

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038177.D
 Acq On : 10 Nov 2025 12:02
 Operator : RC/JU
 Sample : Q3552-01DL 40X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

Quant Time: Nov 10 12:27:41 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)

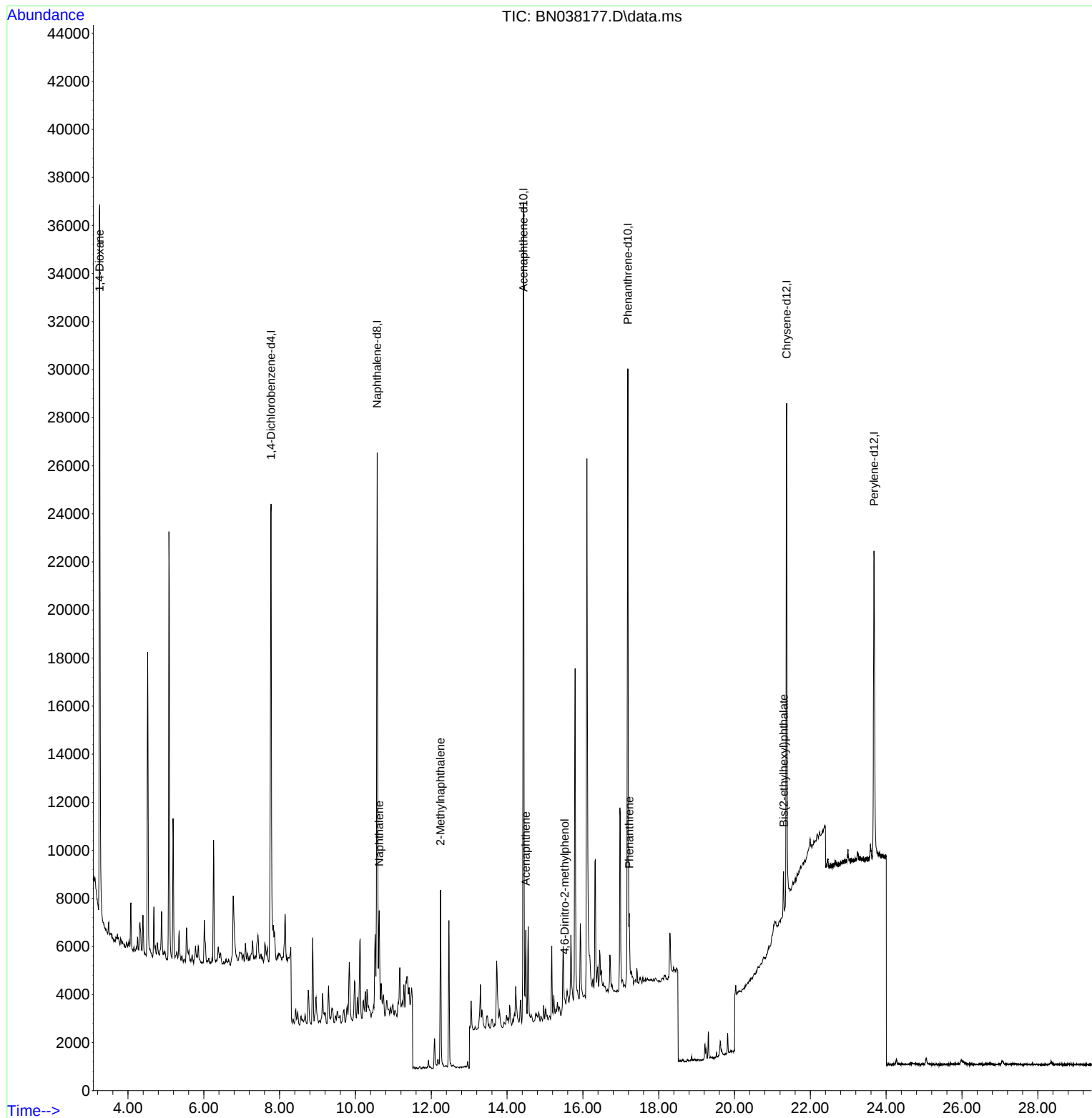
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9410	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31248	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19363	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	36917	0.400	ng	0.00
29) Chrysene-d12	21.375	240	22577	0.400	ng	0.00
35) Perylene-d12	23.680	264	19722	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	215	0.010	ng	0.00
5) Phenol-d6	6.944	99	147	0.005	ng	0.00
8) Nitrobenzene-d5	8.929	82	343	0.014	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	388	0.009	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	102	0.013	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	1132	0.015	ng	0.00
27) Fluoranthene-d10	19.220	212	780	0.008	ng	0.00
31) Terphenyl-d14	19.819	244	867	0.018	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	20812	2.141	ng	99
9) Naphthalene	10.626	128	4596	0.053	ng	# 92
12) 2-Methylnaphthalene	12.243	142	5608	0.098	ng	95
17) Acenaphthene	14.494	154	1832	0.030	ng	98
20) 4,6-Dinitro-2-methylph...	15.523	198	14	0.185	ng	# 1
25) Phenanthrene	17.223	178	2511	0.021	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.295	149	2134	0.050	ng	91

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

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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

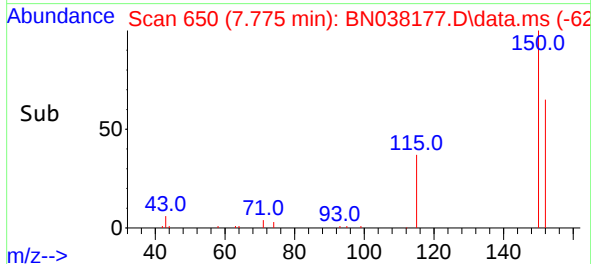
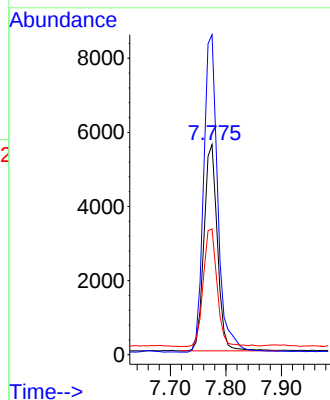
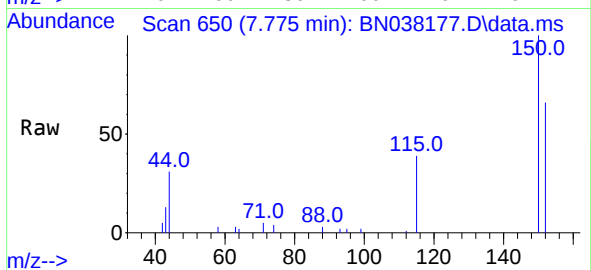




