

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038176.D
 Acq On : 10 Nov 2025 11:26
 Operator : RC/JU
 Sample : Q3534-05DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-1DL

Quant Time: Nov 10 11:53:56 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)

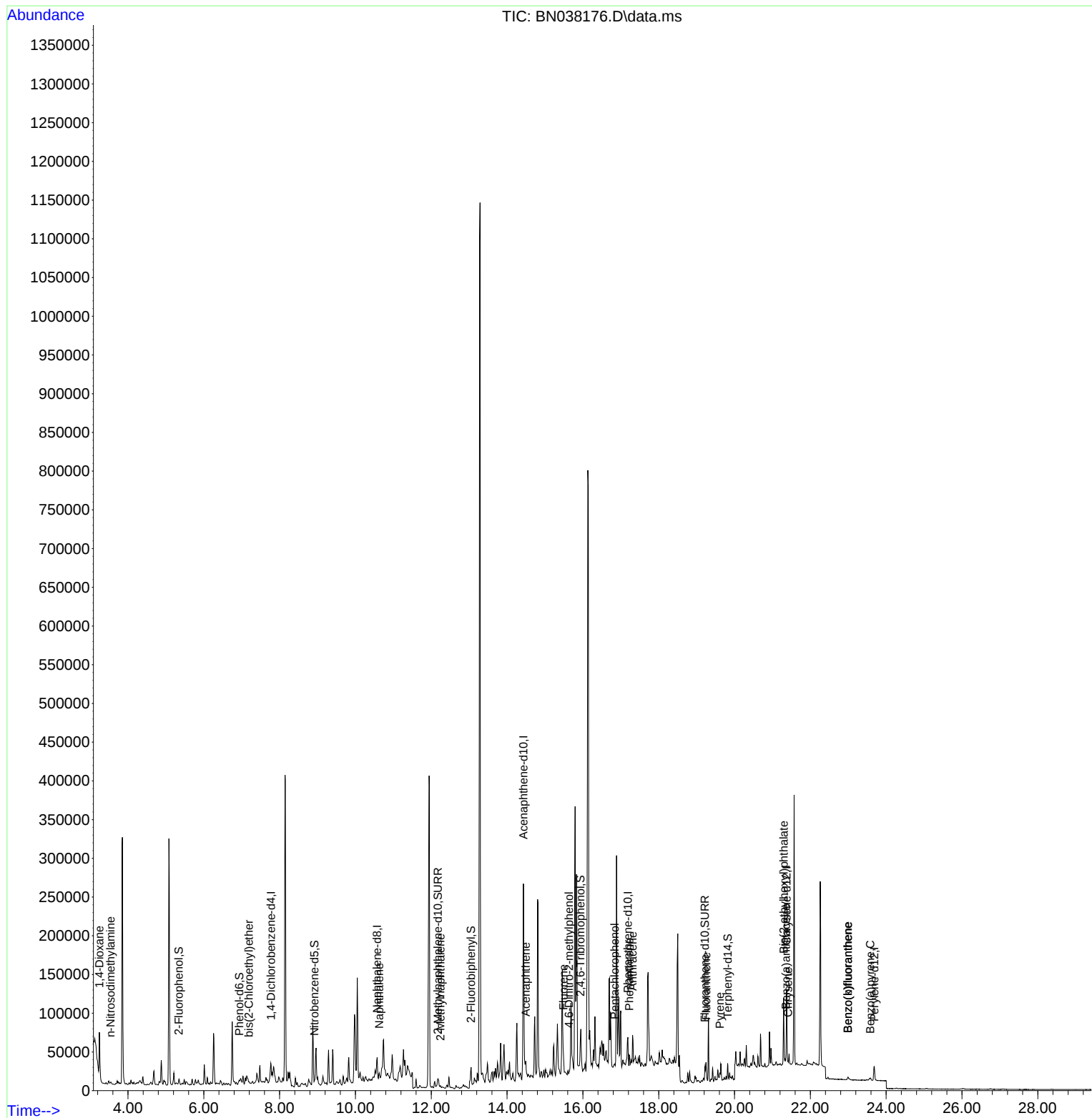
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9993	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33147	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	39685	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	43630	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	31483	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	25895	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	3513	0.149	ng	0.00
5) Phenol-d6	6.937	99	2646	0.092	ng	0.00
8) Nitrobenzene-d5	8.918	82	5197	0.194	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	9040	0.191	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2560	0.157	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	16824	0.106	ng	0.00
27) Fluoranthene-d10	19.220	212	22271	0.202	ng	0.00
31) Terphenyl-d14	19.819	244	18892	0.276	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	34359	3.328	ng	# 62
3) n-Nitrosodimethylamine	3.543	42	1758	0.132	ng	# 1
6) bis(2-Chloroethyl)ether	7.190	93	682	0.024	ng	# 36
9) Naphthalene	10.626	128	5986	0.066	ng	# 63
12) 2-Methylnaphthalene	12.243	142	2557	0.042	ng	# 79
17) Acenaphthene	14.494	154	8783	0.070	ng	# 93
18) Fluorene	15.489	166	12858	0.078	ng	# 61
20) 4,6-Dinitro-2-methylph...	15.634	198	35	0.188	ng	# 1
24) Pentachlorophenol	16.838	266	349	0.025	ng	94
25) Phenanthrene	17.223	178	6676	0.048	ng	# 81
26) Anthracene	17.310	178	6917	0.057	ng	# 1
28) Fluoranthene	19.253	202	8756	0.057	ng	# 72
30) Pyrene	19.615	202	8875	0.062	ng	# 83
32) Benzo(a)anthracene	21.357	228	3961	0.035	ng	# 61
33) Chrysene	21.411	228	3427	0.028	ng	# 55
34) Bis(2-ethylhexyl)phtha...	21.295	149	80278	1.357	ng	96
37) Benzo(b)fluoranthene	22.990	252	3113	0.028	ng	# 1
38) Benzo(k)fluoranthene	22.990	252	3113	0.028	ng	# 1
39) Benzo(a)pyrene	23.584	252	2549	0.029	ng	# 1

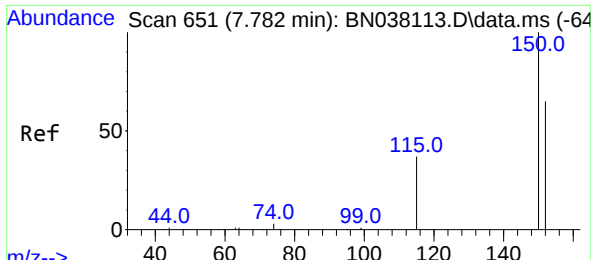
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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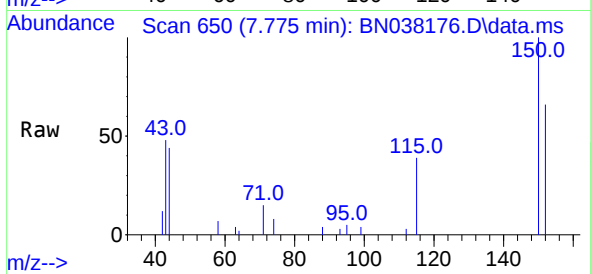
Quant Time: Nov 10 11:53:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
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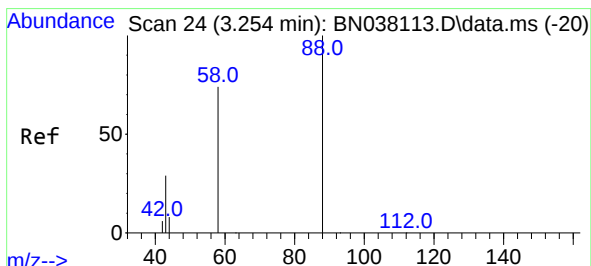
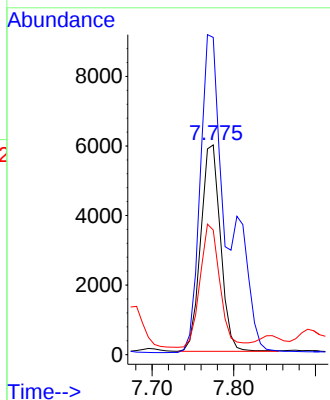
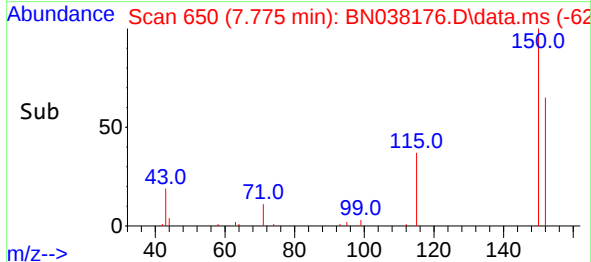


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

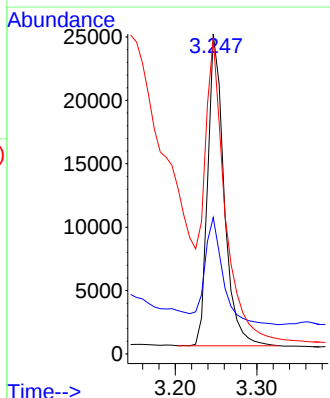
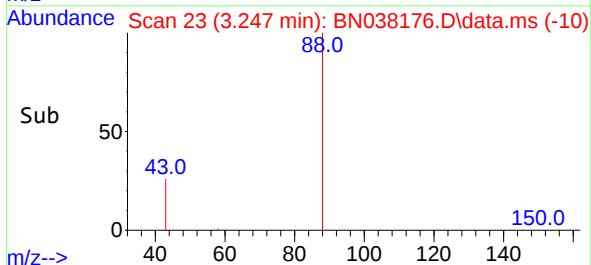
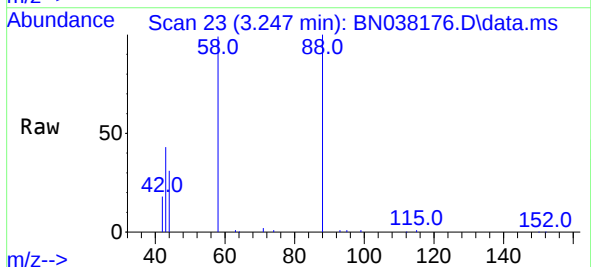


