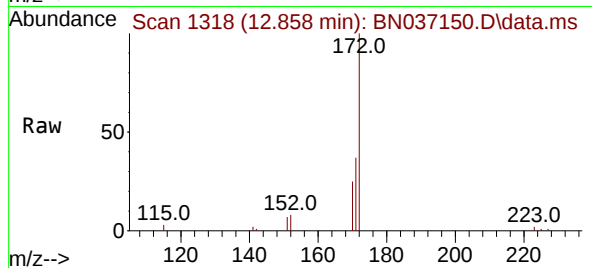




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

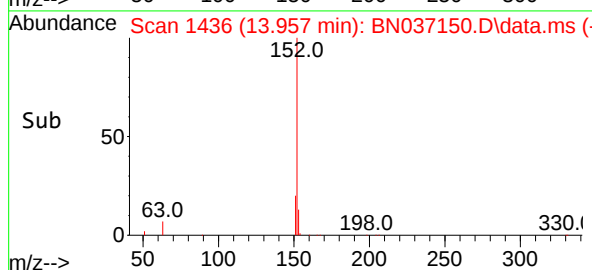
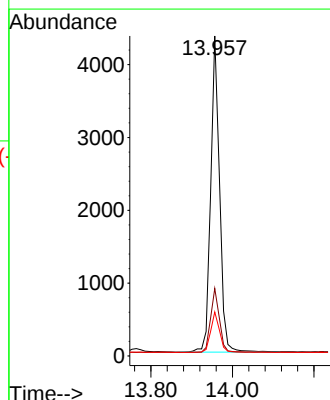
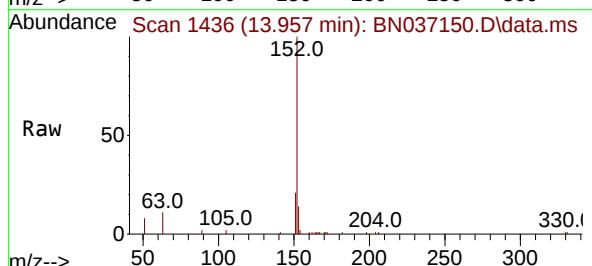
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

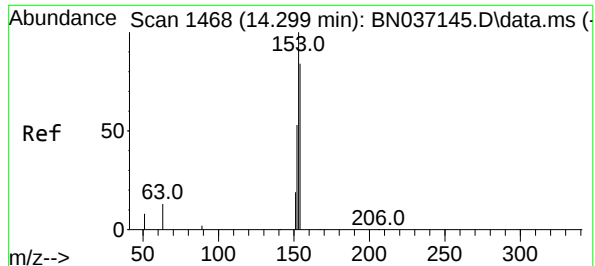
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	25.1	20.3	30.5



#16
Acenaphthylene
Concen: 0.404 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

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





#17

Acenaphthene

Concen: 0.373 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

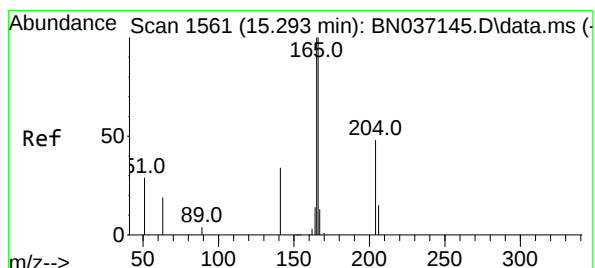
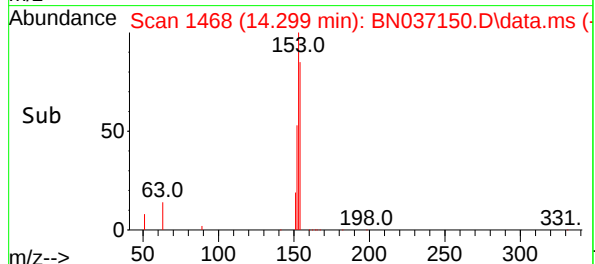
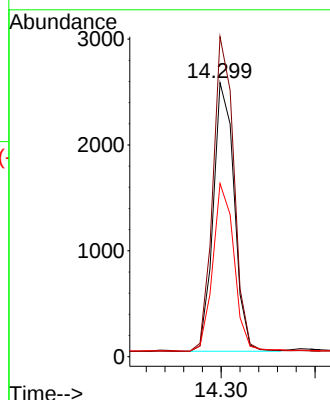
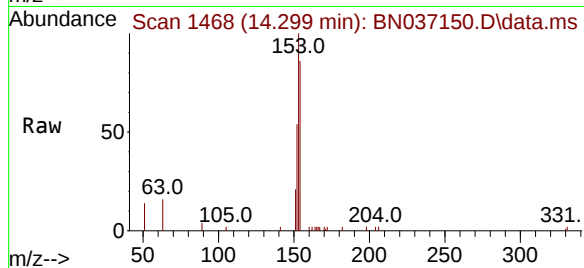
Tgt Ion:154 Resp: 3940

Ion Ratio Lower Upper

154 100

153 118.0 93.8 140.8

152 63.2 50.5 75.7



#18

Fluorene

Concen: 0.373 ng

RT: 15.293 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

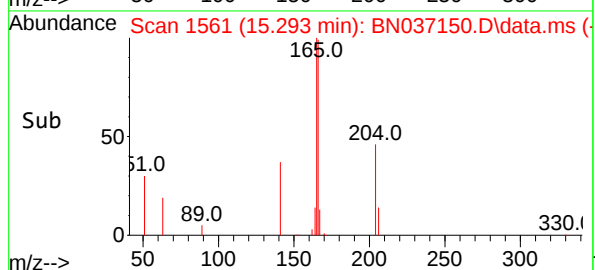
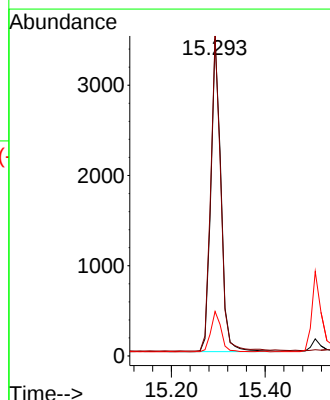
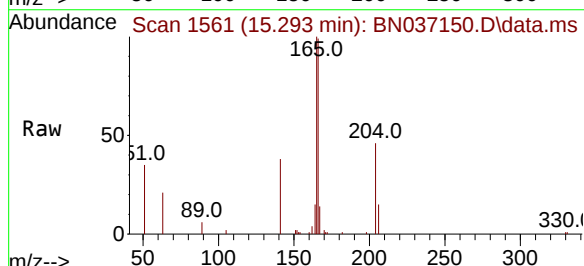
Tgt Ion:166 Resp: 5182

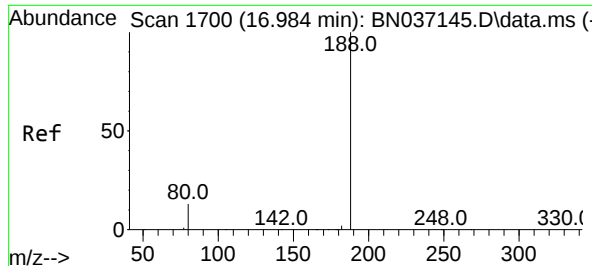
Ion Ratio Lower Upper

166 100

165 100.6 81.1 121.7

167 13.2 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

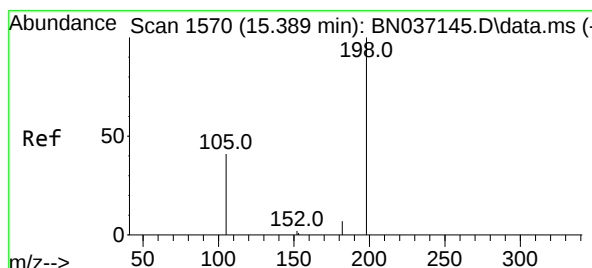
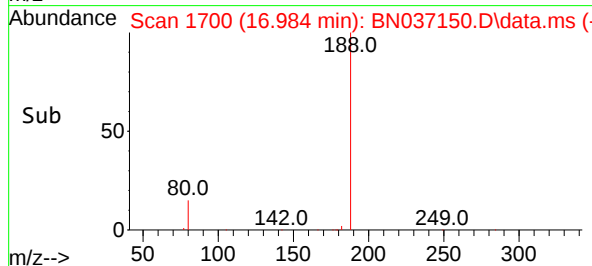
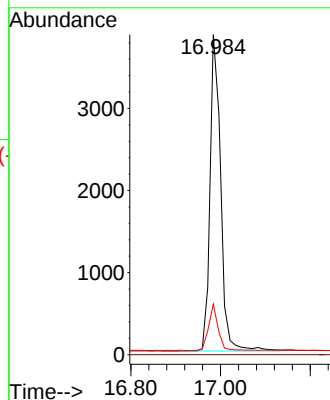
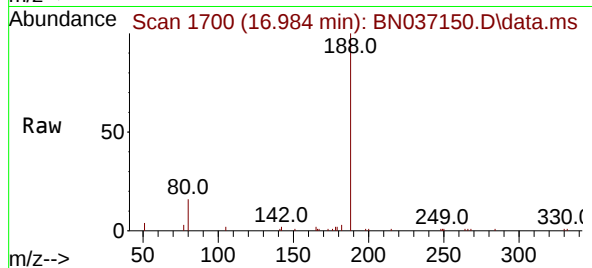
Tgt Ion:188 Resp: 6332

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.8 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.462 ng

RT: 15.389 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

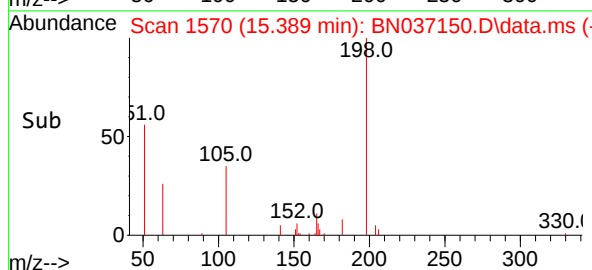
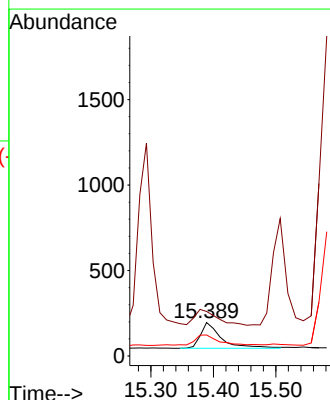
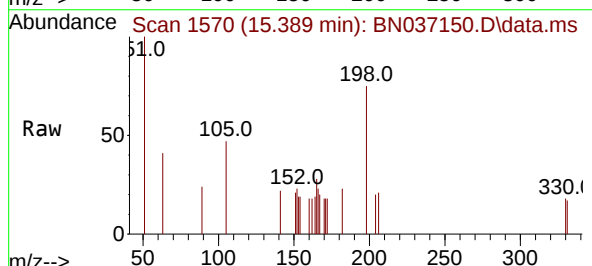
Tgt Ion:198 Resp: 348

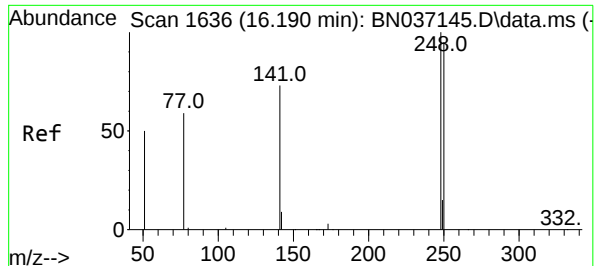
Ion Ratio Lower Upper

198 100

51 132.7 125.2 187.8

105 62.8 57.1 85.7

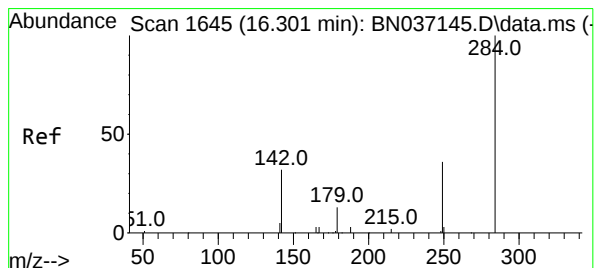
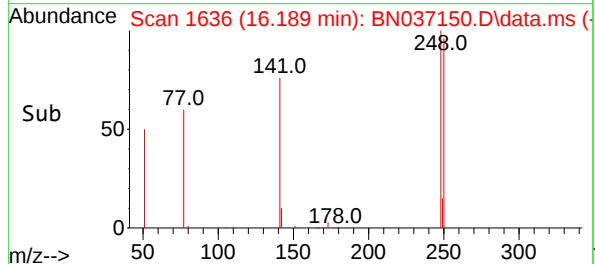
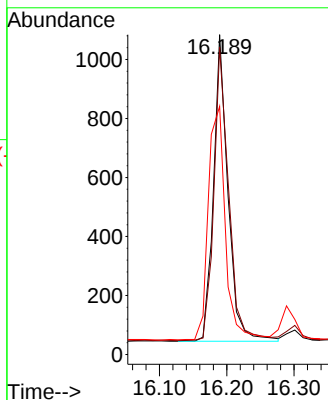
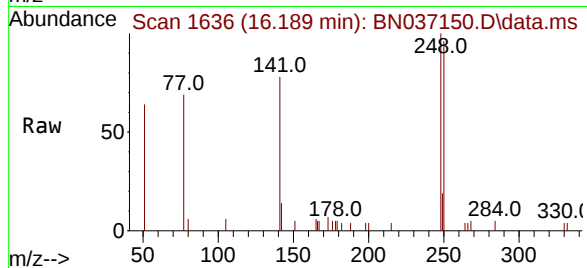




#21
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

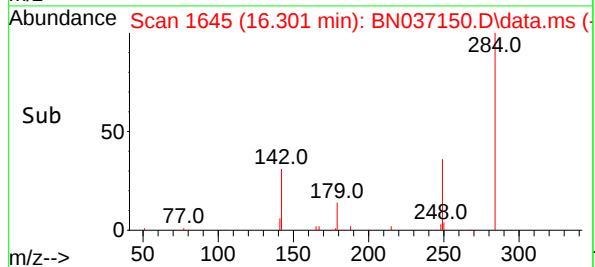
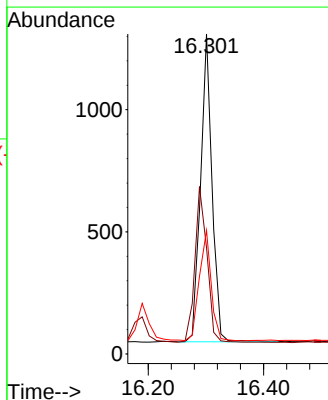
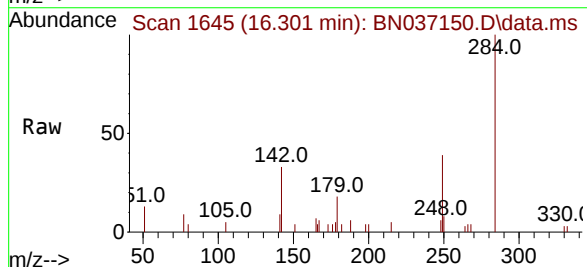
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

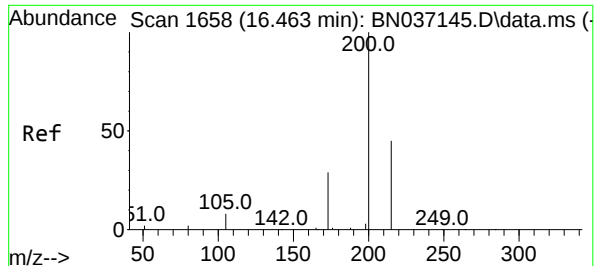
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.1	114.1
141	77.6	60.1	90.1



#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	53.8	44.0	66.0
249	37.4	29.7	44.5

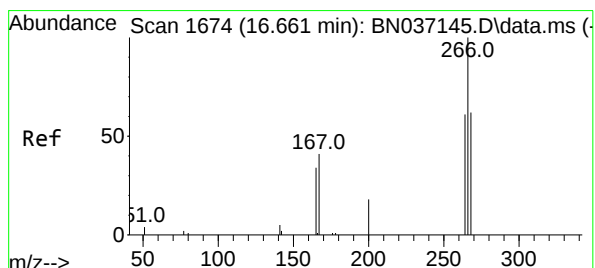
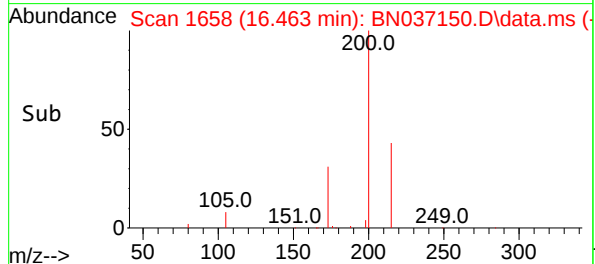
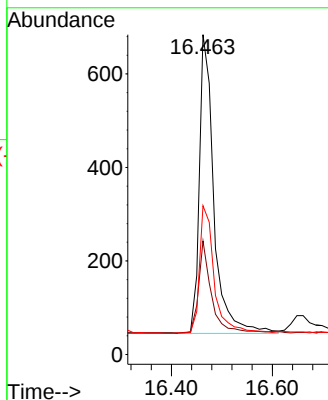
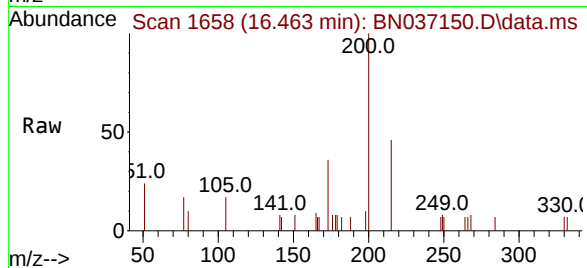




#23
Atrazine
Concen: 0.374 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

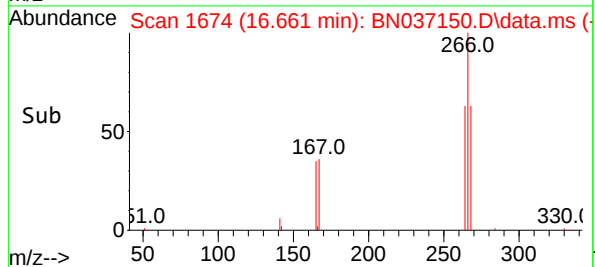
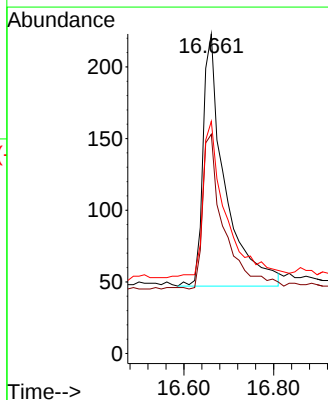
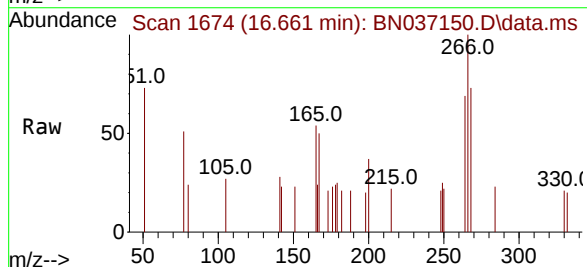
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

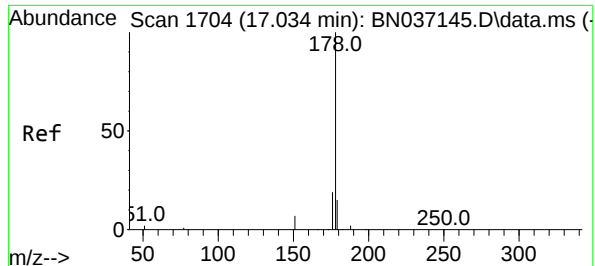
Tgt Ion	Ratio	Lower	Upper
200	100		
173	35.5	28.1	42.1
215	46.5	39.3	58.9



#24
Pentachlorophenol
Concen: 0.436 ng
RT: 16.661 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.2	49.3	73.9
268	64.0	49.0	73.4

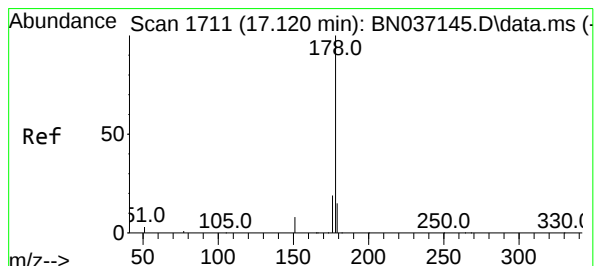
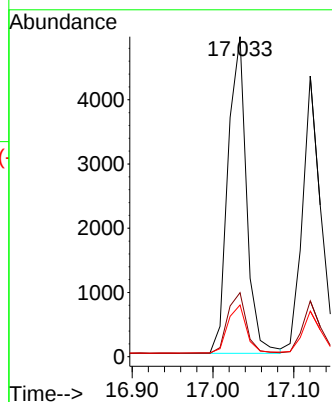
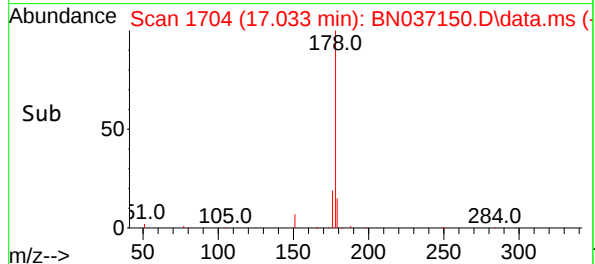
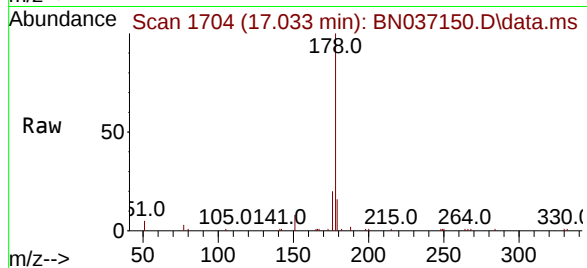




#25
Phenanthrene
Concen: 0.384 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

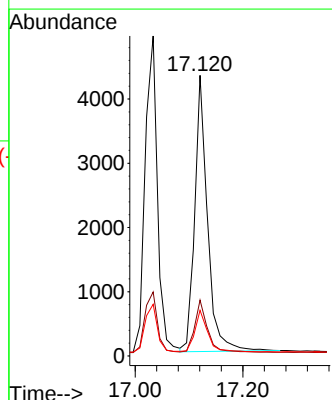
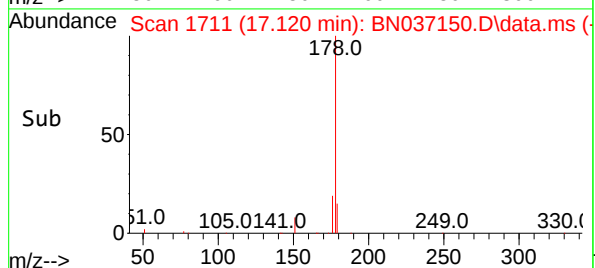
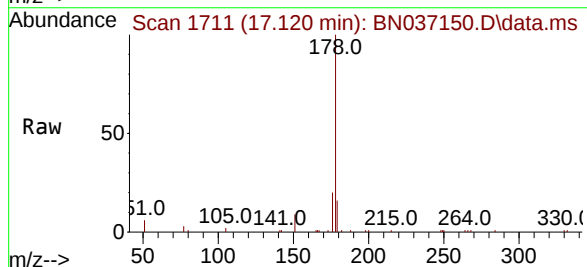
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

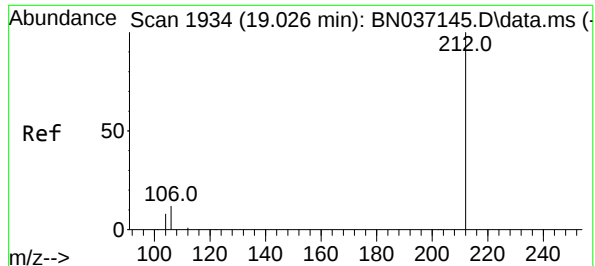
Tgt Ion:178 Resp: 7869
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.7 12.3 18.5



#26
Anthracene
Concen: 0.380 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:178 Resp: 7105
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.5 12.9 19.3

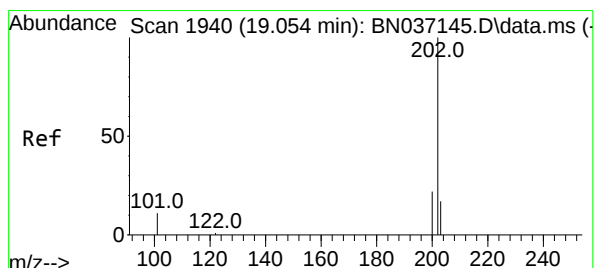
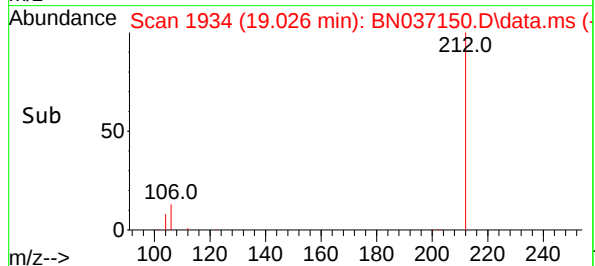
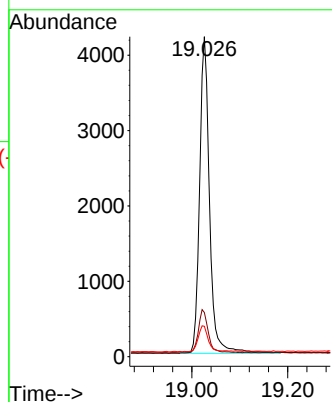
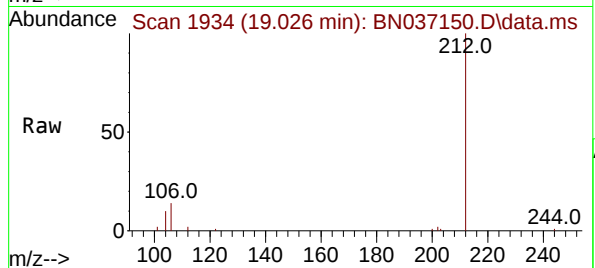




#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

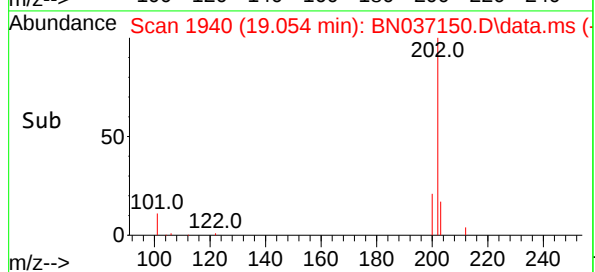
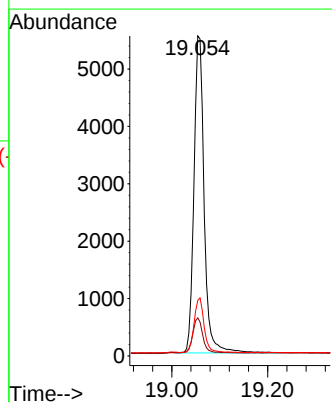
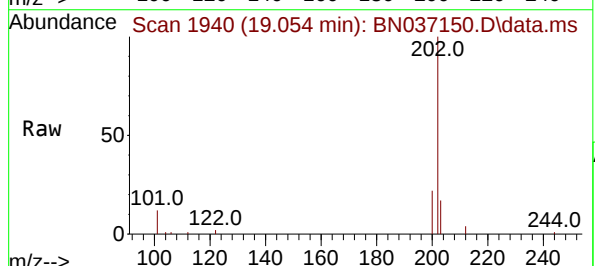
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

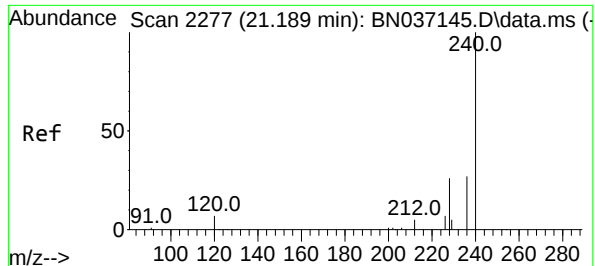
Tgt Ion:212 Resp: 6037
Ion Ratio Lower Upper
212 100
106 13.7 10.6 15.8
104 8.2 6.6 9.8



#28
Fluoranthene
Concen: 0.361 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion:202 Resp: 8186
Ion Ratio Lower Upper
202 100
101 11.4 8.7 13.1
203 16.7 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

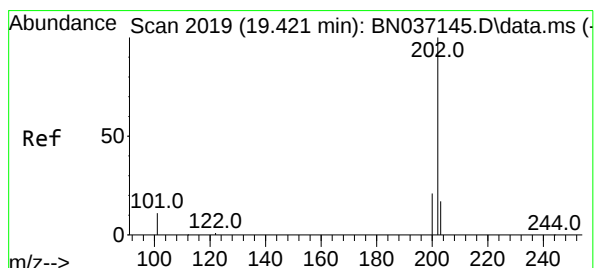
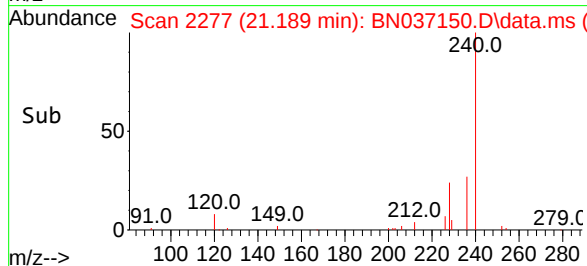
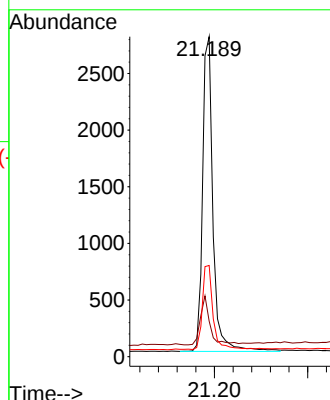
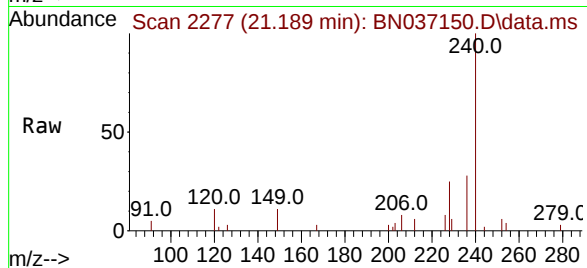
Tgt Ion:240 Resp: 4292

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 28.5 23.0 34.4



#30

Pyrene

Concen: 0.389 ng

RT: 19.421 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

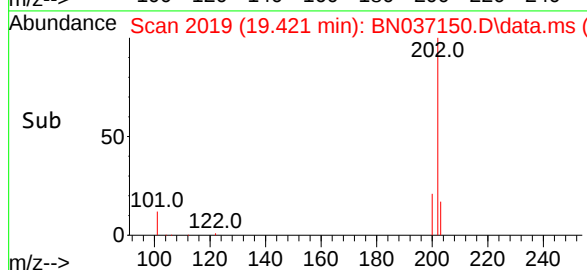
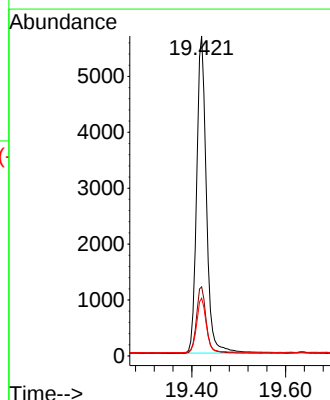
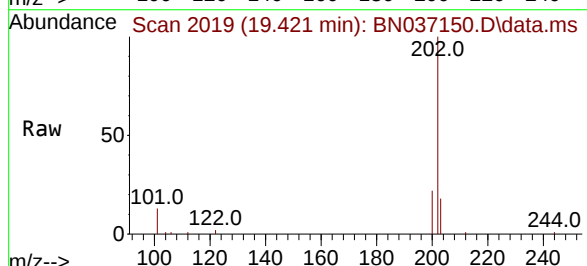
Tgt Ion:202 Resp: 8148

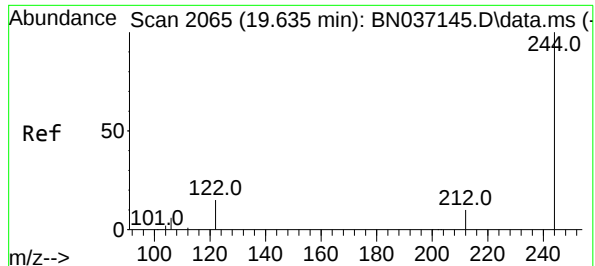
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 17.3 14.2 21.4

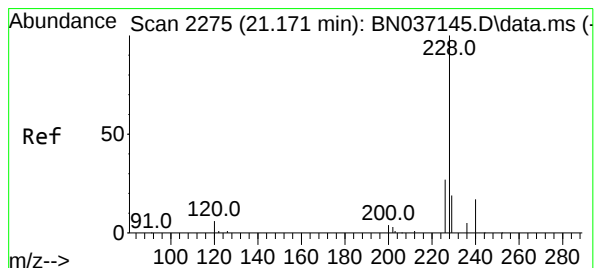
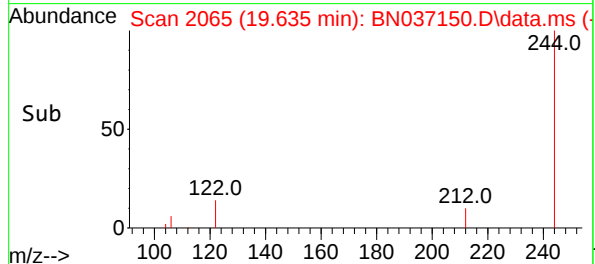
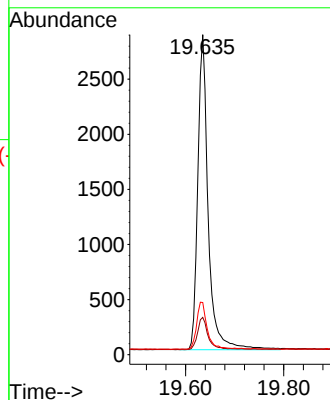
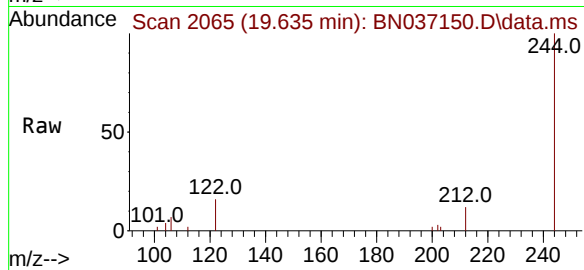




#31
Terphenyl-d14
Concen: 0.415 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

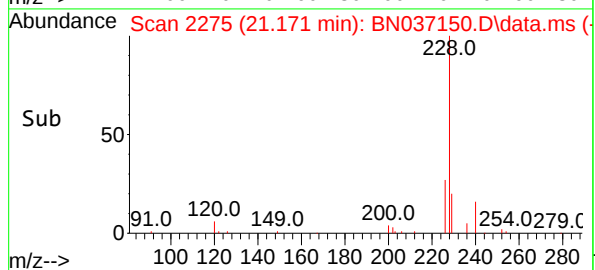
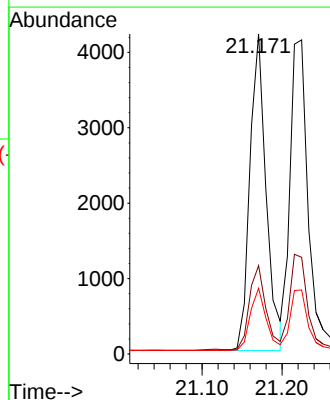
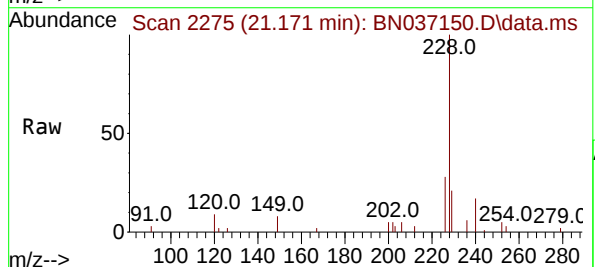
Instrument :
BNA_N
ClientSampleId :
ICVBN060325

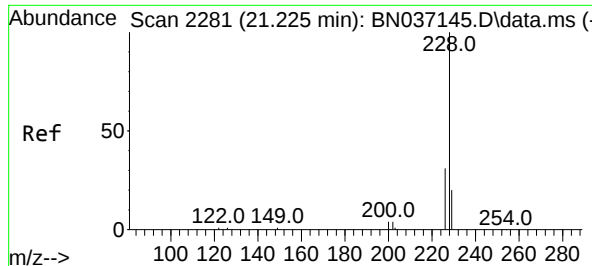
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.6	10.0	15.0
122	16.3	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037150.D
Acq: 03 Jun 2025 15:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.5	16.2	24.2





#33

Chrysene

Concen: 0.385 ng

RT: 21.224 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

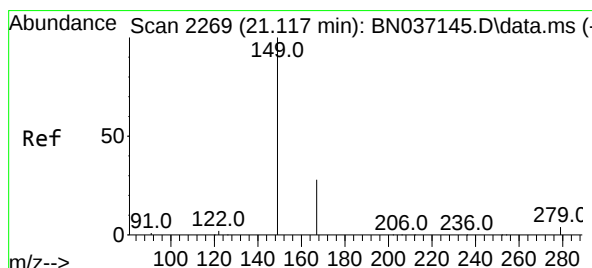
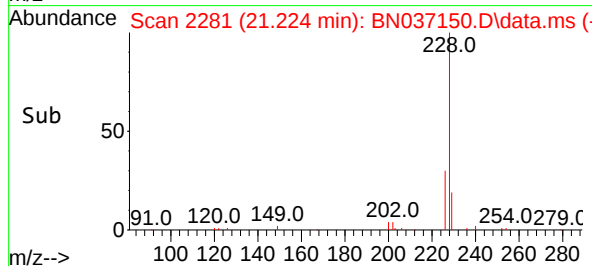
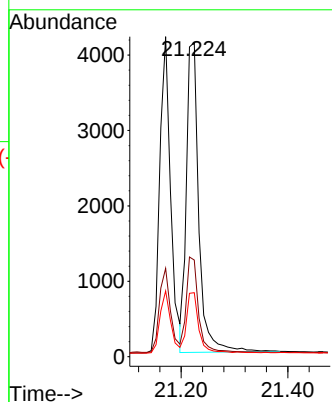
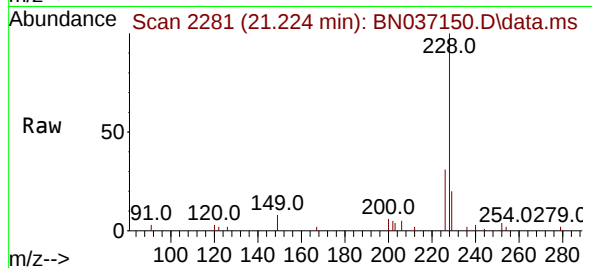
Tgt Ion:228 Resp: 6661

Ion Ratio Lower Upper

228 100

226 30.8 25.2 37.8

229 20.4 16.8 25.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.117 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

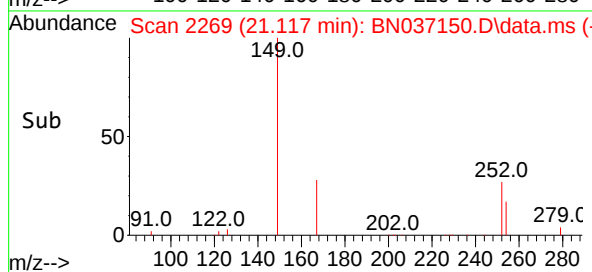
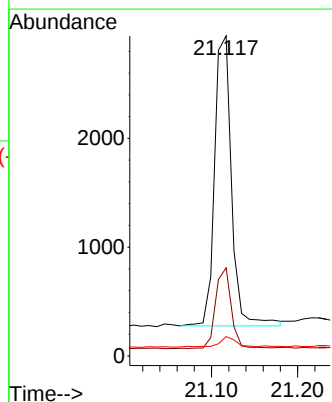
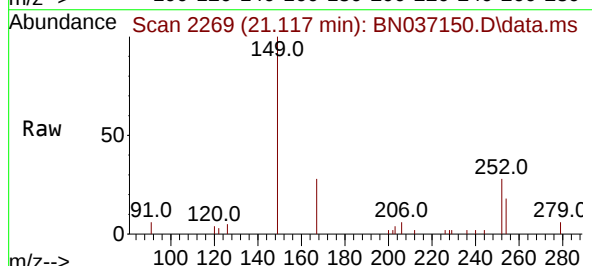
Tgt Ion:149 Resp: 3635

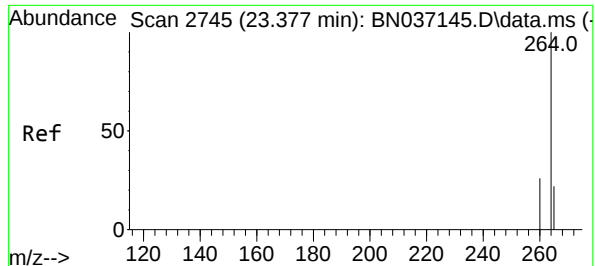
Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.4

279 3.4 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037150.D

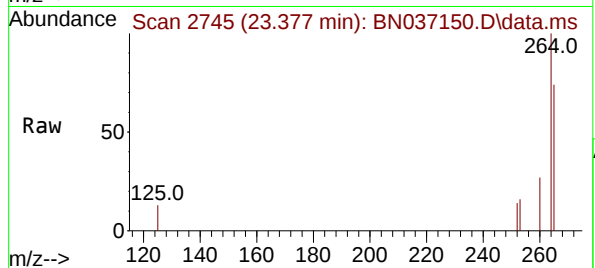
Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325



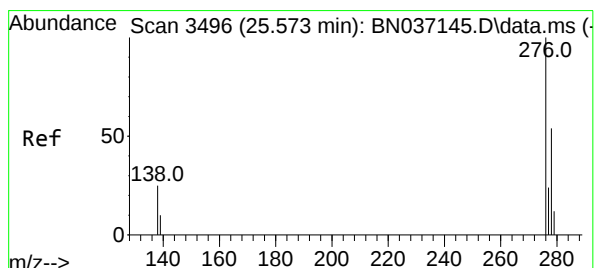
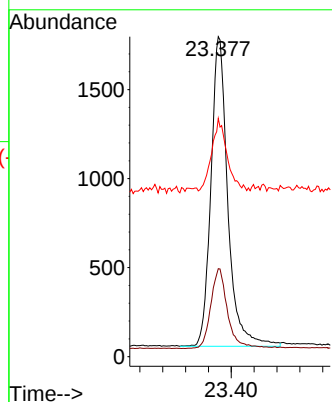
Tgt Ion:264 Resp: 3564

Ion Ratio Lower Upper

264 100

260 27.5 22.1 33.1

265 74.5 55.8 83.8



#36

Indeno(1,2,3-cd)pyrene

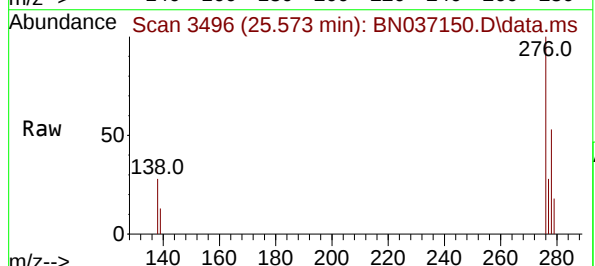
Concen: 0.385 ng

RT: 25.573 min Scan# 3496

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53



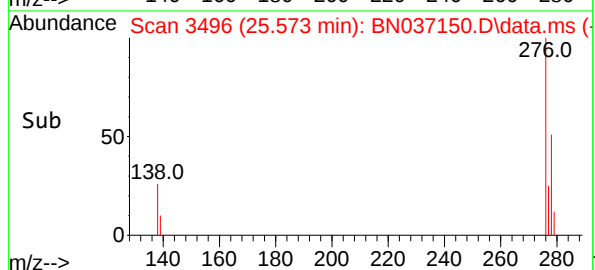
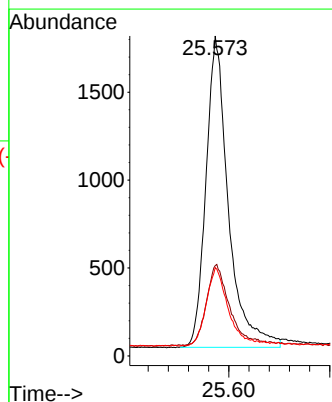
Tgt Ion:276 Resp: 5461

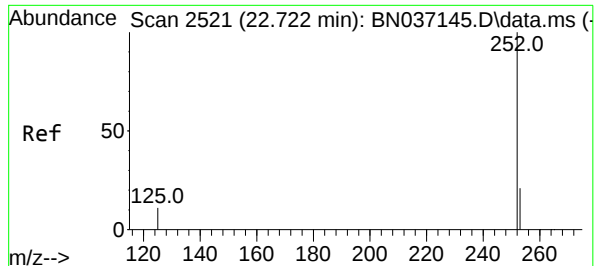
Ion Ratio Lower Upper

276 100

138 26.2 21.0 31.6

277 24.3 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.378 ng

RT: 22.720 min Scan# 2520

Delta R.T. -0.003 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

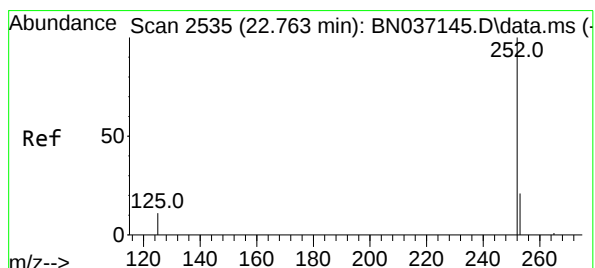
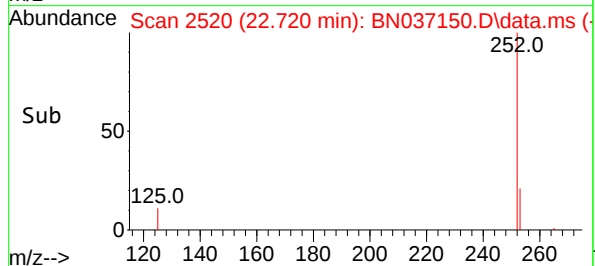
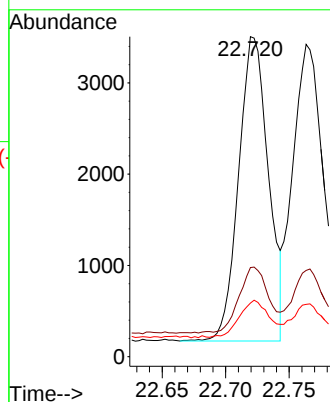
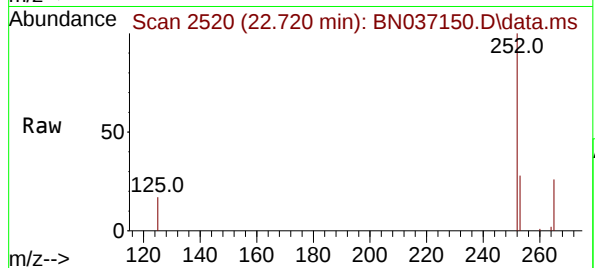
Tgt Ion:252 Resp: 5432

Ion Ratio Lower Upper

252 100

253 27.8 22.3 33.5

125 16.7 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.399 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

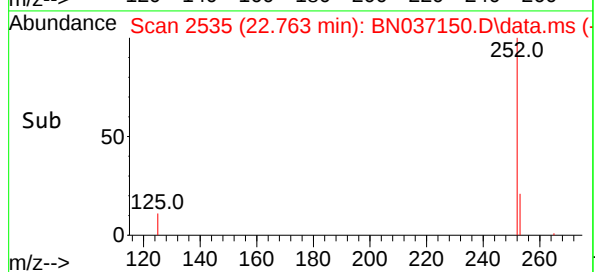
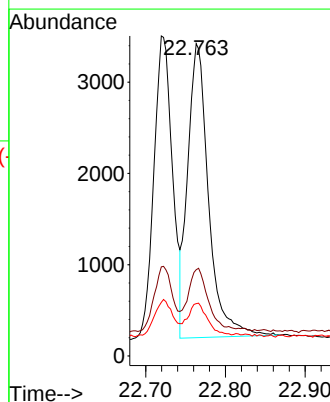
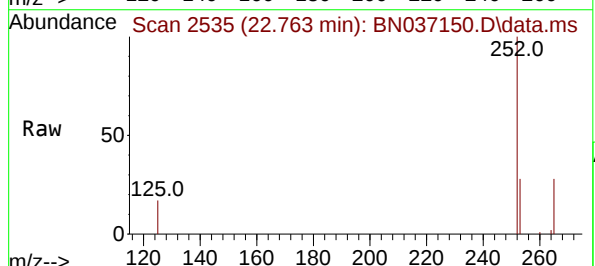
Tgt Ion:252 Resp: 5859

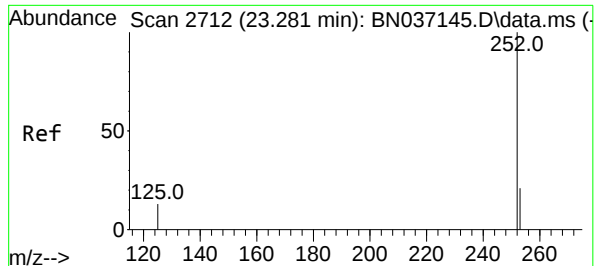
Ion Ratio Lower Upper

252 100

253 27.6 22.2 33.4

125 16.7 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.409 ng

RT: 23.281 min Scan# 2712

Delta R.T. -0.000 min

Lab File: BN037150.D

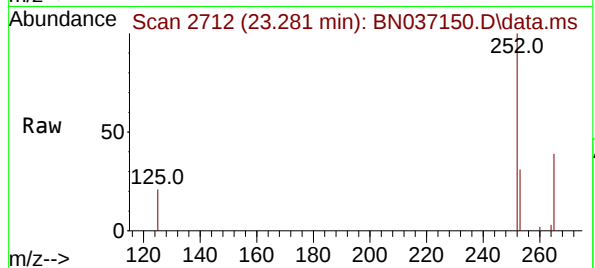
Acq: 03 Jun 2025 15:53

Instrument :

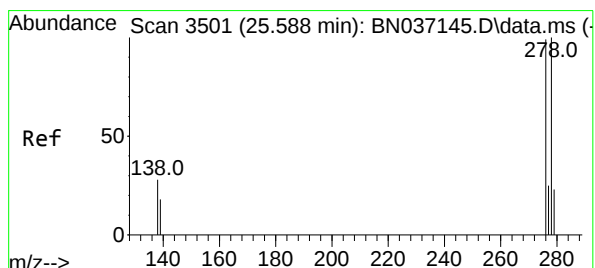
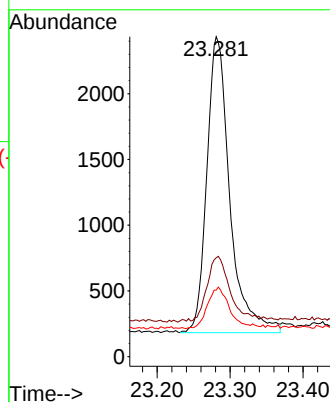
BNA_N

ClientSampleId :

ICVBN060325



Tgt Ion:	252	Resp:	4925
Ion	Ratio	Lower	Upper
252	100		
253	30.9	25.0	37.4
125	20.8	17.0	25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.387 ng

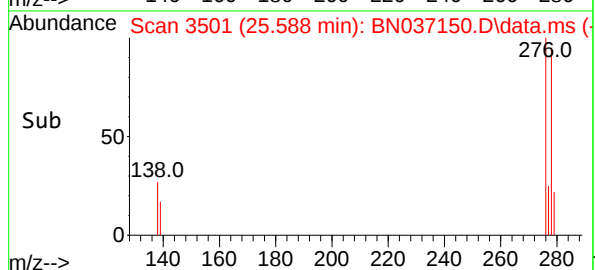
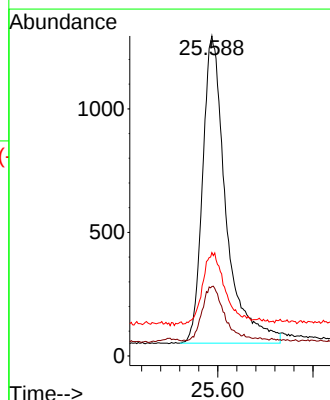
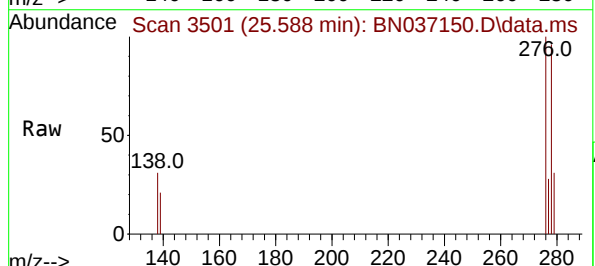
RT: 25.588 min Scan# 3501

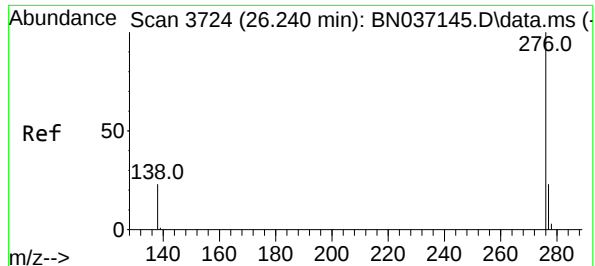
Delta R.T. -0.000 min

Lab File: BN037150.D

Acq: 03 Jun 2025 15:53

Tgt Ion:	278	Resp:	4227
Ion	Ratio	Lower	Upper
278	100		
139	21.7	17.6	26.4
279	32.3	26.0	39.0





#41

Benzo(g,h,i)perylene

Concen: 0.368 ng

RT: 26.248 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN037150.D

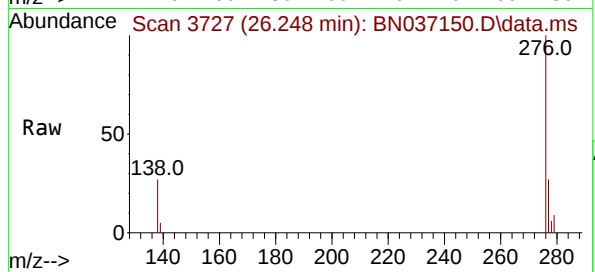
Acq: 03 Jun 2025 15:53

Instrument :

BNA_N

ClientSampleId :

ICVBN060325



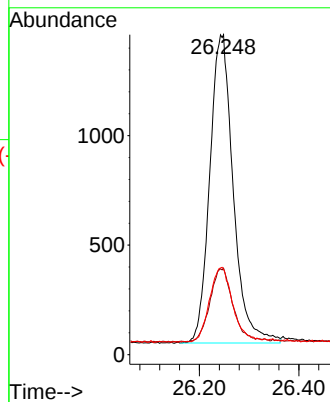
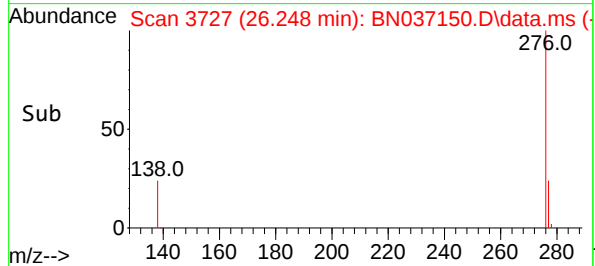
Tgt Ion:276 Resp: 4620