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

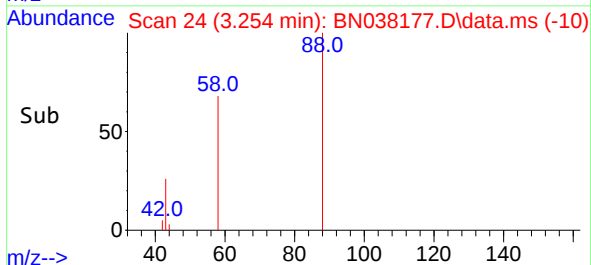
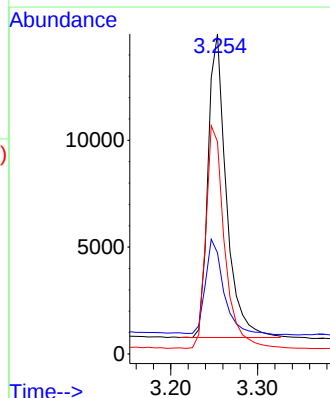
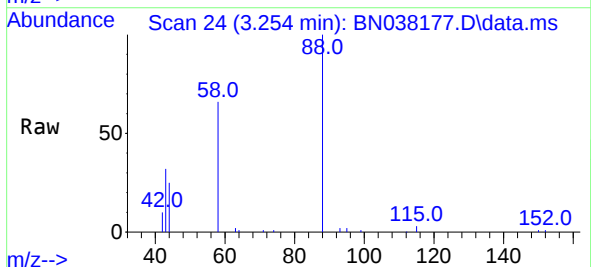
Instrument :
BNA_N
ClientSampleId :
MW-4DL

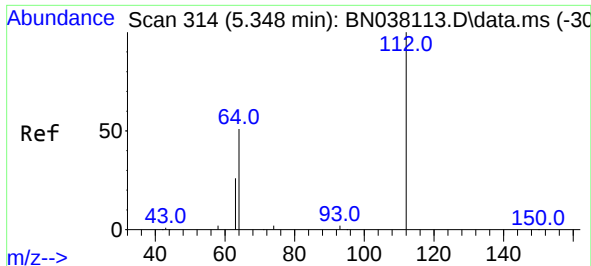
Tgt Ion:152 Resp: 9410
Ion Ratio Lower Upper
152 100
150 152.3 122.3 183.5
115 59.8 47.4 71.0



#2
1,4-Dioxane
Concen: 2.141 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion: 88 Resp: 20812
Ion Ratio Lower Upper
88 100
43 31.6 24.3 36.5
58 74.6 60.4 90.6

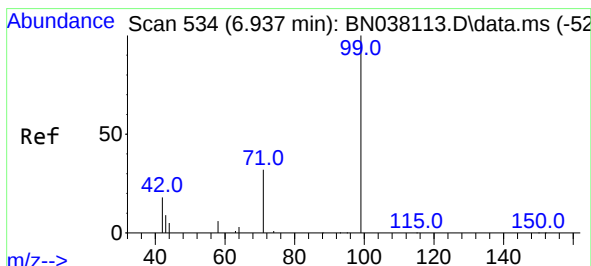
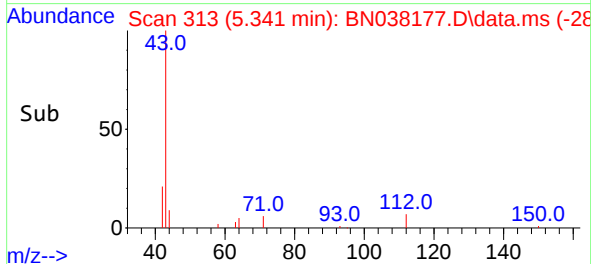
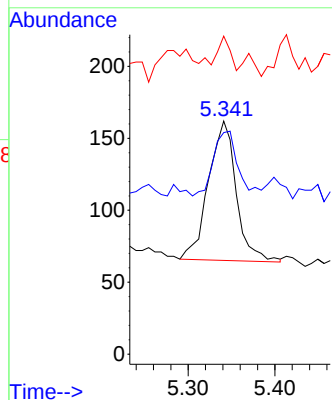
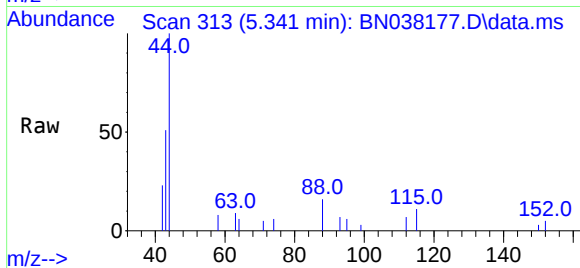




#4
2-Fluorophenol
Concen: 0.010 ng
RT: 5.341 min Scan# 314
Delta R.T. -0.007 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

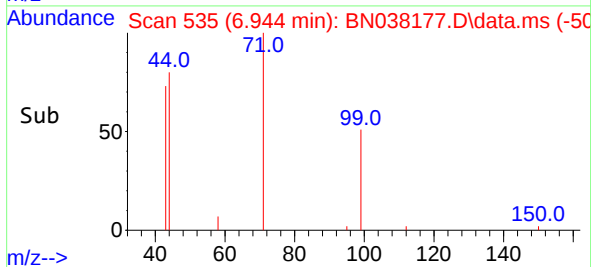
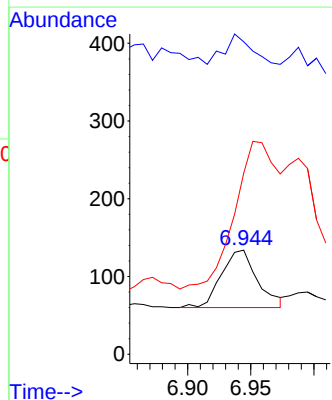
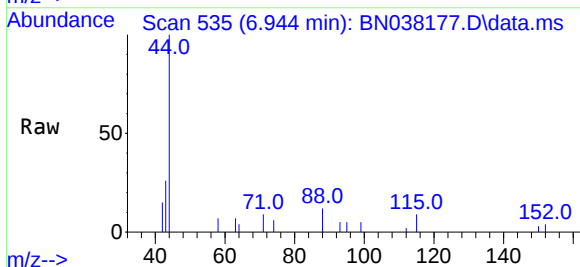
Instrument :
BNA_N
ClientSampleId :
MW-4DL