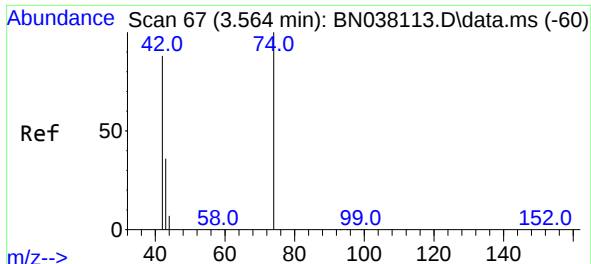
Tgt Ion:152 Resp: 9993
Ion Ratio Lower Upper
152 100
150 151.2 122.3 183.5
115 59.4 47.4 71.0



#2
1,4-Dioxane
Concen: 3.328 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion: 88 Resp: 34359
Ion Ratio Lower Upper
88 100
43 38.6 24.3 36.5#
58 116.4 60.4 90.6#

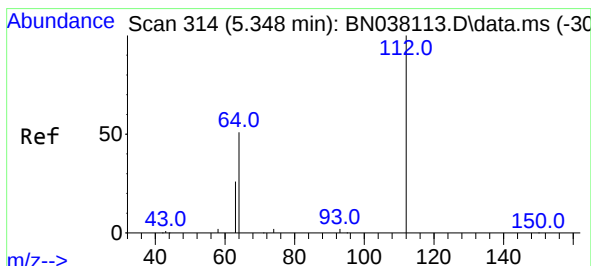
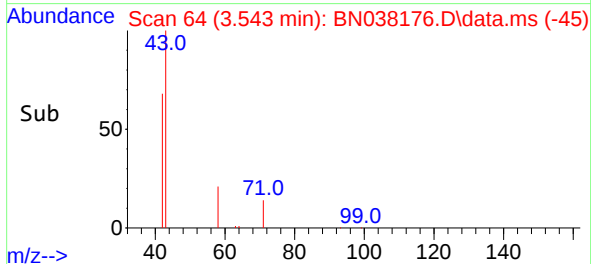
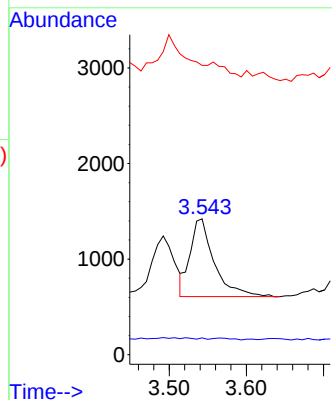
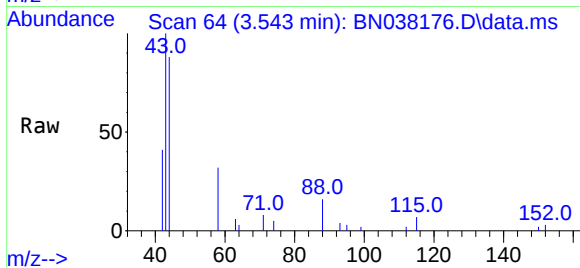




#3
n-Nitrosodimethylamine
Concen: 0.132 ng
RT: 3.543 min Scan# 64
Delta R.T. -0.014 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

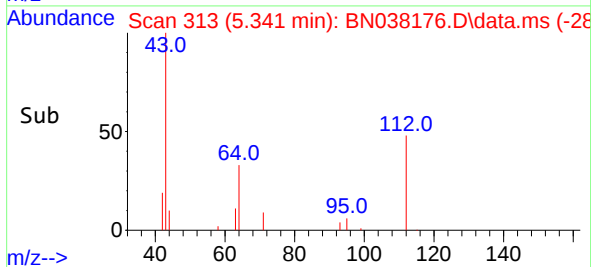
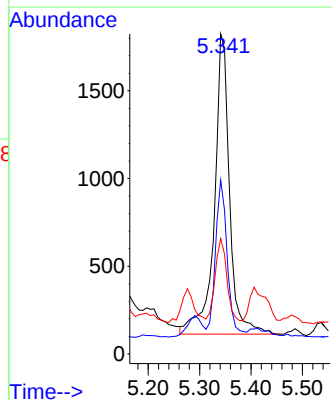
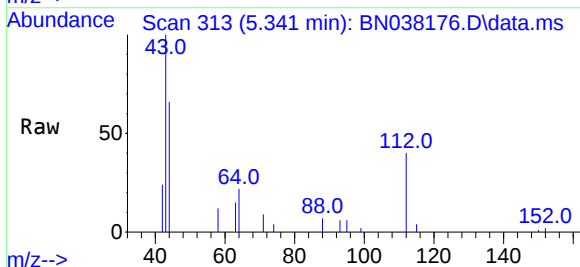
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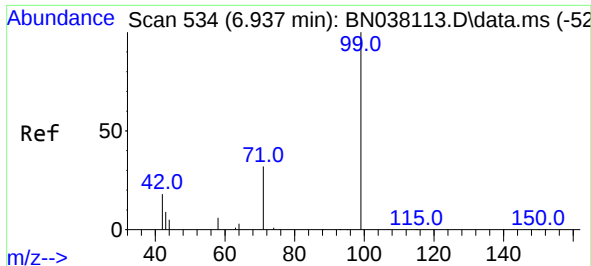
Tgt Ion: 42 Resp: 1758
Ion Ratio Lower Upper
42 100
74 0.0 96.8 145.2#
44 0.0 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.149 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.007 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion: 112 Resp: 3513
Ion Ratio Lower Upper
112 100
64 40.0 45.4 68.0#
63 21.9 23.2 34.8#

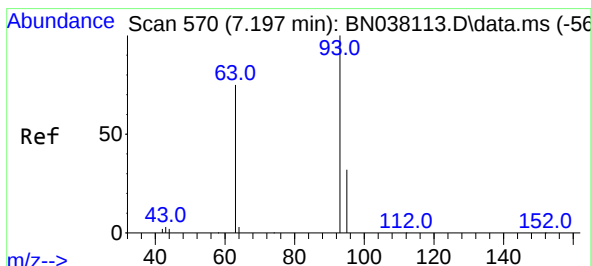
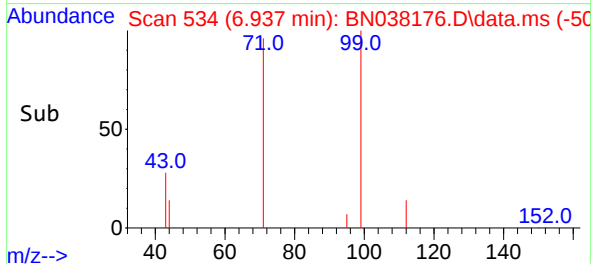
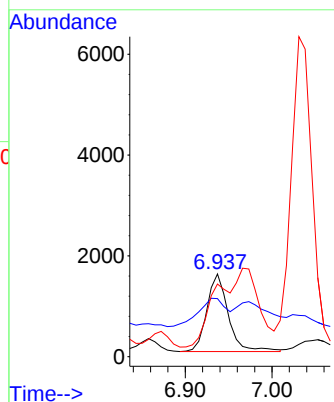
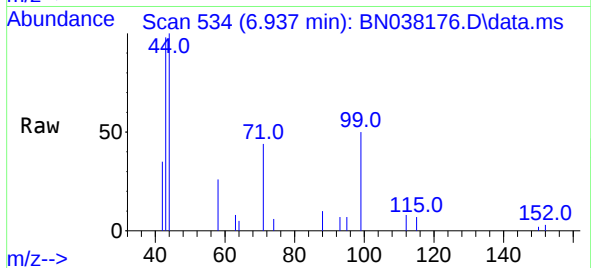




#5
Phenol-d6
Concen: 0.092 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

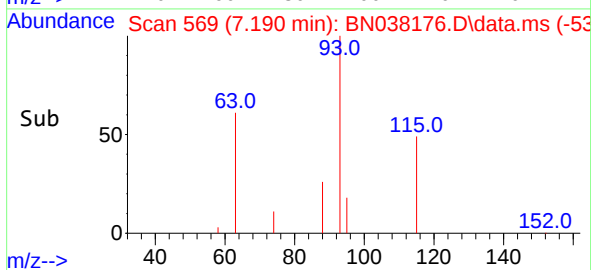
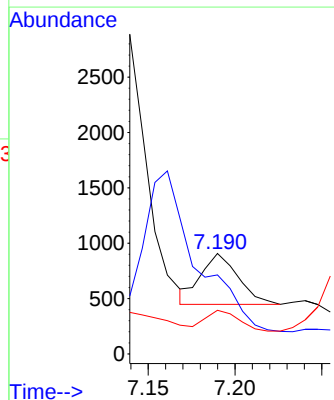
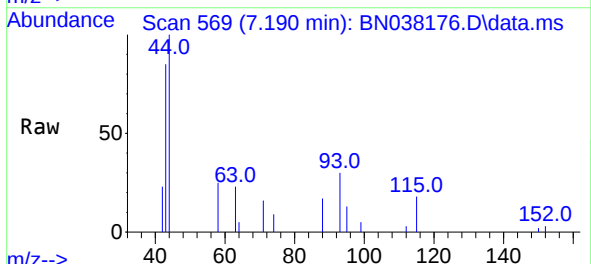
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

