

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:	Q3494	OrderDate:	10/30/2025 10:22:00 AM
Client:	G Environmental	Project:	Communipaw
Contact:	Gary Landis	Location:	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3494-01	MW3	Water			10/29/25			10/30/25
			SVOCMS Group2	8270E		10/31/25	11/03/25	
			SVOC-SIMGroup1	8270-Modified		11/03/25	11/04/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3494
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			0.00		
			Total Concentration:			0.00		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3494

Client: G Environmental

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170381BL	PB170381BL	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	88		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.39	97		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.46	114		30 (54)	130 (175)
PB170381BS	PB170381BS	2-Methylnaphthalene-d10	0.4	0.35	88		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.30	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	92		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.42	104		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	121		30 (54)	130 (175)
PB170381BSD	PB170381BSD	2-Methylnaphthalene-d10	0.4	0.29	73		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.25	63		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	76		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.36	91		30 (54)	130 (175)
Q3494-01	MW3	2-Methylnaphthalene-d10	0.4	0.29	73		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.31	78		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	76		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.34	85		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	119		30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3494

Analytical Method: 8270-Modified

Client: G Environmental

DataFile: BN038132.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170381BS	Benzo(a)anthracene	0.4	0.35	ug/L	88				70 (54)	130 (130)	
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93				70 (65)	130 (121)	
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				70 (72)	130 (119)	
	Benzo(a)pyrene	0.4	0.39	ug/L	98				70 (68)	130 (120)	
	Benzo(g,h,i)perylene	0.4	0.45	ug/L	113				70 (76)	130 (117)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3494

Analytical Method: 8270-Modified

Client: G Environmental

DataFile: BN038133.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB170381BSD	Benzo(a)anthracene	0.4	0.28	ug/L	70	22	*		70 (54)	130 (130)	20 (20)
	Benzo(b)fluoranthene	0.4	0.29	ug/L	73	24	*		70 (65)	130 (121)	20 (20)
	Benzo(k)fluoranthene	0.4	0.31	ug/L	78	20			70 (72)	130 (119)	20 (20)
	Benzo(a)pyrene	0.4	0.30	ug/L	75	26	*		70 (68)	130 (120)	20 (20)
	Benzo(g,h,i)perylene	0.4	0.32	ug/L	80	34	*		70 (76)	130 (117)	20 (20)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170381BL

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3494

Lab File ID: BN038131.D

Lab Sample ID: PB170381BL

Instrument ID: BNA_N

Date Extracted: 11/03/2025

Matrix: (soil/water) Water

Date Analyzed: 11/04/2025

Level: (low/med) LOW

Time Analyzed: 11:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170381BS	PB170381BS	BN038132.D	11/04/2025
PB170381BSD	PB170381BSD	BN038133.D	11/04/2025
MW3	Q3494-01	BN038134.D	11/04/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038110.D
Instrument ID: BNA_N

Contract: GENV01
SDG NO.: Q3494
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 12:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	85.3
443	15.0 - 24.0% of mass 442	17 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN038111.D	10/28/2025	13:00
SSTDICC0.2	SSTDICC0.2	BN038112.D	10/28/2025	13:36
SSTDICCC0.4	SSTDICCC0.4	BN038113.D	10/28/2025	14:13
SSTDICC0.8	SSTDICC0.8	BN038114.D	10/28/2025	14:49
SSTDICC1.6	SSTDICC1.6	BN038115.D	10/28/2025	15:25
SSTDICC3.2	SSTDICC3.2	BN038116.D	10/28/2025	16:02
SSTDICC5.0	SSTDICC5.0	BN038117.D	10/28/2025	16:38



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038129.D
Instrument ID: BNA_N

Contract: GENV01
SDG NO.: Q3494
DFTPP Injection Date: 11/04/2025
DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	95.1
443	15.0 - 24.0% of mass 442	19 (20) 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	BN038130.D	11/04/2025	10:40
PB170381BL	PB170381BL	BN038131.D	11/04/2025	11:43
PB170381BS	PB170381BS	BN038132.D	11/04/2025	12:19
PB170381BSD	PB170381BSD	BN038133.D	11/04/2025	12:56
MW3	Q3494-01	BN038134.D	11/04/2025	13:32

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3494

Client ID : SSTDCCC0.4

Date Analyzed: 11/04/2025

Lab File ID: BN038130.D

Time Analyzed: 10:40

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	8599	7.775	24973	10.57	13947	14.44
UPPER LIMIT	17198	8.275	49946	11.073	27894	14.941
LOWER LIMIT	4299.5	7.275	12486.5	10.073	6973.5	13.941
EPA SAMPLE NO.						
01 PB170381BL	8221	7.79	22221	10.59	11601	14.44
02 PB170381BS	11523	7.78	31801	10.57	16154	14.44
03 PB170381BSD	10823	7.78	30534	10.57	15616	14.43
04 MW3	8527	7.78	25794	10.57	14504	14.43

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3494

Client ID: SSTDCCC0.4

Date Analyzed: 11/04/2025

Lab File ID: BN038130.D

Time Analyzed: 10:40

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	27056	17.186	17059	21.375	13607	23.686
UPPER LIMIT	54112	17.686	34118	21.875	27214	24.186
LOWER LIMIT	13528	16.686	8529.5	20.875	6803.5	23.186
EPA SAMPLE NO.						
01 PB170381BL	21781	17.20	15202	21.38	13241	23.70
02 PB170381BS	30417	17.19	16510	21.38	13194	23.69
03 PB170381BSD	28756	17.19	18053	21.38	14856	23.68
04 MW3	25082	17.19	16893	21.38	18076	23.68

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client: G Environmental	Date Collected: 10/29/25	
Project: Communipaw	Date Received: 10/30/25	
Client Sample ID: MW3	SDG No.: Q3494	
Lab Sample ID: Q3494-01	Matrix: Water	
Analytical Method: SW8270ESIM	% Solid: 0	
Sample Wt/Vol: 990 mL	Test: SVOC-SIMGroup1	
Prep Method : 3510C		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
56-55-3	Benzo(a)anthracene	0.040	U	1	0.040	0.10	ug/L	11/04/25 13:32	PB170381
205-99-2	Benzo(b)fluoranthene	0.040	U	1	0.040	0.10	ug/L	11/04/25 13:32	PB170381
207-08-9	Benzo(k)fluoranthene	0.050	U	1	0.050	0.10	ug/L	11/04/25 13:32	PB170381
50-32-8	Benzo(a)pyrene	0.040	U	1	0.040	0.10	ug/L	11/04/25 13:32	PB170381
191-24-2	Benzo(g,h,i)perylene	0.040	U	1	0.040	0.10	ug/L	11/04/25 13:32	PB170381
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (20) - 150 (139)	73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.31			30 (54) - 150 (157)	78%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			30 (27) - 130 (154)	76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.34			30 (30) - 130 (155)	85%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.48			30 (54) - 130 (175)	119%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8530							
1146-65-2	Naphthalene-d8	25800							
15067-26-2	Acenaphthene-d10	14500							
1517-22-2	Phenanthrene-d10	25100							
1719-03-5	Chrysene-d12	16900							
1520-96-3	Perylene-d12	18100							

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\BN110425\
 Data File : BN038134.D
 Acq On : 04 Nov 2025 13:32
 Operator : RC/JU
 Sample : Q3494-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW3

Quant Time: Nov 04 13:58:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

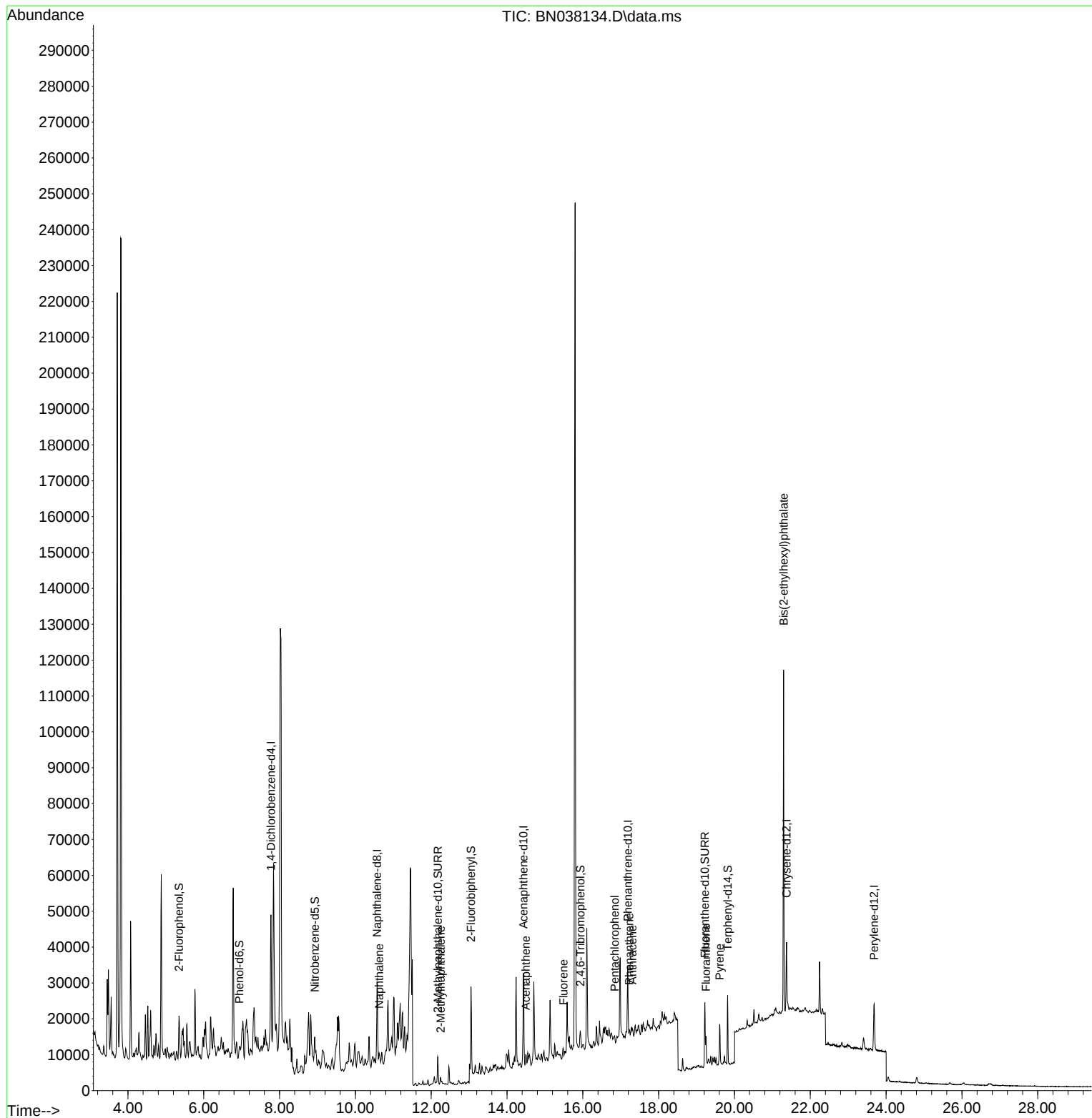
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8527	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	25794	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	14504	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	25082	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	16893	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	18076	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	3028	0.151	ng	0.00
5) Phenol-d6	6.937	99	2419	0.099	ng	0.00
8) Nitrobenzene-d5	8.929	82	6360	0.306	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	10803	0.293	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2438	0.408	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	19834	0.341	ng	0.00
27) Fluoranthene-d10	19.220	212	19697	0.311	ng	0.00
31) Terphenyl-d14	19.819	244	17460	0.476	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.626	128	3594	0.051	ng	# 73
12) 2-Methylnaphthalene	12.248	142	1672	0.035	ng	# 63
17) Acenaphthene	14.494	154	1398	0.030	ng	97
18) Fluorene	15.489	166	2398	0.040	ng	# 53
24) Pentachlorophenol	16.838	266	507	0.063	ng	95
25) Phenanthrene	17.223	178	1888	0.024	ng	# 59
26) Anthracene	17.310	178	2321	0.033	ng	# 84
28) Fluoranthene	19.248	202	6342	0.071	ng	# 93
30) Pyrene	19.610	202	10055	0.132	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.295	149	79159	2.494	ng	99

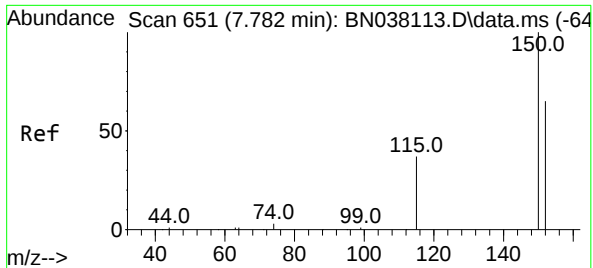
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
Data File : BN038134.D
Acq On : 04 Nov 2025 13:32
Operator : RC/JU
Sample : Q3494-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW3

Quant Time: Nov 04 13:58:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

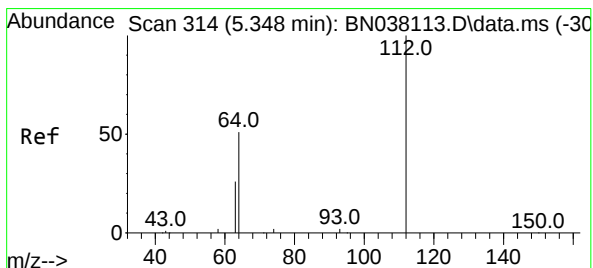
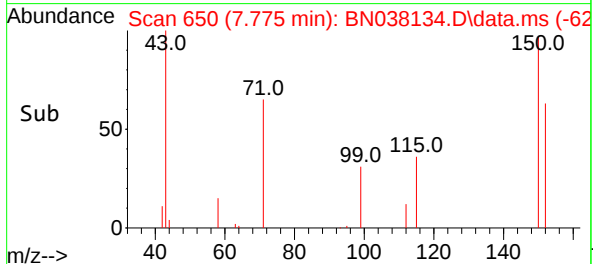
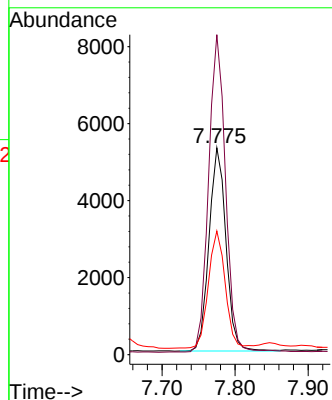
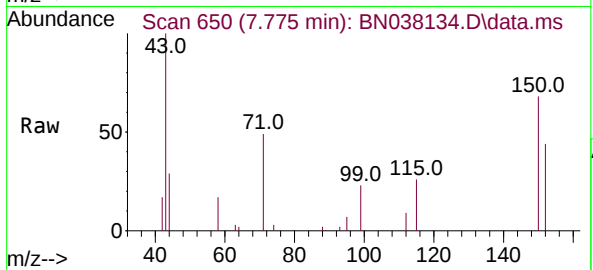




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

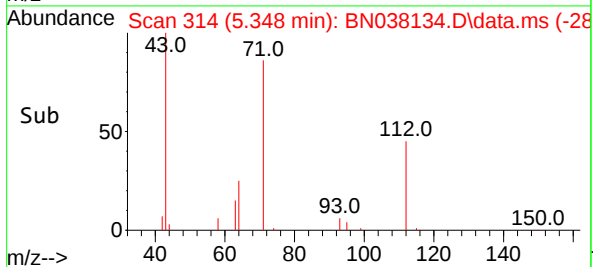
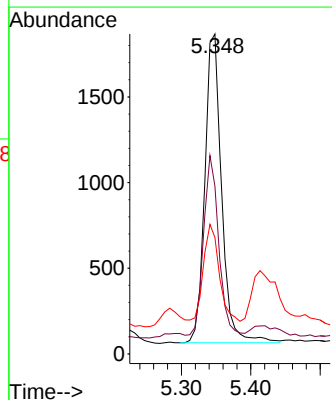
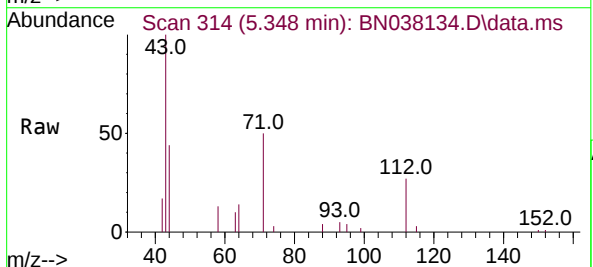
Instrument :
BNA_N
ClientSampleId :
MW3

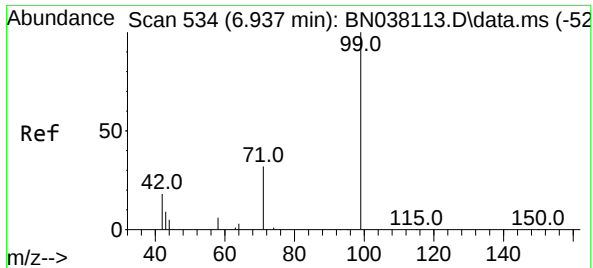
Tgt Ion:152 Resp: 8527
Ion Ratio Lower Upper
152 100
150 154.7 122.3 183.5
115 59.8 47.4 71.0



#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:112 Resp: 3028
Ion Ratio Lower Upper
112 100
64 54.1 45.4 68.0
63 32.8 23.2 34.8

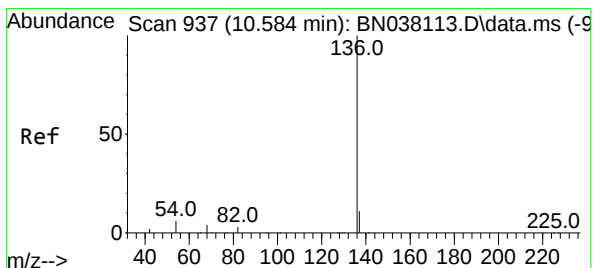
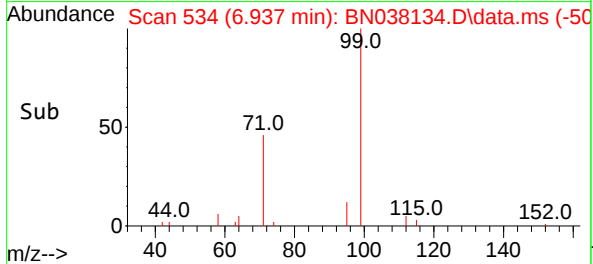
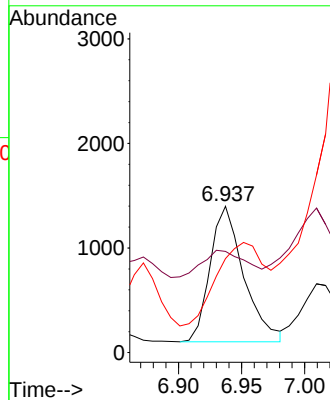
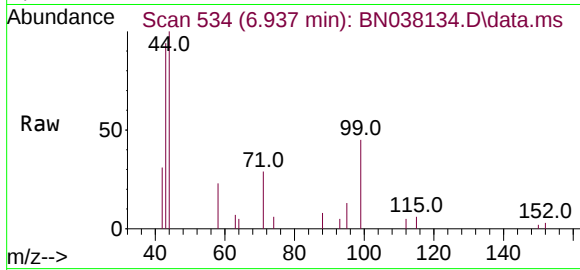




#5
Phenol-d6
Concen: 0.099 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

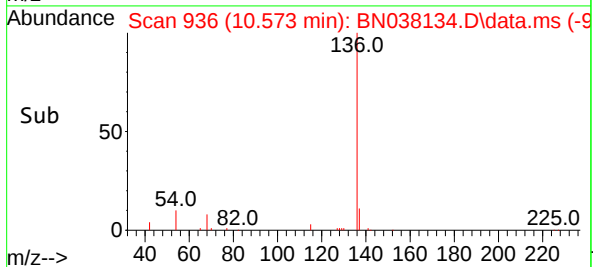
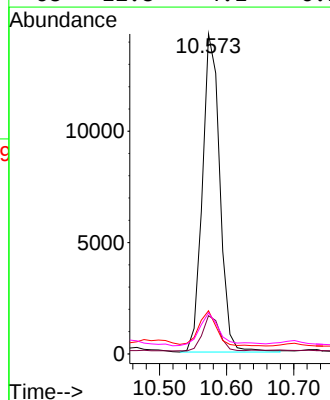
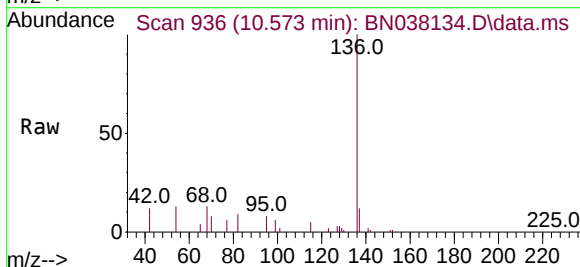
Instrument :
BNA_N
ClientSampleId :
MW3

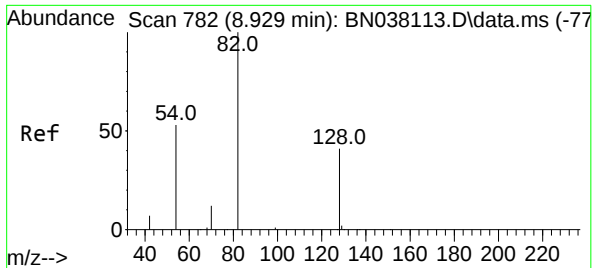
Tgt Ion	99	Ratio	100	Lower	Upper
99	100				
42	25.4		16.6	24.8#	
71	0.0		25.4	38.2#	



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion	136	Ratio	100	Lower	Upper
136	100				
137	11.9		9.0	13.4	
54	13.5		5.2	7.8#	
68	12.8		4.1	6.1#	

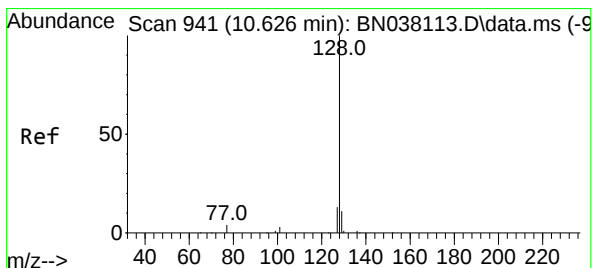
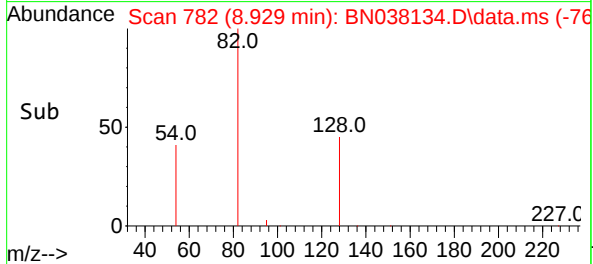
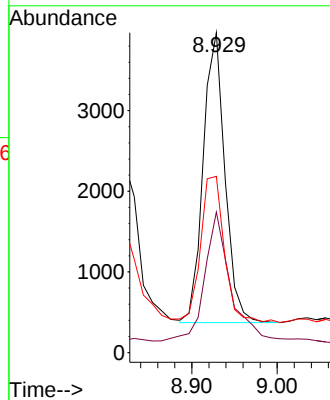
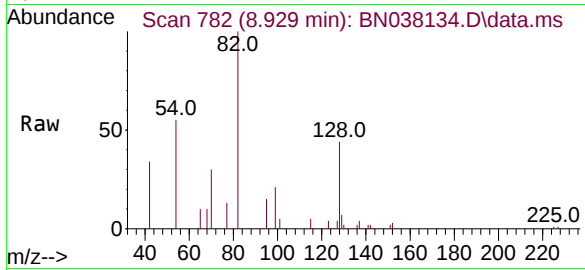




#8
Nitrobenzene-d5
Concen: 0.306 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

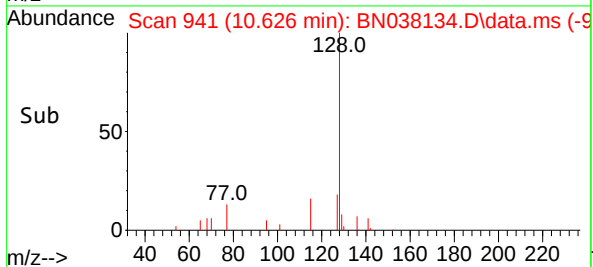
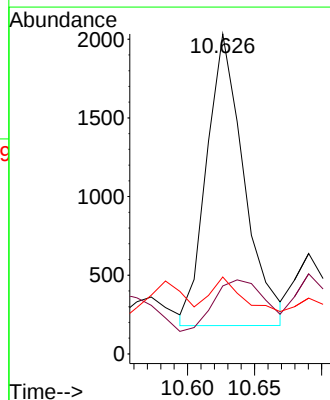
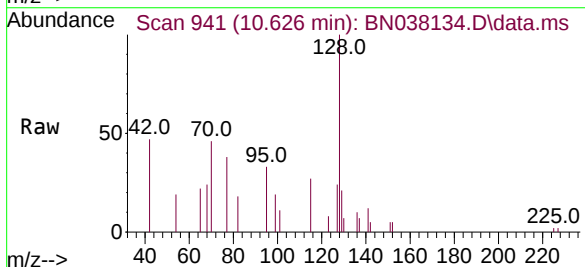
Instrument :
BNA_N
ClientSampleId :
MW3

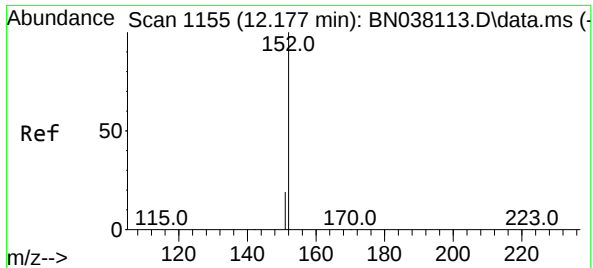
Tgt Ion:	82	Resp:	6360
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.1	51.1
54	55.1	43.5	65.3



#9
Naphthalene
Concen: 0.051 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:	128	Resp:	3594
Ion	Ratio	Lower	Upper
128	100		
129	21.2	9.1	13.7#
127	24.0	10.5	15.7#

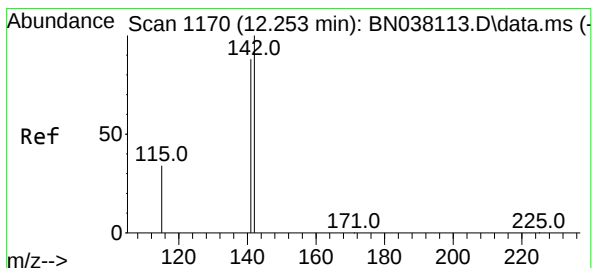
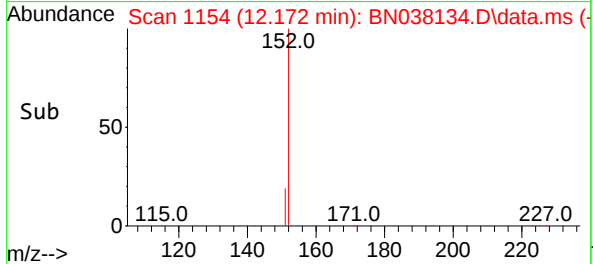
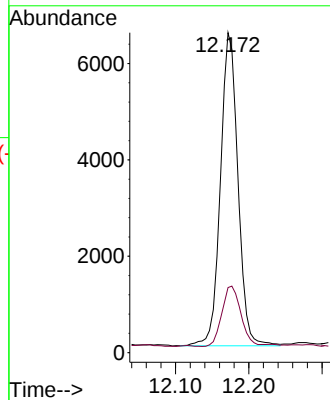
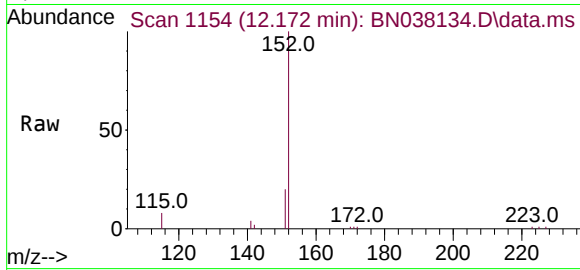




#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

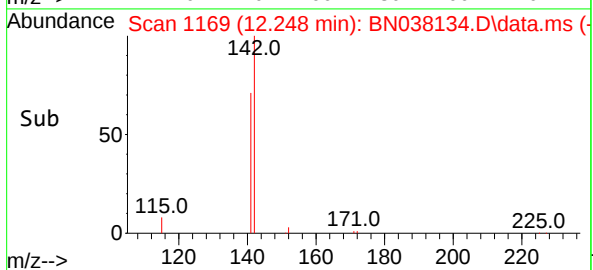
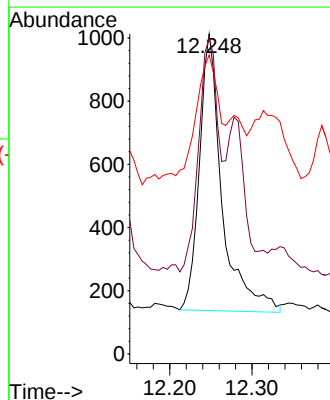
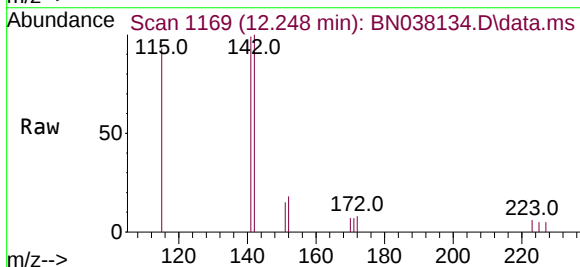
Instrument :
BNA_N
ClientSampleId :
MW3

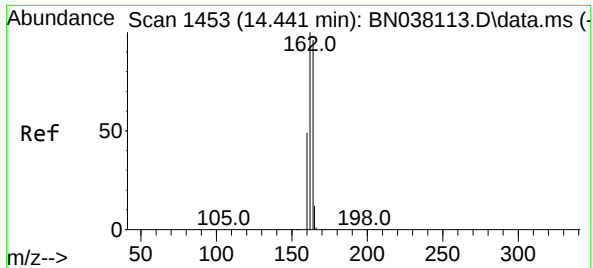
Tgt Ion:152 Resp: 10803
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:142 Resp: 1672
Ion Ratio Lower Upper
142 100
141 98.7 70.3 105.5
115 93.4 27.8 41.6#

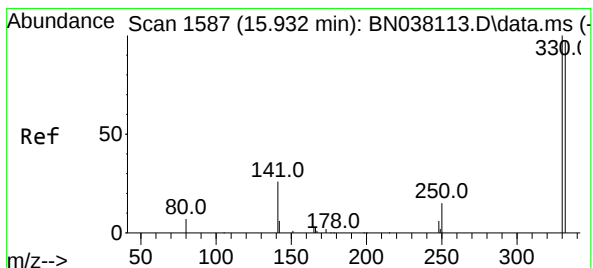
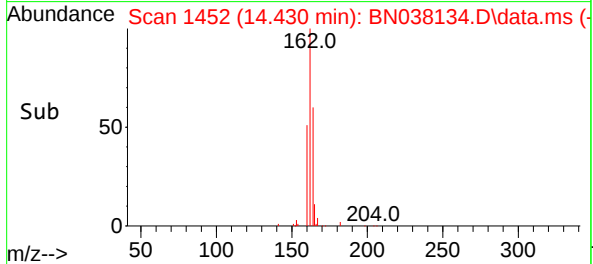
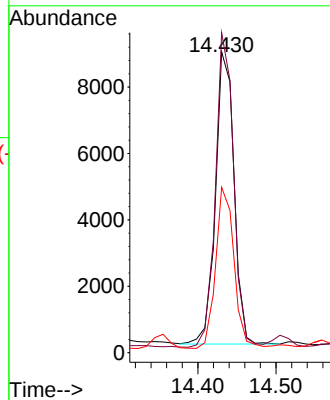
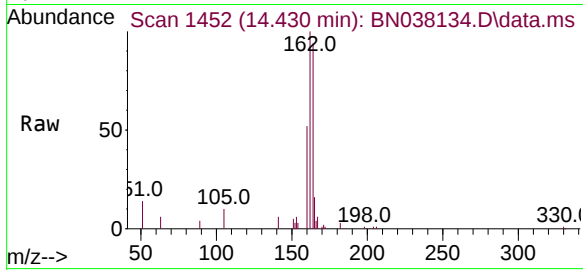




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

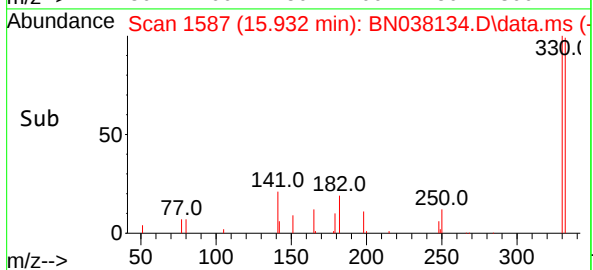
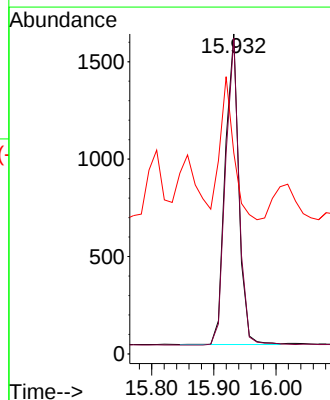
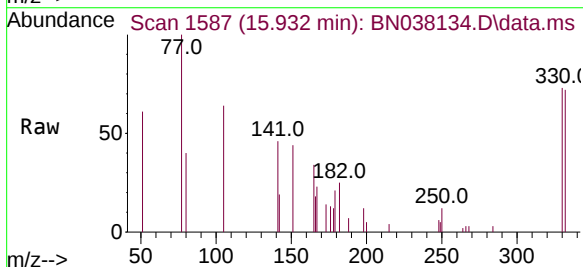
Instrument :
BNA_N
ClientSampleId :
MW3

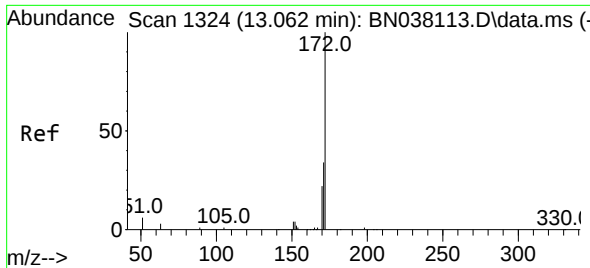
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	83.0	124.4
160	55.0	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 0.408 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.6	114.8
141	45.5	34.1	51.1

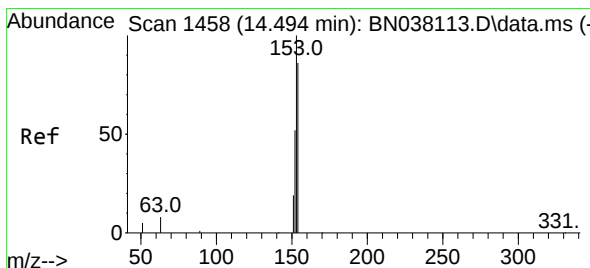
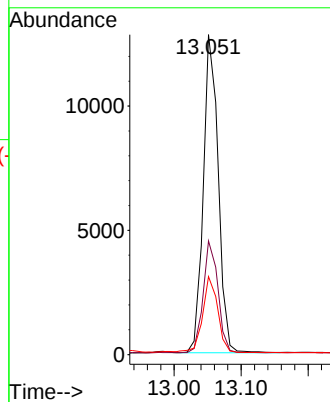
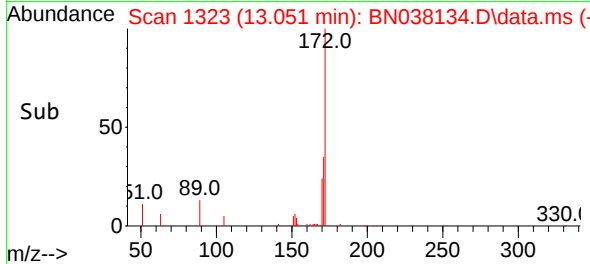
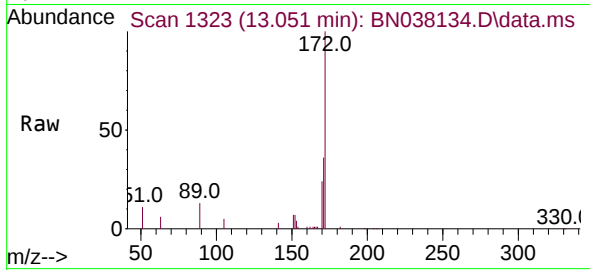




#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

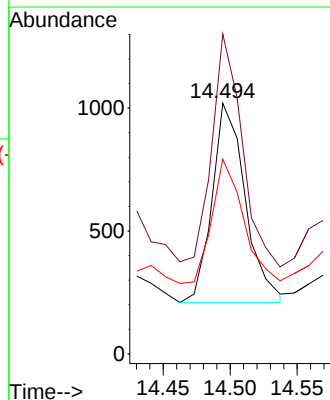
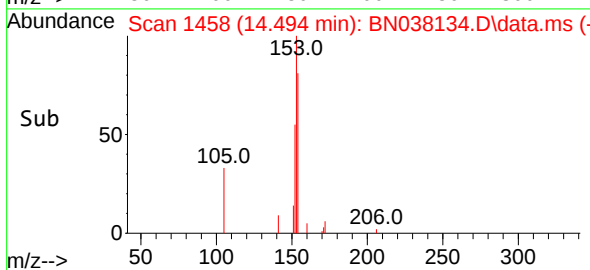
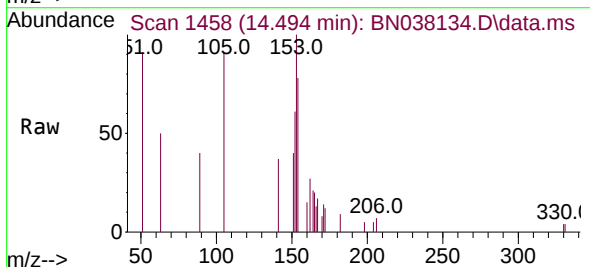
Instrument :
BNA_N
ClientSampleId :
MW3

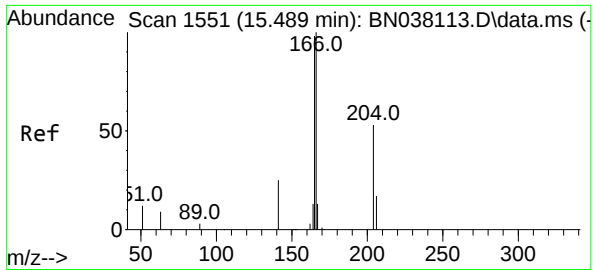
Tgt Ion:	172	Resp:	19834
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.8	41.6
170	24.4	18.1	27.1



#17
Acenaphthene
Concen: 0.030 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:	154	Resp:	1398
Ion Ratio	Lower	Upper	
154	100		
153	108.4	90.0	135.0
152	58.8	47.3	70.9

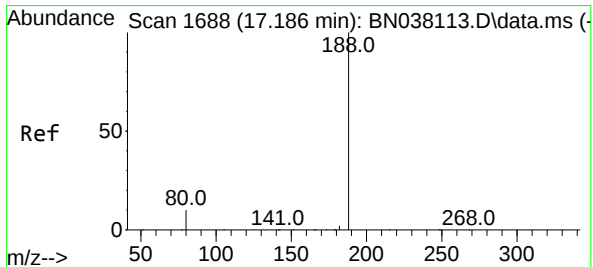
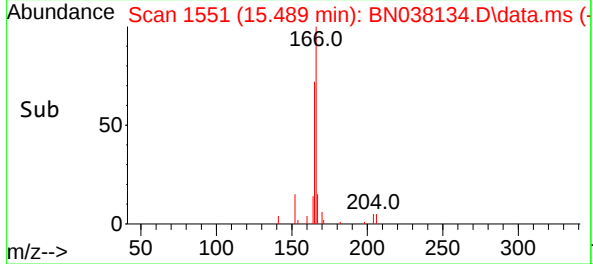
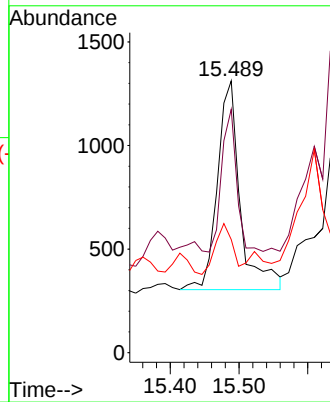
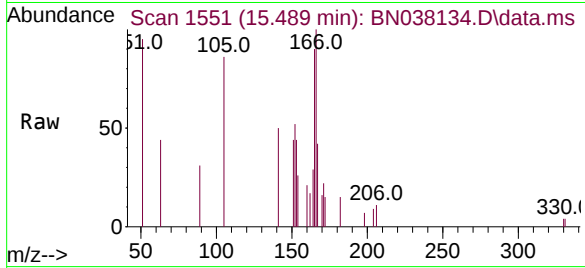




#18
Fluorene
Concen: 0.040 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

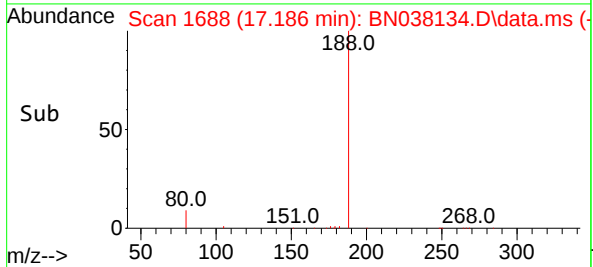
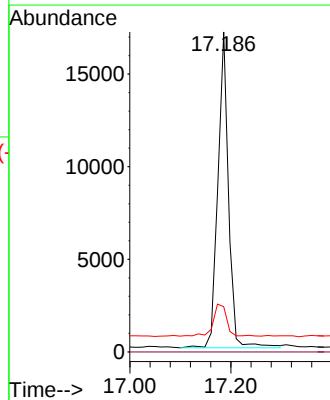
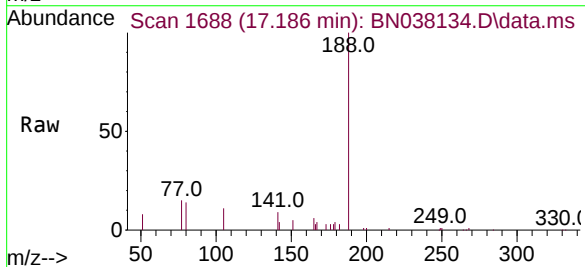
Instrument :
BNA_N
ClientSampleId :
MW3

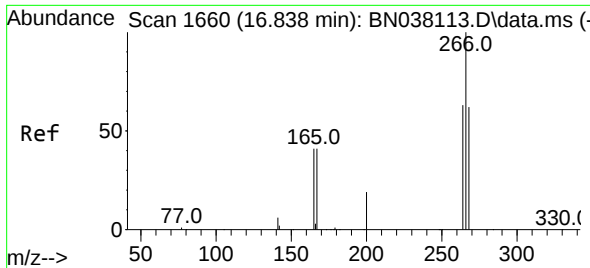
Tgt Ion:166 Resp: 2398
Ion Ratio Lower Upper
166 100
165 47.5 79.0 118.4#
167 19.0 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:188 Resp: 25082
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.1 8.6 13.0#

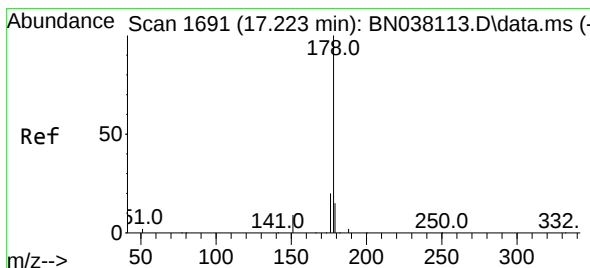
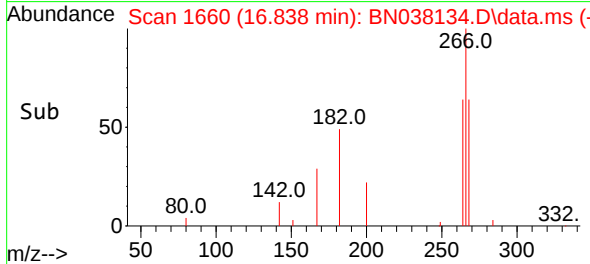
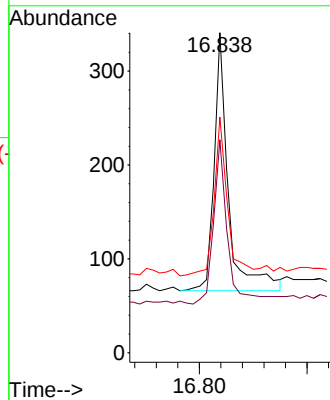
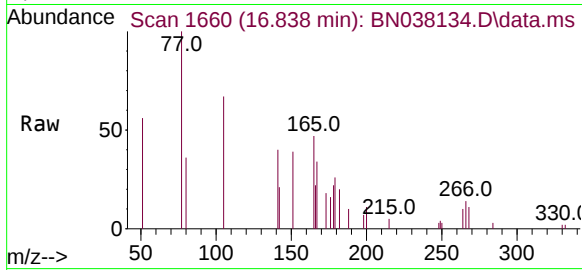




#24
Pentachlorophenol
Concen: 0.063 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

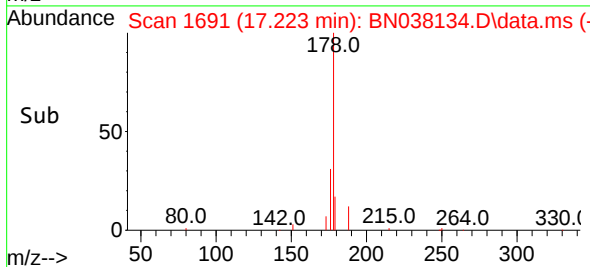
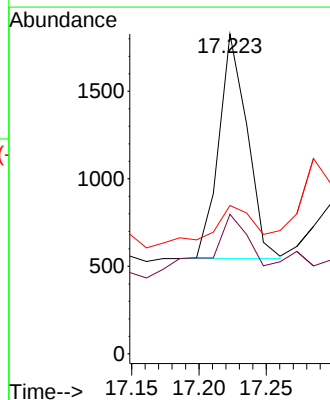
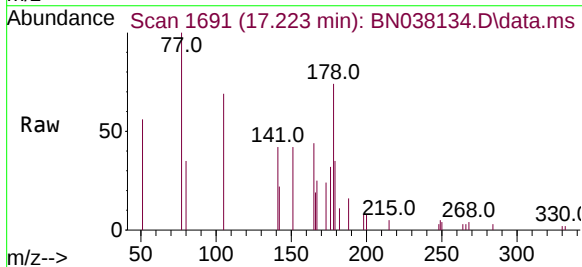
Instrument :
BNA_N
ClientSampleId :
MW3

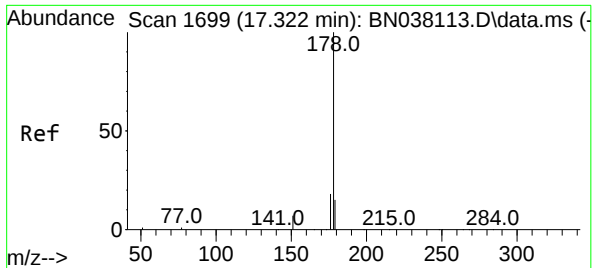
Tgt Ion:	266	Resp:	507
Ion Ratio	Lower	Upper	
266	100		
264	62.1	49.3	73.9
268	56.4	50.6	75.8



#25
Phenanthrene
Concen: 0.024 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:	178	Resp:	1888
Ion Ratio	Lower	Upper	
178	100		
176	45.8	15.5	23.3#
179	23.4	12.2	18.4#

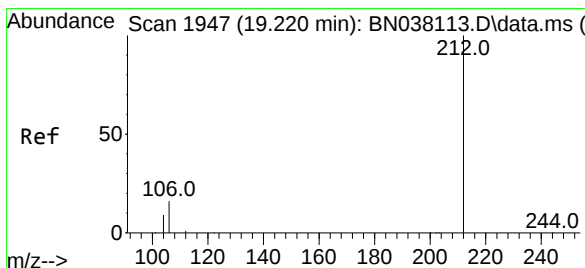
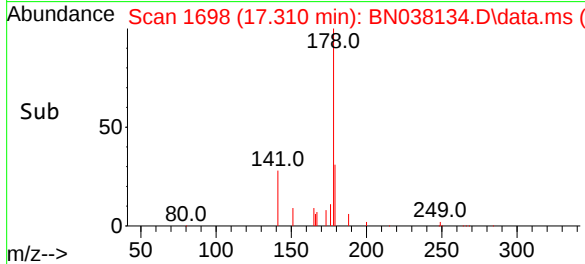
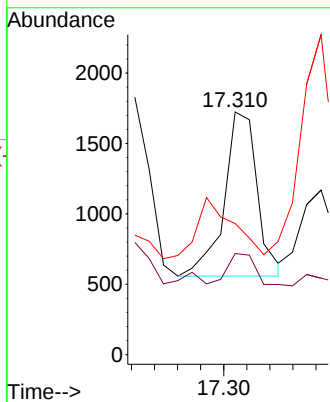
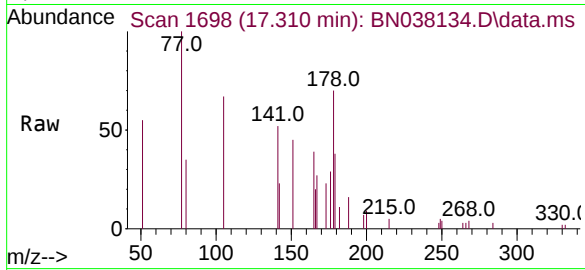




#26
Anthracene
Concen: 0.033 ng
RT: 17.310 min Scan# 1698
Delta R.T. -0.012 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

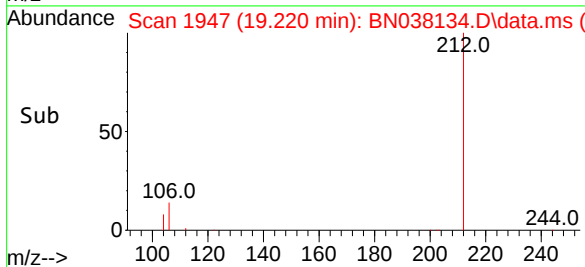
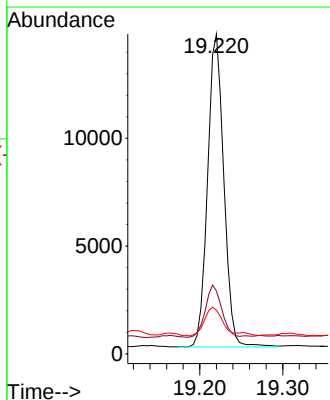
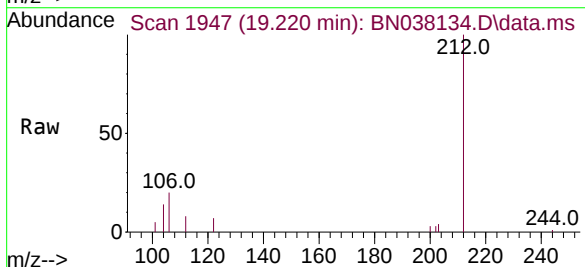
Instrument :
BNA_N
ClientSampleId :
MW3

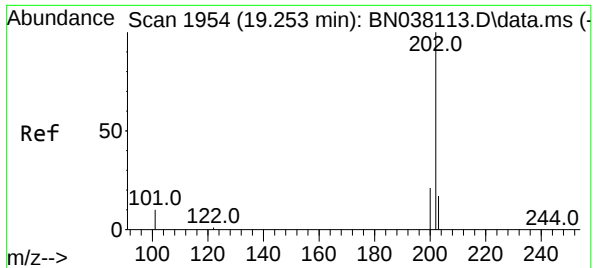
Tgt Ion:178 Resp: 2321
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 0.0 11.8 17.8#



#27
Fluoranthene-d10
Concen: 0.311 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:212 Resp: 19697
Ion Ratio Lower Upper
212 100
106 16.6 12.6 19.0
104 10.6 7.1 10.7

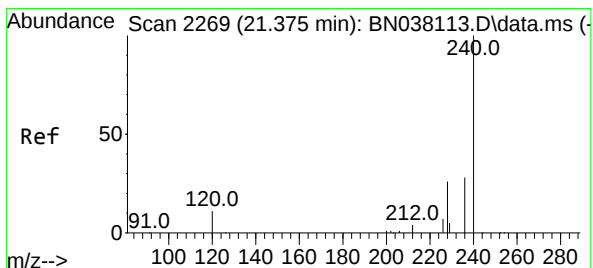
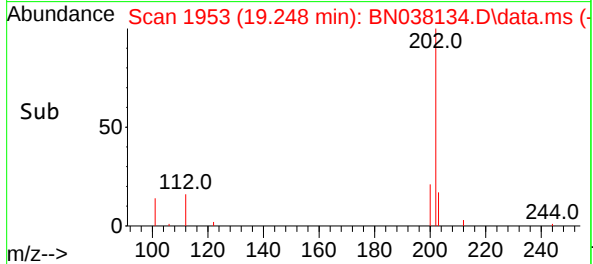
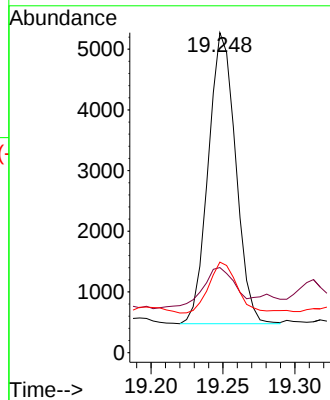
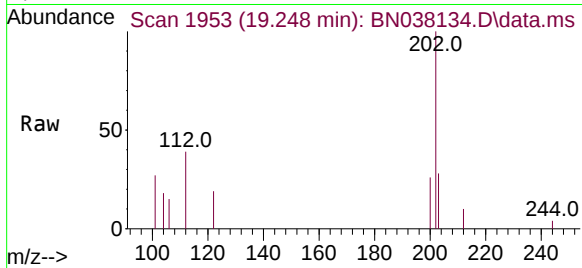




#28
Fluoranthene
Concen: 0.071 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

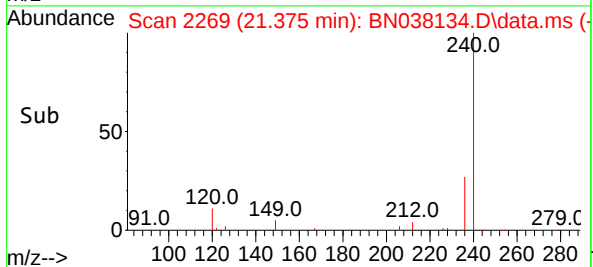
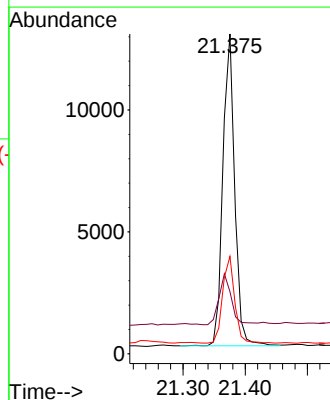
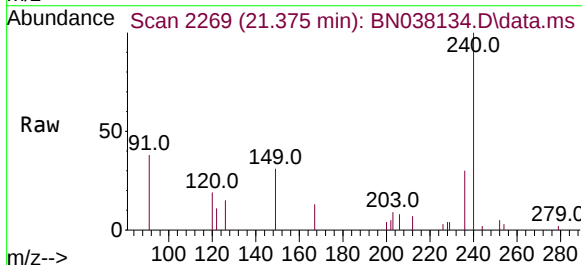
Instrument :
BNA_N
ClientSampleId :
MW3

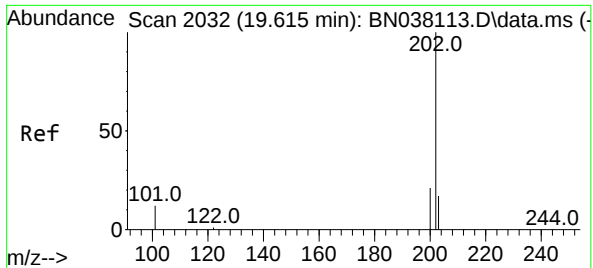
Tgt Ion:202 Resp: 6342
Ion Ratio Lower Upper
202 100
101 16.8 9.4 14.2#
203 18.0 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:240 Resp: 16893
Ion Ratio Lower Upper
240 100
120 19.4 10.7 16.1#
236 30.4 23.1 34.7

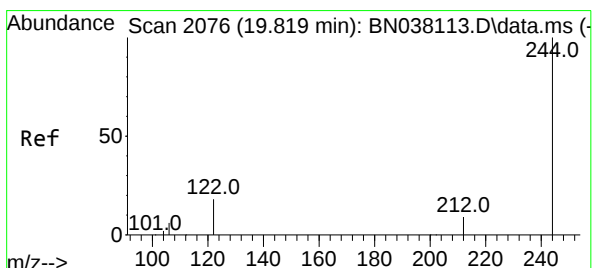
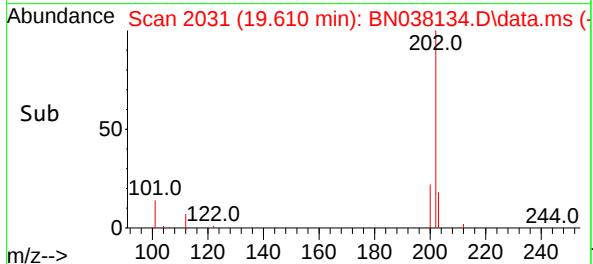
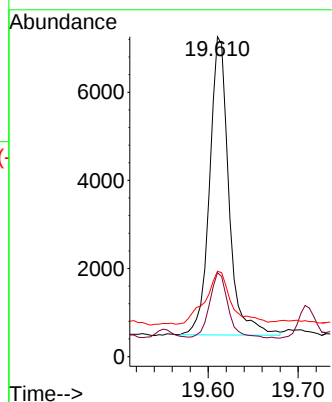
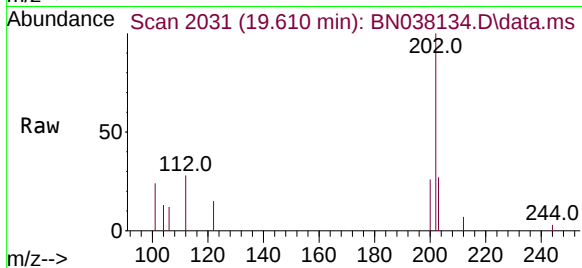




#30
Pyrene
Concen: 0.132 ng
RT: 19.610 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

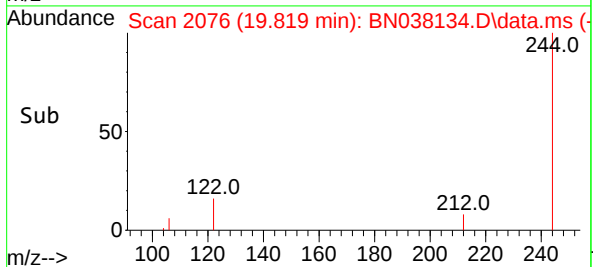
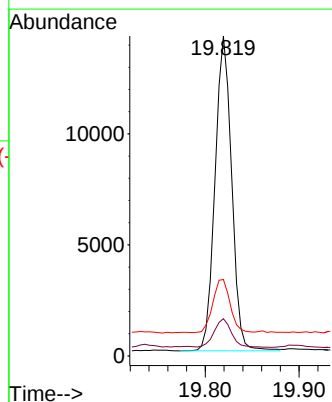
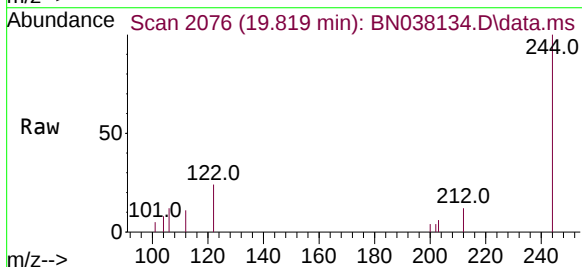
Instrument :
BNA_N
ClientSampleId :
MW3

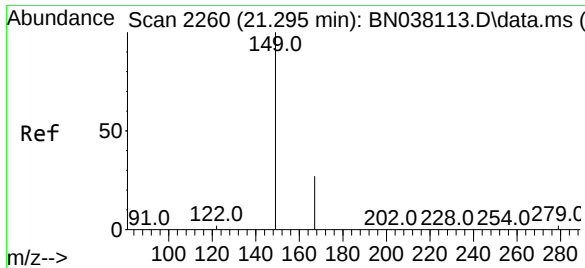
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	24.3	14.2	21.2#



#31
Terphenyl-d14
Concen: 0.476 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.6	7.8	11.6#
122	23.9	15.2	22.8#

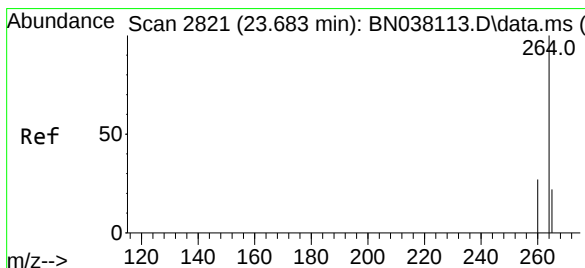
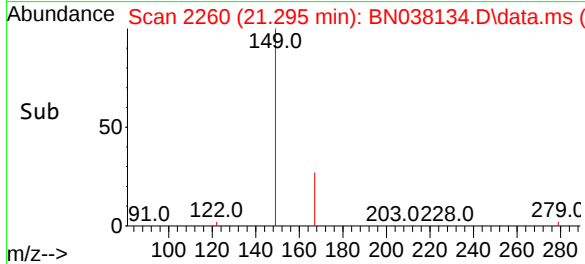
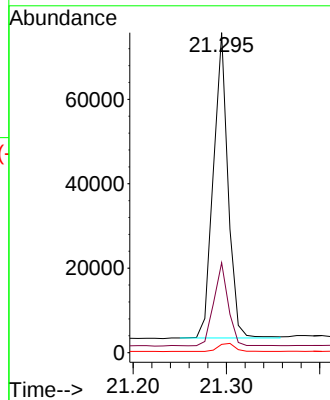
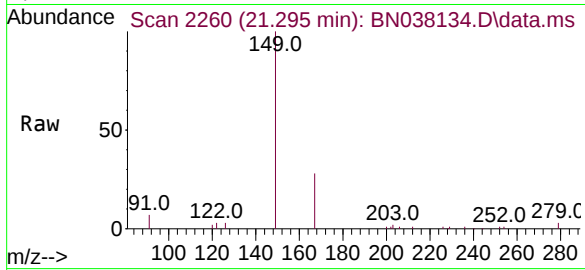




#34
Bis(2-ethylhexyl)phthalate
Concen: 2.494 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

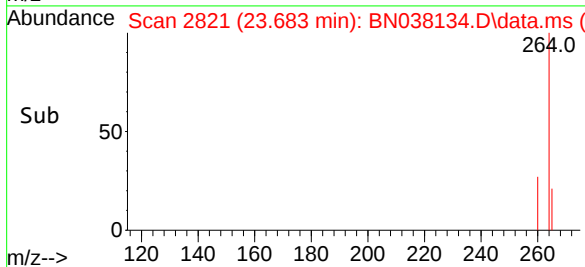
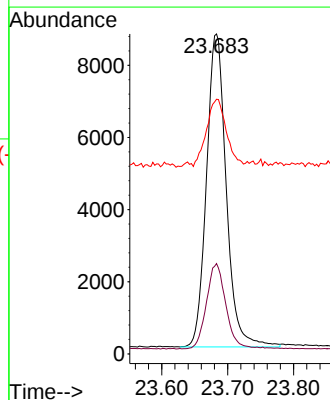
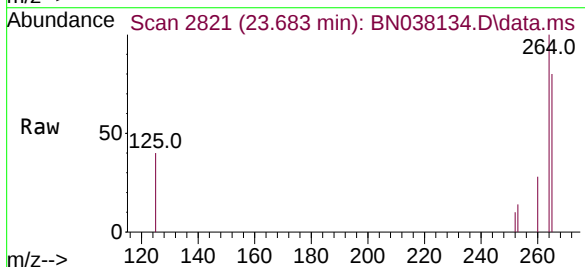
Instrument :
BNA_N
ClientSampleId :
MW3

Tgt Ion:149 Resp: 79159
Ion Ratio Lower Upper
149 100
167 26.6 21.1 31.7
279 3.1 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038134.D
Acq: 04 Nov 2025 13:32

Tgt Ion:264 Resp: 18076
Ion Ratio Lower Upper
264 100
260 28.2 21.8 32.8
265 79.6 68.6 102.8





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: AllianceContract: GENV01Lab Code: ACESDG No.: Q3494Instrument ID: BNA_NCalibration Date(s): 10/28/2025 10/28/2025Calibration Time(s): 13:00 16:38

LAB FILE ID:		RRF0.1 = BN038111.D		RRF0.2 = BN038112.D		RRF0.4 = BN038113.D		
		RRF0.8 = BN038114.D		RRF1.6 = BN038115.D		RRF3.2 = BN038116.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.581	0.569	0.551	0.549	0.586	0.584	0.571	2.7
Fluoranthene-d10	1.040	0.968	0.955	0.981	1.050	1.055	1.008	4.1
2-Fluorophenol	1.066	0.973	0.954	0.908	0.919	0.895	0.943	6.7
Phenol-d6	1.266	1.134	1.134	1.097	1.131	1.137	1.148	4.7
Nitrobenzene-d5	0.403	0.312	0.313	0.301	0.316	0.307	0.323	11.1
2-Fluorobiphenyl	1.794	1.649	1.577	1.570	1.615	1.514	1.602	6.2
2,4,6-Tribromophenol	0.157	0.151	0.149	0.152	0.171	0.182	0.165	10.7
Terphenyl-d14	0.878	0.881	0.872	0.807	0.892	0.862	0.869	3.4
Benzo (a) anthracene	1.491	1.379	1.358	1.363	1.469	1.474	1.427	4.1
Benzo (b) fluoranthene	1.603	1.543	1.630	1.721	1.806	1.839	1.709	6.9
Benzo (k) fluoranthene	1.652	1.590	1.619	1.669	1.831	1.835	1.721	6.6
Benzo (a) pyrene	1.344	1.276	1.316	1.314	1.420	1.451	1.369	5.4
Benzo (g,h,i) perylene	1.402	1.365	1.426	1.432	1.499	1.477	1.444	3.7

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-BN102825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 29 13:09:46 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN038111.D 0.2 =BN038112.D 0.4 =BN038113.D 0.8 =BN038114.D 1.6 =BN038115.D 3.2 =BN038116.D 5 =BN038117.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.446	0.424	0.405	0.416	0.400	0.389	0.413	4.87	
3)	n-Nitrosodimet...	0.528	0.537	0.527	0.547	0.534	0.518	0.532	1.85	
4) S	2-Fluorophenol	1.066	0.973	0.954	0.907	0.918	0.895	0.882	0.942	6.73
5) S	Phenol-d6	1.266	1.134	1.134	1.097	1.131	1.135	1.137	1.148	4.71
6)	bis(2-Chloroet...	1.164	1.140	1.126	1.122	1.148	1.114	1.079	1.128	2.42
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.403	0.312	0.313	0.301	0.316	0.307	0.307	0.323	11.11
9)	Naphthalene	1.139	1.097	1.081	1.080	1.125	1.107	1.084	1.102	2.08
10)	Hexachlorobuta...	0.198	0.187	0.187	0.182	0.188	0.183	0.177	0.186	3.49
11) SURR2	Methylnaphth...	0.581	0.569	0.551	0.549	0.586	0.584	0.579	0.571	2.69
12)	2-Methylnaphth...	0.765	0.712	0.709	0.713	0.757	0.749	0.738	0.735	3.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.156	0.151	0.149	0.152	0.171	0.182	0.194	0.165	10.70
15) S	2-Fluorobiphenyl	1.794	1.649	1.577	1.570	1.615	1.514	1.495	1.602	6.24
16)	Acenaphthylene	1.768	1.728	1.711	1.764	1.891	1.912	1.908	1.811	4.88
17)	Acenaphthene	1.260	1.242	1.211	1.234	1.318	1.310	1.297	1.267	3.25
18)	Fluorene	1.549	1.618	1.596	1.635	1.768	1.731	1.729	1.661	4.93
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.041	0.045	0.051	0.064	0.073		0.055	24.55	
21)	4-Bromophenyl-...	0.260	0.251	0.250	0.256	0.274	0.271	0.275	0.262	4.06
22)	Hexachlorobenzene	0.304	0.292	0.298	0.293	0.306	0.297	0.298	0.298	1.76
23)	Atrazine	0.190	0.176	0.176	0.179	0.203	0.209	0.211	0.192	8.19
24)	Pentachlorophenol	0.112	0.108	0.113	0.132	0.146	0.159	0.128	16.16	
25)	Phenanthrene	1.281	1.231	1.224	1.236	1.327	1.293	1.298	1.270	3.12
26)	Anthracene	1.076	1.029	1.047	1.057	1.182	1.183	1.202	1.111	6.72
27) SURR	Fluoranthene-d10	1.040	0.969	0.957	0.981	1.050	1.055	1.009	1.009	4.01
28)	Fluoranthene	1.448	1.349	1.345	1.394	1.492	1.491	1.414	1.419	4.30
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.834	1.853	1.842	1.664	1.835	1.766	1.846	1.806	3.82
31) S	Terphenyl-d14	0.878	0.881	0.872	0.807	0.892	0.862	0.891	0.869	3.37
32)	Benzo(a)anthra...	1.491	1.379	1.358	1.363	1.469	1.474	1.456	1.427	4.06
33)	Chrysene	1.623	1.586	1.543	1.523	1.558	1.518	1.490	1.549	2.91
34)	Bis(2-ethylhex...	0.910	0.722	0.700	0.721	0.754	0.703	0.752	10.60	
35) I	Perylene-d12	-----ISTD-----								

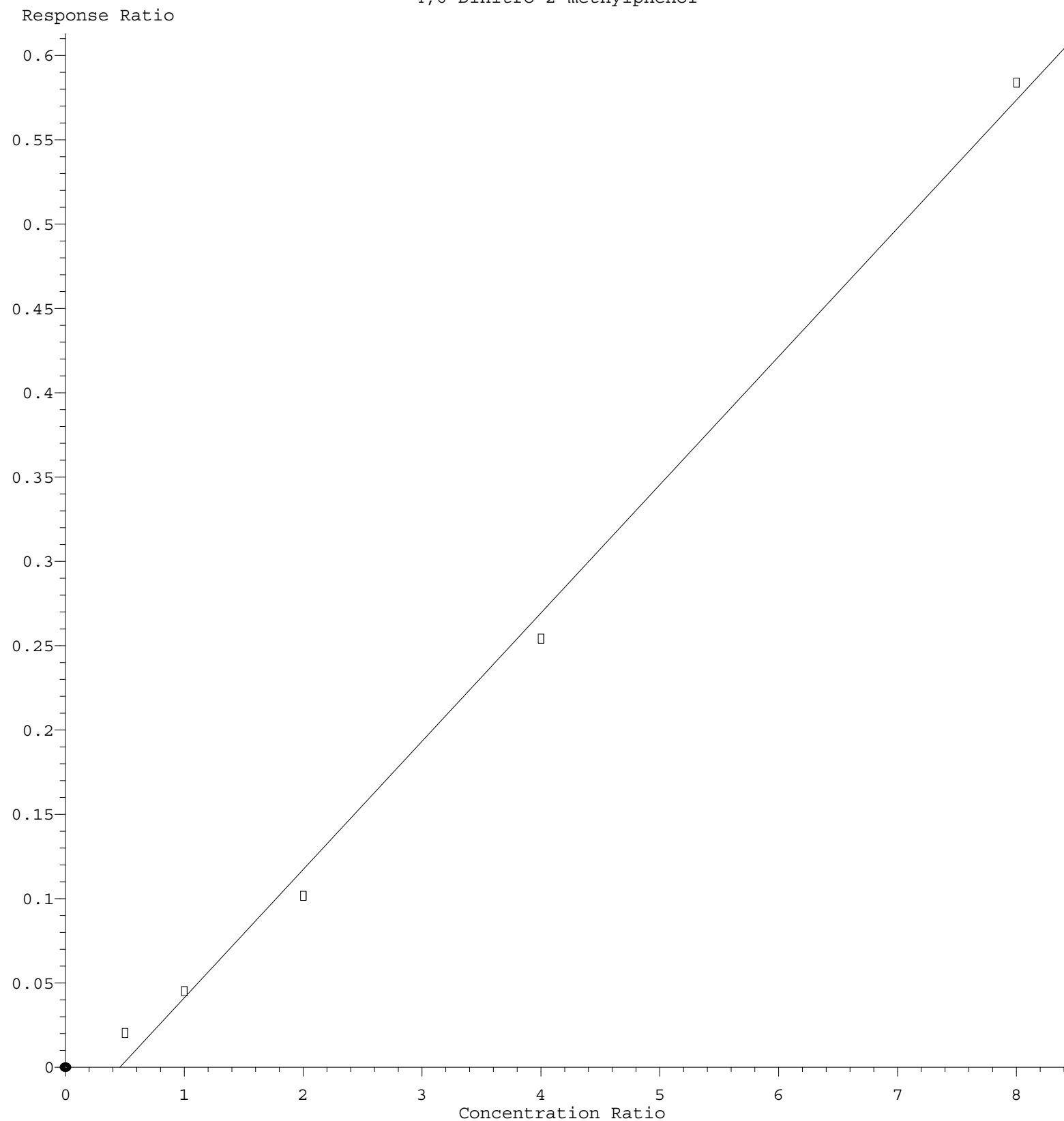
Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN102825.M

36)	Indeno(1,2,3-c...	1.521	1.512	1.604	1.620	1.730	1.739	1.778	1.643	6.53
37)	Benzo(b)fluora...	1.603	1.543	1.630	1.729	1.806	1.839	1.822	1.710	6.94
38)	Benzo(k)fluora...	1.652	1.590	1.619	1.669	1.831	1.835	1.855	1.721	6.62
39) C	Benzo(a)pyrene	1.344	1.276	1.316	1.314	1.420	1.451	1.462	1.369	5.44
40)	Dibenzo(a,h)an...	1.149	1.150	1.196	1.240	1.352	1.363	1.402	1.265	8.42
41)	Benzo(g,h,i)pe...	1.402	1.365	1.426	1.432	1.499	1.477	1.509	1.444	3.66

(#) = Out of Range

4,6-Dinitro-2-methylphenol



Response = $7.609 \times 10^{-2} \times \text{Amt} - 3.487 \times 10^{-2}$
 Coef of Det (r^2) = 0.995885 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN102825.M
 Calibration Table Last Updated: Wed Oct 29 13:09:46 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038111.D
 Acq On : 28 Oct 2025 13:00
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Oct 28 17:31:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

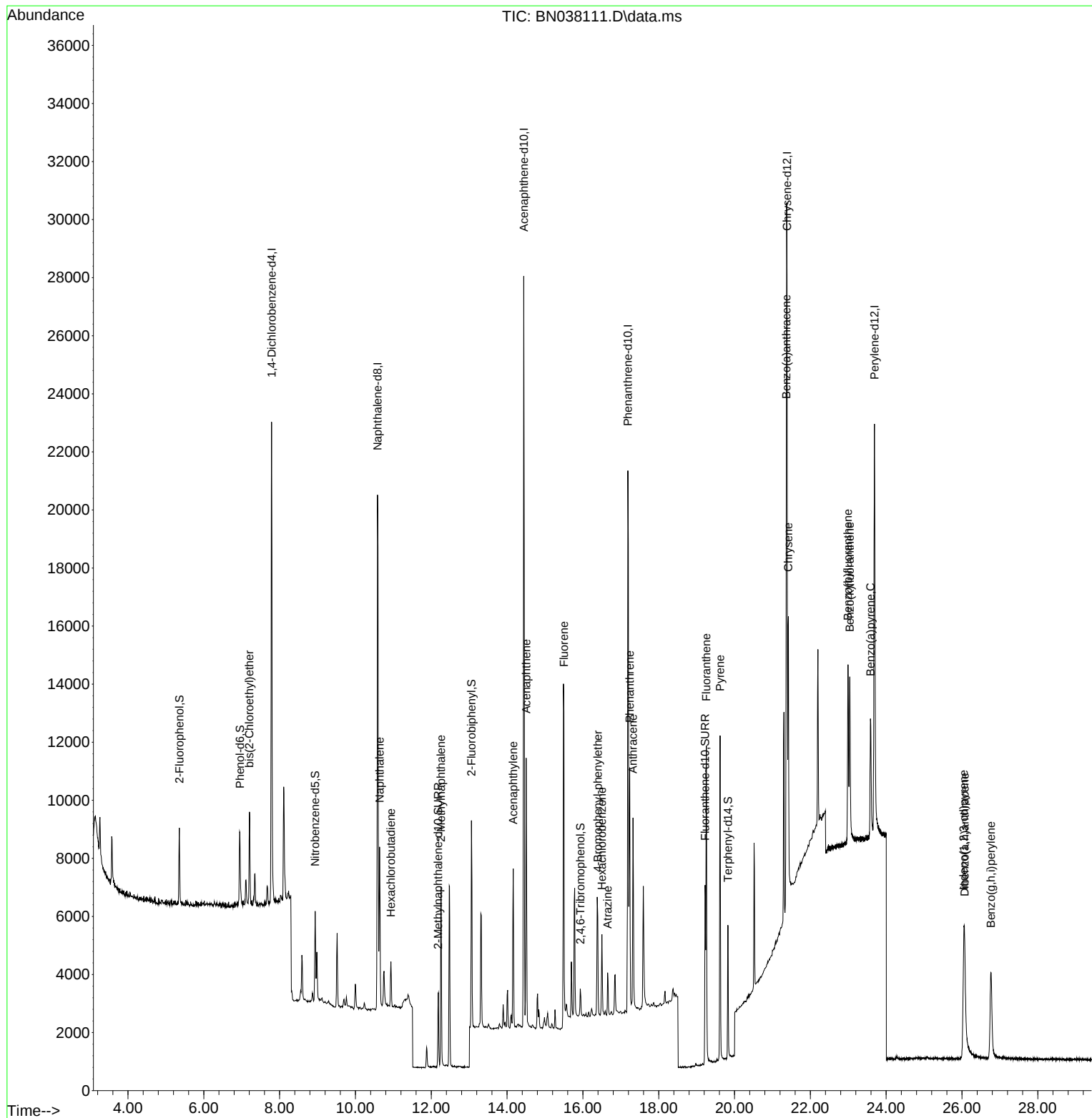
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	8239	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	24762	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	14233	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28114	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	22622	0.400	ng	0.00
35) Perylene-d12	23.692	264	20615	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	2196	0.113	ng	0.00
5) Phenol-d6	6.952	99	2608	0.110	ng	0.01
8) Nitrobenzene-d5	8.939	82	2497	0.125	ng	0.01
11) 2-Methylnaphthalene-d10	12.182	152	3595	0.102	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	558	0.095	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	6383	0.112	ng	0.01
27) Fluoranthene-d10	19.225	212	7307	0.103	ng	0.00
31) Terphenyl-d14	19.829	244	4967	0.101	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.204	93	2398	0.103	ng	95
9) Naphthalene	10.637	128	7049	0.103	ng	95
10) Hexachlorobutadiene	10.936	225	1223	0.106	ng	# 98
12) 2-Methylnaphthalene	12.258	142	4736	0.104	ng	96
16) Acenaphthylene	14.163	152	6290	0.098	ng	100
17) Acenaphthene	14.505	154	4482	0.099	ng	98
18) Fluorene	15.499	166	5513	0.093	ng	97
21) 4-Bromophenyl-phenylether	16.391	248	1824	0.099	ng	# 82
22) Hexachlorobenzene	16.503	284	2137	0.102	ng	98
23) Atrazine	16.652	200	1338	0.099	ng	# 90
25) Phenanthrene	17.236	178	9006	0.101	ng	99
26) Anthracene	17.322	178	7562	0.097	ng	98
28) Fluoranthene	19.257	202	10174	0.102	ng	99
30) Pyrene	19.620	202	10370	0.102	ng	99
32) Benzo(a)anthracene	21.367	228	8433	0.104	ng	99
33) Chrysene	21.420	228	9181	0.105	ng	98
36) Indeno(1,2,3-cd)pyrene	26.048	276	7839	0.093	ng	98
37) Benzo(b)fluoranthene	22.993	252	8261	0.094	ng	# 67
38) Benzo(k)fluoranthene	23.040	252	8515	0.096	ng	# 67
39) Benzo(a)pyrene	23.590	252	6927	0.098	ng	# 58
40) Dibenzo(a,h)anthracene	26.072	278	5922	0.091	ng	# 71
41) Benzo(g,h,i)perylene	26.765	276	7227	0.097	ng	# 88

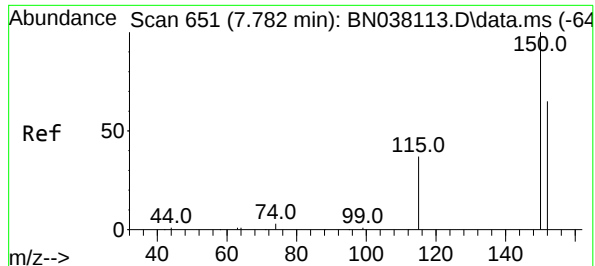
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038111.D
Acq On : 28 Oct 2025 13:00
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Oct 28 17:31:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration

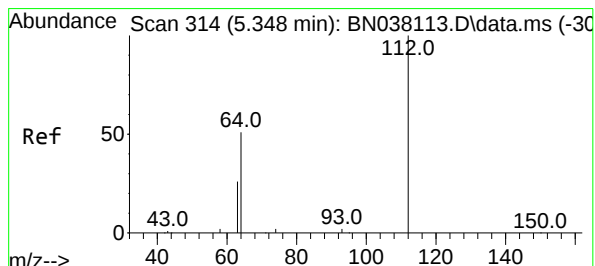
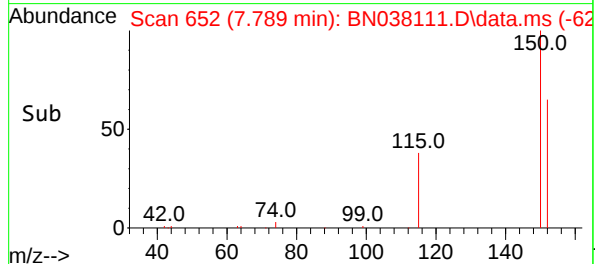
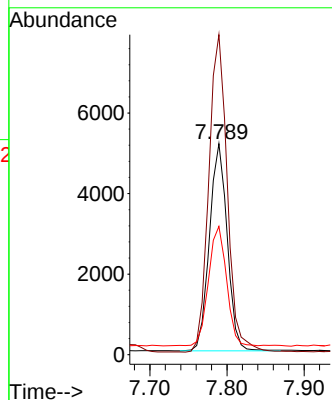
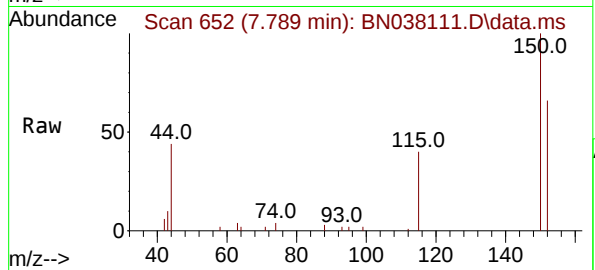




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

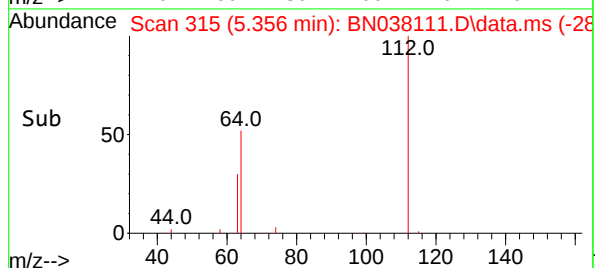
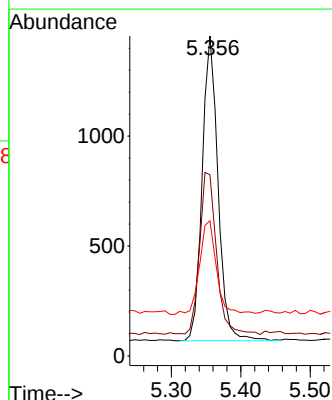
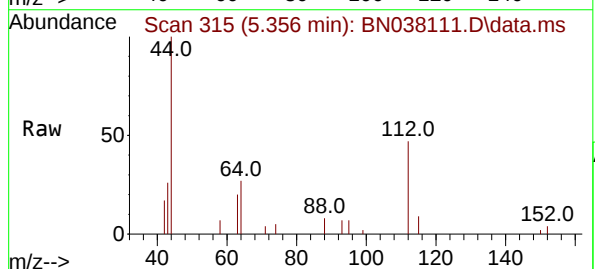
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

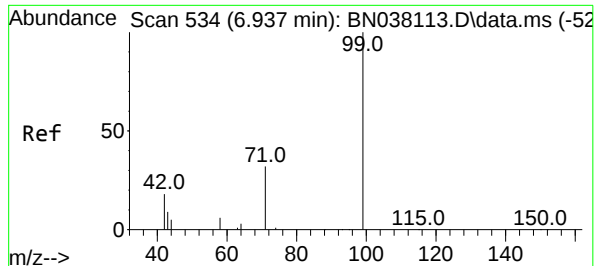
Tgt Ion:152 Resp: 8239
Ion Ratio Lower Upper
152 100
150 151.7 122.3 183.5
115 60.8 47.4 71.0



#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.356 min Scan# 315
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:112 Resp: 2196
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.0
63 32.8 23.2 34.8

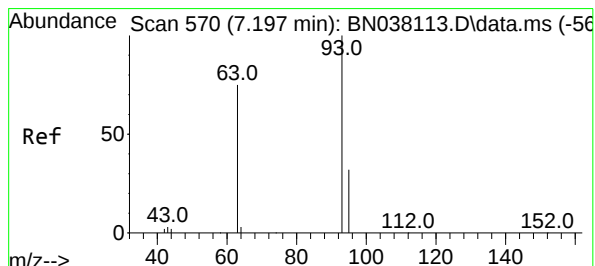
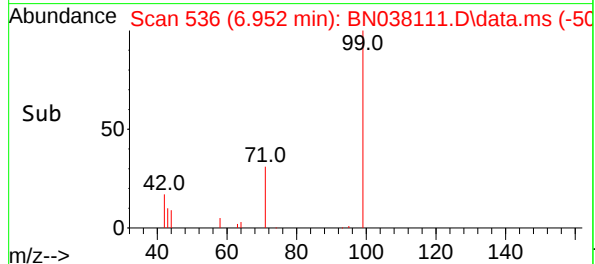
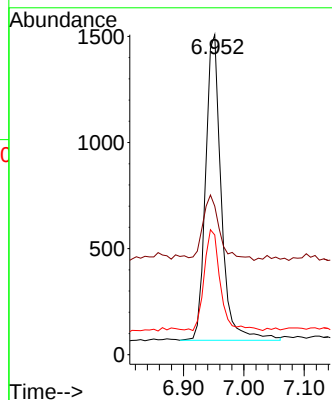
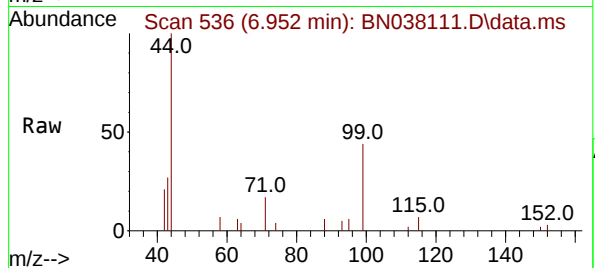




#5
Phenol-d6
Concen: 0.110 ng
RT: 6.952 min Scan# 51
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

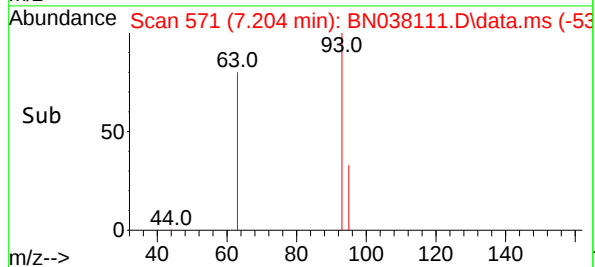
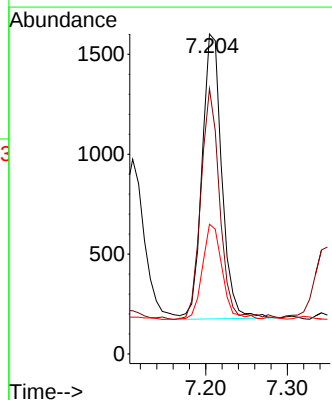
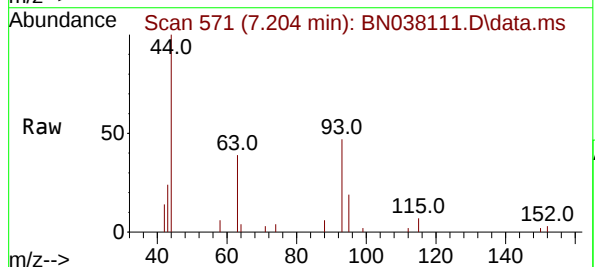
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

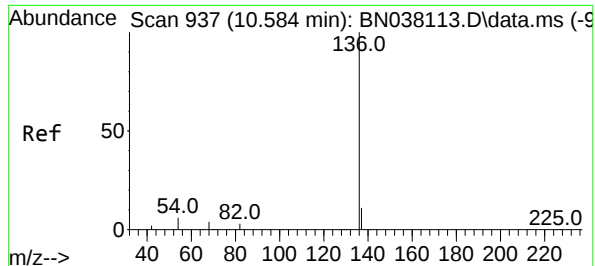
Tgt Ion: 99 Resp: 2608
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 34.0 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.103 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion: 93 Resp: 2398
Ion Ratio Lower Upper
93 100
63 78.2 59.3 88.9
95 34.1 25.2 37.8

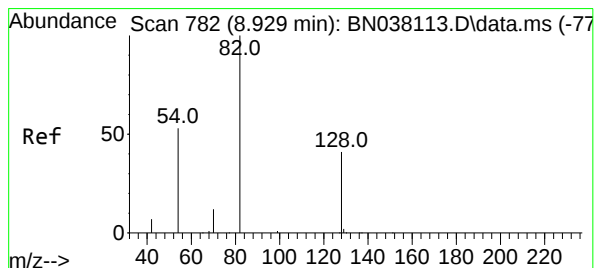
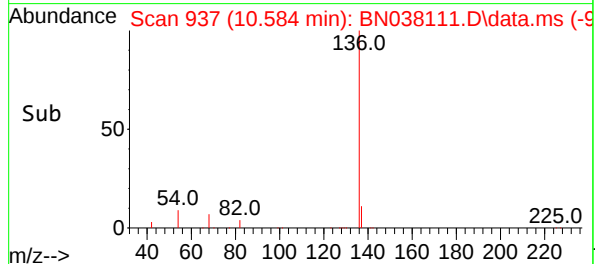
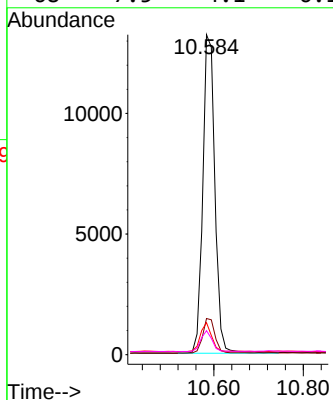
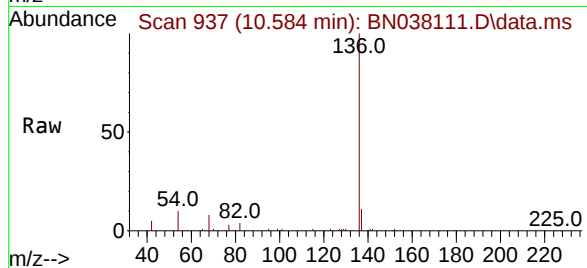




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

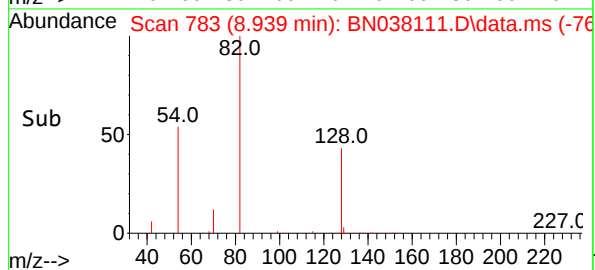
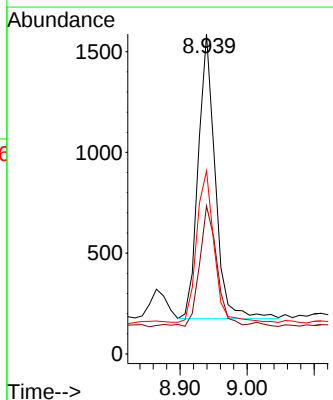
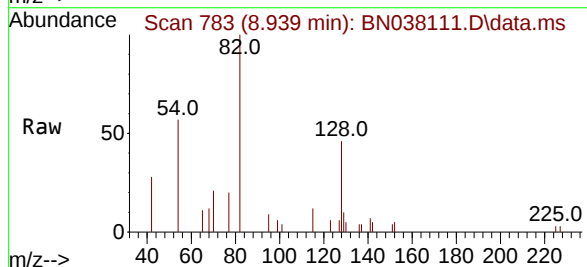
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

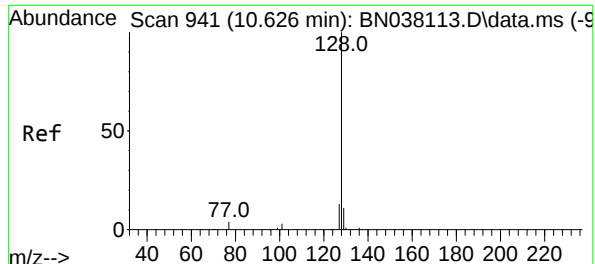
Tgt Ion:136 Resp: 24762
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 10.0 5.2 7.8#
68 7.5 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.125 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion: 82 Resp: 2497
Ion Ratio Lower Upper
82 100
128 46.2 34.1 51.1
54 57.2 43.5 65.3

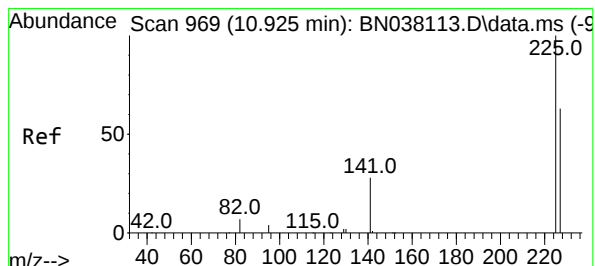
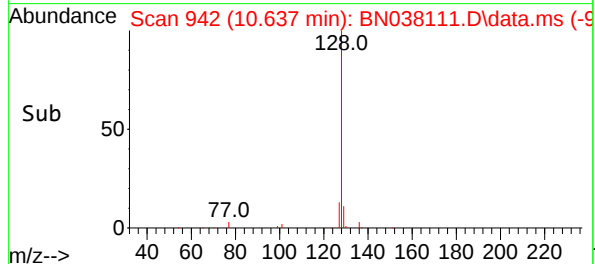
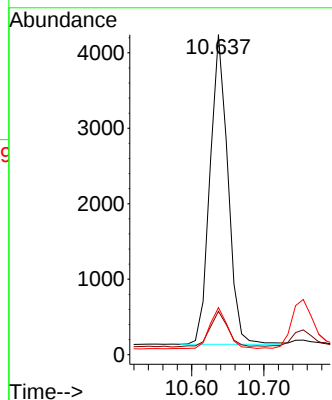
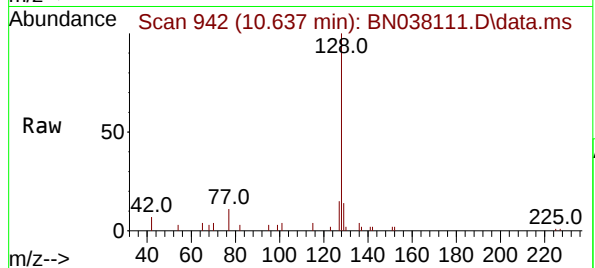




#9
Naphthalene
Concen: 0.103 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

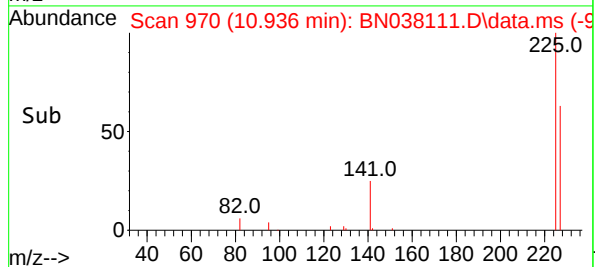
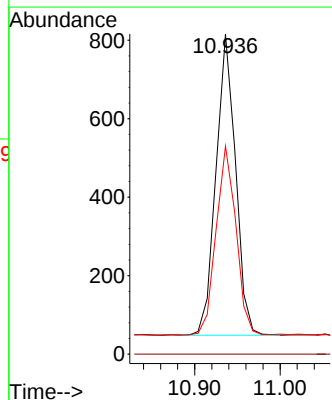
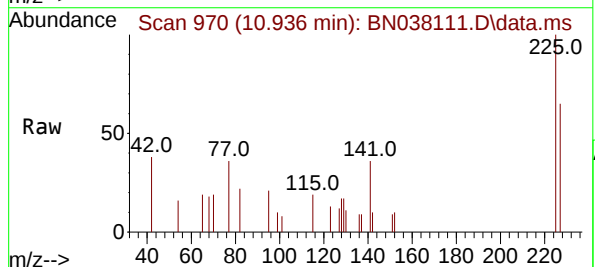
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

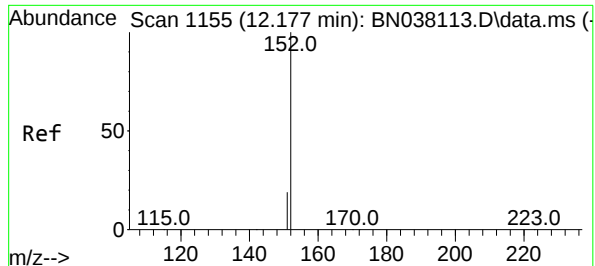
Tgt Ion:128 Resp: 7049
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 14.7 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.106 ng
RT: 10.936 min Scan# 970
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:225 Resp: 1223
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 50.3 75.5

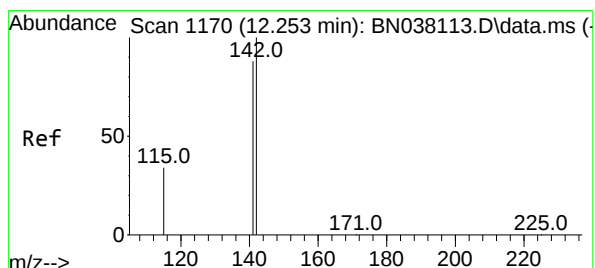
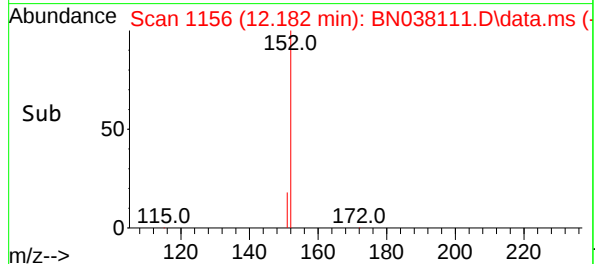
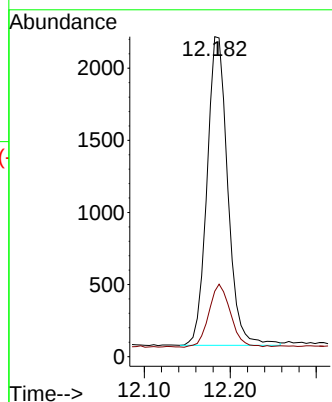
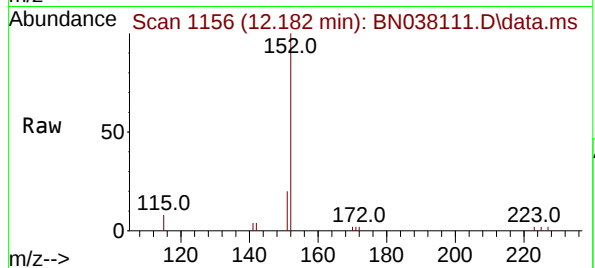




#11
2-Methylnaphthalene-d10
Concen: 0.102 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

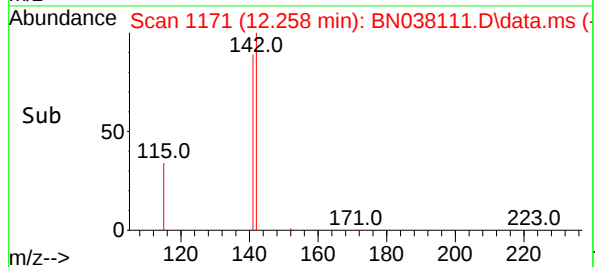
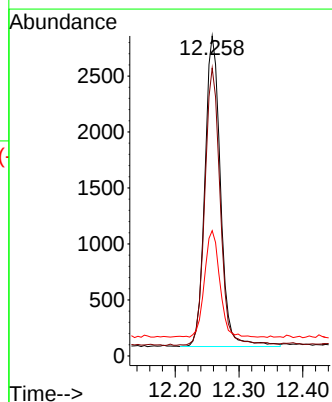
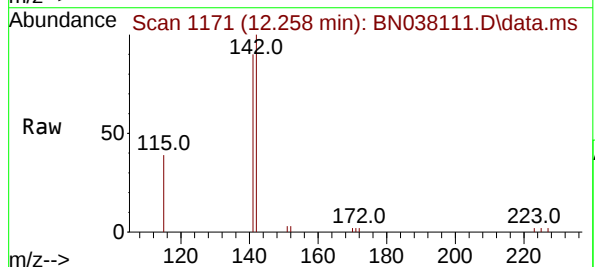
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

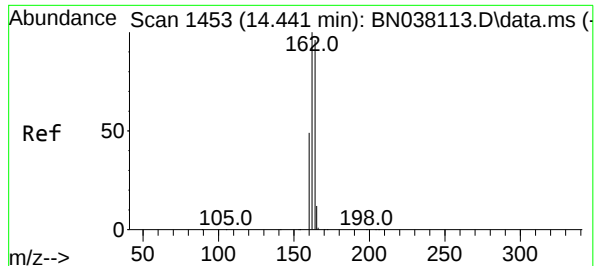
Tgt Ion:152 Resp: 3595
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.104 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:142 Resp: 4736
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 39.2 27.8 41.6

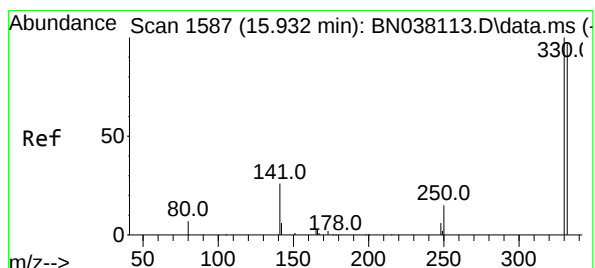
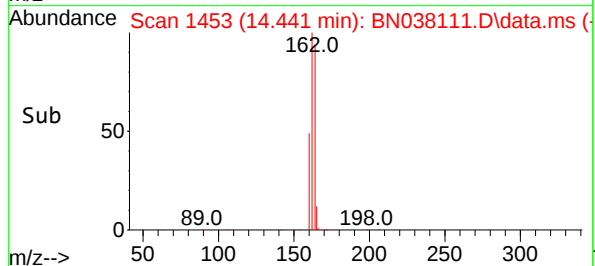
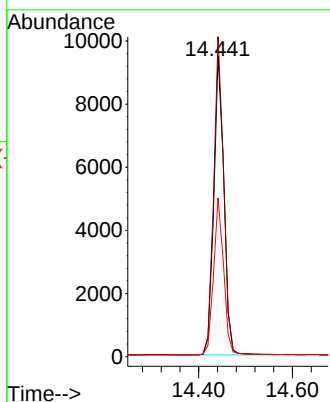
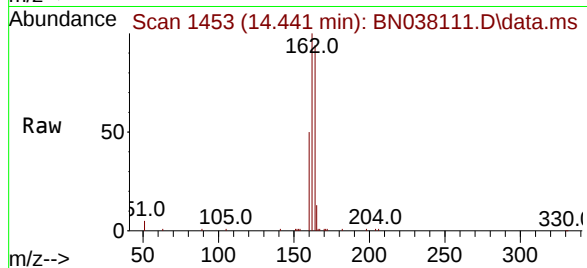




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

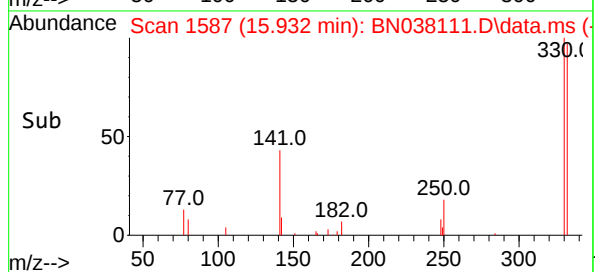
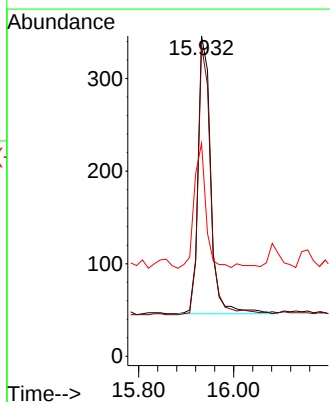
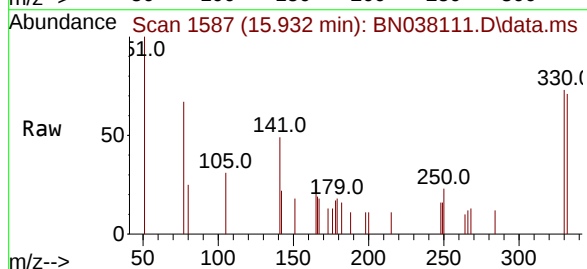
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

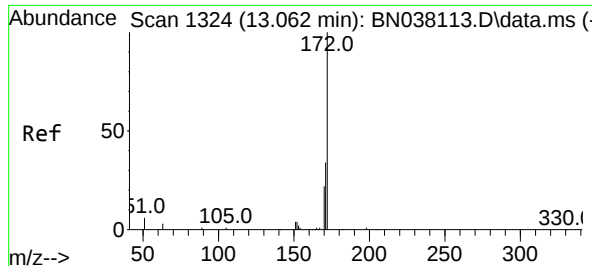
Tgt Ion:164 Resp: 14233
Ion Ratio Lower Upper
164 100
162 106.3 83.0 124.4
160 52.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:330 Resp: 558
Ion Ratio Lower Upper
330 100
332 95.9 76.6 114.8
141 41.0 34.1 51.1





#15

2-Fluorobiphenyl

Concen: 0.112 ng

RT: 13.062 min Scan# 1324

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

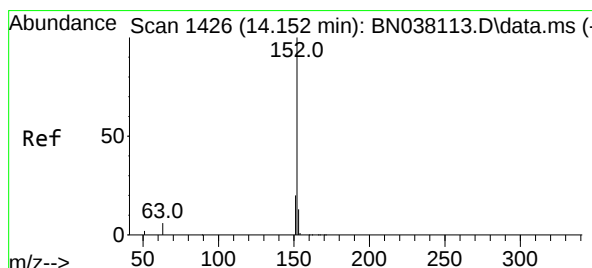
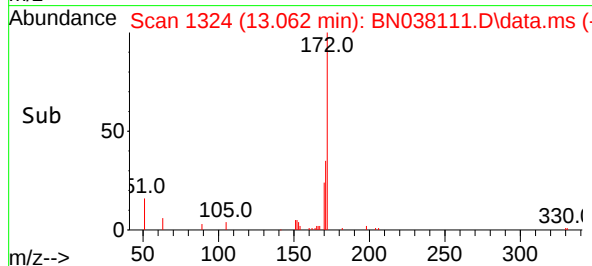
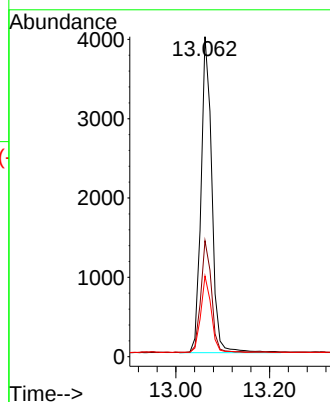
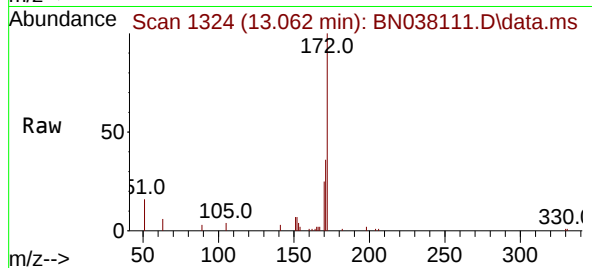
Tgt Ion:172 Resp: 6383

Ion Ratio Lower Upper

172 100

171 36.2 27.8 41.6

170 25.2 18.1 27.1



#16

Acenaphthylene

Concen: 0.098 ng

RT: 14.163 min Scan# 1427

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

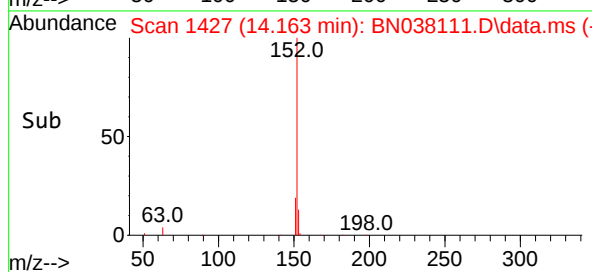
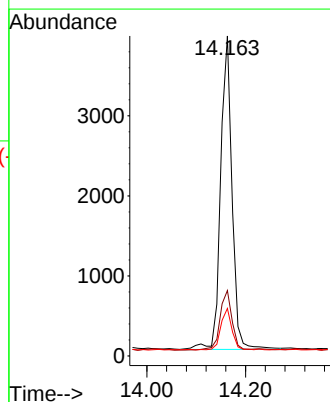
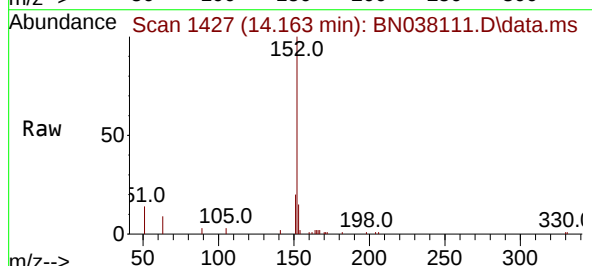
Tgt Ion:152 Resp: 6290

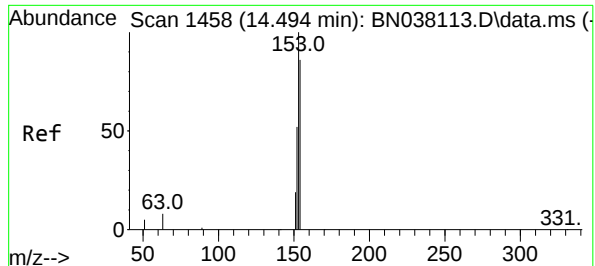
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 12.9 10.2 15.2

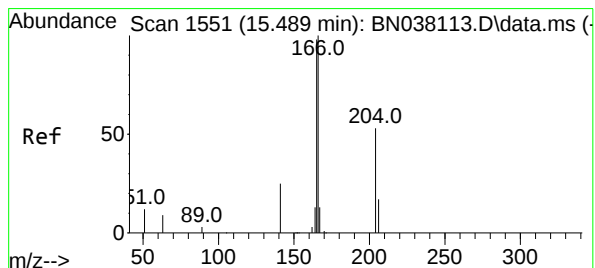
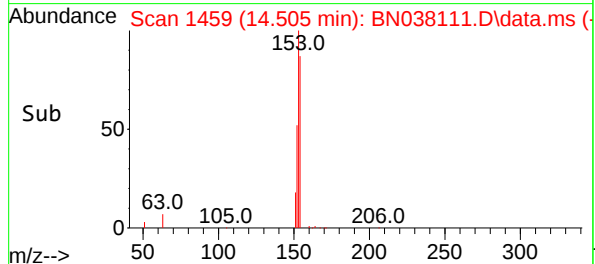
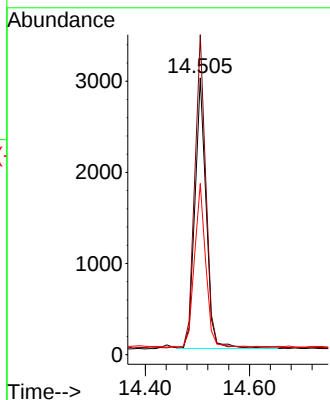
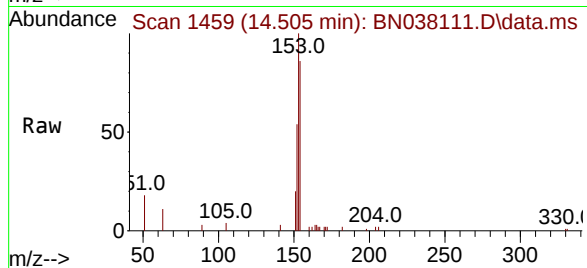




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

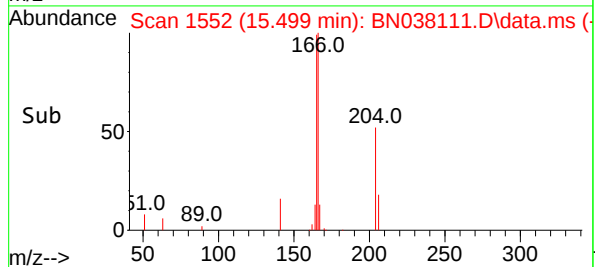
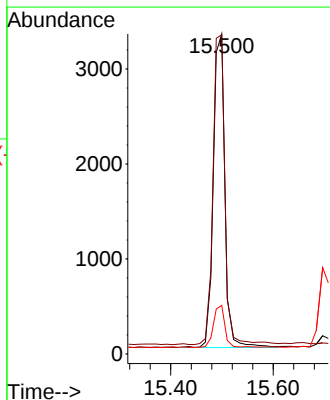
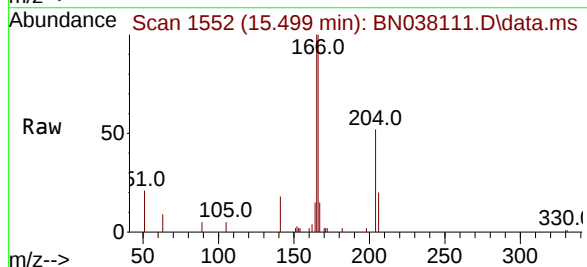
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

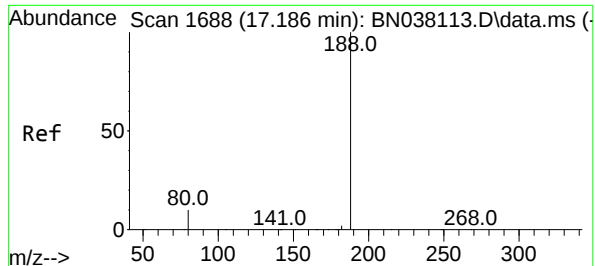
Tgt Ion:154 Resp: 4482
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 60.7 47.3 70.9



#18
Fluorene
Concen: 0.093 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:166 Resp: 5513
Ion Ratio Lower Upper
166 100
165 102.4 79.0 118.4
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

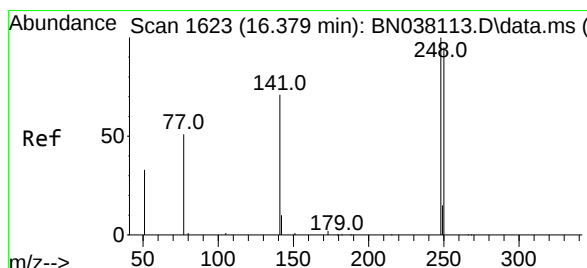
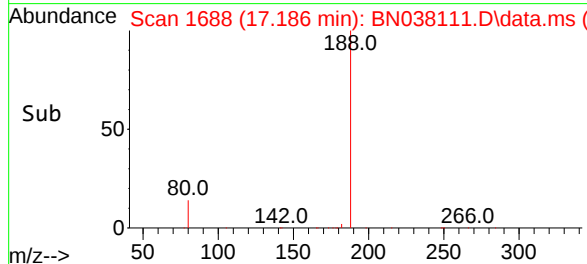
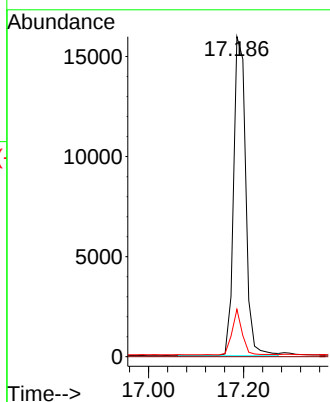
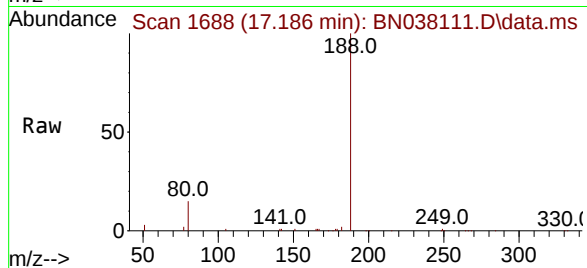
Tgt Ion:188 Resp: 28114

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.8 8.6 13.0#



#21

4-Bromophenyl-phenylether

Concen: 0.099 ng

RT: 16.391 min Scan# 1624

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

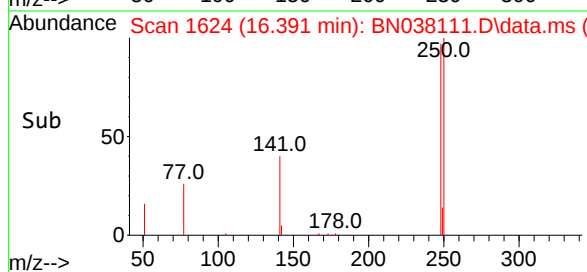
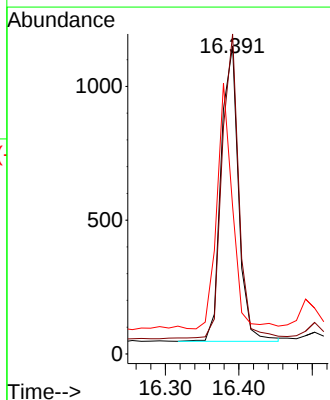
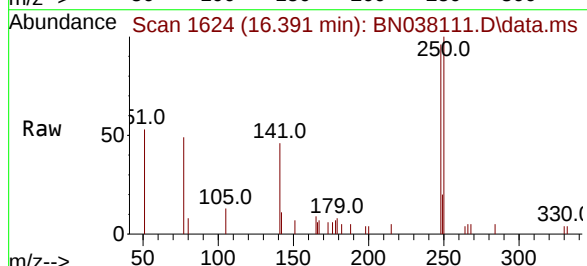
Tgt Ion:248 Resp: 1824

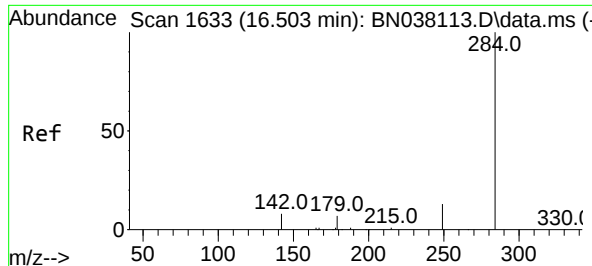
Ion Ratio Lower Upper

248 100

250 103.9 76.2 114.2

141 48.0 57.6 86.4#





#22

Hexachlorobenzene

Concen: 0.102 ng

RT: 16.503 min Scan# 1633

Delta R.T. 0.000 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

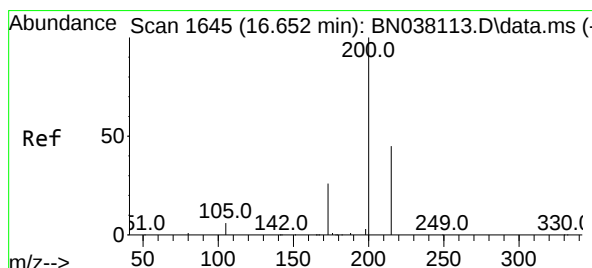
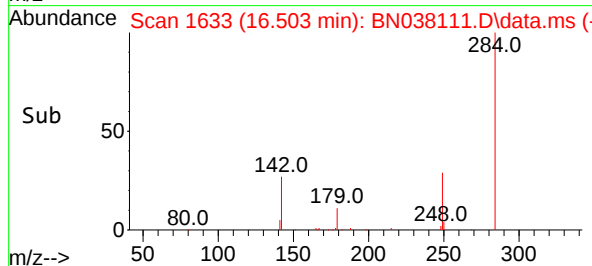
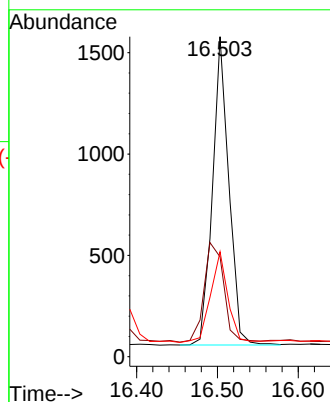
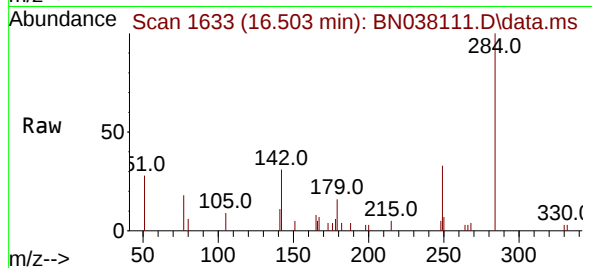
Tgt Ion:284 Resp: 2137

Ion Ratio Lower Upper

284 100

142 38.9 30.5 45.7

249 31.2 23.5 35.3



#23

Atrazine

Concen: 0.099 ng

RT: 16.652 min Scan# 1645

Delta R.T. 0.000 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

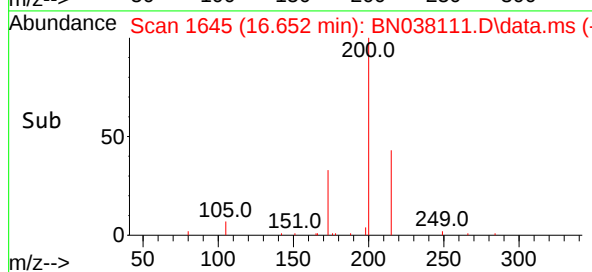
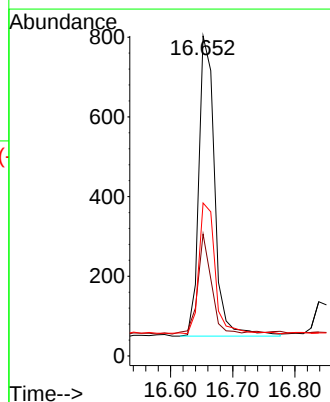
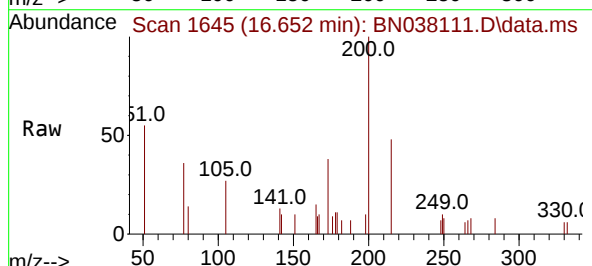
Tgt Ion:200 Resp: 1338

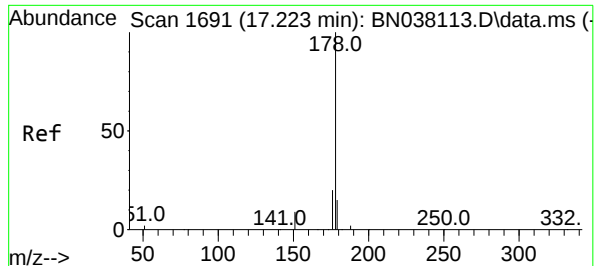
Ion Ratio Lower Upper

200 100

173 38.1 21.4 32.2#

215 47.8 36.7 55.1

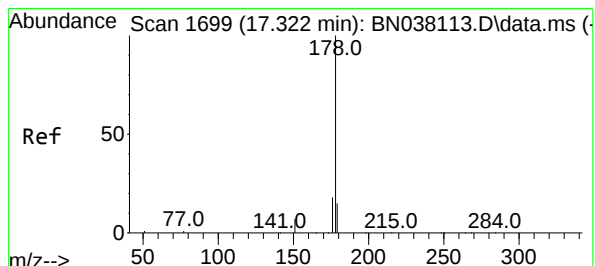
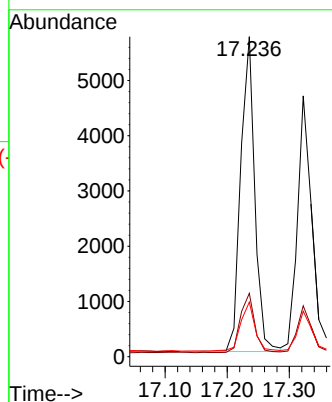
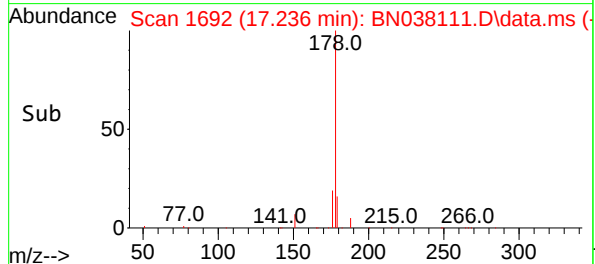
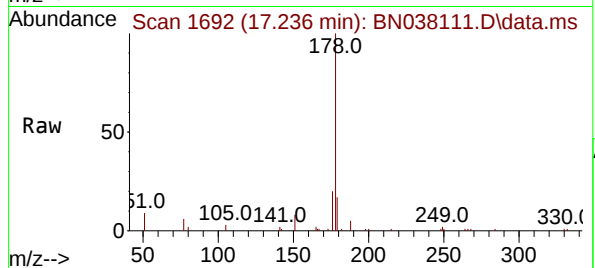




#25
Phenanthrene
Concen: 0.101 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

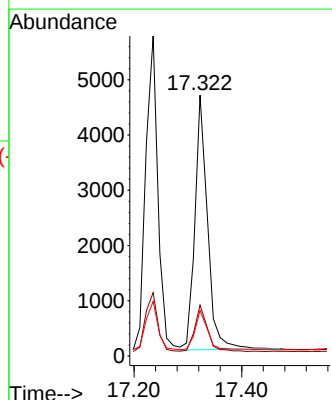
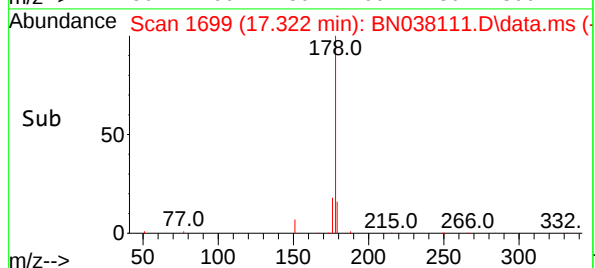
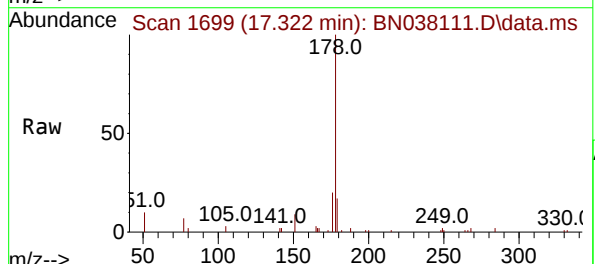
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

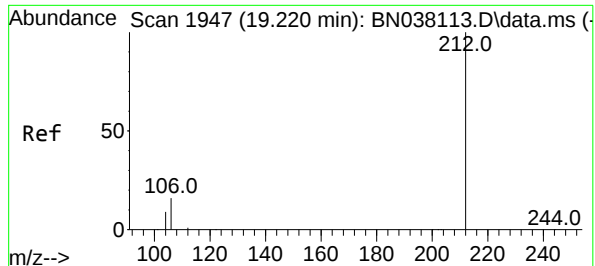
Tgt Ion:178 Resp: 9006
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.2 18.4



#26
Anthracene
Concen: 0.097 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:178 Resp: 7562
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 16.0 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.103 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

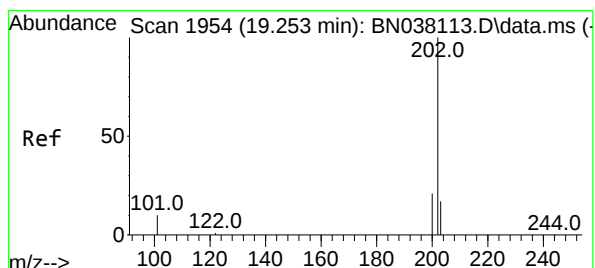
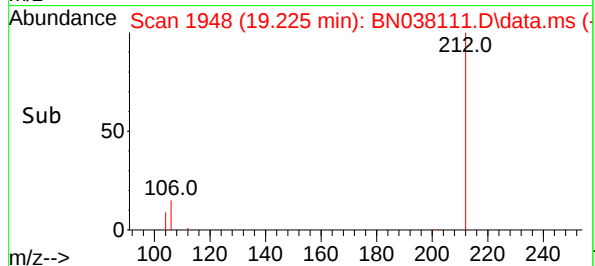
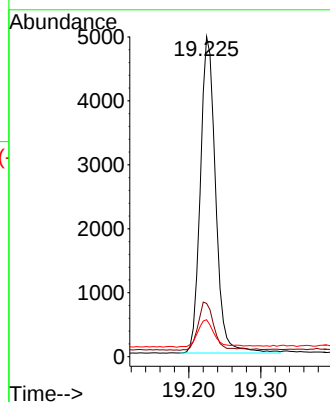
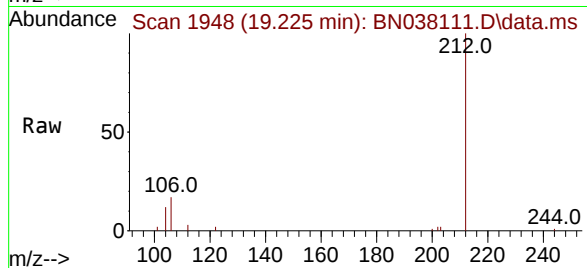
Tgt Ion:212 Resp: 7307

Ion Ratio Lower Upper

212 100

106 15.9 12.6 19.0

104 9.3 7.1 10.7



#28

Fluoranthene

Concen: 0.102 ng

RT: 19.257 min Scan# 1955

Delta R.T. 0.005 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

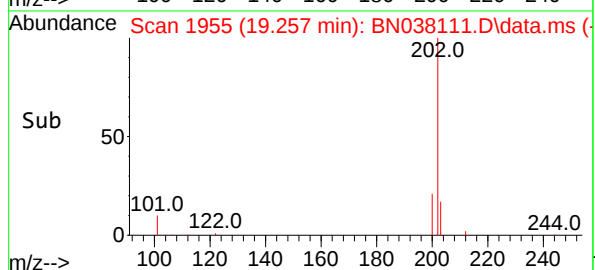
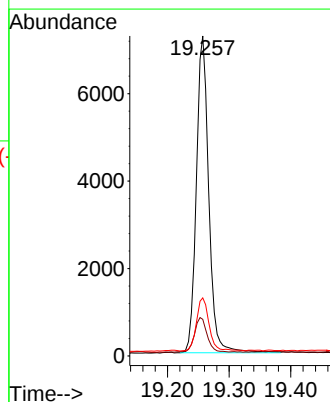
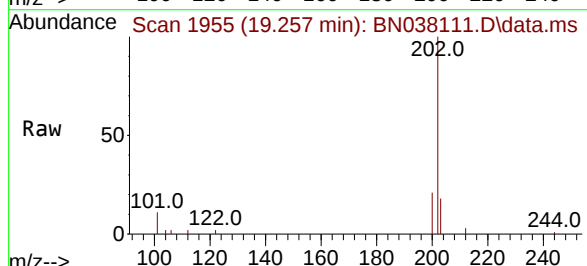
Tgt Ion:202 Resp: 10174

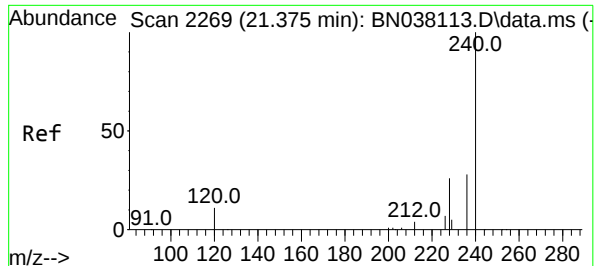
Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

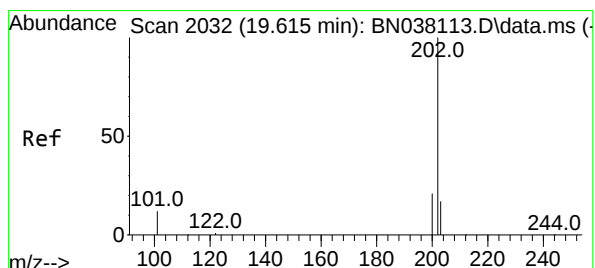
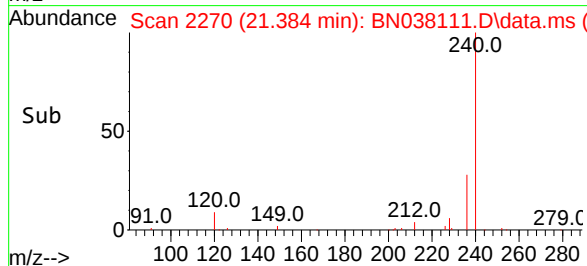
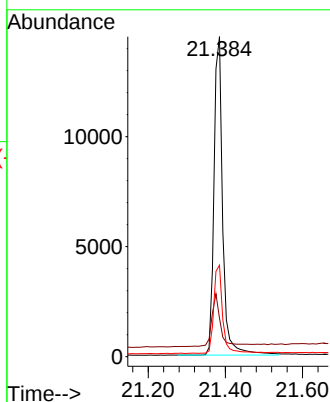
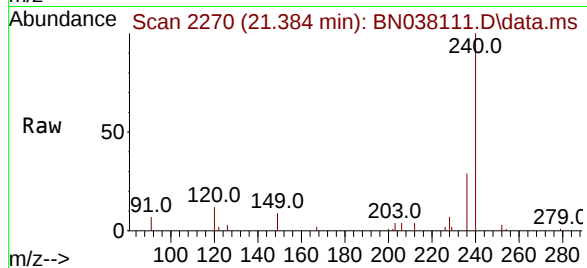
Tgt Ion:240 Resp: 22622

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 28.6 23.1 34.7



#30

Pyrene

Concen: 0.102 ng

RT: 19.620 min Scan# 2033

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

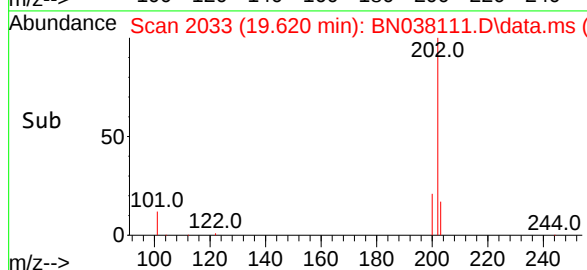
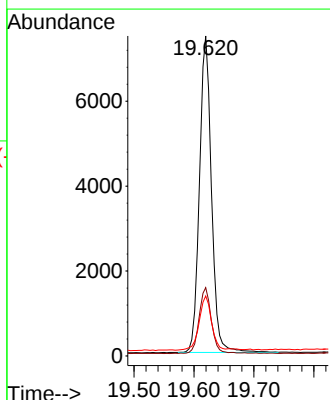
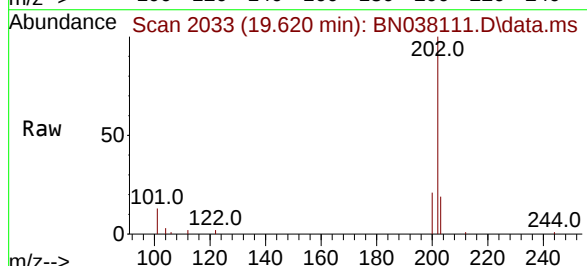
Tgt Ion:202 Resp: 10370

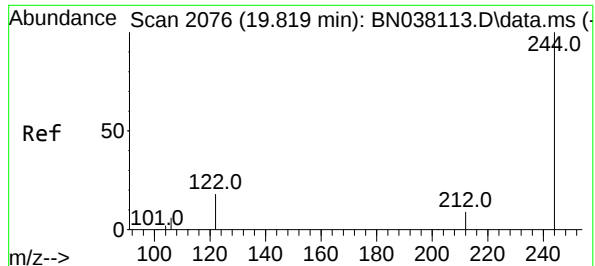
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.0 14.2 21.2

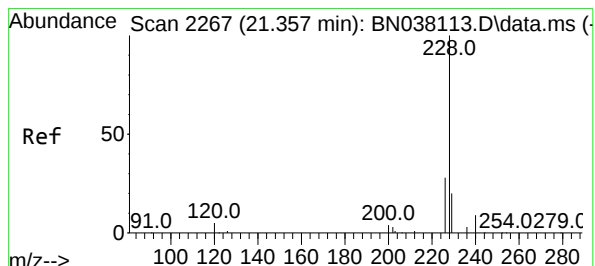
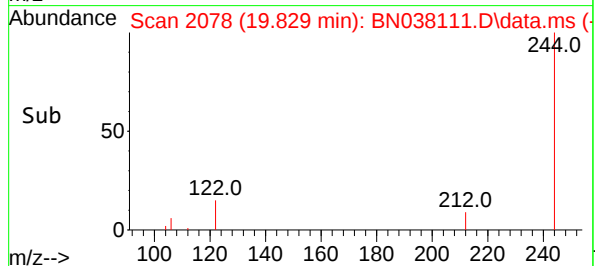
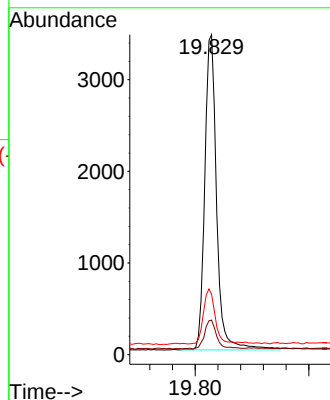
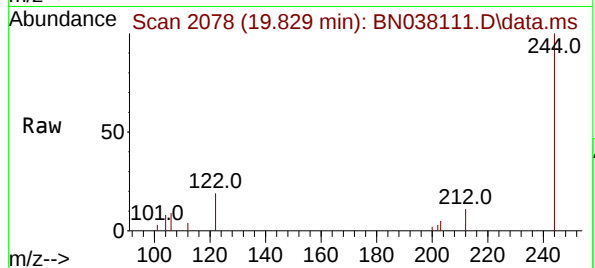




#31
Terphenyl-d14
Concen: 0.101 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

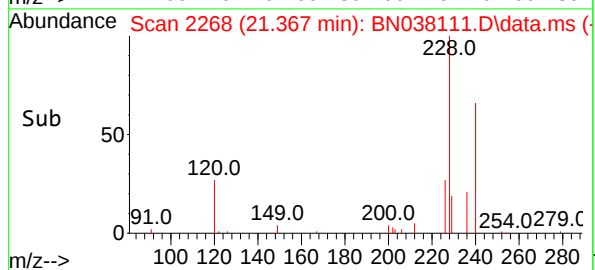
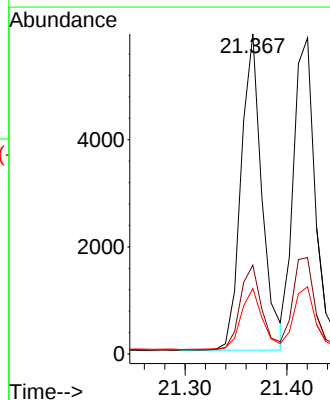
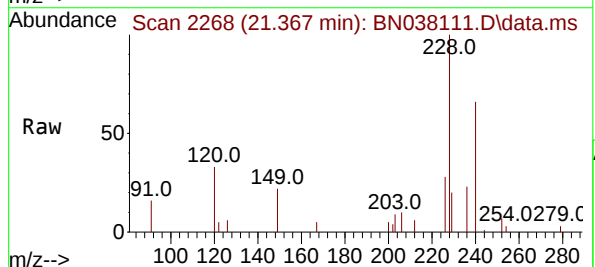
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

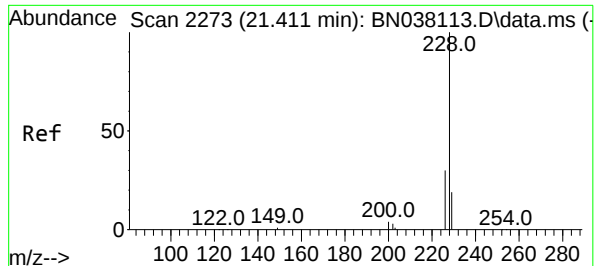
Tgt Ion:244 Resp: 4967
Ion Ratio Lower Upper
244 100
212 10.8 7.8 11.6
122 18.9 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.104 ng
RT: 21.367 min Scan# 2268
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:228 Resp: 8433
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 20.5 15.8 23.8

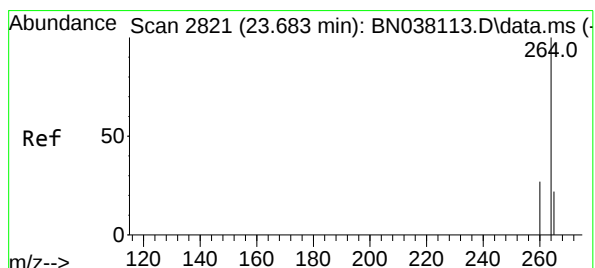
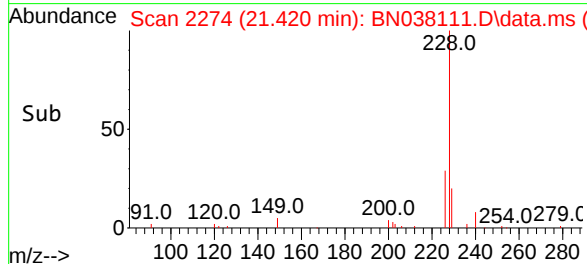
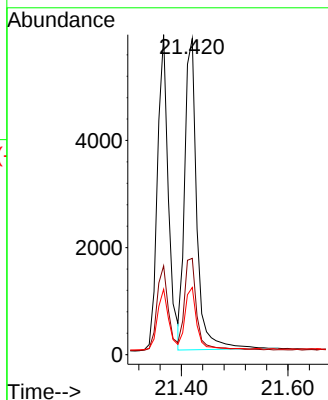
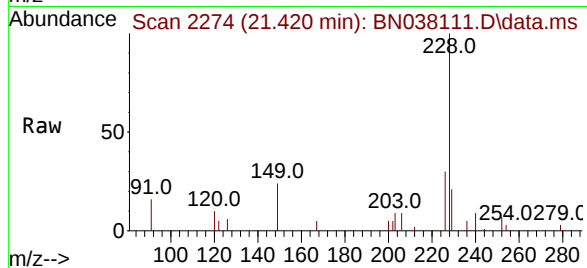




#33
Chrysene
Concen: 0.105 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

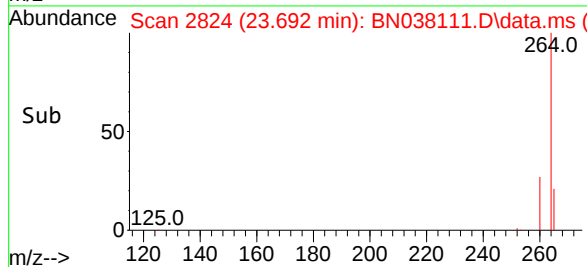
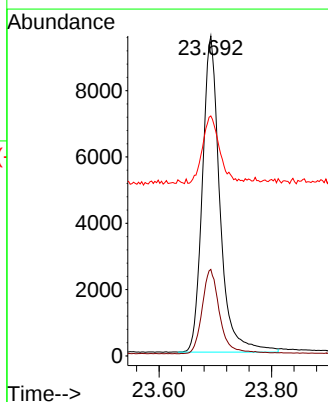
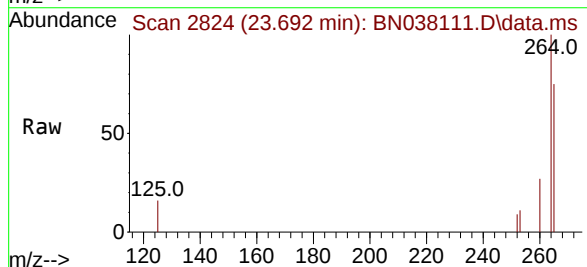
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

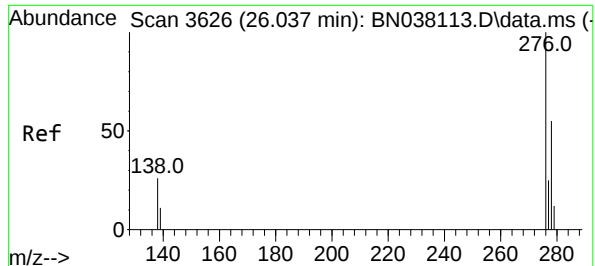
Tgt Ion:228 Resp: 9181
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.3 15.7 23.5



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.692 min Scan# 2824
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:264 Resp: 20615
Ion Ratio Lower Upper
264 100
260 27.0 21.8 32.8
265 75.0 68.6 102.8





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.093 ng

RT: 26.048 min Scan# 3630

Delta R.T. 0.015 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

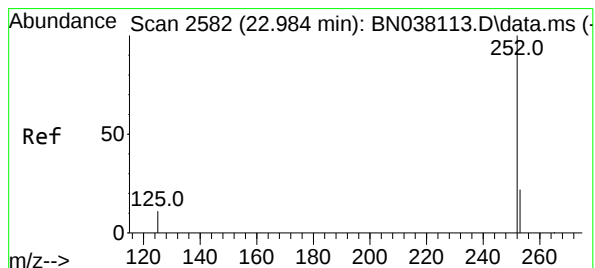
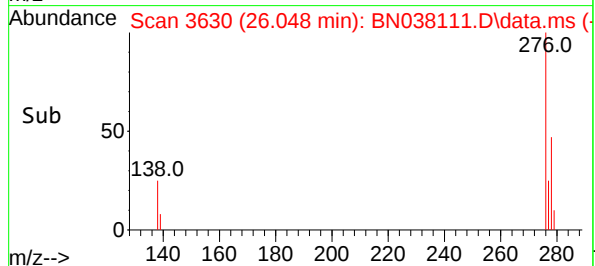
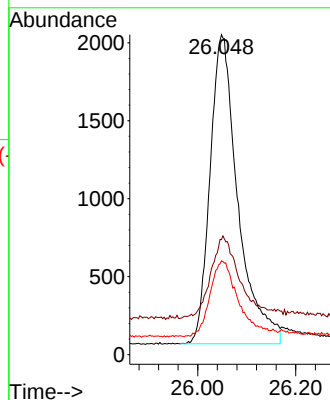
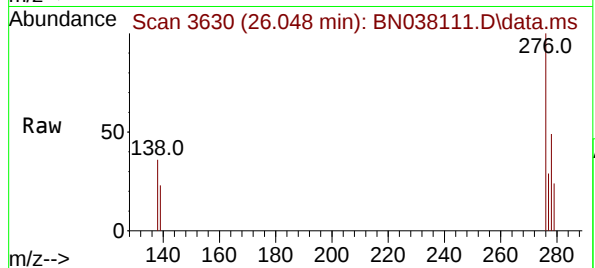
Tgt Ion:276 Resp: 7839

Ion Ratio Lower Upper

276 100

138 25.8 21.4 32.0

277 24.8 19.2 28.8



#37

Benzo(b)fluoranthene

Concen: 0.094 ng

RT: 22.993 min Scan# 2585

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

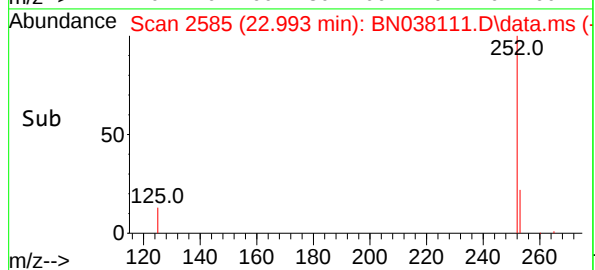
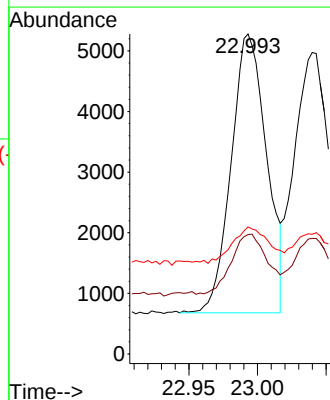
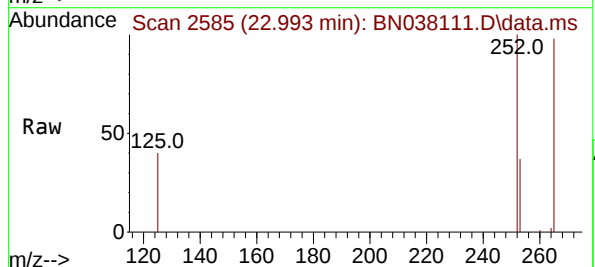
Tgt Ion:252 Resp: 8261

