

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038154.D
 Acq On : 07 Nov 2025 14:56
 Operator : RC/JU
 Sample : Q3552-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9

Quant Time: Nov 07 15:20:30 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

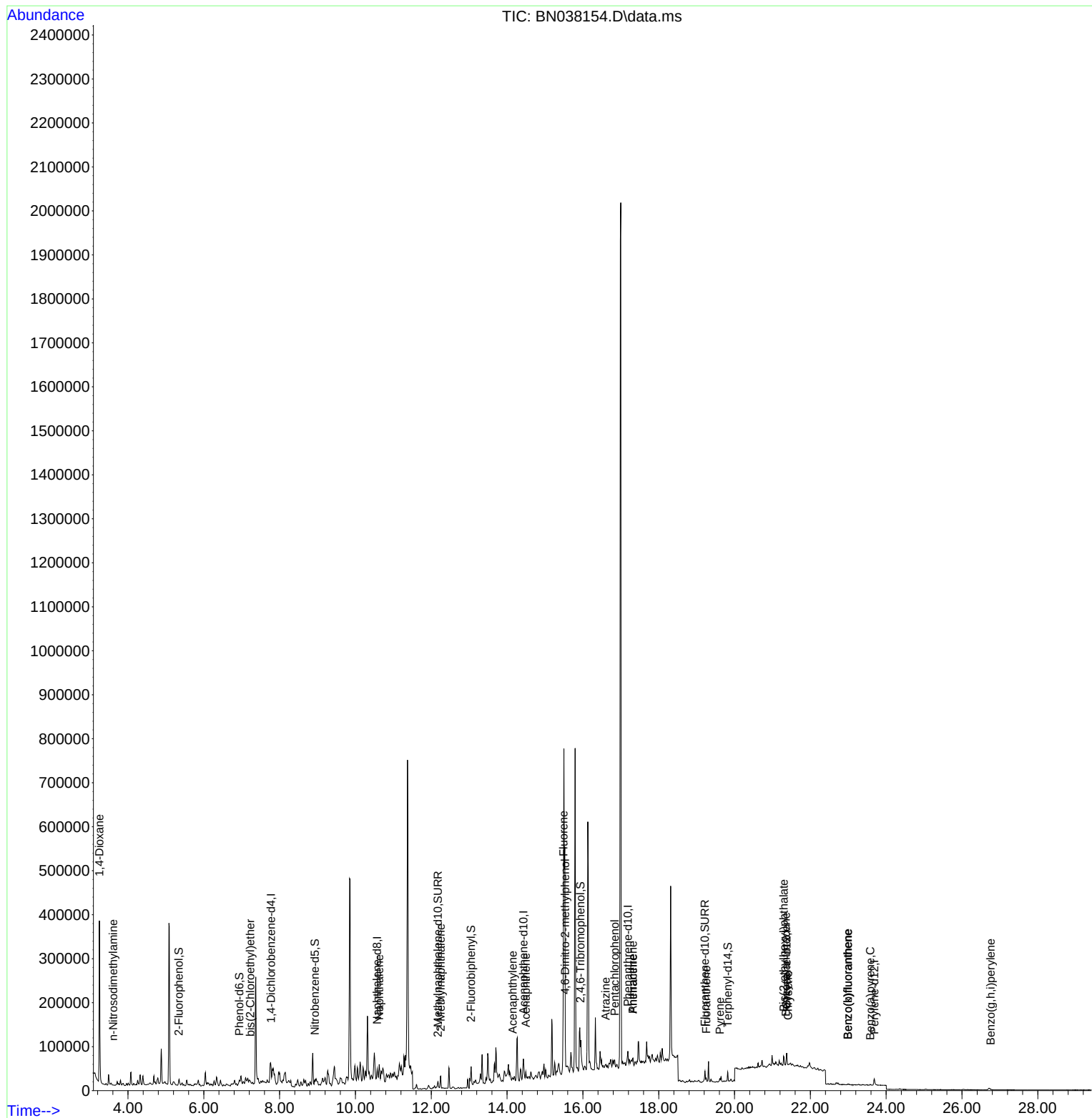
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10349	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33209	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	28422	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	32687	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18523	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	19674	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	6307	0.259	ng	0.00
5) Phenol-d6	6.937	99	3612	0.122	ng	0.00
8) Nitrobenzene-d5	8.929	82	10645	0.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	20882	0.440	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4153	0.355	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	33737	0.296	ng	0.00
27) Fluoranthene-d10	19.220	212	25672	0.311	ng	0.00
31) Terphenyl-d14	19.819	244	19990	0.497	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.247	88	212427	19.866	ng	98
3) n-Nitrosodimethylamine	3.608	42	375	0.027	ng	# 1
6) bis(2-Chloroethyl)ether	7.226	93	1516	0.052	ng	# 22
9) Naphthalene	10.626	128	42267	0.462	ng	95
12) 2-Methylnaphthalene	12.248	142	20799	0.341	ng	# 92
16) Acenaphthylene	14.152	152	3792	0.029	ng	# 48
17) Acenaphthene	14.495	154	13254	0.147	ng	# 84
18) Fluorene	15.489	166	24796	0.210	ng	# 12
20) 4,6-Dinitro-2-methylph...	15.535	198	935	0.334	ng	# 1
23) Atrazine	16.602	200	607	0.039	ng	# 1
24) Pentachlorophenol	16.838	266	225	0.021	ng	# 82
25) Phenanthrene	17.322	178	18214	0.176	ng	95
26) Anthracene	17.322	178	18419	0.203	ng	96
28) Fluoranthene	19.253	202	6074	0.052	ng	# 82
30) Pyrene	19.615	202	6838	0.082	ng	# 81
32) Benzo(a)anthracene	21.358	228	4137	0.063	ng	# 45
33) Chrysene	21.411	228	2088	0.029	ng	# 5
34) Bis(2-ethylhexyl)phtha...	21.295	149	19583	0.563	ng	# 86
37) Benzo(b)fluoranthene	22.990	252	2606	0.031	ng	# 1
38) Benzo(k)fluoranthene	22.990	252	2625	0.031	ng	# 1
39) Benzo(a)pyrene	23.584	252	2084	0.031	ng	# 1
41) Benzo(g,h,i)perylene	26.759	276	1815	0.026	ng	# 1