Ion Ratio Lower Upper

276 100

277 27.0 20.9 31.3

138 26.8 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037150.D
 Acq On : 03 Jun 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN060325

Quant Time: Jun 04 01:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2	1,4-Dioxane	0.533	0.551	-3.4	116	0.00
3	n-Nitrosodimethylamine	1.071	1.045	2.4	106	0.00
4 S	2-Fluorophenol	0.989	0.894	9.6	102	0.00
5 S	Phenol-d6	1.199	1.073	10.5	102	0.00
6	bis(2-Chloroethyl)ether	1.144	1.205	-5.3	115	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
8 S	Nitrobenzene-d5	0.422	0.420	0.5	113	0.00
9	Naphthalene	1.154	1.137	1.5	115	0.01
10	Hexachlorobutadiene	0.251	0.253	-0.8	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.557	0.554	0.5	111	0.00
12	2-Methylnaphthalene	0.740	0.652	11.9	106	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	115	0.01
14 S	2,4,6-Tribromophenol	0.161	0.133	17.4	105	0.00
15 S	2-Fluorobiphenyl	1.705	1.716	-0.6	121	0.00
16	Acenaphthylene	1.961	1.980	-1.0	129	0.00
17	Acenaphthene	1.273	1.187	6.8	118	0.00
18	Fluorene	1.674	1.561	6.8	118	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
20	4,6-Dinitro-2-methylphenol	0.077	0.055	28.6#	128	0.00
21	4-Bromophenyl-phenylether	0.262	0.244	6.9	116	0.00
22	Hexachlorobenzene	0.283	0.275	2.8	119	0.00
23	Atrazine	0.216	0.202	6.5	126	0.00
24	Pentachlorophenol	0.124	0.093	25.0	118	0.00
25	Phenanthrene	1.296	1.243	4.1	121	0.00
26	Anthracene	1.183	1.122	5.2	126	0.00
27 SURR	Fluoranthene-d10	1.016	0.953	6.2	114	0.00
28	Fluoranthene	1.432	1.293	9.7	118	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	114	0.00
30	Pyrene	1.953	1.898	2.8	118	0.00
31 S	Terphenyl-d14	0.942	0.978	-3.8	124	0.00
32	Benzo(a)anthracene	1.448	1.386	4.3	122	0.00
33	Chrysene	1.612	1.552	3.7	120	0.00
34	Bis(2-ethylhexyl)phthalate	0.914	0.847	7.3	125	0.00
35 I	Perylene-d12	1.000	1.000	0.0	105	0.00
36	Indeno(1,2,3-cd)pyrene	1.591	1.532	3.7	107	0.00
37	Benzo(b)fluoranthene	1.615	1.524	5.6	113	0.00
38	Benzo(k)fluoranthene	1.648	1.644	0.2	118	0.00
39 C	Benzo(a)pyrene	1.352	1.382	-2.2	119	0.00
40	Dibenzo(a,h)anthracene	1.227	1.186	3.3	108	0.00
41	Benzo(g,h,i)perylene	1.410	1.296	8.1	101	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN060325

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
 Data File : BN037150.D
 Acq On : 03 Jun 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN060325

Quant Time: Jun 04 01:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	107	0.00
2	1,4-Dioxane	0.400	0.413	-3.2	116	0.00
3	n-Nitrosodimethylamine	0.400	0.390	2.5	106	0.00
4 S	2-Fluorophenol	0.400	0.361	9.8	102	0.00
5 S	Phenol-d6	0.400	0.358	10.5	102	0.00
6	bis(2-Chloroethyl)ether	0.400	0.421	-5.2	115	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	113	0.00
8 S	Nitrobenzene-d5	0.400	0.398	0.5	113	0.00
9	Naphthalene	0.400	0.394	1.5	115	0.01
10	Hexachlorobutadiene	0.400	0.402	-0.5	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.398	0.5	111	0.00
12	2-Methylnaphthalene	0.400	0.352	12.0	106	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	115	0.01
14 S	2,4,6-Tribromophenol	0.400	0.329	17.8	105	0.00
15 S	2-Fluorobiphenyl	0.400	0.402	-0.5	121	0.00
16	Acenaphthylene	0.400	0.404	-1.0	129	0.00
17	Acenaphthene	0.400	0.373	6.8	118	0.00
18	Fluorene	0.400	0.373	6.8	118	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	116	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.462	-15.5	128	0.00
21	4-Bromophenyl-phenylether	0.400	0.372	7.0	116	0.00
22	Hexachlorobenzene	0.400	0.389	2.8	119	0.00
23	Atrazine	0.400	0.374	6.5	126	0.00
24	Pentachlorophenol	0.400	0.436	-9.0	118	0.00
25	Phenanthrene	0.400	0.384	4.0	121	0.00
26	Anthracene	0.400	0.380	5.0	126	0.00
27 SURR	Fluoranthene-d10	0.400	0.375	6.3	114	0.00
28	Fluoranthene	0.400	0.361	9.8	118	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	114	0.00
30	Pyrene	0.400	0.389	2.8	118	0.00
31 S	Terphenyl-d14	0.400	0.415	-3.7	124	0.00
32	Benzo(a)anthracene	0.400	0.383	4.3	122	0.00
33	Chrysene	0.400	0.385	3.8	120	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.371	7.3	125	0.00
35 I	Perylene-d12	0.400	0.400	0.0	105	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.385	3.8	107	0.00
37	Benzo(b)fluoranthene	0.400	0.378	5.5	113	0.00
38	Benzo(k)fluoranthene	0.400	0.399	0.3	118	0.00
39 C	Benzo(a)pyrene	0.400	0.409	-2.2	119	0.00
40	Dibenzo(a,h)anthracene	0.400	0.387	3.3	108	0.00
41	Benzo(g,h,i)perylene	0.400	0.368	8.0	101	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN060325



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG No.: Q2200

Instrument ID: BNA_N Calibration Date/Time: 06/05/2025 09:42

Lab File ID: BN037172.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.553		-0.7	20.0
Fluoranthene-d10	1.016	0.921		-9.4	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.117		-6.8	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.677		-1.6	20.0
2,4,6-Tribromophenol	0.161	0.143		-11.2	20.0
Terphenyl-d14	0.942	0.898		-4.7	20.0
1,4-Dioxane	0.533	0.502		-5.8	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037172.D
 Acq On : 05 Jun 2025 09:42
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jun 05 11:15:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

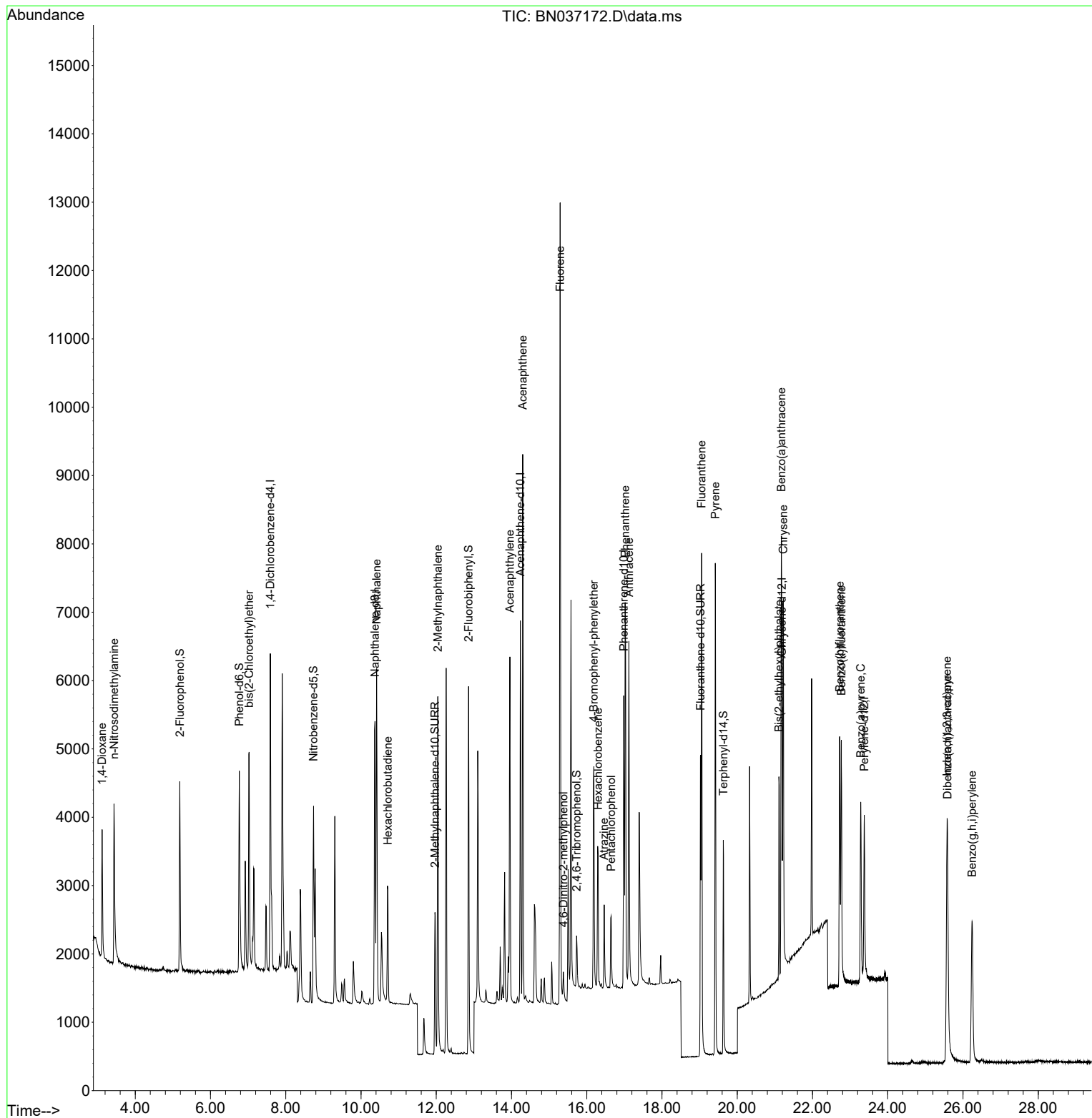
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2188	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5634	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	3073	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5620	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3619	0.400	ng	0.00
35) Perylene-d12	23.374	264	3205	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	2022	0.374	ng	0.00
5) Phenol-d6	6.766	99	2444	0.373	ng	0.00
8) Nitrobenzene-d5	8.739	82	2375	0.400	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	3116	0.397	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	438	0.354	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	5154	0.393	ng	0.00
27) Fluoranthene-d10	19.026	212	5176	0.362	ng	0.00
31) Terphenyl-d14	19.630	244	3249	0.381	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1098	0.376	ng	99
3) n-Nitrosodimethylamine	3.436	42	2207	0.377	ng	# 96
6) bis(2-Chloroethyl)ether	7.026	93	2471	0.395	ng	98
9) Naphthalene	10.415	128	6295	0.387	ng	99
10) Hexachlorobutadiene	10.714	225	1395	0.394	ng	# 98
12) 2-Methylnaphthalene	12.041	142	3867	0.371	ng	98
16) Acenaphthylene	13.956	152	5318	0.353	ng	99
17) Acenaphthene	14.299	154	3492	0.357	ng	99
18) Fluorene	15.293	166	4545	0.353	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	366	0.497	ng	85
21) 4-Bromophenyl-phenylether	16.189	248	1333	0.362	ng	94
22) Hexachlorobenzene	16.301	284	1545	0.389	ng	98
23) Atrazine	16.462	200	1029	0.338	ng	96
24) Pentachlorophenol	16.649	266	652	0.489	ng	99
25) Phenanthrene	17.021	178	6507	0.357	ng	100
26) Anthracene	17.120	178	5663	0.341	ng	99
28) Fluoranthene	19.054	202	6745	0.335	ng	100
30) Pyrene	19.416	202	6680	0.378	ng	100
32) Benzo(a)anthracene	21.171	228	4612	0.352	ng	98
33) Chrysene	21.224	228	5327	0.365	ng	100
34) Bis(2-ethylhexyl)phtha...	21.108	149	2897	0.350	ng	100
36) Indeno(1,2,3-cd)pyrene	25.576	276	4861	0.381	ng	99
37) Benzo(b)fluoranthene	22.722	252	4620	0.357	ng	97
38) Benzo(k)fluoranthene	22.766	252	4861	0.368	ng	99
39) Benzo(a)pyrene	23.281	252	3883	0.358	ng	97
40) Dibenzo(a,h)anthracene	25.590	278	3755	0.382	ng	99
41) Benzo(g,h,i)perylene	26.239	276	4344	0.385	ng	98

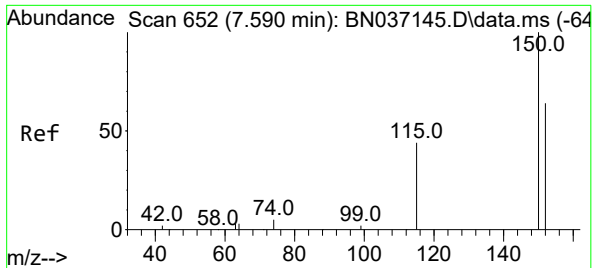
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037172.D
Acq On : 05 Jun 2025 09:42
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 05 11:15:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

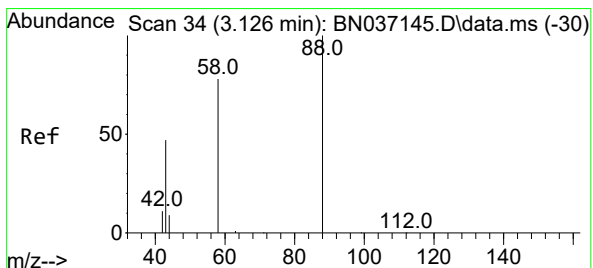
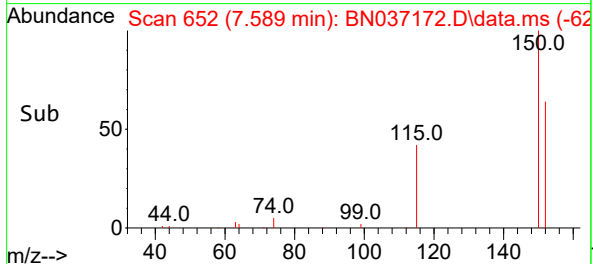
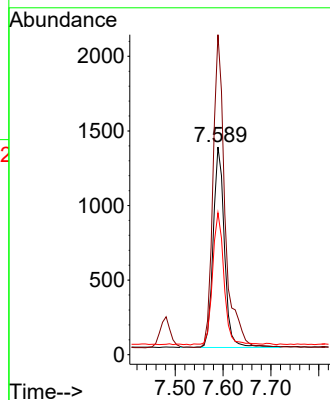
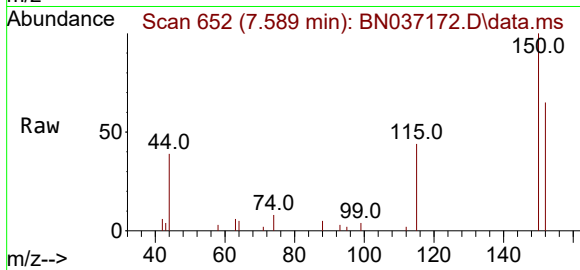




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

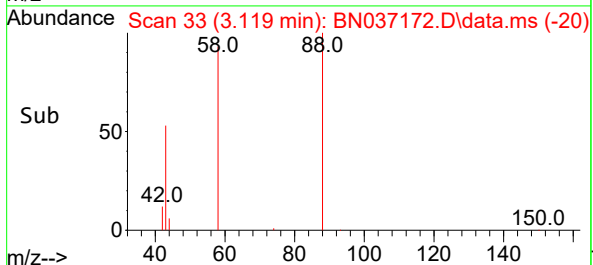
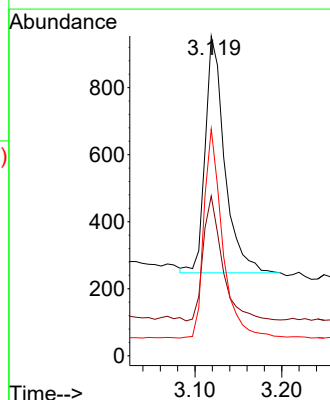
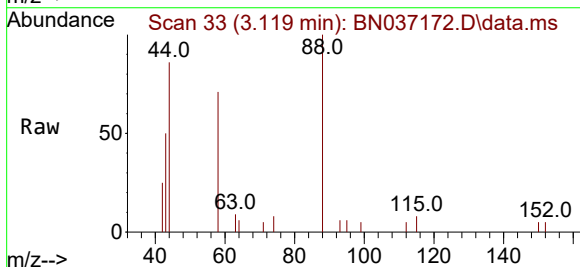
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2188
Ion Ratio Lower Upper
152 100
150 154.1 123.2 184.8
115 68.3 56.6 85.0

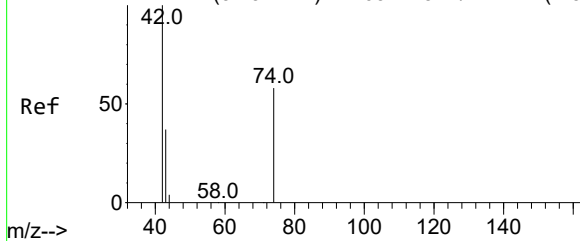


#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion: 88 Resp: 1098
Ion Ratio Lower Upper
88 100
43 52.7 43.5 65.3
58 84.8 67.7 101.5



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.377 ng

RT: 3.436 min Scan# 71

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 2207

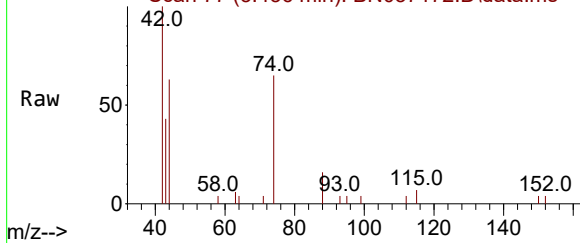
Ion Ratio Lower Upper

42 100

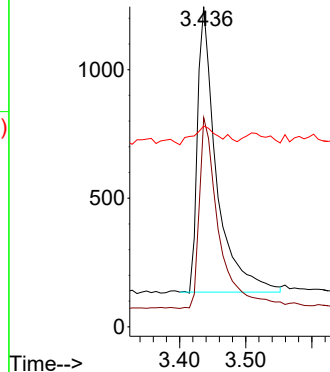
74 69.7 53.0 79.4

44 9.0 5.9 8.9#

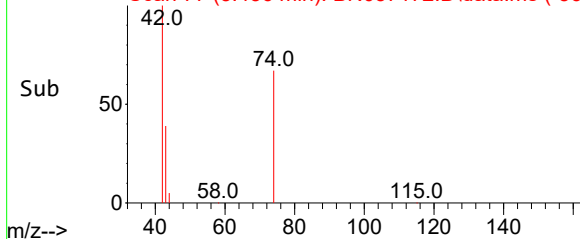
Abundance Scan 77 (3.436 min): BN037172.D\data.ms



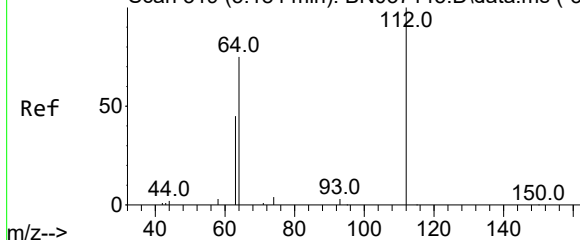
Abundance



Abundance Scan 77 (3.436 min): BN037172.D\data.ms (-56)



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



#4

2-Fluorophenol

Concen: 0.374 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Tgt Ion: 112 Resp: 2022

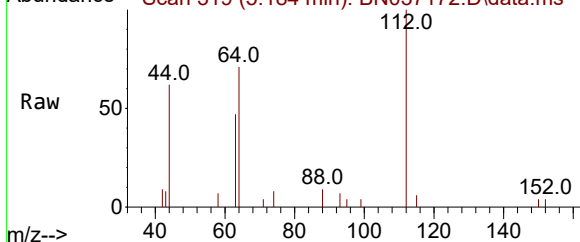
Ion Ratio Lower Upper

112 100

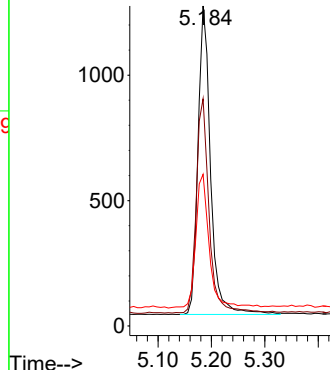
64 70.6 56.3 84.5

63 45.5 36.2 54.4

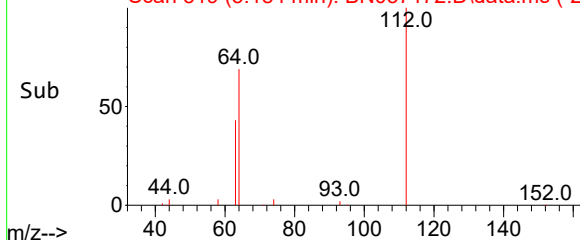
Abundance Scan 319 (5.184 min): BN037172.D\data.ms

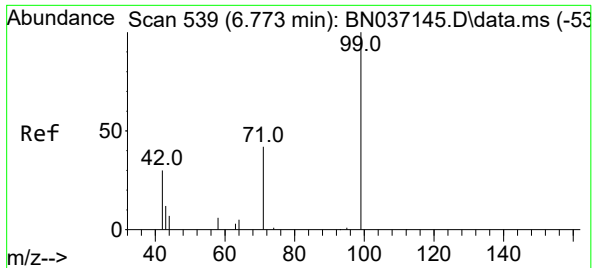


Abundance



Abundance Scan 319 (5.184 min): BN037172.D\data.ms (-29)

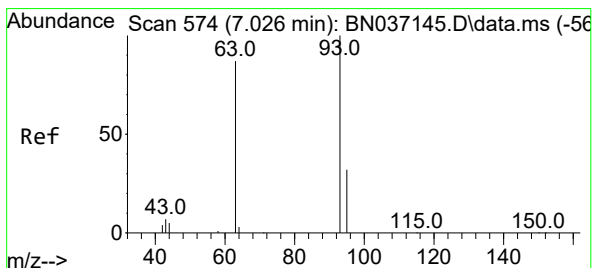
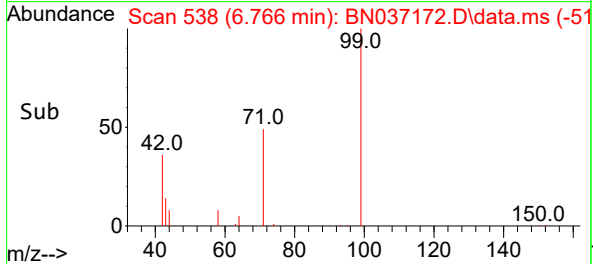
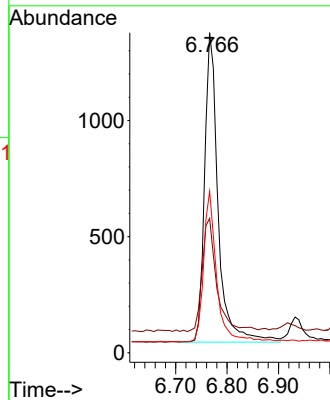
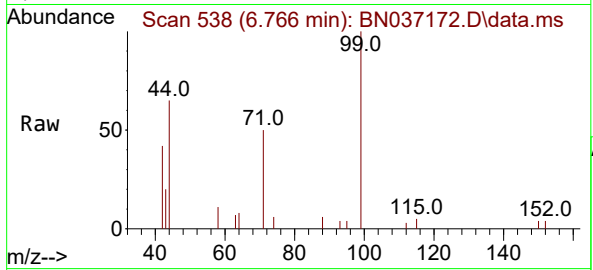




#5
Phenol-d6
Concen: 0.373 ng
RT: 6.766 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

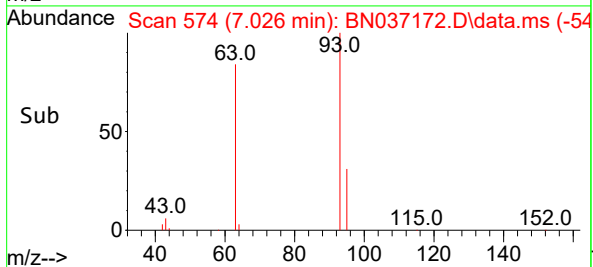
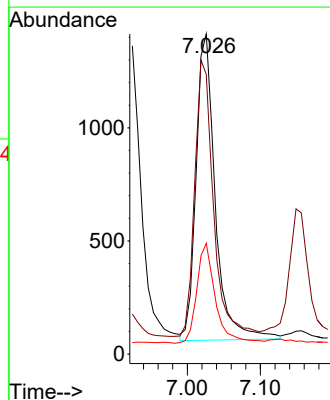
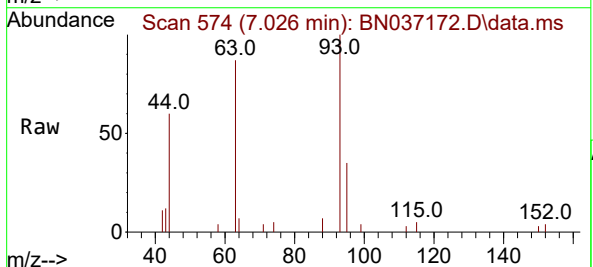
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

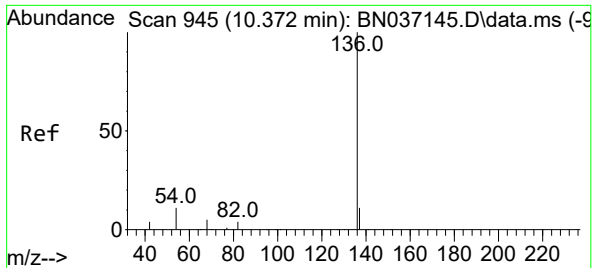
Tgt Ion	Ratio	Lower	Upper
99	100		
42	39.4	31.3	46.9
71	46.8	38.2	57.2



#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion	Ratio	Lower	Upper
93	100		
63	88.1	68.6	103.0
95	31.6	24.3	36.5

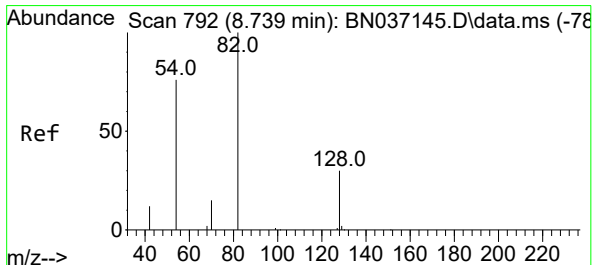
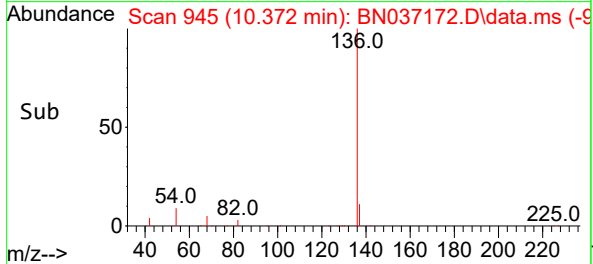
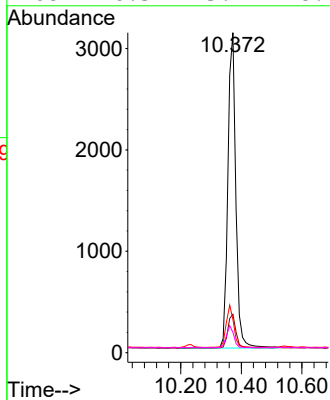
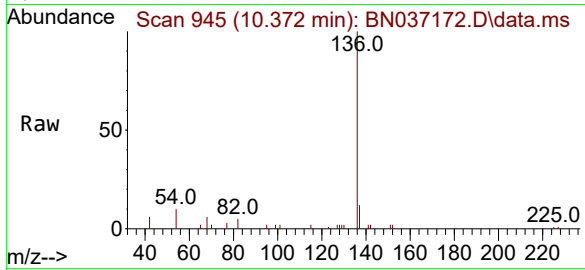




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

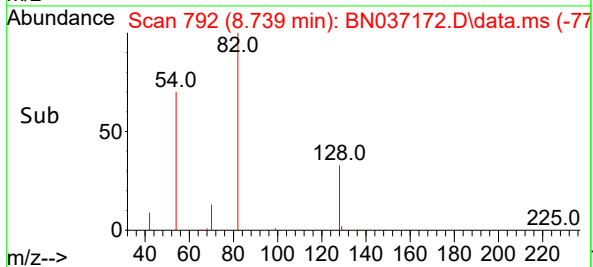
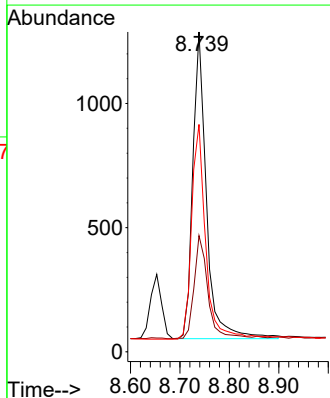
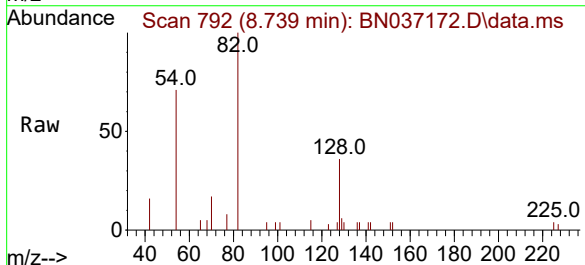
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

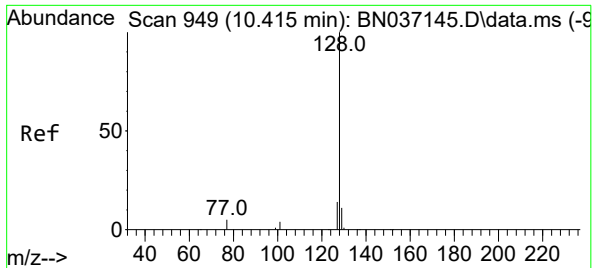
Tgt Ion:	136	Resp:	5634
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	10.4	9.7	14.5
68	6.3	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:	82	Resp:	2375
Ion	Ratio	Lower	Upper
82	100		
128	36.3	26.9	40.3
54	71.1	61.4	92.2

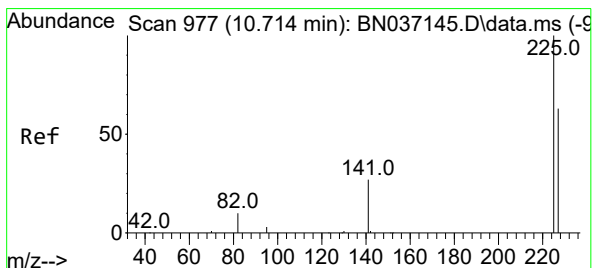
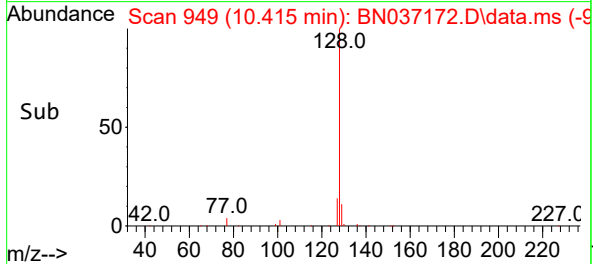
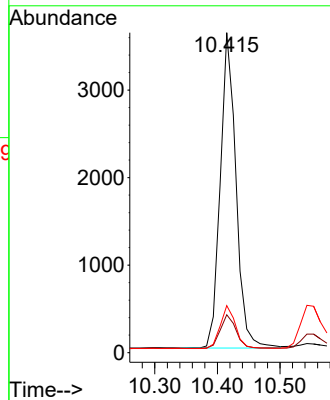
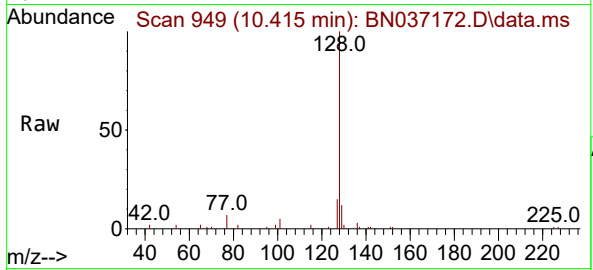




#9
Naphthalene
Concen: 0.387 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

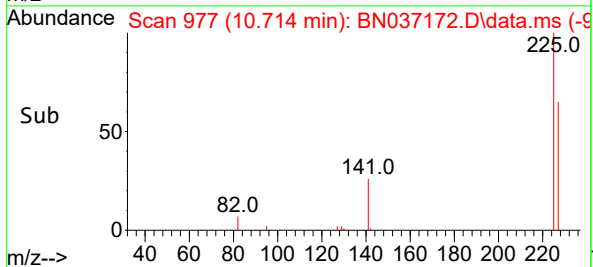
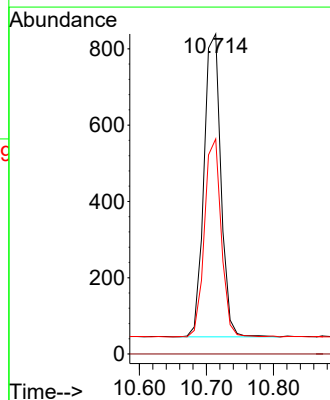
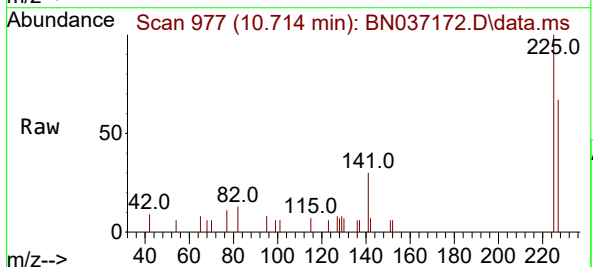
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

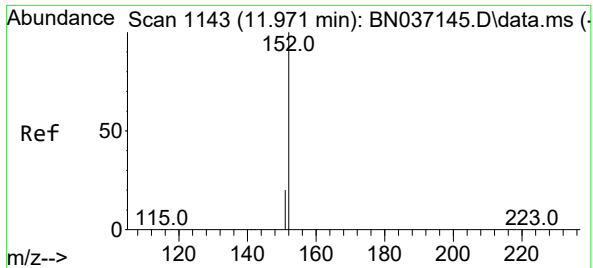
Tgt Ion:128 Resp: 6295
Ion Ratio Lower Upper
128 100
129 11.8 9.8 14.8
127 14.7 12.3 18.5



#10
Hexachlorobutadiene
Concen: 0.394 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:225 Resp: 1395
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.6 50.3 75.5

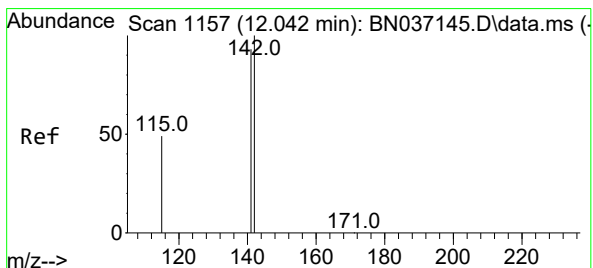
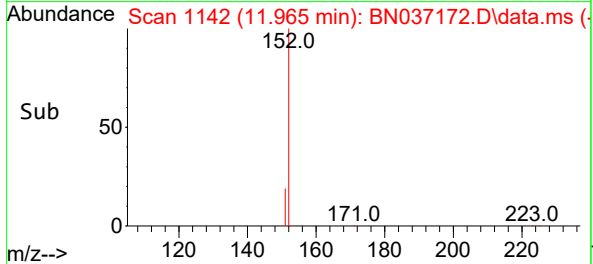
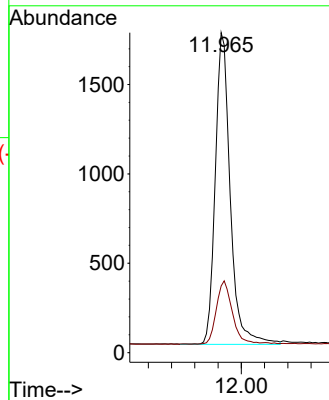
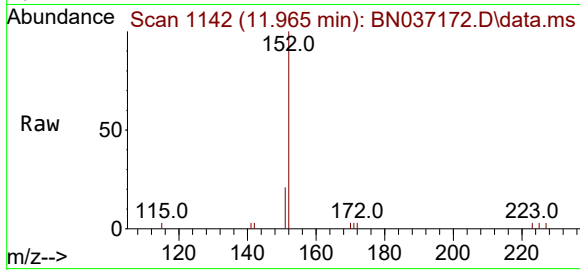




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

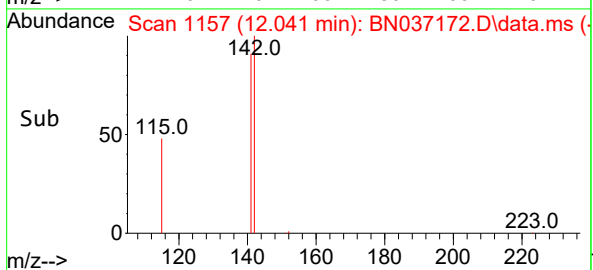
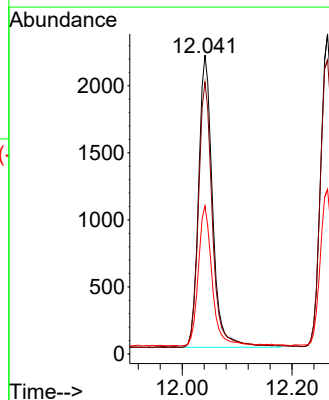
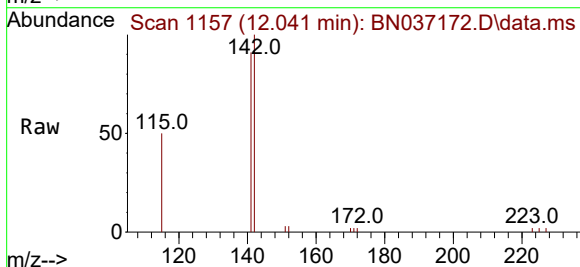
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

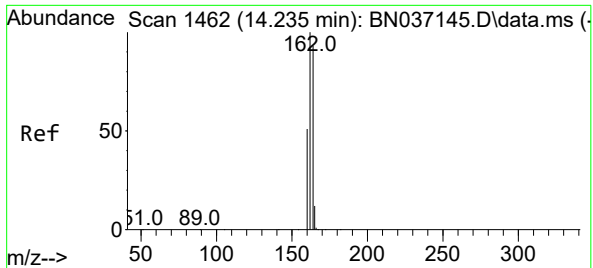
Tgt Ion:152 Resp: 3116
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.371 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:142 Resp: 3867
Ion Ratio Lower Upper
142 100
141 91.0 74.6 111.8
115 49.5 41.0 61.4

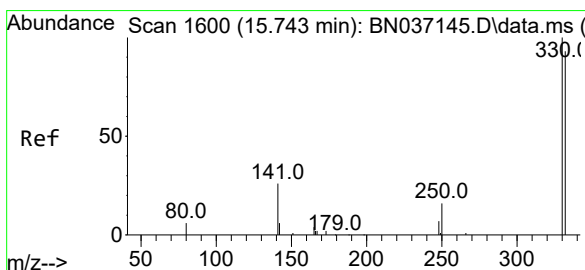
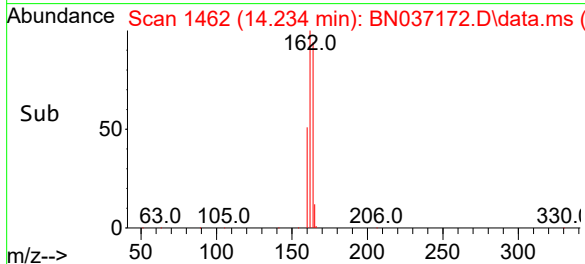
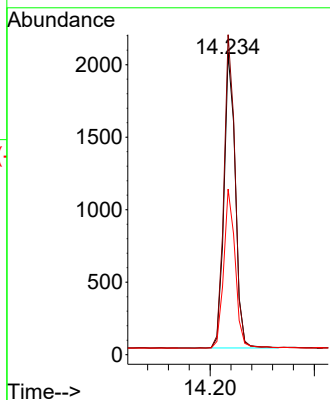
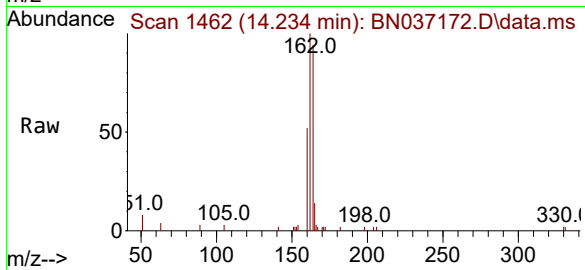




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

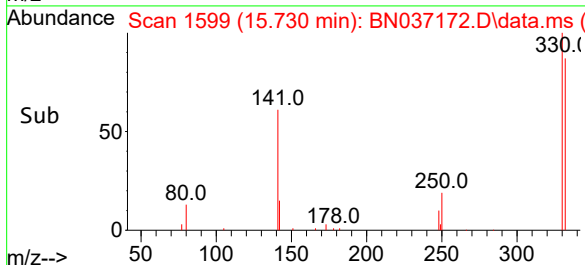
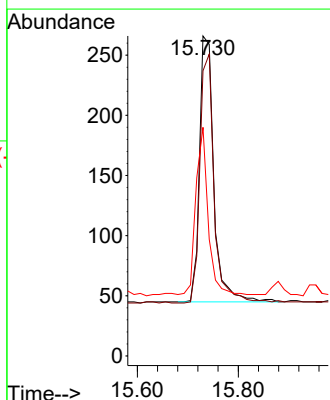
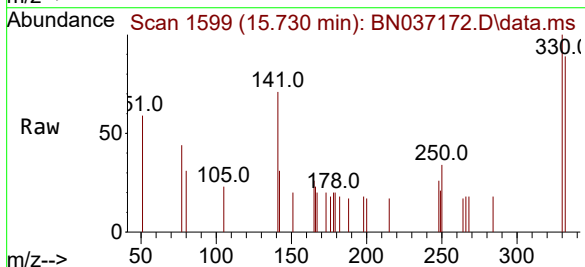
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

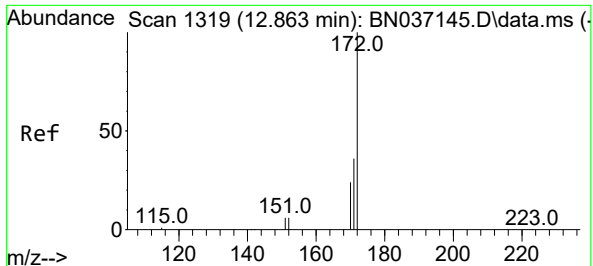
Tgt Ion:164 Resp: 3073
Ion Ratio Lower Upper
164 100
162 106.4 85.5 128.3
160 55.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:330 Resp: 438
Ion Ratio Lower Upper
330 100
332 93.8 77.1 115.7
141 56.4 46.4 69.6

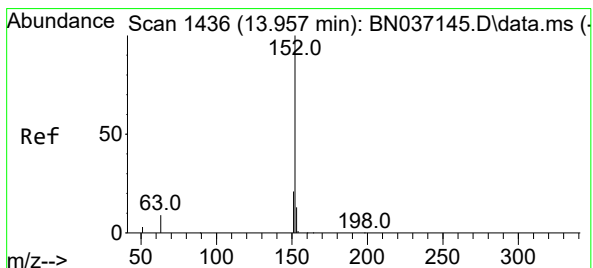
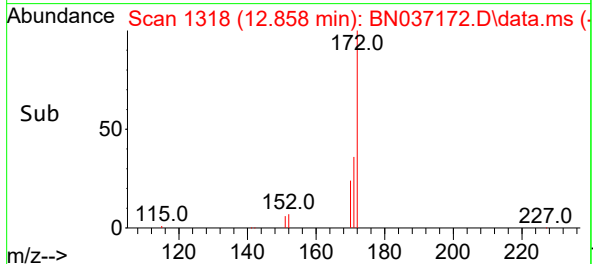
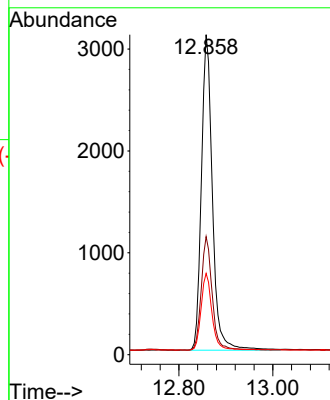
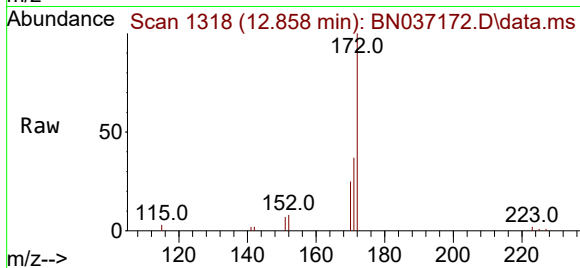




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

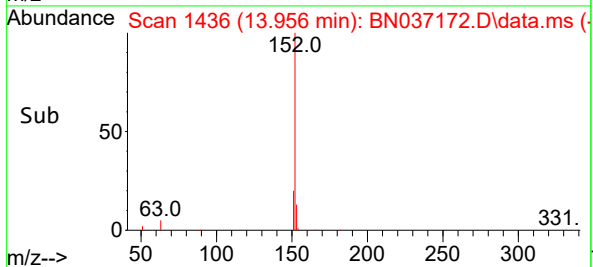
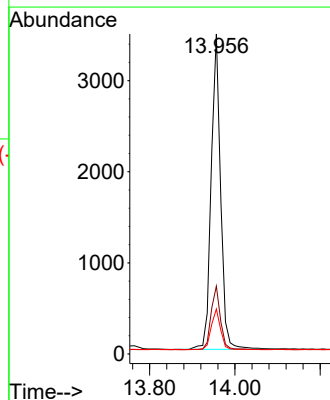
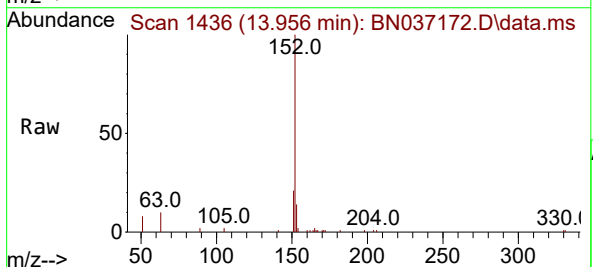
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

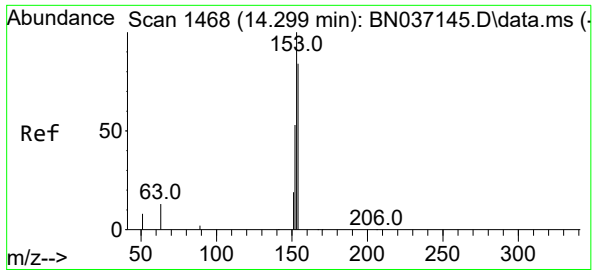
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	25.4	20.3	30.5



#16
Acenaphthylene
Concen: 0.353 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

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

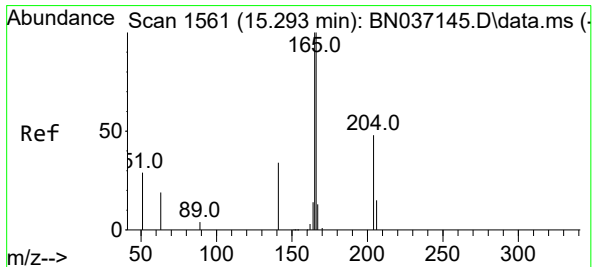
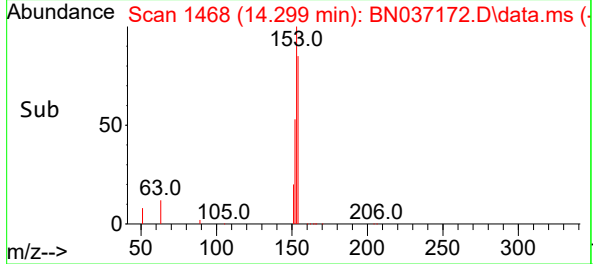
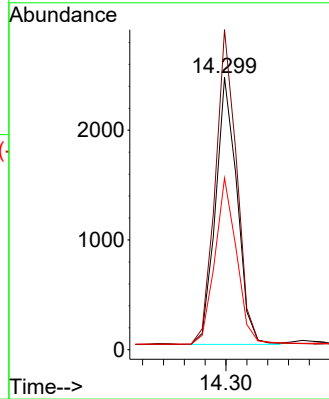
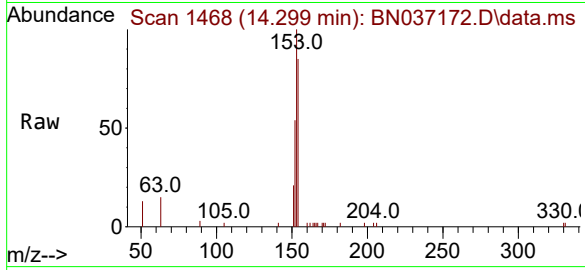




#17
Acenaphthene
Concen: 0.357 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

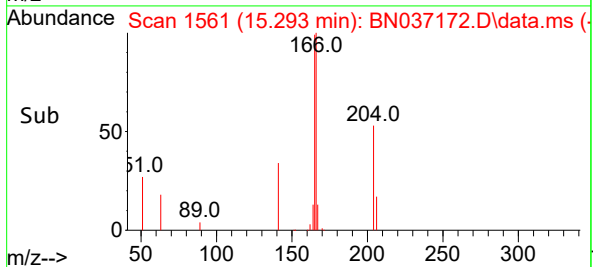
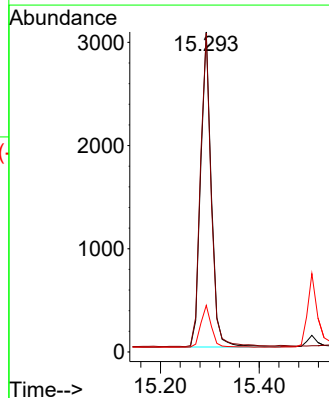
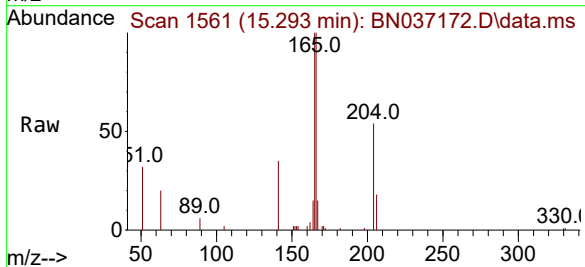
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

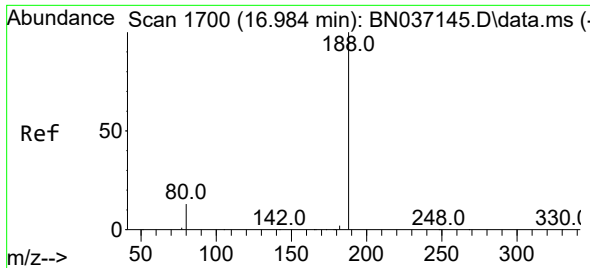
Tgt Ion:154 Resp: 3492
Ion Ratio Lower Upper
154 100
153 118.1 93.8 140.8
152 63.7 50.5 75.7



#18
Fluorene
Concen: 0.353 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:166 Resp: 4545
Ion Ratio Lower Upper
166 100
165 100.5 81.1 121.7
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

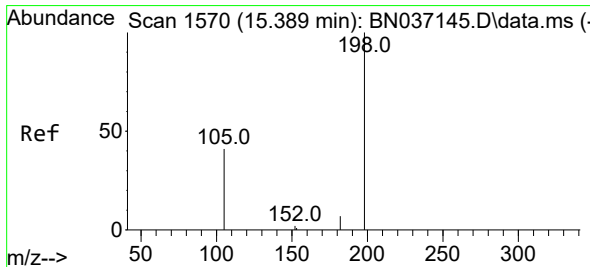
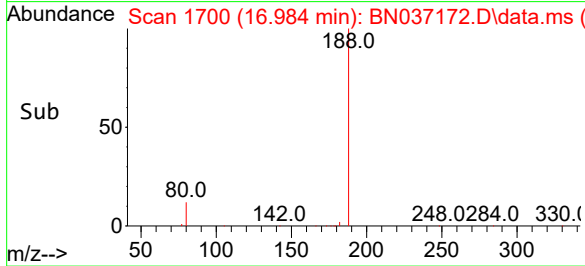
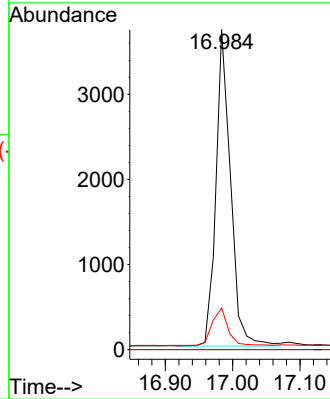
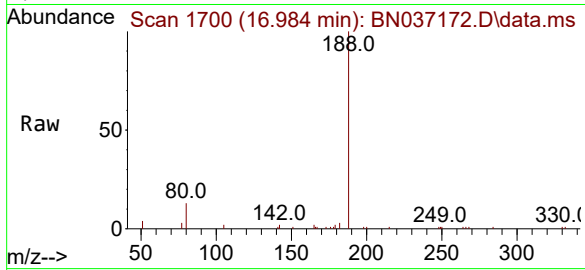
Tgt Ion:188 Resp: 5620

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.497 ng

RT: 15.378 min Scan# 1569

Delta R.T. -0.011 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

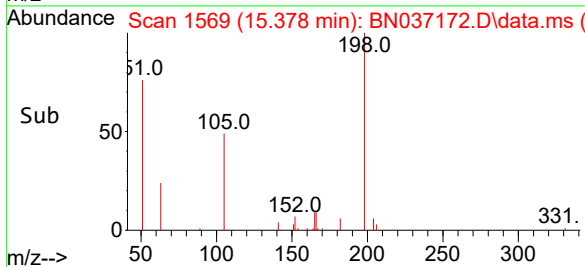
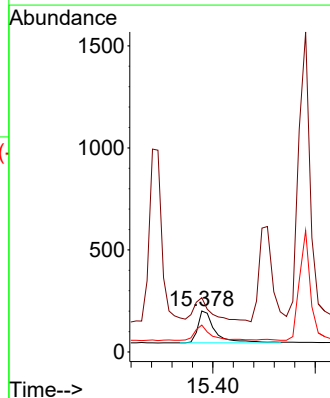
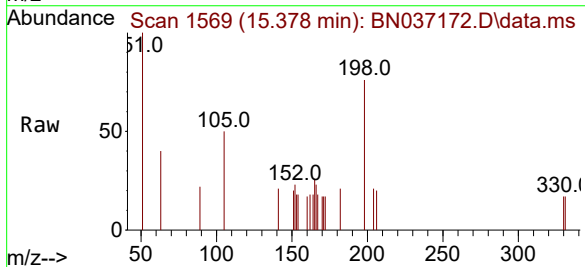
Tgt Ion:198 Resp: 366