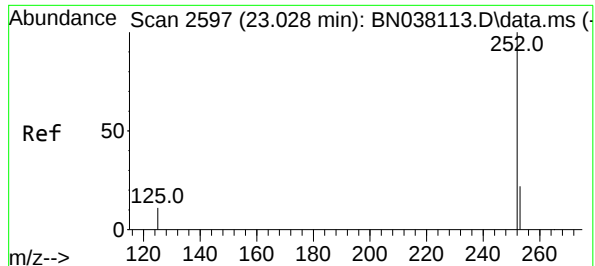
Ion Ratio Lower Upper

252 100

253 37.3 20.9 31.3#

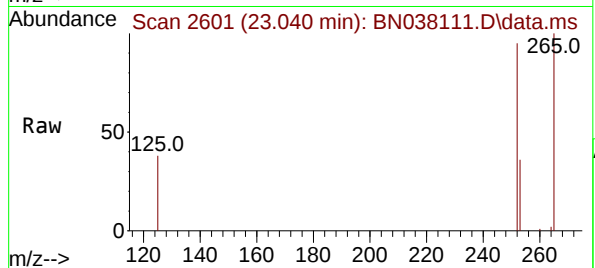
125 39.7 14.1 21.1#



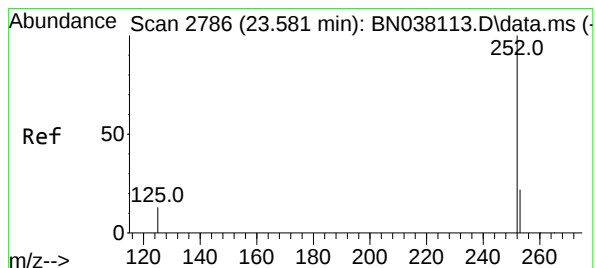
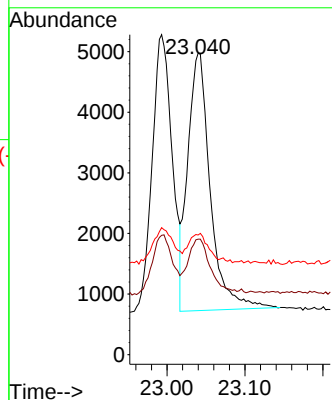


#38
Benzo(k)fluoranthene
Concen: 0.096 ng
RT: 23.040 min Scan# 20
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

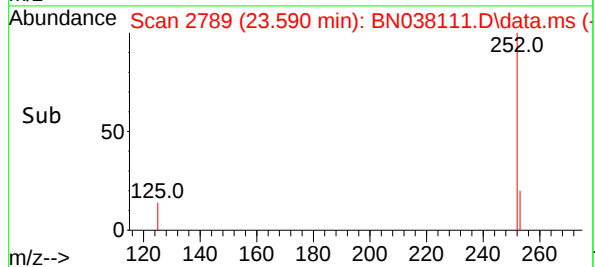
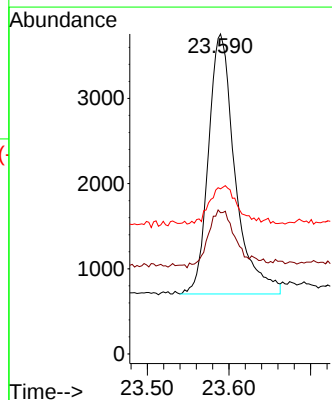
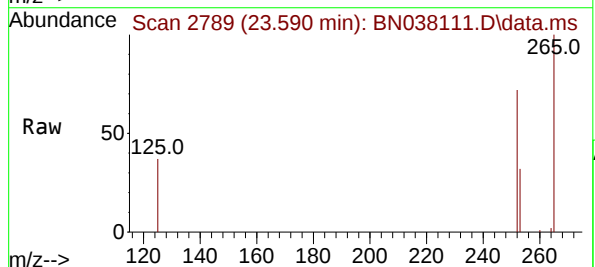


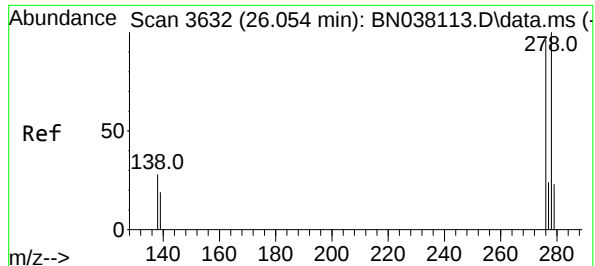
Tgt Ion:252 Resp: 8515
Ion Ratio Lower Upper
252 100
253 38.3 21.2 31.8#
125 39.7 14.6 22.0#



#39
Benzo(a)pyrene
Concen: 0.098 ng
RT: 23.590 min Scan# 2789
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:252 Resp: 6927
Ion Ratio Lower Upper
252 100
253 44.2 23.1 34.7#
125 51.6 18.6 28.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.091 ng

RT: 26.072 min Scan# 3

Delta R.T. 0.023 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

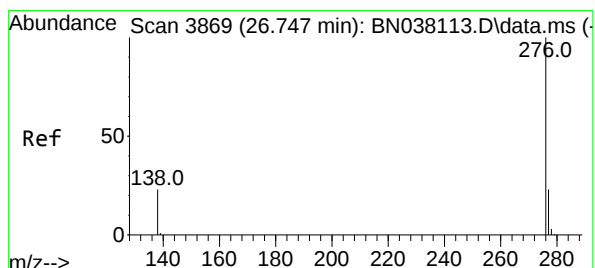
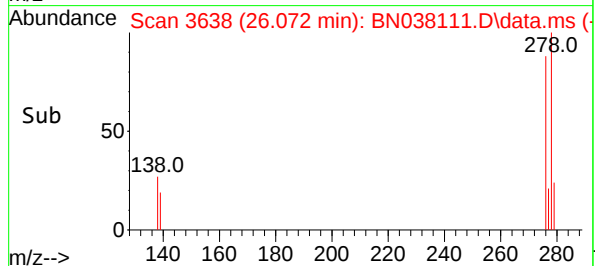
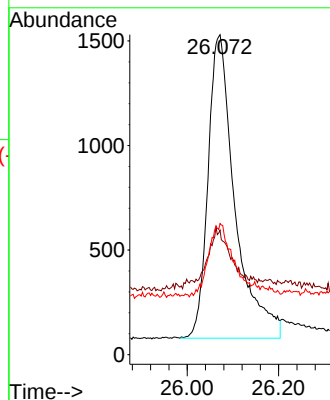
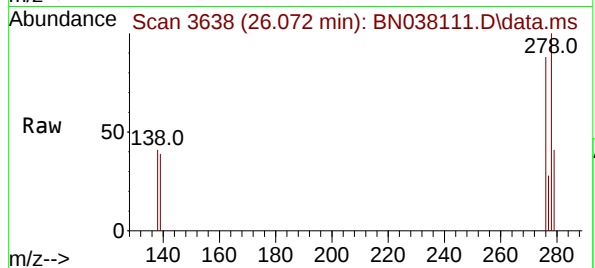
Tgt Ion:278 Resp: 5922

Ion Ratio Lower Upper

278 100

139 38.9 17.6 26.4#

279 41.0 22.6 33.8#



#41

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.765 min Scan# 3875

Delta R.T. 0.015 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

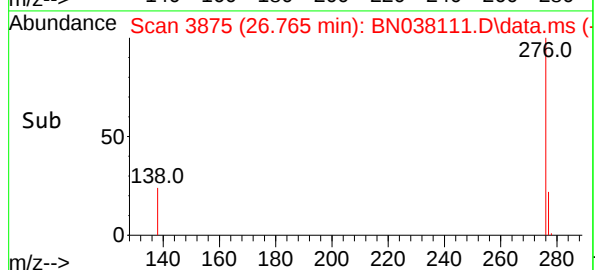
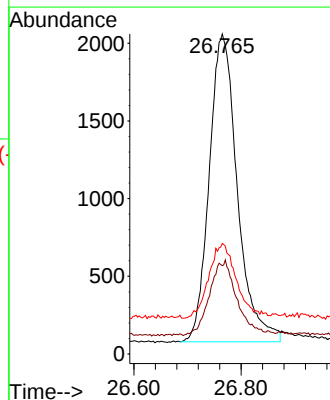
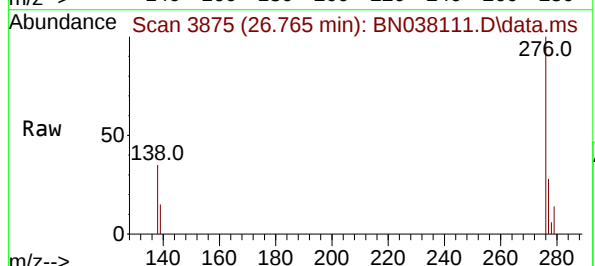
Tgt Ion:276 Resp: 7227

Ion Ratio Lower Upper

276 100

277 27.6 19.7 29.5

138 34.5 20.2 30.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038112.D
 Acq On : 28 Oct 2025 13:36
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Oct 28 17:31:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	9322	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	28183	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15941	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31512	0.400	ng	0.00
29) Chrysene-d12	21.375	240	23080	0.400	ng	0.00
35) Perylene-d12	23.683	264	20598	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	4536	0.207	ng	0.00
5) Phenol-d6	6.937	99	5284	0.198	ng	0.00
8) Nitrobenzene-d5	8.929	82	4403	0.194	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	8012	0.199	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1201	0.183	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	13145	0.206	ng	0.01
27) Fluoranthene-d10	19.225	212	15247	0.192	ng	0.00
31) Terphenyl-d14	19.824	244	10170	0.203	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.254	88	2078	0.216	ng	95
3) n-Nitrosodimethylamine	3.564	42	2463	0.199	ng	# 98
6) bis(2-Chloroethyl)ether	7.197	93	5312	0.202	ng	99
9) Naphthalene	10.626	128	15455	0.199	ng	98
10) Hexachlorobutadiene	10.925	225	2632	0.201	ng	# 97
12) 2-Methylnaphthalene	12.253	142	10027	0.194	ng	99
16) Acenaphthylene	14.152	152	13787	0.191	ng	99
17) Acenaphthene	14.505	154	9898	0.196	ng	100
18) Fluorene	15.489	166	13019	0.197	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	639	0.238	ng	# 40
21) 4-Bromophenyl-phenylether	16.379	248	3948	0.191	ng	98
22) Hexachlorobenzene	16.503	284	4594	0.196	ng	99
23) Atrazine	16.652	200	2774	0.183	ng	98
24) Pentachlorophenol	16.838	266	1769	0.175	ng	98
25) Phenanthrene	17.223	178	19374	0.194	ng	100
26) Anthracene	17.322	178	16201	0.185	ng	99
28) Fluoranthene	19.253	202	21232	0.190	ng	99
30) Pyrene	19.615	202	21387	0.205	ng	100
32) Benzo(a)anthracene	21.358	228	15917	0.193	ng	99
33) Chrysene	21.411	228	18301	0.205	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	10496	0.242	ng	100
36) Indeno(1,2,3-cd)pyrene	26.039	276	15575	0.184	ng	99
37) Benzo(b)fluoranthene	22.984	252	15888	0.180	ng	# 90
38) Benzo(k)fluoranthene	23.031	252	16371	0.185	ng	# 91
39) Benzo(a)pyrene	23.584	252	13137	0.186	ng	# 84
40) Dibenzo(a,h)anthracene	26.057	278	11845	0.182	ng	95
41) Benzo(g,h,i)perylene	26.753	276	14055	0.189	ng	95

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Abundance

TIC: BN038112.D\data.ms

Time-->

4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

1,4-Dioxane
n-Nitrosodimethylamine

2-Fluorophenol.S

Phenol-d6.S
bis(2-Chloroethyl)ether

1,4-Dichlorobenzene-d4.l

Nitrobenzene-d5.S

Hexachlorobutadiene

Naphthalene

Naphthalene-d8.l

2-Methylnaphthalene

2-Fluorobiphenyl.S

Acenaphthylene

Acenaphthene

Acenaphthene-d10.l

Fluorene

4-Bromophenyl-phenylether

Anthracene

Phenanthrene

Phenanthrene-d10.l

Fluoranthene

Pyrene

Bis(2-ethylhexyl)phthalate

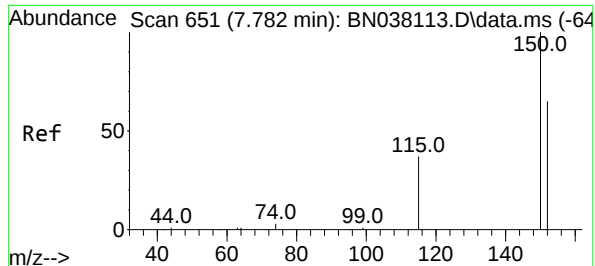
Benzo(a)fluoranthene

Benzo(a)pyrene.C

Perylene-d12.l

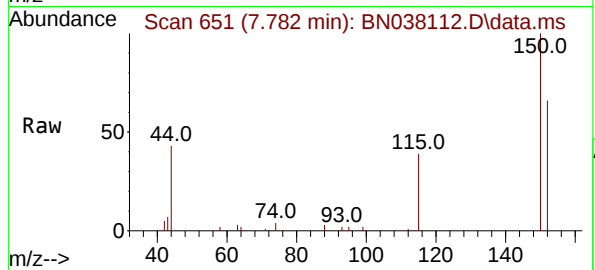
Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

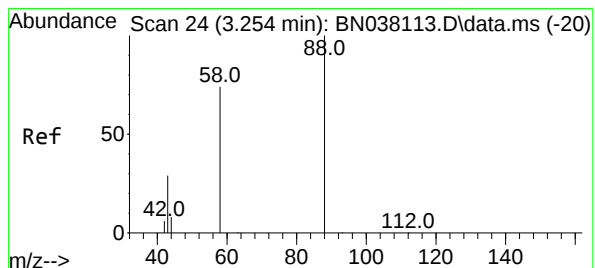
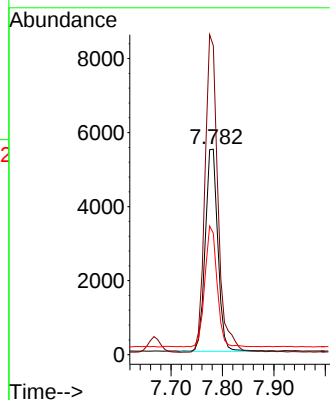
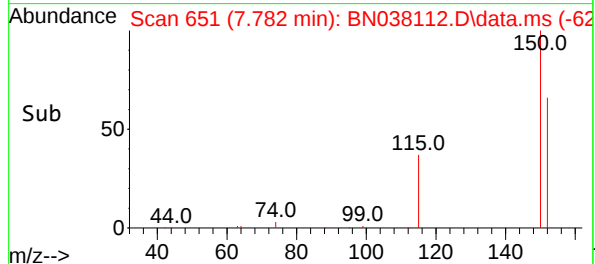


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

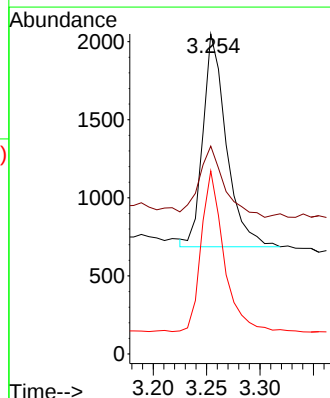
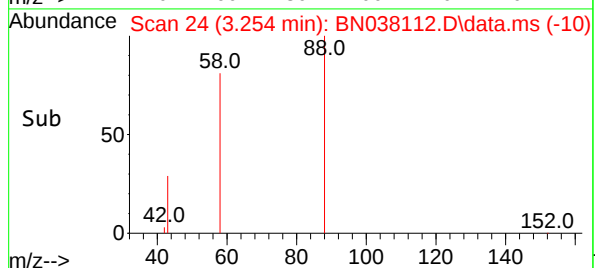
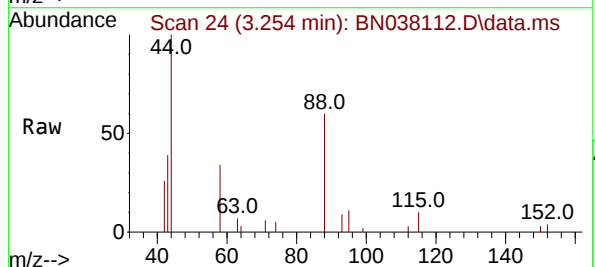


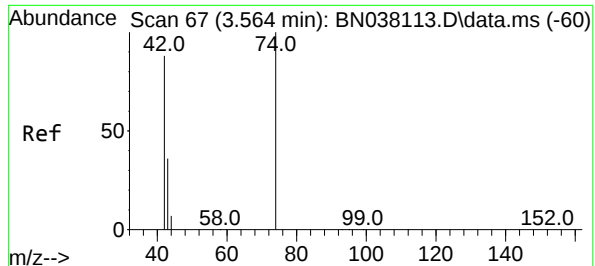
Tgt Ion:152 Resp: 9322
Ion Ratio Lower Upper
152 100
150 150.4 122.3 183.5
115 59.1 47.4 71.0



#2
1,4-Dioxane
Concen: 0.216 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion: 88 Resp: 2078
Ion Ratio Lower Upper
88 100
43 36.3 24.3 36.5
58 73.3 60.4 90.6

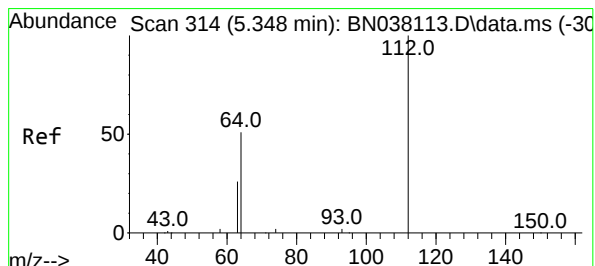
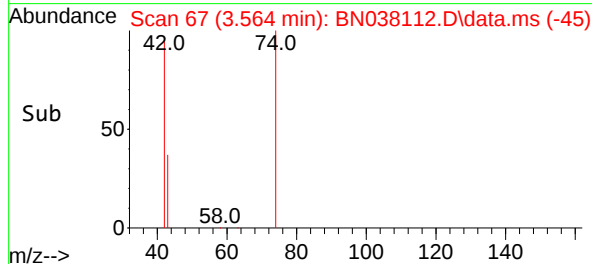
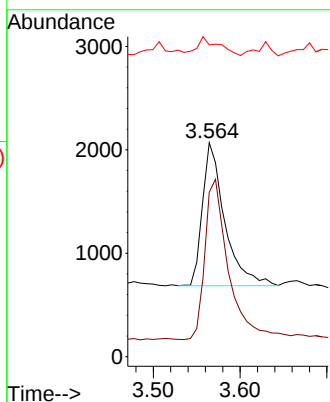
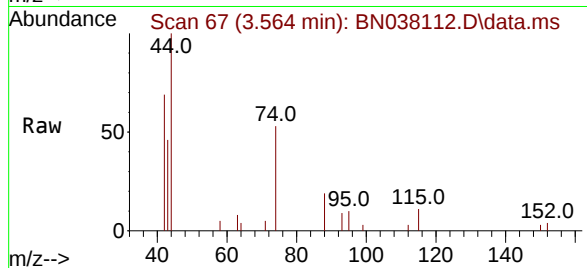




#3
n-Nitrosodimethylamine
Concen: 0.199 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

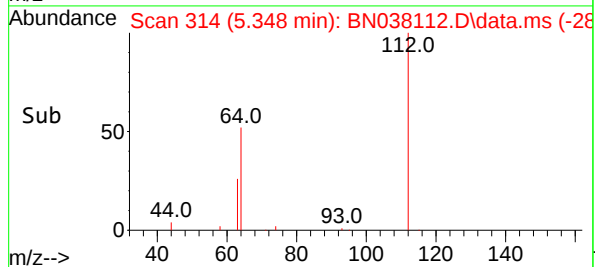
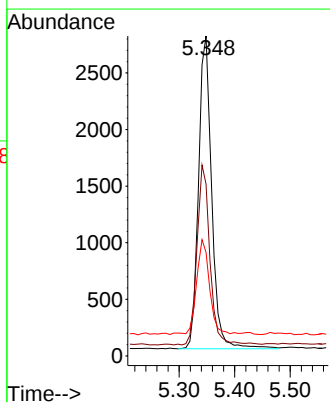
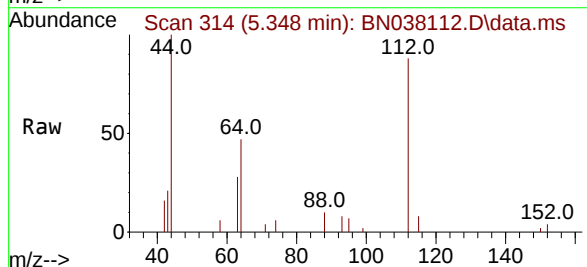
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

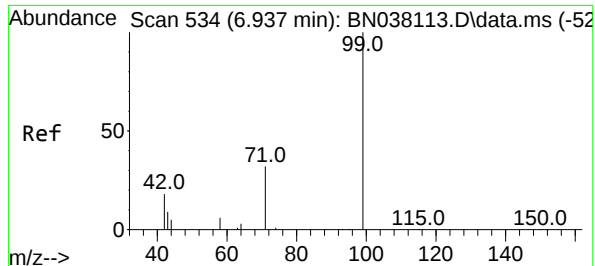
Tgt Ion: 42 Resp: 2463
Ion Ratio Lower Upper
42 100
74 121.8 96.8 145.2
44 12.3 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.207 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion: 112 Resp: 4536
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.0
63 30.2 23.2 34.8

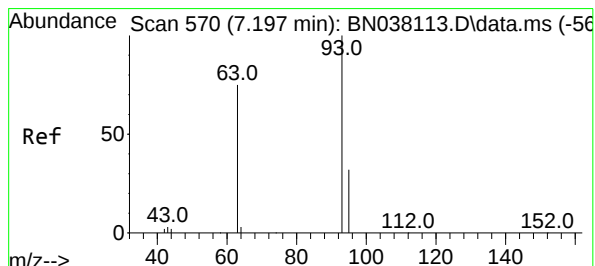
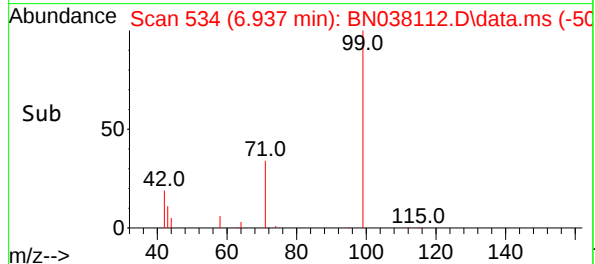
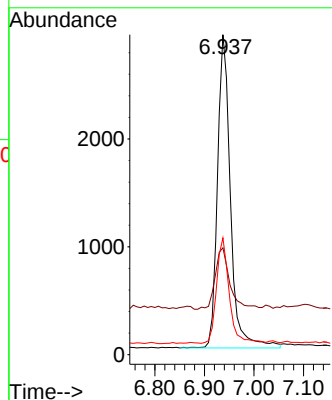
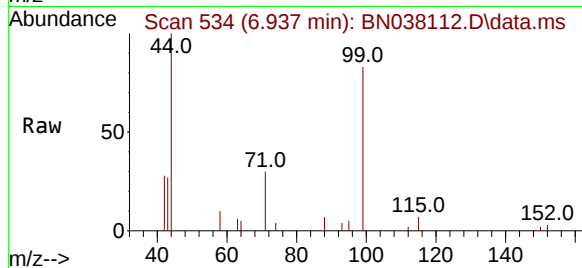




#5
Phenol-d6
Concen: 0.198 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

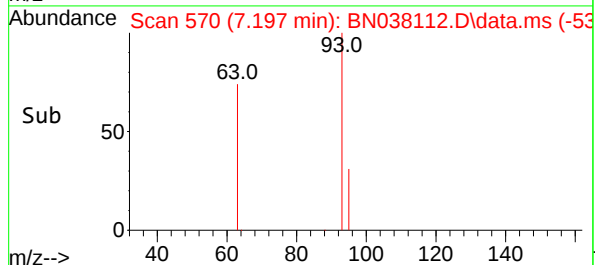
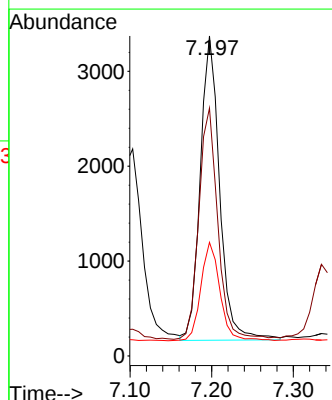
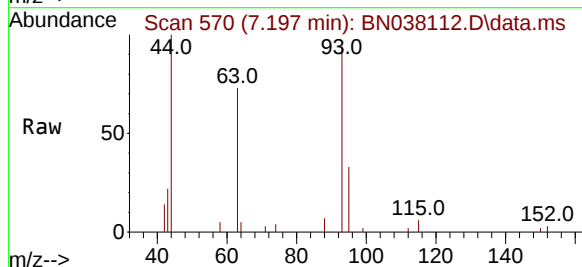
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

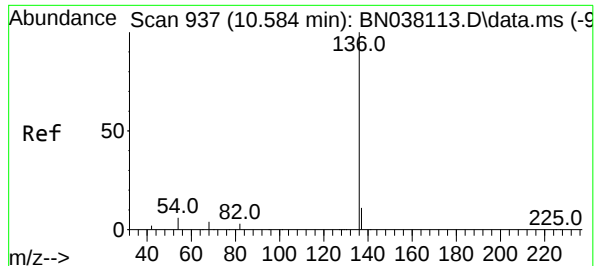
Tgt Ion: 99 Resp: 5284
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 32.7 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.202 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion: 93 Resp: 5312
Ion Ratio Lower Upper
93 100
63 74.3 59.3 88.9
95 32.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.584 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:136 Resp: 28183

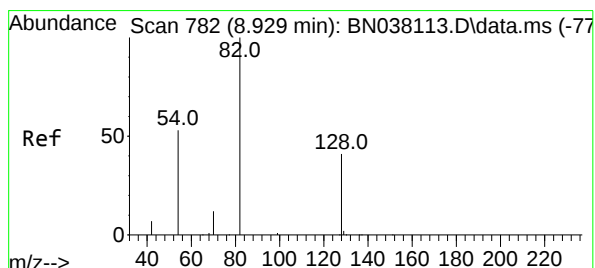
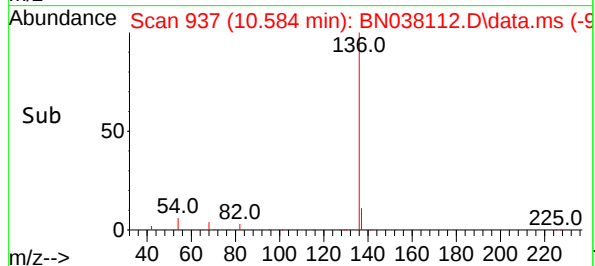
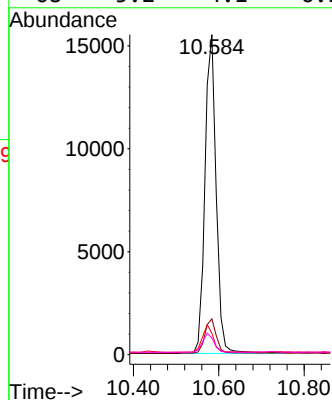
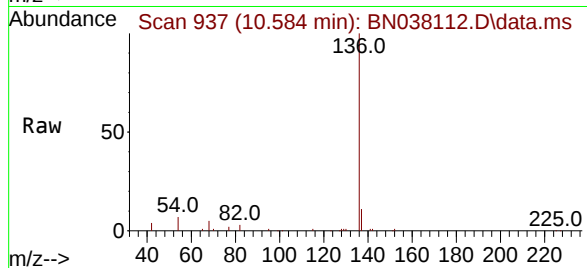
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 6.6 5.2 7.8

68 5.2 4.1 6.1



#8

Nitrobenzene-d5

Concen: 0.194 ng

RT: 8.929 min Scan# 782

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

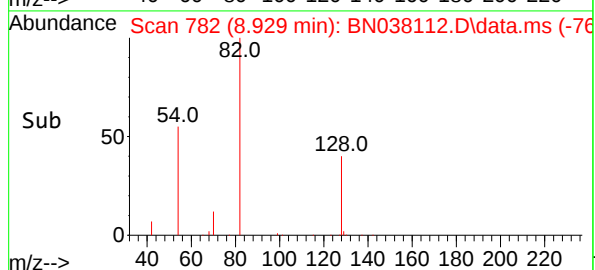
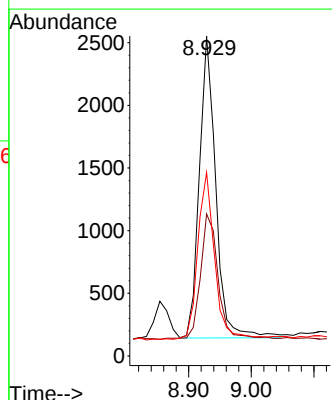
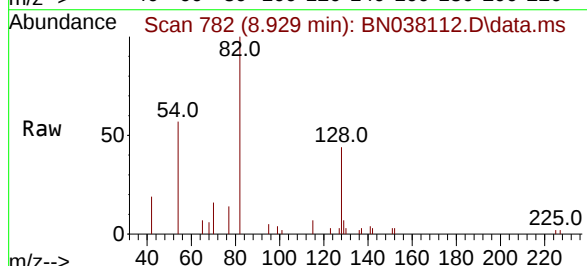
Tgt Ion: 82 Resp: 4403

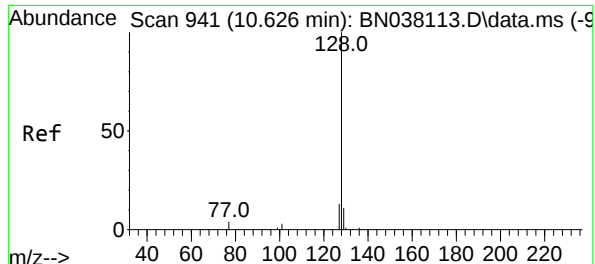
Ion Ratio Lower Upper

82 100

128 44.4 34.1 51.1

54 57.3 43.5 65.3





#9

Naphthalene

Concen: 0.199 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

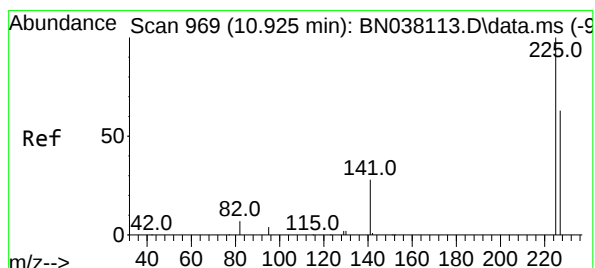
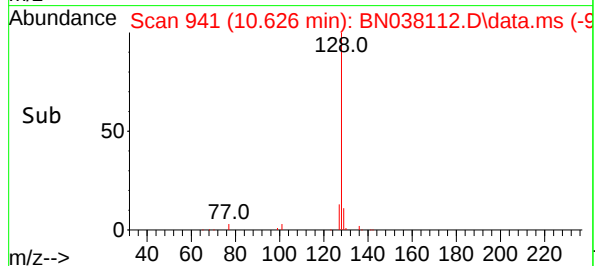
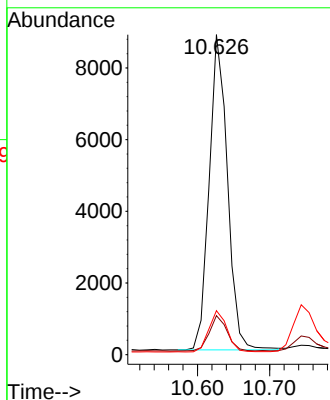
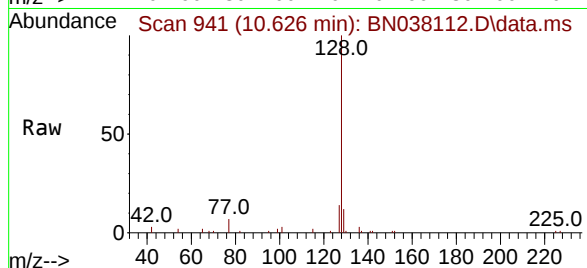
Tgt Ion:128 Resp: 15455

Ion Ratio Lower Upper

128 100

129 12.2 9.1 13.7

127 13.8 10.5 15.7



#10

Hexachlorobutadiene

Concen: 0.201 ng

RT: 10.925 min Scan# 969

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

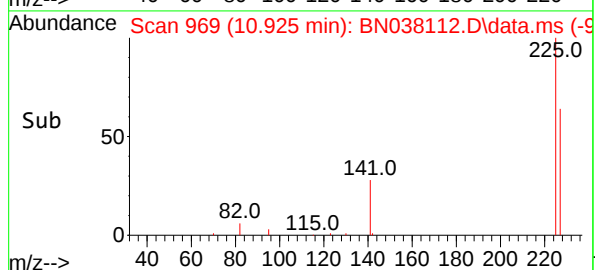
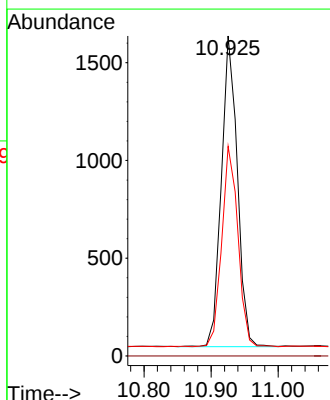
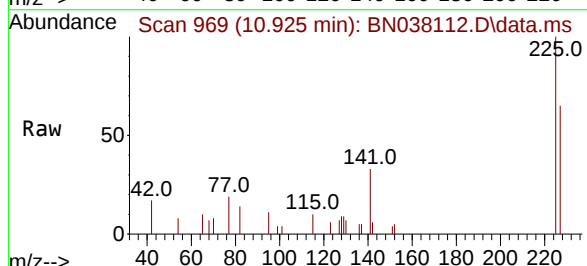
Tgt Ion:225 Resp: 2632

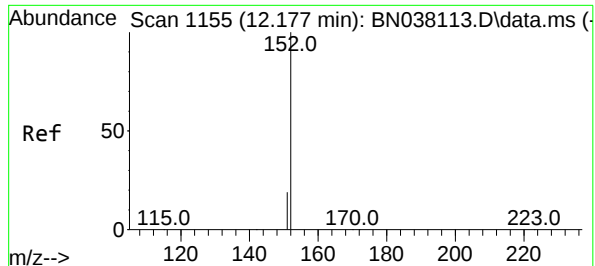
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 65.1 50.3 75.5

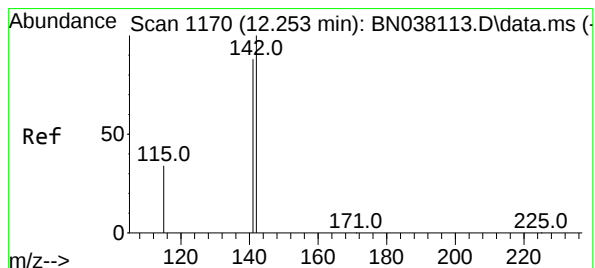
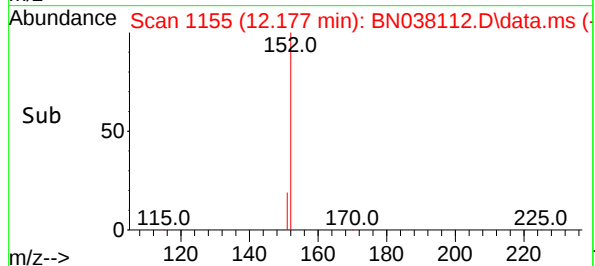
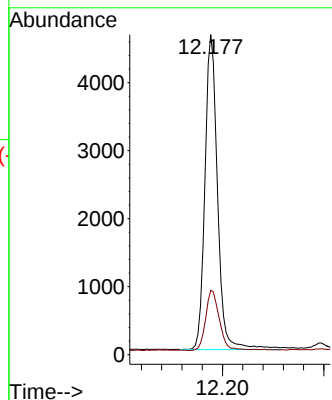
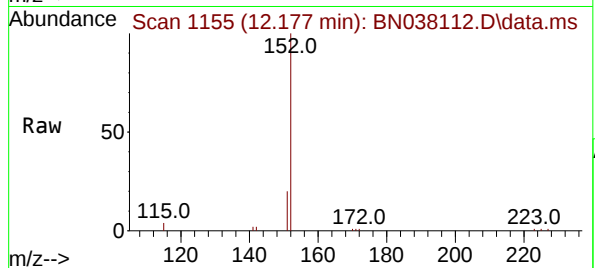




#11
2-Methylnaphthalene-d10
Concen: 0.199 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

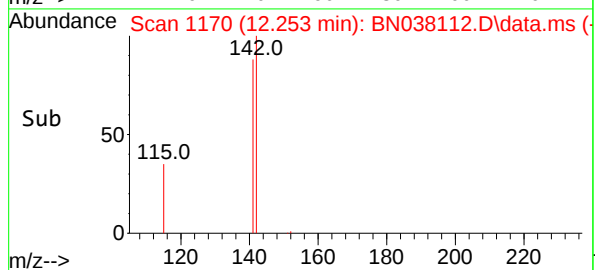
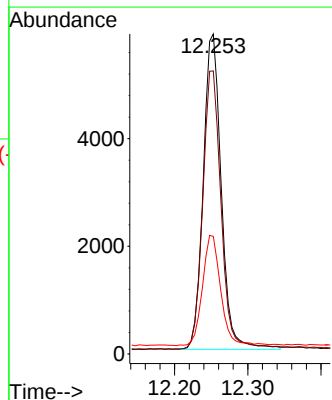
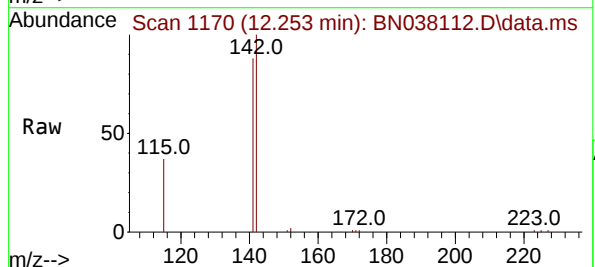
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

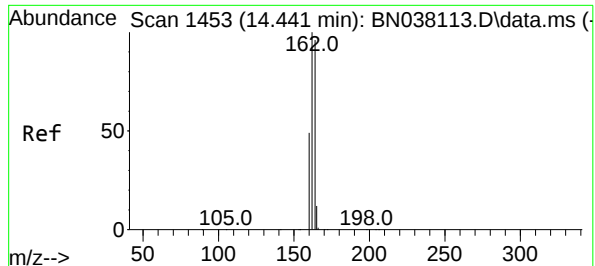
Tgt Ion:152 Resp: 8012
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.194 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:142 Resp: 10027
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5
115 36.8 27.8 41.6

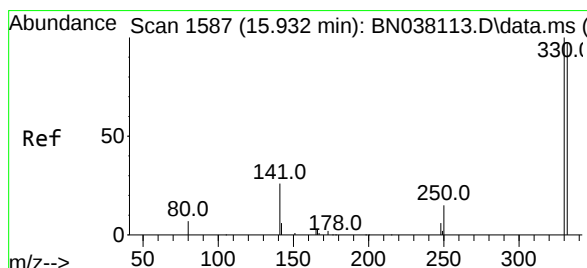
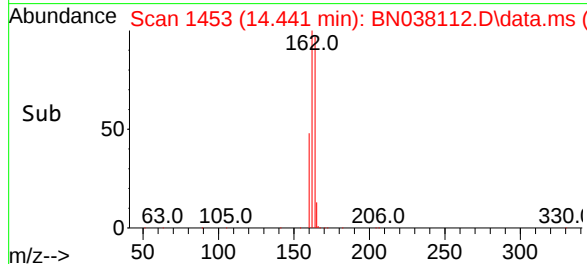
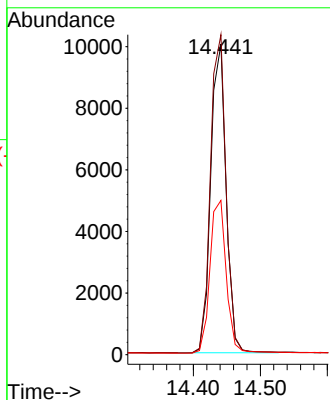
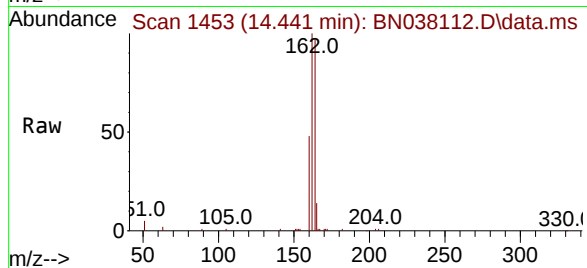




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

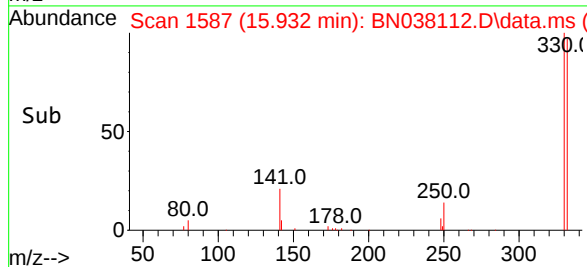
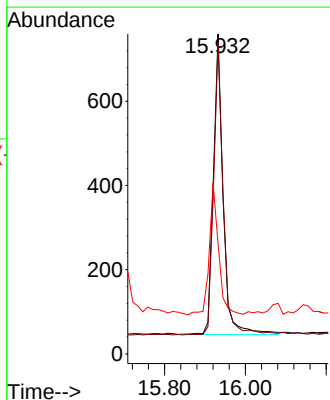
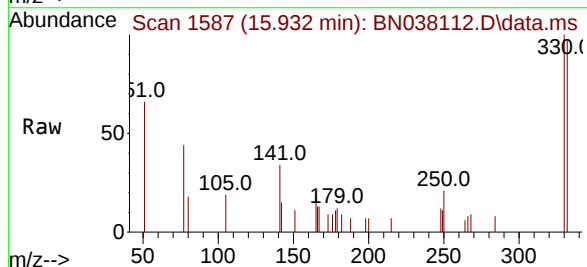
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

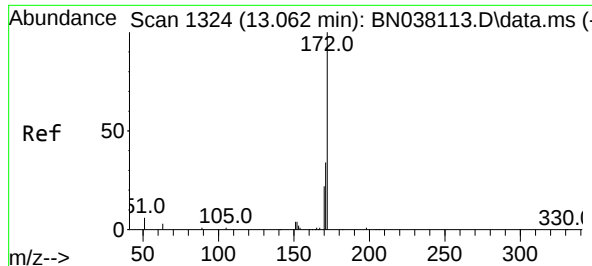
Tgt Ion	164	162	160
Resp:	15941		
Ion Ratio	100	103.1	49.6
Lower		83.0	40.7
Upper		124.4	61.1



#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	330	332	141
Resp:	1201		
Ion Ratio	100	96.6	41.5
Lower		76.6	34.1
Upper		114.8	51.1

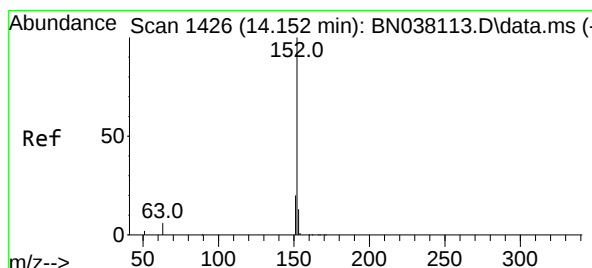
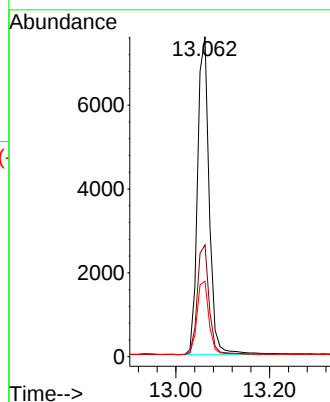
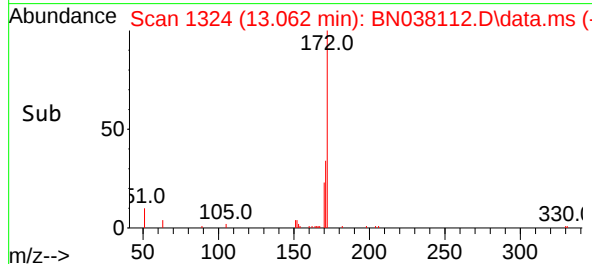
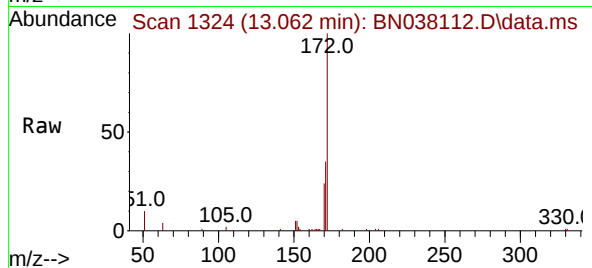




#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

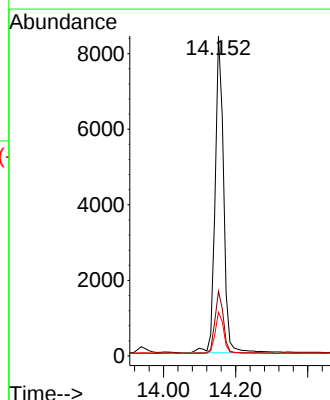
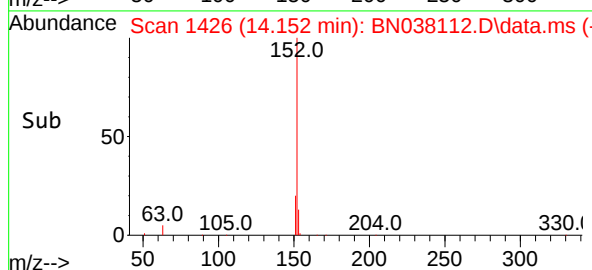
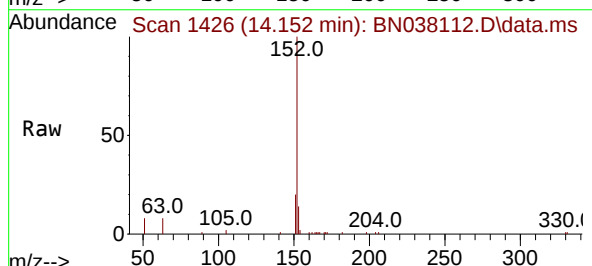
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

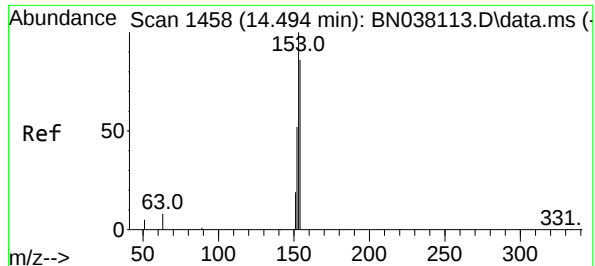
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.6	18.1	27.1



#16
Acenaphthylene
Concen: 0.191 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.2	15.2

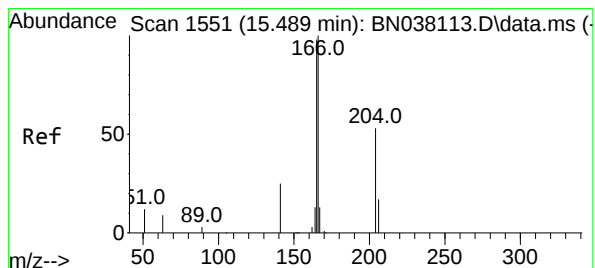
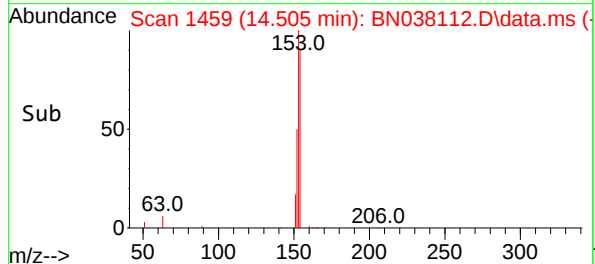
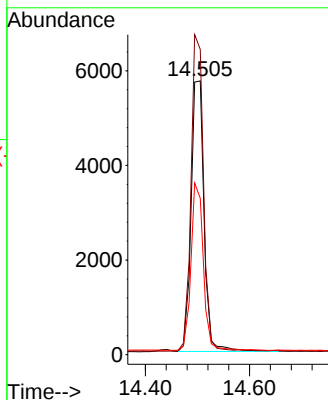
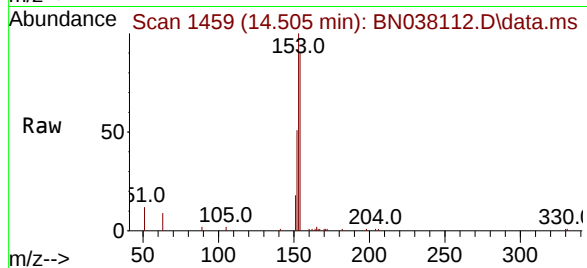




#17
Acenaphthene
Concen: 0.196 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

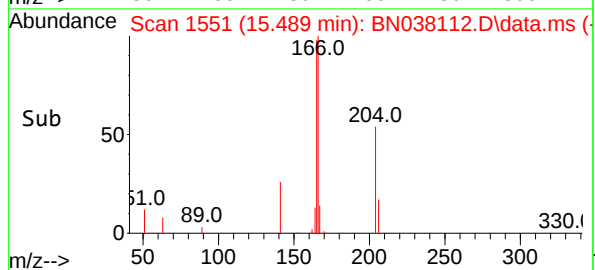
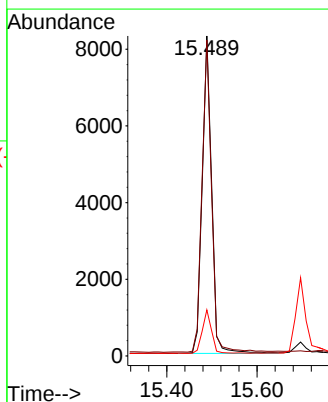
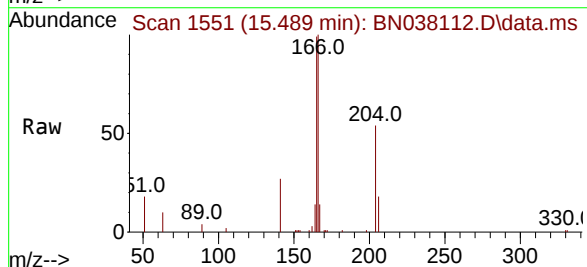
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

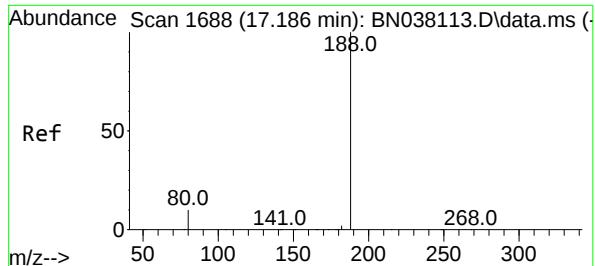
Tgt Ion:154 Resp: 9898
Ion Ratio Lower Upper
154 100
153 112.7 90.0 135.0
152 58.9 47.3 70.9



#18
Fluorene
Concen: 0.197 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:166 Resp: 13019
Ion Ratio Lower Upper
166 100
165 98.6 79.0 118.4
167 13.4 10.7 16.1

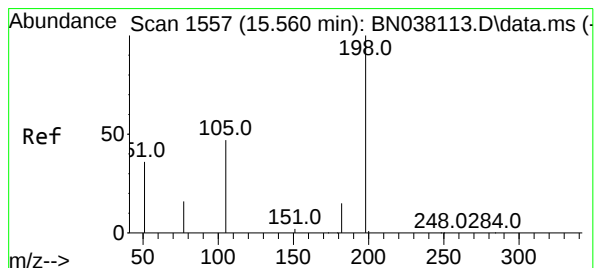
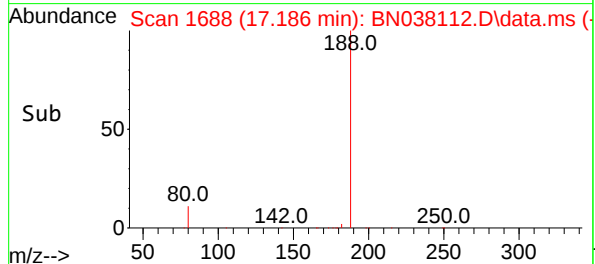
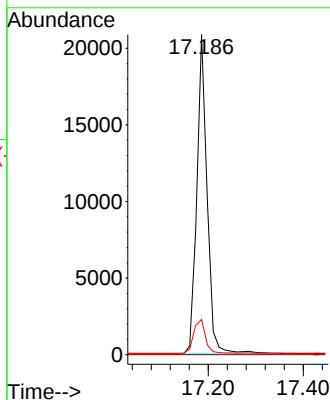
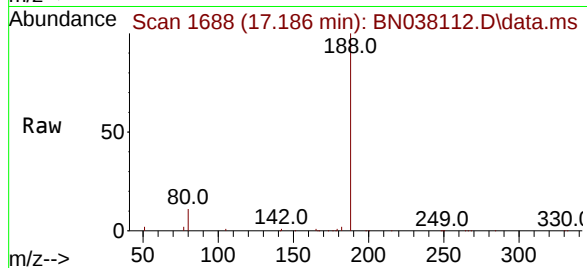




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

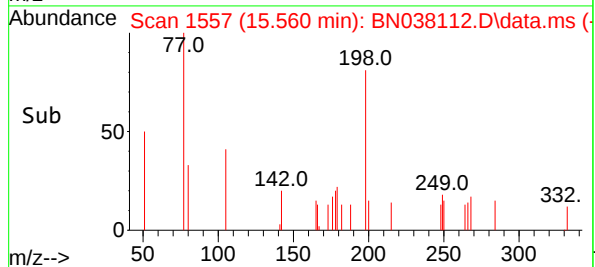
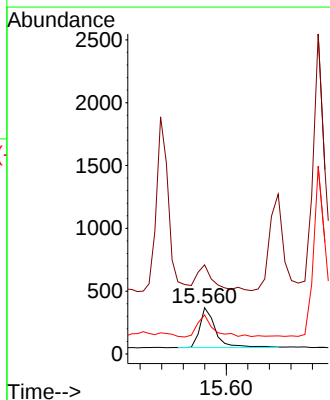
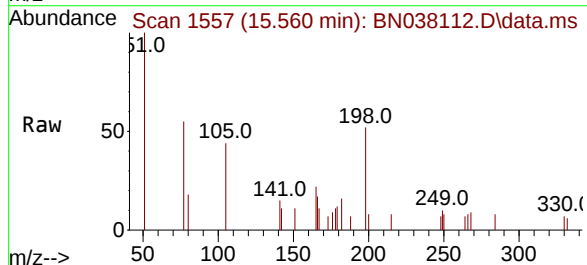
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

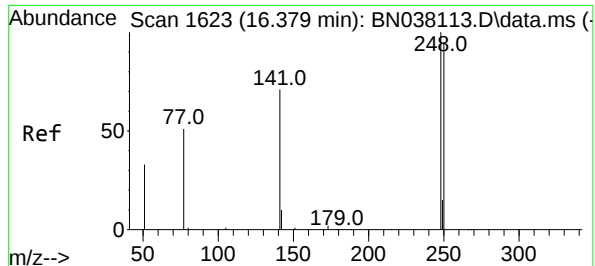
Tgt Ion:188 Resp: 31512
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 8.6 13.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.238 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:198 Resp: 639
Ion Ratio Lower Upper
198 100
51 192.9 88.9 133.3#
105 84.5 49.2 73.8#

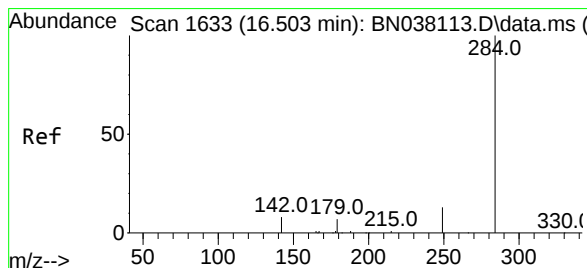
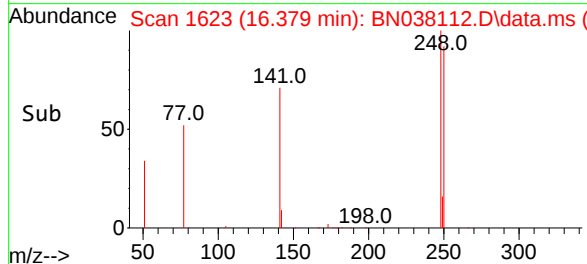
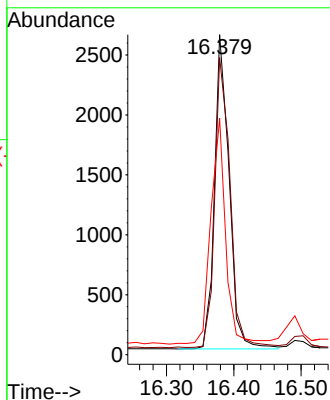
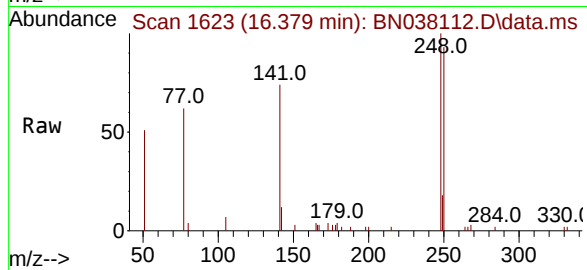




#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

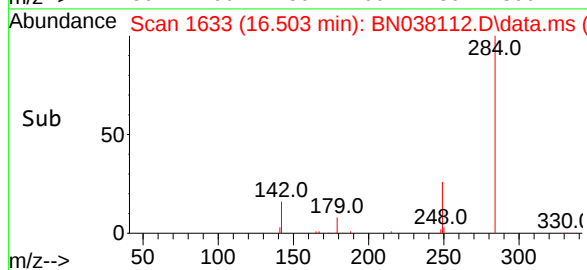
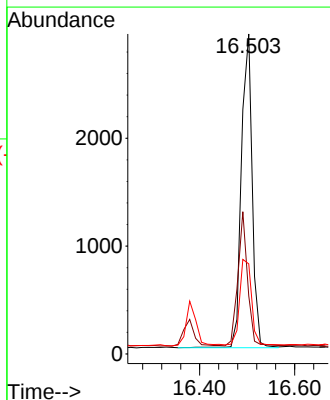
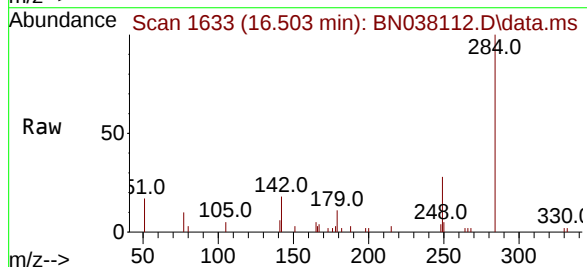
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

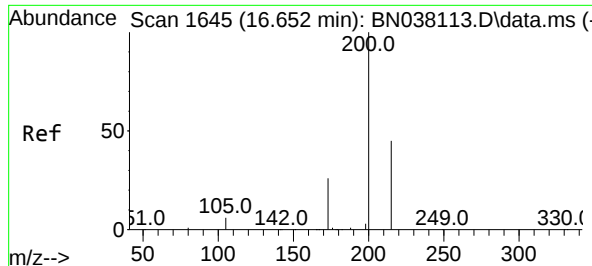
Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.8	76.2	114.2
141	73.9	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.196 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.5	45.7
249	30.1	23.5	35.3

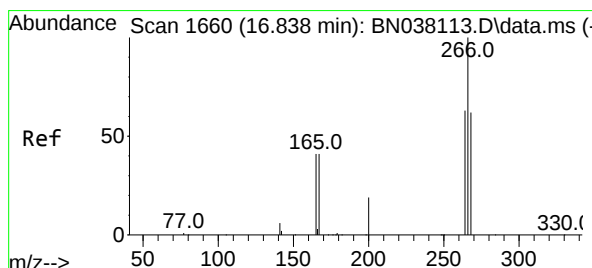
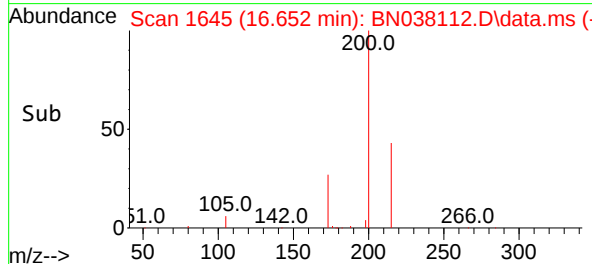
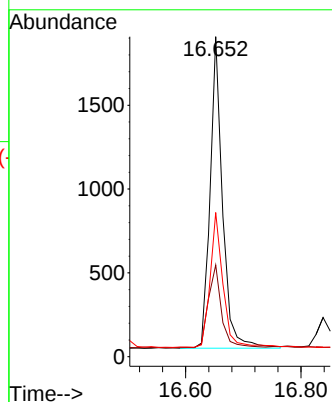
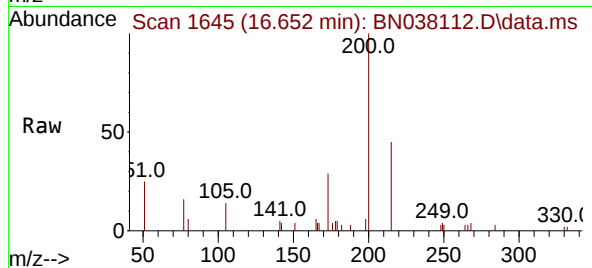




#23
Atrazine
Concen: 0.183 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

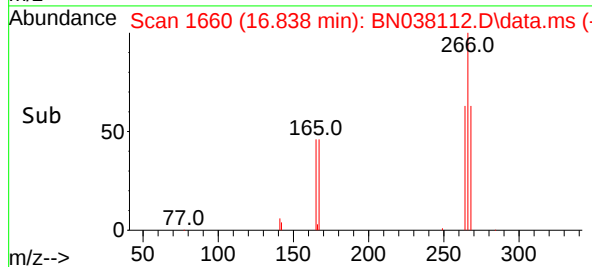
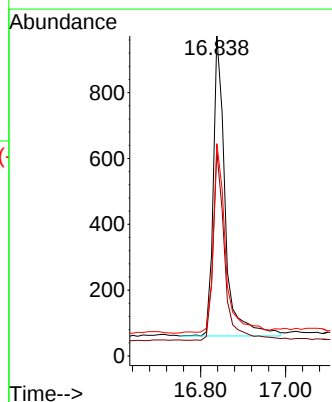
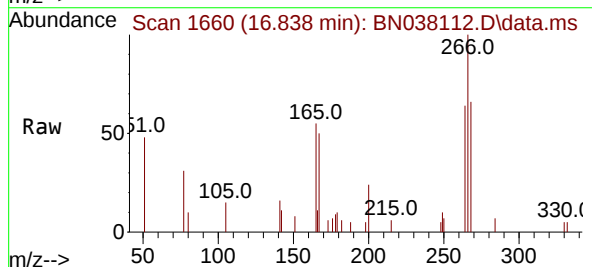
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

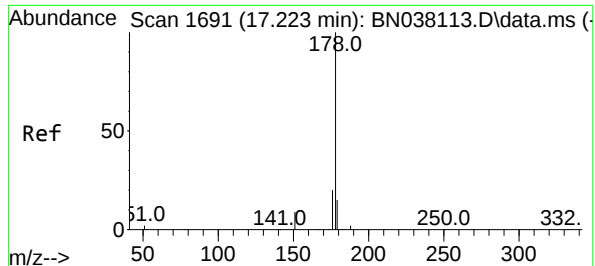
Tgt Ion:200 Resp: 2774
Ion Ratio Lower Upper
200 100
173 28.7 21.4 32.2
215 45.0 36.7 55.1



#24
Pentachlorophenol
Concen: 0.175 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:266 Resp: 1769
Ion Ratio Lower Upper
266 100
264 61.0 49.3 73.9
268 65.9 50.6 75.8

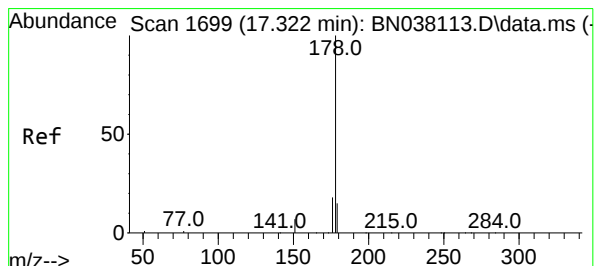
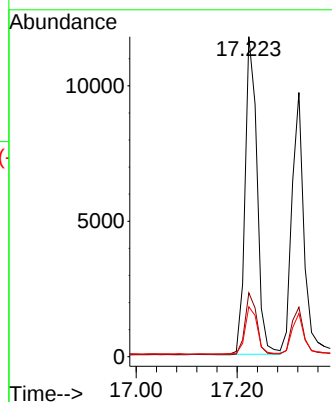
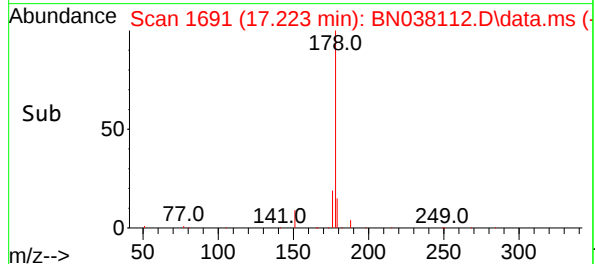
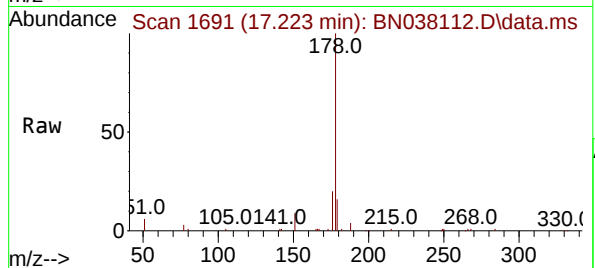




#25
Phenanthrene
Concen: 0.194 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

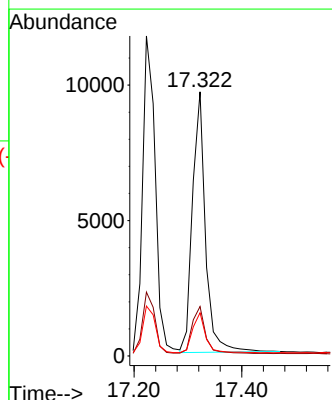
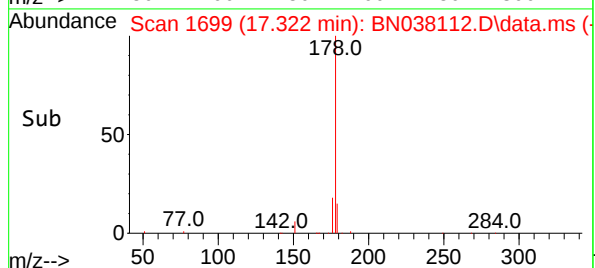
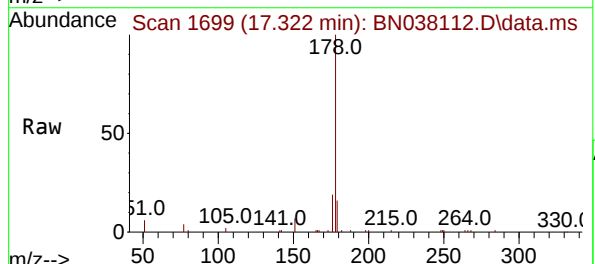
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

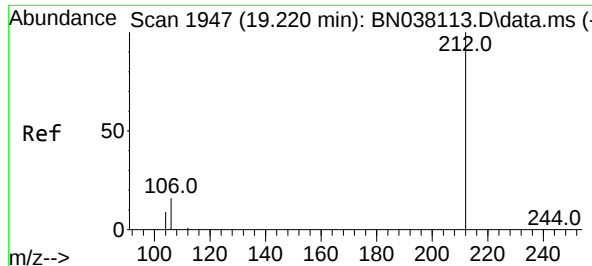
Tgt Ion:178 Resp: 19374
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.185 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:178 Resp: 16201
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.5 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.192 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

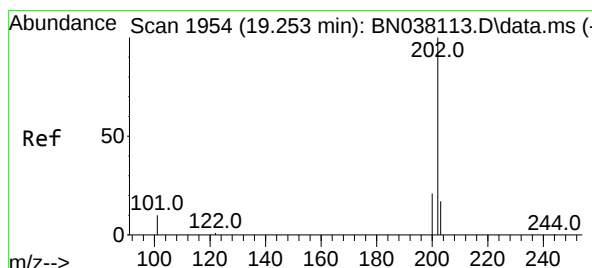
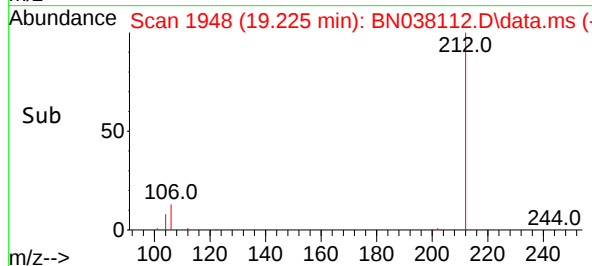
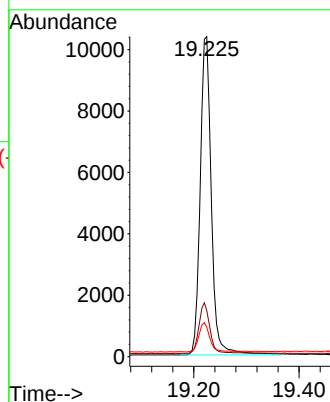
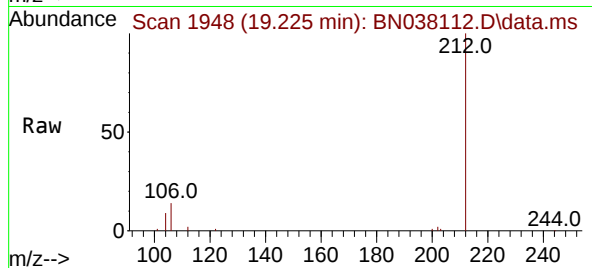
Tgt Ion:212 Resp: 15247

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.190 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

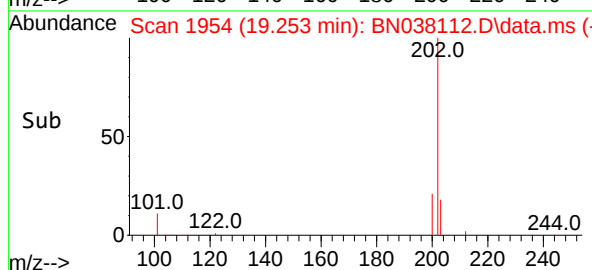
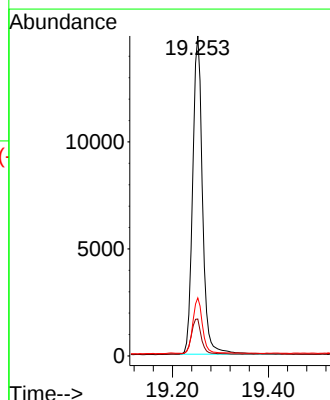
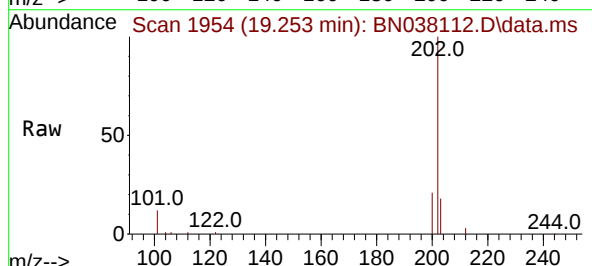
Tgt Ion:202 Resp: 21232

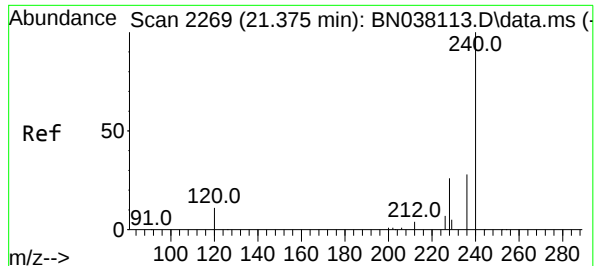
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

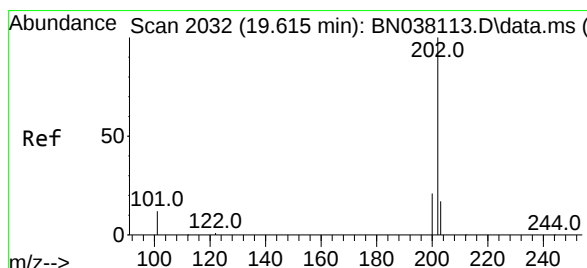
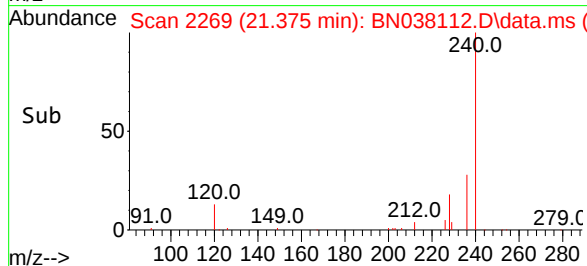
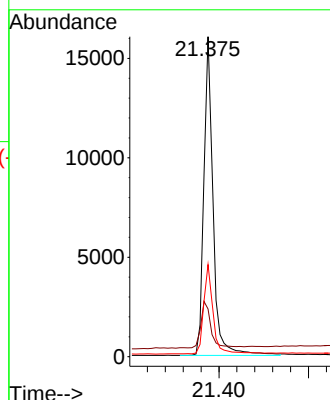
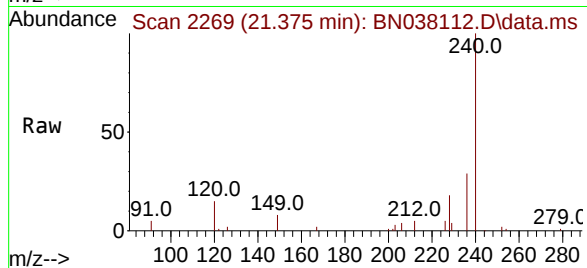
Tgt Ion:240 Resp: 23080

Ion Ratio Lower Upper

240 100

120 14.9 10.7 16.1

236 28.8 23.1 34.7



#30

Pyrene

Concen: 0.205 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

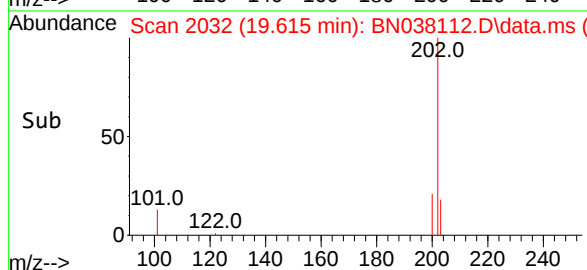
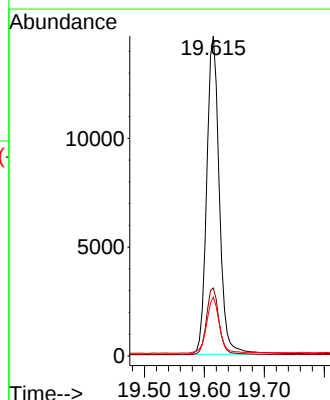
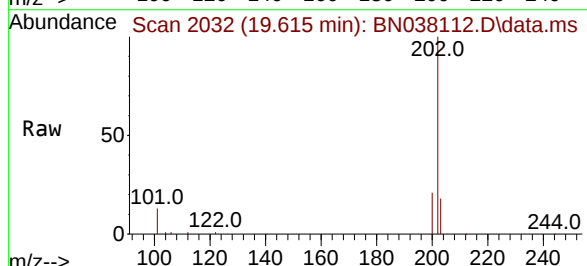
Tgt Ion:202 Resp: 21387

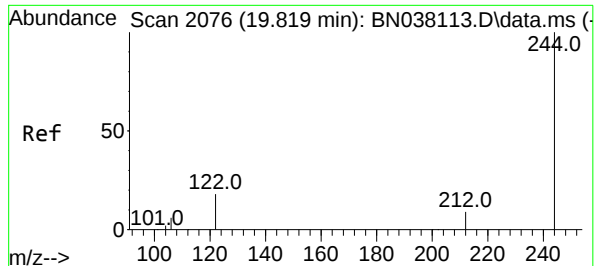
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

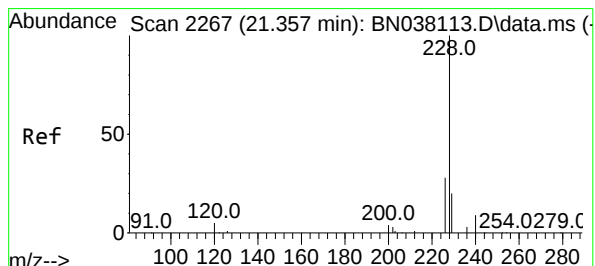
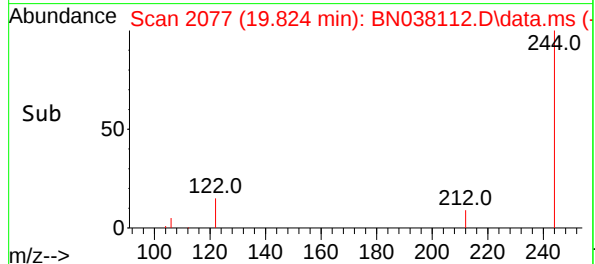
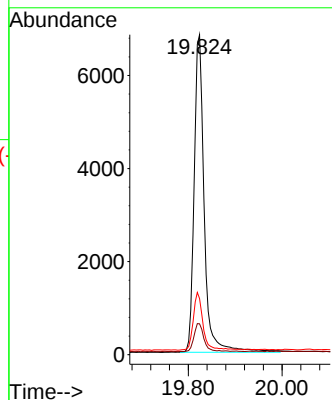
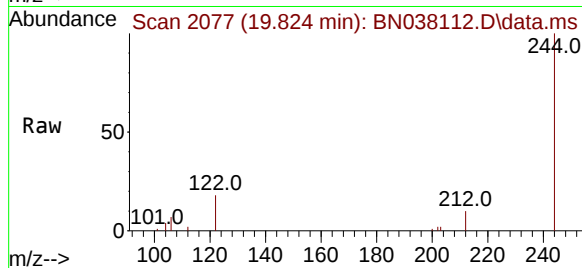




#31
Terphenyl-d14
Concen: 0.203 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

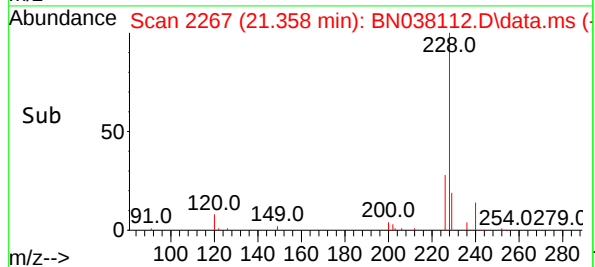
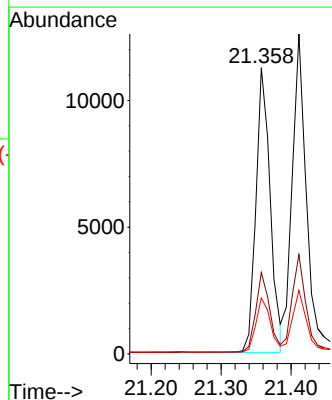
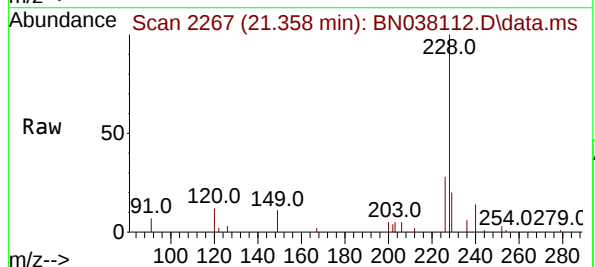
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

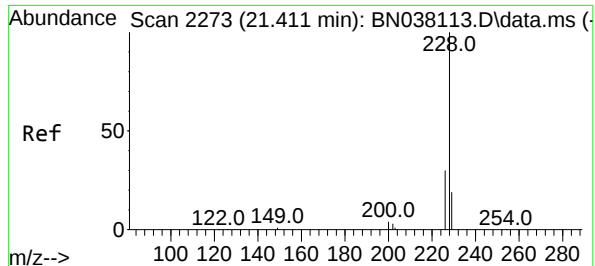
Tgt Ion:244 Resp: 10170
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 17.6 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:228 Resp: 15917
Ion Ratio Lower Upper
228 100
226 28.5 22.2 33.4
229 19.5 15.8 23.8





#33

Chrysene

Concen: 0.205 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

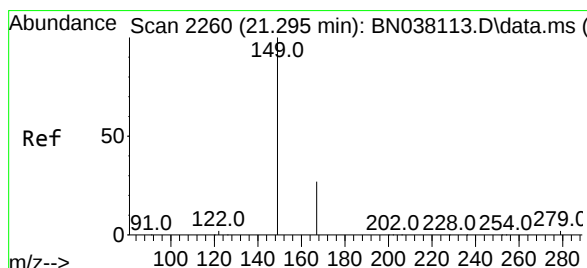
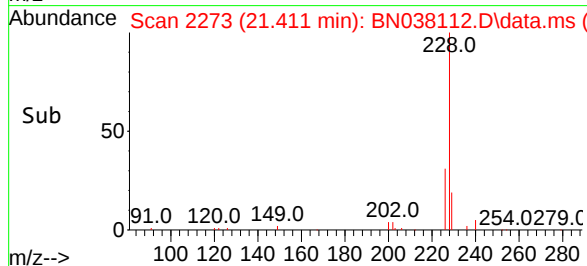
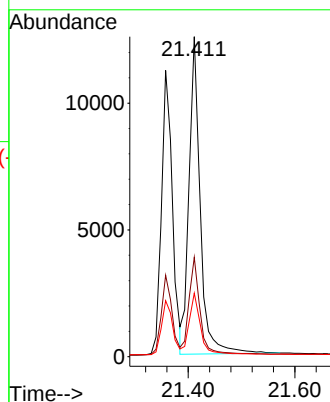
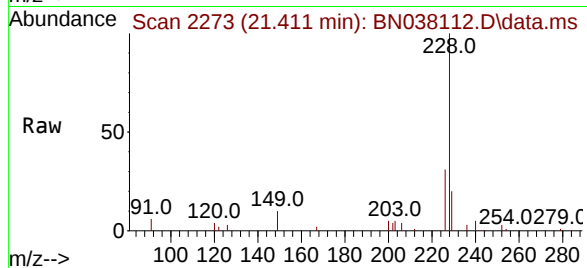
Tgt Ion:228 Resp: 18301

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

229 19.9 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.242 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

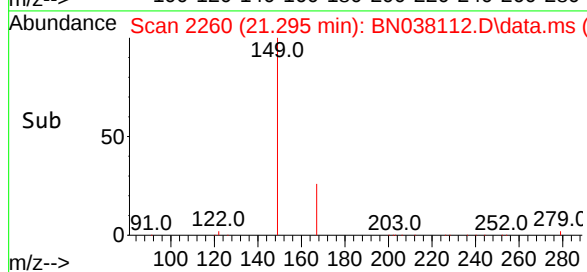
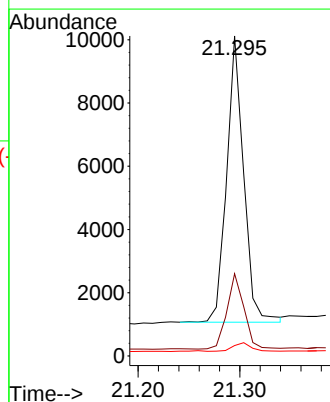
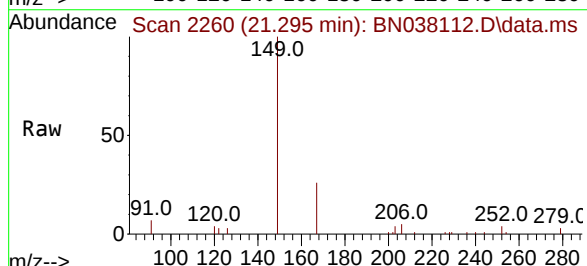
Tgt Ion:149 Resp: 10496

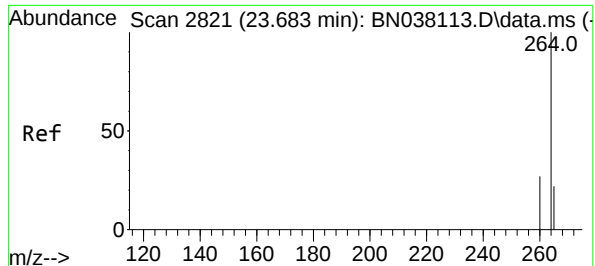
Ion Ratio Lower Upper

149 100

167 26.3 21.1 31.7

279 3.1 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

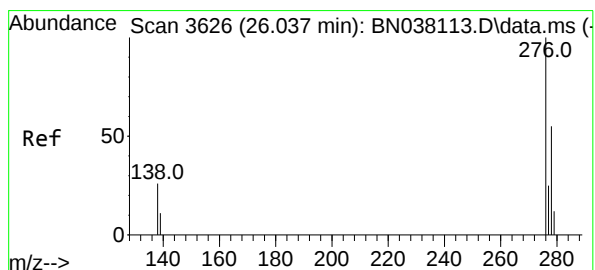
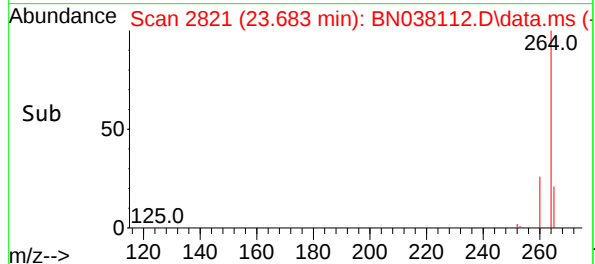
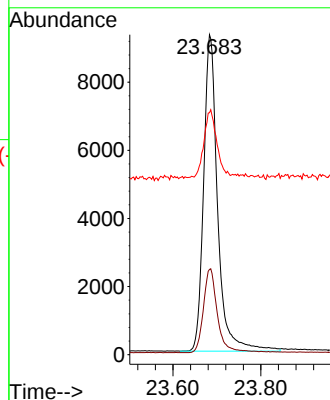
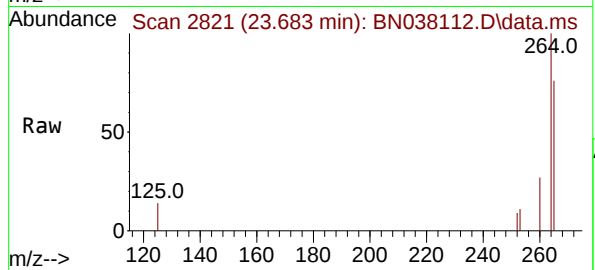
Tgt Ion:264 Resp: 20598

Ion Ratio Lower Upper

264 100

260 26.6 21.8 32.8

265 75.6 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.184 ng

RT: 26.039 min Scan# 3627

Delta R.T. 0.006 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

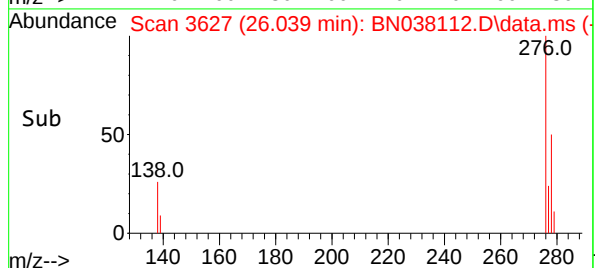
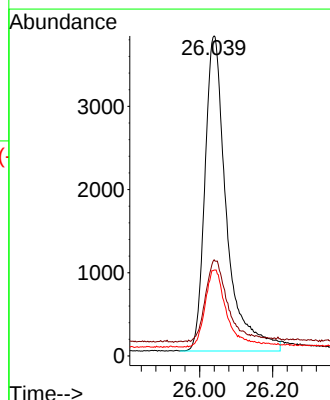
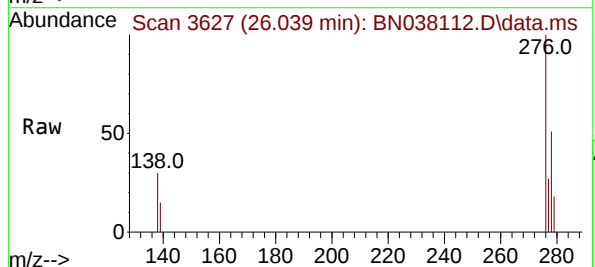
Tgt Ion:276 Resp: 15575

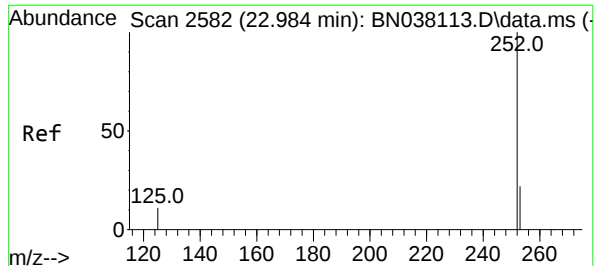
Ion Ratio Lower Upper

276 100

138 25.6 21.4 32.0

277 24.2 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.180 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

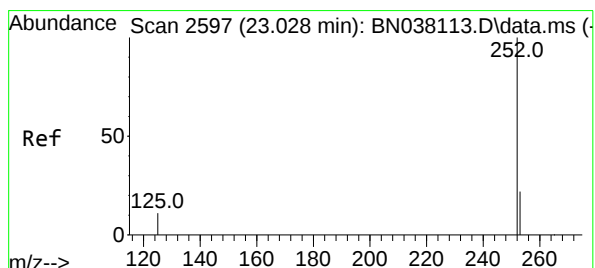
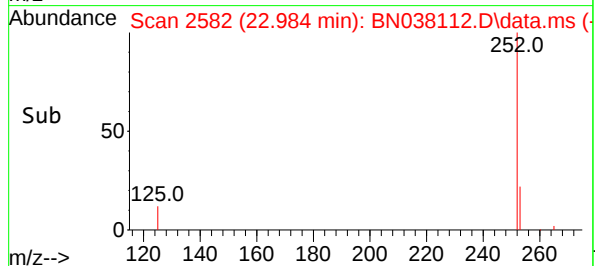
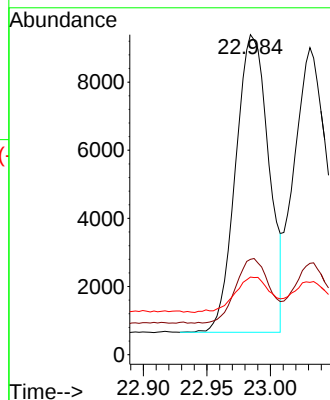
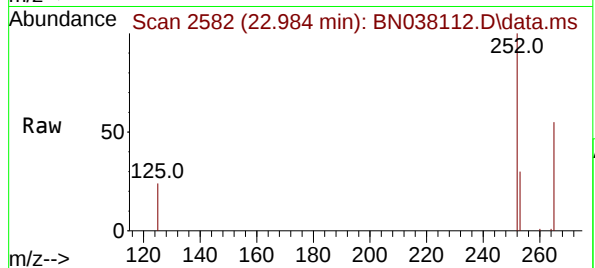
Tgt Ion:252 Resp: 15888

Ion Ratio Lower Upper

252 100

253 29.8 20.9 31.3

125 24.3 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 0.185 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

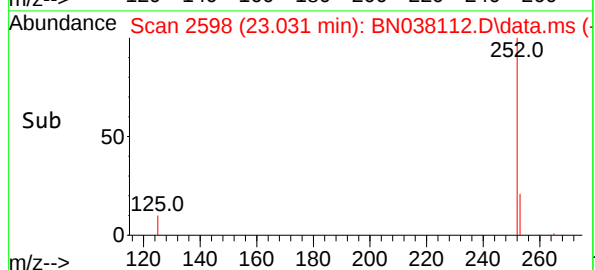
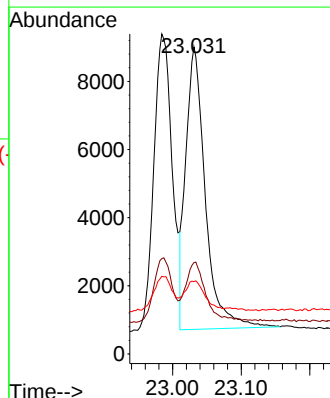
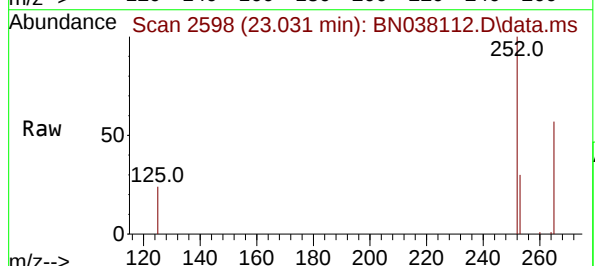
Tgt Ion:252 Resp: 16371

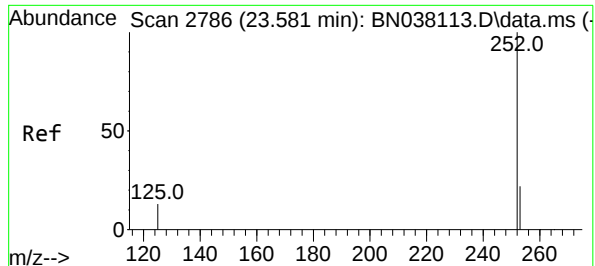
Ion Ratio Lower Upper

252 100

253 29.7 21.2 31.8

125 23.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.186 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

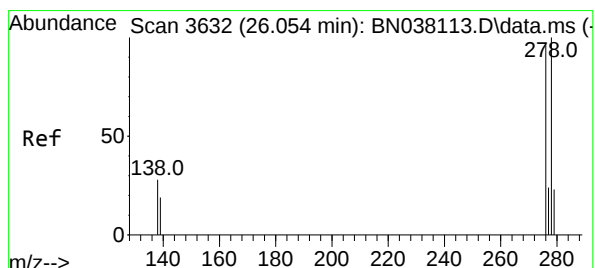
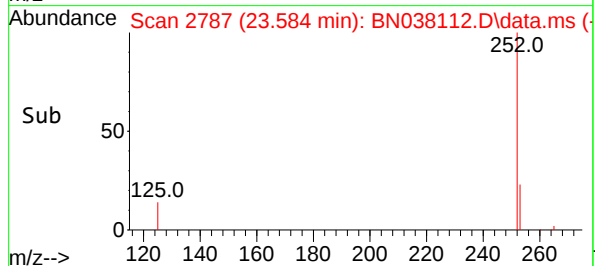
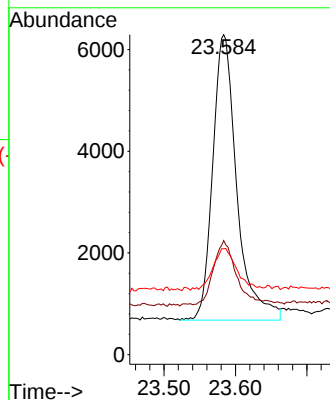
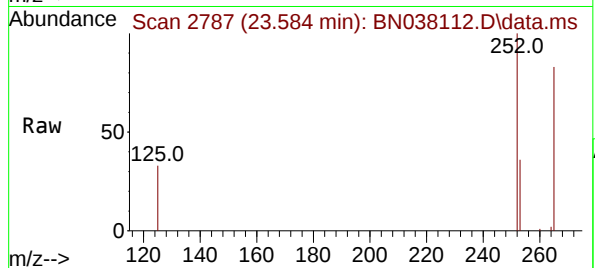
Tgt Ion:252 Resp: 13137

Ion Ratio Lower Upper

252 100

253 35.6 23.1 34.7#

125 33.1 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.182 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.009 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

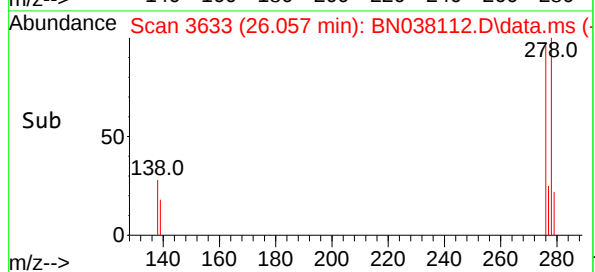
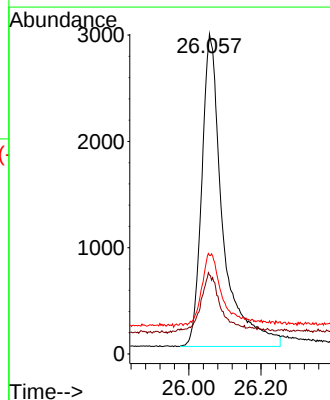
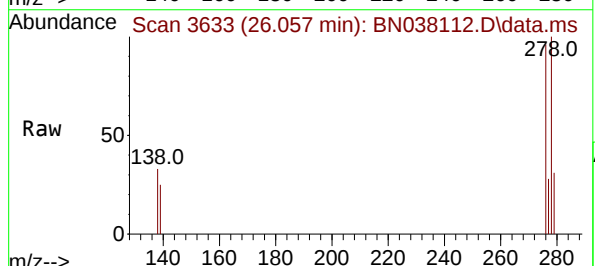
Tgt Ion:278 Resp: 11845

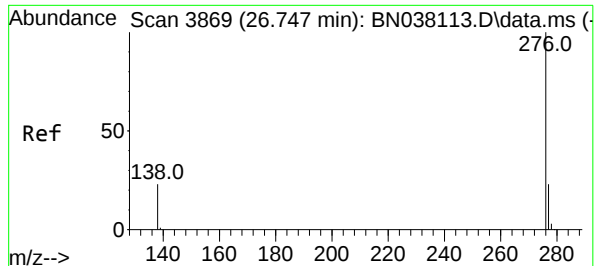
Ion Ratio Lower Upper

278 100

139 24.7 17.6 26.4

279 30.8 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.189 ng

RT: 26.753 min Scan# 3871

Delta R.T. 0.003 min

Lab File: BN038112.D

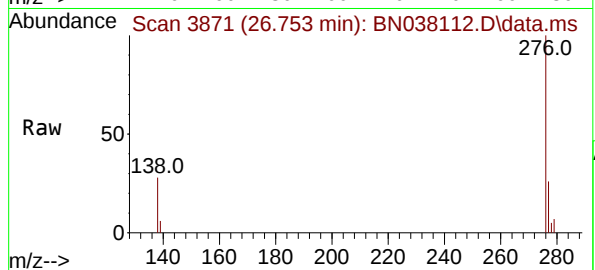
Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



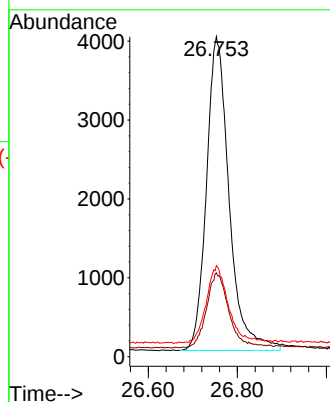
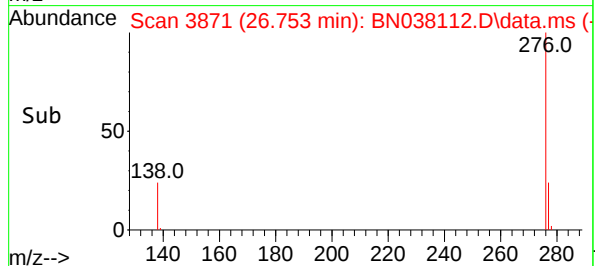
Tgt Ion:276 Resp: 14055

Ion Ratio Lower Upper

276 100

277 26.2 19.7 29.5

138 28.5 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038113.D
 Acq On : 28 Oct 2025 14:13
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Oct 28 17:31:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

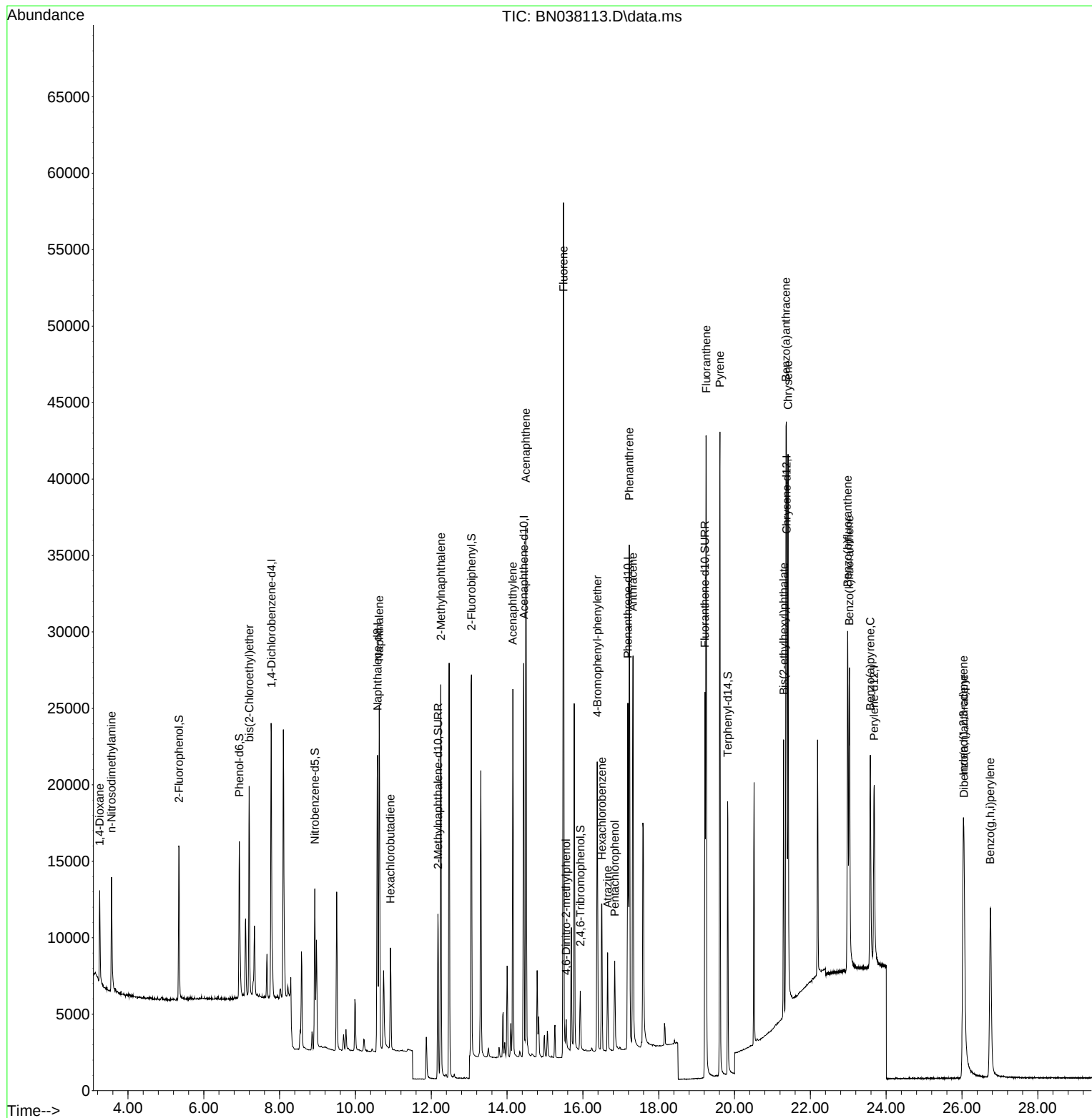
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	9189	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27629	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15496	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	29547	0.400	ng	0.00
29) Chrysene-d12	21.375	240	21529	0.400	ng	0.00
35) Perylene-d12	23.683	264	17966	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8768	0.405	ng	0.00
5) Phenol-d6	6.937	99	10420	0.395	ng	0.00
8) Nitrobenzene-d5	8.929	82	8652	0.388	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	15231	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2303	0.361	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	24443	0.394	ng	0.01
27) Fluoranthene-d10	19.220	212	28227	0.379	ng	0.00
31) Terphenyl-d14	19.819	244	18767	0.401	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3895	0.410	ng	100
3) n-Nitrosodimethylamine	3.564	42	4910	0.402	ng	100
6) bis(2-Chloroethyl)ether	7.197	93	10402	0.402	ng	100
9) Naphthalene	10.626	128	29858	0.392	ng	100
10) Hexachlorobutadiene	10.925	225	5174	0.403	ng	# 100
12) 2-Methylnaphthalene	12.253	142	19577	0.386	ng	100
16) Acenaphthylene	14.152	152	26507	0.378	ng	100
17) Acenaphthene	14.494	154	18774	0.382	ng	100
18) Fluorene	15.489	166	24733	0.384	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	1329	0.375	ng	100
21) 4-Bromophenyl-phenylether	16.379	248	7383	0.381	ng	100
22) Hexachlorobenzene	16.503	284	8778	0.398	ng	100
23) Atrazine	16.652	200	5175	0.365	ng	100
24) Pentachlorophenol	16.838	266	3182	0.335	ng	100
25) Phenanthrene	17.223	178	36093	0.385	ng	100
26) Anthracene	17.322	178	30869	0.376	ng	100
28) Fluoranthene	19.253	202	39664	0.378	ng	100
30) Pyrene	19.615	202	39644	0.408	ng	100
32) Benzo(a)anthracene	21.357	228	29230	0.381	ng	100
33) Chrysene	21.411	228	33214	0.398	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	15540	0.384	ng	100
36) Indeno(1,2,3-cd)pyrene	26.037	276	28812	0.390	ng	100
37) Benzo(b)fluoranthene	22.984	252	29283	0.381	ng	100
38) Benzo(k)fluoranthene	23.028	252	29088	0.376	ng	100
39) Benzo(a)pyrene	23.581	252	23635	0.384	ng	100
40) Dibenzo(a,h)anthracene	26.054	278	21487	0.378	ng	100
41) Benzo(g,h,i)perylene	26.747	276	25622	0.395	ng	100

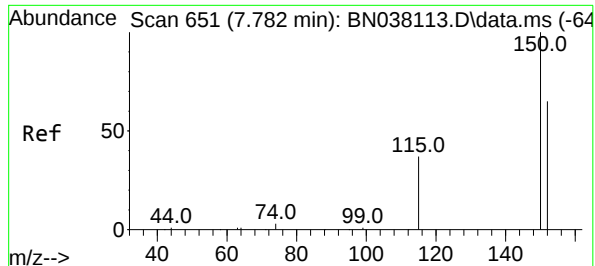
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038113.D
 Acq On : 28 Oct 2025 14:13
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

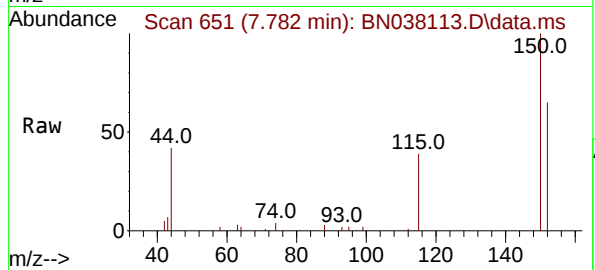
Quant Time: Oct 28 17:31:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration



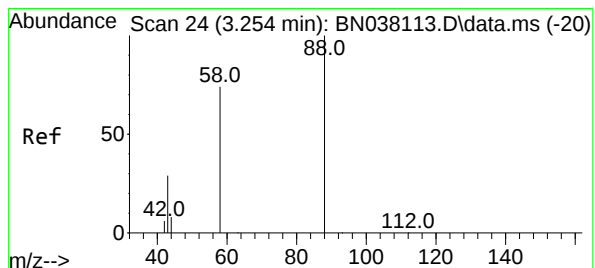
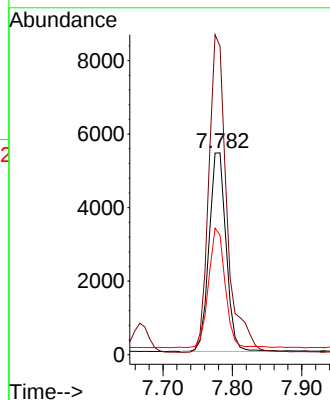
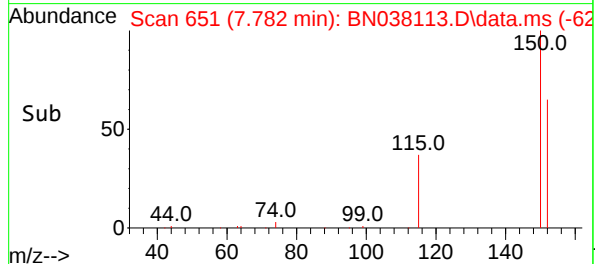


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

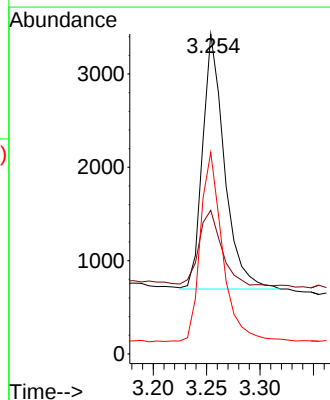
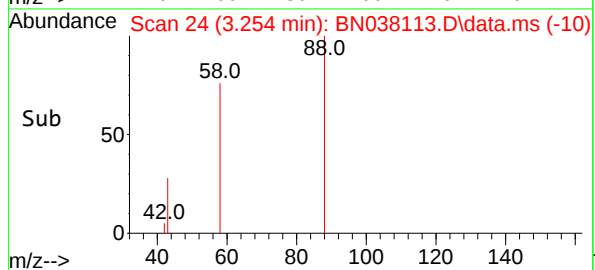
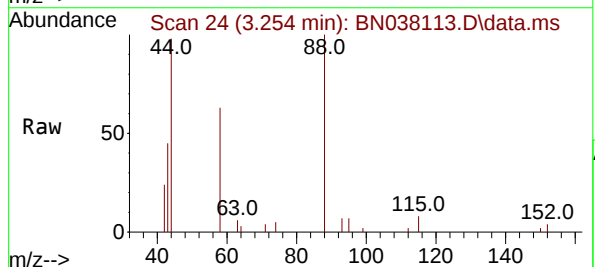


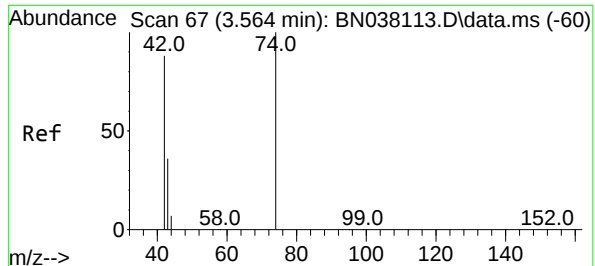
Tgt Ion:152 Resp: 9189
Ion Ratio Lower Upper
152 100
150 152.9 122.3 183.5
115 59.2 47.4 71.0



#2
1,4-Dioxane
Concen: 0.410 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 88 Resp: 3895
Ion Ratio Lower Upper
88 100
43 30.4 24.3 36.5
58 75.5 60.4 90.6

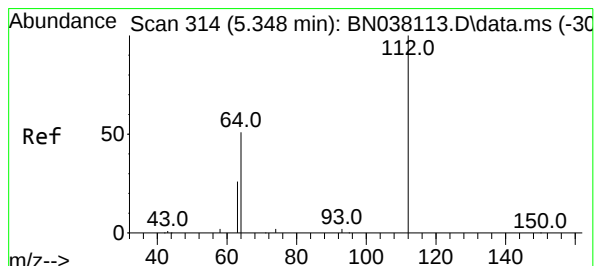
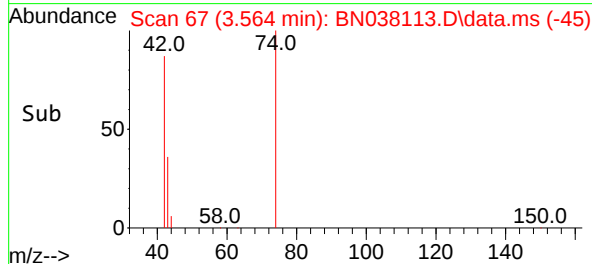
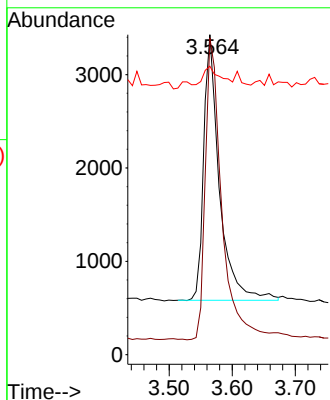
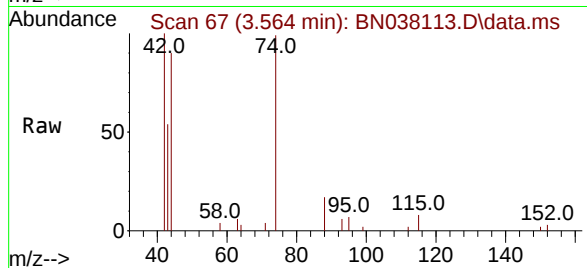




#3
n-Nitrosodimethylamine
Concen: 0.402 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

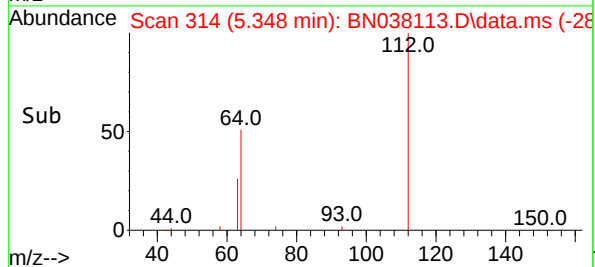
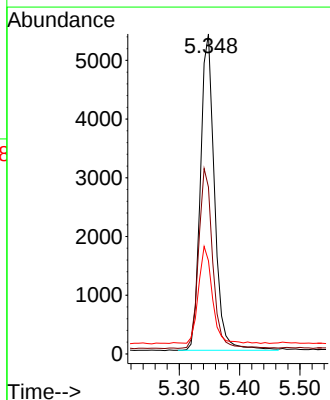
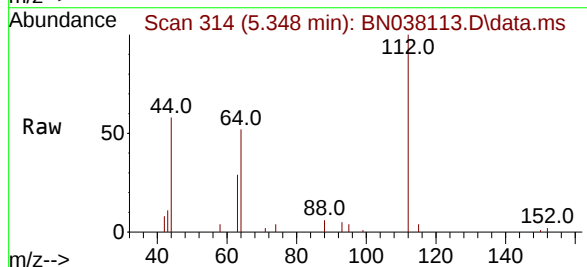
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

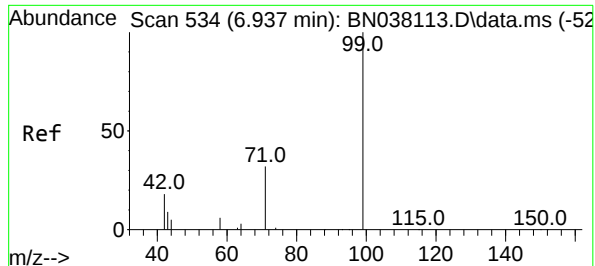
Tgt Ion: 42 Resp: 4910
Ion Ratio Lower Upper
42 100
74 121.1 96.8 145.2
44 6.7 5.3 7.9



#4
2-Fluorophenol
Concen: 0.405 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 112 Resp: 8768
Ion Ratio Lower Upper
112 100
64 56.7 45.4 68.0
63 29.0 23.2 34.8

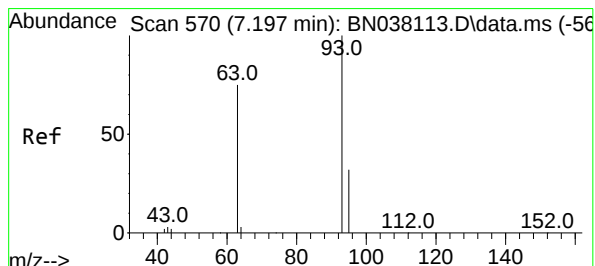
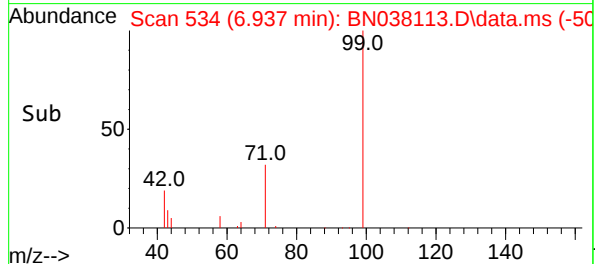
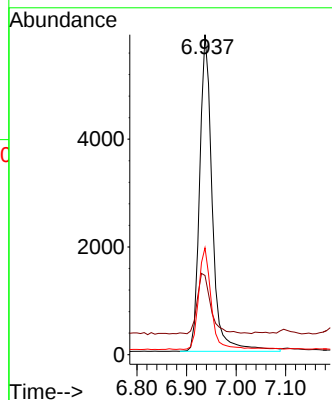
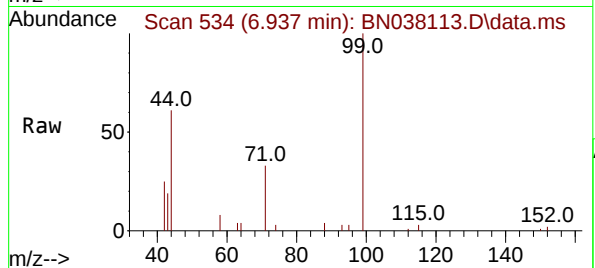




#5
Phenol-d6
Concen: 0.395 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

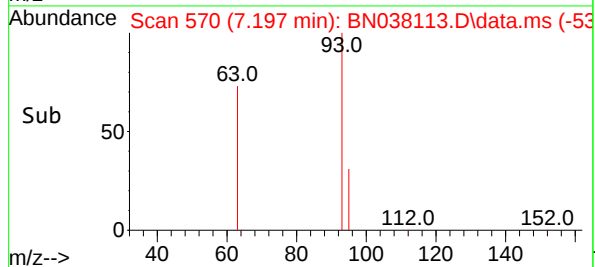
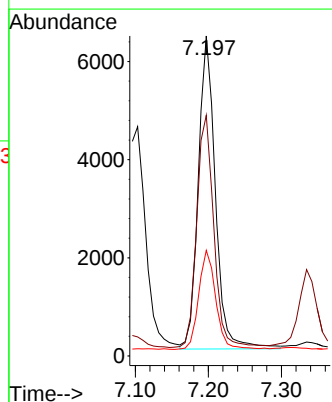
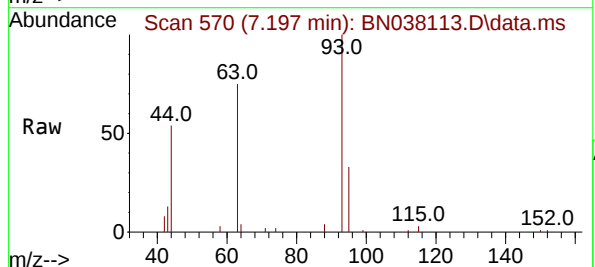
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

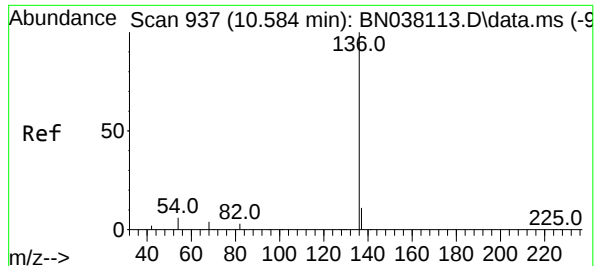
Tgt Ion: 99 Resp: 10420
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 31.8 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 93 Resp: 10402
Ion Ratio Lower Upper
93 100
63 73.7 59.3 88.9
95 31.4 25.2 37.8

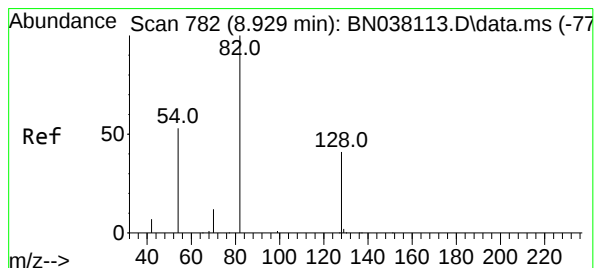
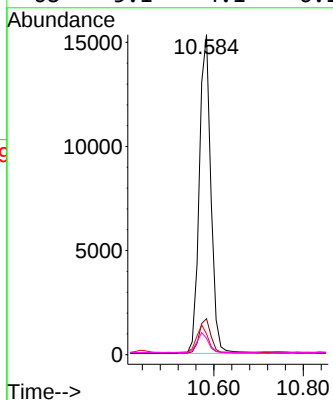
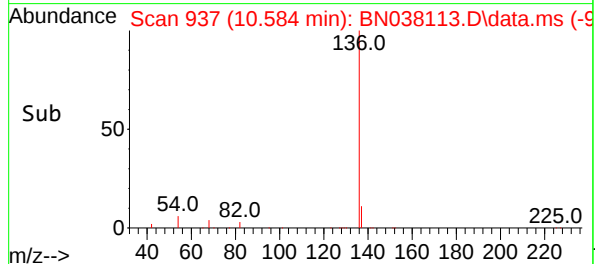
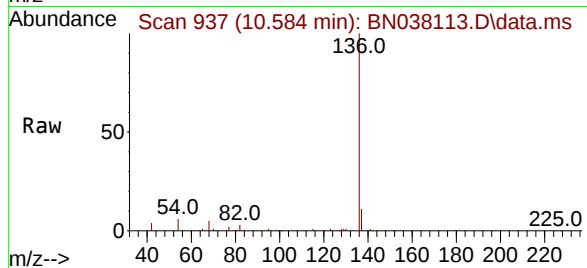




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

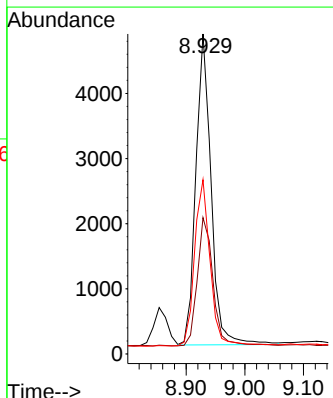
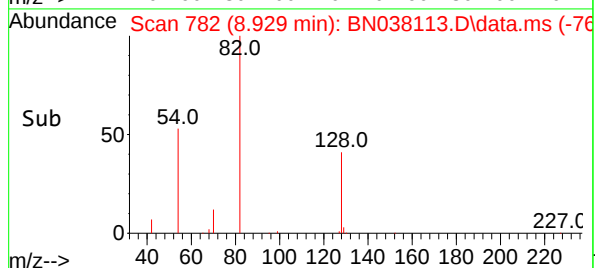
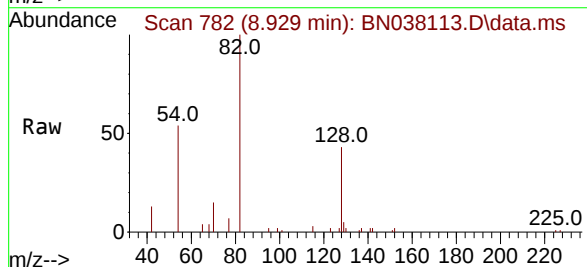
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

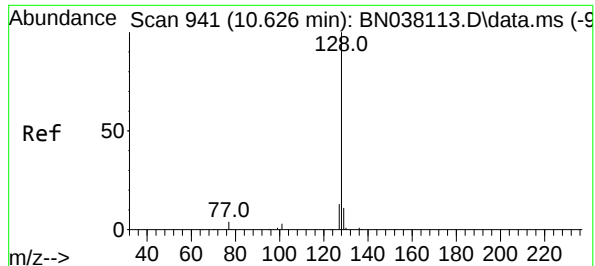
Tgt Ion:136 Resp: 27629
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.5 5.2 7.8
68 5.1 4.1 6.1



#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 82 Resp: 8652
Ion Ratio Lower Upper
82 100
128 42.6 34.1 51.1
54 54.4 43.5 65.3

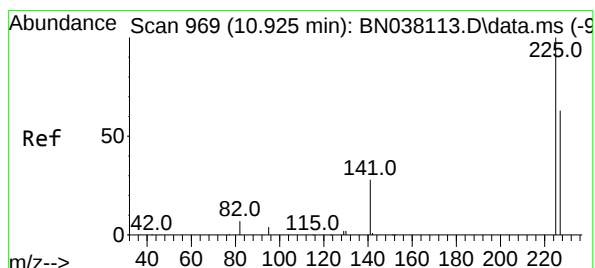
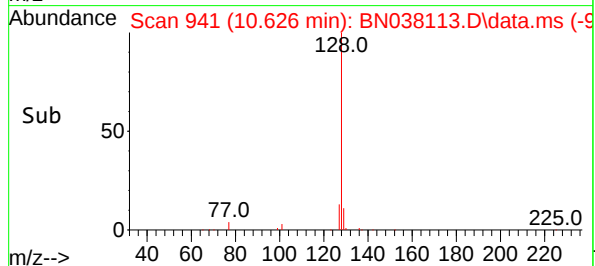
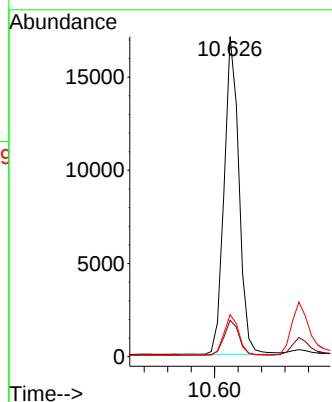
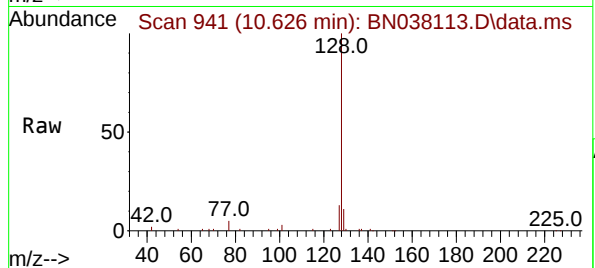




#9
Naphthalene
Concen: 0.392 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

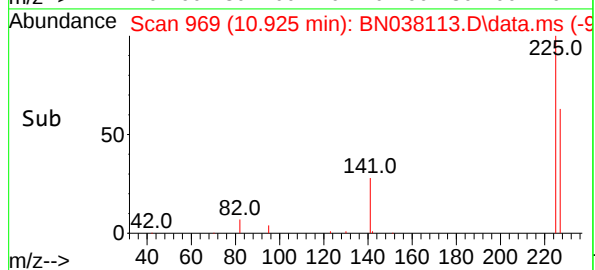
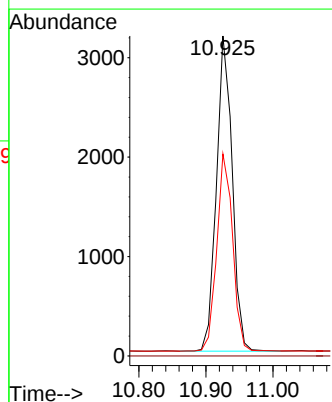
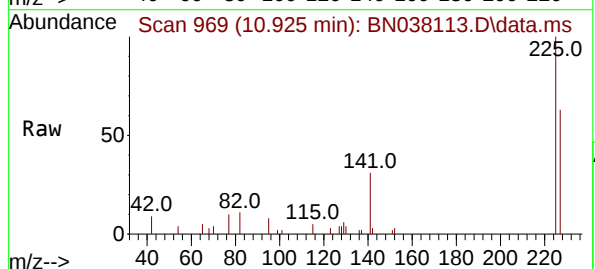
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

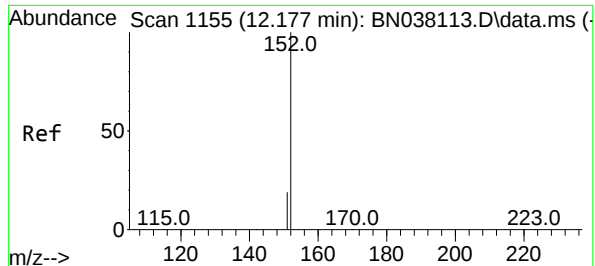
Tgt Ion	128	129	127
Resp:	29858		
Ion Ratio	100	11.4	13.1
Lower		9.1	10.5
Upper		13.7	15.7



#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion	225	223	227
Resp:	5174		
Ion Ratio	100	0.0	62.9
Lower		0.0	50.3
Upper		0.0	75.5

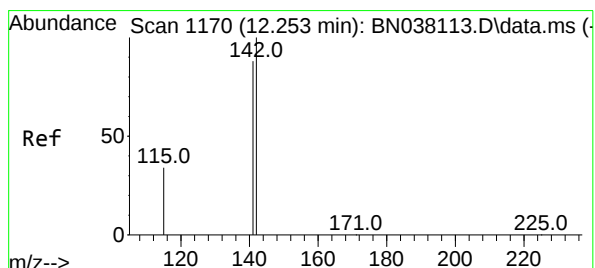
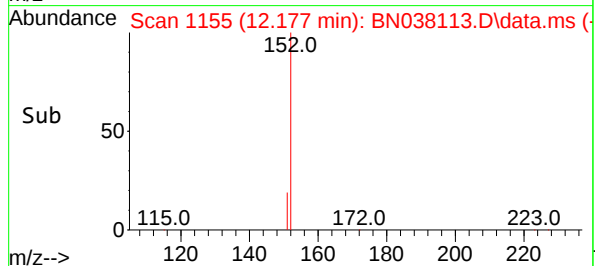
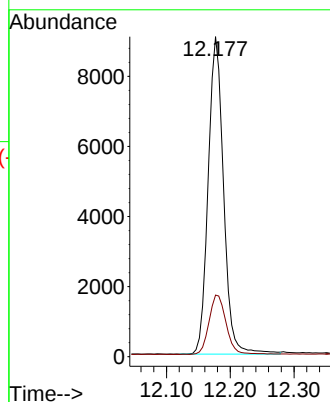
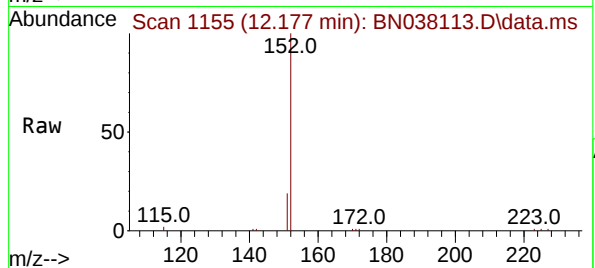




#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

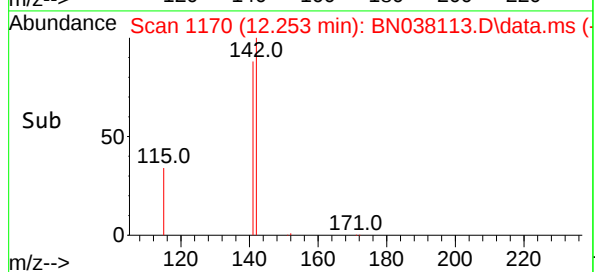
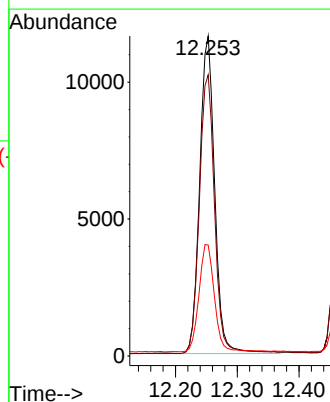
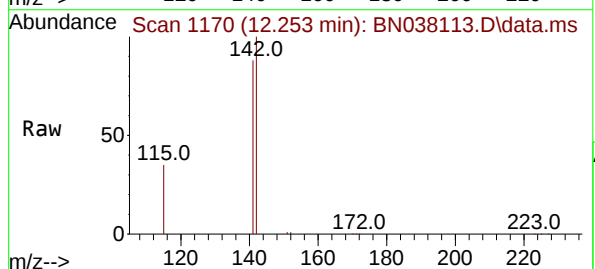
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

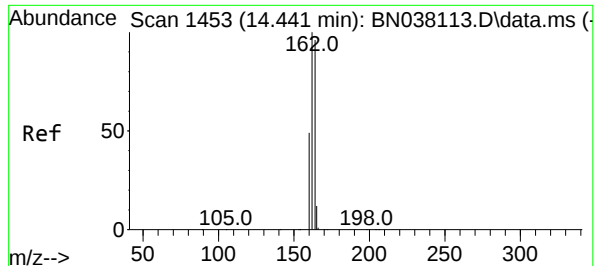
Tgt Ion:152 Resp: 15231
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:142 Resp: 19577
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 34.7 27.8 41.6

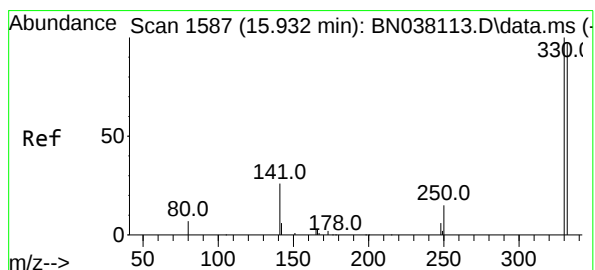
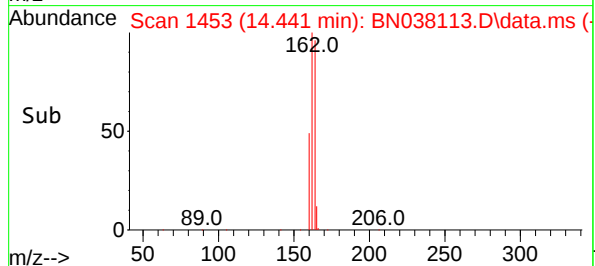
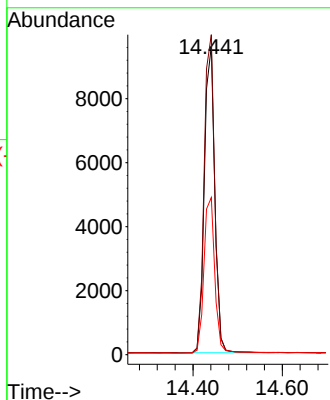
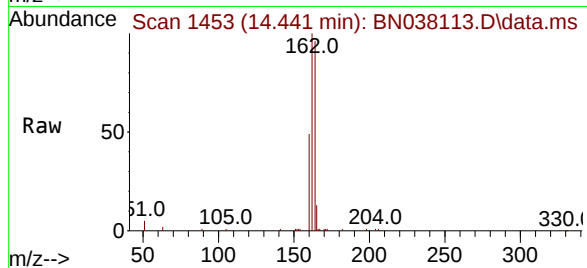




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

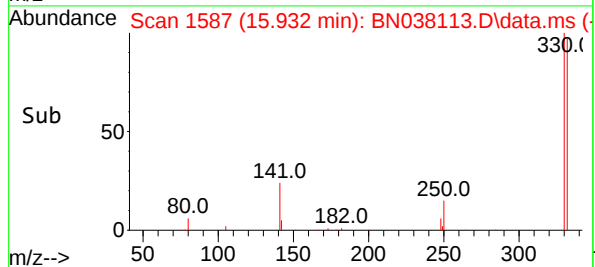
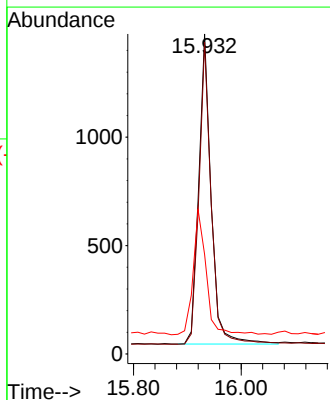
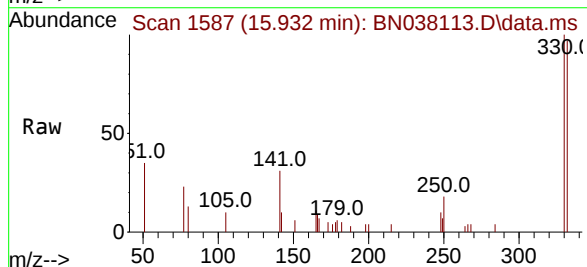
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

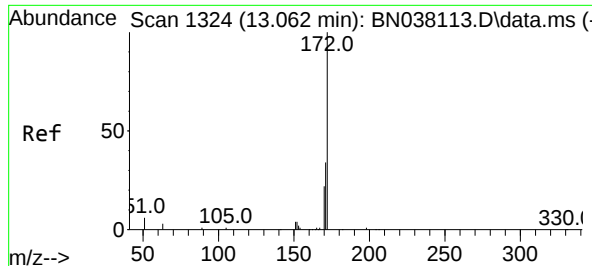
Tgt Ion:164 Resp: 15496
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 50.9 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.361 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:330 Resp: 2303
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 42.6 34.1 51.1

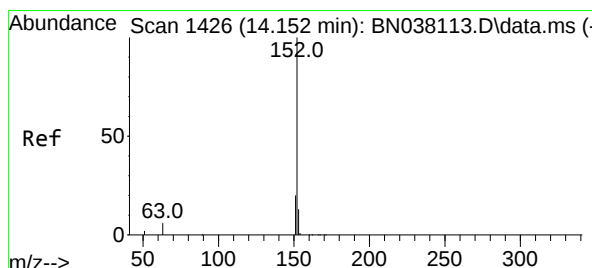
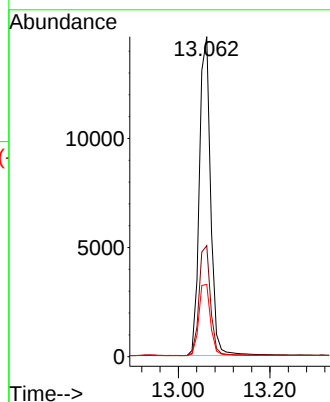
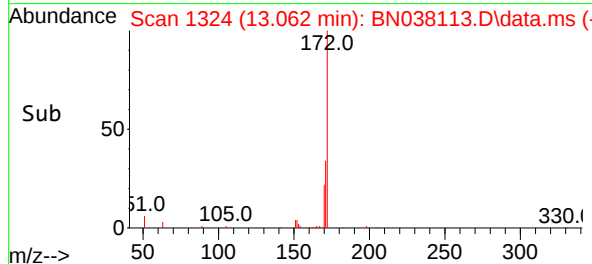
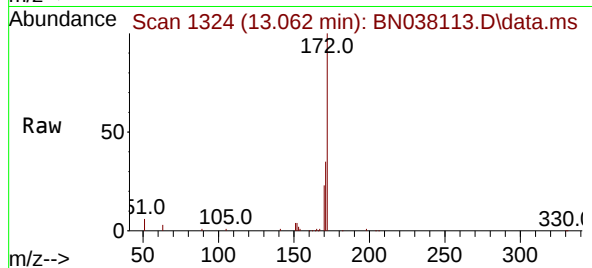




#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

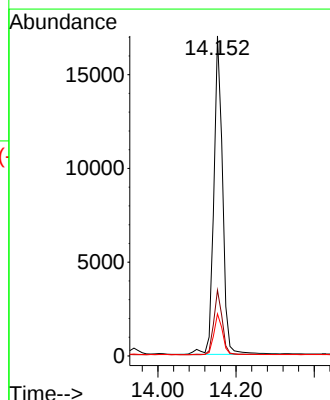
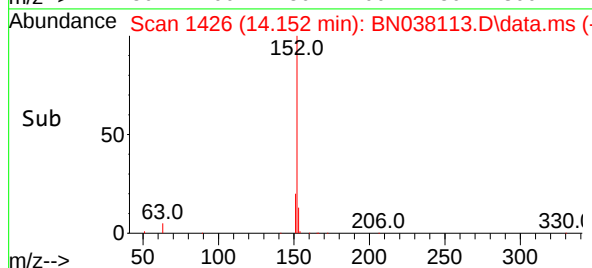
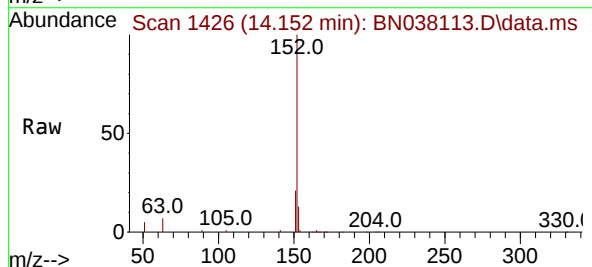
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

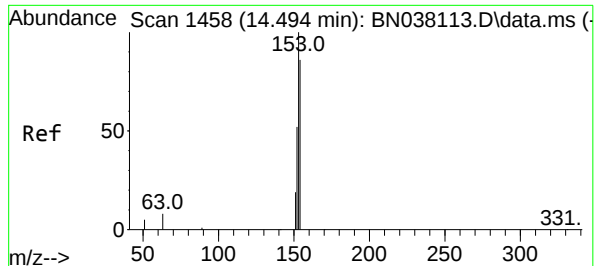
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.6	18.1	27.1



#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.7	10.2	15.2

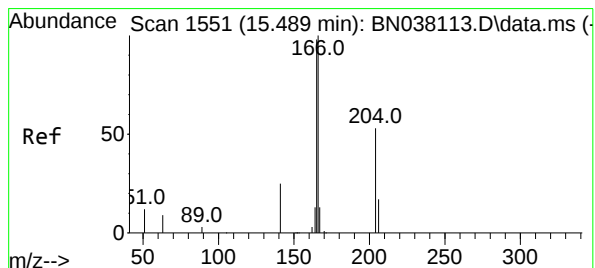
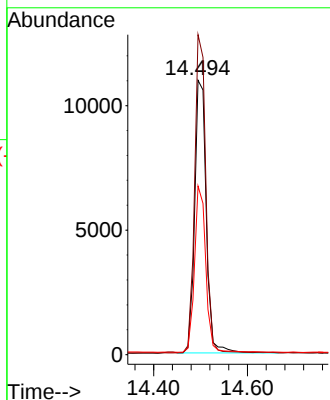
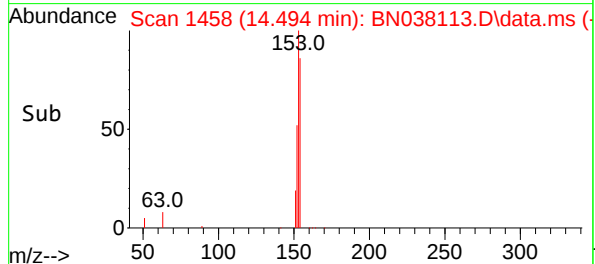
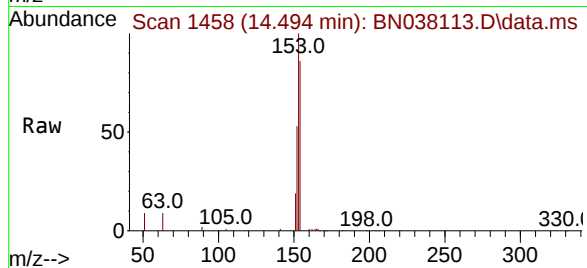




#17
Acenaphthene
Concen: 0.382 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

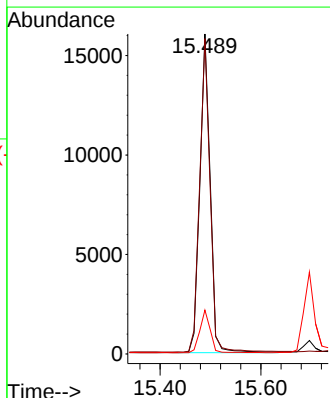
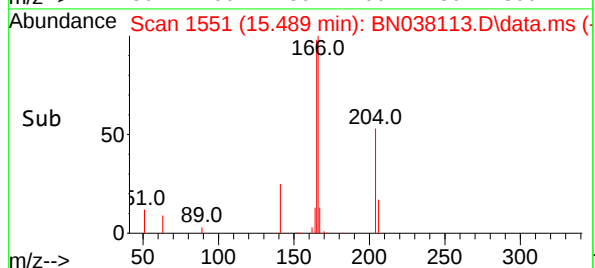
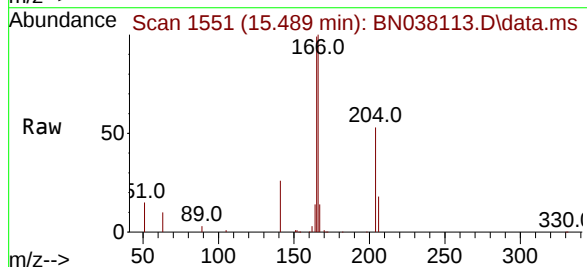
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

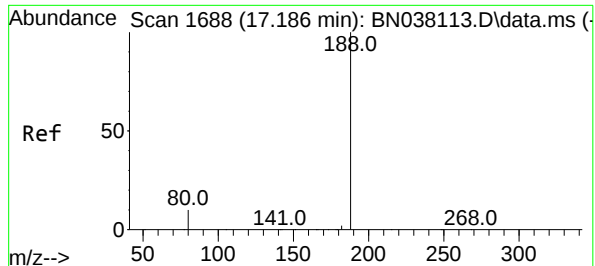
Tgt Ion:154 Resp: 18774
Ion Ratio Lower Upper
154 100
153 112.5 90.0 135.0
152 59.1 47.3 70.9



#18
Fluorene
Concen: 0.384 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:166 Resp: 24733
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

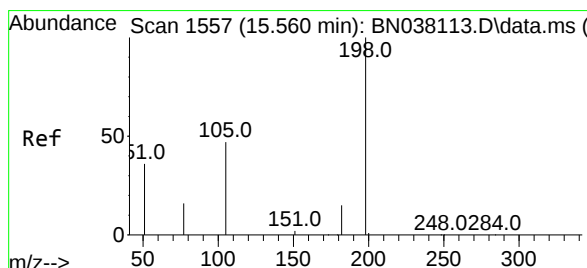
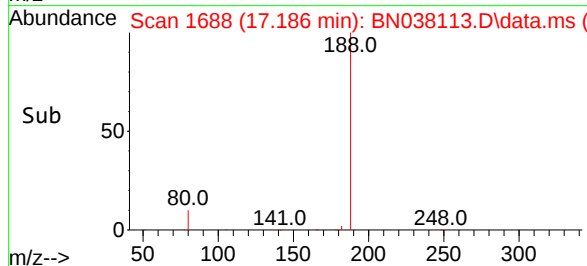
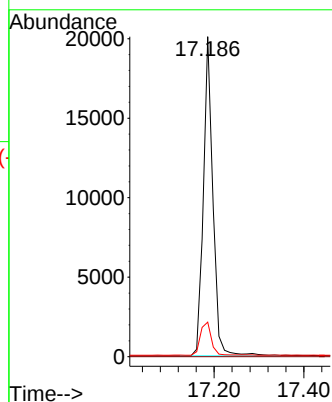
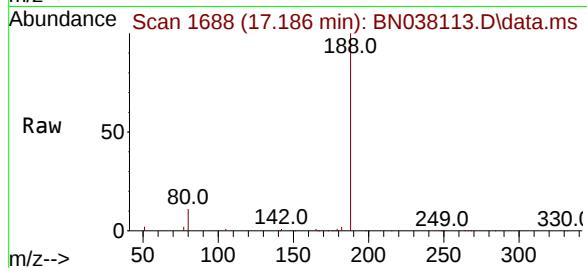
Tgt Ion:188 Resp: 29547

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.375 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