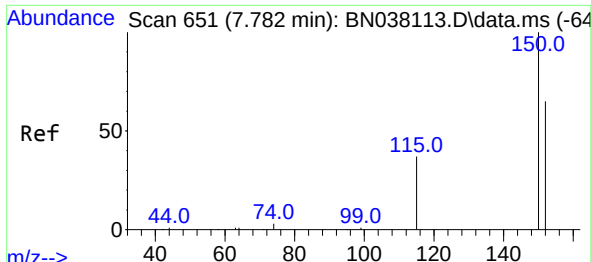
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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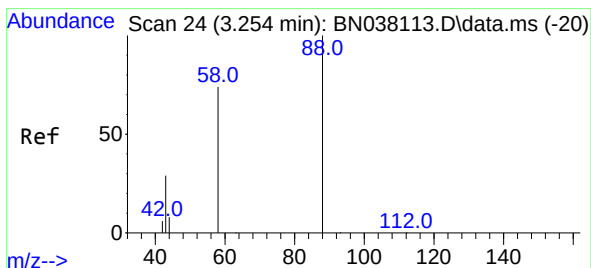
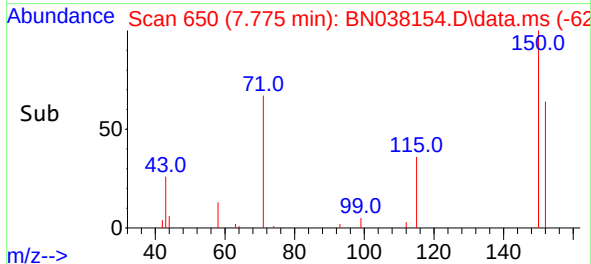
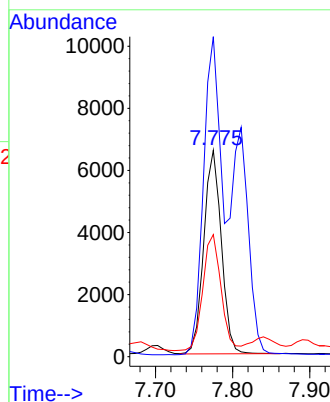
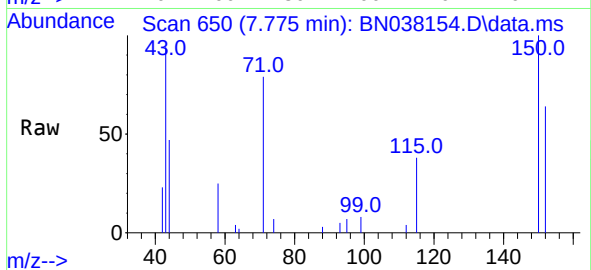