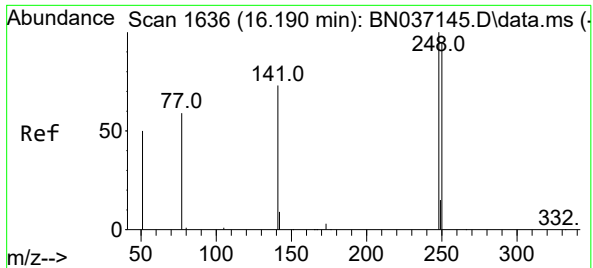
Ion Ratio Lower Upper

198 100

51 132.3 125.2 187.8

105 65.7 57.1 85.7

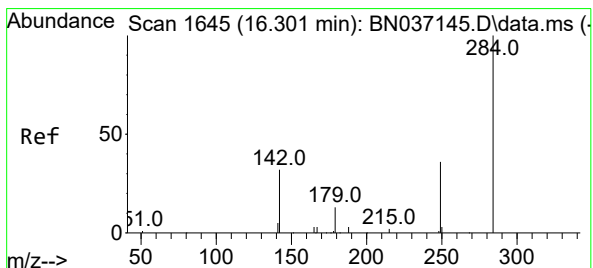
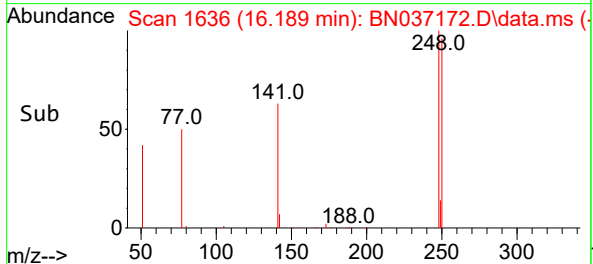
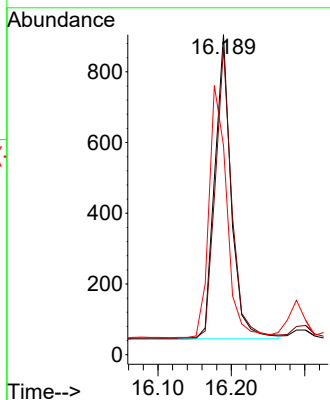
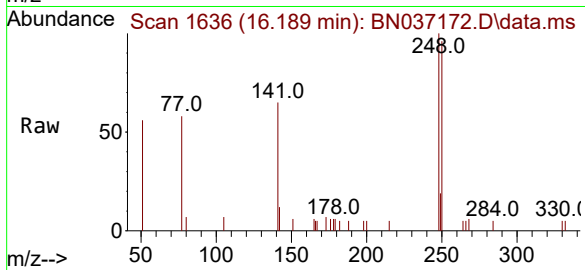




#21
4-Bromophenyl-phenylether
Concen: 0.362 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

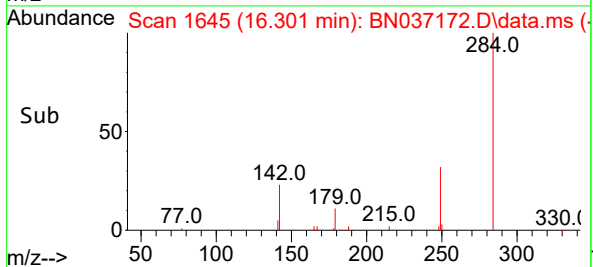
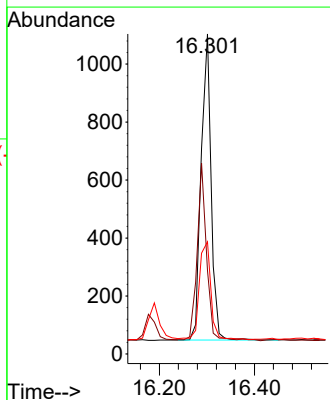
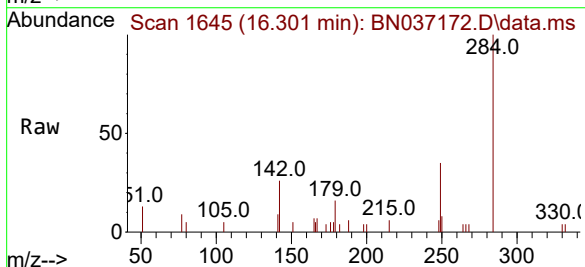
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

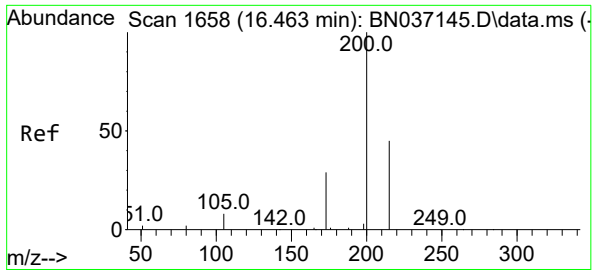
Tgt Ion:248 Resp: 1333
Ion Ratio Lower Upper
248 100
250 96.1 76.1 114.1
141 65.4 60.1 90.1



#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:284 Resp: 1545
Ion Ratio Lower Upper
284 100
142 53.0 44.0 66.0
249 36.8 29.7 44.5





#23

Atrazine

Concen: 0.338 ng

RT: 16.462 min Scan# 1658

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

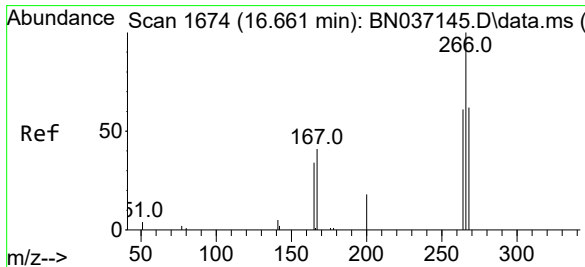
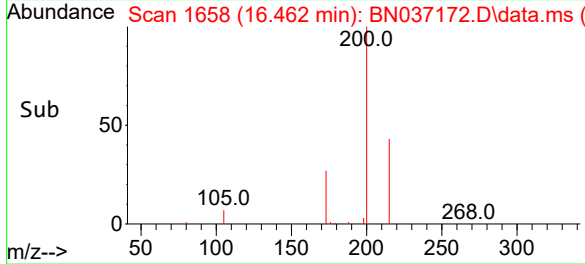
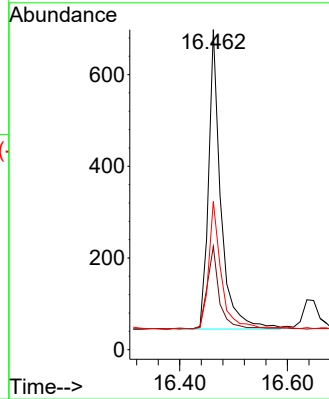
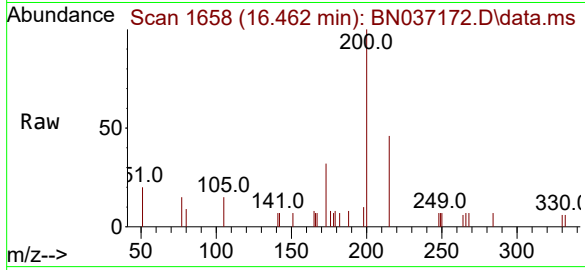
Tgt Ion:200 Resp: 1029

Ion	Ratio	Lower	Upper
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200	100		
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173	32.2	28.1	42.1
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215	46.3	39.3	58.9
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#24

Pentachlorophenol

Concen: 0.489 ng

RT: 16.649 min Scan# 1673

Delta R.T. -0.012 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

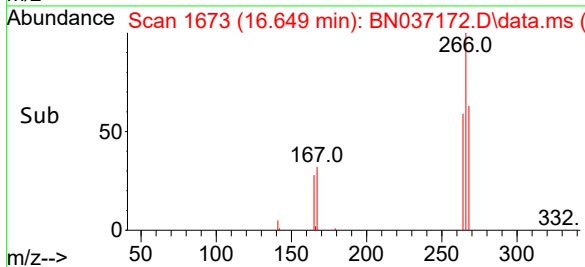
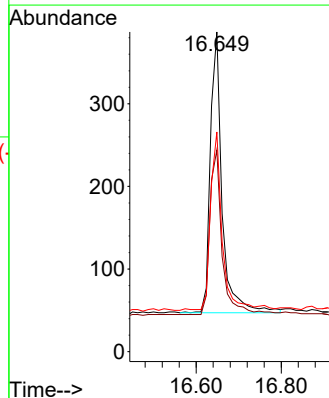
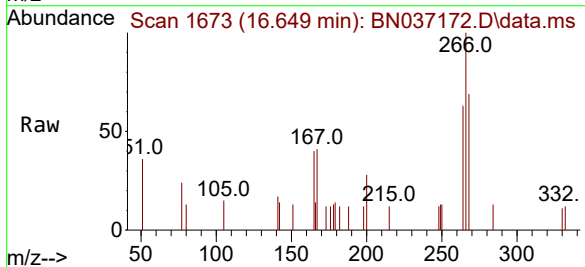
Tgt Ion:266 Resp: 652

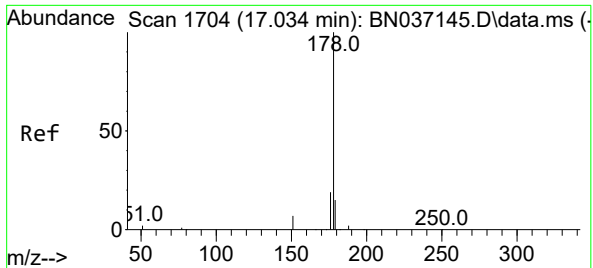
Ion	Ratio	Lower	Upper
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266	100		
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264	61.0	49.3	73.9
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268	62.1	49.0	73.4
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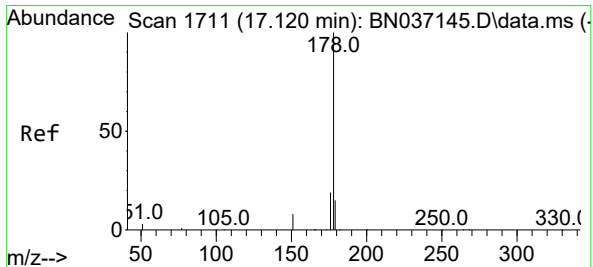
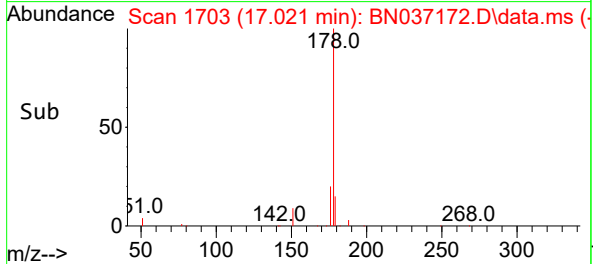
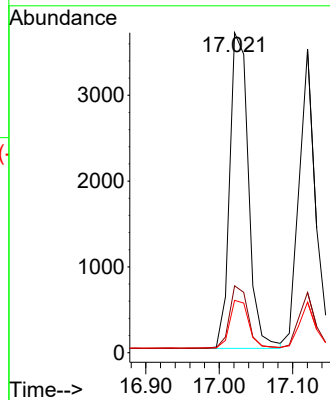
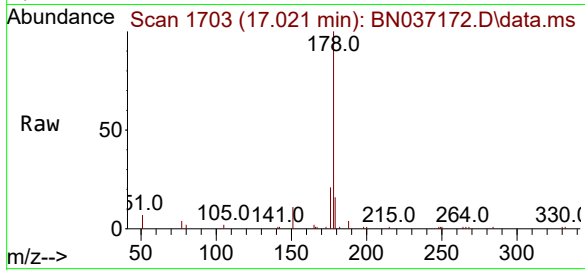




#25
Phenanthrene
Concen: 0.357 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

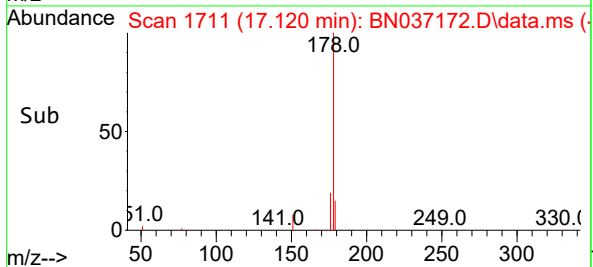
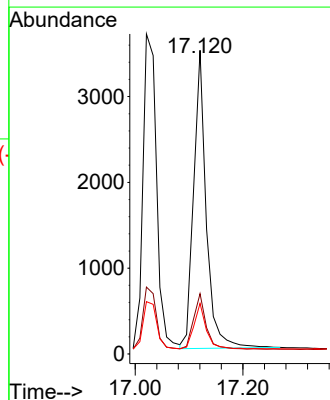
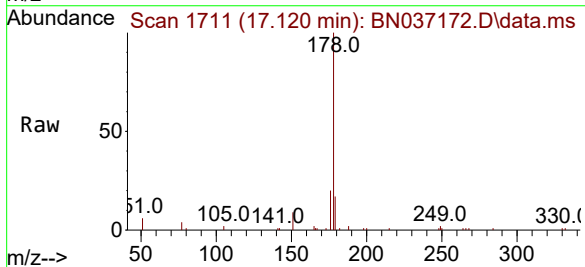
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

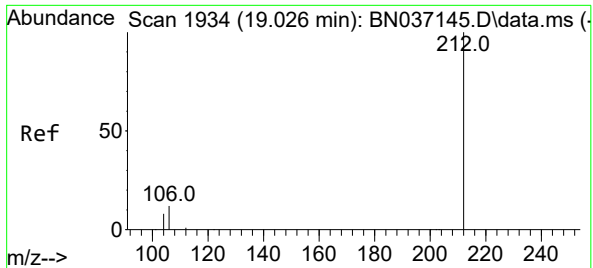
Tgt Ion:178 Resp: 6507
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.4 12.3 18.5



#26
Anthracene
Concen: 0.341 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:178 Resp: 5663
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.2 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

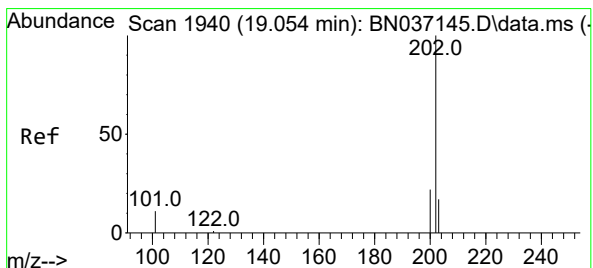
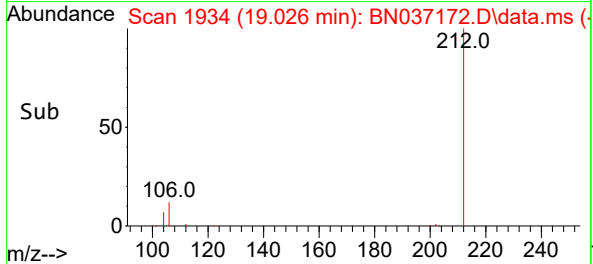
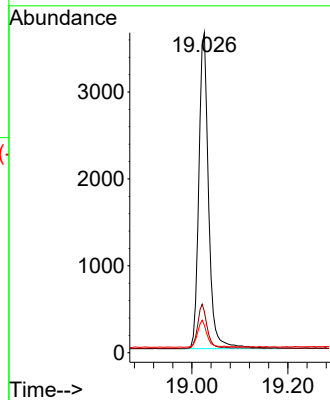
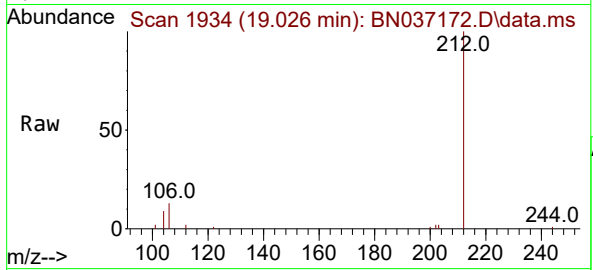
Tgt Ion:212 Resp: 5176

Ion Ratio Lower Upper

212 100

106 13.6 10.6 15.8

104 8.0 6.6 9.8



#28

Fluoranthene

Concen: 0.335 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

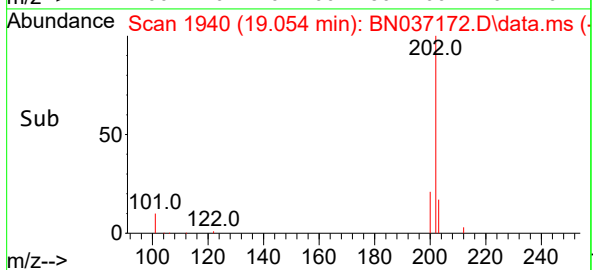
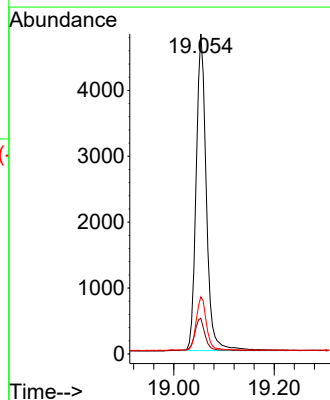
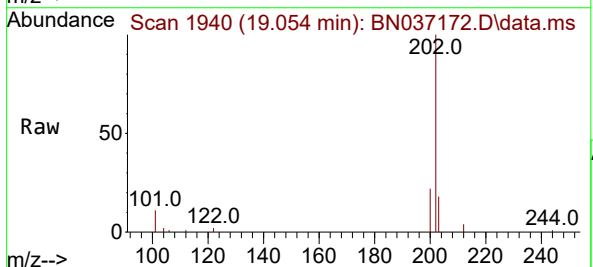
Tgt Ion:202 Resp: 6745

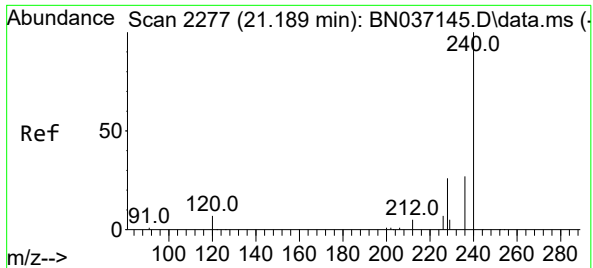
Ion Ratio Lower Upper

202 100

101 10.8 8.7 13.1

203 16.7 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

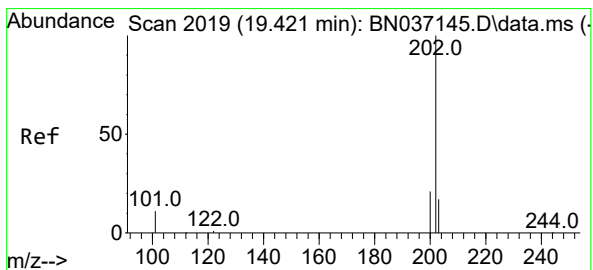
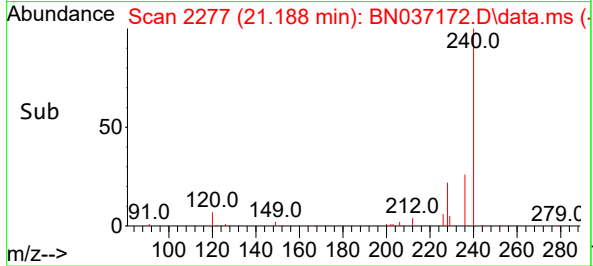
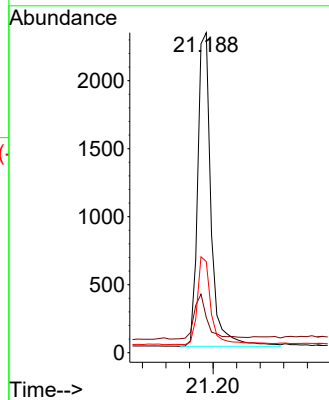
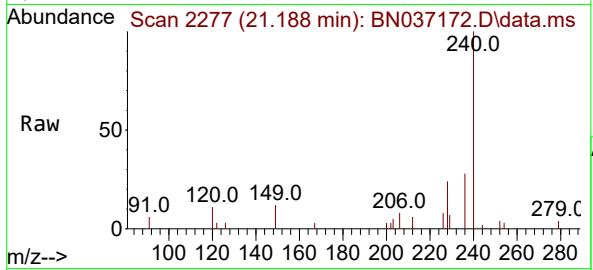
Tgt Ion:240 Resp: 3619

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.4

236 28.5 23.0 34.4



#30

Pyrene

Concen: 0.378 ng

RT: 19.416 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

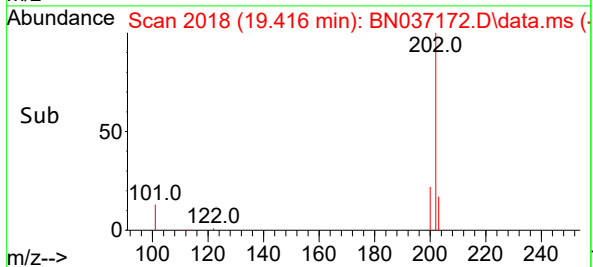
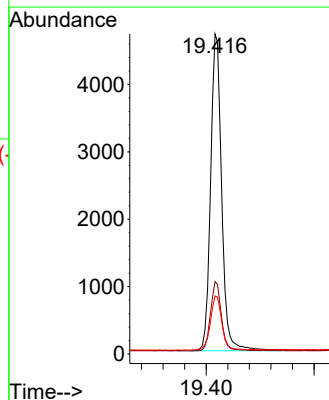
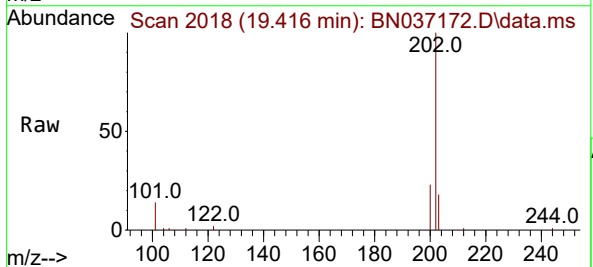
Tgt Ion:202 Resp: 6680

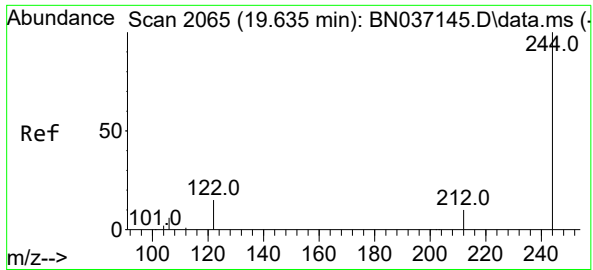
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.6 14.2 21.4

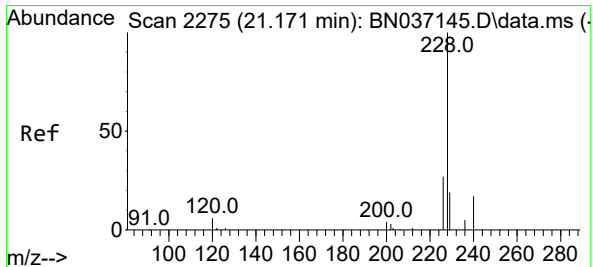
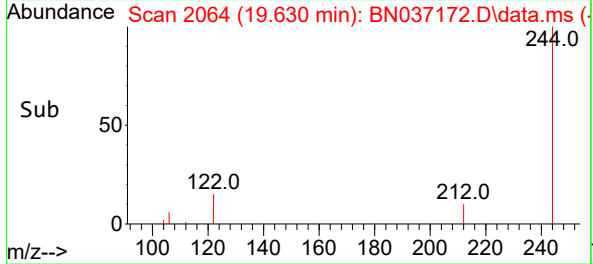
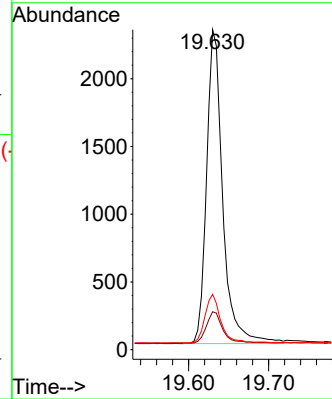
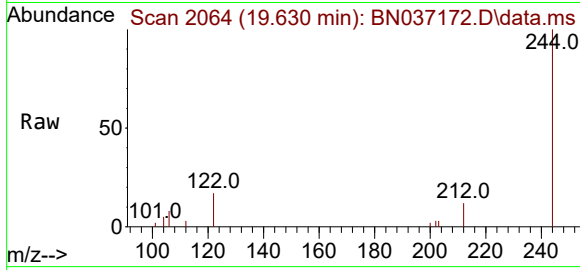




#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

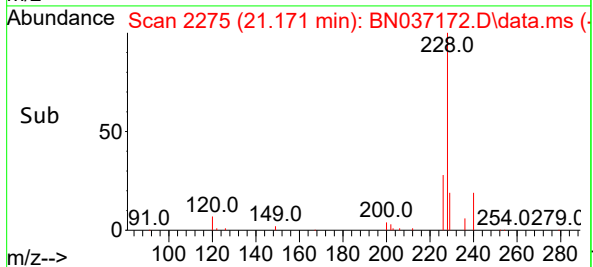
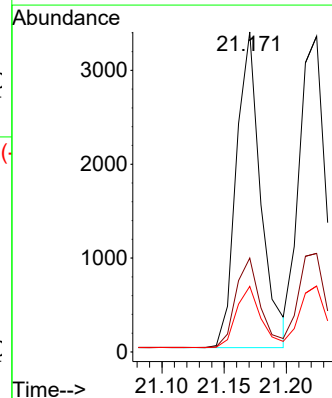
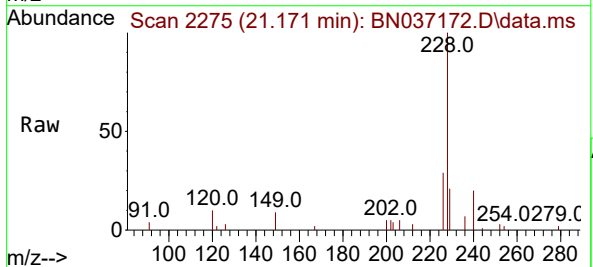
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

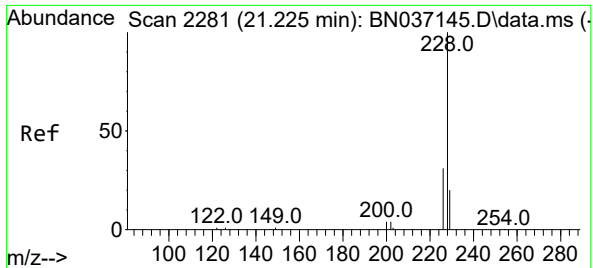
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.9	10.0	15.0
122	17.3	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.352 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.5	16.2	24.2

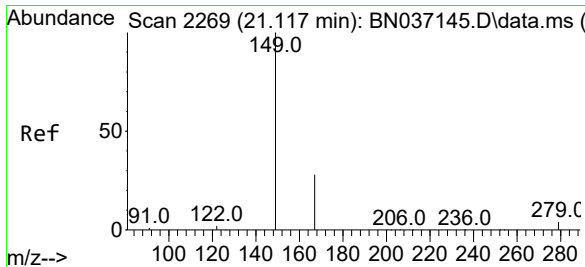
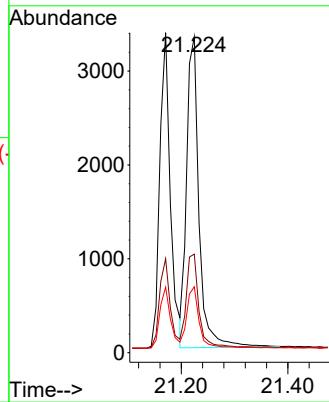
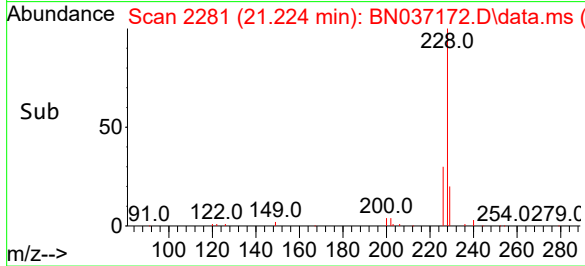
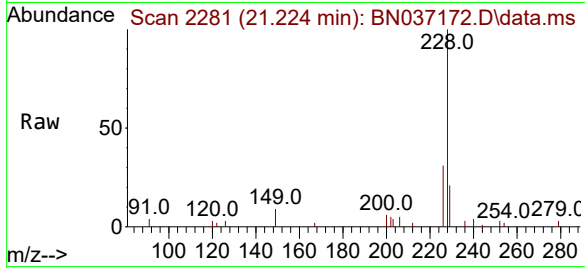




#33
Chrysene
Concen: 0.365 ng
RT: 21.224 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

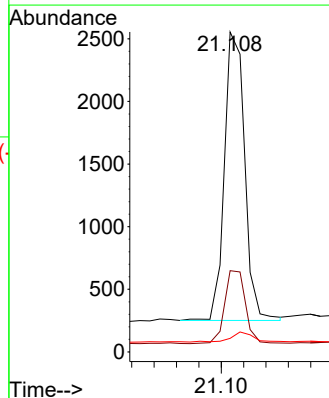
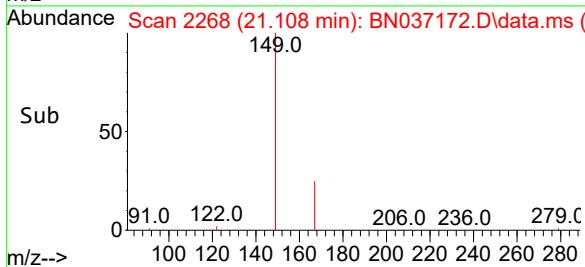
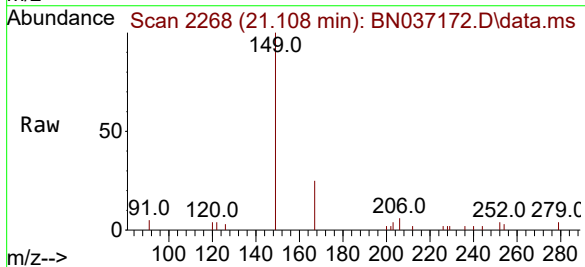
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

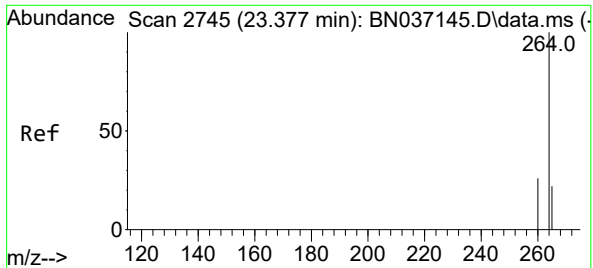
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.2	37.8
229	20.9	16.8	25.2



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.350 ng
RT: 21.108 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	3.8	2.9	4.3

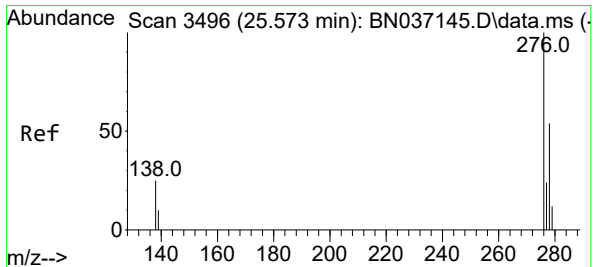
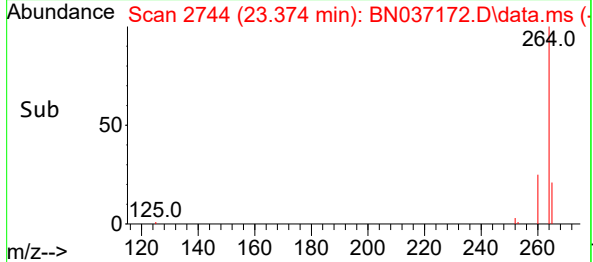
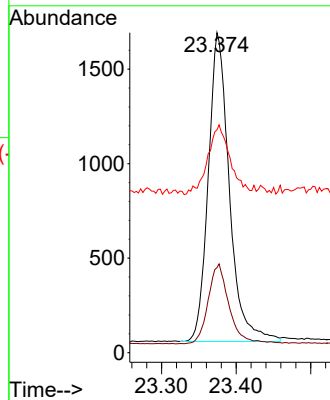
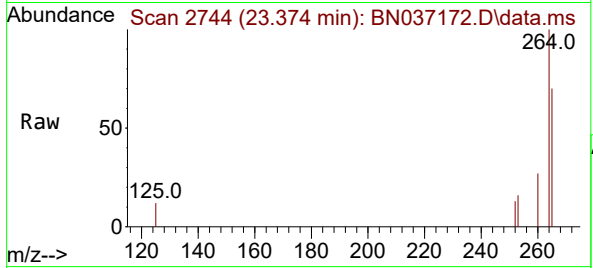




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

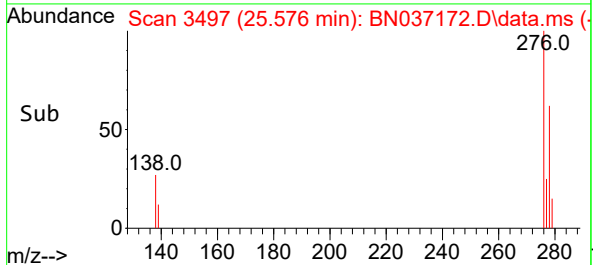
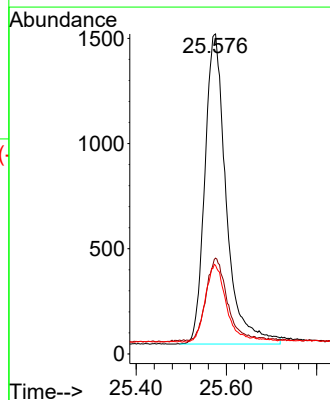
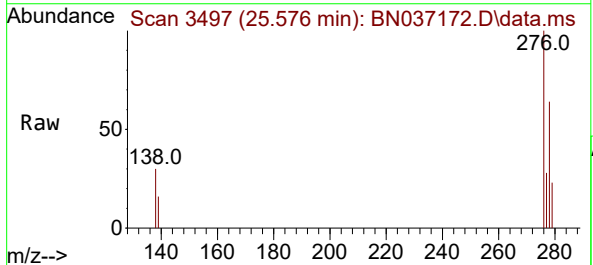
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

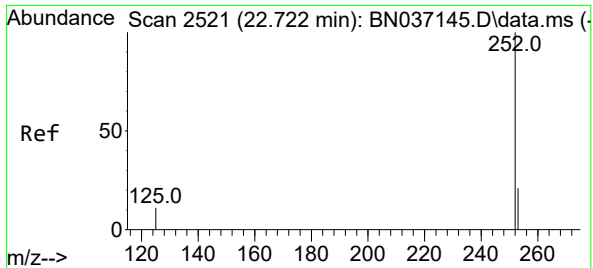
Tgt Ion:264 Resp: 3205
Ion Ratio Lower Upper
264 100
260 26.6 22.1 33.1
265 69.6 55.8 83.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037172.D
Acq: 05 Jun 2025 09:42

Tgt Ion:276 Resp: 4861
Ion Ratio Lower Upper
276 100
138 25.7 21.0 31.6
277 24.3 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.357 ng

RT: 22.722 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

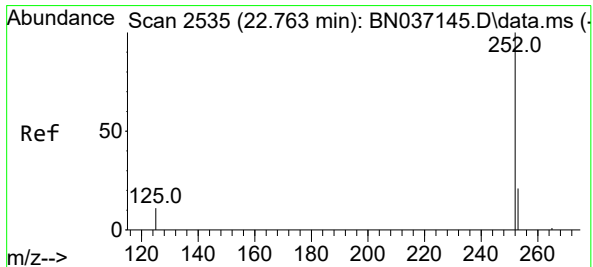
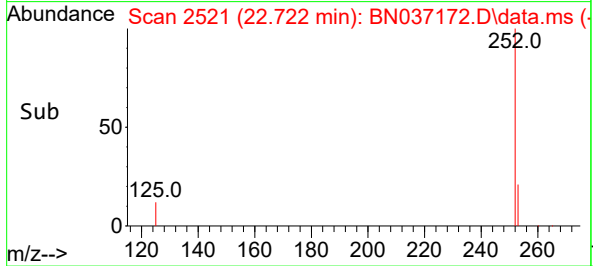
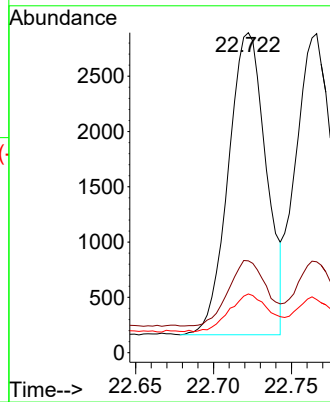
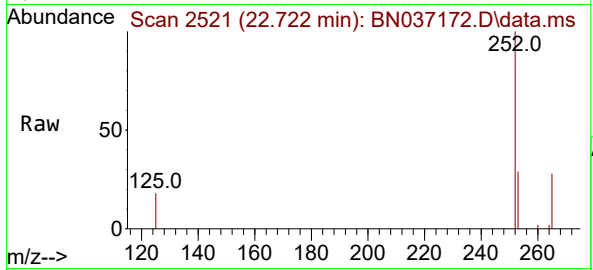
Tgt Ion:252 Resp: 4620

Ion Ratio Lower Upper

252 100

253 28.7 22.3 33.5

125 18.3 13.2 19.8



#38

Benzo(k)fluoranthene

Concen: 0.368 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.003 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

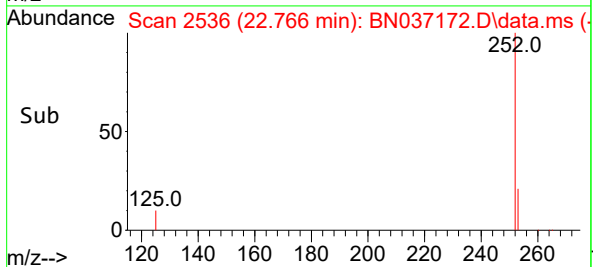
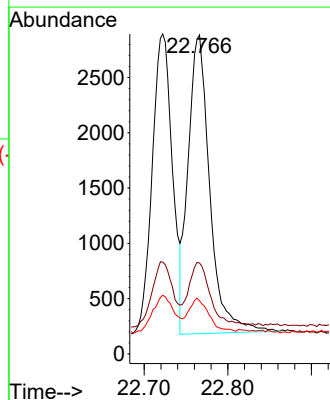
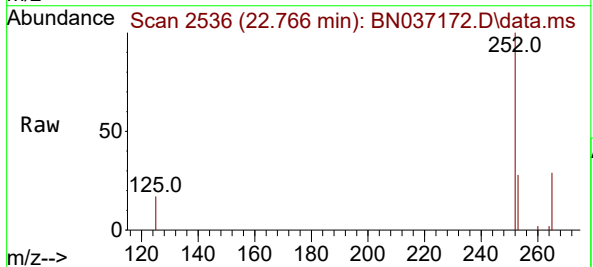
Tgt Ion:252 Resp: 4861

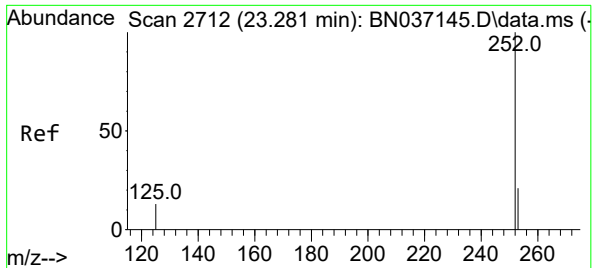
Ion Ratio Lower Upper

252 100

253 28.5 22.2 33.4

125 16.6 13.2 19.8





#39

Benzo(a)pyrene

Concen: 0.358 ng

RT: 23.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

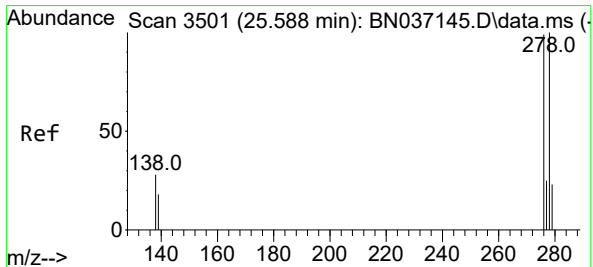
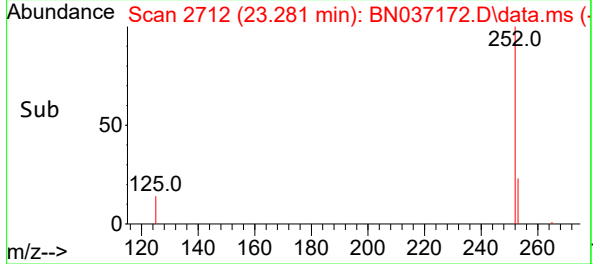
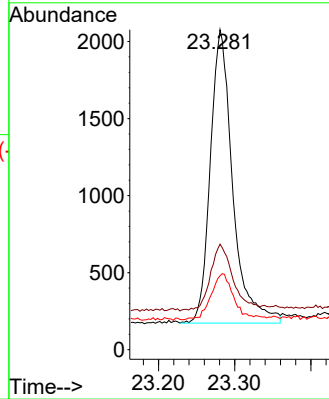
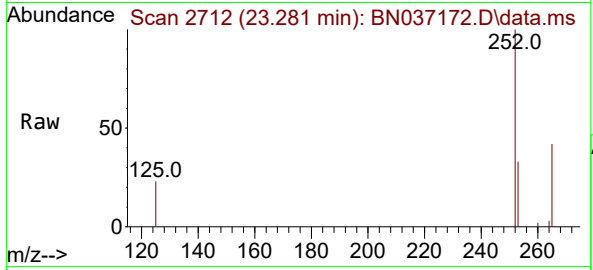
Tgt Ion:252 Resp: 3883

Ion Ratio Lower Upper

252 100

253 33.0 25.0 37.4

125 23.1 17.0 25.6



#40

Dibenzo(a,h)anthracene

Concen: 0.382 ng

RT: 25.590 min Scan# 3502

Delta R.T. 0.003 min

Lab File: BN037172.D

Acq: 05 Jun 2025 09:42

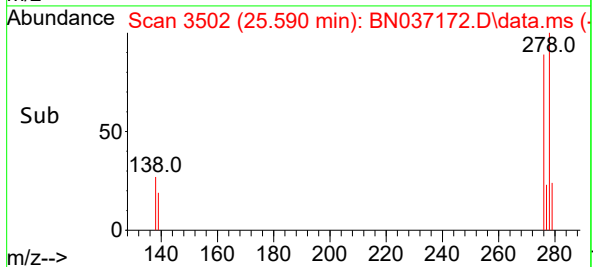
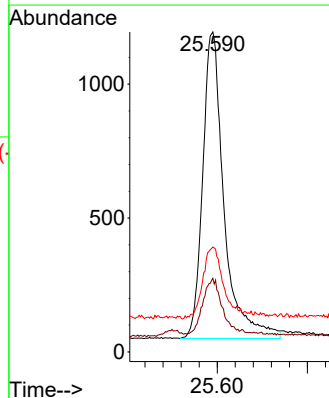
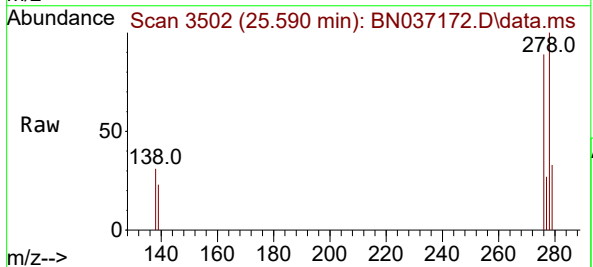
Tgt Ion:278 Resp: 3755

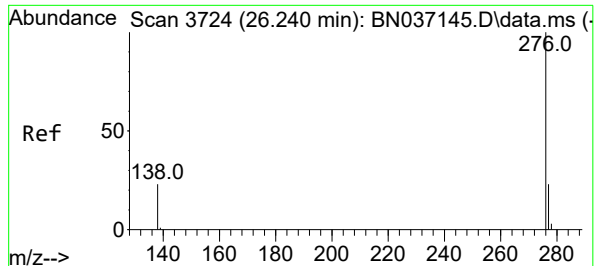
Ion Ratio Lower Upper

278 100

139 23.0 17.6 26.4

279 32.8 26.0 39.0





#41

Benzo(g,h,i)perylene

Concen: 0.385 ng

RT: 26.239 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037172.D

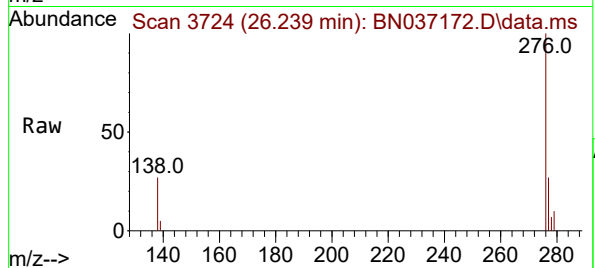
Acq: 05 Jun 2025 09:42

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



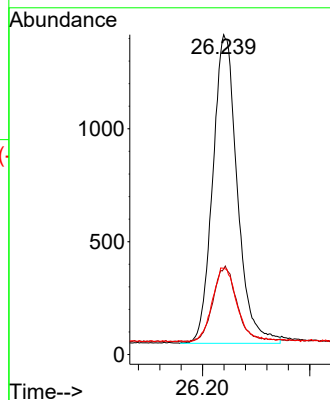
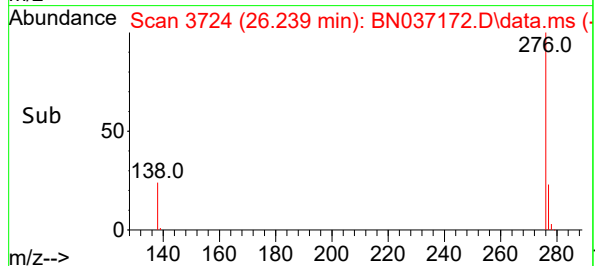
Tgt Ion:276 Resp: 4344

Ion Ratio Lower Upper

276 100

277 26.8 20.9 31.3

138 27.0 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037172.D
 Acq On : 05 Jun 2025 09:42
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jun 05 11:15:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2	1,4-Dioxane	0.533	0.502	5.8	103	0.00
3	n-Nitrosodimethylamine	1.071	1.009	5.8	99	0.00
4 S	2-Fluorophenol	0.989	0.924	6.6	102	0.00
5 S	Phenol-d6	1.199	1.117	6.8	103	0.00
6	bis(2-Chloroethyl)ether	1.144	1.129	1.3	104	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
8 S	Nitrobenzene-d5	0.422	0.422	0.0	108	0.00
9	Naphthalene	1.154	1.117	3.2	108	0.00
10	Hexachlorobutadiene	0.251	0.248	1.2	102	0.00
11 SURR	2-Methylnaphthalene-d10	0.557	0.553	0.7	106	0.00
12	2-Methylnaphthalene	0.740	0.686	7.3	107	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
14 S	2,4,6-Tribromophenol	0.161	0.143	11.2	104	-0.01
15 S	2-Fluorobiphenyl	1.705	1.677	1.6	110	0.00
16	Acenaphthylene	1.961	1.731	11.7	104	0.00
17	Acenaphthene	1.273	1.136	10.8	104	0.00
18	Fluorene	1.674	1.479	11.6	104	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
20	4,6-Dinitro-2-methylphenol	0.077	0.065	15.6	135	-0.01
21	4-Bromophenyl-phenylether	0.262	0.237	9.5	100	0.00
22	Hexachlorobenzene	0.283	0.275	2.8	106	0.00
23	Atrazine	0.216	0.183	15.3	101	0.00
24	Pentachlorophenol	0.124	0.116	6.5	130	-0.01
25	Phenanthrene	1.296	1.158	10.6	100	-0.01
26	Anthracene	1.183	1.008	14.8	100	0.00
27 SURR	Fluoranthene-d10	1.016	0.921	9.4	97	0.00
28	Fluoranthene	1.432	1.200	16.2	97	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	96	0.00
30	Pyrene	1.953	1.846	5.5	97	0.00
31 S	Terphenyl-d14	0.942	0.898	4.7	96	0.00
32	Benzo(a)anthracene	1.448	1.274	12.0	95	0.00
33	Chrysene	1.612	1.472	8.7	96	0.00
34	Bis(2-ethylhexyl)phthalate	0.914	0.800	12.5	99	0.00
35 I	Perylene-d12	1.000	1.000	0.0	95	0.00
36	Indeno(1,2,3-cd)pyrene	1.591	1.517	4.7	96	0.00
37	Benzo(b)fluoranthene	1.615	1.441	10.8	96	0.00
38	Benzo(k)fluoranthene	1.648	1.517	7.9	98	0.00
39 C	Benzo(a)pyrene	1.352	1.212	10.4	94	0.00
40	Dibenzo(a,h)anthracene	1.227	1.172	4.5	96	0.00
41	Benzo(g,h,i)perylene	1.410	1.355	3.9	95	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\BN060525\
 Data File : BN037172.D
 Acq On : 05 Jun 2025 09:42
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Jun 05 11:15:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	104	0.00
2	1,4-Dioxane	0.400	0.376	6.0	103	0.00
3	n-Nitrosodimethylamine	0.400	0.377	5.8	99	0.00
4 S	2-Fluorophenol	0.400	0.374	6.5	102	0.00
5 S	Phenol-d6	0.400	0.373	6.8	103	0.00
6	bis(2-Chloroethyl)ether	0.400	0.395	1.3	104	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	108	0.00
8 S	Nitrobenzene-d5	0.400	0.400	0.0	108	0.00
9	Naphthalene	0.400	0.387	3.3	108	0.00
10	Hexachlorobutadiene	0.400	0.394	1.5	102	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.397	0.8	106	0.00
12	2-Methylnaphthalene	0.400	0.371	7.3	107	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	106	0.00
14 S	2,4,6-Tribromophenol	0.400	0.354	11.5	104	-0.01
15 S	2-Fluorobiphenyl	0.400	0.393	1.8	110	0.00
16	Acenaphthylene	0.400	0.353	11.8	104	0.00
17	Acenaphthene	0.400	0.357	10.8	104	0.00
18	Fluorene	0.400	0.353	11.8	104	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	103	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.497	-24.2	135	-0.01
21	4-Bromophenyl-phenylether	0.400	0.362	9.5	100	0.00
22	Hexachlorobenzene	0.400	0.389	2.8	106	0.00
23	Atrazine	0.400	0.338	15.5	101	0.00
24	Pentachlorophenol	0.400	0.489	-22.2	130	-0.01
25	Phenanthrene	0.400	0.357	10.8	100	-0.01
26	Anthracene	0.400	0.341	14.8	100	0.00
27 SURR	Fluoranthene-d10	0.400	0.362	9.5	97	0.00
28	Fluoranthene	0.400	0.335	16.3	97	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	96	0.00
30	Pyrene	0.400	0.378	5.5	97	0.00
31 S	Terphenyl-d14	0.400	0.381	4.8	96	0.00
32	Benzo(a)anthracene	0.400	0.352	12.0	95	0.00
33	Chrysene	0.400	0.365	8.8	96	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.350	12.5	99	0.00
35 I	Perylene-d12	0.400	0.400	0.0	95	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.381	4.8	96	0.00
37	Benzo(b)fluoranthene	0.400	0.357	10.8	96	0.00
38	Benzo(k)fluoranthene	0.400	0.368	8.0	98	0.00
39 C	Benzo(a)pyrene	0.400	0.358	10.5	94	0.00
40	Dibenzo(a,h)anthracene	0.400	0.382	4.5	96	0.00
41	Benzo(g,h,i)perylene	0.400	0.385	3.8	95	0.00

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



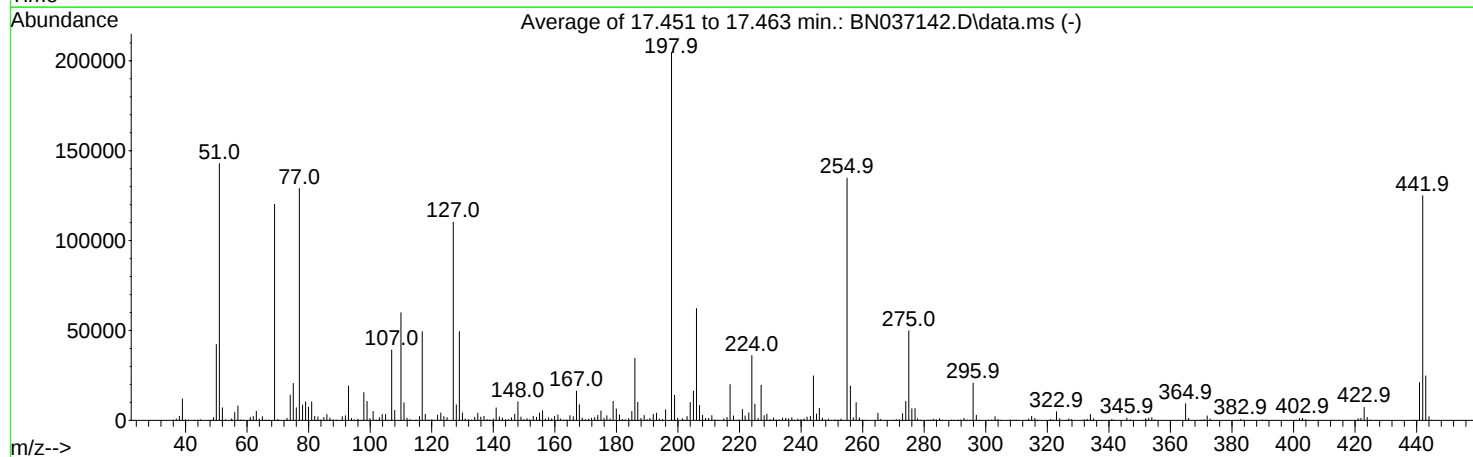
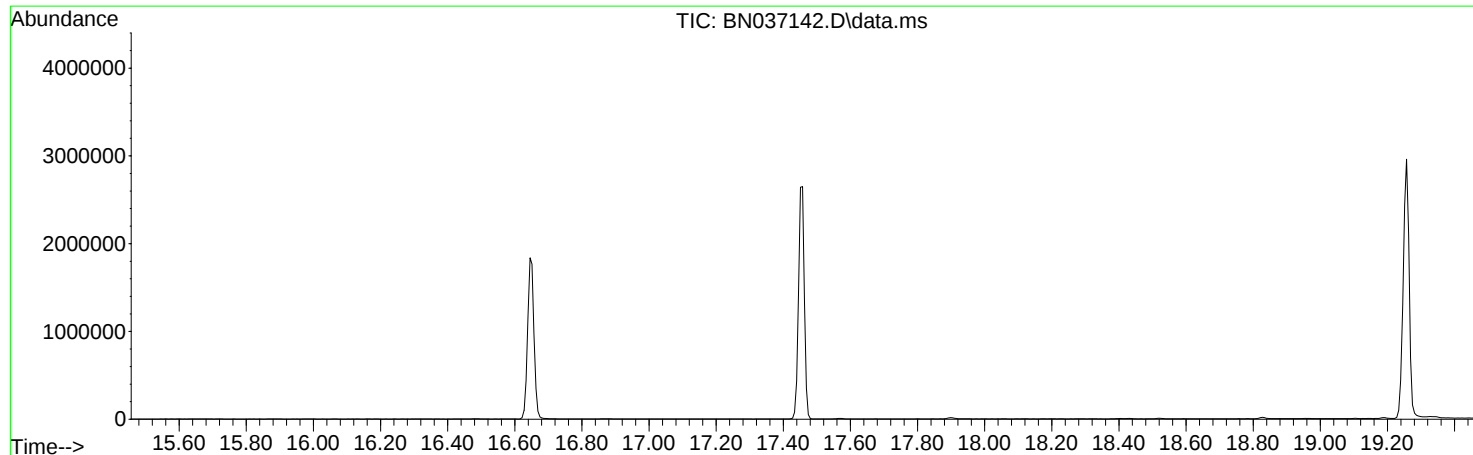
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037142.D
Acq On : 03 Jun 2025 10:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