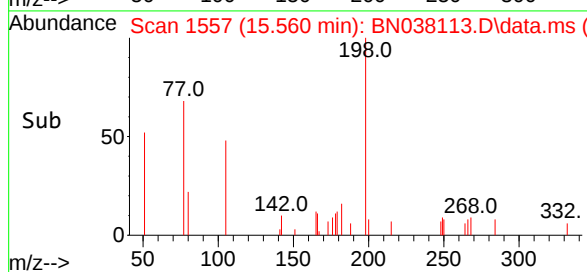
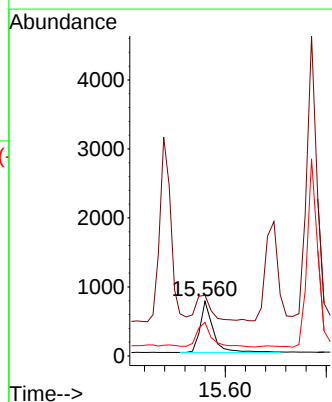
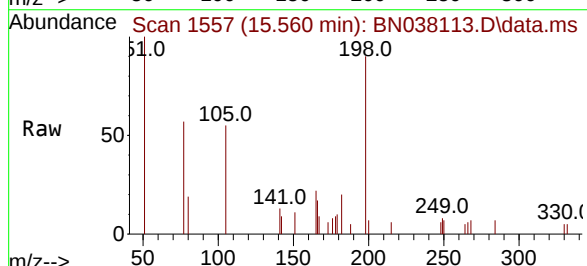
Tgt Ion:198 Resp: 1329

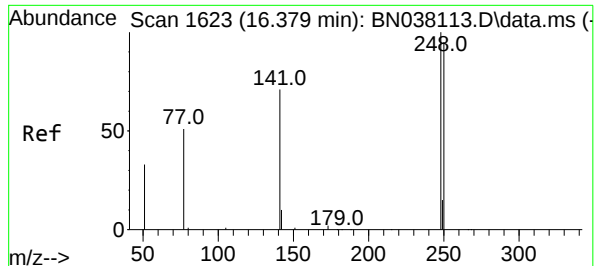
Ion Ratio Lower Upper

198 100

51 111.1 88.9 133.3

105 61.5 49.2 73.8

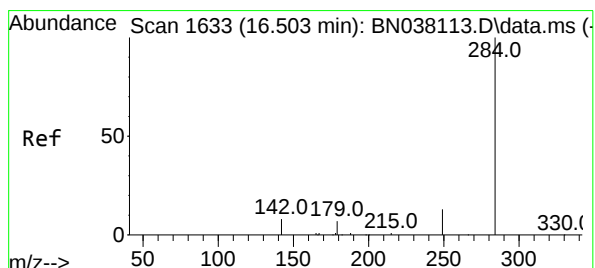
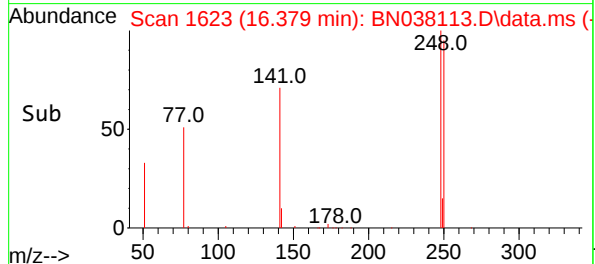
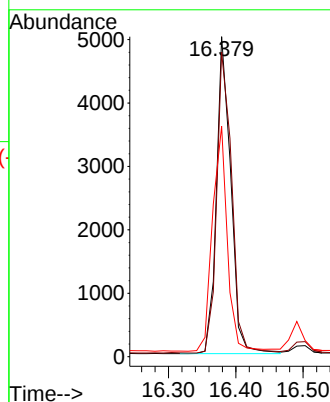
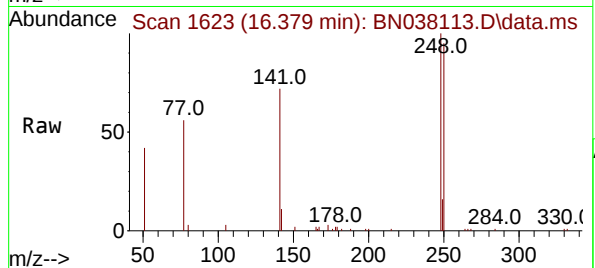




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

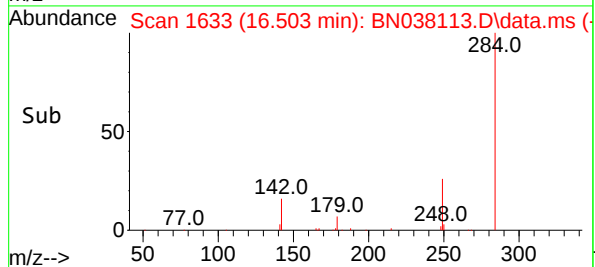
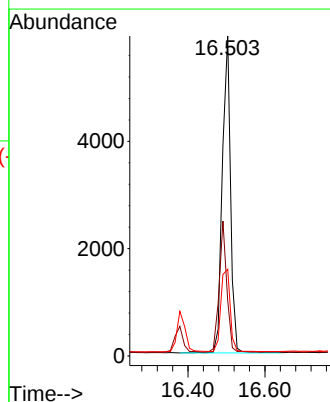
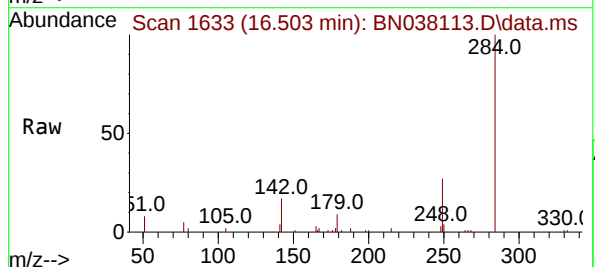
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

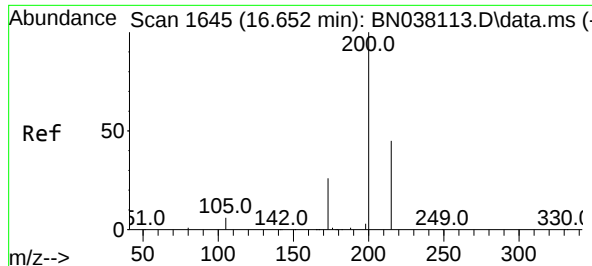
Tgt Ion:248 Resp: 7383
Ion Ratio Lower Upper
248 100
250 95.2 76.2 114.2
141 72.0 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.398 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:284 Resp: 8778
Ion Ratio Lower Upper
284 100
142 38.1 30.5 45.7
249 29.4 23.5 35.3

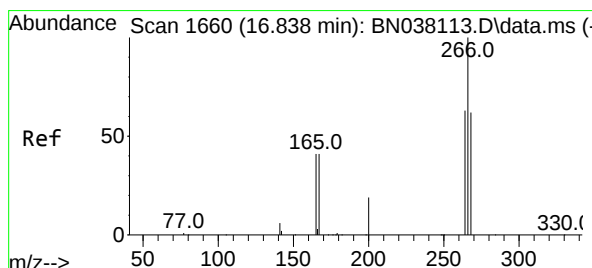
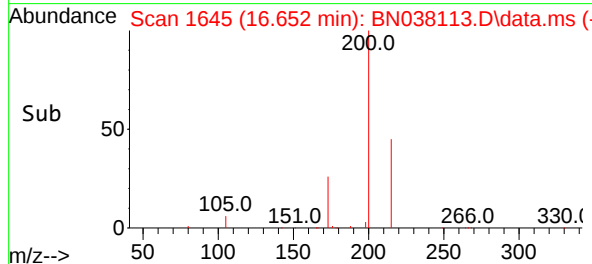
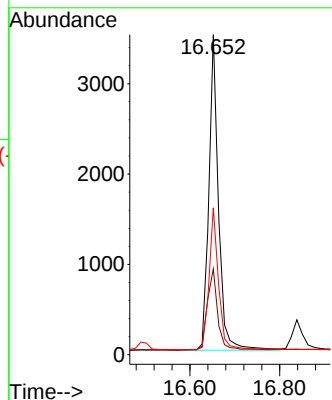
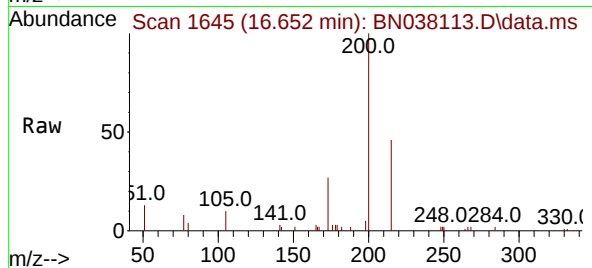




#23
Atrazine
Concen: 0.365 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

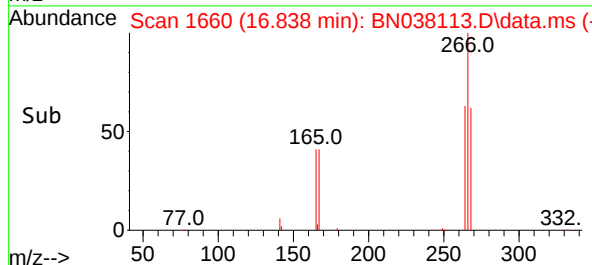
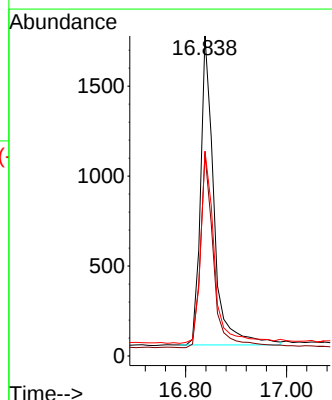
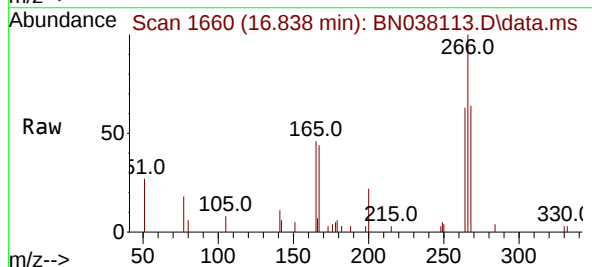
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

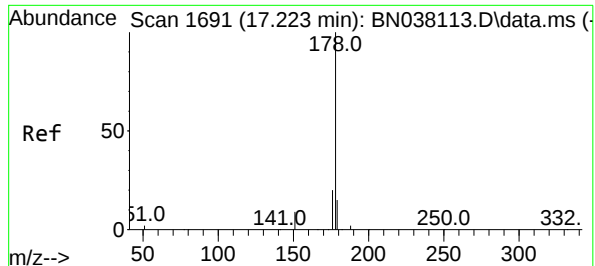
Tgt Ion	200	Resp:	5175
Ion	Ratio	Lower	Upper
200	100		
173	26.8	21.4	32.2
215	45.9	36.7	55.1



#24
Pentachlorophenol
Concen: 0.335 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion	266	Resp:	3182
Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.3	73.9
268	63.2	50.6	75.8

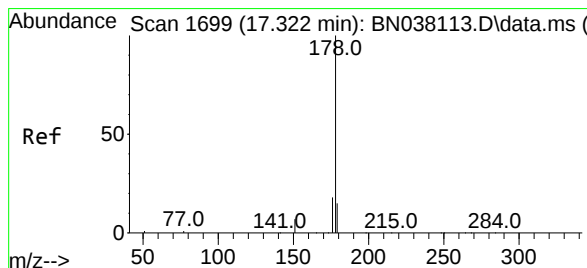
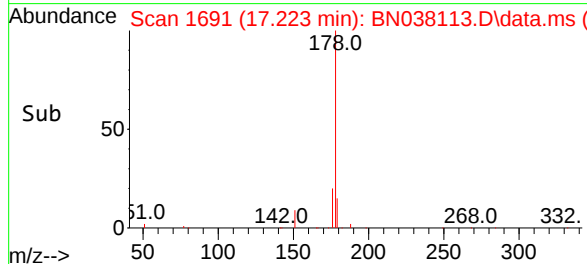
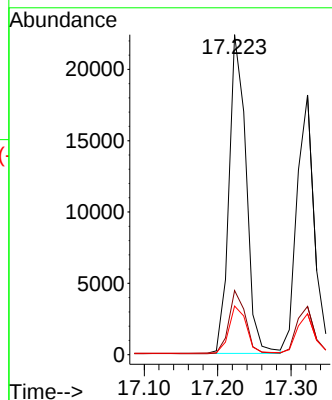
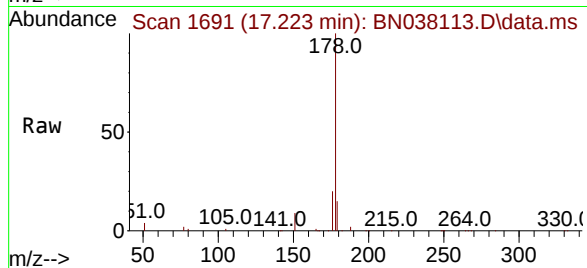




#25
Phenanthrene
Concen: 0.385 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

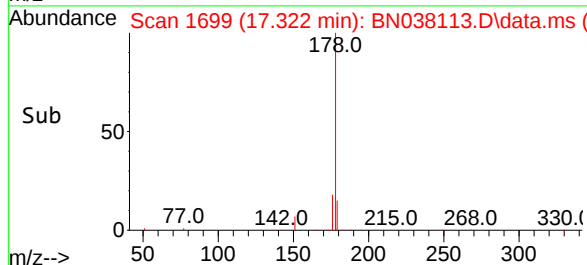
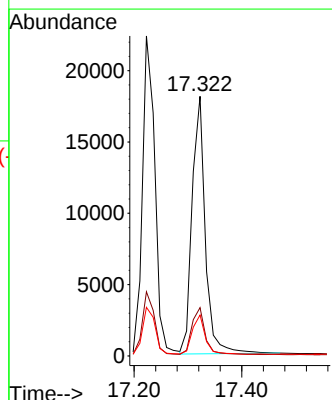
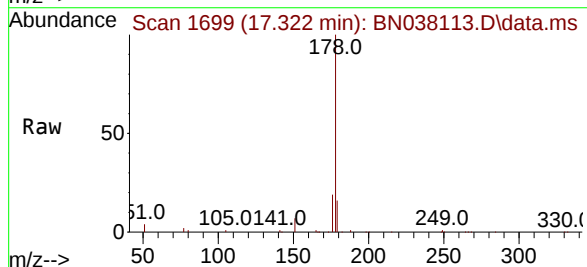
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

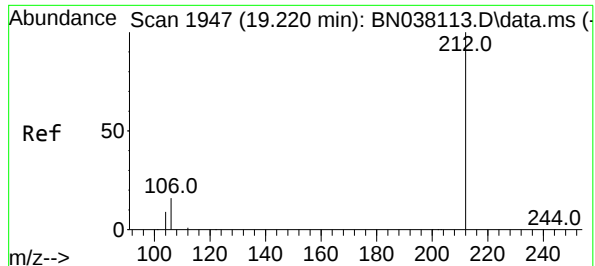
Tgt Ion:178 Resp: 36093
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.376 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:178 Resp: 30869
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 14.8 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

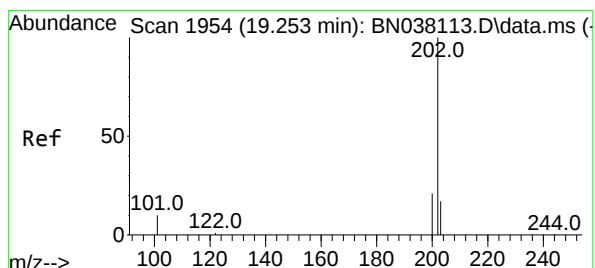
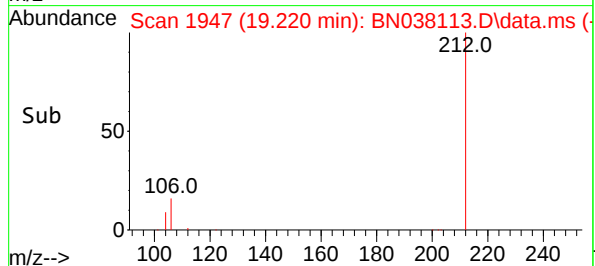
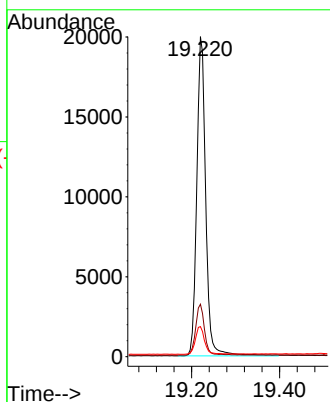
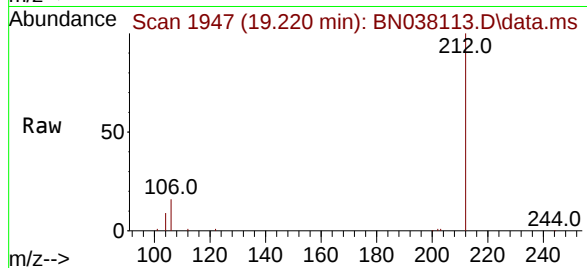
Tgt Ion:212 Resp: 28227

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 0.378 ng

RT: 19.253 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

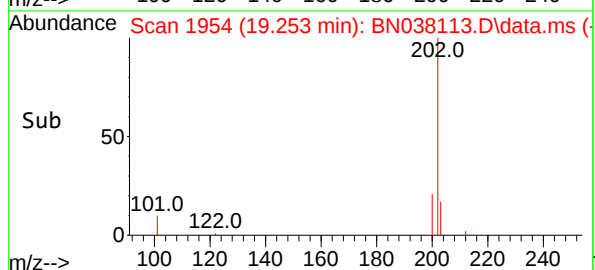
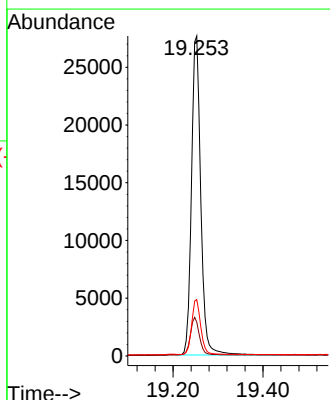
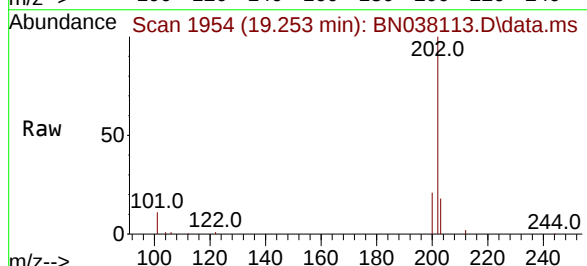
Tgt Ion:202 Resp: 39664

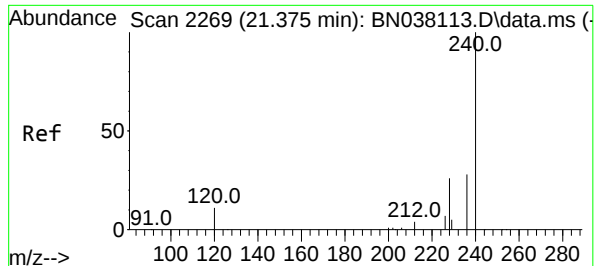
Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

203 16.8 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

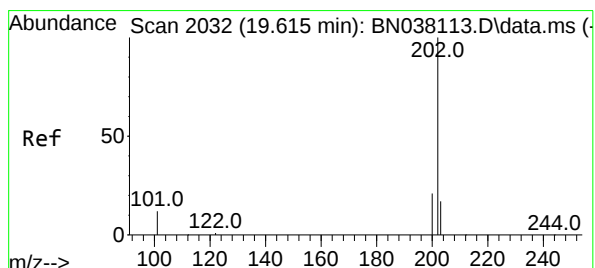
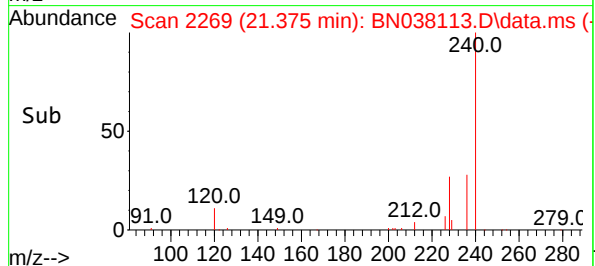
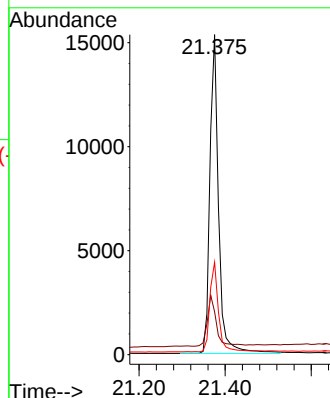
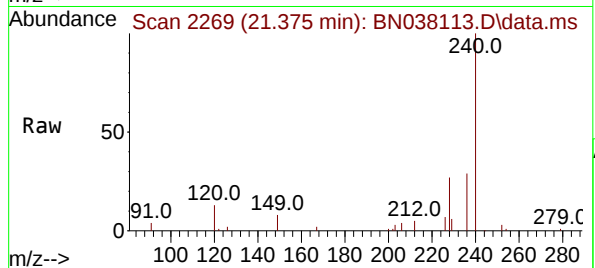
Tgt Ion:240 Resp: 21529

Ion Ratio Lower Upper

240 100

120 13.4 10.7 16.1

236 28.9 23.1 34.7



#30

Pyrene

Concen: 0.408 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

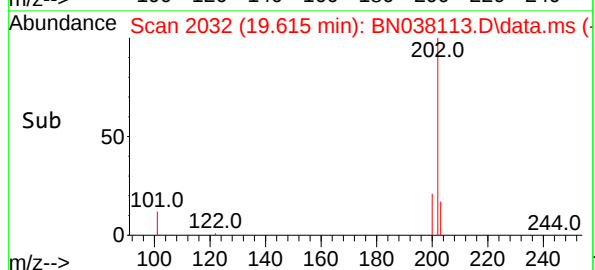
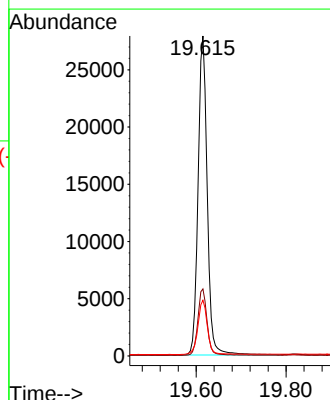
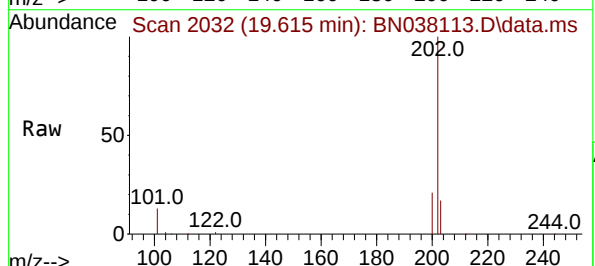
Tgt Ion:202 Resp: 39644

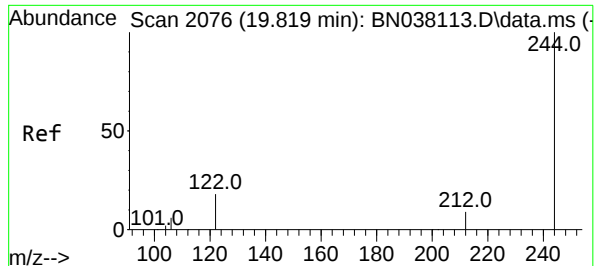
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.7 14.2 21.2

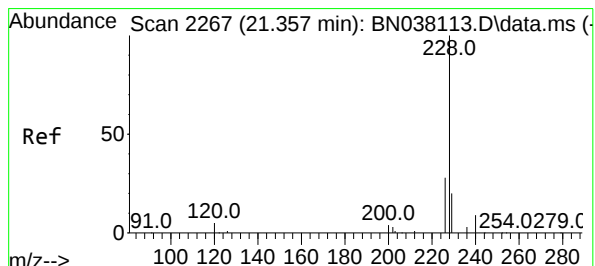
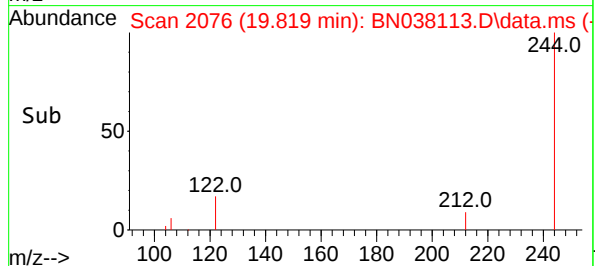
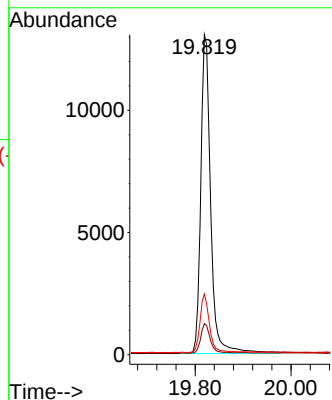
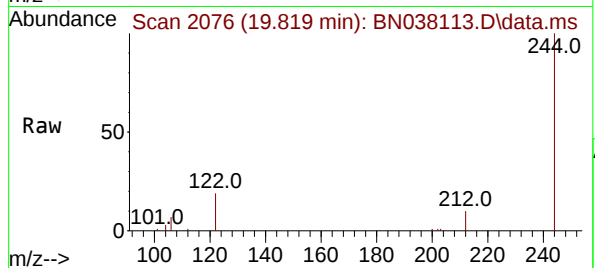




#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

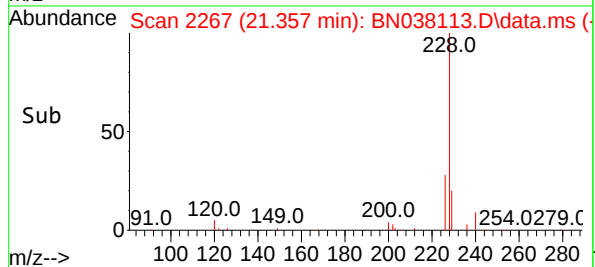
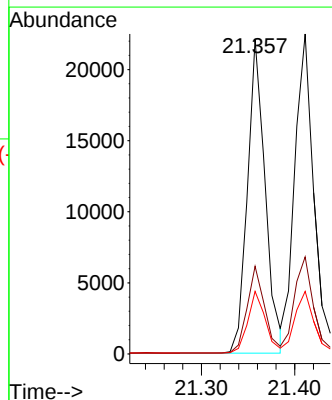
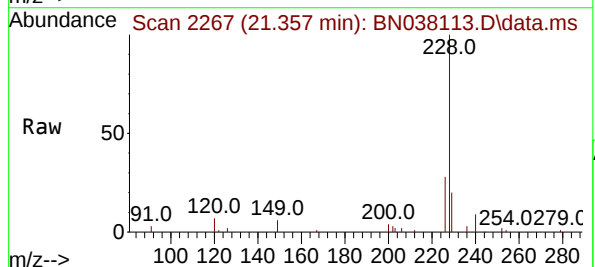
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

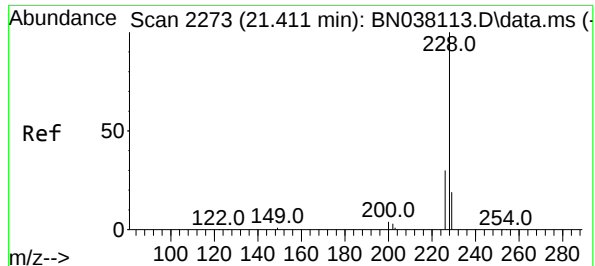
Tgt Ion:244 Resp: 18767
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 19.0 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:228 Resp: 29230
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.398 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

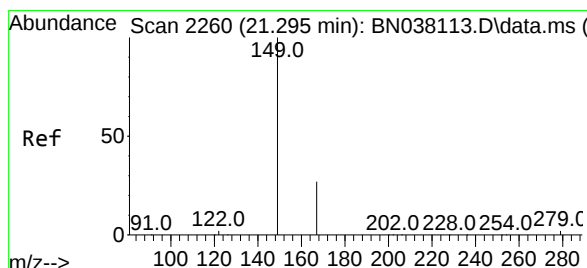
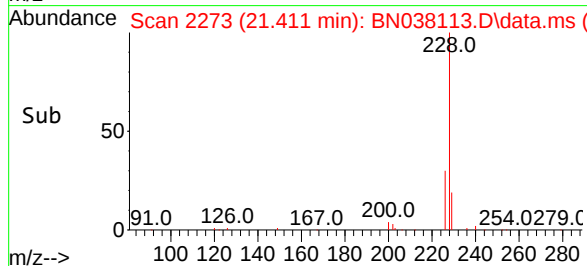
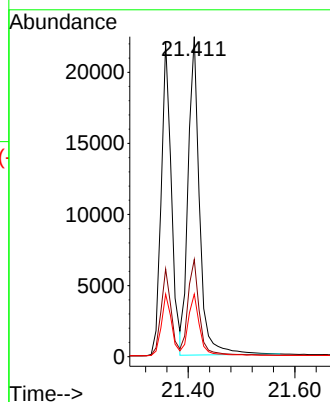
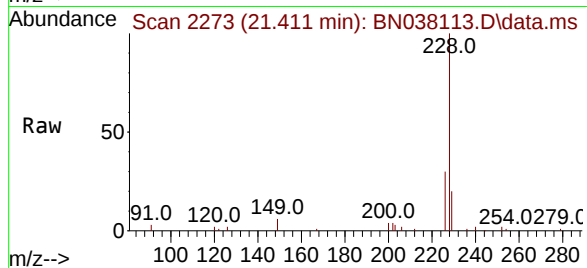
Tgt Ion:228 Resp: 33214

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.6 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

RT: 21.295 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

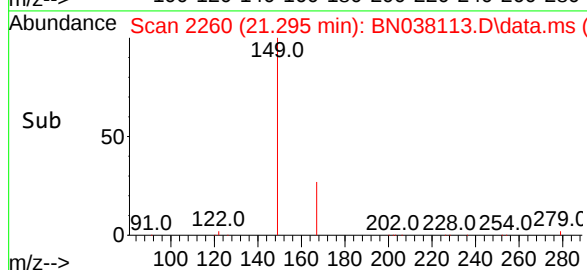
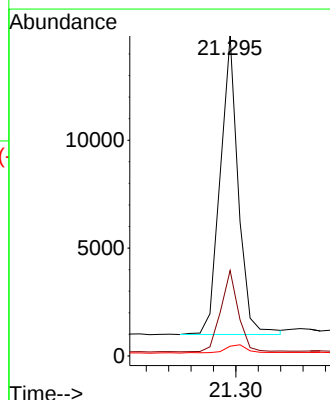
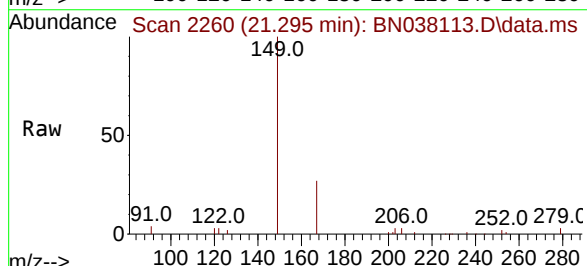
Tgt Ion:149 Resp: 15540

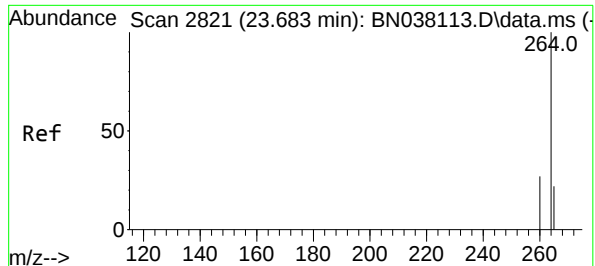
Ion Ratio Lower Upper

149 100

167 26.4 21.1 31.7

279 3.6 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038113.D

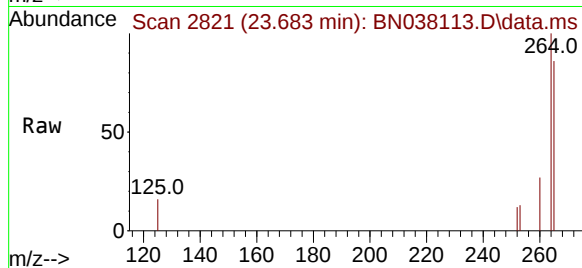
Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



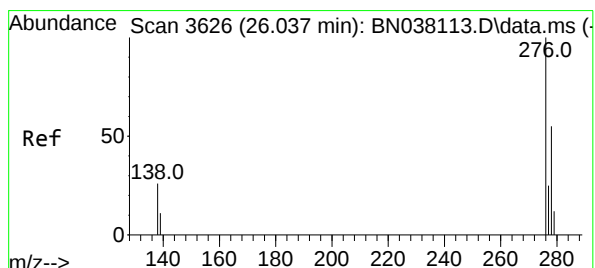
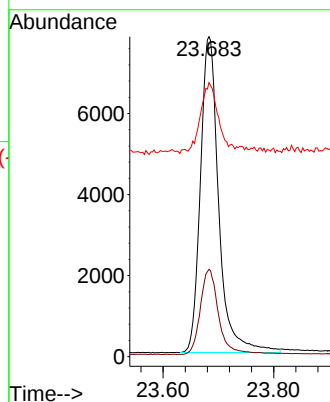
Tgt Ion:264 Resp: 17966

Ion Ratio Lower Upper

264 100

260 27.3 21.8 32.8

265 85.7 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.390 ng

RT: 26.037 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

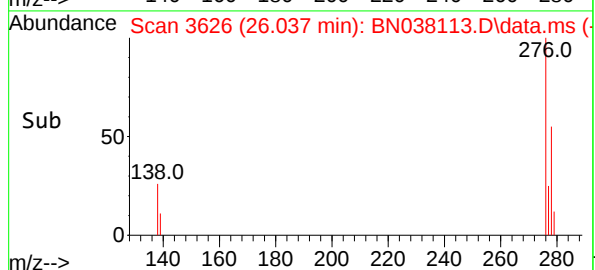
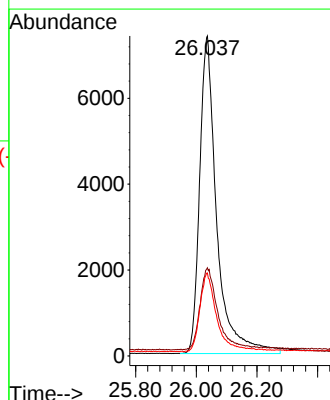
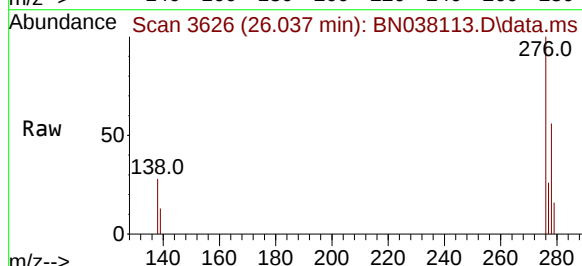
Tgt Ion:276 Resp: 28812

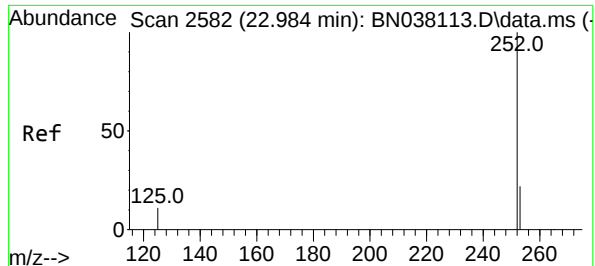
Ion Ratio Lower Upper

276 100

138 26.7 21.4 32.0

277 24.0 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

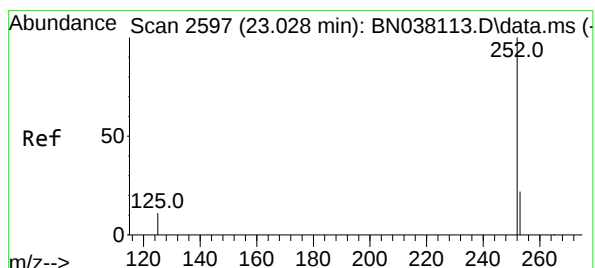
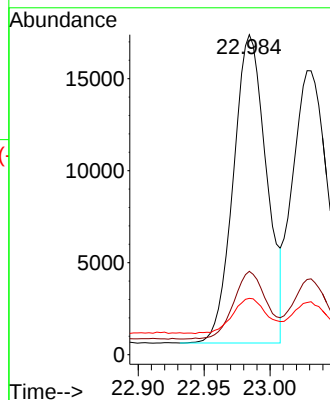
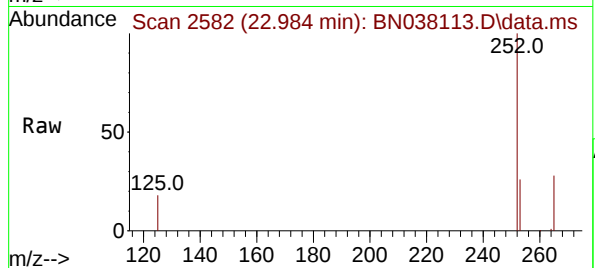
Tgt Ion:252 Resp: 29283

Ion Ratio Lower Upper

252 100

253 26.1 20.9 31.3

125 17.6 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.376 ng

RT: 23.028 min Scan# 2597

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

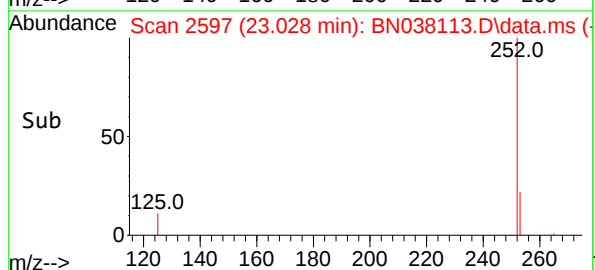
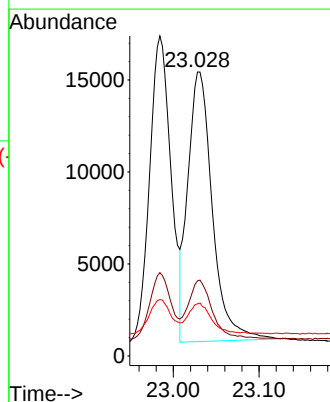
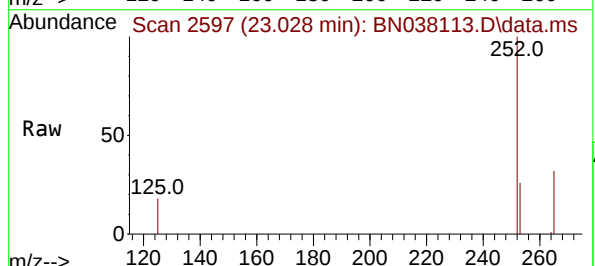
Tgt Ion:252 Resp: 29088

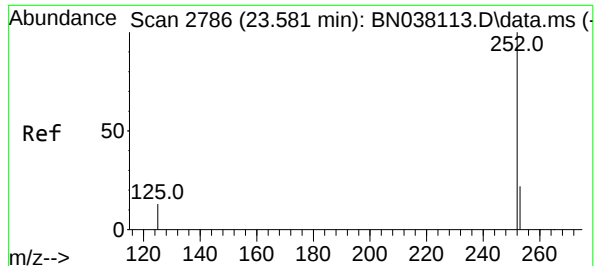
Ion Ratio Lower Upper

252 100

253 26.5 21.2 31.8

125 18.3 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

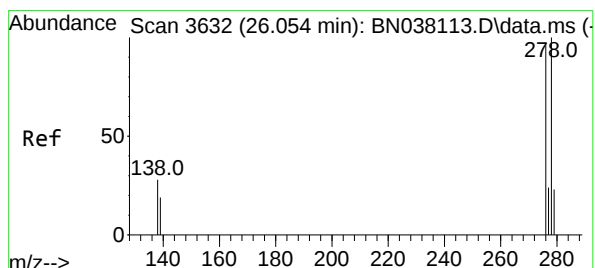
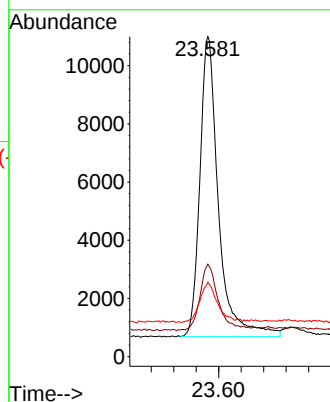
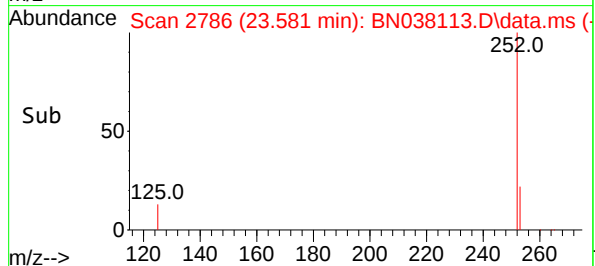
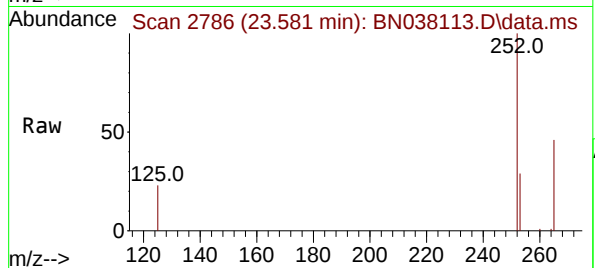
Tgt Ion:252 Resp: 23635

Ion Ratio Lower Upper

252 100

253 28.9 23.1 34.7

125 23.3 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

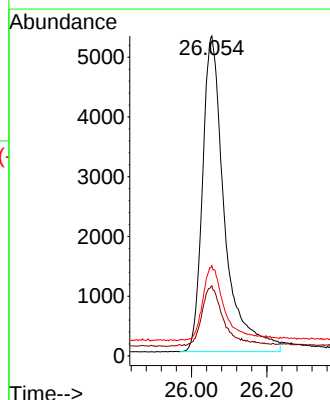
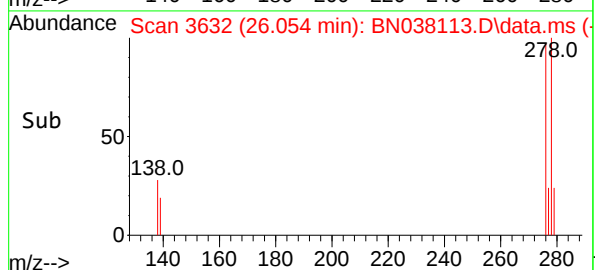
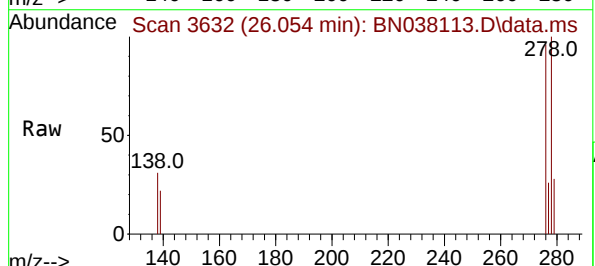
Tgt Ion:278 Resp: 21487

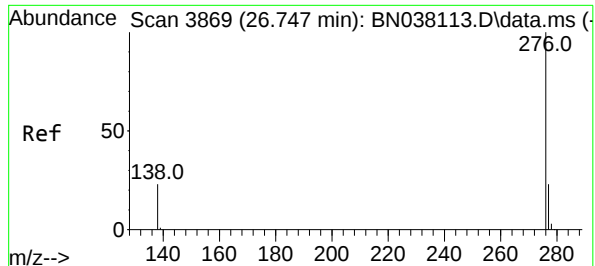
Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

279 28.2 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.395 ng

RT: 26.747 min Scan# 3869

Delta R.T. -0.003 min

Lab File: BN038113.D

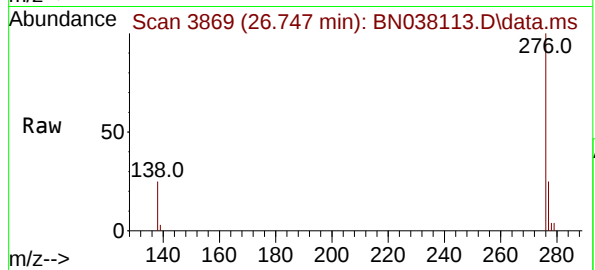
Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



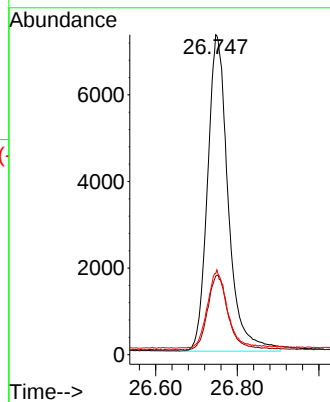
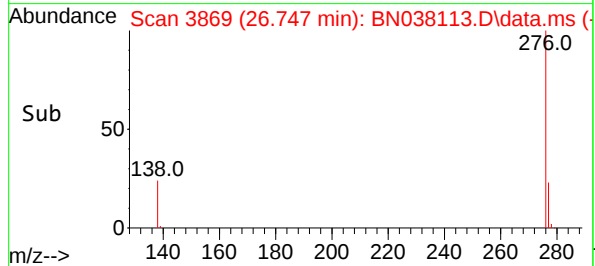
Tgt Ion:276 Resp: 25622

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 25.3 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038114.D
 Acq On : 28 Oct 2025 14:49
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/29/2025
 Supervised By :mohammad ahmed 10/30/2025

Quant Time: Oct 28 17:31:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9110	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27131	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	14920	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28506	0.400	ng	0.00
29) Chrysene-d12	21.375	240	23535	0.400	ng	0.00
35) Perylene-d12	23.683	264	20307	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	16552	0.771	ng	0.00
5) Phenol-d6	6.937	99	19989	0.765	ng	0.00
8) Nitrobenzene-d5	8.929	82	16332	0.746	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	29806	0.769	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4525	0.736	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	46843	0.784	ng	0.01
27) Fluoranthene-d10	19.220	212	55912	0.778	ng	0.00
31) Terphenyl-d14	19.819	244	37975	0.743	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	7707	0.819	ng	99
3) n-Nitrosodimethylamine	3.564	42	9598	0.792	ng	# 100
6) bis(2-Chloroethyl)ether	7.197	93	20444	0.796	ng	99
9) Naphthalene	10.626	128	58627	0.784	ng	99
10) Hexachlorobutadiene	10.925	225	9875	0.783	ng	# 98
12) 2-Methylnaphthalene	12.248	142	38674	0.776	ng	98
16) Acenaphthylene	14.152	152	52624	0.779	ng	99
17) Acenaphthene	14.494	154	36845	0.779	ng	100
18) Fluorene	15.489	166	49204	0.794	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	2898	0.689	ng	# 69
21) 4-Bromophenyl-phenylether	16.379	248	14571	0.780	ng	97
22) Hexachlorobenzene	16.503	284	16700	0.786	ng	99
23) Atrazine	16.652	200	10204	0.745	ng	99
24) Pentachlorophenol	16.838	266	6470	0.707	ng	99
25) Phenanthrene	17.223	178	70455	0.779	ng	100
26) Anthracene	17.322	178	60270	0.761	ng	100
28) Fluoranthene	19.253	202	79478	0.786	ng	100
30) Pyrene	19.615	202	78307	0.737	ng	100
32) Benzo(a)anthracene	21.357	228	64140	0.764	ng	100
33) Chrysene	21.411	228	71675	0.787	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	32963	0.745	ng	99
36) Indeno(1,2,3-cd)pyrene	26.039	276	65796	0.789	ng	99
37) Benzo(b)fluoranthene	22.984	252	69912m	0.805	ng	
38) Benzo(k)fluoranthene	23.031	252	67771	0.776	ng	# 93
39) Benzo(a)pyrene	23.578	252	53367	0.768	ng	# 90
40) Dibenzo(a,h)anthracene	26.054	278	50344	0.784	ng	95
41) Benzo(g,h,i)perylene	26.753	276	58155	0.793	ng	99

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

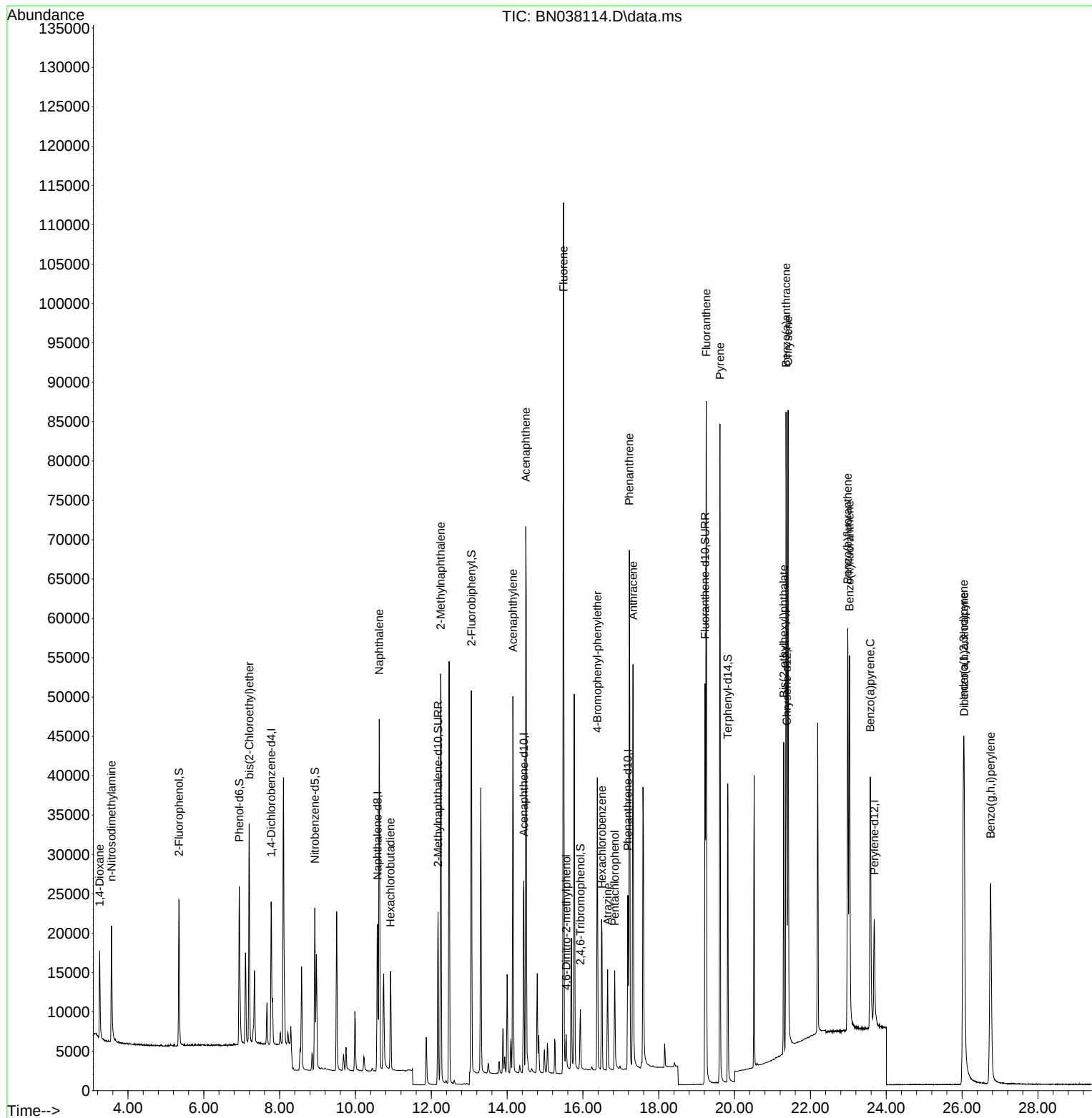
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Data File : BN038114.D
Acq On : 28 Oct 2025 14:49
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

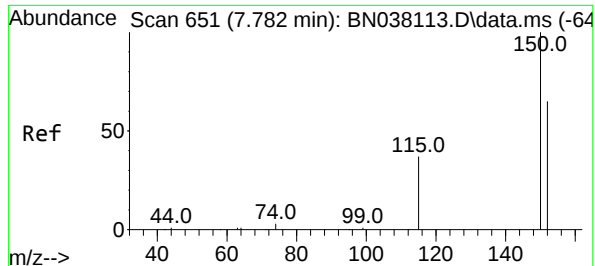
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Oct 28 17:31:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

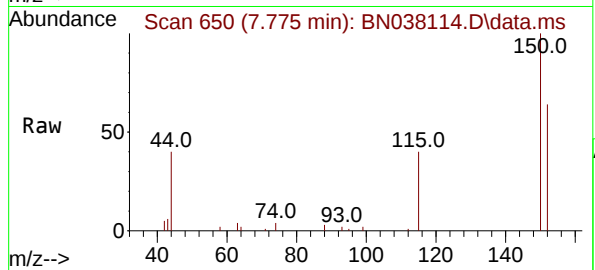
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

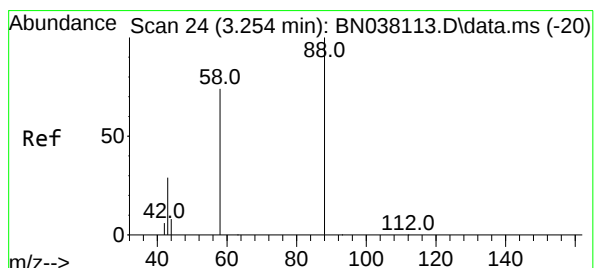
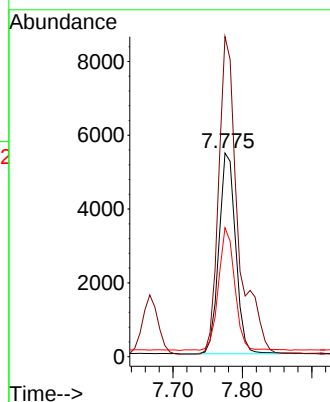
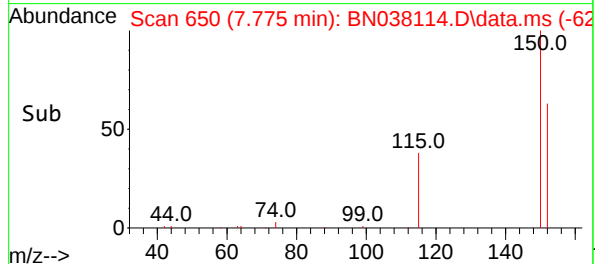
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:152 Resp: 9110
Ion Ratio Lower Upper
152 100
150 157.1 122.3 183.5
115 63.4 47.4 71.0

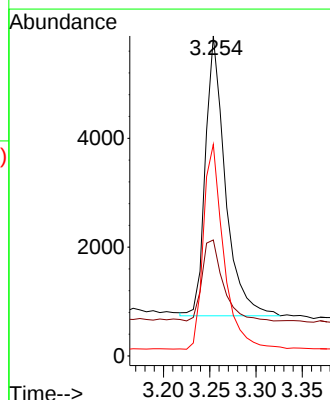
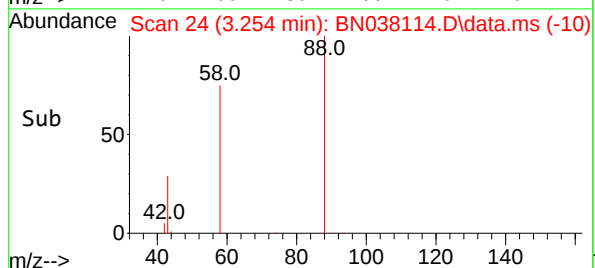
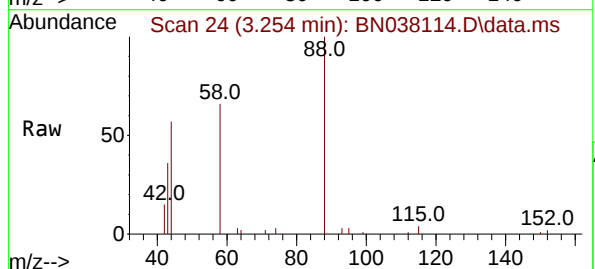
Manual Integrations
APPROVED

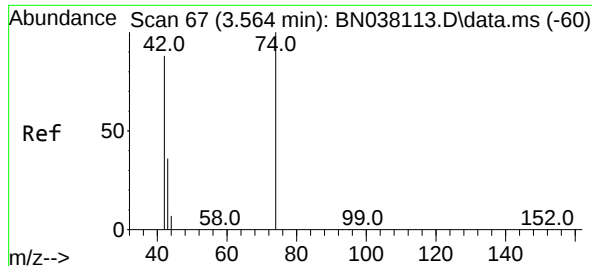
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#2
1,4-Dioxane
Concen: 0.819 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

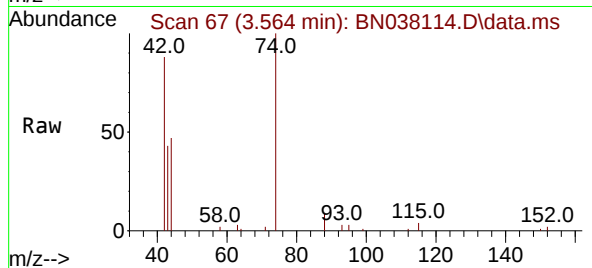
Tgt Ion: 88 Resp: 7707
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 74.3 60.4 90.6





#3
n-Nitrosodimethylamine
Concen: 0.792 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

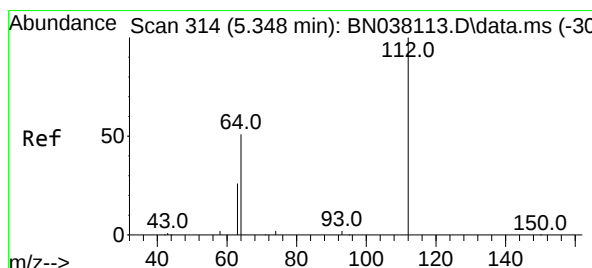
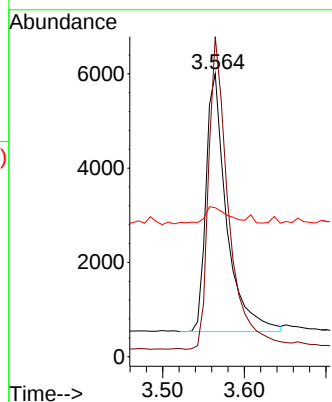
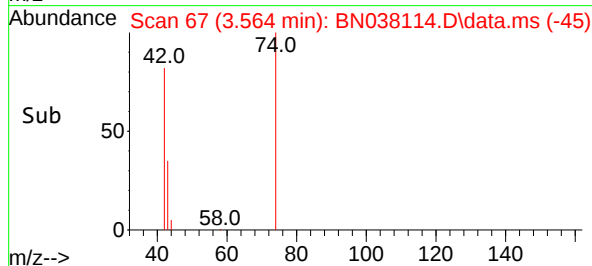
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 42 Resp: 9598
Ion Ratio Lower Upper
42 100
74 120.8 96.8 145.2
44 8.8 5.3 7.9

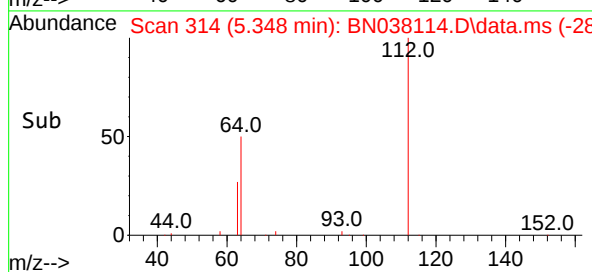
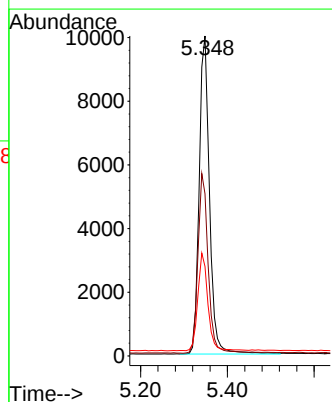
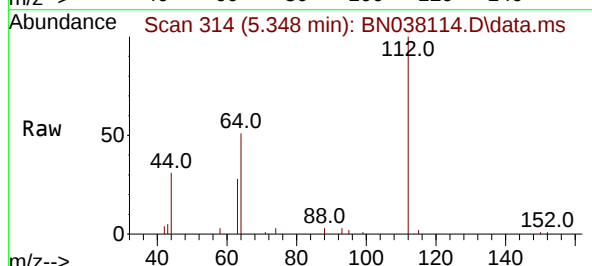
Manual Integrations
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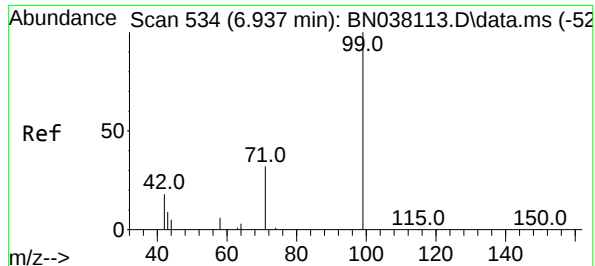
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#4
2-Fluorophenol
Concen: 0.771 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

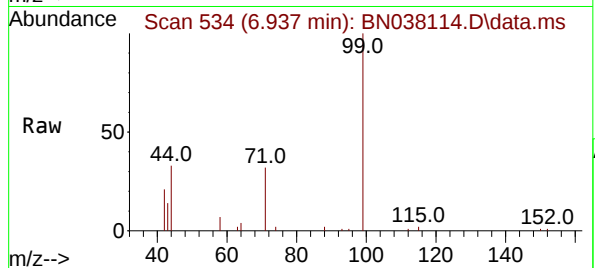
Tgt Ion:112 Resp: 16552
Ion Ratio Lower Upper
112 100
64 55.7 45.4 68.0
63 30.2 23.2 34.8





#5
Phenol-d6
Concen: 0.765 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

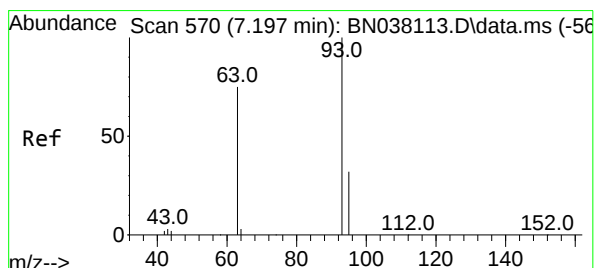
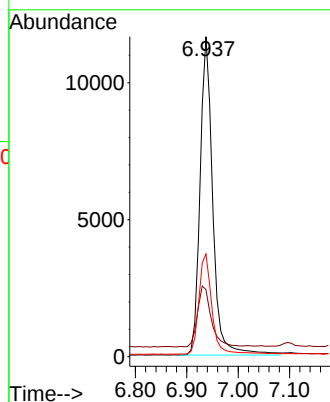
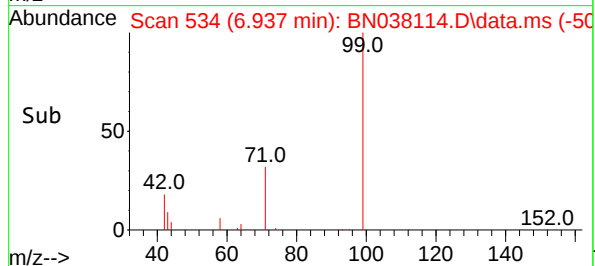
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 99 Resp: 19989
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 33.2 25.4 38.2

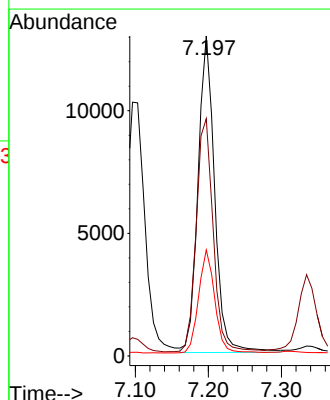
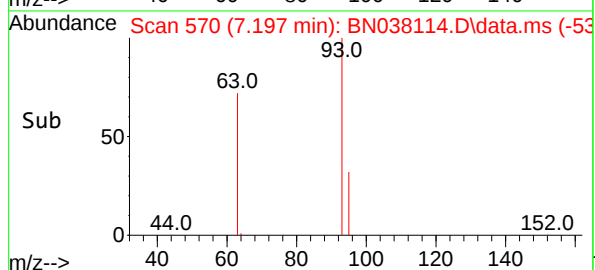
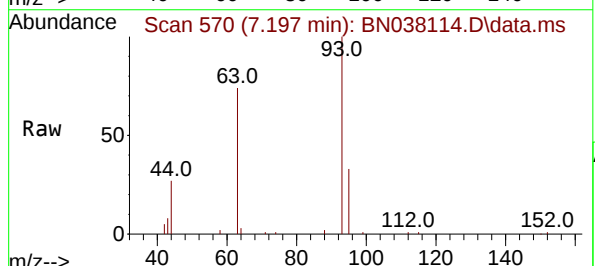
Manual Integrations
APPROVED

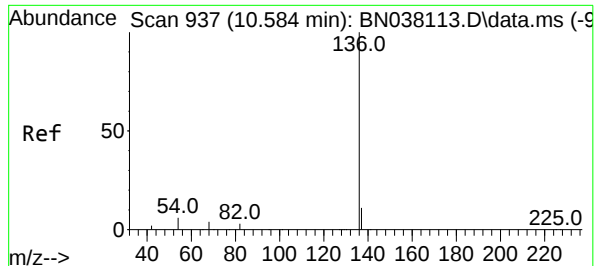
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.796 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

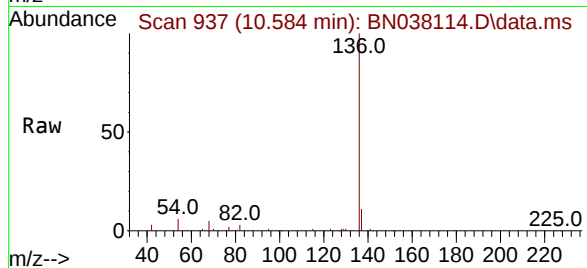
Tgt Ion: 93 Resp: 20444
Ion Ratio Lower Upper
93 100
63 75.0 59.3 88.9
95 31.6 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

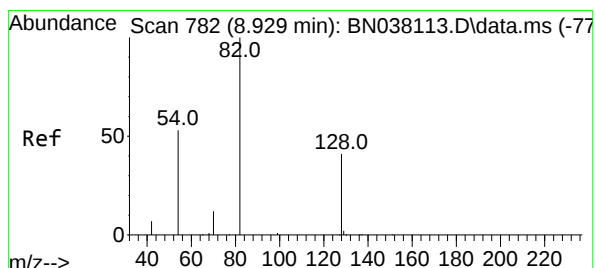
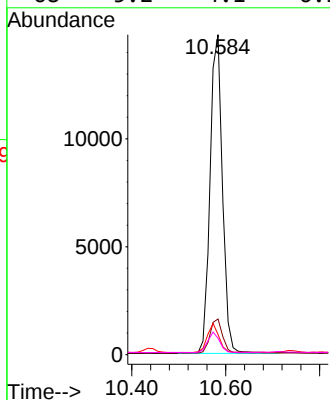
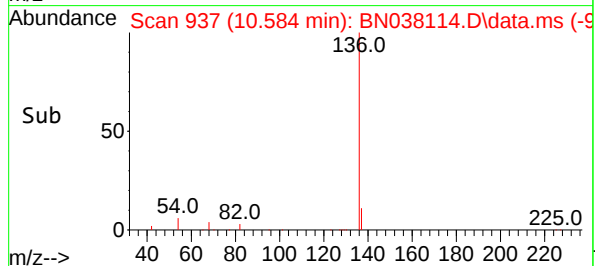
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:136 Resp: 2713
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.3 5.2 7.8
68 5.2 4.1 6.1

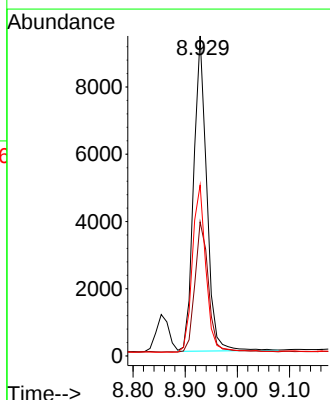
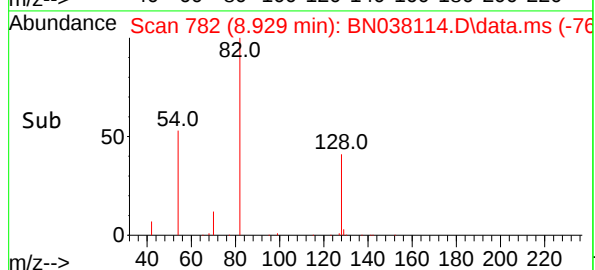
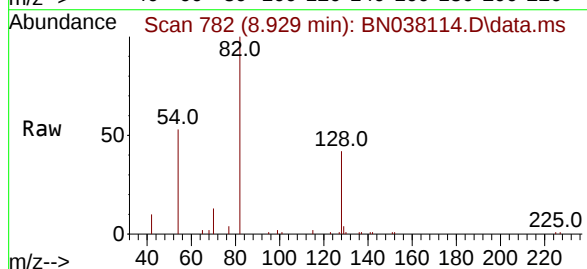
Manual Integrations
APPROVED

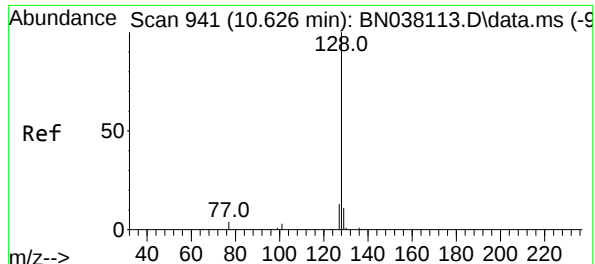
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#8
Nitrobenzene-d5
Concen: 0.746 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion: 82 Resp: 16332
Ion Ratio Lower Upper
82 100
128 41.9 34.1 51.1
54 53.4 43.5 65.3





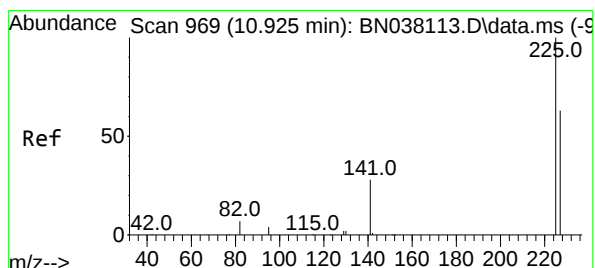
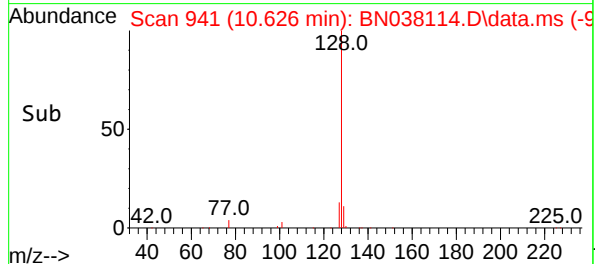
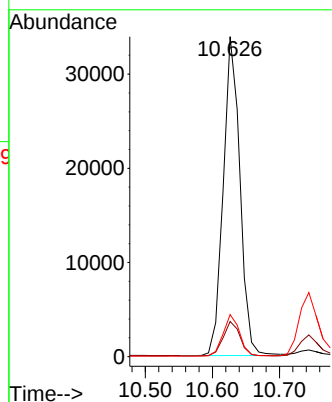
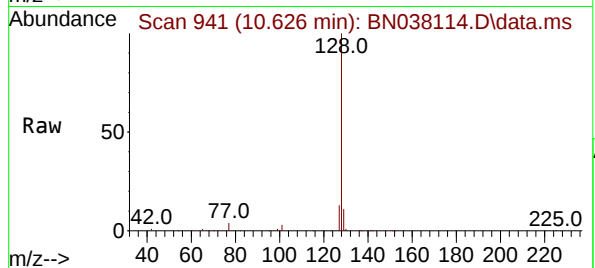
#9
Naphthalene
Concen: 0.784 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 5862
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.2 10.5 15.7

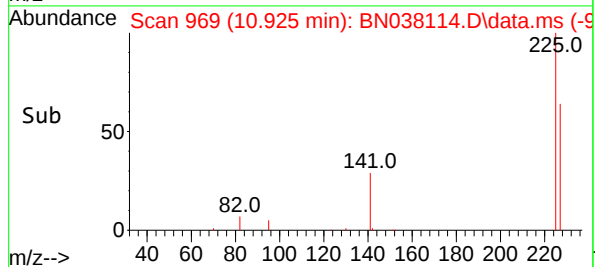
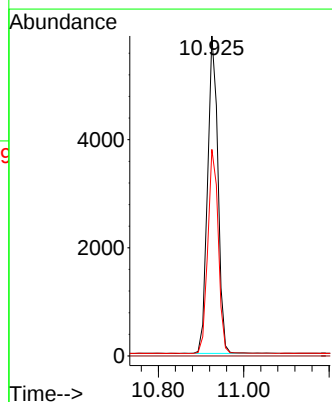
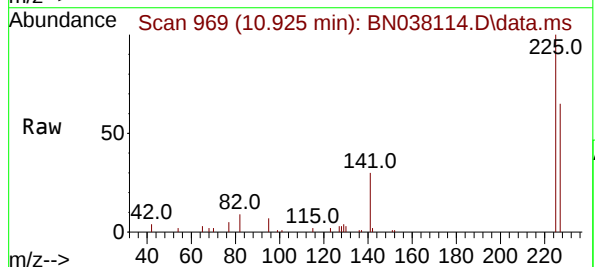
Manual Integrations
APPROVED

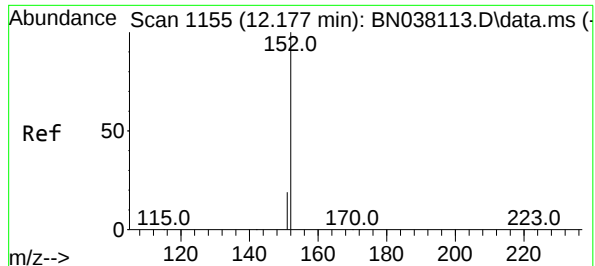
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#10
Hexachlorobutadiene
Concen: 0.783 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

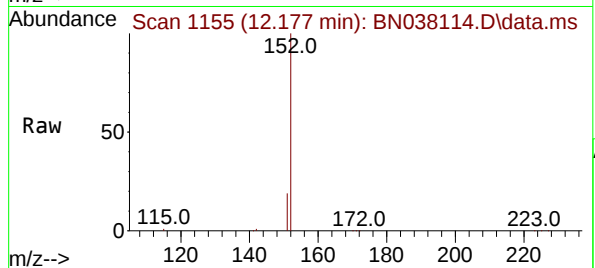
Tgt Ion:225 Resp: 9875
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.8 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.769 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

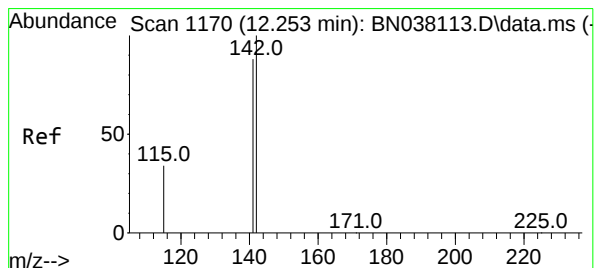
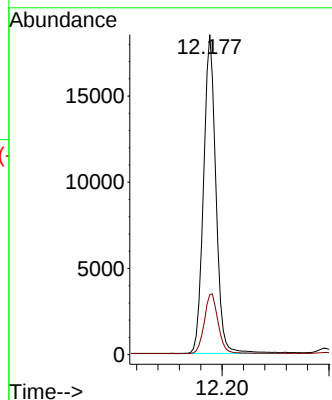
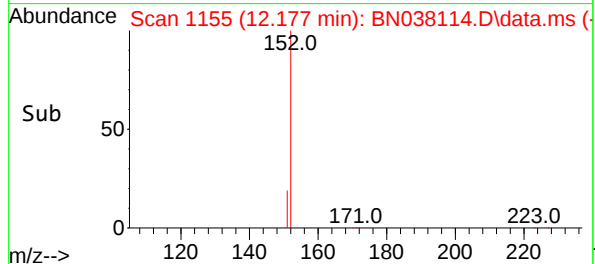
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:152 Resp: 29800
Ion Ratio Lower Upper
152 100
151 21.2 16.8 25.2

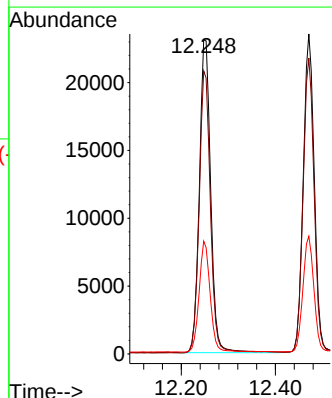
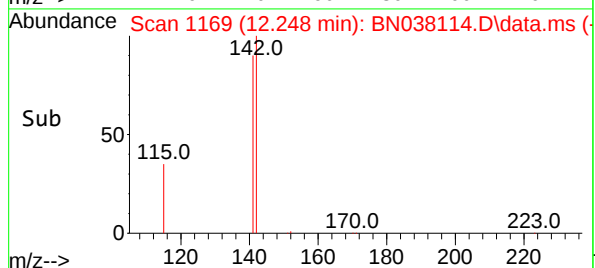
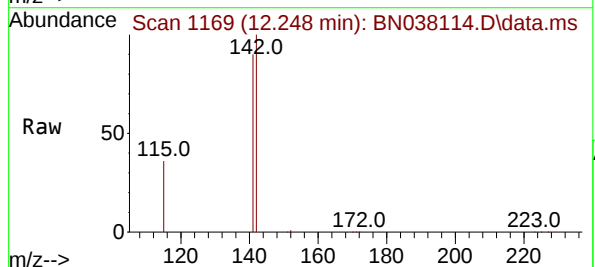
Manual Integrations
APPROVED

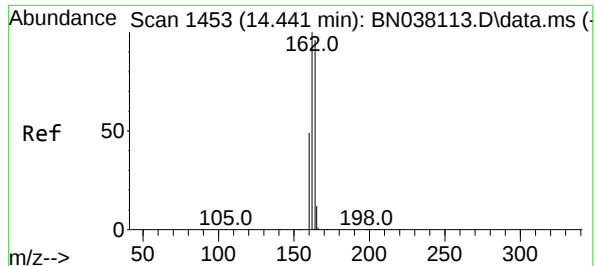
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#12
2-Methylnaphthalene
Concen: 0.776 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

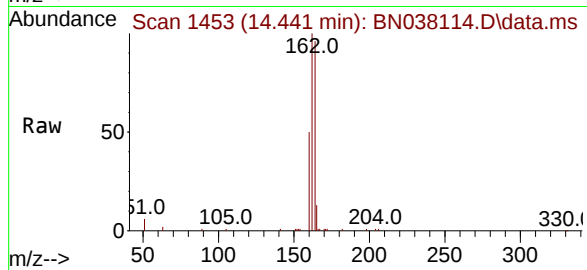
Tgt Ion:142 Resp: 38674
Ion Ratio Lower Upper
142 100
141 90.1 70.3 105.5
115 35.9 27.8 41.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

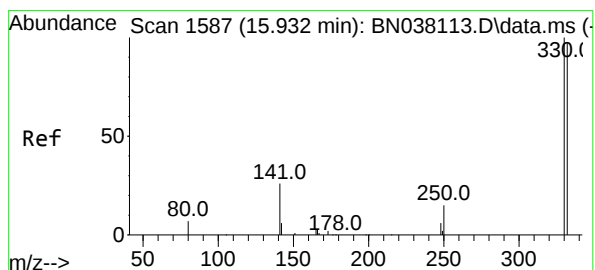
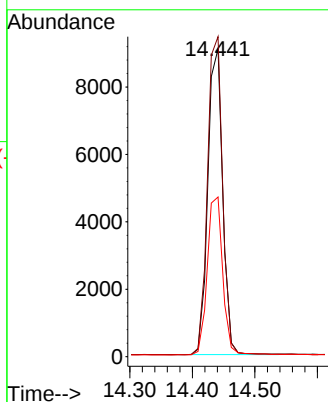
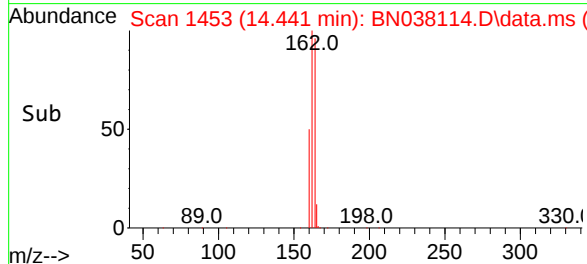
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



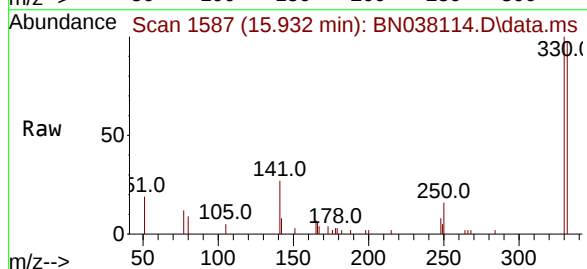
Tgt Ion:164 Resp: 14920
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.4
160 51.9 40.7 61.1

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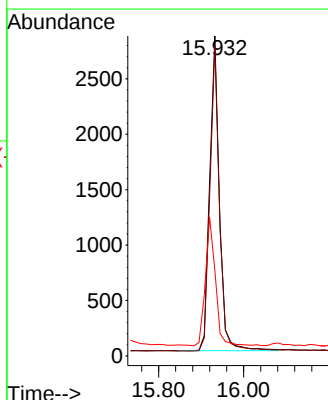
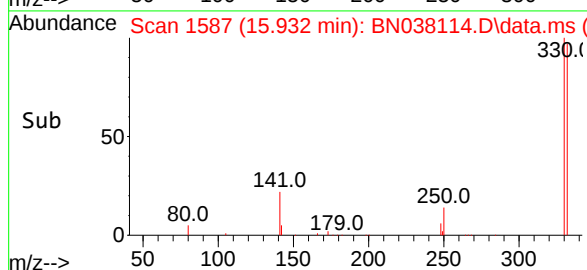
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025

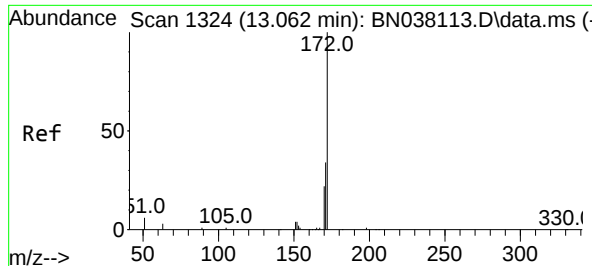


#14
2,4,6-Tribromophenol
Concen: 0.736 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49



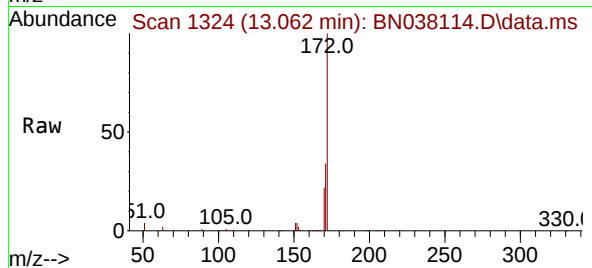
Tgt Ion:330 Resp: 4525
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 41.9 34.1 51.1





#15
2-Fluorobiphenyl
Concen: 0.784 ng
RT: 13.062 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

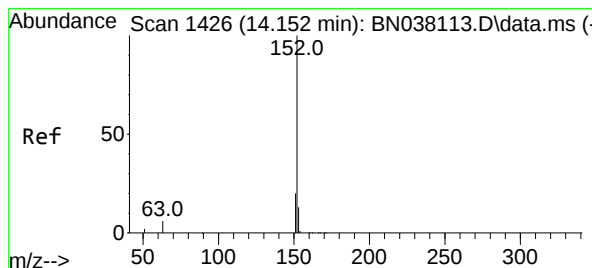
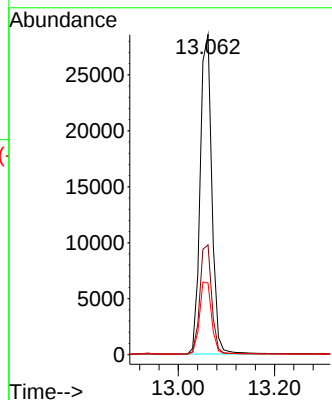
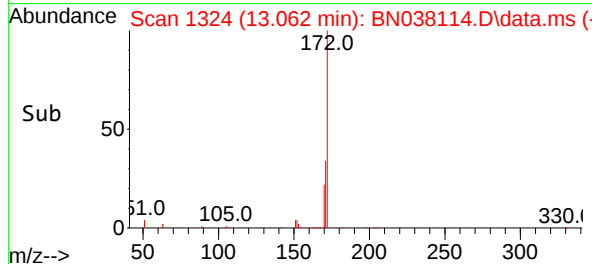
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:172 Resp: 4684
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.4 18.1 27.1

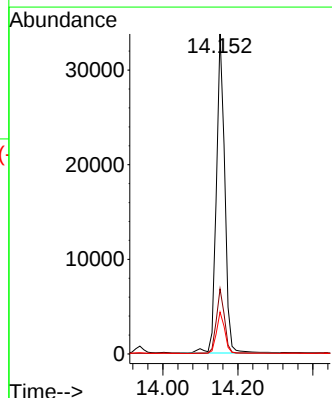
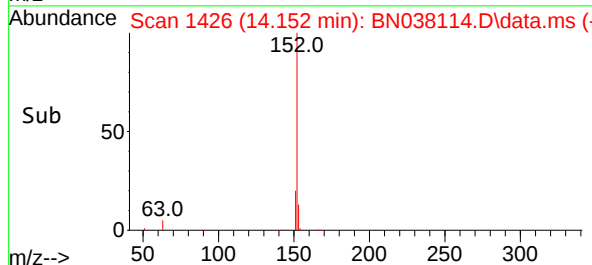
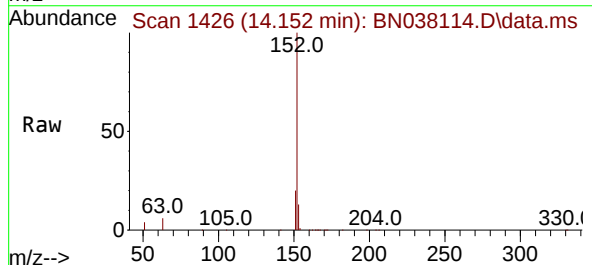
Manual Integrations
APPROVED

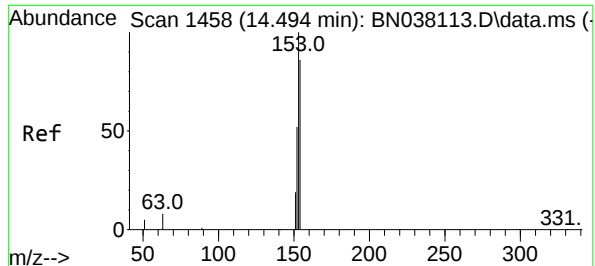
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#16
Acenaphthylene
Concen: 0.779 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

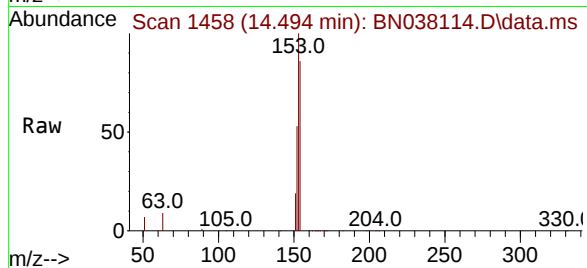
Tgt Ion:152 Resp: 52624
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2





#17
Acenaphthene
Concen: 0.779 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

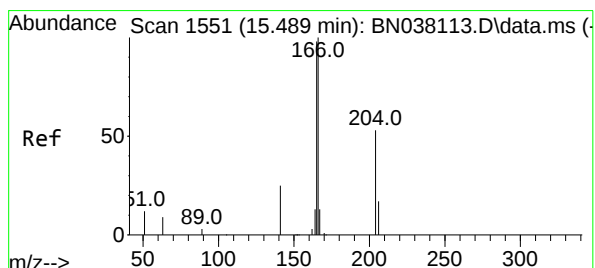
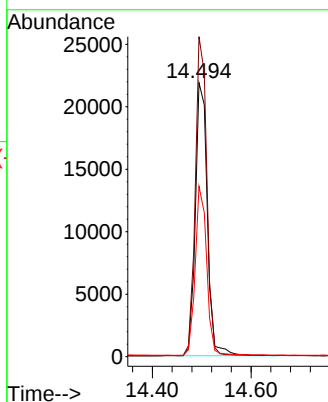
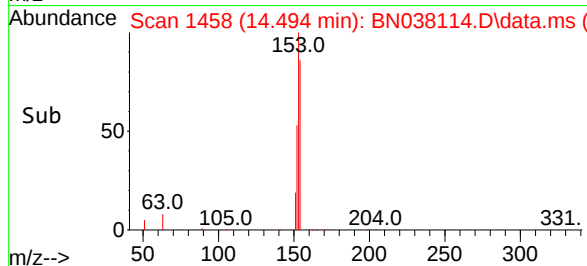
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:154 Resp: 3684
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 59.3 47.3 70.9

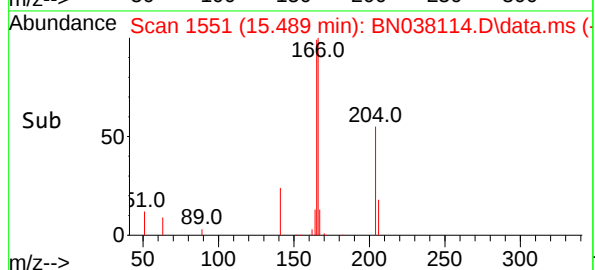
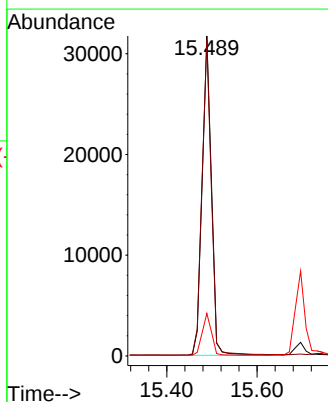
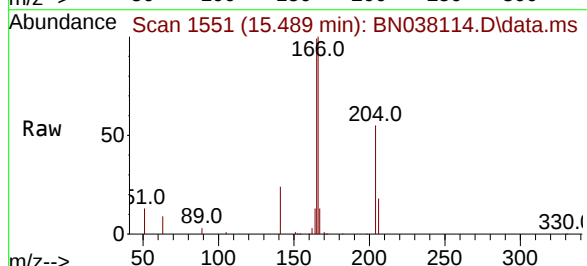
Manual Integrations
APPROVED

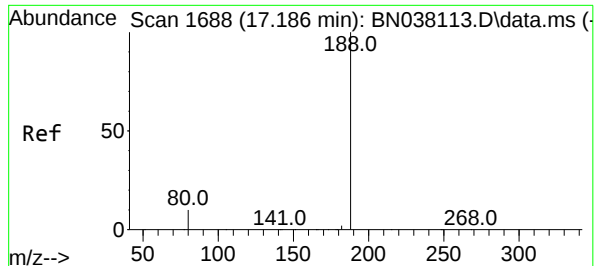
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#18
Fluorene
Concen: 0.794 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:166 Resp: 49204
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

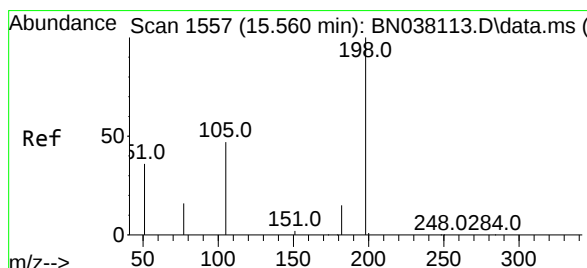
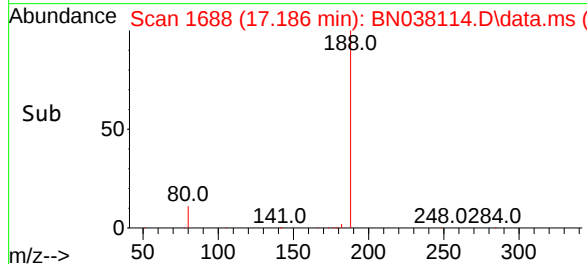
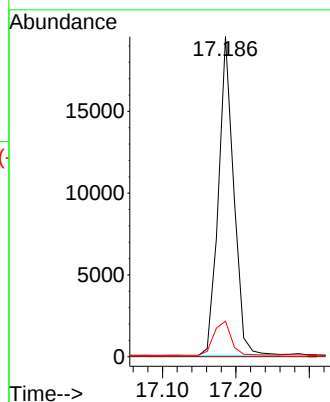
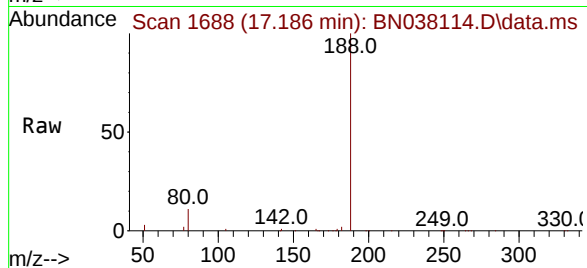
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.689 ng

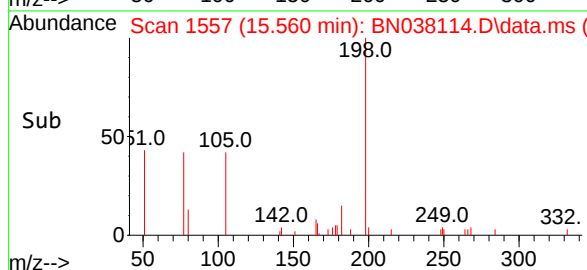
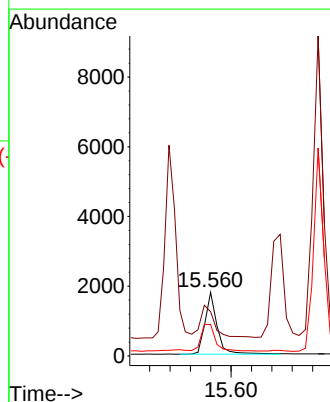
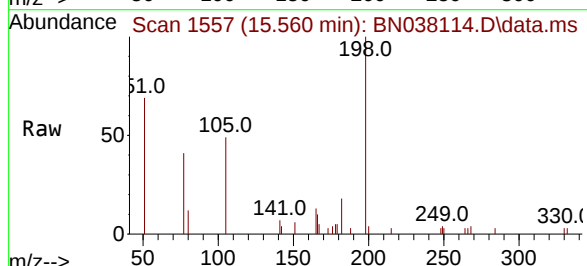
RT: 15.560 min Scan# 1557

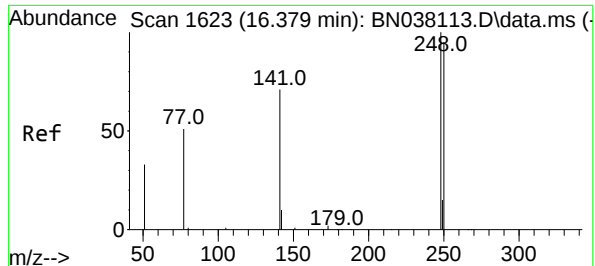
Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion	Ratio	Lower	Upper
198	100		
51	69.5	88.9	133.3
105	49.4	49.2	73.8





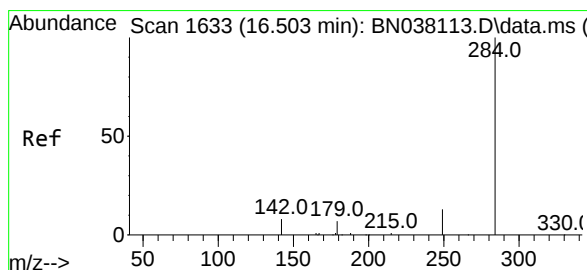
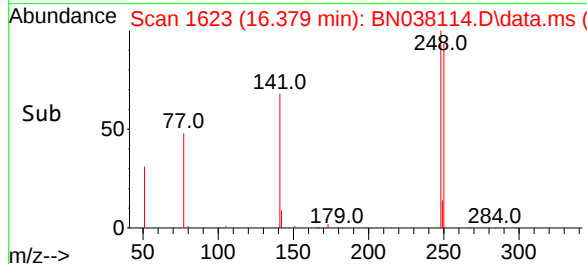
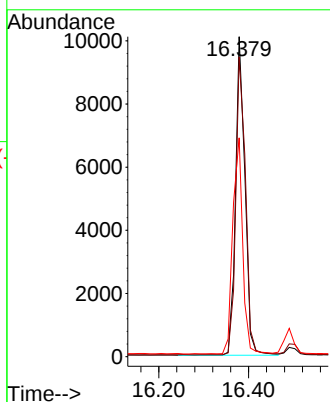
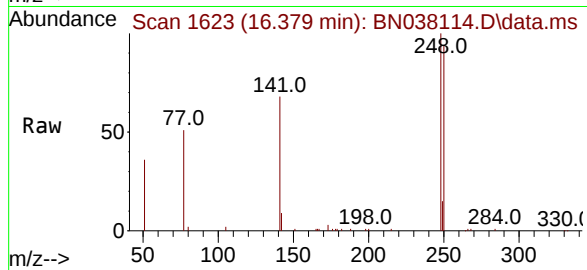
#21
4-Bromophenyl-phenylether
Concen: 0.780 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 1457
Ion Ratio Lower Upper
248 100
250 93.7 76.2 114.2
141 68.4 57.6 86.4

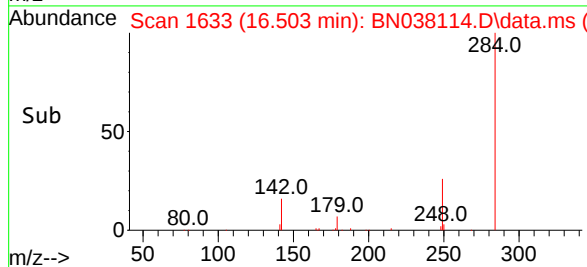
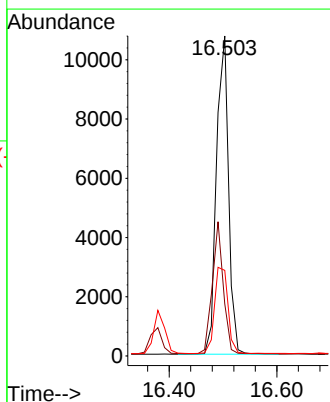
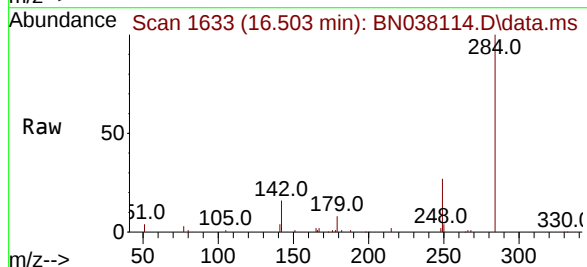
Manual Integrations
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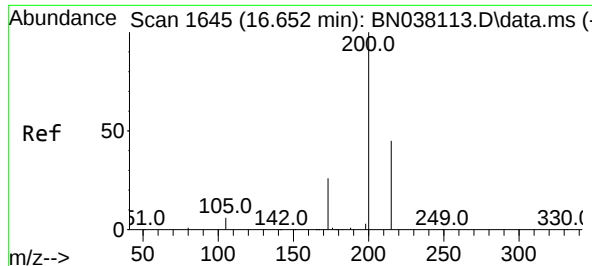
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#22
Hexachlorobenzene
Concen: 0.786 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

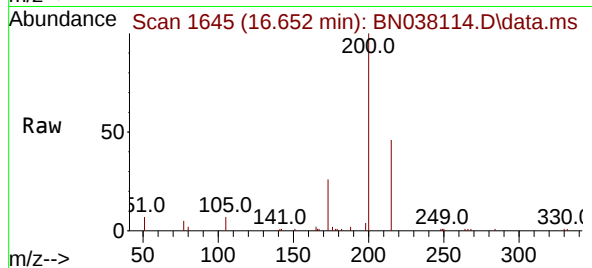
Tgt Ion:284 Resp: 16700
Ion Ratio Lower Upper
284 100
142 38.0 30.5 45.7
249 30.3 23.5 35.3





#23
Atrazine
Concen: 0.745 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

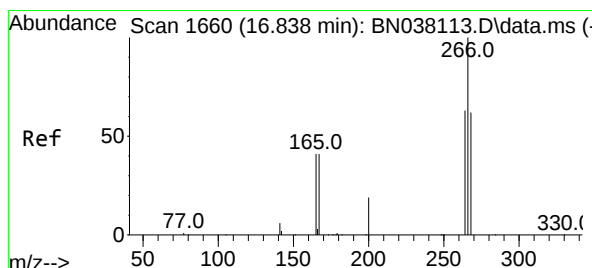
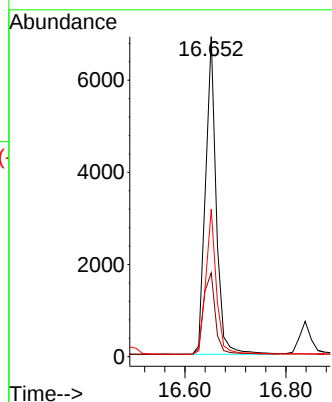
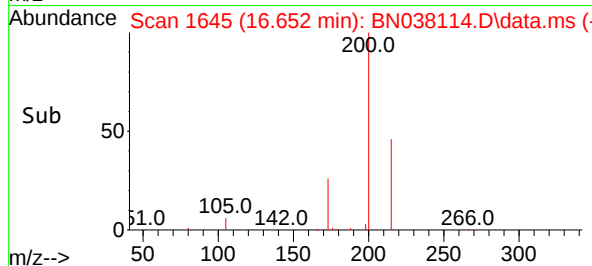
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:200 Resp: 10204
Ion Ratio Lower Upper
200 100
173 26.2 21.4 32.2
215 46.0 36.7 55.1

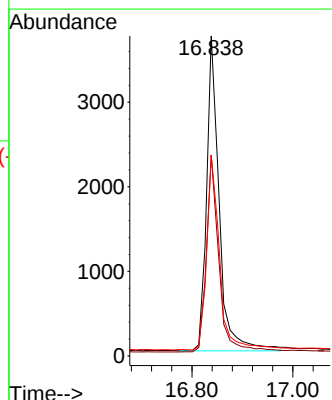
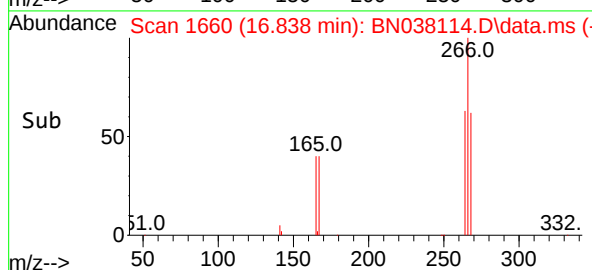
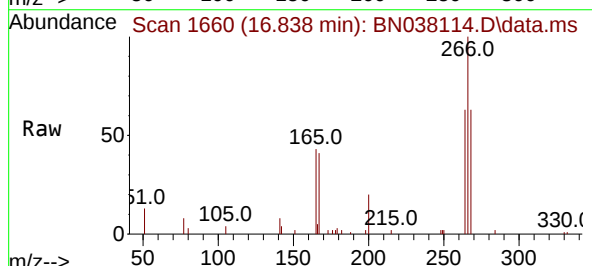
Manual Integrations
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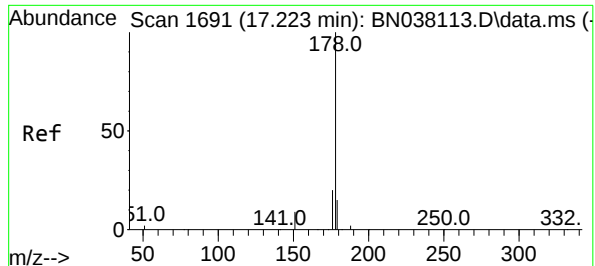
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#24
Pentachlorophenol
Concen: 0.707 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:266 Resp: 6470
Ion Ratio Lower Upper
266 100
264 62.0 49.3 73.9
268 64.3 50.6 75.8





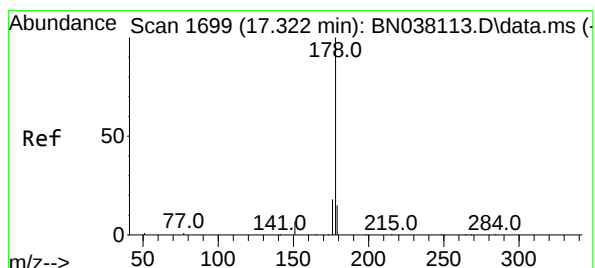
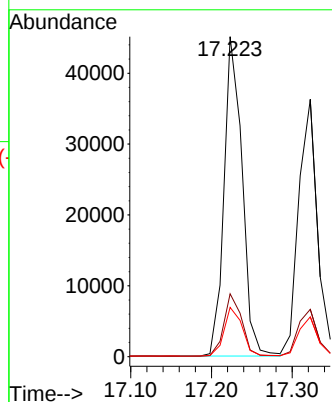
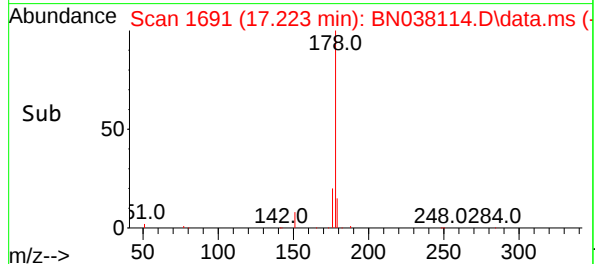
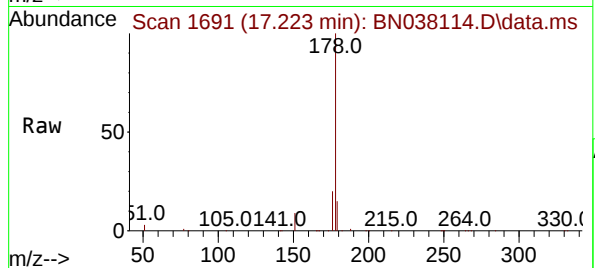
#25
Phenanthrene
Concen: 0.779 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 7045
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4

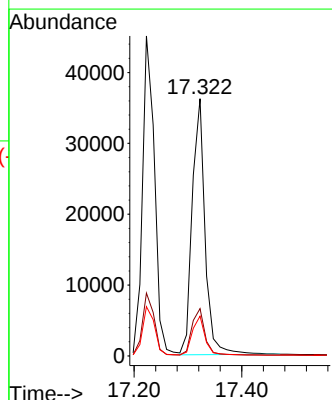
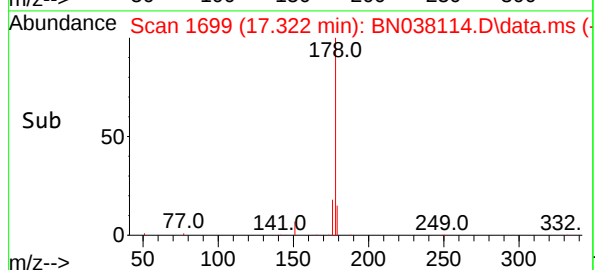
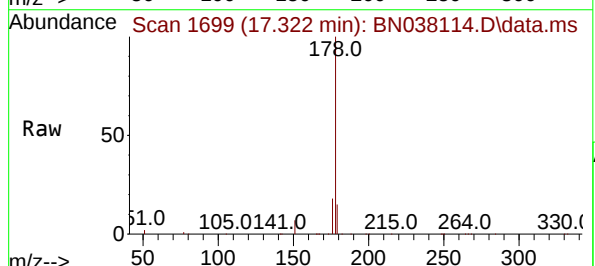
Manual Integrations
APPROVED

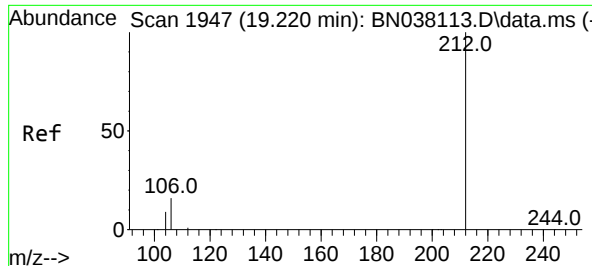
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#26
Anthracene
Concen: 0.761 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:178 Resp: 60270
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.778 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

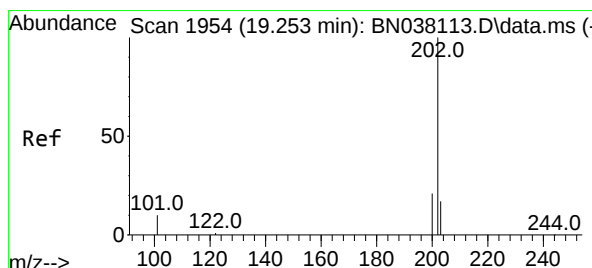
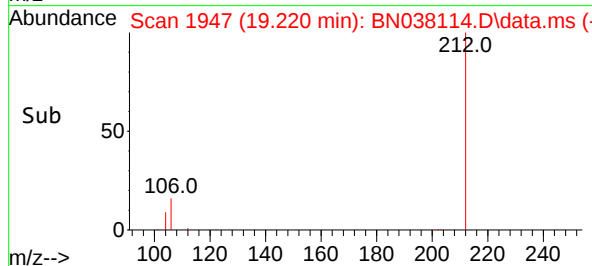
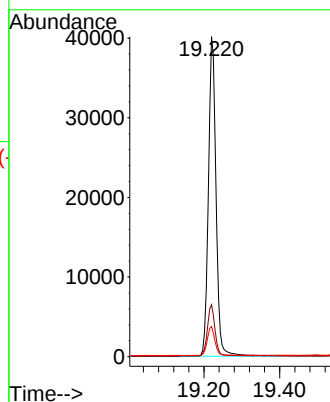
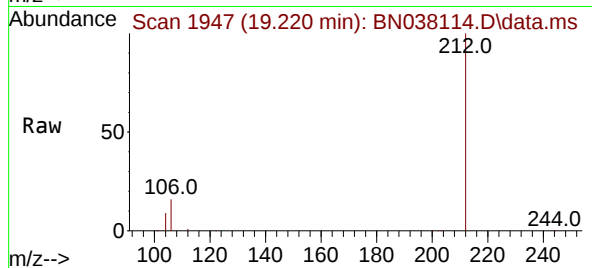
Tgt Ion:	212	Resp:	5591
Ion Ratio	Lower	Upper	
212	100		
106	16.0	12.6	19.0
104	9.0	7.1	10.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#28

Fluoranthene

Concen: 0.786 ng

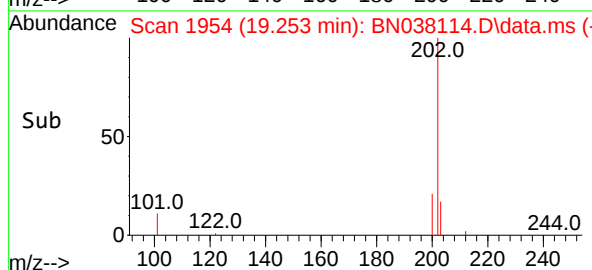
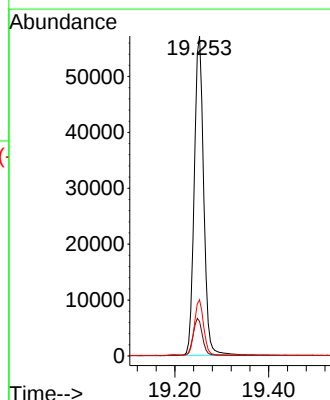
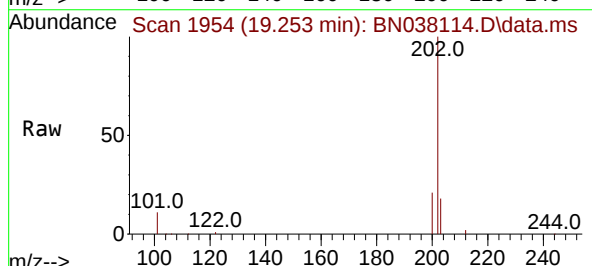
RT: 19.253 min Scan# 1954

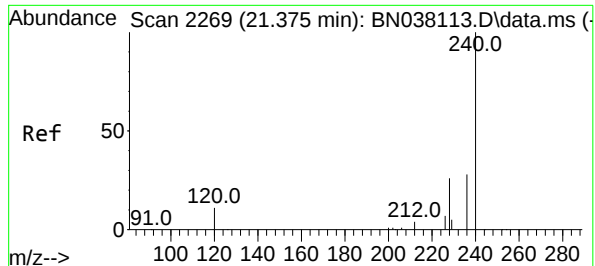
Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion:	202	Resp:	79478
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.4	14.2
203	17.0	13.4	20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

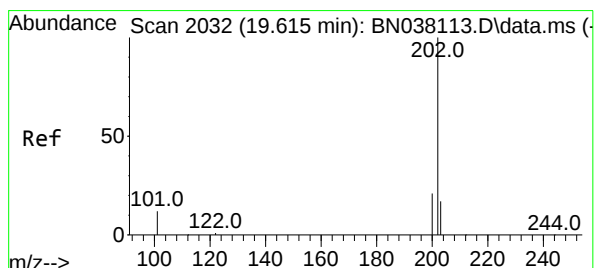
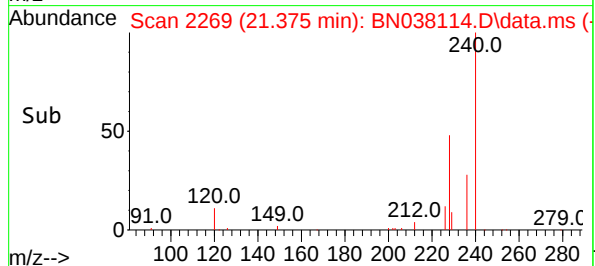
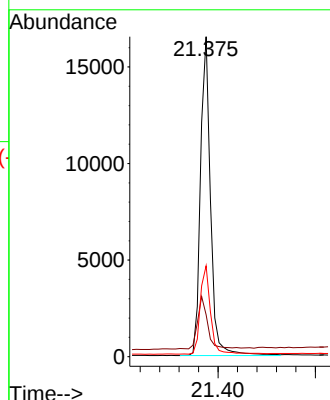
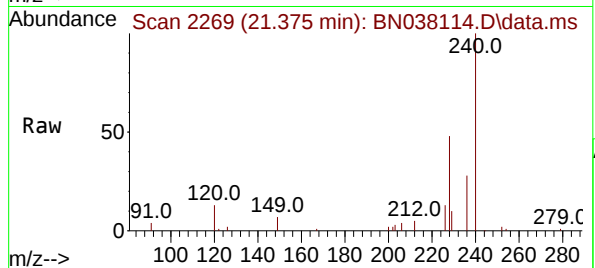
SSTDICC0.8

Tgt Ion:	240	Resp:	2353
Ion Ratio	Lower	Upper	
240	100		
120	13.1	10.7	16.1
236	28.4	23.1	34.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#30

Pyrene

Concen: 0.737 ng

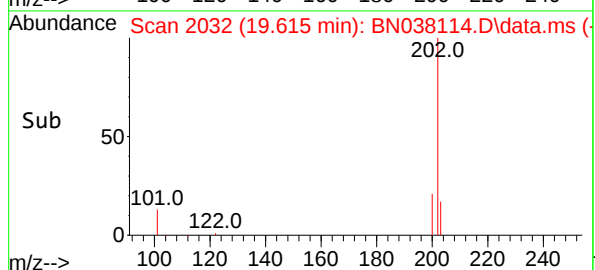
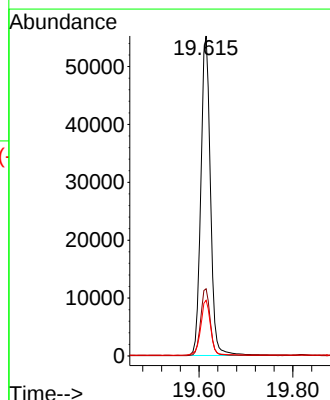
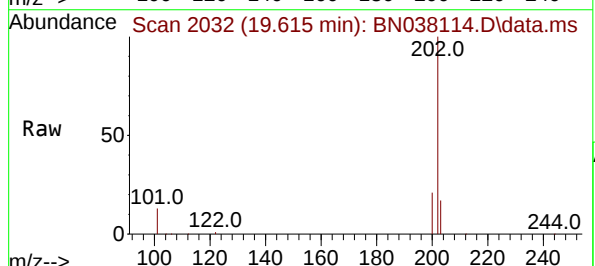
RT: 19.615 min Scan# 2032

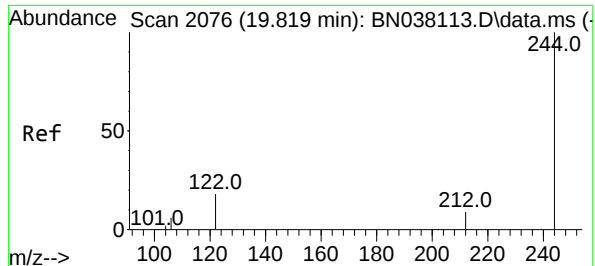
Delta R.T. 0.005 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

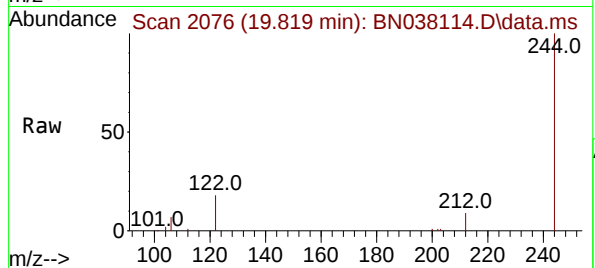
Tgt Ion:	202	Resp:	78307
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	17.7	14.2	21.2





#31
Terphenyl-d14
Concen: 0.743 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

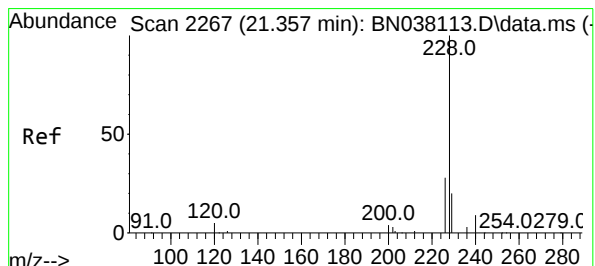
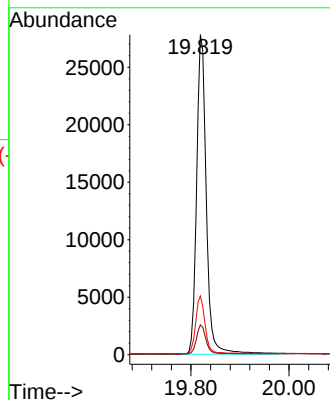
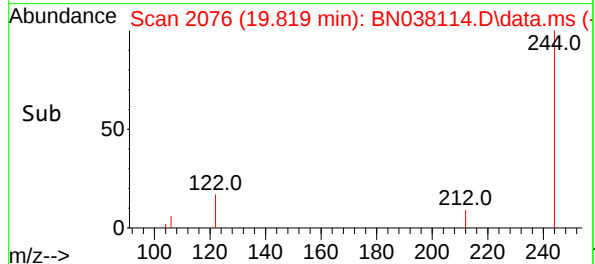
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:244 Resp: 37975
Ion Ratio Lower Upper
244 100
212 9.3 7.8 11.6
122 18.4 15.2 22.8

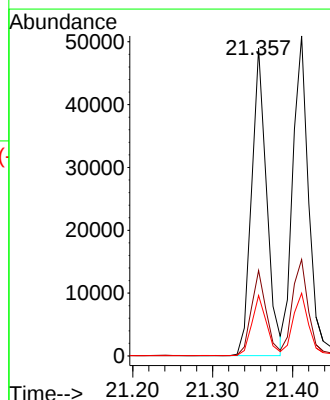
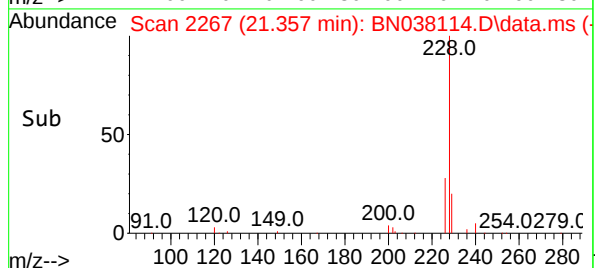
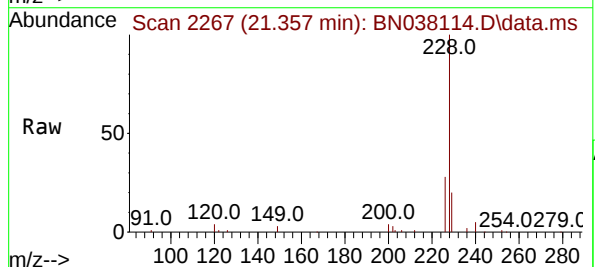
Manual Integrations
APPROVED

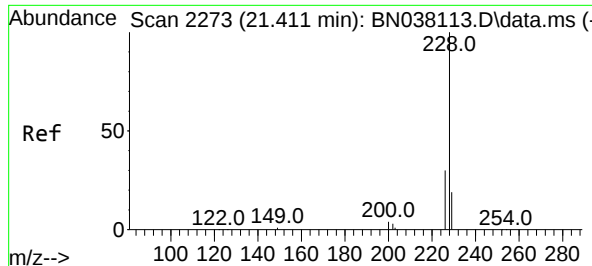
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#32
Benzo(a)anthracene
Concen: 0.764 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:228 Resp: 64140
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 19.6 15.8 23.8





#33

Chrysene

Concen: 0.787 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

Tgt Ion:228 Resp: 7167

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

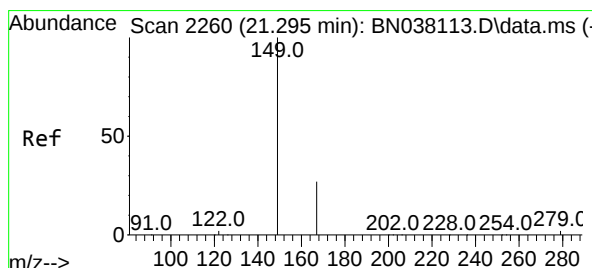
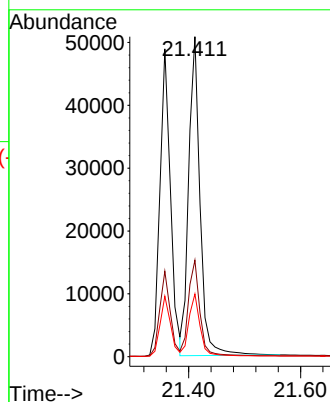
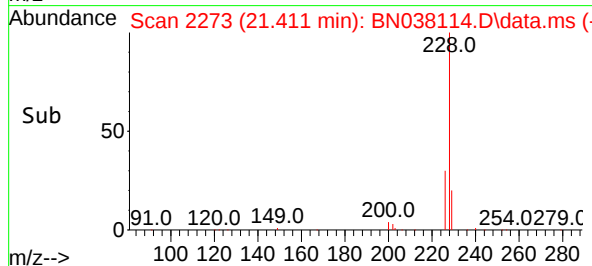
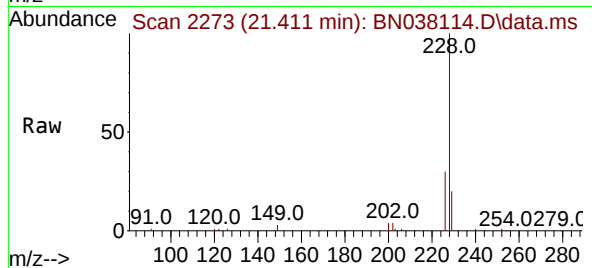
229 19.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.745 ng

RT: 21.295 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

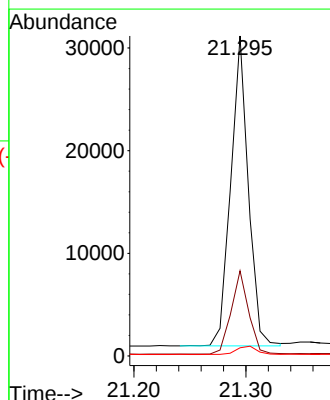
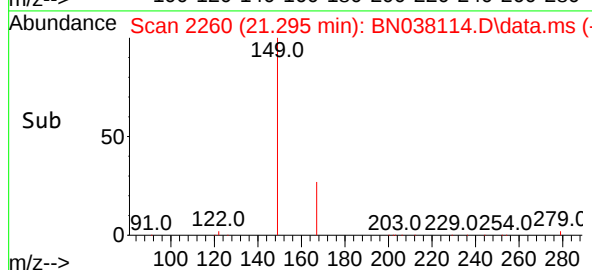
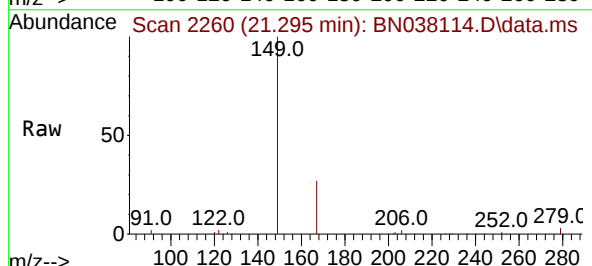
Tgt Ion:149 Resp: 32963

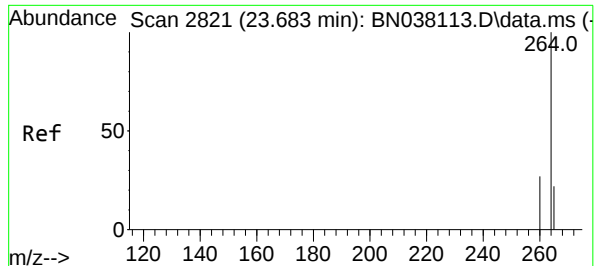
Ion Ratio Lower Upper

149 100

167 26.8 21.1 31.7

279 3.1 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 2821

Delta R.T. 0.003 min

Lab File: BN038114.D

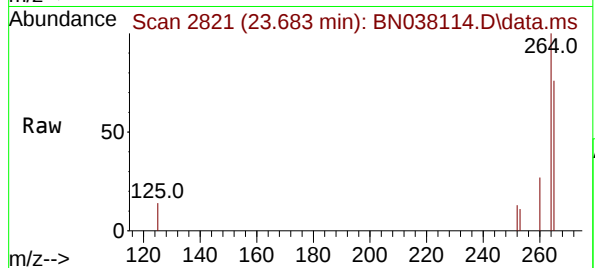
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:264 Resp: 20307

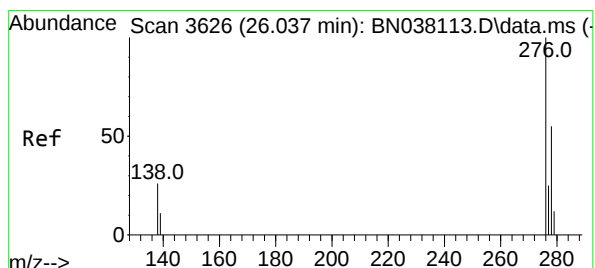
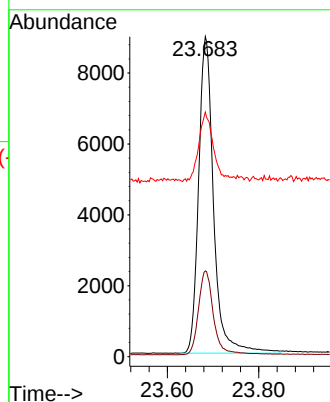
Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	76.5	68.6	102.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.789 ng

RT: 26.039 min Scan# 3627

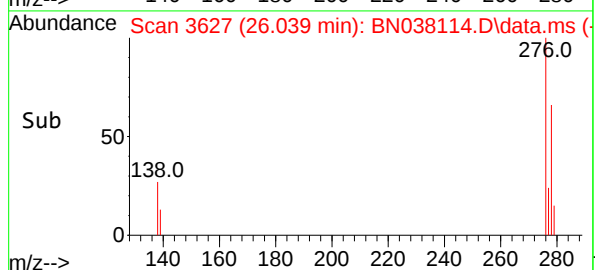
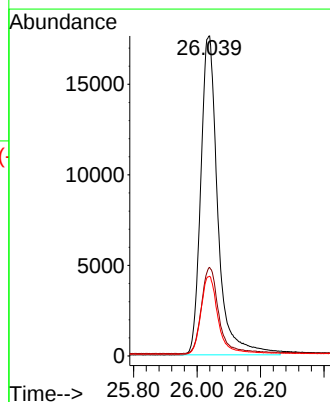
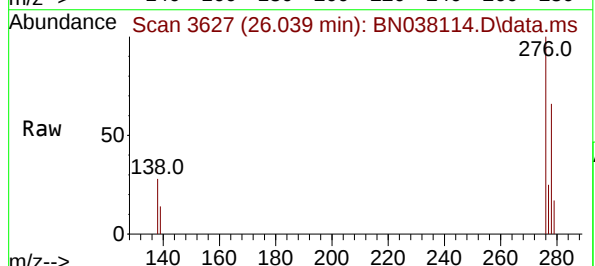
Delta R.T. 0.006 min

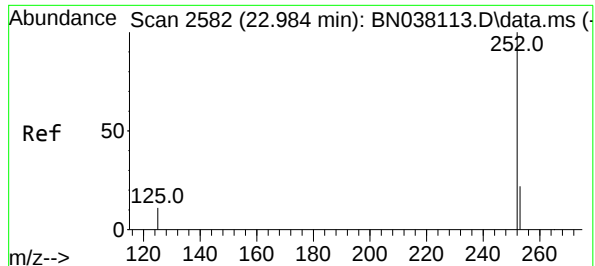
Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion:276 Resp: 65796

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.4	32.0
277	24.7	19.2	28.8





#37

Benzo(b)fluoranthene

Concen: 0.805 ng m

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038114.D

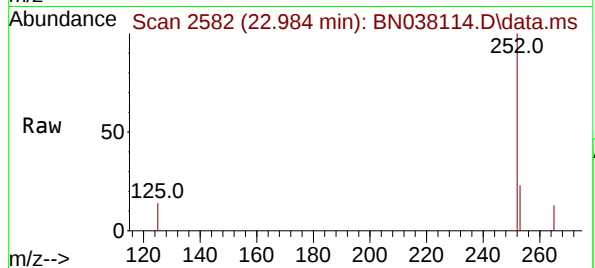
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:252 Resp: 69912

Ion Ratio Lower Upper

252 100

253 23.4 20.9 31.3

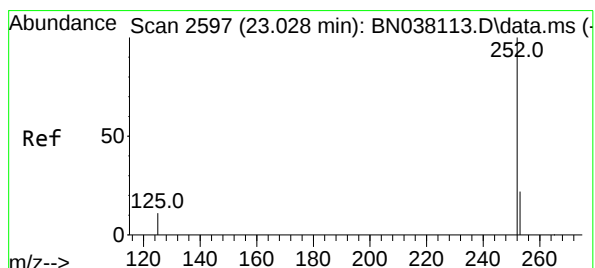
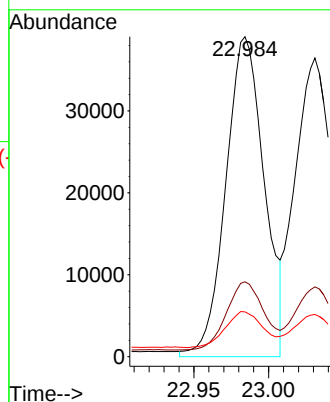
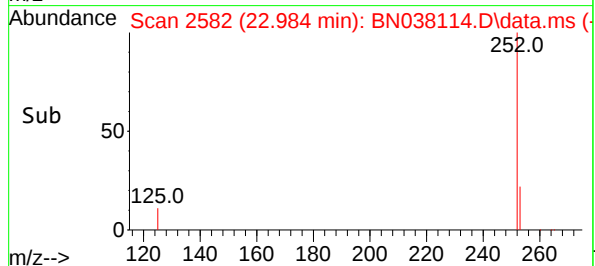
125 14.0 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#38

Benzo(k)fluoranthene

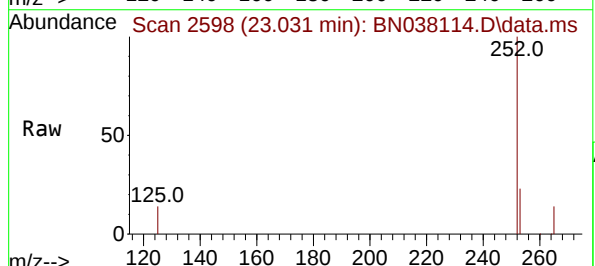
Concen: 0.776 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49



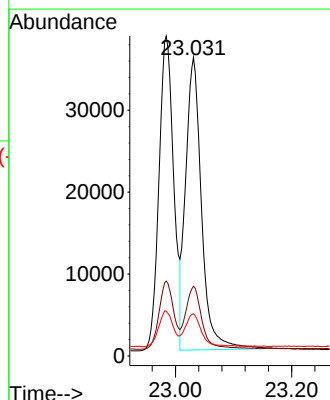
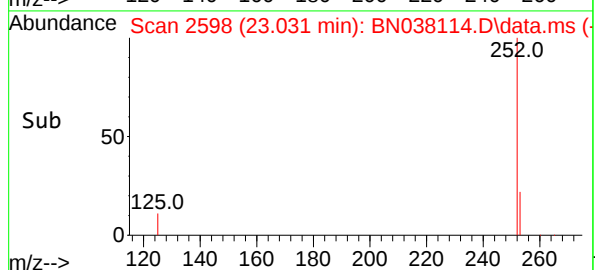
Tgt Ion:252 Resp: 67771

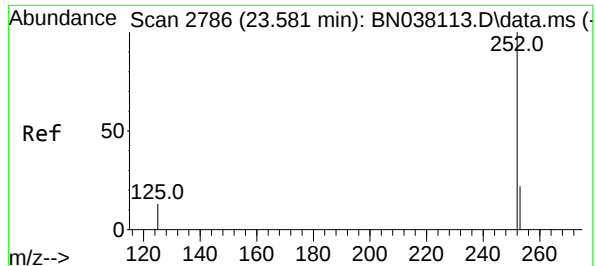
Ion Ratio Lower Upper

252 100

253 23.4 21.2 31.8

125 14.2 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.768 ng

RT: 23.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

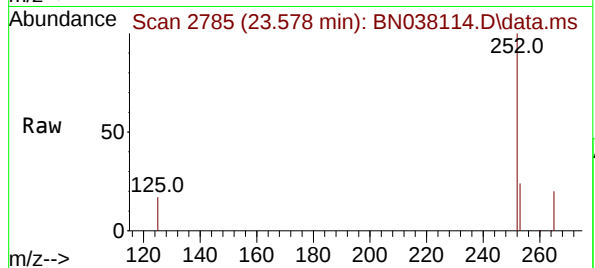
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:252 Resp: 5336

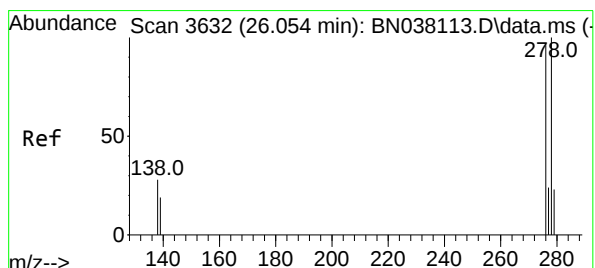
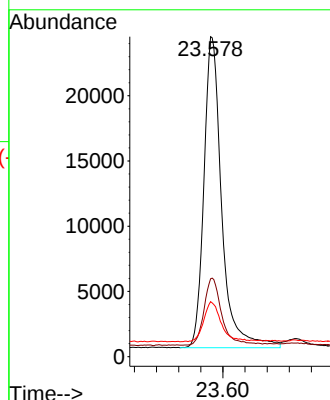
Ion	Ratio	Lower	Upper
252	100		
253	24.4	23.1	34.7
125	17.2	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.784 ng

RT: 26.054 min Scan# 3632

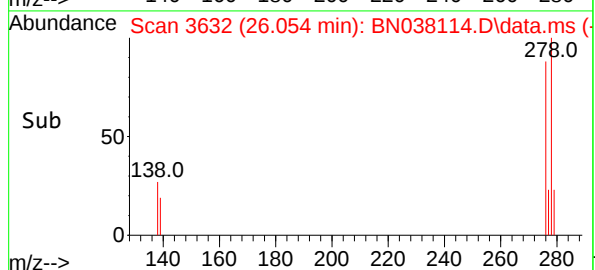
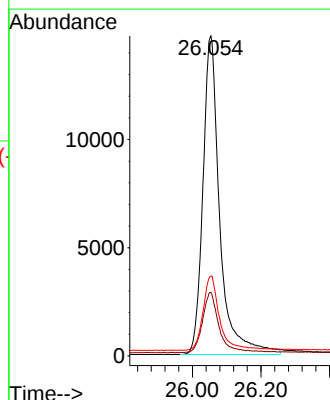
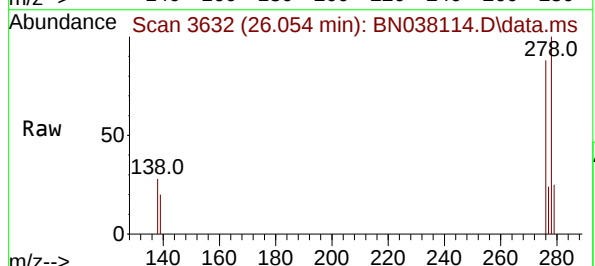
Delta R.T. 0.006 min

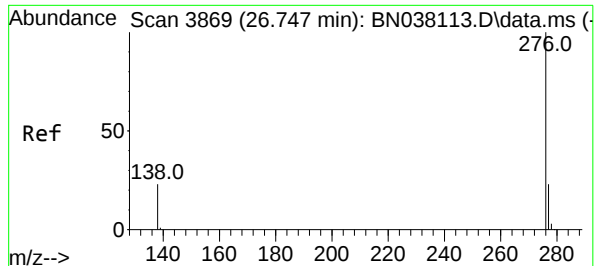
Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion:278 Resp: 50344

Ion	Ratio	Lower	Upper
278	100		
139	19.9	17.6	26.4
279	25.0	22.6	33.8





#41

Benzo(g,h,i)perylene

Concen: 0.793 ng

RT: 26.753 min Scan# 3869

Delta R.T. 0.003 min

Lab File: BN038114.D

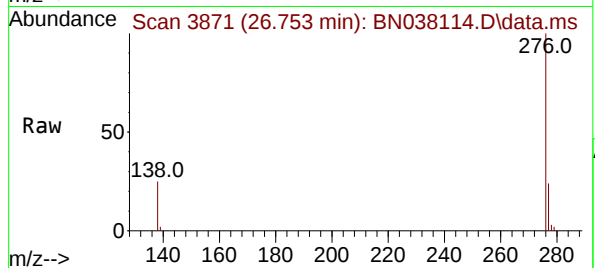
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:276 Resp: 5815

Ion Ratio Lower Upper

276 100

277 24.0 19.7 29.5

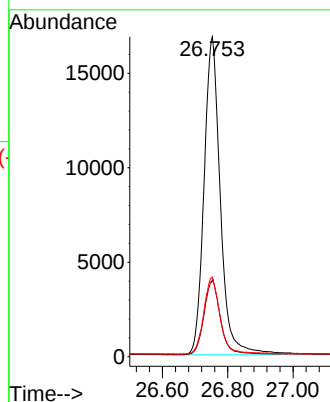
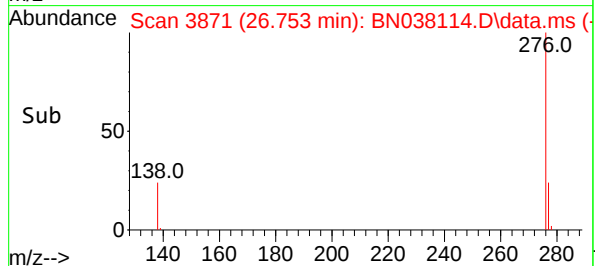
138 24.9 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038115.D
 Acq On : 28 Oct 2025 15:25
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Oct 28 17:31:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

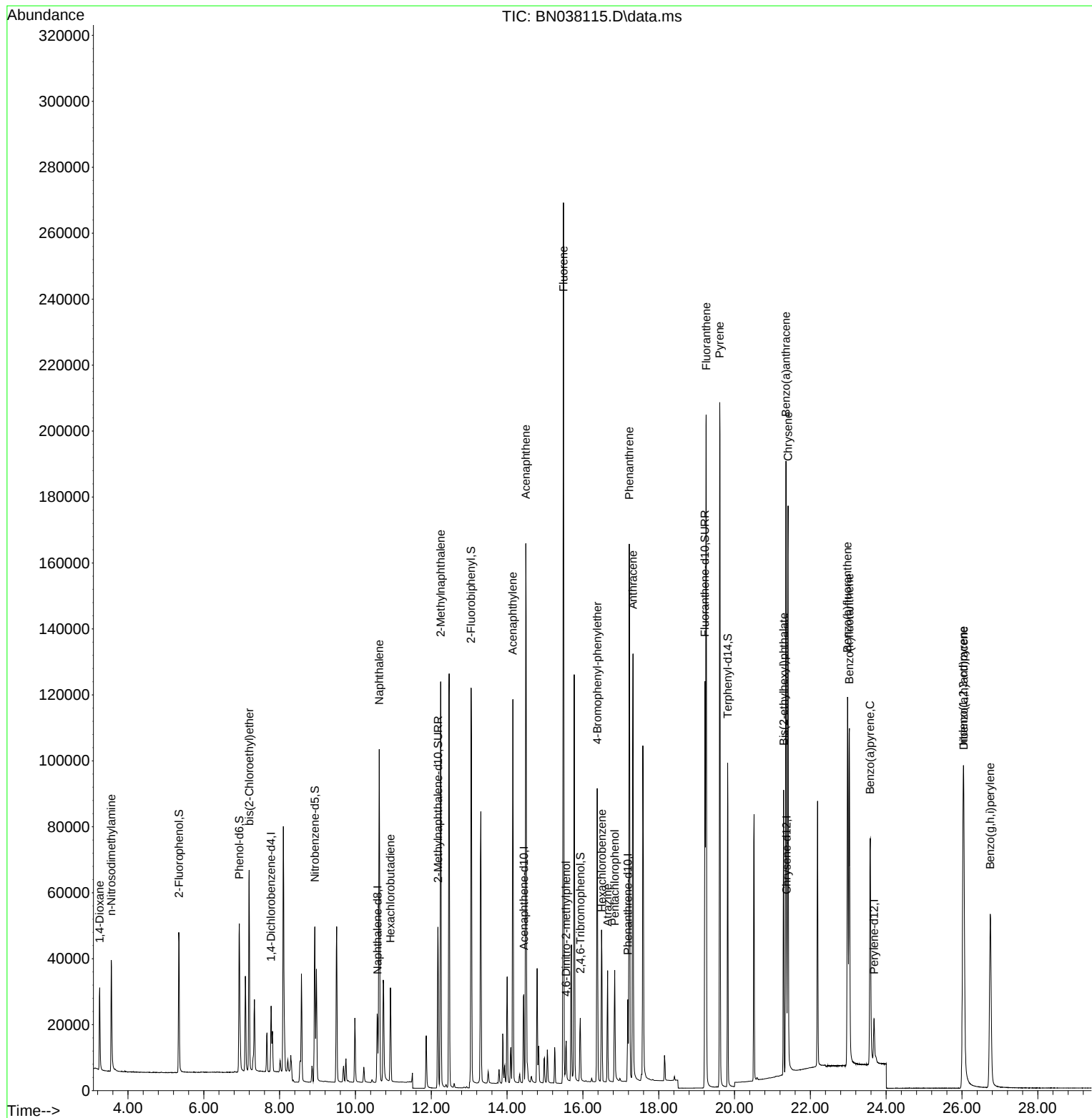
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9872	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	29279	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16624	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31469	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25173	0.400	ng	0.00
35) Perylene-d12	23.680	264	19529	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	36286	1.560	ng	0.00
5) Phenol-d6	6.937	99	44651	1.576	ng	0.00
8) Nitrobenzene-d5	8.929	82	36991	1.566	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	68673	1.642	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	11390	1.663	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	107386	1.613	ng	0.00
27) Fluoranthene-d10	19.220	212	132146	1.665	ng	0.00
31) Terphenyl-d14	19.819	244	89776	1.642	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	16443	1.612	ng	99
3) n-Nitrosodimethylamine	3.557	42	21596	1.645	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	45315	1.628	ng	99
9) Naphthalene	10.626	128	131755	1.634	ng	99
10) Hexachlorobutadiene	10.925	225	22006	1.617	ng	# 99
12) 2-Methylnaphthalene	12.248	142	88687	1.649	ng	99
16) Acenaphthylene	14.152	152	125798	1.671	ng	99
17) Acenaphthene	14.495	154	87659	1.664	ng	98
18) Fluorene	15.489	166	117574	1.703	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	7997	1.534	ng	# 54
21) 4-Bromophenyl-phenylether	16.379	248	34434	1.669	ng	95
22) Hexachlorobenzene	16.503	284	38518	1.642	ng	99
23) Atrazine	16.652	200	25585	1.693	ng	97
24) Pentachlorophenol	16.838	266	16638	1.646	ng	99
25) Phenanthrene	17.223	178	166989	1.671	ng	100
26) Anthracene	17.322	178	148754	1.702	ng	100
28) Fluoranthene	19.253	202	187774	1.682	ng	99
30) Pyrene	19.610	202	184735	1.626	ng	100
32) Benzo(a)anthracene	21.358	228	147889	1.647	ng	99
33) Chrysene	21.411	228	156927	1.610	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	72607	1.535	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	135169	1.685	ng	99
37) Benzo(b)fluoranthene	22.981	252	141041	1.689	ng	# 91
38) Benzo(k)fluoranthene	23.028	252	143019	1.702	ng	# 90
39) Benzo(a)pyrene	23.578	252	110949	1.660	ng	# 85
40) Dibenzo(a,h)anthracene	26.048	278	105589	1.710	ng	92
41) Benzo(g,h,i)perylene	26.747	276	117071	1.660	ng	98

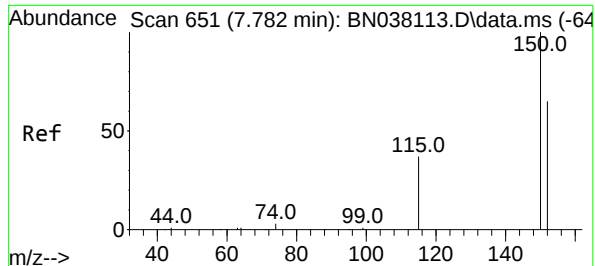
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038115.D
Acq On : 28 Oct 2025 15:25
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

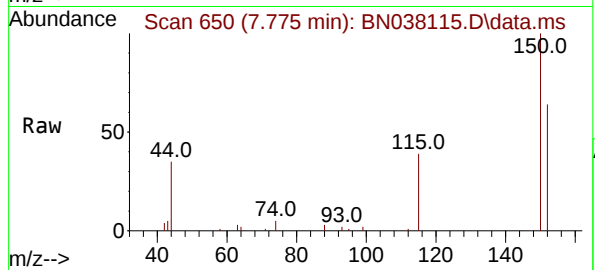
Quant Time: Oct 28 17:31:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



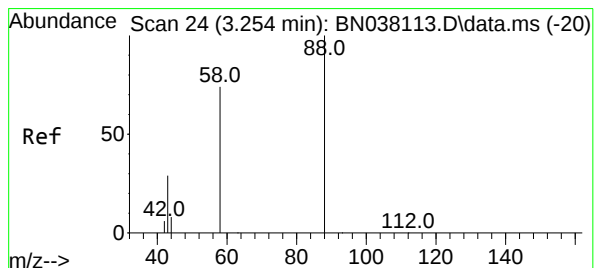
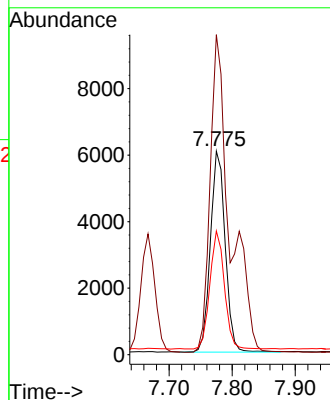
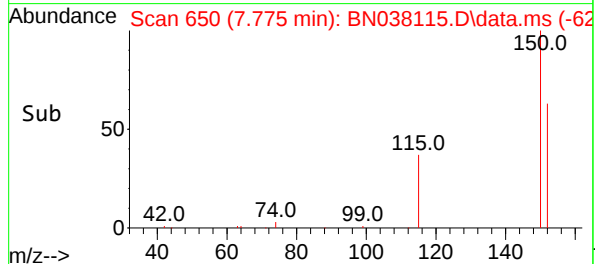


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

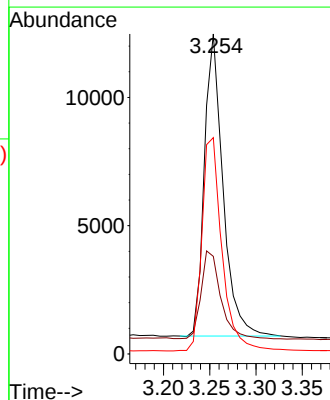
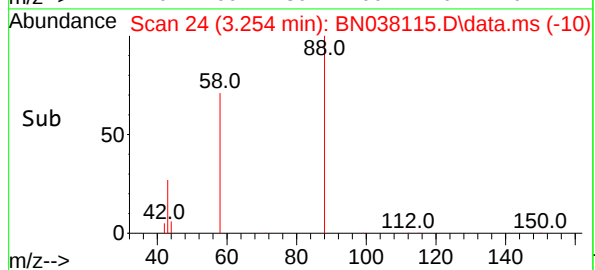
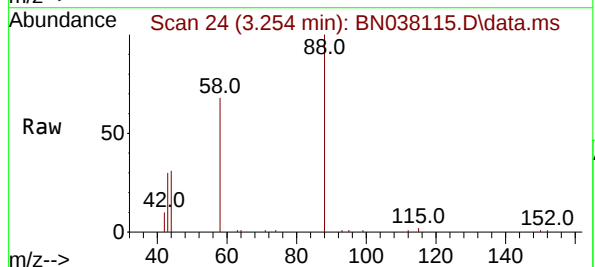