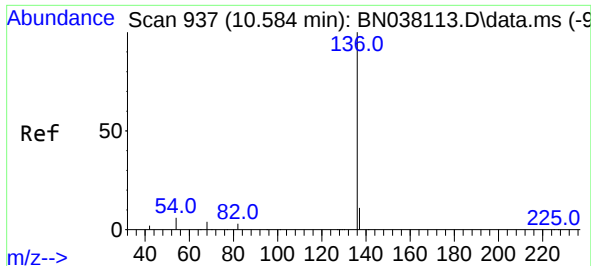
Tgt Ion: 99 Resp: 2646
Ion Ratio Lower Upper
99 100
42 47.3 16.6 24.8#
71 86.1 25.4 38.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion: 93 Resp: 682
Ion Ratio Lower Upper
93 100
63 0.0 59.3 88.9#
95 35.6 25.2 37.8

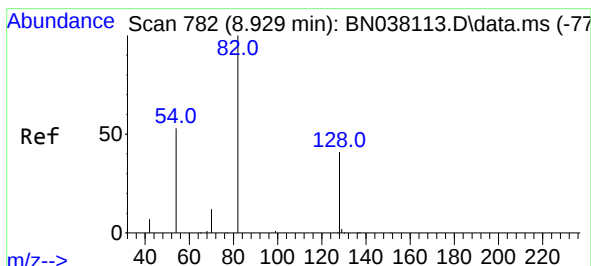
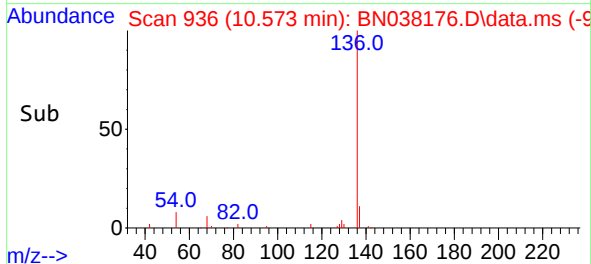
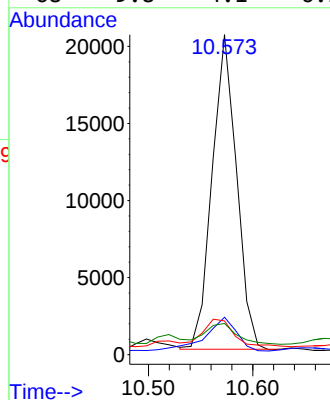
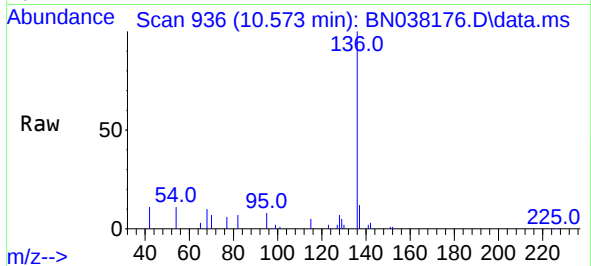




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

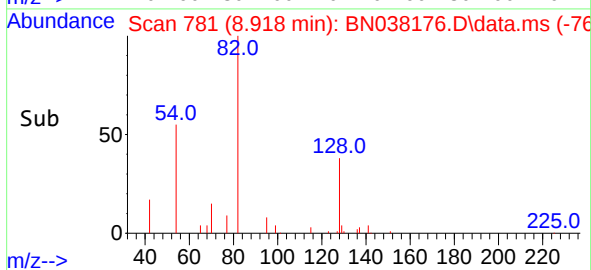
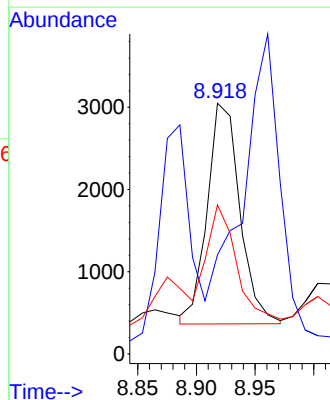
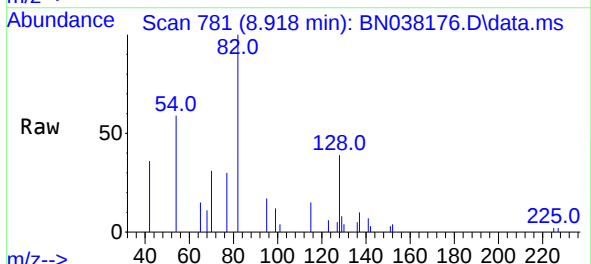
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

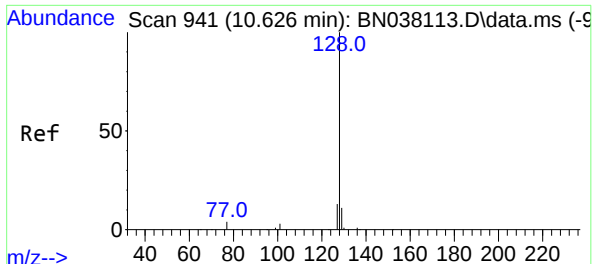
Tgt Ion:	136	Resp:	33147
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.0	13.4
54	10.6	5.2	7.8#
68	9.8	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.194 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:	82	Resp:	5197
Ion Ratio	Lower	Upper	
82	100		
128	39.5	34.1	51.1
54	59.5	43.5	65.3

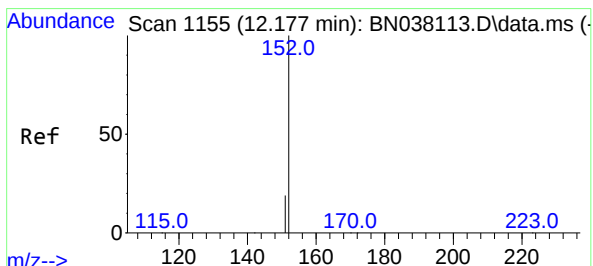
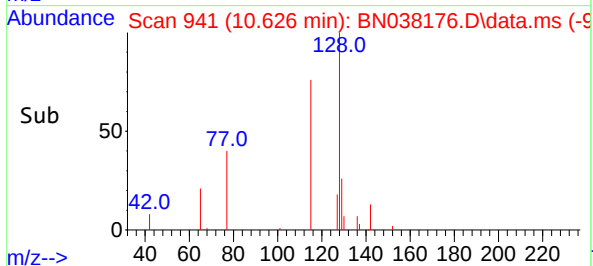
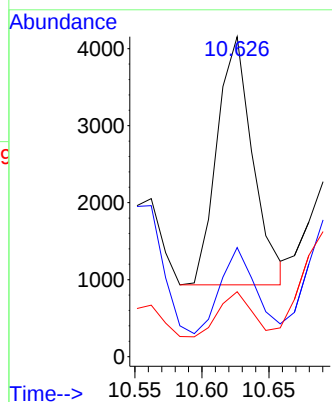
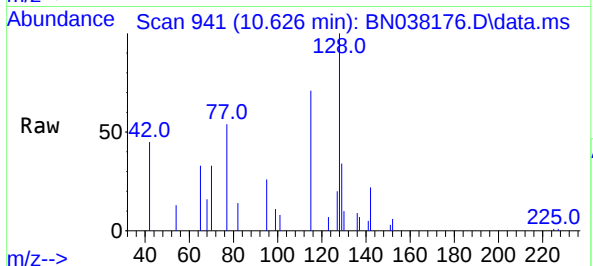




#9
Naphthalene
Concen: 0.066 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

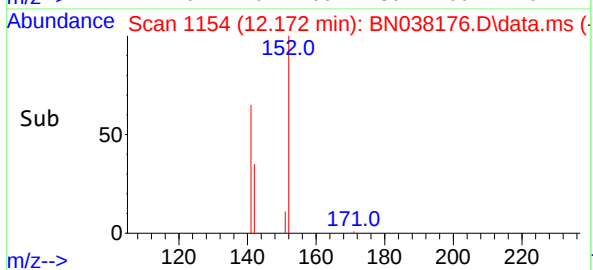
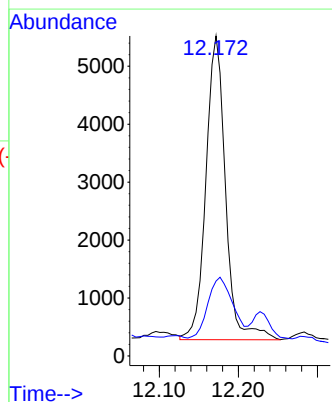
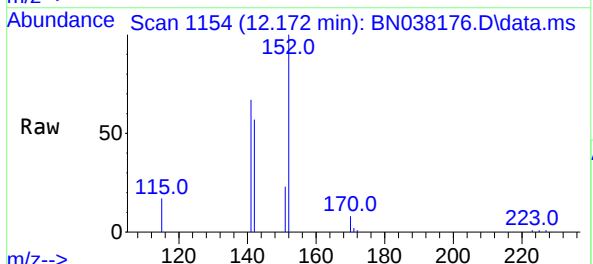
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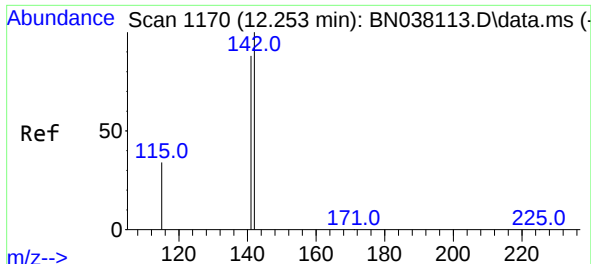
Tgt Ion:128 Resp: 5986
Ion Ratio Lower Upper
128 100
129 34.1 9.1 13.7#
127 20.3 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.191 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:152 Resp: 9040
Ion Ratio Lower Upper
152 100
151 25.8 16.8 25.2#