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



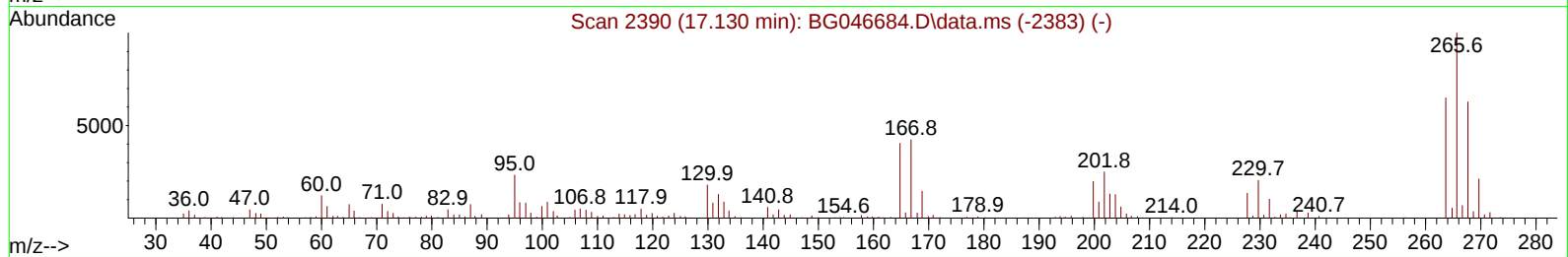
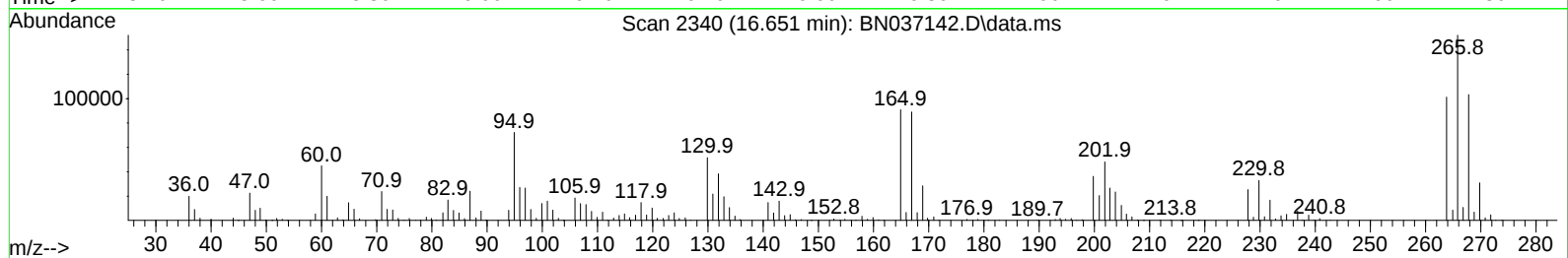
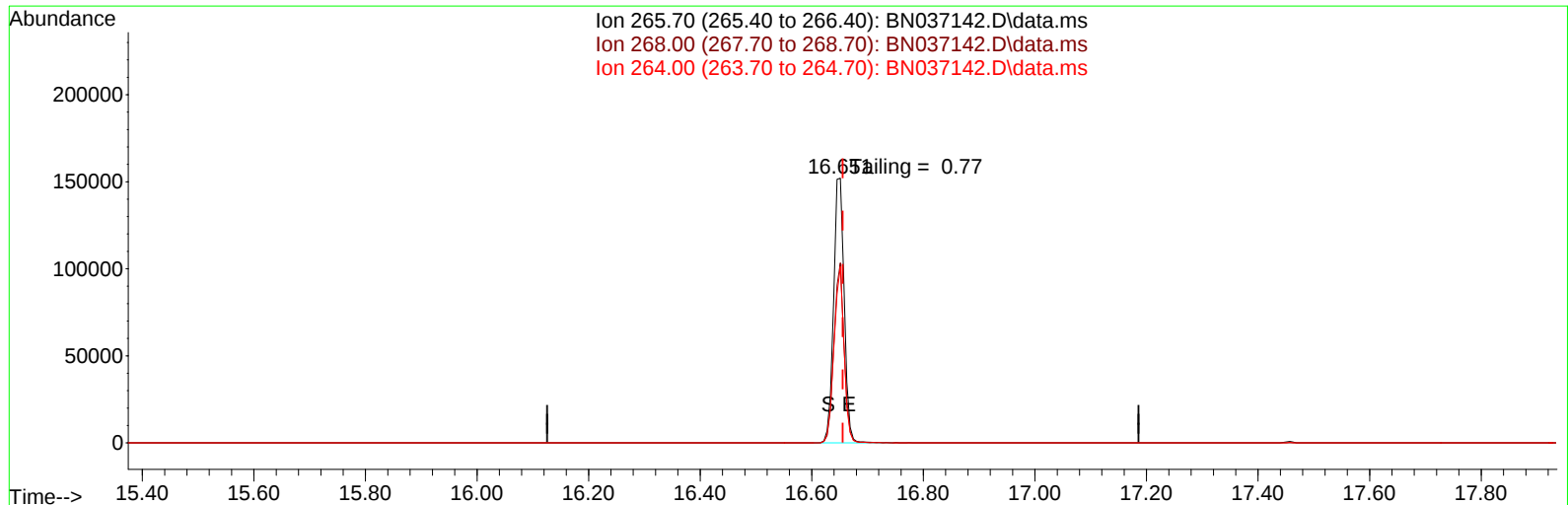
AutoFind: Scans 2476, 2477, 2478; Background Corrected with Scan 2469

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	69.8	142869	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.7	120176	PASS
70	69	0.00	2	0.5	575	PASS
127	198	10	80	53.9	110283	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	204619	PASS
199	198	5	9	6.8	13950	PASS
275	198	10	60	24.4	49829	PASS
365	198	1	100	4.5	9270	PASS
441	198	0.01	100	10.3	21027	PASS
442	442	50	100	100.0	124989	PASS
443	442	15	24	19.8	24771	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037142.D
Acq On : 03 Jun 2025 10:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 03 13:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 27 07:40:28 2025
Response via : Initial Calibration



TIC: BN037142.D\data.ms

(70) Pentachlorophenol (C)

16.651min (-0.005) 16176.78 ng

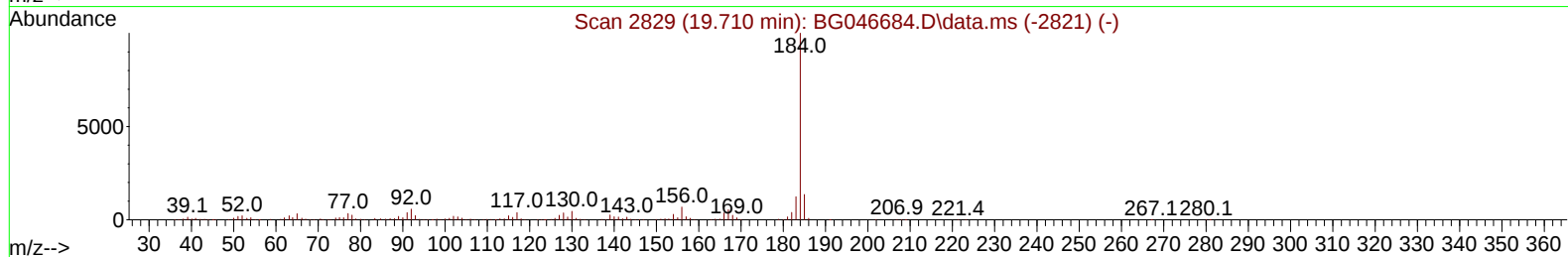
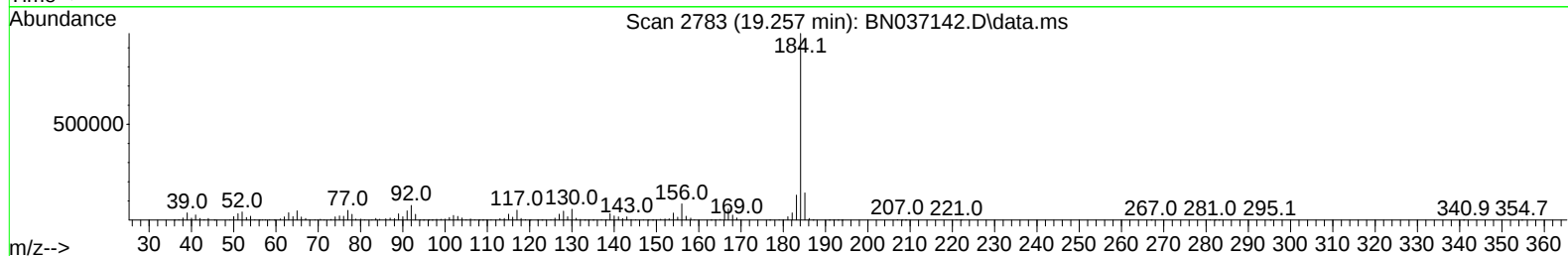
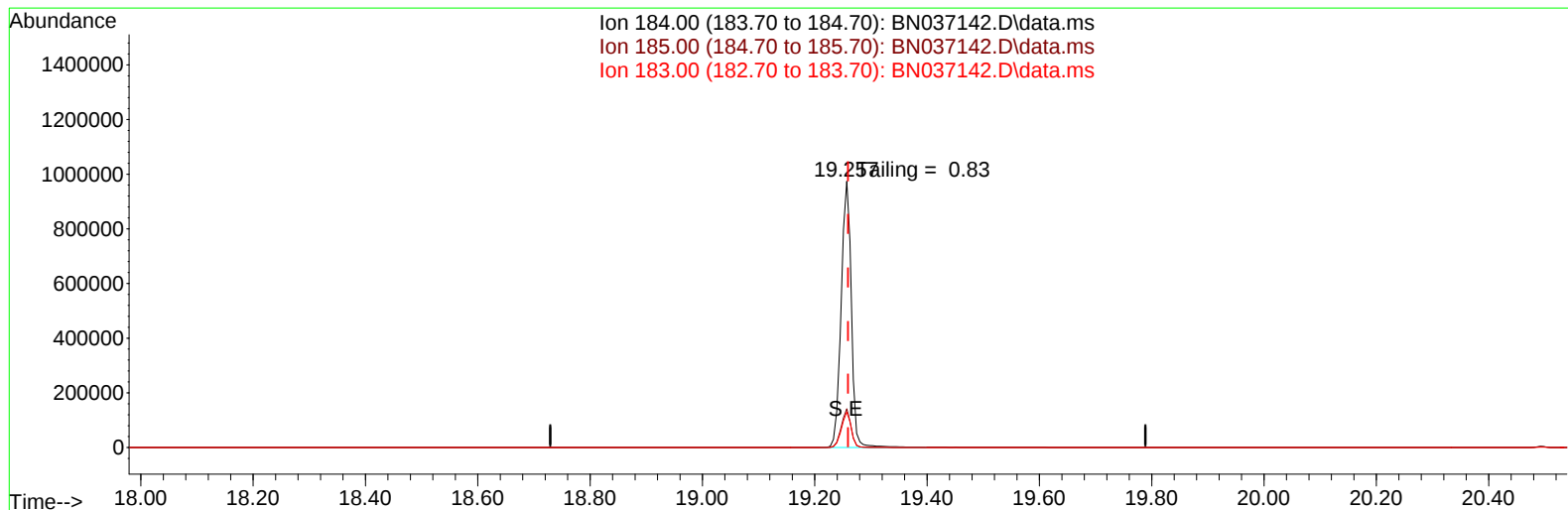
response 200710

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	67.97
264.00	61.60	66.57
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060325\
Data File : BN037142.D
Acq On : 03 Jun 2025 10:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 03 13:56:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 27 07:40:28 2025
Response via : Initial Calibration



TIC: BN037142.D\data.ms

(77) Benzidine

19.257min (-0.002) 0.00 ng

response 1234162

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.54
183.00	13.20	13.40
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/3/2025	BNA_N	<u>BN037142.D</u>
Compound Name	Response	Retention Time
DDT	724224	20.492
DDD	9498	20.104
DDE	658	19.545
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10156	734380	1.38

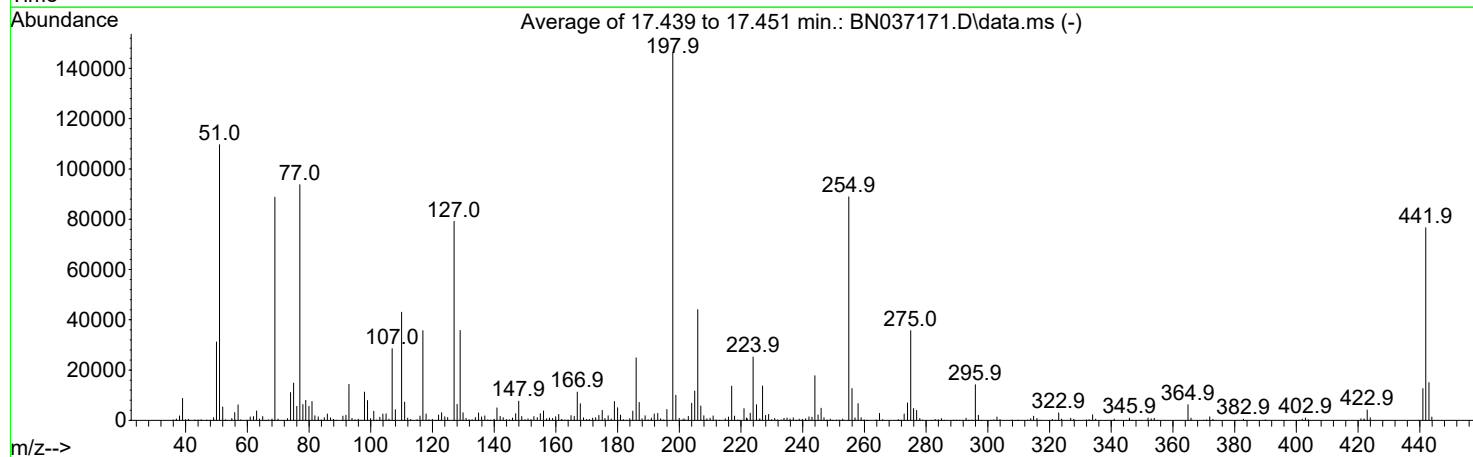
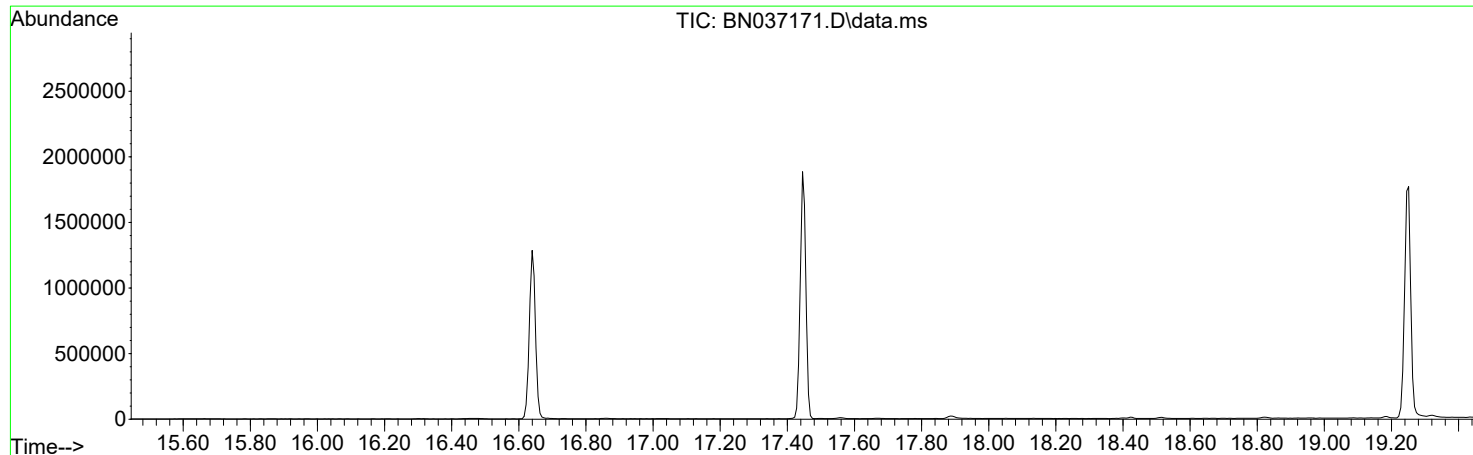
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037171.D
Acq On : 05 Jun 2025 09:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	74.9	109648	PASS
68	69	0.00	2	0.7	598	PASS
69	198	0.00	100	60.7	88808	PASS
70	69	0.00	2	0.6	492	PASS
127	198	10	80	54.1	79149	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146312	PASS
199	198	5	9	6.8	9995	PASS
275	198	10	60	24.4	35715	PASS
365	198	1	100	4.3	6223	PASS
441	198	0.01	100	8.7	12664	PASS
442	442	50	100	100.0	76632	PASS
443	442	15	24	19.6	15055	PASS

DDT Breakdown

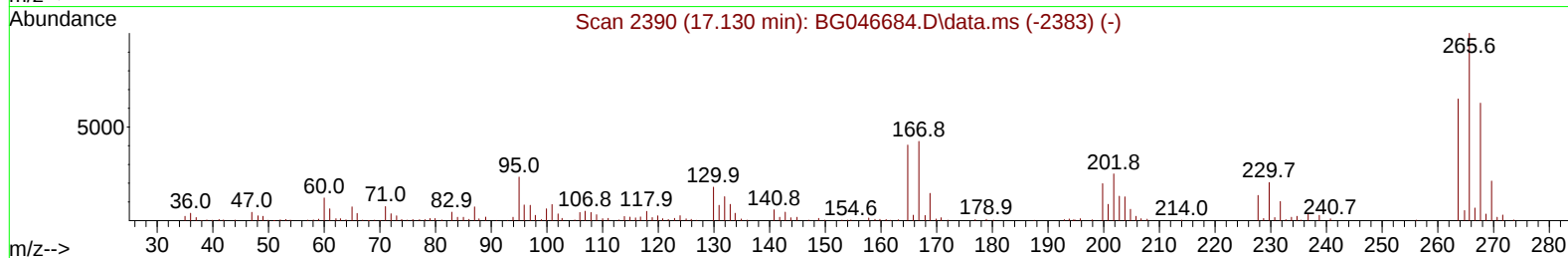
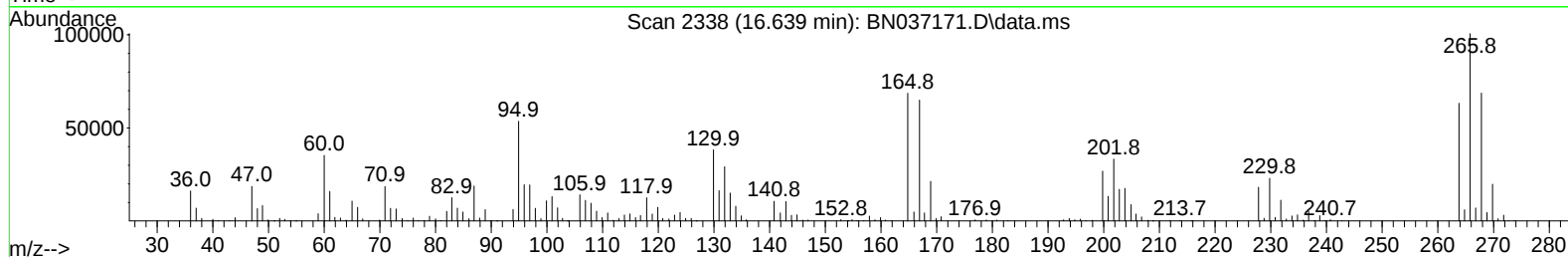
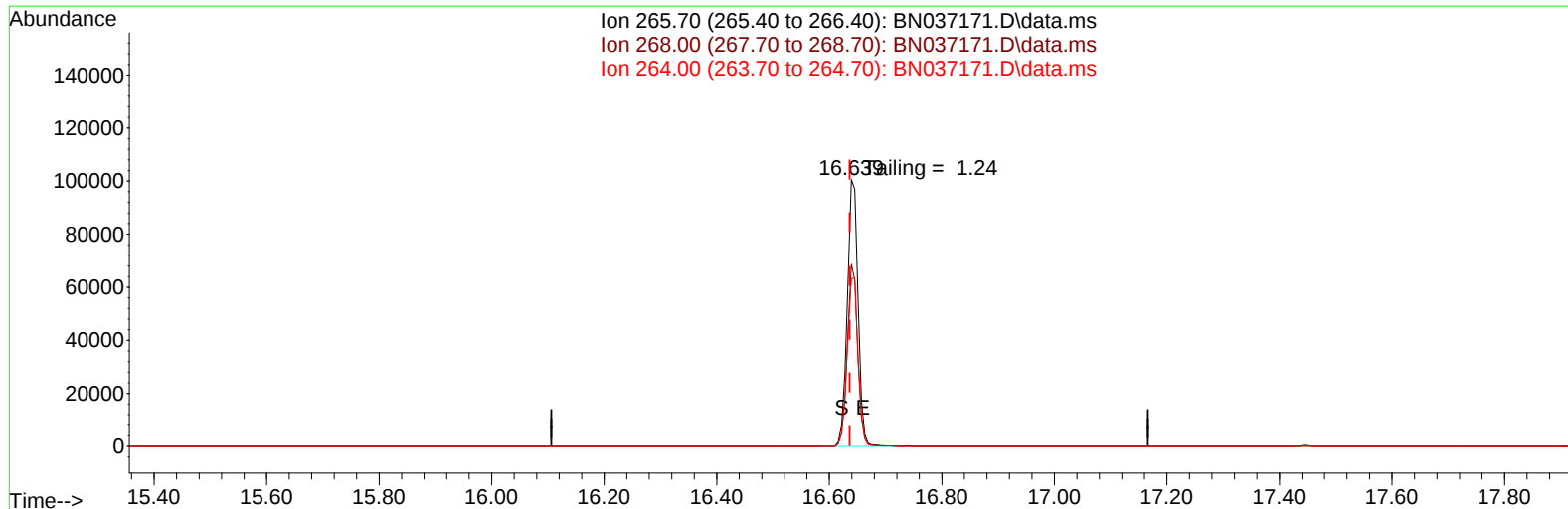
Date	Instrument Name	DFTPP Data File
6/5/2025	BNA_N	<u>BN037171.D</u>
Compound Name	Response	Retention Time
DDT	480704	20.492
DDD	7476	20.098
DDE	585	19.539
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8061	488765	1.65

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037171.D
Acq On : 05 Jun 2025 09:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 05 19:08:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 02:36:29 2025
Response via : Initial Calibration



TIC: BN037171.D\data.ms

(70) Pentachlorophenol (C)

16.639min (+ 0.003) 18579.66 ng

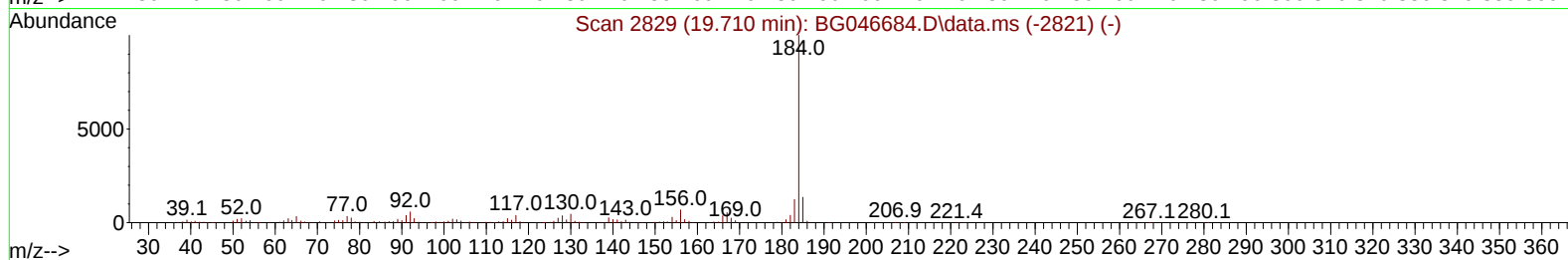
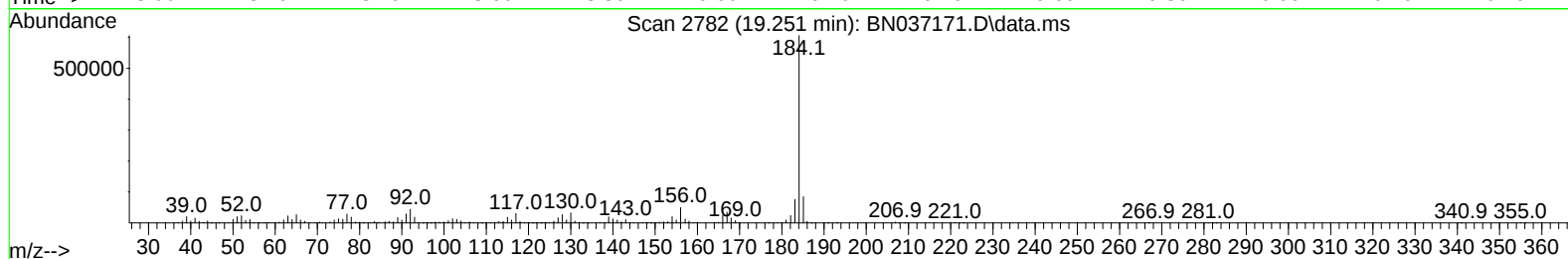
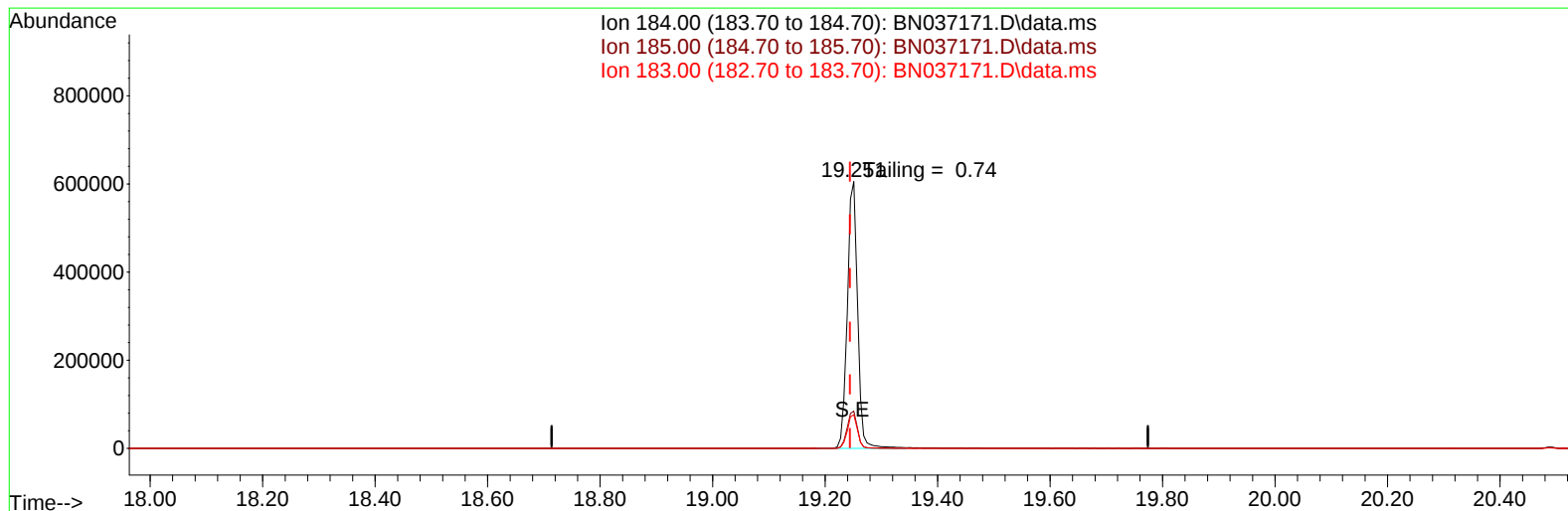
response 133998

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	68.28
264.00	61.60	62.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037171.D
Acq On : 05 Jun 2025 09:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 05 19:10:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 02:36:29 2025
Response via : Initial Calibration



TIC: BN037171.D\data.ms

(77) Benzidine

19.251min (+ 0.007) 0.00 ng

response 772403

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.95
183.00	13.20	12.58
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:	PB168286BL	SDG No.:	Q2200
Lab Sample ID:	PB168286BL	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
BN037173.D	1	06/04/25 11:46	06/05/25 10:19	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (175)	98%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1980	7.589			
1146-65-2	Naphthalene-d8	4800	10.372			
15067-26-2	Acenaphthene-d10	2580	14.245			
1517-22-2	Phenanthrene-d10	4630	16.996			
1719-03-5	Chrysene-d12	2960	21.188			
1520-96-3	Perylene-d12	2740	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037173.D
Acq On : 05 Jun 2025 10:19
Operator : RC/JU
Sample : PB168286BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168286BL

Quant Time: Jun 05 11:16:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1976	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4795	0.400	ng	# 0.00
13) Acenaphthene-d10	14.245	164	2582	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	4632	0.400	ng	0.01
29) Chrysene-d12	21.188	240	2959	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2743	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	2002	0.410	ng	0.00
5) Phenol-d6	6.773	99	2088	0.353	ng	0.00
8) Nitrobenzene-d5	8.749	82	1701	0.336	ng	0.01
11) 2-Methylnaphthalene-d10	11.976	152	2368	0.355	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	282	0.271	ng	0.01
15) 2-Fluorobiphenyl	12.868	172	4015	0.365	ng	0.00
27) Fluoranthene-d10	19.026	212	4015	0.341	ng	0.00
31) Terphenyl-d14	19.635	244	2721	0.391	ng	0.00

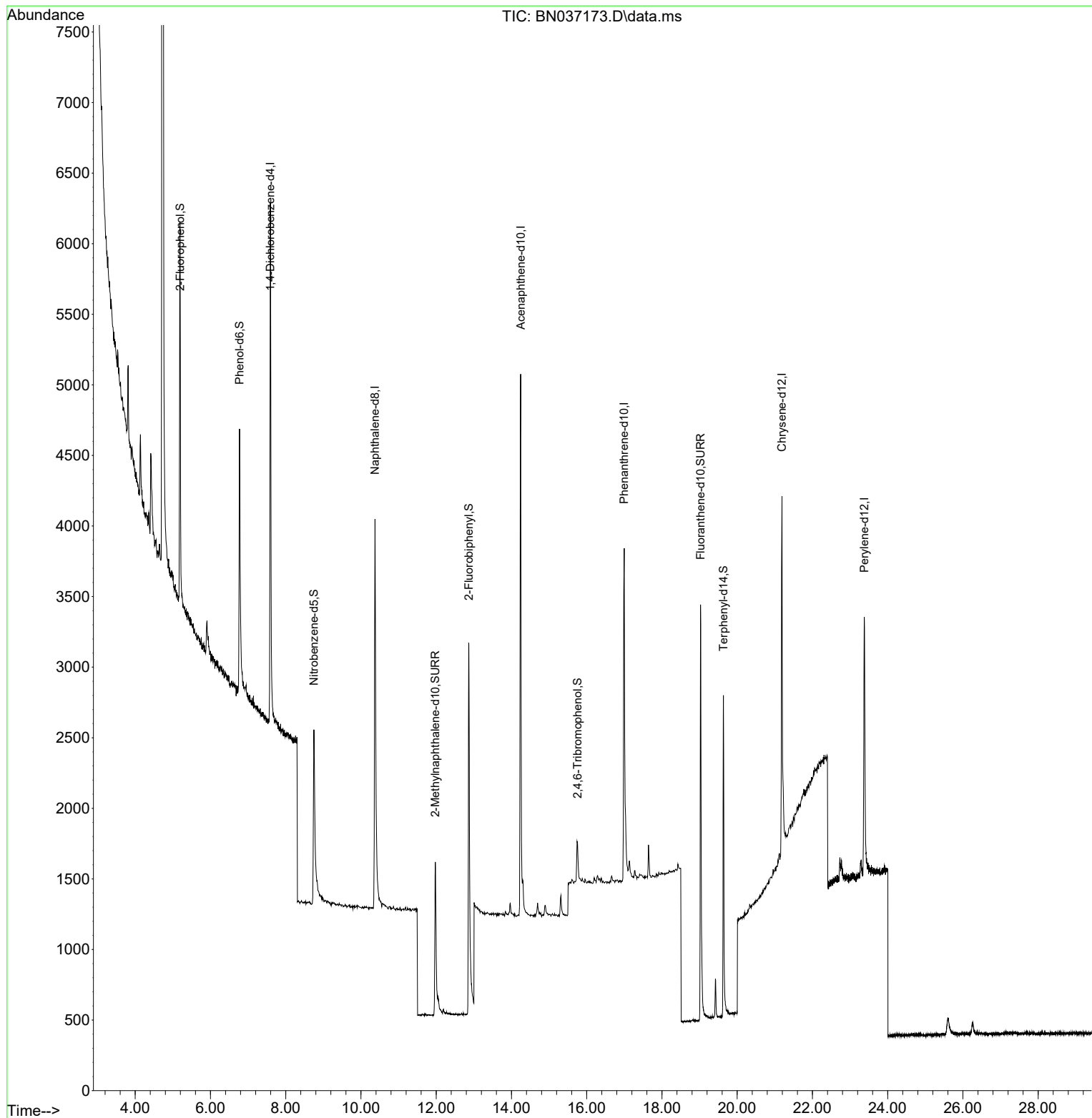
Target Compounds	Qvalue
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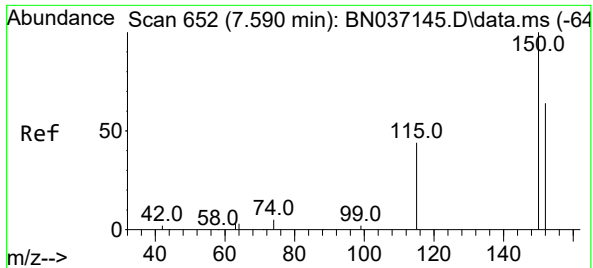
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037173.D
Acq On : 05 Jun 2025 10:19
Operator : RC/JU
Sample : PB168286BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168286BL

Quant Time: Jun 05 11:16:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

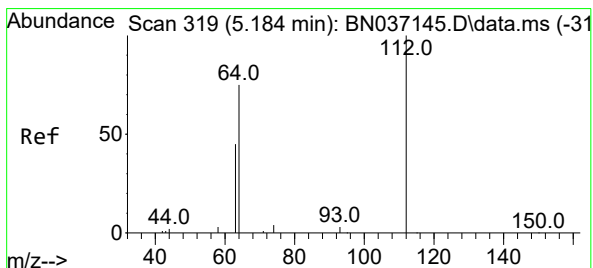
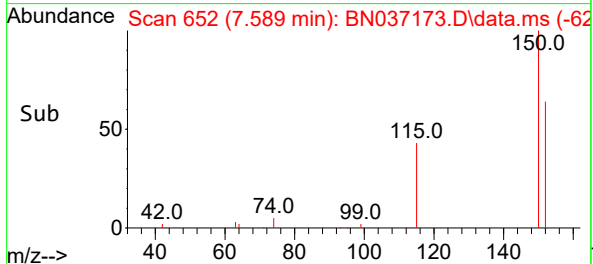
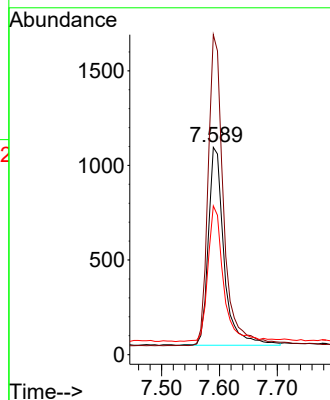
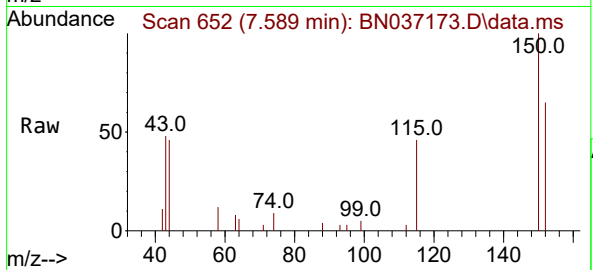




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

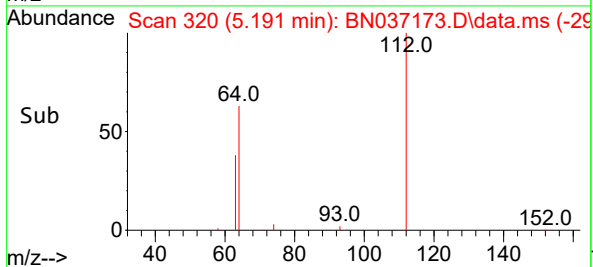
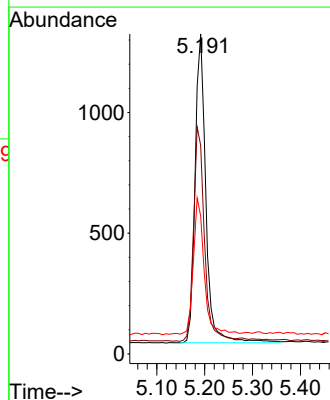
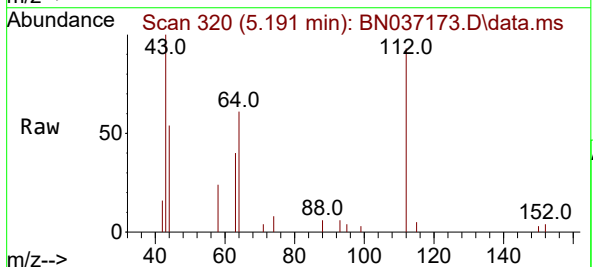
Instrument :
BNA_N
ClientSampleId :
PB168286BL

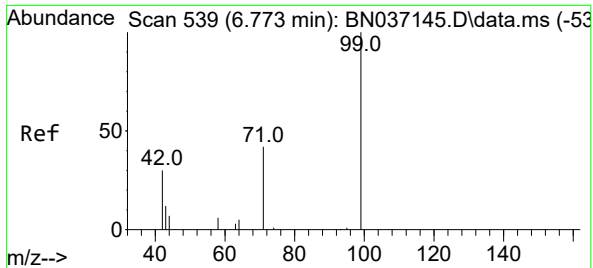
Tgt Ion:152 Resp: 1976
Ion Ratio Lower Upper
152 100
150 154.3 123.2 184.8
115 71.7 56.6 85.0



#4
2-Fluorophenol
Concen: 0.410 ng
RT: 5.191 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:112 Resp: 2002
Ion Ratio Lower Upper
112 100
64 69.5 56.3 84.5
63 45.3 36.2 54.4

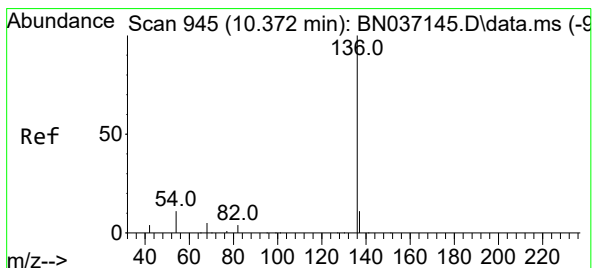
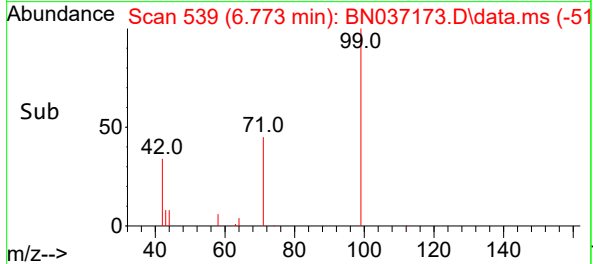
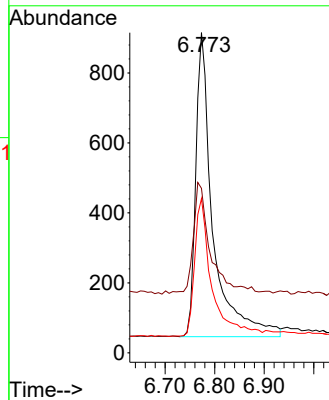
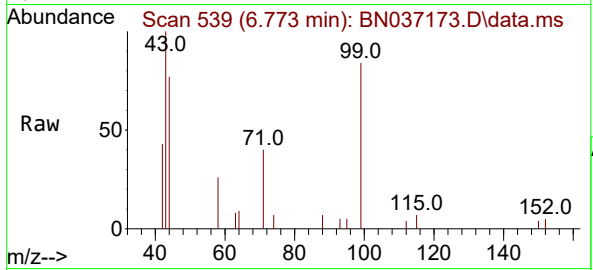




#5
Phenol-d6
Concen: 0.353 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

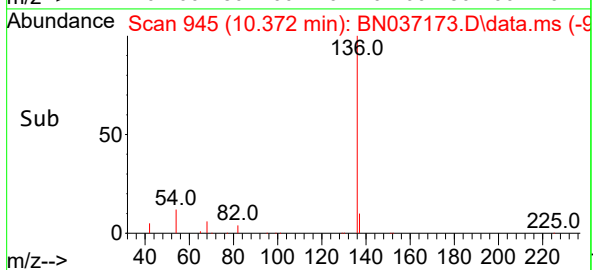
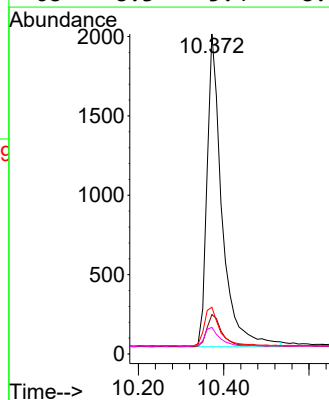
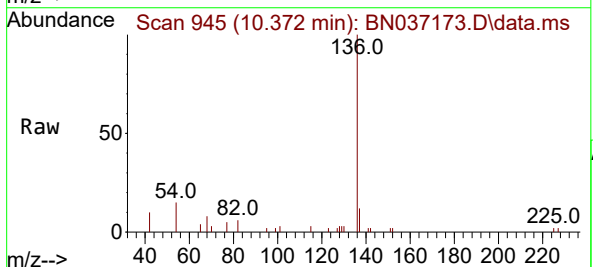
Instrument :
BNA_N
ClientSampleId :
PB168286BL

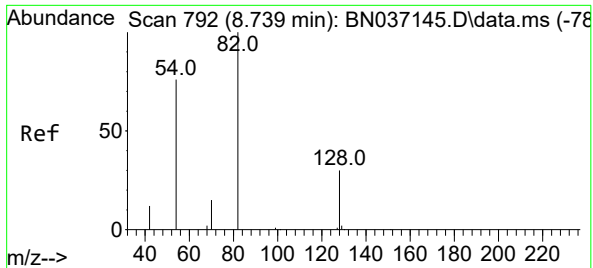
Tgt Ion:	99	Resp:	2088
Ion	Ratio	Lower	Upper
99	100		
42	35.9	31.3	46.9
71	45.3	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:	136	Resp:	4795
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	14.6	9.7	14.5#
68	8.3	5.4	8.2#

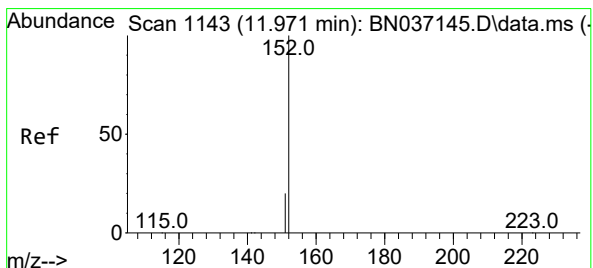
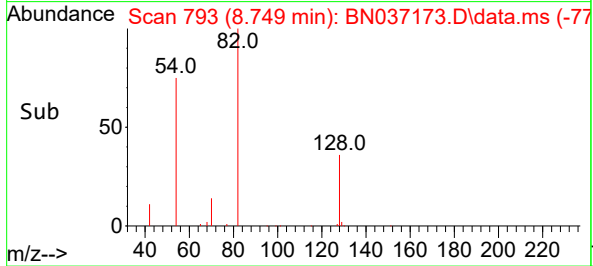
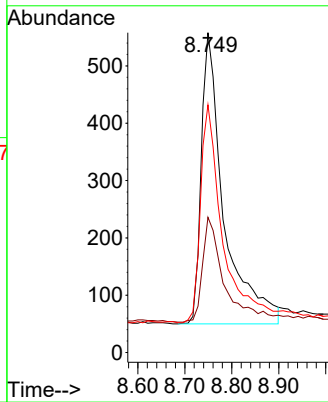
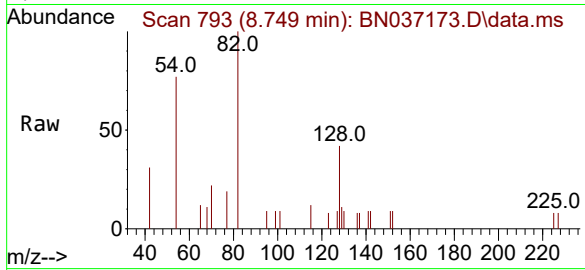




#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 8.749 min Scan# 792
Delta R.T. 0.010 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

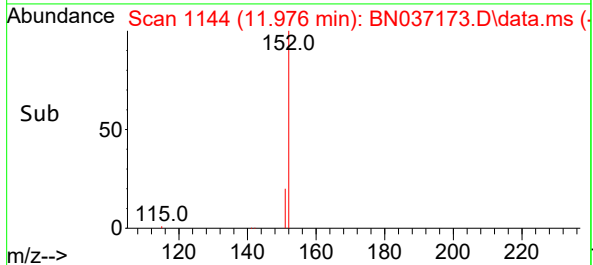
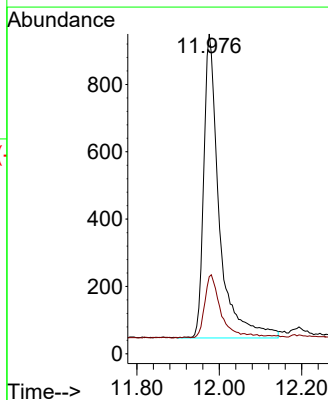
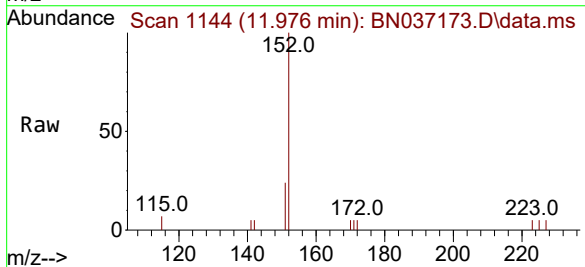
Instrument :
BNA_N
ClientSampleId :
PB168286BL

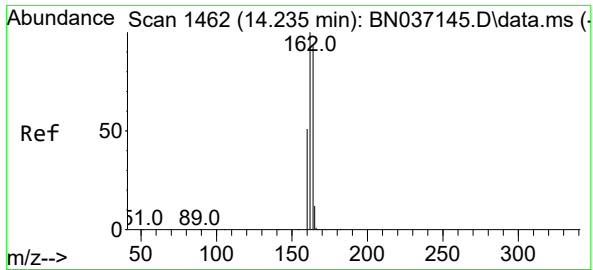
Tgt Ion: 82 Resp: 1701
Ion Ratio Lower Upper
82 100
128 42.3 26.9 40.3#
54 77.4 61.4 92.2



#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 11.976 min Scan# 1144
Delta R.T. 0.005 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion: 152 Resp: 2368
Ion Ratio Lower Upper
152 100
151 21.6 17.1 25.7

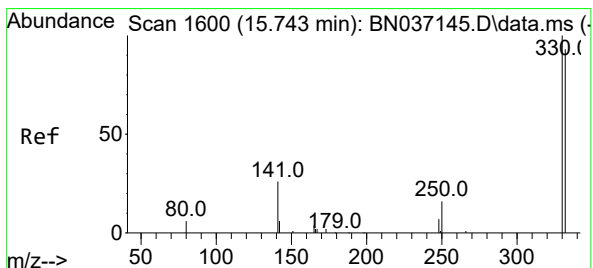
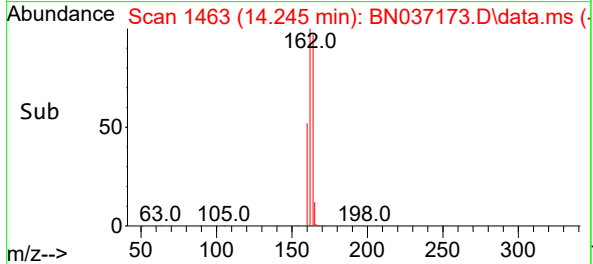
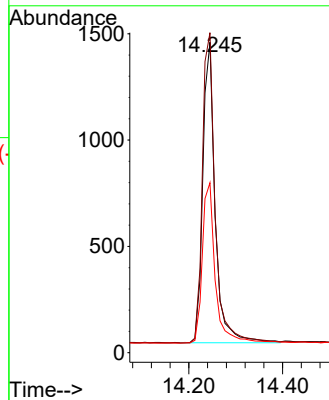
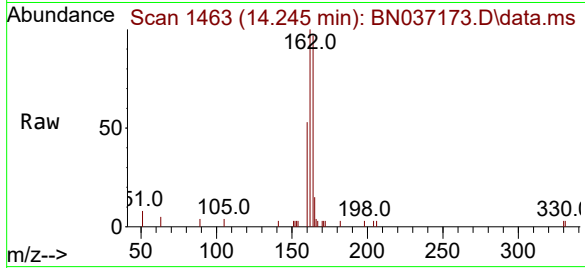




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 1463
Delta R.T. 0.010 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

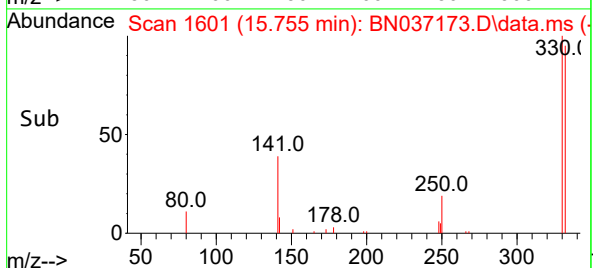
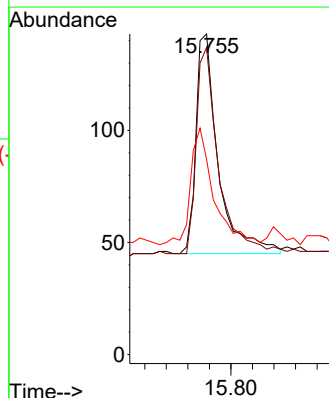
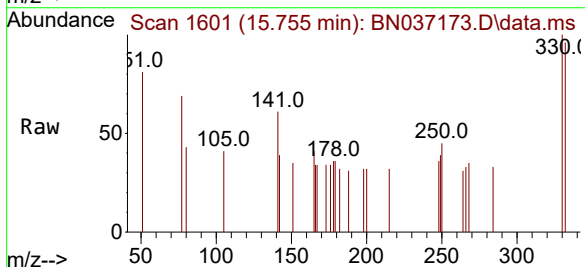
Instrument :
BNA_N
ClientSampleId :
PB168286BL

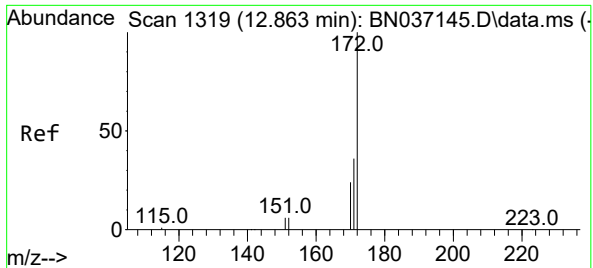
Tgt Ion:164 Resp: 2582
Ion Ratio Lower Upper
164 100
162 103.1 85.5 128.3
160 54.7 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.271 ng
RT: 15.755 min Scan# 1601
Delta R.T. 0.012 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:330 Resp: 282
Ion Ratio Lower Upper
330 100
332 93.6 77.1 115.7
141 55.3 46.4 69.6

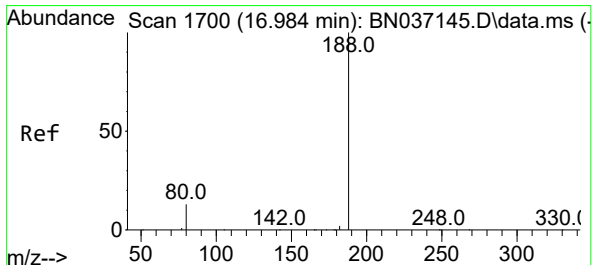
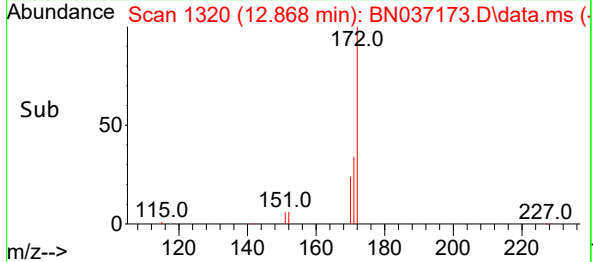
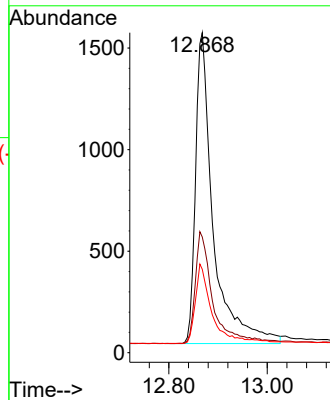
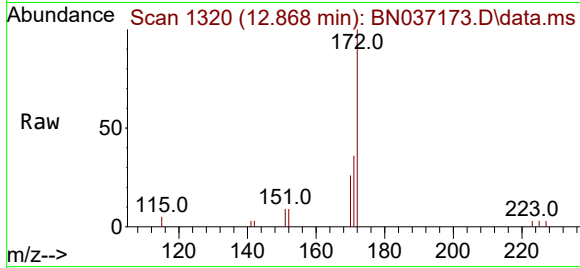




#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 12.868 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

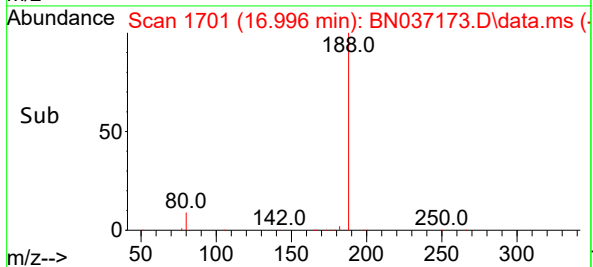
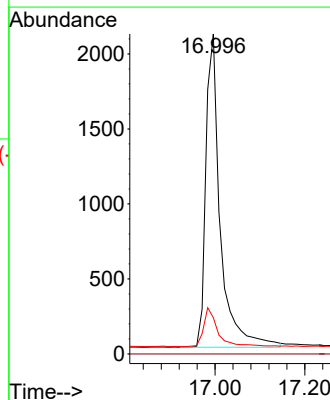
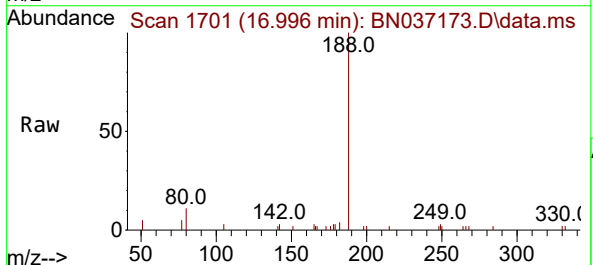
Instrument :
BNA_N
ClientSampleId :
PB168286BL