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN038154.D
 Acq: 07 Nov 2025 14:56

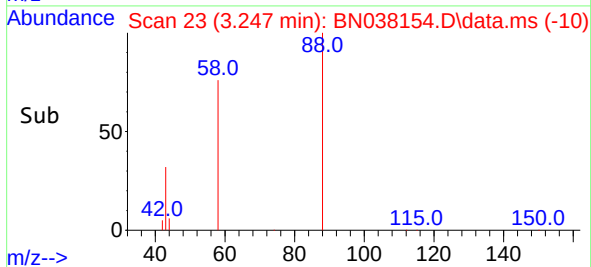
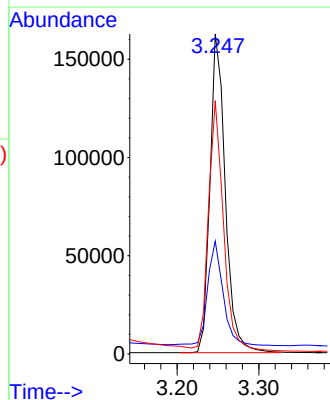
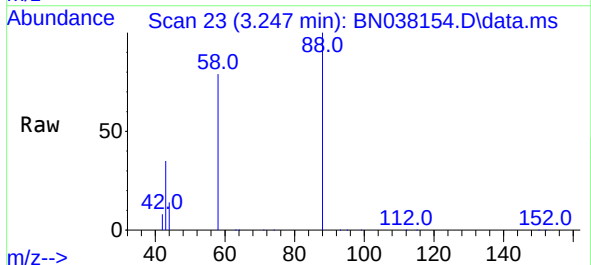
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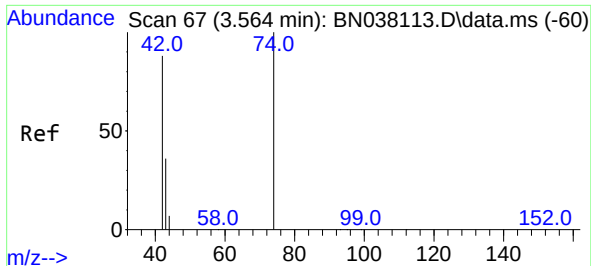
Tgt Ion:152 Resp: 10349
 Ion Ratio Lower Upper
 152 100
 150 155.1 122.3 183.5
 115 59.1 47.4 71.0



#2
 1,4-Dioxane
 Concen: 19.866 ng
 RT: 3.247 min Scan# 23
 Delta R.T. -0.007 min
 Lab File: BN038154.D
 Acq: 07 Nov 2025 14:56

Tgt Ion: 88 Resp: 212427
 Ion Ratio Lower Upper
 88 100
 43 33.2 24.3 36.5
 58 76.6 60.4 90.6

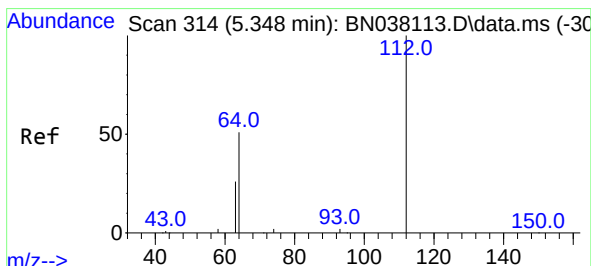
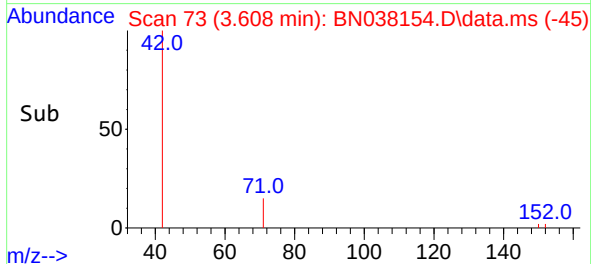
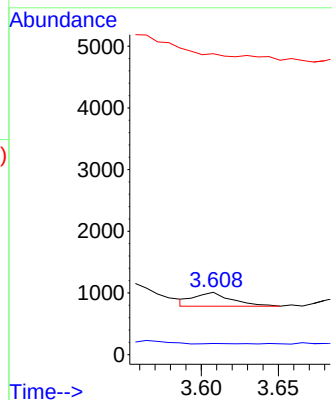
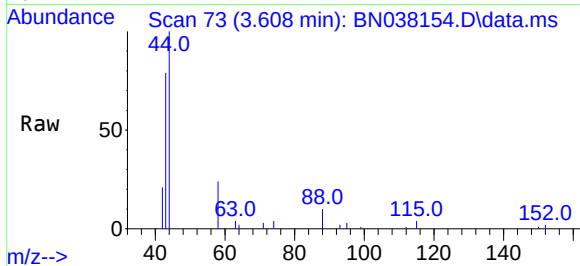