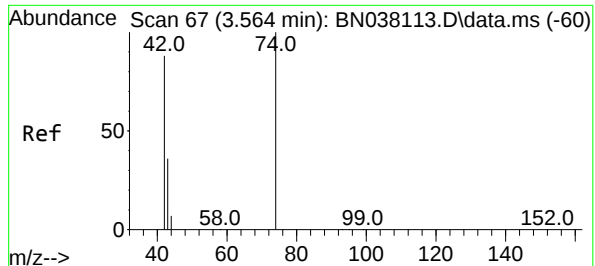
Tgt Ion:152 Resp: 9872
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 60.8 47.4 71.0



#2
1,4-Dioxane
Concen: 1.612 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 88 Resp: 16443
Ion Ratio Lower Upper
88 100
43 30.7 24.3 36.5
58 76.6 60.4 90.6

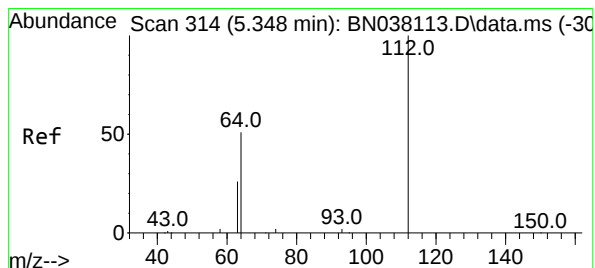
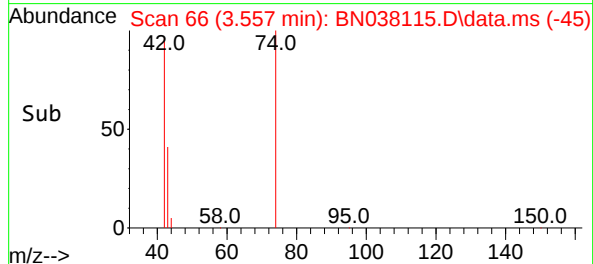
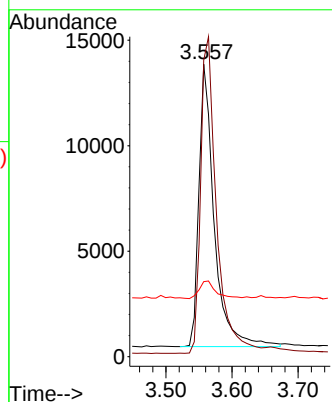
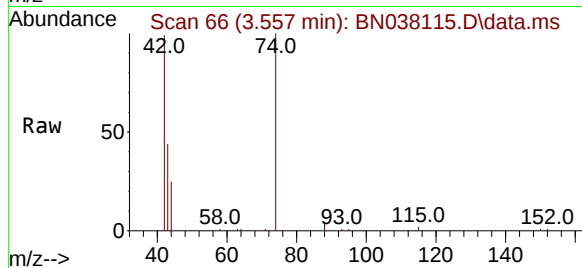




#3
n-Nitrosodimethylamine
Concen: 1.645 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

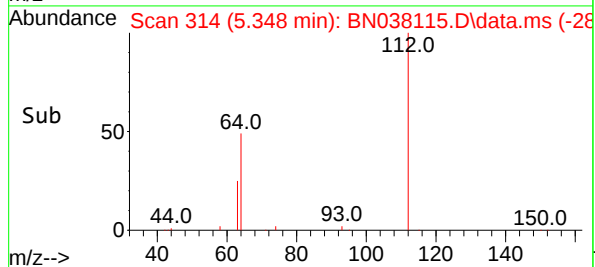
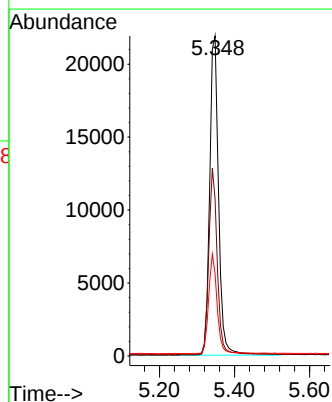
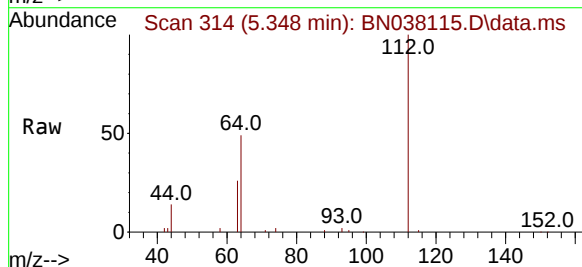
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

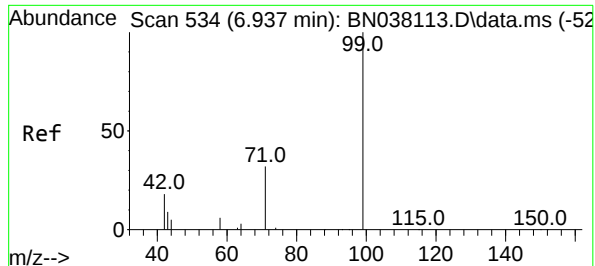
Tgt Ion: 42 Resp: 21596
Ion Ratio Lower Upper
42 100
74 115.8 96.8 145.2
44 6.3 5.3 7.9



#4
2-Fluorophenol
Concen: 1.560 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 112 Resp: 36286
Ion Ratio Lower Upper
112 100
64 56.2 45.4 68.0
63 29.9 23.2 34.8

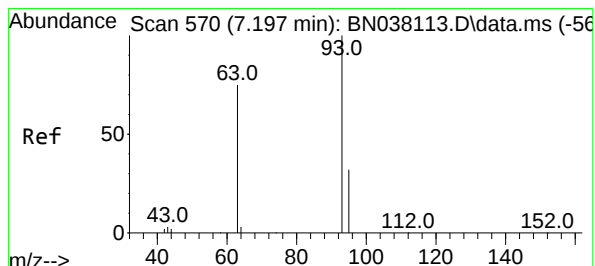
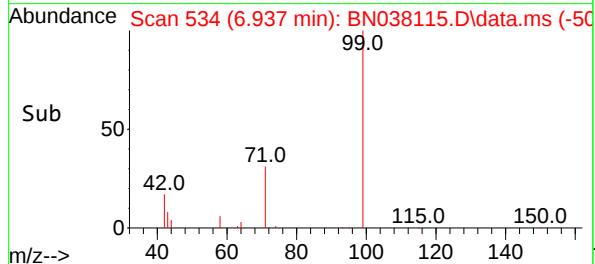
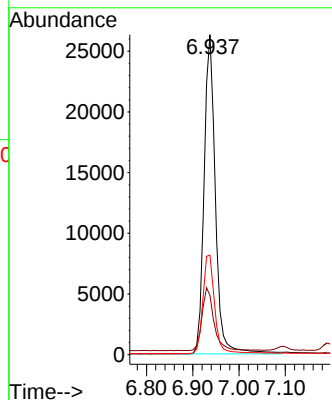
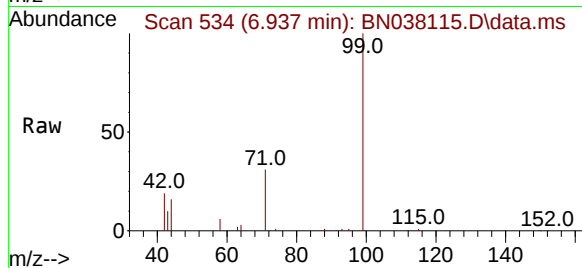




#5
Phenol-d6
Concen: 1.576 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

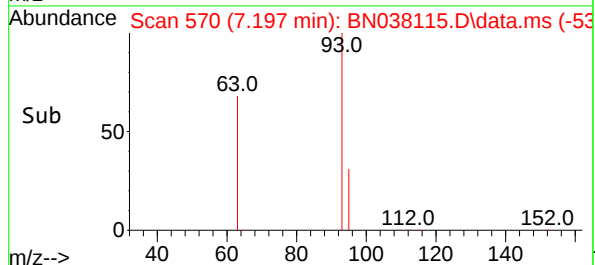
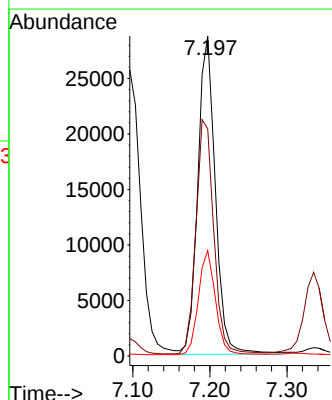
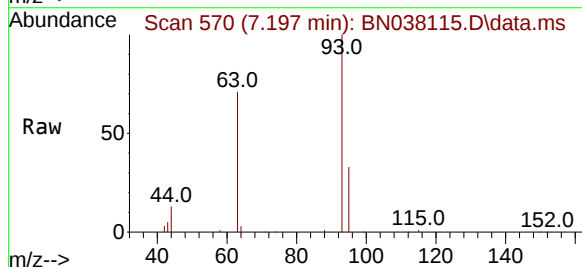
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

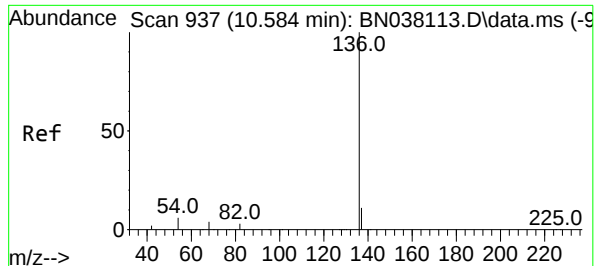
Tgt Ion: 99 Resp: 44651
Ion Ratio Lower Upper
99 100
42 20.8 16.6 24.8
71 32.5 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 1.628 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 93 Resp: 45315
Ion Ratio Lower Upper
93 100
63 74.8 59.3 88.9
95 31.9 25.2 37.8

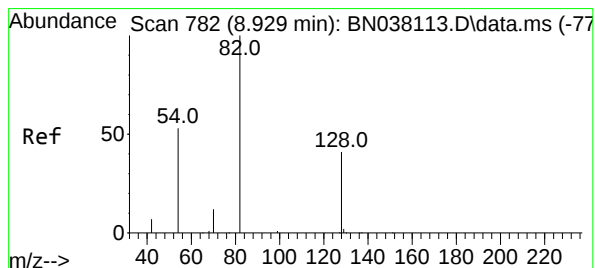
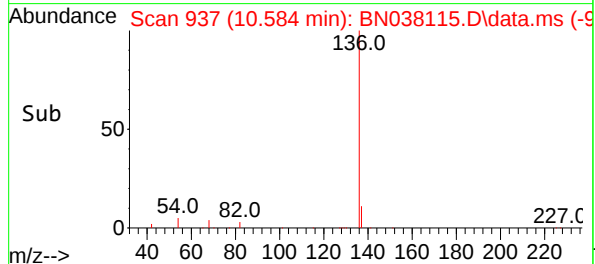
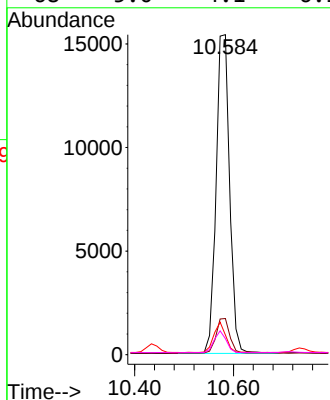
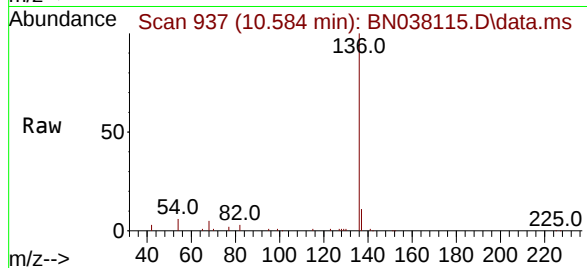




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

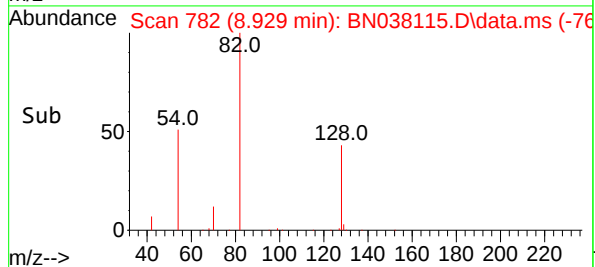
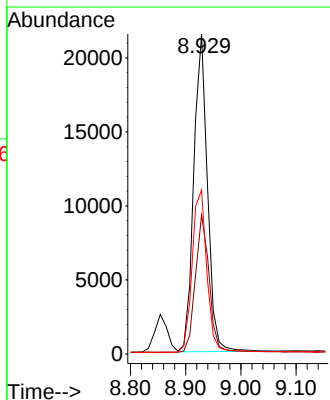
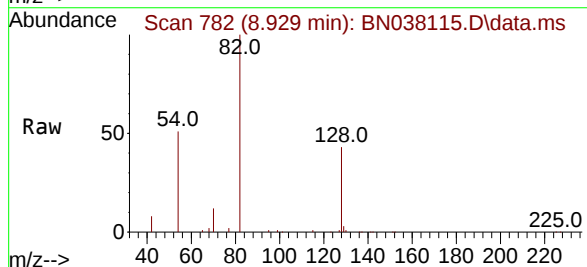
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

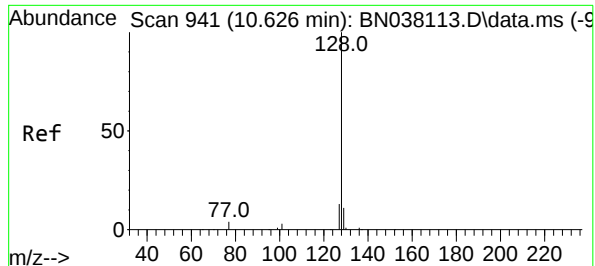
Tgt Ion:	136	Resp:	29279
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.1	5.2	7.8
68	5.0	4.1	6.1



#8
Nitrobenzene-d5
Concen: 1.566 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:	82	Resp:	36991
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.1	51.1
54	51.3	43.5	65.3

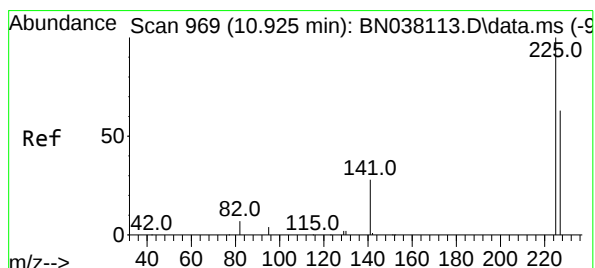
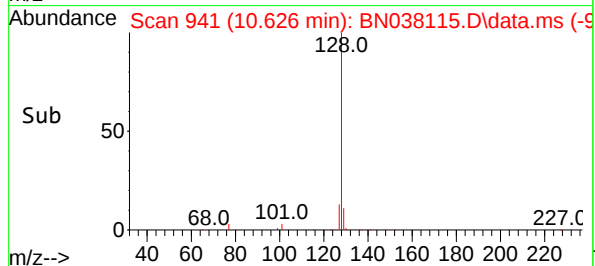
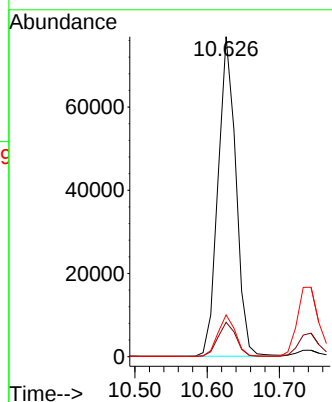
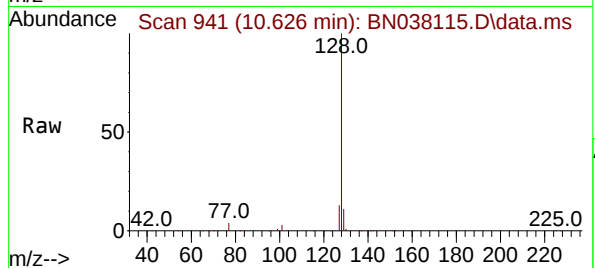


#9
Naphthalene

Concen: 1.634 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 131755
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.5 15.7

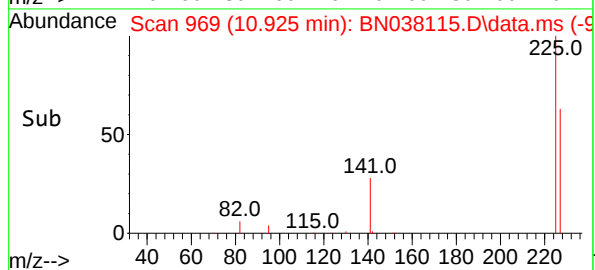
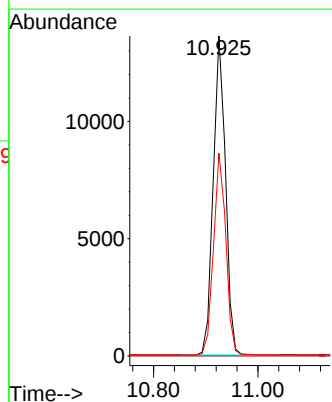
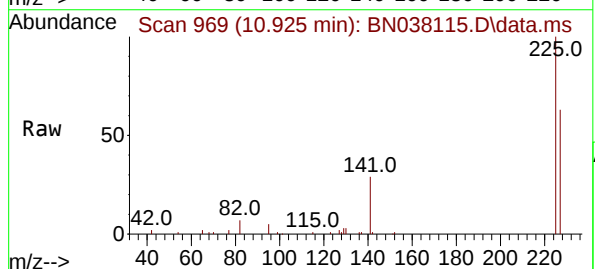


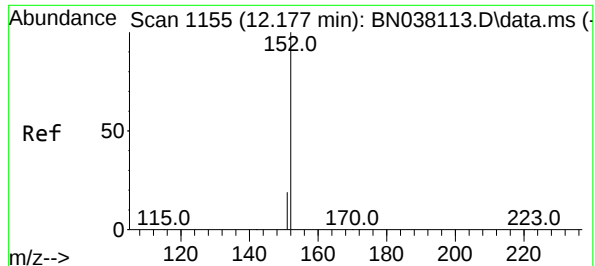
#10

Hexachlorobutadiene

Concen: 1.617 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:225 Resp: 22006
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.3 75.5

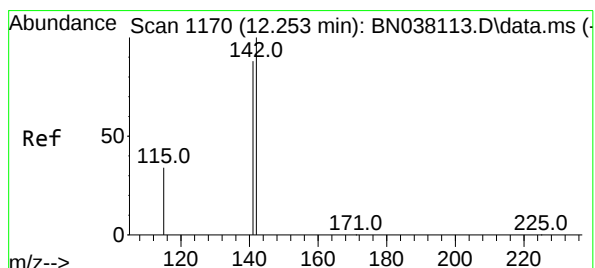
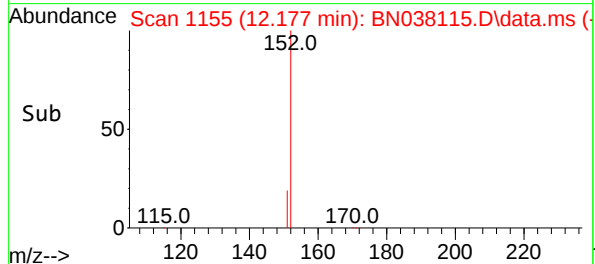
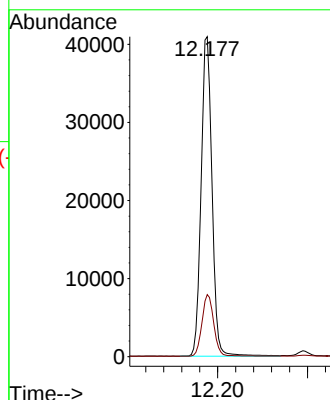
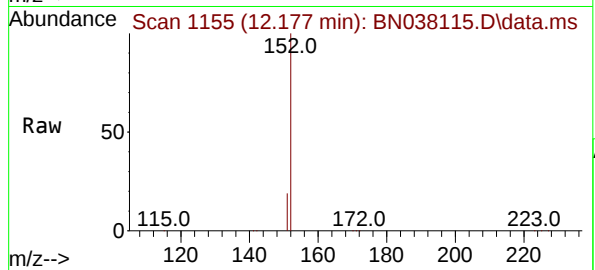




#11
2-Methylnaphthalene-d10
Concen: 1.642 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

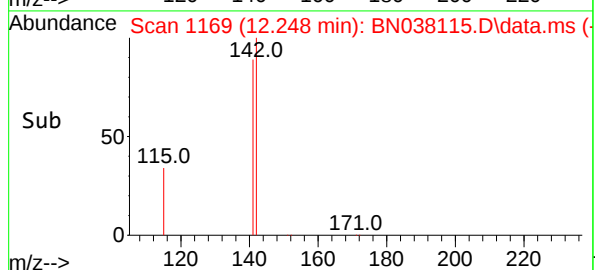
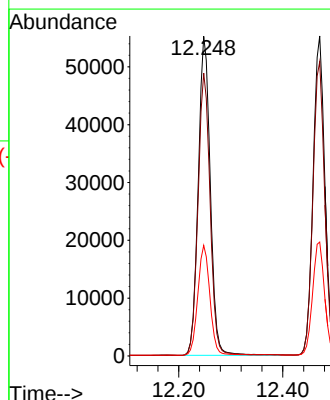
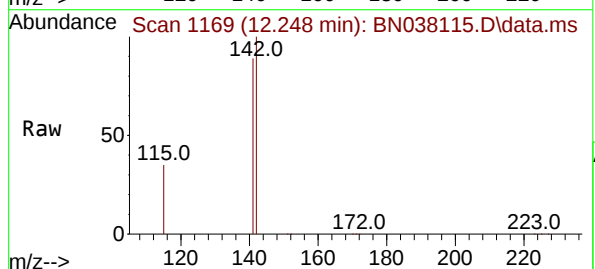
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

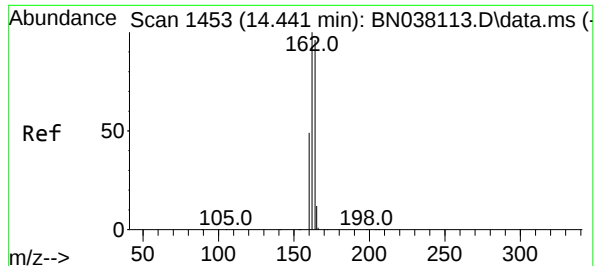
Tgt Ion:152 Resp: 68673
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 1.649 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:142 Resp: 88687
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 34.6 27.8 41.6

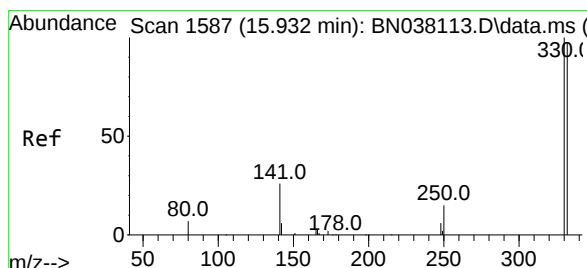
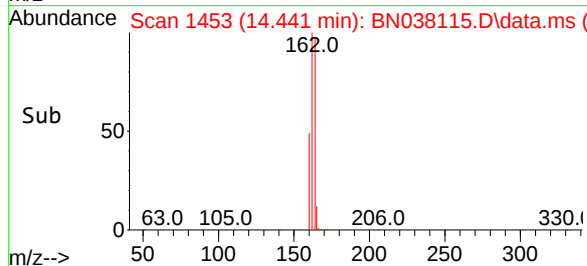
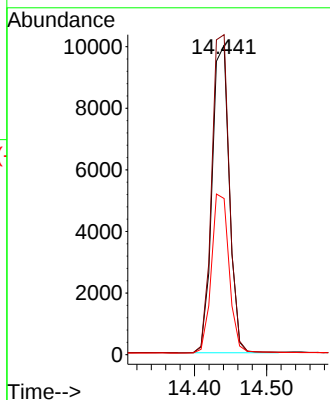
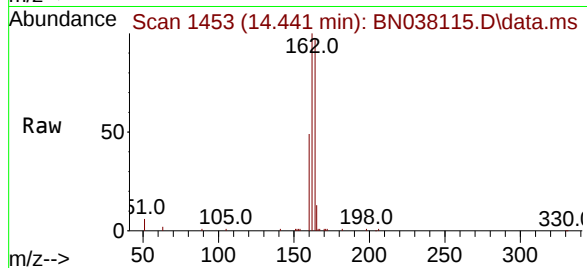




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

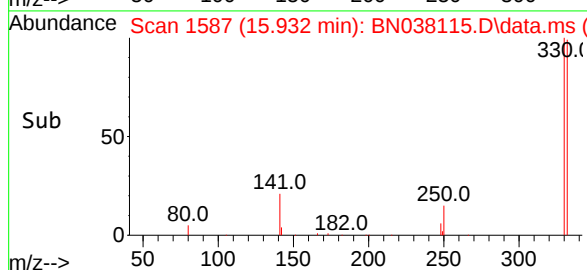
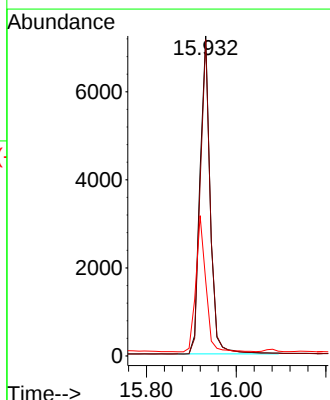
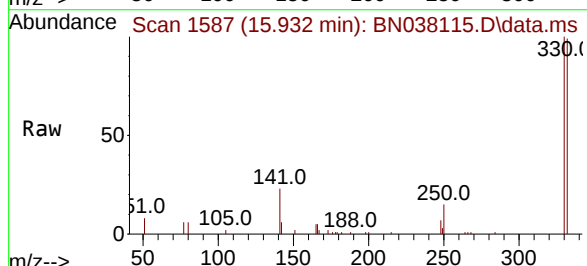
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

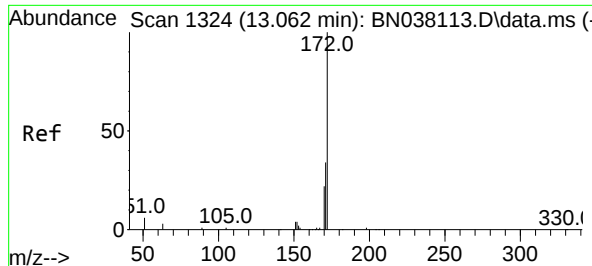
Tgt Ion:164 Resp: 16624
Ion Ratio Lower Upper
164 100
162 103.5 83.0 124.4
160 50.5 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 1.663 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:330 Resp: 11390
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 41.9 34.1 51.1

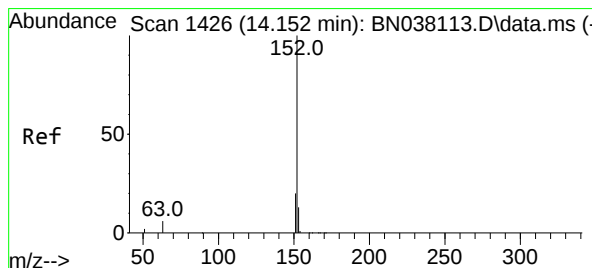
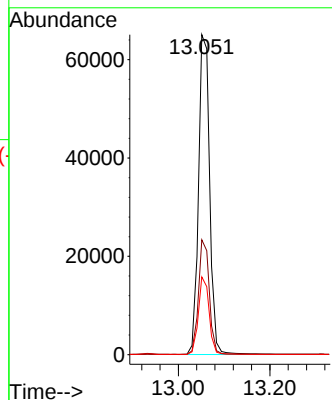
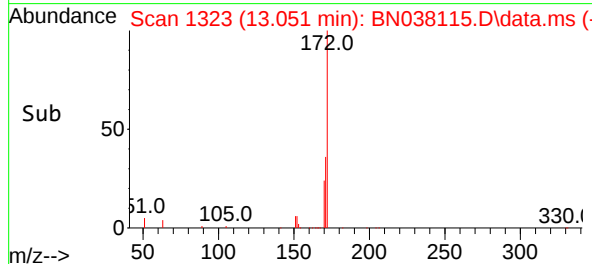
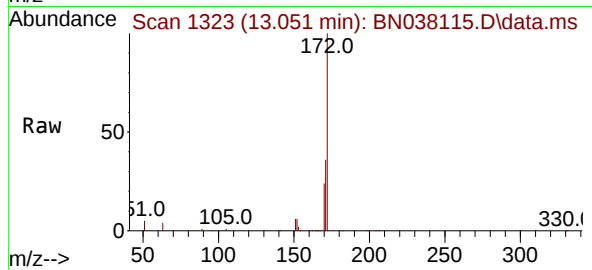




#15
2-Fluorobiphenyl
Concen: 1.613 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

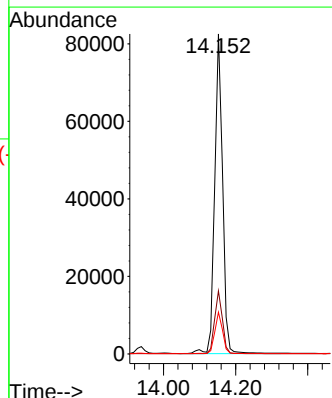
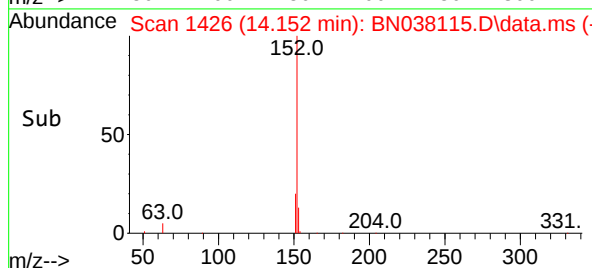
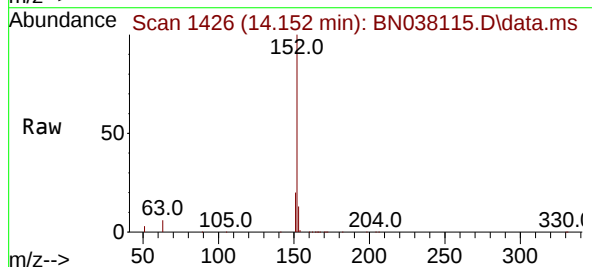
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BNA_N
ClientSampleId :
SSTDICC1.6

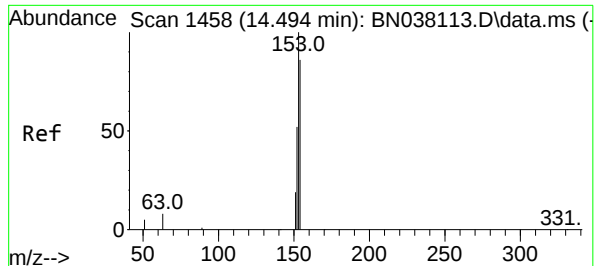
Tgt Ion:172 Resp: 107386
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.3 18.1 27.1



#16
Acenaphthylene
Concen: 1.671 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:152 Resp: 125798
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8
153 13.0 10.2 15.2

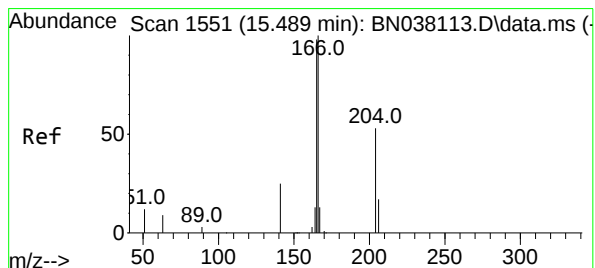
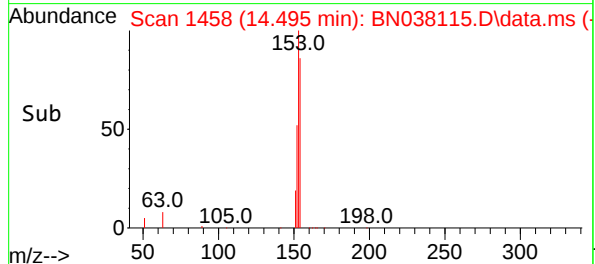
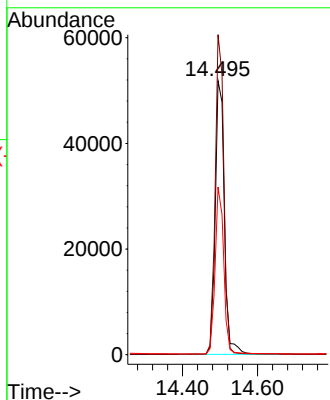
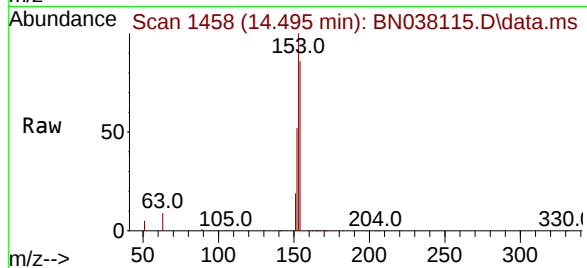




#17
Acenaphthene
Concen: 1.664 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

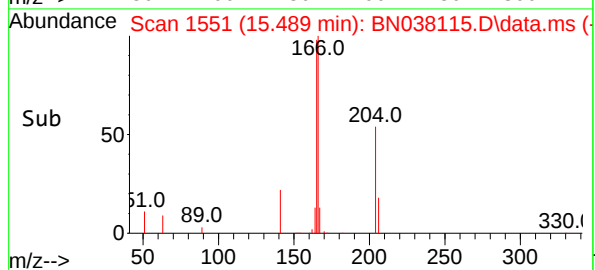
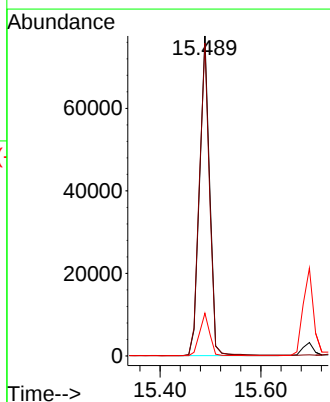
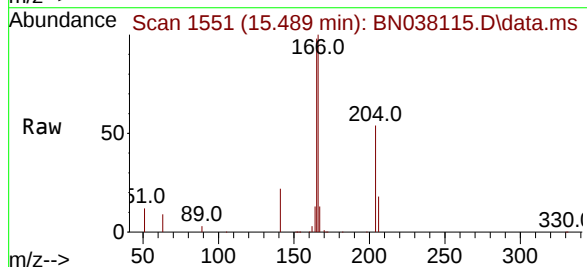
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

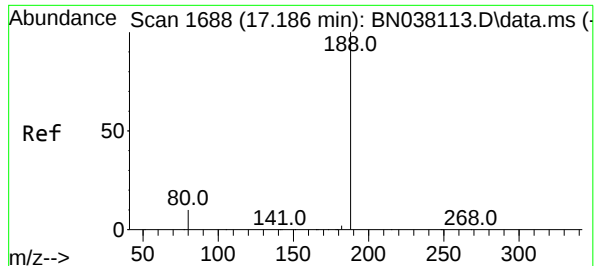
Tgt Ion:154 Resp: 87659
Ion Ratio Lower Upper
154 100
153 110.3 90.0 135.0
152 57.5 47.3 70.9



#18
Fluorene
Concen: 1.703 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:166 Resp: 117574
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.4
167 13.2 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

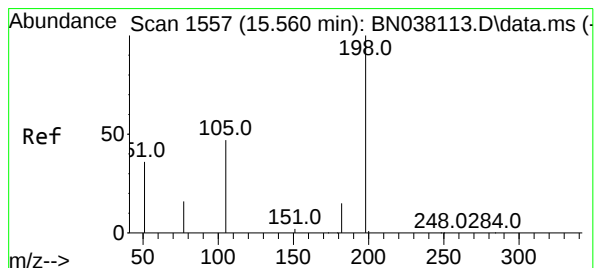
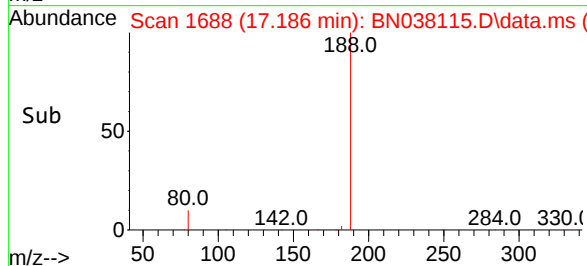
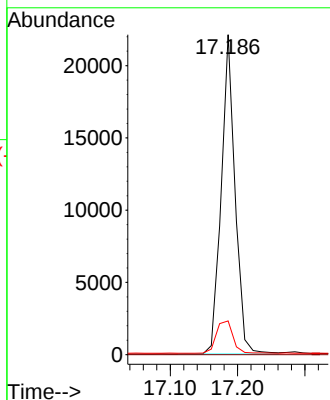
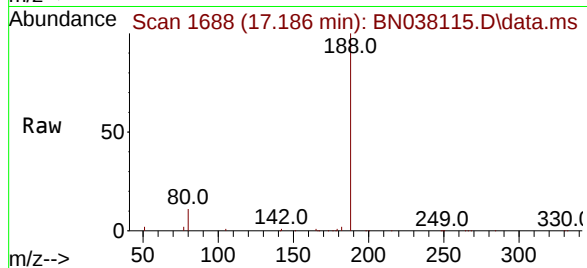
Tgt Ion:188 Resp: 31469

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 1.534 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

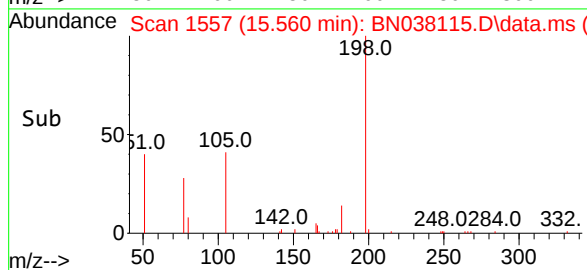
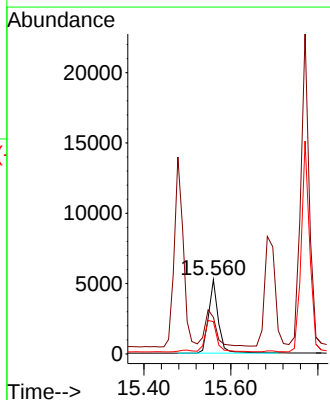
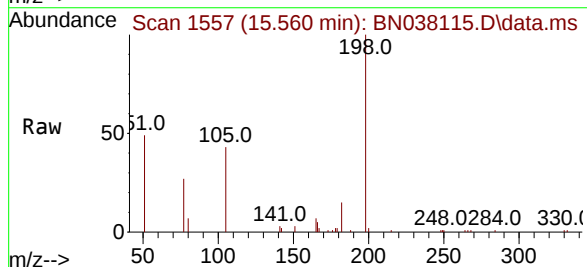
Tgt Ion:198 Resp: 7997

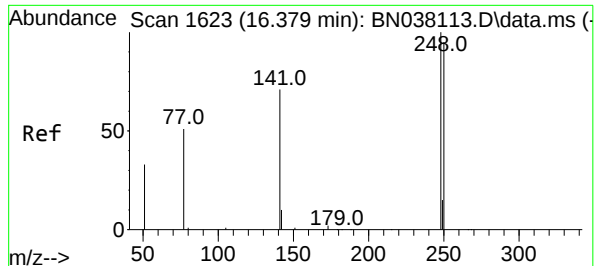
Ion Ratio Lower Upper

198 100

51 49.4 88.9 133.3#

105 43.5 49.2 73.8#

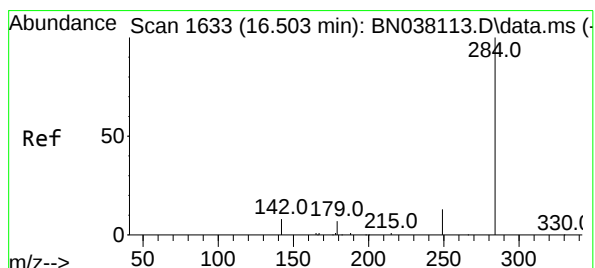
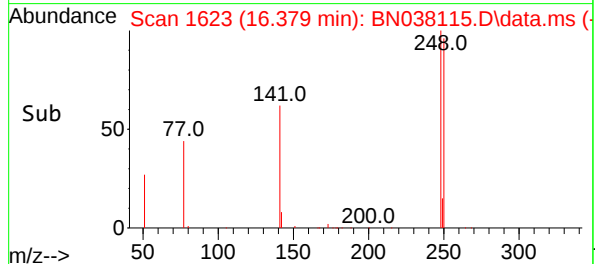
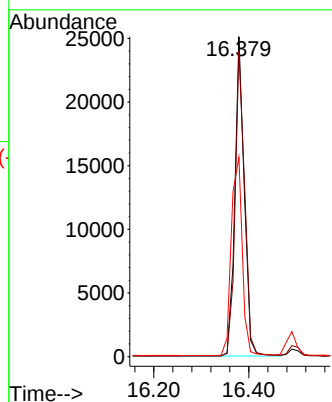
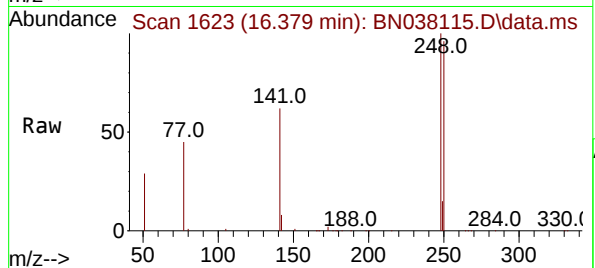




#21
4-Bromophenyl-phenylether
Concen: 1.669 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

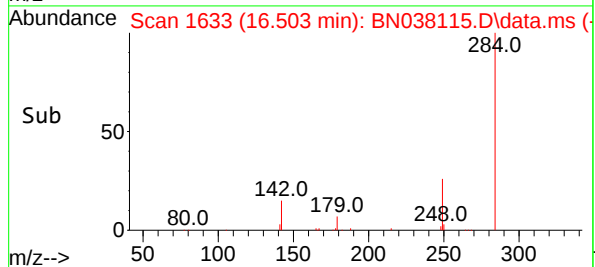
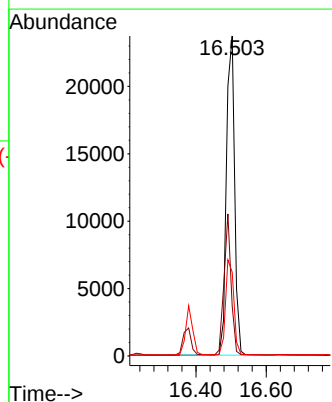
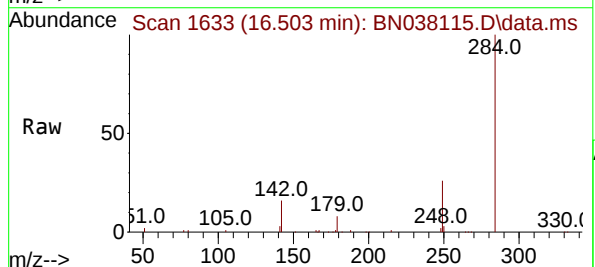
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

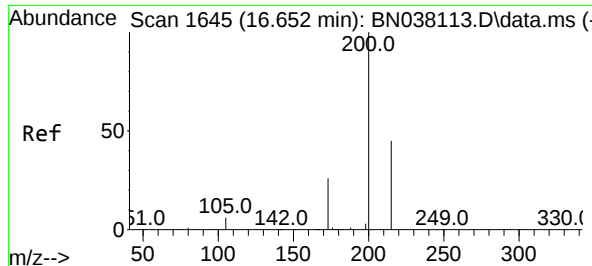
Tgt Ion:248 Resp: 34434
Ion Ratio Lower Upper
248 100
250 95.6 76.2 114.2
141 62.3 57.6 86.4



#22
Hexachlorobenzene
Concen: 1.642 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:284 Resp: 38518
Ion Ratio Lower Upper
284 100
142 38.3 30.5 45.7
249 30.0 23.5 35.3

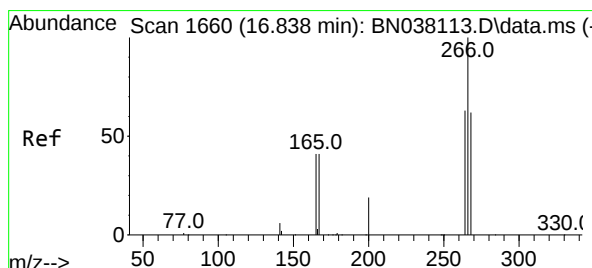
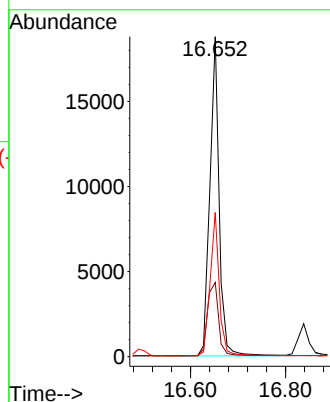
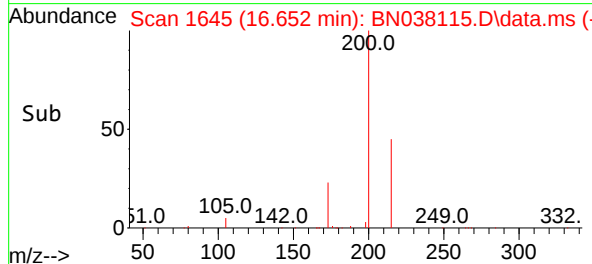
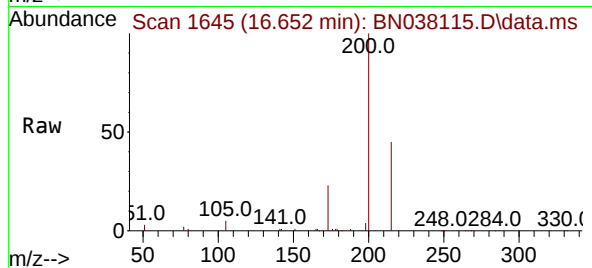




#23
Atrazine
Concen: 1.693 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

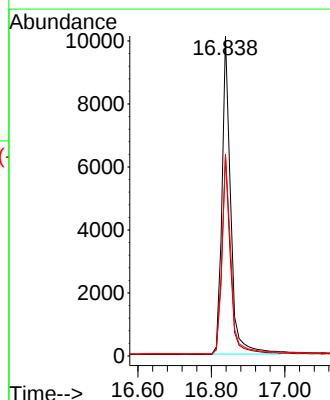
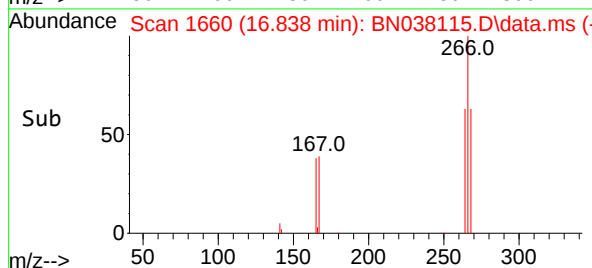
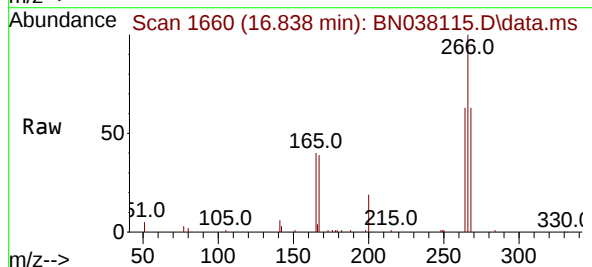
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

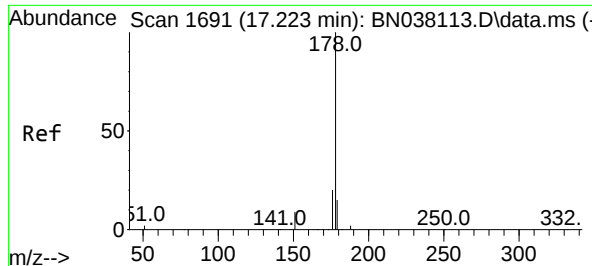
Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.2	21.4	32.2
215	45.1	36.7	55.1



#24
Pentachlorophenol
Concen: 1.646 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.3	73.9
268	63.5	50.6	75.8

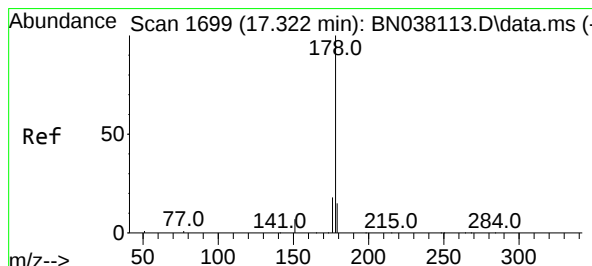
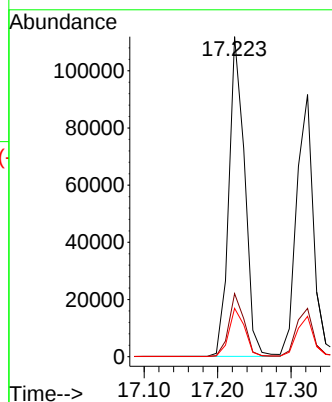
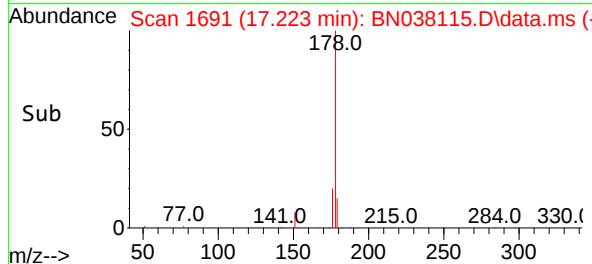
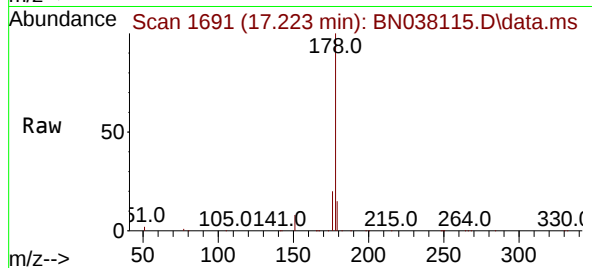




#25
Phenanthrene
Concen: 1.671 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

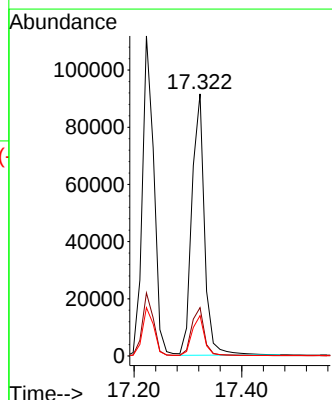
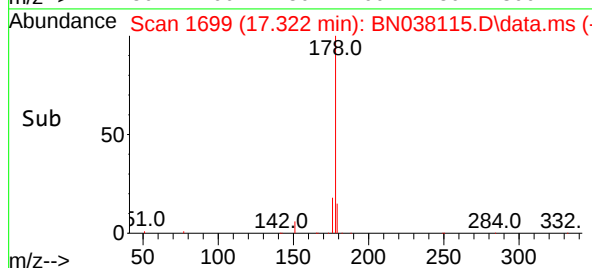
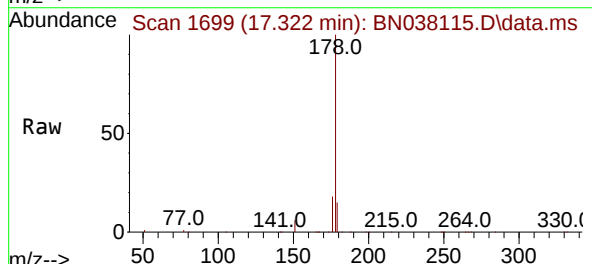
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

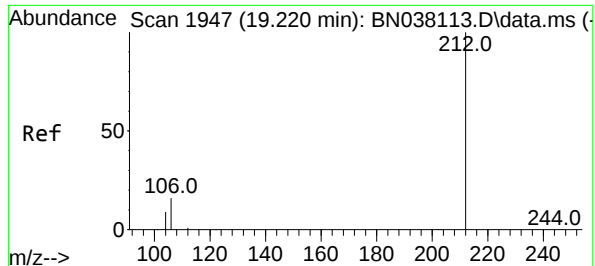
Tgt Ion:178 Resp: 166989
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4



#26
Anthracene
Concen: 1.702 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:178 Resp: 148754
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 1.665 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

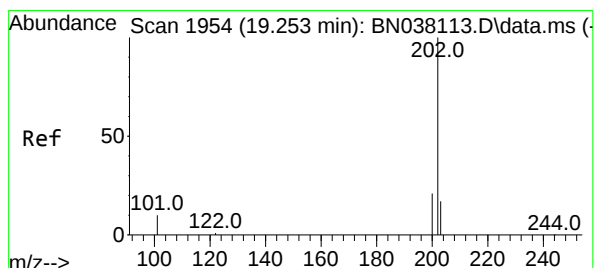
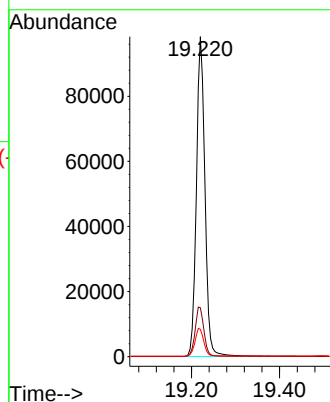
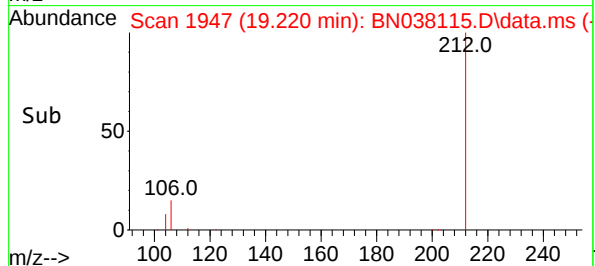
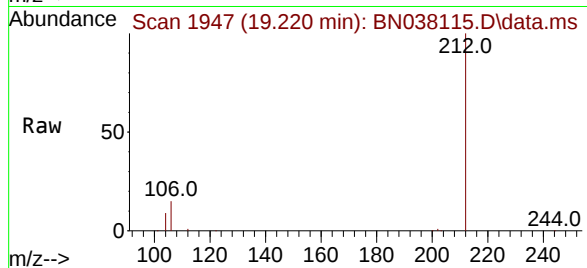
Tgt Ion:212 Resp: 132146

Ion Ratio Lower Upper

212 100

106 16.0 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 1.682 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

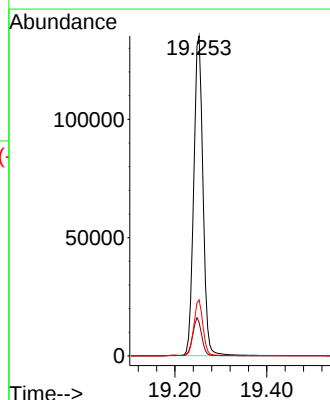
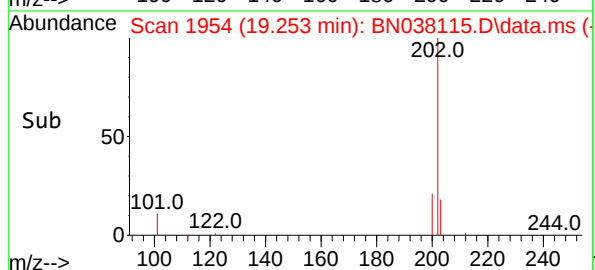
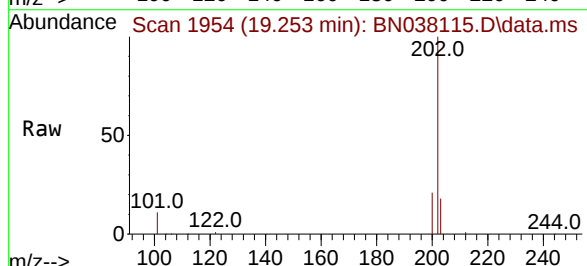
Tgt Ion:202 Resp: 187774

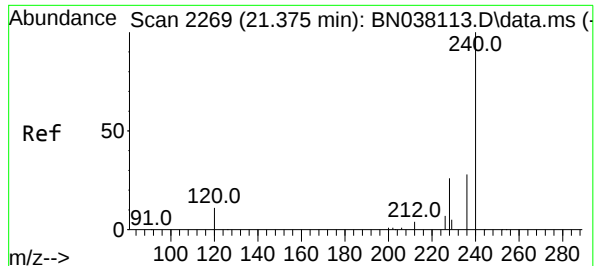
Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

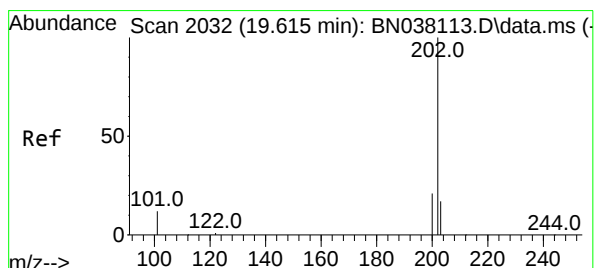
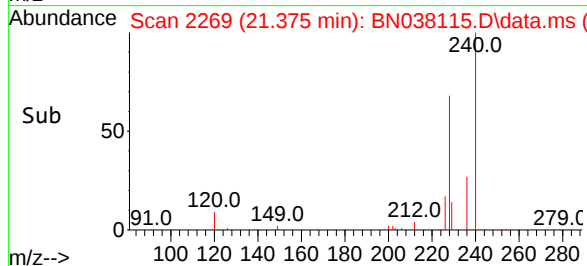
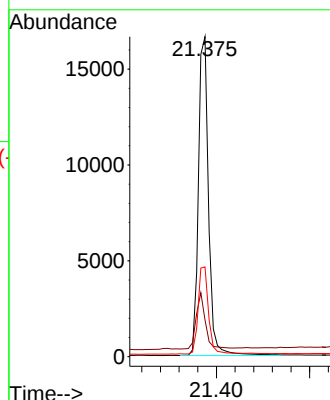
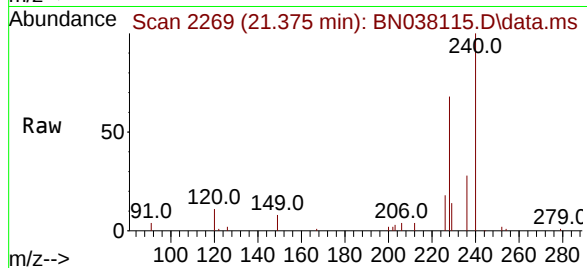
Tgt Ion:240 Resp: 25173

Ion Ratio Lower Upper

240 100

120 11.5 10.7 16.1

236 28.0 23.1 34.7



#30

Pyrene

Concen: 1.626 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

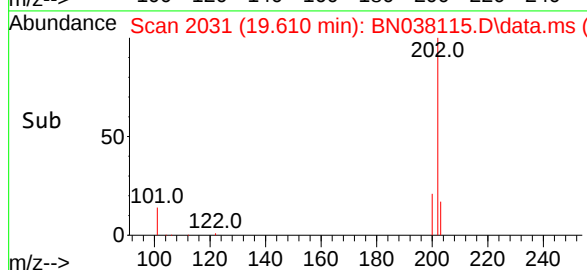
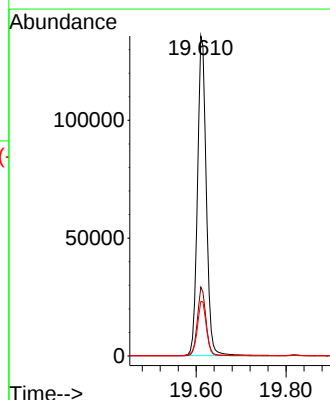
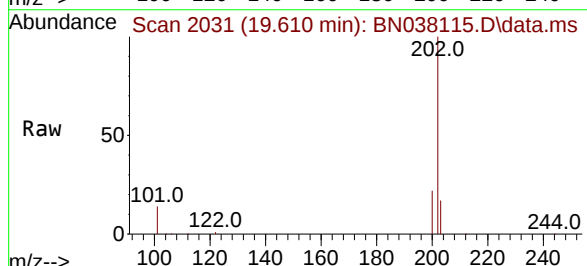
Tgt Ion:202 Resp: 184735

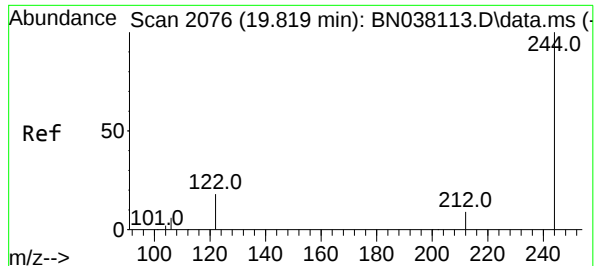
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

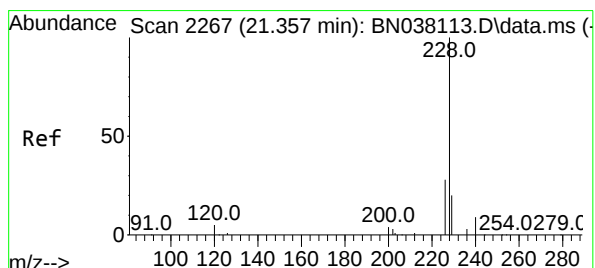
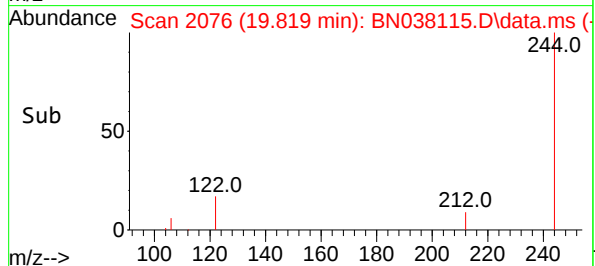
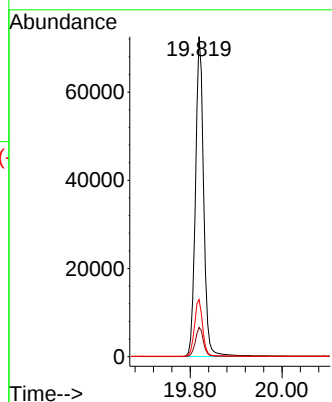
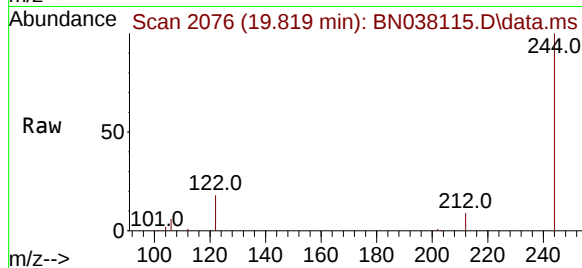




#31
Terphenyl-d14
Concen: 1.642 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

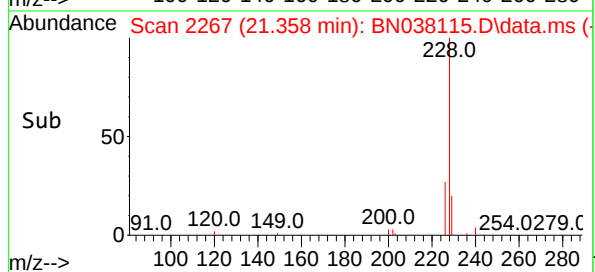
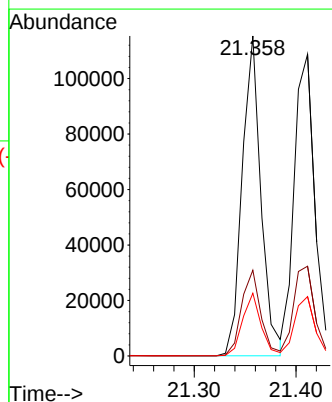
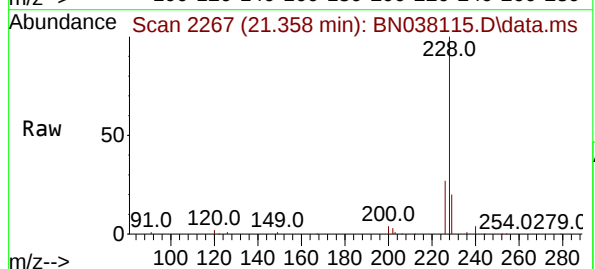
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

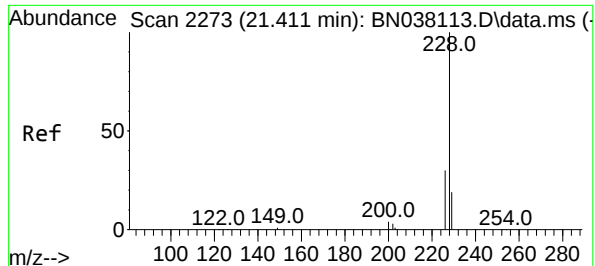
Tgt Ion:244 Resp: 89776
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 17.8 15.2 22.8



#32
Benzo(a)anthracene
Concen: 1.647 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:228 Resp: 147889
Ion Ratio Lower Upper
228 100
226 26.8 22.2 33.4
229 19.6 15.8 23.8

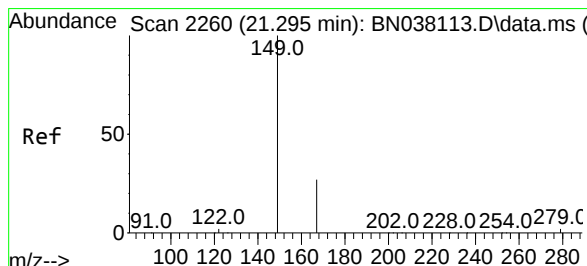
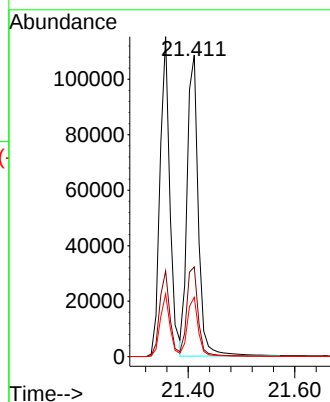
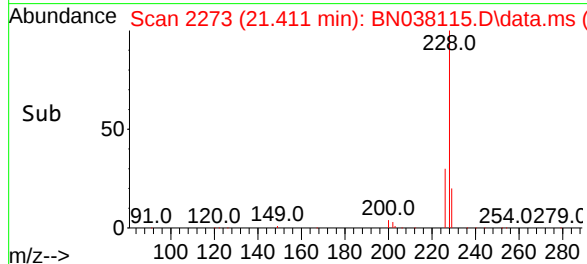
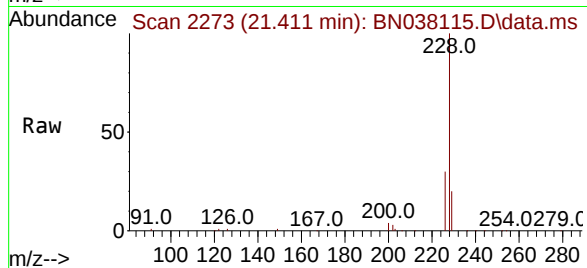




#33
Chrysene
Concen: 1.610 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

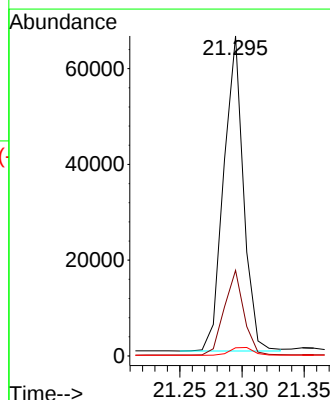
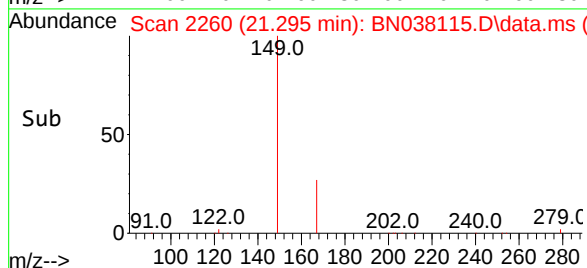
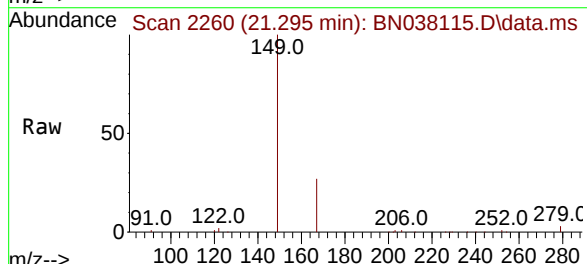
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

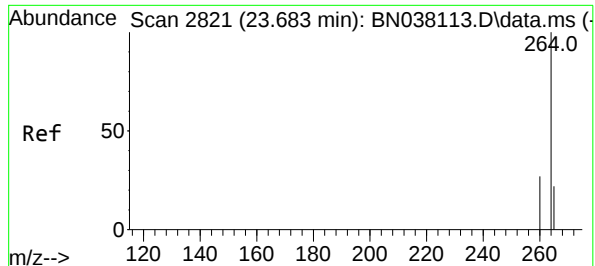
Tgt Ion:228 Resp: 156927
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 19.7 15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.535 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:149 Resp: 72607
Ion Ratio Lower Upper
149 100
167 26.6 21.1 31.7
279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.680 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

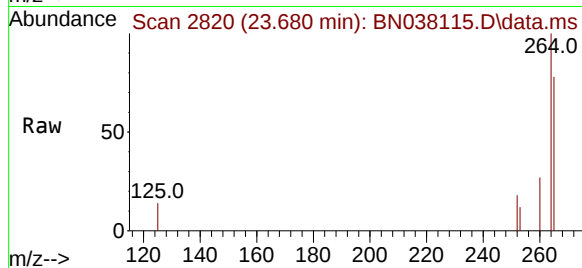
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



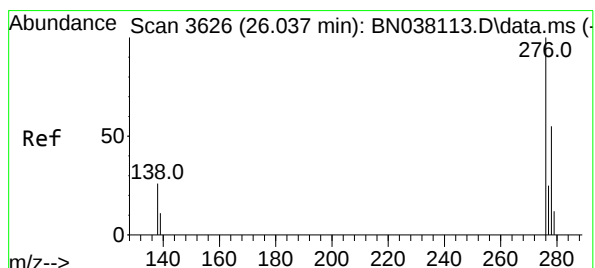
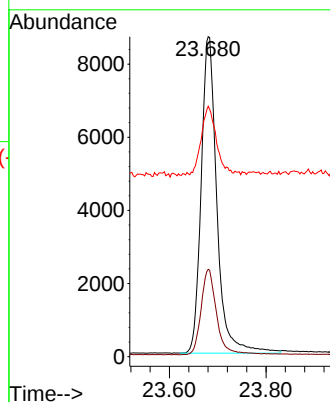
Tgt Ion:264 Resp: 19529

Ion Ratio Lower Upper

264 100

260 27.3 21.8 32.8

265 78.3 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.685 ng

RT: 26.031 min Scan# 3624

Delta R.T. -0.003 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

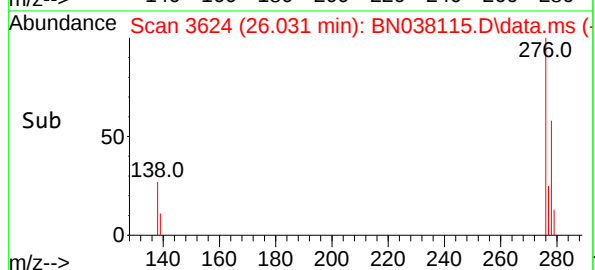
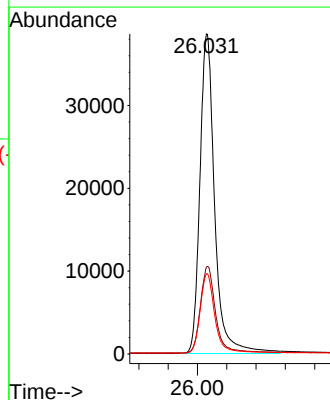
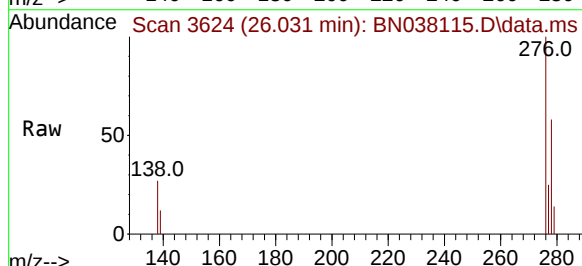
Tgt Ion:276 Resp: 135169

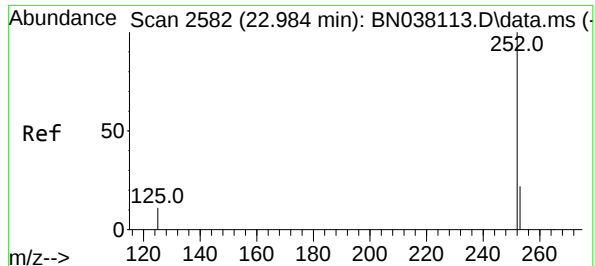
Ion Ratio Lower Upper

276 100

138 27.6 21.4 32.0

277 24.5 19.2 28.8

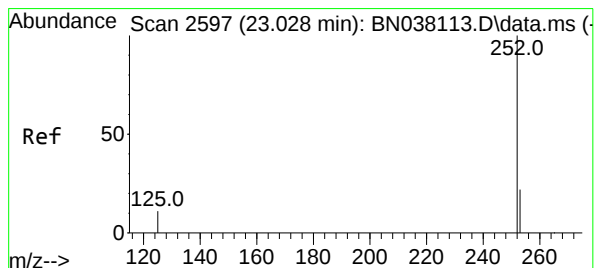
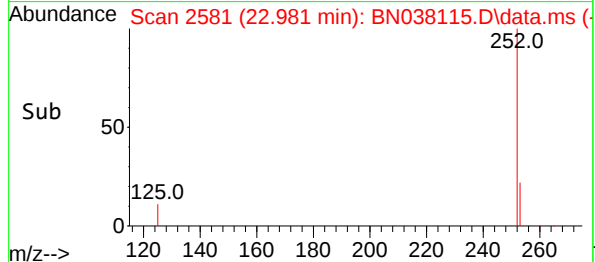
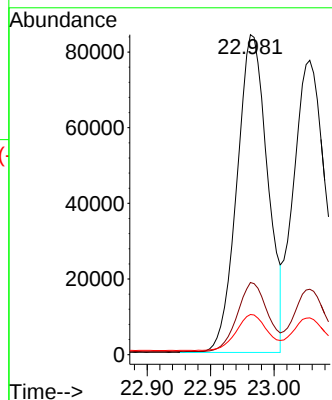
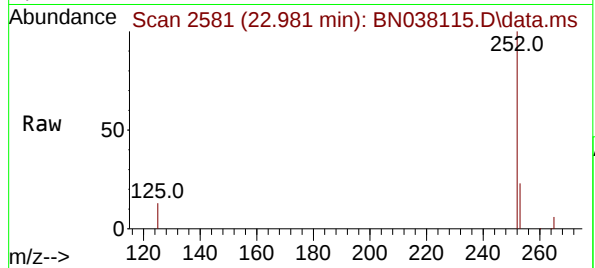




#37
Benzo(b)fluoranthene
Concen: 1.689 ng
RT: 22.981 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

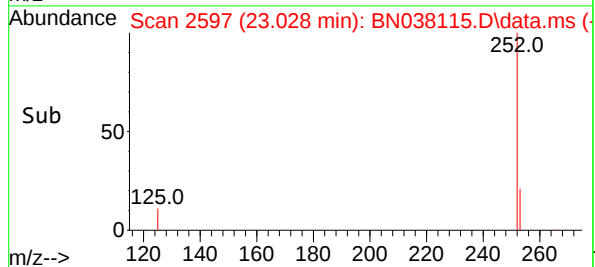
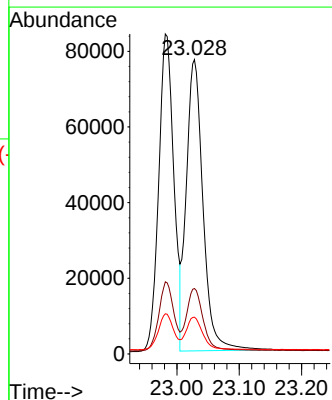
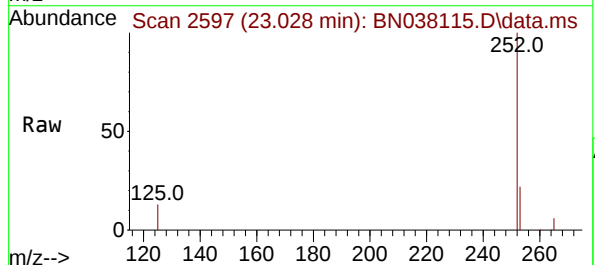
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

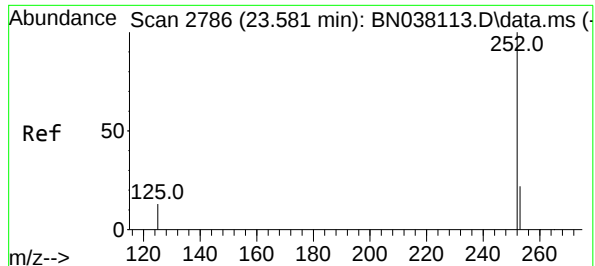
Tgt Ion:252 Resp: 141041
Ion Ratio Lower Upper
252 100
253 22.5 20.9 31.3
125 12.6 14.1 21.1#



#38
Benzo(k)fluoranthene
Concen: 1.702 ng
RT: 23.028 min Scan# 2597
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:252 Resp: 143019
Ion Ratio Lower Upper
252 100
253 22.2 21.2 31.8
125 12.5 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 1.660 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

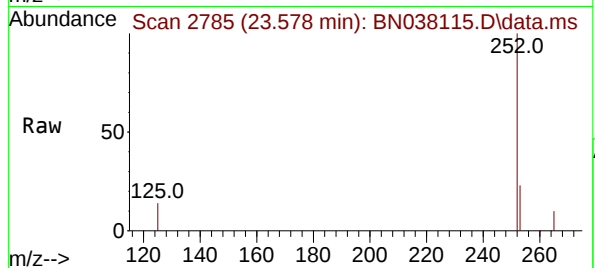
Acq: 28 Oct 2025 15:25

Instrument :

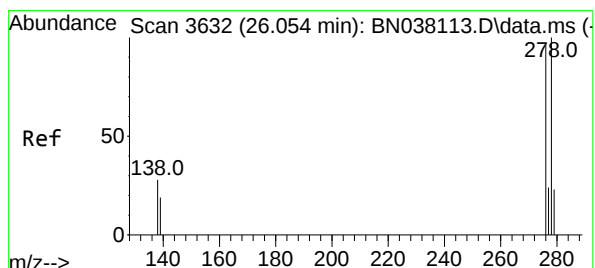
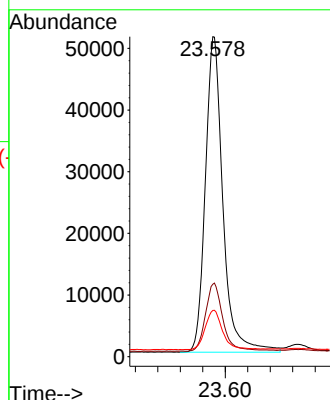
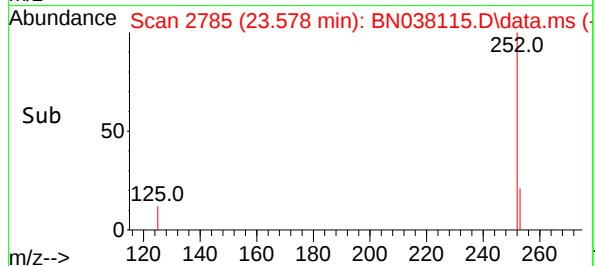
BNA_N

ClientSampleId :

SSTDICC1.6



Tgt Ion:252	Resp: 110949
Ion Ratio	Lower Upper
252	100
253	22.7 23.1 34.7#
125	14.4 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 1.710 ng

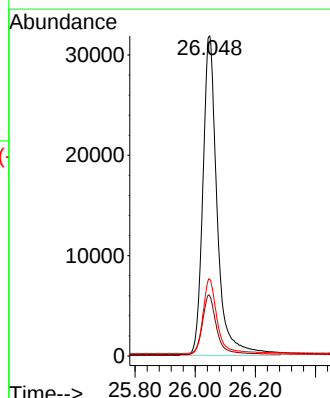
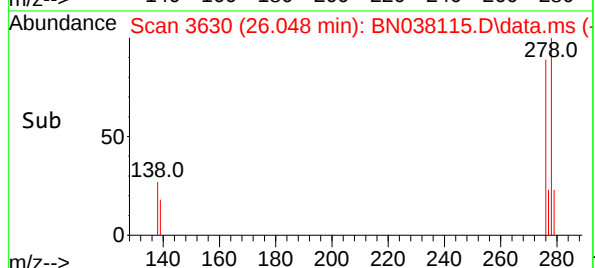
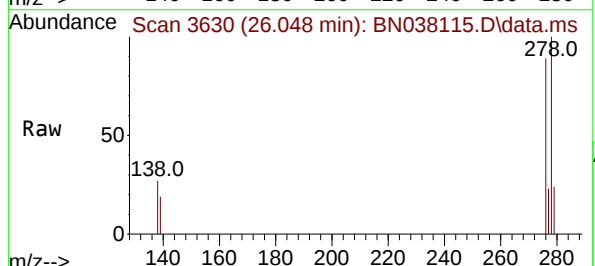
RT: 26.048 min Scan# 3630

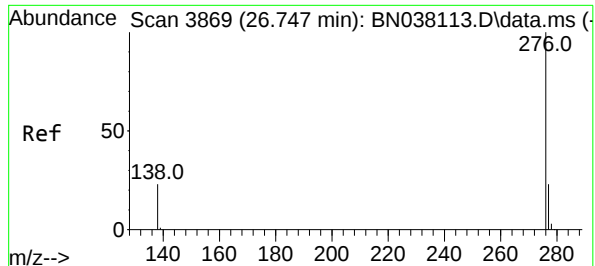
Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Tgt Ion:278	Resp: 105589
Ion Ratio	Lower Upper
278	100
139	18.7 17.6 26.4
279	23.9 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 1.660 ng

RT: 26.747 min Scan# 3869

Delta R.T. -0.003 min

Lab File: BN038115.D

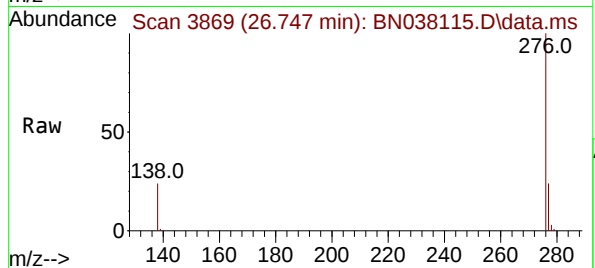
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



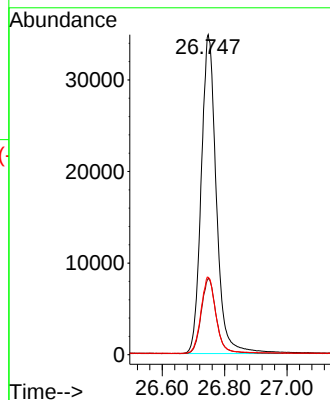
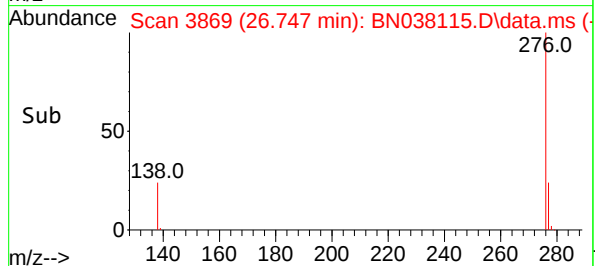
Tgt Ion:276 Resp: 117071

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 24.2 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038116.D
 Acq On : 28 Oct 2025 16:02
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Oct 28 17:31:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

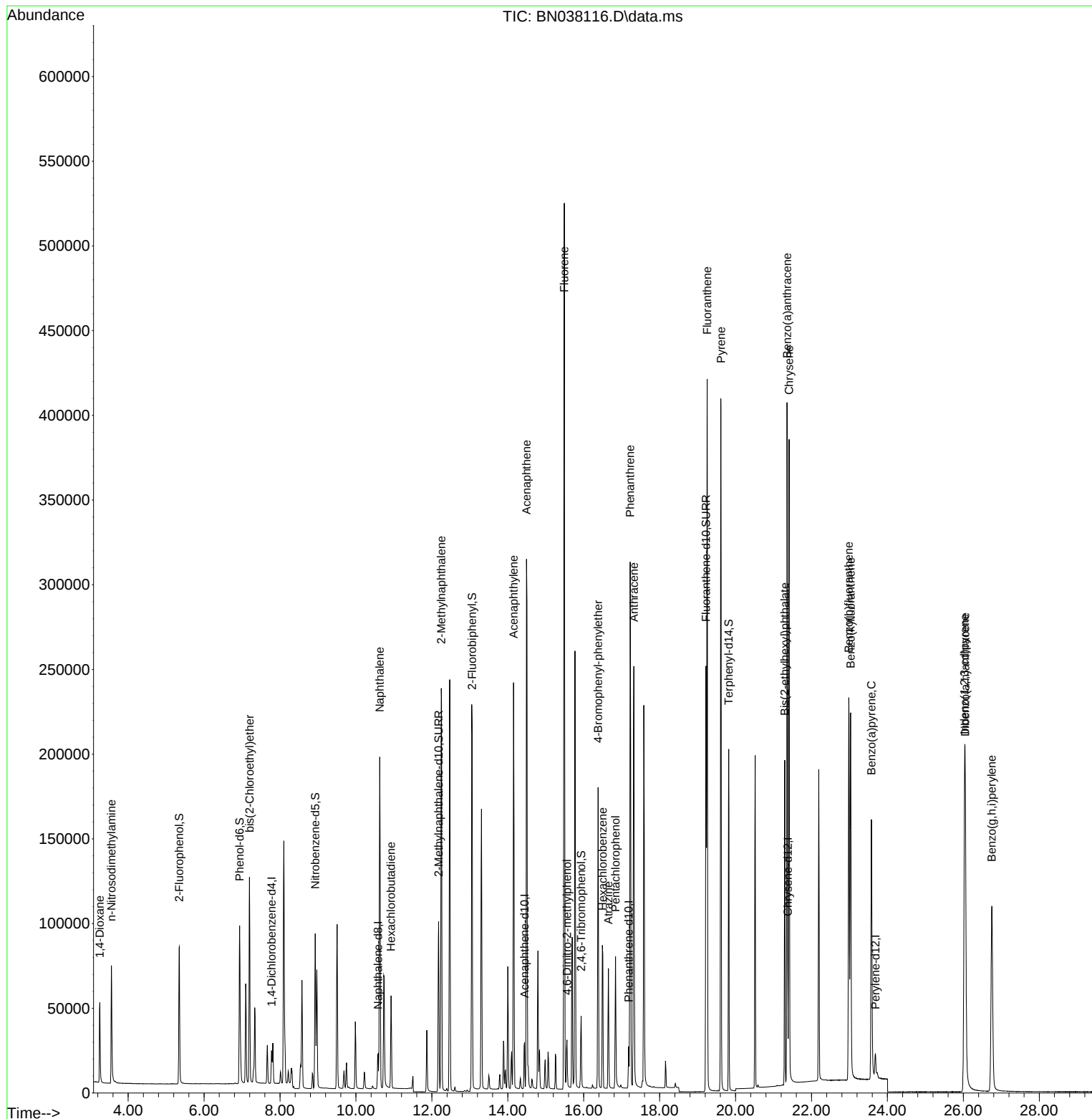
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9743	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	28864	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16547	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31206	0.400	ng	0.00
29) Chrysene-d12	21.375	240	26115	0.400	ng	0.00
35) Perylene-d12	23.683	264	19904	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	69778	3.040	ng	0.00
5) Phenol-d6	6.937	99	88646	3.171	ng	0.00
8) Nitrobenzene-d5	8.929	82	70830	3.041	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	134773	3.270	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	24045	3.527	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	200437	3.024	ng	0.01
27) Fluoranthene-d10	19.220	212	263418	3.348	ng	0.00
31) Terphenyl-d14	19.819	244	180175	3.176	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	31207	3.100	ng	99
3) n-Nitrosodimethylamine	3.557	42	41593	3.211	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	86904	3.164	ng	99
9) Naphthalene	10.626	128	255606	3.215	ng	99
10) Hexachlorobutadiene	10.925	225	42325	3.155	ng	# 99
12) 2-Methylnaphthalene	12.248	142	172992	3.263	ng	98
16) Acenaphthylene	14.152	152	253121	3.378	ng	99
17) Acenaphthene	14.495	154	173433	3.308	ng	97
18) Fluorene	15.489	166	230067	3.348	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	18221	3.363	ng	# 47
21) 4-Bromophenyl-phenylether	16.379	248	67616	3.305	ng	99
22) Hexachlorobenzene	16.503	284	74101	3.185	ng	99
23) Atrazine	16.652	200	52181	3.482	ng	97
24) Pentachlorophenol	16.838	266	36424	3.634	ng	99
25) Phenanthrene	17.223	178	322719	3.257	ng	100
26) Anthracene	17.322	178	295333	3.408	ng	99
28) Fluoranthene	19.253	202	372238	3.363	ng	99
30) Pyrene	19.615	202	368946	3.130	ng	100
32) Benzo(a)anthracene	21.358	228	308037	3.306	ng	99
33) Chrysene	21.411	228	317065	3.136	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	157480	3.209	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	276870	3.386	ng	98
37) Benzo(b)fluoranthene	22.984	252	292856	3.441	ng	# 90
38) Benzo(k)fluoranthene	23.031	252	292143	3.411	ng	# 89
39) Benzo(a)pyrene	23.578	252	231067	3.392	ng	# 84
40) Dibenzo(a,h)anthracene	26.051	278	217022	3.449	ng	92
41) Benzo(g,h,i)perylene	26.750	276	235264	3.274	ng	98

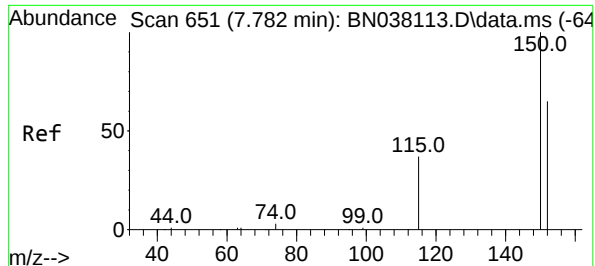
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038116.D
Acq On : 28 Oct 2025 16:02
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

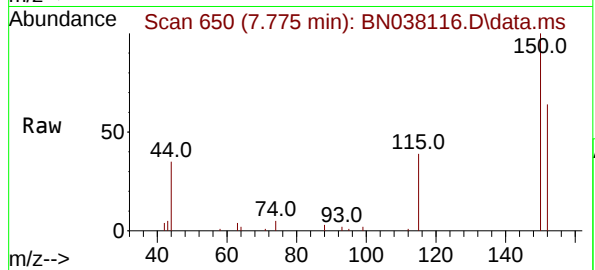
Quant Time: Oct 28 17:31:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



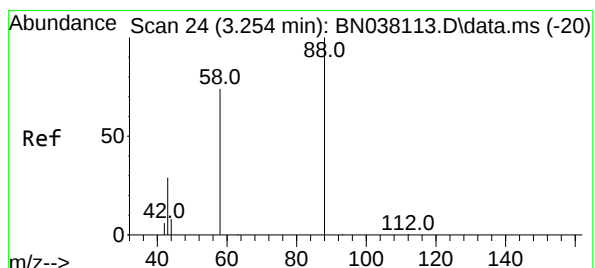
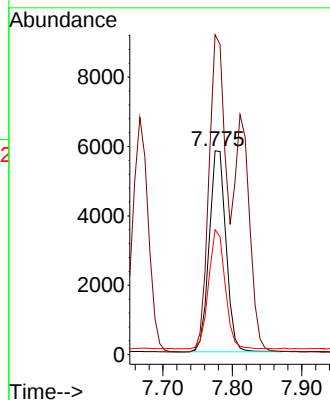
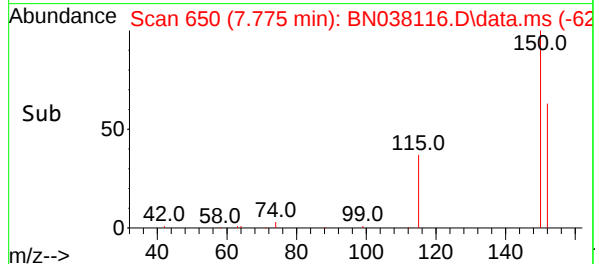


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

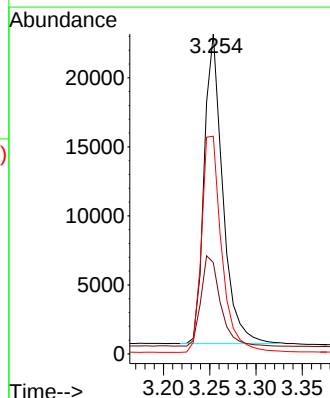
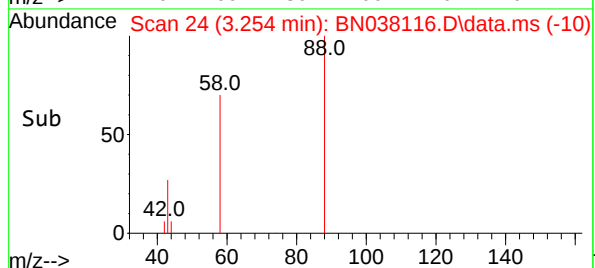
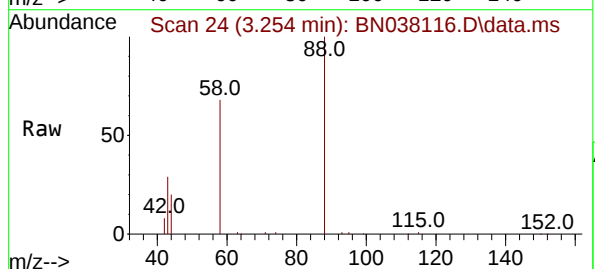


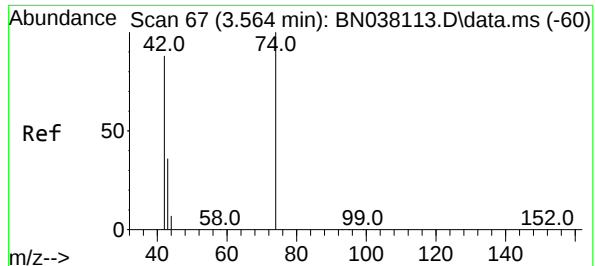
Tgt Ion:152 Resp: 9743
Ion Ratio Lower Upper
152 100
150 157.0 122.3 183.5
115 61.3 47.4 71.0



#2
1,4-Dioxane
Concen: 3.100 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 88 Resp: 31207
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 76.1 60.4 90.6

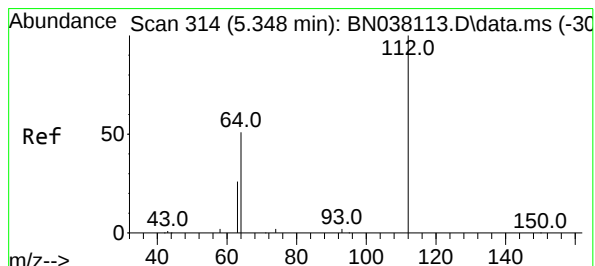
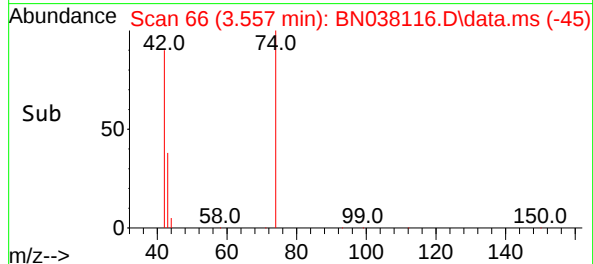
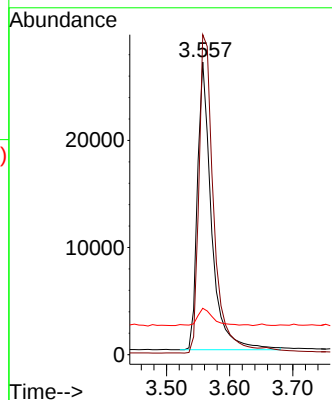
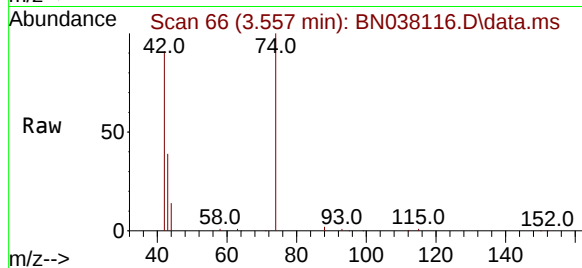




#3
n-Nitrosodimethylamine
Concen: 3.211 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

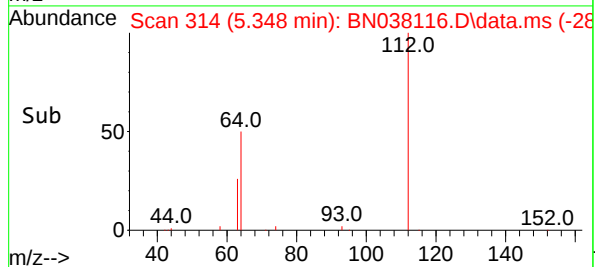
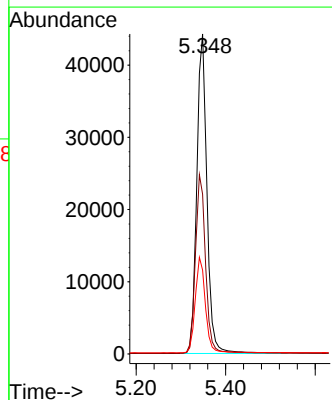
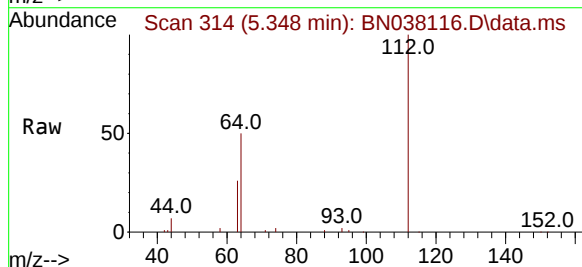
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

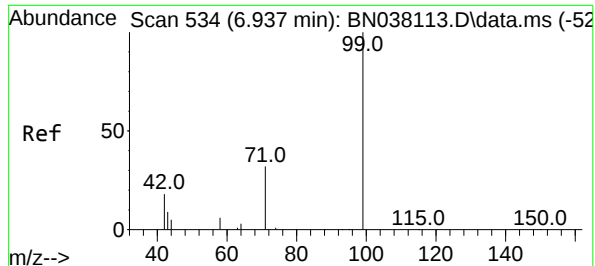
Tgt Ion: 42 Resp: 41593
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.8 5.3 7.9



#4
2-Fluorophenol
Concen: 3.040 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 112 Resp: 69778
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 30.0 23.2 34.8

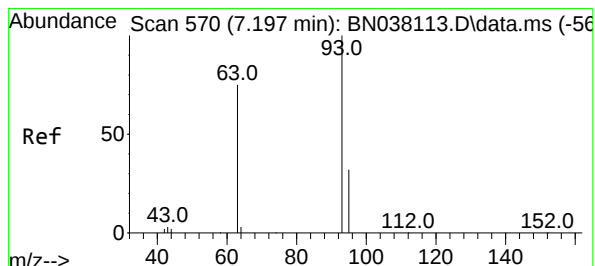
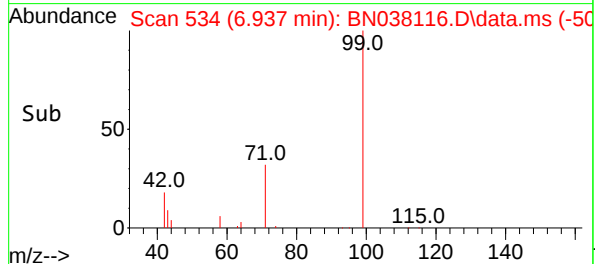
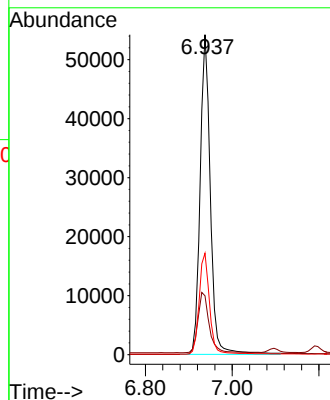
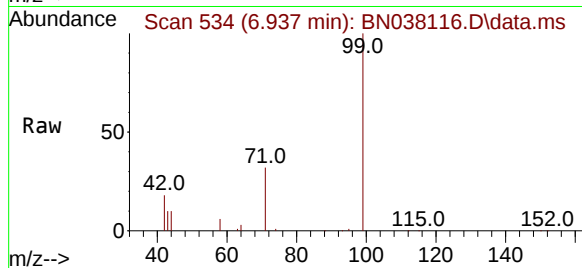




#5
Phenol-d6
Concen: 3.171 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

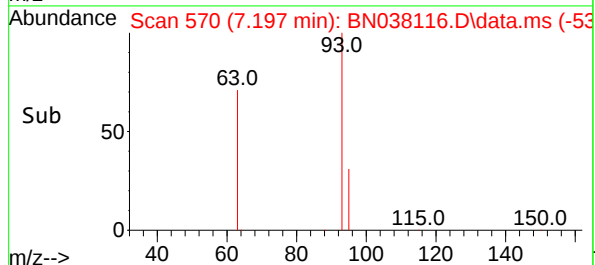
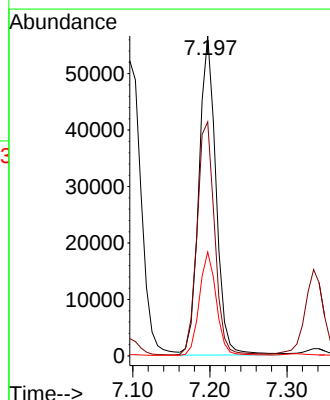
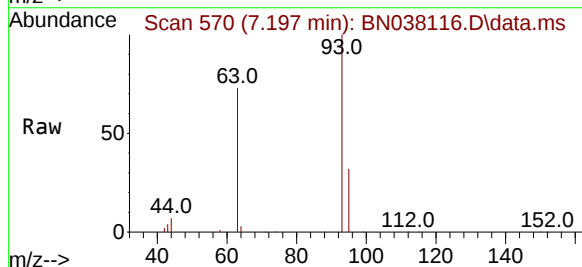
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

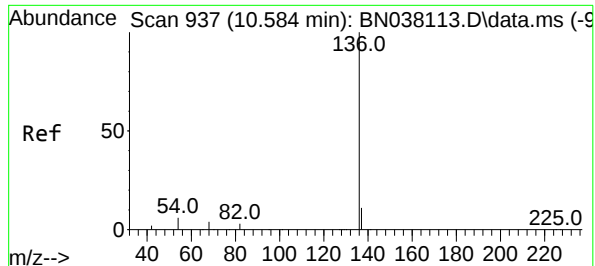
Tgt Ion: 99 Resp: 88646
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 32.4 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 3.164 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 93 Resp: 86904
Ion Ratio Lower Upper
93 100
63 75.1 59.3 88.9
95 32.0 25.2 37.8

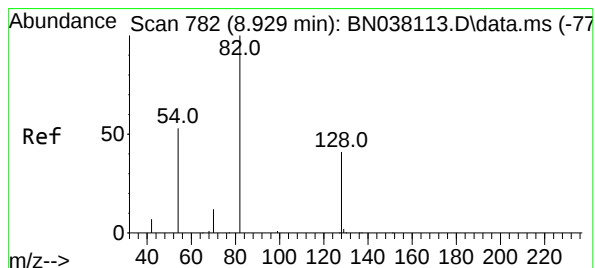
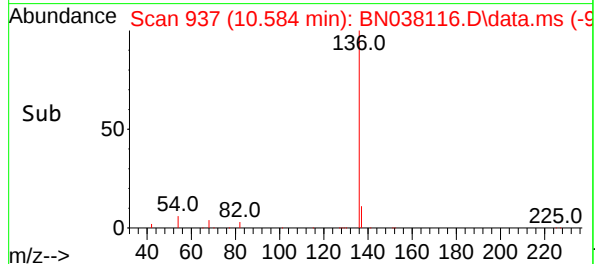
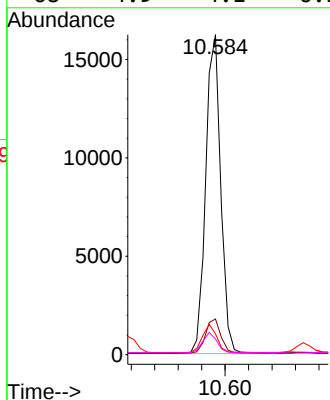
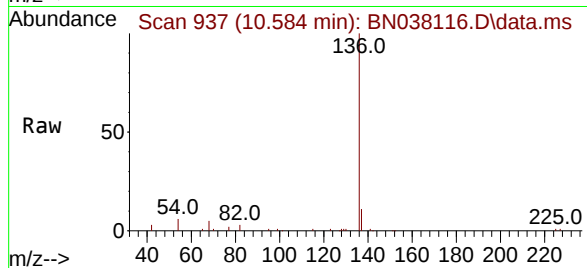




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

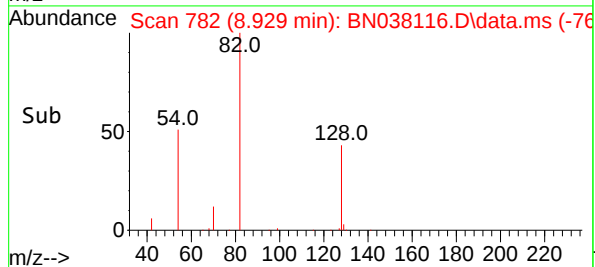
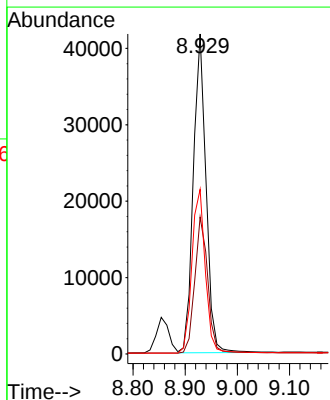
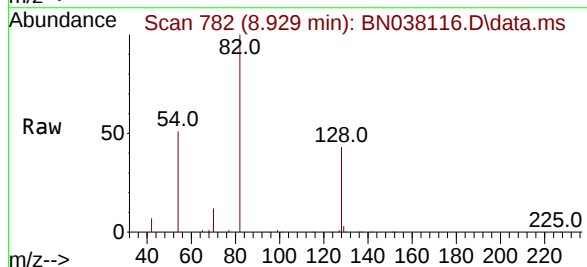
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

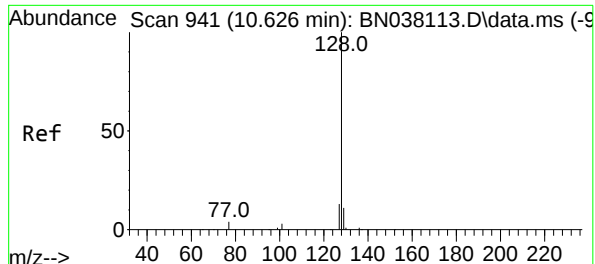
Tgt Ion:	136	Resp:	28864
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.5	5.2	7.8
68	4.9	4.1	6.1



#8
Nitrobenzene-d5
Concen: 3.041 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:	82	Resp:	70830
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	51.5	43.5	65.3

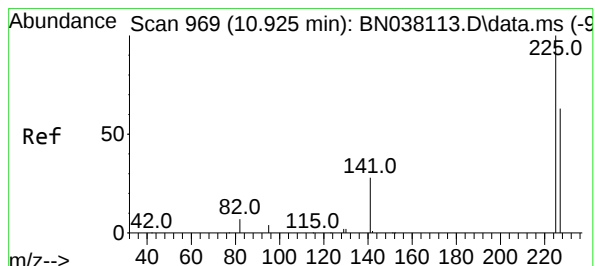
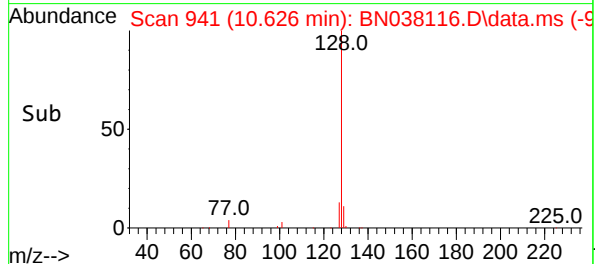
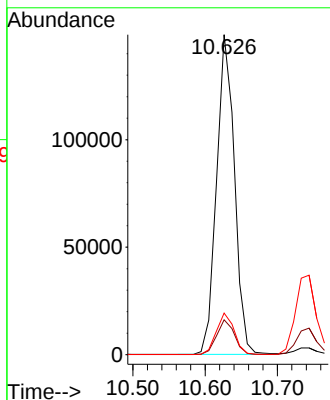
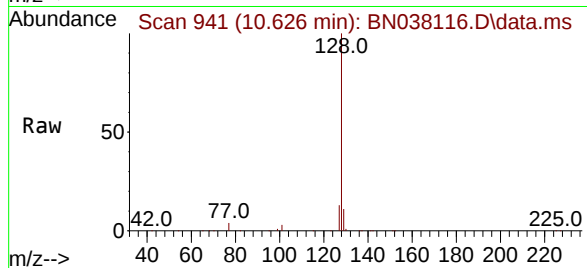




#9
Naphthalene
Concen: 3.215 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

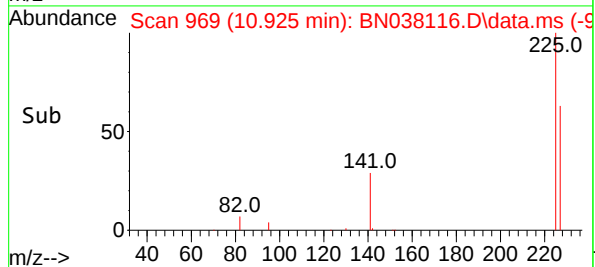
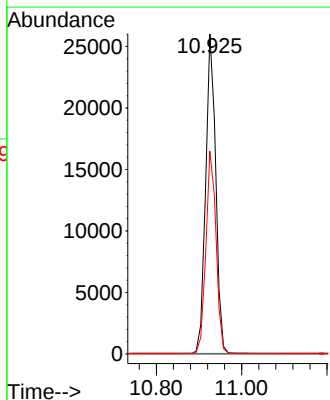
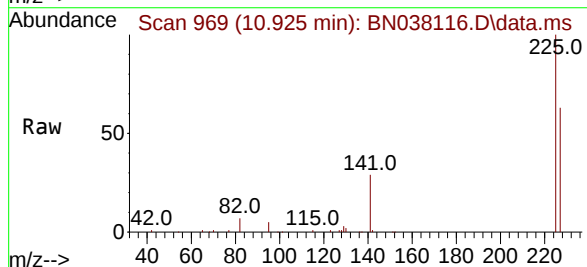
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

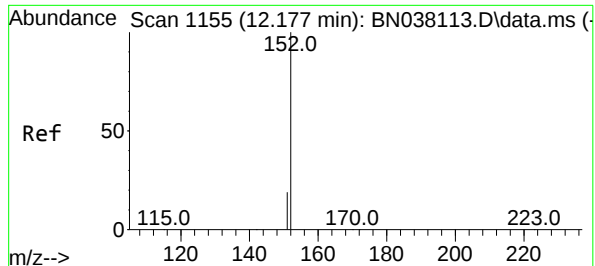
Tgt Ion:128 Resp: 255606
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.5 15.7



#10
Hexachlorobutadiene
Concen: 3.155 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:225 Resp: 42325
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 50.3 75.5

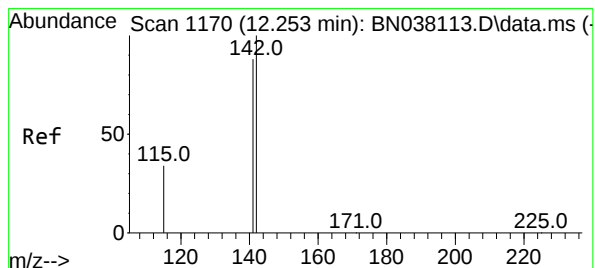
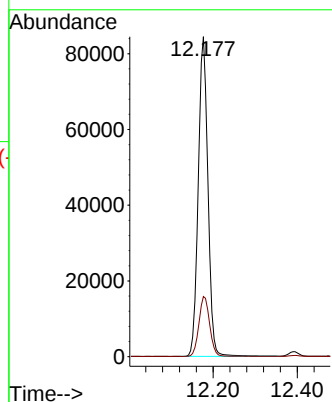
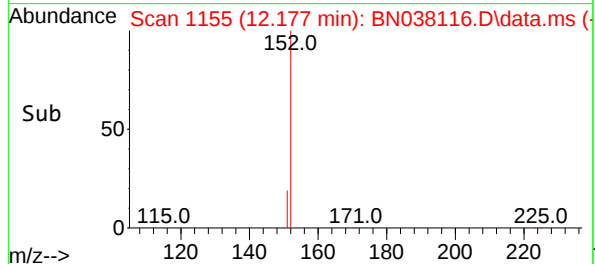
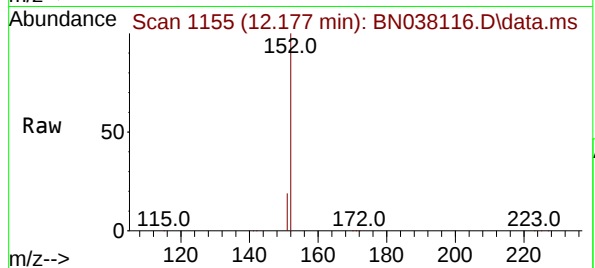




#11
2-Methylnaphthalene-d10
Concen: 3.270 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

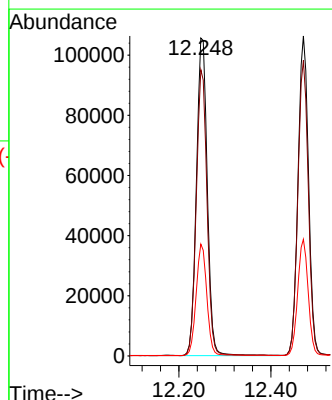
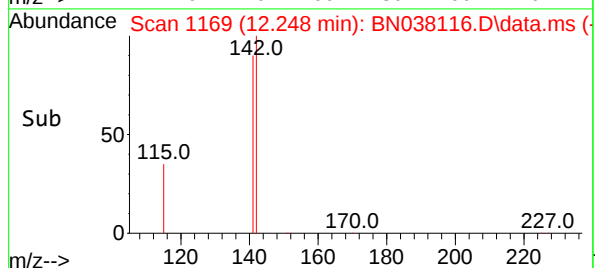
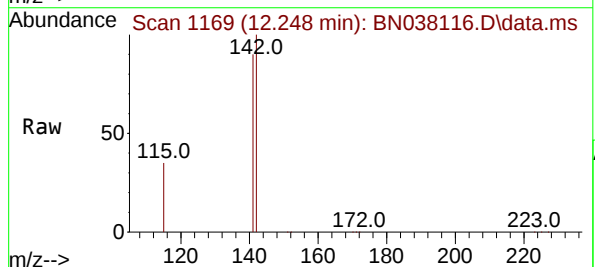
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

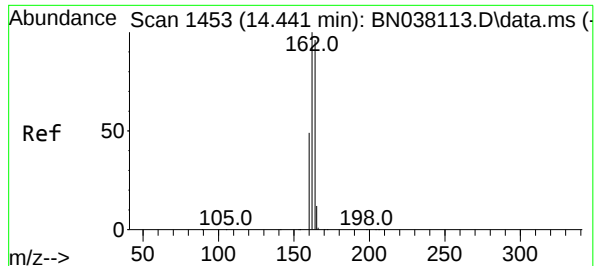
Tgt Ion:152 Resp: 134773
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 3.263 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:142 Resp: 172992
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 35.2 27.8 41.6

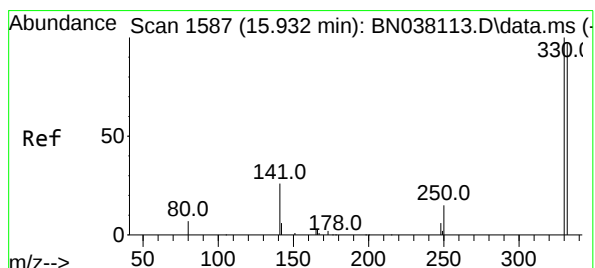
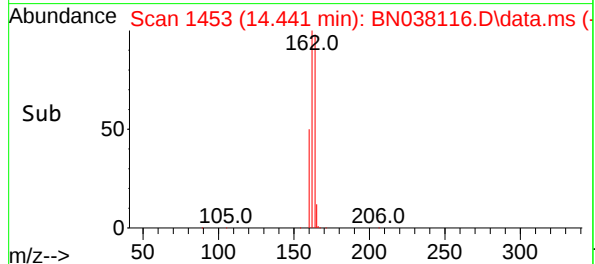
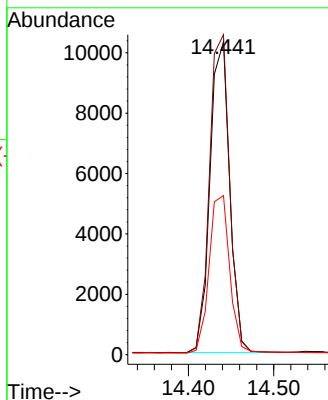
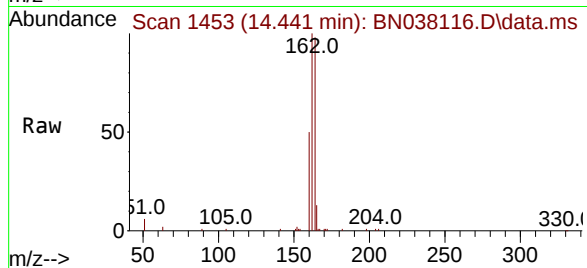




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

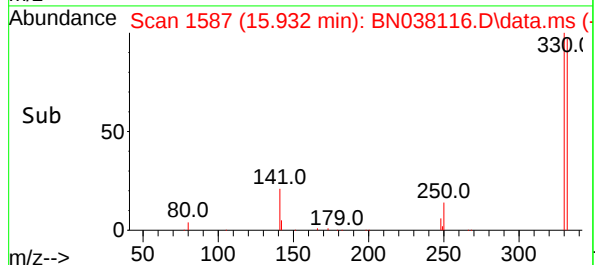
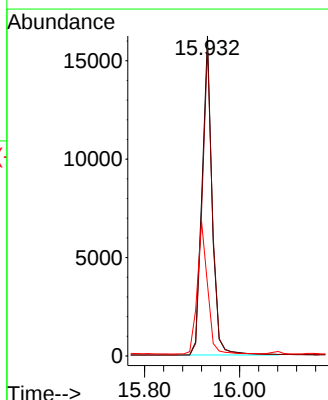
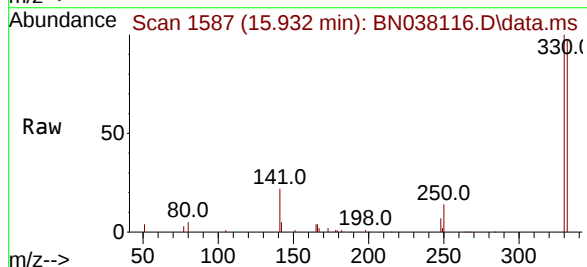
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

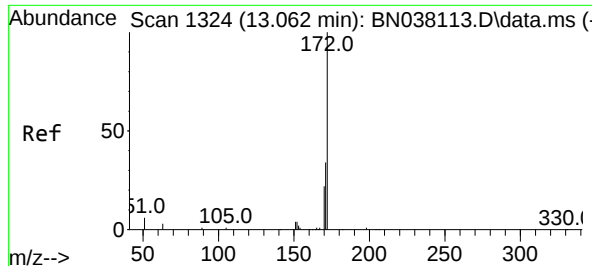
Tgt Ion:164 Resp: 16547
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 50.8 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 3.527 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:330 Resp: 24045
Ion Ratio Lower Upper
330 100
332 97.1 76.6 114.8
141 42.2 34.1 51.1

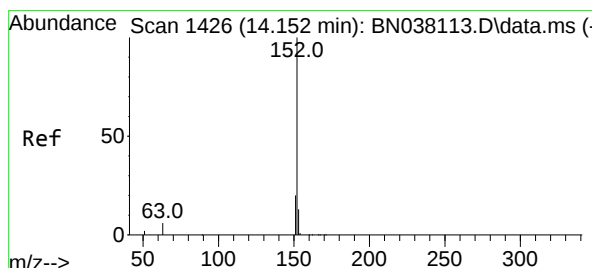
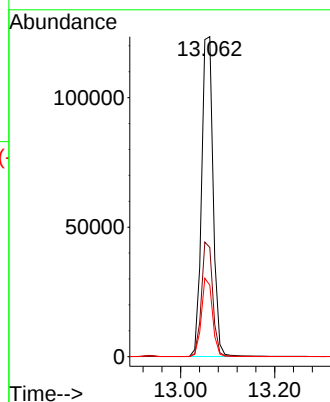
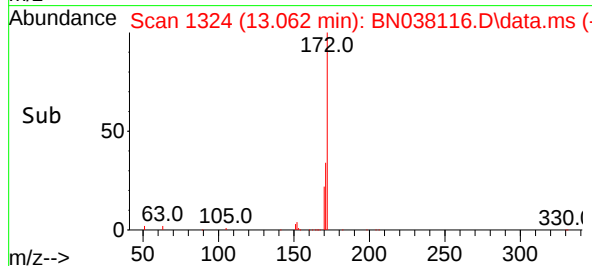
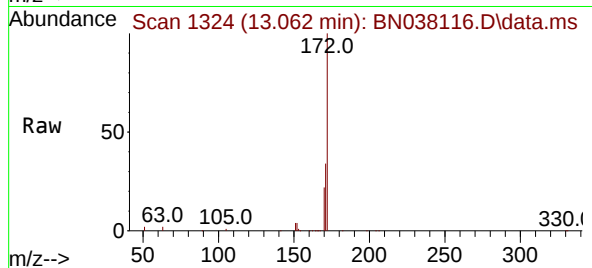




#15
2-Fluorobiphenyl
Concen: 3.024 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

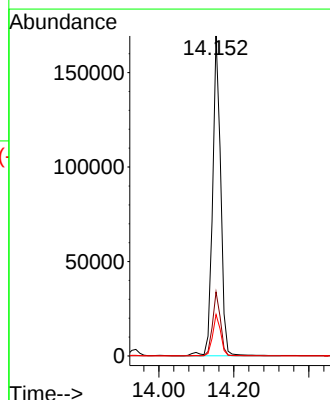
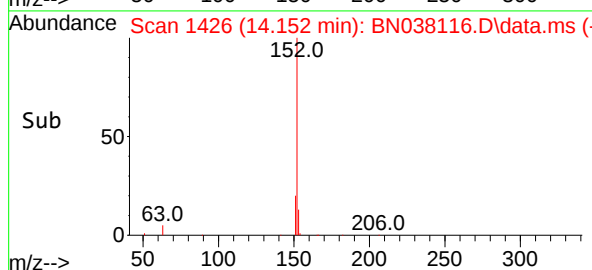
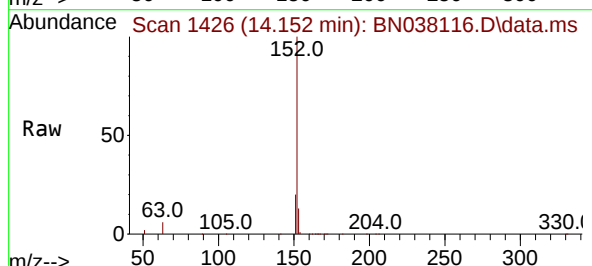
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

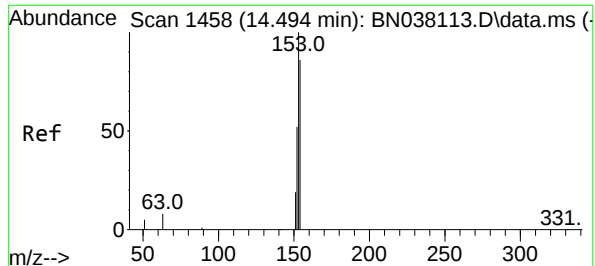
Tgt Ion:172 Resp: 200437
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.3 18.1 27.1



#16
Acenaphthylene
Concen: 3.378 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:152 Resp: 253121
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2

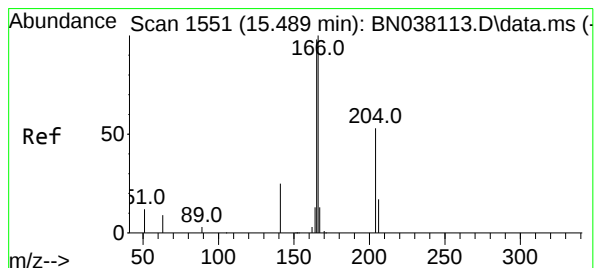
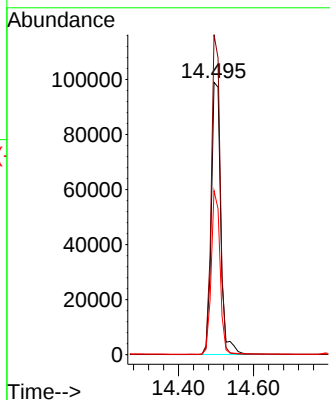
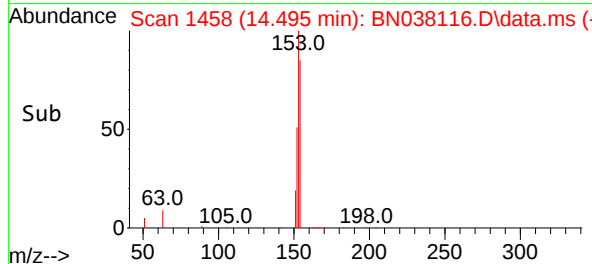
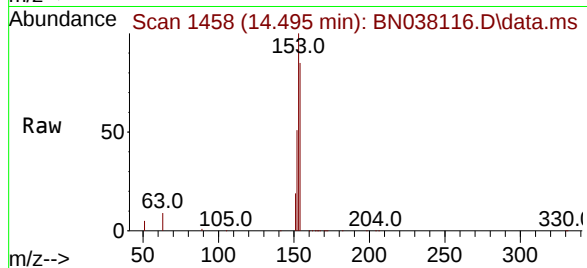




#17
Acenaphthene
Concen: 3.308 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

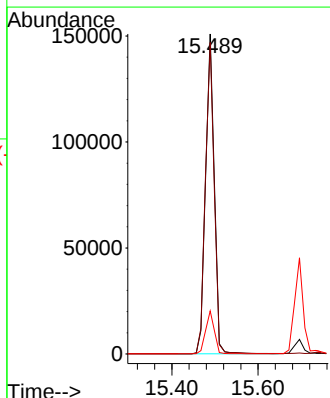
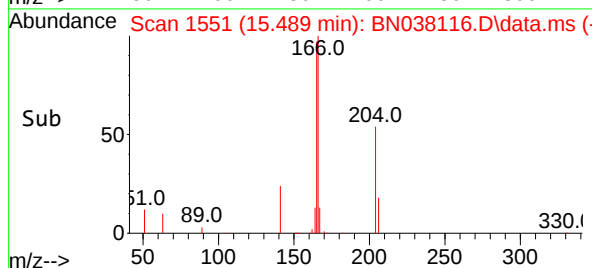
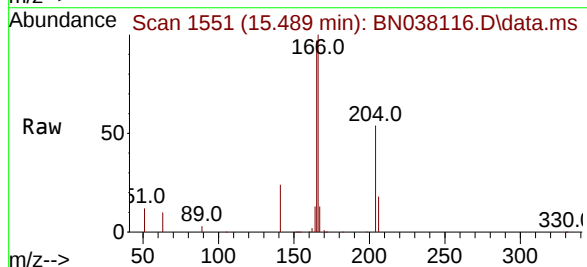
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

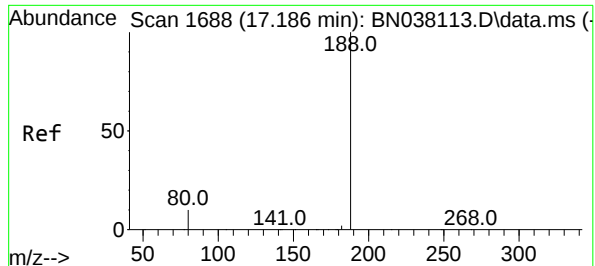
Tgt Ion:154 Resp: 173433
Ion Ratio Lower Upper
154 100
153 109.4 90.0 135.0
152 56.0 47.3 70.9



#18
Fluorene
Concen: 3.348 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:166 Resp: 230067
Ion Ratio Lower Upper
166 100
165 99.1 79.0 118.4
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

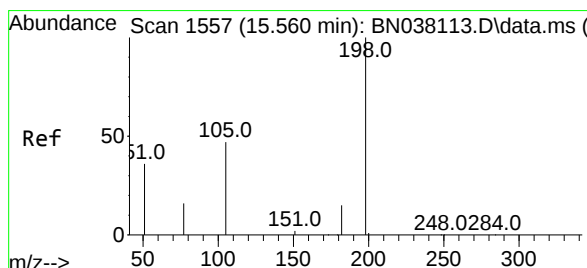
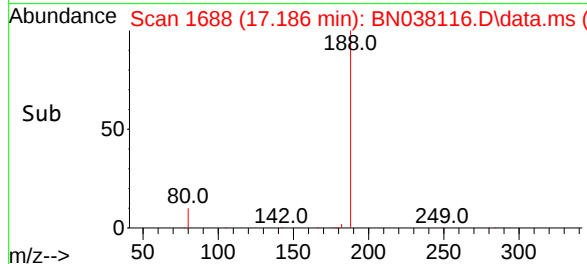
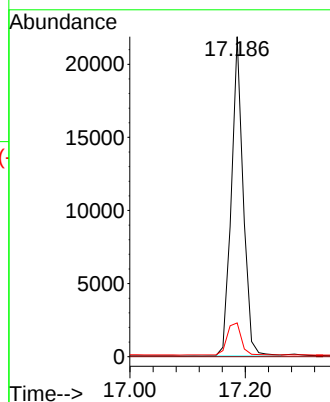
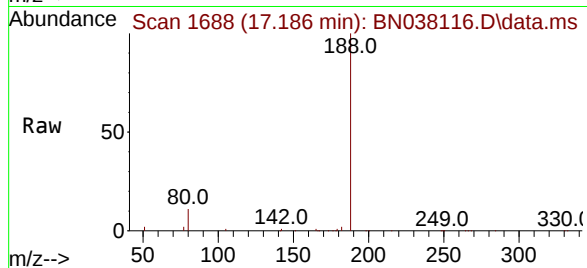
Tgt Ion:188 Resp: 31206

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 3.363 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

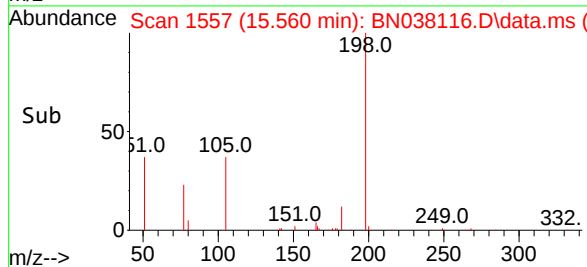
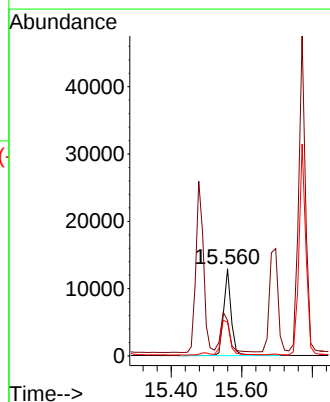
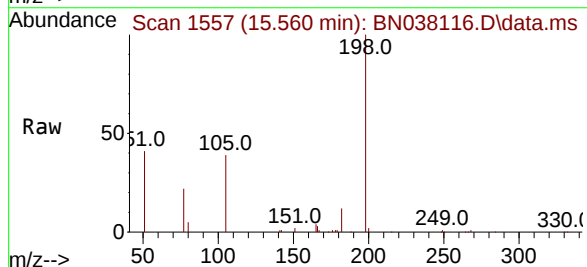
Tgt Ion:198 Resp: 18221

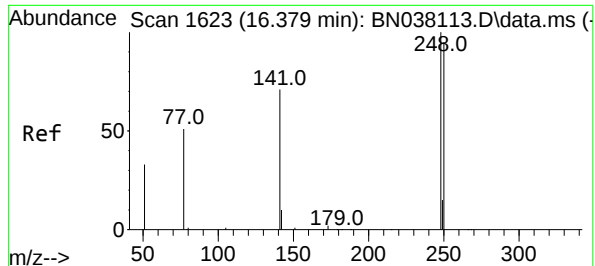
Ion Ratio Lower Upper

198 100

51 40.8 88.9 133.3#

105 38.5 49.2 73.8#

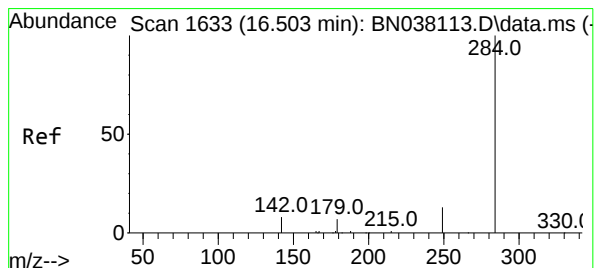
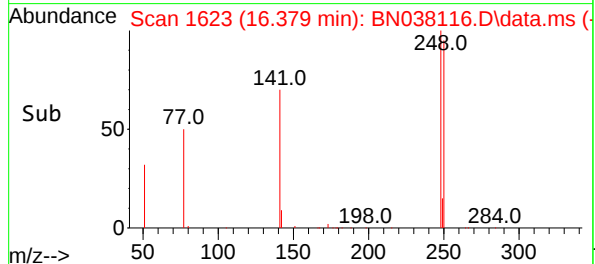
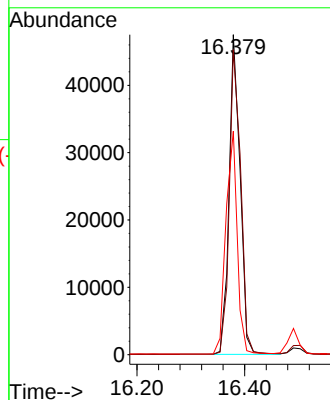
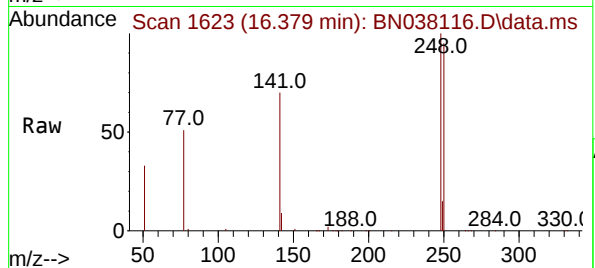




#21
4-Bromophenyl-phenylether
Concen: 3.305 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

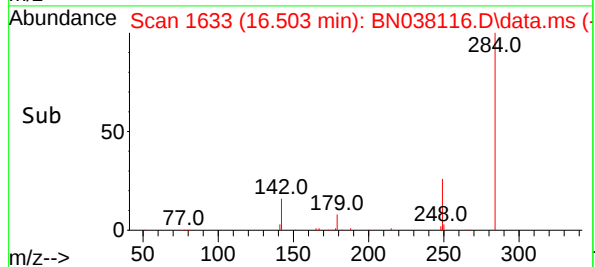
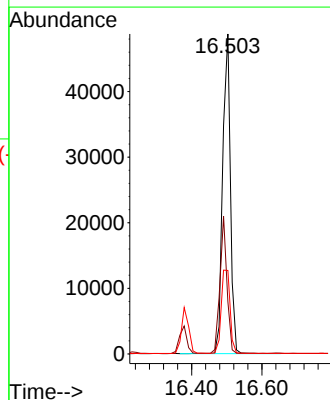
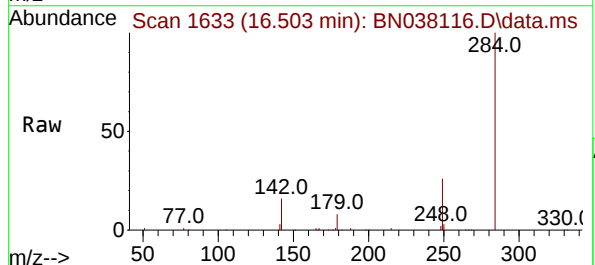
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

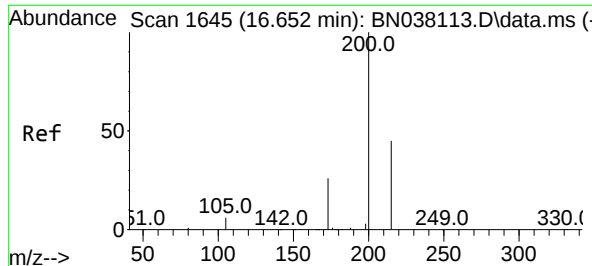
Tgt Ion:248 Resp: 67616
Ion Ratio Lower Upper
248 100
250 95.3 76.2 114.2
141 69.9 57.6 86.4



#22
Hexachlorobenzene
Concen: 3.185 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:284 Resp: 74101
Ion Ratio Lower Upper
284 100
142 38.7 30.5 45.7
249 29.9 23.5 35.3

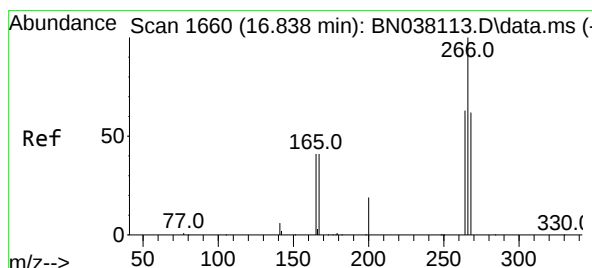
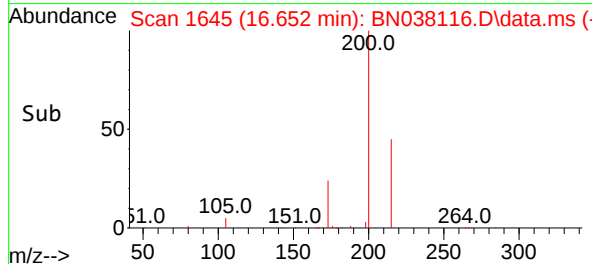
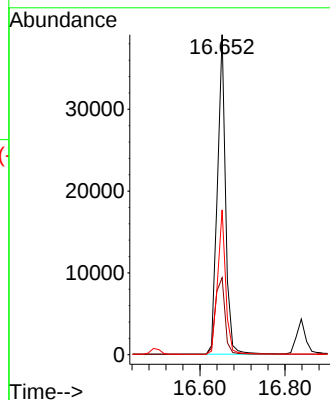
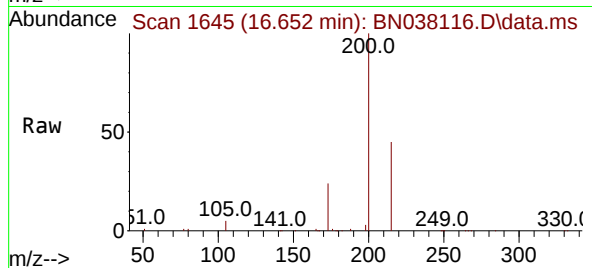




#23
Atrazine
Concen: 3.482 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

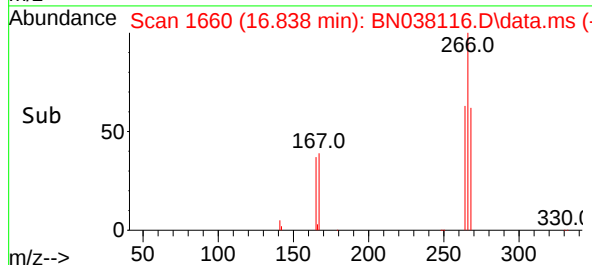
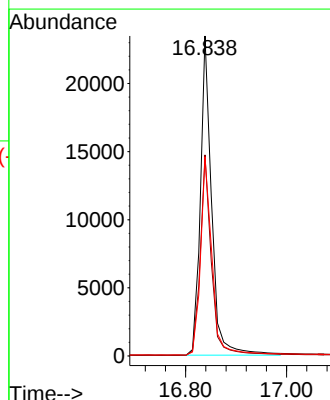
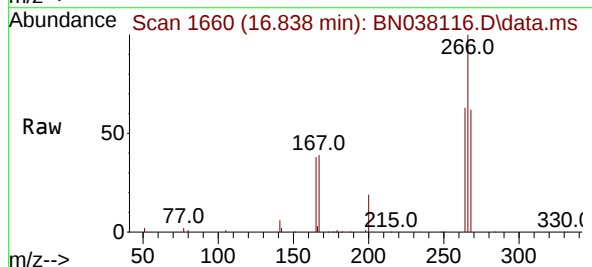
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

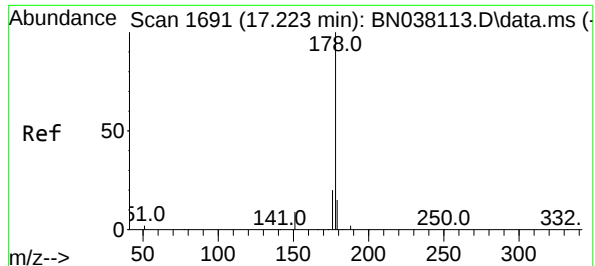
Tgt Ion:200 Resp: 52181
Ion Ratio Lower Upper
200 100
173 24.0 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 3.634 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:266 Resp: 36424
Ion Ratio Lower Upper
266 100
264 62.5 49.3 73.9
268 63.4 50.6 75.8

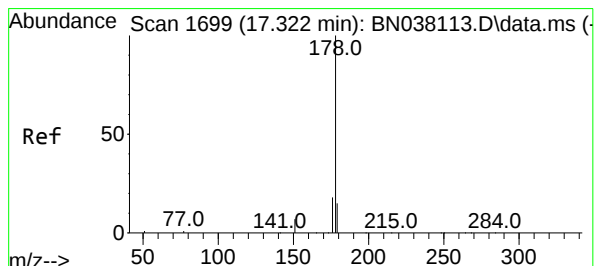
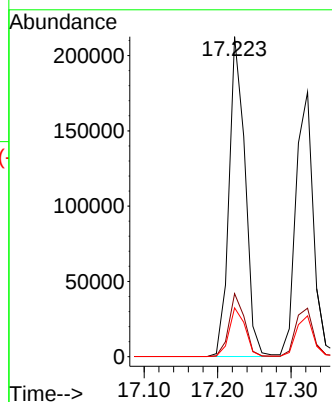
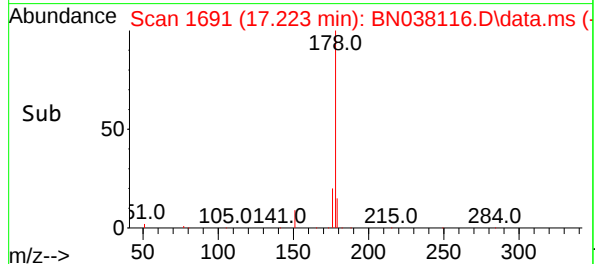
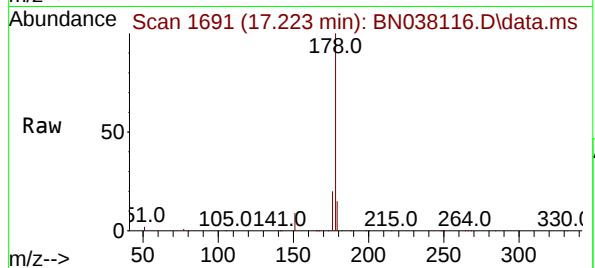




#25
Phenanthrene
Concen: 3.257 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

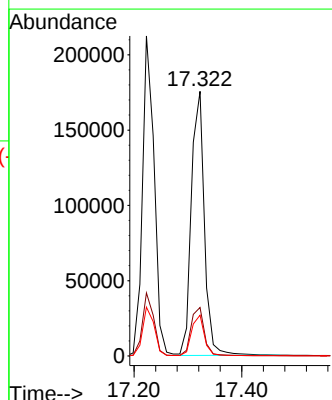
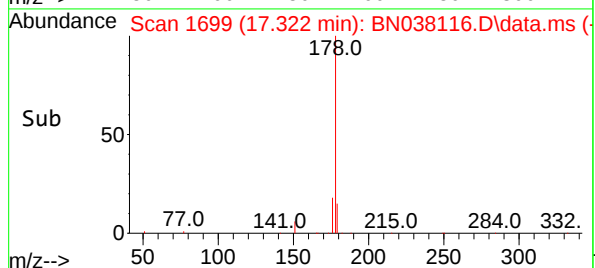
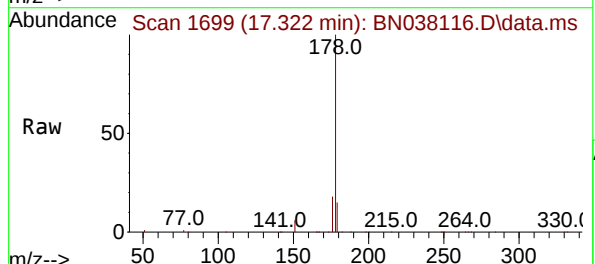
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

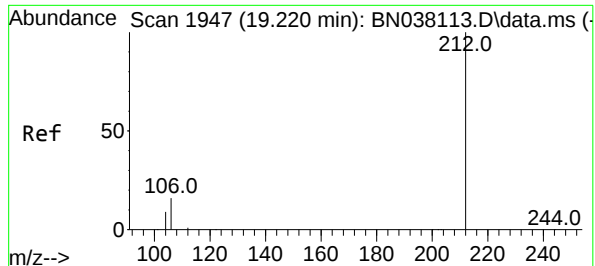
Tgt Ion:178 Resp: 322719
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 3.408 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:178 Resp: 295333
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 3.348 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

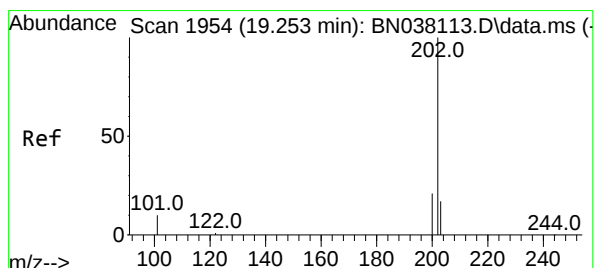
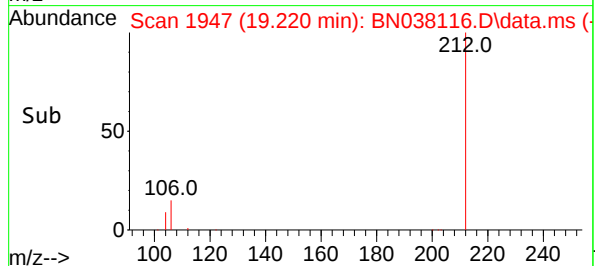
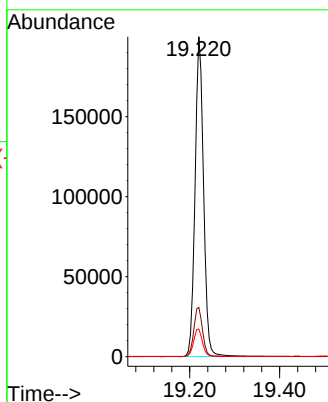
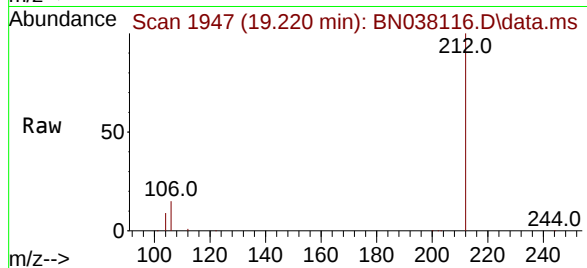
Tgt Ion:212 Resp: 263418