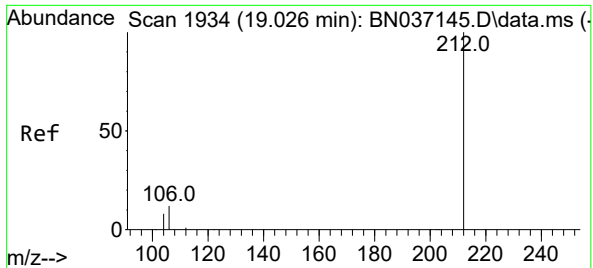
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	26.1	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1701
Delta R.T. 0.012 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

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





#27

Fluoranthene-d10

Concen: 0.341 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037173.D

Acq: 05 Jun 2025 10:19

Instrument :

BNA_N

ClientSampleId :

PB168286BL

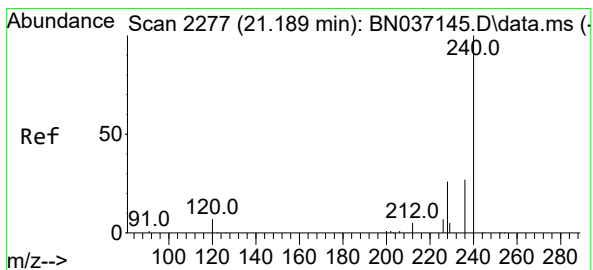
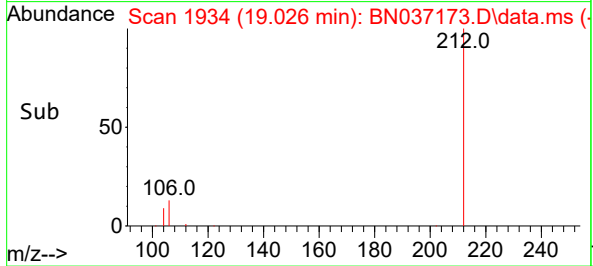
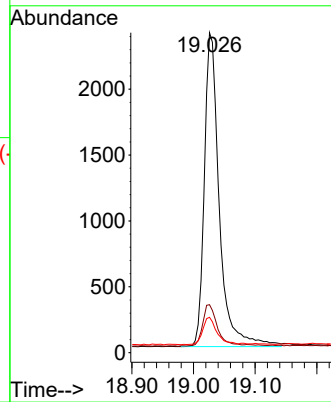
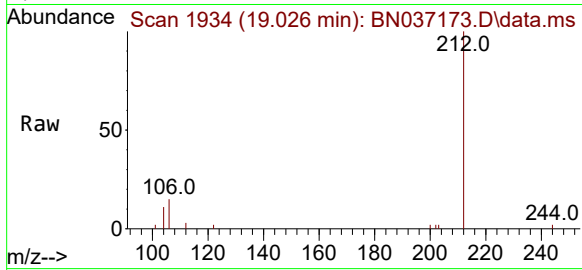
Tgt Ion:212 Resp: 4015

Ion Ratio Lower Upper

212 100

106 13.1 10.6 15.8

104 8.2 6.6 9.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BN037173.D

Acq: 05 Jun 2025 10:19

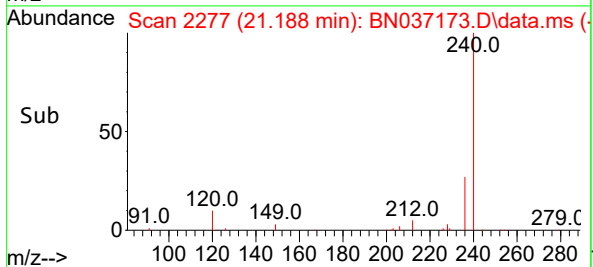
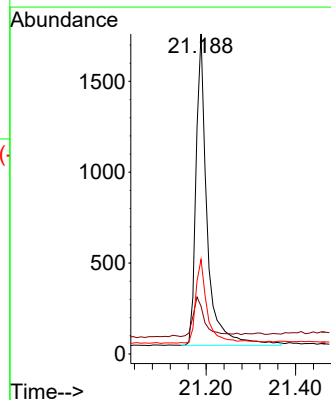
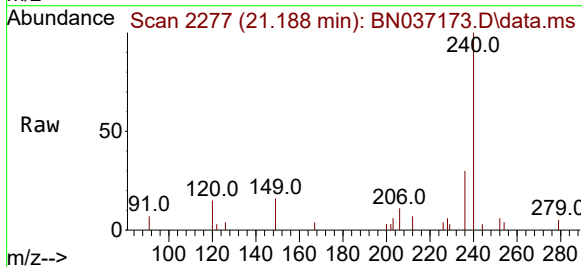
Tgt Ion:240 Resp: 2959

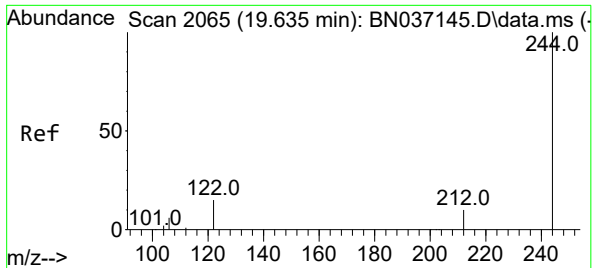
Ion Ratio Lower Upper

240 100

120 14.9 9.0 13.4#

236 29.5 23.0 34.4

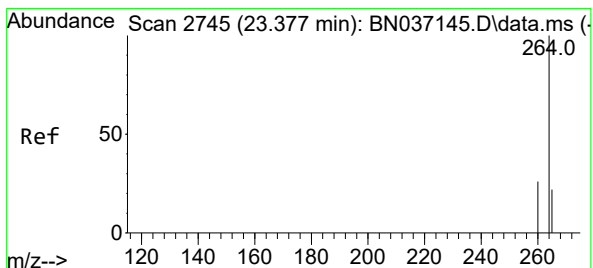
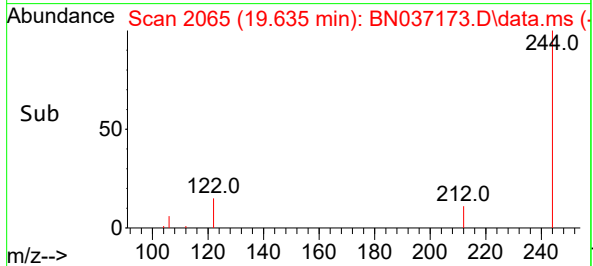
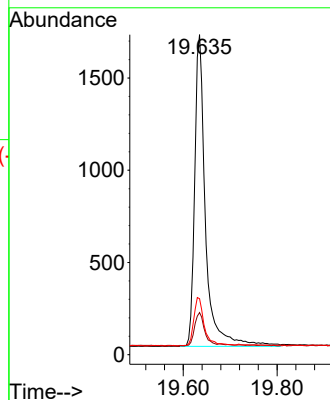
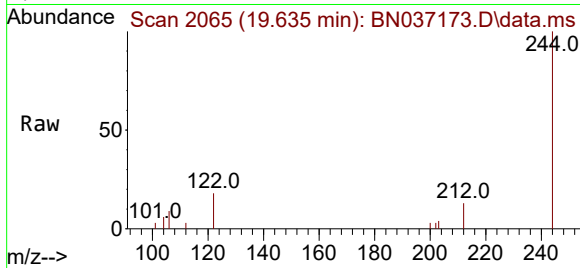




#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

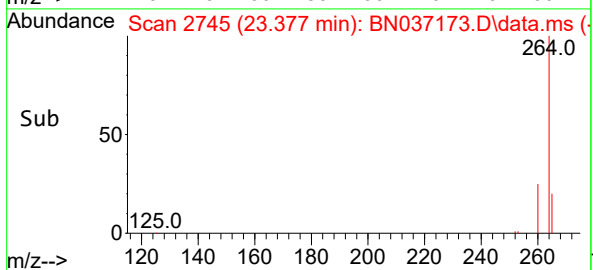
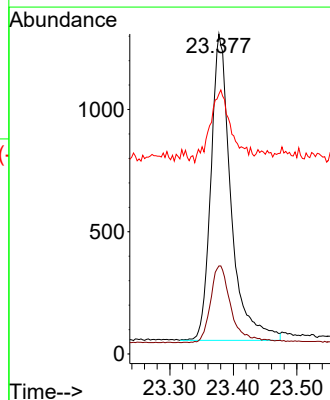
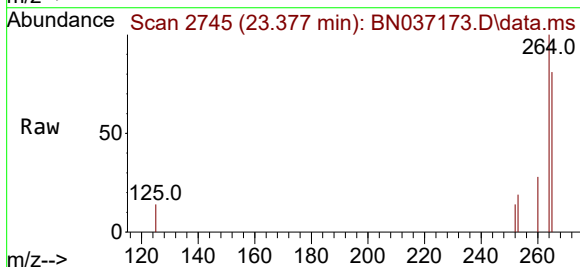
Instrument :
BNA_N
ClientSampleId :
PB168286BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.1	10.0	15.0
122	17.5	13.2	19.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.1	33.1
265	81.2	55.8	83.8



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168286BS	SDG No.:	Q2200
Lab Sample ID:	PB168286BS	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
BN037182.D	1	06/04/25 11:46	06/05/25 16:21	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.40		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2070	7.589			
1146-65-2	Naphthalene-d8	5110	10.372			
15067-26-2	Acenaphthene-d10	2440	14.235			
1517-22-2	Phenanthrene-d10	4070	16.984			
1719-03-5	Chrysene-d12	2360	21.189			
1520-96-3	Perylene-d12	2230	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037182.D
 Acq On : 05 Jun 2025 16:21
 Operator : RC/JU
 Sample : PB168286BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB168286BS

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 17:01:40 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 04 01:52:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2072	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5107	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2443	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4074	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2362	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2229	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1880	0.367	ng	0.00
5) Phenol-d6	6.773	99	2231	0.359	ng	0.00
8) Nitrobenzene-d5	8.739	82	1885	0.350	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2741m	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	300	0.305	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3936	0.378	ng	0.00
27) Fluoranthene-d10	19.026	212	3150	0.304	ng	0.00
31) Terphenyl-d14	19.635	244	2031	0.365	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1103	0.399	ng	# 23
3) n-Nitrosodimethylamine	3.429	42	2040	0.368	ng	99
6) bis(2-Chloroethyl)ether	7.026	93	2012	0.340	ng	95
9) Naphthalene	10.415	128	4997	0.339	ng	100
10) Hexachlorobutadiene	10.714	225	1165	0.363	ng	# 100
12) 2-Methylnaphthalene	12.042	142	2842	0.301	ng	98
16) Acenaphthylene	13.957	152	4682	0.391	ng	100
17) Acenaphthene	14.299	154	2768	0.356	ng	99
18) Fluorene	15.293	166	3450	0.337	ng	100
20) 4,6-Dinitro-2-methylph...	15.389	198	298	0.524	ng	# 67
21) 4-Bromophenyl-phenylether	16.189	248	963	0.361	ng	98
22) Hexachlorobenzene	16.301	284	1084	0.376	ng	98
23) Atrazine	16.462	200	769	0.349	ng	99
24) Pentachlorophenol	16.649	266	556	0.537	ng	99
25) Phenanthrene	17.033	178	4685	0.355	ng	99
26) Anthracene	17.120	178	4323	0.359	ng	99
28) Fluoranthene	19.054	202	4321	0.296	ng	99
30) Pyrene	19.421	202	4321	0.375	ng	100
32) Benzo(a)anthracene	21.171	228	3133	0.366	ng	98
33) Chrysene	21.224	228	3555	0.373	ng	99
34) Bis(2-ethylhexyl)phtha...	21.117	149	1853	0.343	ng	99
36) Indeno(1,2,3-cd)pyrene	25.579	276	3777	0.426	ng	99
37) Benzo(b)fluoranthene	22.725	252	3171	0.352	ng	92
38) Benzo(k)fluoranthene	22.769	252	3407	0.371	ng	93
39) Benzo(a)pyrene	23.284	252	2920	0.387	ng	95
40) Dibenzo(a,h)anthracene	25.590	278	2933	0.429	ng	97
41) Benzo(g,h,i)perylene	26.248	276	3292	0.419	ng	99

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

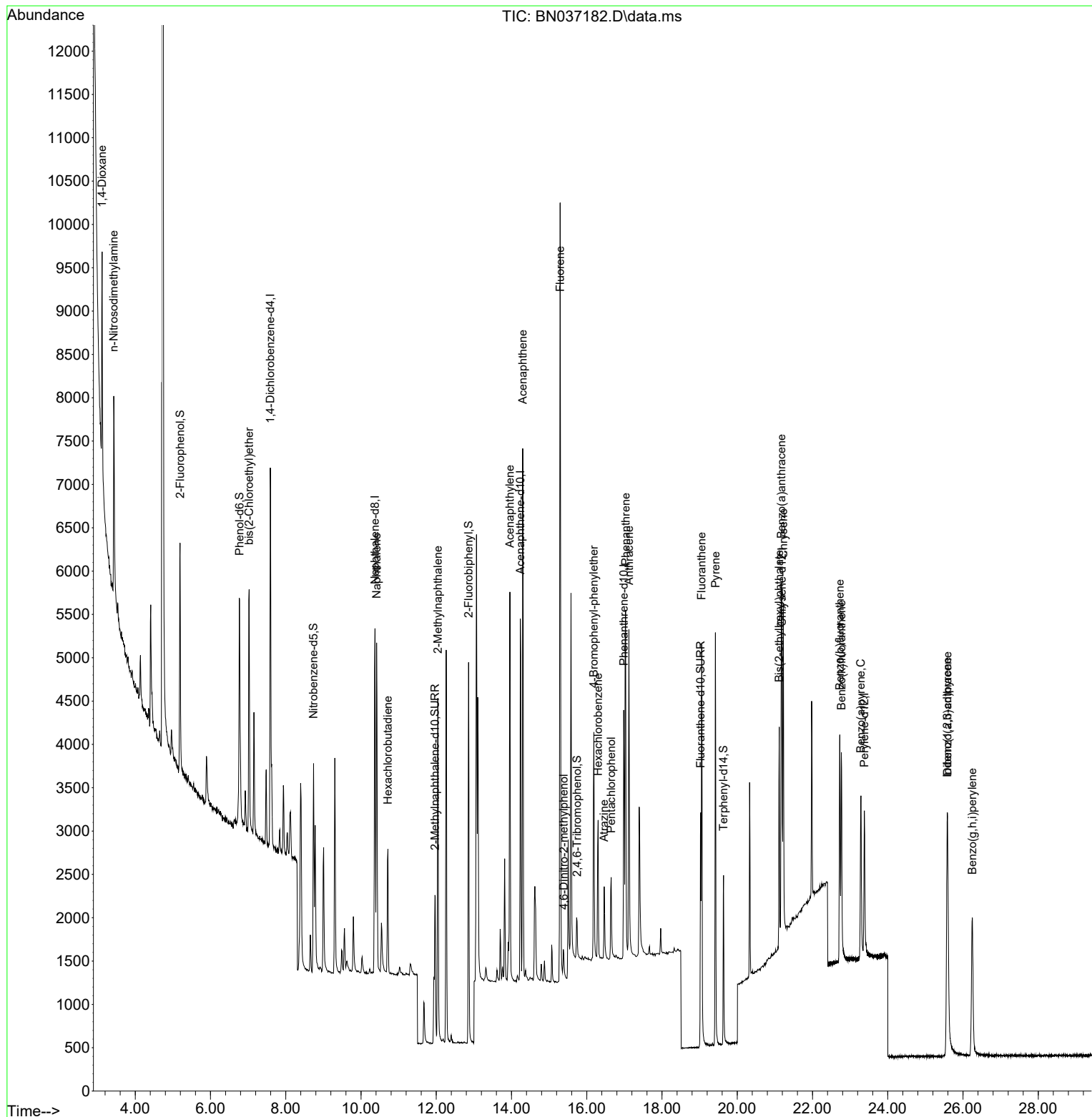
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Data File : BN037182.D
Acq On : 05 Jun 2025 16:21
Operator : RC/JU
Sample : PB168286BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

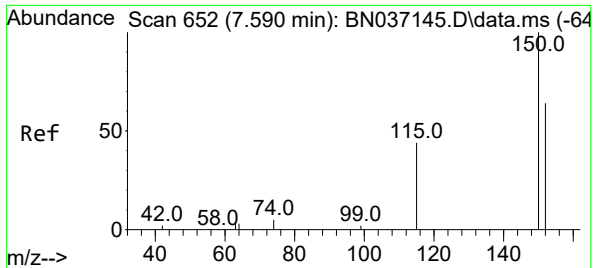
Instrument :
BNA_N
ClientSampleId :
PB168286BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

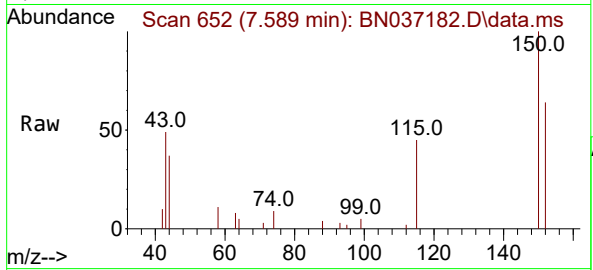
Quant Time: Jun 05 17:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

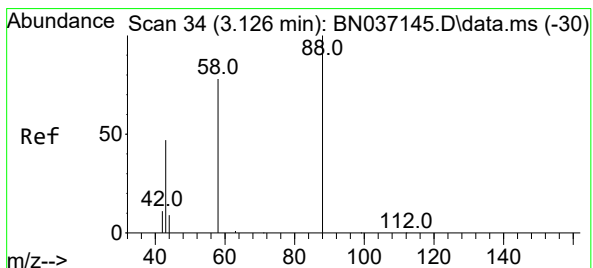
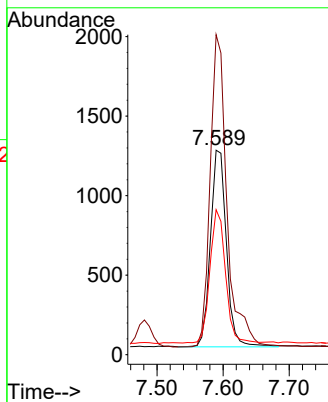
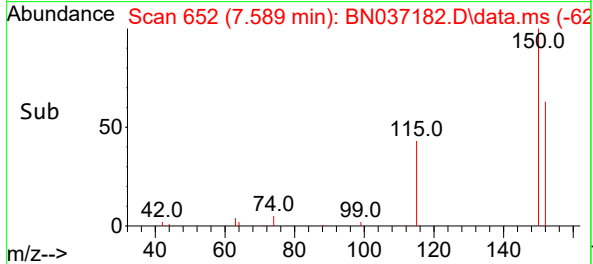
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion: 152 Resp: 2072
Ion Ratio Lower Upper
152 100
150 156.5 123.2 184.8
115 70.9 56.6 85.0

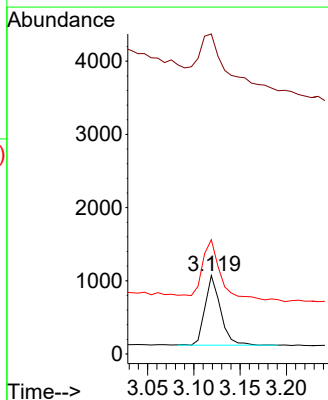
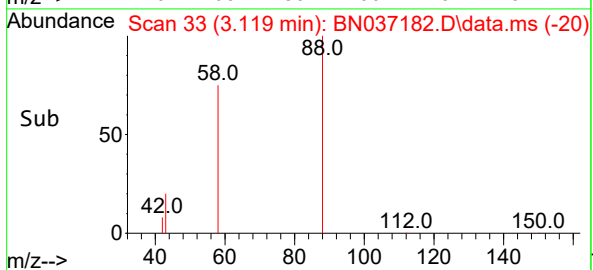
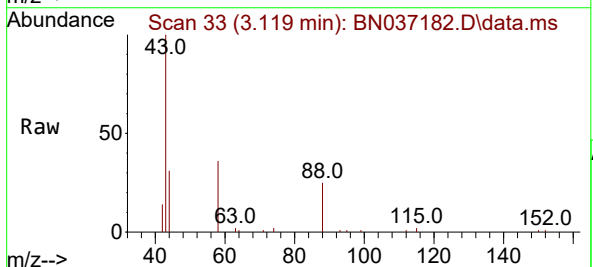
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

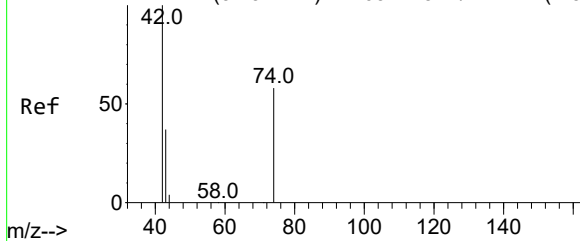


#2
1,4-Dioxane
Concen: 0.399 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Tgt Ion: 88 Resp: 1103
Ion Ratio Lower Upper
88 100
43 154.5 43.5 65.3#
58 118.1 67.7 101.5#



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.368 ng

RT: 3.429 min Scan# 70

Delta R.T. -0.007 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

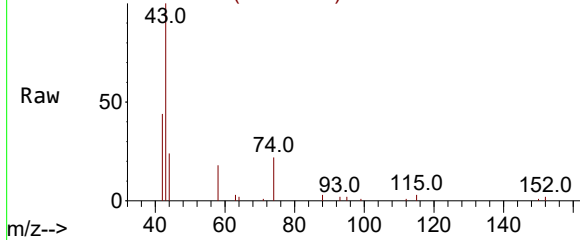
Instrument :

BNA_N

ClientSampleId :

PB168286BS

Abundance Scan 76 (3.429 min): BN037182.D\data.ms



Tgt Ion: 42 Resp: 2040

Ion Ratio Lower Upper

42 100

74 65.3 53.0 79.4

44 6.2 5.9 8.9

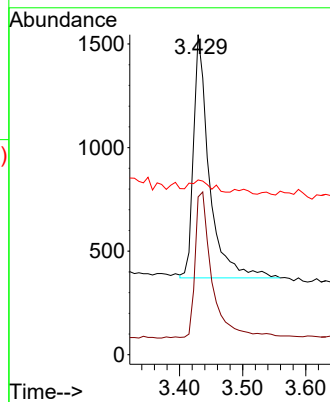
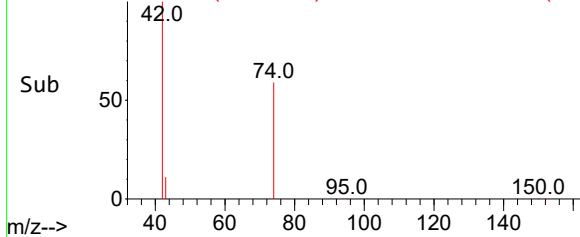
Manual Integrations

APPROVED

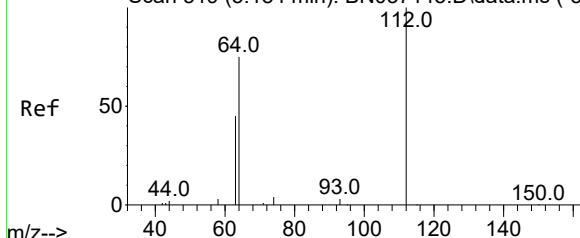
Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Abundance Scan 76 (3.429 min): BN037182.D\data.ms (-56)



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



#4

2-Fluorophenol

Concen: 0.367 ng

RT: 5.192 min Scan# 320

Delta R.T. 0.007 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Tgt Ion:112 Resp: 1880

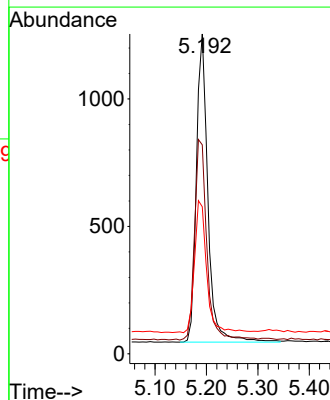
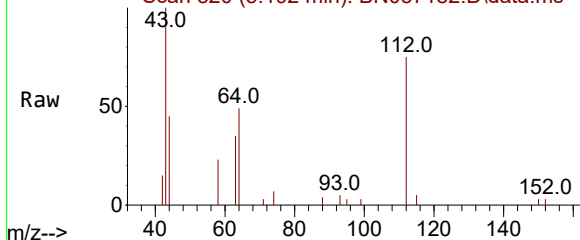
Ion Ratio Lower Upper

112 100

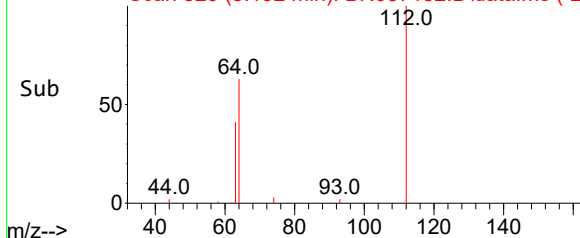
64 68.9 56.3 84.5

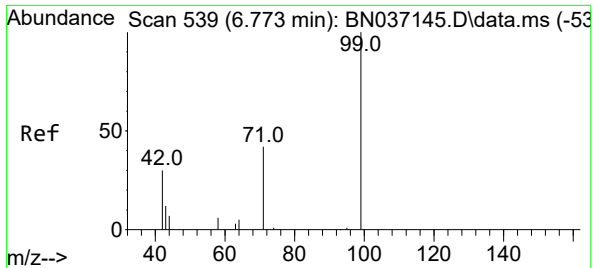
63 44.3 36.2 54.4

Abundance Scan 320 (5.192 min): BN037182.D\data.ms



Abundance Scan 320 (5.192 min): BN037182.D\data.ms (-29)





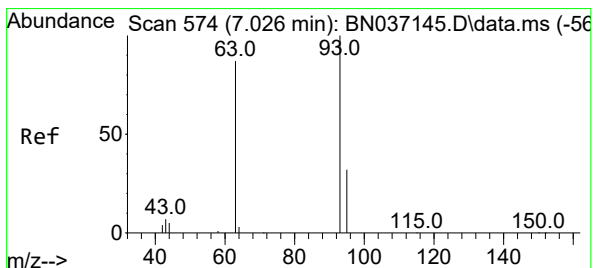
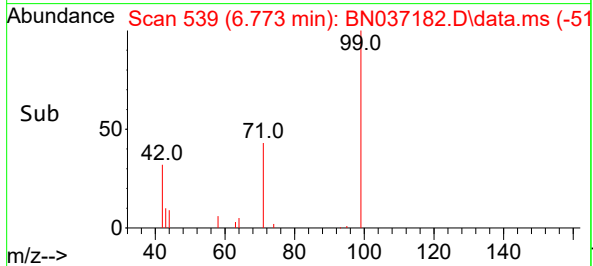
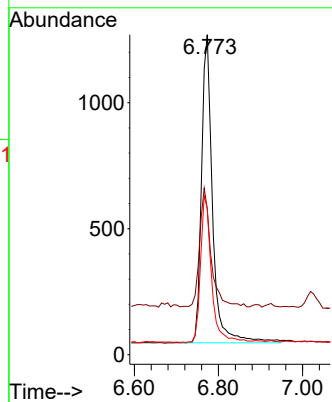
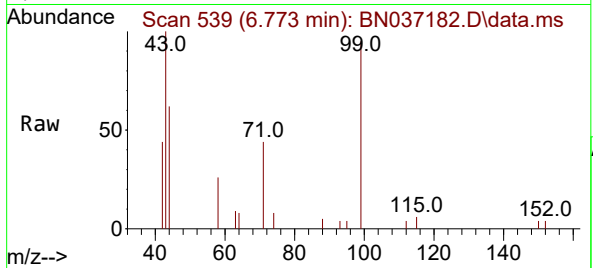
#5
Phenol-d6
Concen: 0.359 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Instrument :
BNA_N
ClientSampleId :
PB168286BS

Tgt Ion: 99 Resp: 223
Ion Ratio Lower Upper
99 100
42 39.5 31.3 46.9
71 46.8 38.2 57.2

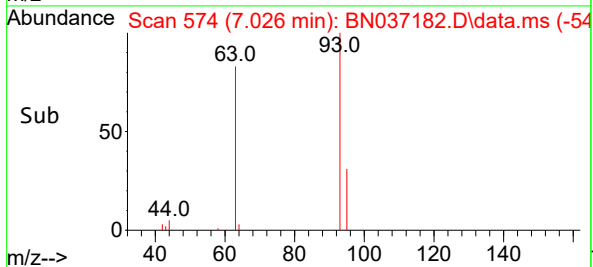
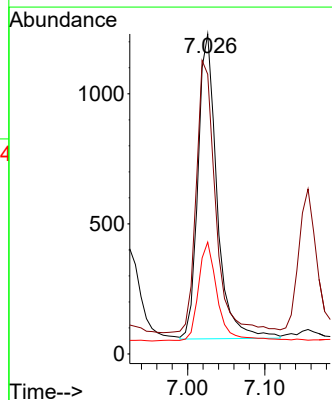
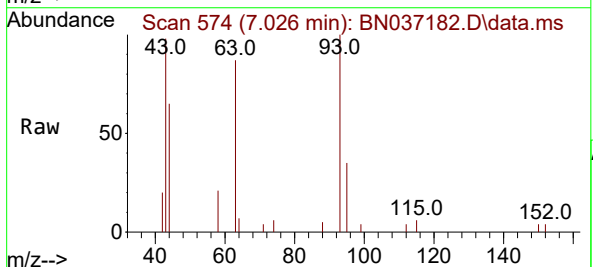
Manual Integrations
APPROVED

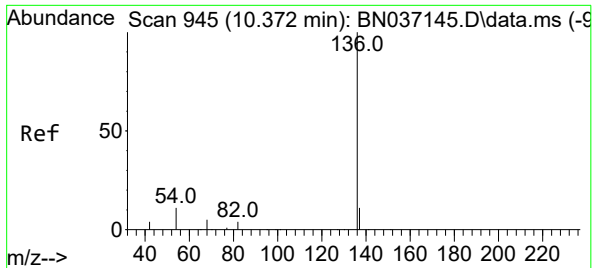
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.340 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

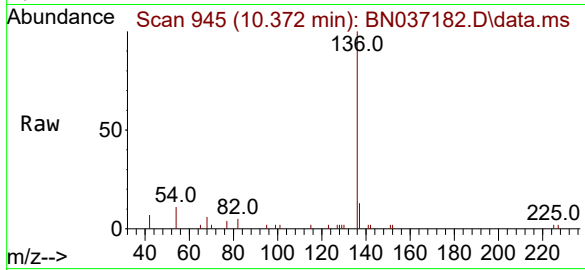
Tgt Ion: 93 Resp: 2012
Ion Ratio Lower Upper
93 100
63 90.7 68.6 103.0
95 32.8 24.3 36.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

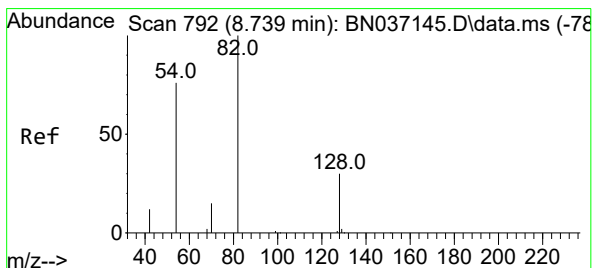
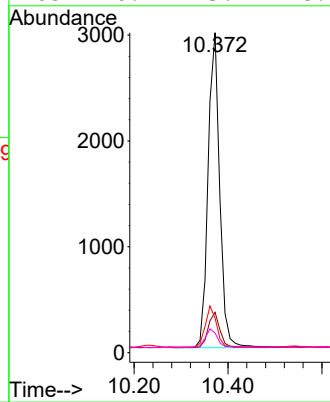
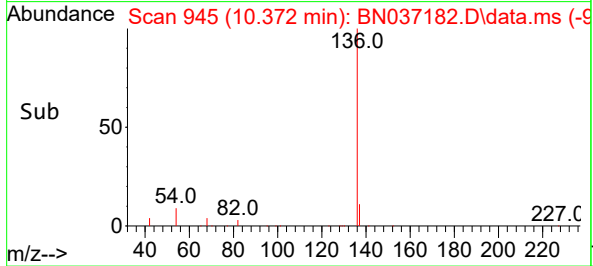
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion: 136 Resp: 510
Ion Ratio Lower Upper
136 100
137 12.6 9.7 14.5
54 10.8 9.7 14.5
68 6.1 5.4 8.2

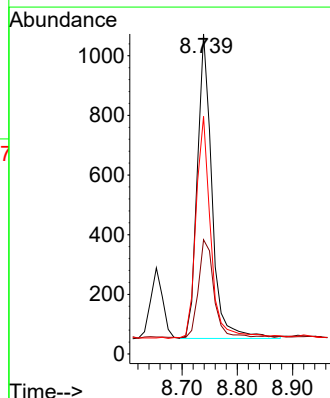
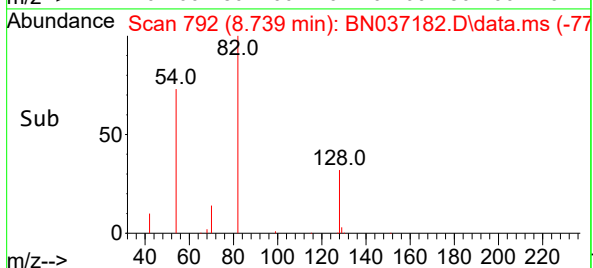
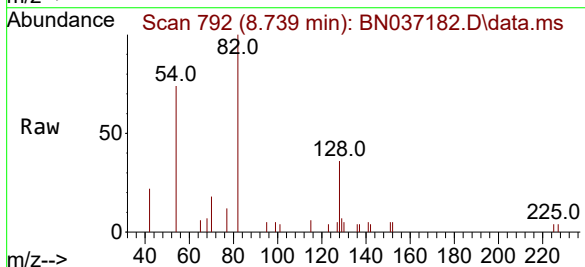
Manual Integrations
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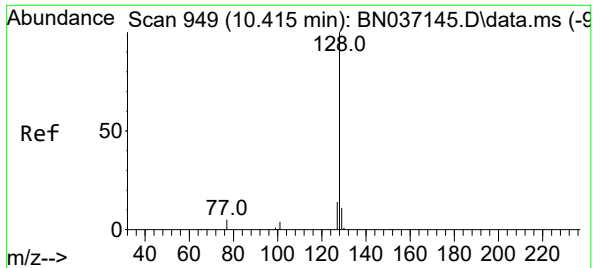
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#8
Nitrobenzene-d5
Concen: 0.350 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Tgt Ion: 82 Resp: 1885
Ion Ratio Lower Upper
82 100
128 35.7 26.9 40.3
54 74.2 61.4 92.2





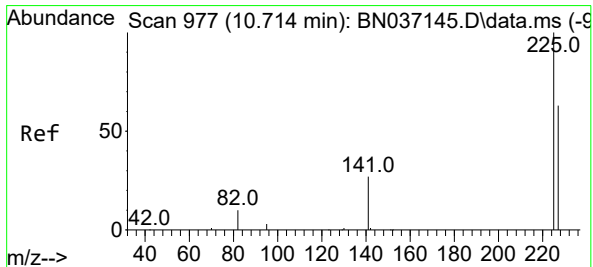
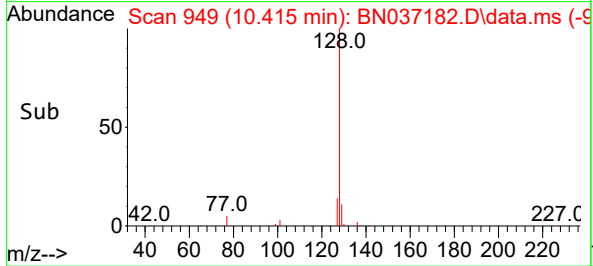
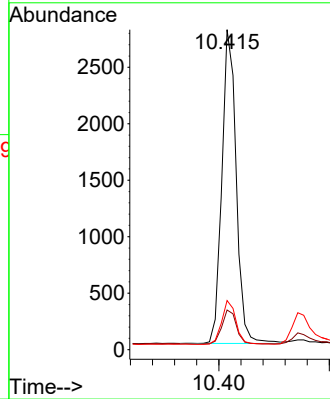
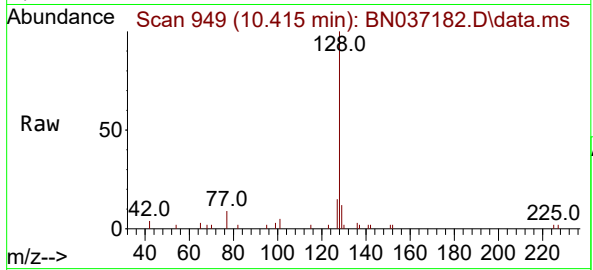
#9
Naphthalene
Concen: 0.339 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Instrument :
BNA_N
ClientSampleId :
PB168286BS

Tgt Ion:128 Resp: 499
Ion Ratio Lower Upper
128 100
129 12.4 9.8 14.8
127 15.4 12.3 18.5

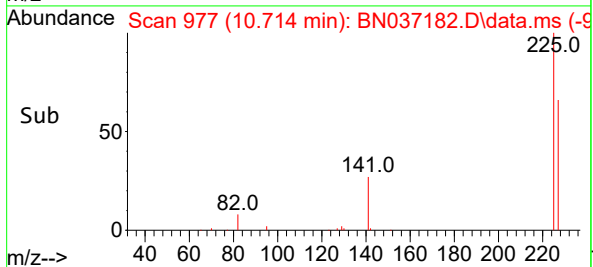
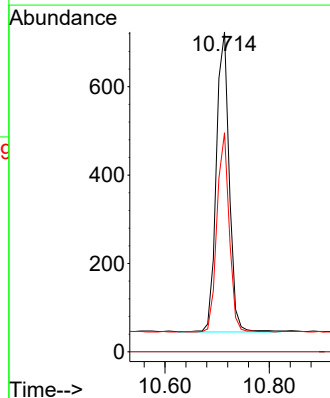
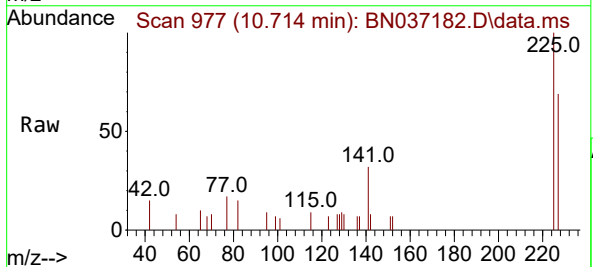
Manual Integrations
APPROVED

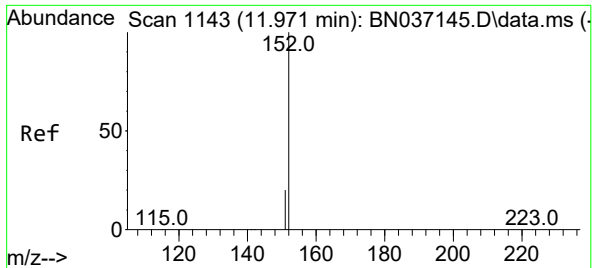
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#10
Hexachlorobutadiene
Concen: 0.363 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

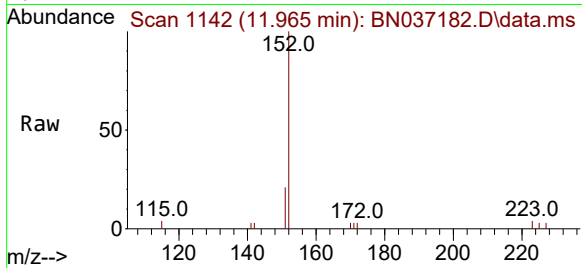
Tgt Ion:225 Resp: 1165
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.8 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.386 ng m
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

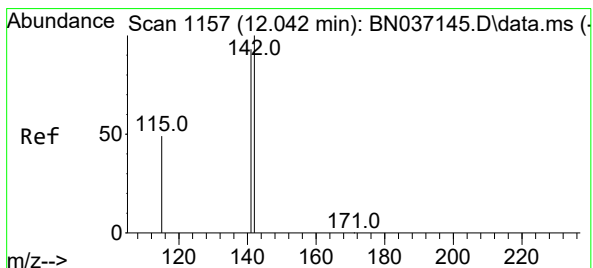
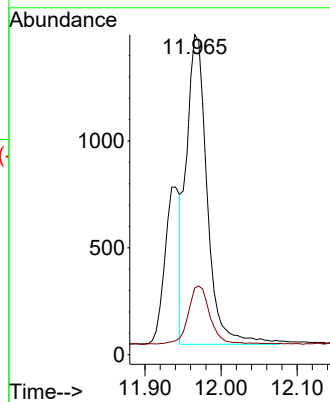
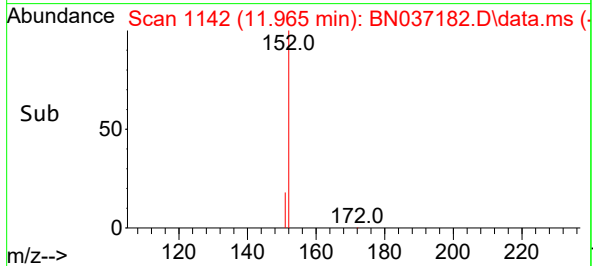
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:152 Resp: 274
Ion Ratio Lower Upper
152 100
151 19.7 17.1 25.7

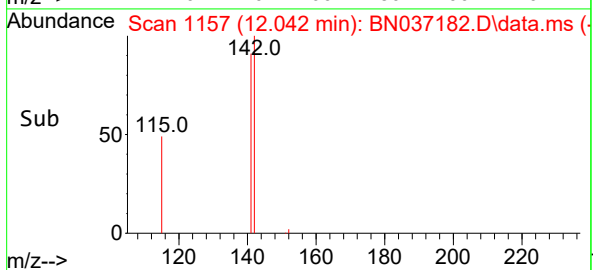
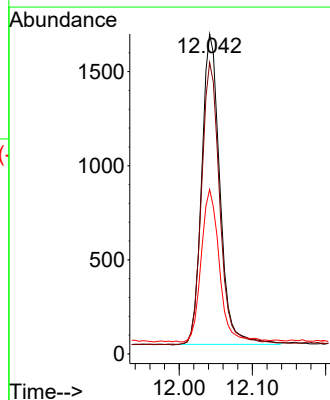
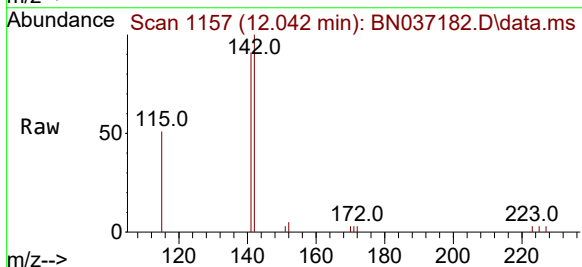
Manual Integrations
APPROVED

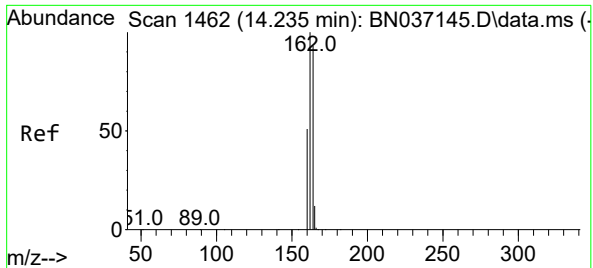
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#12
2-Methylnaphthalene
Concen: 0.301 ng
RT: 12.042 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

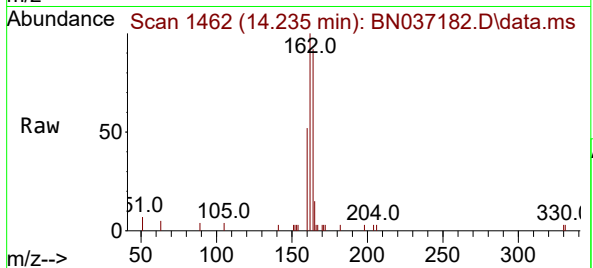
Tgt Ion:142 Resp: 2842
Ion Ratio Lower Upper
142 100
141 91.1 74.6 111.8
115 51.4 41.0 61.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

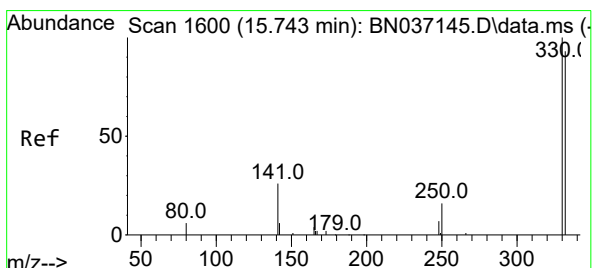
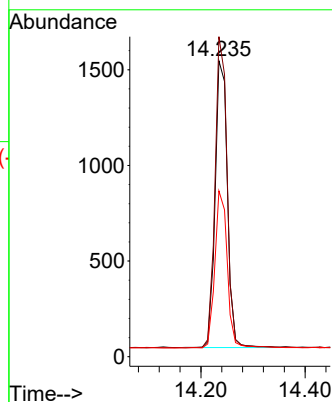
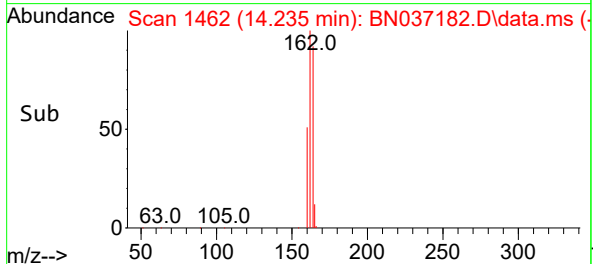
Instrument :
BNA_N
ClientSampleId :
PB168286BS



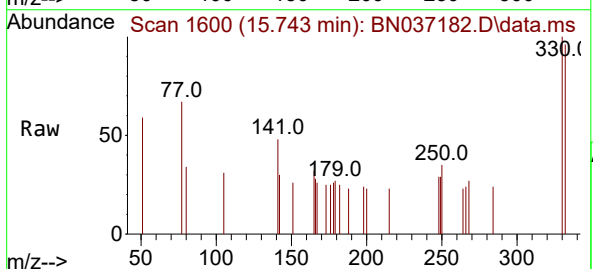
Tgt Ion:164 Resp: 244
Ion Ratio Lower Upper
164 100
162 108.1 85.5 128.3
160 56.0 44.6 67.0

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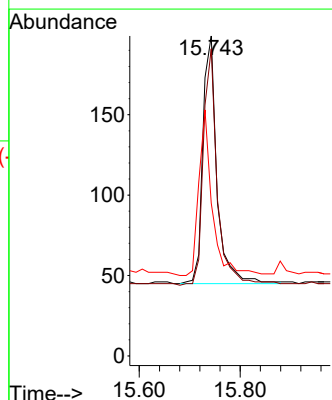
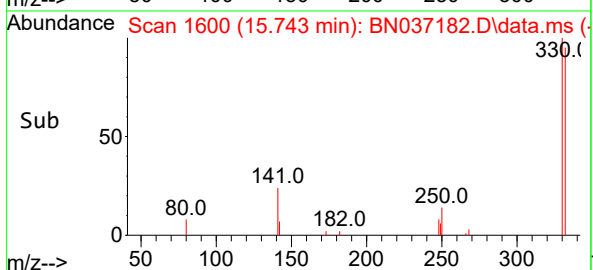
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

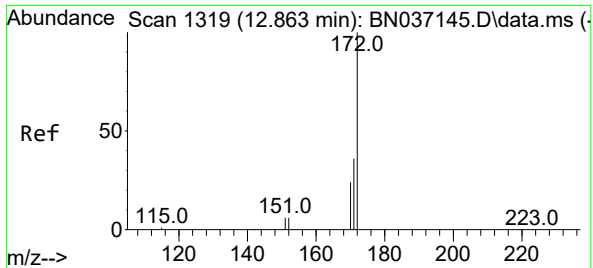


#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21



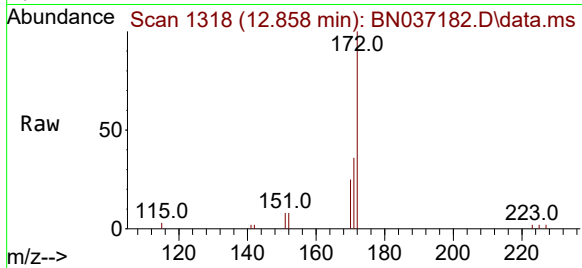
Tgt Ion:330 Resp: 300
Ion Ratio Lower Upper
330 100
332 94.7 77.1 115.7
141 63.0 46.4 69.6





#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.858 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

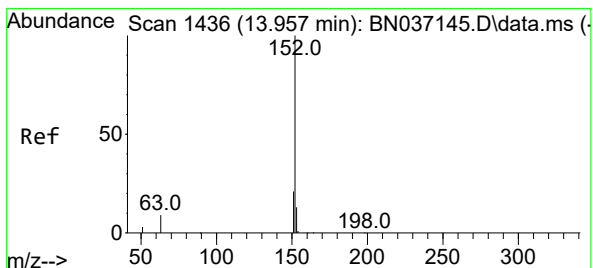
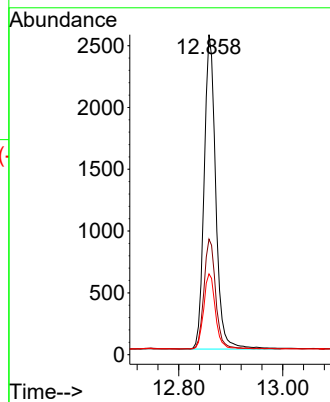
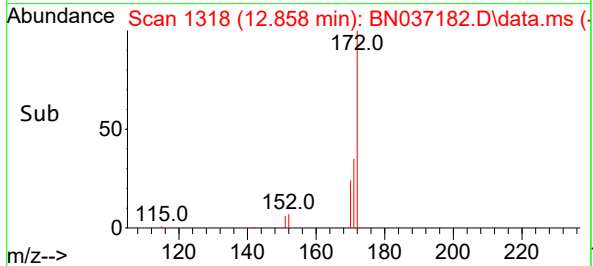
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:172 Resp: 3930
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 25.3 20.3 30.5

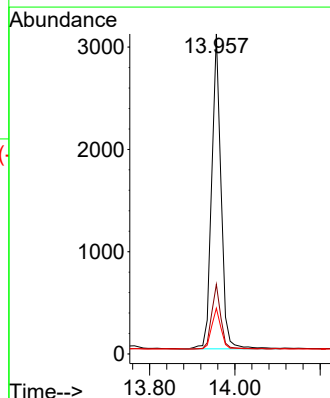
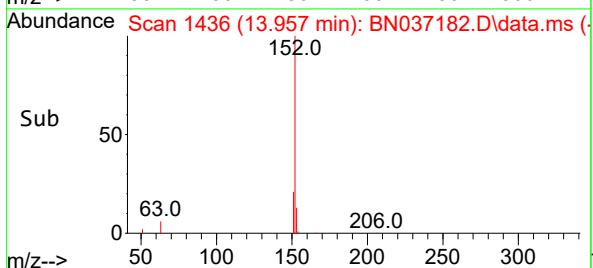
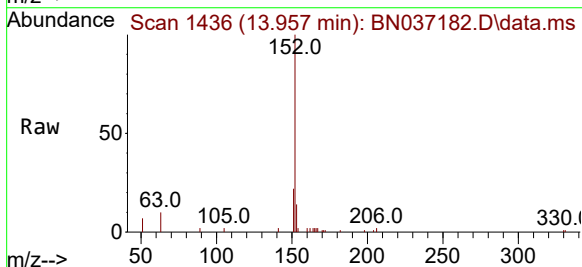
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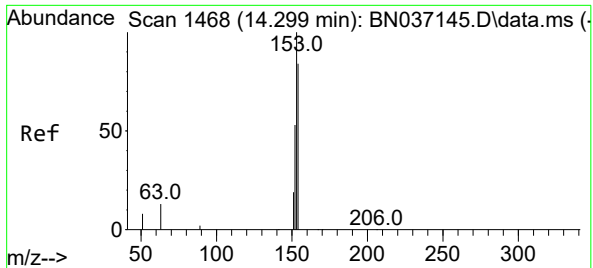
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#16
Acenaphthylene
Concen: 0.391 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

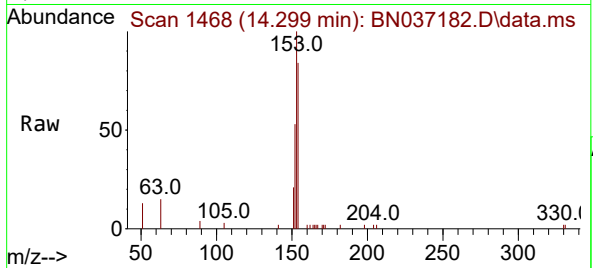
Tgt Ion:152 Resp: 4682
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 12.9 10.6 15.8





#17
Acenaphthene
Concen: 0.356 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

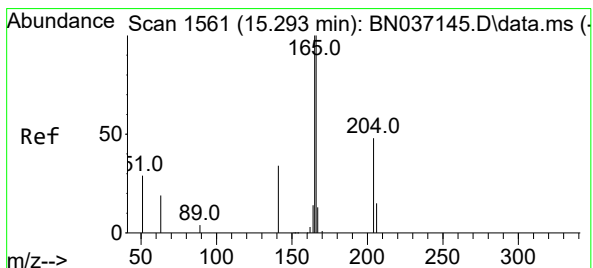
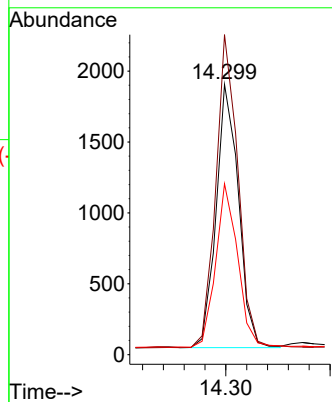
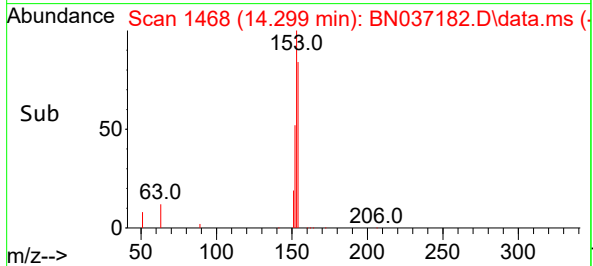
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:154 Resp: 2768
Ion Ratio Lower Upper
154 100
153 118.1 93.8 140.8
152 61.6 50.5 75.7