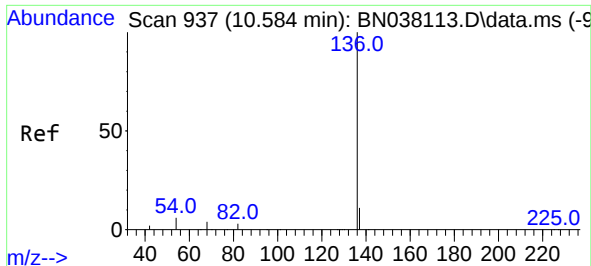
Tgt Ion:112 Resp: 215
Ion Ratio Lower Upper
112 100
64 45.1 45.4 68.0#
63 16.3 23.2 34.8#



#5
Phenol-d6
Concen: 0.005 ng
RT: 6.944 min Scan# 535
Delta R.T. 0.007 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion: 99 Resp: 147
Ion Ratio Lower Upper
99 100
42 44.2 16.6 24.8#
71 306.1 25.4 38.2#



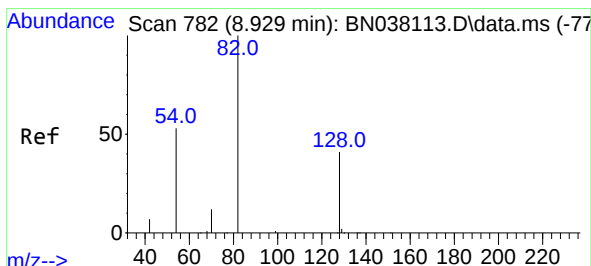
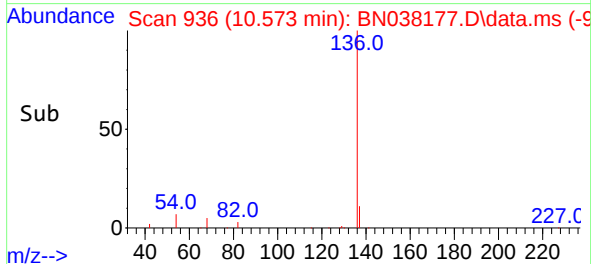
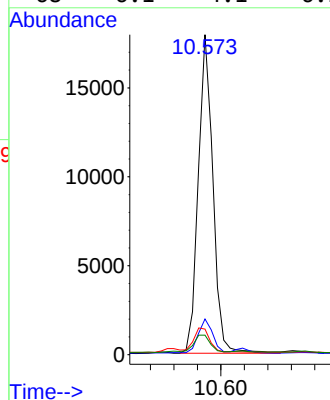
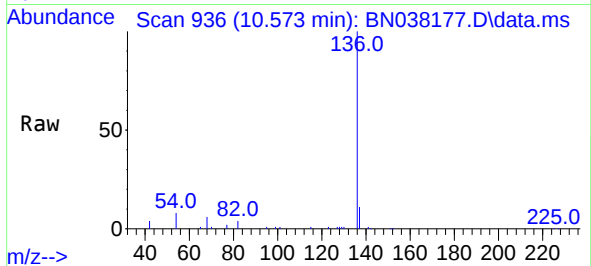


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Instrument :
BNA_N
ClientSampleId :
MW-4DL

Tgt Ion:136 Resp: 31248

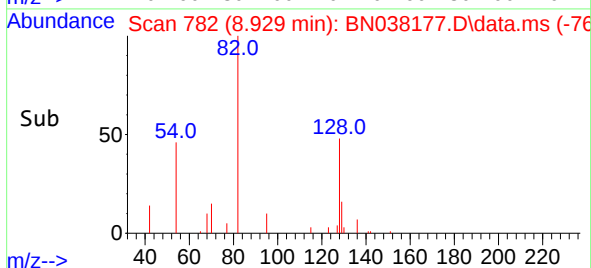
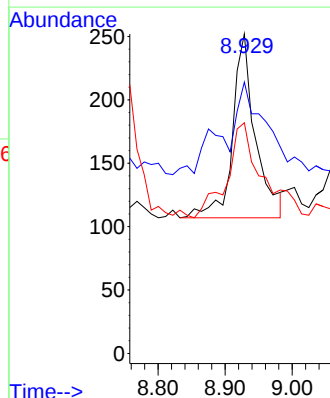
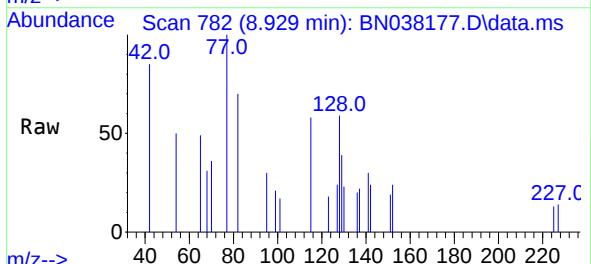
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	5.2	7.8#
68	6.1	4.1	6.1

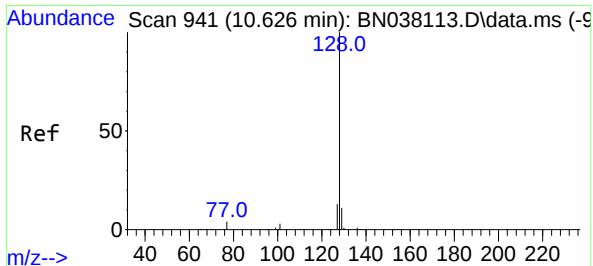


#8
Nitrobenzene-d5
Concen: 0.014 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion: 82 Resp: 343