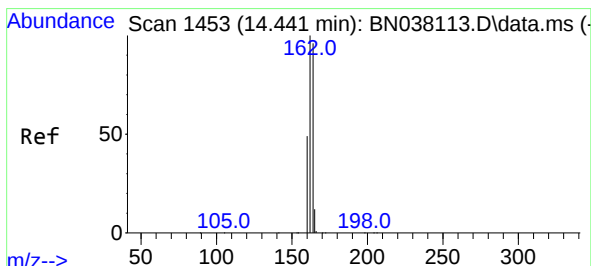
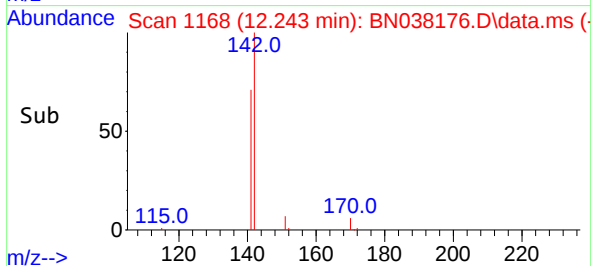
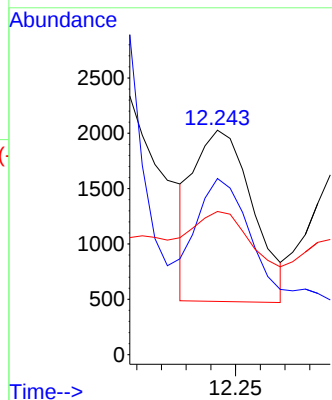
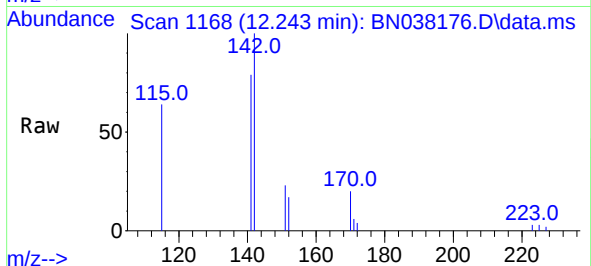




#12
2-Methylnaphthalene
Concen: 0.042 ng
RT: 12.243 min Scan# 1170
Delta R.T. -0.005 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

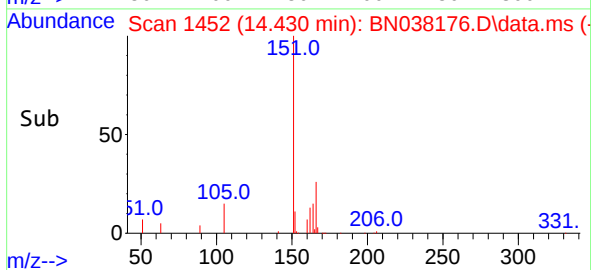
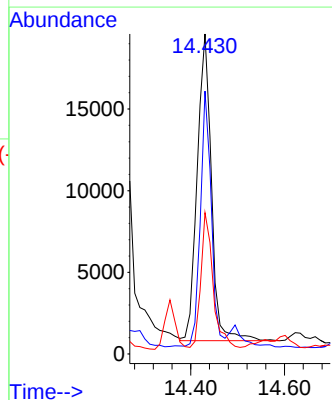
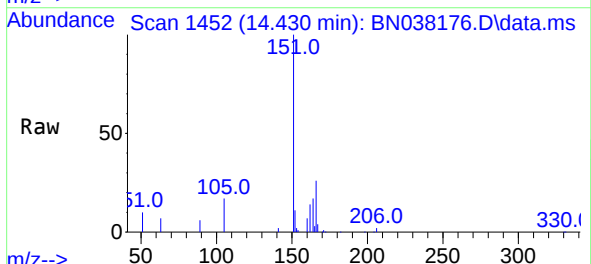
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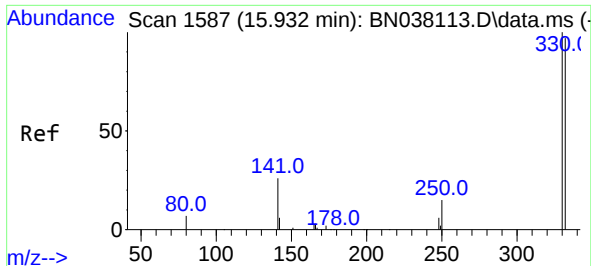
Tgt Ion:142 Resp: 2557
Ion Ratio Lower Upper
142 100
141 78.5 70.3 105.5
115 63.8 27.8 41.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:164 Resp: 39685
Ion Ratio Lower Upper
164 100
162 82.1 83.0 124.4#
160 44.1 40.7 61.1

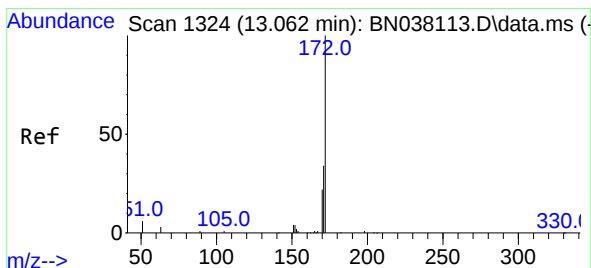
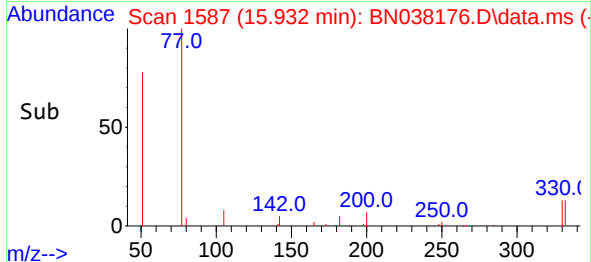
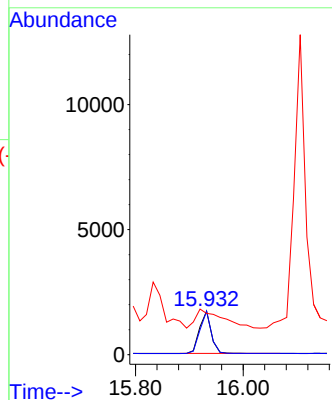
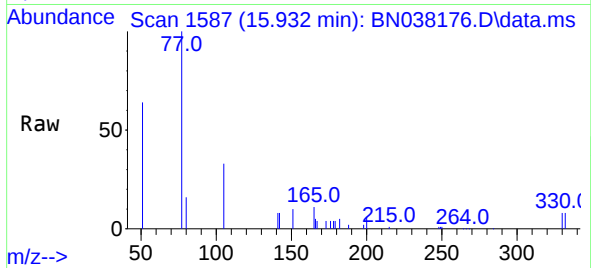




#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

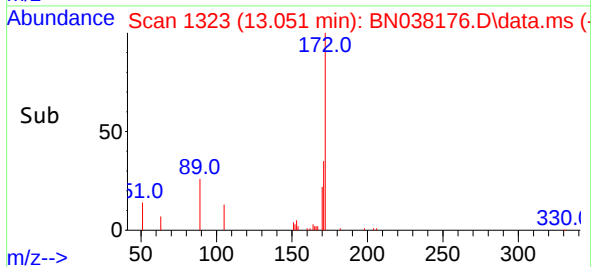
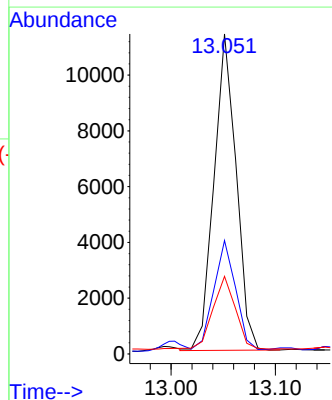
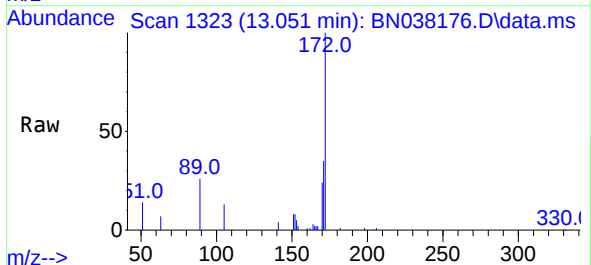
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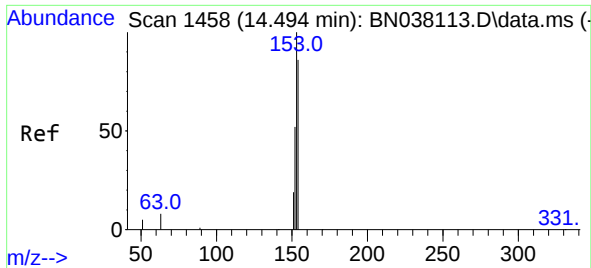
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Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 100.4 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.106 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:172 Resp: 16824
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 24.2 18.1 27.1

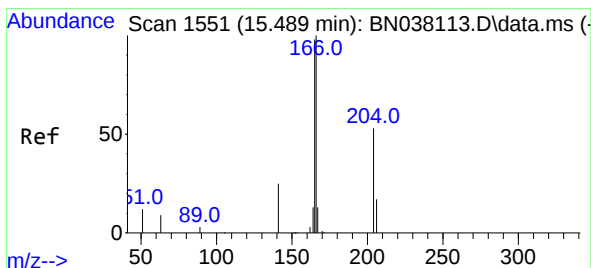
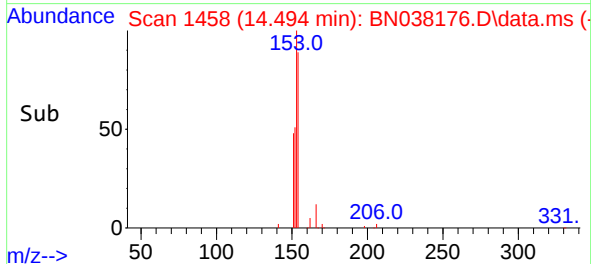
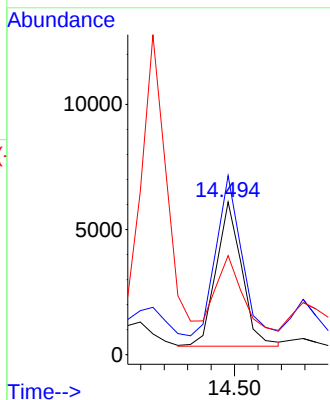
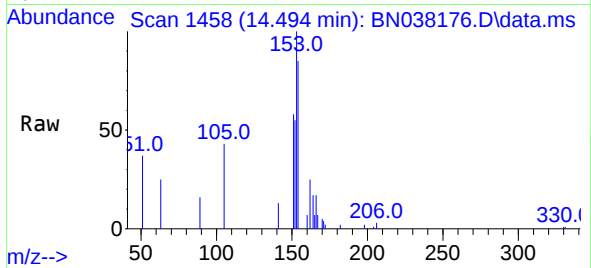