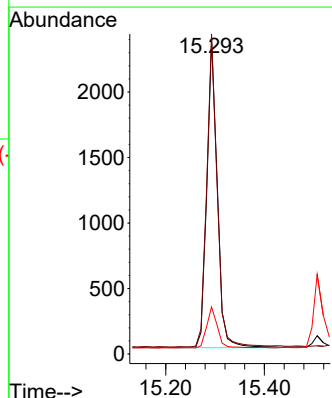
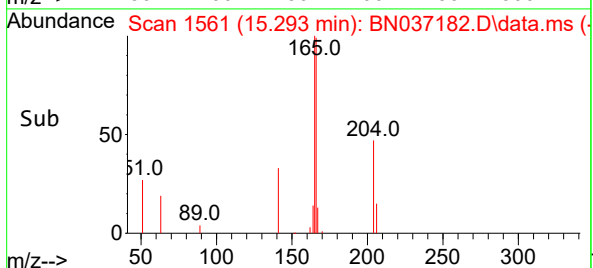
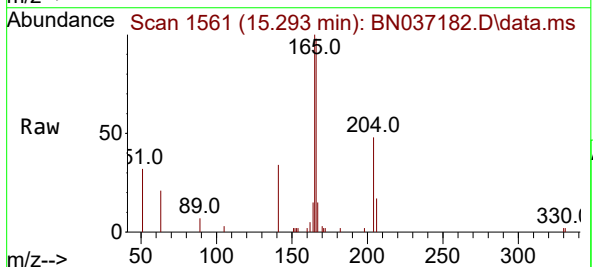
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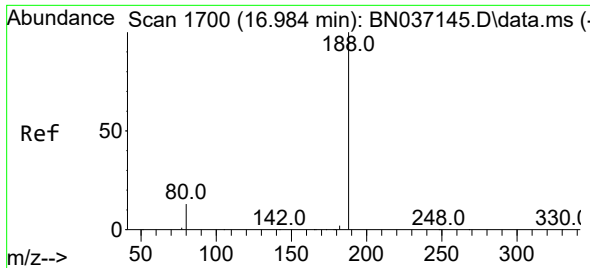
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#18
Fluorene
Concen: 0.337 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Tgt Ion:166 Resp: 3450
Ion Ratio Lower Upper
166 100
165 101.0 81.1 121.7
167 13.5 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS

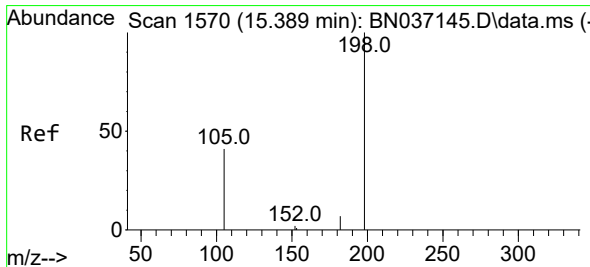
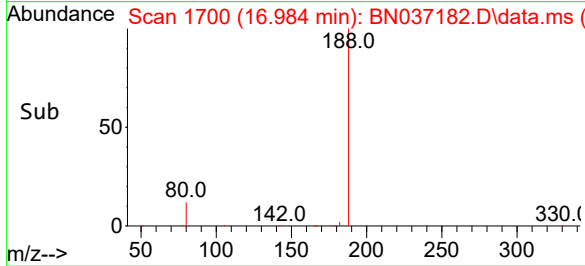
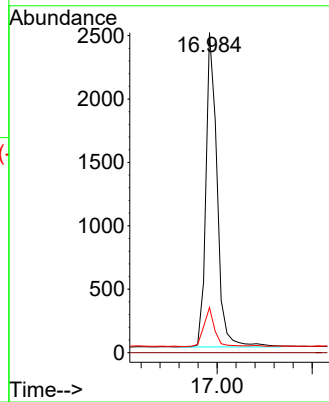
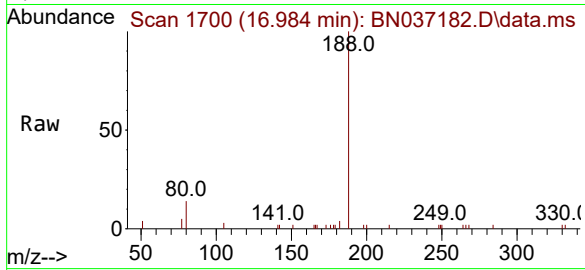
Tgt Ion:	188	Resp:	4074
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	14.1	11.3	16.9

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.524 ng

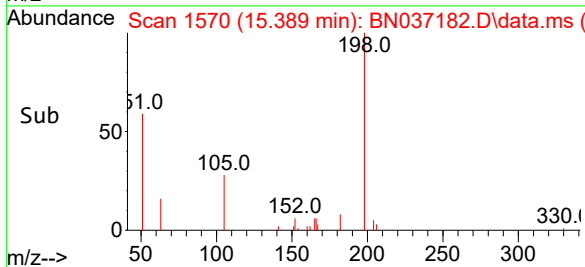
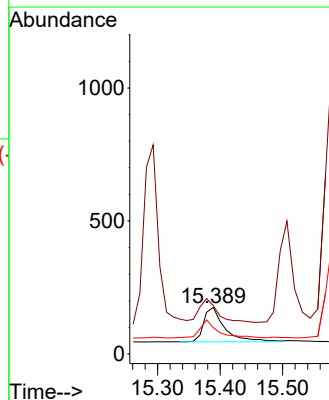
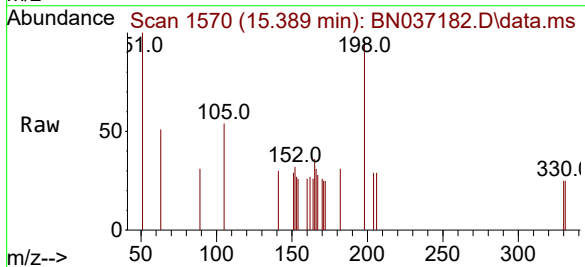
RT: 15.389 min Scan# 1570

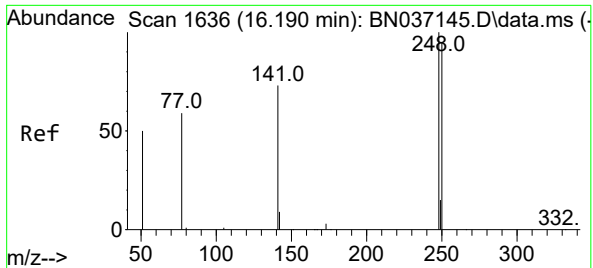
Delta R.T. 0.000 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

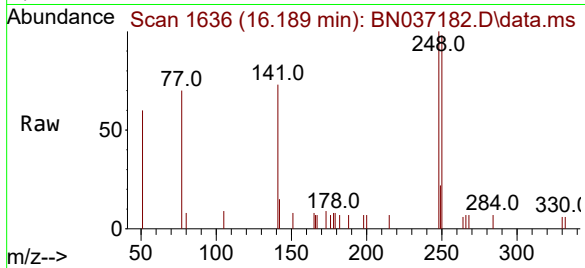
Tgt Ion:	198	Resp:	298
Ion Ratio	Lower	Upper	
198	100		
51	104.0	125.2	187.8#
105	56.6	57.1	85.7#





#21
4-Bromophenyl-phenylether
Concen: 0.361 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

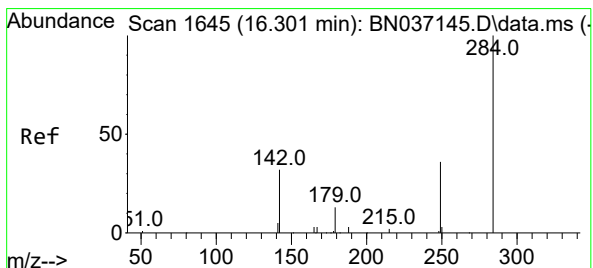
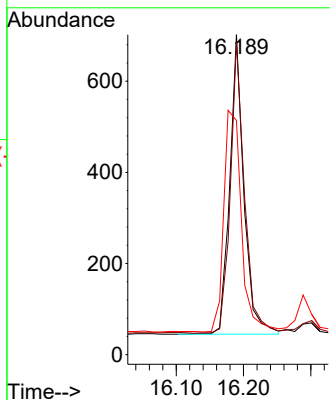
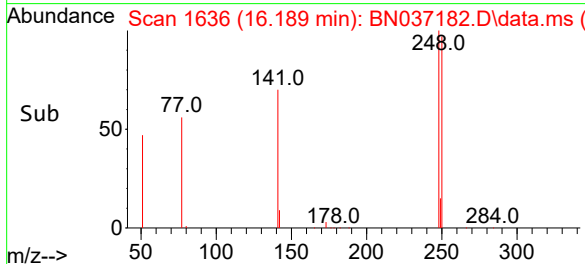
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:248 Resp: 96.1
Ion Ratio Lower Upper
248 100
250 97.7 76.1 114.1
141 73.2 60.1 90.1

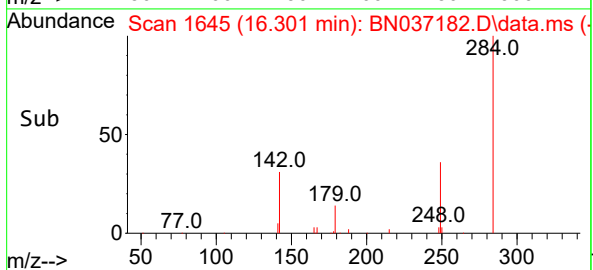
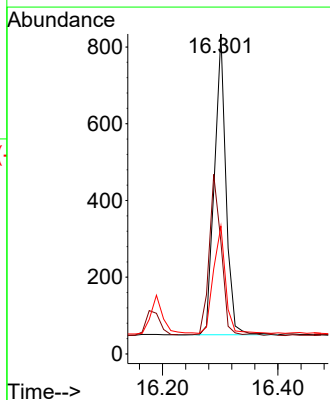
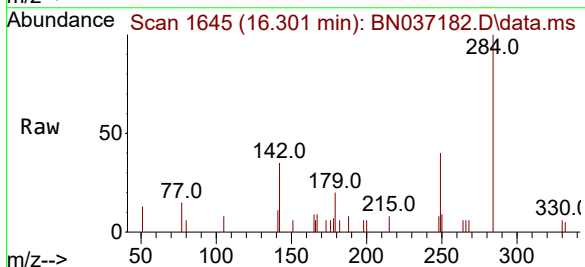
Manual Integrations
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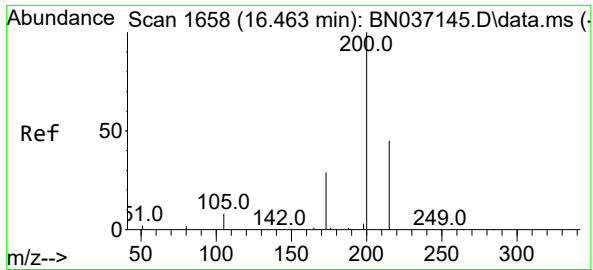
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#22
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Tgt Ion:284 Resp: 1084
Ion Ratio Lower Upper
284 100
142 56.5 44.0 66.0
249 37.5 29.7 44.5





#23

Atrazine

Concen: 0.349 ng

RT: 16.462 min Scan# 1658

Delta R.T. -0.000 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS

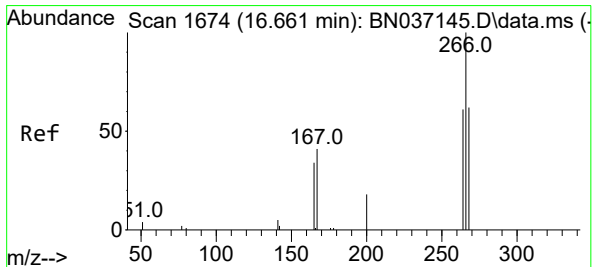
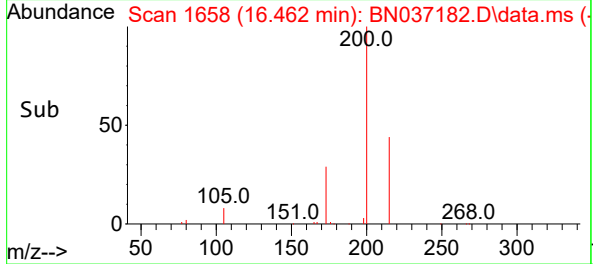
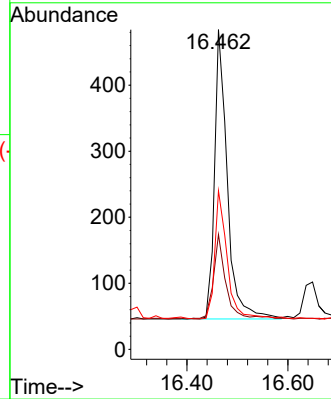
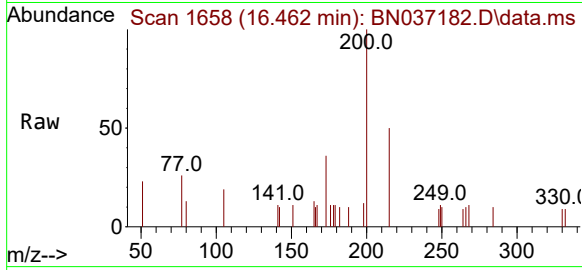
Tgt Ion:	200	Resp:	769
Ion Ratio	Lower	Upper	
200	100		
173	36.0	28.1	42.1
215	49.6	39.3	58.9

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#24

Pentachlorophenol

Concen: 0.537 ng

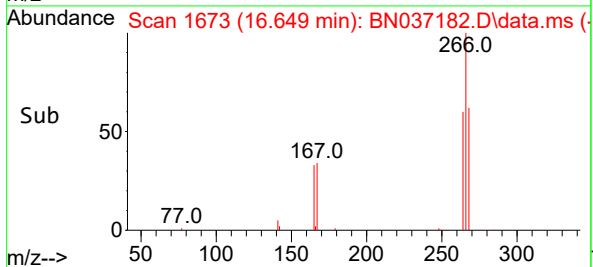
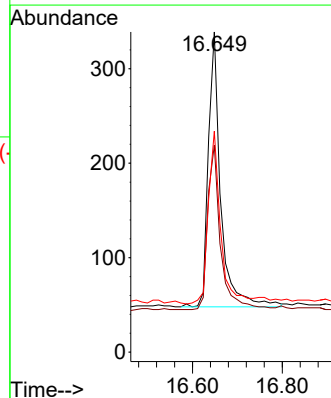
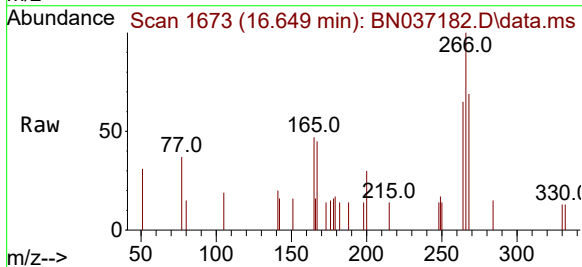
RT: 16.649 min Scan# 1673

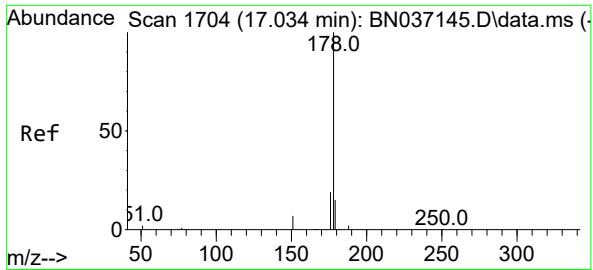
Delta R.T. -0.012 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

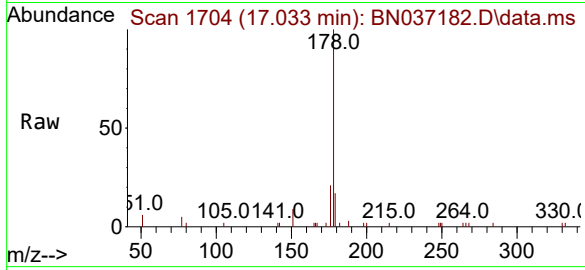
Tgt Ion:	266	Resp:	556
Ion Ratio	Lower	Upper	
266	100		
264	62.1	49.3	73.9
268	62.8	49.0	73.4





#25
Phenanthrene
Concen: 0.355 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

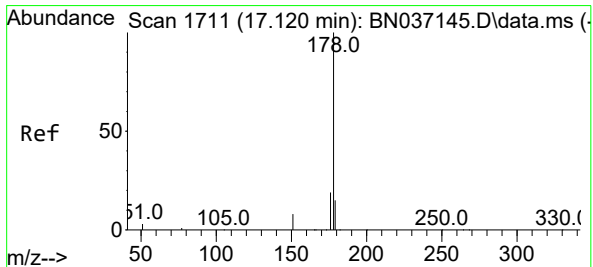
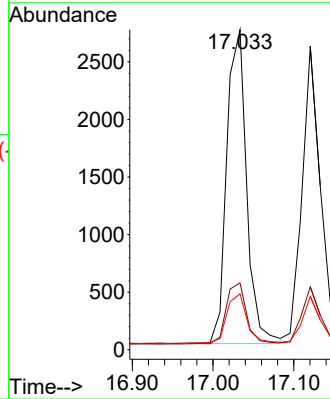
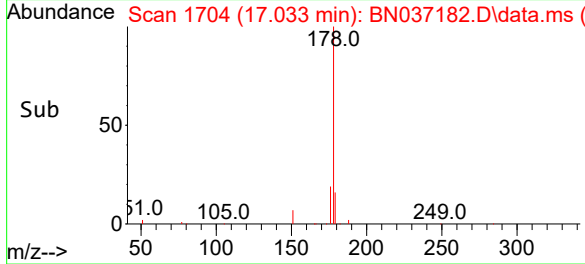
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:178 Resp: 468
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 16.2 12.3 18.5

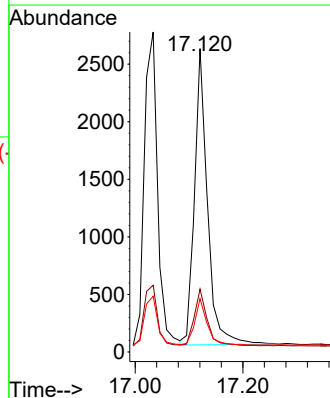
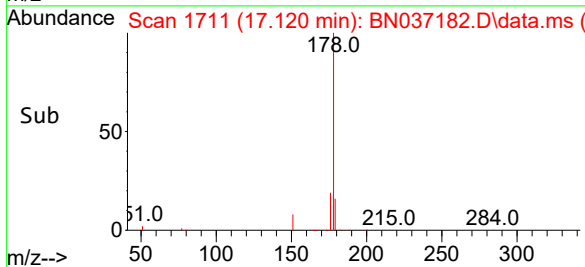
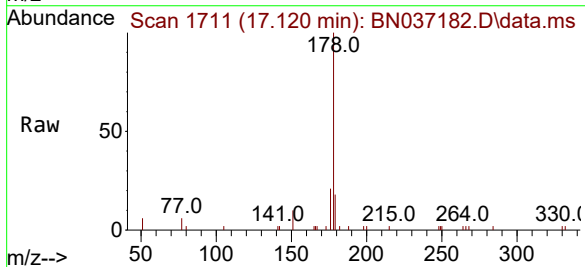
Manual Integrations
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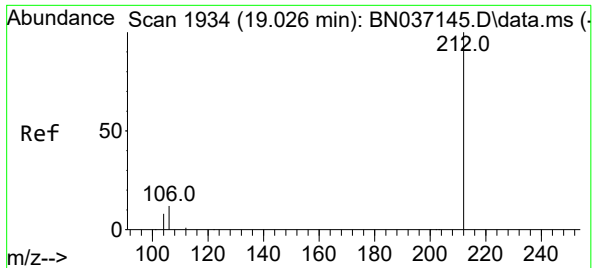
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#26
Anthracene
Concen: 0.359 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Tgt Ion:178 Resp: 4323
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.2 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.304 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS

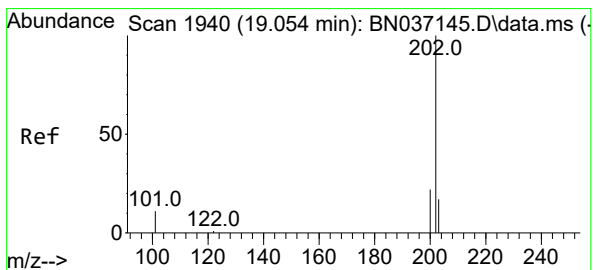
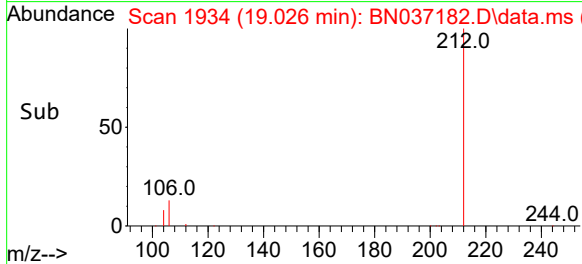
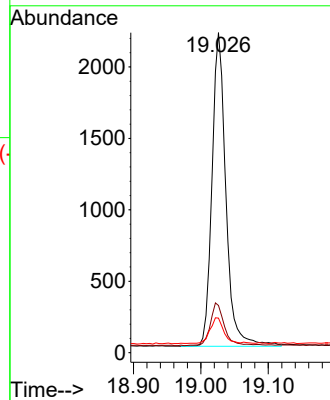
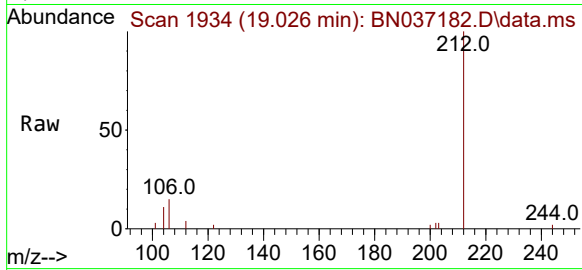
Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.7	10.6	15.8
104	8.1	6.6	9.8

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#28

Fluoranthene

Concen: 0.296 ng

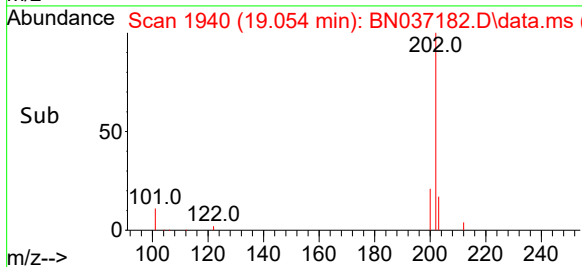
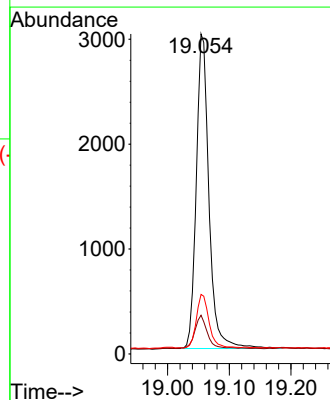
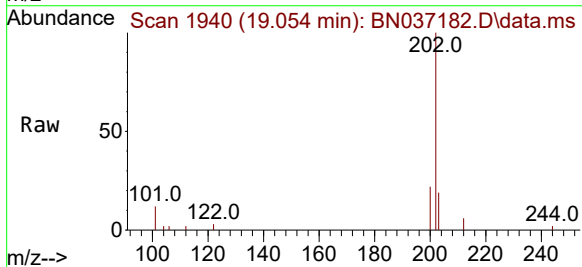
RT: 19.054 min Scan# 1940

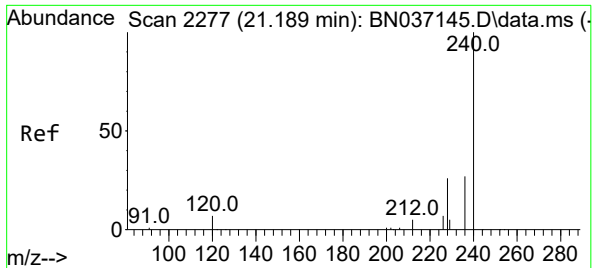
Delta R.T. -0.000 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.7	13.1
203	17.1	13.5	20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037182.D

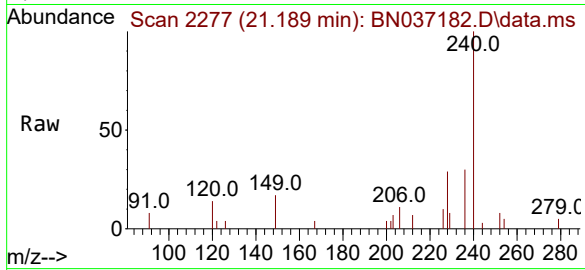
Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS



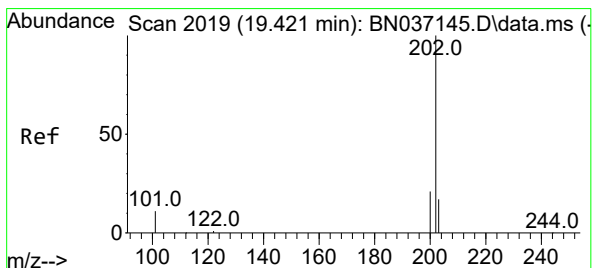
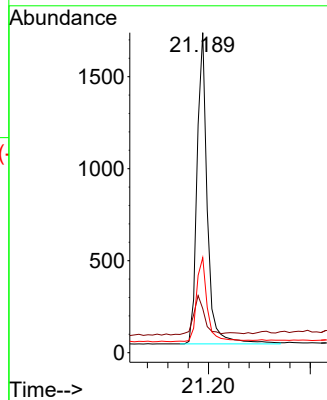
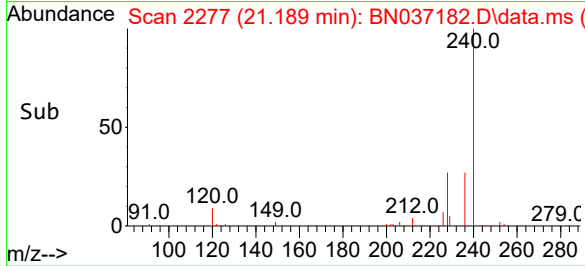
Tgt Ion:	240	Resp:	236
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.0	13.4
236	29.7	23.0	34.4

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#30

Pyrene

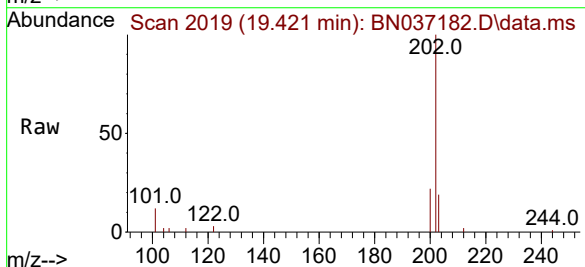
Concen: 0.375 ng

RT: 19.421 min Scan# 2019

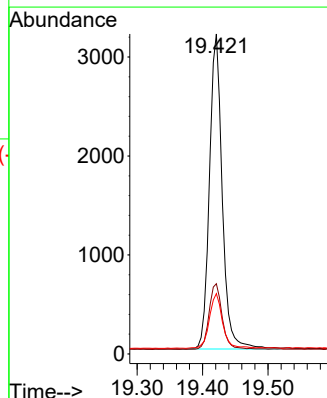
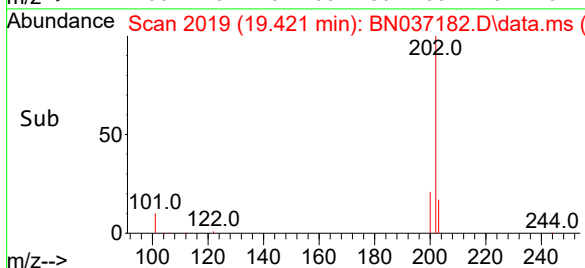
Delta R.T. -0.000 min

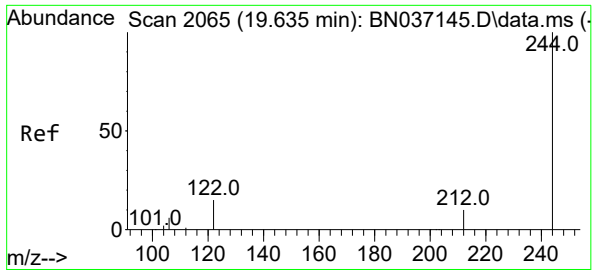
Lab File: BN037182.D

Acq: 05 Jun 2025 16:21



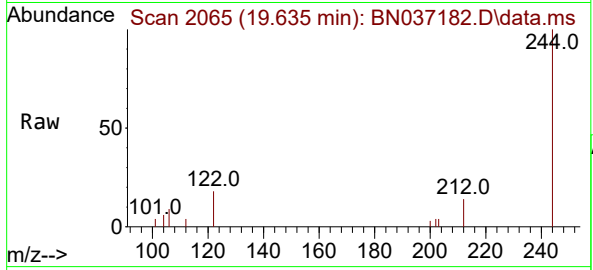
Tgt Ion:	202	Resp:	4321
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.0	25.6
203	18.0	14.2	21.4





#31
Terphenyl-d14
Concen: 0.365 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

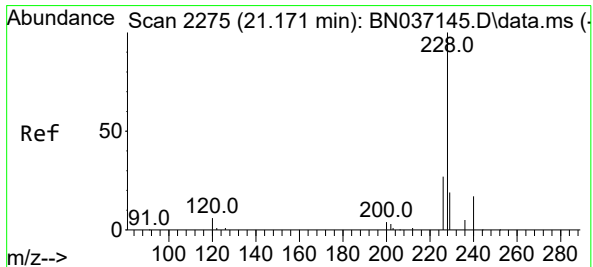
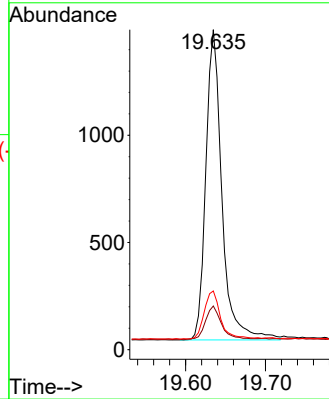
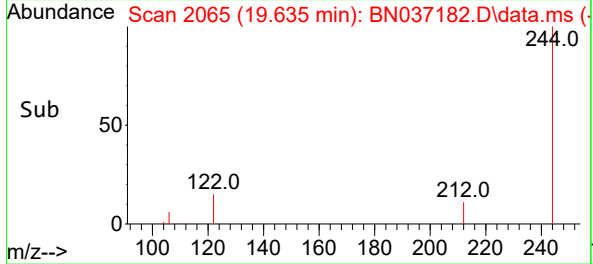
Instrument :
BNA_N
ClientSampleId :
PB168286BS



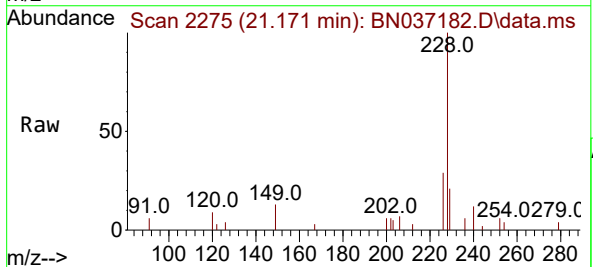
Tgt Ion:244 Resp: 203
Ion Ratio Lower Upper
244 100
212 13.7 10.0 15.0
122 18.4 13.2 19.8

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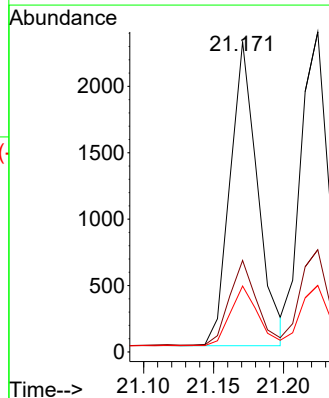
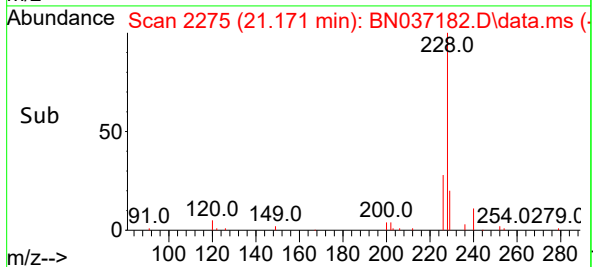
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

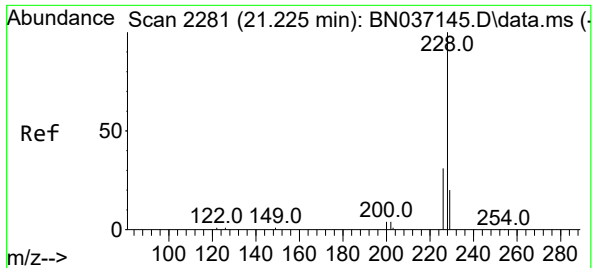


#32
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21



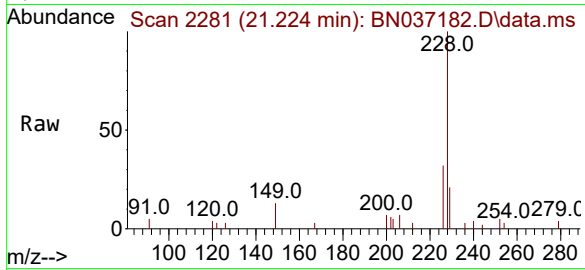
Tgt Ion:228 Resp: 3133
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 21.3 16.2 24.2





#33
Chrysene
Concen: 0.373 ng
RT: 21.224 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

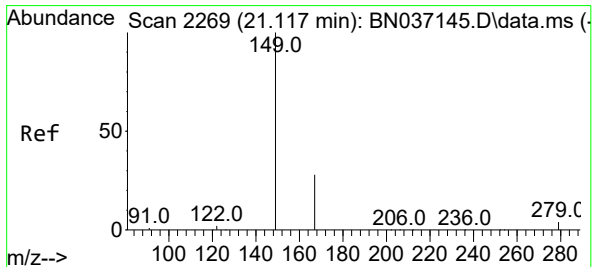
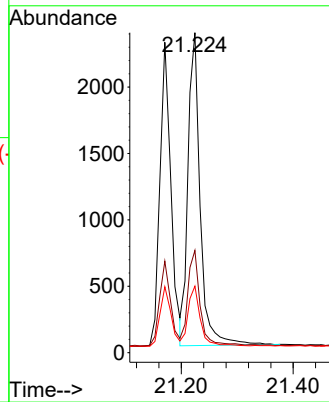
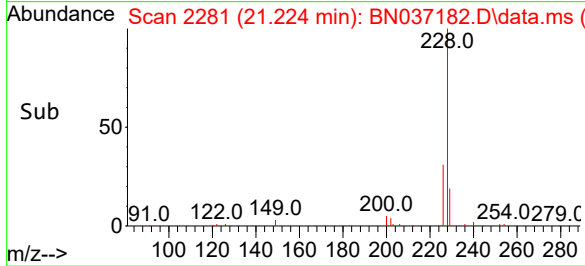
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:228 Resp: 355
Ion Ratio Lower Upper
228 100
226 32.0 25.2 37.8
229 20.8 16.8 25.2

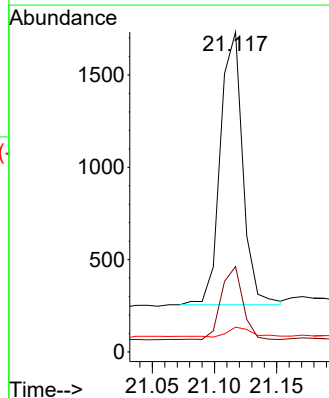
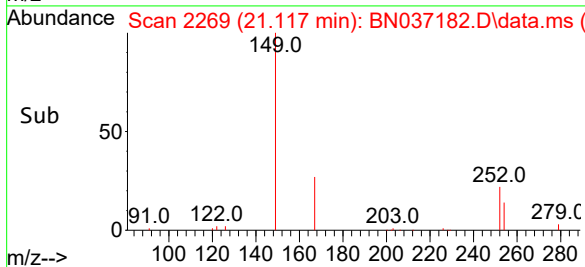
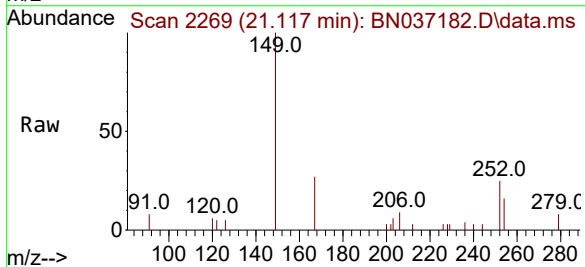
Manual Integrations
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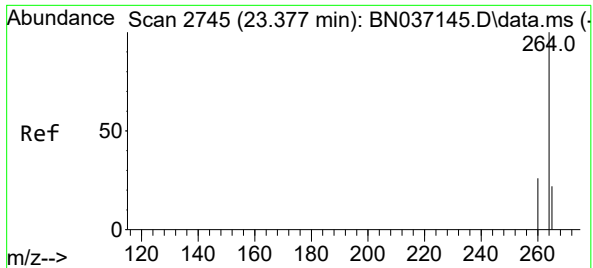
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.343 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

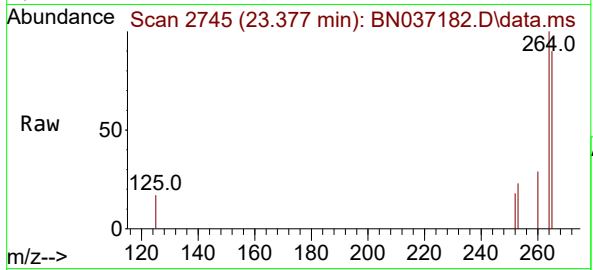
Tgt Ion:149 Resp: 1853
Ion Ratio Lower Upper
149 100
167 25.5 21.0 31.4
279 3.1 2.9 4.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

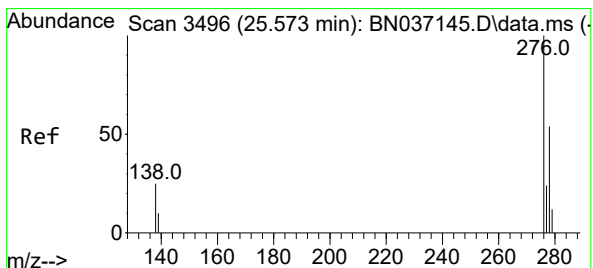
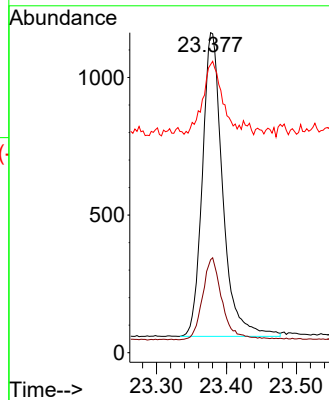
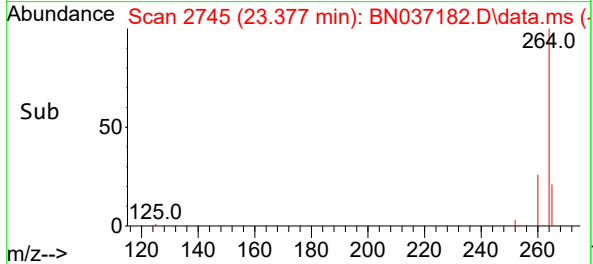
Instrument :
BNA_N
ClientSampleId :
PB168286BS



Tgt Ion:264 Resp: 2229
Ion Ratio Lower Upper
264 100
260 29.1 22.1 33.1
265 90.0 55.8 83.8

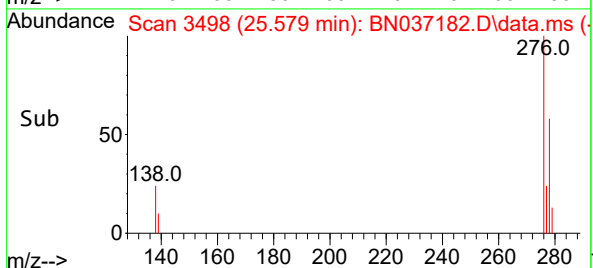
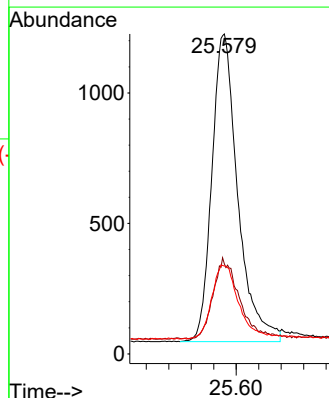
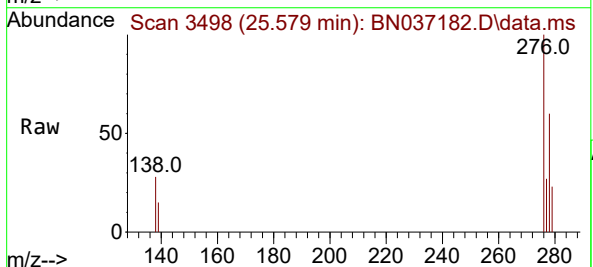
Manual Integrations
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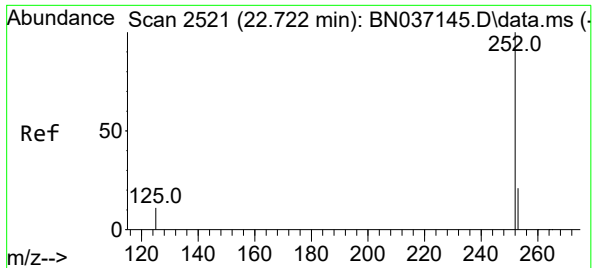
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 25.579 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BN037182.D
Acq: 05 Jun 2025 16:21

Tgt Ion:276 Resp: 3777
Ion Ratio Lower Upper
276 100
138 26.4 21.0 31.6
277 25.0 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.352 ng

RT: 22.725 min Scan# 2521

Delta R.T. 0.003 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS

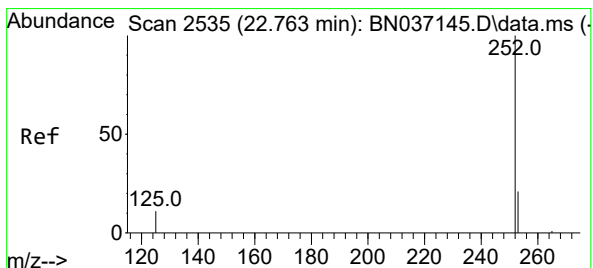
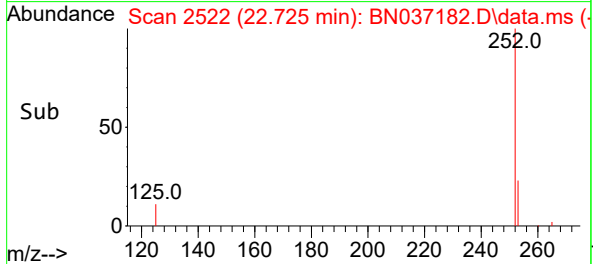
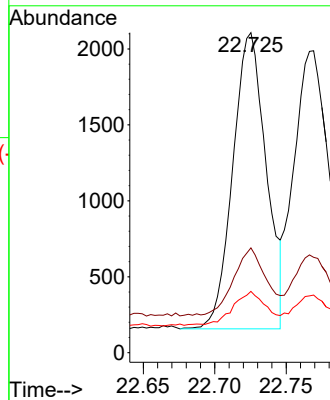
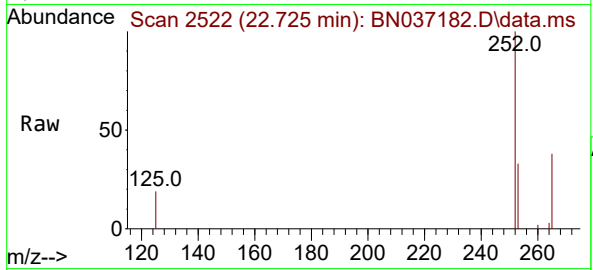
Tgt Ion:	252	Resp:	317
Ion	Ratio	Lower	Upper
252	100		
253	32.7	22.3	33.5
125	19.2	13.2	19.8

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#38

Benzo(k)fluoranthene

Concen: 0.371 ng

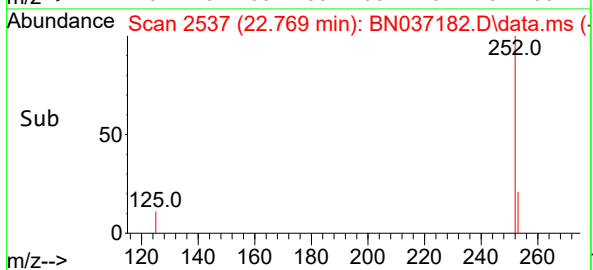
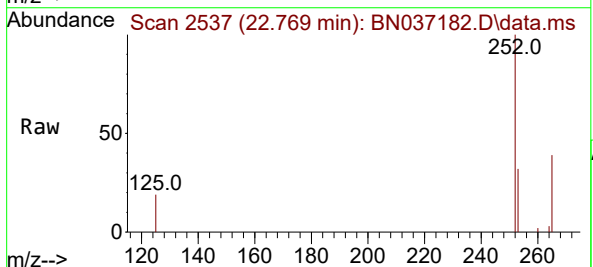
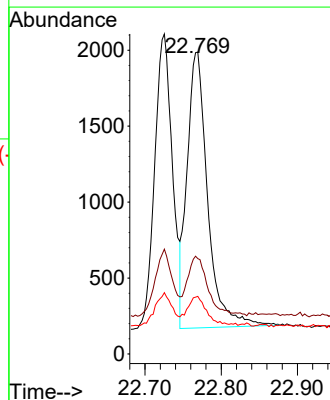
RT: 22.769 min Scan# 2537

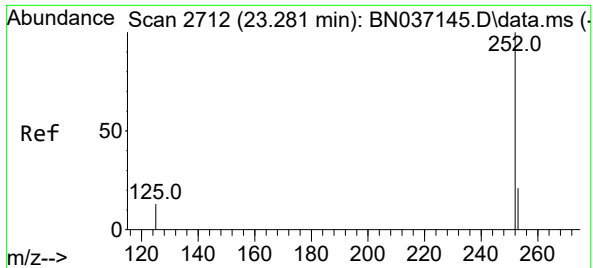
Delta R.T. 0.006 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Tgt Ion:	252	Resp:	3407
Ion	Ratio	Lower	Upper
252	100		
253	31.6	22.2	33.4
125	19.1	13.2	19.8





#39

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS

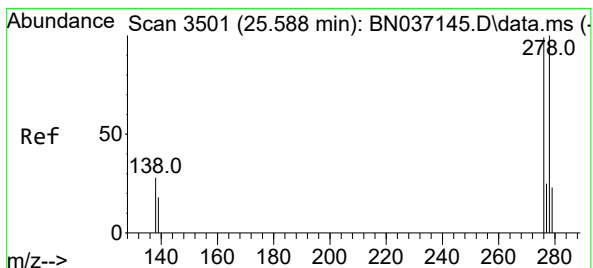
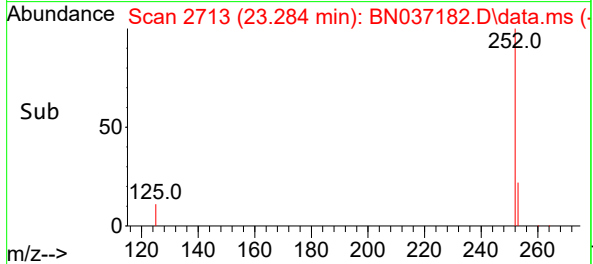
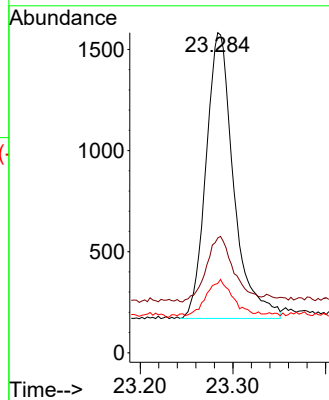
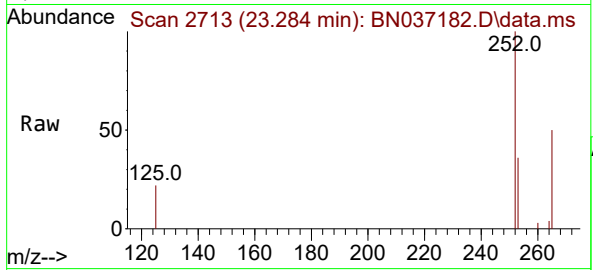
Tgt Ion:	252	Resp:	2920
Ion Ratio	Lower	Upper	
252	100		
253	35.9	25.0	37.4
125	21.7	17.0	25.6

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.429 ng

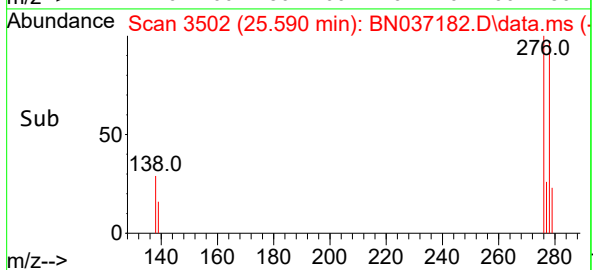
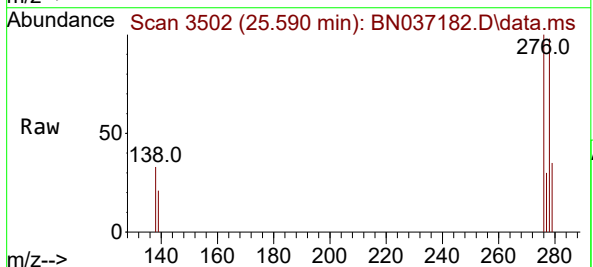
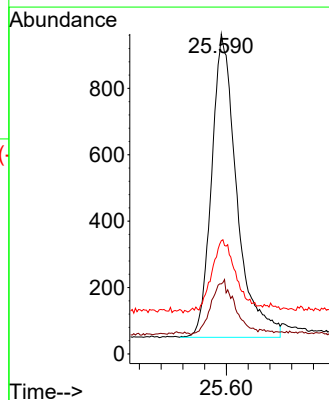
RT: 25.590 min Scan# 3502

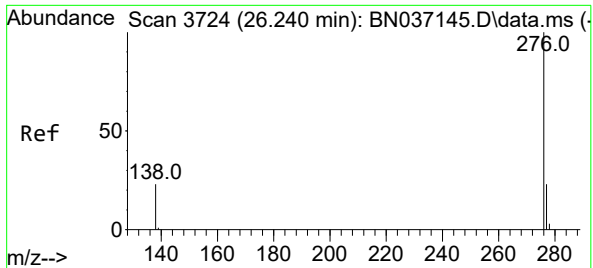
Delta R.T. 0.003 min

Lab File: BN037182.D

Acq: 05 Jun 2025 16:21

Tgt Ion:	278	Resp:	2933
Ion Ratio	Lower	Upper	
278	100		
139	21.9	17.6	26.4
279	35.4	26.0	39.0





#41

Benzo(g,h,i)perylene

Concen: 0.419 ng

RT: 26.248 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN037182.D

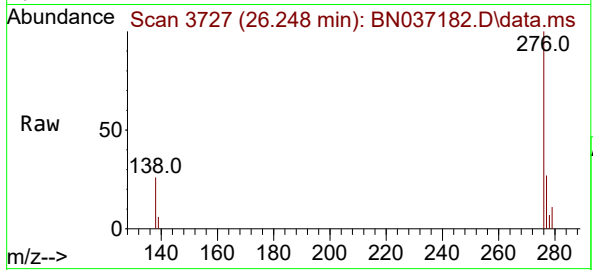
Acq: 05 Jun 2025 16:21

Instrument :

BNA_N

ClientSampleId :

PB168286BS



Tgt Ion:276 Resp: 3292

Ion Ratio Lower Upper

276 100

277 27.1 20.9 31.3

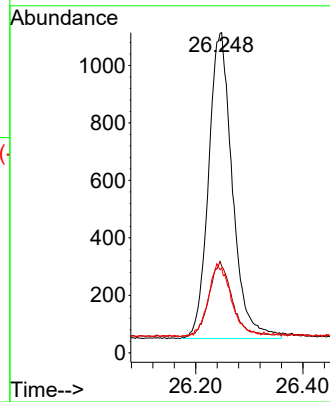
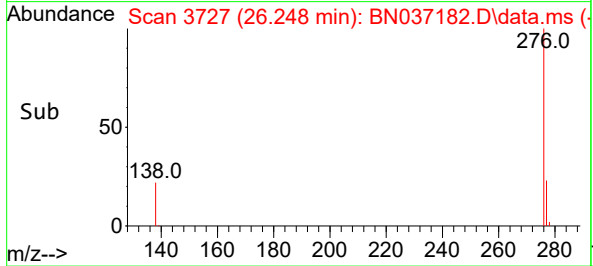
138 26.5 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168286BSD	SDG No.:	Q2200
Lab Sample ID:	PB168286BSD	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
BN037186.D	1	06/04/25 11:46	06/05/25 18:46	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.40		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.41		30 (20) - 150 (139)	101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 (54) - 150 (157)	79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		30 (54) - 130 (175)	94%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1760	7.589			
1146-65-2	Naphthalene-d8	4280	10.372			
15067-26-2	Acenaphthene-d10	2050	14.235			
1517-22-2	Phenanthrene-d10	3400	16.984			
1719-03-5	Chrysene-d12	1980	21.18			
1520-96-3	Perylene-d12	1940	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037186.D
 Acq On : 05 Jun 2025 18:46
 Operator : RC/JU
 Sample : PB168286BSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168286BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 06 02:56:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1756	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4279	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2046	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	3397	0.400	ng	0.00
29) Chrysene-d12	21.180	240	1984	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	1936	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1553	0.358	ng	0.00
5) Phenol-d6	6.773	99	1809	0.344	ng	0.00
8) Nitrobenzene-d5	8.739	82	1607	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	2420m	0.406	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	258	0.313	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3337	0.383	ng	0.00
27) Fluoranthene-d10	19.026	212	2720	0.315	ng	0.00
31) Terphenyl-d14	19.635	244	1751	0.375	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	929	0.397	ng	# 27
3) n-Nitrosodimethylamine	3.429	42	1855	0.395	ng	# 88
6) bis(2-Chloroethyl)ether	7.026	93	1686	0.336	ng	98
9) Naphthalene	10.415	128	4291	0.348	ng	99
10) Hexachlorobutadiene	10.714	225	1009	0.375	ng	# 99
12) 2-Methylnaphthalene	12.042	142	2412	0.305	ng	99
16) Acenaphthylene	13.957	152	3960	0.395	ng	99
17) Acenaphthene	14.299	154	2357	0.362	ng	99
18) Fluorene	15.293	166	2967	0.347	ng	99
20) 4,6-Dinitro-2-methylph...	15.389	198	285	0.561	ng	# 63
21) 4-Bromophenyl-phenylether	16.189	248	859	0.386	ng	98
22) Hexachlorobenzene	16.301	284	936	0.390	ng	99
23) Atrazine	16.463	200	696	0.379	ng	99
24) Pentachlorophenol	16.649	266	468	0.540	ng	97
25) Phenanthrene	17.034	178	4052	0.368	ng	100
26) Anthracene	17.120	178	3680	0.366	ng	99
28) Fluoranthene	19.054	202	3726	0.306	ng	99
30) Pyrene	19.416	202	3699	0.382	ng	99
32) Benzo(a)anthracene	21.171	228	2740	0.382	ng	98
33) Chrysene	21.216	228	3010	0.376	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	1639	0.362	ng	100
36) Indeno(1,2,3-cd)pyrene	25.570	276	3418	0.444	ng	97
37) Benzo(b)fluoranthene	22.722	252	2739	0.350	ng	93
38) Benzo(k)fluoranthene	22.766	252	2964	0.371	ng	93
39) Benzo(a)pyrene	23.284	252	2606	0.398	ng	94
40) Dibenzo(a,h)anthracene	25.591	278	2579	0.434	ng	94
41) Benzo(g,h,i)perylene	26.243	276	2922	0.428	ng	97