Ion	Ratio	Lower	Upper
82	100		
128	84.9	34.1	51.1#
54	72.2	43.5	65.3#

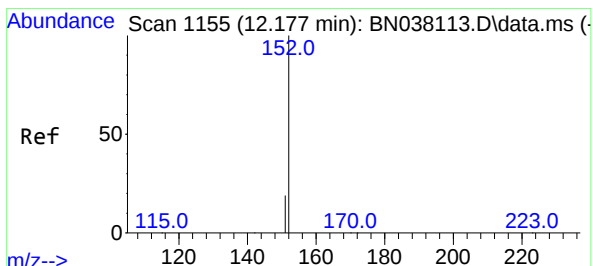
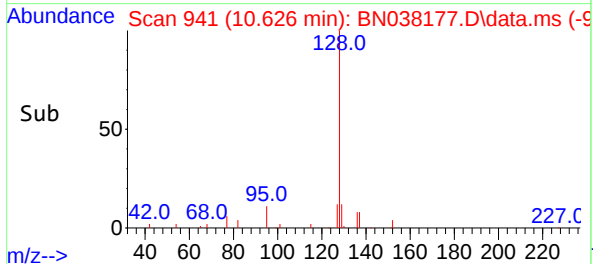
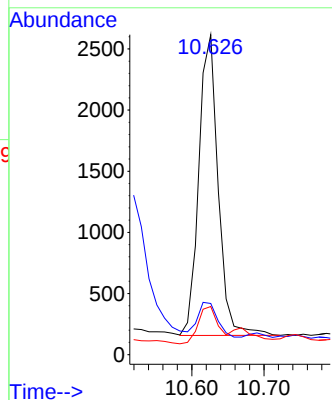
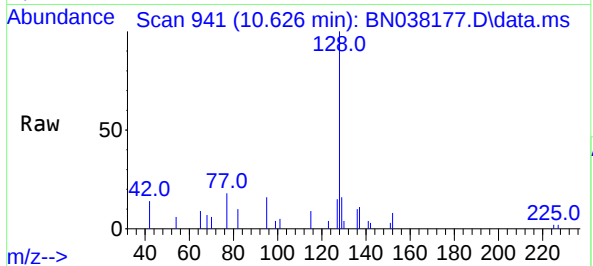




#9
Naphthalene
Concen: 0.053 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

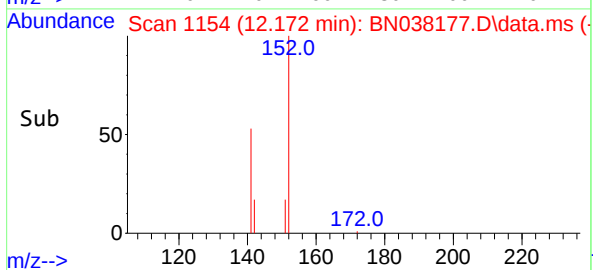
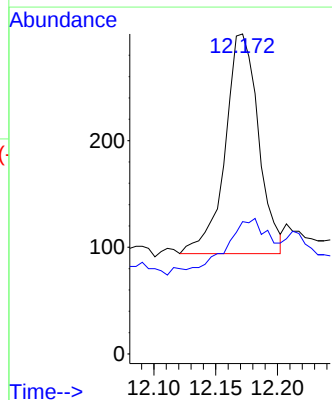
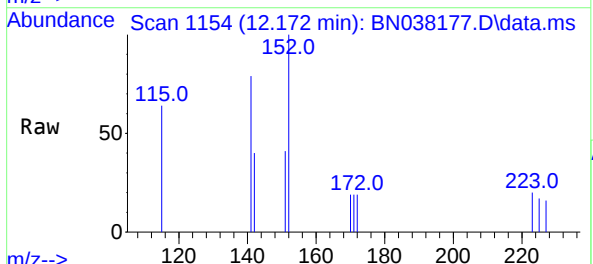
Instrument :
BNA_N
ClientSampleId :
MW-4DL

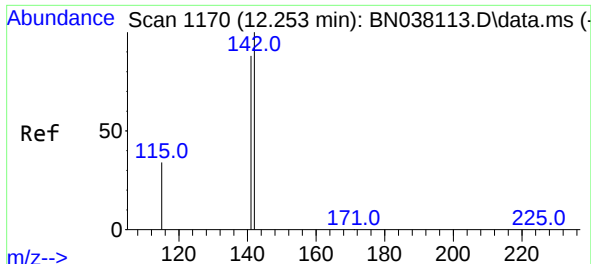
Tgt Ion:128 Resp: 4596
Ion Ratio Lower Upper
128 100
129 16.0 9.1 13.7#
127 15.0 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:152 Resp: 388
Ion Ratio Lower Upper
152 100
151 29.1 16.8 25.2#



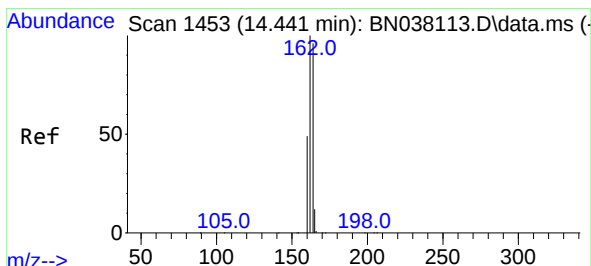
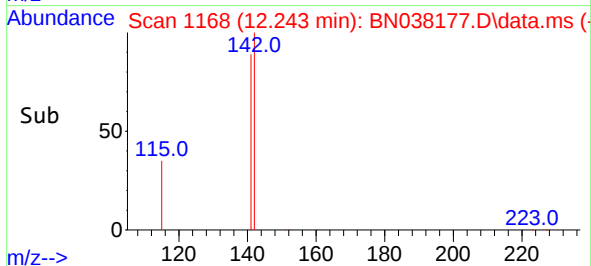
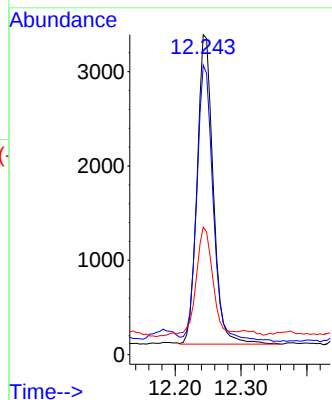
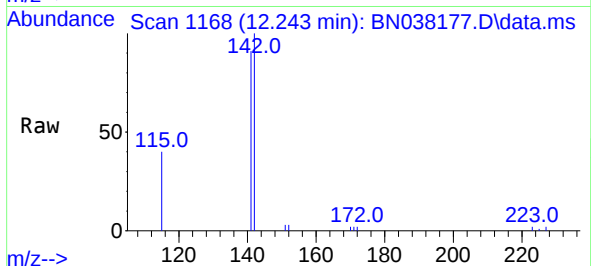


#12
2-Methylnaphthalene
Concen: 0.098 ng
RT: 12.243 min Scan# 1170
Delta R.T. -0.005 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Instrument :
BNA_N
ClientSampleId :
MW-4DL