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 3.363 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

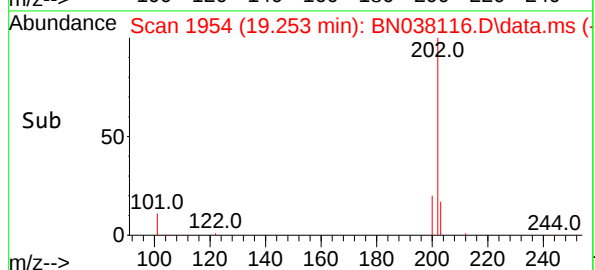
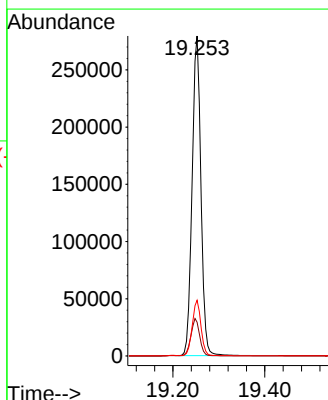
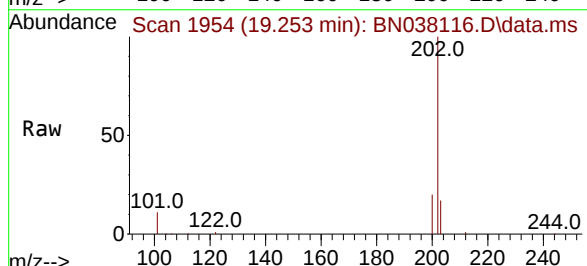
Tgt Ion:202 Resp: 372238

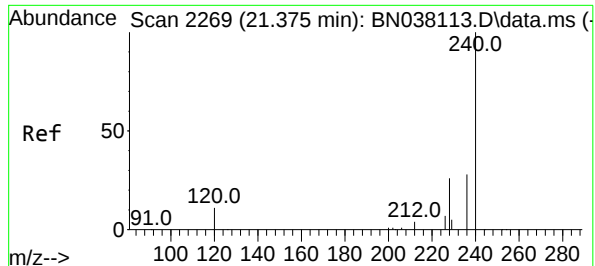
Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

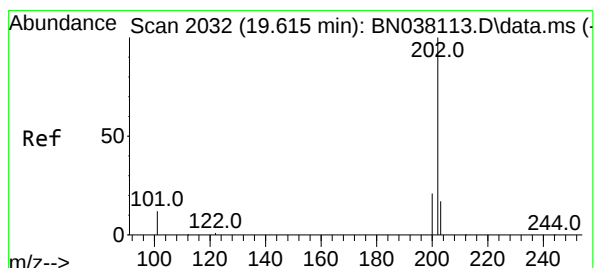
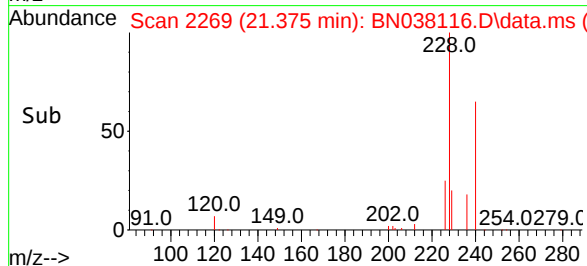
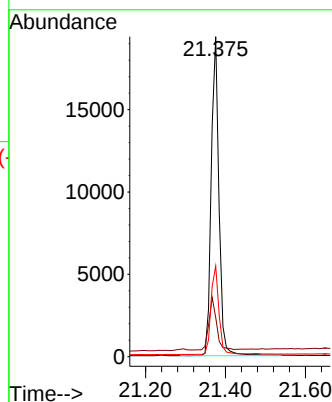
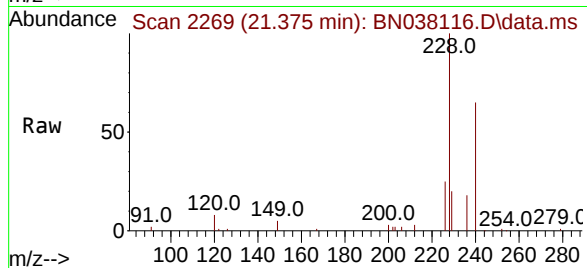
Tgt Ion:240 Resp: 26115

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 28.4 23.1 34.7



#30

Pyrene

Concen: 3.130 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

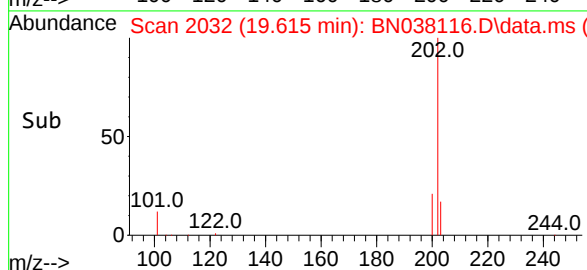
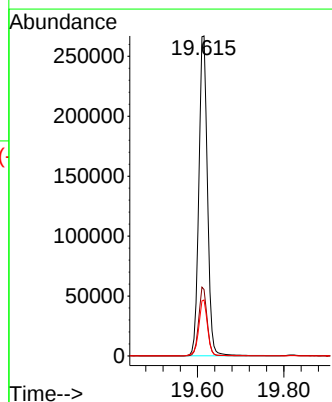
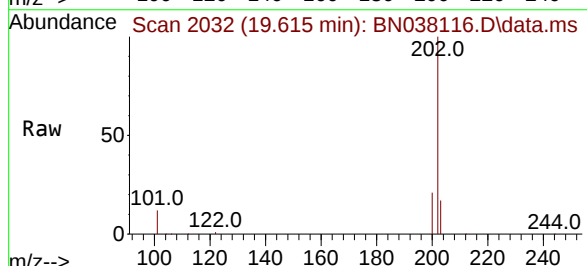
Tgt Ion:202 Resp: 368946

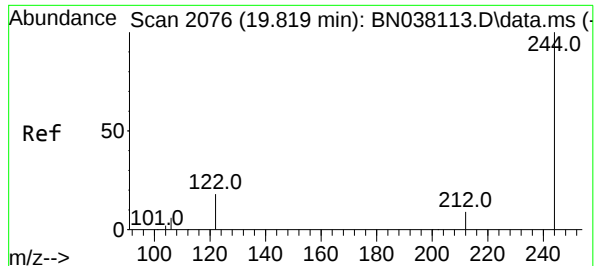
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.7 14.2 21.2

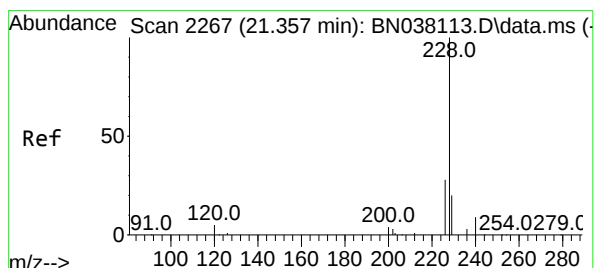
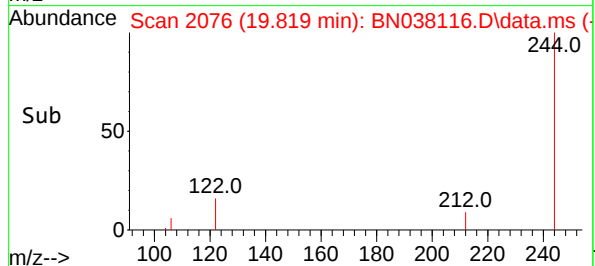
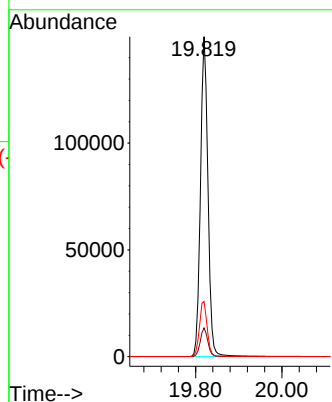
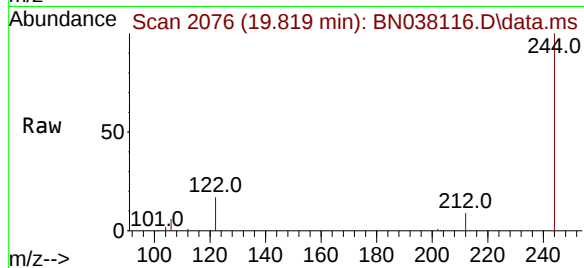




#31
Terphenyl-d14
Concen: 3.176 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

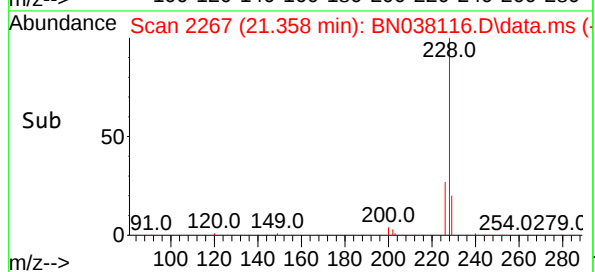
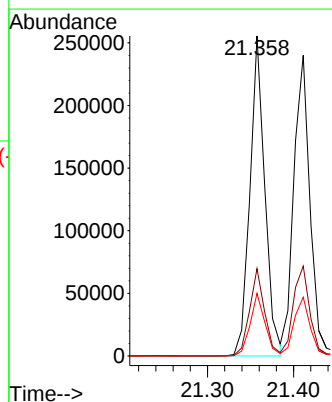
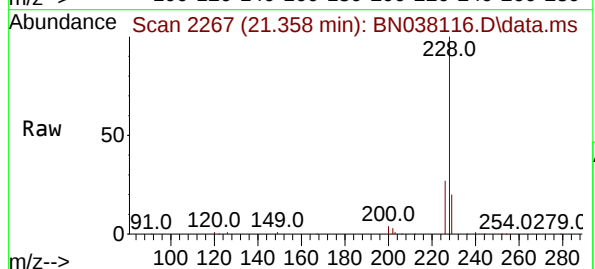
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

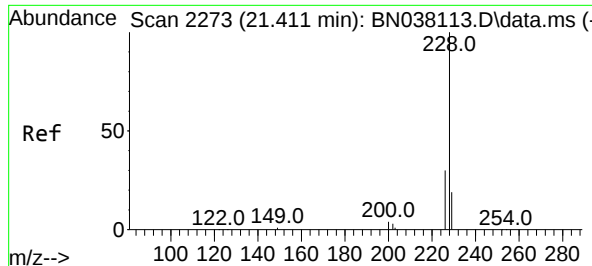
Tgt Ion:244 Resp: 180175
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 17.3 15.2 22.8



#32
Benzo(a)anthracene
Concen: 3.306 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:228 Resp: 308037
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 19.5 15.8 23.8





#33

Chrysene

Concen: 3.136 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

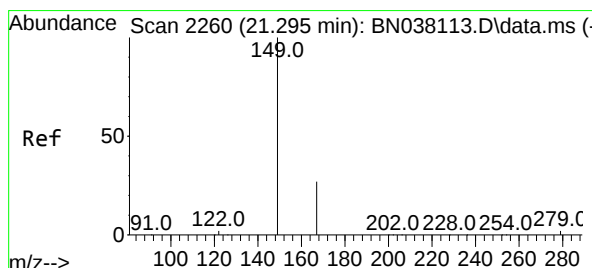
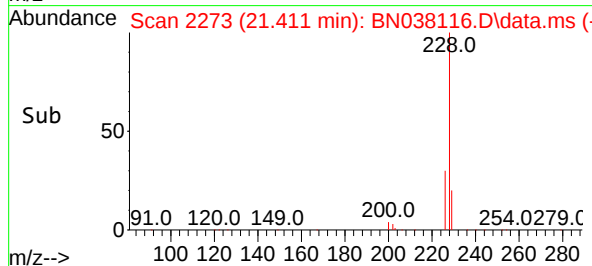
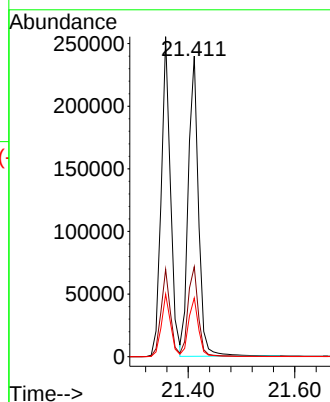
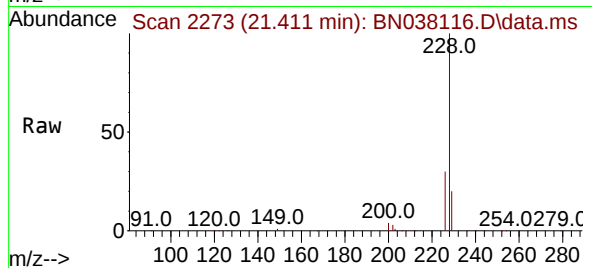
Tgt Ion:228 Resp: 317065

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 19.5 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.209 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

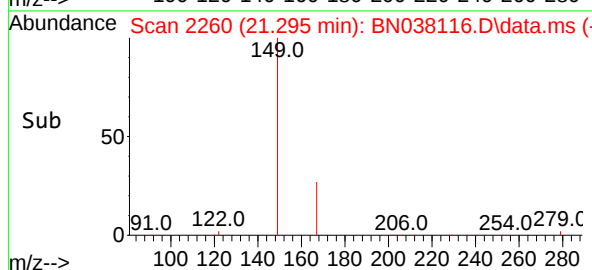
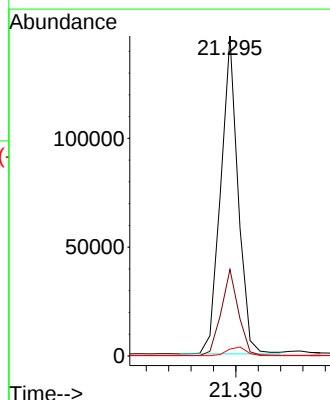
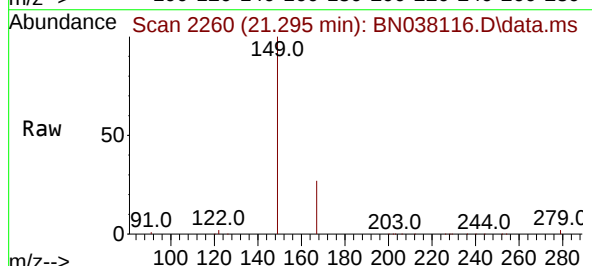
Tgt Ion:149 Resp: 157480

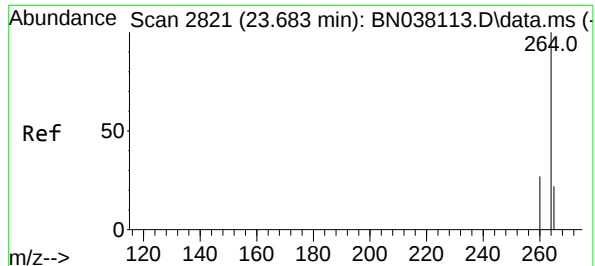
Ion Ratio Lower Upper

149 100

167 26.9 21.1 31.7

279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

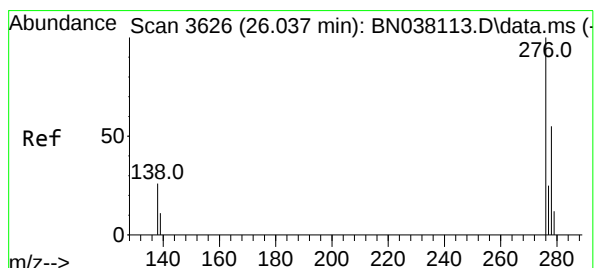
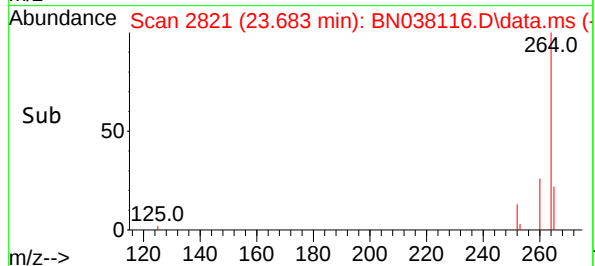
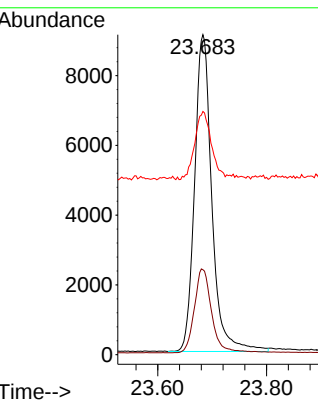
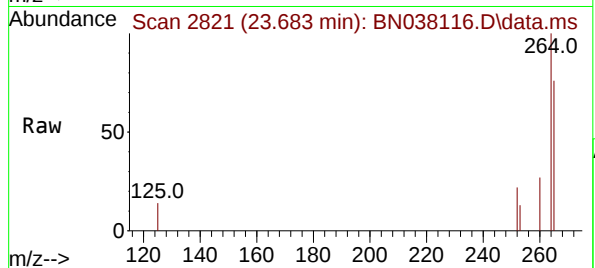
Tgt Ion:264 Resp: 19904

Ion Ratio Lower Upper

264 100

260 26.5 21.8 32.8

265 76.0 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.386 ng

RT: 26.031 min Scan# 3624

Delta R.T. -0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

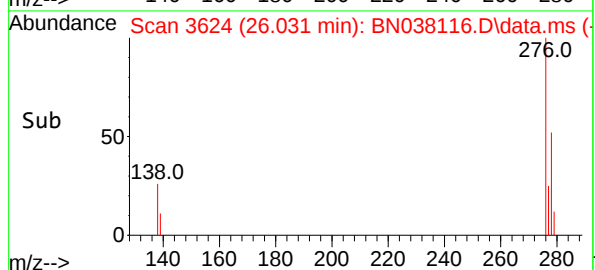
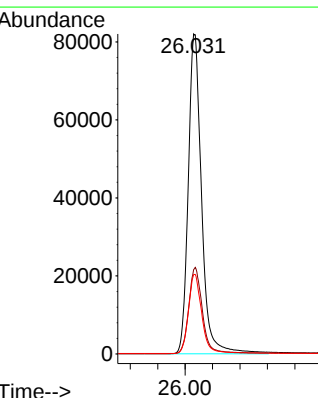
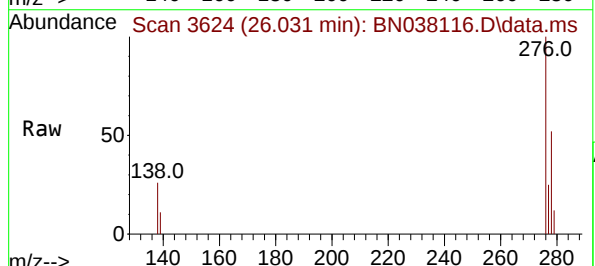
Tgt Ion:276 Resp: 276870

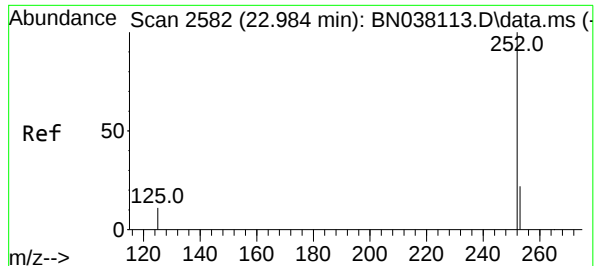
Ion Ratio Lower Upper

276 100

138 27.4 21.4 32.0

277 24.8 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 3.441 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

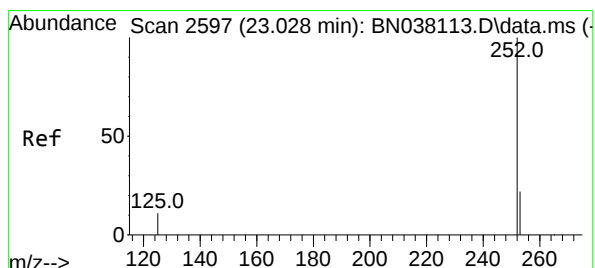
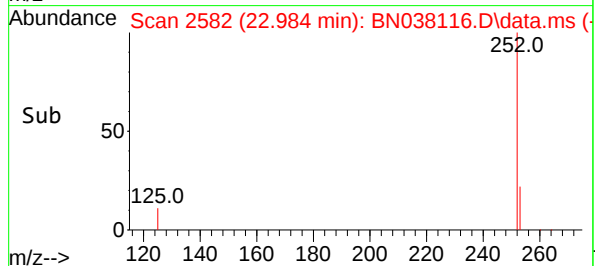
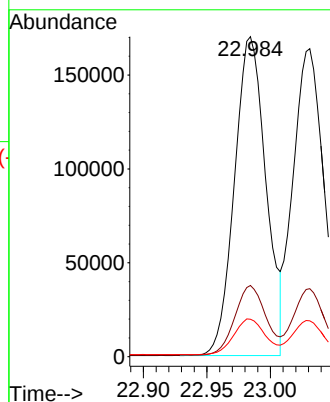
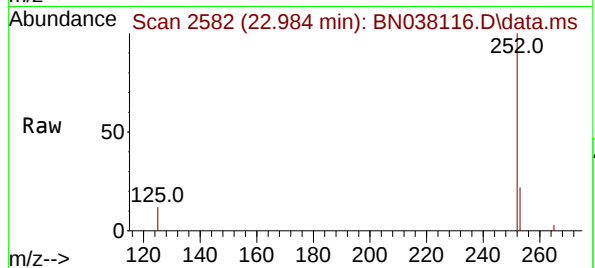
Tgt Ion:252 Resp: 292856

Ion Ratio Lower Upper

252 100

253 22.3 20.9 31.3

125 11.7 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 3.411 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

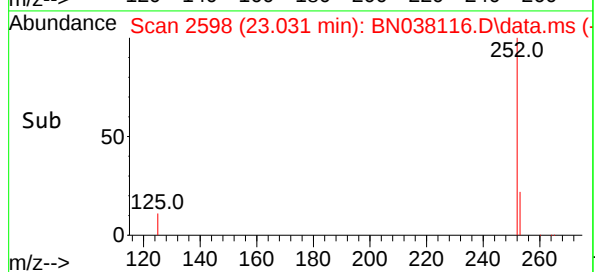
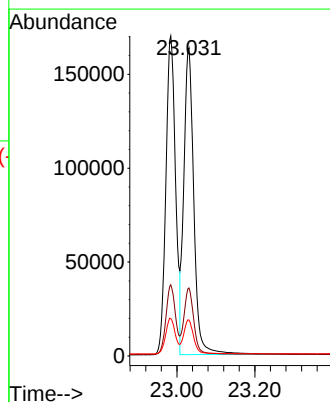
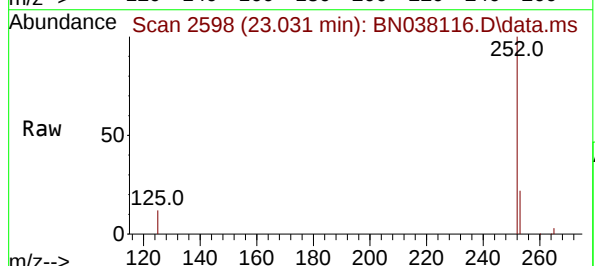
Tgt Ion:252 Resp: 292143

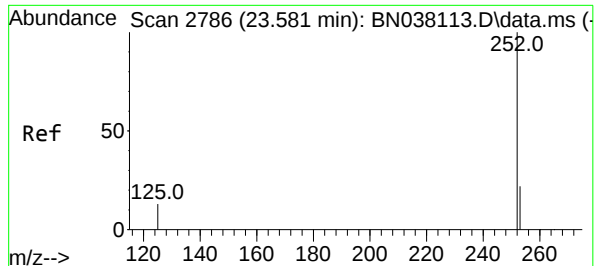
Ion Ratio Lower Upper

252 100

253 22.1 21.2 31.8

125 11.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 3.392 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

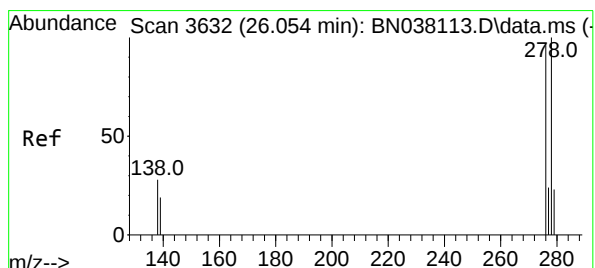
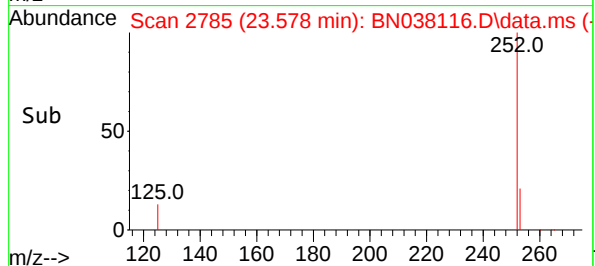
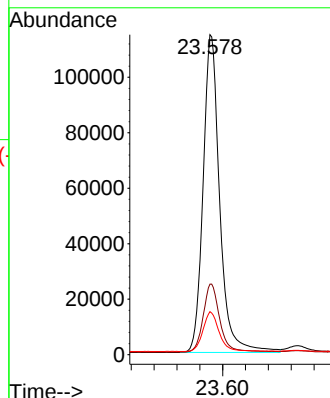
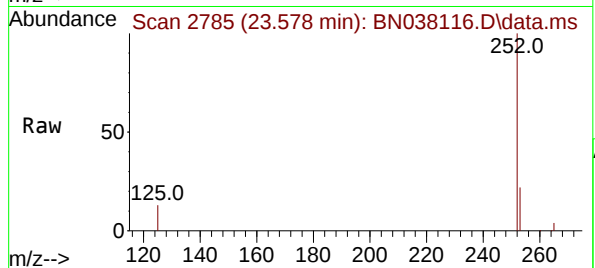
Tgt Ion:252 Resp: 231067

Ion Ratio Lower Upper

252 100

253 22.1 23.1 34.7#

125 13.4 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 3.449 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

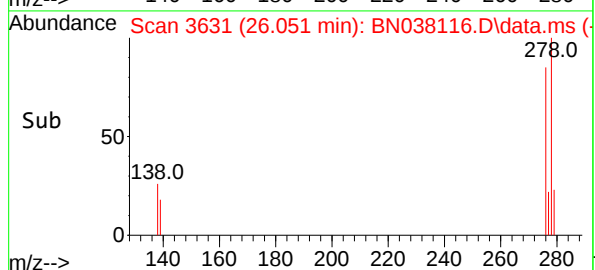
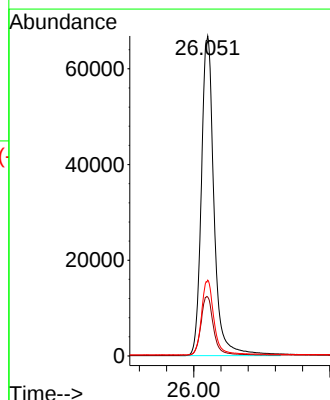
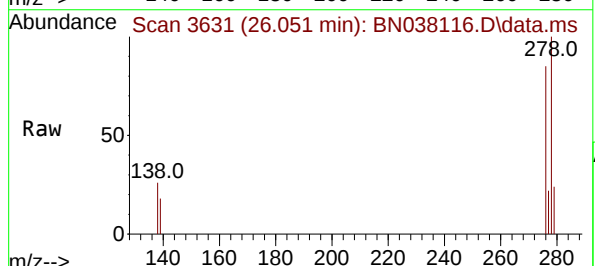
Tgt Ion:278 Resp: 217022

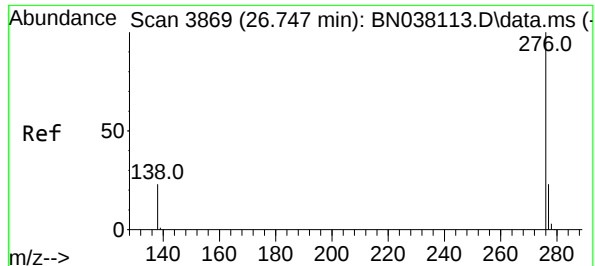
Ion Ratio Lower Upper

278 100

139 18.4 17.6 26.4

279 23.7 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 3.274 ng

RT: 26.750 min Scan# 3869

Delta R.T. 0.000 min

Lab File: BN038116.D

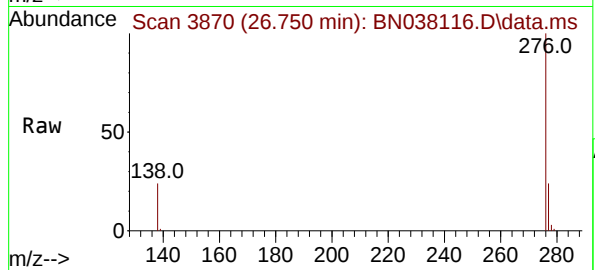
Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



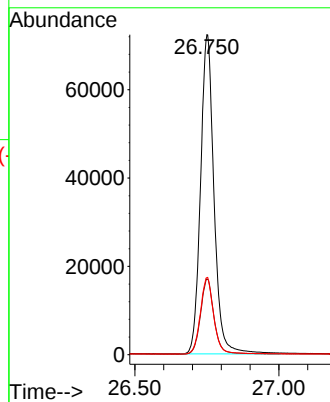
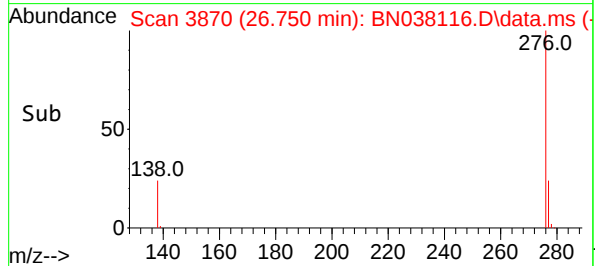
Tgt Ion:276 Resp: 235264

Ion Ratio Lower Upper

276 100

277 23.7 19.7 29.5

138 24.1 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038117.D
 Acq On : 28 Oct 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Oct 28 17:31:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

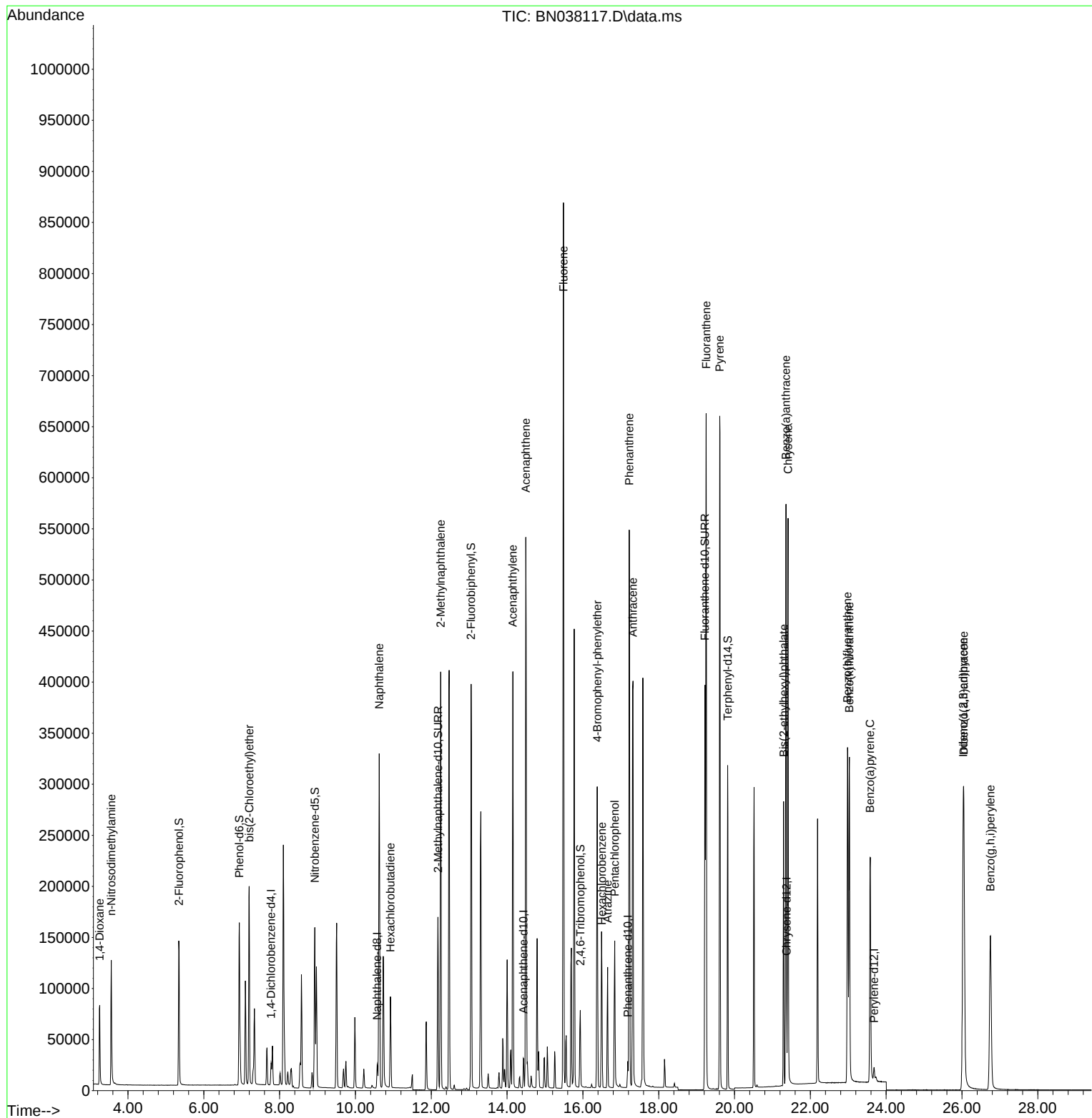
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10579	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31197	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17960	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33242	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25416	0.400	ng	0.00
35) Perylene-d12	23.680	264	18172	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	116608	4.679	ng	0.00
5) Phenol-d6	6.937	99	150343	4.953	ng	0.00
8) Nitrobenzene-d5	8.929	82	119764	4.757	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	225769	5.068	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	43520	5.881	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	335695	4.667	ng	0.00
27) Fluoranthene-d10	19.220	212	419371	5.003	ng	0.00
31) Terphenyl-d14	19.819	244	283126	5.127	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	51426	4.705	ng	100
3) n-Nitrosodimethylamine	3.557	42	68522	4.871	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	142662	4.784	ng	99
9) Naphthalene	10.626	128	422794	4.920	ng	99
10) Hexachlorobutadiene	10.925	225	68839	4.748	ng	# 99
12) 2-Methylnaphthalene	12.248	142	287955	5.025	ng	99
16) Acenaphthylene	14.152	152	428380	5.267	ng	99
17) Acenaphthene	14.494	154	291166	5.117	ng	95
18) Fluorene	15.489	166	389813	5.227	ng	98
21) 4-Bromophenyl-phenylether	16.379	248	114170	5.239	ng	# 92
22) Hexachlorobenzene	16.503	284	123999	5.003	ng	99
23) Atrazine	16.652	200	87823	5.501	ng	97
24) Pentachlorophenol	16.838	266	66071	6.188	ng	99
25) Phenanthrene	17.223	178	539294	5.110	ng	100
26) Anthracene	17.322	178	499584	5.411	ng	99
28) Fluoranthene	19.253	202	587710	4.984	ng	99
30) Pyrene	19.610	202	586526	5.112	ng	100
32) Benzo(a)anthracene	21.358	228	462496	5.100	ng	100
33) Chrysene	21.411	228	473389	4.811	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	223481	4.679	ng	99
36) Indeno(1,2,3-cd)pyrene	26.034	276	403825	5.409	ng	99
37) Benzo(b)fluoranthene	22.981	252	413811	5.326	ng	# 90
38) Benzo(k)fluoranthene	23.028	252	421255	5.387	ng	# 88
39) Benzo(a)pyrene	23.578	252	332107	5.340	ng	# 83
40) Dibenzo(a,h)anthracene	26.048	278	318538	5.545	ng	91
41) Benzo(g,h,i)perylene	26.750	276	342713	5.223	ng	98

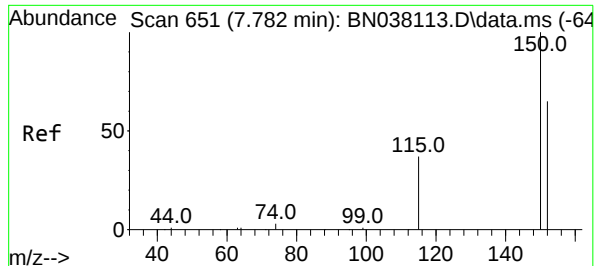
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 28 Oct 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

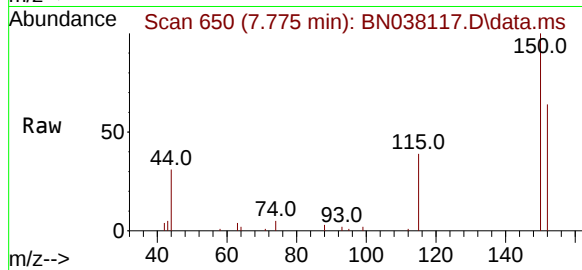
Quant Time: Oct 28 17:31:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration



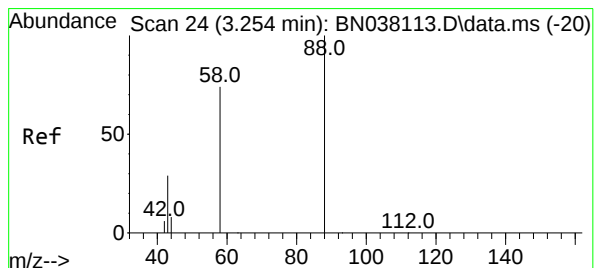
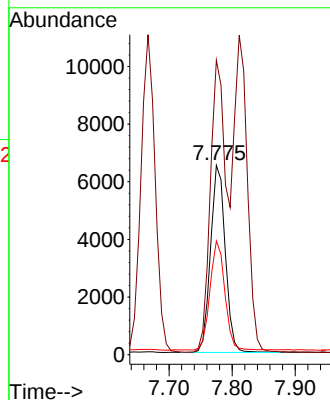
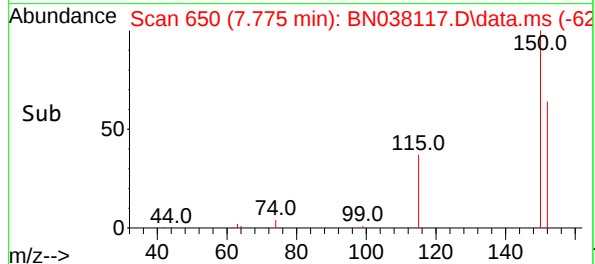


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

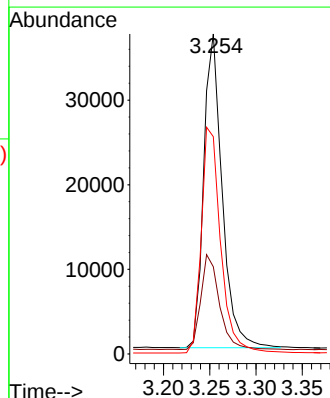
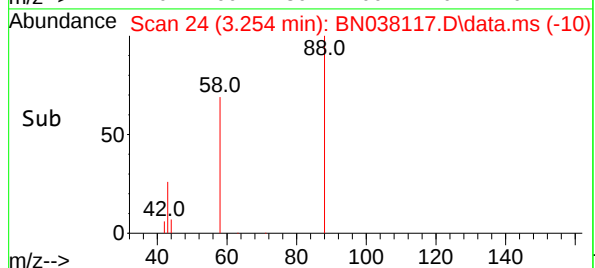
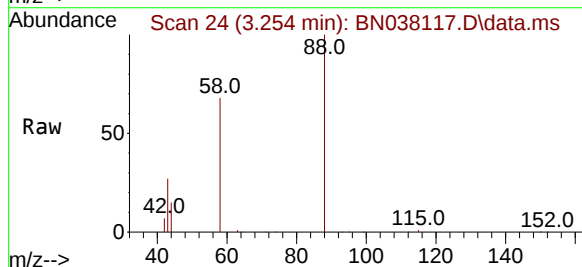


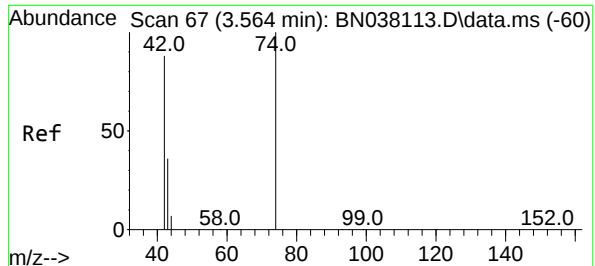
Tgt Ion:152 Resp: 10579
Ion Ratio Lower Upper
152 100
150 155.6 122.3 183.5
115 60.1 47.4 71.0



#2
1,4-Dioxane
Concen: 4.705 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 88 Resp: 51426
Ion Ratio Lower Upper
88 100
43 30.5 24.3 36.5
58 75.4 60.4 90.6

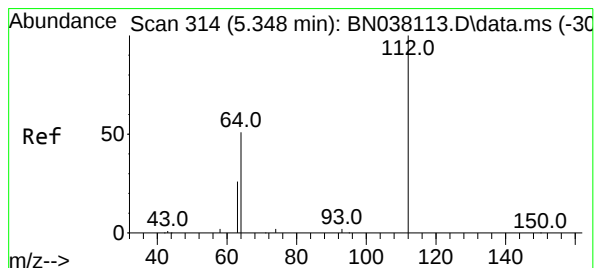
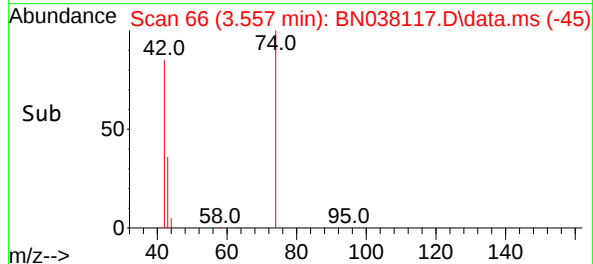
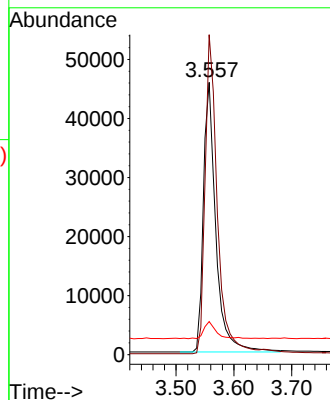
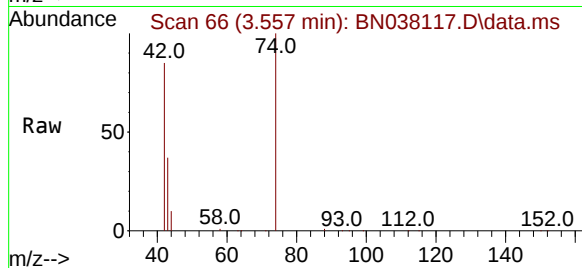




#3
n-Nitrosodimethylamine
Concen: 4.871 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

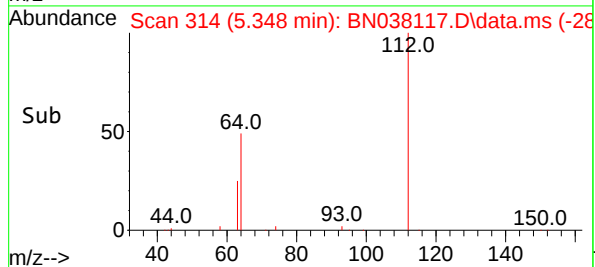
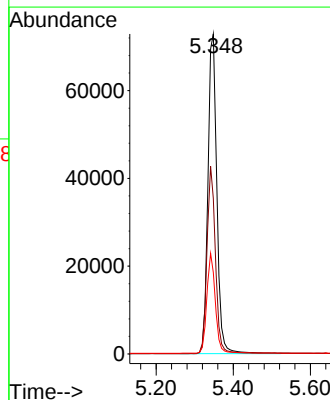
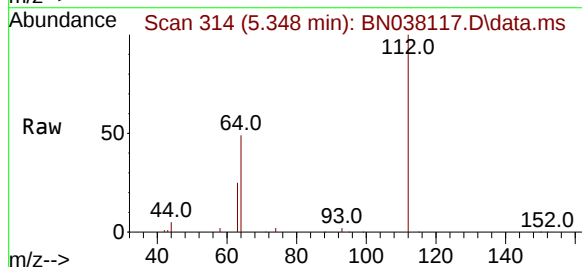
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BNA_N
ClientSampleId :
SSTDICC5.0

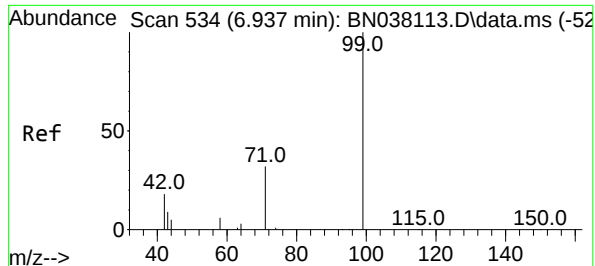
Tgt Ion: 42 Resp: 68522
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.5 5.3 7.9



#4
2-Fluorophenol
Concen: 4.679 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 112 Resp: 116608
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 29.9 23.2 34.8

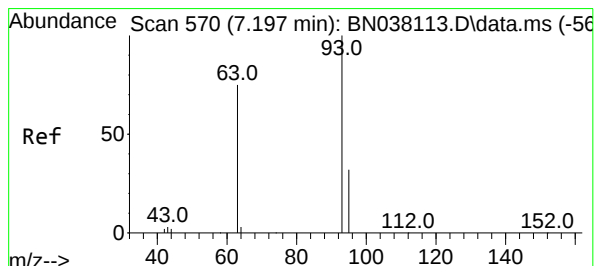
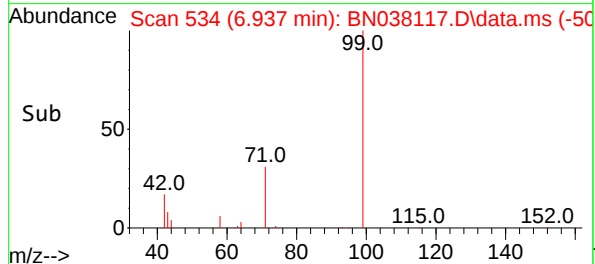
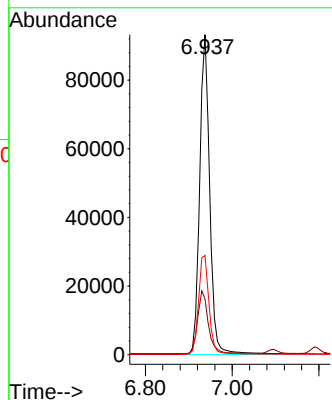
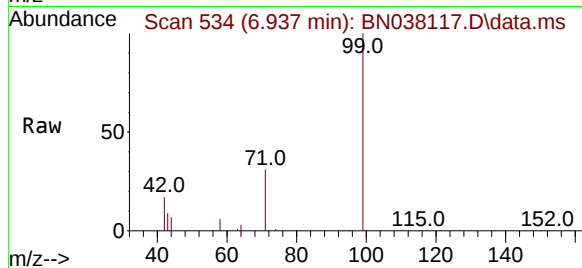




#5
Phenol-d6
Concen: 4.953 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

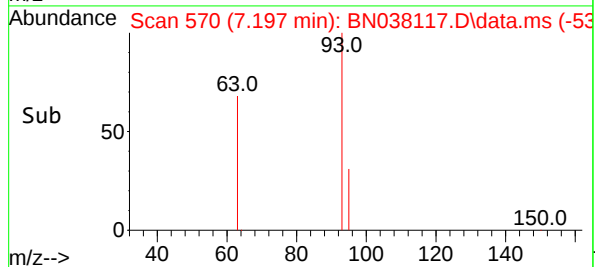
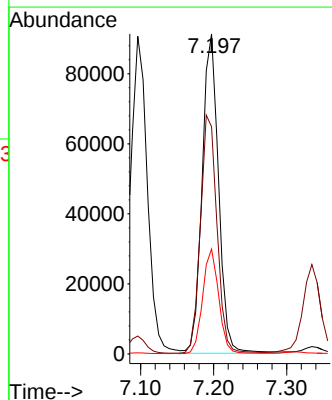
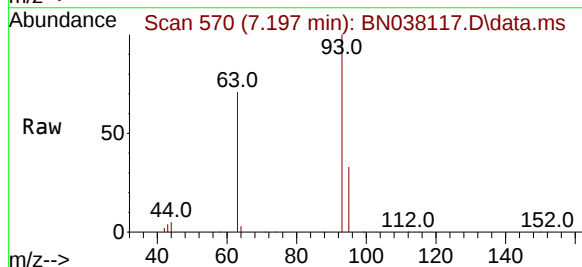
Instrument :
BNA_N
ClientSampleId :
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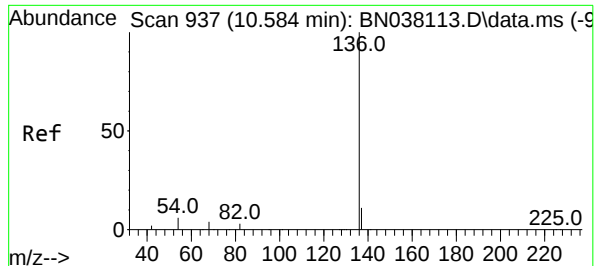
Tgt Ion: 99 Resp: 150343
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 32.5 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 4.784 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 93 Resp: 142662
Ion Ratio Lower Upper
93 100
63 74.9 59.3 88.9
95 31.9 25.2 37.8

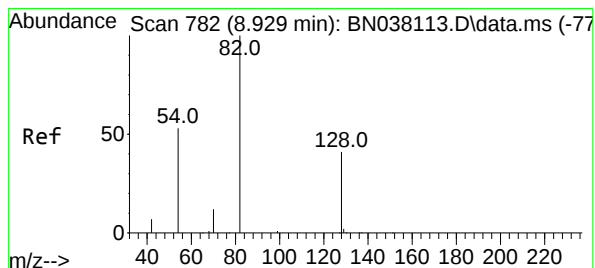
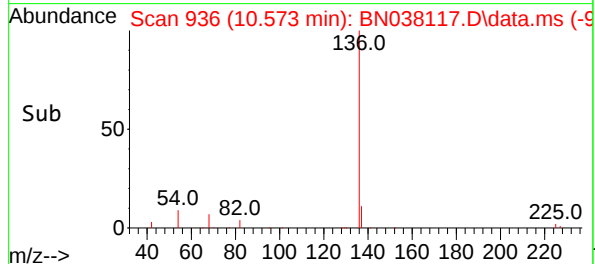
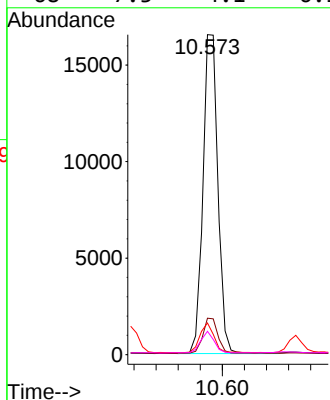
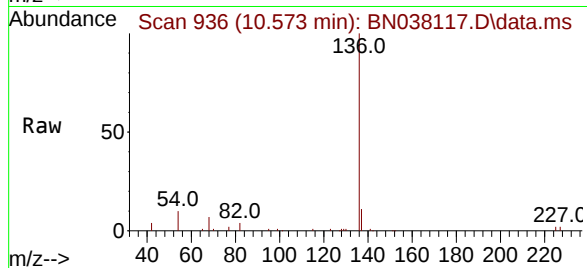




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

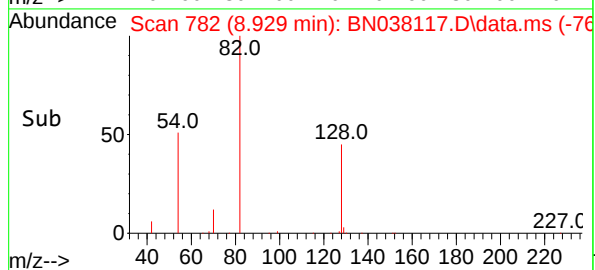
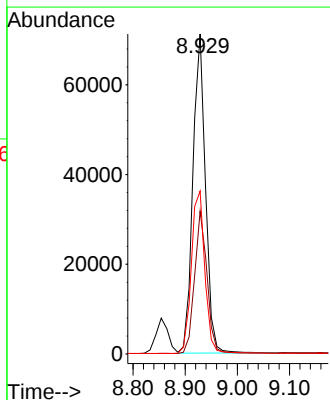
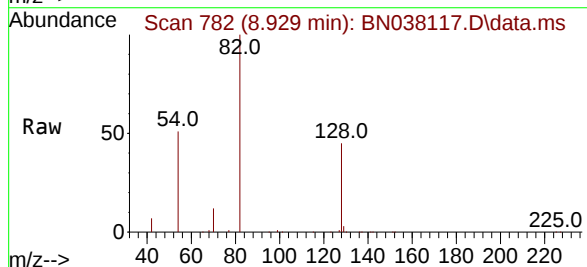
Instrument :
BNA_N
ClientSampleId :
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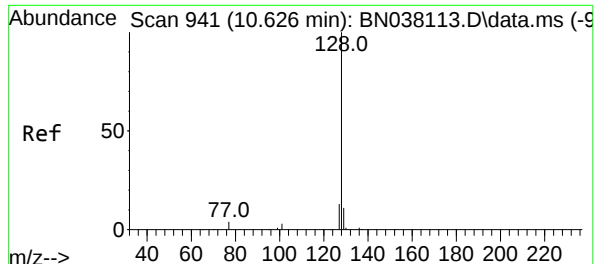
Tgt Ion	136	137	54	68
Resp:	31197	11.4	9.9	7.3
Lower		9.0	5.2	4.1
Upper		13.4	7.8#	6.1#



#8
Nitrobenzene-d5
Concen: 4.757 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion	82	128	54
Resp:	119764	44.7	50.9
Lower		34.1	43.5
Upper		51.1	65.3

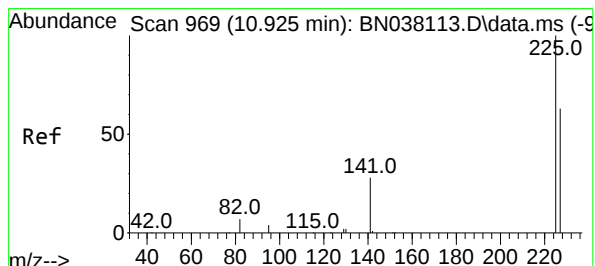
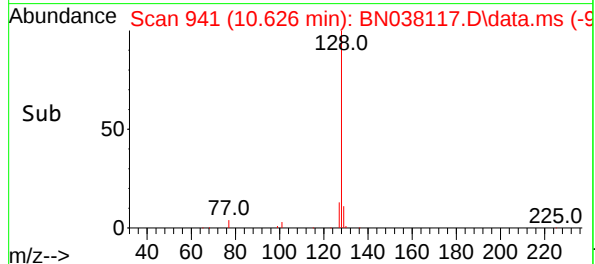
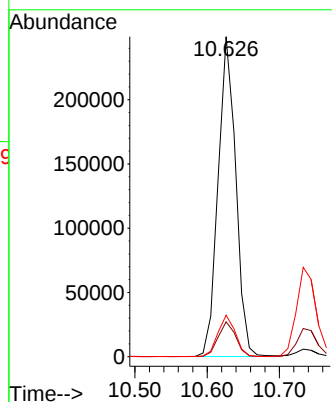
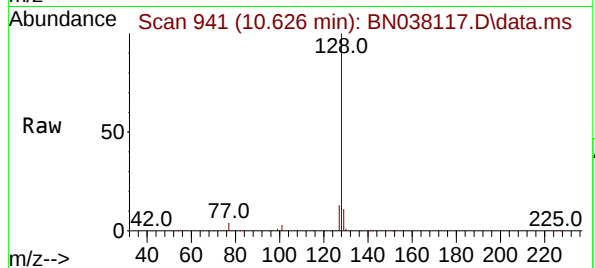




#9
Naphthalene
Concen: 4.920 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

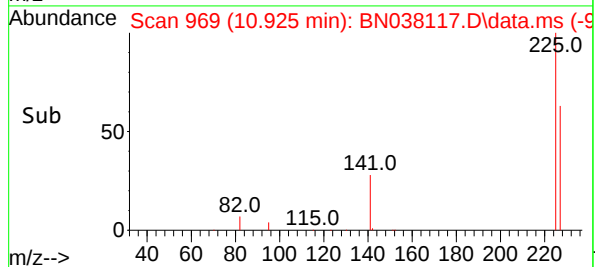
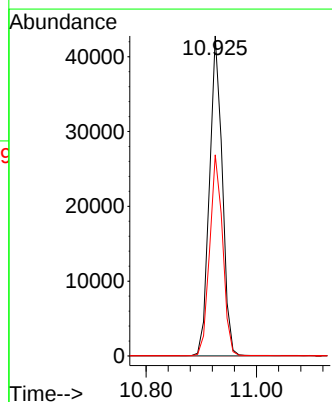
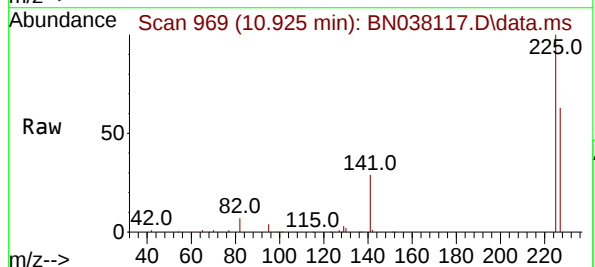
Instrument :
BNA_N
ClientSampleId :
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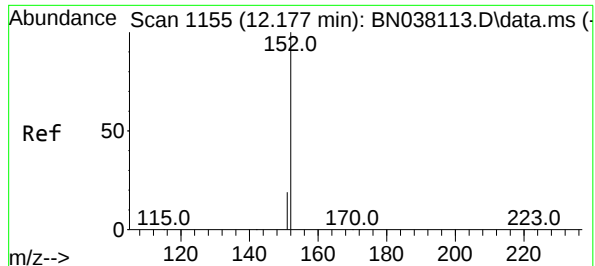
Tgt Ion:128 Resp: 422794
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.5 15.7



#10
Hexachlorobutadiene
Concen: 4.748 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:225 Resp: 68839
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 50.3 75.5

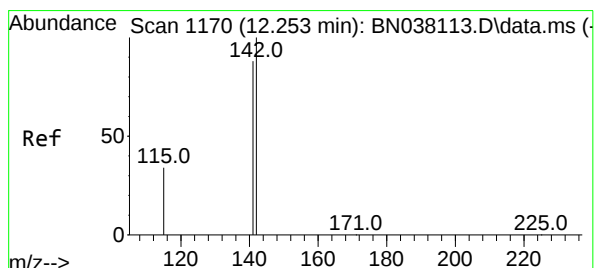
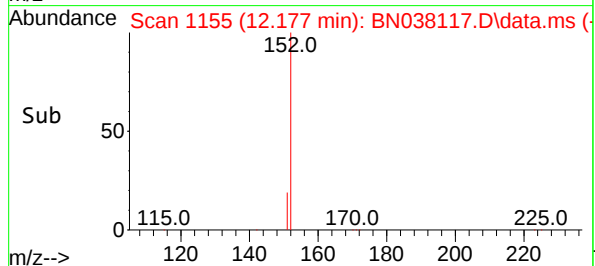
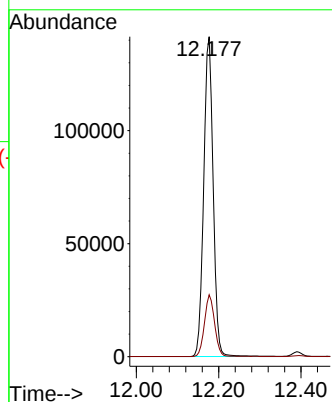
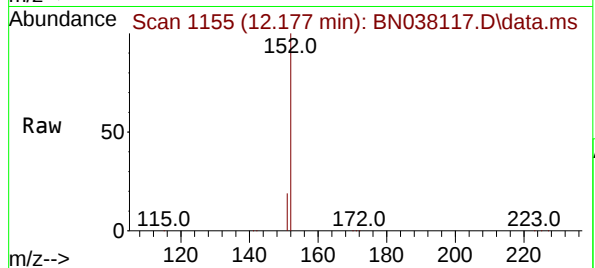




#11
2-Methylnaphthalene-d10
Concen: 5.068 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

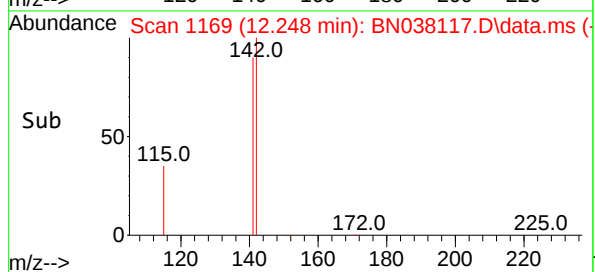
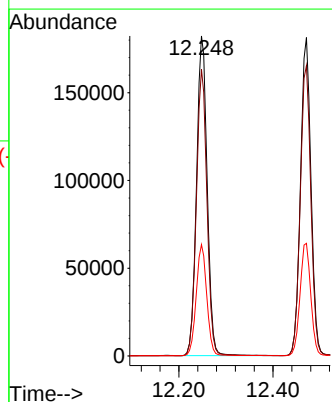
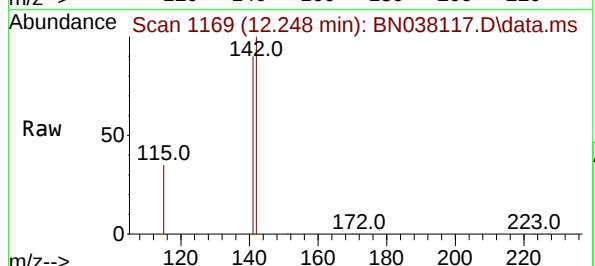
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ClientSampleId :
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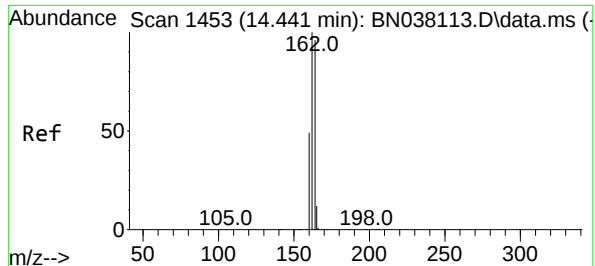
Tgt Ion:152 Resp: 225769
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#12
2-Methylnaphthalene
Concen: 5.025 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:142 Resp: 287955
Ion Ratio Lower Upper
142 100
141 89.6 70.3 105.5
115 34.8 27.8 41.6

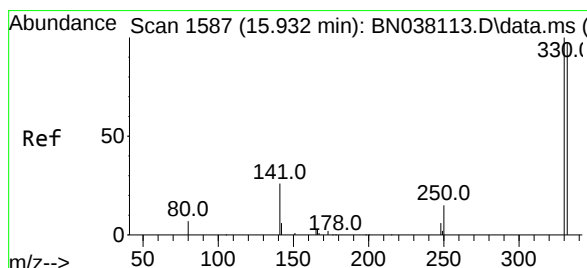
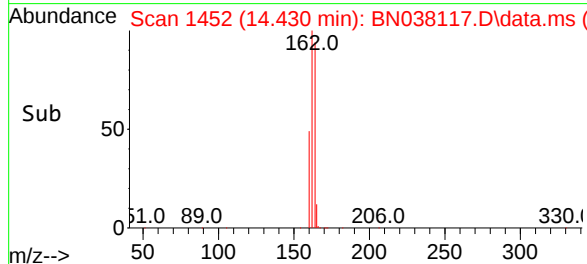
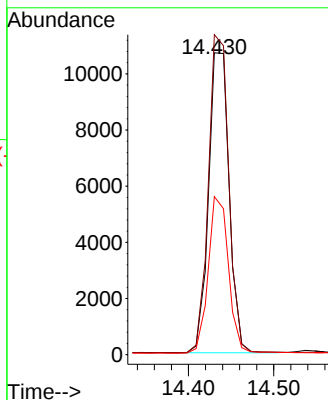
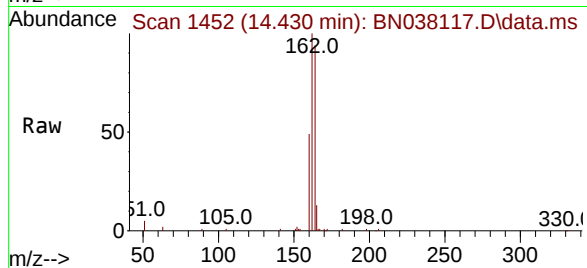




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

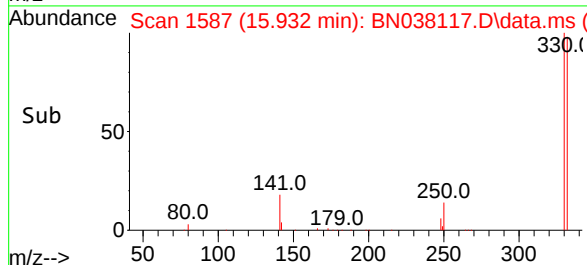
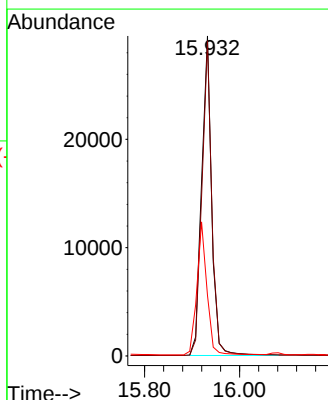
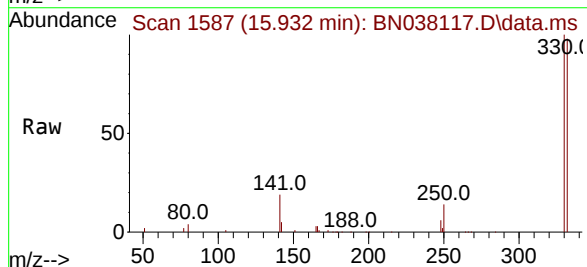
Instrument :
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ClientSampleId :
SSTDICC5.0

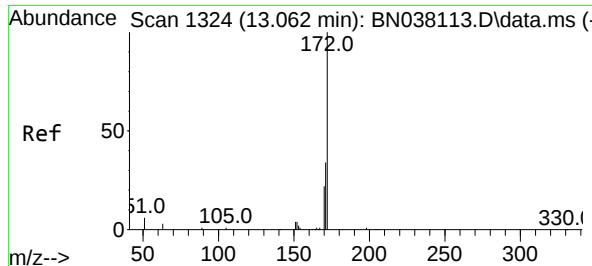
Tgt Ion:164 Resp: 17960
Ion Ratio Lower Upper
164 100
162 106.0 83.0 124.4
160 52.4 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 5.881 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:330 Resp: 43520
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 41.2 34.1 51.1

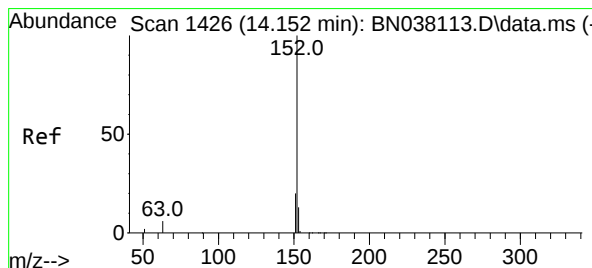
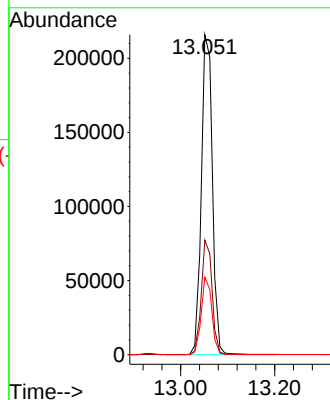
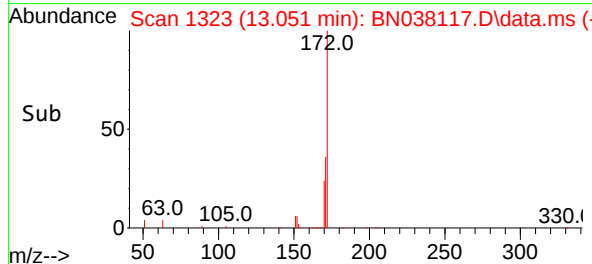
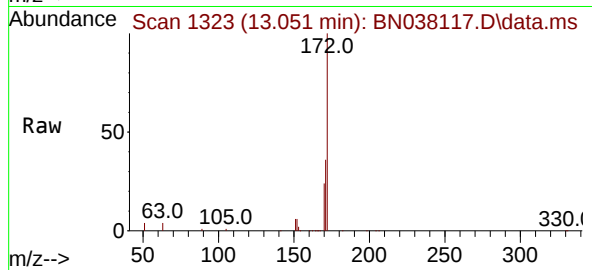




#15
2-Fluorobiphenyl
Concen: 4.667 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

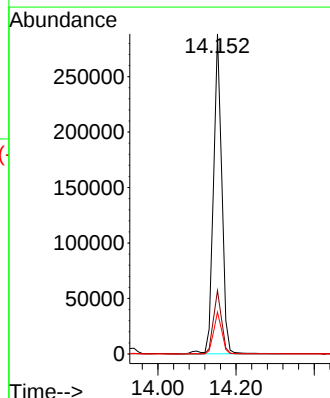
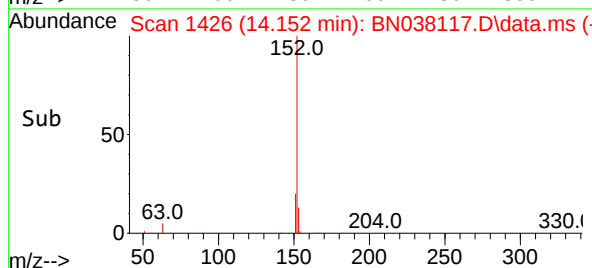
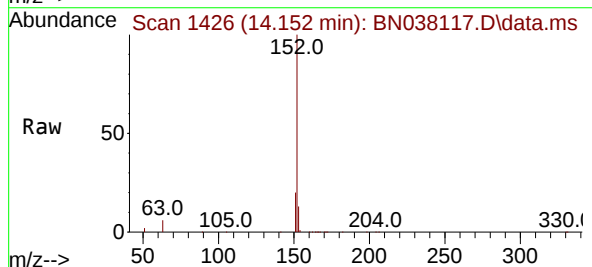
Instrument :
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ClientSampleId :
SSTDICC5.0

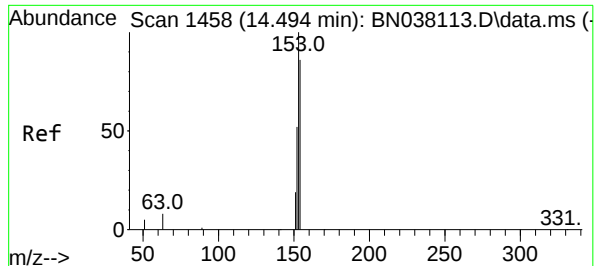
Tgt Ion:172 Resp: 335695
Ion Ratio Lower Upper
172 100
171 35.8 27.8 41.6
170 24.2 18.1 27.1



#16
Acenaphthylene
Concen: 5.267 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:152 Resp: 428380
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.0 10.2 15.2

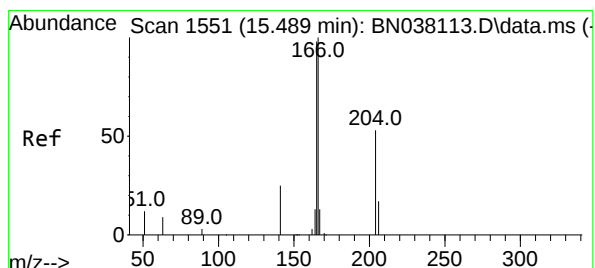
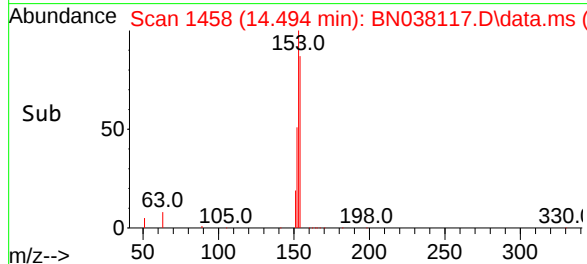
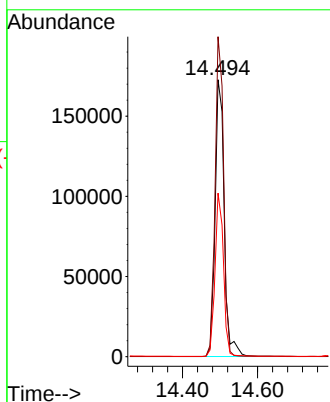
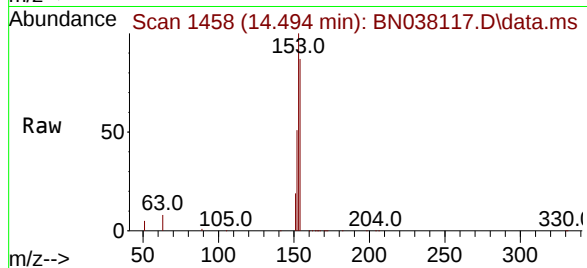




#17
Acenaphthene
Concen: 5.117 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

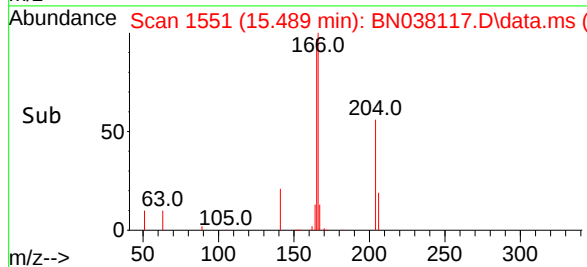
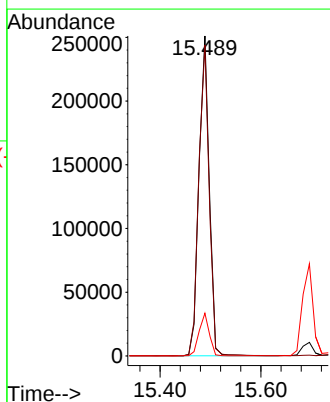
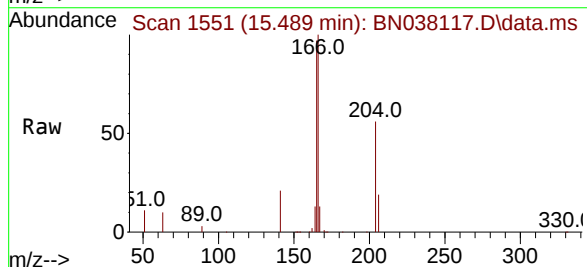
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

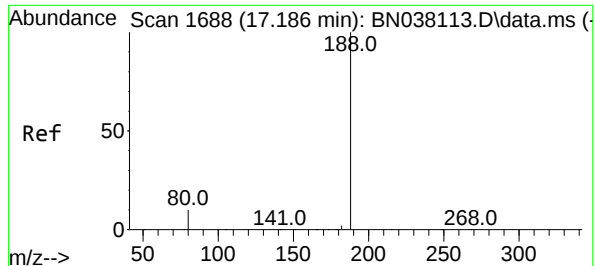
Tgt Ion:154 Resp: 291166
Ion Ratio Lower Upper
154 100
153 108.1 90.0 135.0
152 55.0 47.3 70.9



#18
Fluorene
Concen: 5.227 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:166 Resp: 389813
Ion Ratio Lower Upper
166 100
165 97.0 79.0 118.4
167 13.1 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

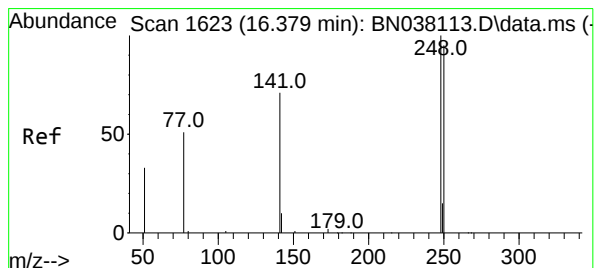
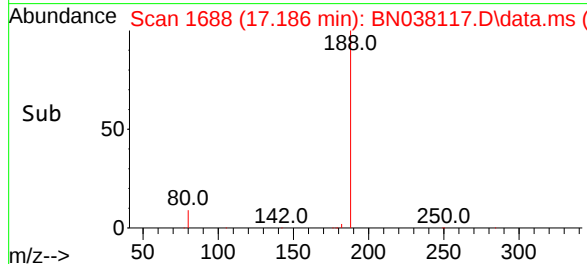
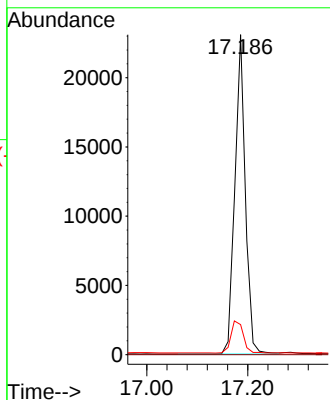
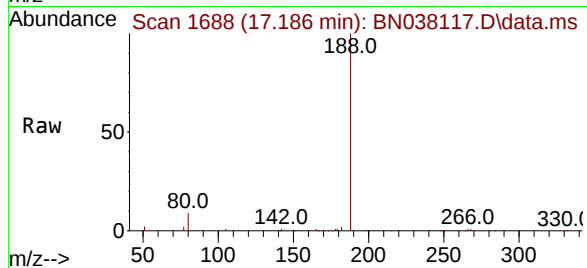
Tgt Ion:188 Resp: 33242

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 8.6 13.0



#21

4-Bromophenyl-phenylether

Concen: 5.239 ng

RT: 16.379 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

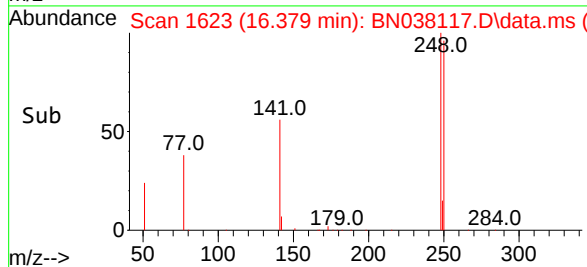
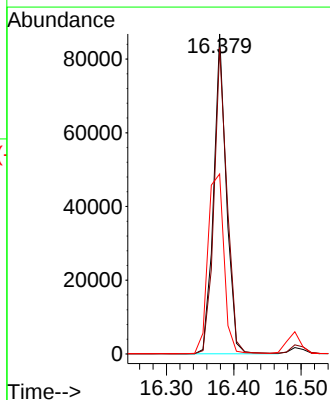
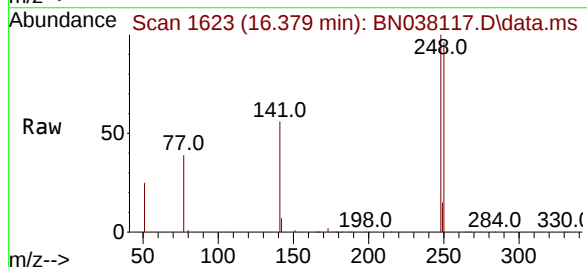
Tgt Ion:248 Resp: 114170

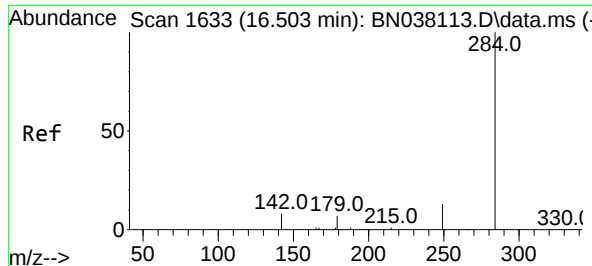
Ion Ratio Lower Upper

248 100

250 95.7 76.2 114.2

141 56.3 57.6 86.4#

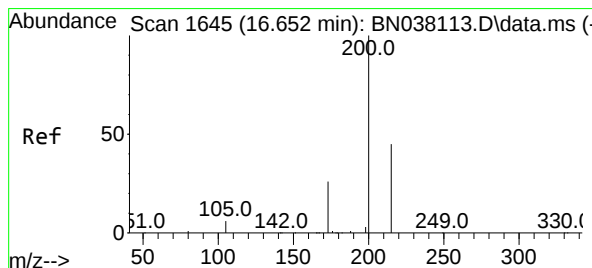
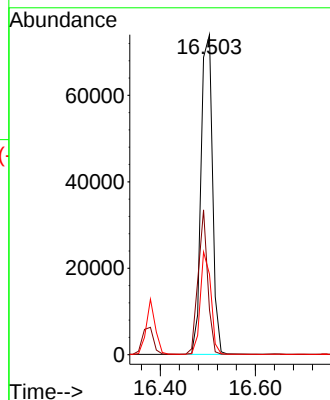
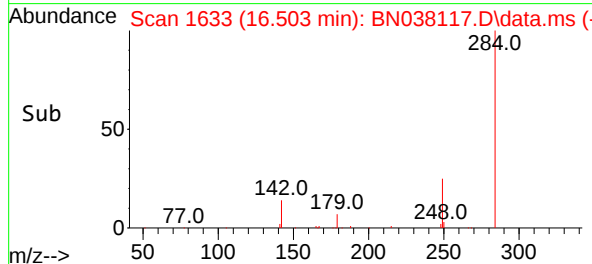
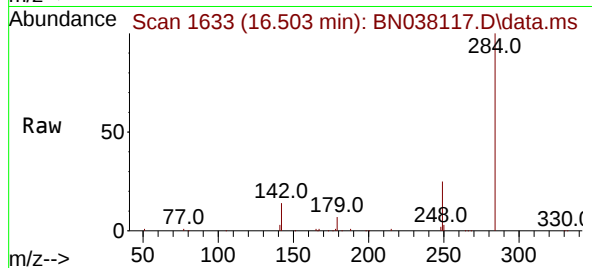




#22
Hexachlorobenzene
Concen: 5.003 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

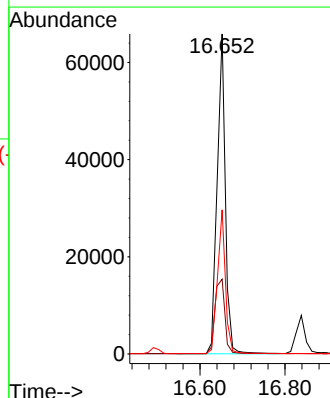
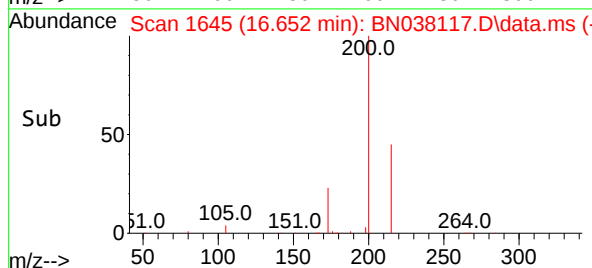
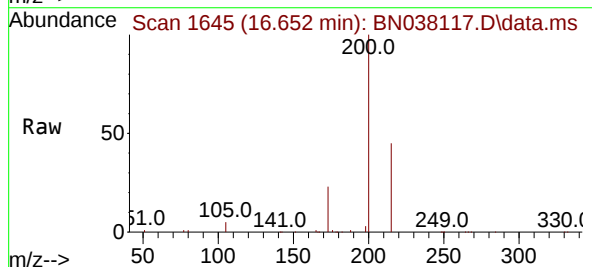
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

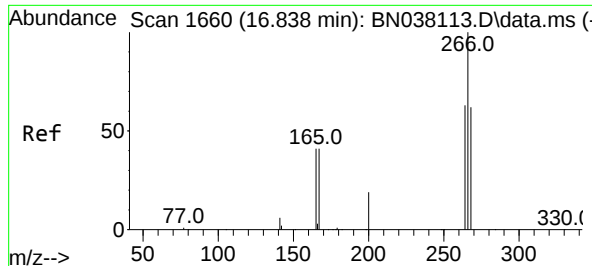
Tgt Ion:284 Resp: 123999
Ion Ratio Lower Upper
284 100
142 37.6 30.5 45.7
249 29.6 23.5 35.3



#23
Atrazine
Concen: 5.501 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:200 Resp: 87823
Ion Ratio Lower Upper
200 100
173 23.4 21.4 32.2
215 45.1 36.7 55.1





#24

Pentachlorophenol

Concen: 6.188 ng

RT: 16.838 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

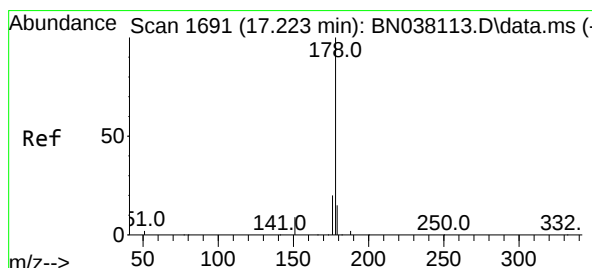
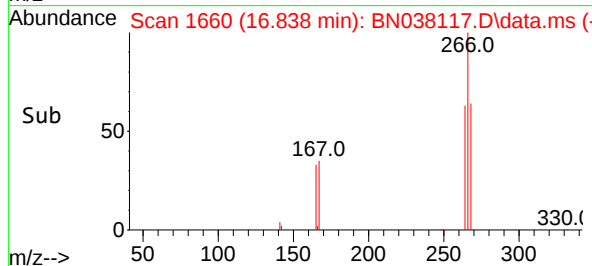
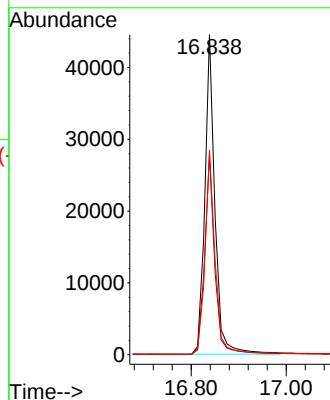
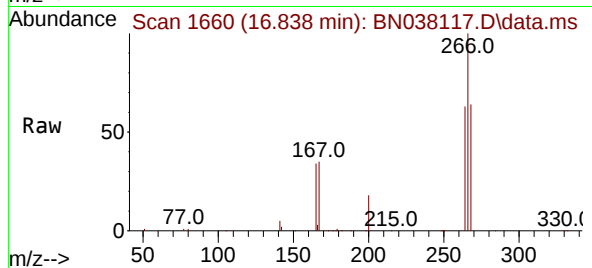
Tgt Ion:266 Resp: 66071

Ion Ratio Lower Upper

266 100

264 62.7 49.3 73.9

268 64.1 50.6 75.8



#25

Phenanthrene

Concen: 5.110 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

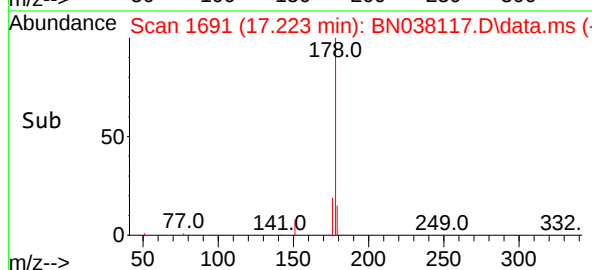
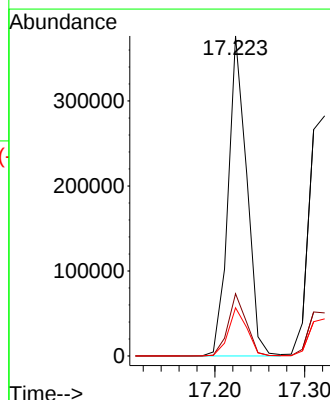
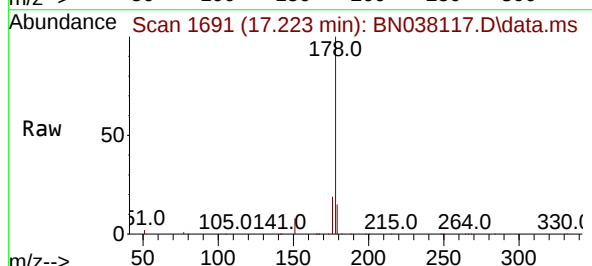
Tgt Ion:178 Resp: 539294

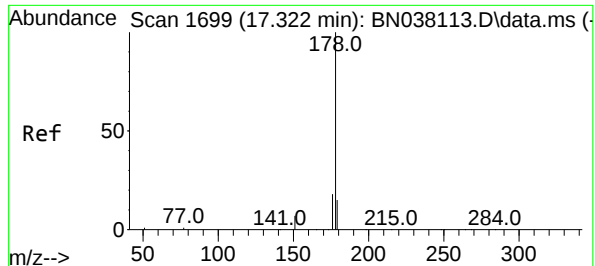
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.1 12.2 18.4

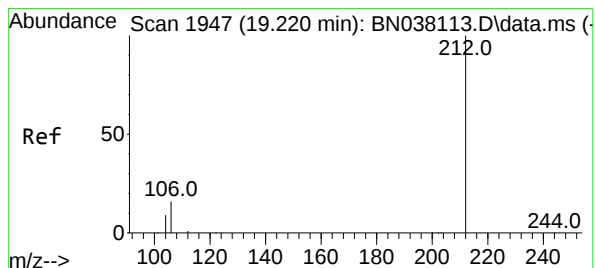
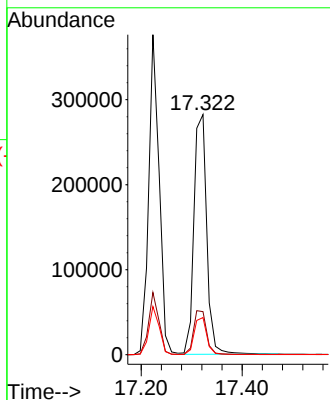
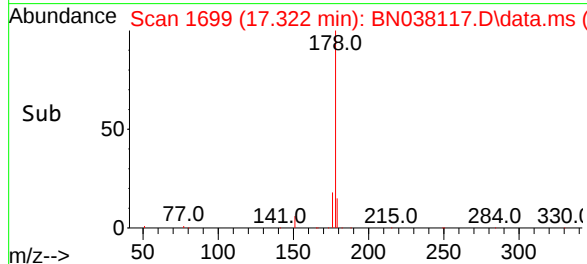
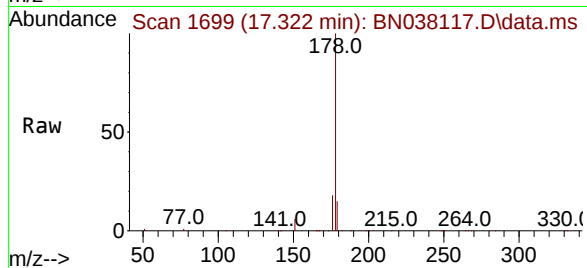




#26
Anthracene
Concen: 5.411 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

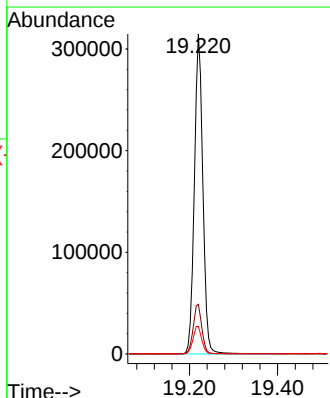
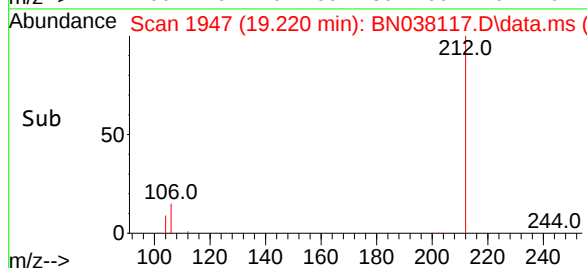
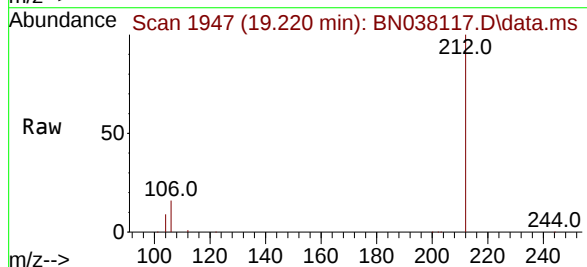
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

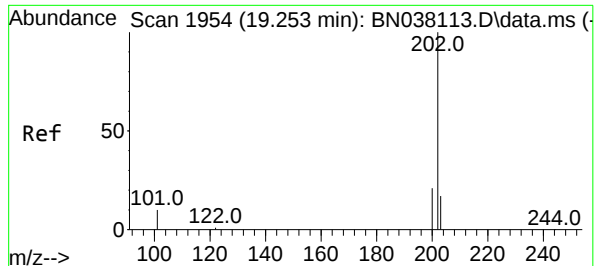
Tgt Ion:178 Resp: 499584
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.3 11.8 17.8



#27
Fluoranthene-d10
Concen: 5.003 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:212 Resp: 419371
Ion Ratio Lower Upper
212 100
106 15.8 12.6 19.0
104 8.9 7.1 10.7

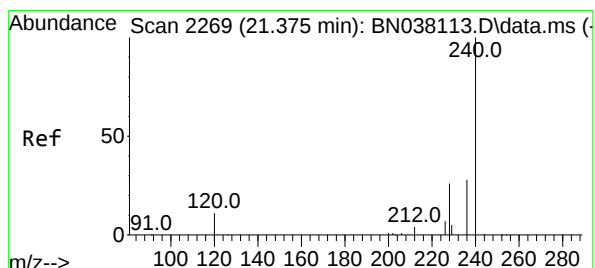
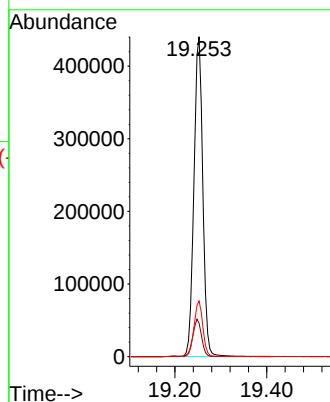
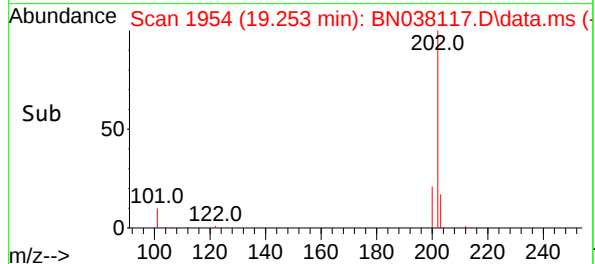
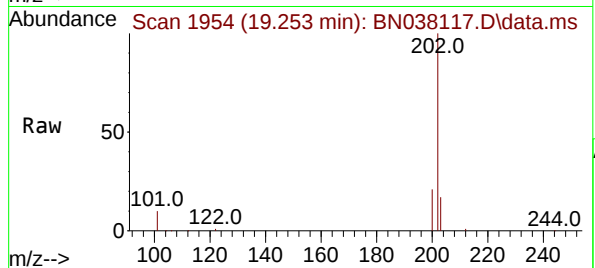




#28
Fluoranthene
Concen: 4.984 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

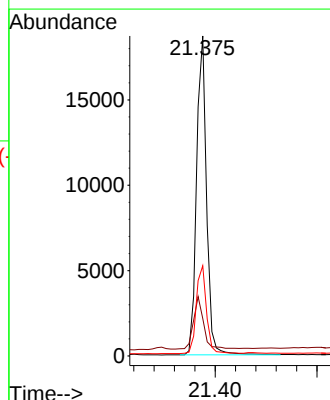
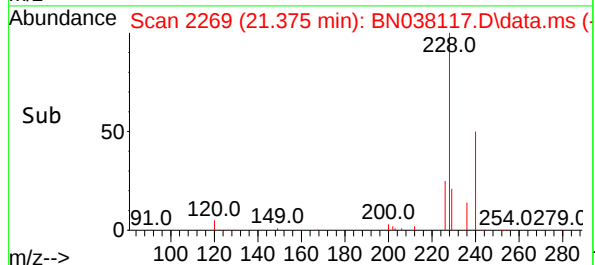
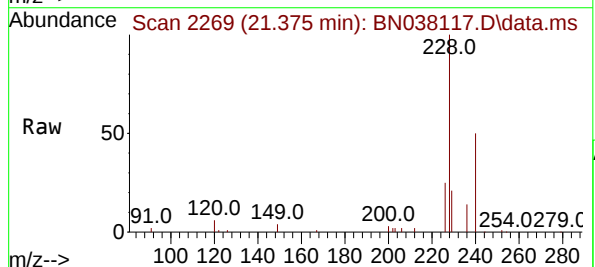
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

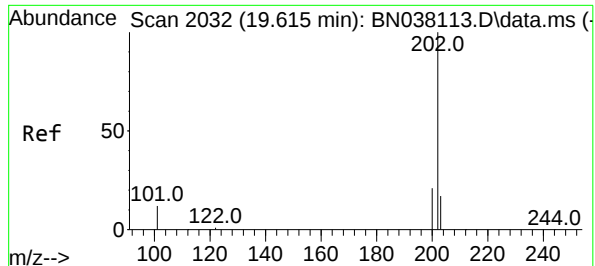
Tgt Ion:202 Resp: 587710
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 17.3 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:240 Resp: 25416
Ion Ratio Lower Upper
240 100
120 11.7 10.7 16.1
236 28.2 23.1 34.7

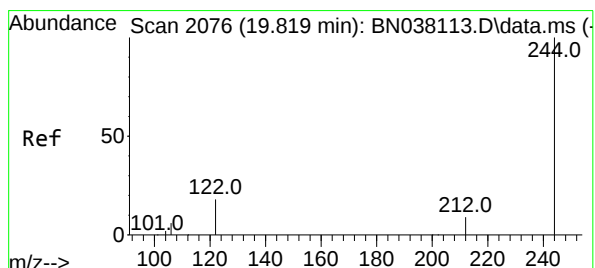
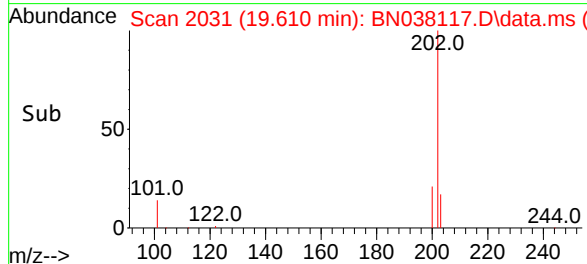
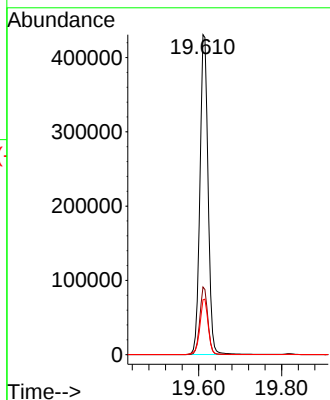
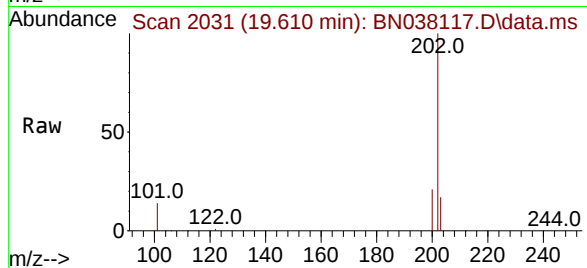




#30
Pyrene
Concen: 5.112 ng
RT: 19.610 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

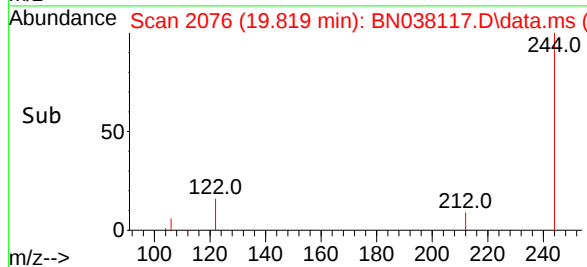
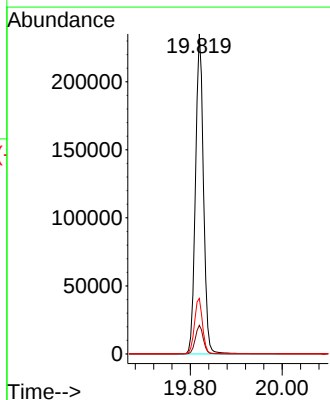
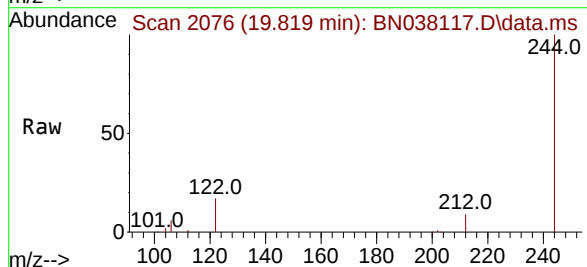
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

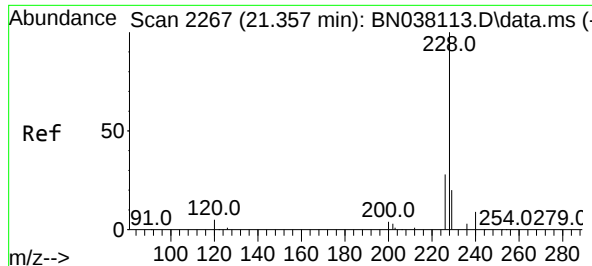
Tgt Ion:202 Resp: 586526
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.8 14.2 21.2



#31
Terphenyl-d14
Concen: 5.127 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:244 Resp: 283126
Ion Ratio Lower Upper
244 100
212 8.9 7.8 11.6
122 17.3 15.2 22.8

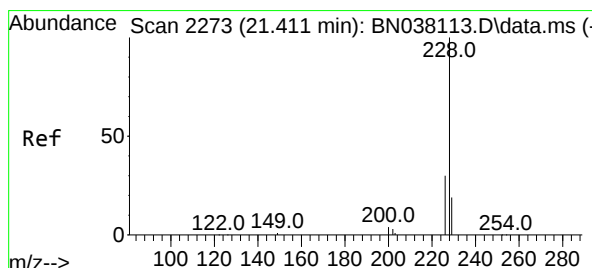
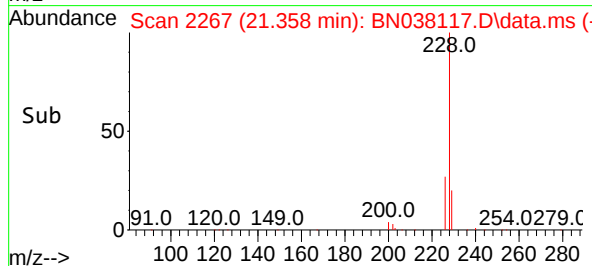
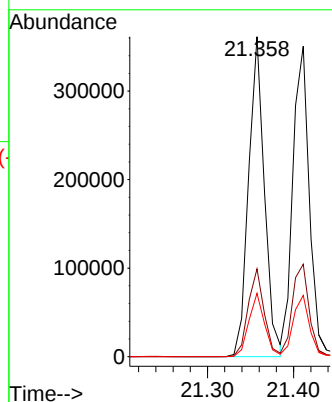
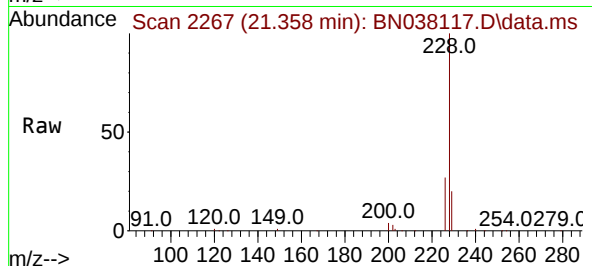




#32
Benzo(a)anthracene
Concen: 5.100 ng
RT: 21.358 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

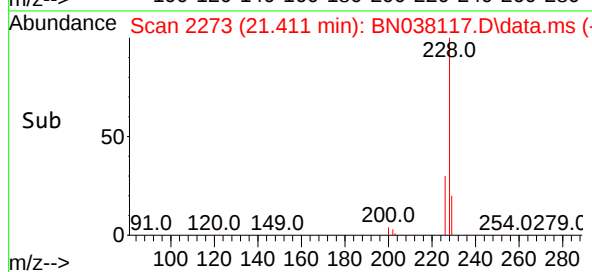
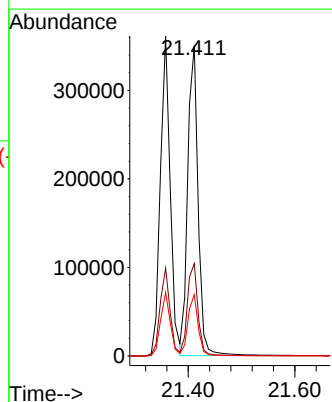
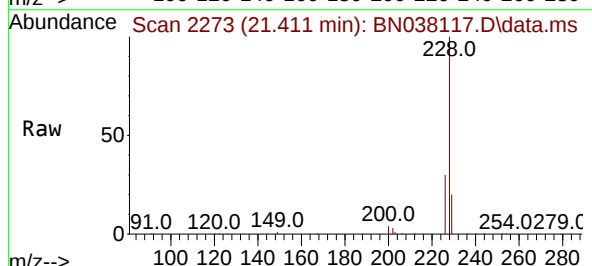
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

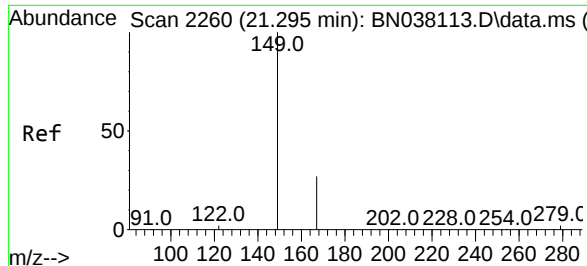
Tgt Ion:228 Resp: 462496
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.8 15.8 23.8



#33
Chrysene
Concen: 4.811 ng
RT: 21.411 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:228 Resp: 473389
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 19.8 15.7 23.5

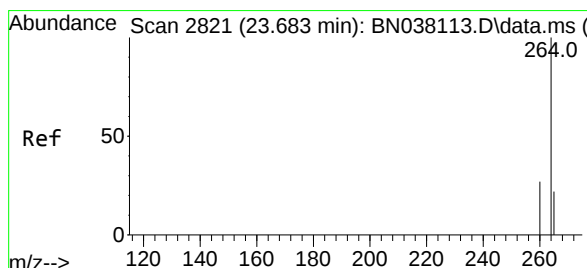
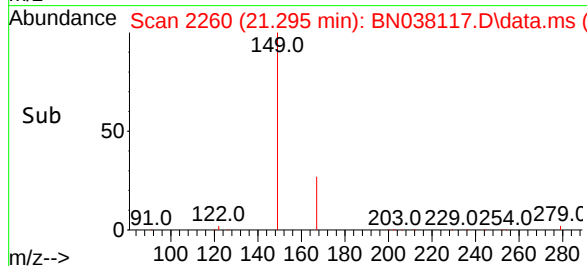
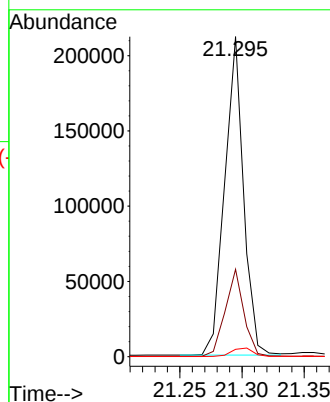
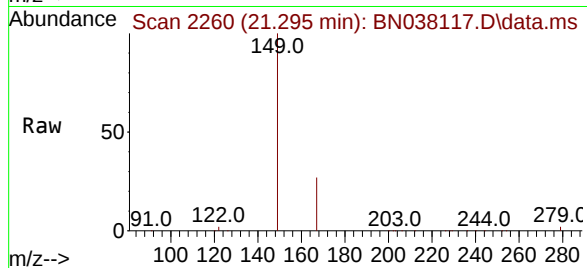




#34
Bis(2-ethylhexyl)phthalate
Concen: 4.679 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

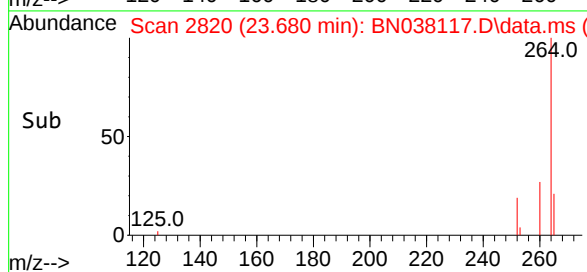
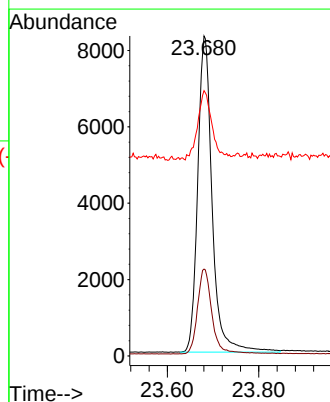
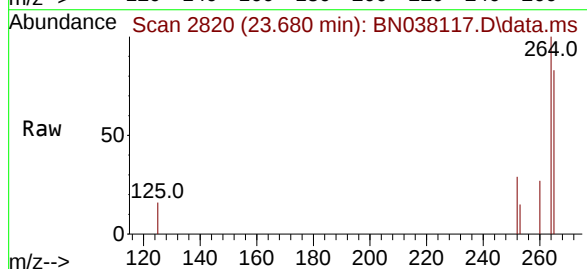
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

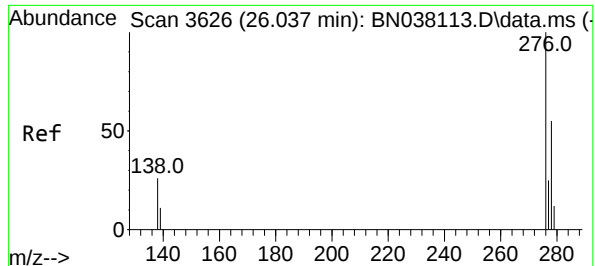
Tgt Ion:149 Resp: 223481
Ion Ratio Lower Upper
149 100
167 27.0 21.1 31.7
279 3.1 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:264 Resp: 18172
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 82.9 68.6 102.8





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.409 ng

RT: 26.034 min Scan# 3626

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

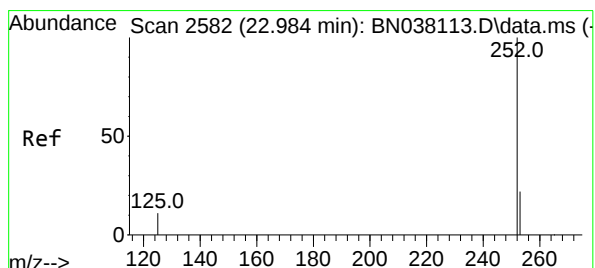
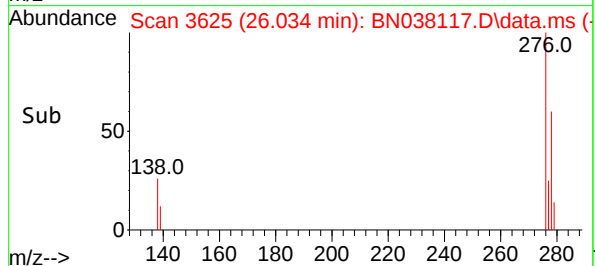
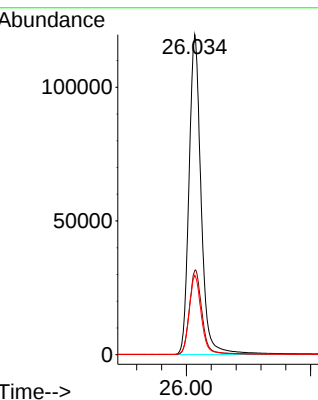
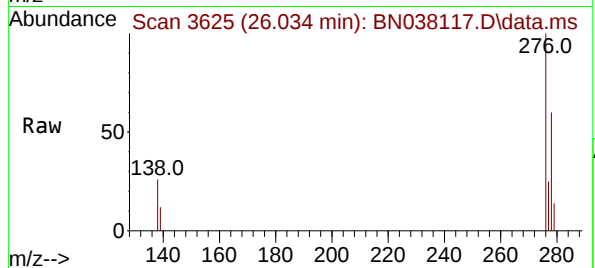
Tgt Ion:276 Resp: 403825

Ion Ratio Lower Upper

276 100

138 27.3 21.4 32.0

277 24.9 19.2 28.8



#37

Benzo(b)fluoranthene

Concen: 5.326 ng

RT: 22.981 min Scan# 2581

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

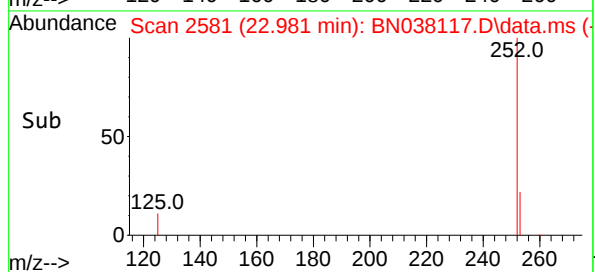
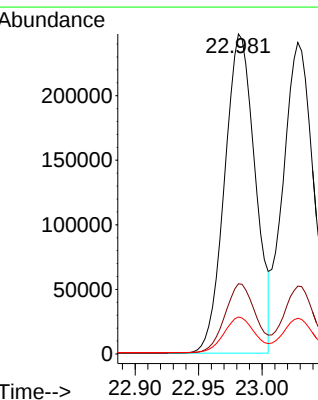
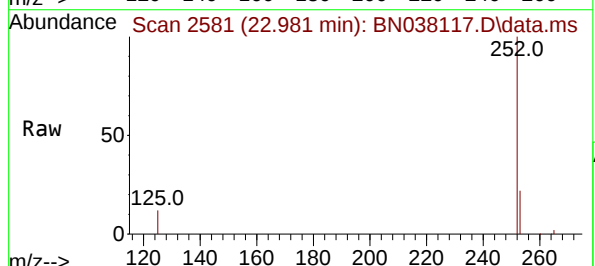
Tgt Ion:252 Resp: 413811

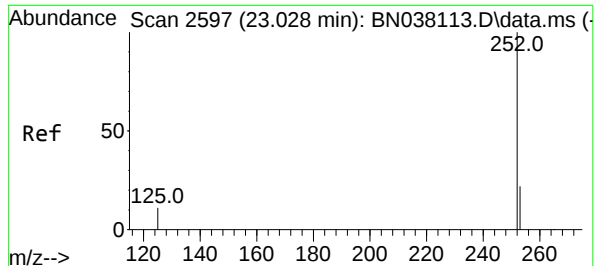
Ion Ratio Lower Upper

252 100

253 22.0 20.9 31.3

125 11.5 14.1 21.1#





#38

Benzo(k)fluoranthene

Concen: 5.387 ng

RT: 23.028 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

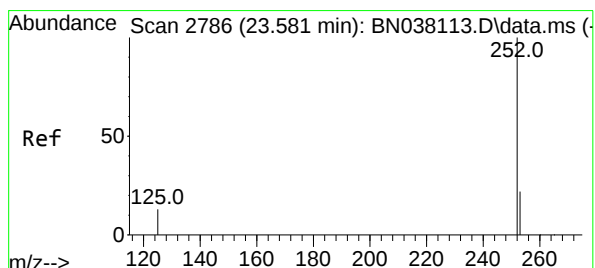
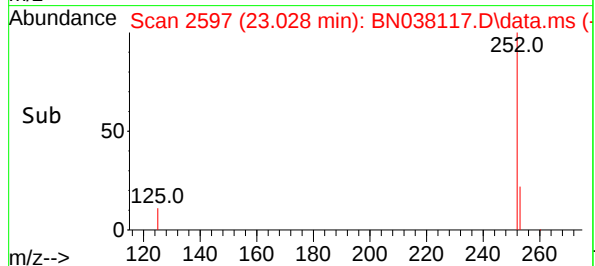
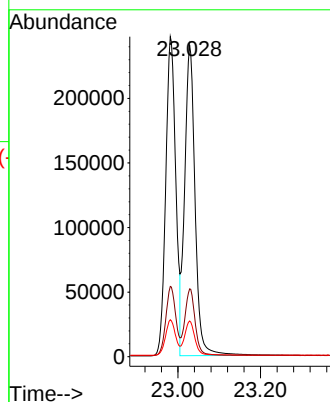
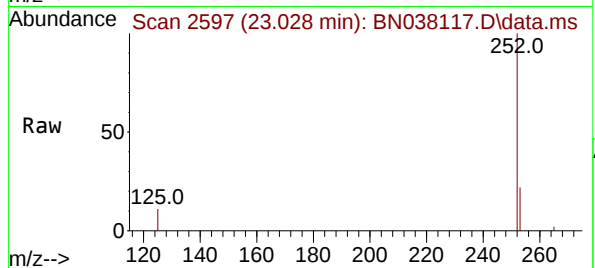
Tgt Ion:252 Resp: 421255

Ion Ratio Lower Upper

252 100

253 21.8 21.2 31.8

125 11.4 14.6 22.0#



#39

Benzo(a)pyrene

Concen: 5.340 ng

RT: 23.578 min Scan# 2785

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

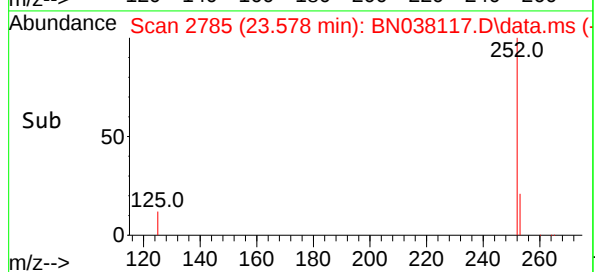
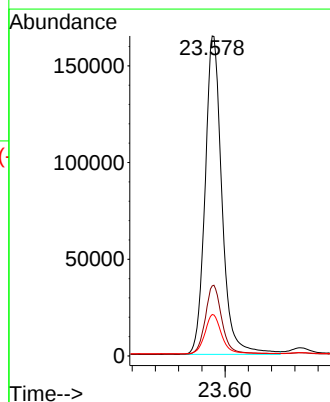
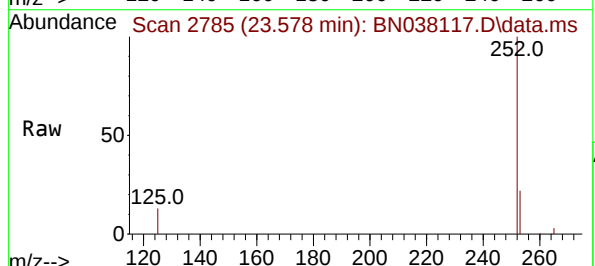
Tgt Ion:252 Resp: 332107

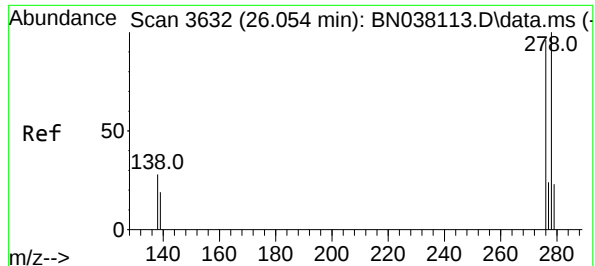
Ion Ratio Lower Upper

252 100

253 21.9 23.1 34.7#

125 12.9 18.6 28.0#

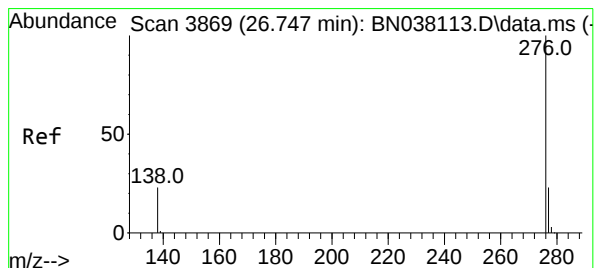
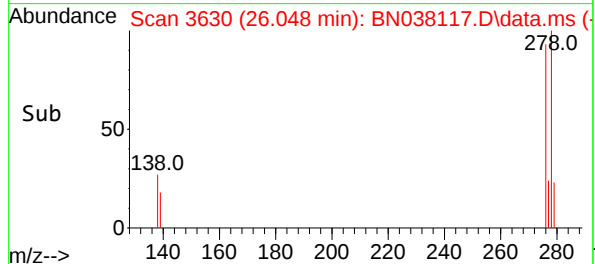
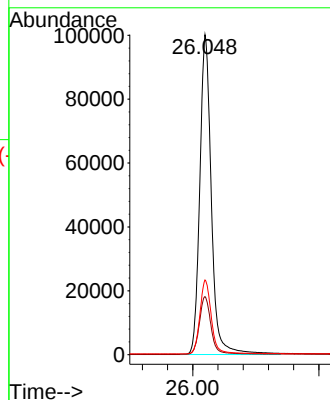
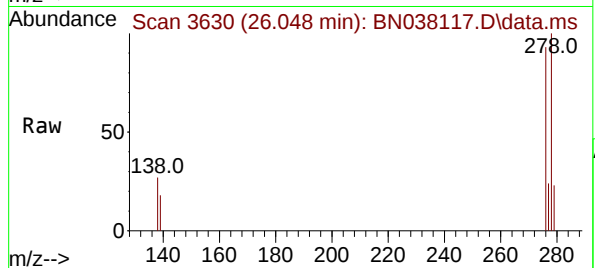




#40
Dibenzo(a,h)anthracene
Concen: 5.545 ng
RT: 26.048 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

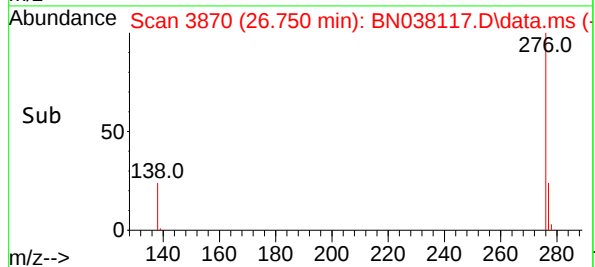
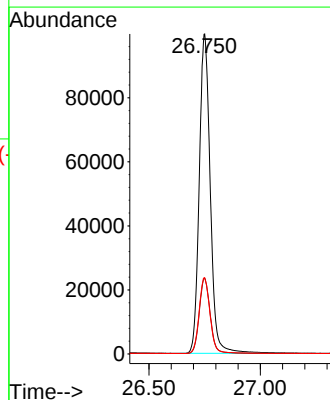
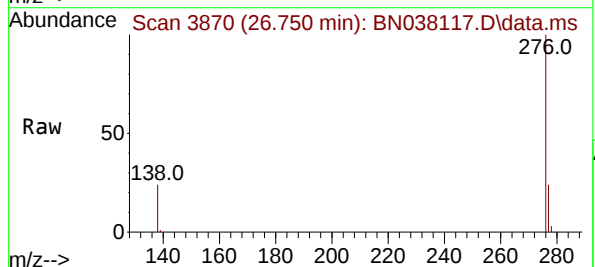
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 318538
Ion Ratio Lower Upper
278 100
139 18.2 17.6 26.4
279 23.3 22.6 33.8



#41
Benzo(g,h,i)perylene
Concen: 5.223 ng
RT: 26.750 min Scan# 3870
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:276 Resp: 342713
Ion Ratio Lower Upper
276 100
277 23.6 19.7 29.5
138 23.9 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN102825

Quant Time: Oct 29 17:07:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

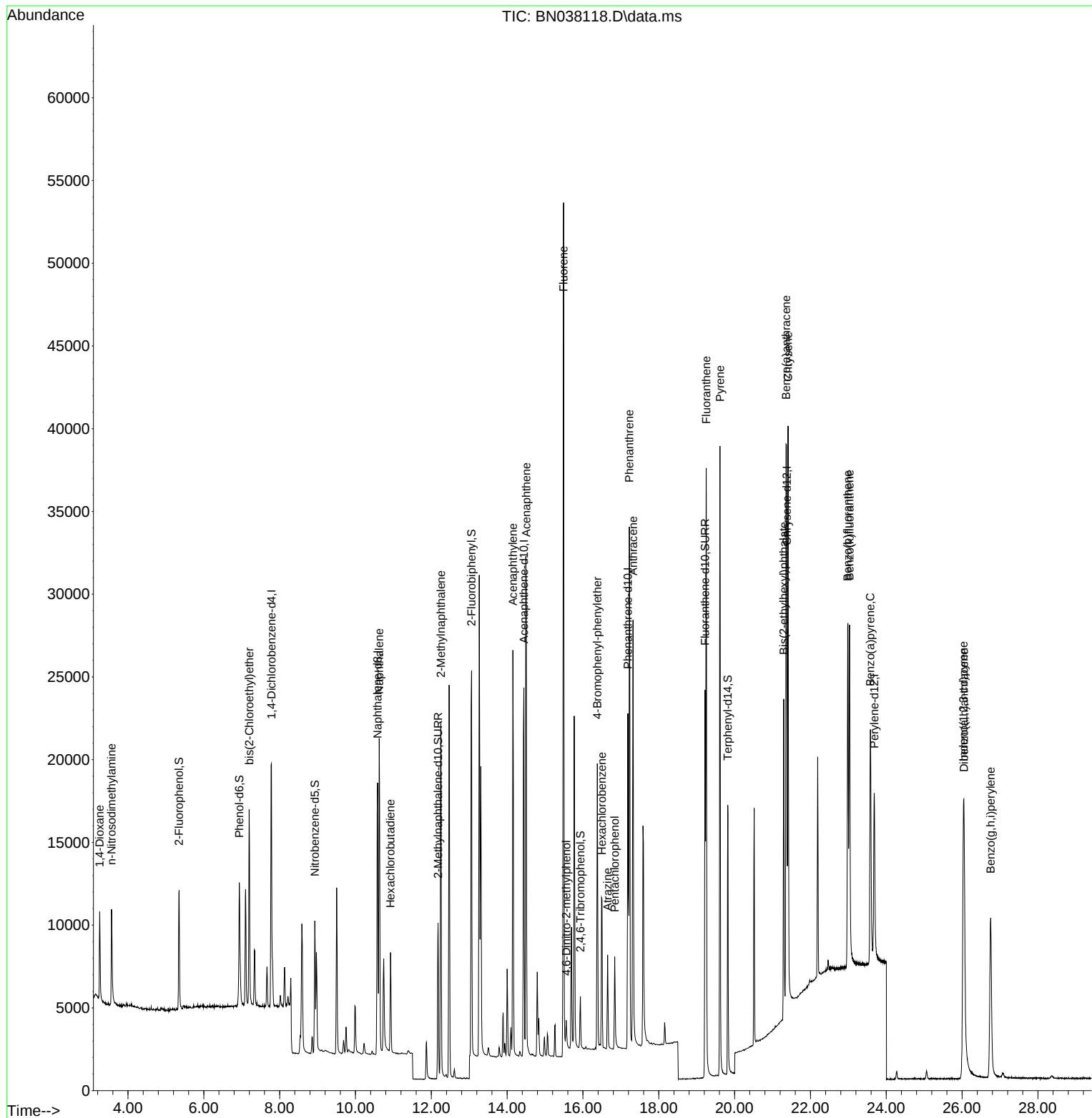
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	7698	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	23240	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	13297	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	26273	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18729	0.400	ng	0.00
35) Perylene-d12	23.683	264	15660	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	6665	0.368	ng	0.00
5) Phenol-d6	6.937	99	7743	0.351	ng	0.00
8) Nitrobenzene-d5	8.929	82	6617	0.353	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	13607	0.410	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1861	0.340	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	21897	0.411	ng	0.01
27) Fluoranthene-d10	19.220	212	25766	0.389	ng	0.00
31) Terphenyl-d14	19.819	244	17430	0.428	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3503	0.440	ng	98
3) n-Nitrosodimethylamine	3.564	42	4071	0.398	ng	# 96
6) bis(2-Chloroethyl)ether	7.197	93	9255	0.427	ng	100
9) Naphthalene	10.626	128	26051	0.407	ng	99
10) Hexachlorobutadiene	10.925	225	4702	0.435	ng	# 98
12) 2-Methylnaphthalene	12.253	142	16372	0.384	ng	98
16) Acenaphthylene	14.152	152	27388	0.455	ng	100
17) Acenaphthene	14.505	154	16777	0.398	ng	99
18) Fluorene	15.489	166	22859	0.414	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	1138	0.411	ng	90
21) 4-Bromophenyl-phenylether	16.379	248	6886	0.400	ng	99
22) Hexachlorobenzene	16.503	284	8349	0.426	ng	98
23) Atrazine	16.652	200	4672	0.370	ng	99
24) Pentachlorophenol	16.838	266	2963	0.351	ng	97
25) Phenanthrene	17.223	178	33992	0.408	ng	99
26) Anthracene	17.322	178	29654	0.406	ng	99
28) Fluoranthene	19.253	202	35401	0.380	ng	99
30) Pyrene	19.615	202	35647	0.422	ng	100
32) Benzo(a)anthracene	21.358	228	26833	0.402	ng	100
33) Chrysene	21.411	228	31031	0.428	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	12587	0.358	ng	99
36) Indeno(1,2,3-cd)pyrene	26.037	276	26115	0.406	ng	98
37) Benzo(b)fluoranthene	22.984	252	27124	0.405	ng	97
38) Benzo(k)fluoranthene	23.031	252	29583	0.439	ng	98
39) Benzo(a)pyrene	23.581	252	23400	0.437	ng	# 95
40) Dibenzo(a,h)anthracene	26.051	278	19931	0.403	ng	97
41) Benzo(g,h,i)perylene	26.756	276	22180	0.392	ng	98

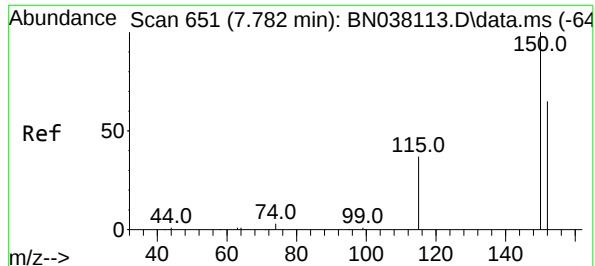
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038118.D
Acq On : 28 Oct 2025 17:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN102825

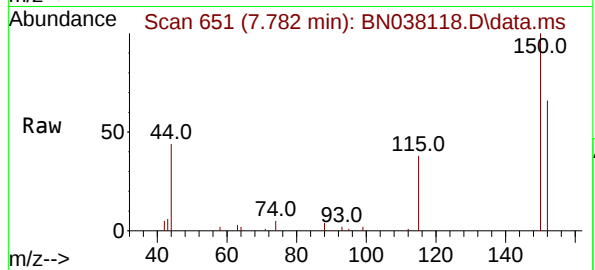
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



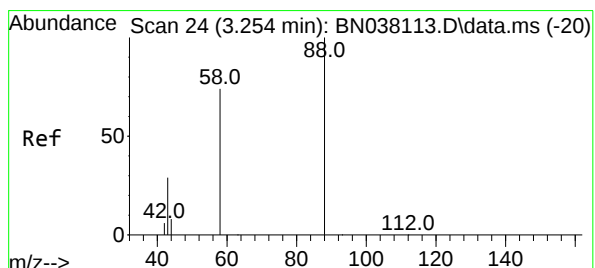
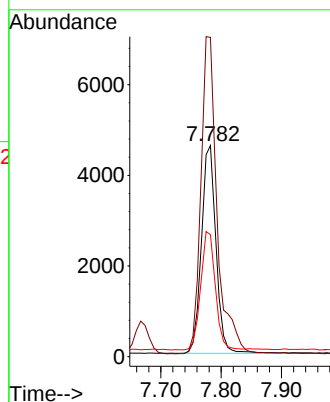
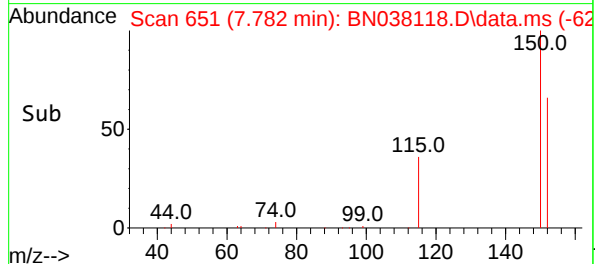


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

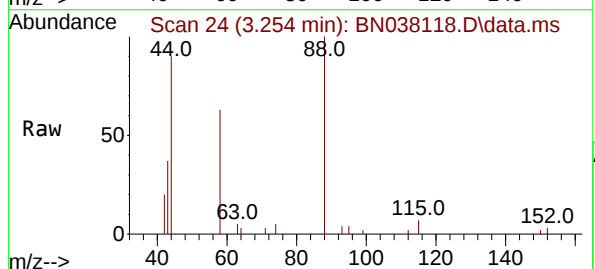
Instrument :
BNA_N
ClientSampleId :
ICVBN102825



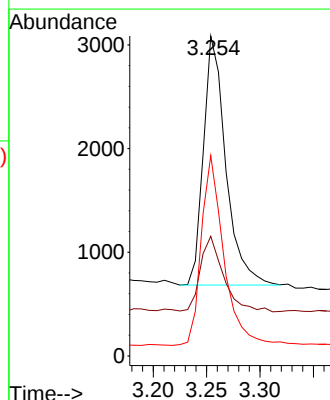
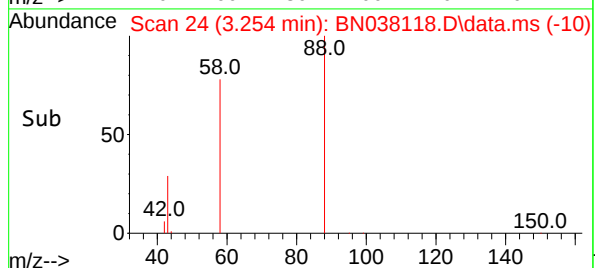
Tgt Ion:152 Resp: 7698
Ion Ratio Lower Upper
152 100
150 151.3 122.3 183.5
115 57.8 47.4 71.0

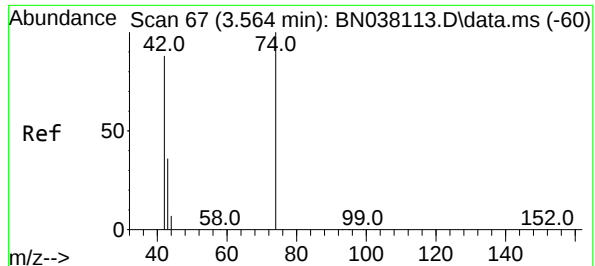


#2
1,4-Dioxane
Concen: 0.440 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51



Tgt Ion: 88 Resp: 3503
Ion Ratio Lower Upper
88 100
43 31.0 24.3 36.5
58 77.1 60.4 90.6

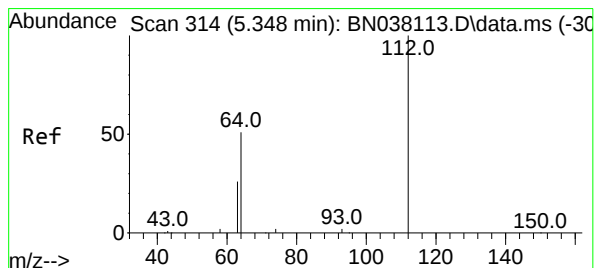
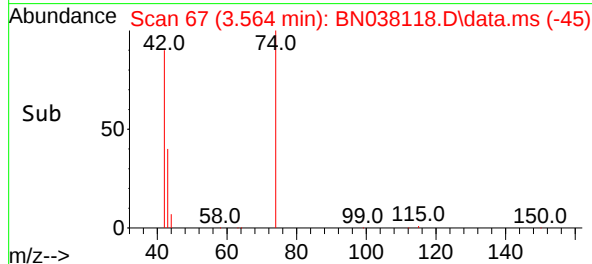
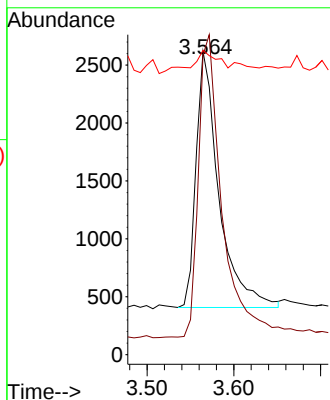
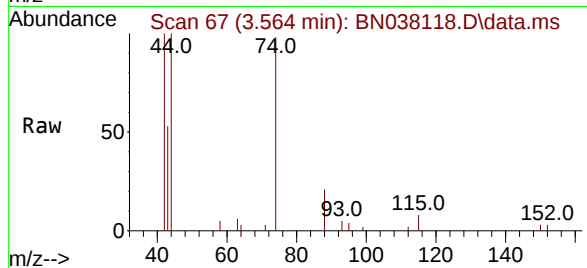




#3
n-Nitrosodimethylamine
Concen: 0.398 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

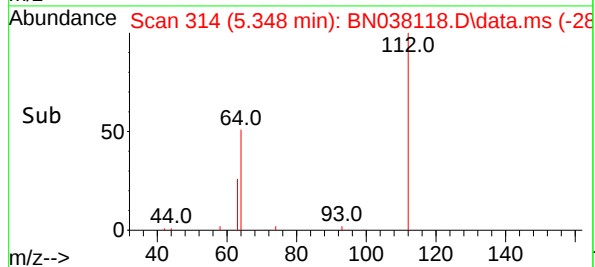
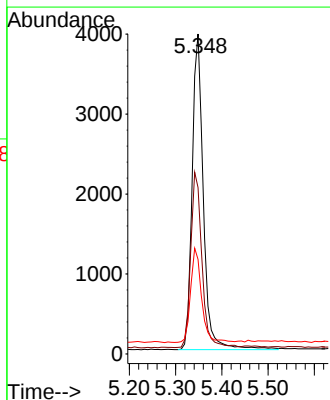
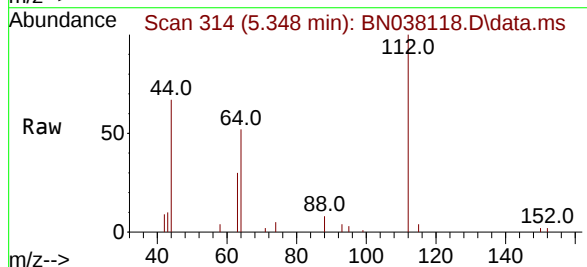
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ClientSampleId :
ICVBN102825

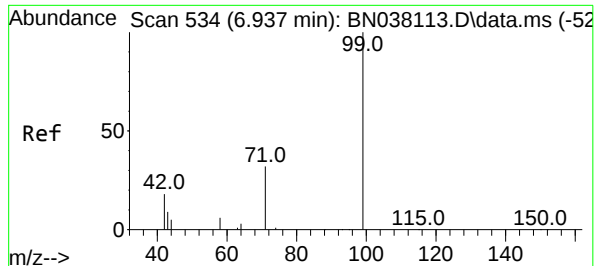
Tgt Ion: 42 Resp: 4071
Ion Ratio Lower Upper
42 100
74 124.8 96.8 145.2
44 10.5 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 112 Resp: 6665
Ion Ratio Lower Upper
112 100
64 55.4 45.4 68.0
63 29.1 23.2 34.8

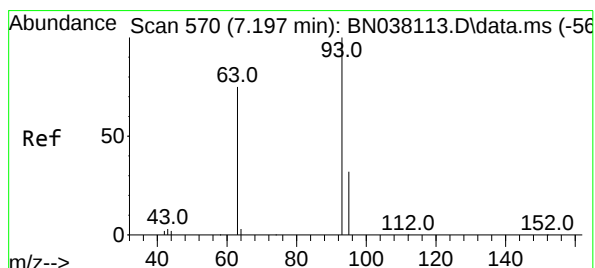
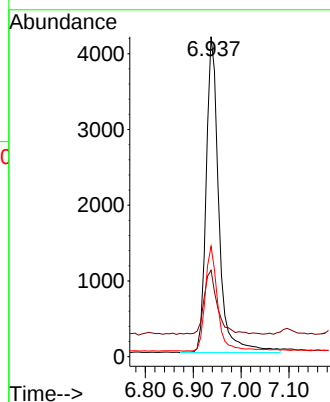
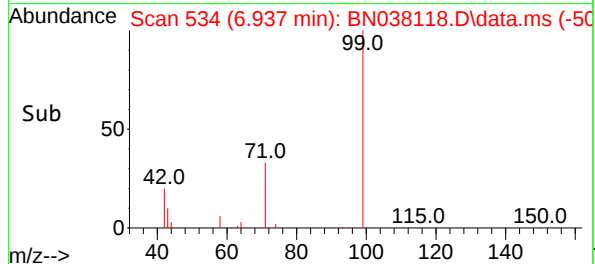
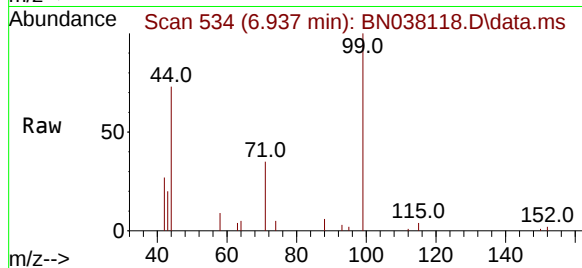




#5
Phenol-d6
Concen: 0.351 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

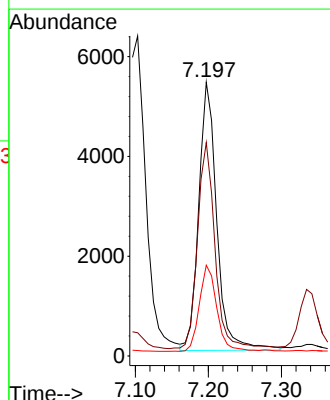
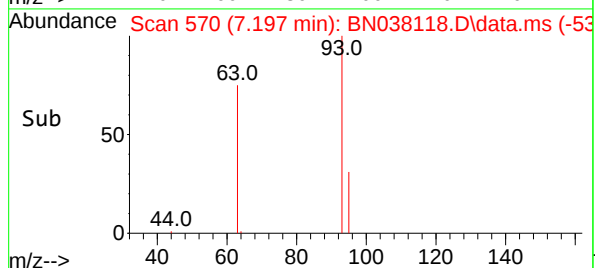
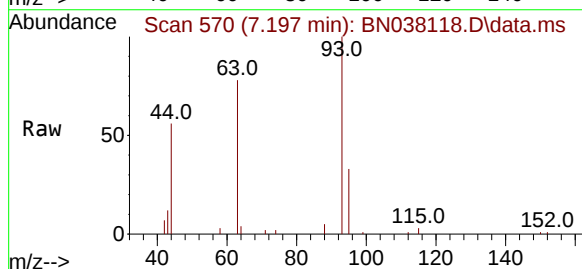
Instrument :
BNA_N
ClientSampleId :
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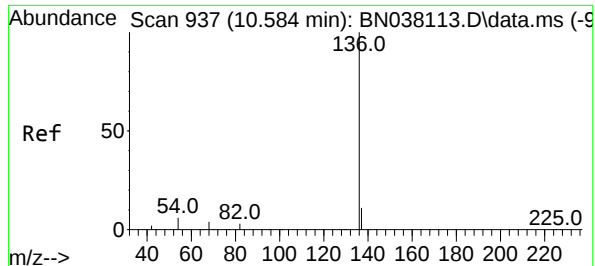
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	24.8
71	33.2	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.427 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	Ratio	Lower	Upper
93	100		
63	73.9	59.3	88.9
95	30.9	25.2	37.8

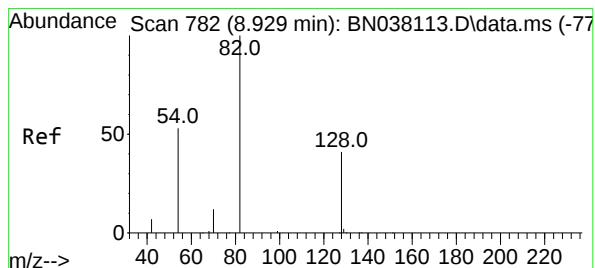
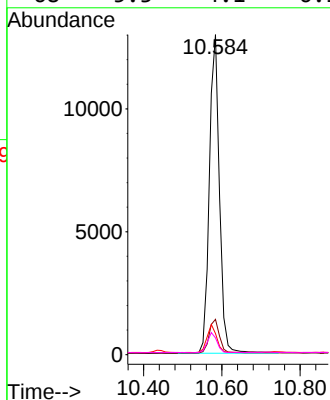
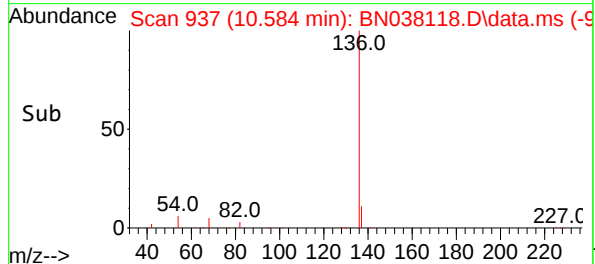
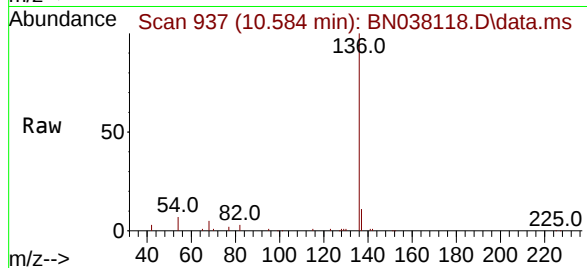




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

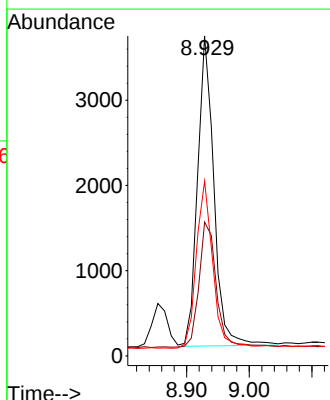
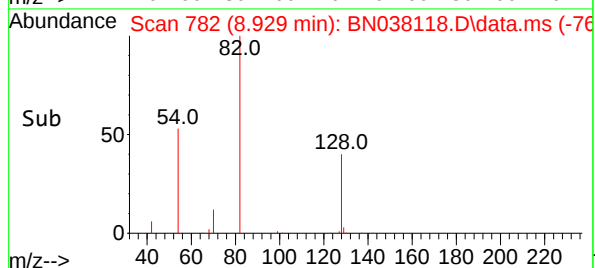
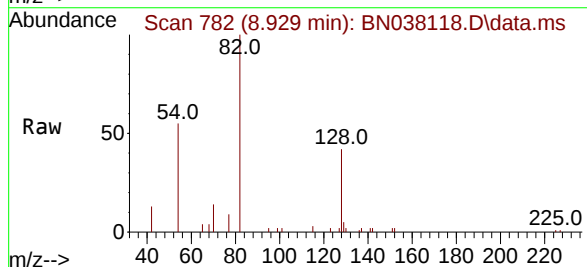
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

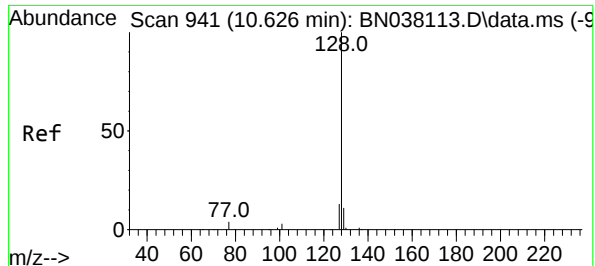
Tgt Ion:	136	Resp:	23240
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	5.2	7.8
68	5.3	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:	82	Resp:	6617
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.1	51.1
54	54.7	43.5	65.3

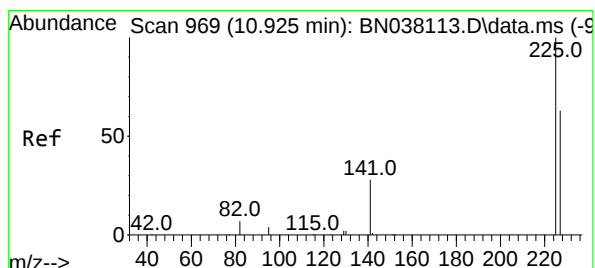
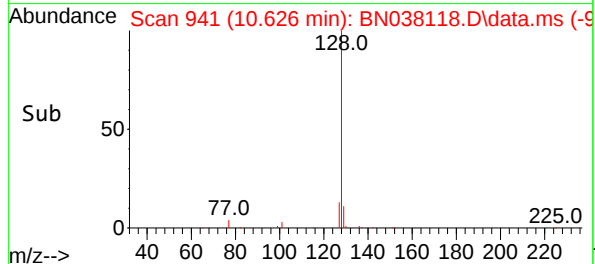
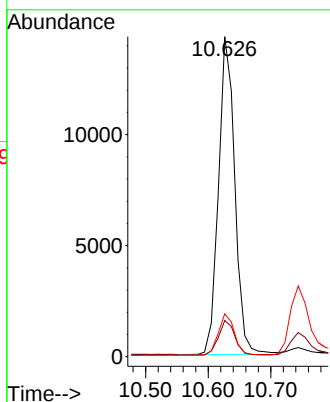
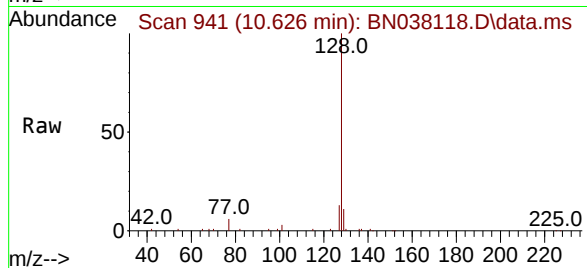