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

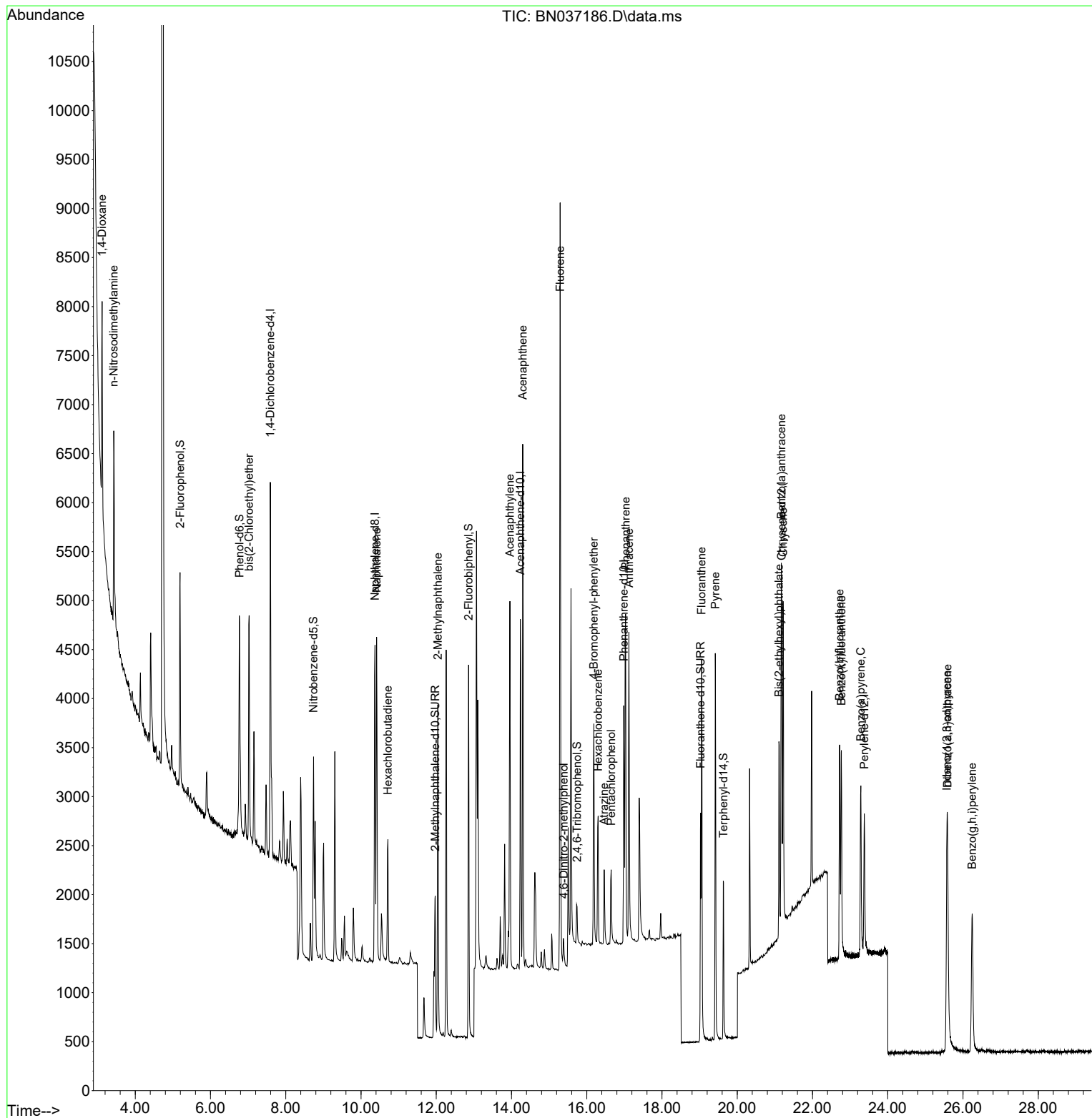
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037186.D
 Acq On : 05 Jun 2025 18:46
 Operator : RC/JU
 Sample : PB168286BSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

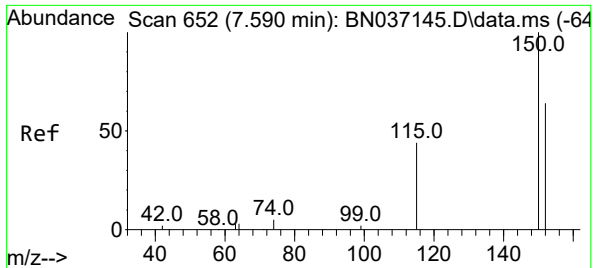
Instrument :
 BNA_N
 ClientSampleId :
 PB168286BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

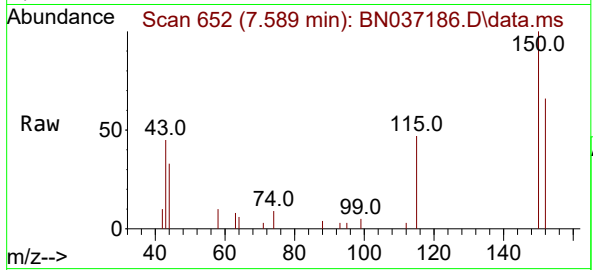
Quant Time: Jun 06 02:56:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

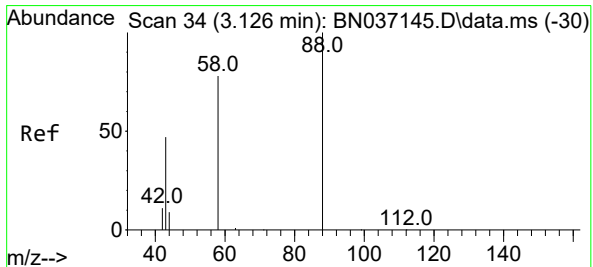
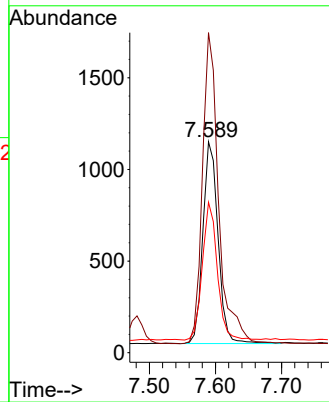
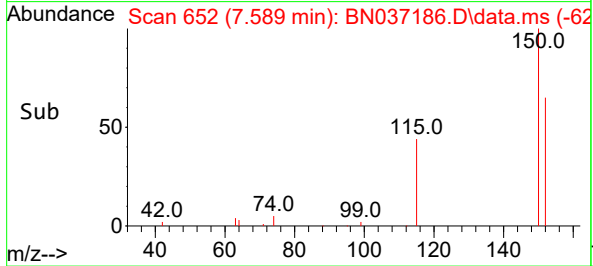
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:152 Resp: 1750
Ion Ratio Lower Upper
152 100
150 151.7 123.2 184.8
115 71.3 56.6 85.0

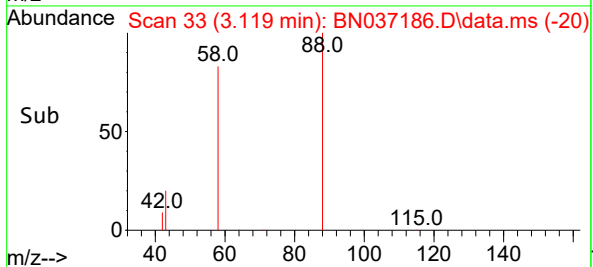
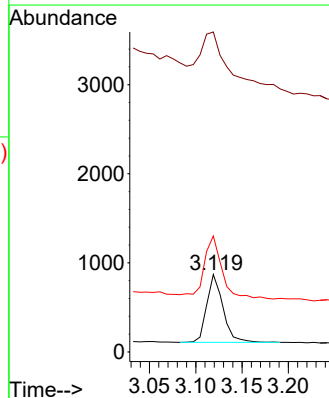
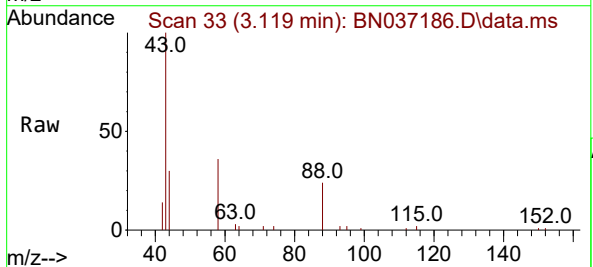
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

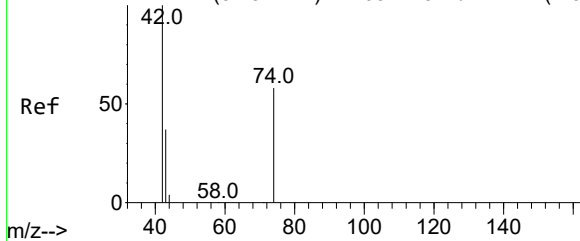


#2
1,4-Dioxane
Concen: 0.397 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion: 88 Resp: 929
Ion Ratio Lower Upper
88 100
43 165.6 43.5 65.3#
58 103.6 67.7 101.5#



Abundance Scan 77 (3.437 min): BN037145.D\data.ms (-73)



#3

n-Nitrosodimethylamine

Concen: 0.395 ng

RT: 3.429 min Scan# 70

Delta R.T. -0.007 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

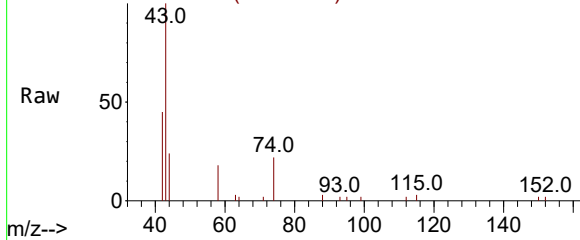
Instrument :

BNA_N

ClientSampleId :

PB168286BSD

Abundance Scan 76 (3.429 min): BN037186.D\data.ms



Tgt Ion: 42 Resp: 185

Ion Ratio Lower Upper

42 100

74 56.2 53.0 79.4

44 9.9 5.9 8.9

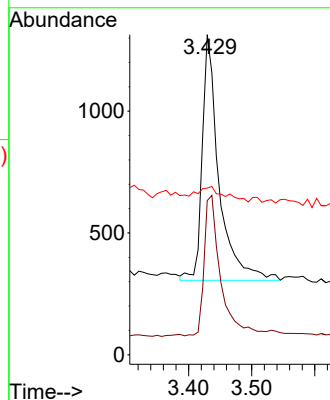
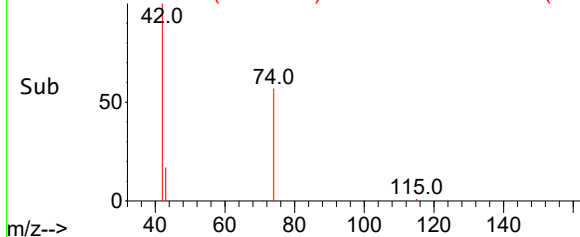
Manual Integrations

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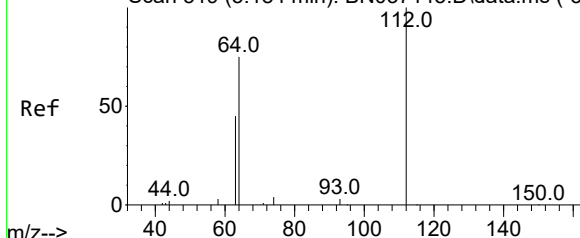
Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Abundance Scan 76 (3.429 min): BN037186.D\data.ms (-56)



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



#4

2-Fluorophenol

Concen: 0.358 ng

RT: 5.192 min Scan# 320

Delta R.T. 0.007 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Tgt Ion:112 Resp: 1553

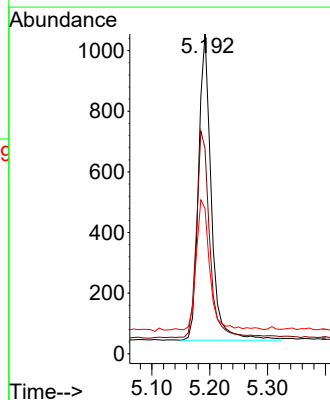
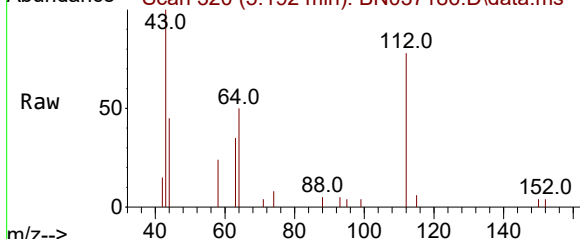
Ion Ratio Lower Upper

112 100

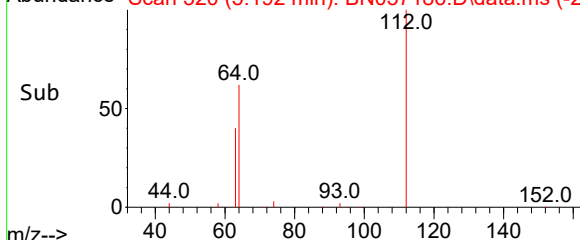
64 70.3 56.3 84.5

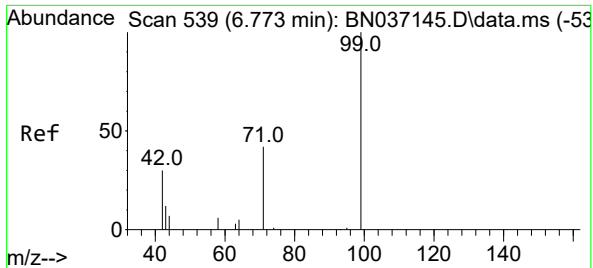
63 45.1 36.2 54.4

Abundance Scan 320 (5.192 min): BN037186.D\data.ms



Abundance Scan 320 (5.192 min): BN037186.D\data.ms (-29)





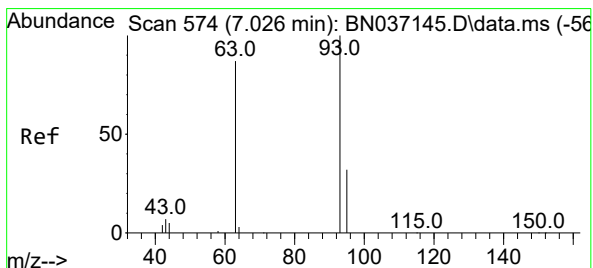
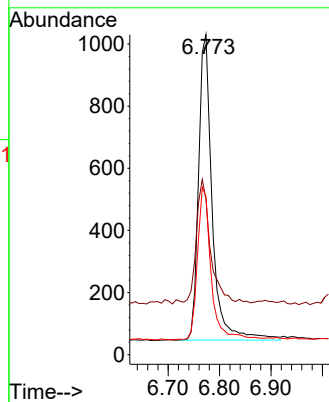
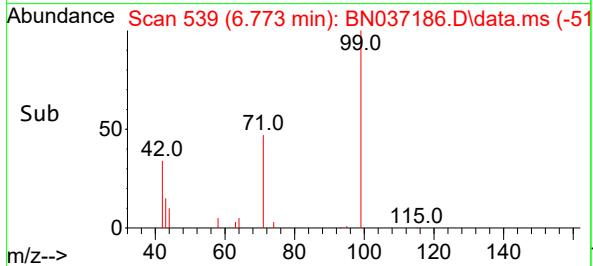
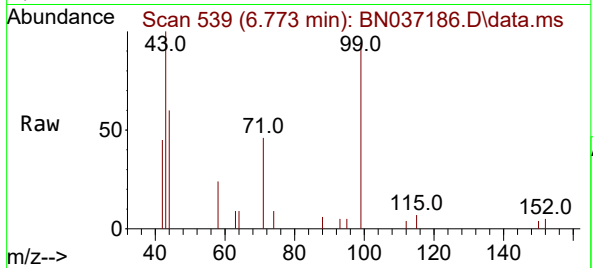
#5
Phenol-d6
Concen: 0.344 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Tgt Ion: 99 Resp: 1809
Ion Ratio Lower Upper
99 100
42 42.8 31.3 46.9
71 50.0 38.2 57.2

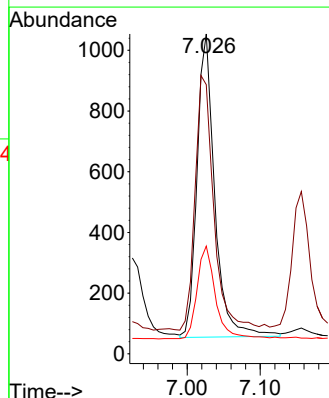
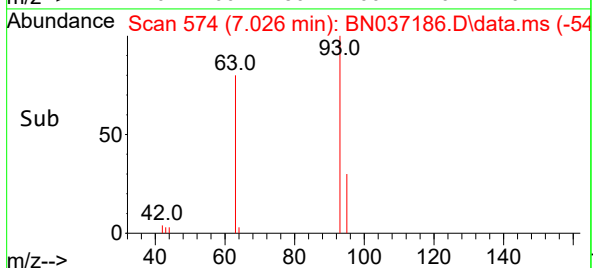
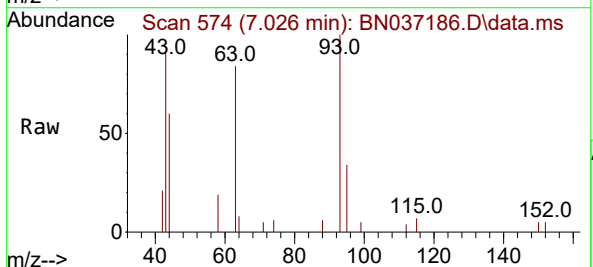
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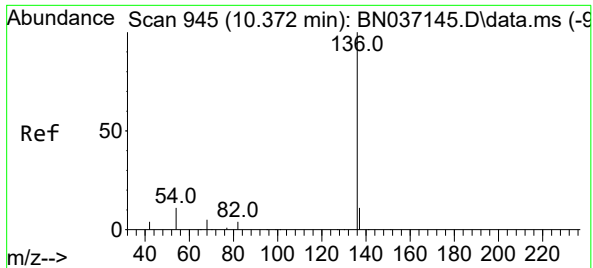
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.026 min Scan# 574
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

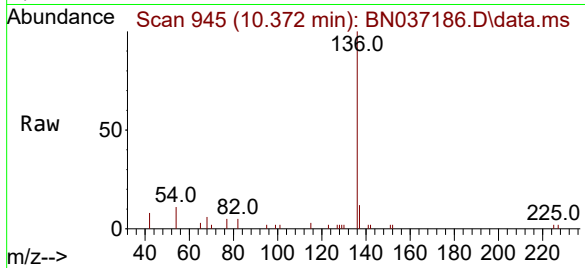
Tgt Ion: 93 Resp: 1686
Ion Ratio Lower Upper
93 100
63 87.5 68.6 103.0
95 32.3 24.3 36.5





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

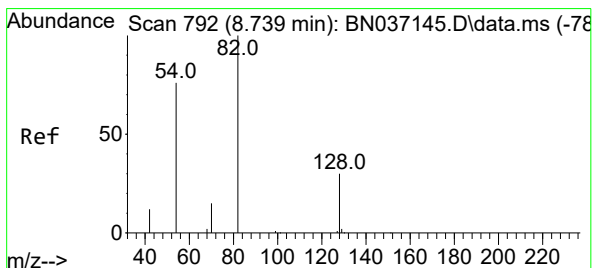
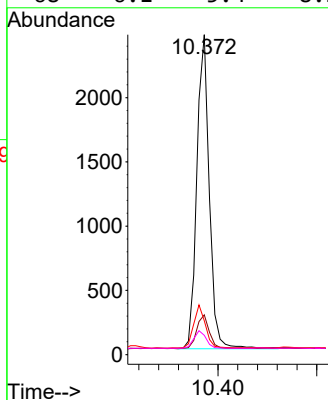
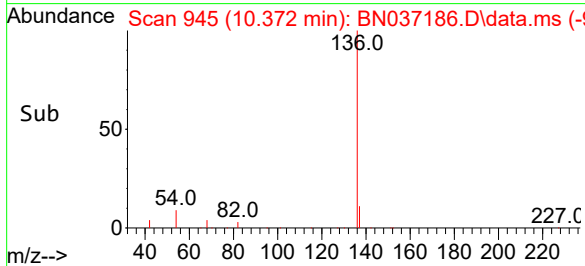
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:136 Resp: 4279
Ion Ratio Lower Upper
136 100
137 12.4 9.7 14.5
54 10.6 9.7 14.5
68 6.1 5.4 8.2

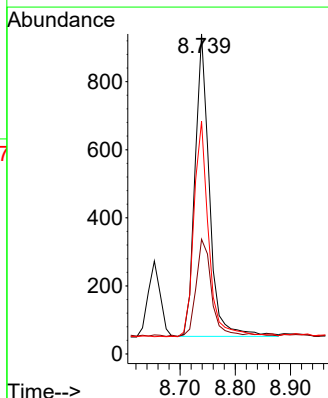
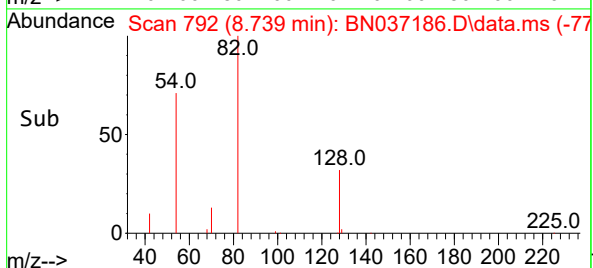
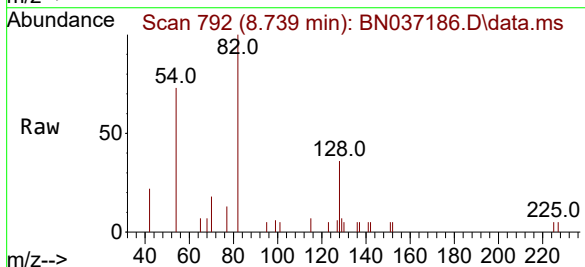
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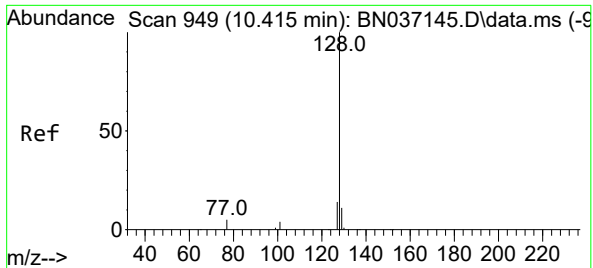
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

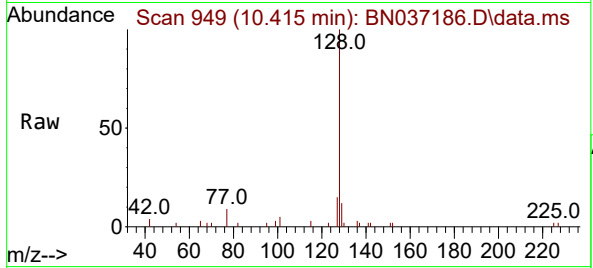
Tgt Ion: 82 Resp: 1607
Ion Ratio Lower Upper
82 100
128 35.9 26.9 40.3
54 72.7 61.4 92.2





#9
Naphthalene
Concen: 0.348 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

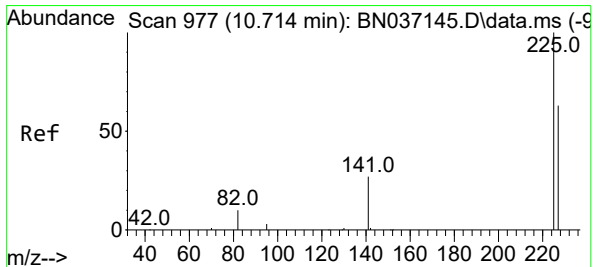
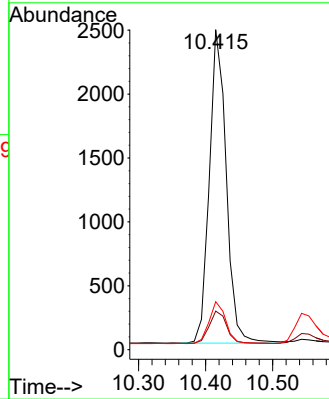
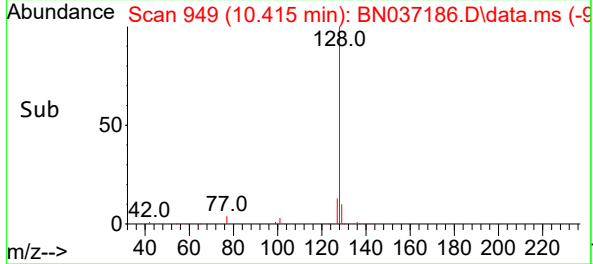
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:128 Resp: 429
Ion Ratio Lower Upper
128 100
129 12.1 9.8 14.8
127 15.0 12.3 18.5

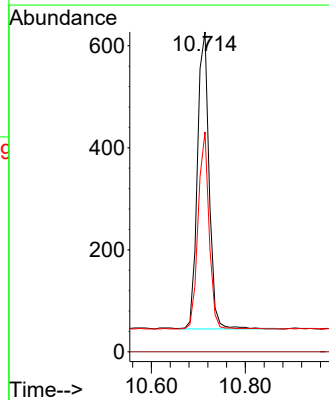
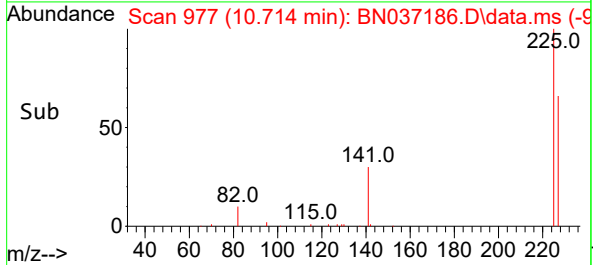
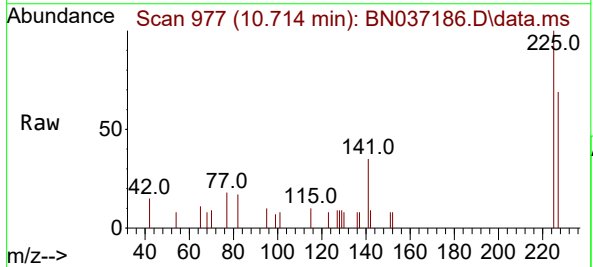
Manual Integrations
APPROVED

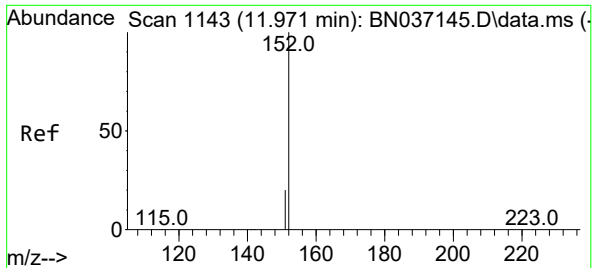
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.714 min Scan# 977
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

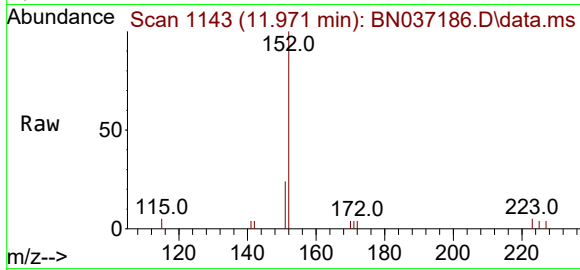
Tgt Ion:225 Resp: 1009
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 61.9 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.406 ng m
RT: 11.971 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

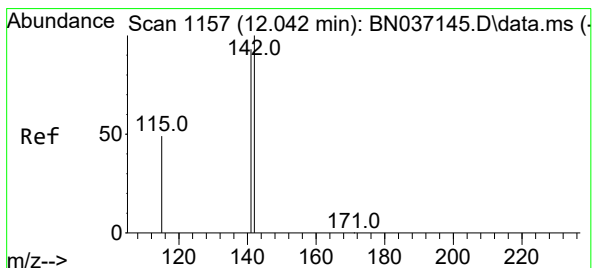
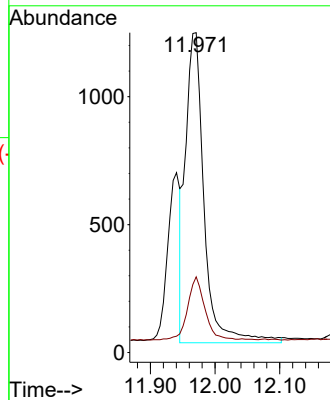
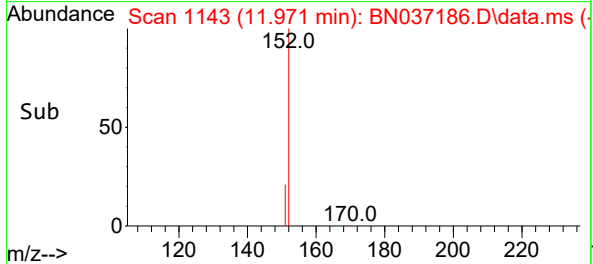
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:152 Resp: 2420
Ion Ratio Lower Upper
152 100
151 18.9 17.1 25.7

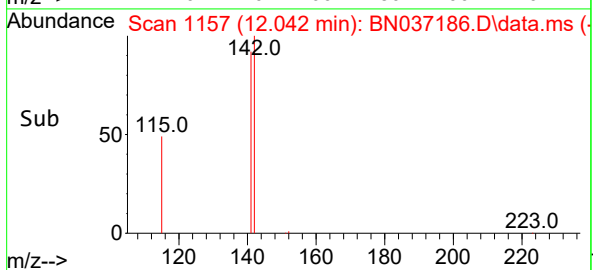
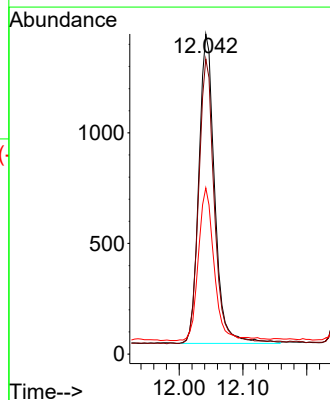
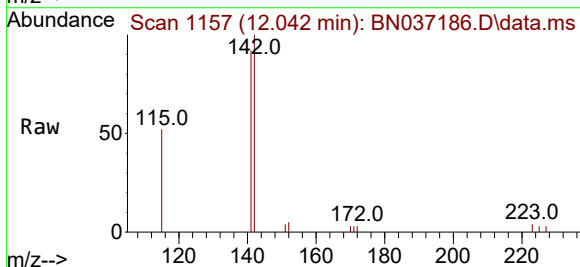
Manual Integrations
APPROVED

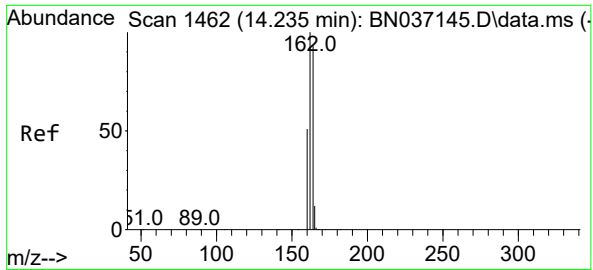
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#12
2-Methylnaphthalene
Concen: 0.305 ng
RT: 12.042 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

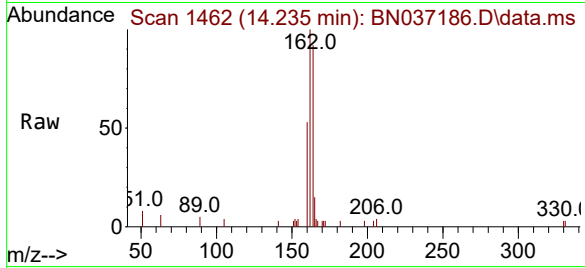
Tgt Ion:142 Resp: 2412
Ion Ratio Lower Upper
142 100
141 92.2 74.6 111.8
115 51.9 41.0 61.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

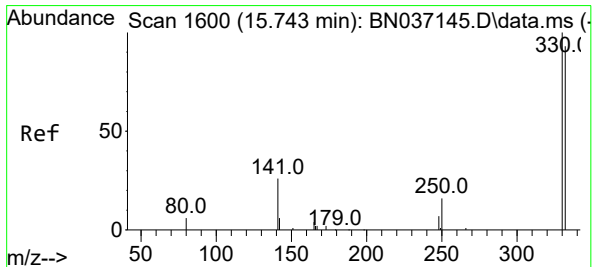
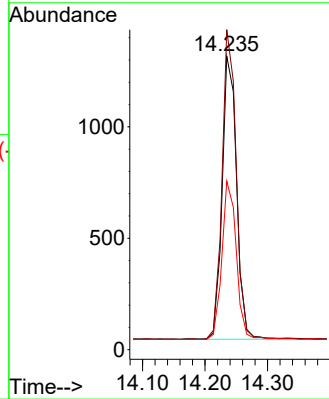
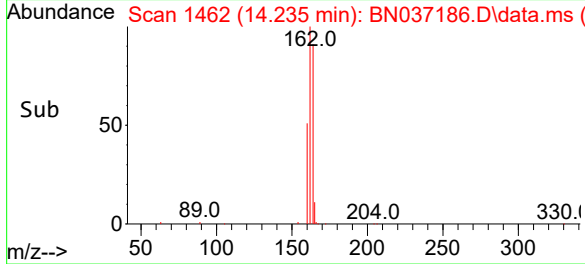
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:164 Resp: 2040
Ion Ratio Lower Upper
164 100
162 109.0 85.5 128.3
160 57.5 44.6 67.0

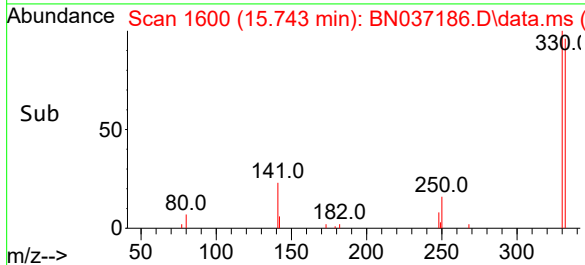
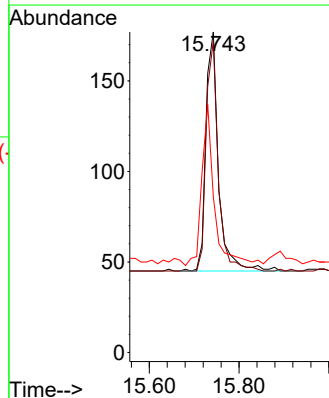
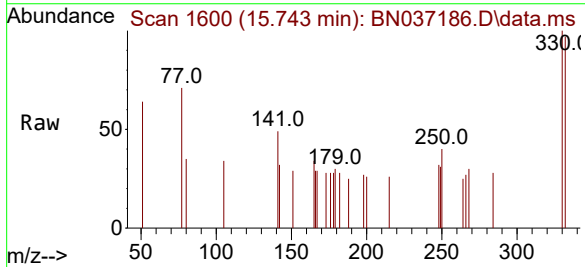
Manual Integrations
APPROVED

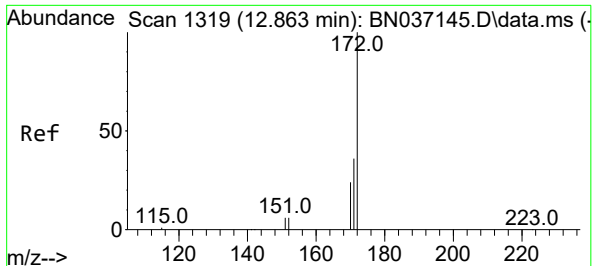
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#14
2,4,6-Tribromophenol
Concen: 0.313 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

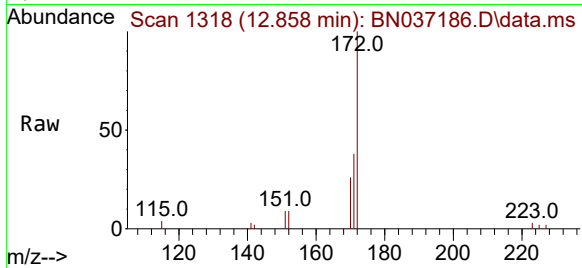
Tgt Ion:330 Resp: 258
Ion Ratio Lower Upper
330 100
332 91.9 77.1 115.7
141 65.5 46.4 69.6





#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.858 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

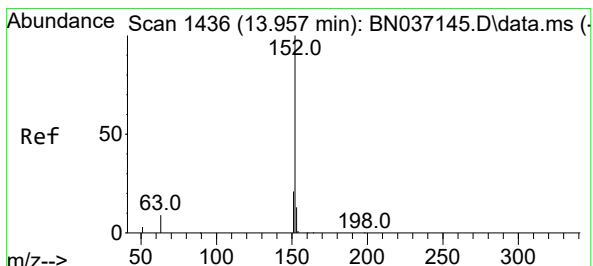
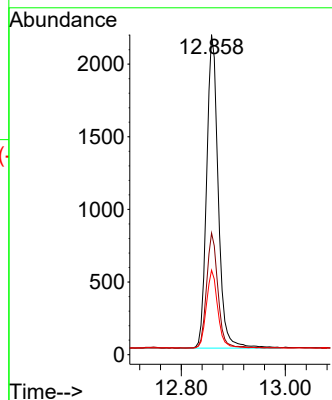
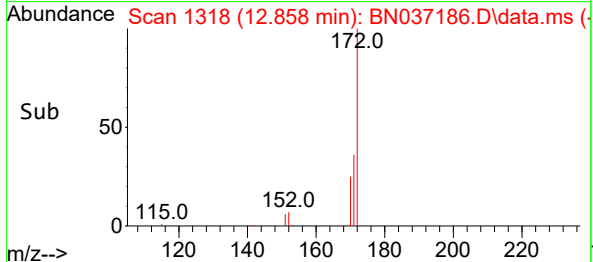
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:172 Resp: 333
Ion Ratio Lower Upper
172 100
171 38.0 29.6 44.4
170 26.4 20.3 30.5

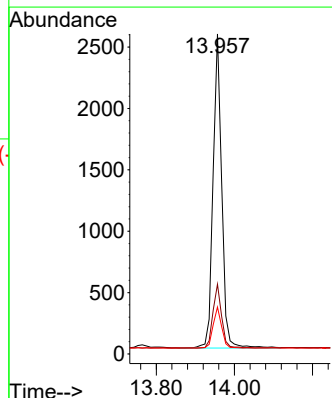
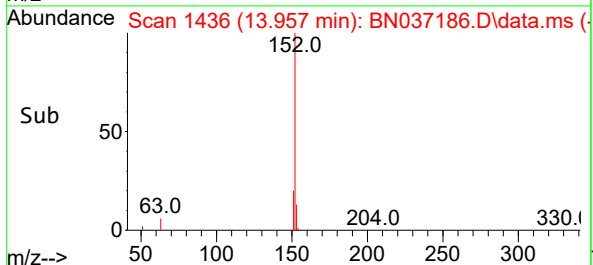
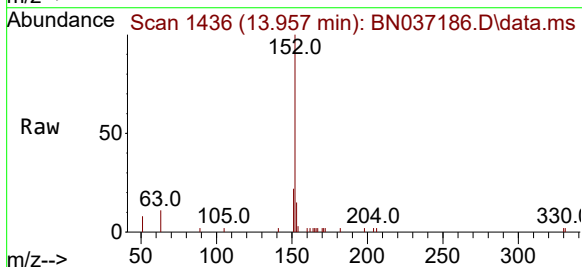
Manual Integrations
APPROVED

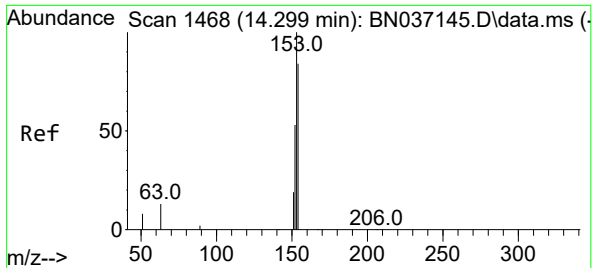
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#16
Acenaphthylene
Concen: 0.395 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

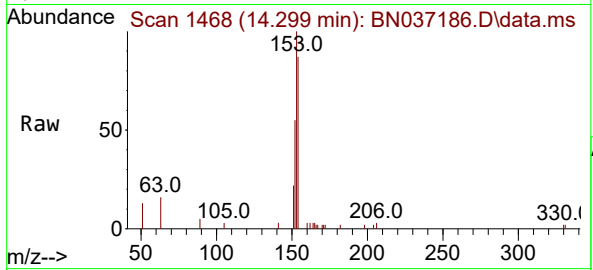
Tgt Ion:152 Resp: 3960
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 12.9 10.6 15.8





#17
Acenaphthene
Concen: 0.362 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

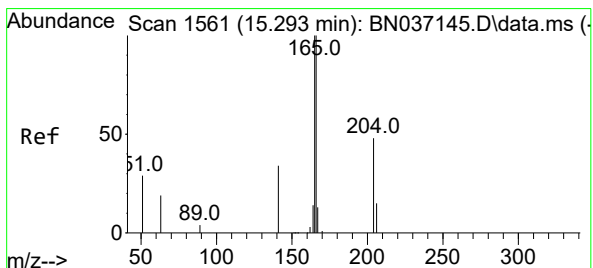
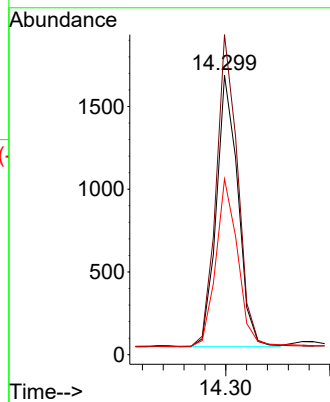
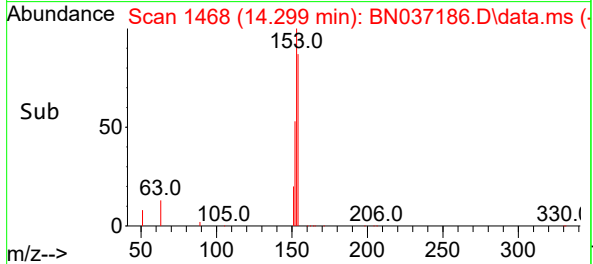
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:154 Resp: 235
Ion Ratio Lower Upper
154 100
153 115.4 93.8 140.8
152 63.1 50.5 75.7

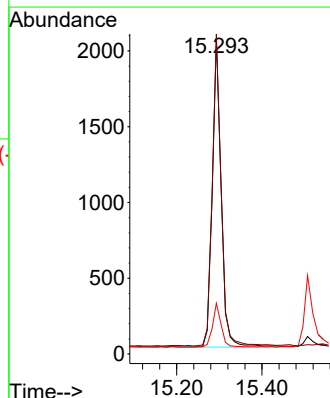
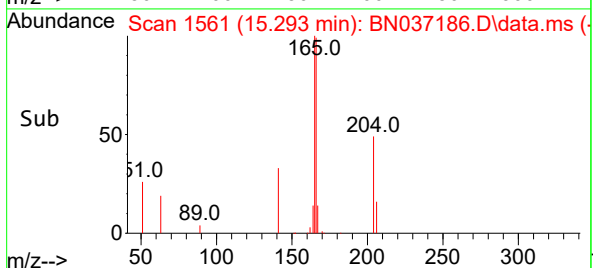
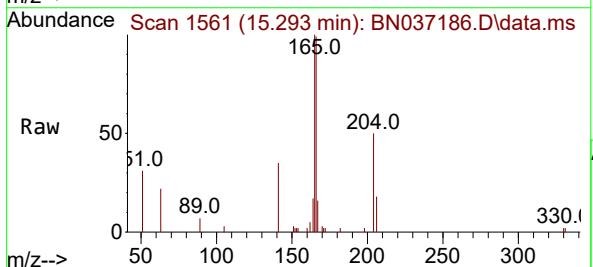
Manual Integrations
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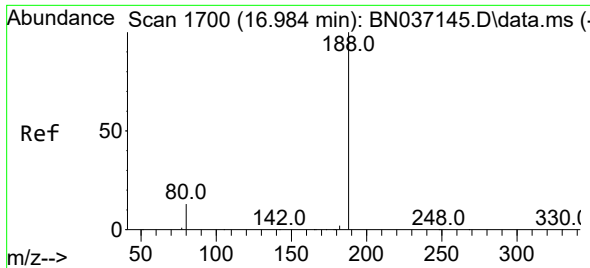
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#18
Fluorene
Concen: 0.347 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

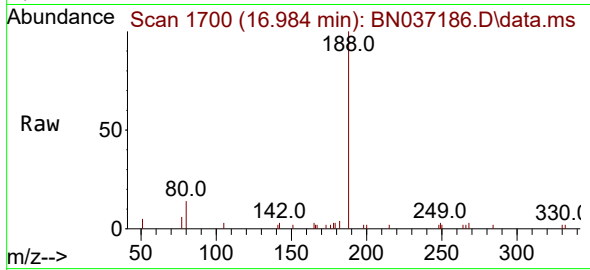
Tgt Ion:166 Resp: 2967
Ion Ratio Lower Upper
166 100
165 100.0 81.1 121.7
167 13.7 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

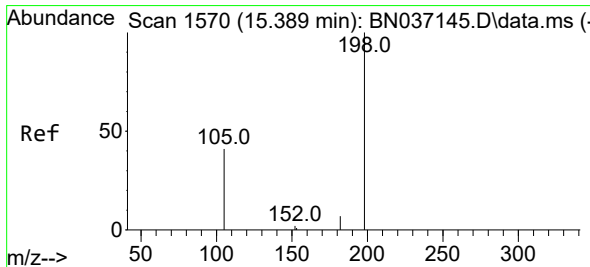
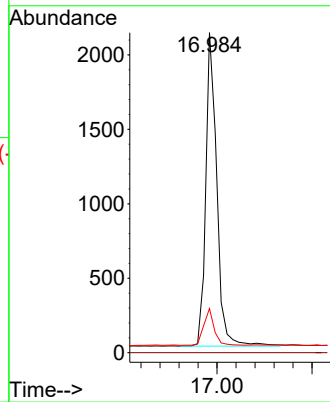
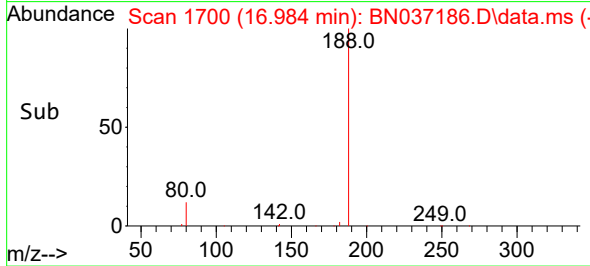
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:188 Resp: 339
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 11.3 16.9

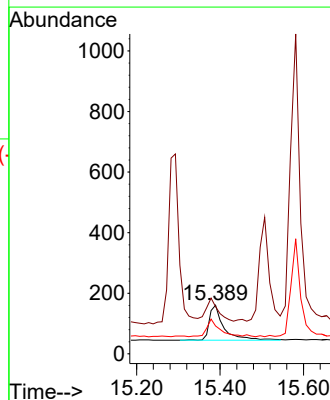
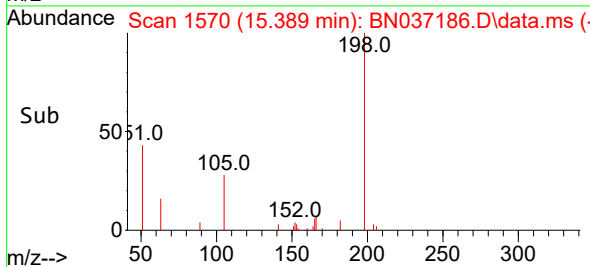
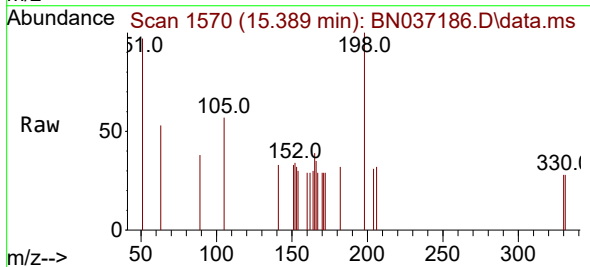
Manual Integrations
APPROVED

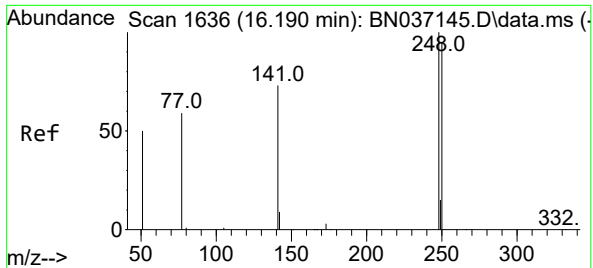
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#20
4,6-Dinitro-2-methylphenol
Concen: 0.561 ng
RT: 15.389 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

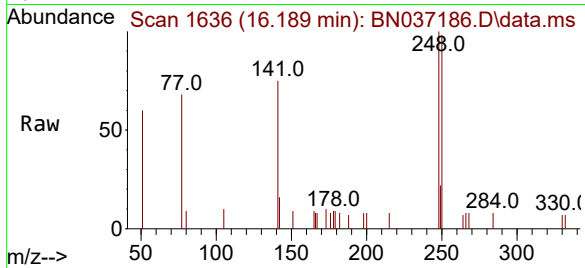
Tgt Ion:198 Resp: 285
Ion Ratio Lower Upper
198 100
51 96.9 125.2 187.8#
105 57.1 57.1 85.7





#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.189 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

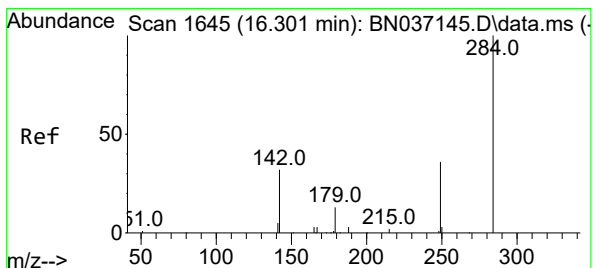
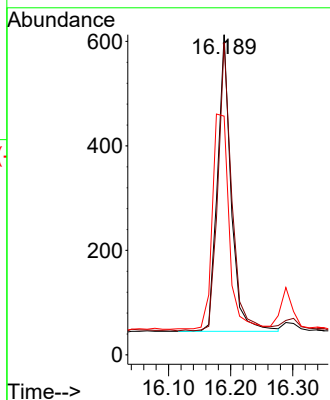
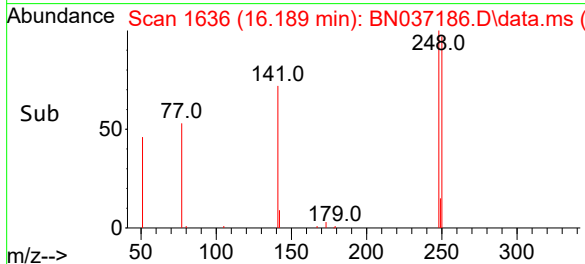
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:248 Resp: 859
Ion Ratio Lower Upper
248 100
250 97.6 76.1 114.1
141 74.6 60.1 90.1

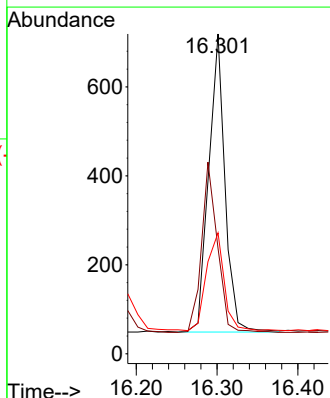
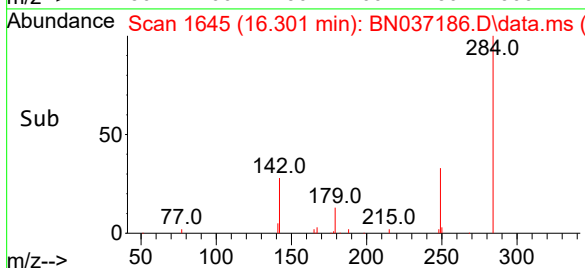
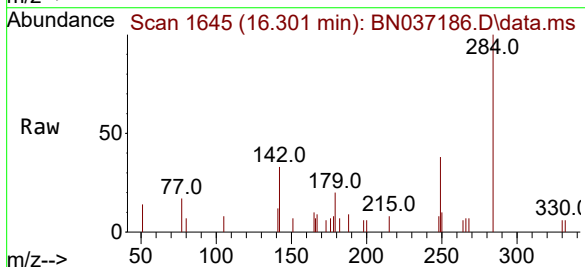
Manual Integrations
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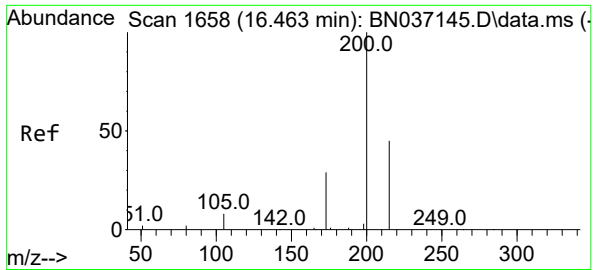
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#22
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.301 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

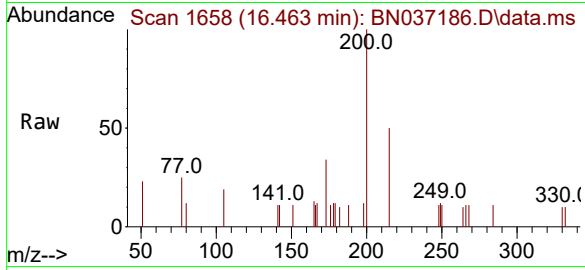
Tgt Ion:284 Resp: 936
Ion Ratio Lower Upper
284 100
142 55.9 44.0 66.0
249 36.0 29.7 44.5





#23
Atrazine
Concen: 0.379 ng
RT: 16.463 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

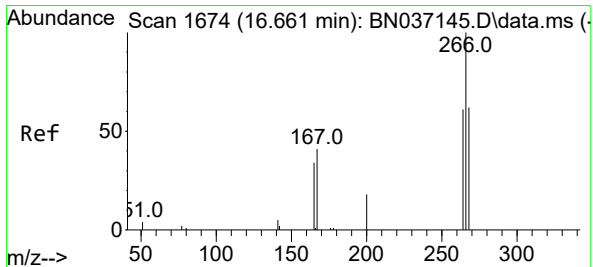
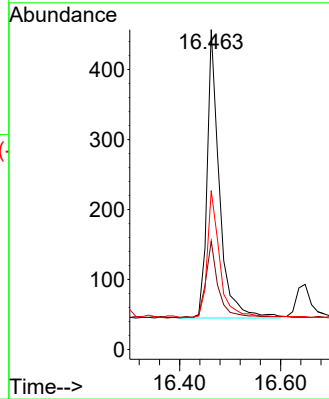
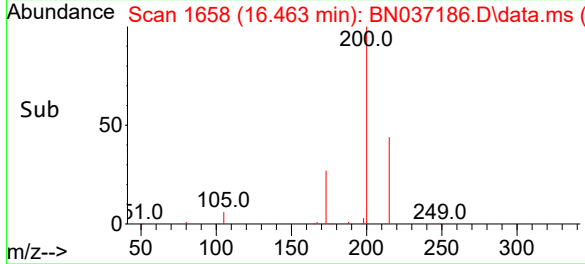
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



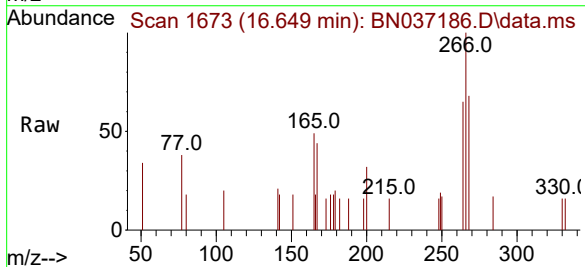
Tgt Ion:200 Resp: 690
Ion Ratio Lower Upper
200 100
173 33.9 28.1 42.1
215 49.7 39.3 58.9