Tgt Ion:142 Resp: 5608

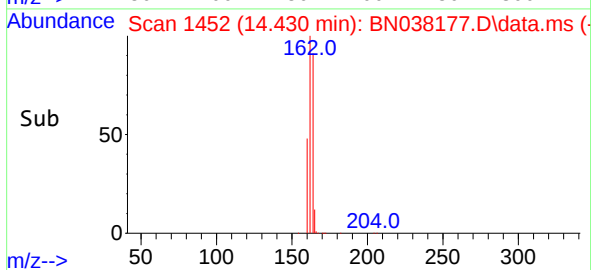
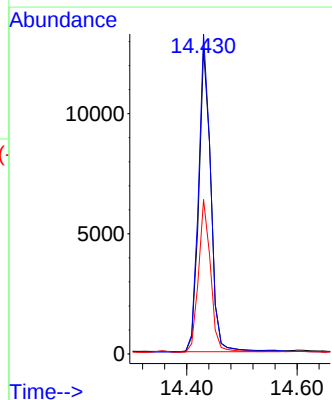
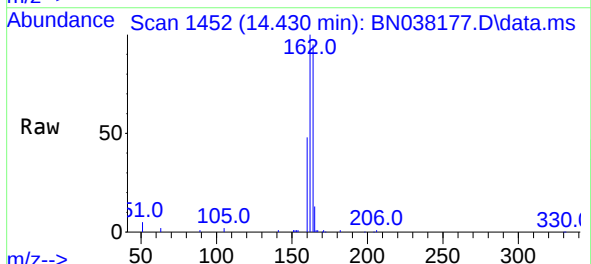
Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.3	105.5
115	39.9	27.8	41.6

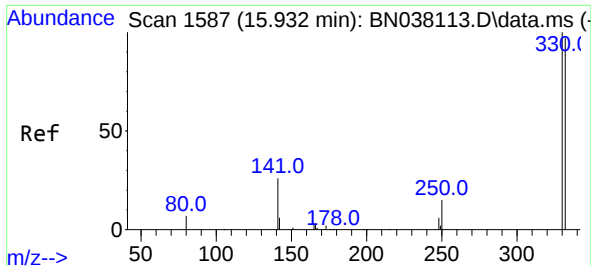


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:164 Resp: 19363

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.0	124.4
160	50.5	40.7	61.1

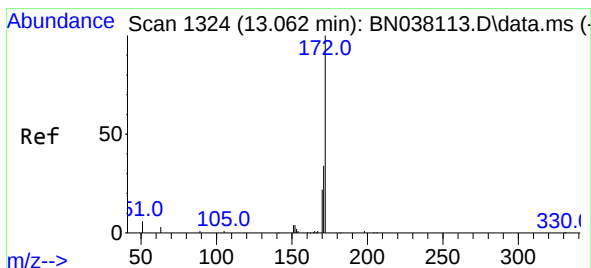
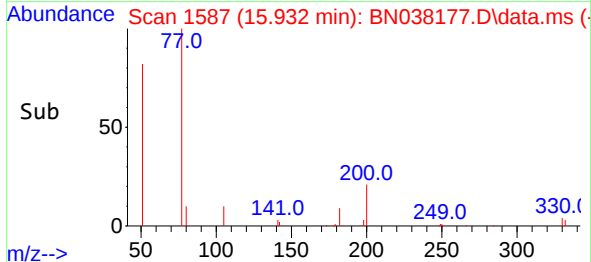
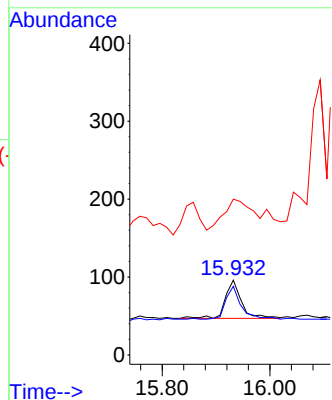
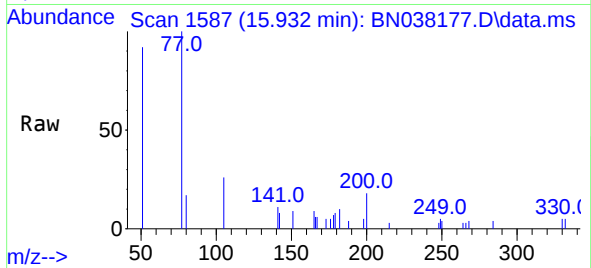




#14
2,4,6-Tribromophenol
Concen: 0.013 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

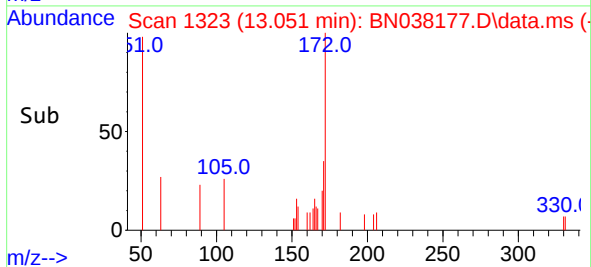
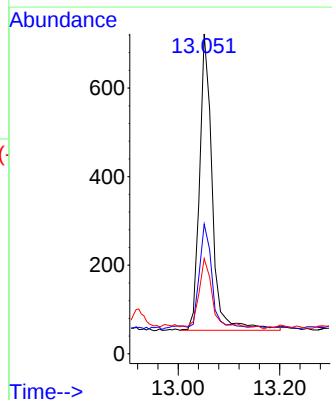
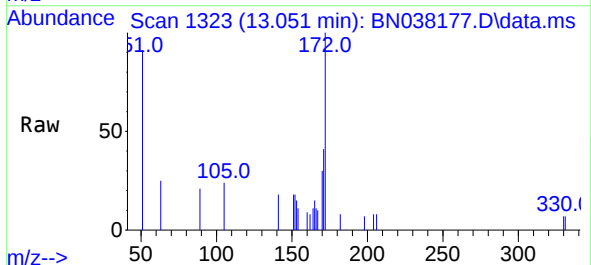
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ClientSampleId :
MW-4DL

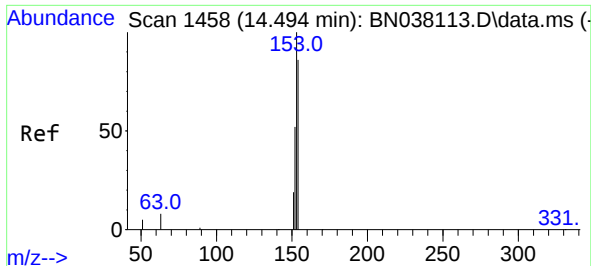
Tgt Ion:330 Resp: 102
Ion Ratio Lower Upper
330 100
332 88.2 76.6 114.8
141 183.3 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:172 Resp: 1132
Ion Ratio Lower Upper
172 100
171 40.6 27.8 41.6
170 29.8 18.1 27.1#