#17
Acenaphthene
Concen: 0.070 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

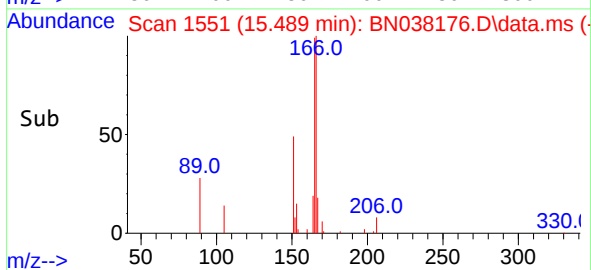
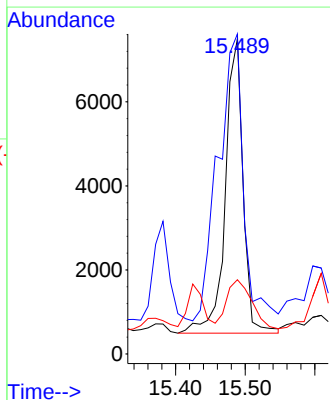
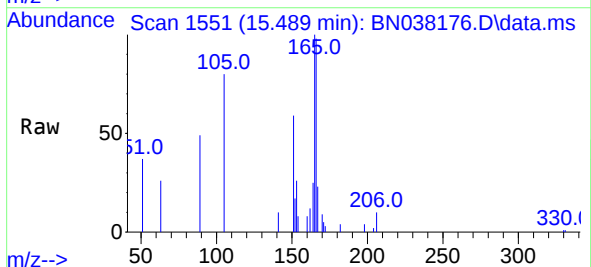
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

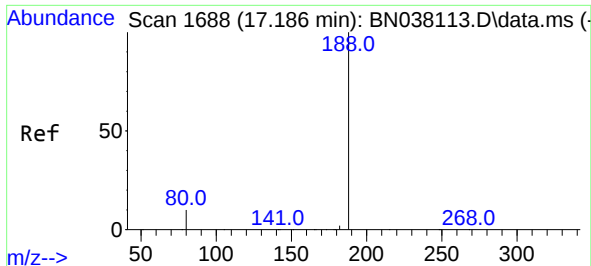
Tgt Ion:154 Resp: 8783
Ion Ratio Lower Upper
154 100
153 110.4 90.0 135.0
152 71.3 47.3 70.9#



#18
Fluorene
Concen: 0.078 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:166 Resp: 12858
Ion Ratio Lower Upper
166 100
165 138.9 79.0 118.4#
167 23.2 10.7 16.1#

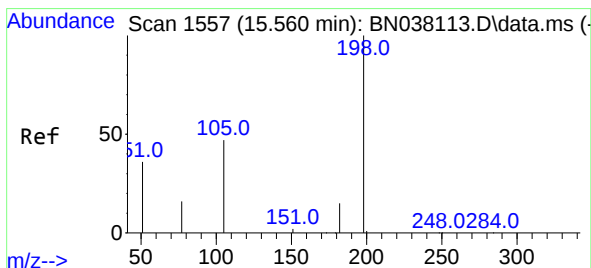
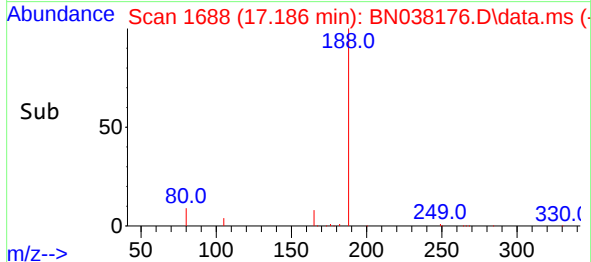
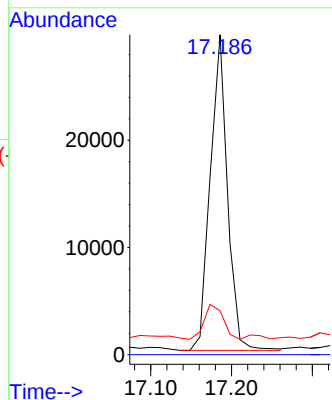
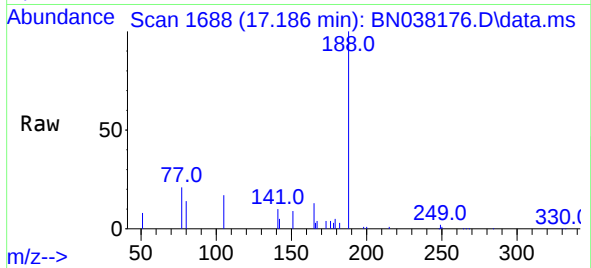




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

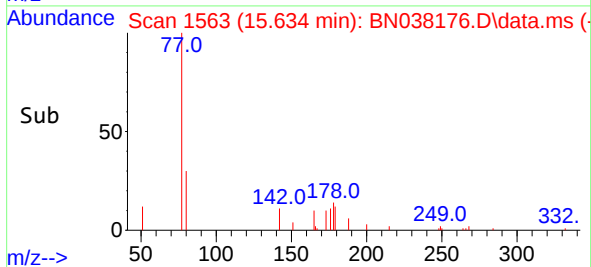
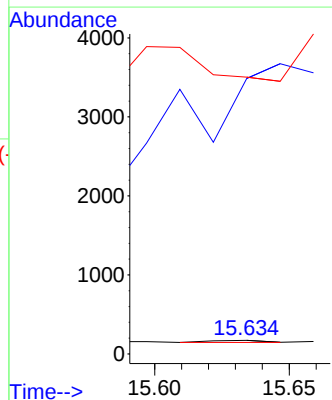
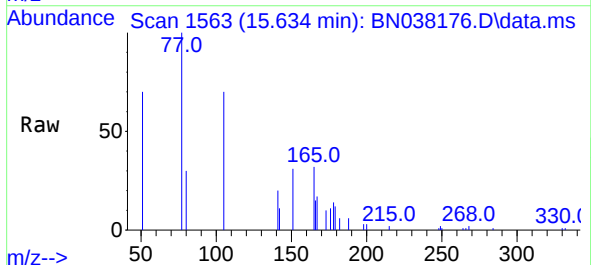
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

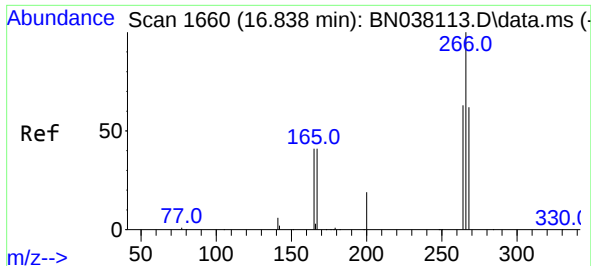
Tgt Ion:188 Resp: 43630
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.7 8.6 13.0#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.188 ng
RT: 15.634 min Scan# 1563
Delta R.T. 0.074 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:198 Resp: 35
Ion Ratio Lower Upper
198 100
51 2027.9 88.9 133.3#
105 2037.2 49.2 73.8#

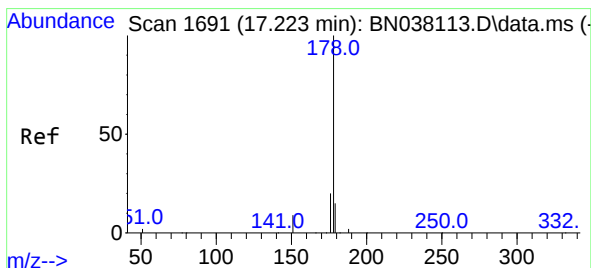
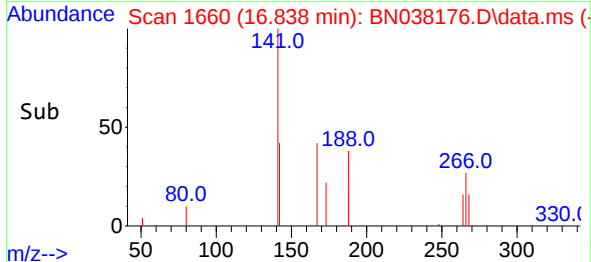
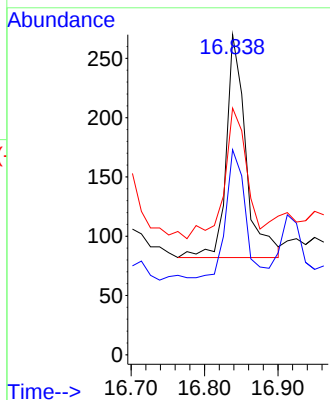
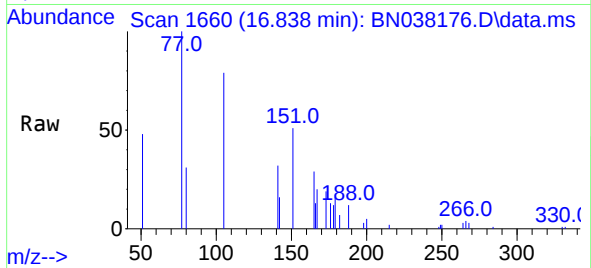




#24
Pentachlorophenol
Concen: 0.025 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