Manual Integrations
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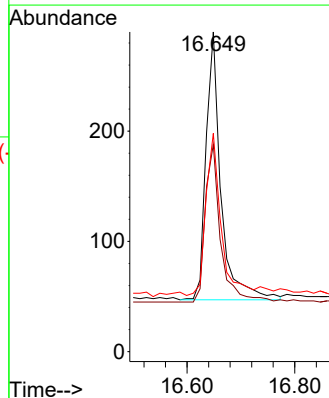
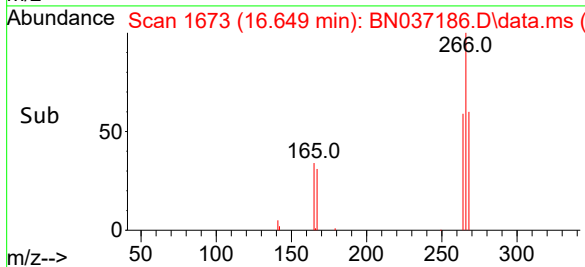
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

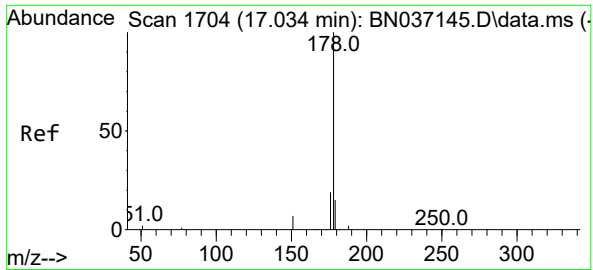


#24
Pentachlorophenol
Concen: 0.540 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46



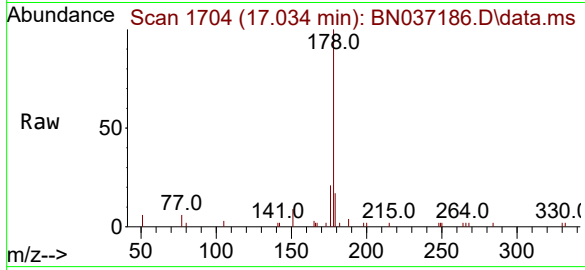
Tgt Ion:266 Resp: 468
Ion Ratio Lower Upper
266 100
264 60.7 49.3 73.9
268 64.3 49.0 73.4





#25
Phenanthrene
Concen: 0.368 ng
RT: 17.034 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

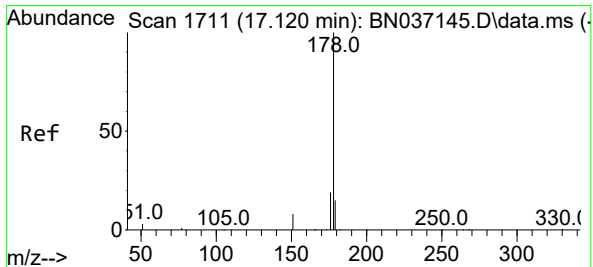
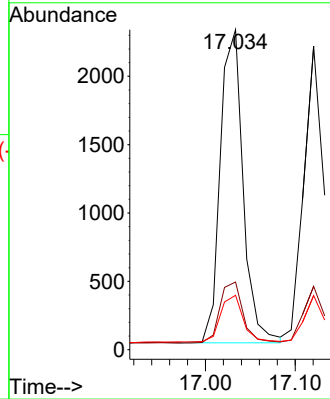
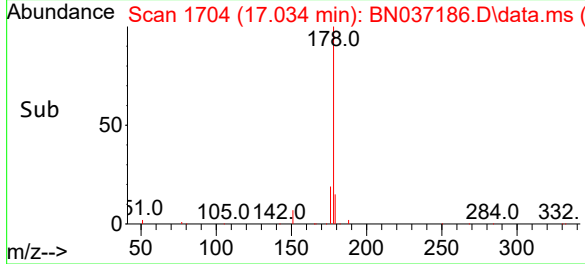
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:178 Resp: 4052
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.7 12.3 18.5

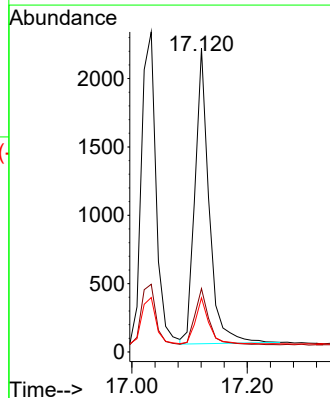
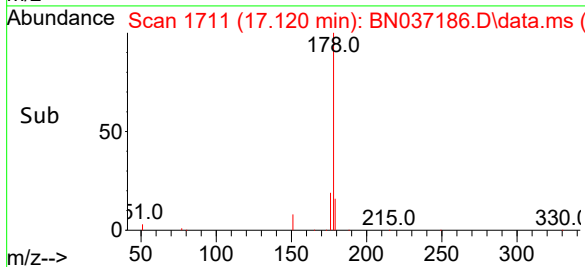
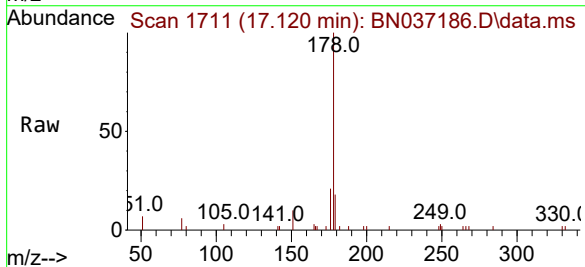
Manual Integrations
APPROVED

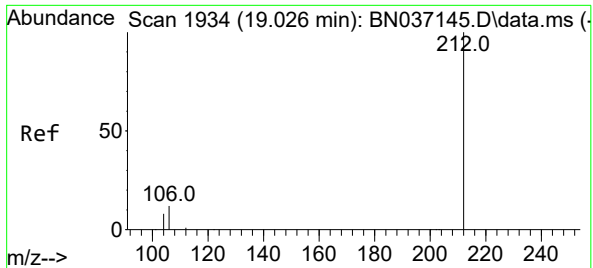
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#26
Anthracene
Concen: 0.366 ng
RT: 17.120 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:178 Resp: 3680
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.0 12.9 19.3





#27

Fluoranthene-d10

Concen: 0.315 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Instrument :

BNA_N

ClientSampleId :

PB168286BSD

Tgt Ion:212 Resp: 2720

Ion Ratio Lower Upper

212 100

106 12.4 10.6 15.8

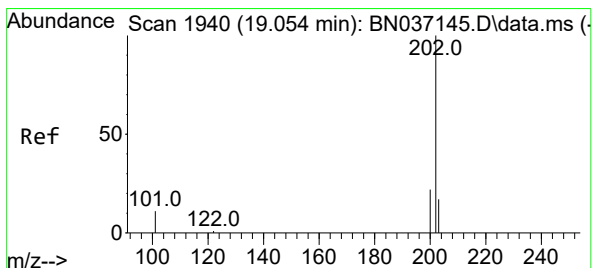
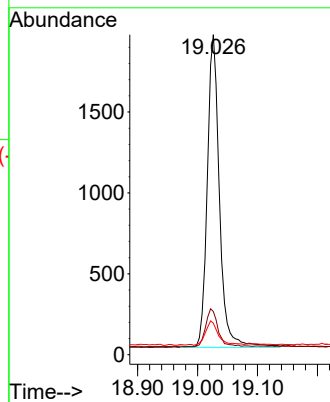
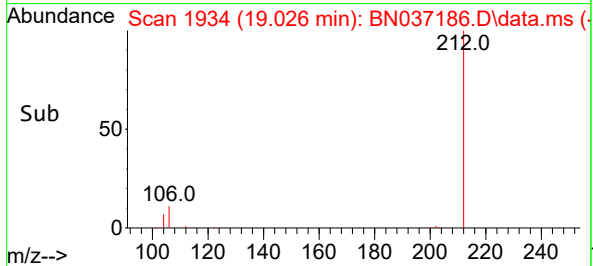
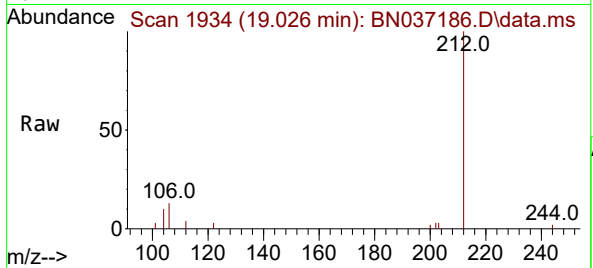
104 8.1 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#28

Fluoranthene

Concen: 0.306 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

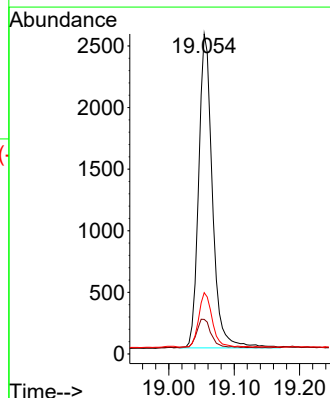
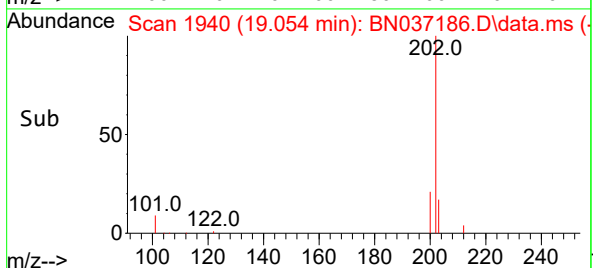
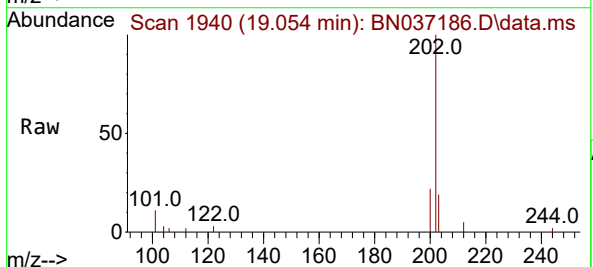
Tgt Ion:202 Resp: 3726

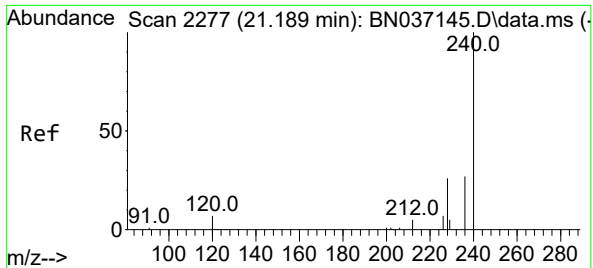
Ion Ratio Lower Upper

202 100

101 9.9 8.7 13.1

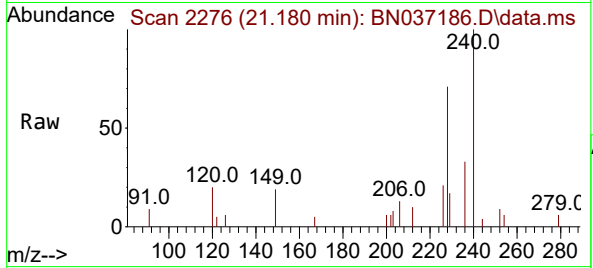
203 17.2 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

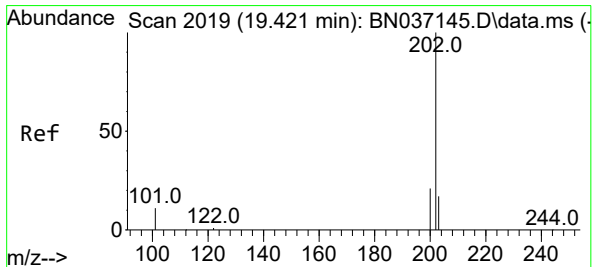
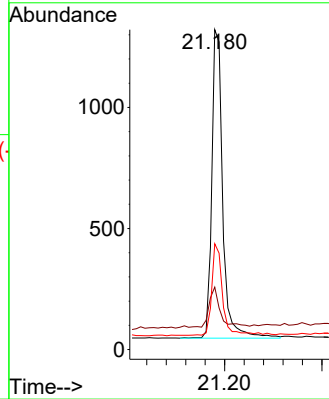
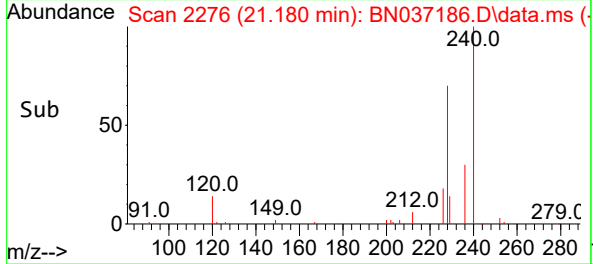
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:240 Resp: 1984
Ion Ratio Lower Upper
240 100
120 19.5 9.0 13.4
236 33.1 23.0 34.4

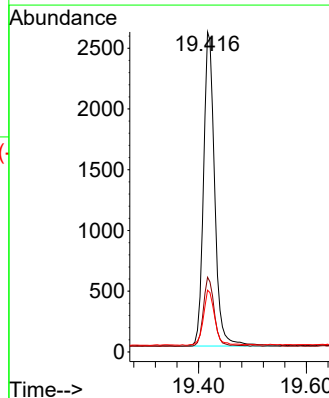
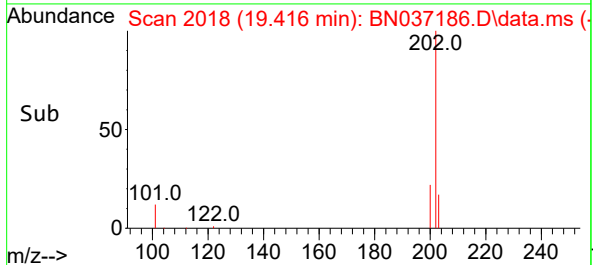
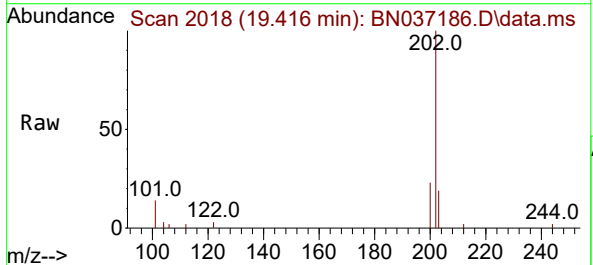
Manual Integrations
APPROVED

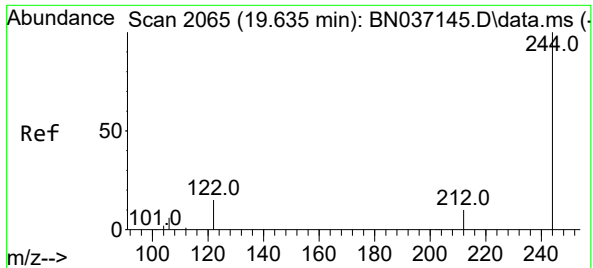
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#30
Pyrene
Concen: 0.382 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:202 Resp: 3699
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.4 14.2 21.4





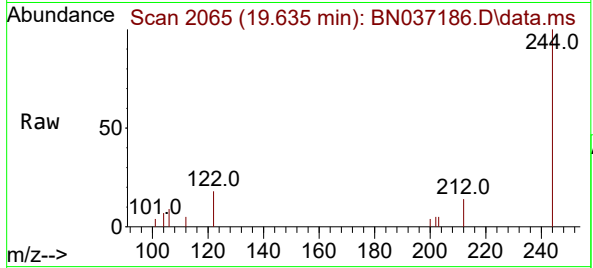
#31
Terphenyl-d14
Concen: 0.375 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Instrument :

BNA_N

ClientSampleId :

PB168286BSD



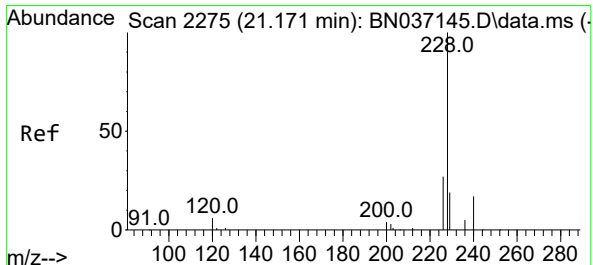
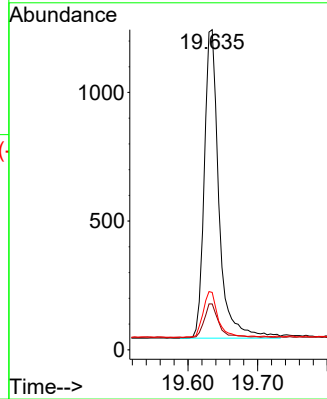
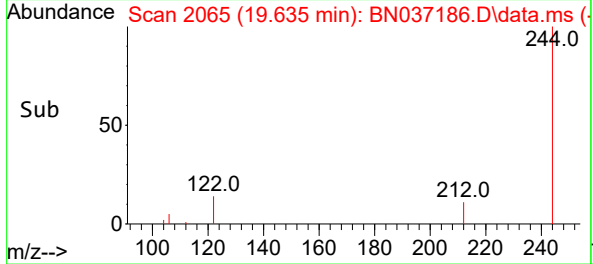
Tgt Ion:244 Resp: 175
Ion Ratio Lower Upper
244 100
212 14.3 10.0 15.0
122 17.9 13.2 19.8

Manual Integrations

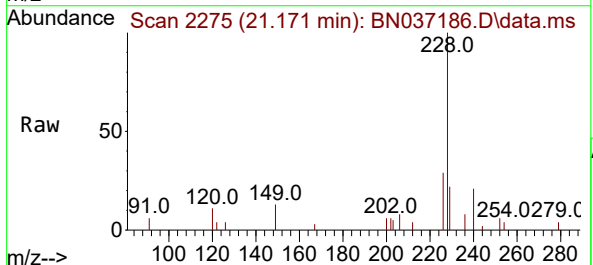
APPROVED

Reviewed By :Rahul Chavli 06/06/2025

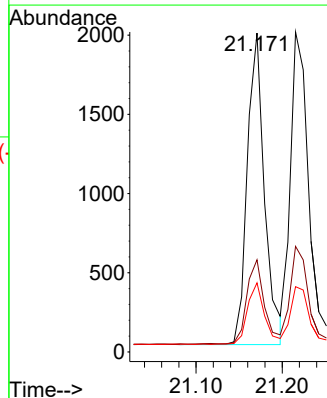
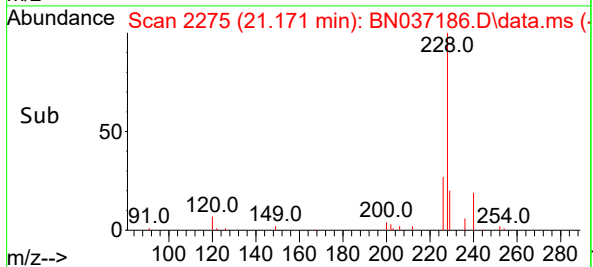
Supervised By :Jagrut Upadhyay 06/06/2025

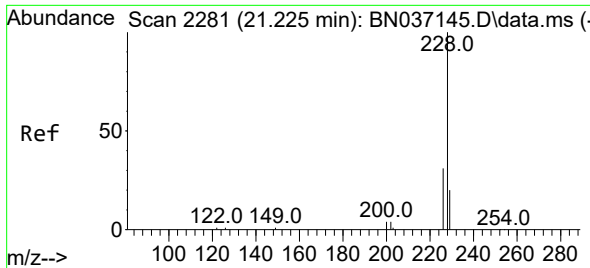


#32
Benzo(a)anthracene
Concen: 0.382 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46



Tgt Ion:228 Resp: 2740
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 21.7 16.2 24.2





#33

Chrysene

Concen: 0.376 ng

RT: 21.216 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Instrument :

BNA_N

ClientSampleId :

PB168286BSD

Tgt Ion:228 Resp: 3010

Ion Ratio Lower Upper

228 100

226 33.0 25.2 37.8

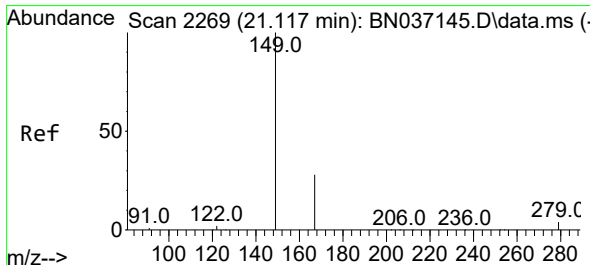
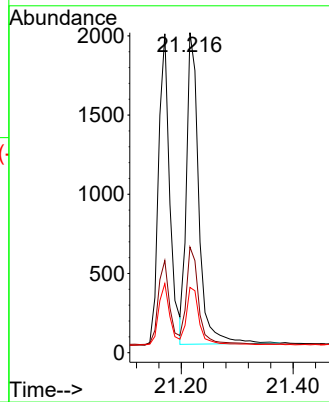
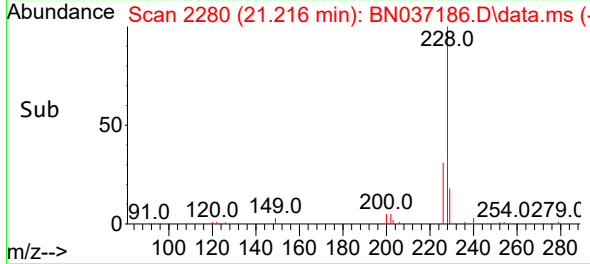
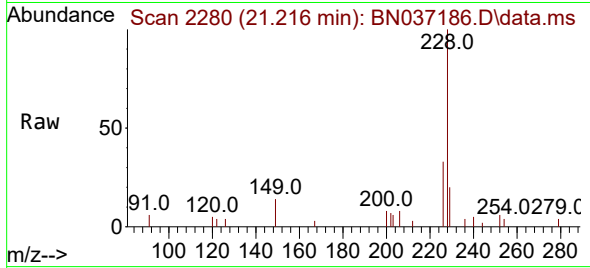
229 20.4 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.362 ng

RT: 21.108 min Scan# 2268

Delta R.T. -0.009 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

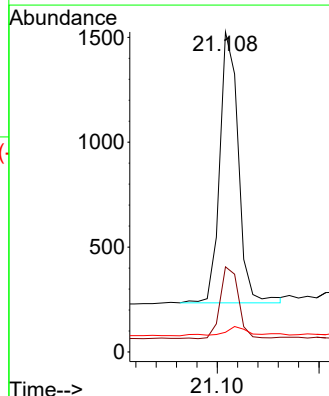
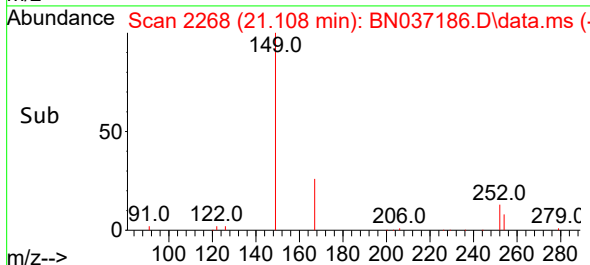
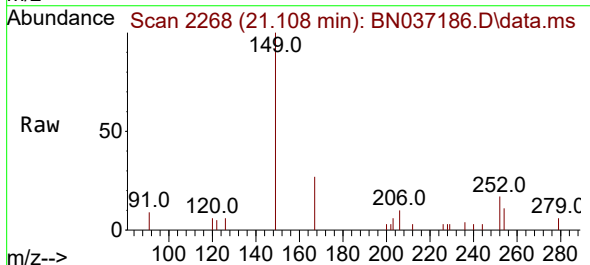
Tgt Ion:149 Resp: 1639

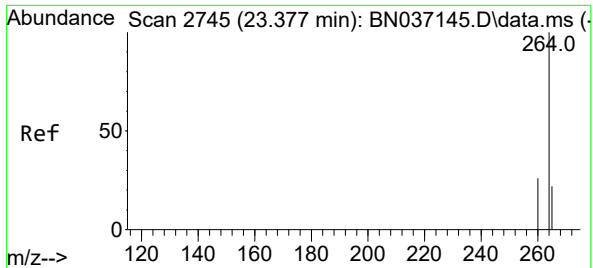
Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

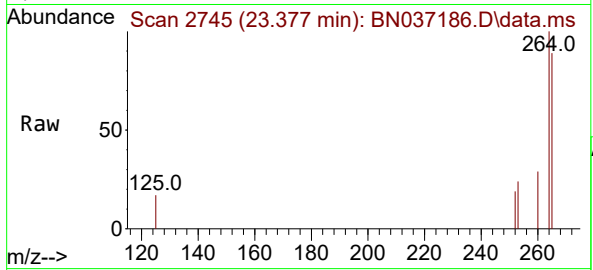
279 4.2 2.9 4.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

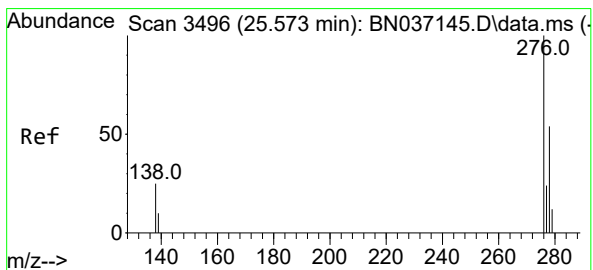
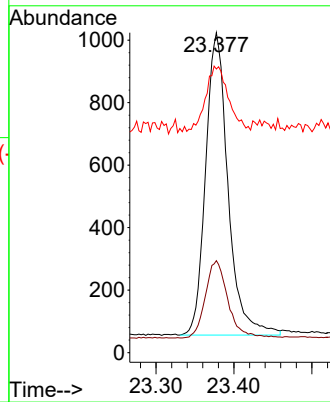
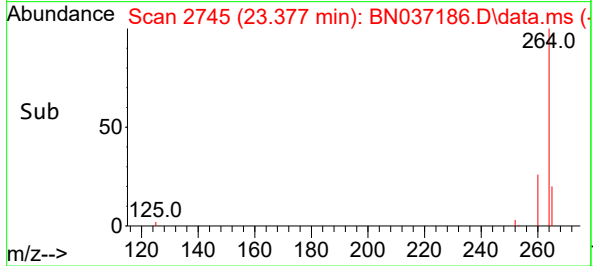
Instrument :
BNA_N
ClientSampleId :
PB168286BSD



Tgt Ion:264 Resp: 1930
Ion Ratio Lower Upper
264 100
260 28.7 22.1 33.1
265 88.7 55.8 83.8

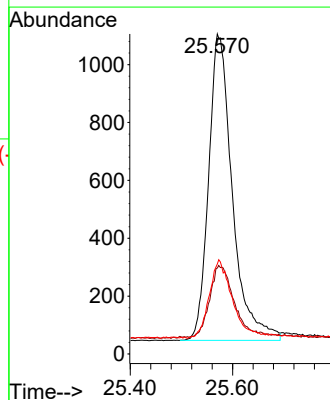
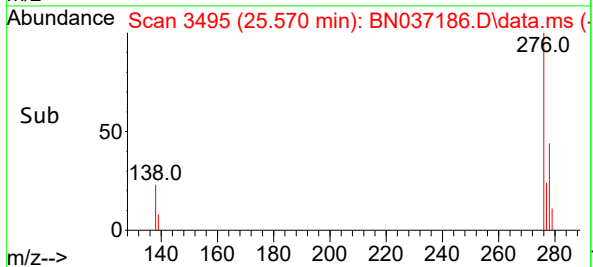
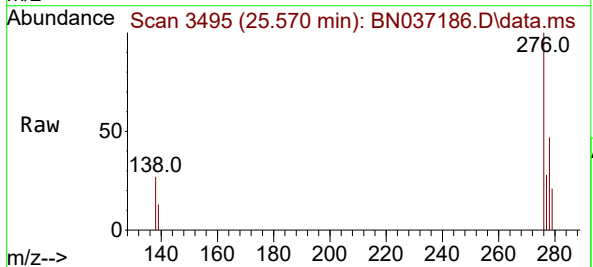
Manual Integrations
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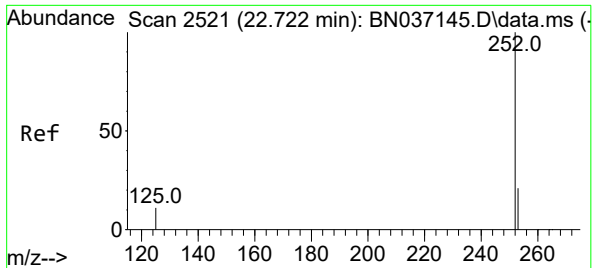
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.444 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037186.D
Acq: 05 Jun 2025 18:46

Tgt Ion:276 Resp: 3418
Ion Ratio Lower Upper
276 100
138 24.2 21.0 31.6
277 24.9 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.350 ng

RT: 22.722 min Scan# 2521

Delta R.T. -0.000 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Instrument :

BNA_N

ClientSampleId :

PB168286BSD

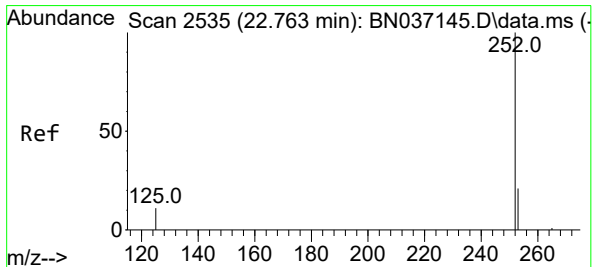
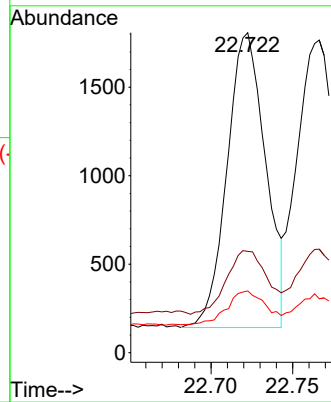
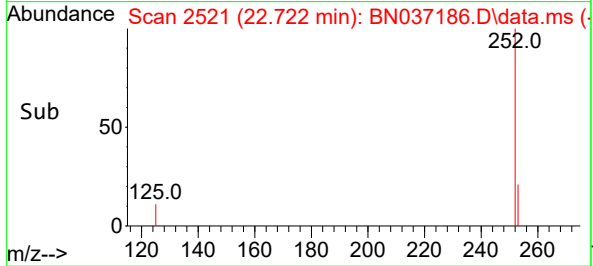
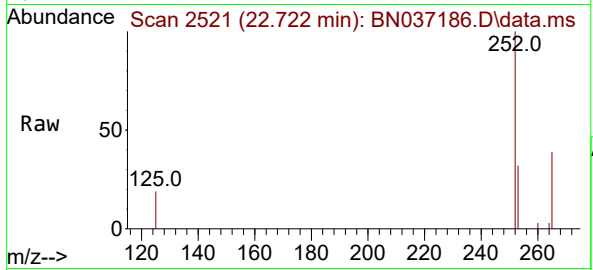
Tgt Ion:	252	Resp:	2739
Ion	Ratio	Lower	Upper
252	100		
253	31.6	22.3	33.5
125	19.3	13.2	19.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#38

Benzo(k)fluoranthene

Concen: 0.371 ng

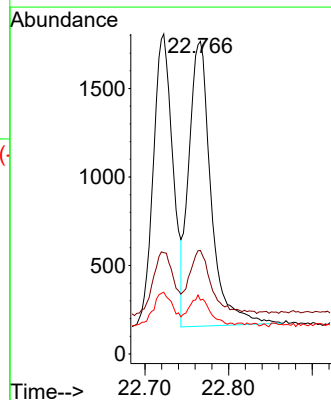
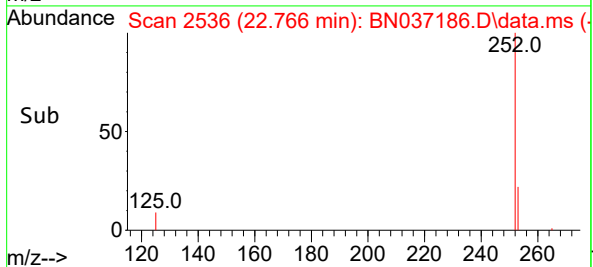
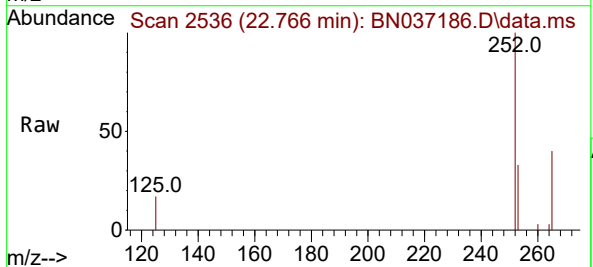
RT: 22.766 min Scan# 2536

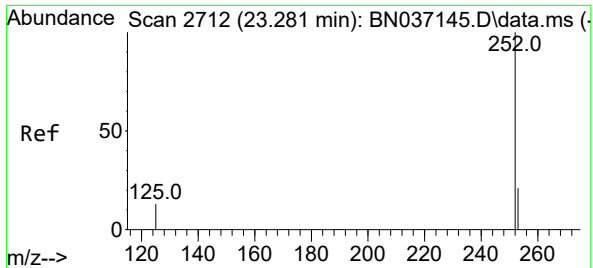
Delta R.T. 0.003 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Tgt Ion:	252	Resp:	2964
Ion	Ratio	Lower	Upper
252	100		
253	33.1	22.2	33.4
125	17.3	13.2	19.8





#39

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Instrument :

BNA_N

ClientSampleId :

PB168286BSD

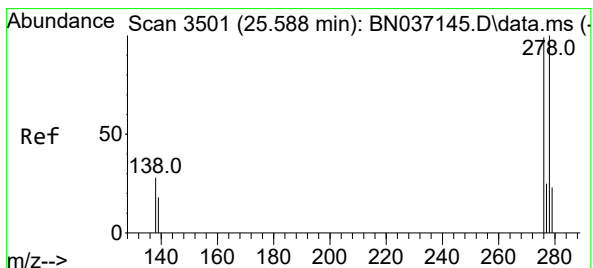
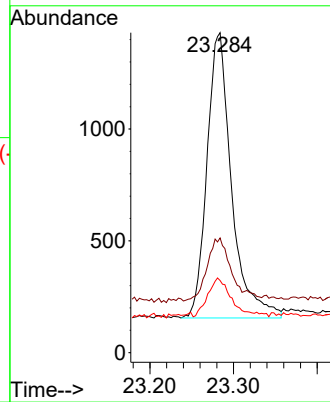
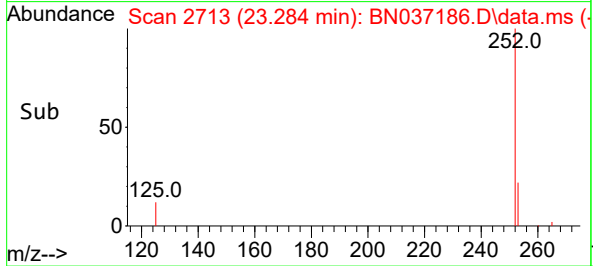
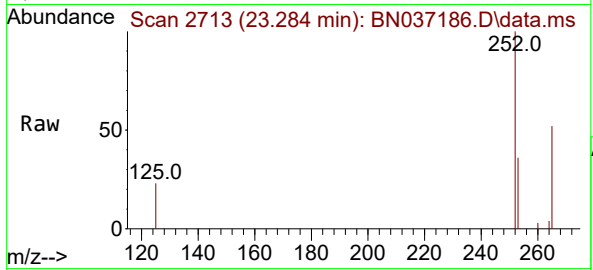
Tgt Ion:	252	Resp:	260
Ion Ratio	Lower	Upper	
252	100		
253	35.8	25.0	37.4
125	22.6	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.434 ng

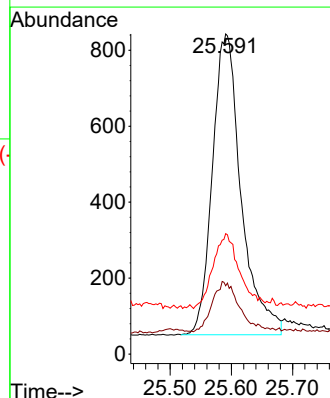
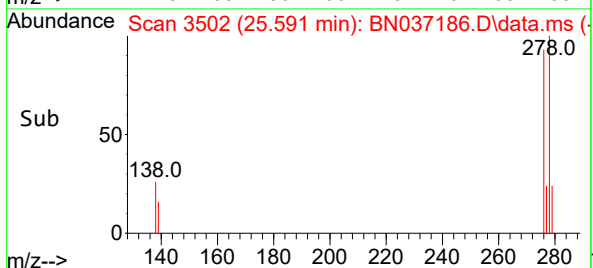
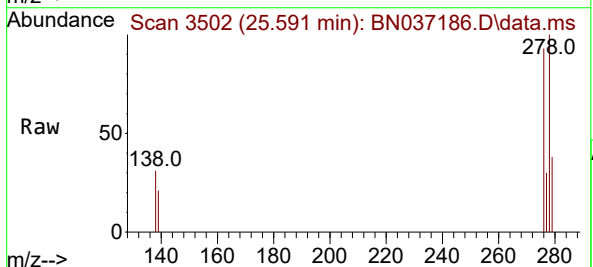
RT: 25.591 min Scan# 3502

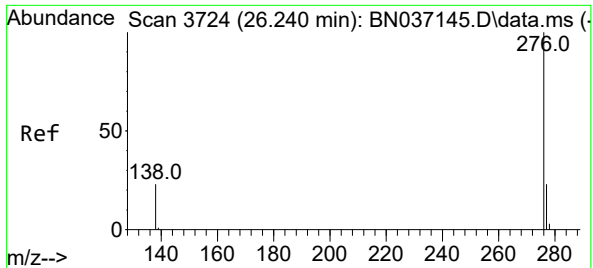
Delta R.T. 0.003 min

Lab File: BN037186.D

Acq: 05 Jun 2025 18:46

Tgt Ion:	278	Resp:	2579
Ion Ratio	Lower	Upper	
278	100		
139	21.4	17.6	26.4
279	37.6	26.0	39.0





#41

Benzo(g,h,i)perylene

Concen: 0.428 ng

RT: 26.243 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN037186.D

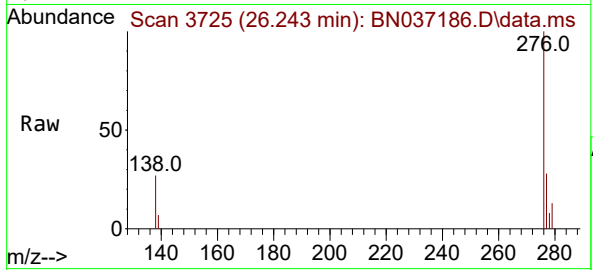
Acq: 05 Jun 2025 18:46

Instrument :

BNA_N

ClientSampleId :

PB168286BSD



Tgt Ion:276 Resp: 292

Ion Ratio Lower Upper

276 100

277 27.9 20.9 31.3

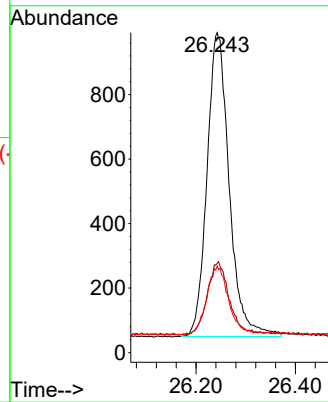
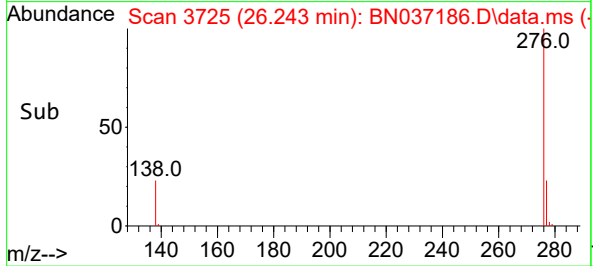
138 27.0 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025





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

Manual Integration Report

Sequence:

BN060325

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	BN060525	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168286BS	BN037182.D	2-Methylnaphthalene-d1 0	Rahul	6/6/2025 12:28:09 PM	Jagrut	6/6/2025 1:15:35 PM	Peak Integrated by Software
PB168286BSD	BN037186.D	2-Methylnaphthalene-d1 0	Rahul	6/6/2025 12:28:13 PM	Jagrut	6/6/2025 1:15:38 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037142.D	03 Jun 2025 10:21	RC/JU	Ok
2	SSTDIC0.1	BN037143.D	03 Jun 2025 11:39	RC/JU	Ok
3	SSTDIC0.2	BN037144.D	03 Jun 2025 12:15	RC/JU	Ok
4	SSTDIC0.4	BN037145.D	03 Jun 2025 12:51	RC/JU	Ok
5	SSTDIC0.8	BN037146.D	03 Jun 2025 13:26	RC/JU	Ok
6	SSTDIC1.6	BN037147.D	03 Jun 2025 14:02	RC/JU	Ok
7	SSTDIC3.2	BN037148.D	03 Jun 2025 14:38	RC/JU	Ok
8	SSTDIC5.0	BN037149.D	03 Jun 2025 15:14	RC/JU	Ok
9	SSTDICV0.4	BN037150.D	03 Jun 2025 15:53	RC/JU	Ok
10	PB168238BL	BN037151.D	03 Jun 2025 17:05	RC/JU	Not Ok
11	Q2181-01	BN037152.D	03 Jun 2025 17:41	RC/JU	Dilution
12	Q2181-01DL	BN037153.D	03 Jun 2025 18:18	RC/JU	Ok
13	SSTDIC0.4	BN037154.D	03 Jun 2025 18:54	RC/JU	Ok
14	DFTPP	BN037155.D	03 Jun 2025 20:10	RC/JU	Ok
15	SSTDIC0.4	BN037156.D	03 Jun 2025 20:49	RC/JU	Ok
16	PB168238BL	BN037157.D	03 Jun 2025 21:25	RC/JU	Not Ok
17	Q2162-03	BN037158.D	03 Jun 2025 22:01	RC/JU	Ok
18	Q2162-07	BN037159.D	03 Jun 2025 22:37	RC/JU	Ok
19	Q2162-09	BN037160.D	03 Jun 2025 23:13	RC/JU	Ok
20	Q2162-10	BN037161.D	03 Jun 2025 23:49	RC/JU	Ok
21	PB168238BS	BN037162.D	04 Jun 2025 00:25	RC/JU	Not Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168238BSD	BN037163.D	04 Jun 2025 01:01	RC/JU	Not Ok
23	SSTDCCC0.4	BN037164.D	04 Jun 2025 02:13	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060525

Review By	Rahul	Review On	6/6/2025 12:34:40 PM
Supervise By	Jagrut	Supervise On	6/6/2025 1:15:52 PM
SubDirectory	BN060525	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037171.D	05 Jun 2025 09:03	RC/JU	Ok
2	SSTDCCC0.4	BN037172.D	05 Jun 2025 09:42	RC/JU	Ok
3	PB168286BL	BN037173.D	05 Jun 2025 10:19	RC/JU	Ok
4	Q2186-03	BN037174.D	05 Jun 2025 10:55	RC/JU	Ok
5	Q2186-07	BN037175.D	05 Jun 2025 11:31	RC/JU	Ok
6	Q2186-09	BN037176.D	05 Jun 2025 12:08	RC/JU	Ok
7	Q2200-01	BN037177.D	05 Jun 2025 12:44	RC/JU	Dilution
8	Q2200-02	BN037178.D	05 Jun 2025 13:20	RC/JU	Dilution
9	Q2200-03	BN037179.D	05 Jun 2025 13:56	RC/JU	Ok
10	Q2200-04	BN037180.D	05 Jun 2025 14:32	RC/JU	Ok
11	Q2200-05	BN037181.D	05 Jun 2025 15:08	RC/JU	Dilution
12	PB168286BS	BN037182.D	05 Jun 2025 16:21	RC/JU	Ok,M
13	Q2200-01DL	BN037183.D	05 Jun 2025 16:57	RC/JU	Ok
14	Q2200-02DL	BN037184.D	05 Jun 2025 17:33	RC/JU	Ok
15	Q2200-05DL	BN037185.D	05 Jun 2025 18:10	RC/JU	Ok
16	PB168286BSD	BN037186.D	05 Jun 2025 18:46	RC/JU	Ok,M
17	SSTDCCC0.4	BN037187.D	05 Jun 2025 19:22	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6779 SP6740,1ul/100ul sample SP6768

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037142.D	03 Jun 2025 10:21		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN037143.D	03 Jun 2025 11:39	Compound #20,24 removed from 0.1 PPM	RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN037144.D	03 Jun 2025 12:15		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN037145.D	03 Jun 2025 12:51	Compound #20,24 kept on LR.	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN037146.D	03 Jun 2025 13:26		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN037147.D	03 Jun 2025 14:02		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN037148.D	03 Jun 2025 14:38	Method is good for DOD and NONDOD.	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN037149.D	03 Jun 2025 15:14		RC/JU	Ok
9	SSTDICV0.4	ICVBN060325	BN037150.D	03 Jun 2025 15:53		RC/JU	Ok
10	PB168238BL	PB168238BL	BN037151.D	03 Jun 2025 17:05	Not Used	RC/JU	Not Ok
11	Q2181-01	38072-062624	BN037152.D	03 Jun 2025 17:41	Need 50X Dilution	RC/JU	Dilution
12	Q2181-01DL	38072-062624DL	BN037153.D	03 Jun 2025 18:18		RC/JU	Ok
13	SSTDCCC0.4	SSTDCCC0.4EC	BN037154.D	03 Jun 2025 18:54		RC/JU	Ok
14	DFTPP	DFTPP	BN037155.D	03 Jun 2025 20:10		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4	BN037156.D	03 Jun 2025 20:49		RC/JU	Ok
16	PB168238BL	PB168238BL	BN037157.D	03 Jun 2025 21:25	Not Used	RC/JU	Not Ok
17	Q2162-03	BP-VPB-182-GW-580-5	BN037158.D	03 Jun 2025 22:01		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q2162-07	BP-VPB-182-GW-620-6	BN037159.D	03 Jun 2025 22:37		RC/JU	Ok
19	Q2162-09	BP-VPB-182-DUP-2025	BN037160.D	03 Jun 2025 23:13		RC/JU	Ok
20	Q2162-10	BP-VPB-182-EB-20250	BN037161.D	03 Jun 2025 23:49		RC/JU	Ok
21	PB168238BS	PB168238BS	BN037162.D	04 Jun 2025 00:25	Recovery Fail for 1,4 Dioxane from low side	RC/JU	Not Ok
22	PB168238BSD	PB168238BSD	BN037163.D	04 Jun 2025 01:01	Recovery Fail for 1,4 Dioxane from low side	RC/JU	Not Ok
23	SSTDCCC0.4	SSTDCCC0.4EC	BN037164.D	04 Jun 2025 02:13		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060525

Review By	Rahul	Review On	6/6/2025 12:34:40 PM
Supervise By	Jagrut	Supervise On	6/6/2025 1:15:52 PM
SubDirectory	BN060525	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037171.D	05 Jun 2025 09:03		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037172.D	05 Jun 2025 09:42		RC/JU	Ok
3	PB168286BL	PB168286BL	BN037173.D	05 Jun 2025 10:19		RC/JU	Ok
4	Q2186-03	BP-VPB-182-GW-680-6	BN037174.D	05 Jun 2025 10:55		RC/JU	Ok
5	Q2186-07	BP-VPB-182-GW-720-7	BN037175.D	05 Jun 2025 11:31		RC/JU	Ok
6	Q2186-09	VPB182-HYD-2025053	BN037176.D	05 Jun 2025 12:08		RC/JU	Ok
7	Q2200-01	RMW-02B-66-060325	BN037177.D	05 Jun 2025 12:44	Need 10X dilution	RC/JU	Dilution
8	Q2200-02	RMW-03B-90-060325	BN037178.D	05 Jun 2025 13:20	Need 2X dilution	RC/JU	Dilution
9	Q2200-03	EB01-060325	BN037179.D	05 Jun 2025 13:56		RC/JU	Ok
10	Q2200-04	MW-01-6.5-060325	BN037180.D	05 Jun 2025 14:32		RC/JU	Ok
11	Q2200-05	MW-11B-37.5-060325	BN037181.D	05 Jun 2025 15:08	Need 10X dilution	RC/JU	Dilution
12	PB168286BS	PB168286BS	BN037182.D	05 Jun 2025 16:21		RC/JU	Ok,M
13	Q2200-01DL	RMW-02B-66-060325D	BN037183.D	05 Jun 2025 16:57		RC/JU	Ok
14	Q2200-02DL	RMW-03B-90-060325D	BN037184.D	05 Jun 2025 17:33		RC/JU	Ok
15	Q2200-05DL	MW-11B-37.5-060325D	BN037185.D	05 Jun 2025 18:10		RC/JU	Ok
16	PB168286BSD	PB168286BSD	BN037186.D	05 Jun 2025 18:46		RC/JU	Ok,M
17	SSTDCCC0.4	SSTDCCC0.4EC	BN037187.D	05 Jun 2025 19:22		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Extraction Start Date : 06/04/2025

Matrix : Water

Extraction Start Time : 11:46

Weigh By: N/A

Extraction By: RS

Extraction End Date : 06/04/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 16:50

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3880

Hood ID: 4,6,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6756
Surrogate	1.0ML	0.4 PPM	SP6758
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH, Q2186-03 used Limited volume received.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

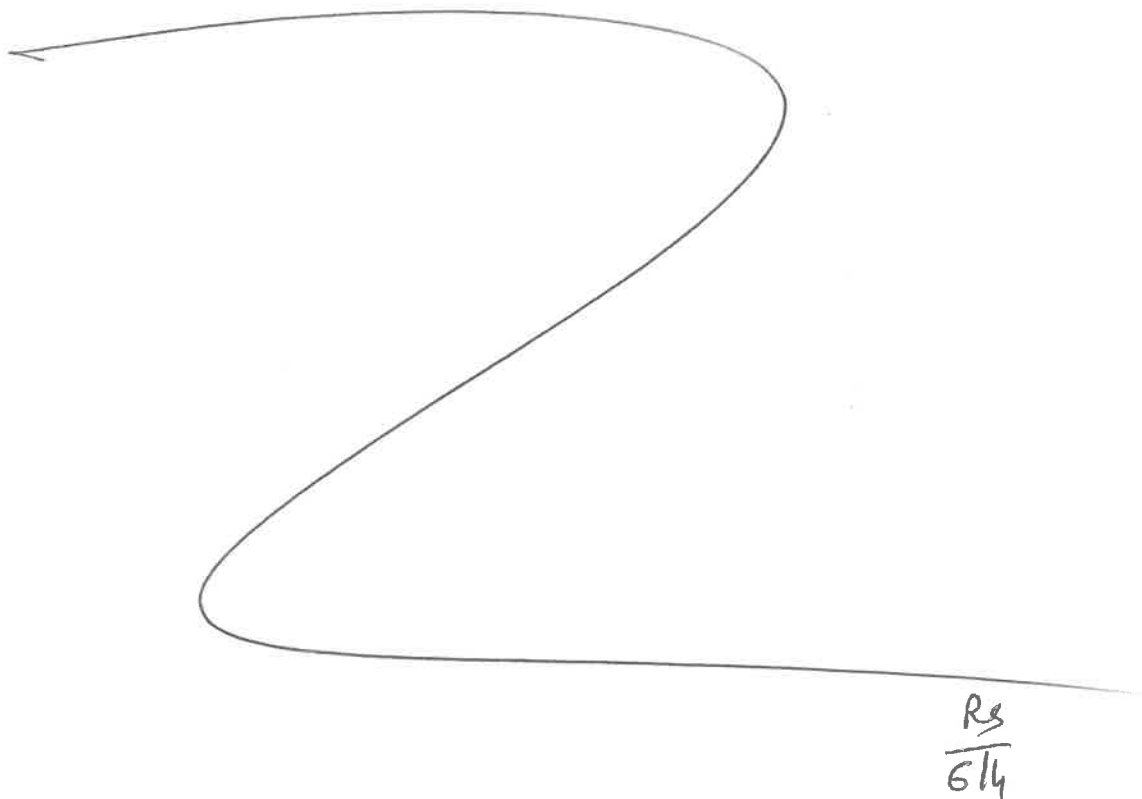
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/4/25	RS (Ext Lab)	RC/svoc
16:55	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 06/04/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/ Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168286BL	SBLK286	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			SEP-7
PB168286BS	SLCS286	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			8
PB168286BS D	SLCSD286	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			9
Q2186-03	BP-VPB-182-GW-680-682	SVOC-SIMGrou p1	390	6	RUPEsh	ritesh	1	C		10
Q2186-07	BP-VPB-182-GW-720-722	SVOC-SIMGrou p1	870	6	RUPEsh	ritesh	1	C		11
Q2186-09	VPB182-HYD-20250530	SVOC-SIMGrou p1	890	6	RUPEsh	ritesh	1	C		12
Q2200-01	RMW-02B-66-060325	SVOC-SIMGrou p1	970	6	RUPEsh	ritesh	1	C		13
Q2200-02	RMW-03B-90-060325	SVOC-SIMGrou p1	960	6	RUPEsh	ritesh	1	C		14
Q2200-03	EB01-060325	SVOC-SIMGrou p1	910	6	RUPEsh	ritesh	1	C		15
Q2200-04	MW-01-6.5-060325	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			16
Q2200-05	MW-11B-37.5-060325	SVOC-SIMGrou p1	970	6	RUPEsh	ritesh	1	C		17



168286
11:46

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2186 WorkList ID : 189931 Department : Extraction Date : 06-04-2025 11:39:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2186-03	BP-VPB-182-GW-680-682	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	N13	05/30/2025	8270-Modified
Q2186-07	BP-VPB-182-GW-720-722	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	N13	06/02/2025	8270-Modified
Q2186-09	VPB182-HYD-20250530	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	N13	05/30/2025	8270-Modified
Q2200-01	RMW-02B-66-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-02	RMW-03B-90-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-03	EB01-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-04	MW-01-6.5-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-05	MW-11B-37.5-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified

Date/Time 6/4/25 11:40
Raw Sample Received by: RS (Ext-Gb)
Raw Sample Relinquished by: RM Gm

Date/Time 6/4/25 12:30
Raw Sample Received by: RM Gm
Raw Sample Relinquished by: RS (Ext-Gb)



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 Ynfante John.Ynfante@Jacobs.com
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: STC Princeton
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#: _____
ADDRESS: _____
CITY _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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 _____

Site specific VOCs
(BTEX, DBP, Lead)
1,4-Dioxane
(BTEX, DBP, Lead)

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

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								
1.	RMW-02B-66-060325	GW		X	6/3/25	1020	3	X	X								
2.	RMW-03B-90-060325	GW		X	6/3/25	1100	3	X	X								
3.	EB01-060325	DI		X	6/3/25	1300	3	X	X								
4.	MW-01-6.5-060325	GW		X	6/3/25	1400	1		X								
5.	MW-11B-37.5-060325	GW		X	6/3/25	1420	3	X	X								
6.	TB-01-060325	DI		X	6/3/25	1530	2	X									
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT	COOLER TEMP
1. <u>Don Holmes</u>	<u>6/3/25 1100</u>	1. <u>16:20</u>	Comments: <u>See work order for list of site specific VOCs</u>	<u>3.42</u> °C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
2.		2.		
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
3.		3.		

PO# 148064311

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2200	JACO05	Order Date : 6/3/2025 4:06:00 PM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4 level 3
Client Contact : John Ynfante		Receive DateTime : 6/3/2025 12:00:00 AM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order : 17:25	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
Q2200-01	RMW-02B-66-060325	Water	06/03/2025	10:20					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2200-02	RMW-03B-90-060325	Water	06/03/2025	11:00					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2200-03	EB01-060325	Water	06/03/2025	13:00					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2200-05	MW-11B-37.5-060325	Water	06/03/2025	14:20					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q2200-06	TB-01-060325	Water	06/03/2025	15:30					
					VOCMS Group3		8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time : 6/4/25 1040

SAMPLES RECEIVED ON 6/3/25
SAMPLES PLACED IN SM-REF-2

Received By : 

Date / Time : 06/04/25 10:40 Leg # 4

Storage Area : VOA Refridgerator Room