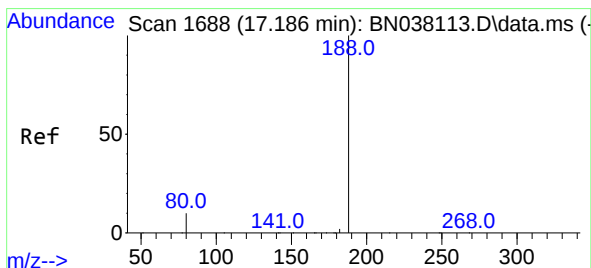
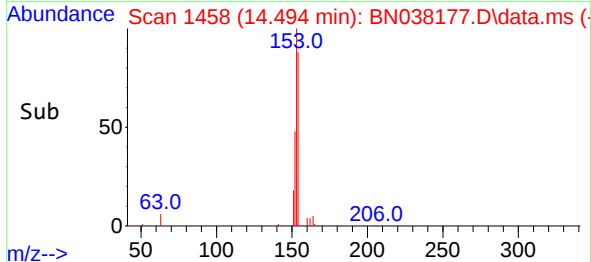
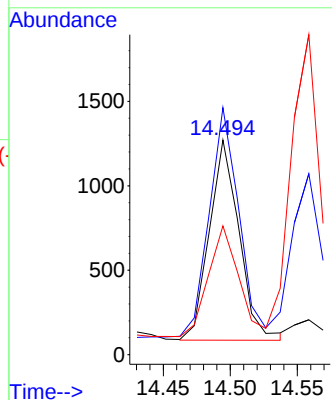
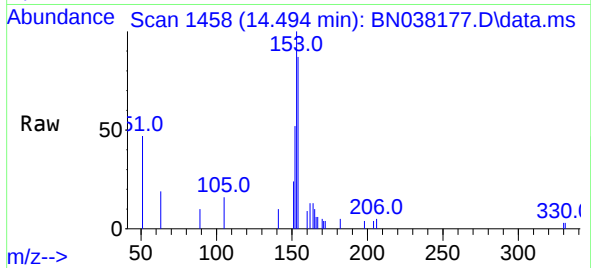




#17
Acenaphthene
Concen: 0.030 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

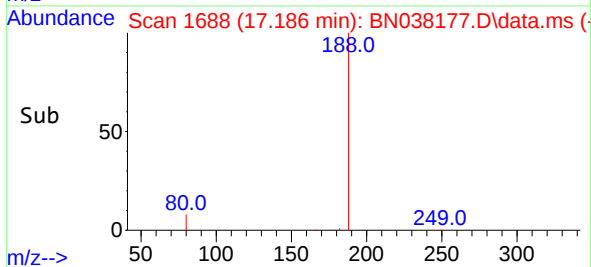
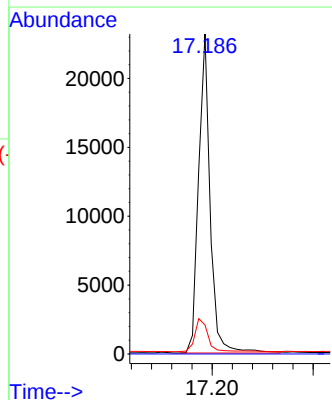
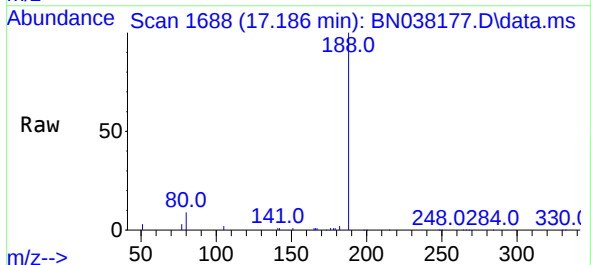
Instrument :
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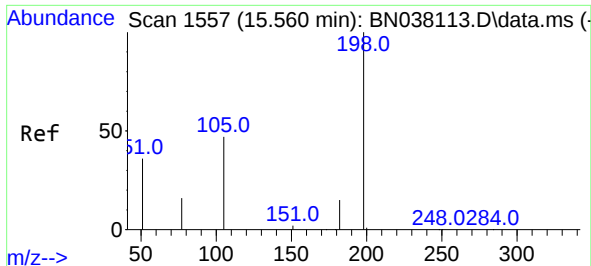
Tgt Ion:	154	Resp:	1832
Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.0	135.0
152	56.6	47.3	70.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:	188	Resp:	36917
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	8.6	13.0

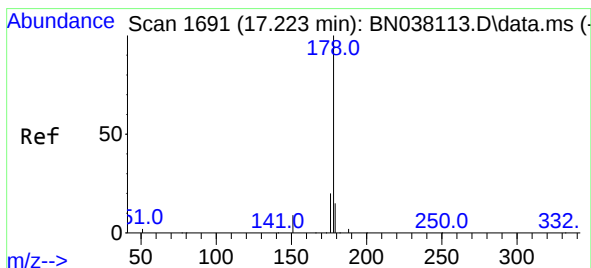
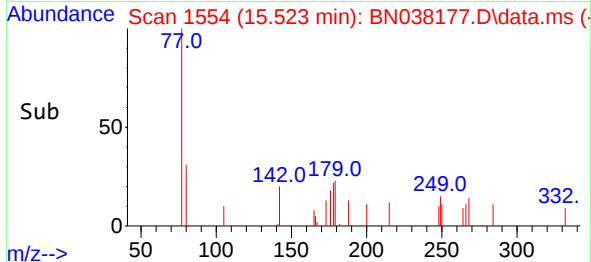
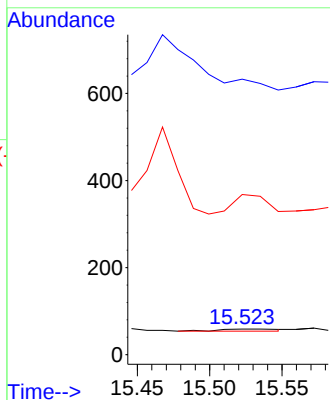
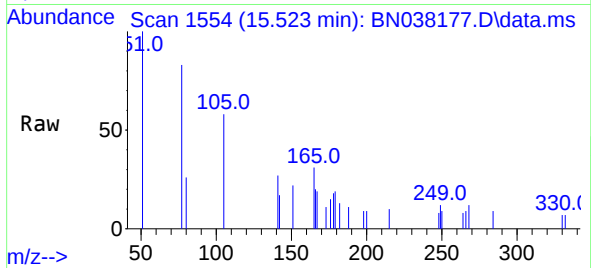