#3
n-Nitrosodimethylamine
Concen: 0.027 ng
RT: 3.608 min Scan# 71
Delta R.T. 0.051 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

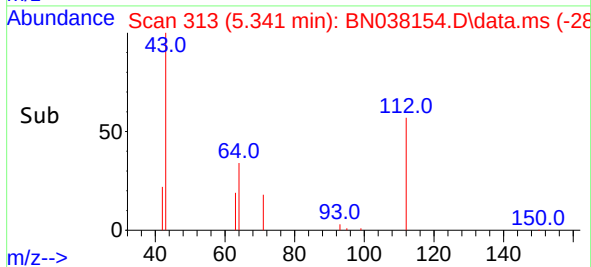
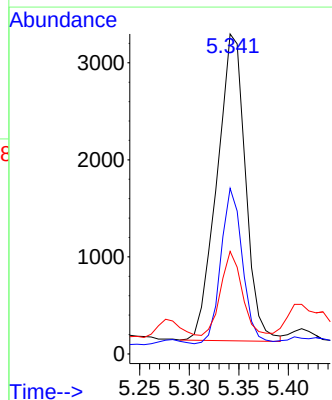
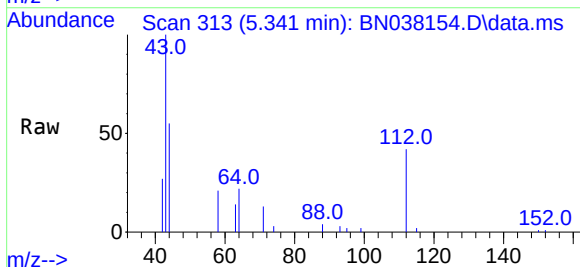
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ClientSampleId :
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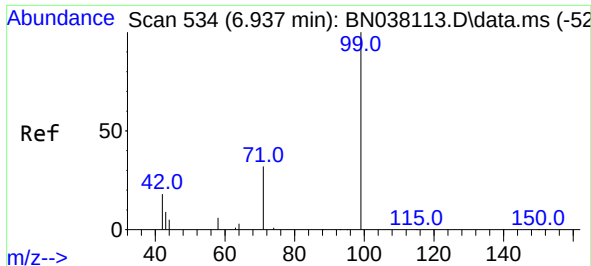
Tgt Ion: 42 Resp: 375
Ion Ratio Lower Upper
42 100
74 2.7 96.8 145.2#
44 0.0 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.007 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion: 112 Resp: 6307
Ion Ratio Lower Upper
112 100
64 39.3 45.4 68.0#
63 21.9 23.2 34.8#

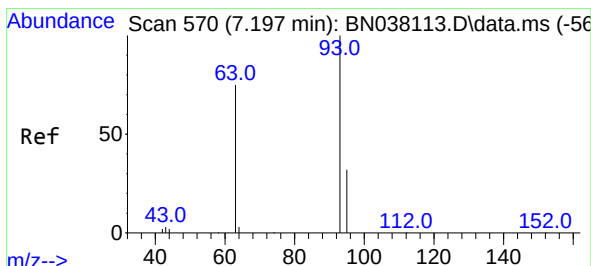
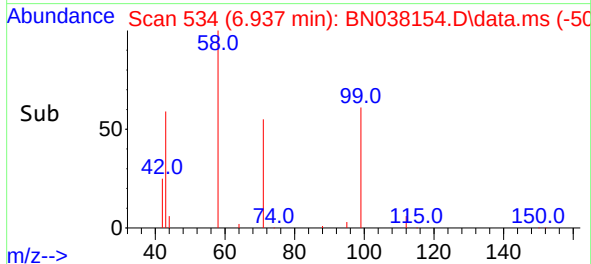
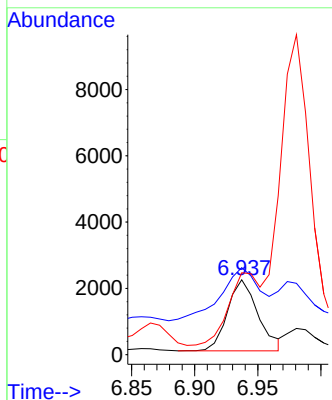
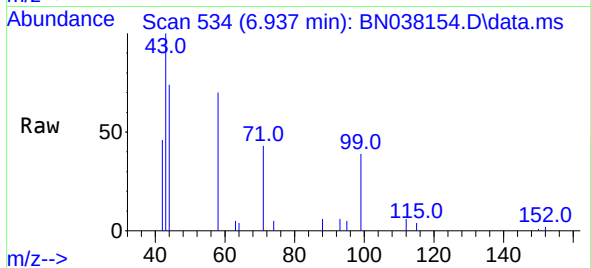