#9
Naphthalene
Concen: 0.407 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

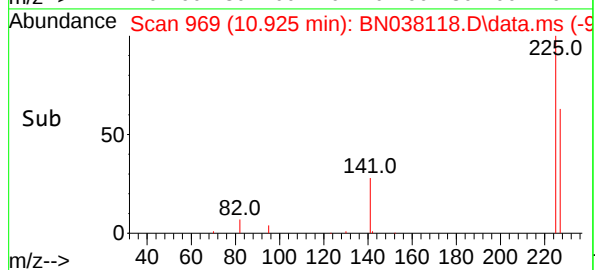
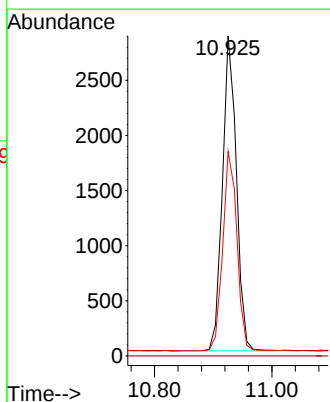
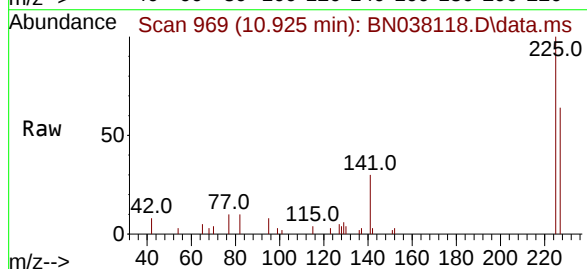
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

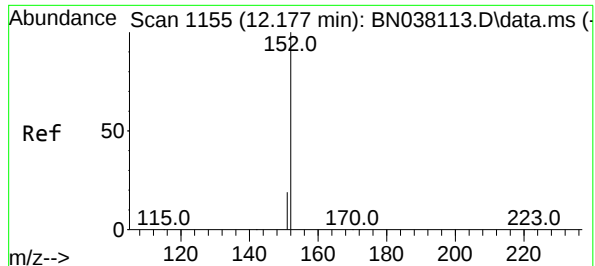
Tgt Ion	128	129	127
Resp:	26051		
Ion Ratio	100	11.3	13.4
Lower		9.1	10.5
Upper		13.7	15.7



#10
Hexachlorobutadiene
Concen: 0.435 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	225	223	227
Resp:	4702		
Ion Ratio	100	0.0	64.4
Lower		0.0	50.3
Upper		0.0	75.5

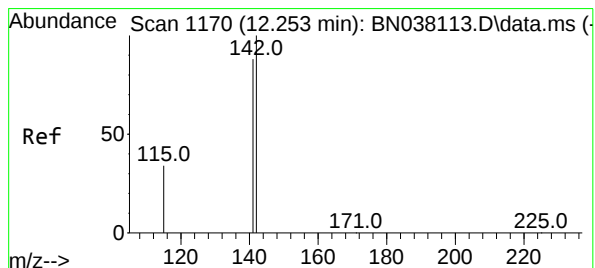
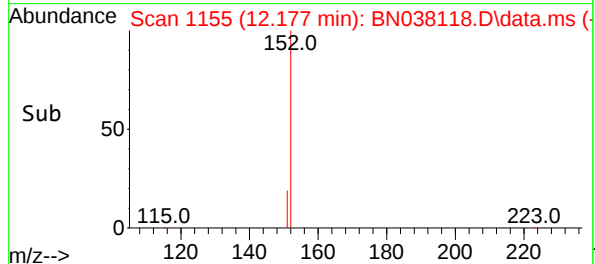
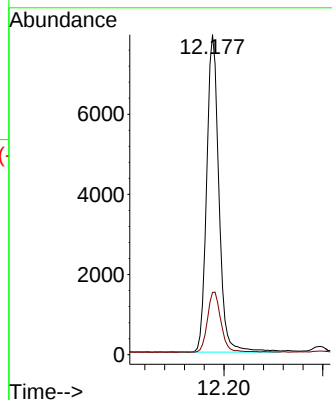
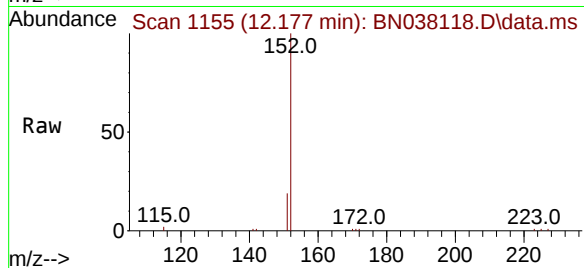




#11
2-Methylnaphthalene-d10
Concen: 0.410 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

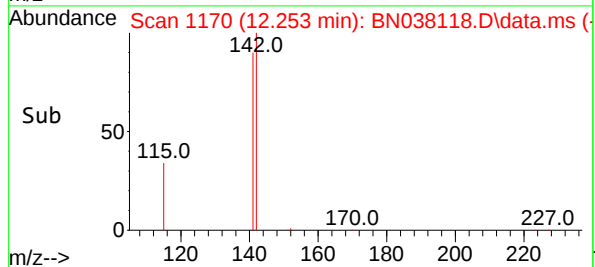
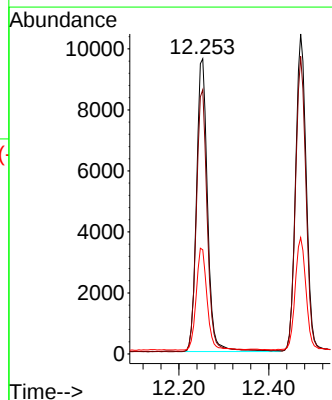
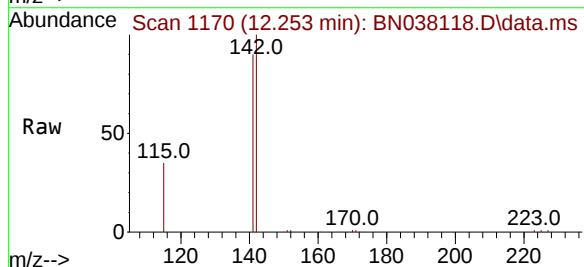
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

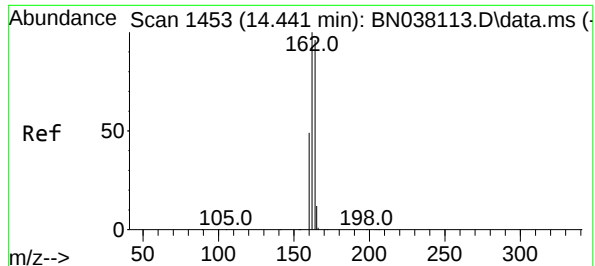
Tgt Ion:152 Resp: 13607
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:142 Resp: 16372
Ion Ratio Lower Upper
142 100
141 89.5 70.3 105.5
115 35.3 27.8 41.6

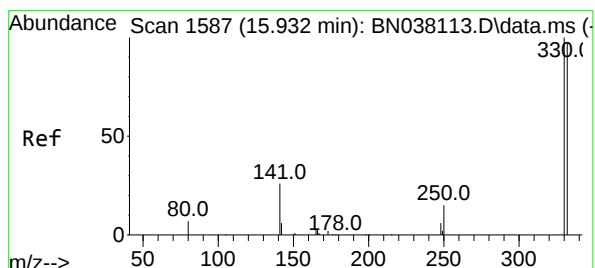
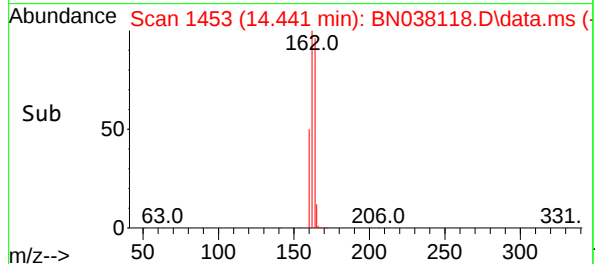
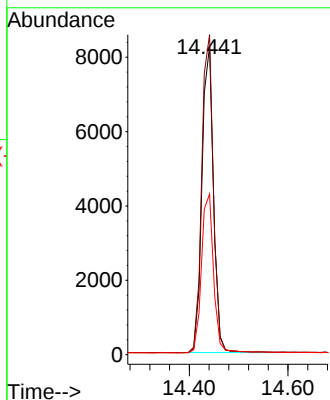
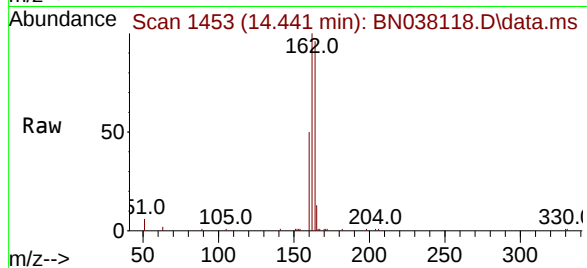




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

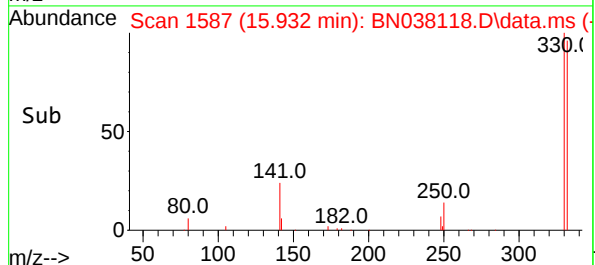
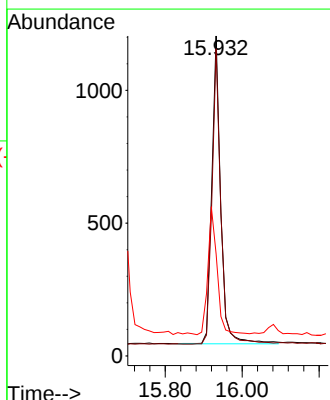
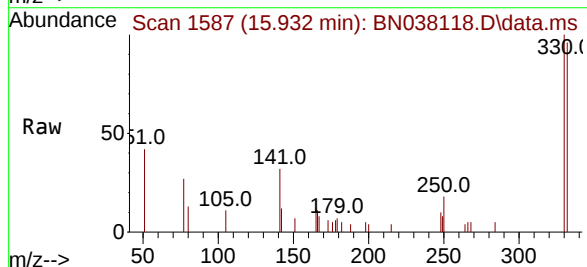
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

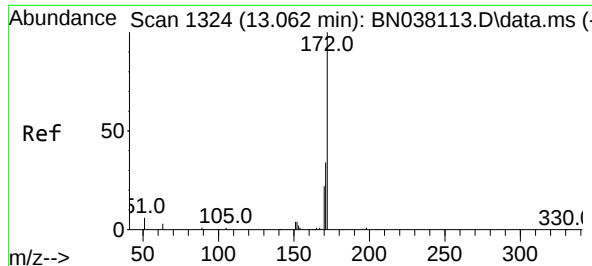
Tgt Ion:164 Resp: 13297
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 52.0 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:330 Resp: 1861
Ion Ratio Lower Upper
330 100
332 94.5 76.6 114.8
141 43.0 34.1 51.1

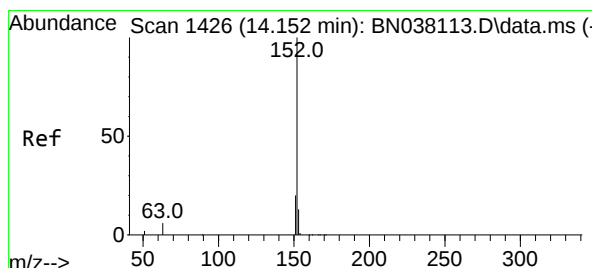
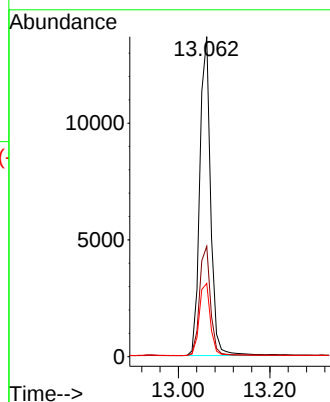
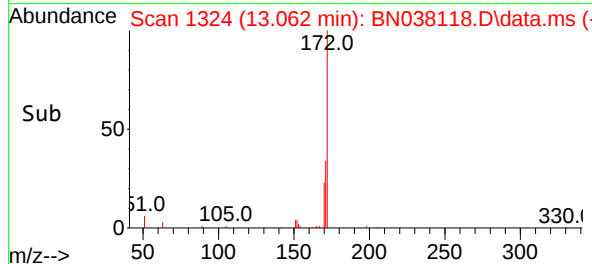
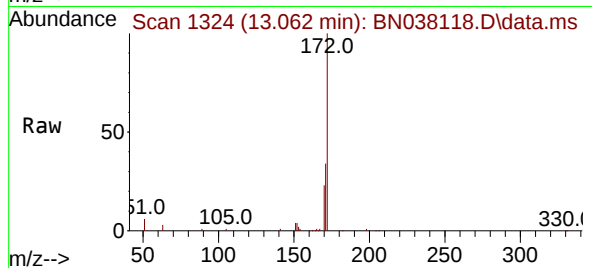




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

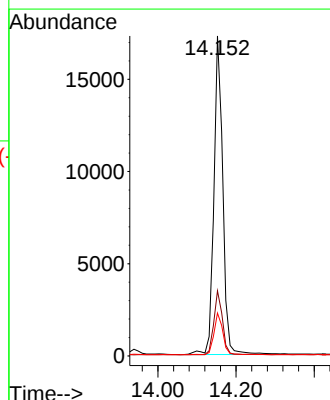
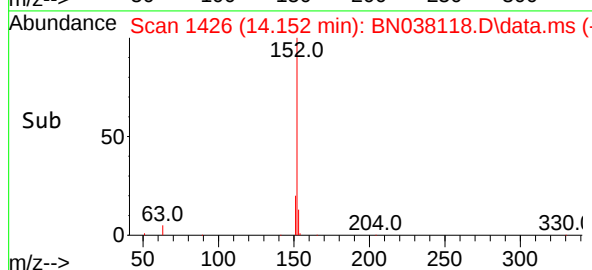
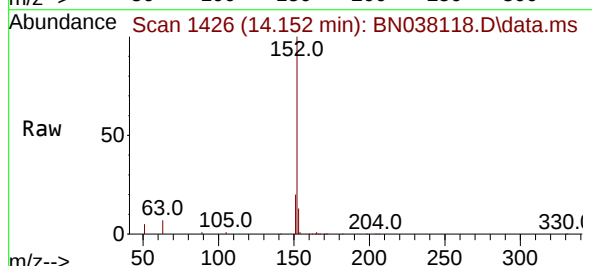
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

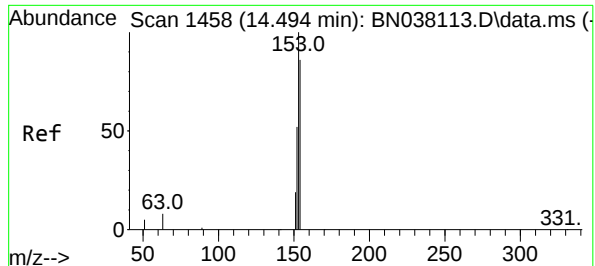
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.9	18.1	27.1



#16
Acenaphthylene
Concen: 0.455 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.2	15.2

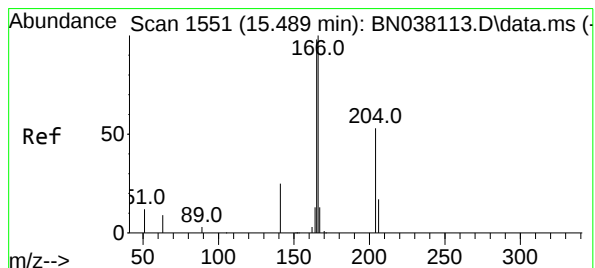
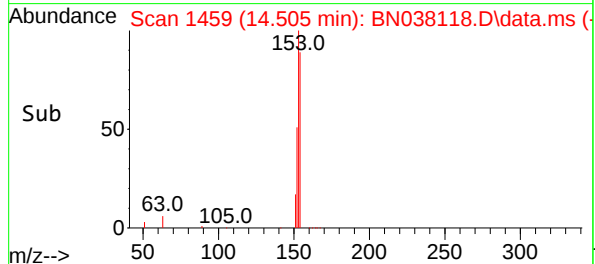
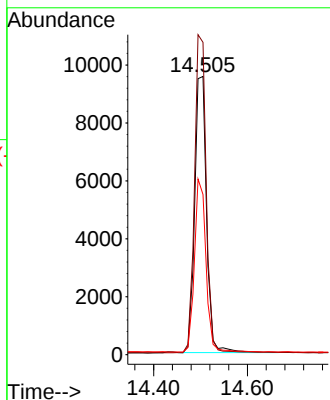
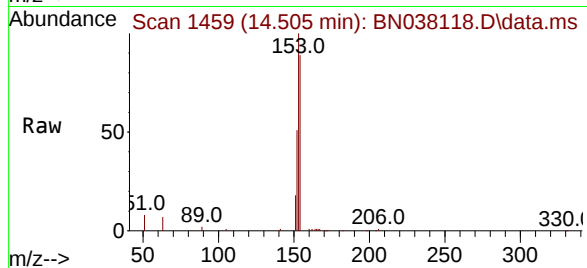




#17
Acenaphthene
Concen: 0.398 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

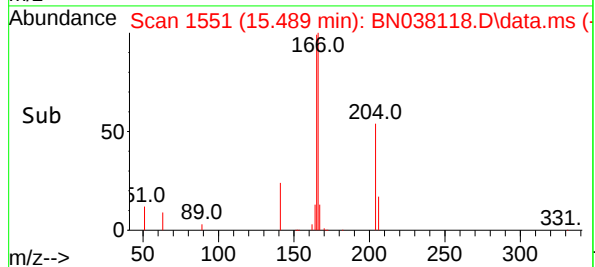
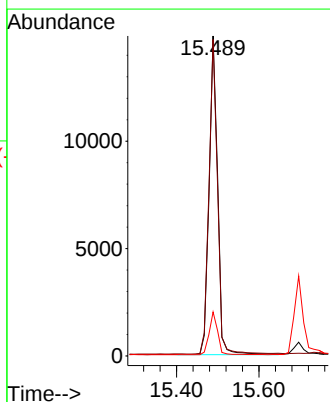
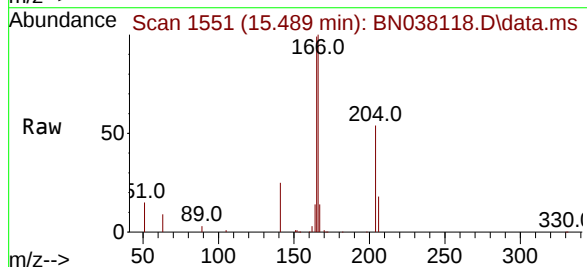
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

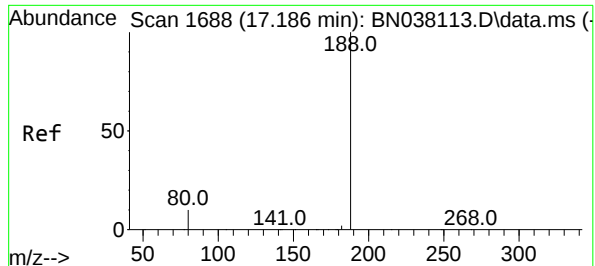
Tgt Ion:154 Resp: 16777
Ion Ratio Lower Upper
154 100
153 113.6 90.0 135.0
152 60.6 47.3 70.9



#18
Fluorene
Concen: 0.414 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:166 Resp: 22859
Ion Ratio Lower Upper
166 100
165 99.9 79.0 118.4
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

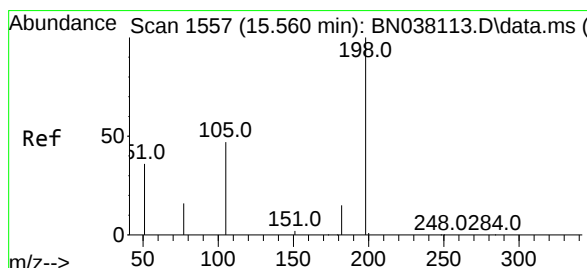
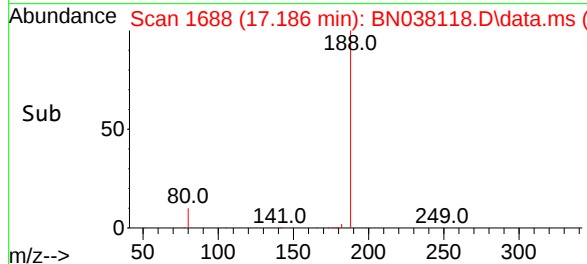
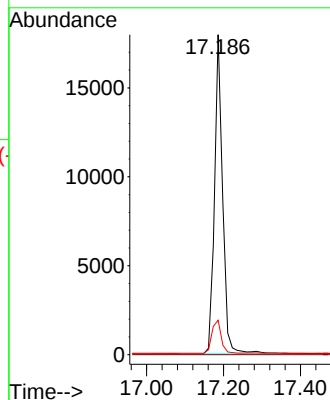
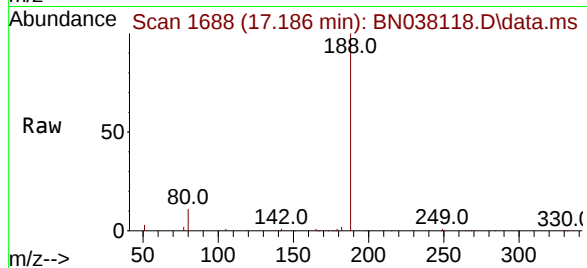
Tgt Ion:188 Resp: 26273

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.411 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

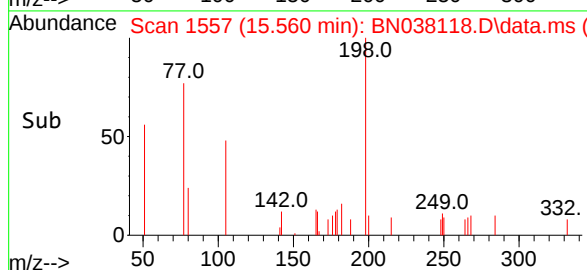
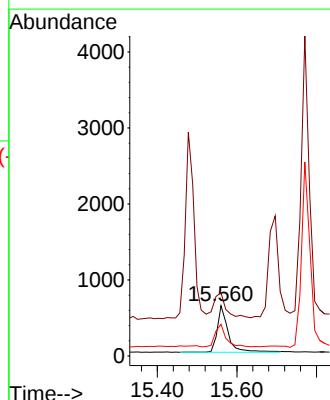
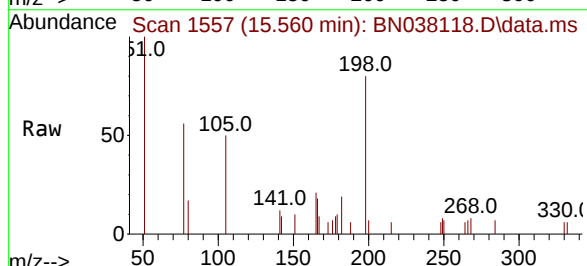
Tgt Ion:198 Resp: 1138

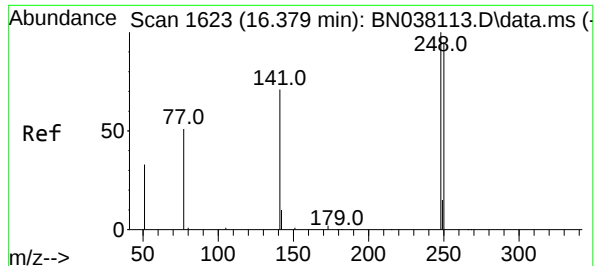
Ion Ratio Lower Upper

198 100

51 125.7 88.9 133.3

105 63.1 49.2 73.8

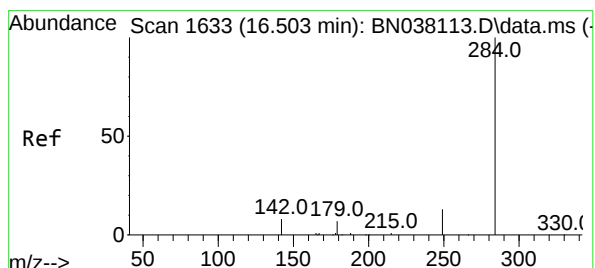
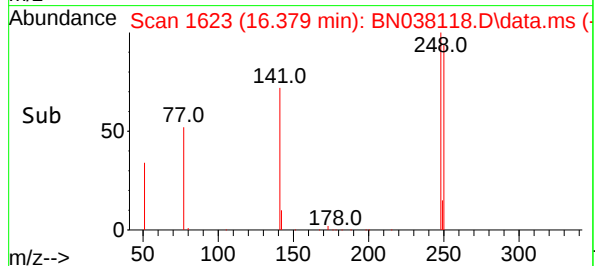
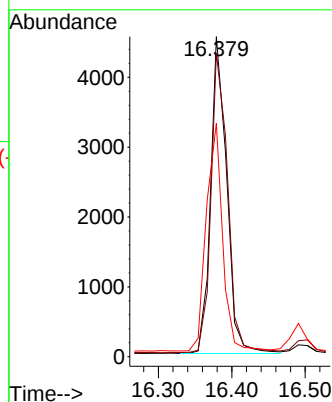
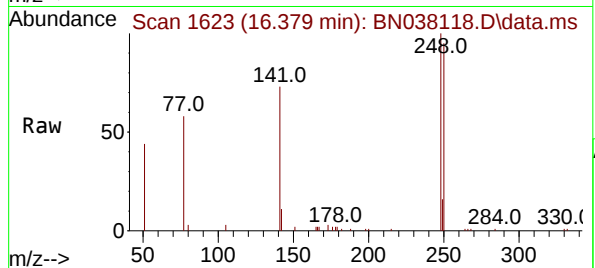




#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

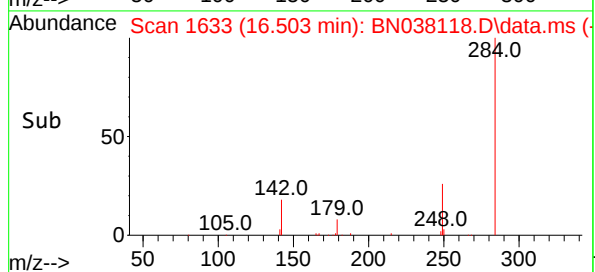
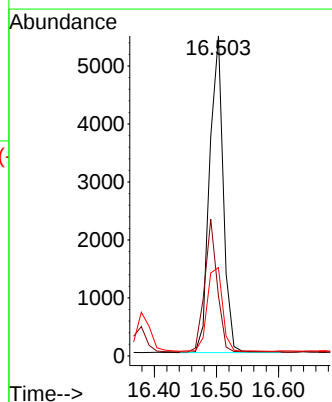
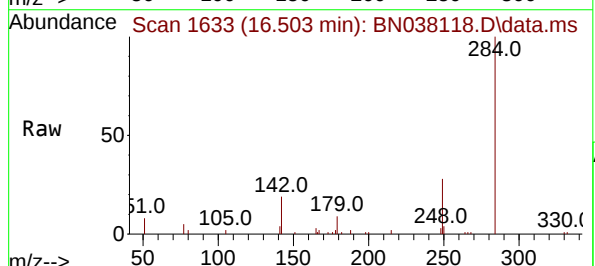
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

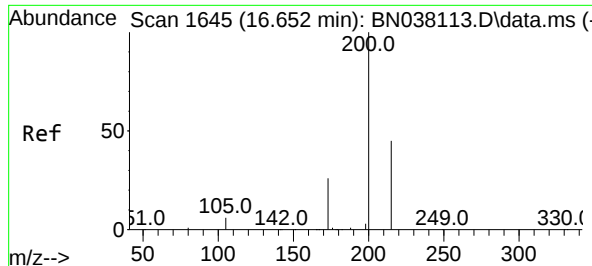
Tgt Ion:248 Resp: 6886
Ion Ratio Lower Upper
248 100
250 94.8 76.2 114.2
141 73.0 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:284 Resp: 8349
Ion Ratio Lower Upper
284 100
142 39.2 30.5 45.7
249 30.0 23.5 35.3

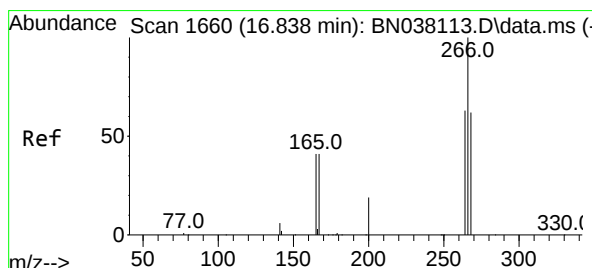
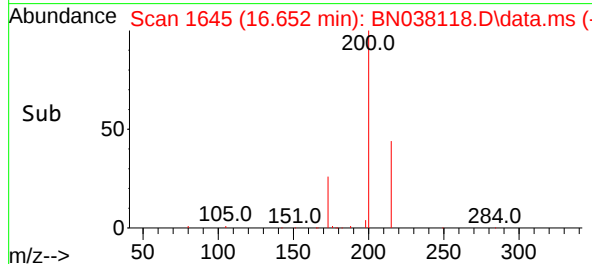
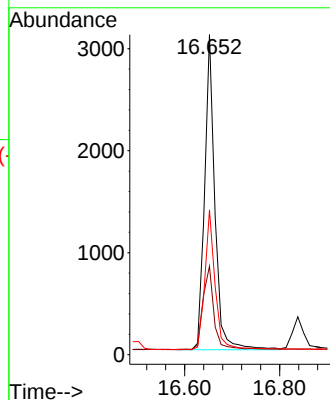
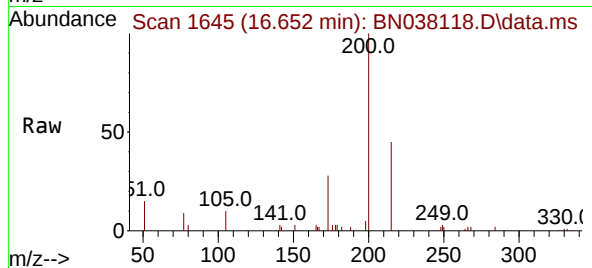




#23
Atrazine
Concen: 0.370 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

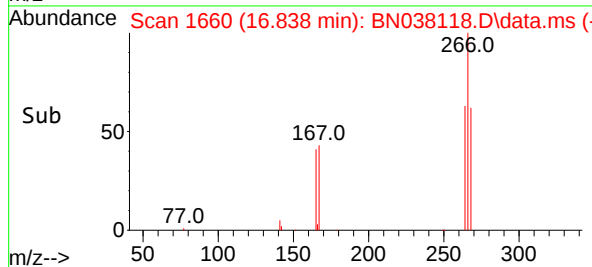
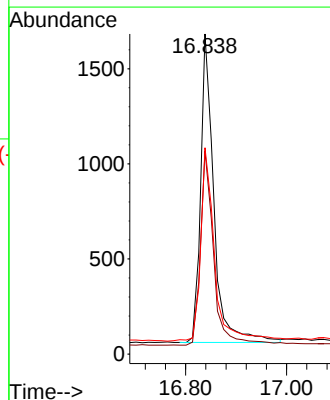
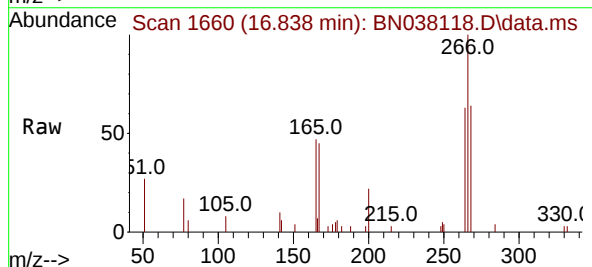
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

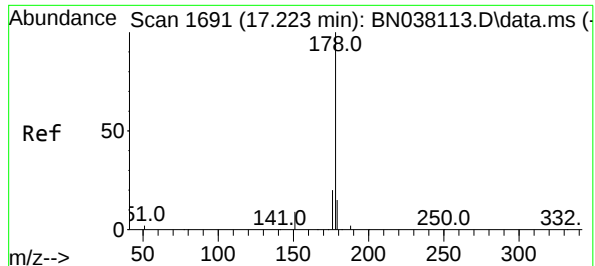
Tgt Ion:200 Resp: 4672
Ion Ratio Lower Upper
200 100
173 27.7 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 0.351 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:266 Resp: 2963
Ion Ratio Lower Upper
266 100
264 62.7 49.3 73.9
268 66.0 50.6 75.8

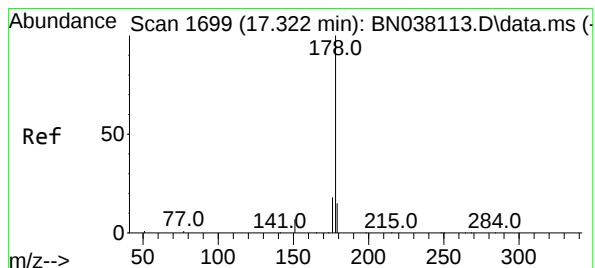
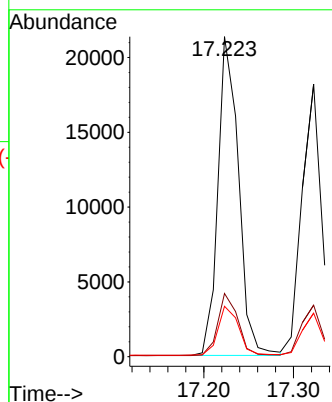
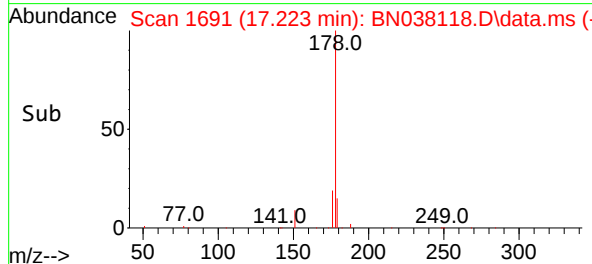
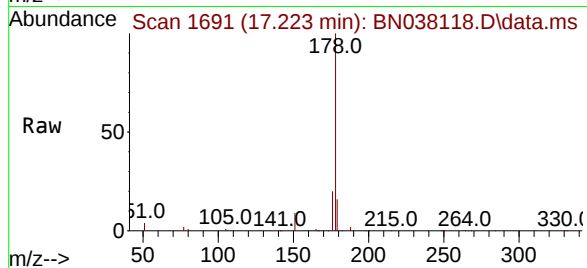




#25
Phenanthrene
Concen: 0.408 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

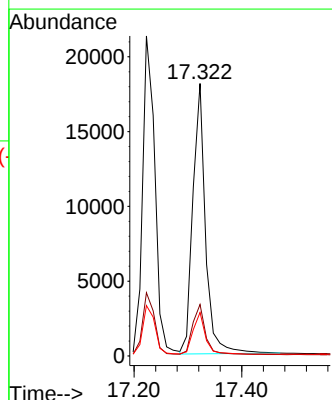
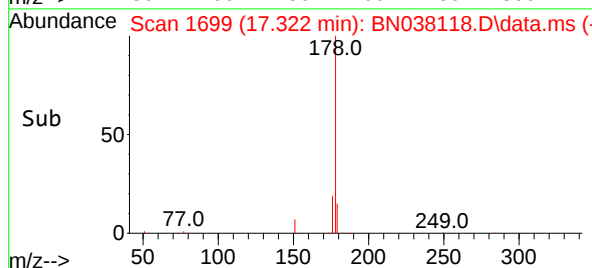
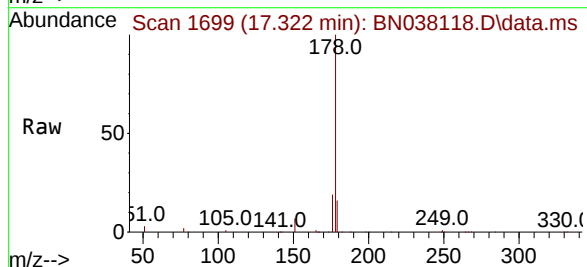
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

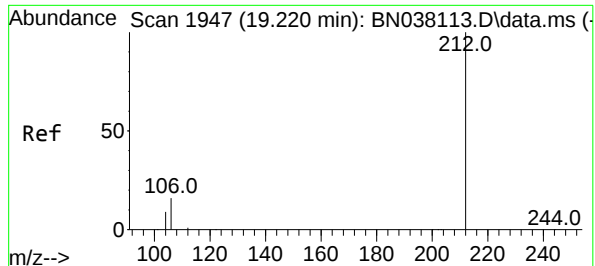
Tgt Ion:178 Resp: 33992
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.2 18.4



#26
Anthracene
Concen: 0.406 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:178 Resp: 29654
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.3 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

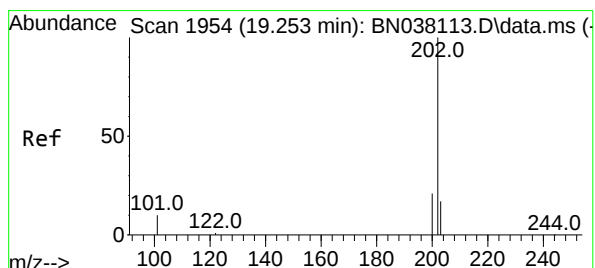
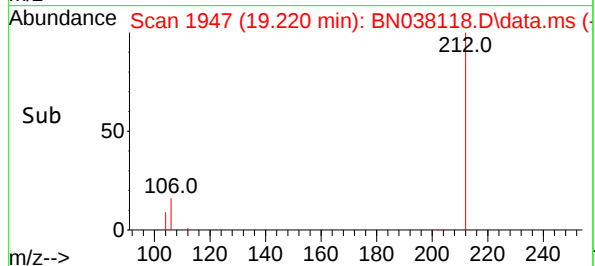
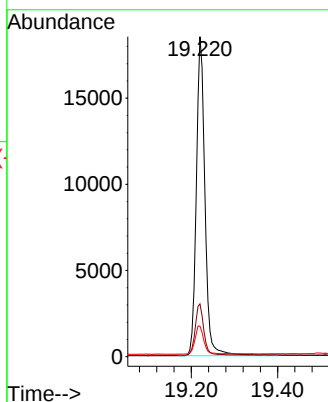
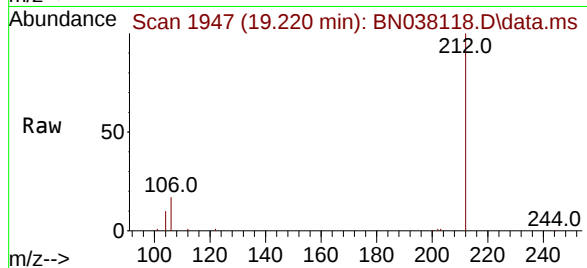
Tgt Ion:212 Resp: 25766

Ion Ratio Lower Upper

212 100

106 16.1 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.380 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

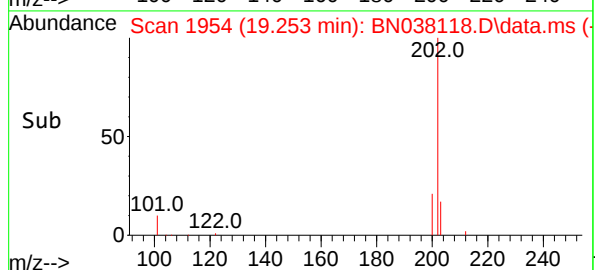
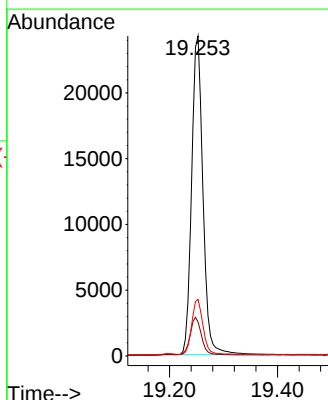
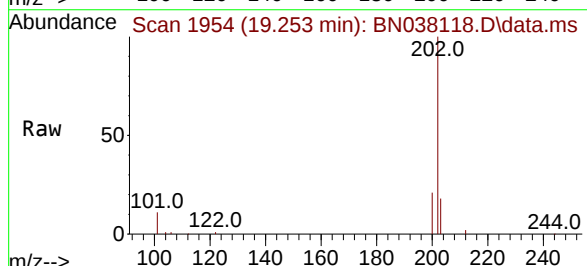
Tgt Ion:202 Resp: 35401

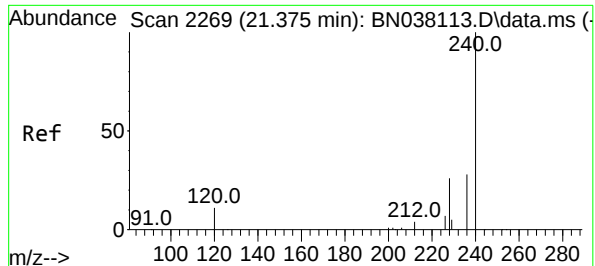
Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

203 17.1 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

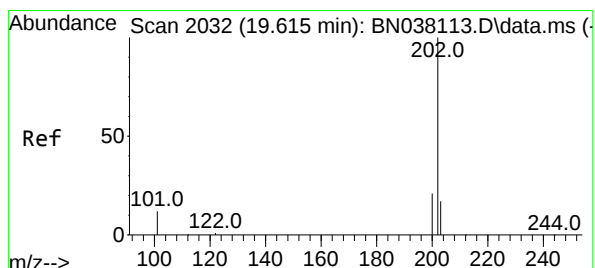
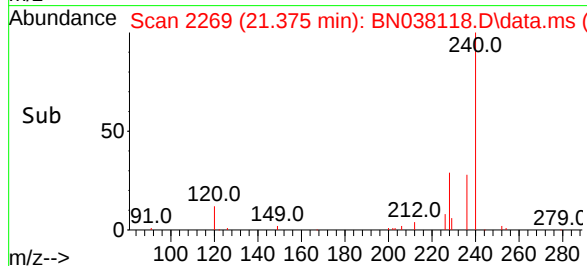
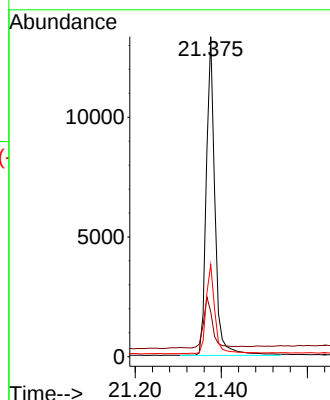
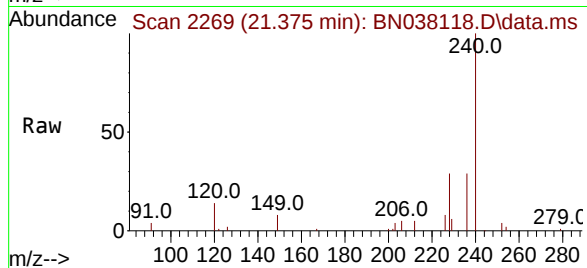
Tgt Ion:240 Resp: 18729

Ion Ratio Lower Upper

240 100

120 14.0 10.7 16.1

236 28.8 23.1 34.7



#30

Pyrene

Concen: 0.422 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

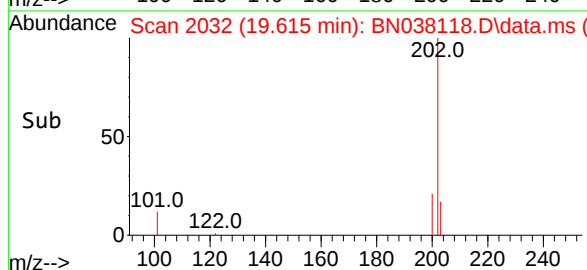
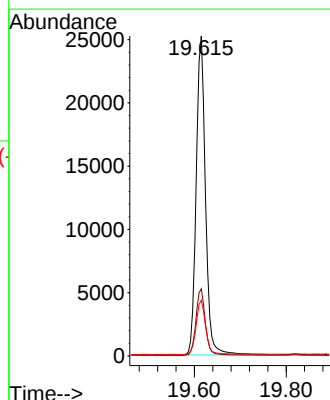
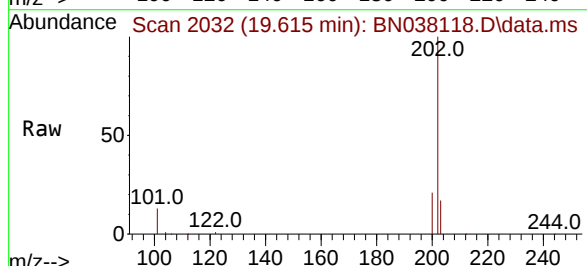
Tgt Ion:202 Resp: 35647

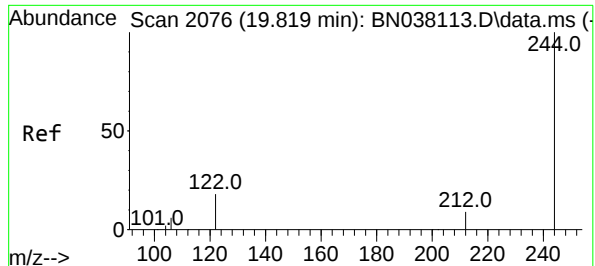
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

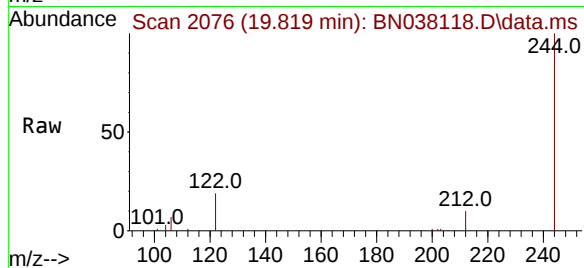
203 17.6 14.2 21.2



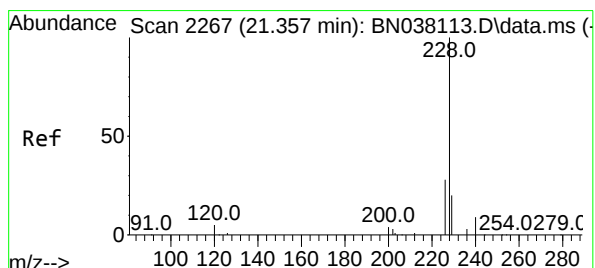
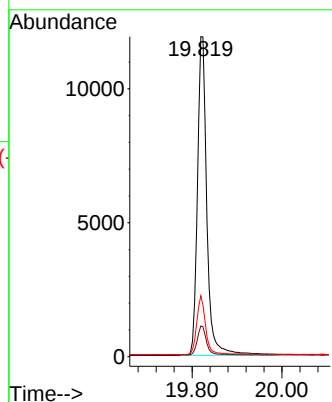
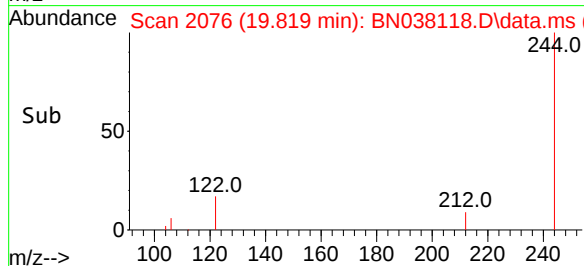


#31
Terphenyl-d14
Concen: 0.428 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Instrument :
BNA_N
ClientSampleId :
ICVBN102825

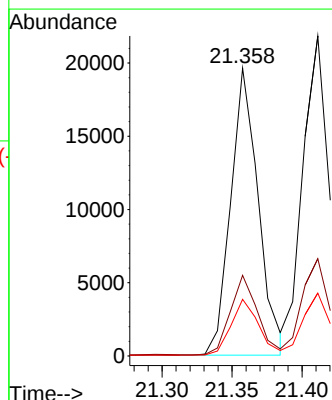
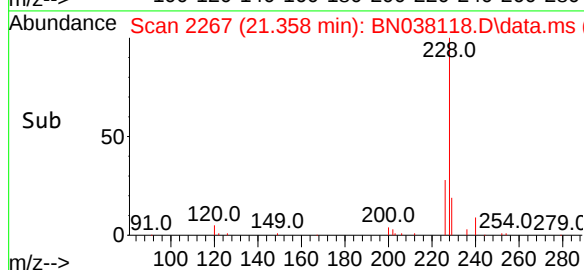
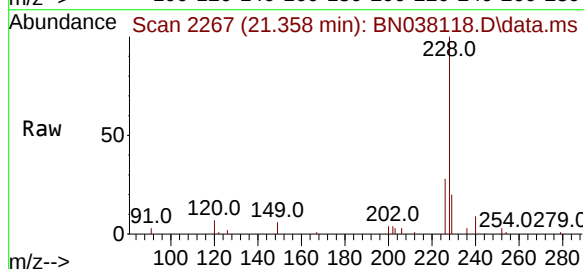


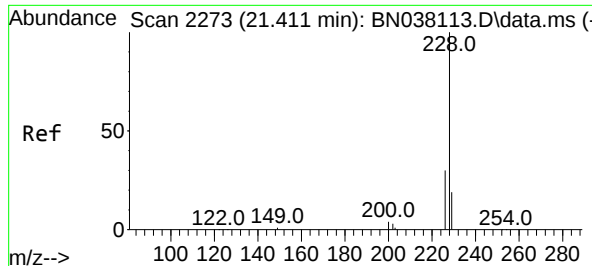
Tgt Ion:244 Resp: 17430
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 19.1 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:228 Resp: 26833
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 19.7 15.8 23.8





#33

Chrysene

Concen: 0.428 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

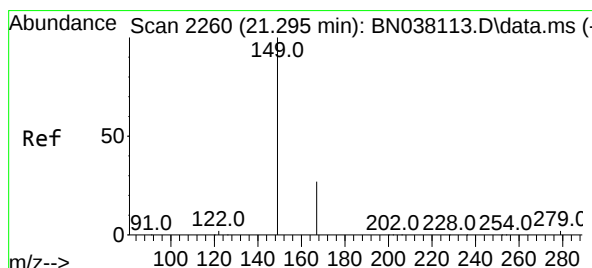
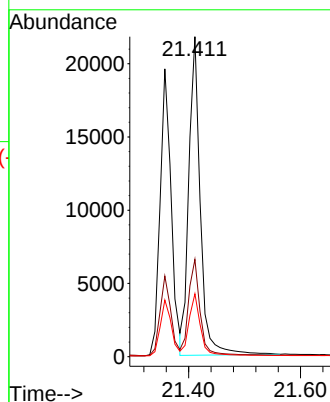
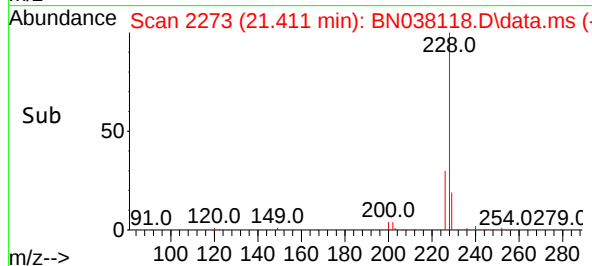
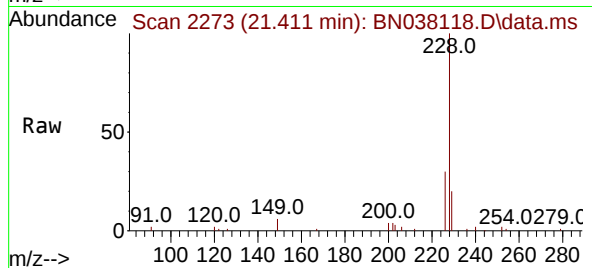
Tgt Ion:228 Resp: 31031

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.6 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.358 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

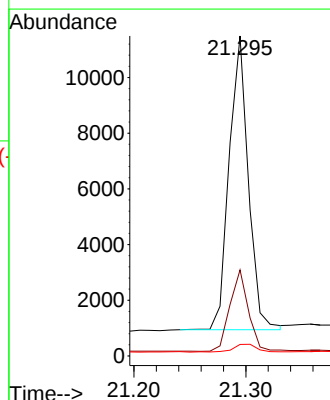
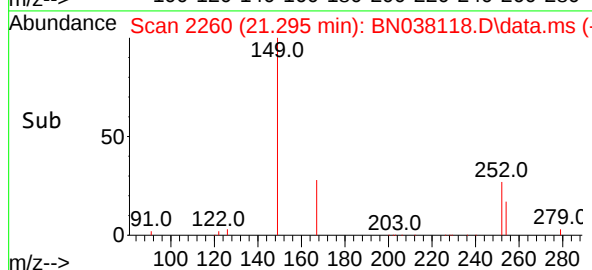
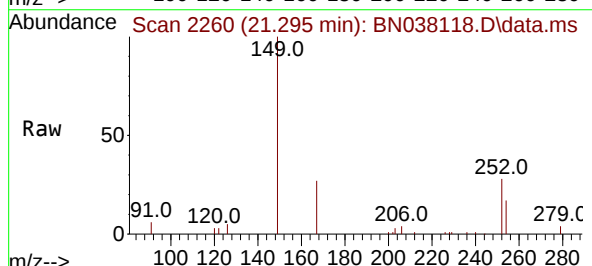
Tgt Ion:149 Resp: 12587

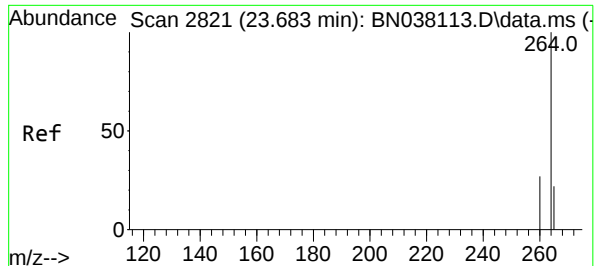
Ion Ratio Lower Upper

149 100

167 27.0 21.1 31.7

279 3.4 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 2821

Delta R.T. 0.003 min

Lab File: BN038118.D

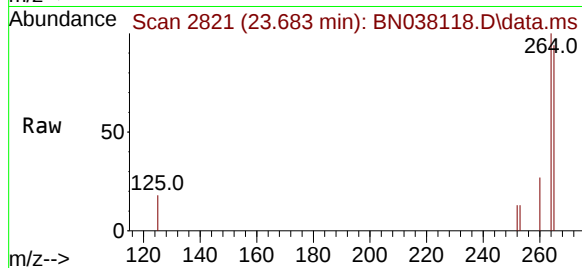
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



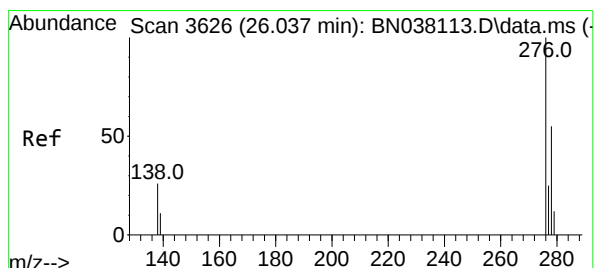
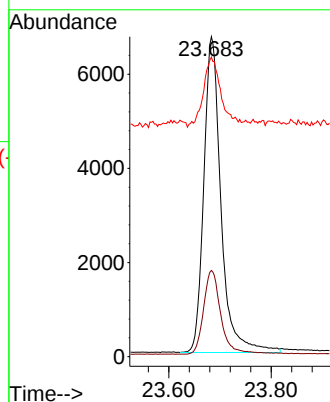
Tgt Ion:264 Resp: 15660

Ion Ratio Lower Upper

264 100

260 27.0 21.8 32.8

265 93.6 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

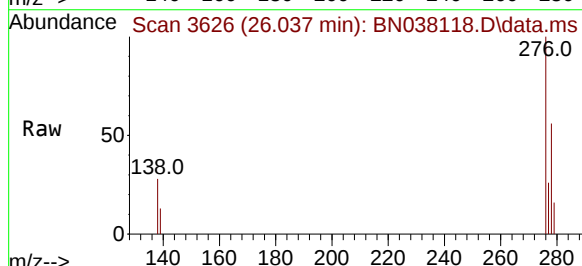
Concen: 0.406 ng

RT: 26.037 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51



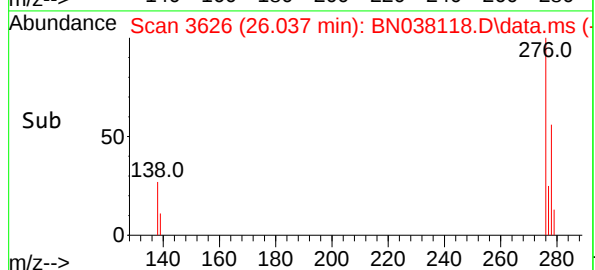
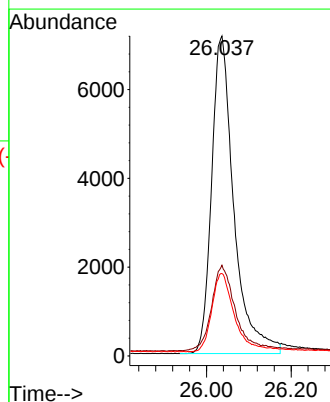
Tgt Ion:276 Resp: 26115

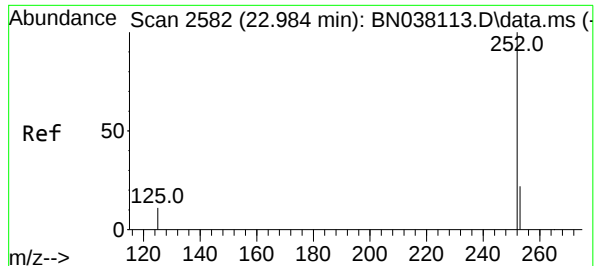
Ion Ratio Lower Upper

276 100

138 27.9 21.4 32.0

277 24.8 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.405 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038118.D

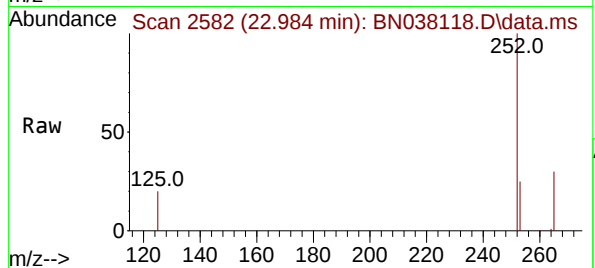
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



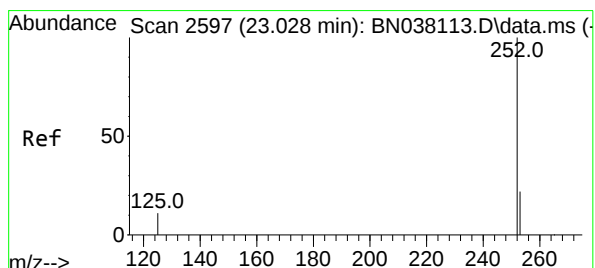
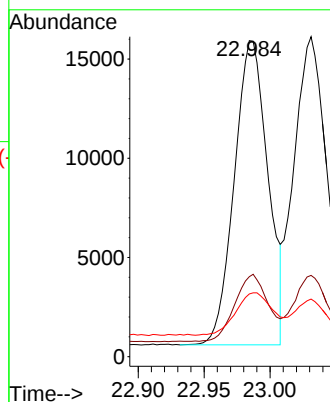
Tgt Ion:252 Resp: 27124

Ion Ratio Lower Upper

252 100

253 25.3 20.9 31.3

125 19.9 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.439 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

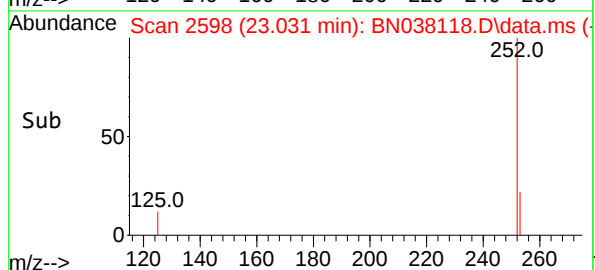
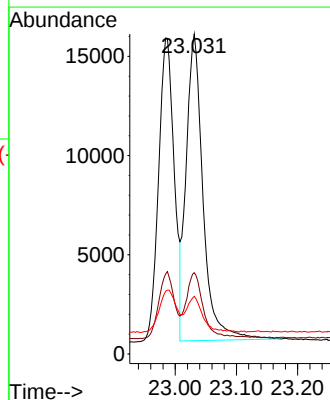
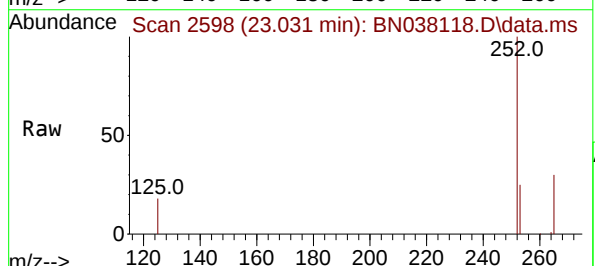
Tgt Ion:252 Resp: 29583

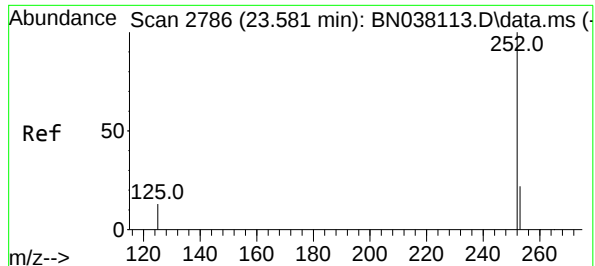
Ion Ratio Lower Upper

252 100

253 25.4 21.2 31.8

125 18.0 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.437 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

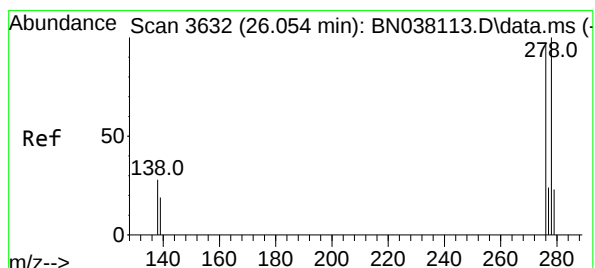
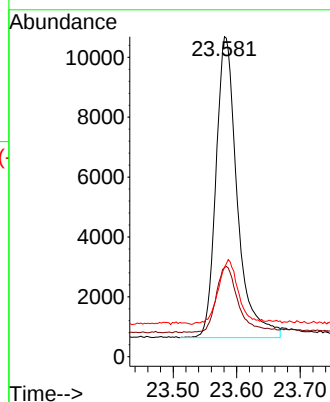
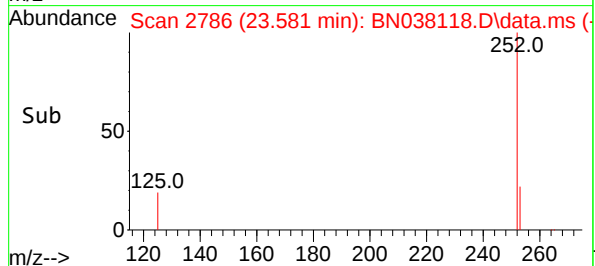
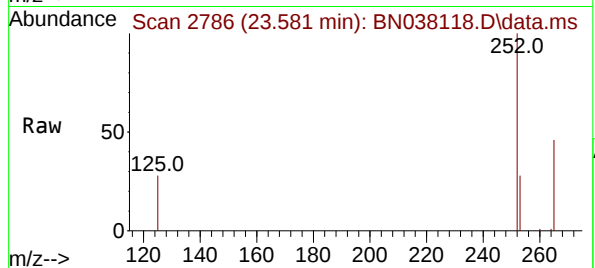
Tgt Ion:252 Resp: 23400

Ion Ratio Lower Upper

252 100

253 27.8 23.1 34.7

125 28.0 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.403 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

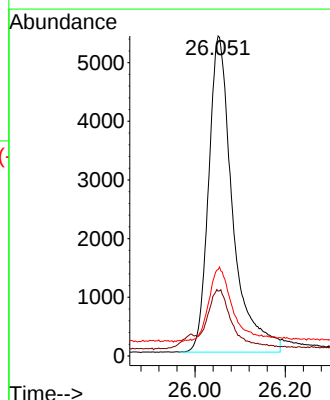
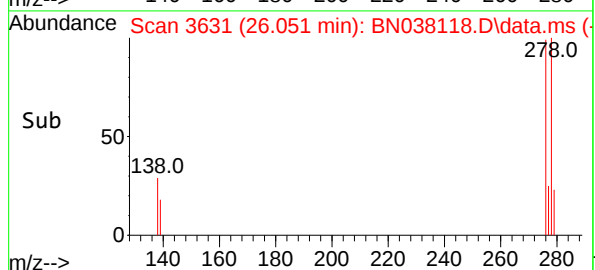
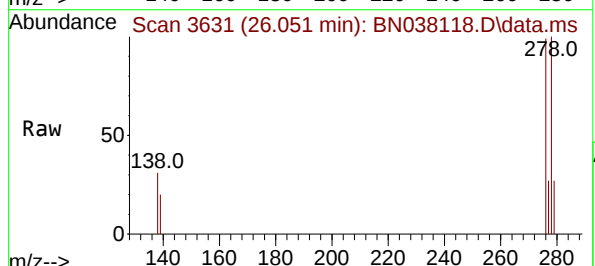
Tgt Ion:278 Resp: 19931

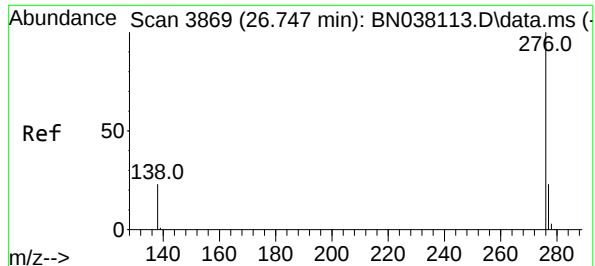
Ion Ratio Lower Upper

278 100

139 20.2 17.6 26.4

279 27.0 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.392 ng

RT: 26.756 min Scan# 3872

Delta R.T. 0.006 min

Lab File: BN038118.D

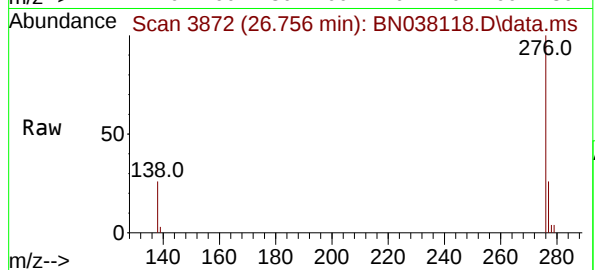
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



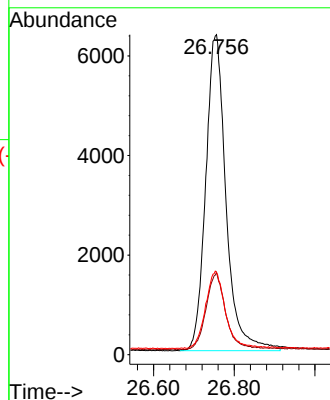
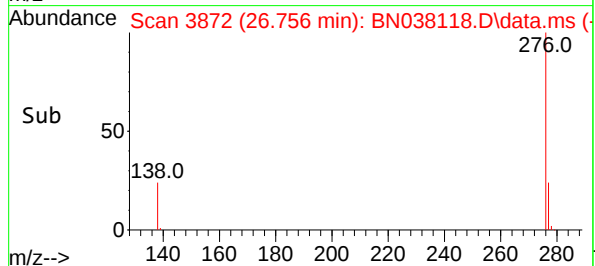
Tgt Ion:276 Resp: 22180

Ion Ratio Lower Upper

276 100

277 25.7 19.7 29.5

138 25.7 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN102825

Quant Time: Oct 29 17:07:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 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	84	0.00
2	1,4-Dioxane	0.413	0.455	-10.2	90	0.00
3	n-Nitrosodimethylamine	0.532	0.529	0.6	82	0.00
4 S	2-Fluorophenol	0.942	0.866	8.1	76	0.00
5 S	Phenol-d6	1.148	1.006	12.4	74	0.00
6	bis(2-Chloroethyl)ether	1.128	1.202	-6.6	89	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	84	0.01
8 S	Nitrobenzene-d5	0.323	0.285	11.8	76	0.00
9	Naphthalene	1.102	1.121	-1.7	87	0.00
10	Hexachlorobutadiene	0.186	0.202	-8.6	91	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.585	-2.5	89	0.00
12	2-Methylnaphthalene	0.735	0.704	4.2	84	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.01
14 S	2,4,6-Tribromophenol	0.165	0.140	15.2	81	0.00
15 S	2-Fluorobiphenyl	1.602	1.647	-2.8	90	0.01
16	Acenaphthylene	1.811	2.060	-13.7	103	0.00
17	Acenaphthene	1.267	1.262	0.4	89	0.01
18	Fluorene	1.661	1.719	-3.5	92	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.043	21.8	86	0.00
21	4-Bromophenyl-phenylether	0.262	0.262	0.0	93	0.00
22	Hexachlorobenzene	0.298	0.318	-6.7	95	0.00
23	Atrazine	0.192	0.178	7.3	90	0.00
24	Pentachlorophenol	0.128	0.113	11.7	93	0.00
25	Phenanthrene	1.270	1.294	-1.9	94	0.00
26	Anthracene	1.111	1.129	-1.6	96	0.00
27 SURR	Fluoranthene-d10	1.009	0.981	2.8	91	0.00
28	Fluoranthene	1.419	1.347	5.1	89	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	87	0.00
30	Pyrene	1.806	1.903	-5.4	90	0.00
31 S	Terphenyl-d14	0.869	0.931	-7.1	93	0.00
32	Benzo(a)anthracene	1.427	1.433	-0.4	92	0.00
33	Chrysene	1.549	1.657	-7.0	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.672	10.6	81	0.00
35 I	Perylene-d12	1.000	1.000	0.0	87	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.668	-1.5	91	0.00
37	Benzo(b)fluoranthene	1.710	1.732	-1.3	93	0.00
38	Benzo(k)fluoranthene	1.721	1.889	-9.8	102	0.00
39 C	Benzo(a)pyrene	1.369	1.494	-9.1	99	0.00
40	Dibenzo(a,h)anthracene	1.265	1.273	-0.6	93	0.00
41	Benzo(g,h,i)perylene	1.444	1.416	1.9	87	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN102825

Quant Time: Oct 29 17:07:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 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	84	0.00
2	1,4-Dioxane	0.400	0.440	-10.0	90	0.00
3	n-Nitrosodimethylamine	0.400	0.398	0.5	82	0.00
4 S	2-Fluorophenol	0.400	0.368	8.0	76	0.00
5 S	Phenol-d6	0.400	0.351	12.3	74	0.00
6	bis(2-Chloroethyl)ether	0.400	0.427	-6.7	89	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	84	0.01
8 S	Nitrobenzene-d5	0.400	0.353	11.8	76	0.00
9	Naphthalene	0.400	0.407	-1.7	87	0.00
10	Hexachlorobutadiene	0.400	0.435	-8.7	91	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.410	-2.5	89	0.00
12	2-Methylnaphthalene	0.400	0.384	4.0	84	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	86	0.01
14 S	2,4,6-Tribromophenol	0.400	0.340	15.0	81	0.00
15 S	2-Fluorobiphenyl	0.400	0.411	-2.7	90	0.01
16	Acenaphthylene	0.400	0.455	-13.7	103	0.00
17	Acenaphthene	0.400	0.398	0.5	89	0.01
18	Fluorene	0.400	0.414	-3.5	92	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	89	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.411	-2.7	86	0.00
21	4-Bromophenyl-phenylether	0.400	0.400	0.0	93	0.00
22	Hexachlorobenzene	0.400	0.426	-6.5	95	0.00
23	Atrazine	0.400	0.370	7.5	90	0.00
24	Pentachlorophenol	0.400	0.351	12.3	93	0.00
25	Phenanthrene	0.400	0.408	-2.0	94	0.00
26	Anthracene	0.400	0.406	-1.5	96	0.00
27 SURR	Fluoranthene-d10	0.400	0.389	2.8	91	0.00
28	Fluoranthene	0.400	0.380	5.0	89	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	87	0.00
30	Pyrene	0.400	0.422	-5.5	90	0.00
31 S	Terphenyl-d14	0.400	0.428	-7.0	93	0.00
32	Benzo(a)anthracene	0.400	0.402	-0.5	92	0.00
33	Chrysene	0.400	0.428	-7.0	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.358	10.5	81	0.00
35 I	Perylene-d12	0.400	0.400	0.0	87	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.406	-1.5	91	0.00
37	Benzo(b)fluoranthene	0.400	0.405	-1.3	93	0.00
38	Benzo(k)fluoranthene	0.400	0.439	-9.7	102	0.00
39 C	Benzo(a)pyrene	0.400	0.437	-9.2	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.403	-0.8	93	0.00
41	Benzo(g,h,i)perylene	0.400	0.392	2.0	87	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3494</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/04/2025 10:40</u>
Lab File ID:	<u>BN038130.D</u>	Init. Calib. Date(s):	<u>10/28/2025 10/28/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>13:00 16:38</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.571	0.541		-5.3	20.0
Fluoranthene-d10	1.008	0.889		-11.8	20.0
2-Fluorophenol	0.943	0.856		-9.2	20.0
Phenol-d6	1.148	1.025		-10.7	20.0
Nitrobenzene-d5	0.323	0.277		-14.2	20.0
2-Fluorobiphenyl	1.602	1.514		-5.5	20.0
2,4,6-Tribromophenol	0.165	0.134		-18.8	20.0
Terphenyl-d14	0.869	0.916		5.4	20.0
Benzo(a)anthracene	1.427	1.303		-8.7	20.0
Benzo(b)fluoranthene	1.709	1.711		0.1	20.0
Benzo(k)fluoranthene	1.721	1.755		2.0	20.0
Benzo(a)pyrene	1.369	1.356		-0.9	20.0
Benzo(g,h,i)perylene	1.444	1.592		10.2	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
 Data File : BN038130.D
 Acq On : 04 Nov 2025 10:40
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Nov 04 11:42:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

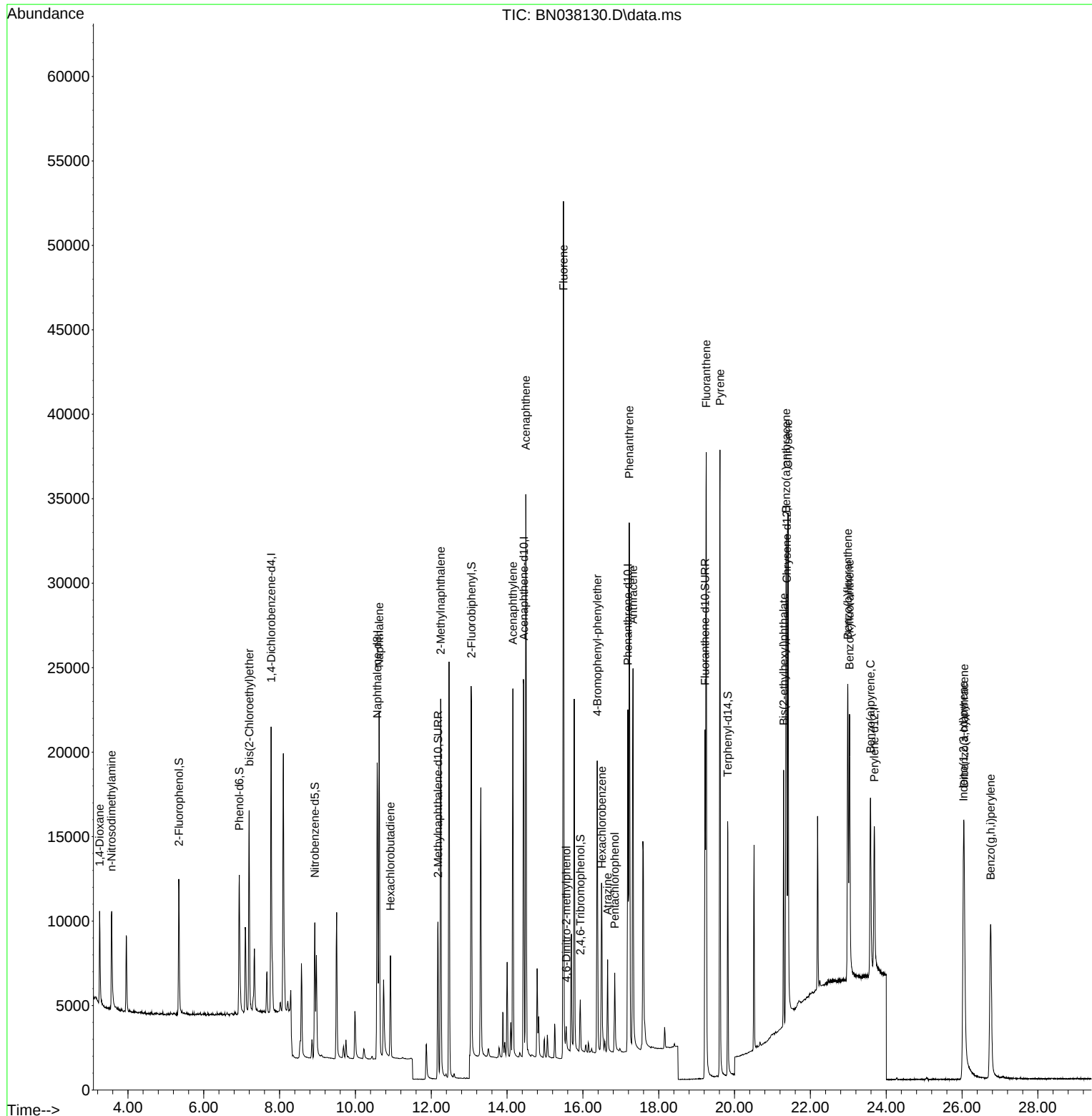
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8599	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24973	0.400	ng	# 0.00
13) Acenaphthene-d10	14.441	164	13947	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	27056	0.400	ng	0.00
29) Chrysene-d12	21.375	240	17059	0.400	ng	0.00
35) Perylene-d12	23.686	264	13607	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	7357	0.363	ng	0.00
5) Phenol-d6	6.937	99	8817	0.357	ng	0.00
8) Nitrobenzene-d5	8.928	82	6906	0.343	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	13509	0.379	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1874	0.326	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	21117	0.378	ng	0.01
27) Fluoranthene-d10	19.220	212	24042	0.352	ng	0.00
31) Terphenyl-d14	19.819	244	15620	0.421	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3722	0.419	ng	99
3) n-Nitrosodimethylamine	3.564	42	4544	0.397	ng	# 93
6) bis(2-Chloroethyl)ether	7.197	93	9558	0.394	ng	99
9) Naphthalene	10.626	128	27095	0.394	ng	100
10) Hexachlorobutadiene	10.925	225	4747	0.409	ng	# 99
12) 2-Methylnaphthalene	12.248	142	17751	0.387	ng	98
16) Acenaphthylene	14.152	152	24464	0.387	ng	99
17) Acenaphthene	14.494	154	16888	0.382	ng	96
18) Fluorene	15.489	166	22996	0.397	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	1019	0.381	ng	# 84
21) 4-Bromophenyl-phenylether	16.379	248	6844	0.386	ng	98
22) Hexachlorobenzene	16.503	284	8492	0.421	ng	100
23) Atrazine	16.652	200	4361	0.336	ng	98
24) Pentachlorophenol	16.838	266	2516	0.290	ng	98
25) Phenanthrene	17.223	178	33589	0.391	ng	100
26) Anthracene	17.322	178	27861	0.371	ng	99
28) Fluoranthene	19.252	202	35123	0.366	ng	100
30) Pyrene	19.615	202	34116	0.443	ng	100
32) Benzo(a)anthracene	21.357	228	22233	0.365	ng	100
33) Chrysene	21.411	228	26943	0.408	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	12992	0.405	ng	100
36) Indeno(1,2,3-cd)pyrene	26.036	276	23804	0.426	ng	99
37) Benzo(b)fluoranthene	22.987	252	23288	0.400	ng	98
38) Benzo(k)fluoranthene	23.031	252	23877	0.408	ng	99
39) Benzo(a)pyrene	23.583	252	18445	0.396	ng	98
40) Dibenzo(a,h)anthracene	26.054	278	18347	0.427	ng	99
41) Benzo(g,h,i)perylene	26.753	276	21656	0.441	ng	100

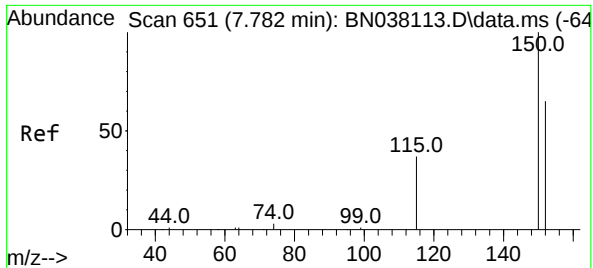
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
Data File : BN038130.D
Acq On : 04 Nov 2025 10:40
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 04 11:42:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

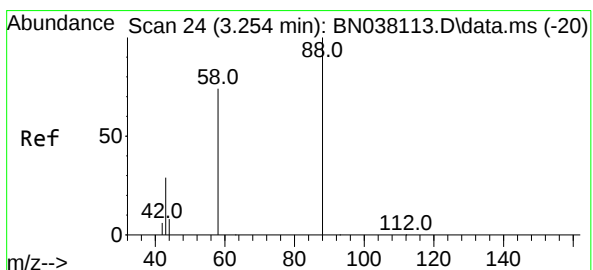
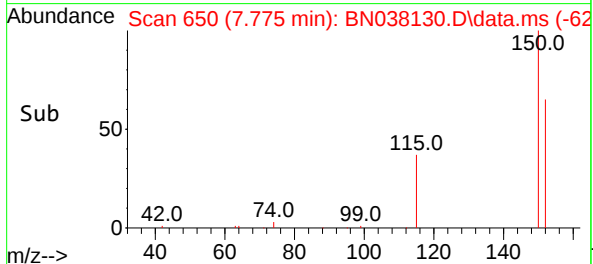
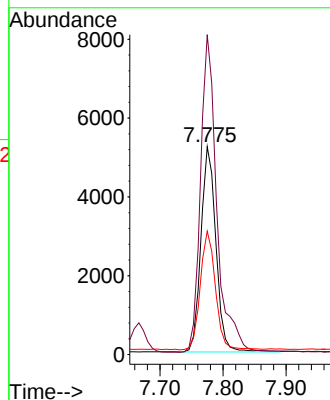
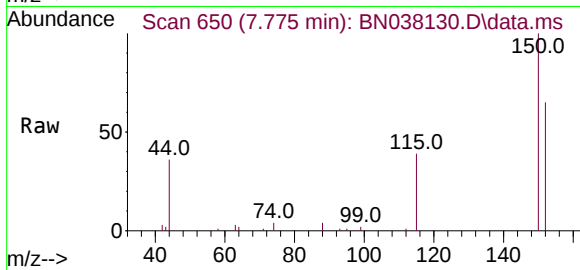




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

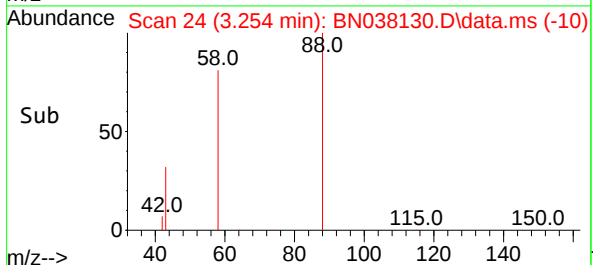
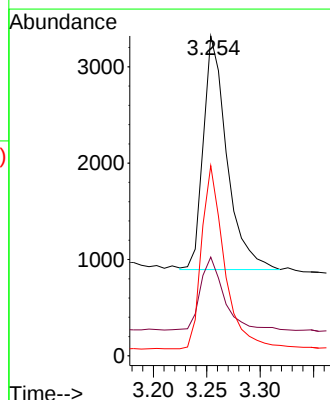
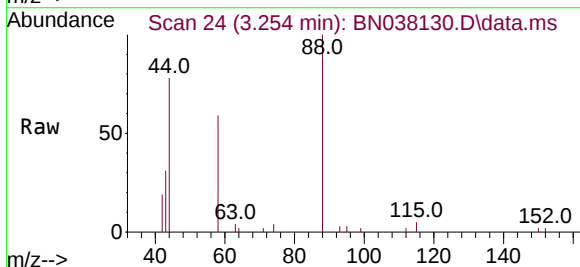
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

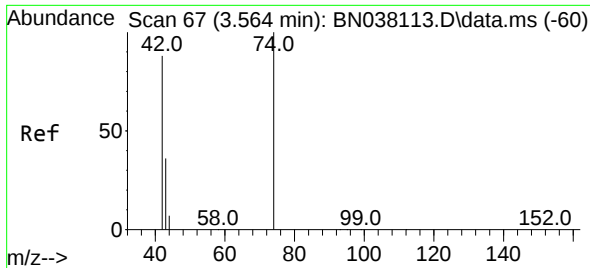
Tgt Ion:152 Resp: 8599
Ion Ratio Lower Upper
152 100
150 153.9 122.3 183.5
115 59.4 47.4 71.0



#2
1,4-Dioxane
Concen: 0.419 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion: 88 Resp: 3722
Ion Ratio Lower Upper
88 100
43 31.1 24.3 36.5
58 76.5 60.4 90.6

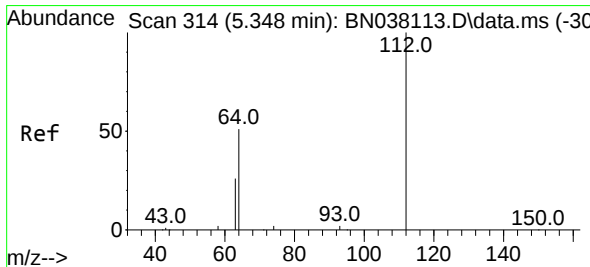
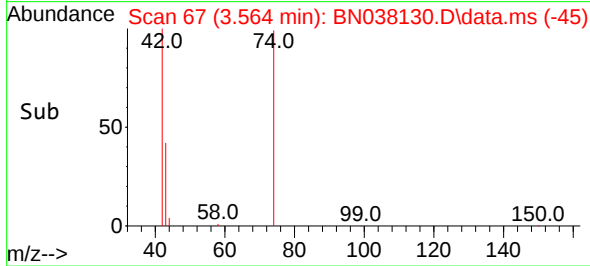
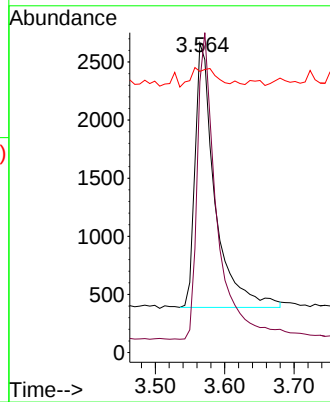
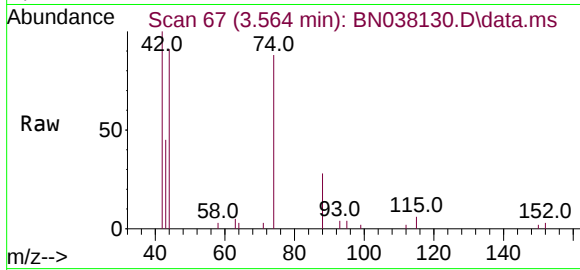




#3
 n-Nitrosodimethylamine
 Concen: 0.397 ng
 RT: 3.564 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: BN038130.D
 Acq: 04 Nov 2025 10:40

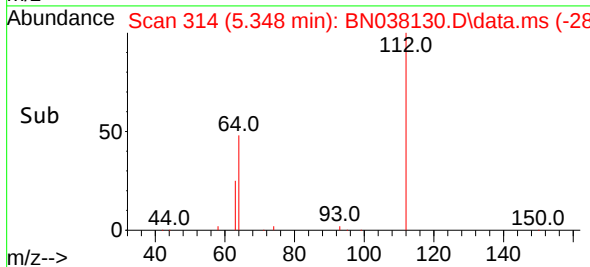
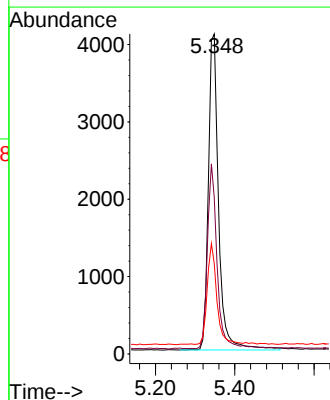
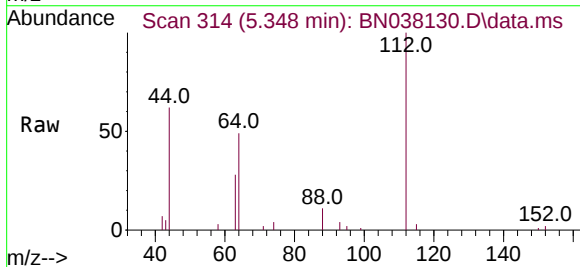
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

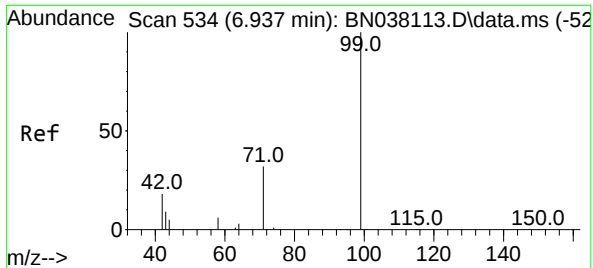
Tgt Ion: 42 Resp: 4544
 Ion Ratio Lower Upper
 42 100
 74 112.7 96.8 145.2
 44 9.0 5.3 7.9#



#4
 2-Fluorophenol
 Concen: 0.363 ng
 RT: 5.348 min Scan# 314
 Delta R.T. -0.000 min
 Lab File: BN038130.D
 Acq: 04 Nov 2025 10:40

Tgt Ion: 112 Resp: 7357
 Ion Ratio Lower Upper
 112 100
 64 55.3 45.4 68.0
 63 29.7 23.2 34.8

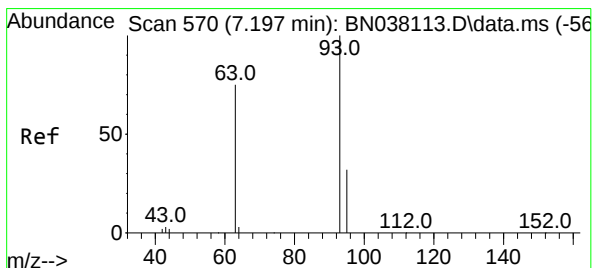
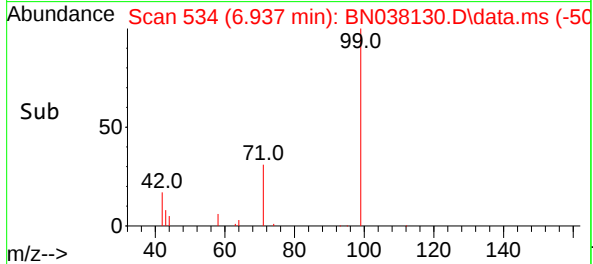
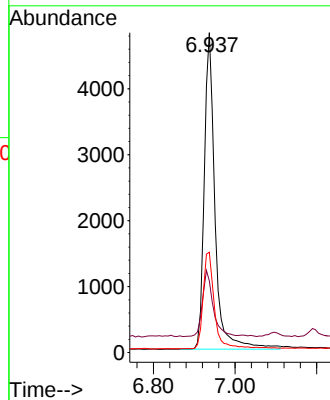
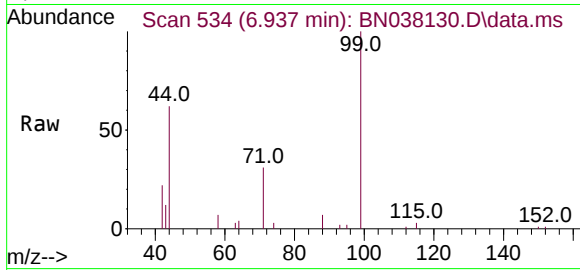




#5
Phenol-d6
Concen: 0.357 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

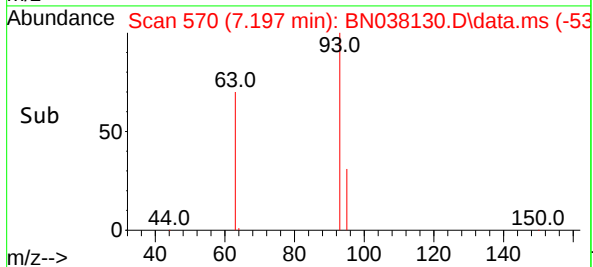
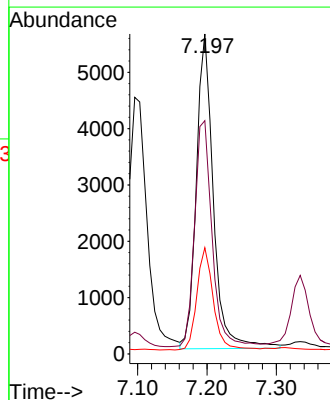
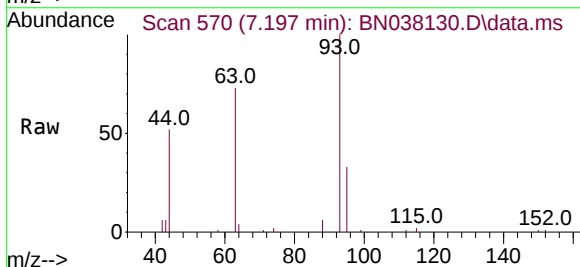
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

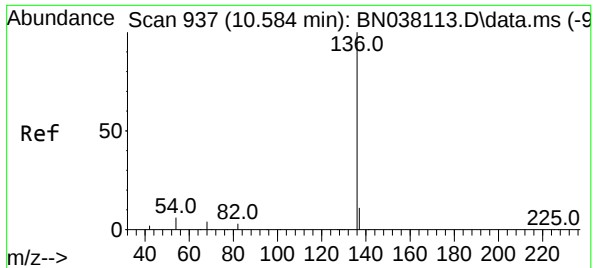
Tgt Ion: 99 Resp: 8817
Ion Ratio Lower Upper
99 100
42 20.3 16.6 24.8
71 31.7 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion: 93 Resp: 9558
Ion Ratio Lower Upper
93 100
63 73.2 59.3 88.9
95 31.1 25.2 37.8

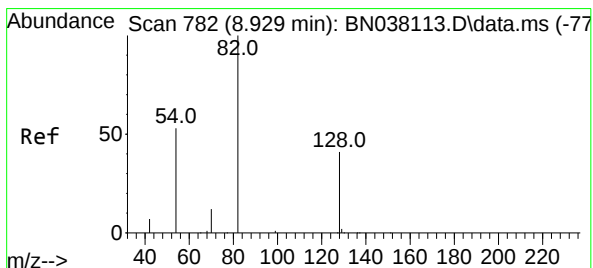
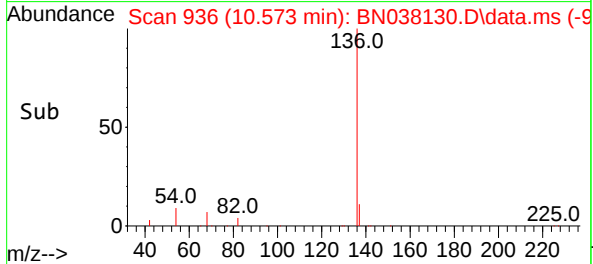
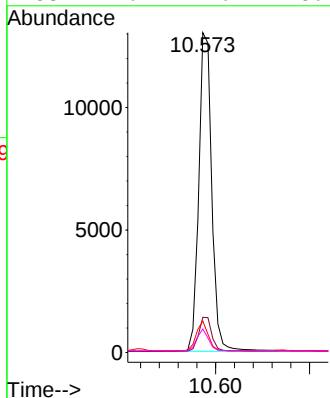
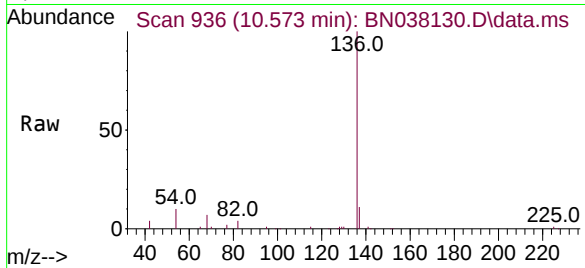




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

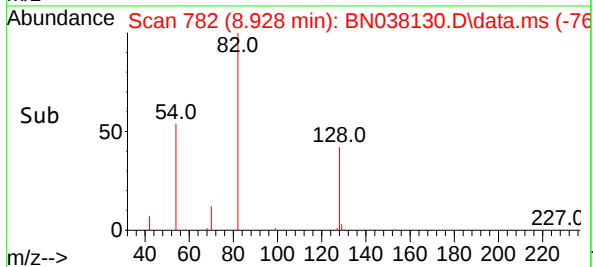
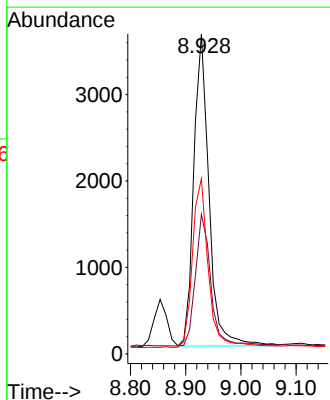
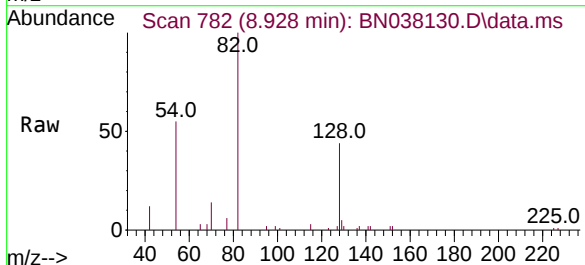
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

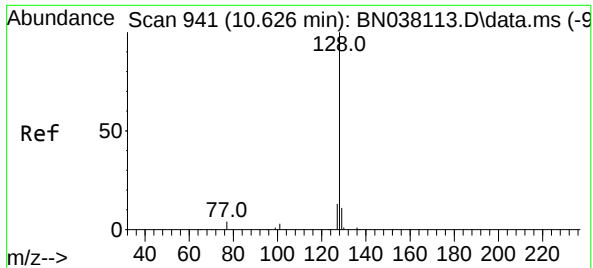
Tgt Ion:	136	Resp:	24973
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	9.9	5.2	7.8#
68	7.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:	82	Resp:	6906
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.1	51.1
54	54.8	43.5	65.3

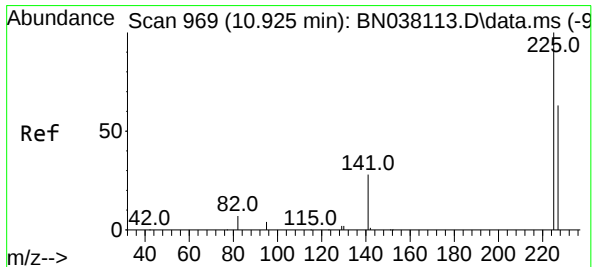
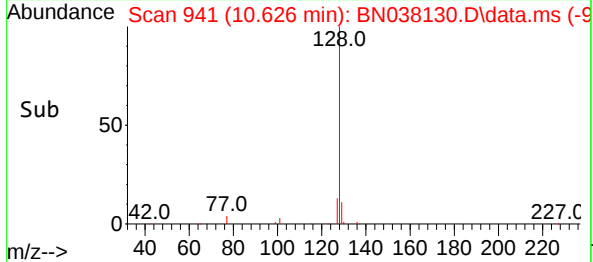
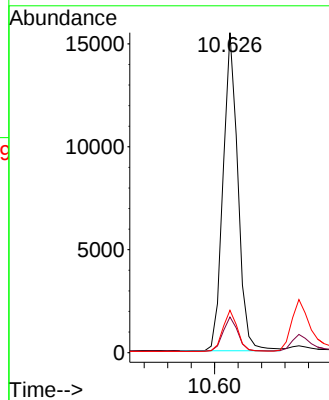
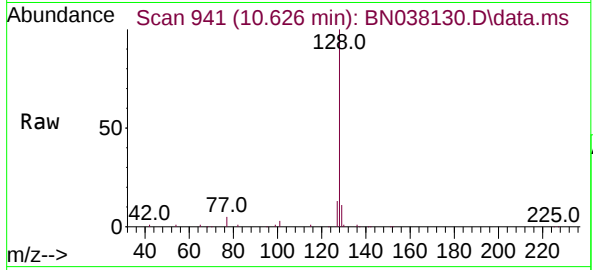




#9
Naphthalene
Concen: 0.394 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

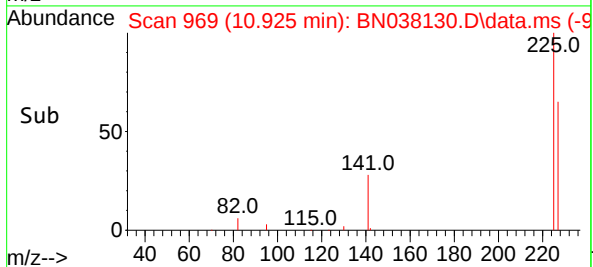
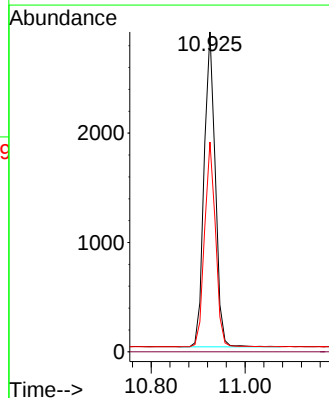
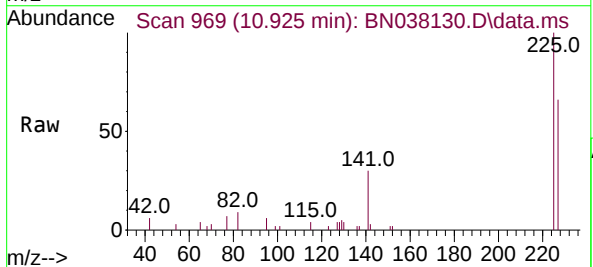
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

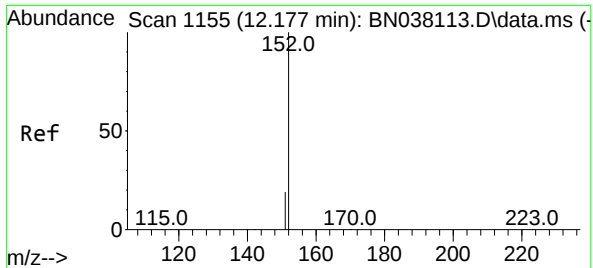
Tgt Ion:	128	Resp:	27095
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.2	10.5	15.7



#10
Hexachlorobutadiene
Concen: 0.409 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:	225	Resp:	4747
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.3	75.5

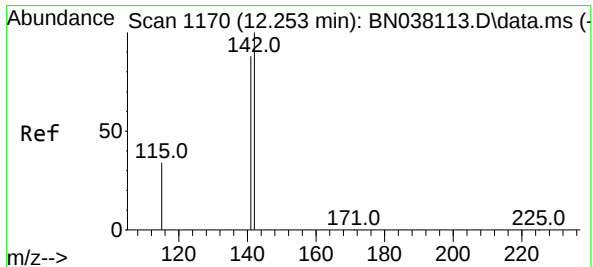
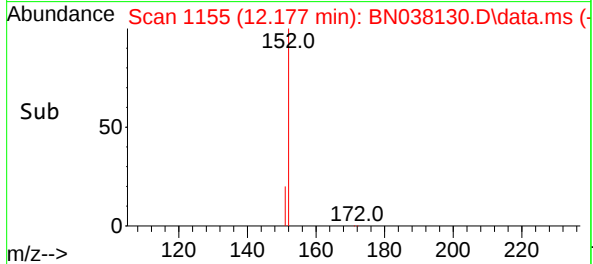
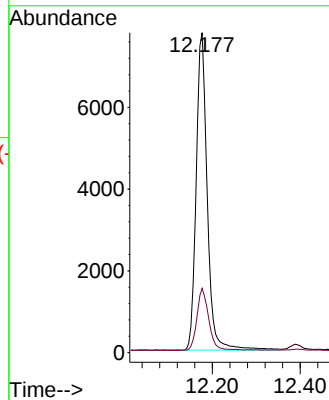
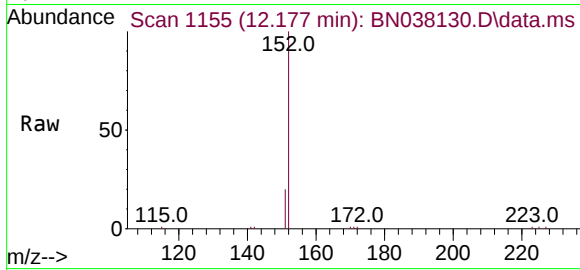




#11
2-Methylnaphthalene-d10
Concen: 0.379 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

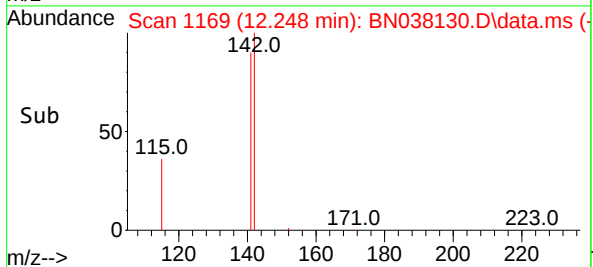
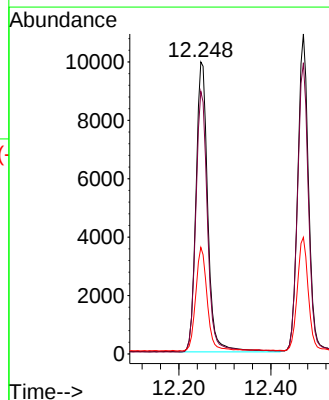
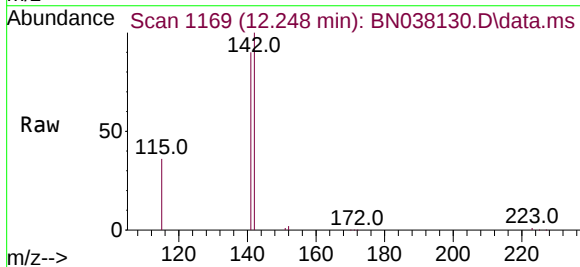
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

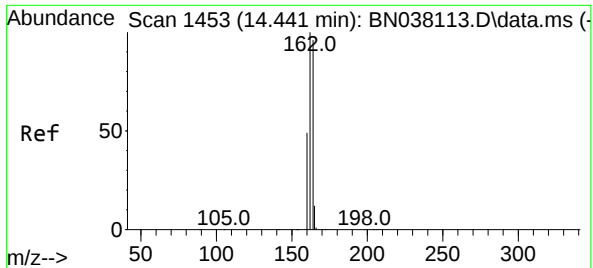
Tgt Ion:152 Resp: 13509
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.387 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:142 Resp: 17751
Ion Ratio Lower Upper
142 100
141 89.9 70.3 105.5
115 36.5 27.8 41.6

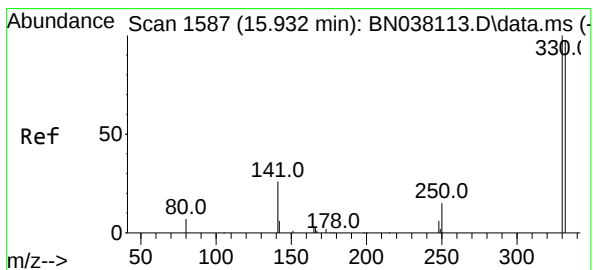
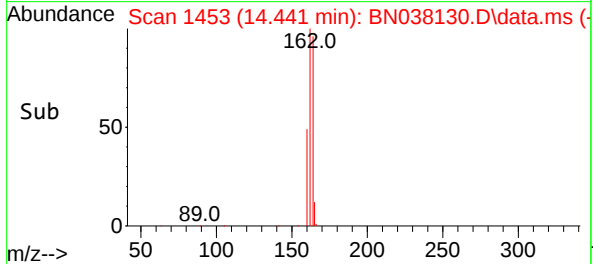
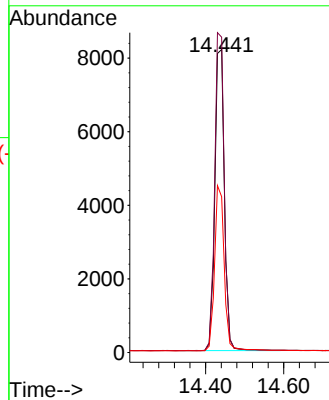
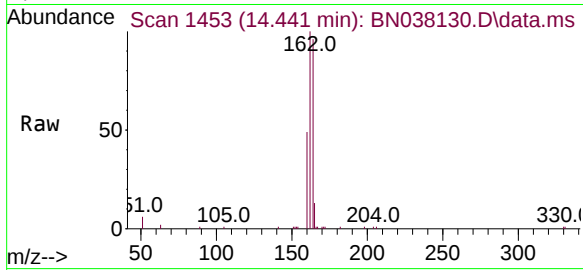




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.010 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

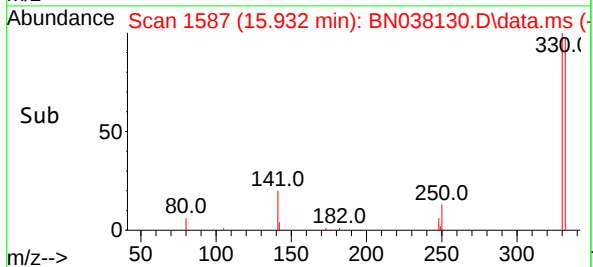
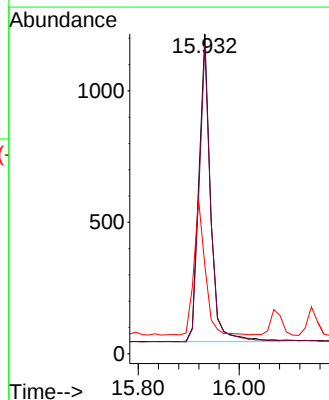
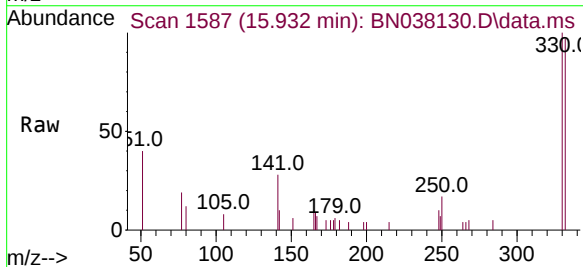
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

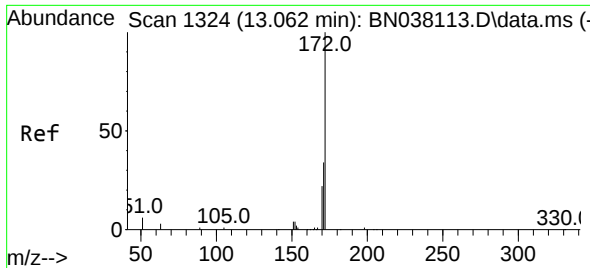
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.0	124.4
160	51.5	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	42.3	34.1	51.1

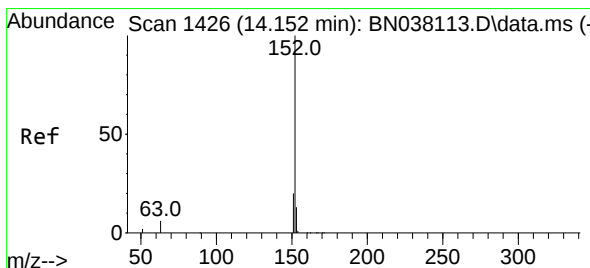
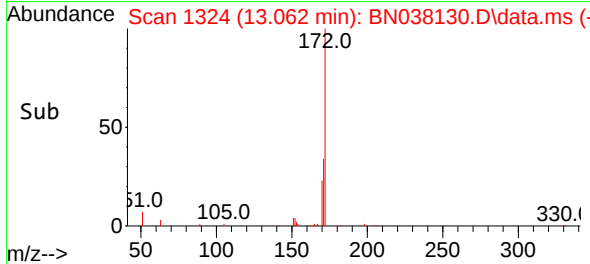
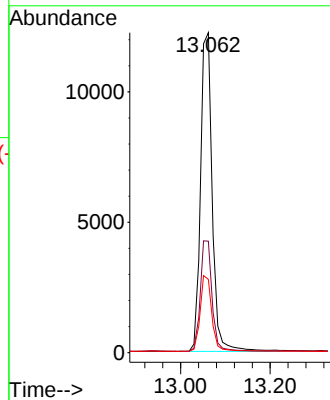
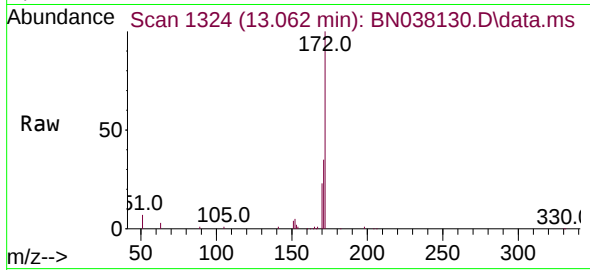




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.010 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

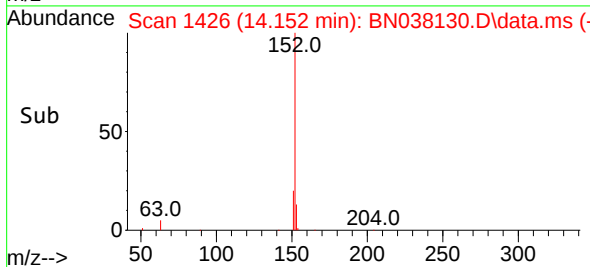
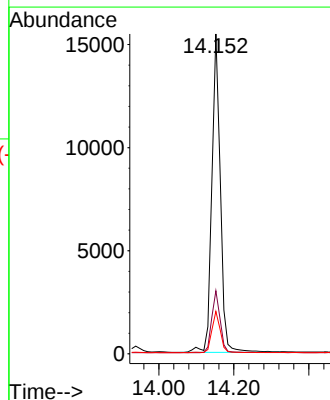
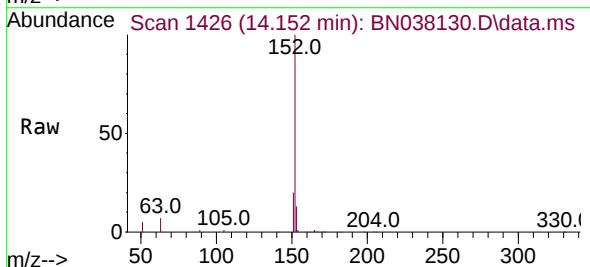
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

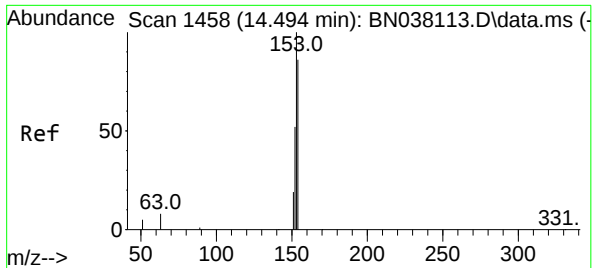
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	22.9	18.1	27.1



#16
Acenaphthylene
Concen: 0.387 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.1	10.2	15.2

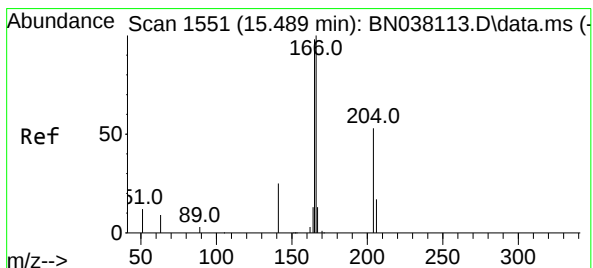
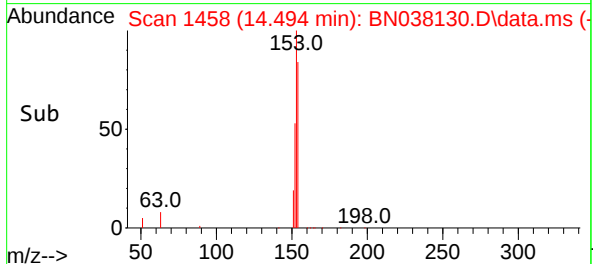
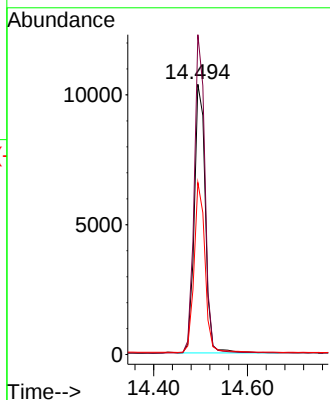
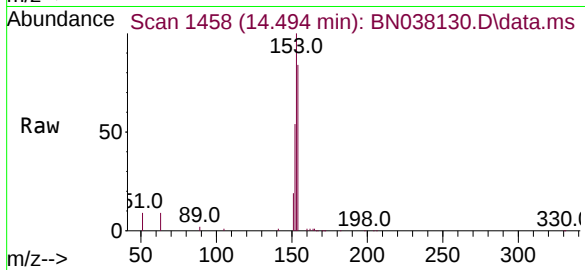




#17
Acenaphthene
Concen: 0.382 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

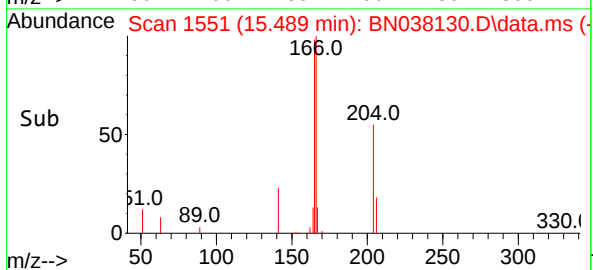
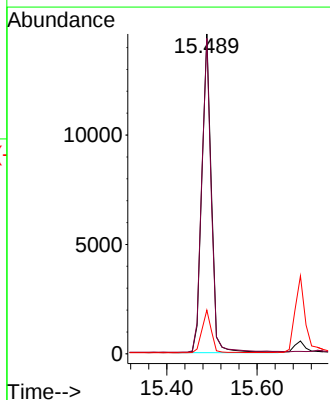
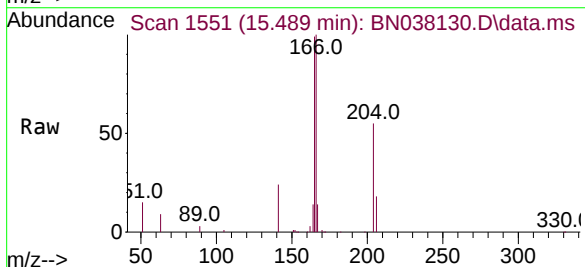
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

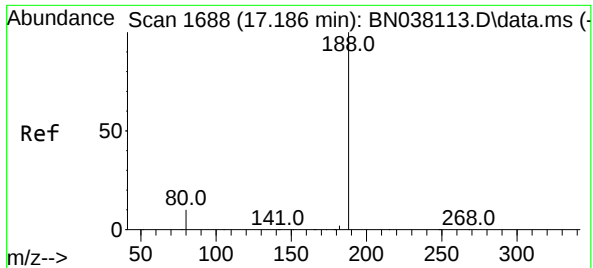
Tgt Ion:154 Resp: 16888
Ion Ratio Lower Upper
154 100
153 115.7 90.0 135.0
152 62.6 47.3 70.9



#18
Fluorene
Concen: 0.397 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:166 Resp: 22996
Ion Ratio Lower Upper
166 100
165 98.5 79.0 118.4
167 13.0 10.7 16.1

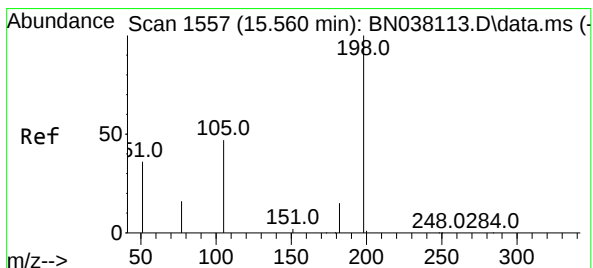
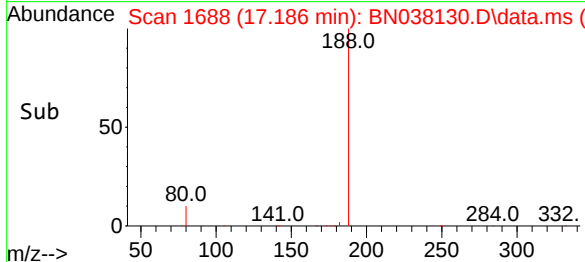
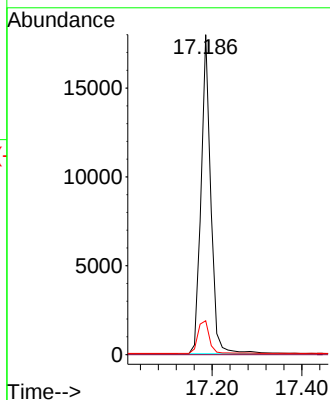
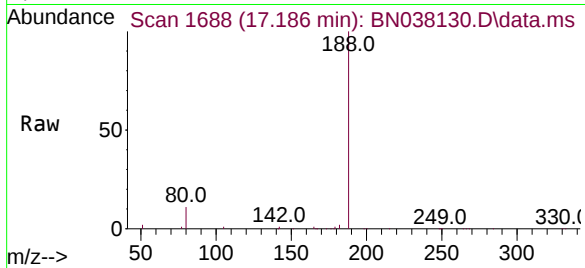




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

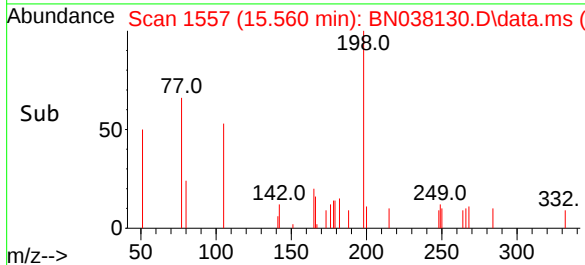
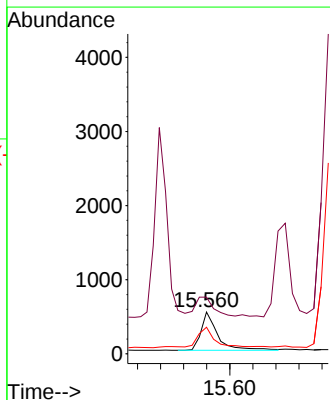
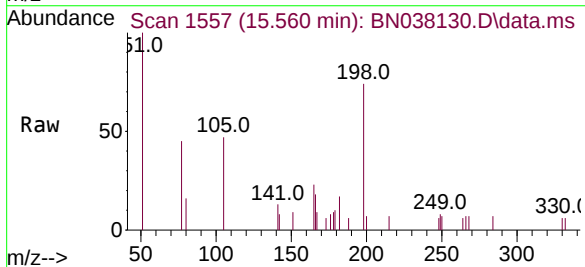
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

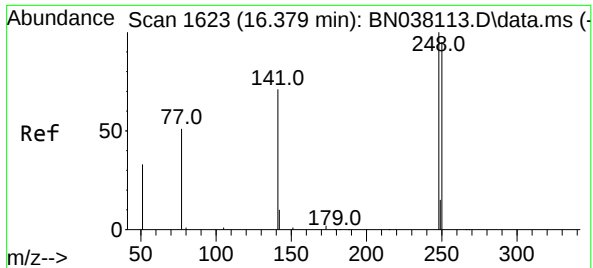
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	8.6	13.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.381 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion	Ratio	Lower	Upper
198	100		
51	135.4	88.9	133.3
105	63.4	49.2	73.8

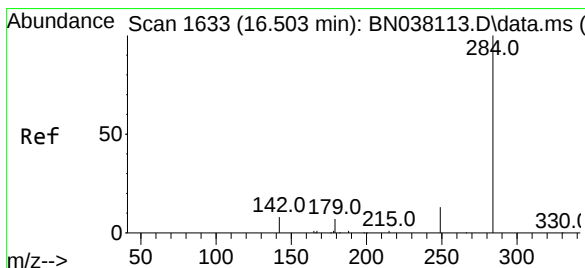
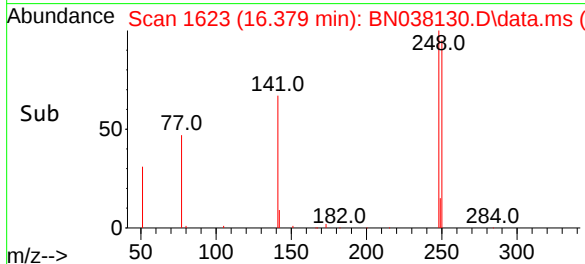
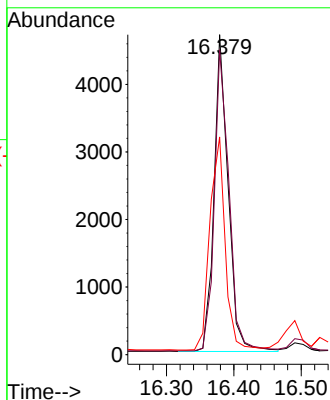
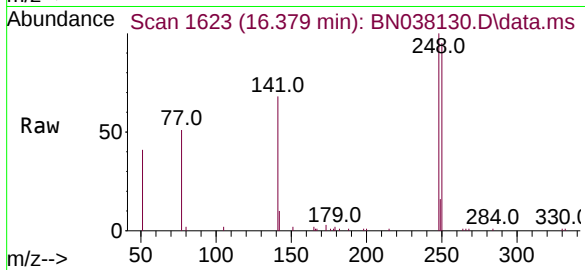




#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

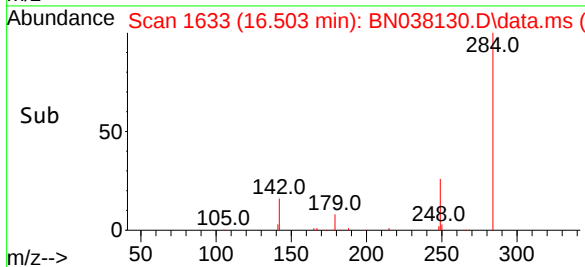
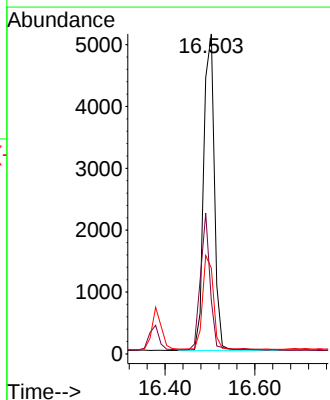
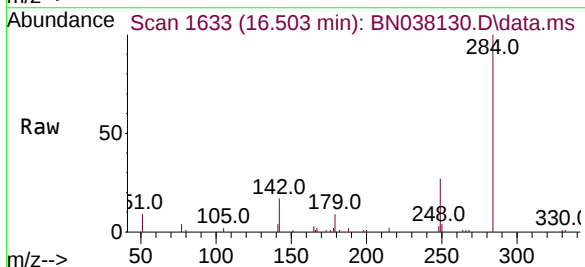
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

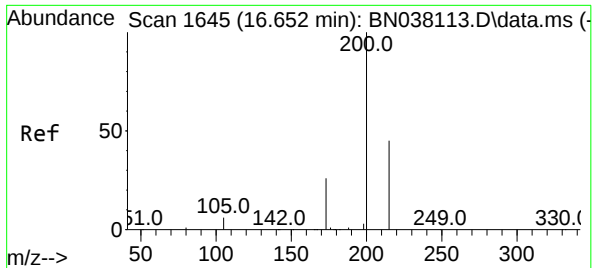
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.3	76.2	114.2
141	68.0	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.421 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.5	45.7
249	29.5	23.5	35.3

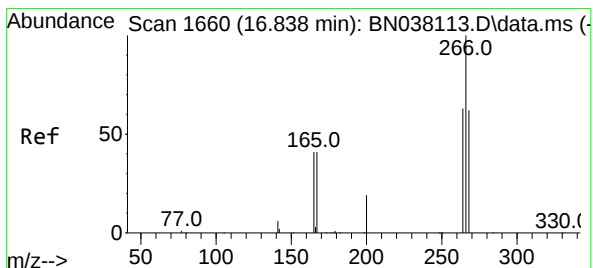
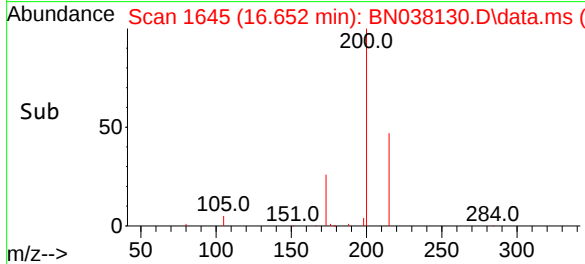
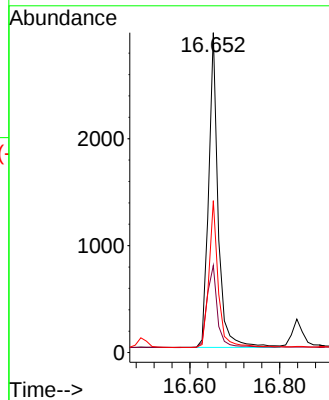
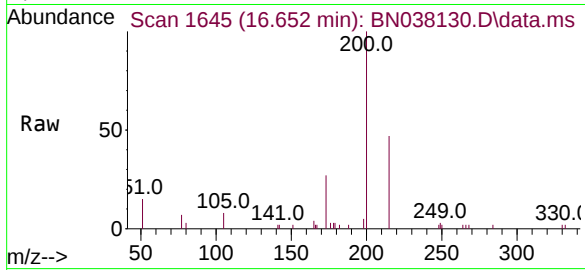




#23
 Atrazine
 Concen: 0.336 ng
 RT: 16.652 min Scan# 1645
 Delta R.T. -0.000 min
 Lab File: BN038130.D
 Acq: 04 Nov 2025 10:40

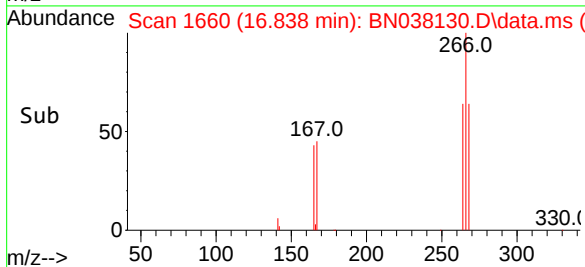
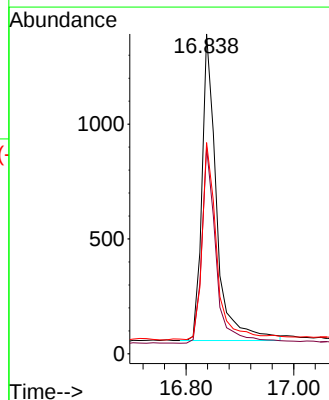
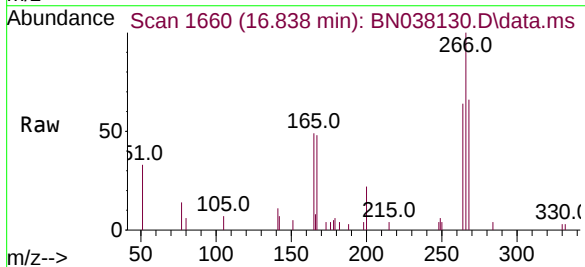
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

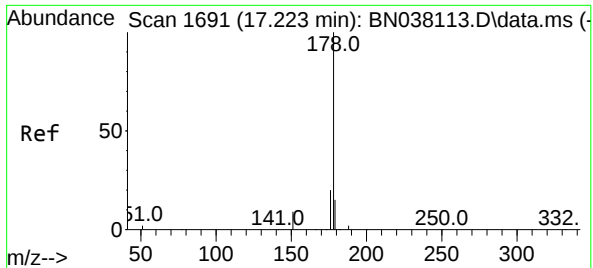
Tgt Ion:200 Resp: 4361
 Ion Ratio Lower Upper
 200 100
 173 27.2 21.4 32.2
 215 47.5 36.7 55.1



#24
 Pentachlorophenol
 Concen: 0.290 ng
 RT: 16.838 min Scan# 1660
 Delta R.T. -0.000 min
 Lab File: BN038130.D
 Acq: 04 Nov 2025 10:40

Tgt Ion:266 Resp: 2516
 Ion Ratio Lower Upper
 266 100
 264 62.4 49.3 73.9
 268 65.6 50.6 75.8

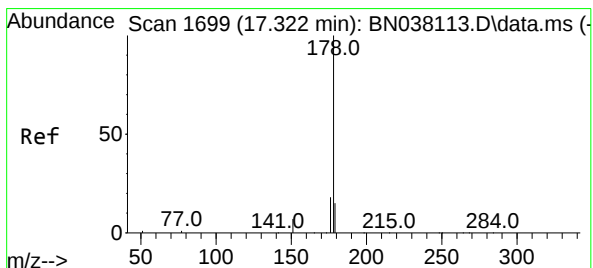
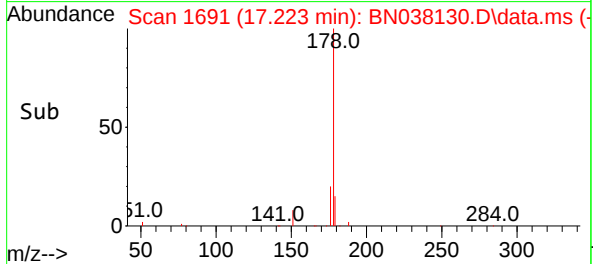
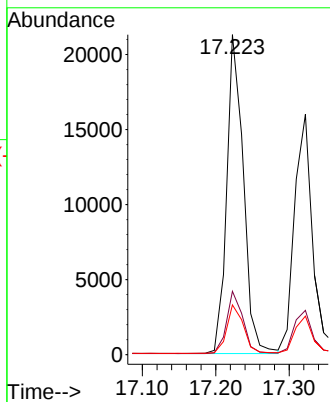
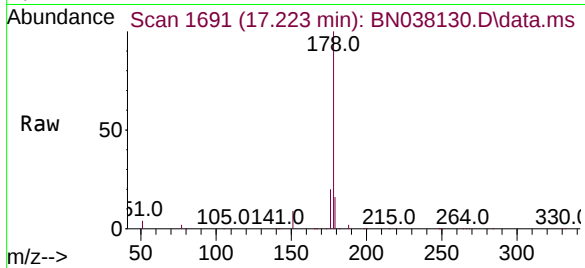




#25
Phenanthrene
Concen: 0.391 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

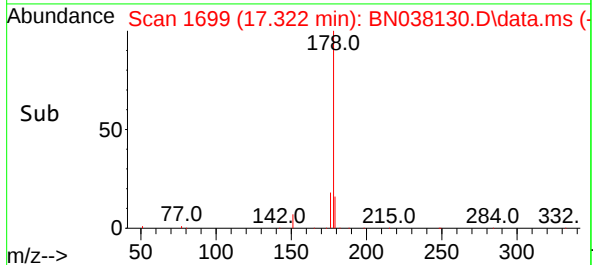
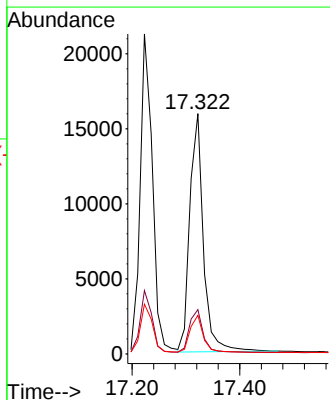
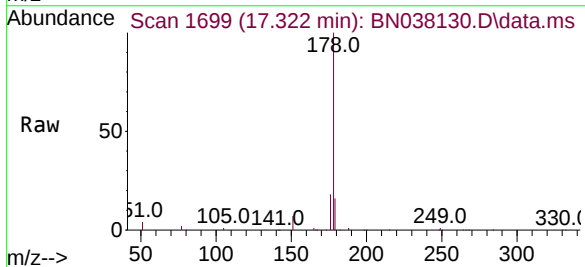
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

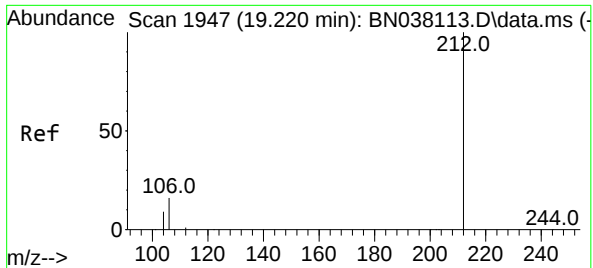
Tgt Ion:178 Resp: 33589
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.371 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:178 Resp: 27861
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.3 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038130.D

Acq: 04 Nov 2025 10:40

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

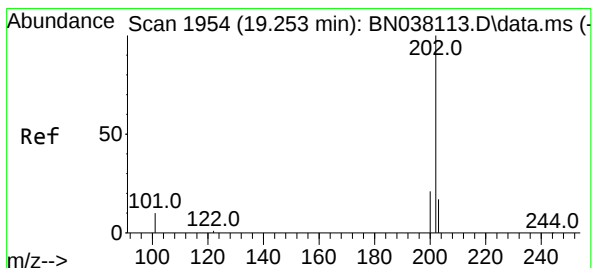
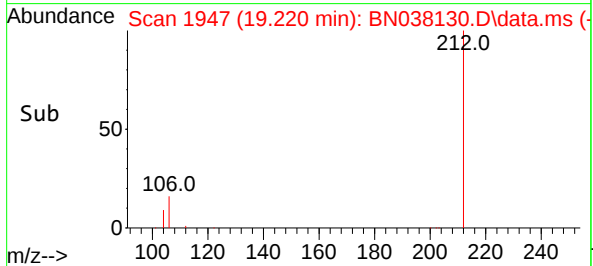
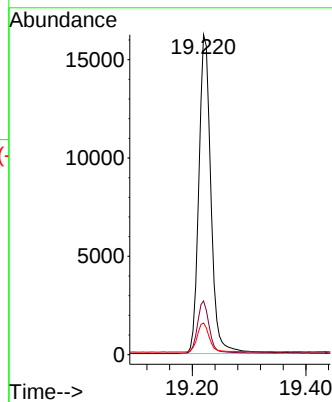
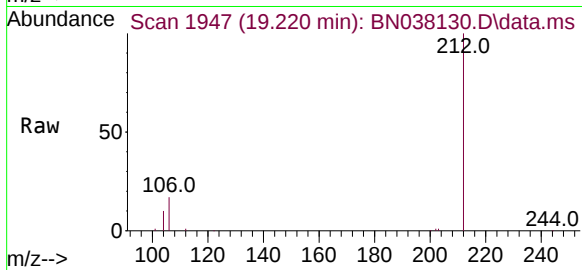
Tgt Ion:212 Resp: 24042

Ion Ratio Lower Upper

212 100

106 16.2 12.6 19.0

104 9.1 7.1 10.7



#28

Fluoranthene

Concen: 0.366 ng

RT: 19.252 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038130.D

Acq: 04 Nov 2025 10:40

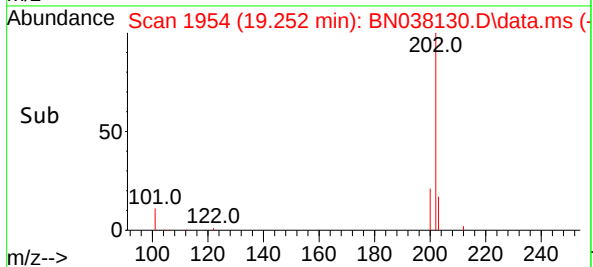
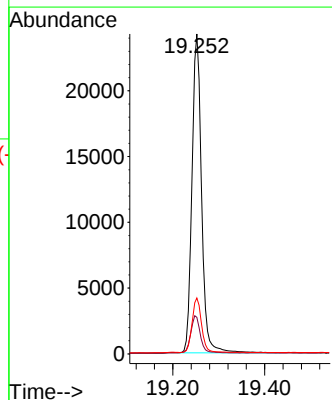
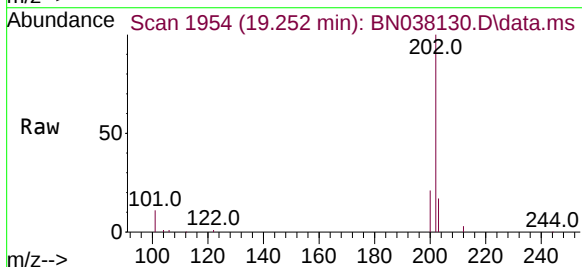
Tgt Ion:202 Resp: 35123

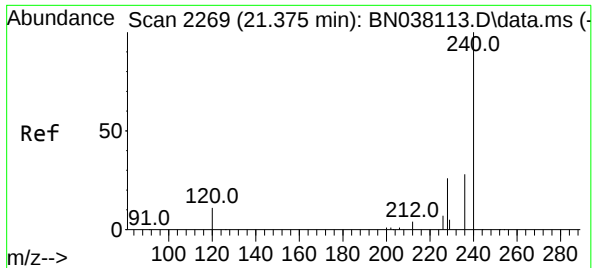
Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

203 16.9 13.4 20.2

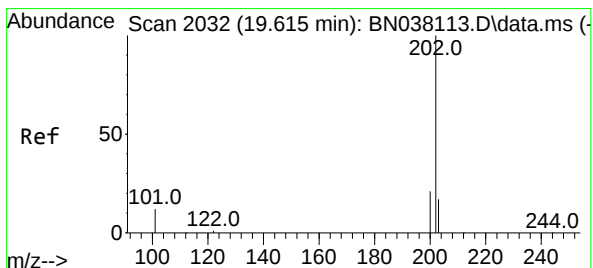
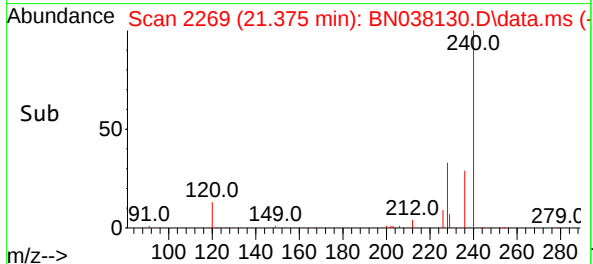
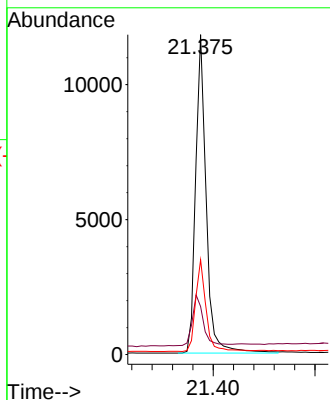
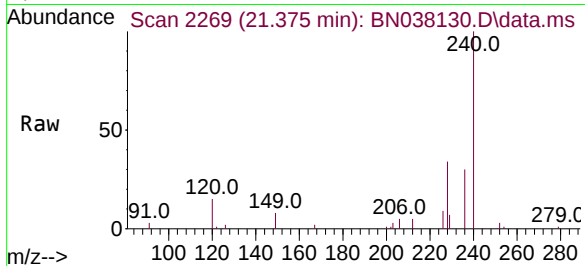




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

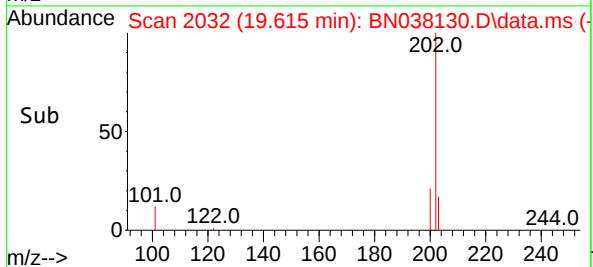
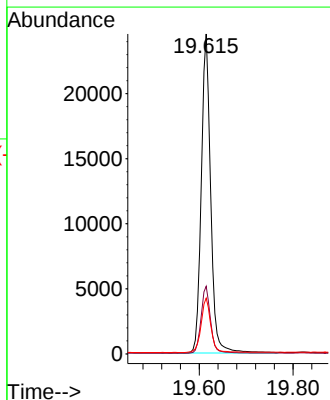
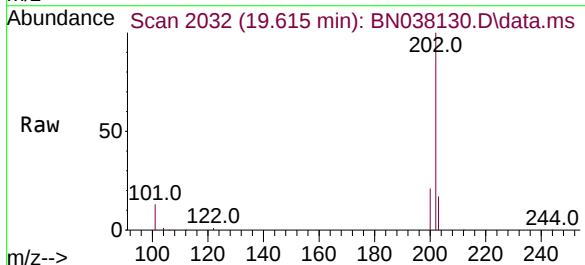
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

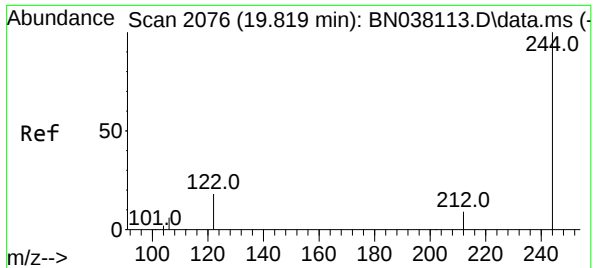
Tgt Ion:240 Resp: 17059
Ion Ratio Lower Upper
240 100
120 15.0 10.7 16.1
236 29.6 23.1 34.7



#30
Pyrene
Concen: 0.443 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.004 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:202 Resp: 34116
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.8 14.2 21.2

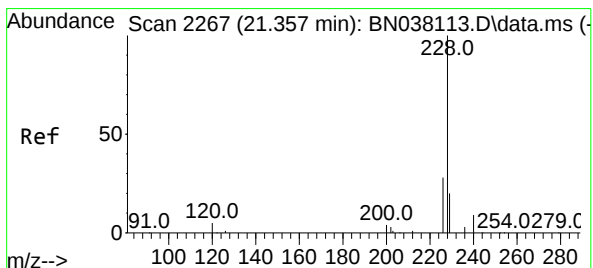
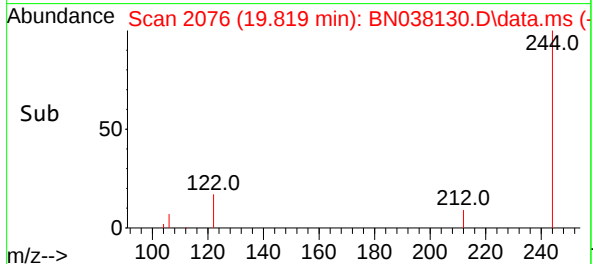
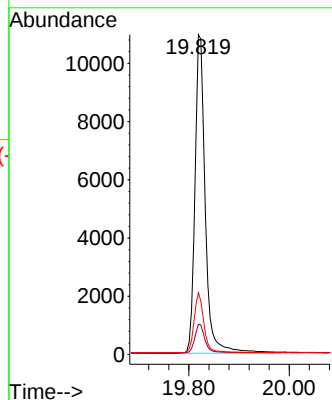
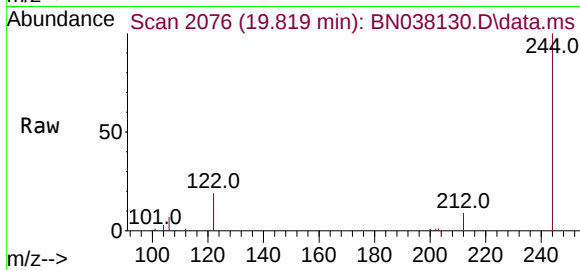




#31
Terphenyl-d14
Concen: 0.421 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

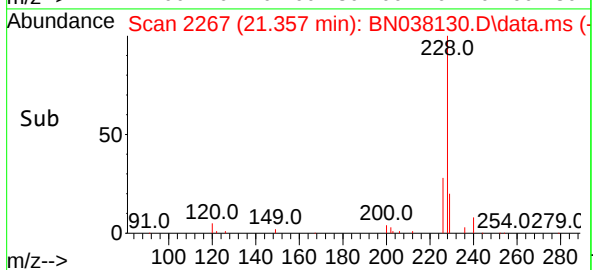
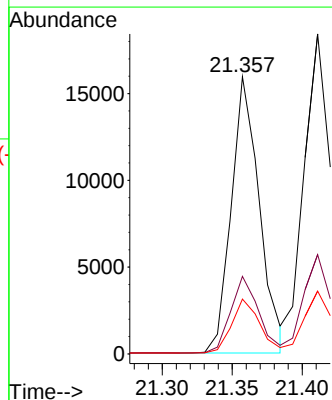
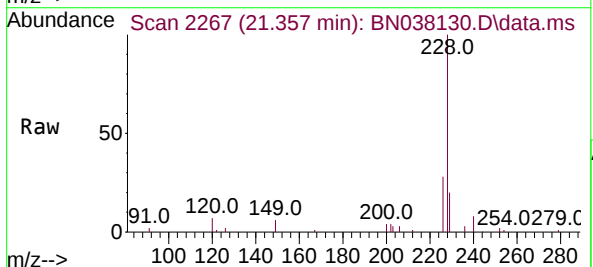
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