#20
4,6-Dinitro-2-methylphenol
Concen: 0.185 ng
RT: 15.523 min Scan# 1554
Delta R.T. -0.037 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

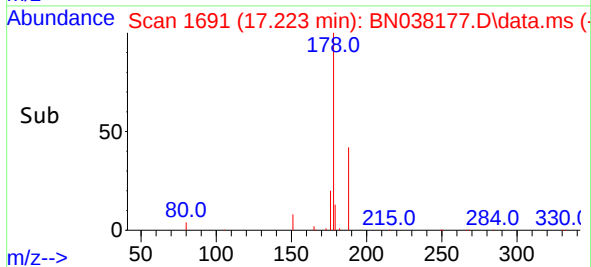
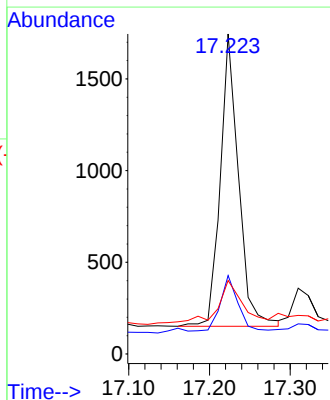
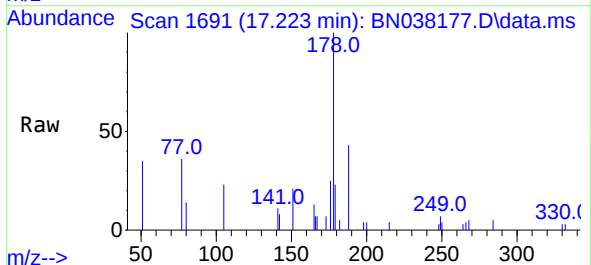
Instrument :
BNA_N
ClientSampleId :
MW-4DL

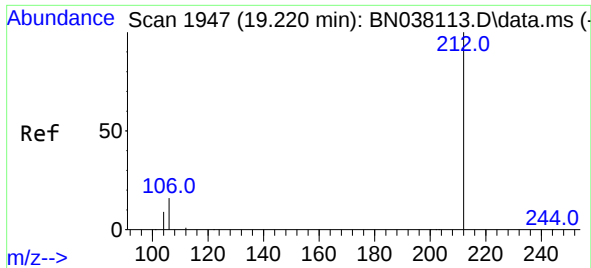
Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
51 1072.9 88.9 133.3#
105 623.7 49.2 73.8#



#25
Phenanthrene
Concen: 0.021 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:178 Resp: 2511
Ion Ratio Lower Upper
178 100
176 20.7 15.5 23.3
179 21.7 12.2 18.4#

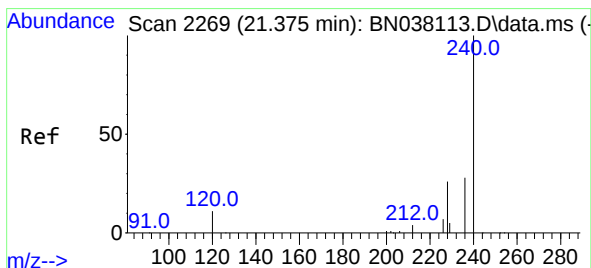
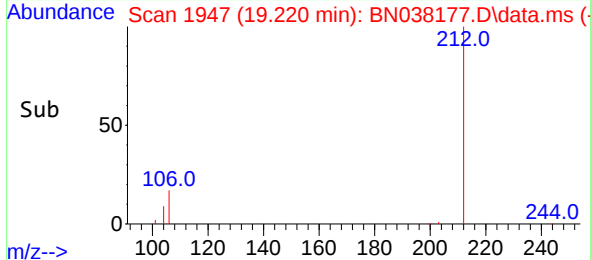
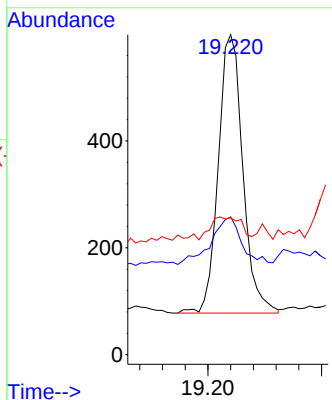
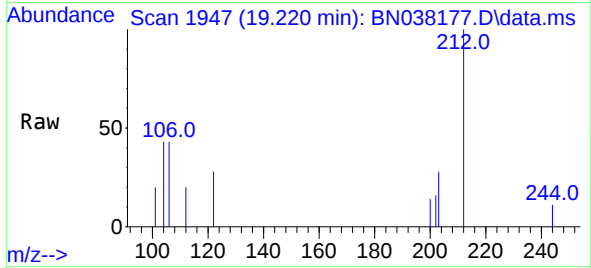




#27
Fluoranthene-d10
Concen: 0.008 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

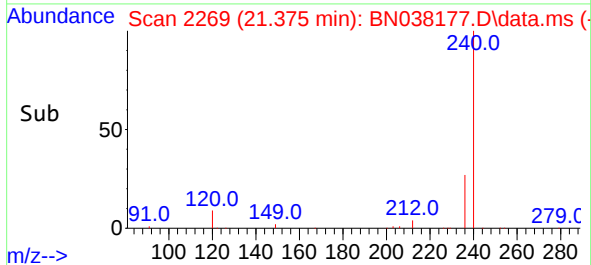
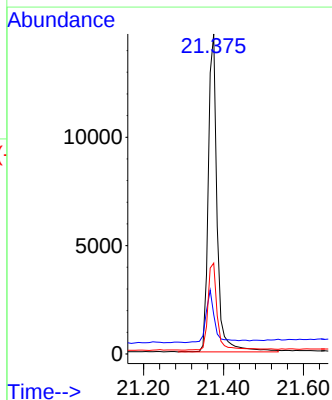
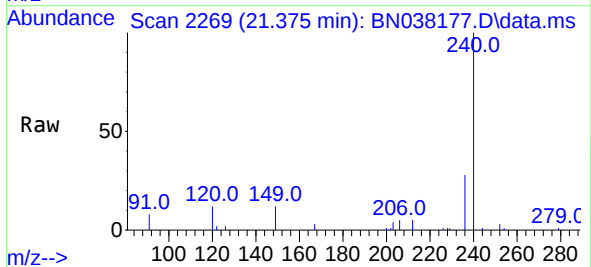
Instrument :
BNA_N
ClientSampleId :
MW-4DL