#5
Phenol-d6
Concen: 0.122 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

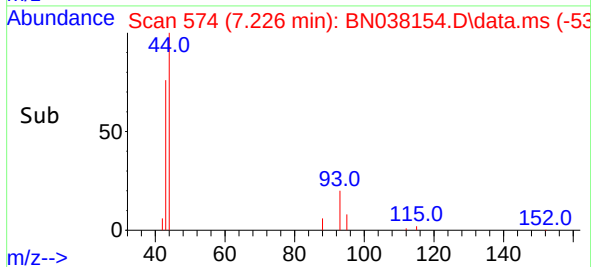
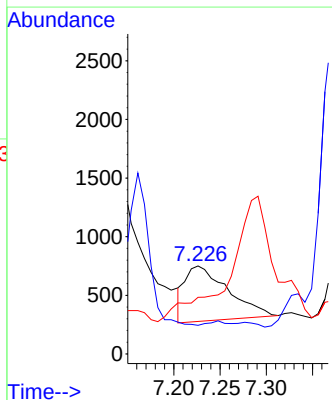
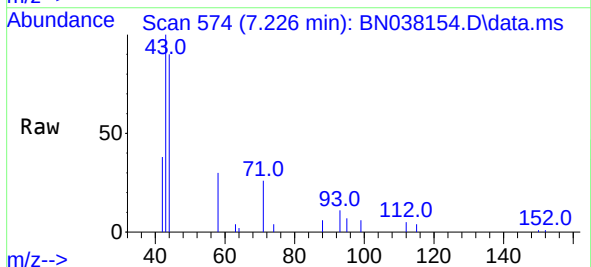
Instrument :
BNA_N
ClientSampleId :
MW-9

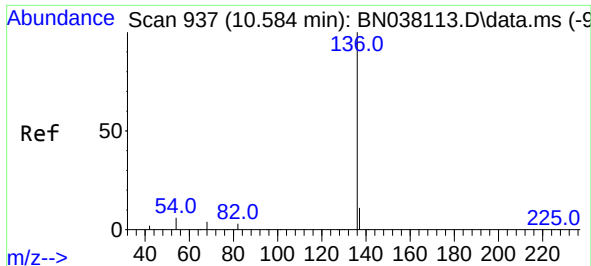
Tgt Ion: 99 Resp: 3612
Ion Ratio Lower Upper
99 100
42 97.3 16.6 24.8#
71 0.0 25.4 38.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.052 ng
RT: 7.226 min Scan# 574
Delta R.T. 0.029 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion: 93 Resp: 1516
Ion Ratio Lower Upper
93 100
63 0.0 59.3 88.9#
95 0.0 25.2 37.8#

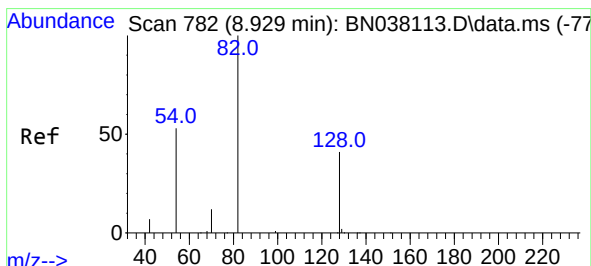
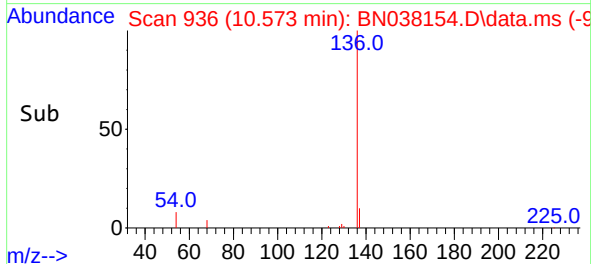
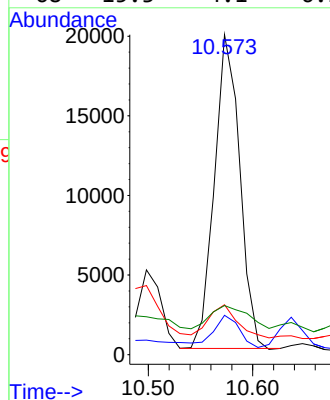
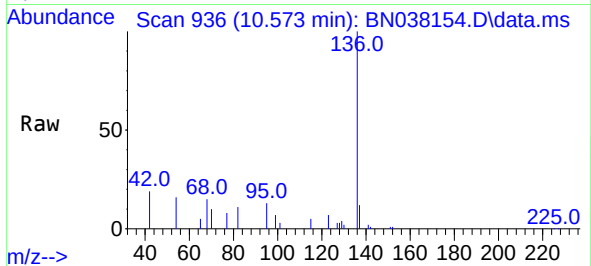