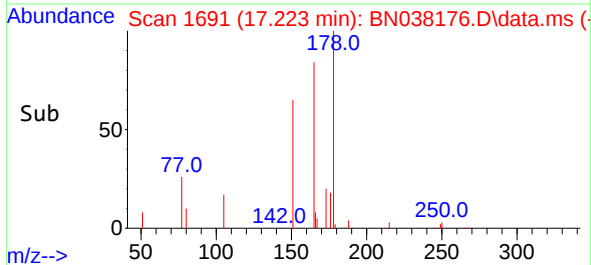
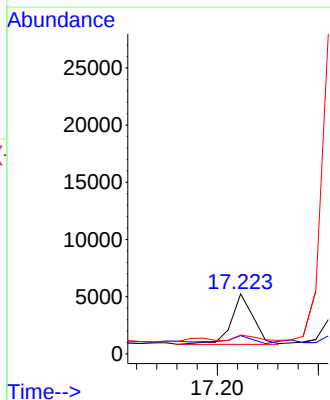
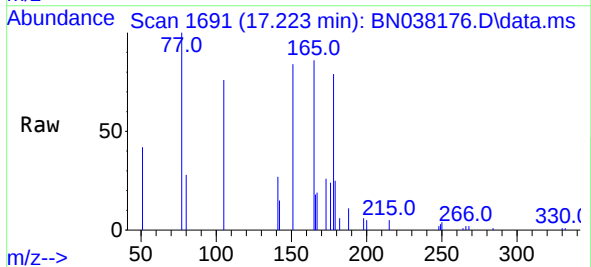
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

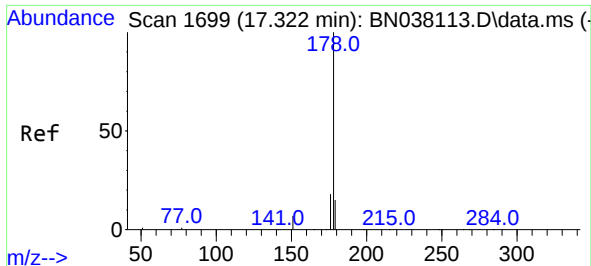
Tgt Ion:266 Resp: 349
Ion Ratio Lower Upper
266 100
264 57.9 49.3 73.9
268 68.8 50.6 75.8



#25
Phenanthrene
Concen: 0.048 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:178 Resp: 6676
Ion Ratio Lower Upper
178 100
176 16.9 15.5 23.3
179 0.0 12.2 18.4#

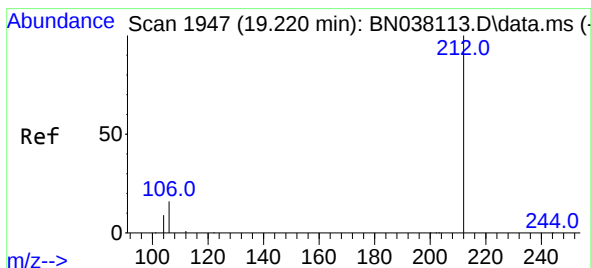
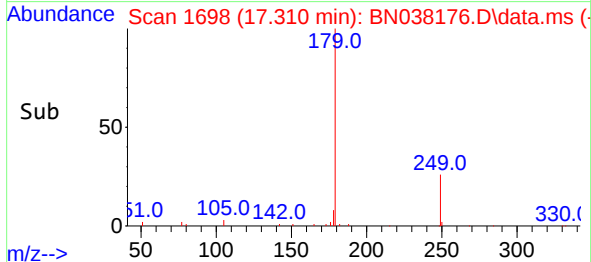
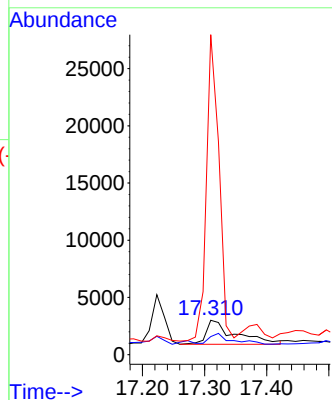
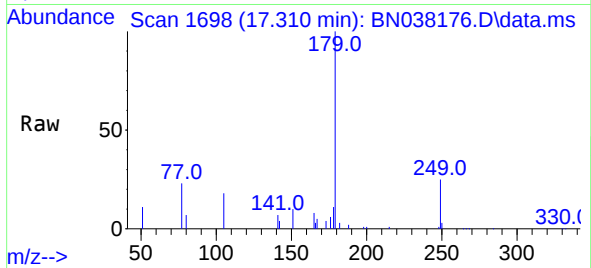




#26
Anthracene
Concen: 0.057 ng
RT: 17.310 min Scan# 1698
Delta R.T. -0.012 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

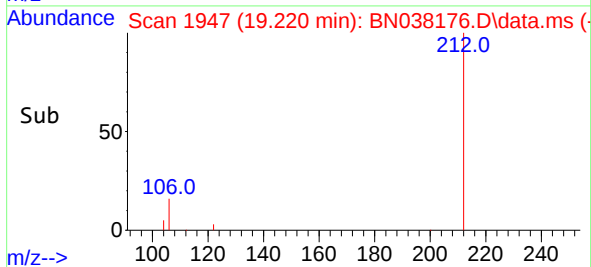
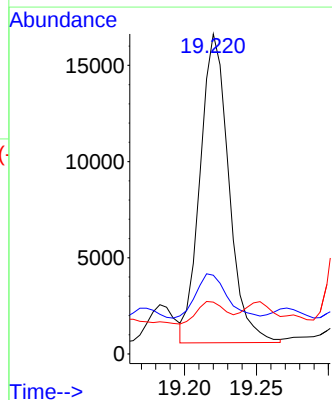
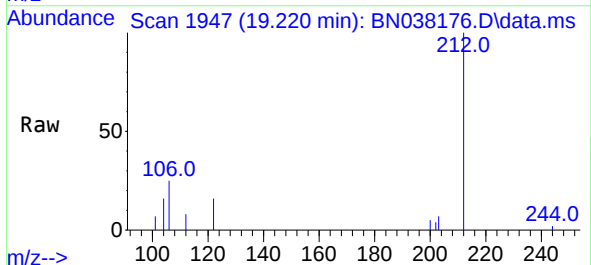
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

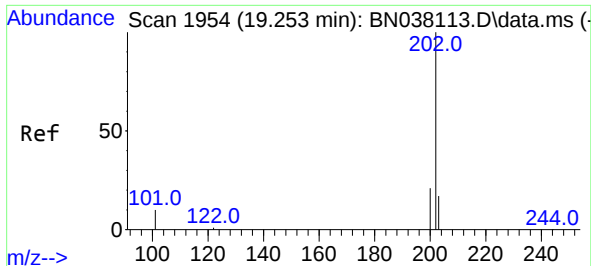
Tgt Ion:178 Resp: 6917
Ion Ratio Lower Upper
178 100
176 32.2 14.9 22.3#
179 544.4 11.8 17.8#



#27
Fluoranthene-d10
Concen: 0.202 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

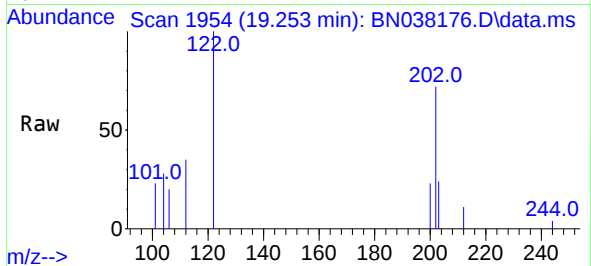
Tgt Ion:212 Resp: 22271
Ion Ratio Lower Upper
212 100
106 19.1 12.6 19.0#
104 7.9 7.1 10.7



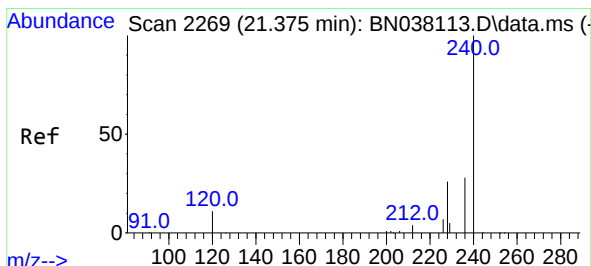
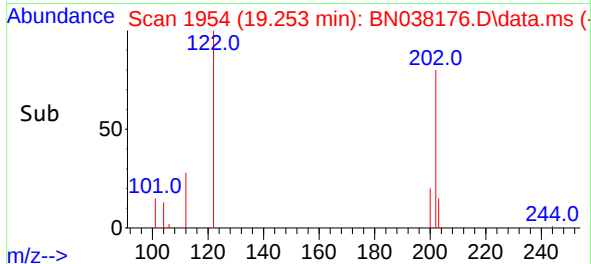
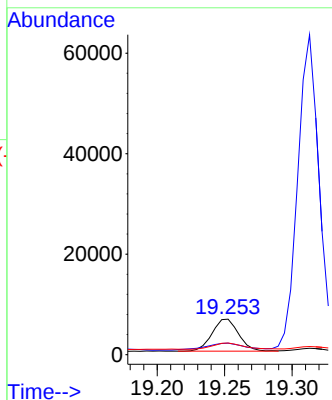


#28
Fluoranthene
Concen: 0.057 ng
RT: 19.253 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

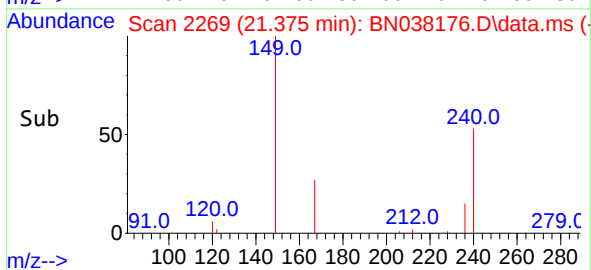
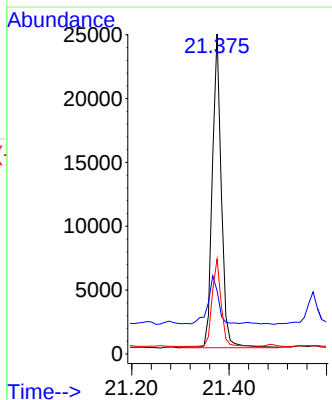
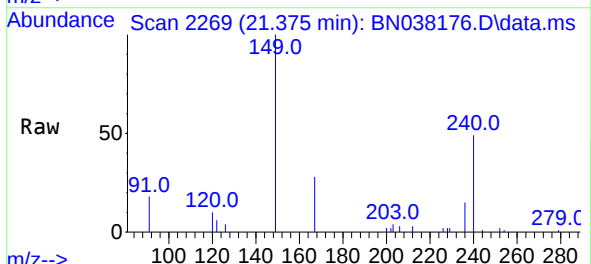