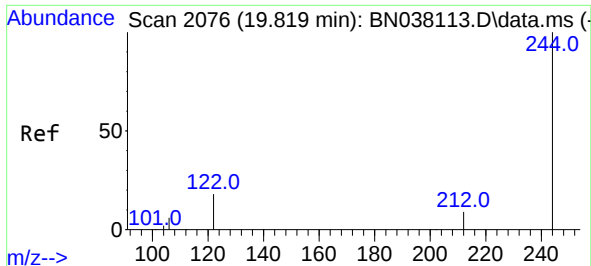
Tgt Ion:212 Resp: 780
Ion Ratio Lower Upper
212 100
106 21.2 12.6 19.0#
104 13.2 7.1 10.7#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:240 Resp: 22577
Ion Ratio Lower Upper
240 100
120 12.3 10.7 16.1
236 28.4 23.1 34.7

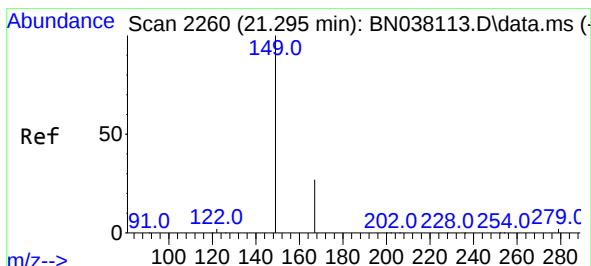
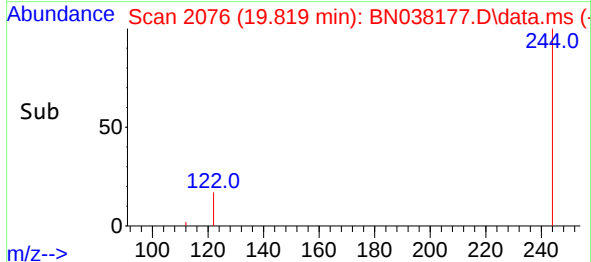
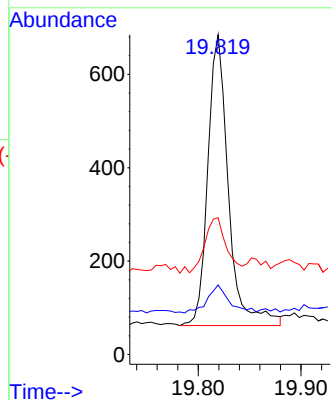
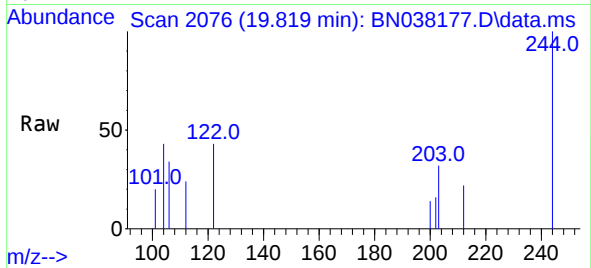




#31
 Terphenyl-d14
 Concen: 0.018 ng
 RT: 19.819 min Scan# 2076
 Delta R.T. -0.000 min
 Lab File: BN038177.D
 Acq: 10 Nov 2025 12:02

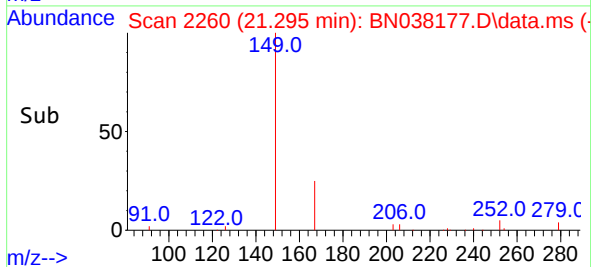
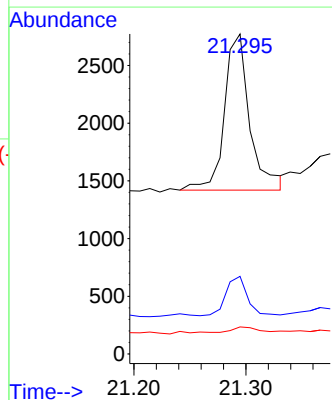
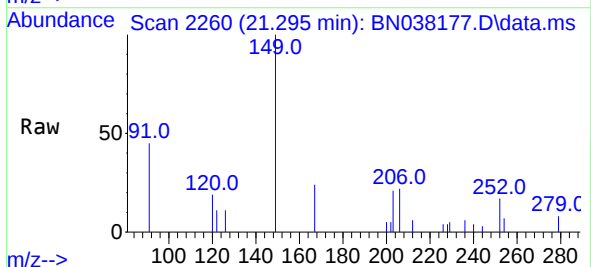
Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

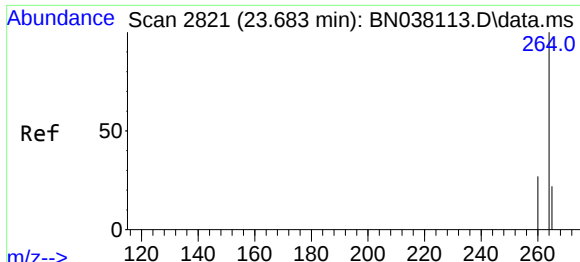
Tgt Ion:244 Resp: 867
 Ion Ratio Lower Upper
 244 100
 212 21.8 7.8 11.6#
 122 42.8 15.2 22.8#



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.050 ng
 RT: 21.295 min Scan# 2260
 Delta R.T. -0.000 min
 Lab File: BN038177.D
 Acq: 10 Nov 2025 12:02

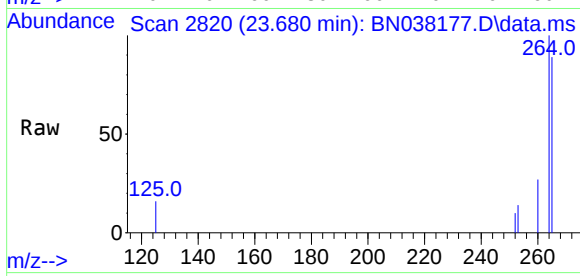
Tgt Ion:149 Resp: 2134
 Ion Ratio Lower Upper
 149 100
 167 21.3 21.1 31.7
 279 3.2 2.9 4.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Instrument :
BNA_N
ClientSampleId :
MW-4DL



Tgt Ion:264 Resp: 19722

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	88.9	68.6	102.8