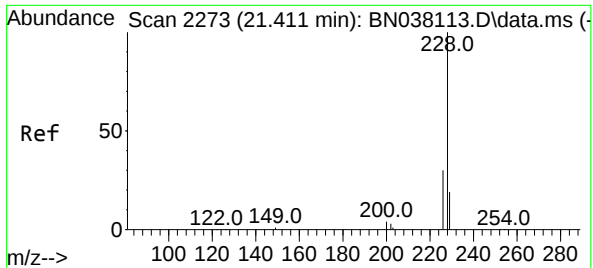
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.8	11.6
122	19.3	15.2	22.8



#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	19.8	15.8	23.8

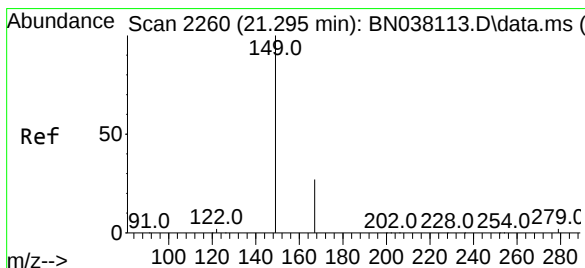
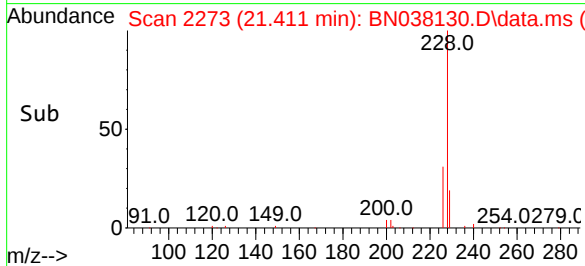
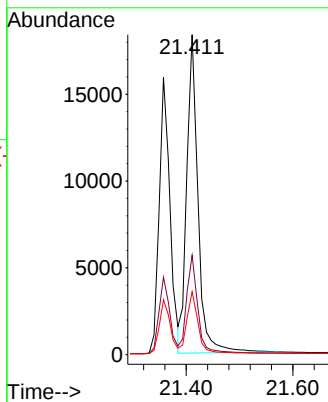
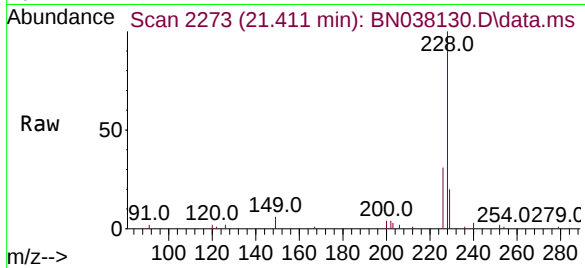




#33
Chrysene
Concen: 0.408 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

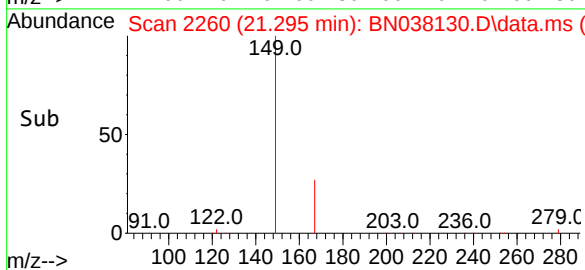
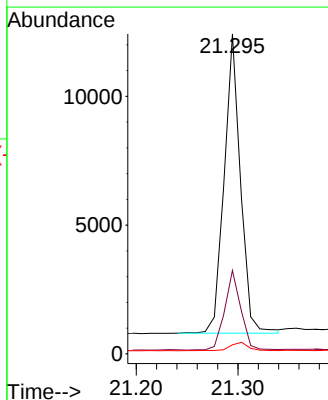
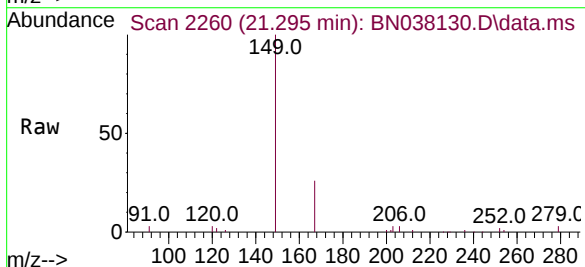
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

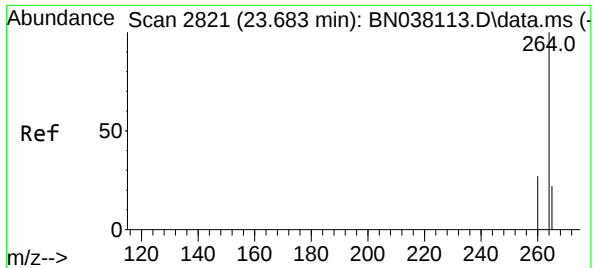
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	19.6	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.405 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.1	31.7
279	3.2	2.9	4.3

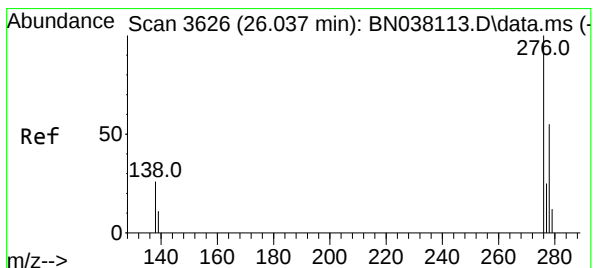
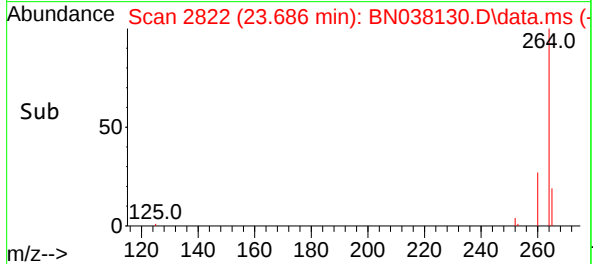
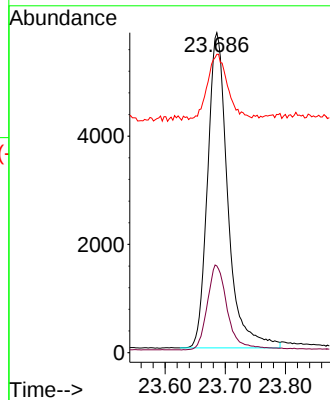
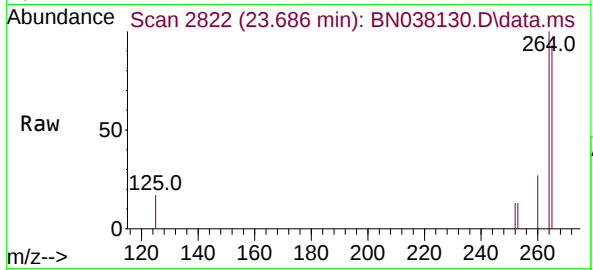




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

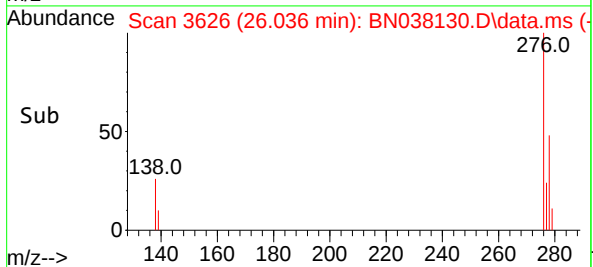
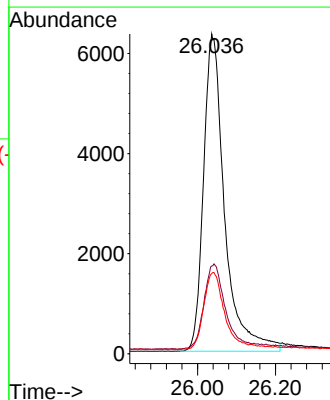
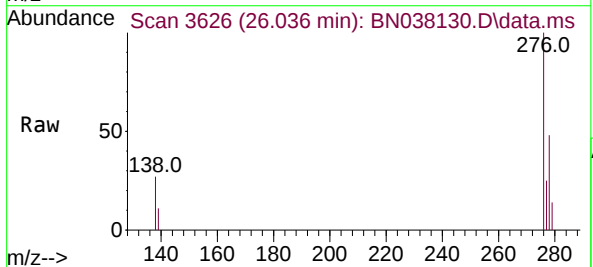
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

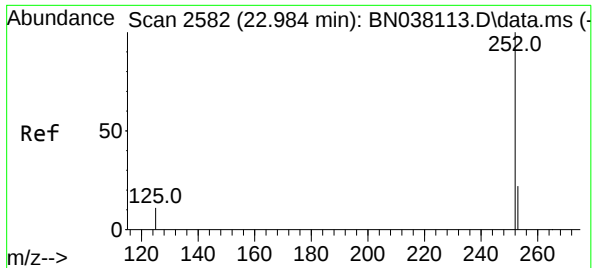
Tgt Ion:264 Resp: 13607
Ion Ratio Lower Upper
264 100
260 27.1 21.8 32.8
265 93.2 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.426 ng
RT: 26.036 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038130.D
Acq: 04 Nov 2025 10:40

Tgt Ion:276 Resp: 23804
Ion Ratio Lower Upper
276 100
138 27.4 21.4 32.0
277 23.7 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.400 ng

RT: 22.987 min Scan# 2582

Delta R.T. 0.006 min

Lab File: BN038130.D

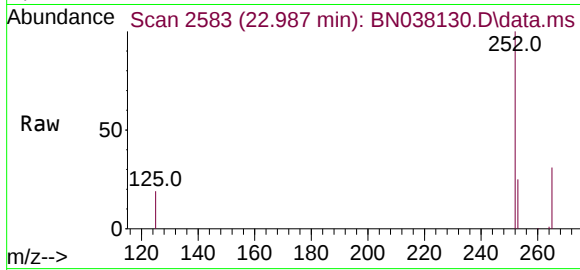
Acq: 04 Nov 2025 10:40

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



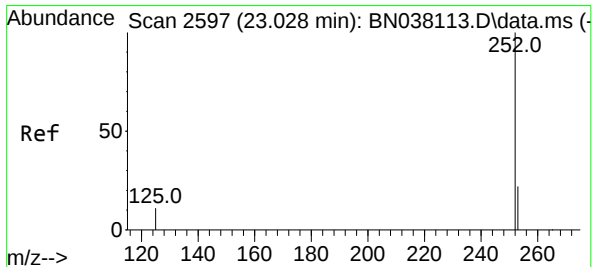
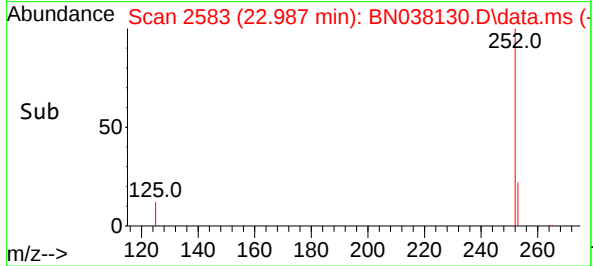
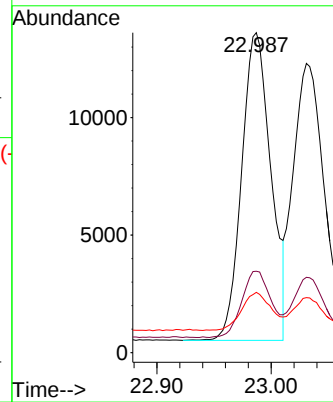
Tgt Ion:252 Resp: 23288

Ion Ratio Lower Upper

252 100

253 25.4 20.9 31.3

125 18.8 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.408 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038130.D

Acq: 04 Nov 2025 10:40

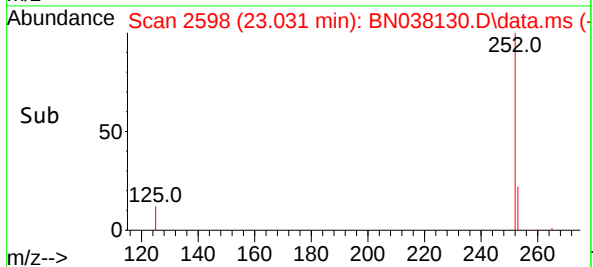
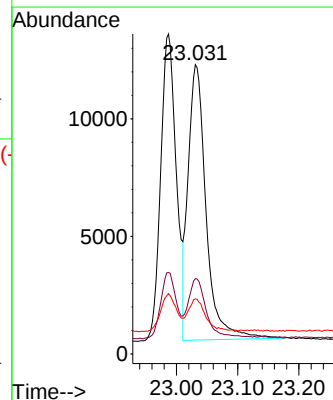
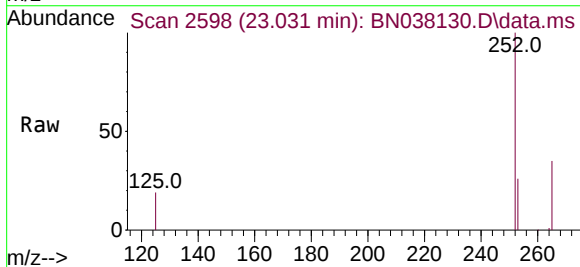
Tgt Ion:252 Resp: 23877

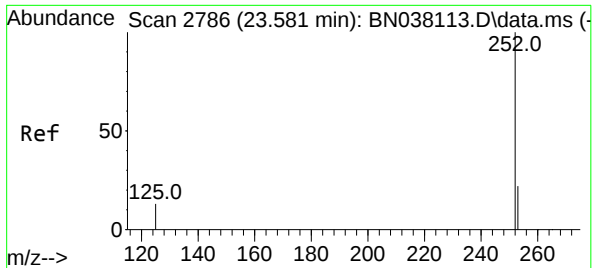
Ion Ratio Lower Upper

252 100

253 26.0 21.2 31.8

125 19.0 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.396 ng

RT: 23.583 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038130.D

Acq: 04 Nov 2025 10:40

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

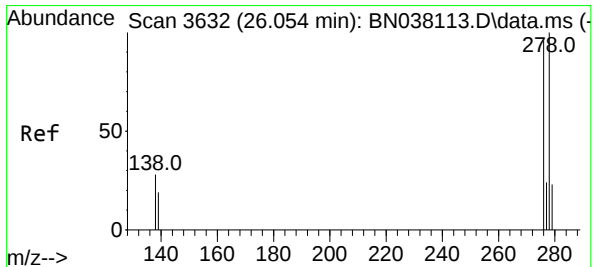
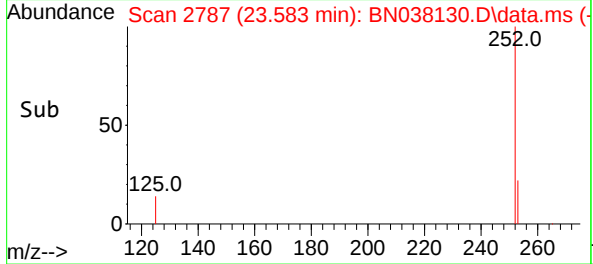
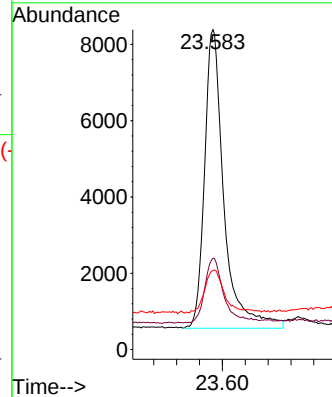
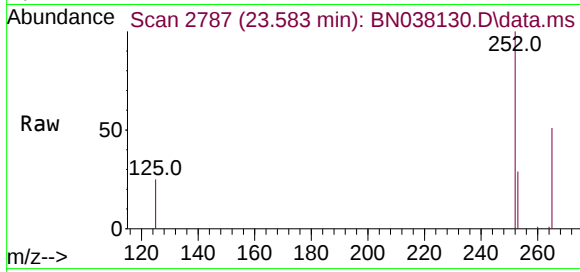
Tgt Ion:252 Resp: 18445

Ion Ratio Lower Upper

252 100

253 28.6 23.1 34.7

125 24.7 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.427 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038130.D

Acq: 04 Nov 2025 10:40

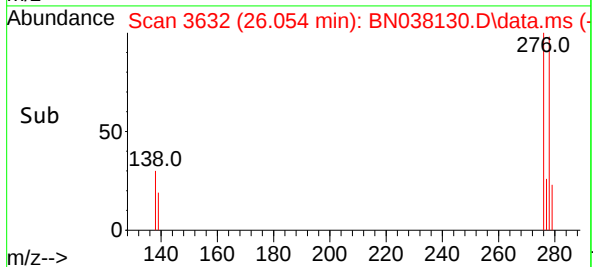
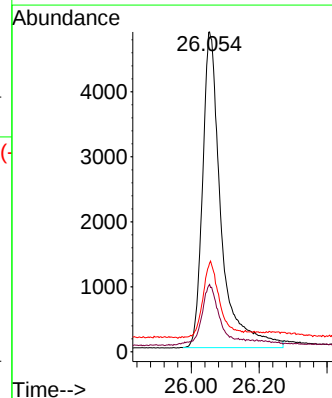
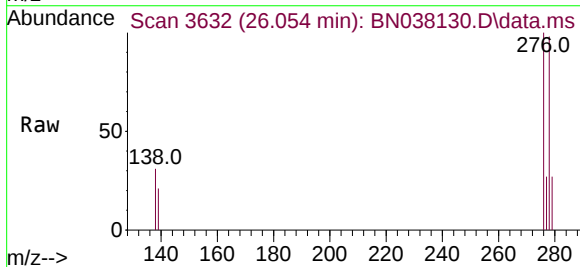
Tgt Ion:278 Resp: 18347

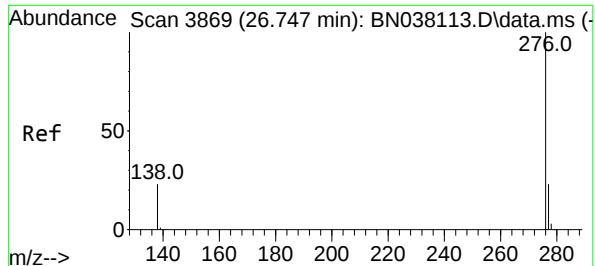
Ion Ratio Lower Upper

278 100

139 21.1 17.6 26.4

279 27.8 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.441 ng

RT: 26.753 min Scan# 38

Delta R.T. 0.003 min

Lab File: BN038130.D

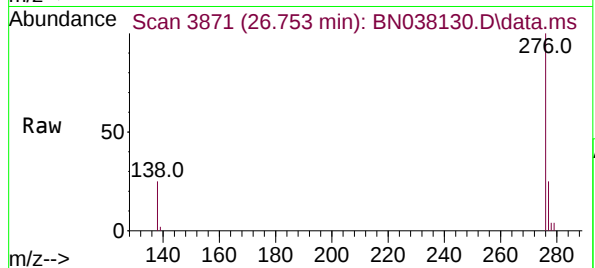
Acq: 04 Nov 2025 10:40

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



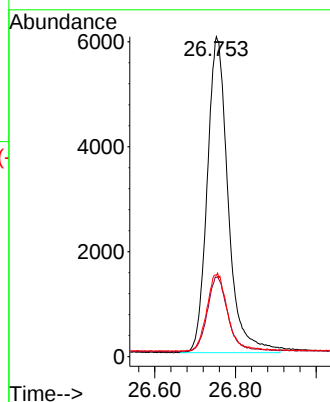
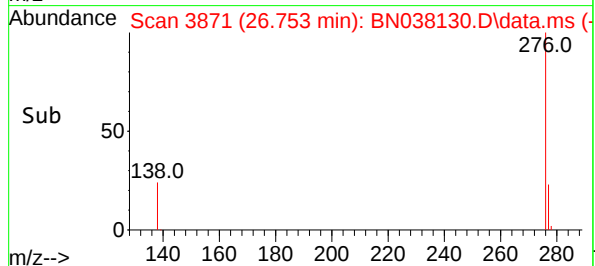
Tgt Ion:276 Resp: 21656

Ion Ratio Lower Upper

276 100

277 24.8 19.7 29.5

138 25.4 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
 Data File : BN038130.D
 Acq On : 04 Nov 2025 10:40
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 04 11:42:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 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	94	0.00
2	1,4-Dioxane	0.413	0.433	-4.8	96	0.00
3	n-Nitrosodimethylamine	0.532	0.528	0.8	92	0.00
4 S	2-Fluorophenol	0.942	0.856	9.1	84	0.00
5 S	Phenol-d6	1.148	1.025	10.7	85	0.00
6	bis(2-Chloroethyl)ether	1.128	1.112	1.4	92	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
8 S	Nitrobenzene-d5	0.323	0.277	14.2	80	0.00
9	Naphthalene	1.102	1.085	1.5	91	0.00
10	Hexachlorobutadiene	0.186	0.190	-2.2	92	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.541	5.3	89	0.00
12	2-Methylnaphthalene	0.735	0.711	3.3	91	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	90	0.01
14 S	2,4,6-Tribromophenol	0.165	0.134	18.8	81	0.00
15 S	2-Fluorobiphenyl	1.602	1.514	5.5	86	0.01
16	Acenaphthylene	1.811	1.754	3.1	92	0.00
17	Acenaphthene	1.267	1.211	4.4	90	0.00
18	Fluorene	1.661	1.649	0.7	93	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.038	30.9#	77	0.00
21	4-Bromophenyl-phenylether	0.262	0.253	3.4	93	0.00
22	Hexachlorobenzene	0.298	0.314	-5.4	97	0.00
23	Atrazine	0.192	0.161	16.1	84	0.00
24	Pentachlorophenol	0.128	0.093	27.3#	79	0.00
25	Phenanthrene	1.270	1.241	2.3	93	0.00
26	Anthracene	1.111	1.030	7.3	90	0.00
27 SURR	Fluoranthene-d10	1.009	0.889	11.9	85	0.00
28	Fluoranthene	1.419	1.298	8.5	89	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	79	0.00
30	Pyrene	1.806	2.000	-10.7	86	0.00
31 S	Terphenyl-d14	0.869	0.916	-5.4	83	0.00
32	Benzo(a)anthracene	1.427	1.303	8.7	76	0.00
33	Chrysene	1.549	1.579	-1.9	81	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.762	-1.3	84	0.00
35 I	Perylene-d12	1.000	1.000	0.0	76	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.749	-6.5	83	0.00
37	Benzo(b)fluoranthene	1.710	1.711	-0.1	80	0.00
38	Benzo(k)fluoranthene	1.721	1.755	-2.0	82	0.00
39 C	Benzo(a)pyrene	1.369	1.356	0.9	78	0.00
40	Dibenzo(a,h)anthracene	1.265	1.348	-6.6	85	0.00
41	Benzo(g,h,i)perylene	1.444	1.592	-10.2	85	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\BN110425\
 Data File : BN038130.D
 Acq On : 04 Nov 2025 10:40
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 04 11:42:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 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	94	0.00
2	1,4-Dioxane	0.400	0.419	-4.7	96	0.00
3	n-Nitrosodimethylamine	0.400	0.397	0.8	92	0.00
4 S	2-Fluorophenol	0.400	0.363	9.3	84	0.00
5 S	Phenol-d6	0.400	0.357	10.8	85	0.00
6	bis(2-Chloroethyl)ether	0.400	0.394	1.5	92	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	90	0.00
8 S	Nitrobenzene-d5	0.400	0.343	14.2	80	0.00
9	Naphthalene	0.400	0.394	1.5	91	0.00
10	Hexachlorobutadiene	0.400	0.409	-2.2	92	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.379	5.3	89	0.00
12	2-Methylnaphthalene	0.400	0.387	3.3	91	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	90	0.01
14 S	2,4,6-Tribromophenol	0.400	0.326	18.5	81	0.00
15 S	2-Fluorobiphenyl	0.400	0.378	5.5	86	0.01
16	Acenaphthylene	0.400	0.387	3.3	92	0.00
17	Acenaphthene	0.400	0.382	4.5	90	0.00
18	Fluorene	0.400	0.397	0.8	93	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	92	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.381	4.8	77	0.00
21	4-Bromophenyl-phenylether	0.400	0.386	3.5	93	0.00
22	Hexachlorobenzene	0.400	0.421	-5.2	97	0.00
23	Atrazine	0.400	0.336	16.0	84	0.00
24	Pentachlorophenol	0.400	0.290	27.5#	79	0.00
25	Phenanthrene	0.400	0.391	2.3	93	0.00
26	Anthracene	0.400	0.371	7.3	90	0.00
27 SURR	Fluoranthene-d10	0.400	0.352	12.0	85	0.00
28	Fluoranthene	0.400	0.366	8.5	89	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	79	0.00
30	Pyrene	0.400	0.443	-10.7	86	0.00
31 S	Terphenyl-d14	0.400	0.421	-5.2	83	0.00
32	Benzo(a)anthracene	0.400	0.365	8.8	76	0.00
33	Chrysene	0.400	0.408	-2.0	81	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.405	-1.3	84	0.00
35 I	Perylene-d12	0.400	0.400	0.0	76	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.426	-6.5	83	0.00
37	Benzo(b)fluoranthene	0.400	0.400	0.0	80	0.00
38	Benzo(k)fluoranthene	0.400	0.408	-2.0	82	0.00
39 C	Benzo(a)pyrene	0.400	0.396	1.0	78	0.00
40	Dibenzo(a,h)anthracene	0.400	0.427	-6.7	85	0.00
41	Benzo(g,h,i)perylene	0.400	0.441	-10.2	85	0.00

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



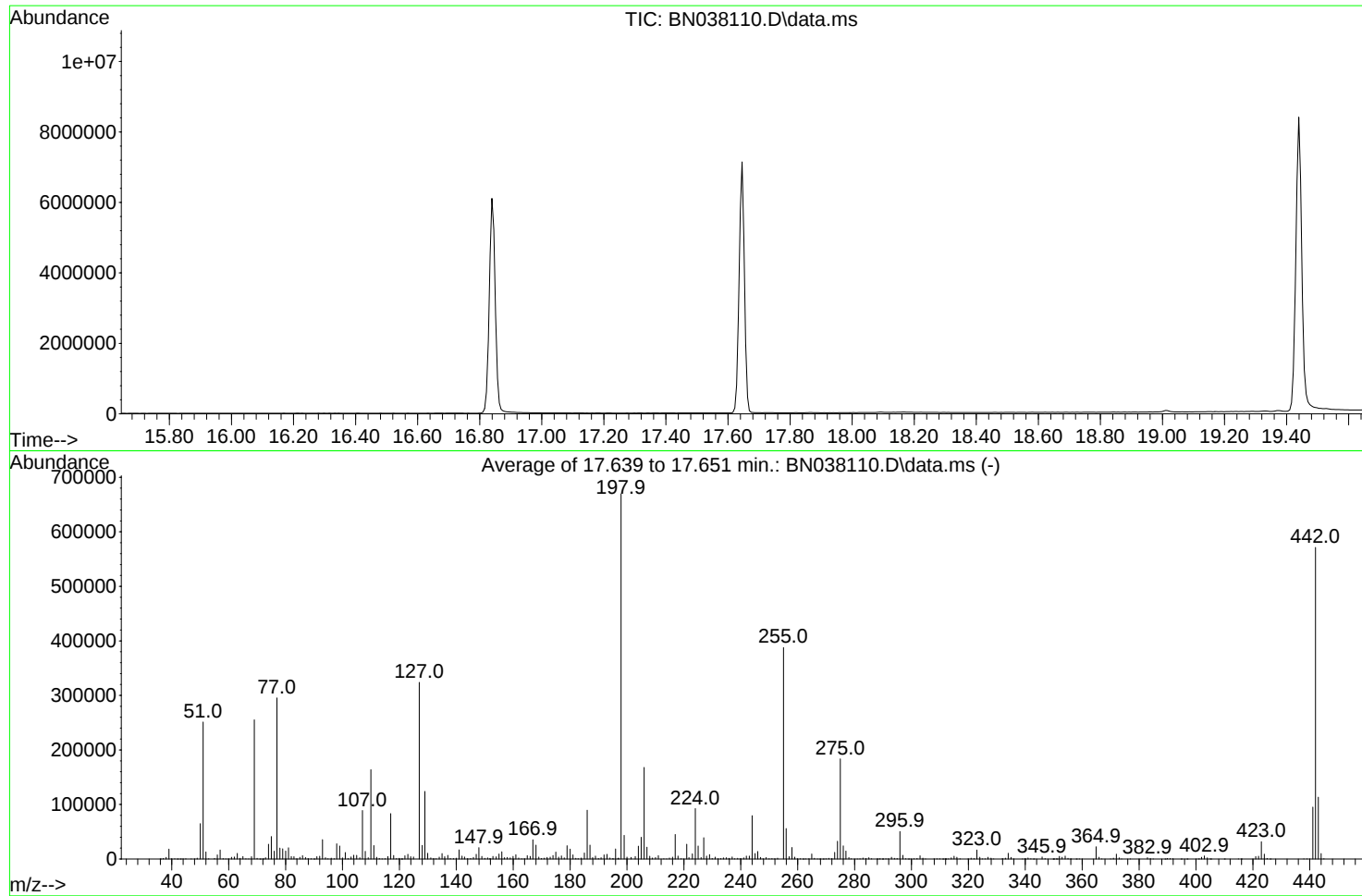
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



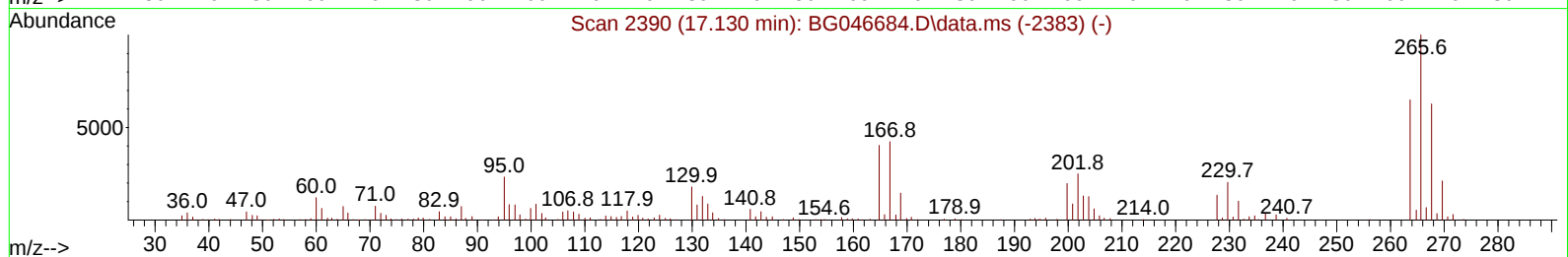
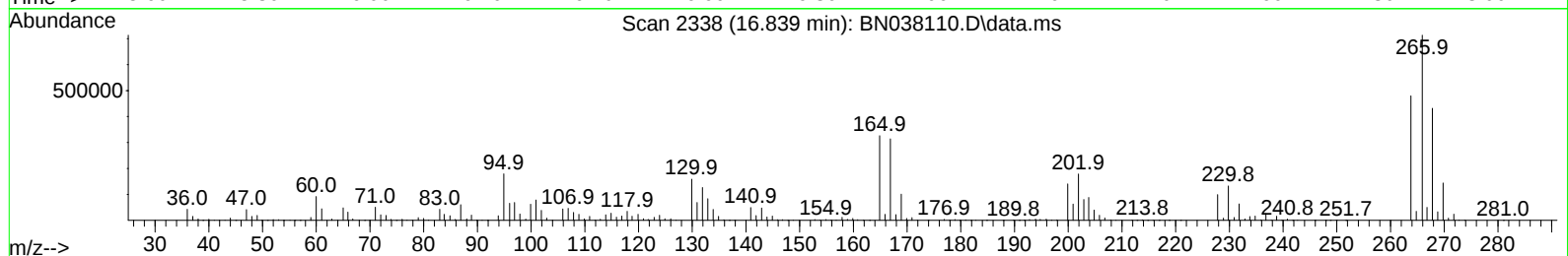
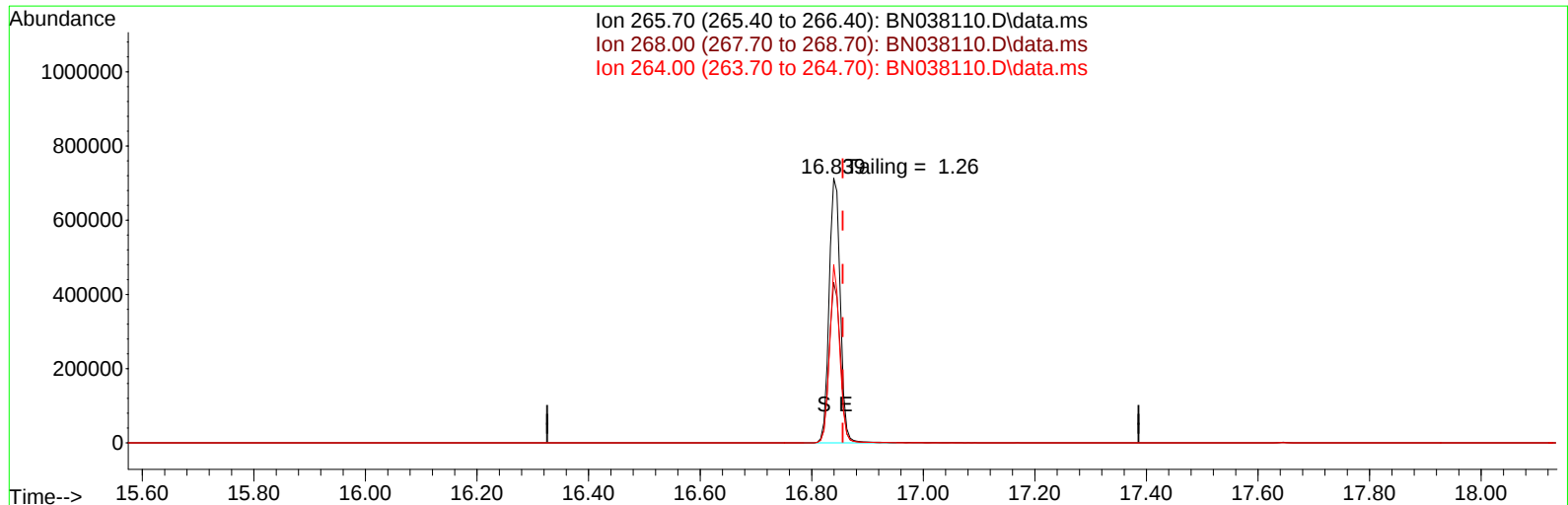
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4477	PASS
69	69	100	100	100.0	255398	PASS
70	69	0.00	2	0.5	1371	PASS
197	198	0.00	2	0.2	1550	PASS
198	198	100	100	100.0	669440	PASS
199	198	5	9	6.5	43461	PASS
365	198	1	100	3.4	22528	PASS
441	443	0.01	150	83.9	95293	PASS
442	442	100	100	100.0	571285	PASS
443	442	15	24	19.9	113539	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 28 18:06:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 12:54:48 2025
Response via : Initial Calibration



TIC: BN038110.D\data.ms

(70) Pentachlorophenol (C)

16.839min (-0.017) 31764.46 ng

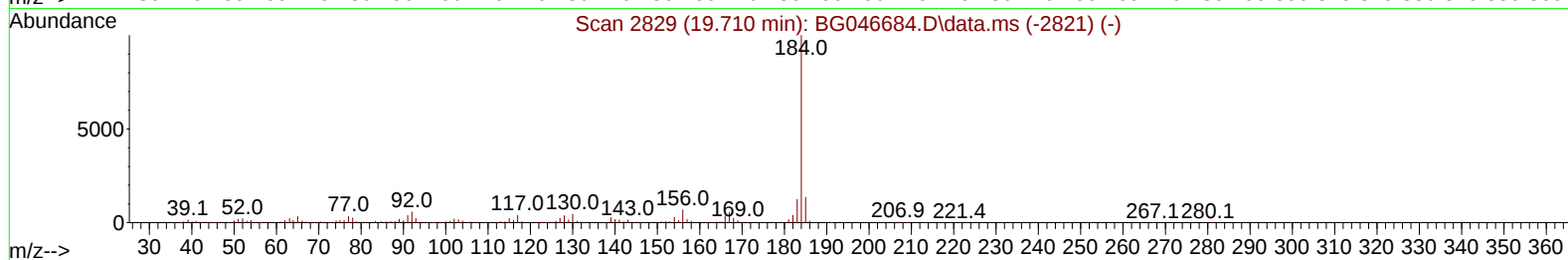
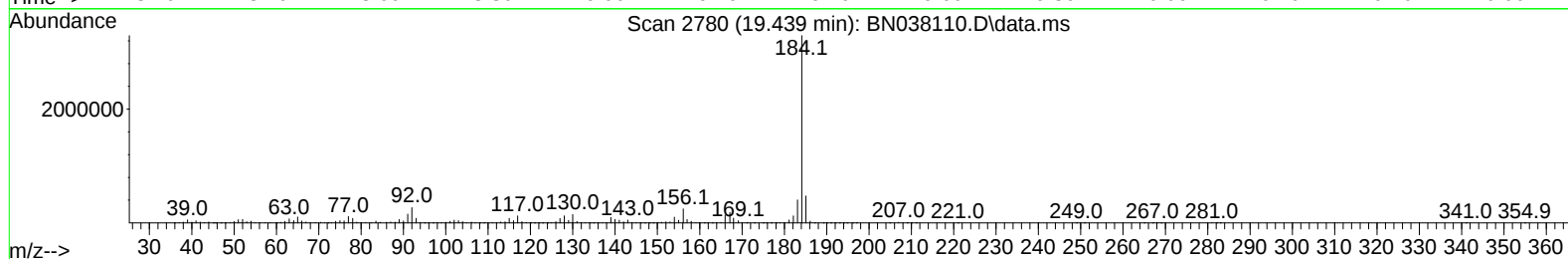
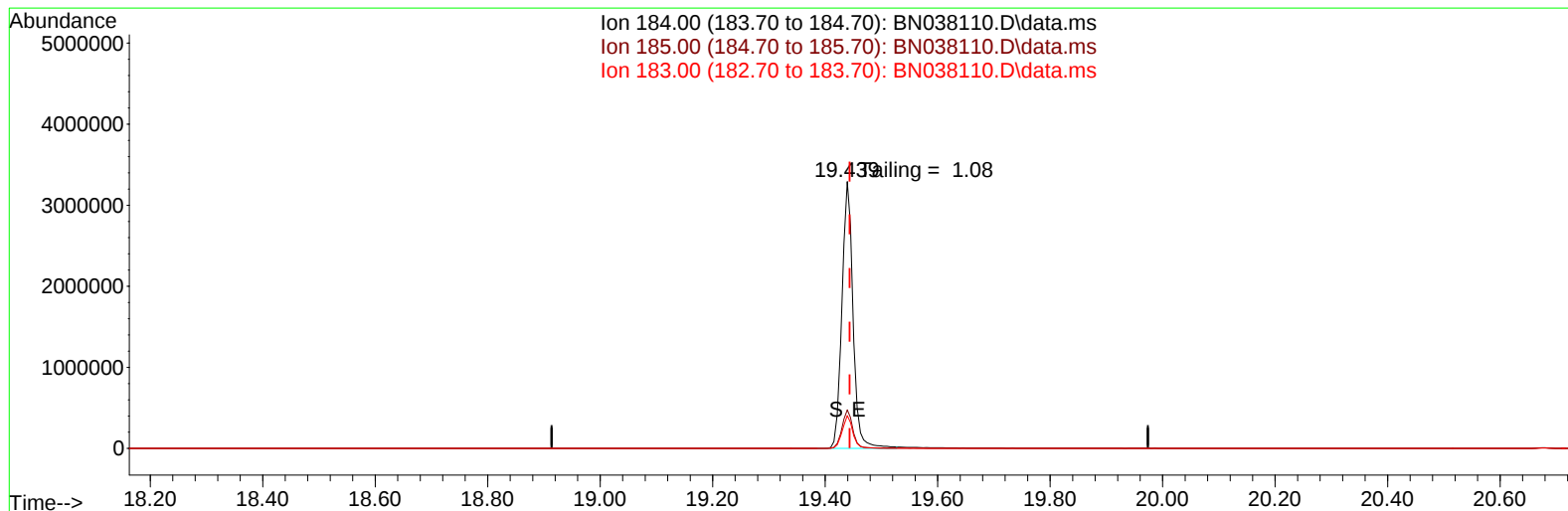
response 993628

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.51
264.00	61.60	67.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 28 18:06:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 12:54:48 2025
Response via : Initial Calibration



TIC: BN038110.D\data.ms

(77) Benizidine

19.439min (-0.005) 0.00 ng

response 4602519

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.42
183.00	13.20	12.28
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_N	<u>BN038110.D</u>
Compound Name	Response	Retention Time
DDT	2477320	20.674
DDD	29265	20.233
DDE	1740	19.733
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
31005	2508325	1.24

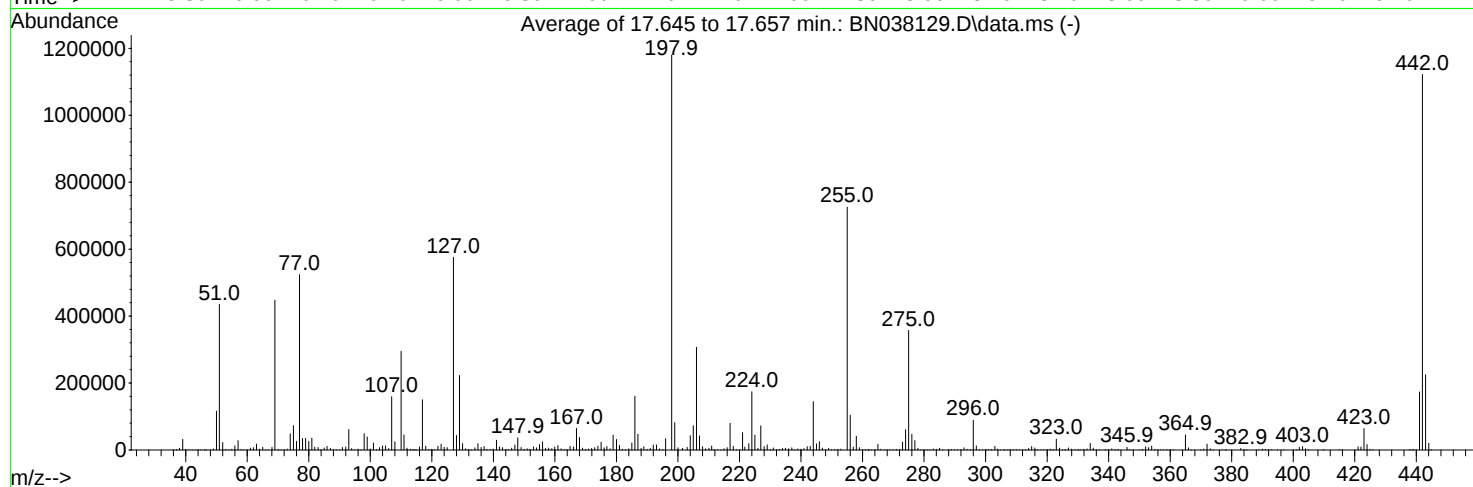
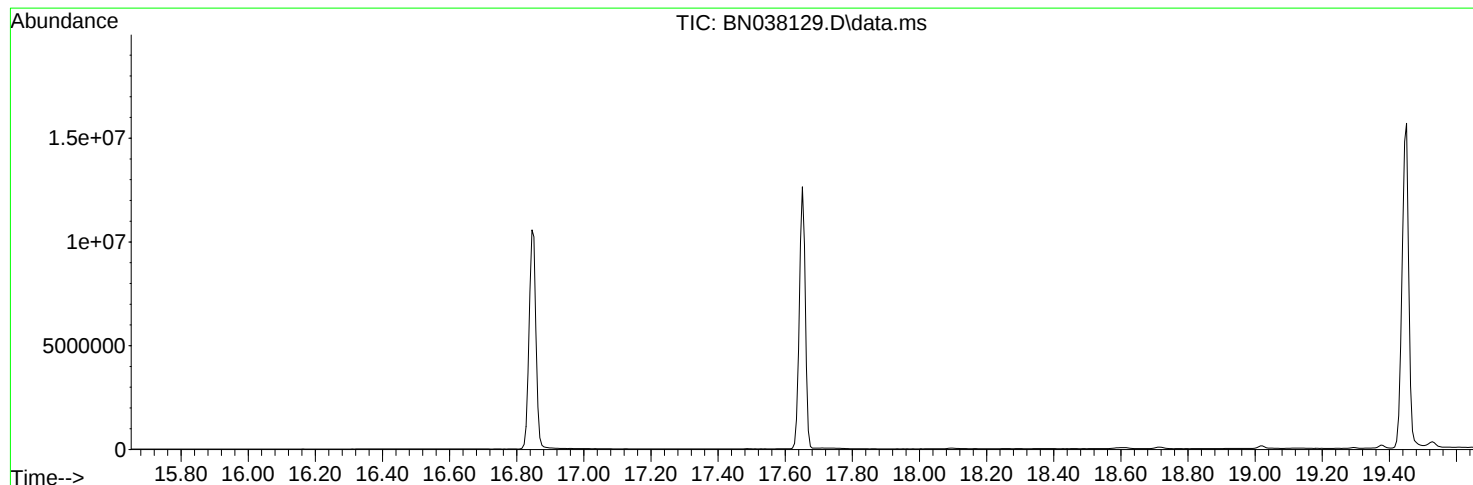
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
Data File : BN038129.D
Acq On : 04 Nov 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



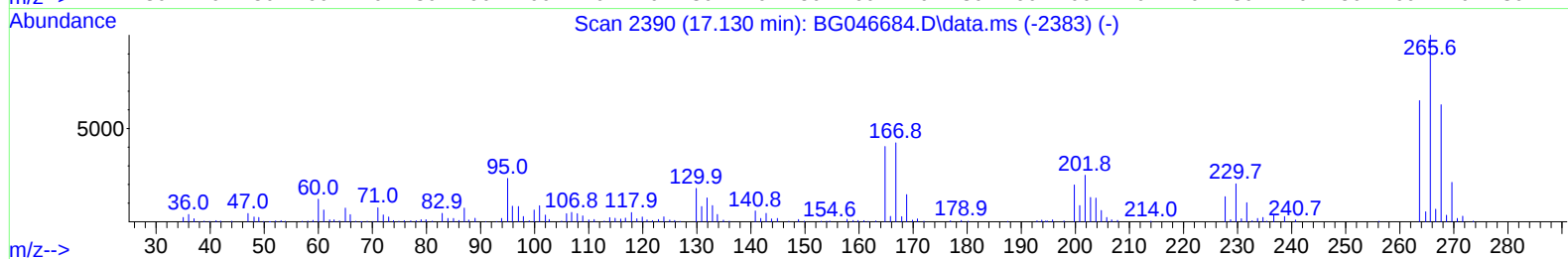
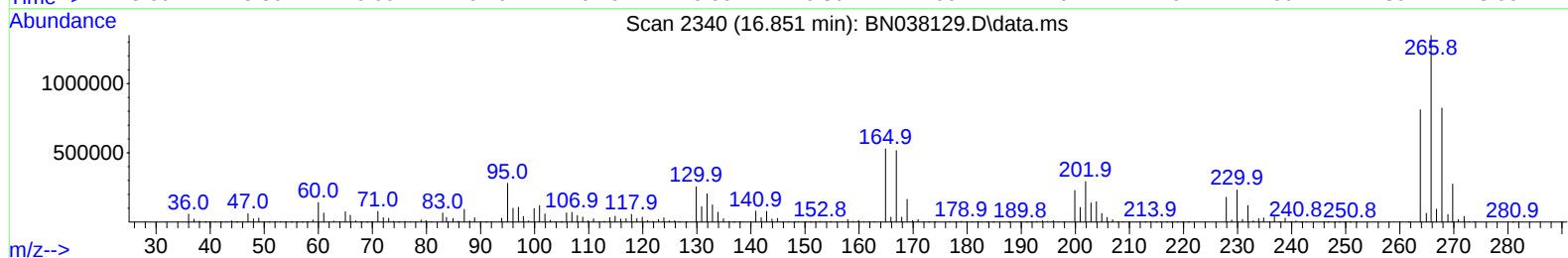
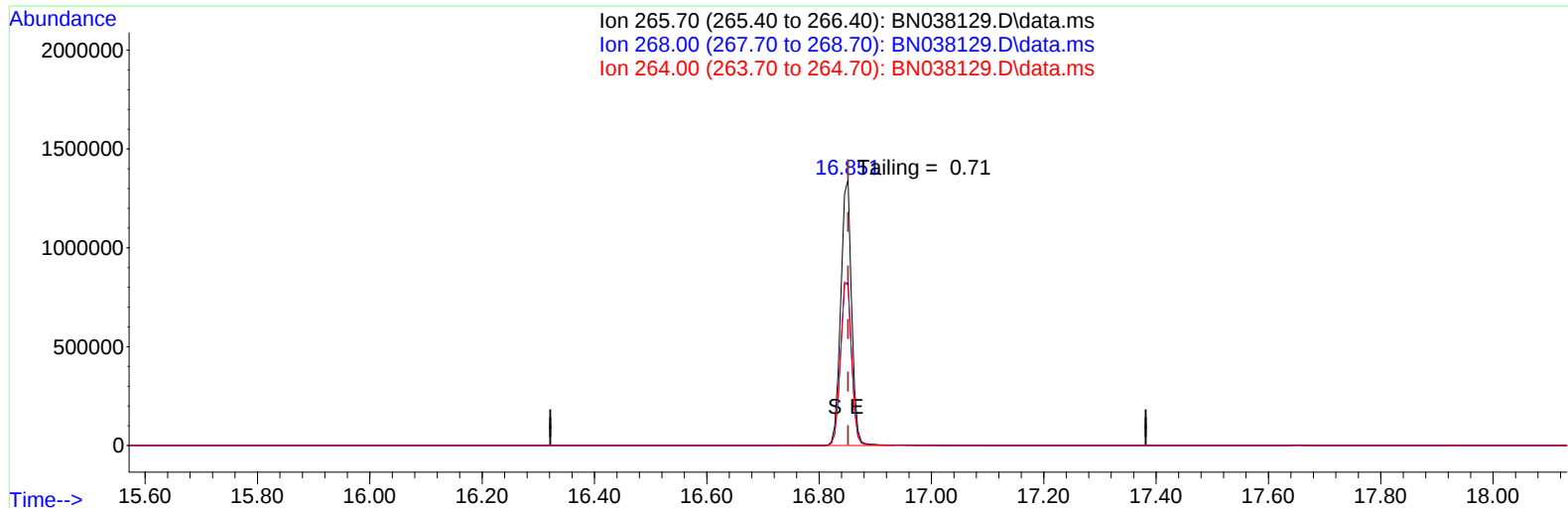
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2467

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	7977	PASS
69	69	100	100	100.0	447289	PASS
70	69	0.00	2	0.5	2389	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1179904	PASS
199	198	5	9	6.9	81427	PASS
365	198	1	100	3.8	44821	PASS
441	443	0.01	150	77.2	173248	PASS
442	442	100	100	100.0	1122112	PASS
443	442	15	24	20.0	224533	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
Data File : BN038129.D
Acq On : 04 Nov 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 04 14:05:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 04 14:05:21 2025
Response via : Initial Calibration



TIC: BN038129.D\data.ms

(70) Pentachlorophenol (C)

16.851min (0.000) 277.93 ng

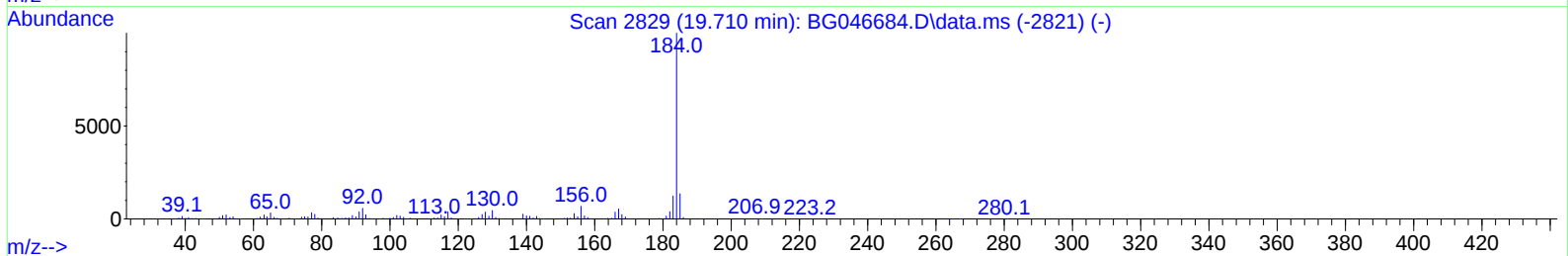
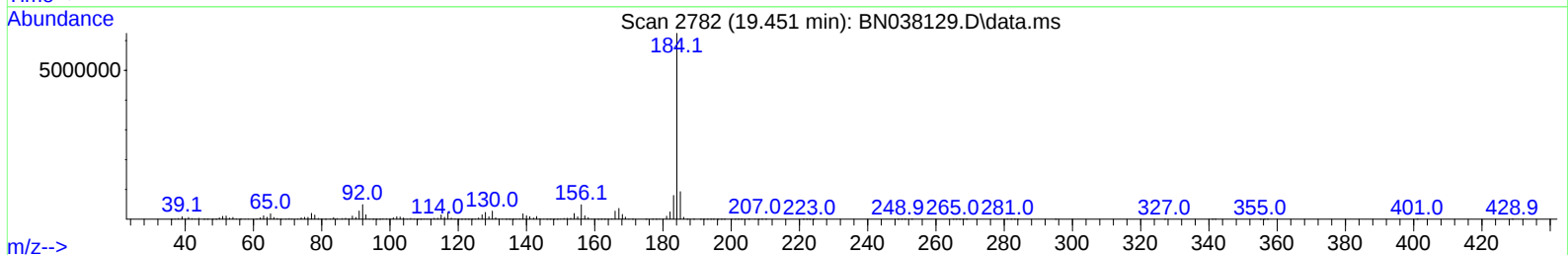
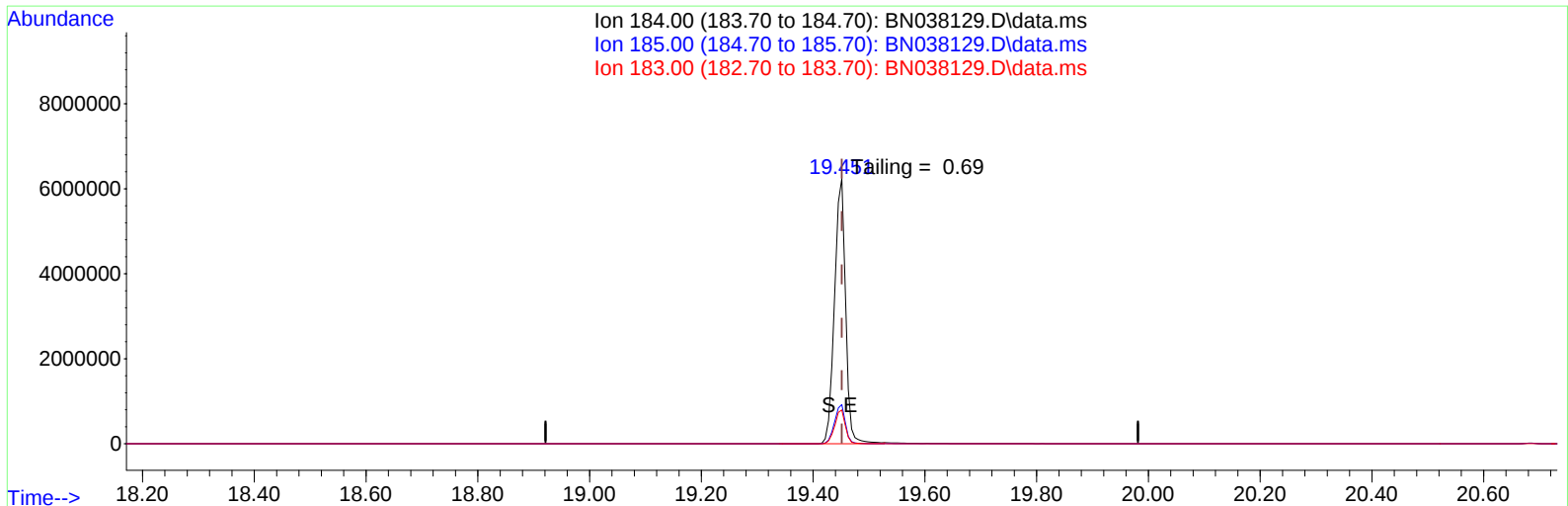
response 1813451

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	61.08
264.00	61.60	60.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
Data File : BN038129.D
Acq On : 04 Nov 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 04 14:05:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 04 14:05:21 2025
Response via : Initial Calibration



TIC: BN038129.D\data.ms

(77) Benzidine

19.451min (0.000) 0.00 ng

response 8673581

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.80
183.00	13.20	12.79
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/4/2025	BNA_N	<u>BN038129.D</u>
Compound Name	Response	Retention Time
DDT	4564306	20.686
DDD	39263	20.233
DDE	2743	19.733
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
42006	4606312	0.91

Instrument :
BNA_N
ClientSampleId :
DFTPP



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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Communipaw		Date Received:	
Client Sample ID:	PB170381BL		SDG No.:	Q3494
Lab Sample ID:	PB170381BL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
56-55-3	Benzo(a)anthracene	0.040	U	1	0.040	0.10	ug/L	11/04/25 11:43	PB170381
205-99-2	Benzo(b)fluoranthene	0.040	U	1	0.040	0.10	ug/L	11/04/25 11:43	PB170381
207-08-9	Benzo(k)fluoranthene	0.050	U	1	0.050	0.10	ug/L	11/04/25 11:43	PB170381
50-32-8	Benzo(a)pyrene	0.040	U	1	0.040	0.10	ug/L	11/04/25 11:43	PB170381
191-24-2	Benzo(g,h,i)perylene	0.040	U	1	0.040	0.10	ug/L	11/04/25 11:43	PB170381
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (20) - 150 (139)	83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			30 (27) - 130 (154)	88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			30 (30) - 130 (155)	97%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.46			30 (54) - 130 (175)	114%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8220							
1146-65-2	Naphthalene-d8	22200							
15067-26-2	Acenaphthene-d10	11600							
1517-22-2	Phenanthrene-d10	21800							
1719-03-5	Chrysene-d12	15200							
1520-96-3	Perylene-d12	13200							

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\BN110425\
 Data File : BN038131.D
 Acq On : 04 Nov 2025 11:43
 Operator : RC/JU
 Sample : PB170381BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170381BL

Quant Time: Nov 04 12:07:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	8221	0.400	ng	0.01
7) Naphthalene-d8	10.594	136	22221	0.400	ng	0.02
13) Acenaphthene-d10	14.441	164	11601	0.400	ng	0.01
19) Phenanthrene-d10	17.198	188	21781	0.400	ng	0.01
29) Chrysene-d12	21.384	240	15202	0.400	ng	0.00
35) Perylene-d12	23.695	264	13241	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.363	112	6175	0.319	ng	0.01
5) Phenol-d6	6.952	99	7077	0.300	ng	0.01
8) Nitrobenzene-d5	8.939	82	6330	0.353	ng	0.01
11) 2-Methylnaphthalene-d10	12.187	152	10488	0.331	ng	0.01
14) 2,4,6-Tribromophenol	15.945	330	557	0.117	ng	0.01
15) 2-Fluorobiphenyl	13.073	172	18033	0.388	ng	0.02
27) Fluoranthene-d10	19.229	212	19315	0.352	ng	0.00
31) Terphenyl-d14	19.829	244	15022	0.455	ng	0.00

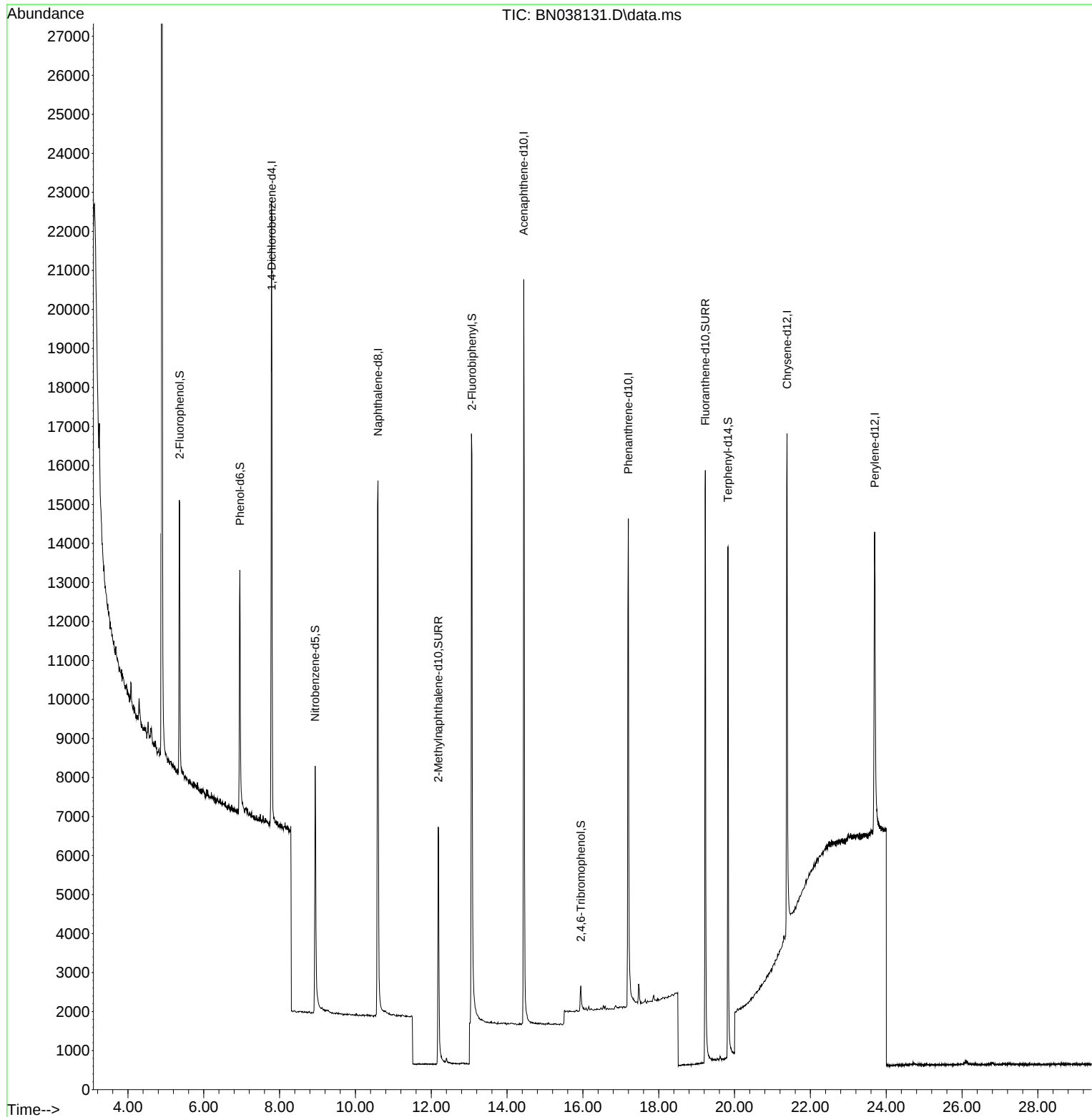
Target Compounds	Qvalue
-----	-----

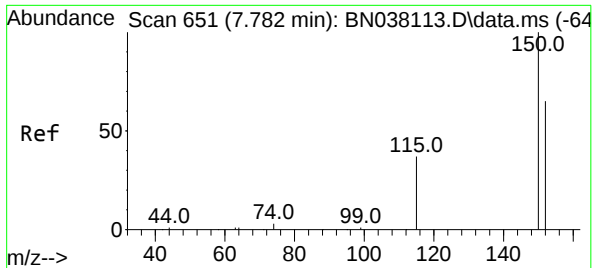
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038131.D
Acq On : 04 Nov 2025 11:43
Operator : RC/JU
Sample : PB170381BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170381BL

Quant Time: Nov 04 12:07:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

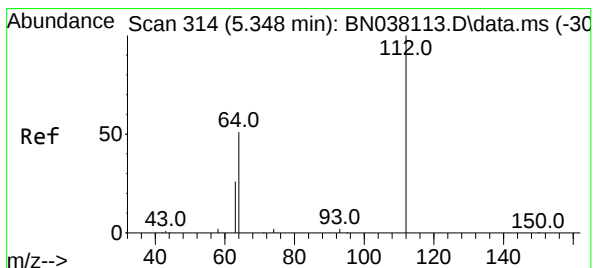
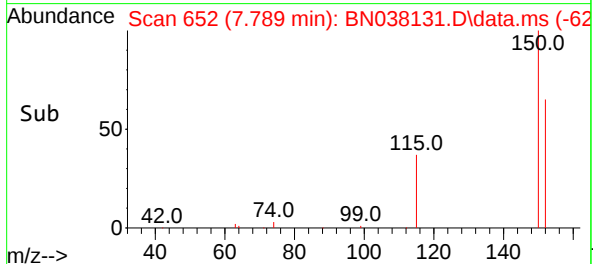
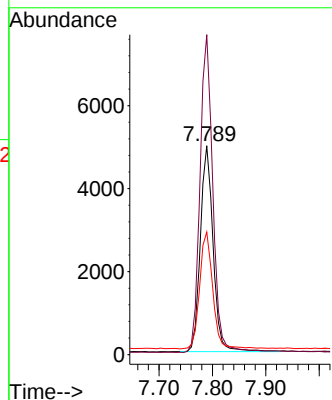
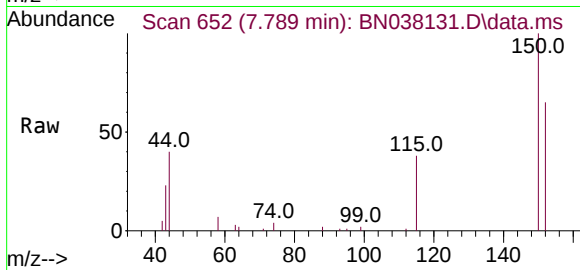




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

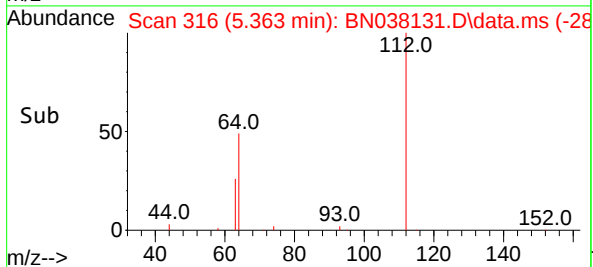
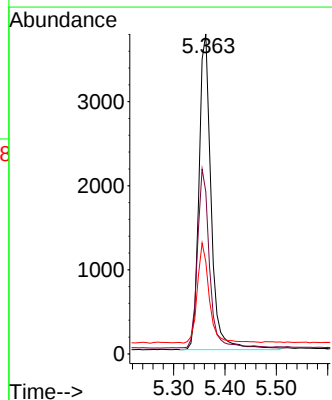
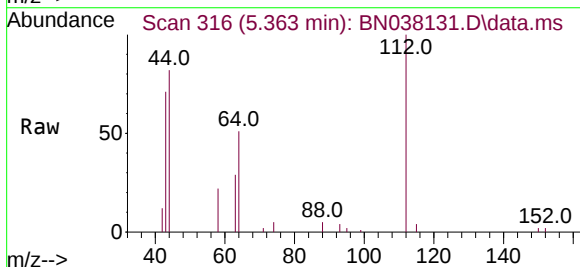
Instrument :
BNA_N
ClientSampleId :
PB170381BL

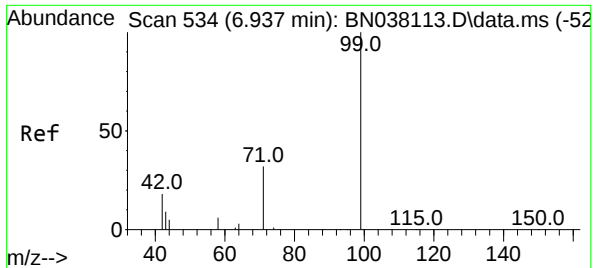
Tgt Ion:152 Resp: 8221
Ion Ratio Lower Upper
152 100
150 153.2 122.3 183.5
115 58.7 47.4 71.0



#4
2-Fluorophenol
Concen: 0.319 ng
RT: 5.363 min Scan# 316
Delta R.T. 0.014 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion:112 Resp: 6175
Ion Ratio Lower Upper
112 100
64 55.6 45.4 68.0
63 30.3 23.2 34.8

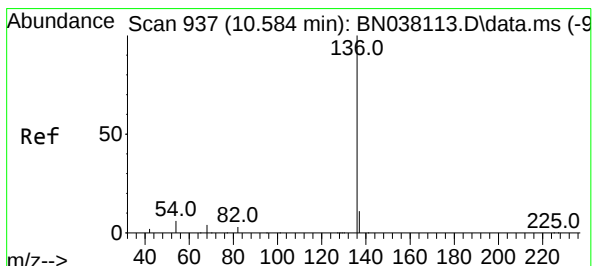
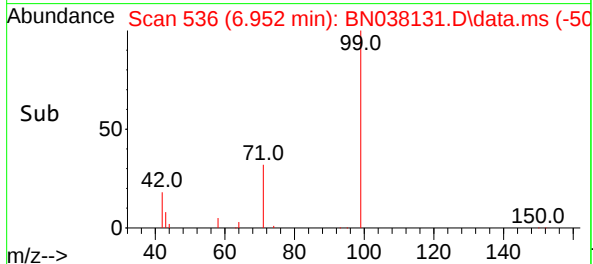
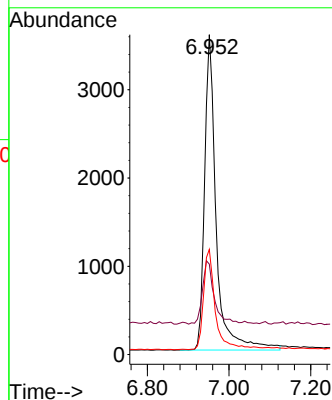
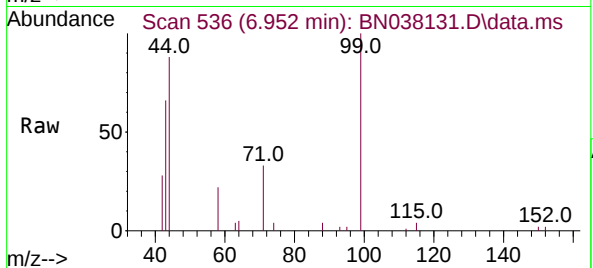




#5
Phenol-d6
Concen: 0.300 ng
RT: 6.952 min Scan# 534
Delta R.T. 0.014 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

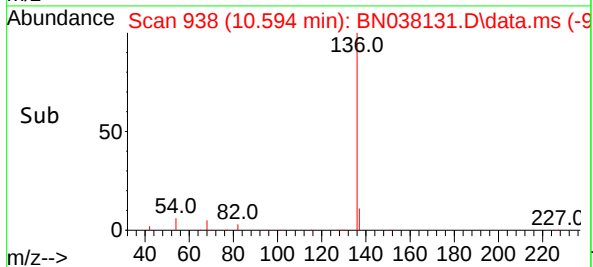
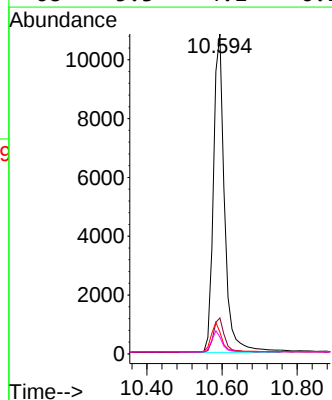
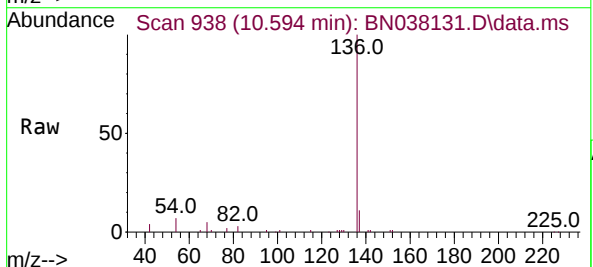
Instrument :
BNA_N
ClientSampleId :
PB170381BL

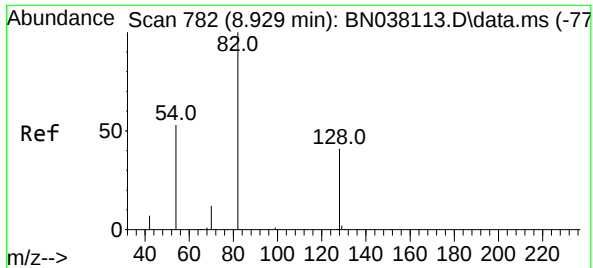
Tgt Ion: 99 Resp: 7077
Ion Ratio Lower Upper
99 100
42 20.3 16.6 24.8
71 31.7 25.4 38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.021 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion: 136 Resp: 22221
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.8 5.2 7.8
68 5.3 4.1 6.1

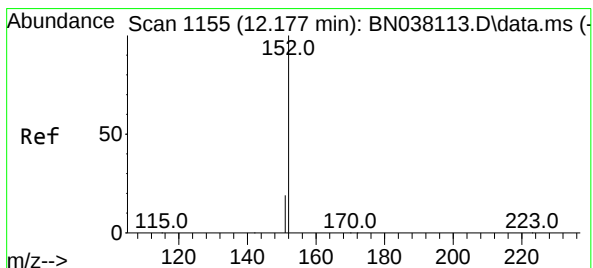
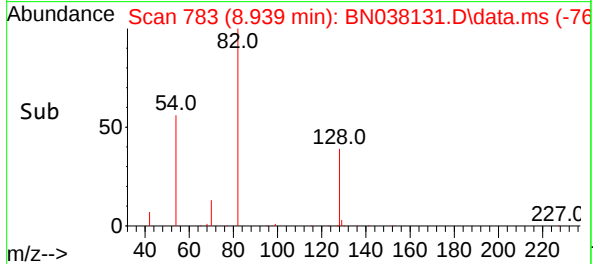
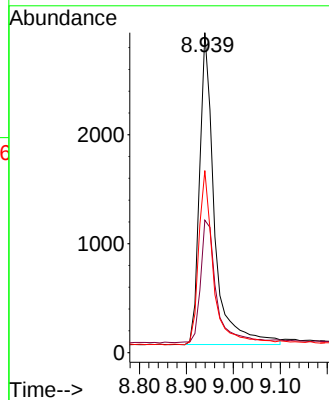
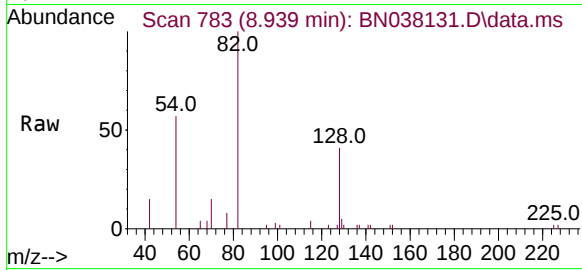




#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.939 min Scan# 782
Delta R.T. 0.011 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

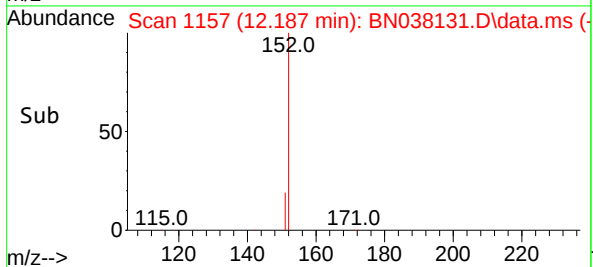
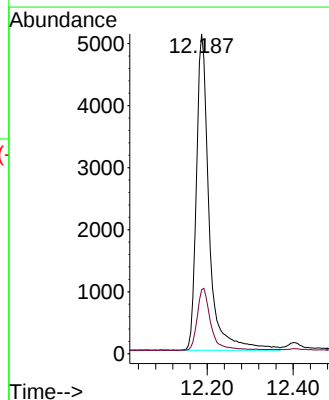
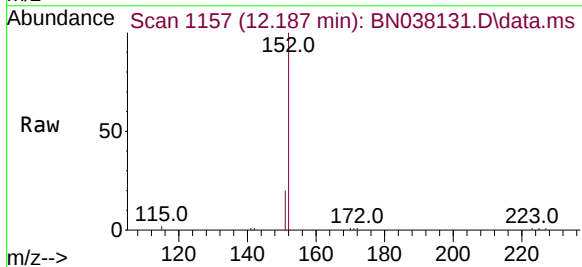
Instrument :
BNA_N
ClientSampleId :
PB170381BL

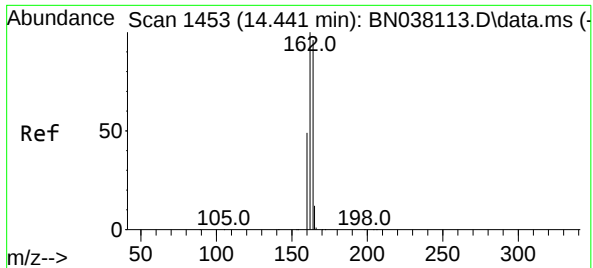
Tgt Ion:	82	Resp:	6330
Ion Ratio	Lower	Upper	
82	100		
128	41.4	34.1	51.1
54	56.9	43.5	65.3



#11
2-Methylnaphthalene-d10
Concen: 0.331 ng
RT: 12.187 min Scan# 1157
Delta R.T. 0.010 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion:	152	Resp:	10488
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.8	25.2

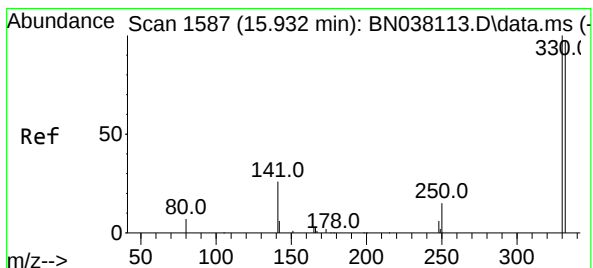
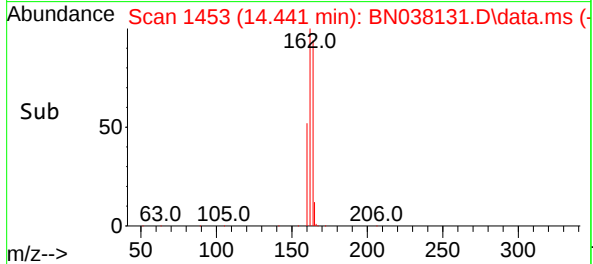
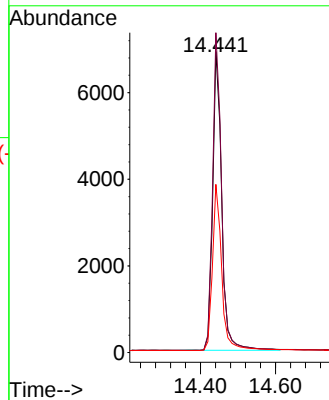
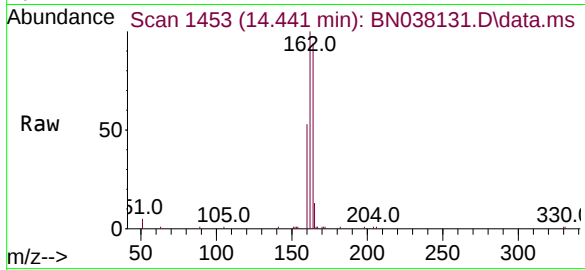




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

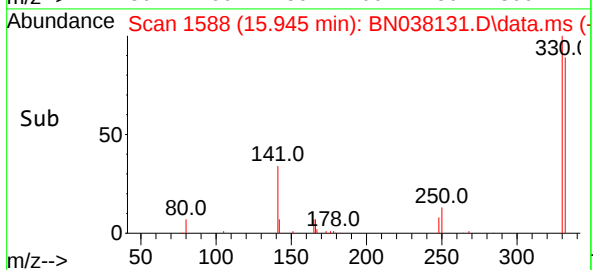
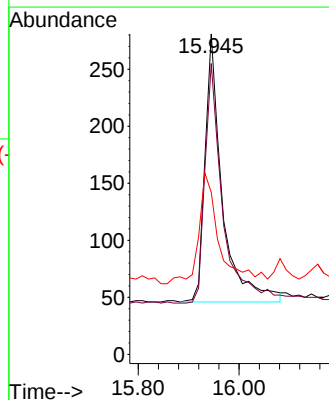
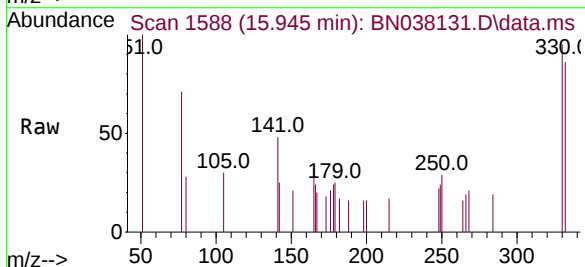
Instrument :
BNA_N
ClientSampleId :
PB170381BL

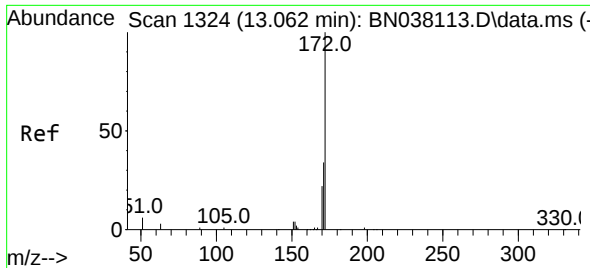
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.0	124.4
160	55.8	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 0.117 ng
RT: 15.945 min Scan# 1588
Delta R.T. 0.013 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.6	114.8
141	49.6	34.1	51.1

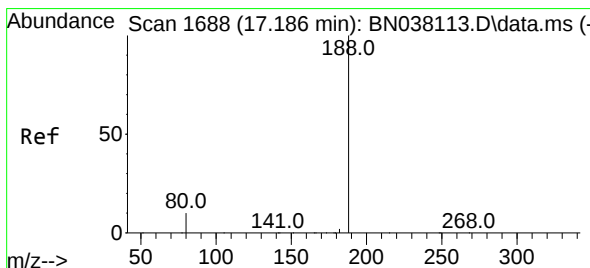
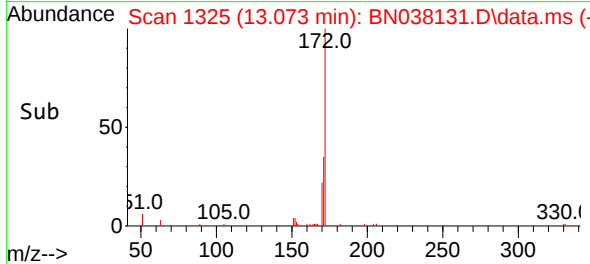
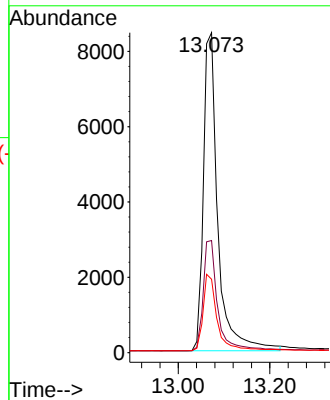
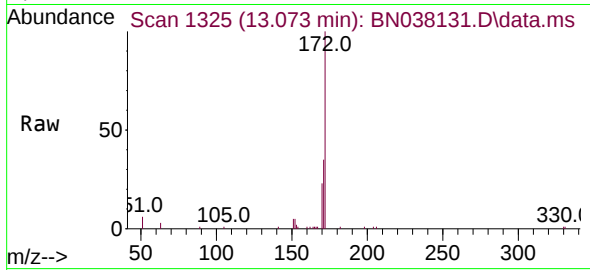




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.073 min Scan# 1324
Delta R.T. 0.021 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

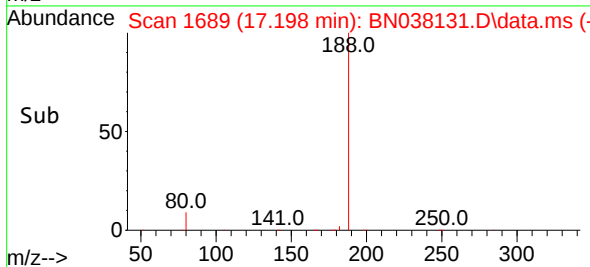
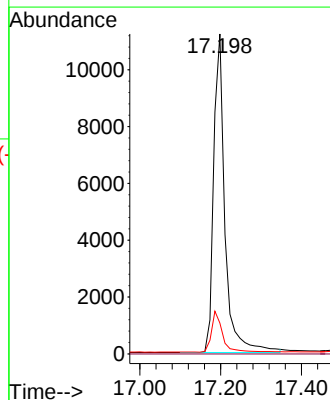
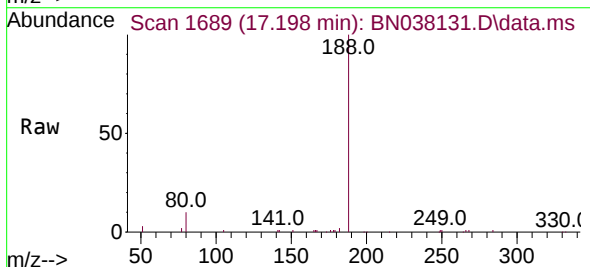
Instrument :
BNA_N
ClientSampleId :
PB170381BL

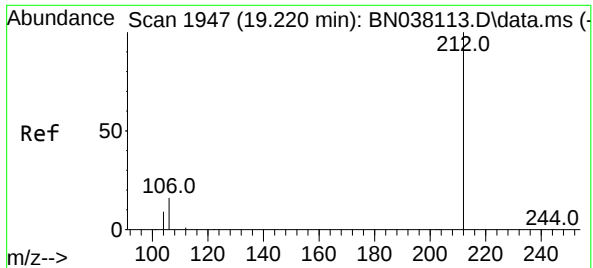
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	22.9	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1689
Delta R.T. 0.012 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	8.6	13.0

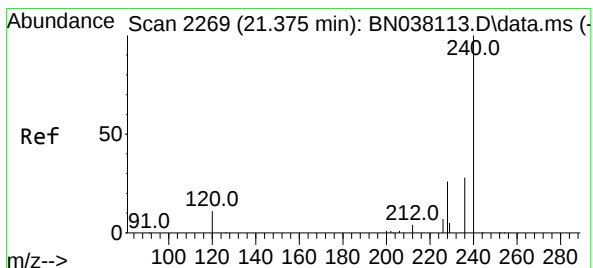
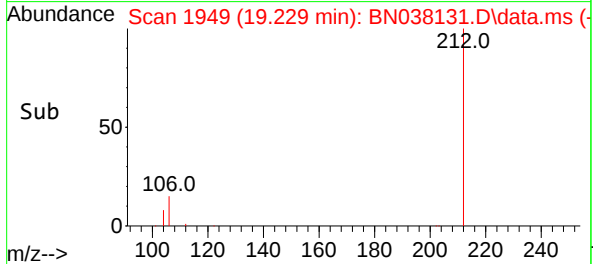
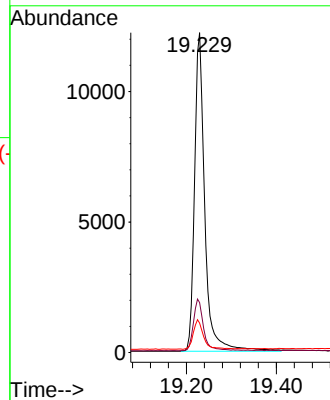
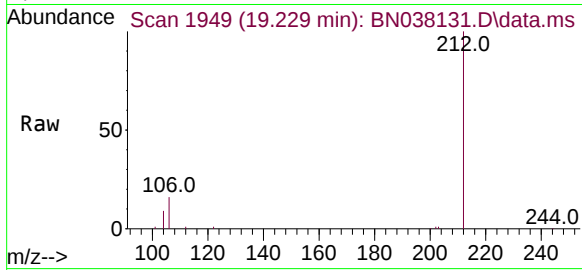




#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.229 min Scan# 19
Delta R.T. 0.009 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

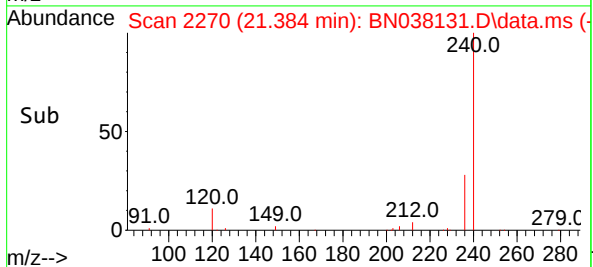
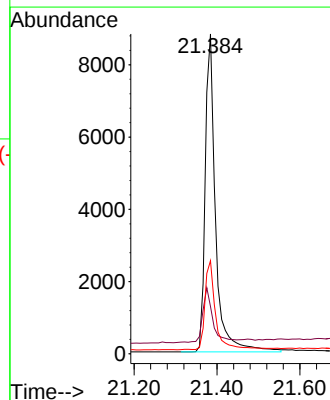
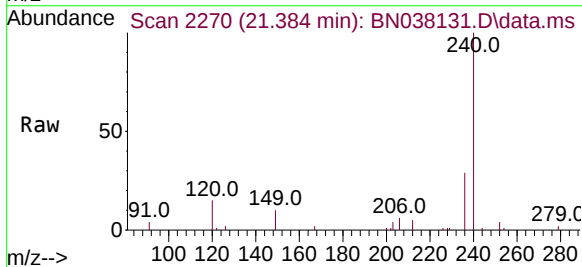
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BNA_N
ClientSampleId :
PB170381BL

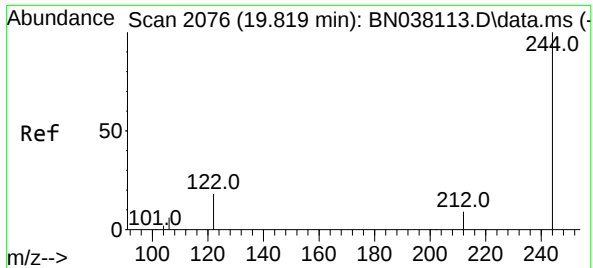
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.3	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2270
Delta R.T. 0.009 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	10.7	16.1
236	29.1	23.1	34.7

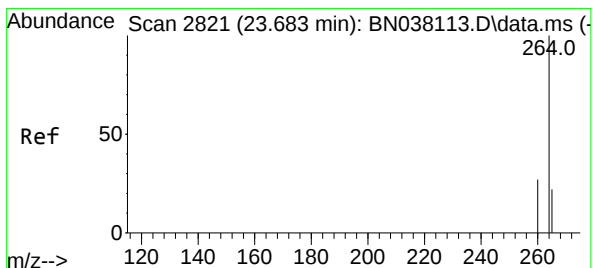
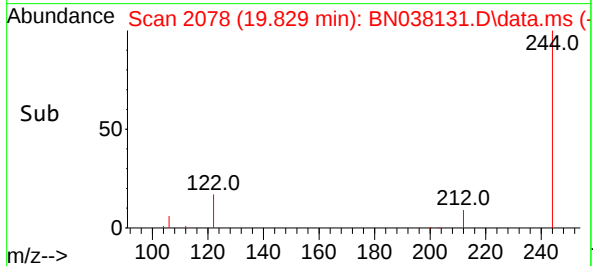
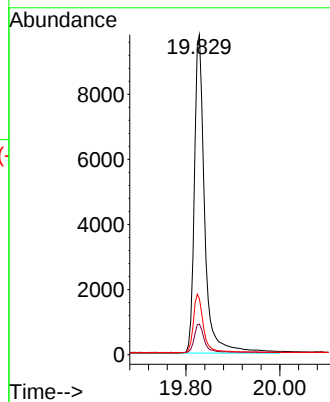
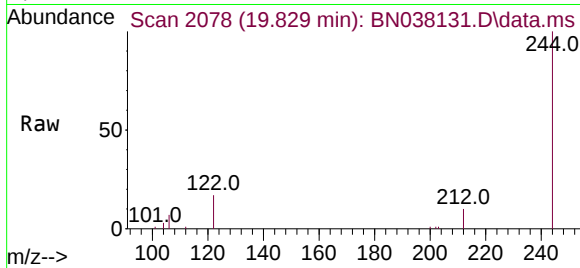




#31
Terphenyl-d14
Concen: 0.455 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

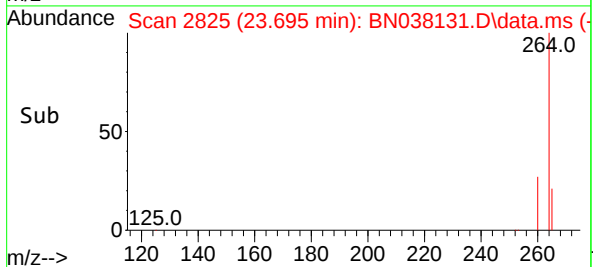
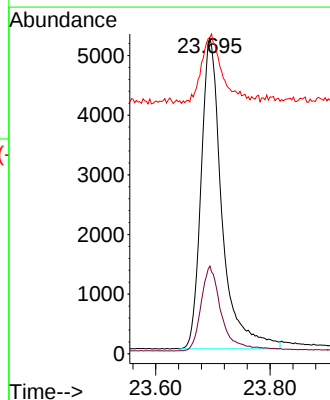
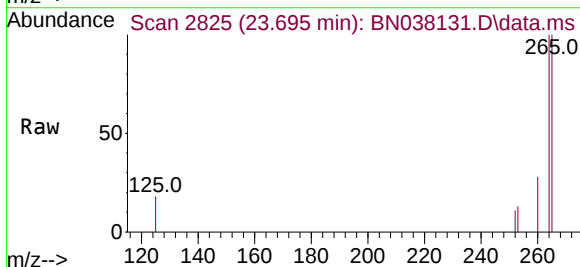
Instrument :
BNA_N
ClientSampleId :
PB170381BL

Tgt Ion:244 Resp: 15022
Ion Ratio Lower Upper
244 100
212 9.5 7.8 11.6
122 17.5 15.2 22.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.695 min Scan# 2825
Delta R.T. 0.015 min
Lab File: BN038131.D
Acq: 04 Nov 2025 11:43

Tgt Ion:264 Resp: 13241
Ion Ratio Lower Upper
264 100
260 27.8 21.8 32.8
265 100.3 68.6 102.8



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Communipaw		Date Received:	
Client Sample ID:	PB170381BS		SDG No.:	Q3494
Lab Sample ID:	PB170381BS		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
56-55-3	Benzo(a)anthracene	0.35		1	0.040	0.10	ug/L	11/04/25 12:19	PB170381
205-99-2	Benzo(b)fluoranthene	0.37		1	0.040	0.10	ug/L	11/04/25 12:19	PB170381
207-08-9	Benzo(k)fluoranthene	0.38		1	0.050	0.10	ug/L	11/04/25 12:19	PB170381
50-32-8	Benzo(a)pyrene	0.39		1	0.040	0.10	ug/L	11/04/25 12:19	PB170381
191-24-2	Benzo(g,h,i)perylene	0.45		1	0.040	0.10	ug/L	11/04/25 12:19	PB170381
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.35			30 (20) - 150 (139)	88%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.30			30 (54) - 150 (157)	76%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (27) - 130 (154)	92%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.42			30 (30) - 130 (155)	104%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.48			30 (54) - 130 (175)	121%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	11500							
1146-65-2	Naphthalene-d8	31800							
15067-26-2	Acenaphthene-d10	16200							
1517-22-2	Phenanthrene-d10	30400							
1719-03-5	Chrysene-d12	16500							
1520-96-3	Perylene-d12	13200							

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\BN110425\
 Data File : BN038132.D
 Acq On : 04 Nov 2025 12:19
 Operator : RC/JU
 Sample : PB170381BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170381BS

Quant Time: Nov 04 12:44:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

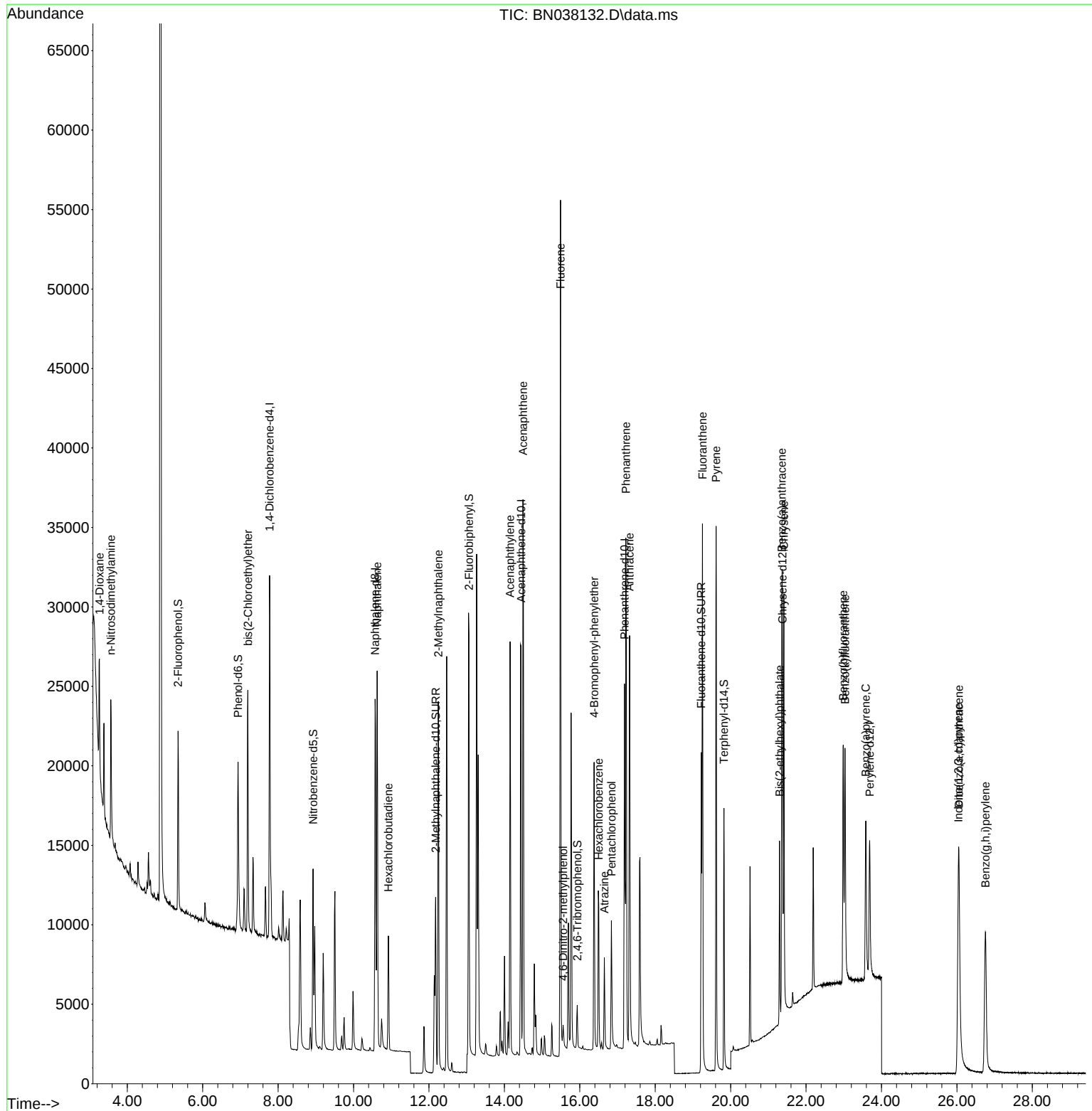
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	11523	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31801	0.400	ng	# 0.00
13) Acenaphthene-d10	14.441	164	16154	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	30417	0.400	ng	0.00
29) Chrysene-d12	21.375	240	16510	0.400	ng	0.00
35) Perylene-d12	23.686	264	13194	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	9248	0.341	ng	0.00
5) Phenol-d6	6.937	99	10615	0.321	ng	0.00
8) Nitrobenzene-d5	8.929	82	9450	0.368	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	15982	0.352	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1687	0.253	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	26882	0.415	ng	0.01
27) Fluoranthene-d10	19.220	212	23204	0.303	ng	0.00
31) Terphenyl-d14	19.824	244	17337	0.483	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	3965	0.333	ng	# 62
3) n-Nitrosodimethylamine	3.564	42	5606	0.366	ng	# 94
6) bis(2-Chloroethyl)ether	7.197	93	11700	0.360	ng	99
9) Naphthalene	10.626	128	31176	0.356	ng	100
10) Hexachlorobutadiene	10.925	225	5678	0.384	ng	# 99
12) 2-Methylnaphthalene	12.248	142	17976	0.308	ng	99
16) Acenaphthylene	14.152	152	28630	0.391	ng	99
17) Acenaphthene	14.494	154	17838	0.349	ng	98
18) Fluorene	15.489	166	24190	0.361	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	1040	0.363	ng	95
21) 4-Bromophenyl-phenylether	16.379	248	7282	0.365	ng	97
22) Hexachlorobenzene	16.503	284	8817	0.389	ng	99
23) Atrazine	16.652	200	4704	0.322	ng	99
24) Pentachlorophenol	16.838	266	4384	0.449	ng	99
25) Phenanthrene	17.223	178	35147	0.364	ng	100
26) Anthracene	17.322	178	30413	0.360	ng	99
28) Fluoranthene	19.252	202	32822	0.304	ng	100
30) Pyrene	19.615	202	31678	0.425	ng	100
32) Benzo(a)anthracene	21.357	228	20604	0.350	ng	99
33) Chrysene	21.411	228	24309	0.380	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	8897	0.287	ng	98
36) Indeno(1,2,3-cd)pyrene	26.036	276	23949	0.442	ng	98
37) Benzo(b)fluoranthene	22.987	252	20712	0.367	ng	98
38) Benzo(k)fluoranthene	23.031	252	21547	0.379	ng	98
39) Benzo(a)pyrene	23.584	252	17494	0.387	ng	98
40) Dibenzo(a,h)anthracene	26.054	278	17865	0.428	ng	99
41) Benzo(g,h,i)perylene	26.756	276	21276	0.447	ng	98

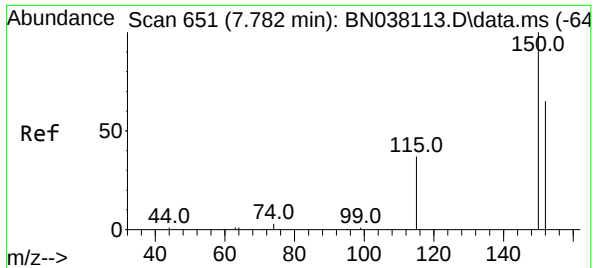
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
Data File : BN038132.D
Acq On : 04 Nov 2025 12:19
Operator : RC/JU
Sample : PB170381BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170381BS

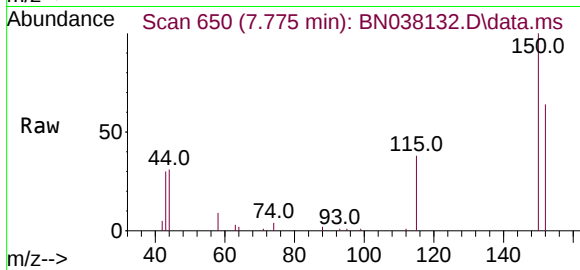
Quant Time: Nov 04 12:44:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



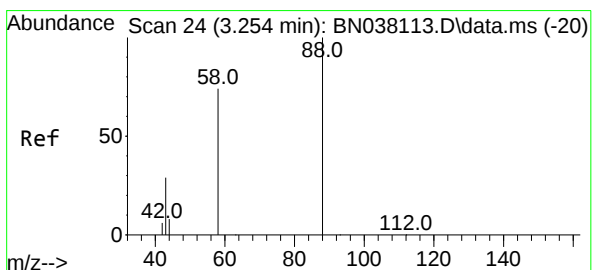
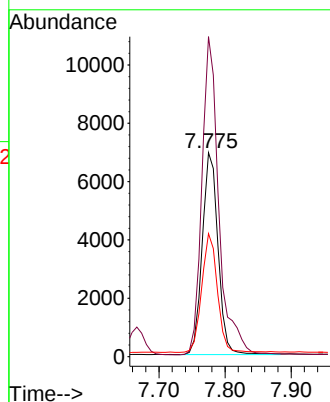
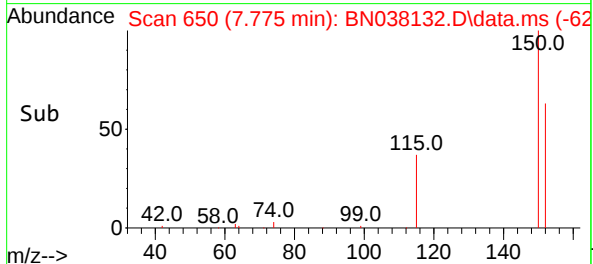


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Instrument :
BNA_N
ClientSampleId :
PB170381BS

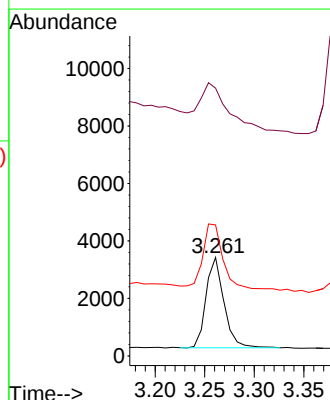
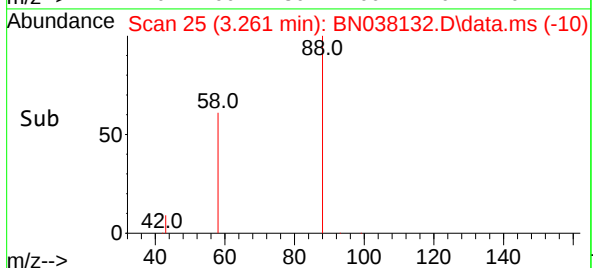
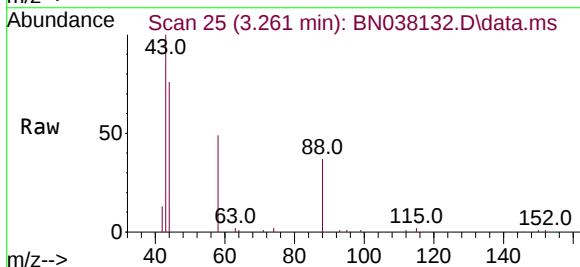


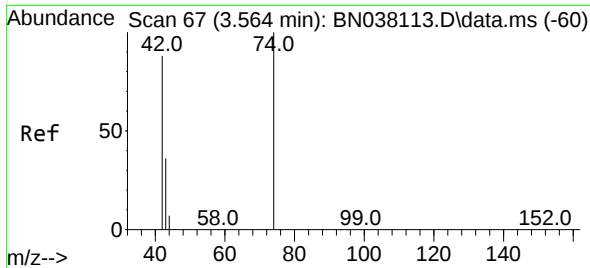
Tgt Ion: 152 Resp: 11523
Ion Ratio Lower Upper
152 100
150 156.9 122.3 183.5
115 60.3 47.4 71.0



#2
1,4-Dioxane
Concen: 0.333 ng
RT: 3.261 min Scan# 25
Delta R.T. 0.007 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion: 88 Resp: 3965
Ion Ratio Lower Upper
88 100
43 84.7 24.3 36.5
58 86.6 60.4 90.6

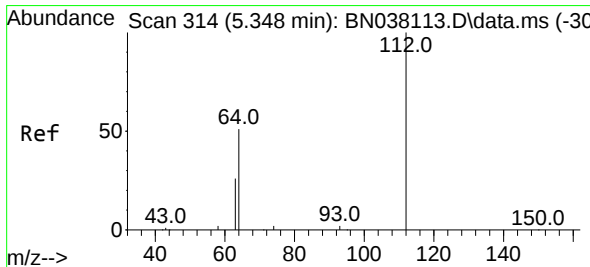
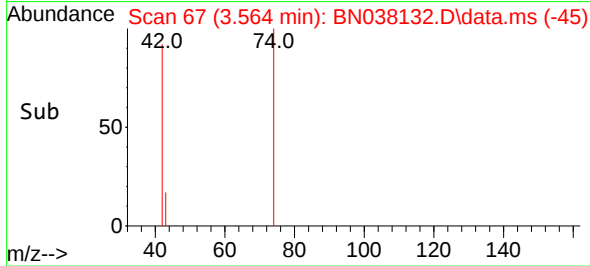
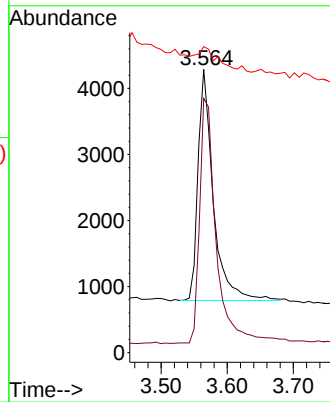
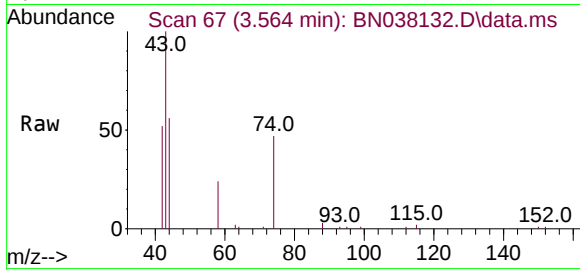




#3
n-Nitrosodimethylamine
Concen: 0.366 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

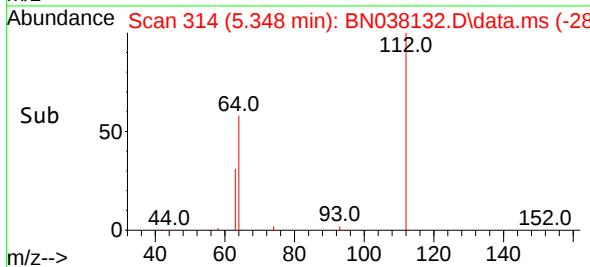
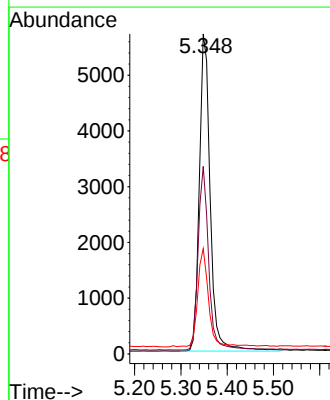
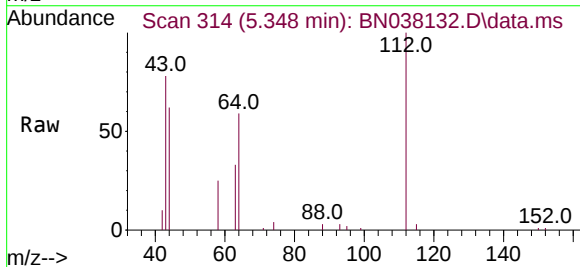
Instrument :
BNA_N
ClientSampleId :
PB170381BS

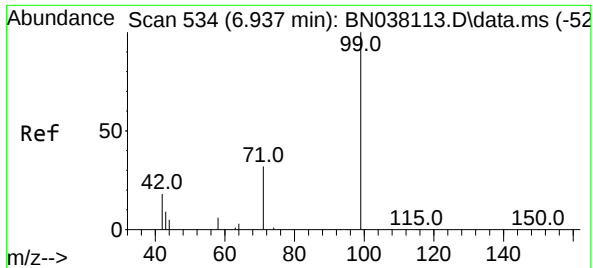
Tgt Ion: 42 Resp: 5606
Ion Ratio Lower Upper
42 100
74 115.6 96.8 145.2
44 14.6 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion: 112 Resp: 9248
Ion Ratio Lower Upper
112 100
64 56.5 45.4 68.0
63 30.1 23.2 34.8

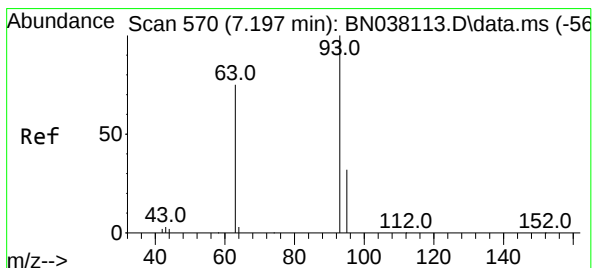
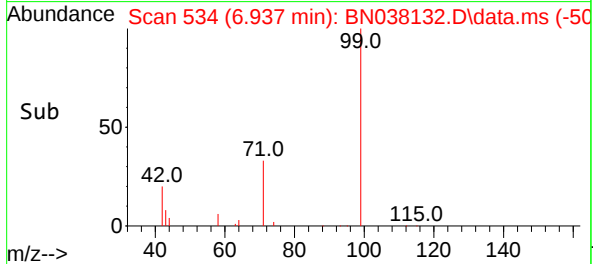
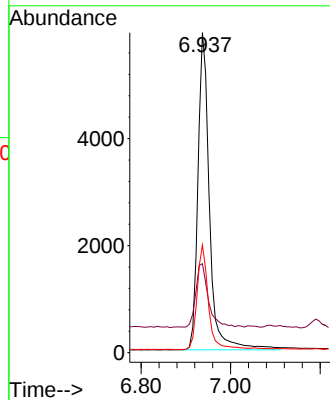
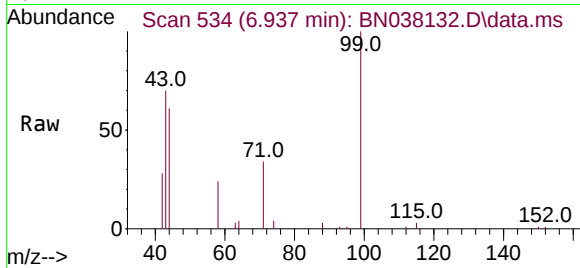




#5
Phenol-d6
Concen: 0.321 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

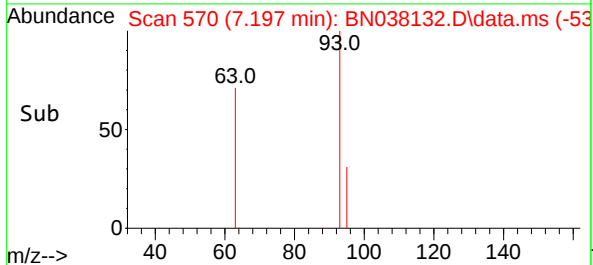
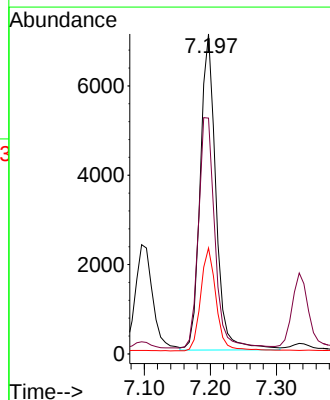
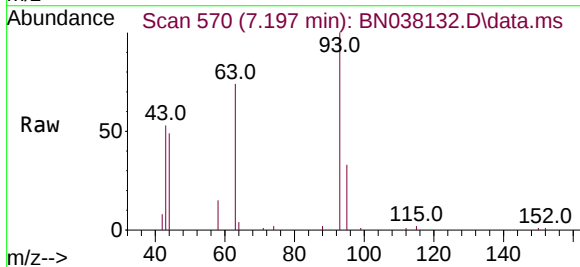
Instrument :
BNA_N
ClientSampleId :
PB170381BS

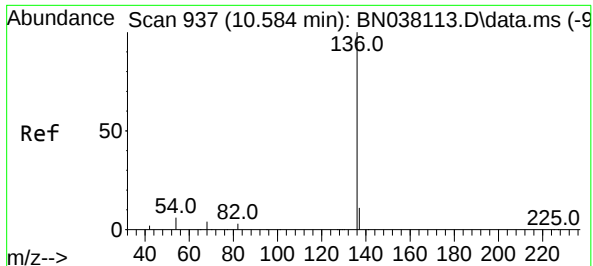
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.6	24.8
71	31.9	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.360 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.6	59.3	88.9
95	31.9	25.2	37.8

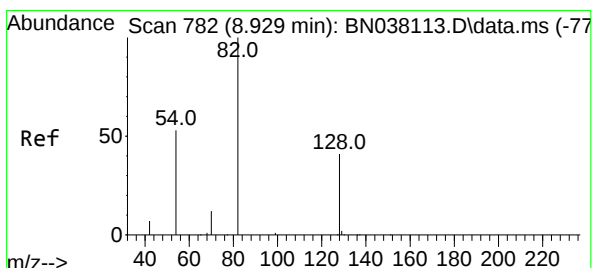
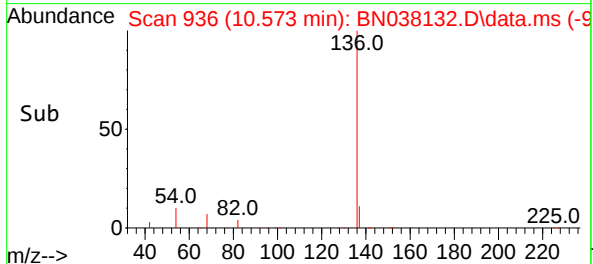
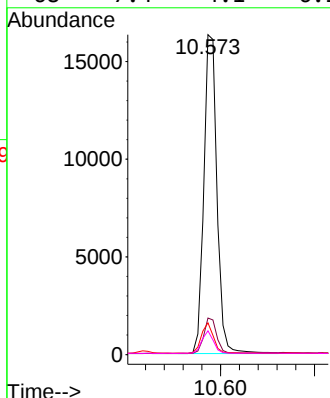
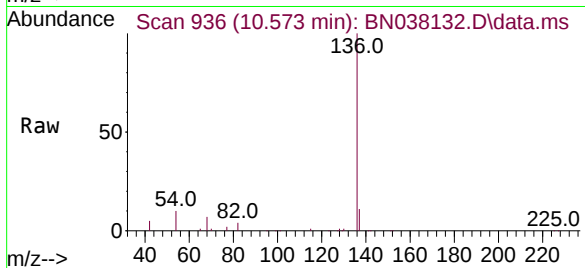




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

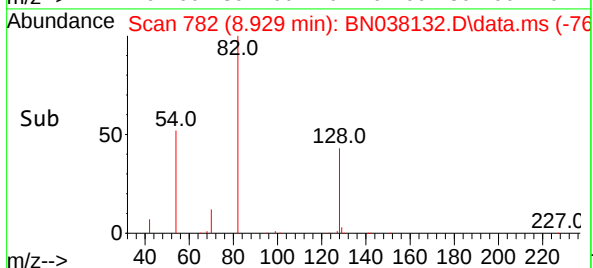
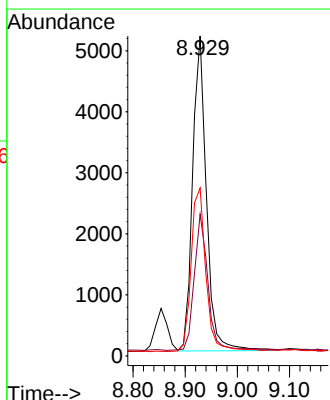
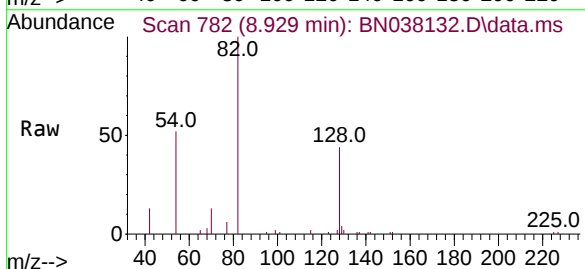
Instrument :
BNA_N
ClientSampleId :
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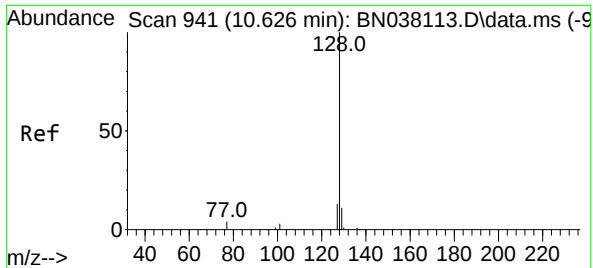
Tgt Ion:	136	Resp:	31801
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.9	5.2	7.8#
68	7.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:	82	Resp:	9450
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.1	51.1
54	52.5	43.5	65.3

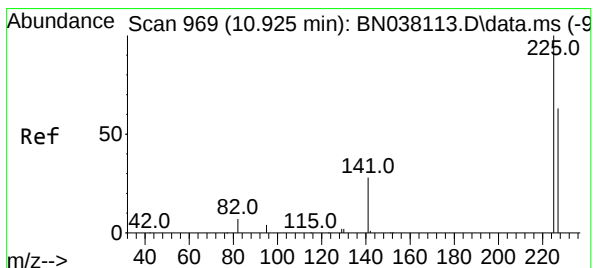
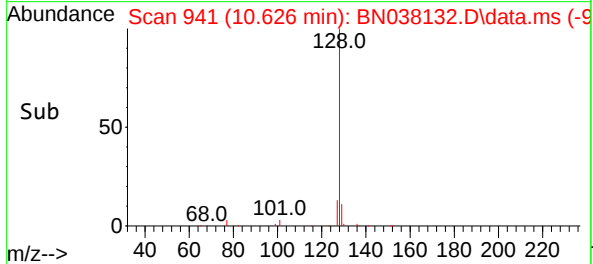
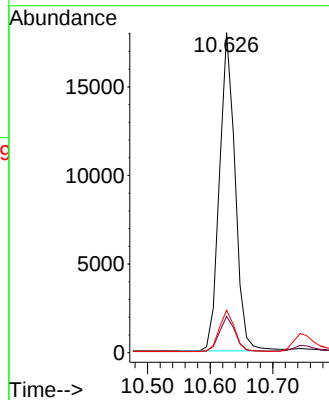
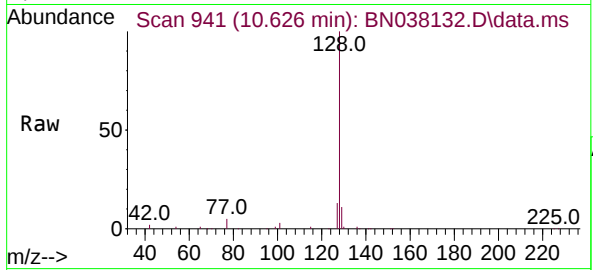




#9
Naphthalene
Concen: 0.356 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

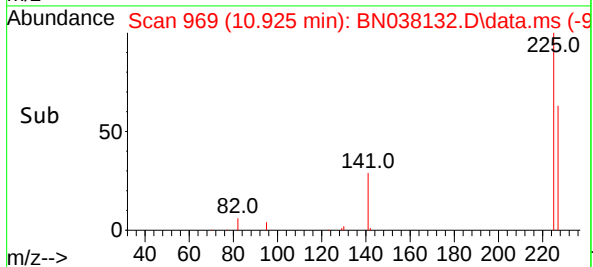
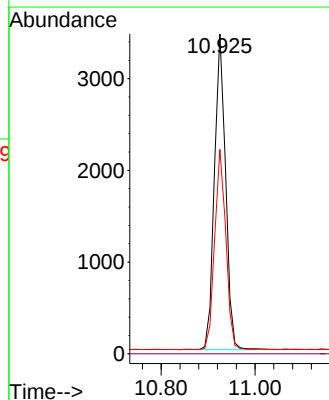
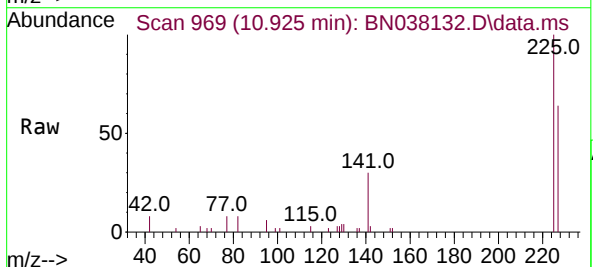
Instrument :
BNA_N
ClientSampleId :
PB170381BS

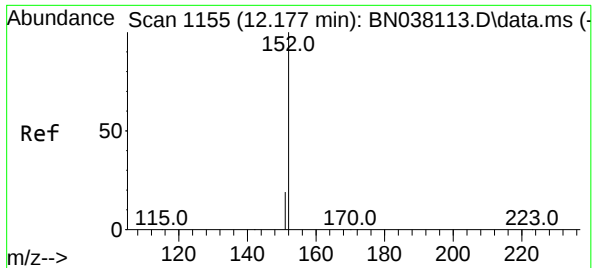
Tgt Ion:128 Resp: 31176
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.3 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:225 Resp: 5678
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 50.3 75.5

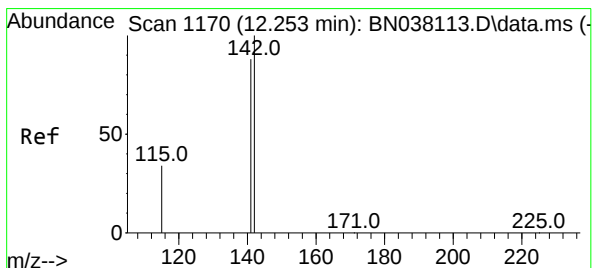
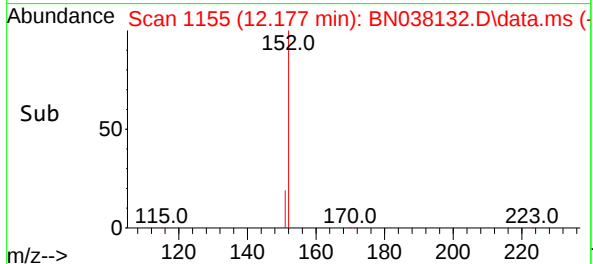
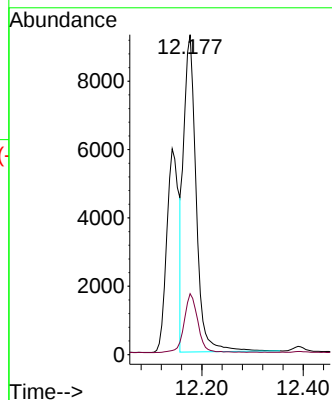
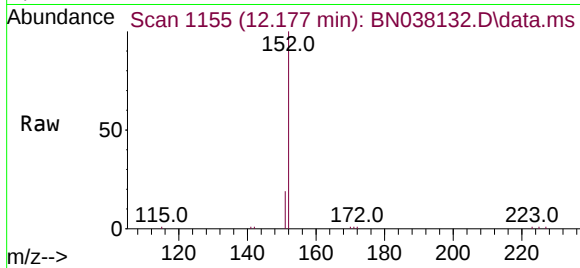




#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

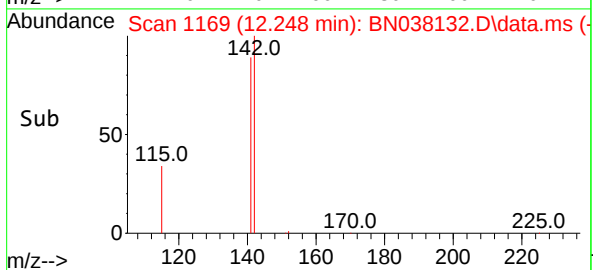
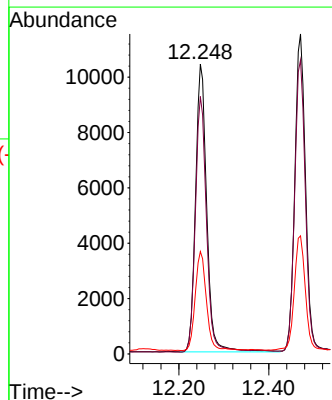
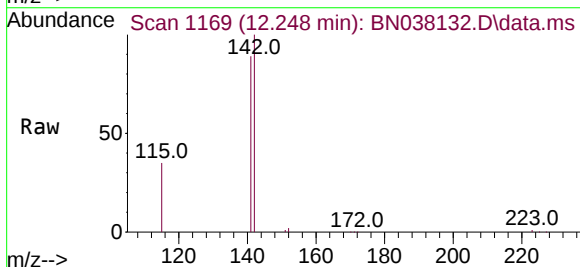
Instrument :
BNA_N
ClientSampleId :
PB170381BS

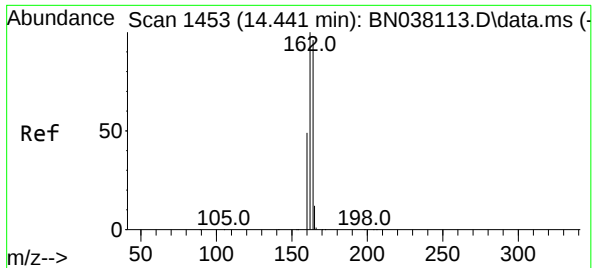
Tgt Ion:152 Resp: 15982
Ion Ratio Lower Upper
152 100
151 20.6 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:142 Resp: 17976
Ion Ratio Lower Upper
142 100
141 88.8 70.3 105.5
115 35.3 27.8 41.6

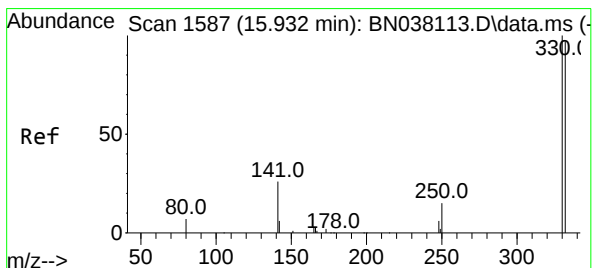
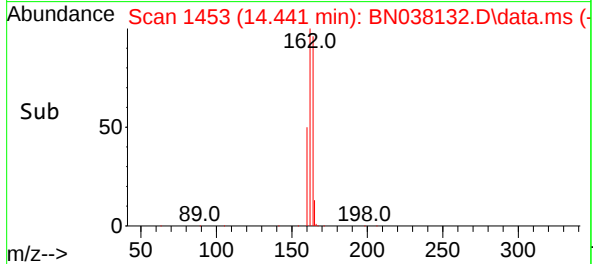
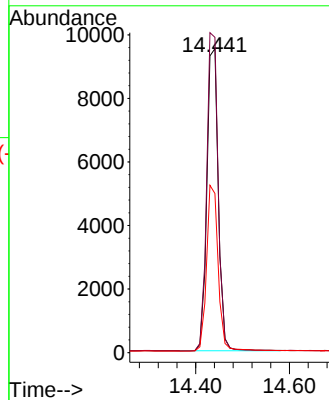
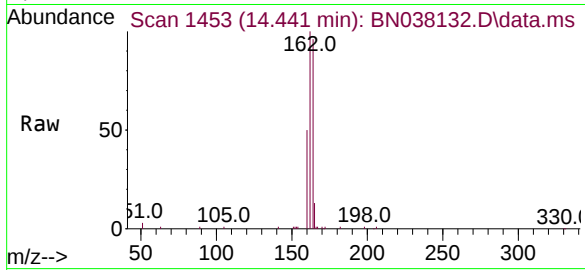




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

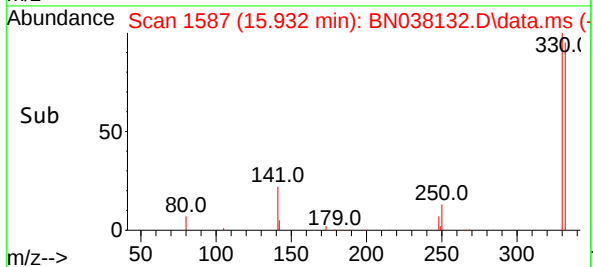
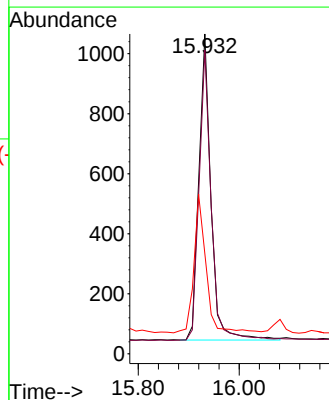
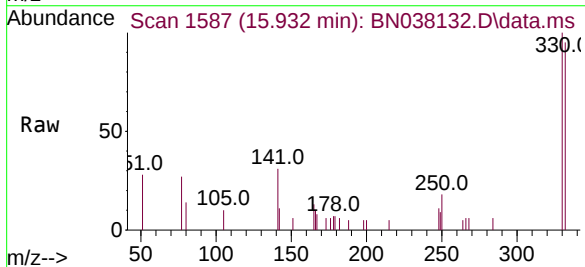
Instrument :
BNA_N
ClientSampleId :
PB170381BS

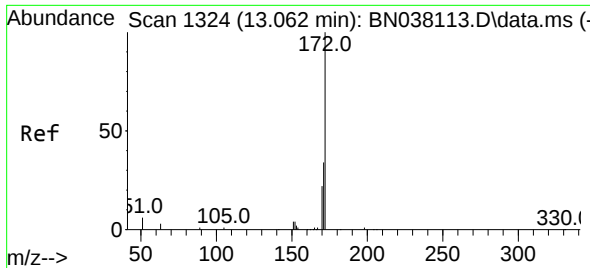
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.0	124.4
160	52.4	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	45.4	34.1	51.1

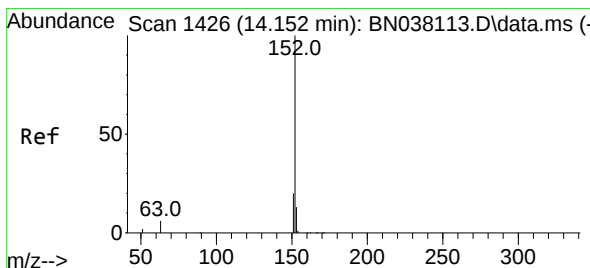
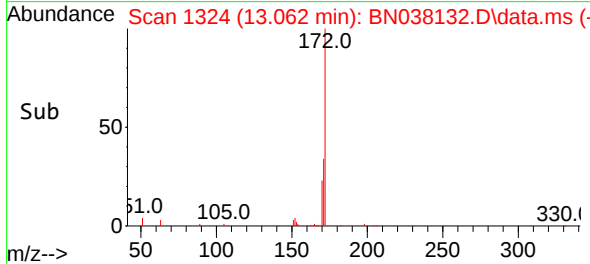
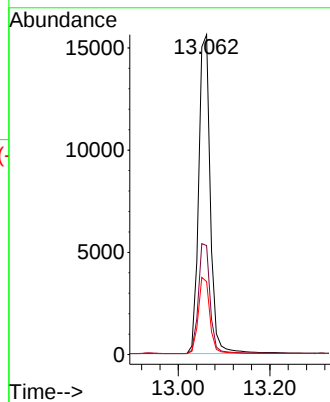
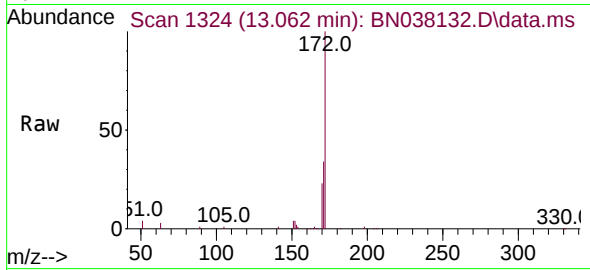




#15
2-Fluorobiphenyl
Concen: 0.415 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

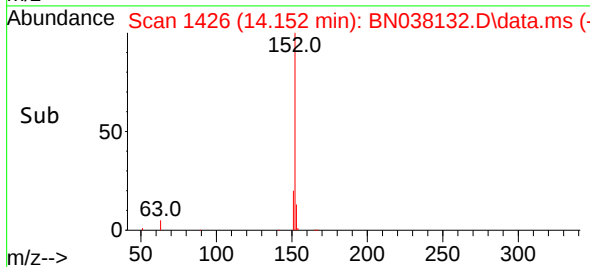
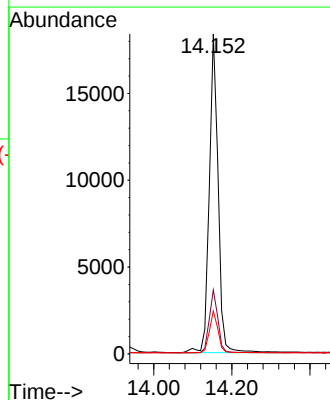
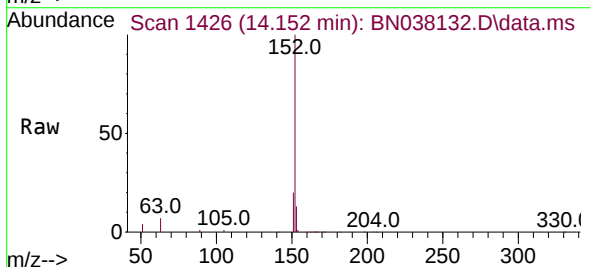
Instrument :
BNA_N
ClientSampleId :
PB170381BS

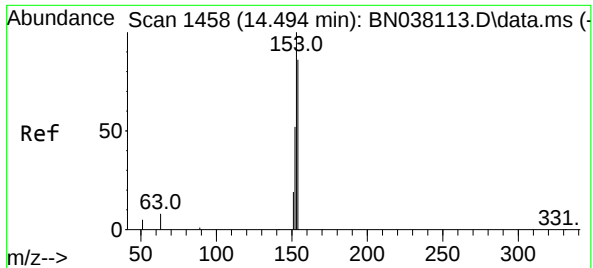
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.6
170	22.8	18.1	27.1



#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	12.9	10.2	15.2

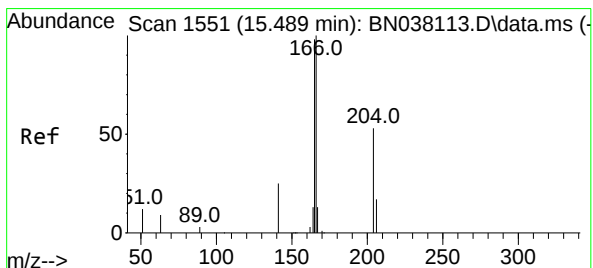
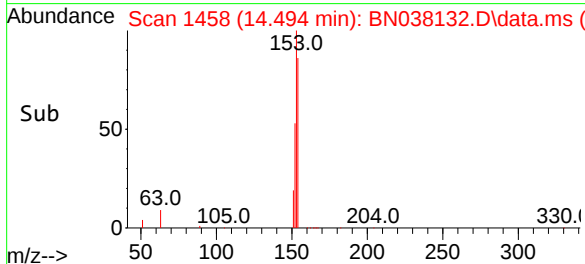
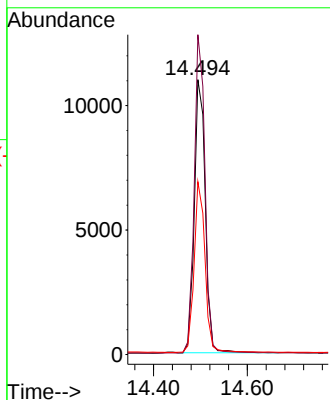
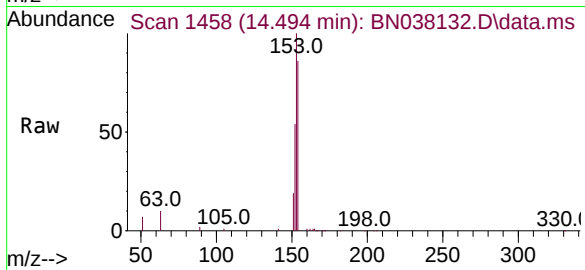




#17
Acenaphthene
Concen: 0.349 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

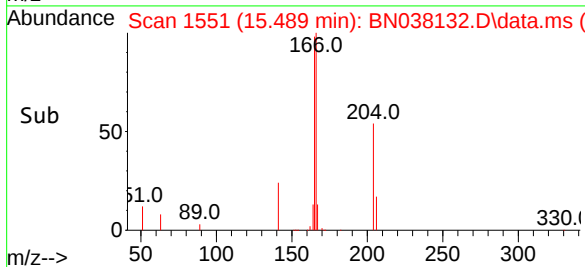
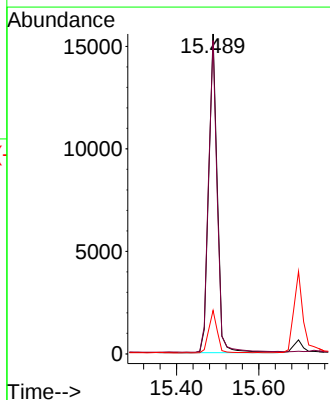
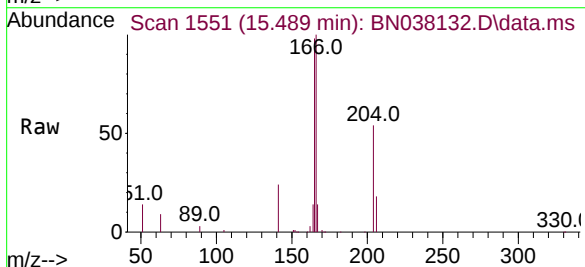
Instrument :
BNA_N
ClientSampleId :
PB170381BS

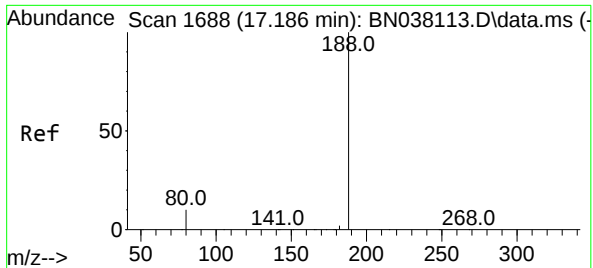
Tgt Ion:154 Resp: 17838
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 62.2 47.3 70.9



#18
Fluorene
Concen: 0.361 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:166 Resp: 24190
Ion Ratio Lower Upper
166 100
165 99.4 79.0 118.4
167 13.5 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038132.D

Acq: 04 Nov 2025 12:19

Instrument :

BNA_N

ClientSampleId :

PB170381BS

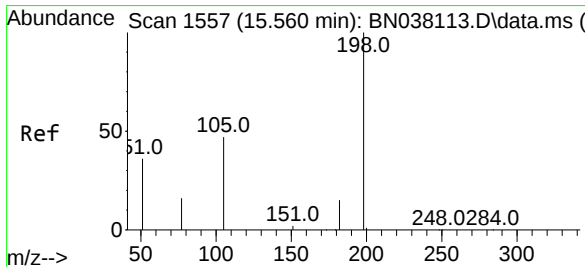
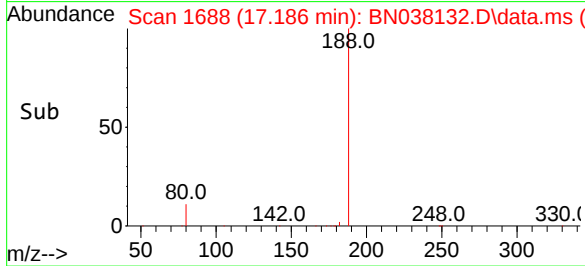
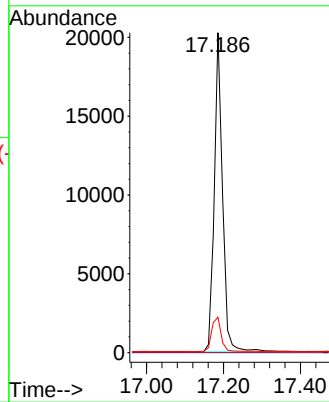
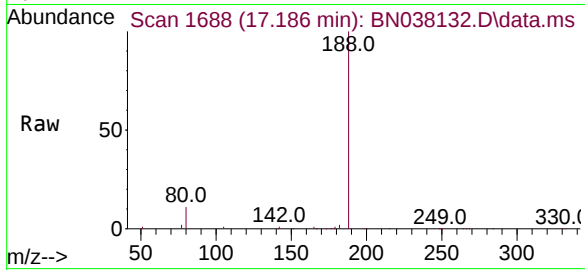
Tgt Ion:188 Resp: 30417

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.0 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.363 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038132.D

Acq: 04 Nov 2025 12:19

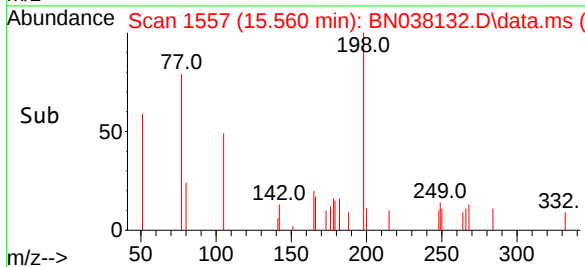
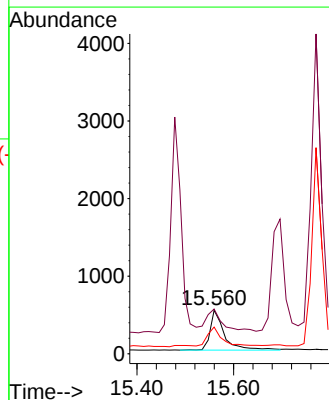
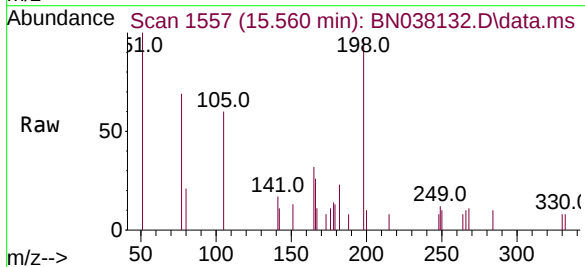
Tgt Ion:198 Resp: 1040

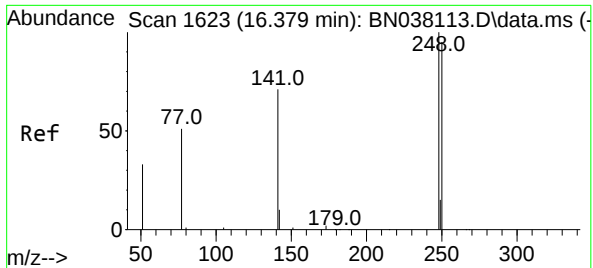
Ion Ratio Lower Upper

198 100

51 103.2 88.9 133.3

105 61.7 49.2 73.8

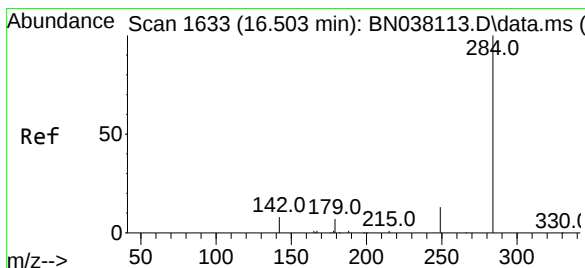
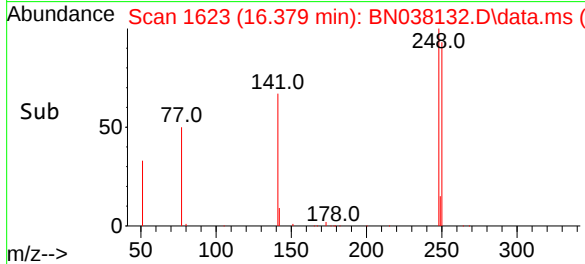
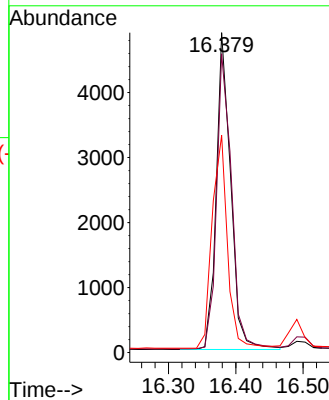
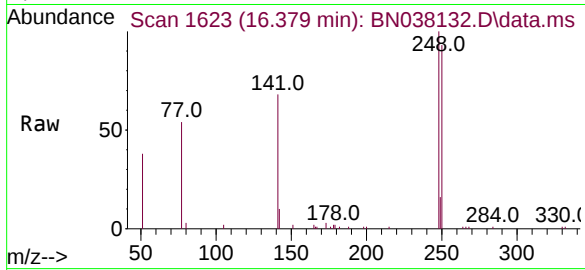




#21
4-Bromophenyl-phenylether
Concen: 0.365 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

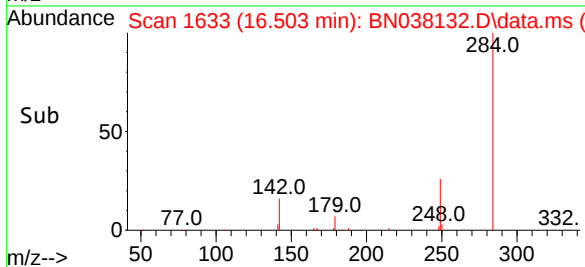
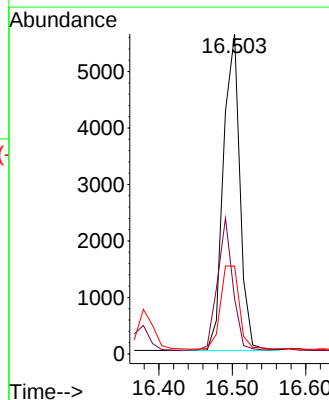
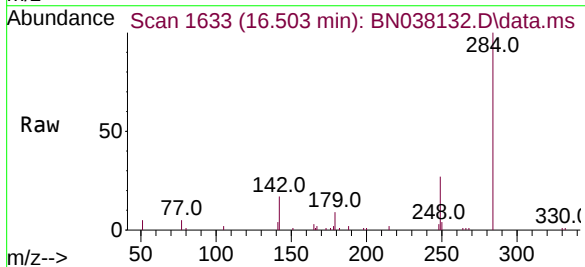
Instrument :
BNA_N
ClientSampleId :
PB170381BS