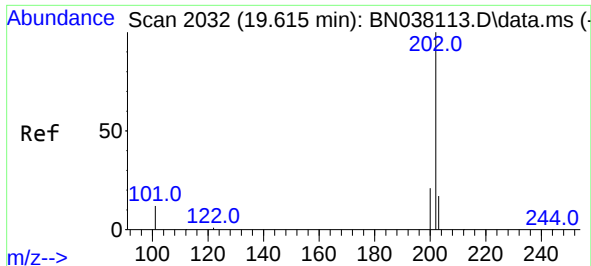
Tgt Ion:202 Resp: 8756
Ion Ratio Lower Upper
202 100
101 31.7 9.4 14.2#
203 22.1 13.4 20.2#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:240 Resp: 31483
Ion Ratio Lower Upper
240 100
120 19.7 10.7 16.1#
236 29.7 23.1 34.7

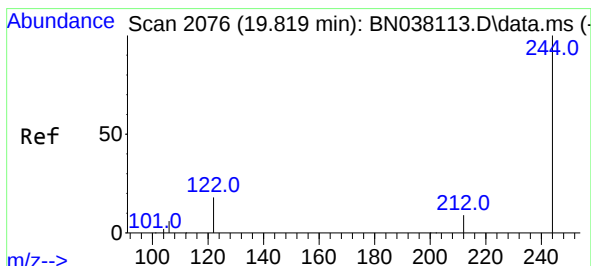
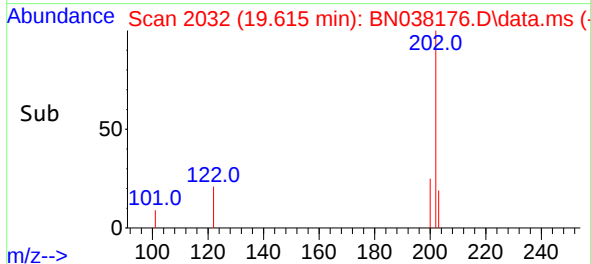
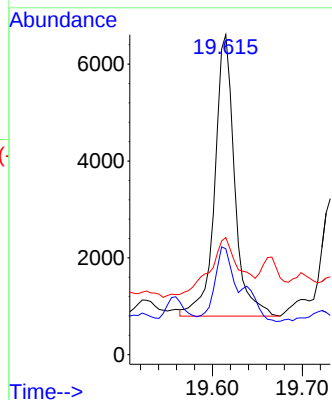
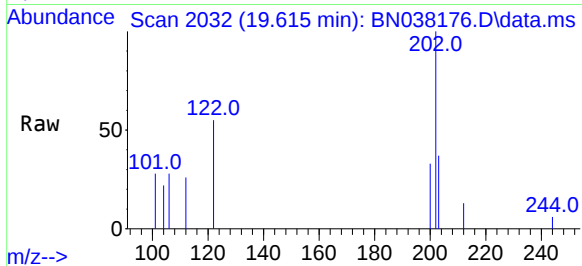




#30
Pyrene
Concen: 0.062 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

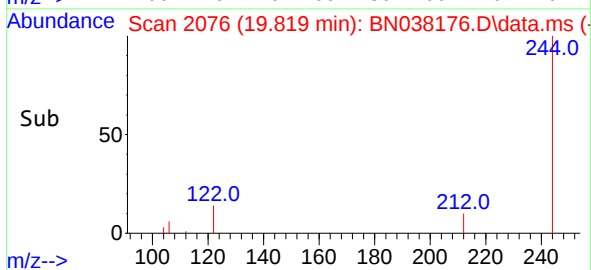
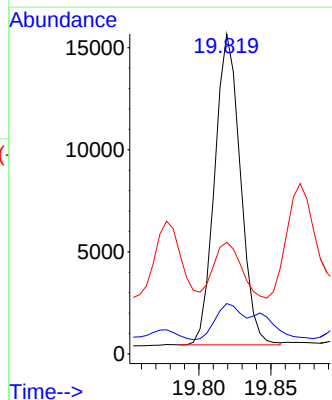
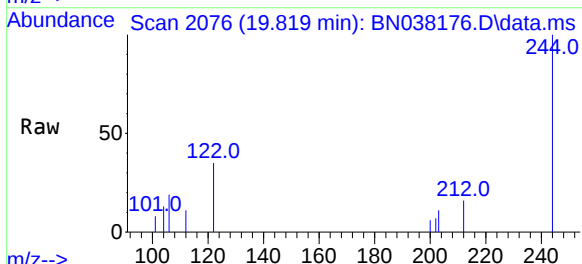
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

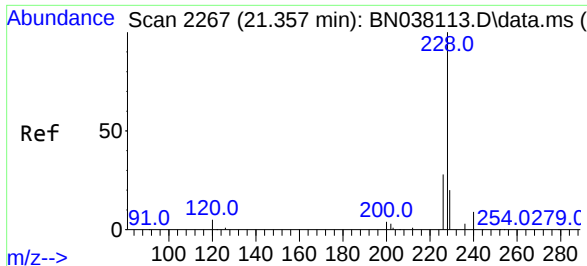
Tgt Ion:202 Resp: 8875
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 33.3 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.276 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

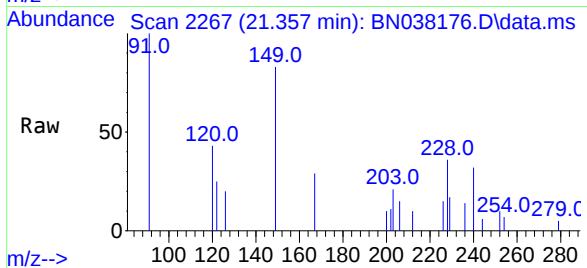
Tgt Ion:244 Resp: 18892
Ion Ratio Lower Upper
244 100
212 15.8 7.8 11.6#
122 34.9 15.2 22.8#



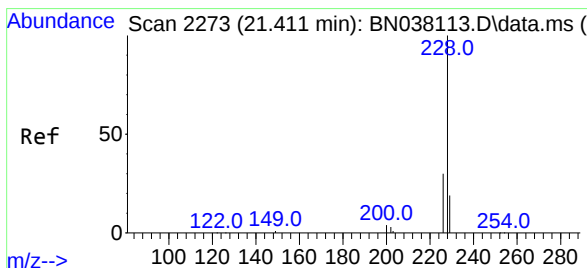
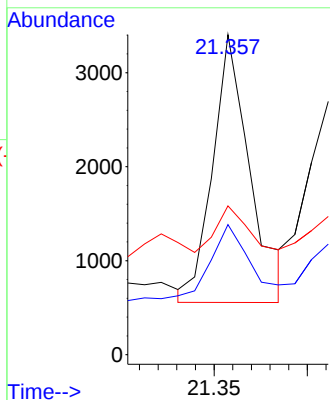


#32
Benzo(a)anthracene
Concen: 0.035 ng
RT: 21.357 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

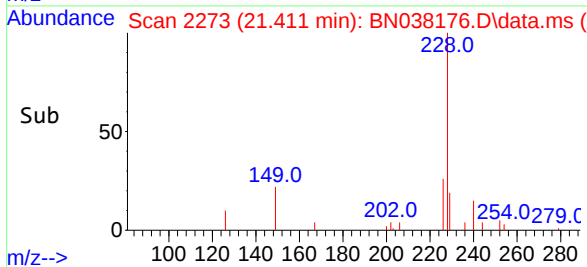
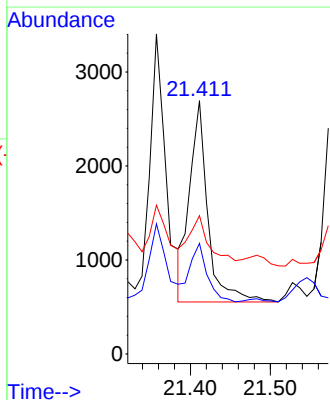
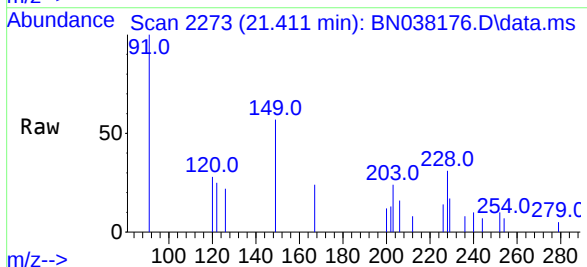


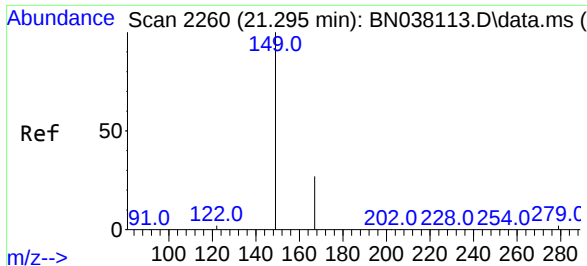
Tgt Ion:228 Resp: 3961
Ion Ratio Lower Upper
228 100
226 40.7 22.2 33.4#
229 46.5 15.8 23.8#



#33
Chrysene
Concen: 0.028 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:228 Resp: 3427
Ion Ratio Lower Upper
228 100
226 43.7 24.3 36.5#
229 54.6 15.7 23.5#

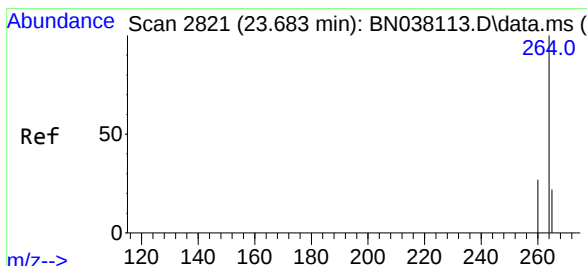
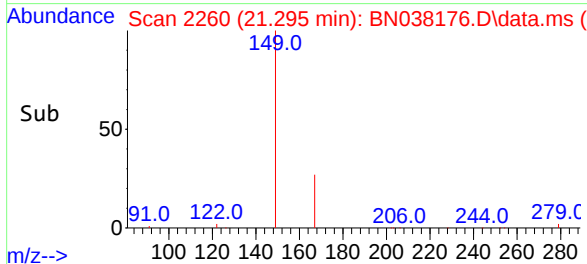
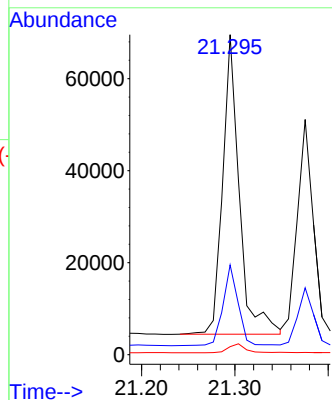
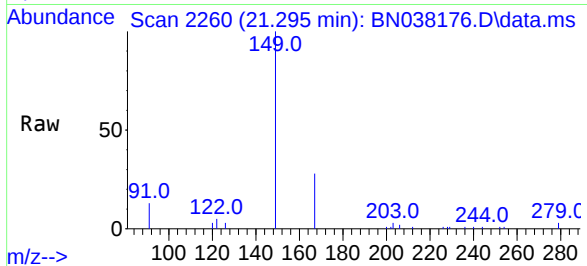




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.357 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

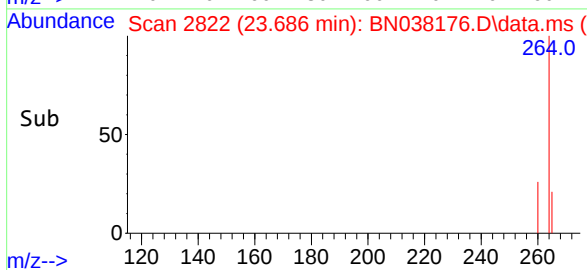
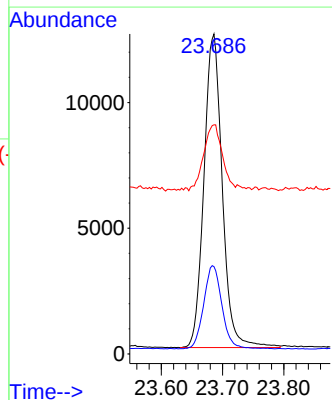
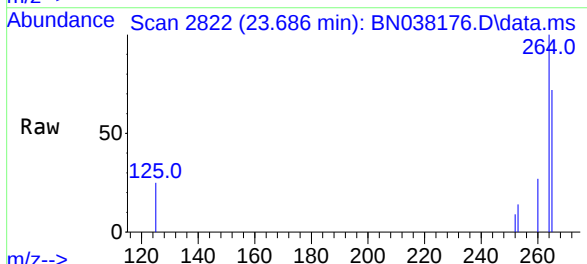
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

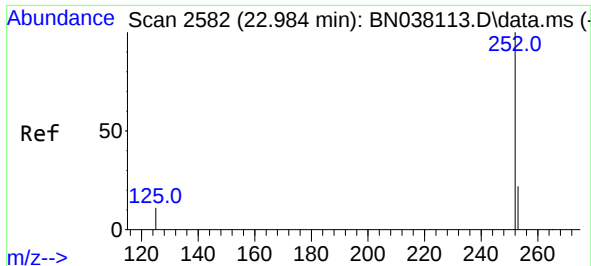
Tgt Ion:149 Resp: 80278
Ion Ratio Lower Upper
149 100
167 24.2 21.1 31.7
279 3.2 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

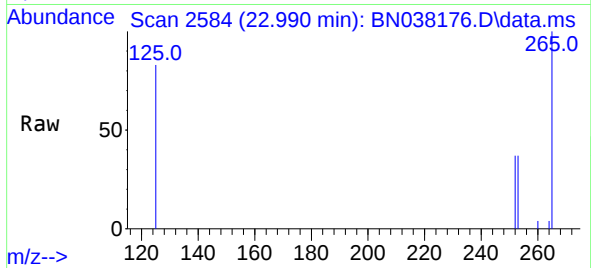
Tgt Ion:264 Resp: 25895
Ion Ratio Lower Upper
264 100
260 27.3 21.8 32.8
265 71.6 68.6 102.8



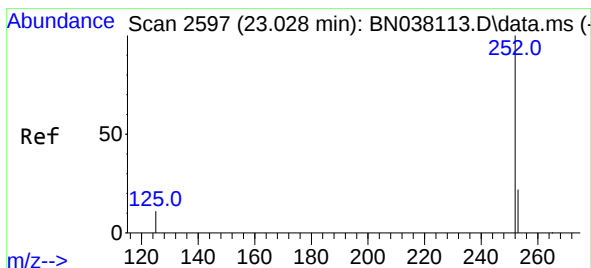
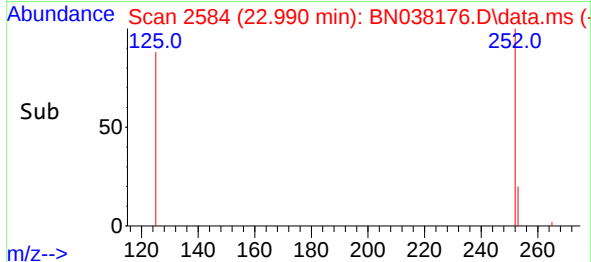
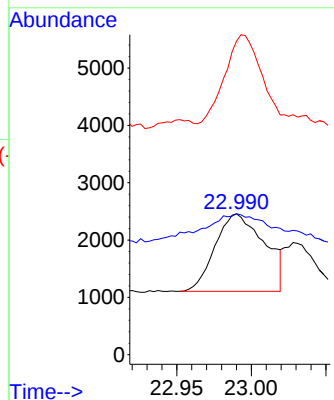


#37
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 22.990 min Scan# 2584
Delta R.T. 0.009 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

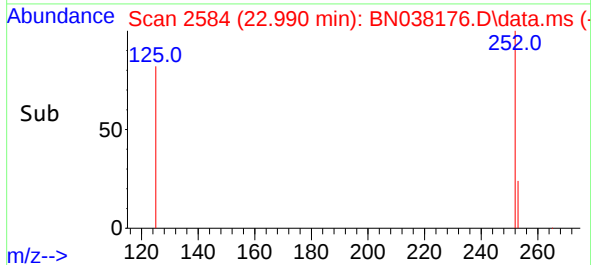
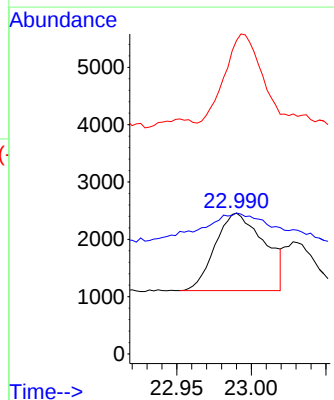
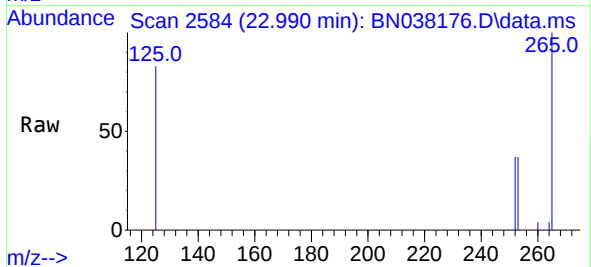


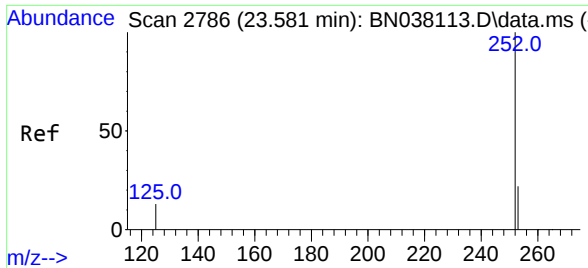
Tgt Ion:252 Resp: 3113
Ion Ratio Lower Upper
252 100
253 100.1 20.9 31.3#
125 222.7 14.1 21.1#



#38
Benzo(k)fluoranthene
Concen: 0.028 ng
RT: 22.990 min Scan# 2584
Delta R.T. -0.038 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

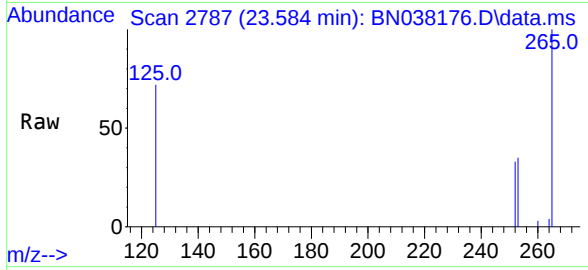
Tgt Ion:252 Resp: 3113
Ion Ratio Lower Upper
252 100
253 100.1 21.2 31.8#
125 222.7 14.6 22.0#





#39
Benzo(a)pyrene
Concen: 0.029 ng
RT: 23.584 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL



Tgt Ion:252 Resp: 2549
Ion Ratio Lower Upper
252 100
253 105.0 23.1 34.7#
125 218.9 18.6 28.0#