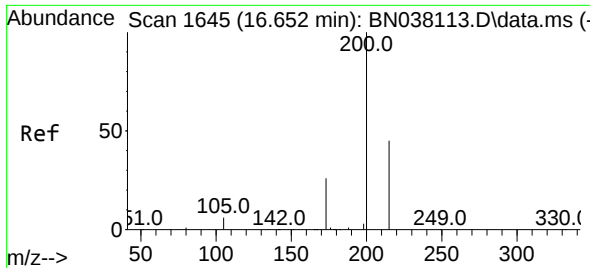
Tgt Ion:248 Resp: 7282
Ion Ratio Lower Upper
248 100
250 93.4 76.2 114.2
141 67.9 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:284 Resp: 8817
Ion Ratio Lower Upper
284 100
142 38.4 30.5 45.7
249 30.0 23.5 35.3

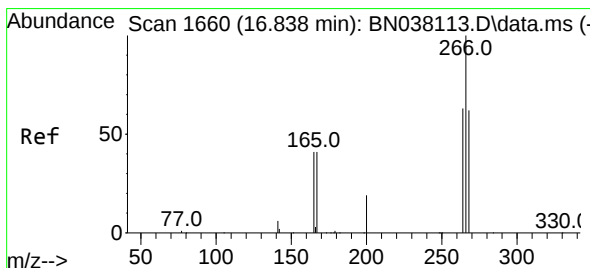
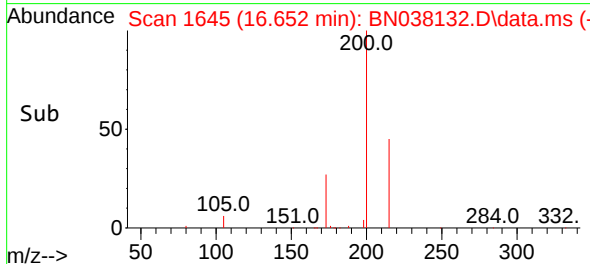
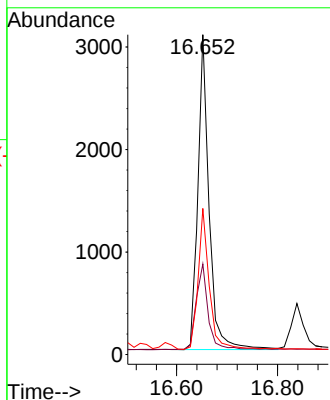
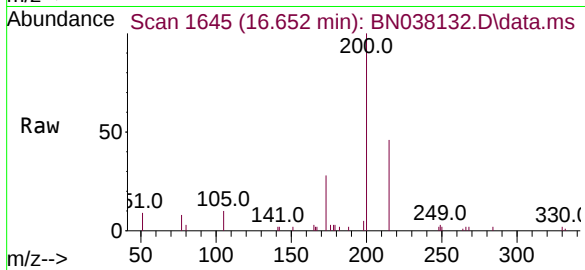




#23
Atrazine
Concen: 0.322 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

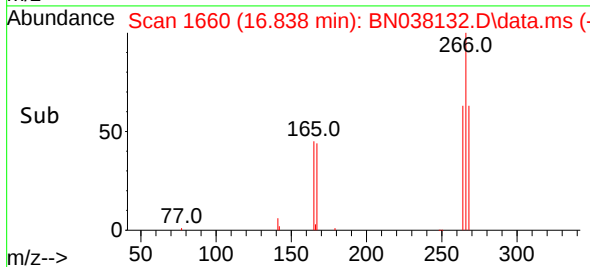
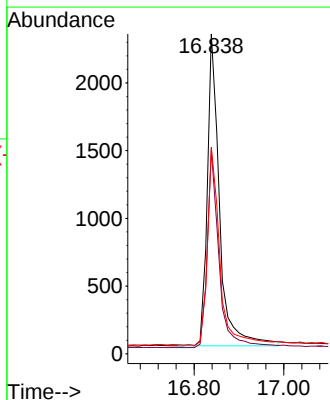
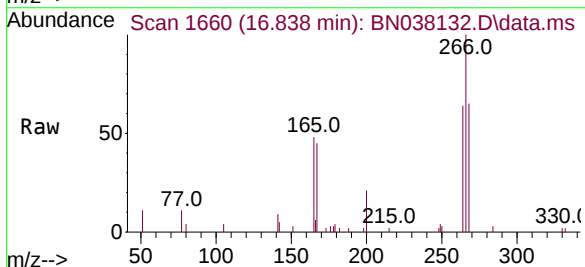
Instrument :
BNA_N
ClientSampleId :
PB170381BS

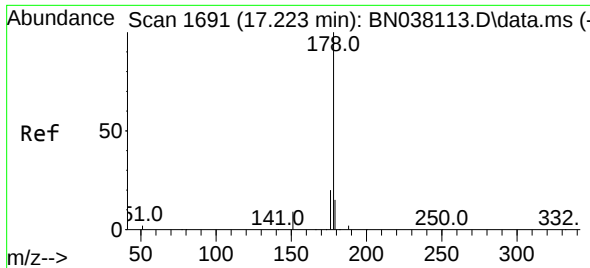
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.3	21.4	32.2
215	45.7	36.7	55.1



#24
Pentachlorophenol
Concen: 0.449 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.3	73.9
268	63.9	50.6	75.8

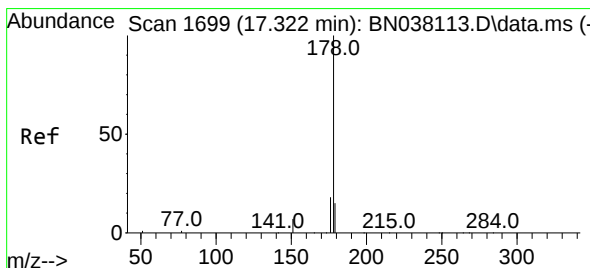
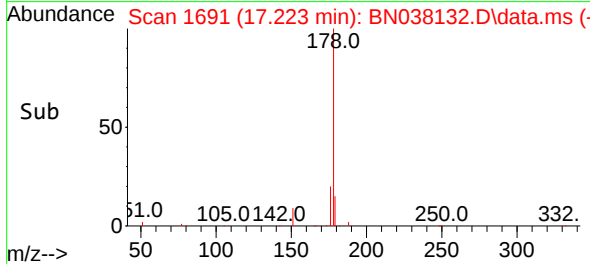
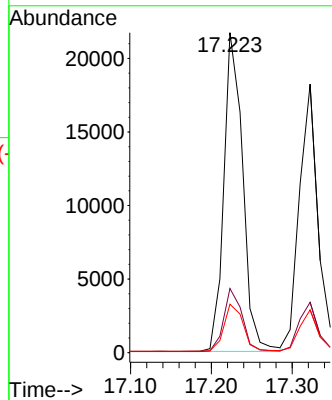
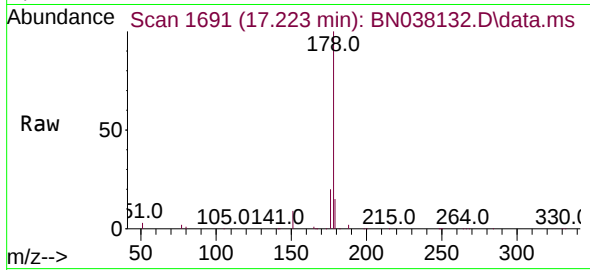




#25
Phenanthrene
Concen: 0.364 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

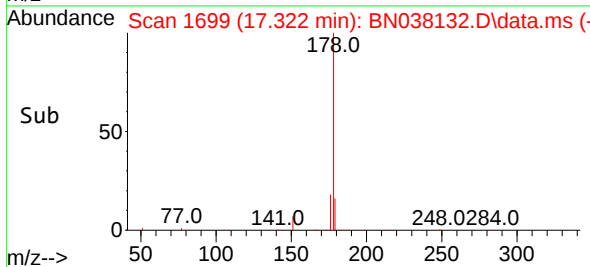
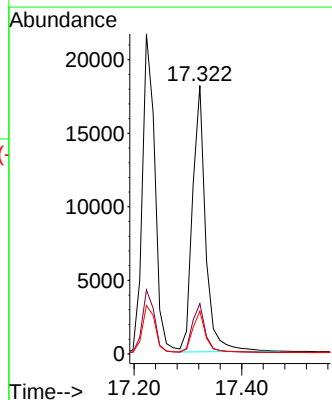
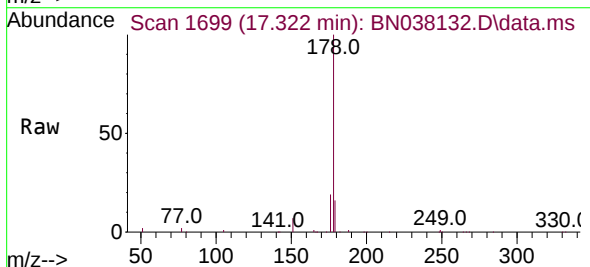
Instrument :
BNA_N
ClientSampleId :
PB170381BS

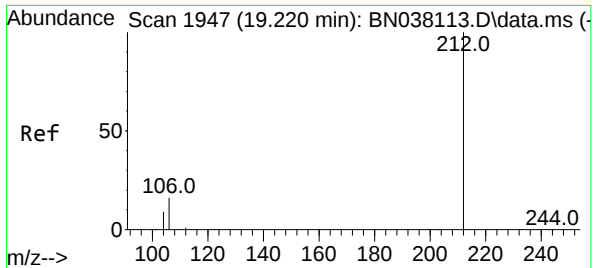
Tgt Ion:178 Resp: 35147
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.4



#26
Anthracene
Concen: 0.360 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:178 Resp: 30413
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.4 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.303 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038132.D

Acq: 04 Nov 2025 12:19

Instrument :

BNA_N

ClientSampleId :

PB170381BS

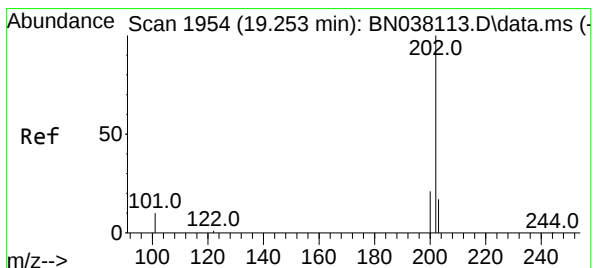
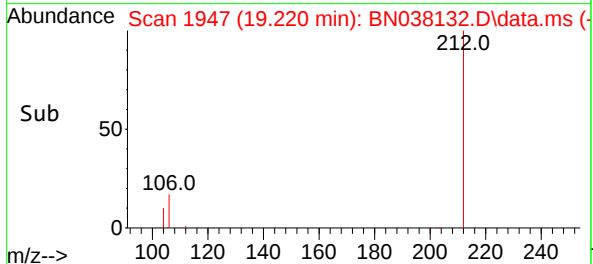
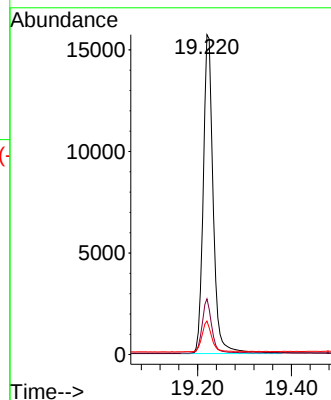
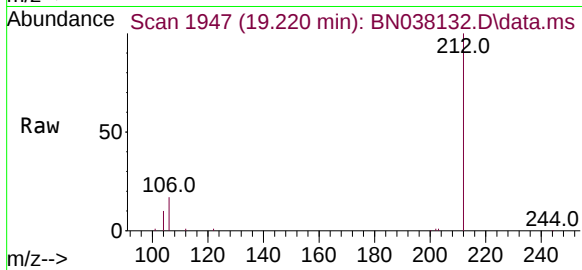
Tgt Ion:212 Resp: 23204

Ion Ratio Lower Upper

212 100

106 16.4 12.6 19.0

104 9.3 7.1 10.7



#28

Fluoranthene

Concen: 0.304 ng

RT: 19.252 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038132.D

Acq: 04 Nov 2025 12:19

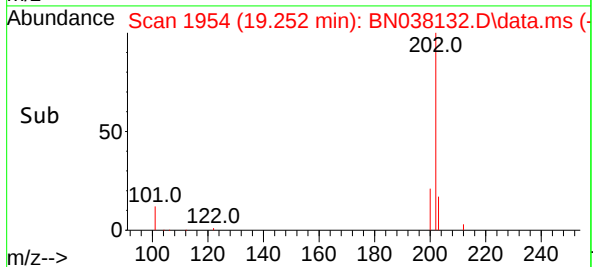
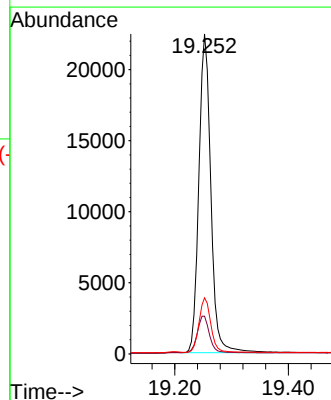
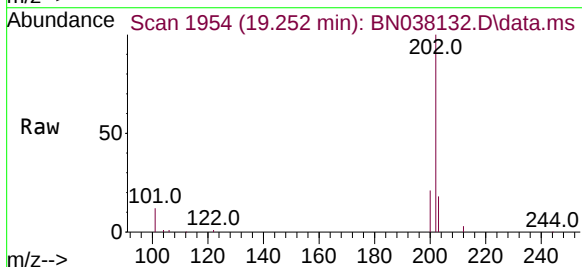
Tgt Ion:202 Resp: 32822

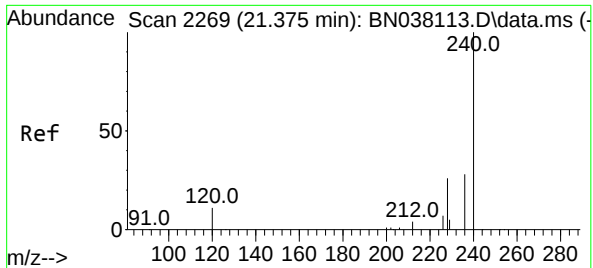
Ion Ratio Lower Upper

202 100

101 12.2 9.4 14.2

203 16.8 13.4 20.2

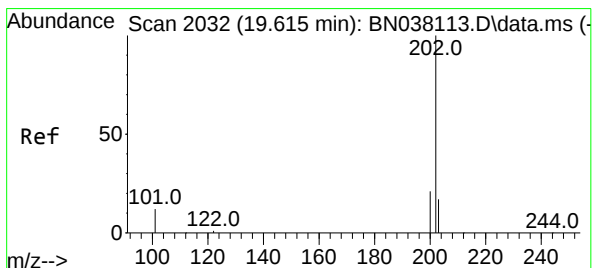
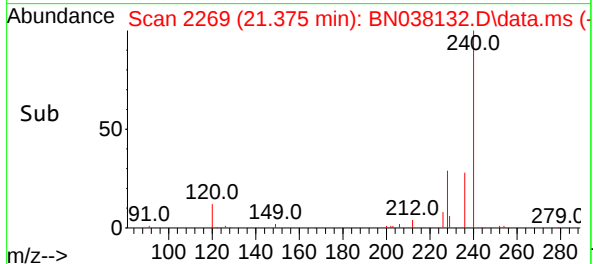
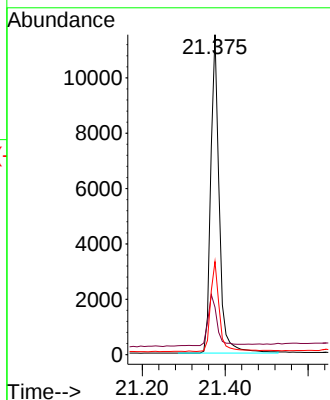
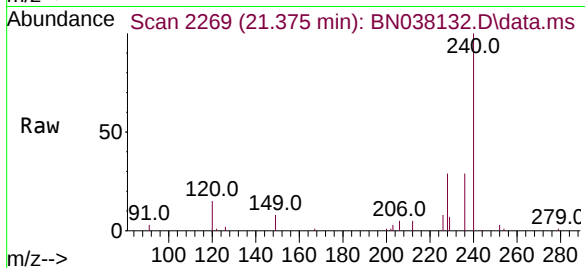




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

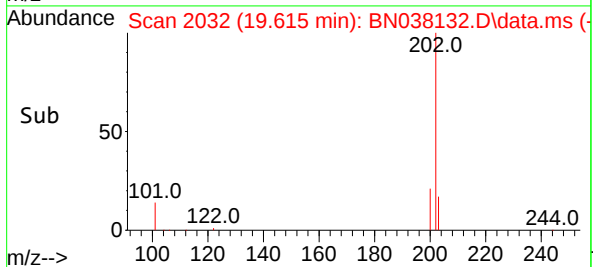
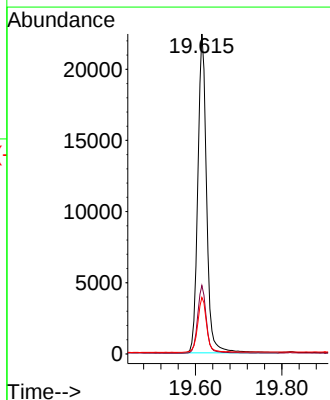
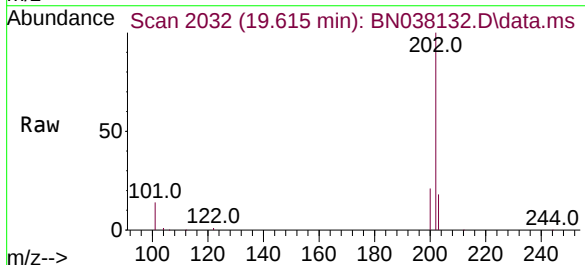
Instrument :
BNA_N
ClientSampleId :
PB170381BS

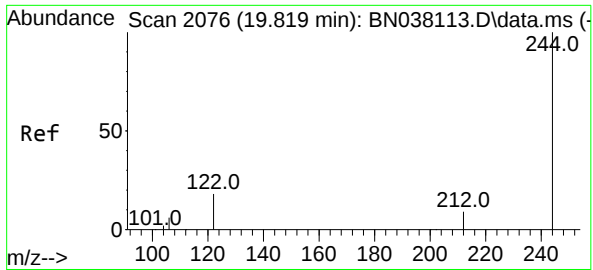
Tgt Ion:240 Resp: 16510
Ion Ratio Lower Upper
240 100
120 14.8 10.7 16.1
236 29.1 23.1 34.7



#30
Pyrene
Concen: 0.425 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:202 Resp: 31678
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.6 14.2 21.2

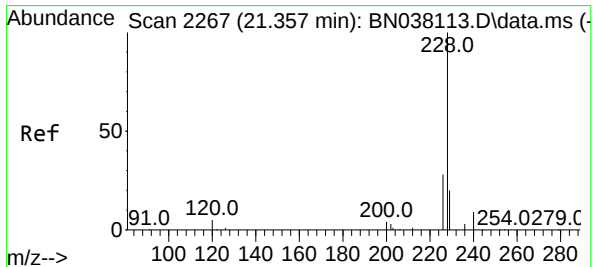
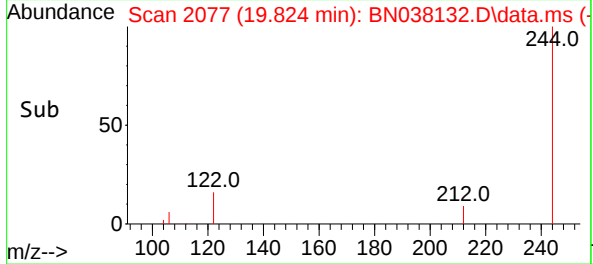
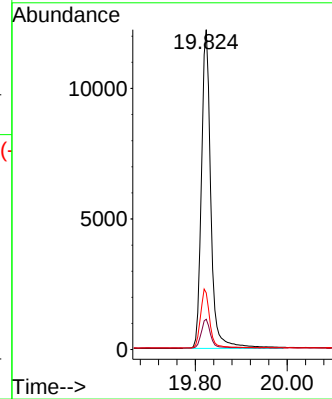
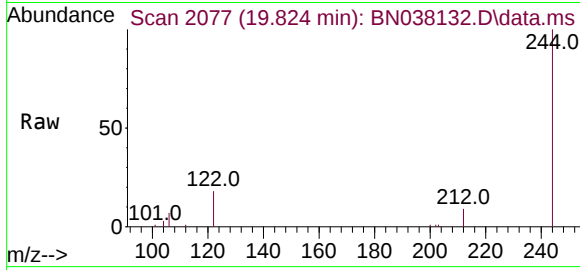




#31
Terphenyl-d14
Concen: 0.483 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

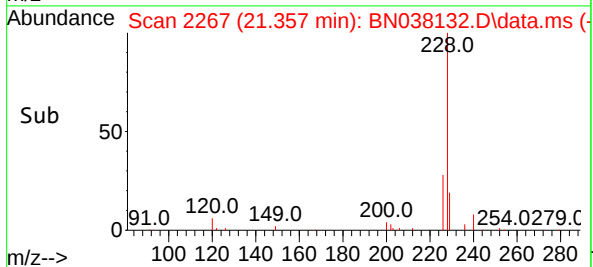
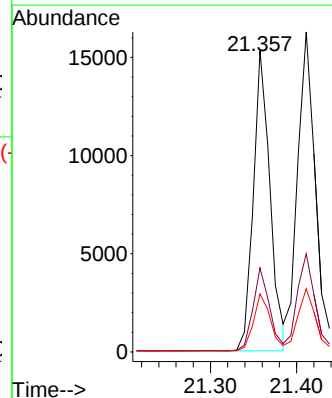
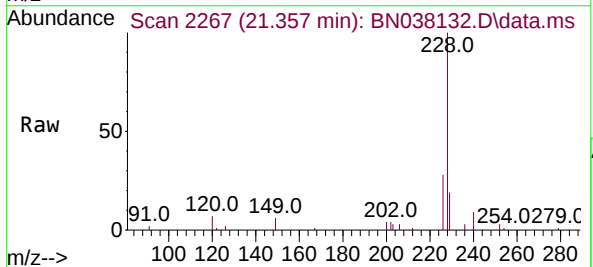
Instrument :
BNA_N
ClientSampleId :
PB170381BS

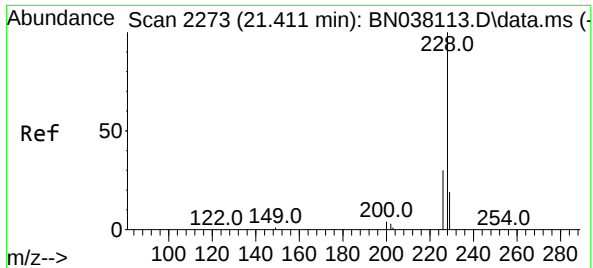
Tgt Ion:244 Resp: 17337
Ion Ratio Lower Upper
244 100
212 9.5 7.8 11.6
122 17.7 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.350 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:228 Resp: 20604
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.2 15.8 23.8

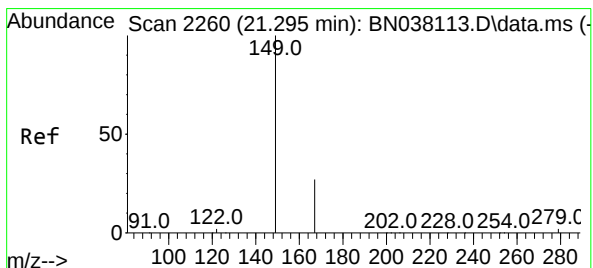
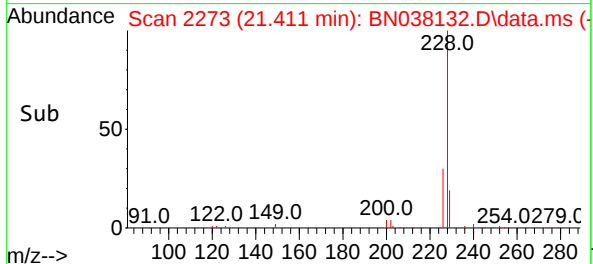
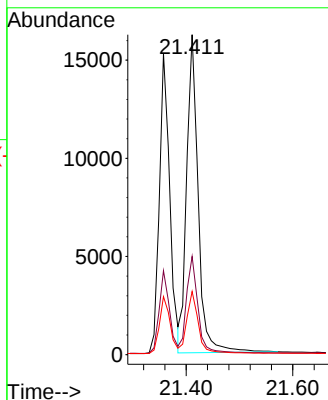
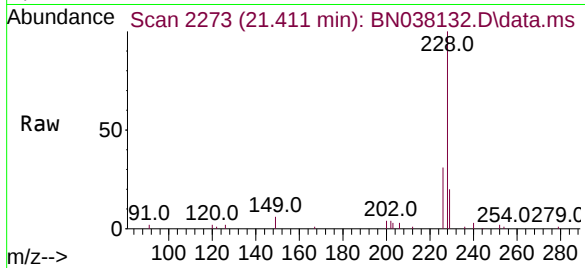




#33
Chrysene
Concen: 0.380 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

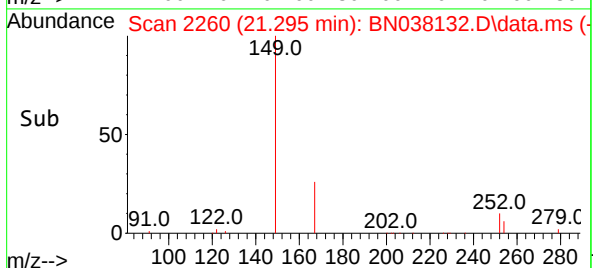
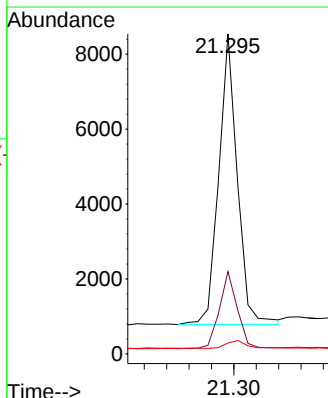
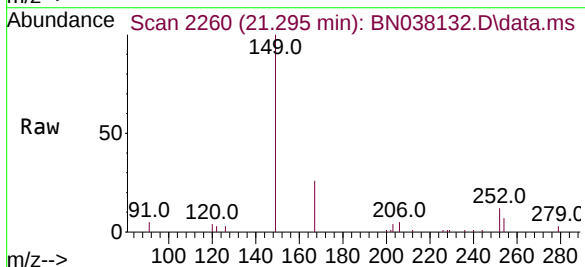
Instrument :
BNA_N
ClientSampleId :
PB170381BS

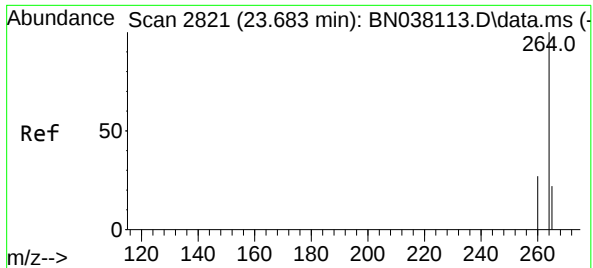
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	19.7	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.287 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.1	31.7
279	3.5	2.9	4.3

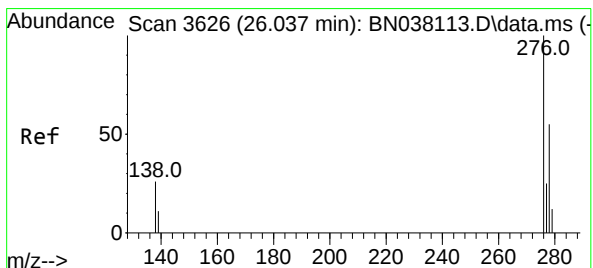
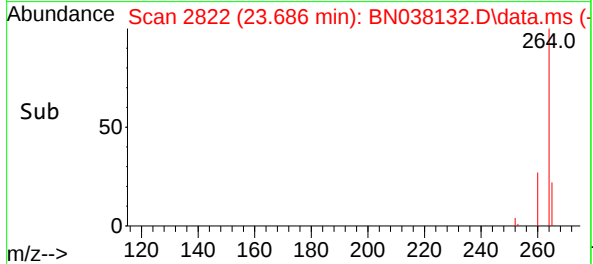
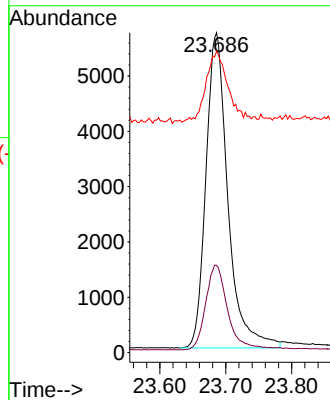
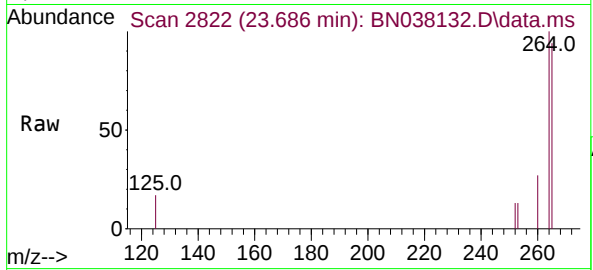




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

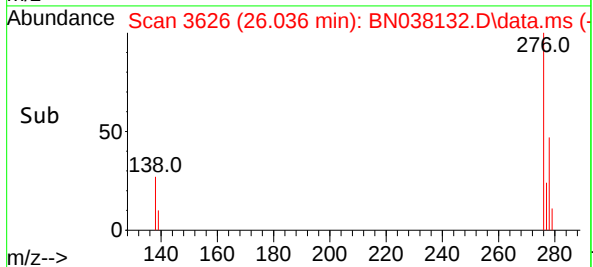
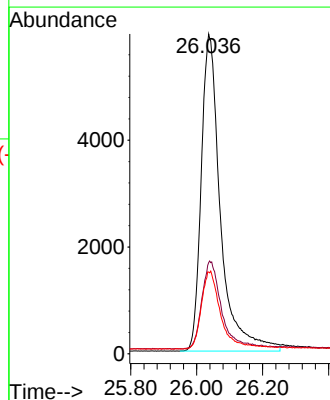
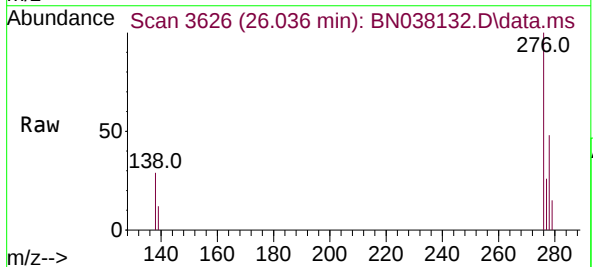
Instrument :
BNA_N
ClientSampleId :
PB170381BS

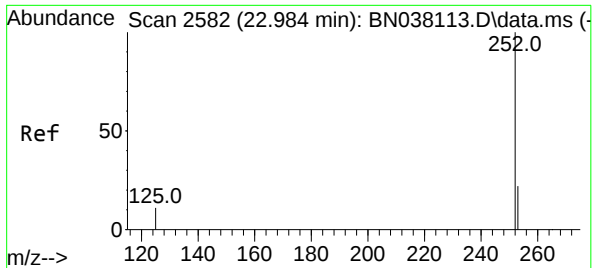
Tgt Ion:264 Resp: 13194
Ion Ratio Lower Upper
264 100
260 27.3 21.8 32.8
265 94.2 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.442 ng
RT: 26.036 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:276 Resp: 23949
Ion Ratio Lower Upper
276 100
138 28.4 21.4 32.0
277 23.9 19.2 28.8

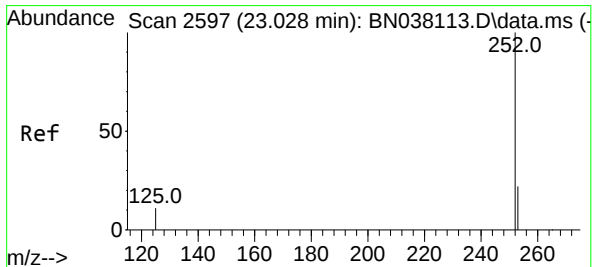
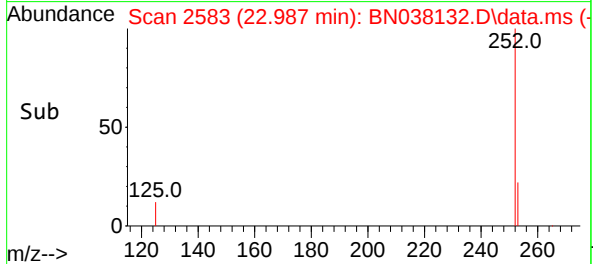
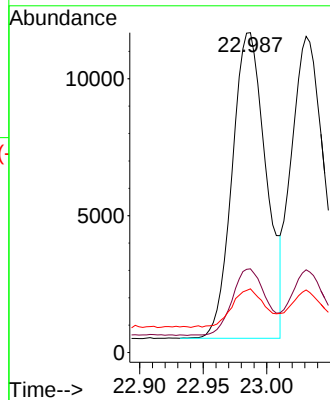
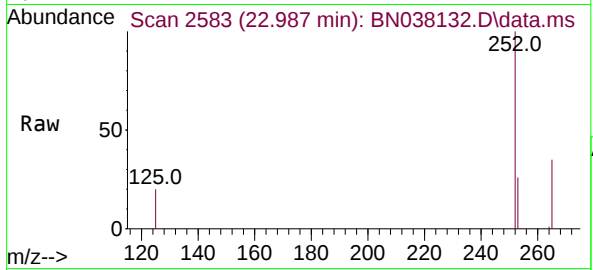




#37
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 22.987 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

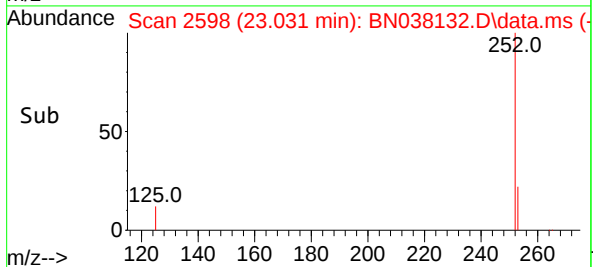
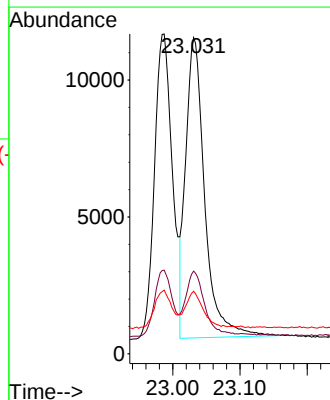
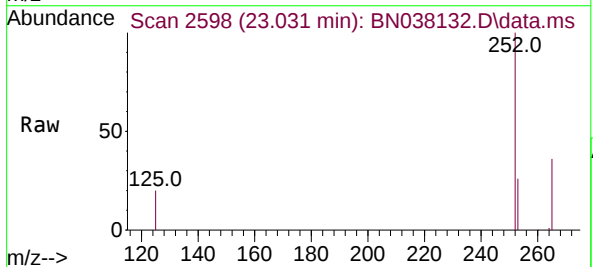
Instrument :
BNA_N
ClientSampleId :
PB170381BS

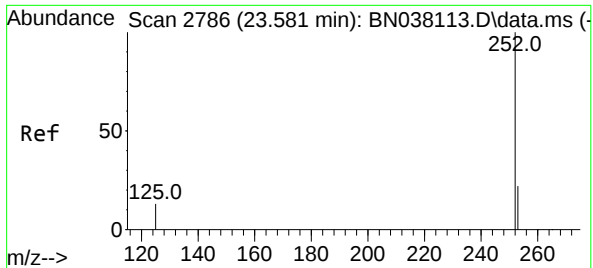
Tgt Ion:252 Resp: 20712
Ion Ratio Lower Upper
252 100
253 26.2 20.9 31.3
125 19.9 14.1 21.1



#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.031 min Scan# 2598
Delta R.T. 0.003 min
Lab File: BN038132.D
Acq: 04 Nov 2025 12:19

Tgt Ion:252 Resp: 21547
Ion Ratio Lower Upper
252 100
253 26.2 21.2 31.8
125 19.8 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.387 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038132.D

Acq: 04 Nov 2025 12:19

Instrument :

BNA_N

ClientSampleId :

PB170381BS

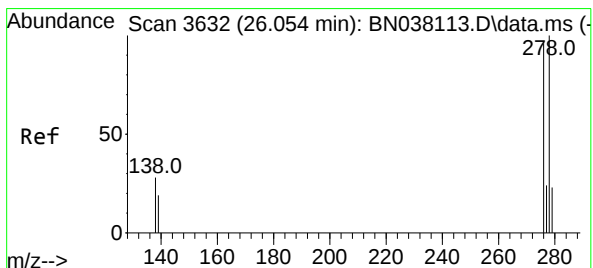
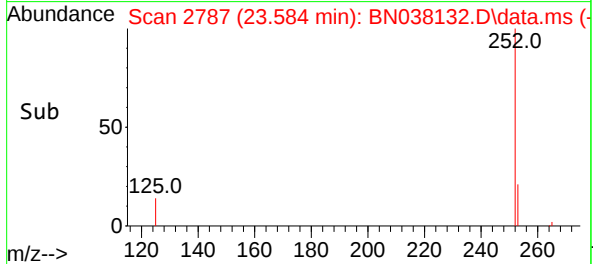
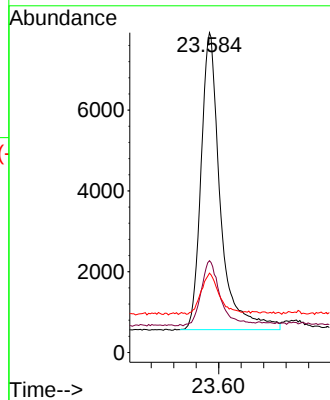
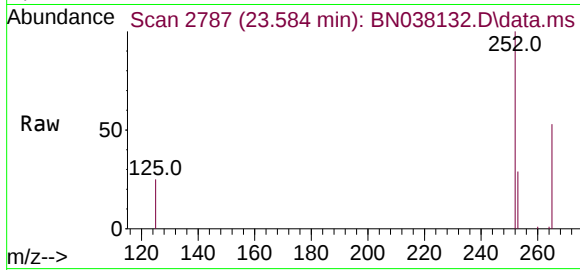
Tgt Ion:252 Resp: 17494

Ion Ratio Lower Upper

252 100

253 28.7 23.1 34.7

125 24.8 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.428 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038132.D

Acq: 04 Nov 2025 12:19

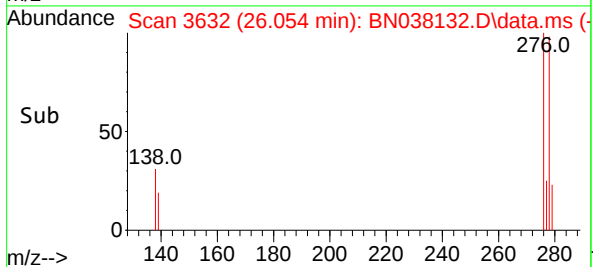
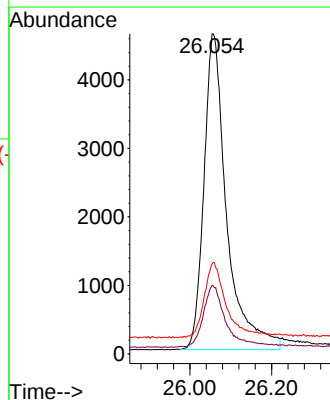
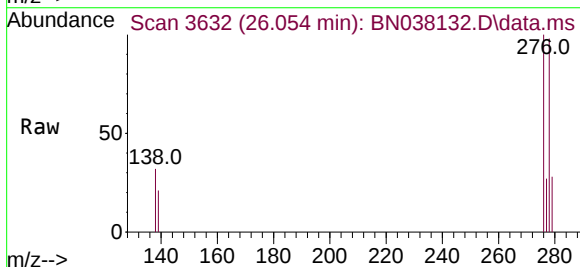
Tgt Ion:278 Resp: 17865

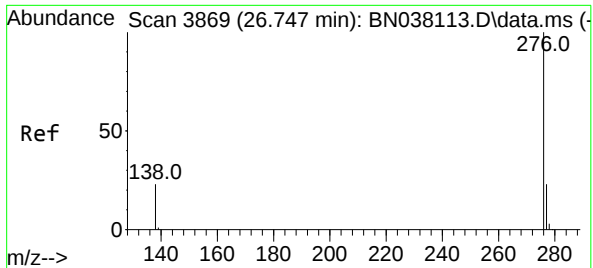
Ion Ratio Lower Upper

278 100

139 21.4 17.6 26.4

279 28.1 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.447 ng

RT: 26.756 min Scan# 38

Delta R.T. 0.006 min

Lab File: BN038132.D

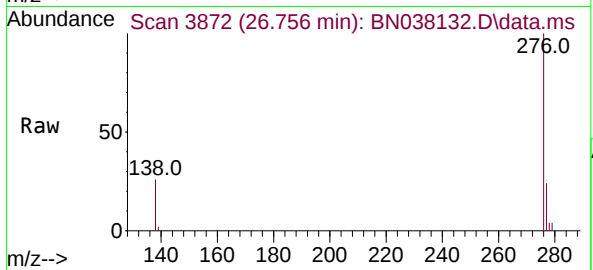
Acq: 04 Nov 2025 12:19

Instrument :

BNA_N

ClientSampleId :

PB170381BS



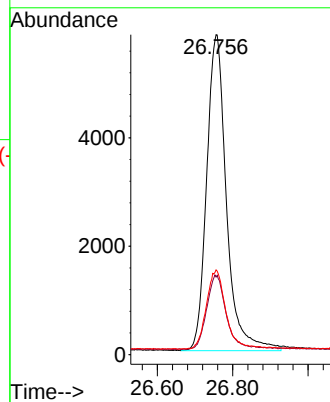
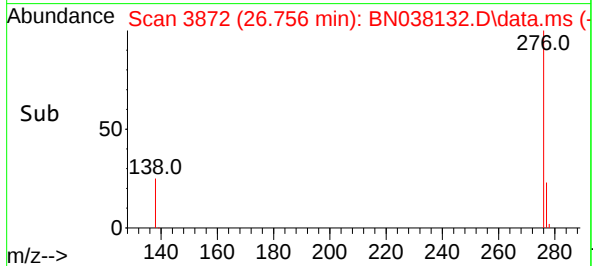
Tgt Ion:276 Resp: 21276

Ion Ratio Lower Upper

276 100

277 24.3 19.7 29.5

138 26.5 20.2 30.4



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Communipaw		Date Received:	
Client Sample ID:	PB170381BSD		SDG No.:	Q3494
Lab Sample ID:	PB170381BSD		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
56-55-3	Benzo(a)anthracene	0.28		1	0.040	0.10	ug/L	11/04/25 12:56	PB170381
205-99-2	Benzo(b)fluoranthene	0.29		1	0.040	0.10	ug/L	11/04/25 12:56	PB170381
207-08-9	Benzo(k)fluoranthene	0.31		1	0.050	0.10	ug/L	11/04/25 12:56	PB170381
50-32-8	Benzo(a)pyrene	0.30		1	0.040	0.10	ug/L	11/04/25 12:56	PB170381
191-24-2	Benzo(g,h,i)perylene	0.32		1	0.040	0.10	ug/L	11/04/25 12:56	PB170381
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (20) - 150 (139)	73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.25			30 (54) - 150 (157)	63%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			30 (27) - 130 (154)	76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			30 (30) - 130 (155)	81%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.36			30 (54) - 130 (175)	91%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	10800							
1146-65-2	Naphthalene-d8	30500							
15067-26-2	Acenaphthene-d10	15600							
1517-22-2	Phenanthrene-d10	28800							
1719-03-5	Chrysene-d12	18100							
1520-96-3	Perylene-d12	14900							

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\BN110425\
 Data File : BN038133.D
 Acq On : 04 Nov 2025 12:56
 Operator : RC/JU
 Sample : PB170381BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170381BSD

Quant Time: Nov 04 13:20:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

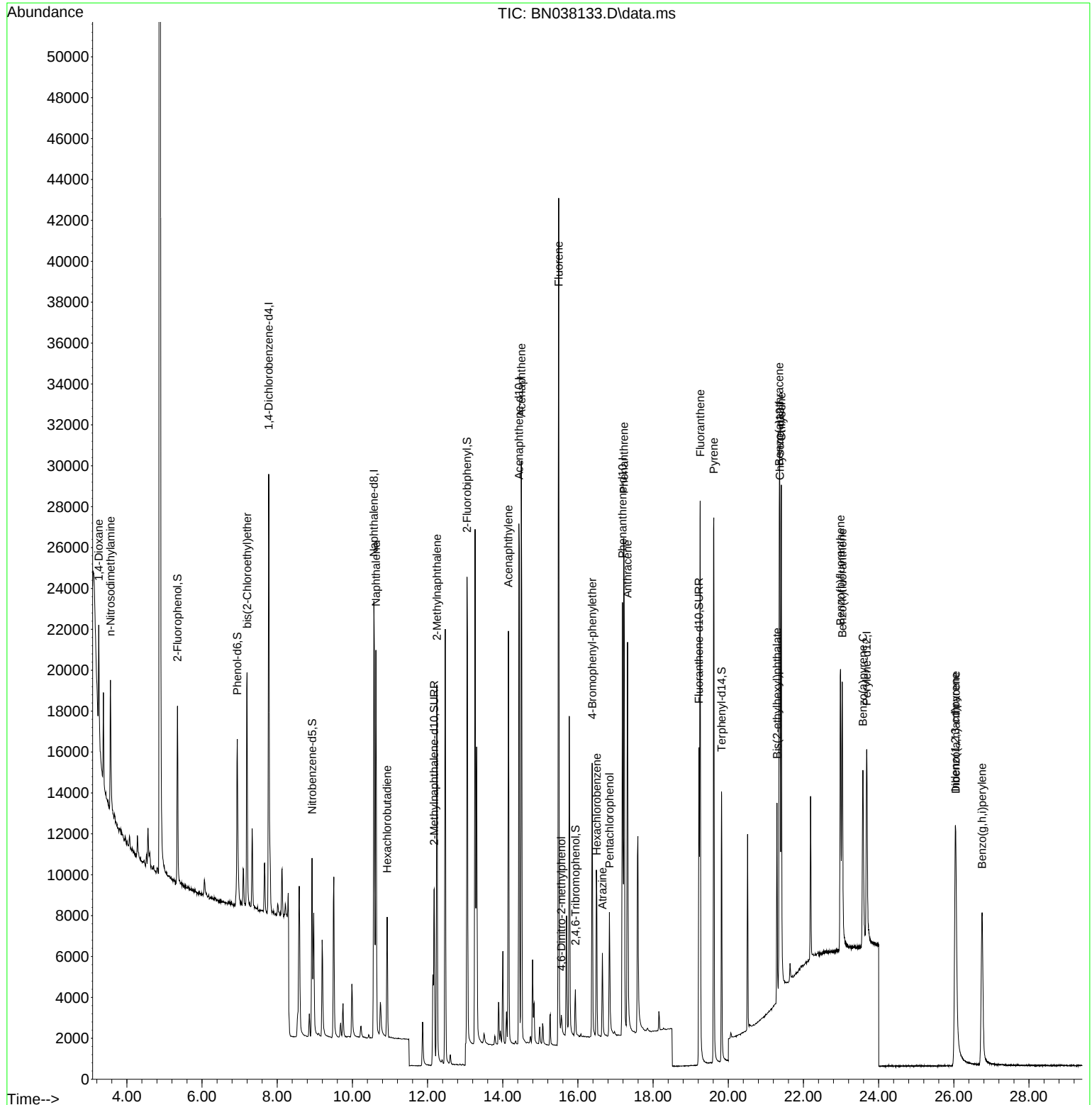
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10823	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	30534	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15616	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	28756	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18053	0.400	ng	0.00
35) Perylene-d12	23.683	264	14856	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	7259	0.285	ng	0.00
5) Phenol-d6	6.937	99	8491	0.273	ng	0.00
8) Nitrobenzene-d5	8.929	82	7527	0.305	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	12754	0.292	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1353	0.210	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	20205	0.323	ng	0.00
27) Fluoranthene-d10	19.220	212	18424	0.254	ng	0.00
31) Terphenyl-d14	19.824	244	14219	0.363	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	2913	0.260	ng	# 69
3) n-Nitrosodimethylamine	3.564	42	4281	0.297	ng	# 93
6) bis(2-Chloroethyl)ether	7.197	93	9060	0.297	ng	98
9) Naphthalene	10.626	128	25040	0.298	ng	100
10) Hexachlorobutadiene	10.925	225	4498	0.317	ng	# 99
12) 2-Methylnaphthalene	12.248	142	14295	0.255	ng	97
16) Acenaphthylene	14.152	152	22428	0.317	ng	99
17) Acenaphthene	14.495	154	14121	0.285	ng	97
18) Fluorene	15.489	166	18901	0.291	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	792	0.328	ng	# 80
21) 4-Bromophenyl-phenylether	16.379	248	5427	0.288	ng	100
22) Hexachlorobenzene	16.503	284	6880	0.321	ng	99
23) Atrazine	16.652	200	3562	0.258	ng	99
24) Pentachlorophenol	16.838	266	3398	0.368	ng	99
25) Phenanthrene	17.223	178	26605	0.291	ng	100
26) Anthracene	17.322	178	23247	0.291	ng	99
28) Fluoranthene	19.253	202	25972	0.255	ng	100
30) Pyrene	19.615	202	25592	0.314	ng	100
32) Benzo(a)anthracene	21.358	228	18334	0.285	ng	99
33) Chrysene	21.411	228	21765	0.311	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	7715	0.227	ng	99
36) Indeno(1,2,3-cd)pyrene	26.037	276	19208	0.315	ng	97
37) Benzo(b)fluoranthene	22.984	252	18434	0.290	ng	97
38) Benzo(k)fluoranthene	23.031	252	19683	0.308	ng	98
39) Benzo(a)pyrene	23.581	252	15027	0.296	ng	97
40) Dibenzo(a,h)anthracene	26.054	278	14795	0.315	ng	99
41) Benzo(g,h,i)perylene	26.753	276	17207	0.321	ng	98

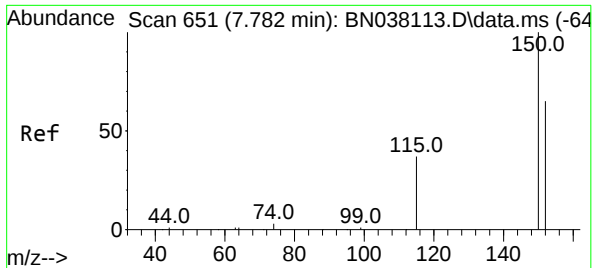
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110425\
 Data File : BN038133.D
 Acq On : 04 Nov 2025 12:56
 Operator : RC/JU
 Sample : PB170381BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170381BSD

Quant Time: Nov 04 13:20:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

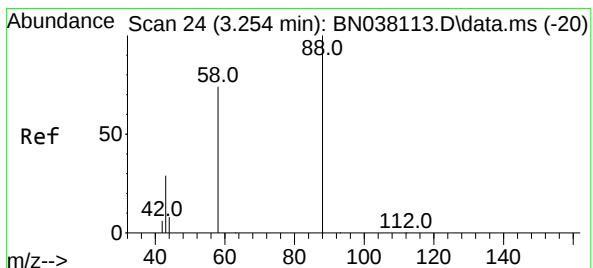
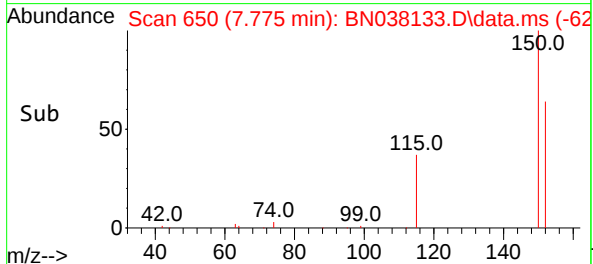
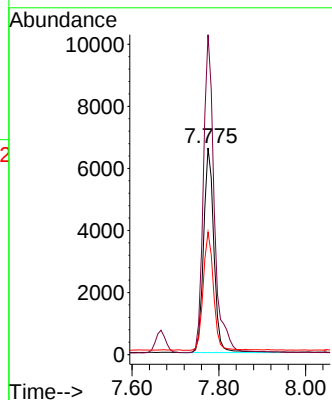
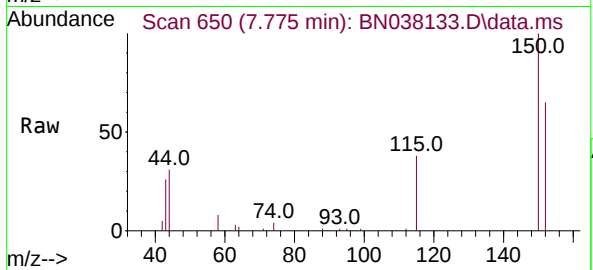




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

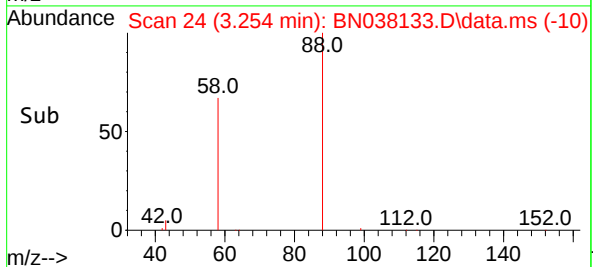
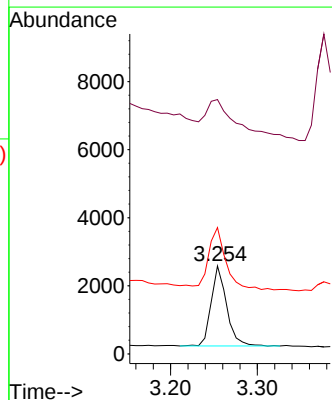
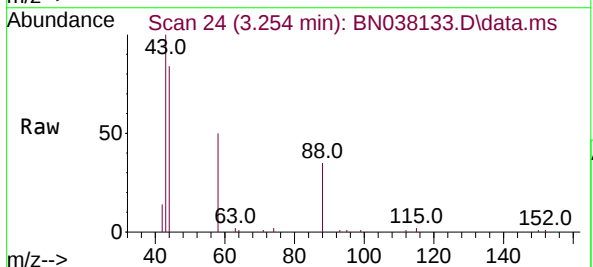
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

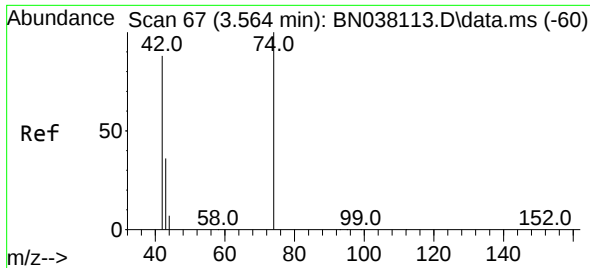
Tgt Ion:152 Resp: 10823
Ion Ratio Lower Upper
152 100
150 154.8 122.3 183.5
115 59.3 47.4 71.0



#2
1,4-Dioxane
Concen: 0.260 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion: 88 Resp: 2913
Ion Ratio Lower Upper
88 100
43 71.2 24.3 36.5#
58 87.3 60.4 90.6

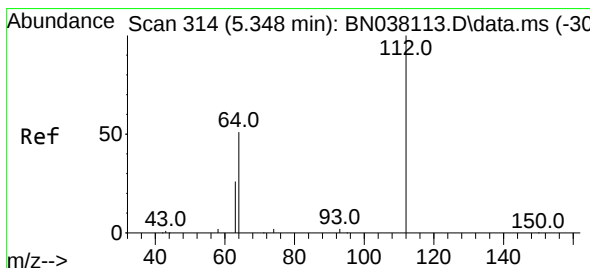
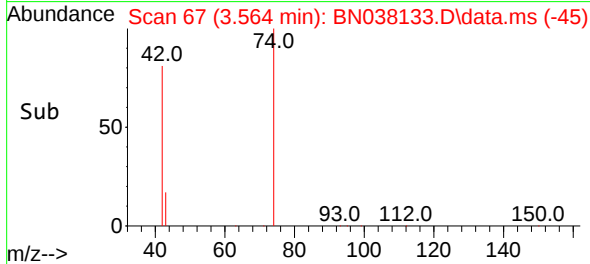
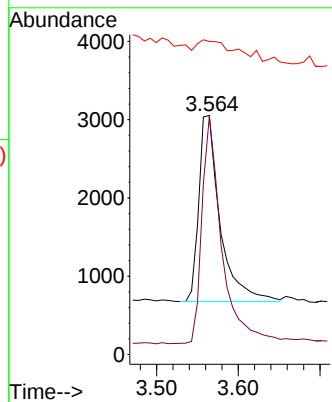
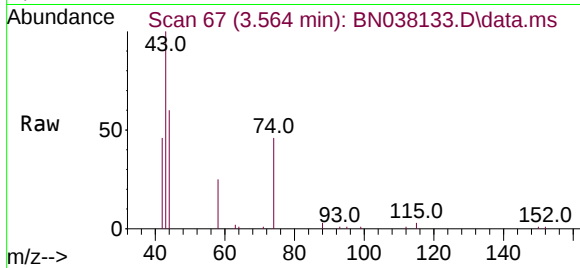




#3
n-Nitrosodimethylamine
Concen: 0.297 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

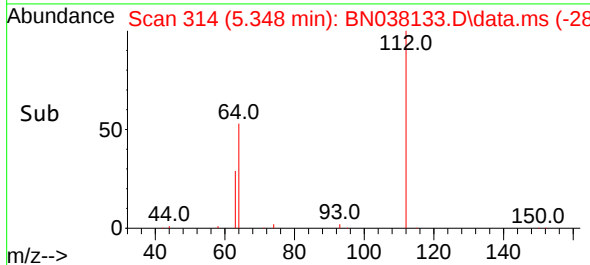
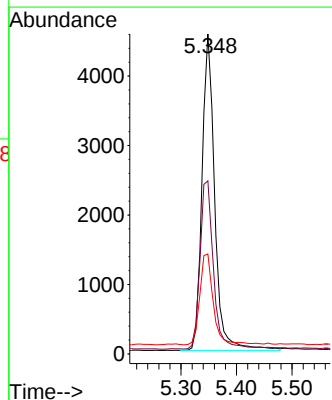
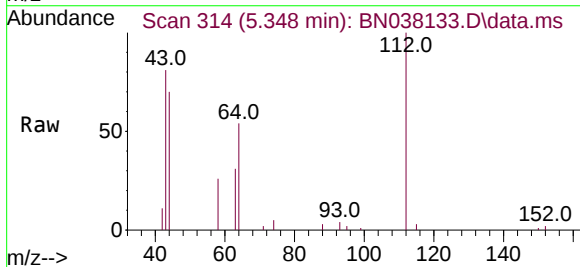
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

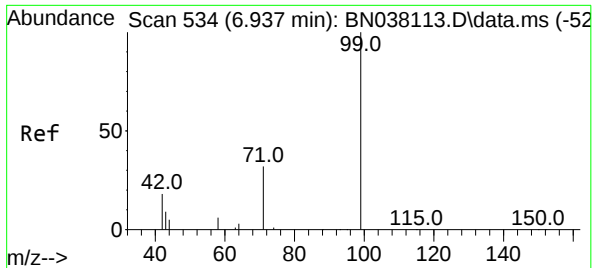
Tgt Ion: 42 Resp: 4281
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 25.7 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.285 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion: 112 Resp: 7259
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.0
63 30.8 23.2 34.8

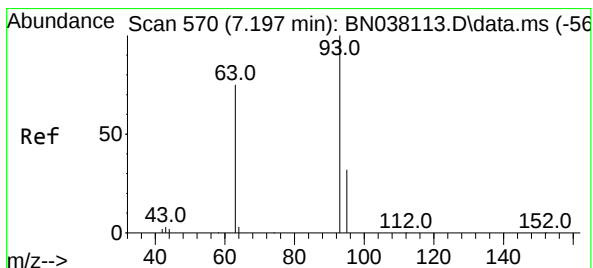
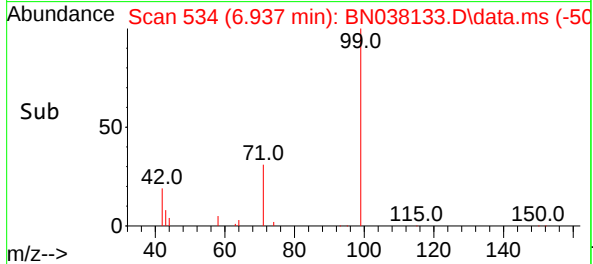
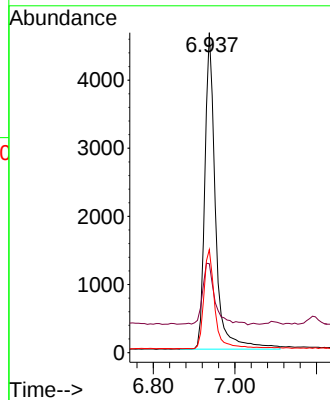
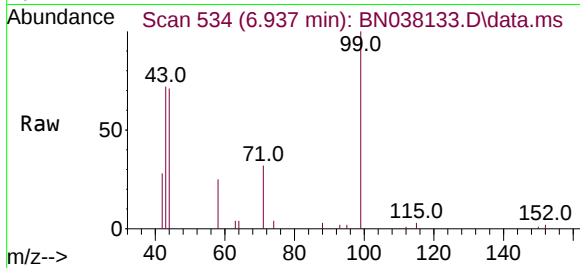




#5
Phenol-d6
Concen: 0.273 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

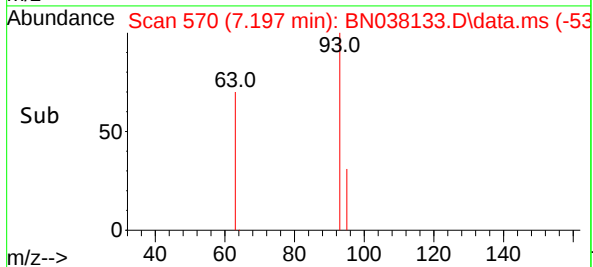
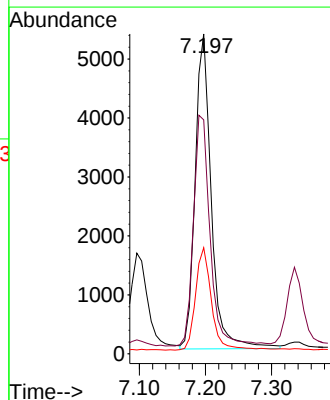
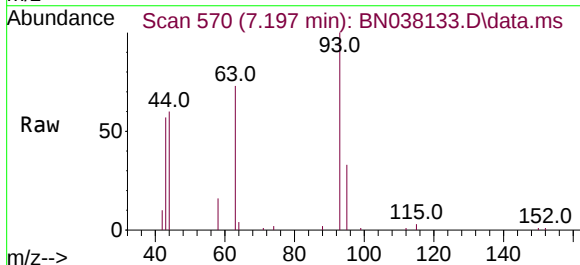
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

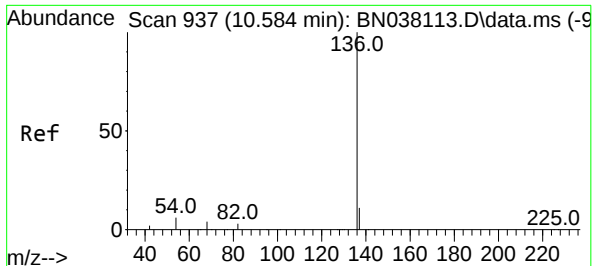
Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.9	16.6	24.8
71	31.9	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.297 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.7	59.3	88.9
95	32.3	25.2	37.8

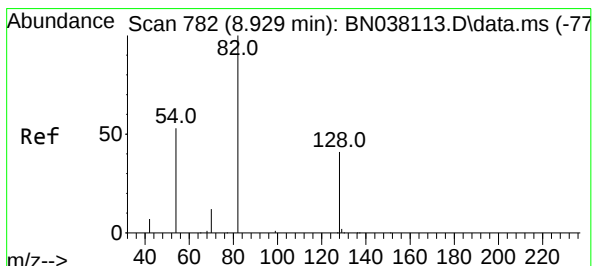
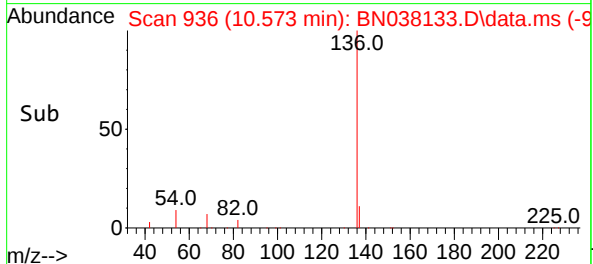
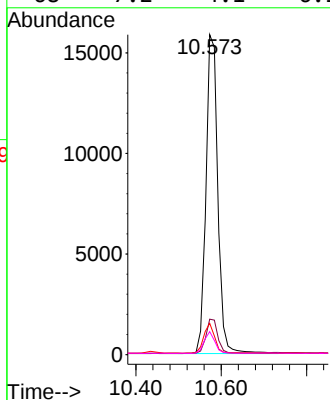
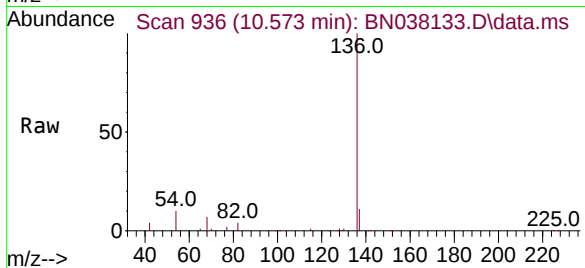




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

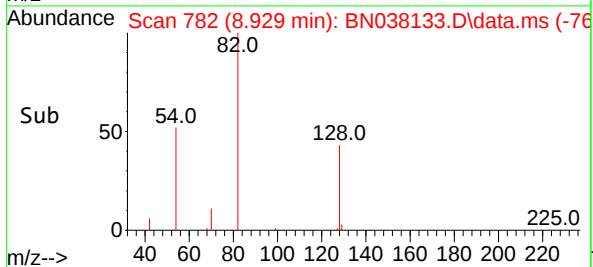
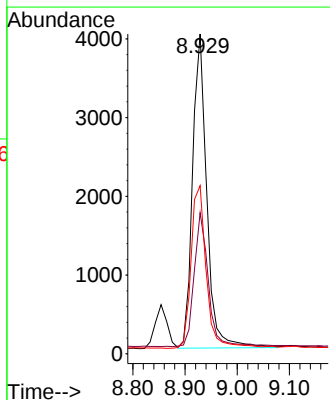
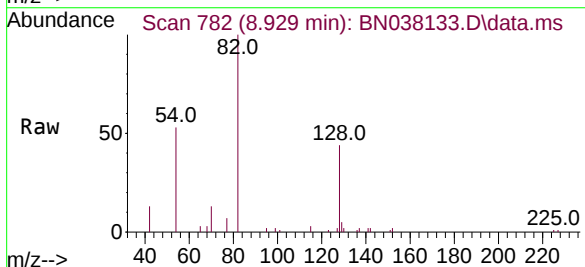
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

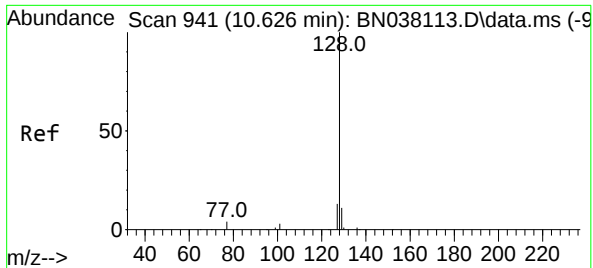
Tgt Ion:	136	Resp:	30534
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	9.8	5.2	7.8#
68	7.2	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:	82	Resp:	7527
Ion Ratio	Lower	Upper	
82	100		
128	44.1	34.1	51.1
54	52.6	43.5	65.3

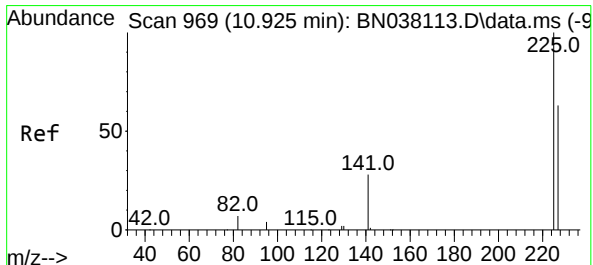
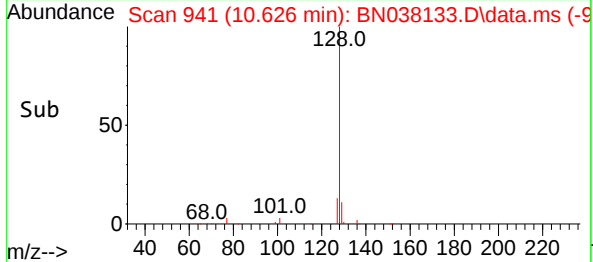
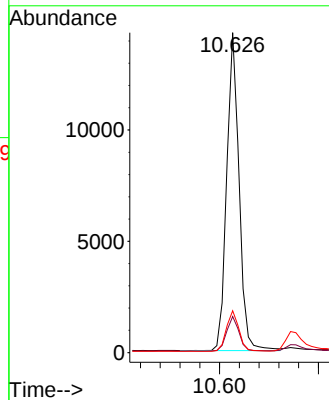
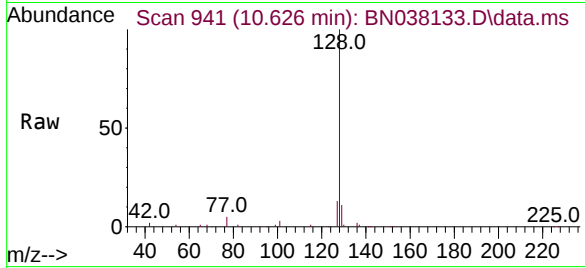




#9
Naphthalene
Concen: 0.298 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

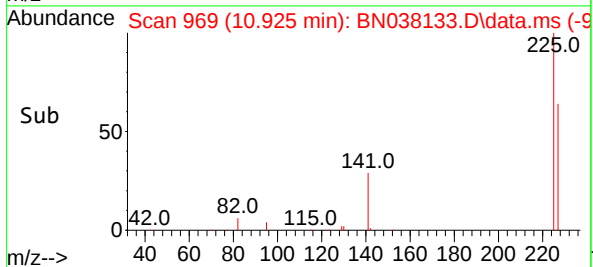
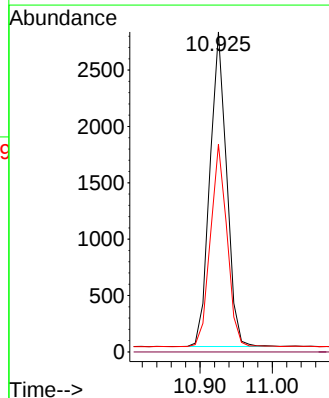
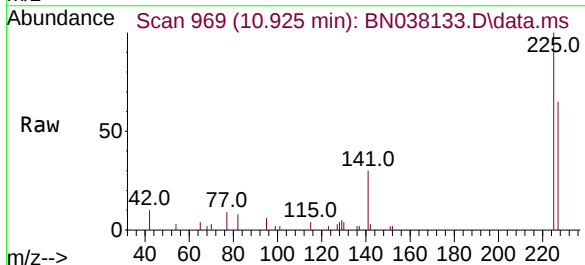
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

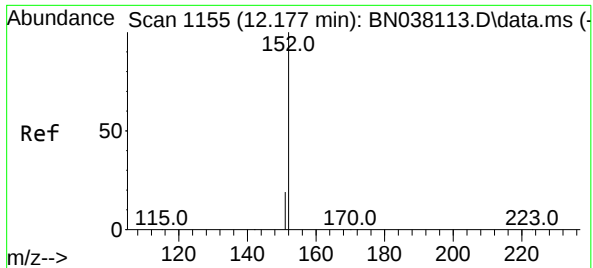
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.1	10.5	15.7



#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.3	75.5

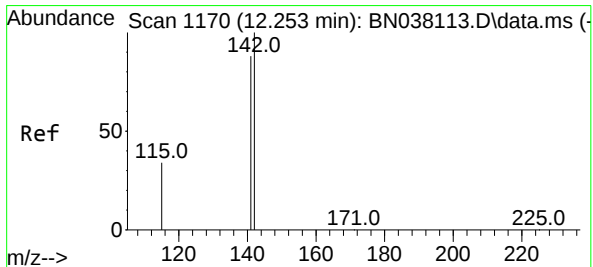
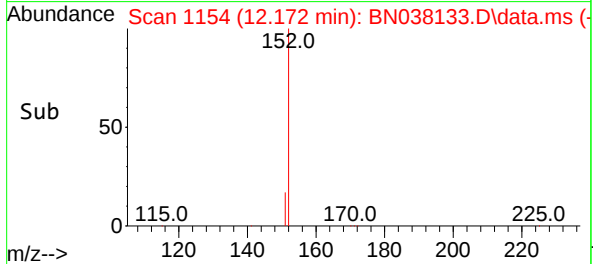
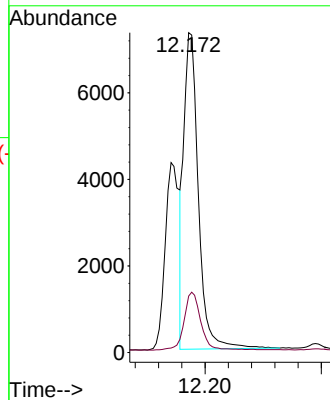
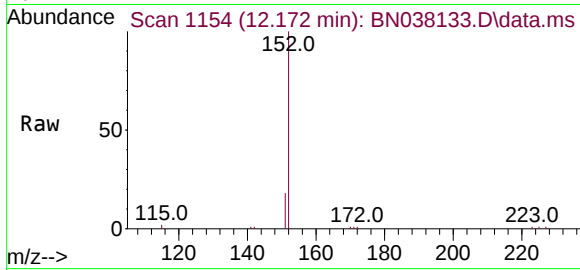




#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 12.172 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

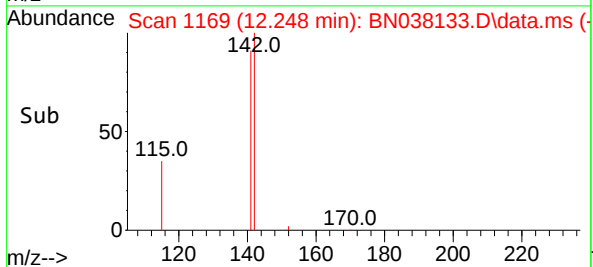
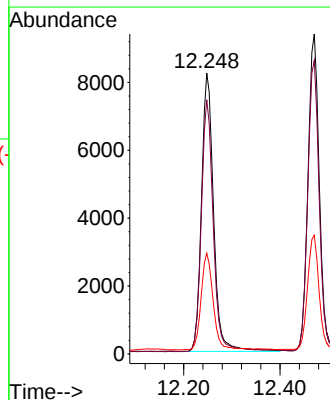
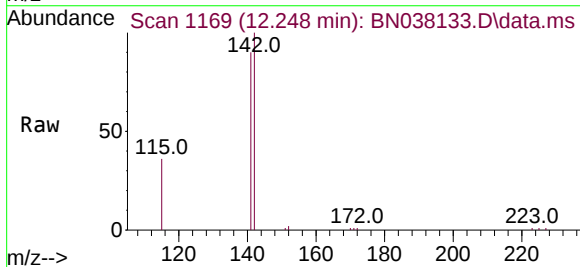
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

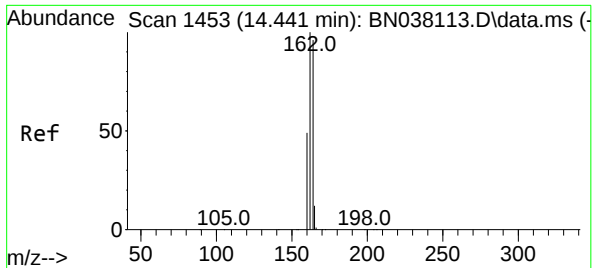
Tgt Ion:152 Resp: 12754
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.255 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:142 Resp: 14295
Ion Ratio Lower Upper
142 100
141 90.5 70.3 105.5
115 35.9 27.8 41.6

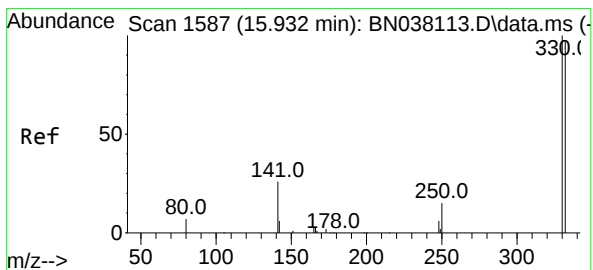
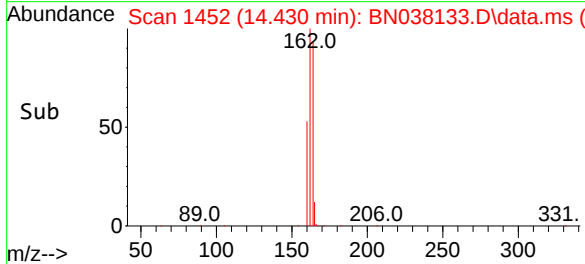
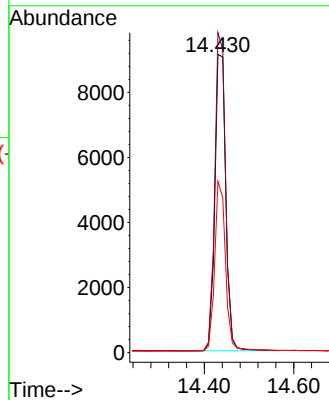
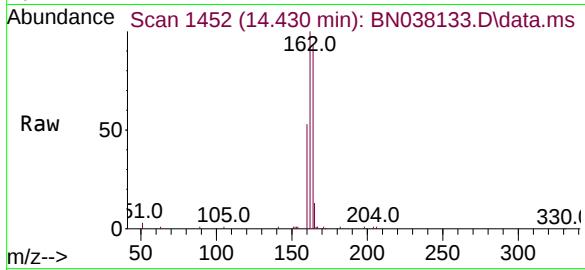




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

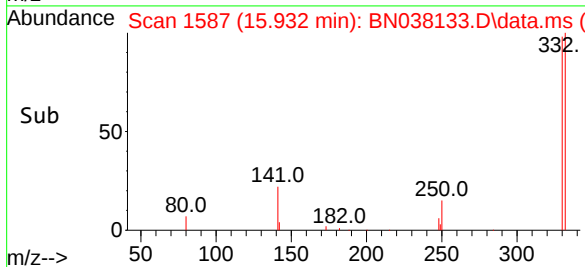
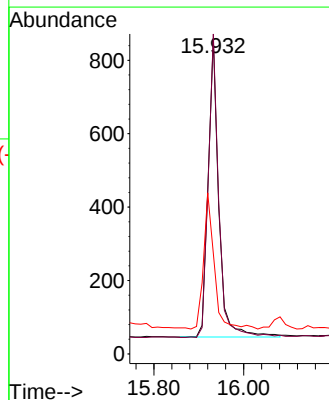
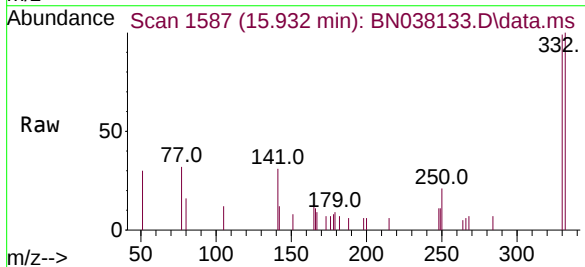
Instrument :
BNA_N
ClientSampleId :
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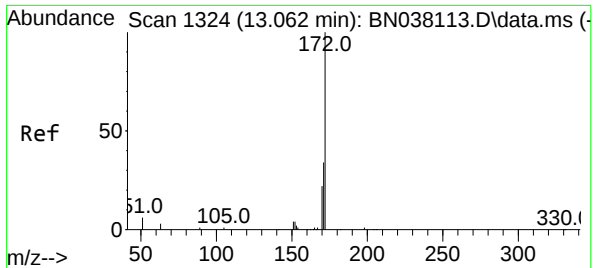
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.3	83.0	124.4
160	57.4	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 0.210 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.6	114.8
141	45.0	34.1	51.1

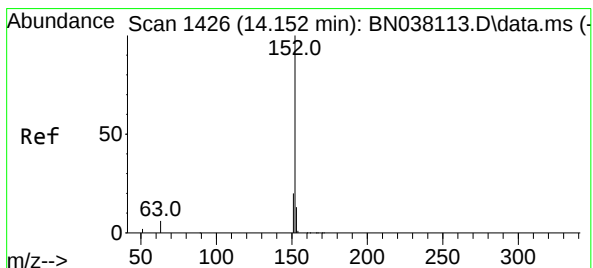
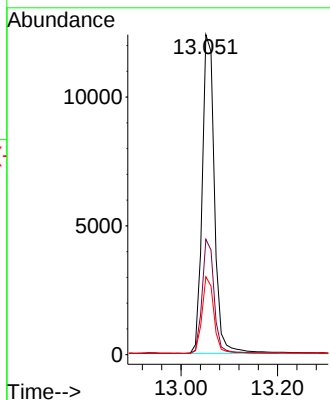
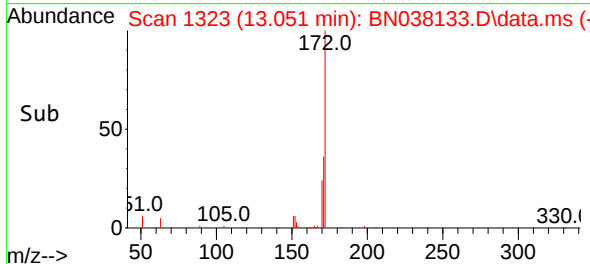
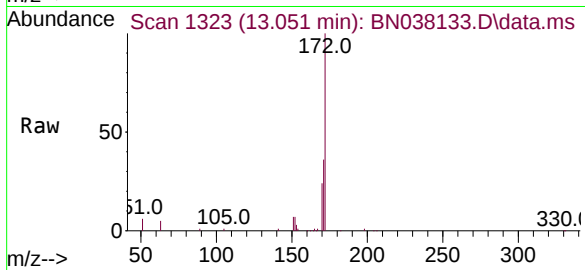




#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

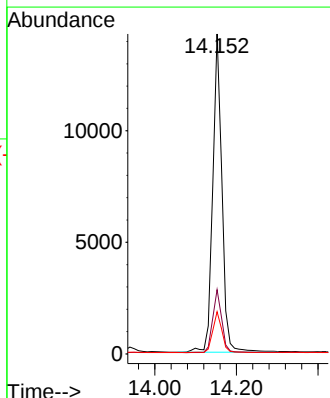
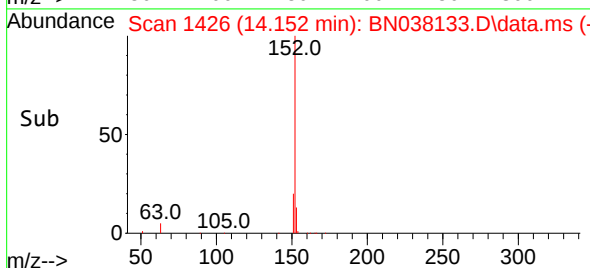
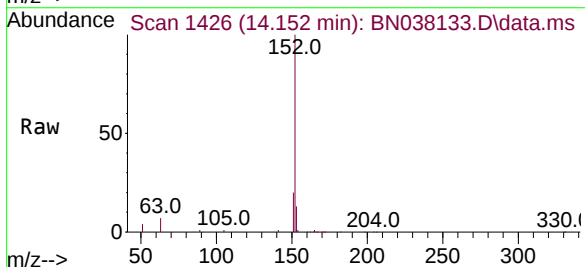
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

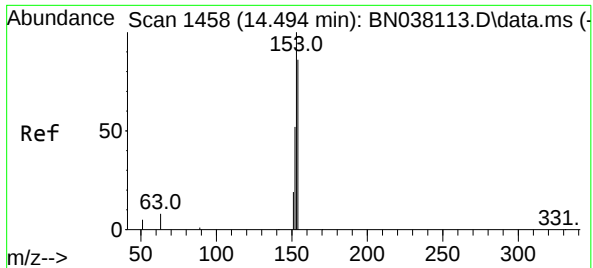
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.3	18.1	27.1



#16
Acenaphthylene
Concen: 0.317 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.2	15.2

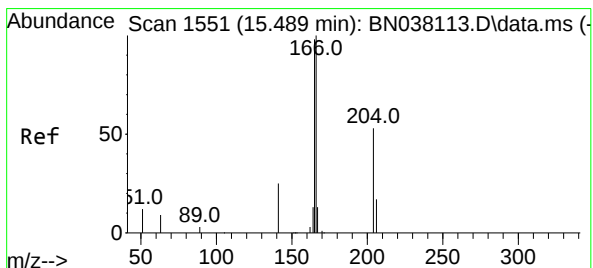
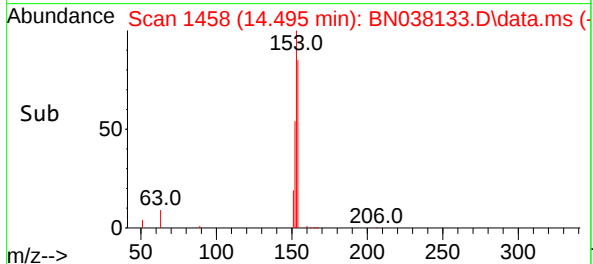
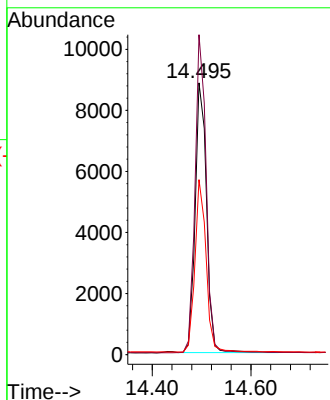
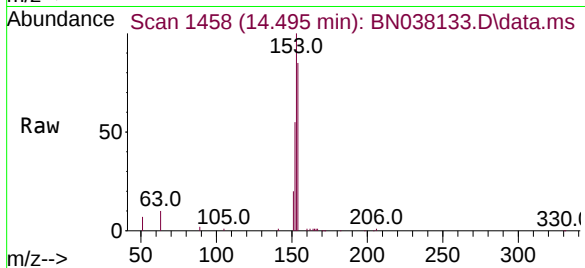




#17
Acenaphthene
Concen: 0.285 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

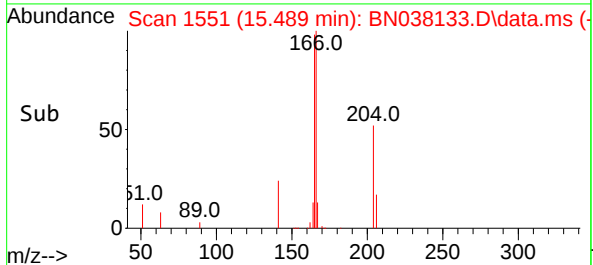
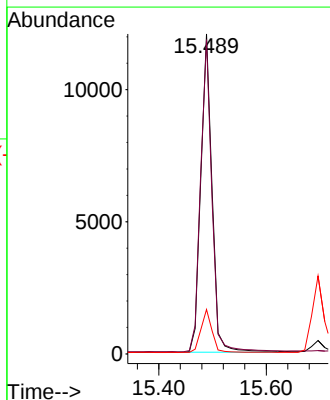
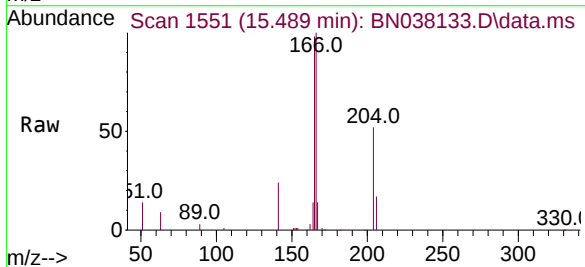
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

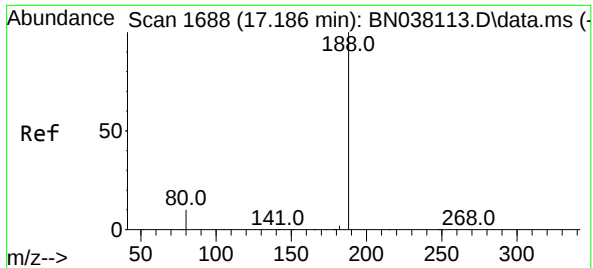
Tgt Ion:154 Resp: 14121
Ion Ratio Lower Upper
154 100
153 115.5 90.0 135.0
152 62.6 47.3 70.9



#18
Fluorene
Concen: 0.291 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:166 Resp: 18901
Ion Ratio Lower Upper
166 100
165 99.6 79.0 118.4
167 13.4 10.7 16.1

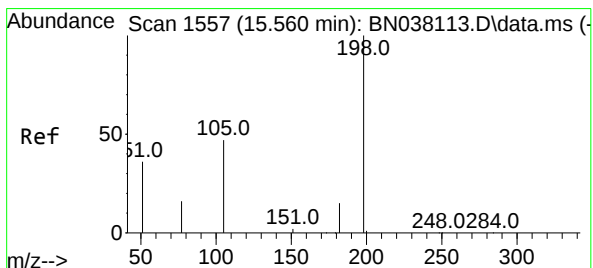
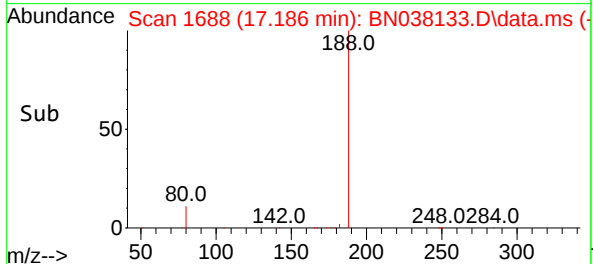
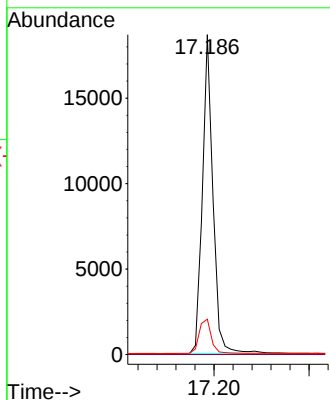
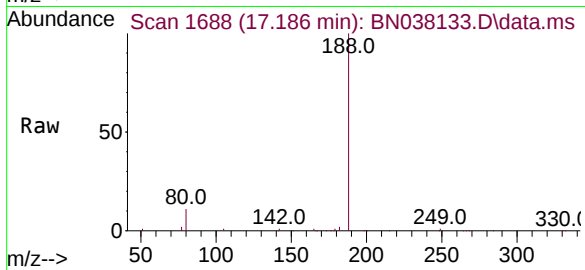




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

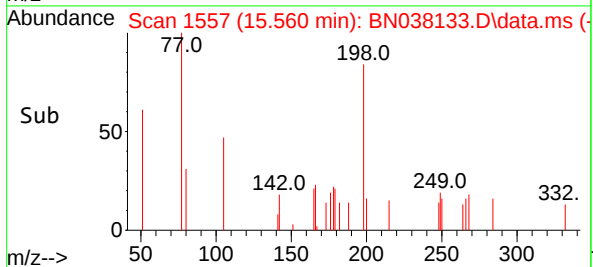
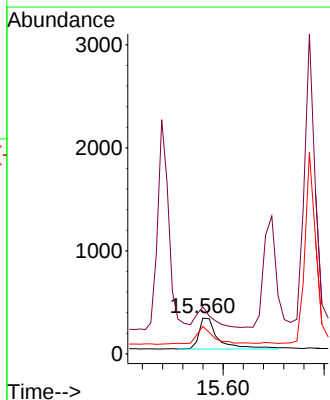
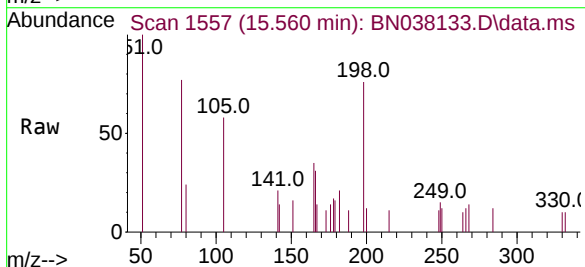
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

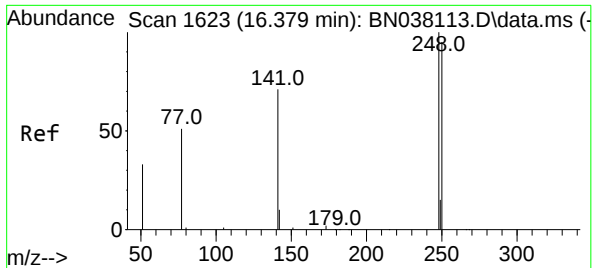
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	8.6	13.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.328 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
198	100		
51	131.7	88.9	133.3
105	76.9	49.2	73.8

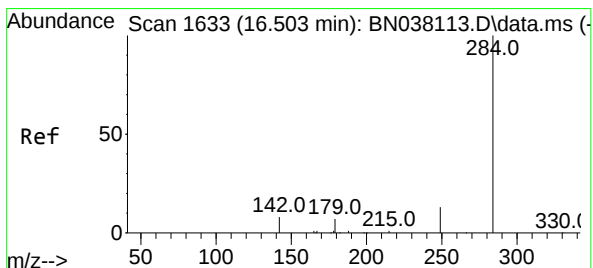
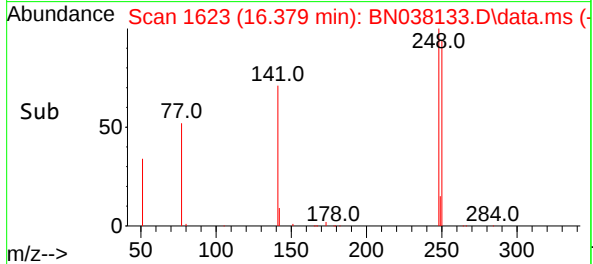
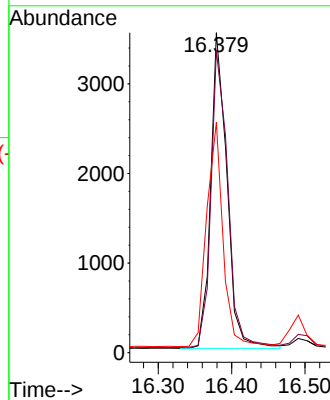
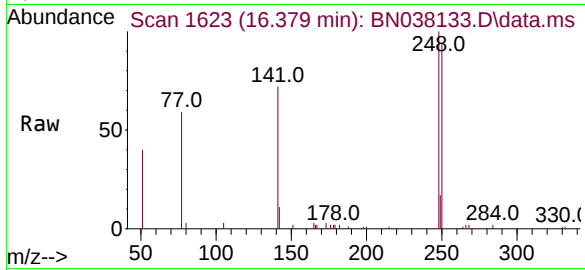




#21
4-Bromophenyl-phenylether
Concen: 0.288 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

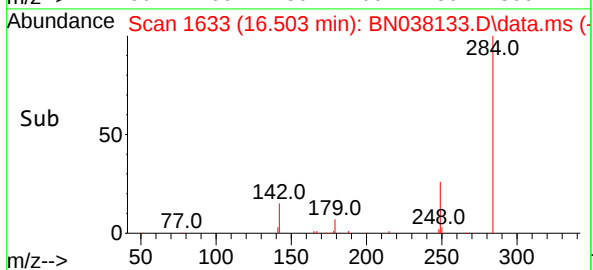
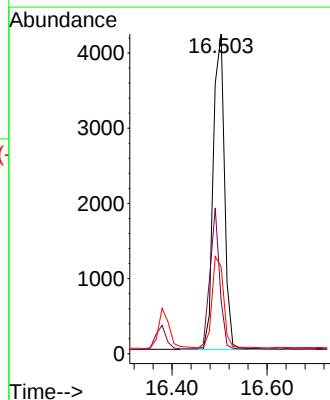
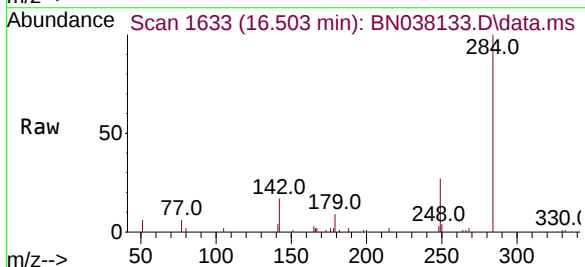
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

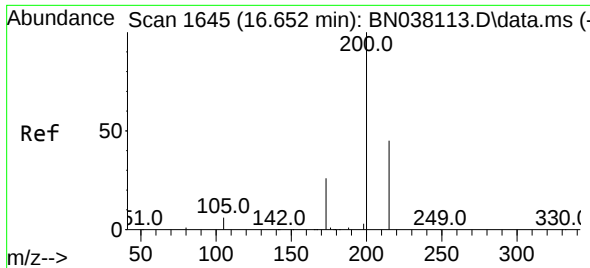
Tgt Ion:248 Resp: 5427
Ion Ratio Lower Upper
248 100
250 94.4 76.2 114.2
141 72.0 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.321 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:284 Resp: 6880
Ion Ratio Lower Upper
284 100
142 38.7 30.5 45.7
249 29.9 23.5 35.3

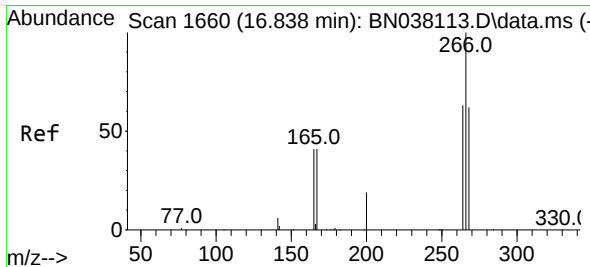
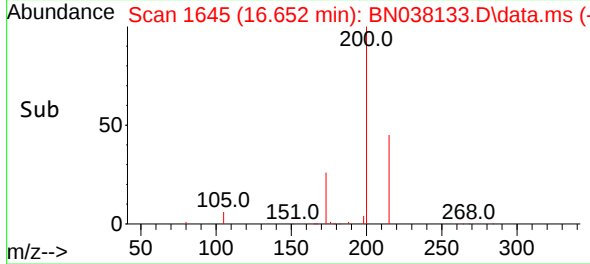
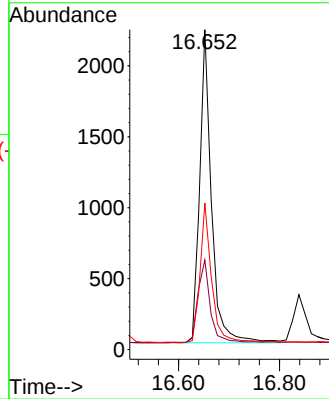
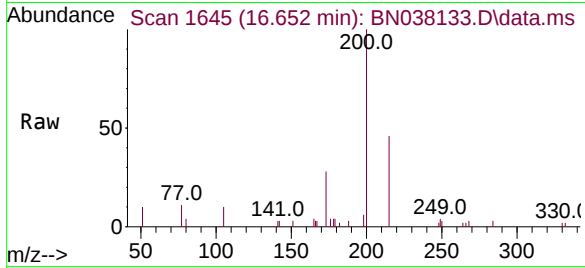




#23
Atrazine
Concen: 0.258 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

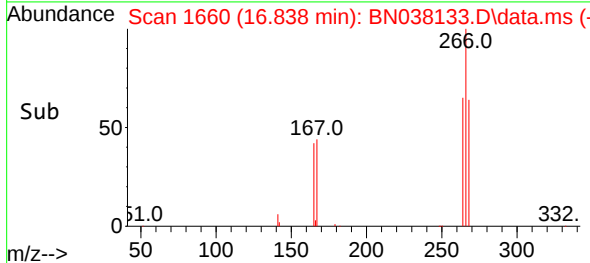
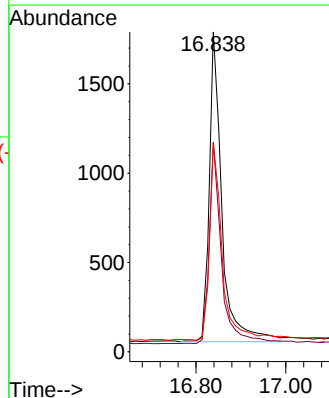
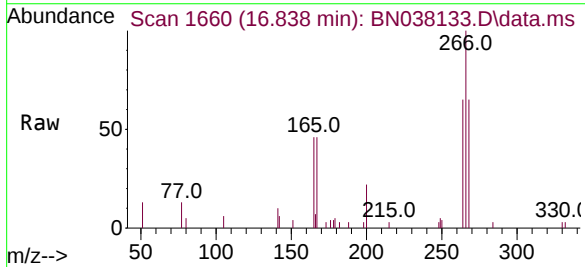
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

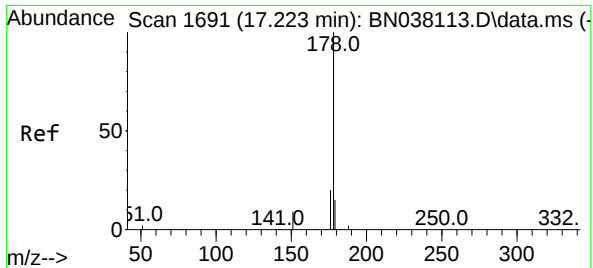
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.0	21.4	32.2
215	45.8	36.7	55.1



#24
Pentachlorophenol
Concen: 0.368 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.3	73.9
268	63.3	50.6	75.8

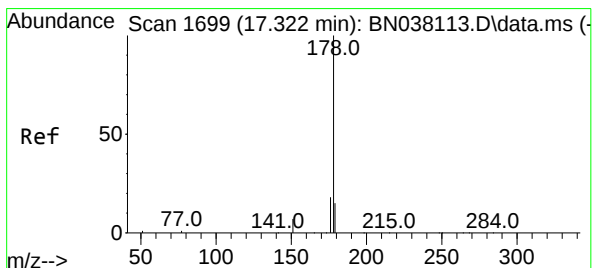
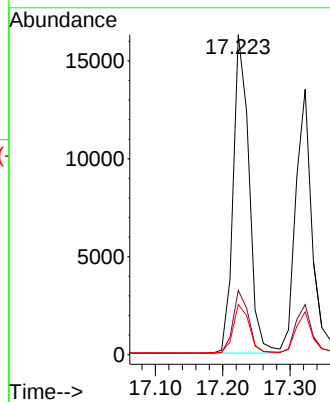
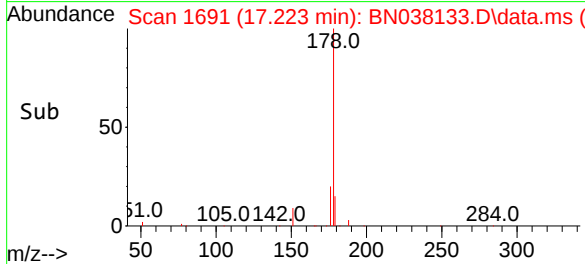
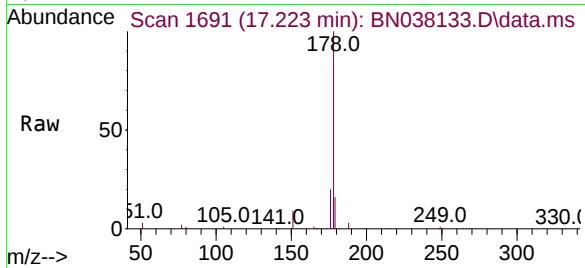




#25
Phenanthrene
Concen: 0.291 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

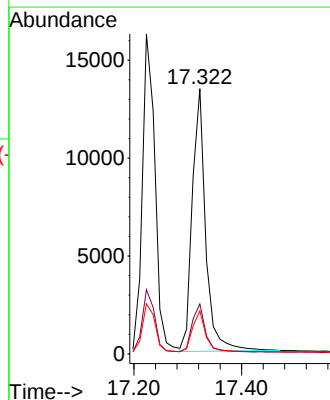
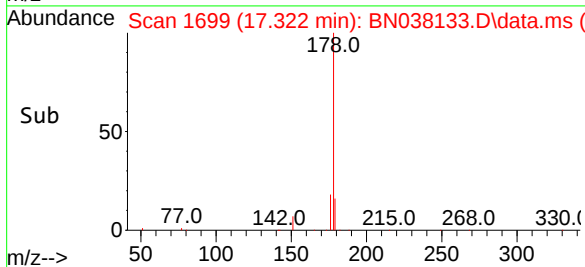
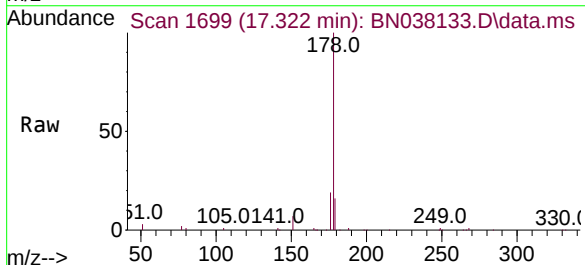
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

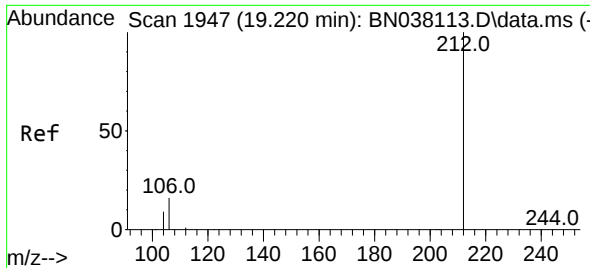
Tgt Ion:178 Resp: 26605
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.291 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:178 Resp: 23247
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.4 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.254 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038133.D

Acq: 04 Nov 2025 12:56

Instrument :

BNA_N

ClientSampleId :

PB170381BSD

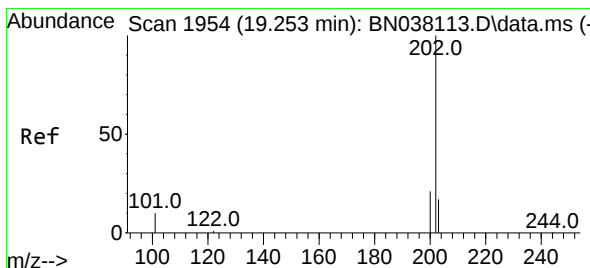
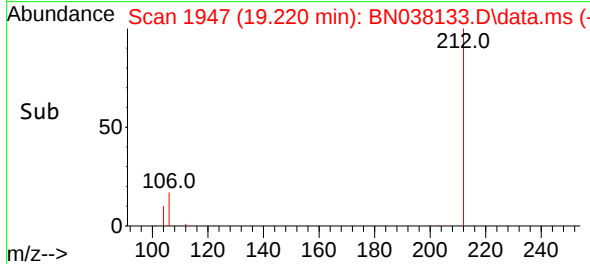
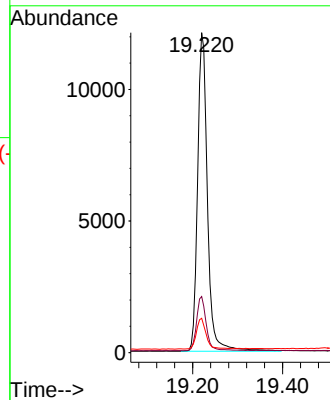
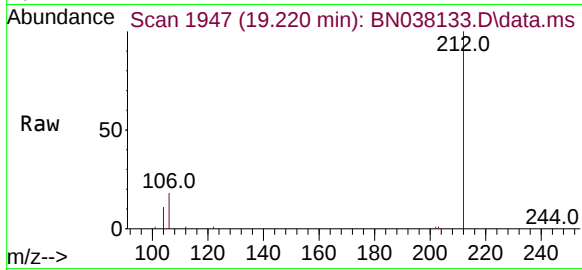
Tgt Ion:212 Resp: 18424

Ion Ratio Lower Upper

212 100

106 16.8 12.6 19.0

104 9.5 7.1 10.7



#28

Fluoranthene

Concen: 0.255 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038133.D

Acq: 04 Nov 2025 12:56

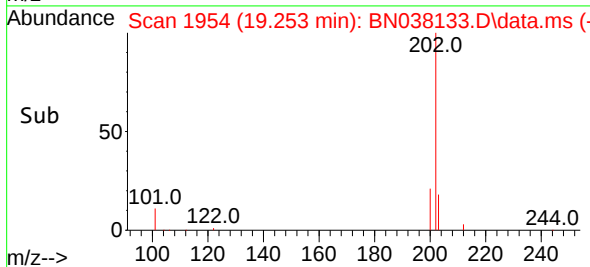
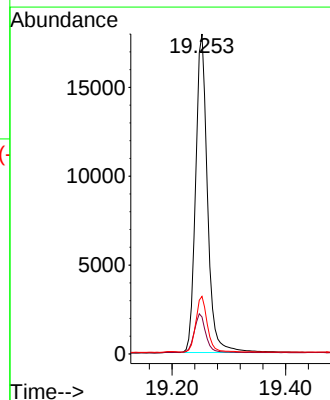
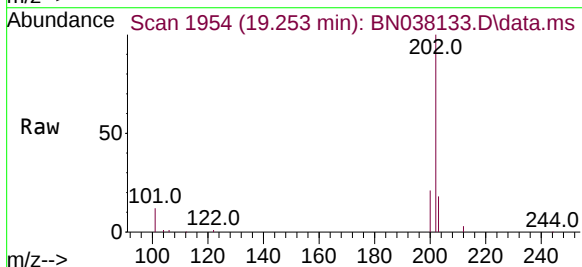
Tgt Ion:202 Resp: 25972

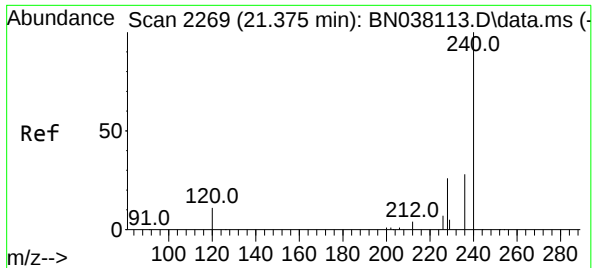
Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

203 16.9 13.4 20.2

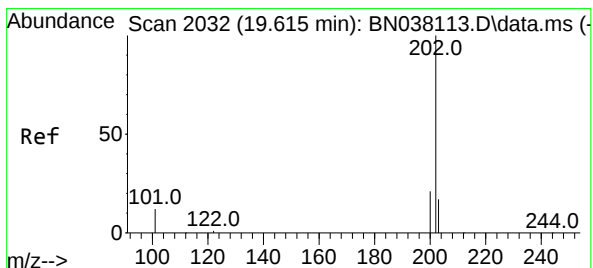
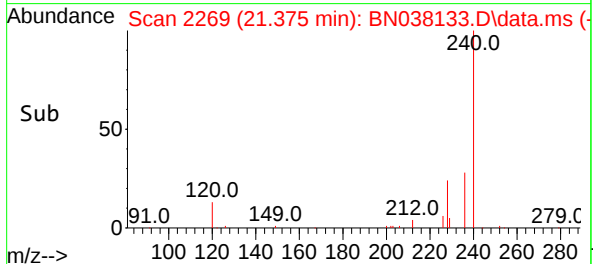
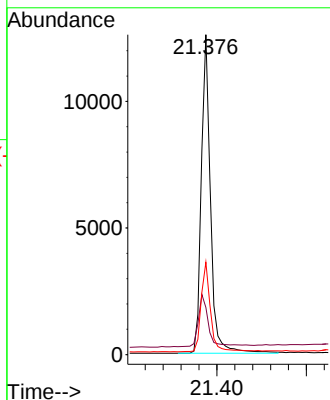
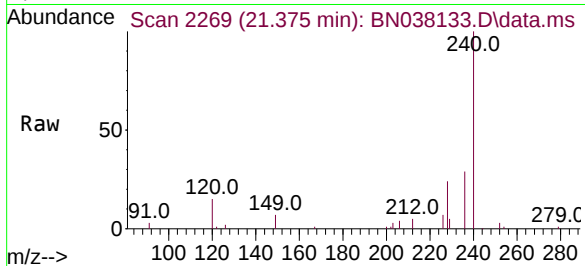




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

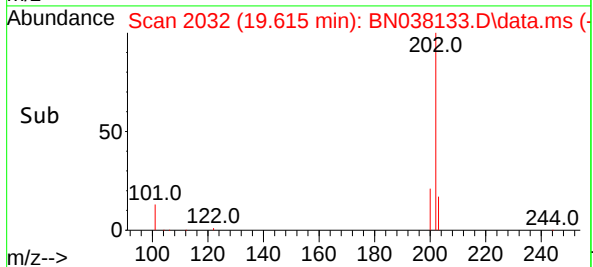
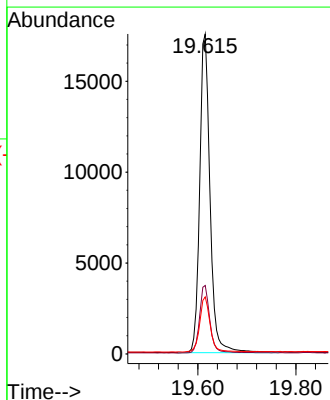
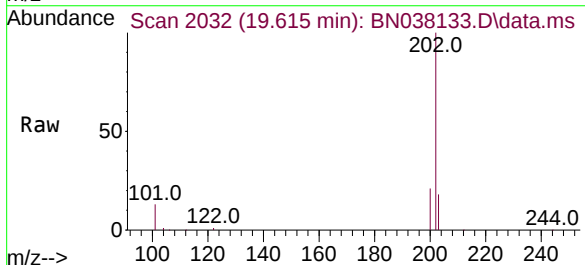
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

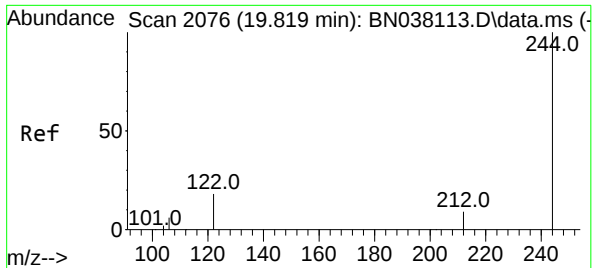
Tgt Ion:240 Resp: 18053
Ion Ratio Lower Upper
240 100
120 14.7 10.7 16.1
236 28.9 23.1 34.7



#30
Pyrene
Concen: 0.314 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:202 Resp: 25592
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.4 14.2 21.2

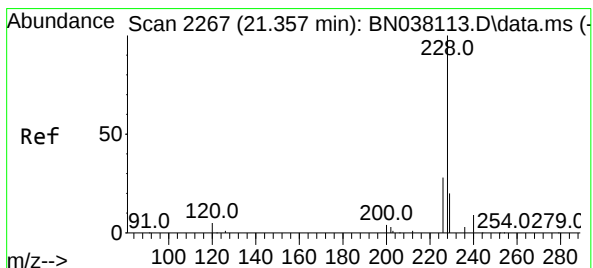
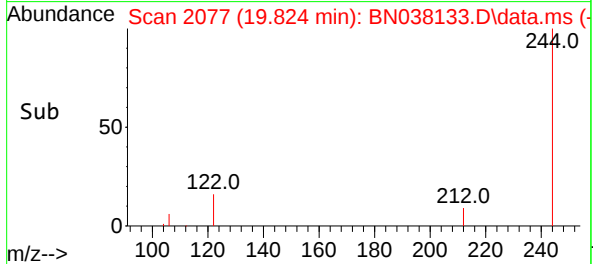
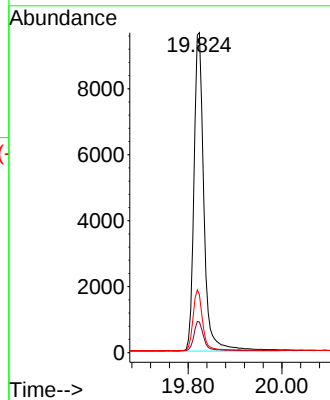
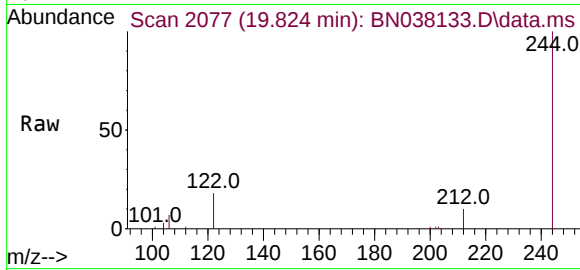




#31
Terphenyl-d14
Concen: 0.363 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

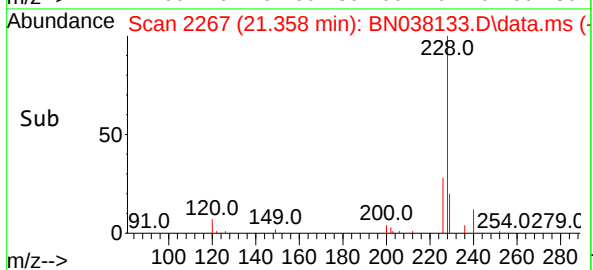
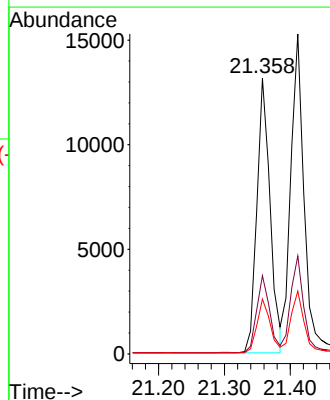
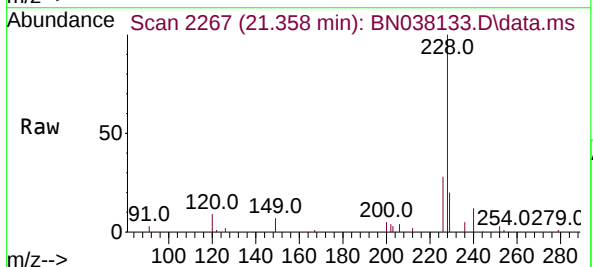
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

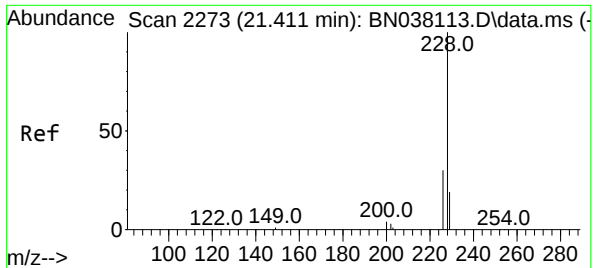
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.8	11.6
122	18.1	15.2	22.8



#32
Benzo(a)anthracene
Concen: 0.285 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	19.9	15.8	23.8

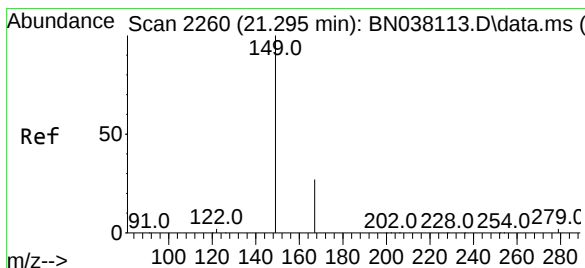
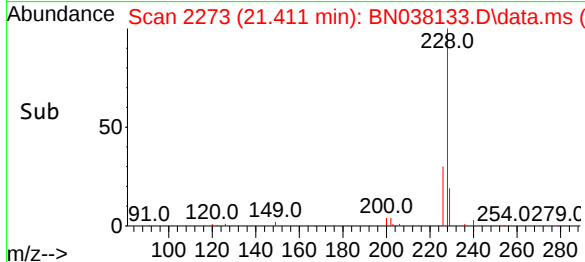
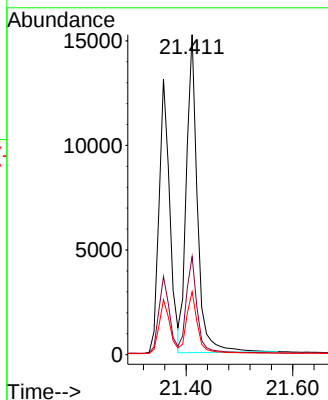
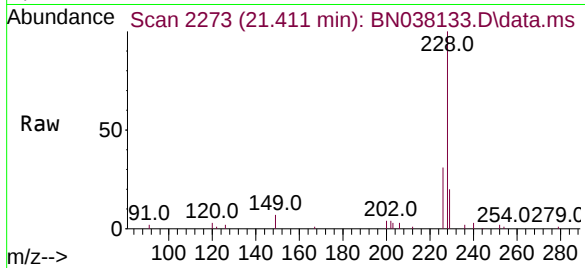




#33
Chrysene
Concen: 0.311 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

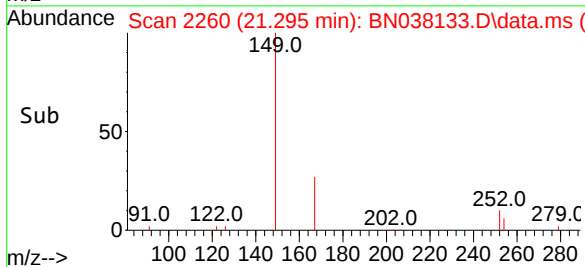
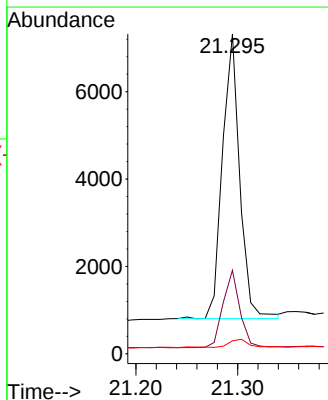
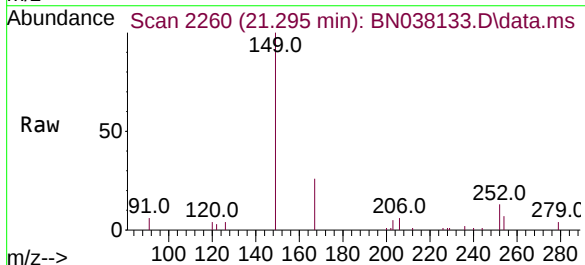
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

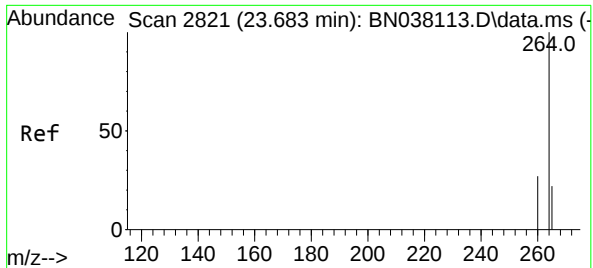
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	19.6	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.227 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.1	31.7
279	3.6	2.9	4.3

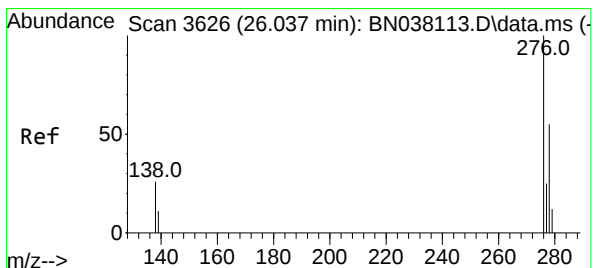
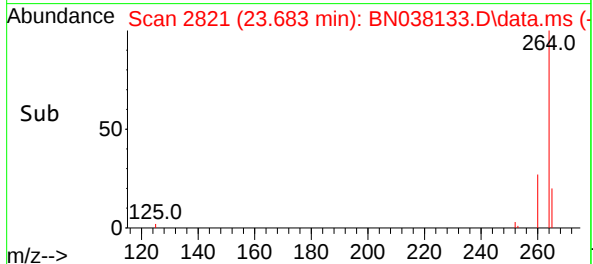
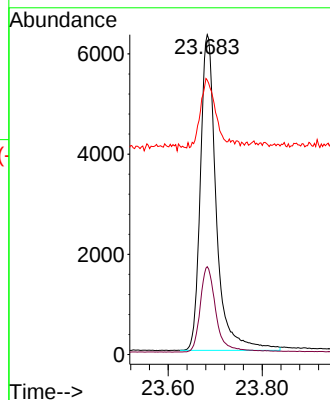
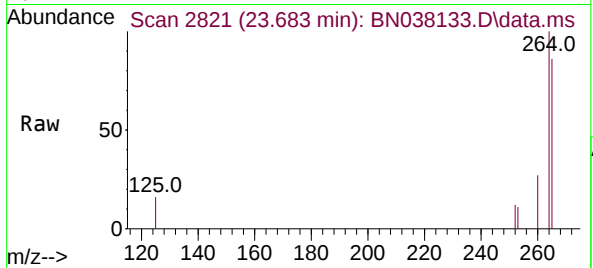




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

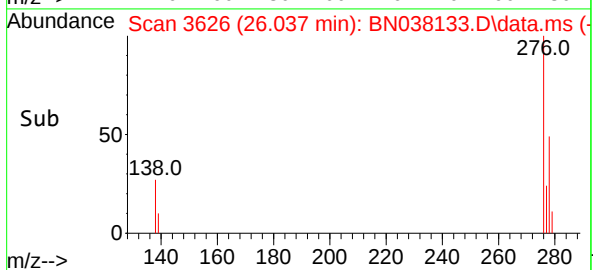
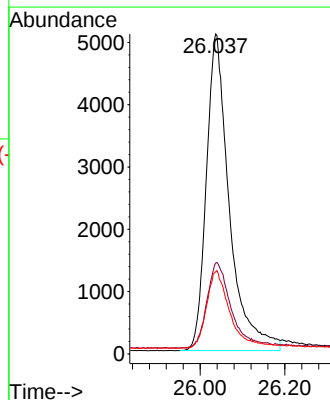
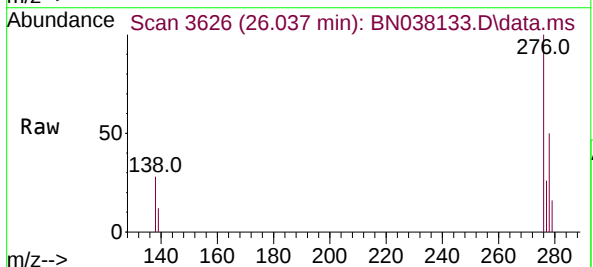
Instrument :
BNA_N
ClientSampleId :
PB170381BSD

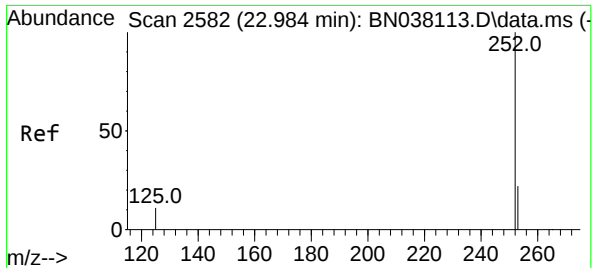
Tgt Ion:264 Resp: 14856
Ion Ratio Lower Upper
264 100
260 27.5 21.8 32.8
265 85.8 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.315 ng
RT: 26.037 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038133.D
Acq: 04 Nov 2025 12:56

Tgt Ion:276 Resp: 19208
Ion Ratio Lower Upper
276 100
138 28.0 21.4 32.0
277 25.2 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.290 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038133.D

Acq: 04 Nov 2025 12:56

Instrument :

BNA_N

ClientSampleId :

PB170381BSD

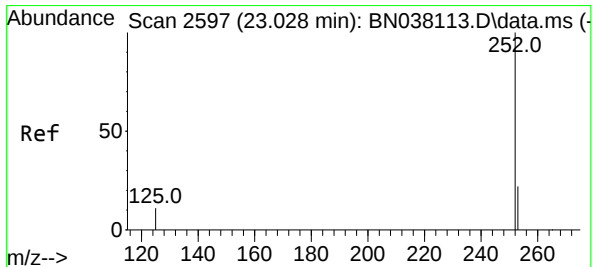
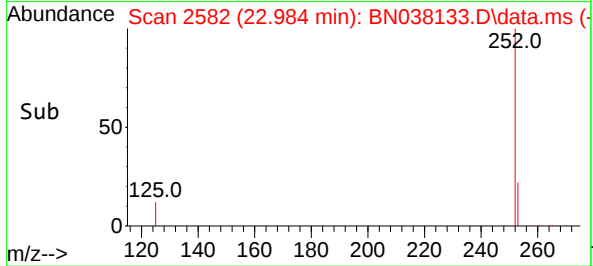
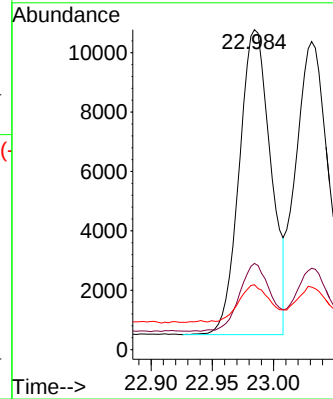
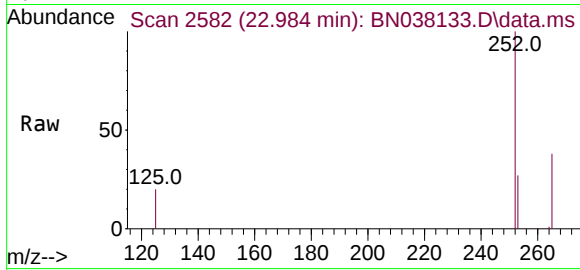
Tgt Ion:252 Resp: 18434

Ion Ratio Lower Upper

252 100

253 26.9 20.9 31.3

125 20.3 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.308 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038133.D

Acq: 04 Nov 2025 12:56

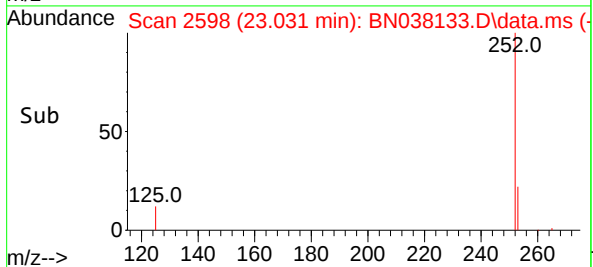
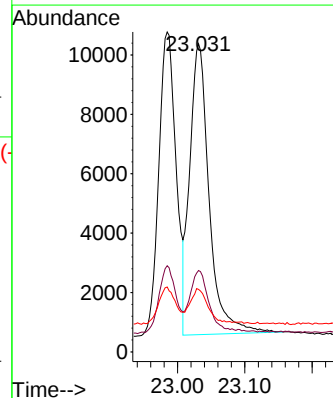
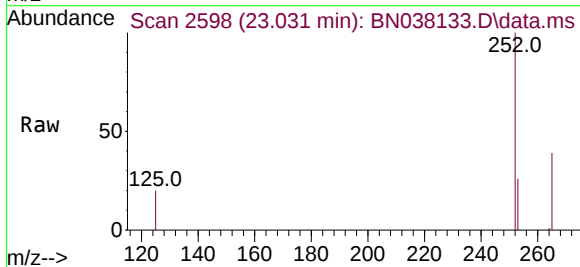
Tgt Ion:252 Resp: 19683

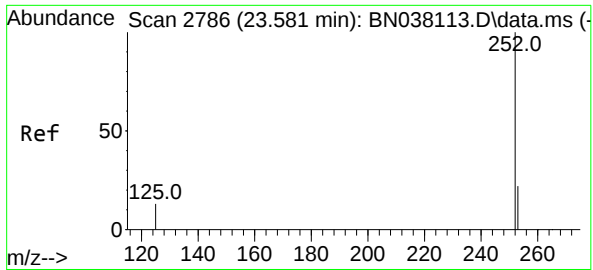
Ion Ratio Lower Upper

252 100

253 26.4 21.2 31.8

125 20.3 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.296 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038133.D

Acq: 04 Nov 2025 12:56

Instrument :

BNA_N

ClientSampleId :

PB170381BSD

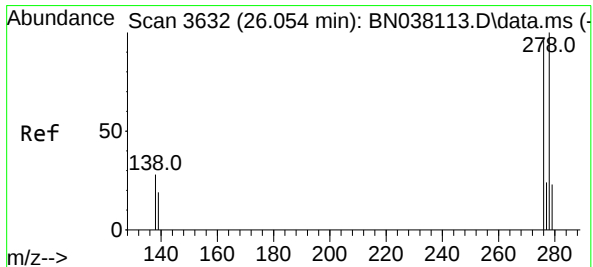
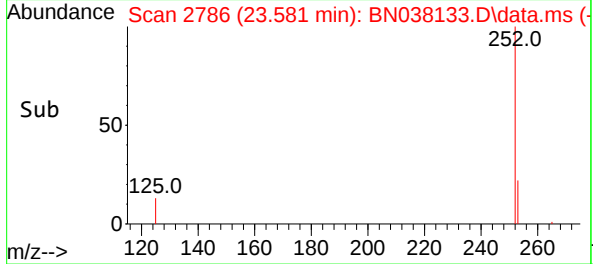
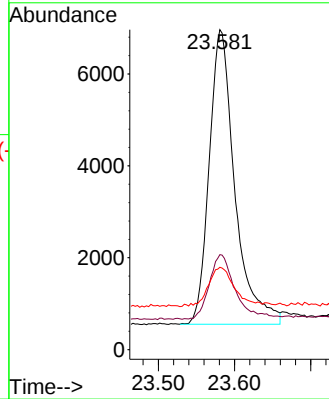
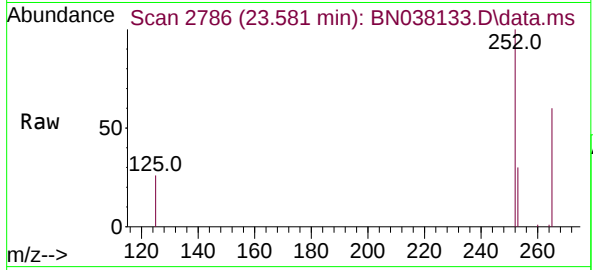
Tgt Ion:252 Resp: 15027

Ion Ratio Lower Upper

252 100

253 29.7 23.1 34.7

125 25.7 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.315 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038133.D

Acq: 04 Nov 2025 12:56

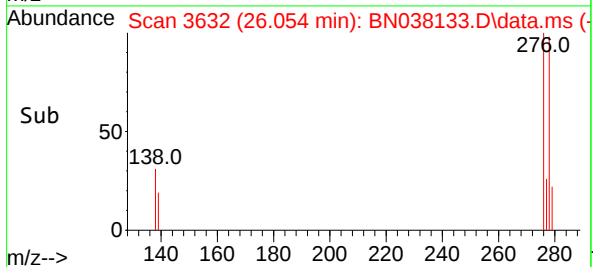
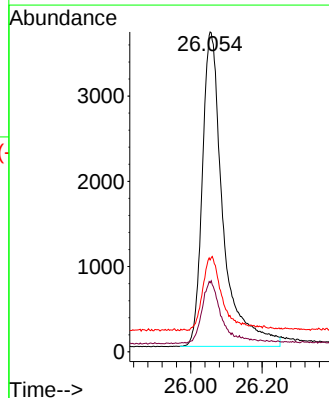
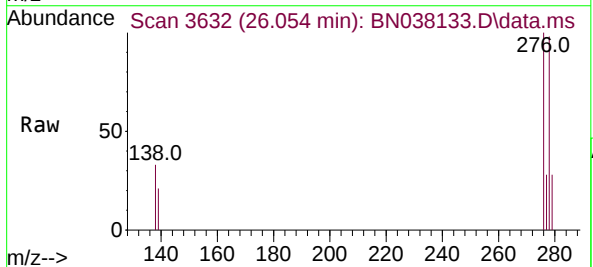
Tgt Ion:278 Resp: 14795

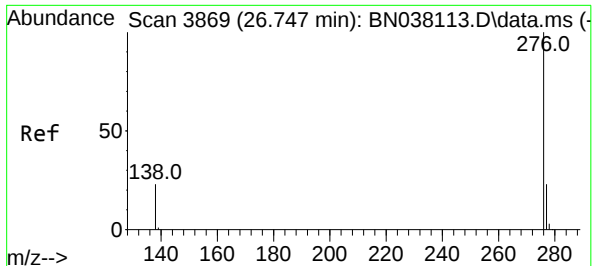
Ion Ratio Lower Upper

278 100

139 21.6 17.6 26.4

279 28.7 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.321 ng

RT: 26.753 min Scan# 38

Delta R.T. 0.003 min

Lab File: BN038133.D

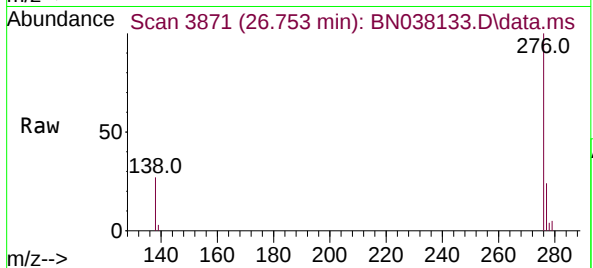
Acq: 04 Nov 2025 12:56

Instrument :

BNA_N

ClientSampleId :

PB170381BSD



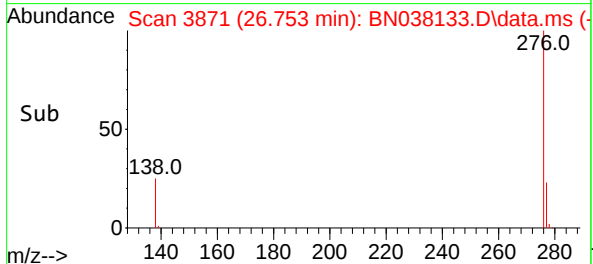
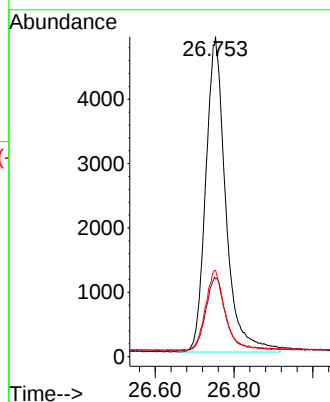
Tgt Ion:276 Resp: 17207

Ion Ratio Lower Upper

276 100

277 24.3 19.7 29.5

138 26.9 20.2 30.4





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

Manual Integration Report

Sequence:	BN102825	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.8	BN038114.D	Benzo(b)fluoranthene	rahul	10/29/2025 9:43:43 AM	mohammad	10/30/2025 5:29:45 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BN110425

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN102825

Review By	rahul	Review On	10/28/2025 3:41:07 PM
Supervise By	mohammad	Supervise On	10/30/2025 5:29:45 AM
SubDirectory	BN102825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038110.D	28 Oct 2025 12:05	RC/JU	Ok
2	SSTDICC0.1	BN038111.D	28 Oct 2025 13:00	RC/JU	Ok
3	SSTDICC0.2	BN038112.D	28 Oct 2025 13:36	RC/JU	Ok
4	SSTDICCC0.4	BN038113.D	28 Oct 2025 14:13	RC/JU	Ok
5	SSTDICC0.8	BN038114.D	28 Oct 2025 14:49	RC/JU	Ok,M
6	SSTDICC1.6	BN038115.D	28 Oct 2025 15:25	RC/JU	Ok
7	SSTDICC3.2	BN038116.D	28 Oct 2025 16:02	RC/JU	Ok
8	SSTDICC5.0	BN038117.D	28 Oct 2025 16:38	RC/JU	Ok
9	SSTDICV0.4	BN038118.D	28 Oct 2025 17:51	RC/JU	Ok
10	PB170167BL	BN038119.D	28 Oct 2025 19:04	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN110425

Review By	rahul	Review On	11/5/2025 10:39:28 AM
Supervise By	Jagrut	Supervise On	11/5/2025 2:05:23 PM
SubDirectory	BN110425	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038129.D	04 Nov 2025 10:00	RC/JU	Ok
2	SSTDCCC0.4	BN038130.D	04 Nov 2025 10:40	RC/JU	Ok
3	PB170381BL	BN038131.D	04 Nov 2025 11:43	RC/JU	Ok
4	PB170381BS	BN038132.D	04 Nov 2025 12:19	RC/JU	Ok
5	PB170381BSD	BN038133.D	04 Nov 2025 12:56	RC/JU	Ok
6	Q3494-01	BN038134.D	04 Nov 2025 13:32	RC/JU	Ok
7	Q3525-01	BN038135.D	04 Nov 2025 14:08	RC/JU	Dilution
8	Q3525-02	BN038136.D	04 Nov 2025 14:45	RC/JU	Ok
9	Q3525-03	BN038137.D	04 Nov 2025 15:21	RC/JU	Ok
10	Q3526-01	BN038138.D	04 Nov 2025 15:57	RC/JU	Ok
11	Q3526-02	BN038139.D	04 Nov 2025 16:34	RC/JU	Ok
12	Q3526-03	BN038140.D	04 Nov 2025 17:10	RC/JU	Ok
13	Q3526-04	BN038141.D	04 Nov 2025 17:46	RC/JU	Ok
14	Q3527-01	BN038142.D	04 Nov 2025 18:22	RC/JU	Ok
15	Q3527-02	BN038143.D	04 Nov 2025 18:59	RC/JU	Ok
16	Q3525-01DL	BN038144.D	04 Nov 2025 19:35	RC/JU	Ok
17	SSTDCCC0.4	BN038145.D	04 Nov 2025 20:12	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN102825

Review By	rahul	Review On	10/28/2025 3:41:07 PM
Supervise By	mohammad	Supervise On	10/30/2025 5:29:45 AM
SubDirectory	BN102825	HP Acquire Method	BNA_N, 8270_HP Processing Method BN102825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038110.D	28 Oct 2025 12:05		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038111.D	28 Oct 2025 13:00		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN038112.D	28 Oct 2025 13:36		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038113.D	28 Oct 2025 14:13	compound #20 kept on LR	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038114.D	28 Oct 2025 14:49		RC/JU	Ok,M
6	SSTDICC1.6	SSTDICC1.6	BN038115.D	28 Oct 2025 15:25		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038116.D	28 Oct 2025 16:02		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038117.D	28 Oct 2025 16:38	Compound #20 removed from 5PPM	RC/JU	Ok
9	SSTDICV0.4	ICVBN102825	BN038118.D	28 Oct 2025 17:51		RC/JU	Ok
10	PB170167BL	PB170167BL	BN038119.D	28 Oct 2025 19:04	END CCC missing, Analyzed for Contamination check.	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN110425

Review By	rahul	Review On	11/5/2025 10:39:28 AM
Supervise By	Jagrut	Supervise On	11/5/2025 2:05:23 PM
SubDirectory	BN110425	HP Acquire Method	BNA_N, 8270_HP Processing Method BN102825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038129.D	04 Nov 2025 10:00		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038130.D	04 Nov 2025 10:40		RC/JU	Ok
3	PB170381BL	PB170381BL	BN038131.D	04 Nov 2025 11:43		RC/JU	Ok
4	PB170381BS	PB170381BS	BN038132.D	04 Nov 2025 12:19		RC/JU	Ok
5	PB170381BSD	PB170381BSD	BN038133.D	04 Nov 2025 12:56	Recovery fail low for 1,4-Dioxane.	RC/JU	Ok
6	Q3494-01	MW3	BN038134.D	04 Nov 2025 13:32		RC/JU	Ok
7	Q3525-01	RW5-SP100-20251030	BN038135.D	04 Nov 2025 14:08	Need 2X Dilution	RC/JU	Dilution
8	Q3525-02	RW5-SP201-20251030	BN038136.D	04 Nov 2025 14:45		RC/JU	Ok
9	Q3525-03	RW5-SP303-20251030	BN038137.D	04 Nov 2025 15:21		RC/JU	Ok
10	Q3526-01	RW7-SP100-20251030	BN038138.D	04 Nov 2025 15:57		RC/JU	Ok
11	Q3526-02	RW7-SP201-20251030	BN038139.D	04 Nov 2025 16:34		RC/JU	Ok
12	Q3526-03	RW7-SP302-20251030	BN038140.D	04 Nov 2025 17:10		RC/JU	Ok
13	Q3526-04	RW7-SP303-20251030	BN038141.D	04 Nov 2025 17:46		RC/JU	Ok
14	Q3527-01	RW8-SP100-20251030	BN038142.D	04 Nov 2025 18:22		RC/JU	Ok
15	Q3527-02	RW8-SP303-20251030	BN038143.D	04 Nov 2025 18:59		RC/JU	Ok
16	Q3525-01DL	RW5-SP100-20251030	BN038144.D	04 Nov 2025 19:35		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4EC	BN038145.D	04 Nov 2025 20:12		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 11/03/2025

Extraction Start Time : 11:20

Extraction End Date : 11/03/2025

Extraction End Time : 16:20

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6876
Surrogate	1.0ML	0.4 PPM	SP6873
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	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2610
10N NaOH	N/A	EP2609
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:

PH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

KD Bath ID: WATER BATH-1

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

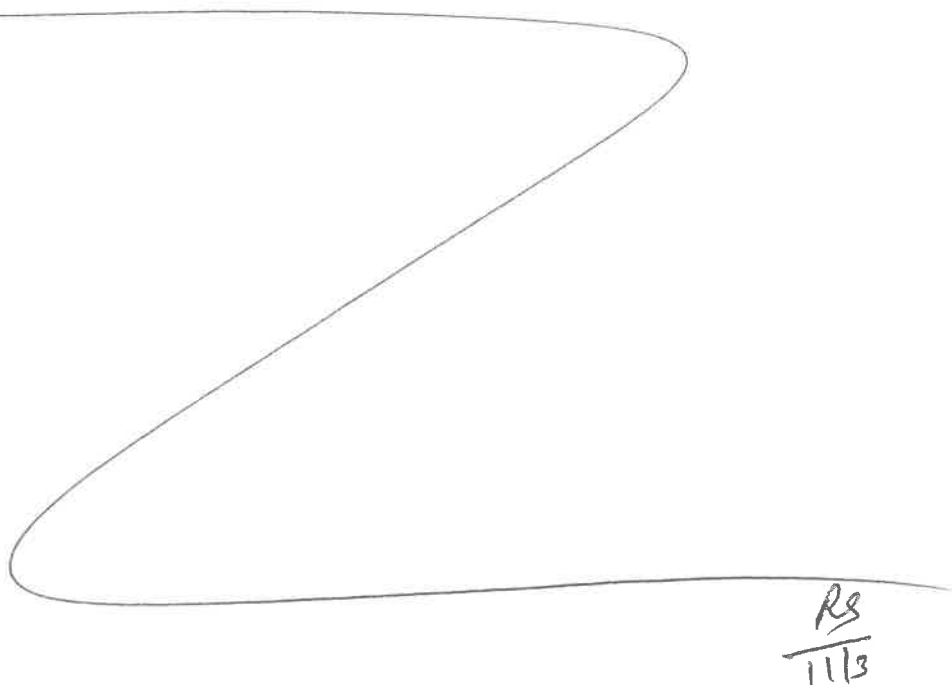
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/3/25	RS (Ext Lab)	Relsvoc
16:25	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 11/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170381BL	SBLK381	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB170381BS	SLCS381	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
PB170381BS D	SLCSD381	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			3
Q3494-01	MW3	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	D		4
Q3525-01	RW5-SP100-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			5
Q3525-02	RW5-SP201-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			6
Q3525-03	RW5-SP303-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			7
Q3526-01	RW7-SP100-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			8
Q3526-02	RW7-SP201-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			9
Q3526-03	RW7-SP302-20251030	SVOC-SIMGrou p1	940	6	RUPESH	ritesh	1			10
Q3526-04	RW7-SP303-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			11
Q3527-01	RW8-SP100-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	D		12
Q3527-02	RW8-SP303-20251030	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	D		13



170381
11:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3526 WorkList ID : 192855 Department : Extraction Date : 11-03-2025 11:15:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3494-01	MW3	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	J31	10/29/2025	8270-Modified
Q3525-01	RW5-SP100-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3525-02	RW5-SP201-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3525-03	RW5-SP303-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3526-01	RW7-SP100-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3526-02	RW7-SP201-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3526-03	RW7-SP302-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3526-04	RW7-SP303-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	A12	10/30/2025	8270-Modified
Q3527-01	RW8-SP100-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	10/30/2025	8270-Modified
Q3527-02	RW8-SP303-20251030	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	10/30/2025	8270-Modified

Date/Time 11/3/25 11:15
Raw Sample Received by: RS (Ex-66)
Raw Sample Relinquished by: RS (Ex-66)

Date/Time 11/3/25 11:50
Raw Sample Received by: RS (Ex-66)
Raw Sample Relinquished by: RS (Ex-66)



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: **G ENVIRONMENTAL**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Communipaw**
PROJECT NO.: LOCATION: **NT**
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **G ENVIRONMENTAL**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) **Standard** DAYS*
HARDCOPY (DATA PACKAGE): **Standard** DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other **SEP**
☒ EDD FORMAT **hardcopy NJDP**

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	MW3	BW		X	10/29	1330	4			X	X						
2.	Field	Blank	X		10/29	1313	2			X	X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 10/30/25	RECEIVED BY: CR	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2-1 °C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments: BNHS low level BNs
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	MW3 Communipaw
3.			CLIENT: ☐ Hand Delivered ☐ Other JP Bunte
Page ____ of ____			Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3494	GENV01	Order Date : 10/30/2025 10:22:00 AM	Project Mgr :
Client Name : G Environmental		Project Name : Communipaw	Report Type : Level 1 NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 10/30/2025 10:13:00 AM	EDD Type : NJ HAZSITE
Invoice Name : G Environmental		Purchase Order : 30	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3494-01	MW3	Water	10/29/2025	13:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3494-02	Field	Water	10/29/2025	13:13					
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By : cl
Date / Time : 10/30/25 11:13

Received By : Samy
Date / Time : 10/30/25 11:13 Rg# 4

Storage Area : VOA Refridgerator Room