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

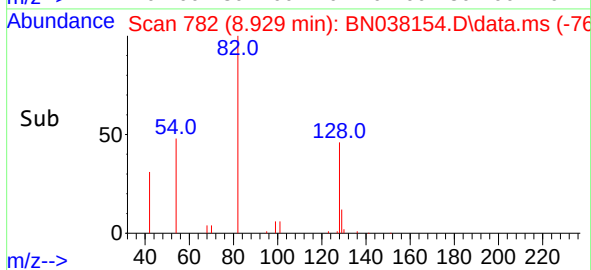
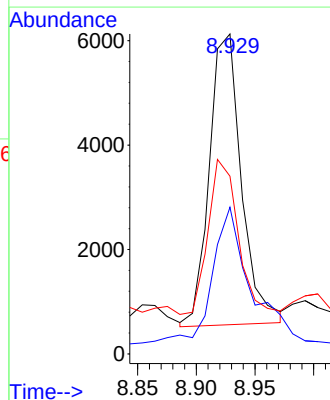
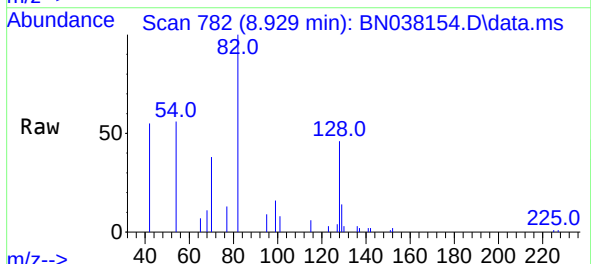
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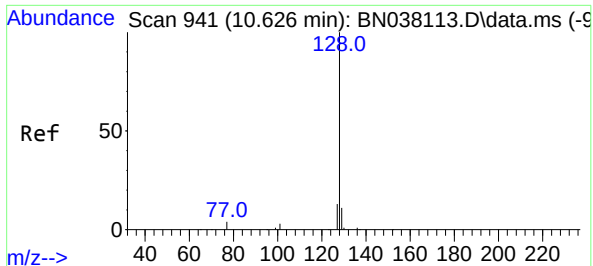
Tgt Ion:	136	Resp:	33209
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.0	13.4
54	15.6	5.2	7.8#
68	15.3	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:	82	Resp:	10645
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.1	51.1
54	55.5	43.5	65.3

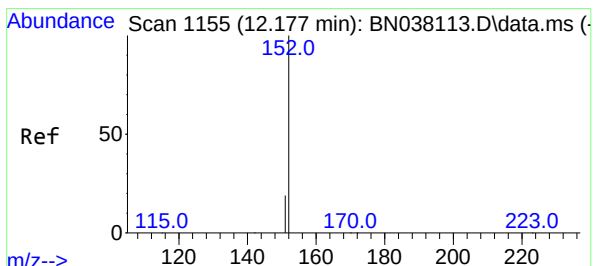
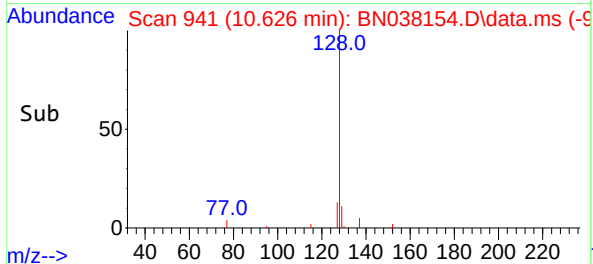
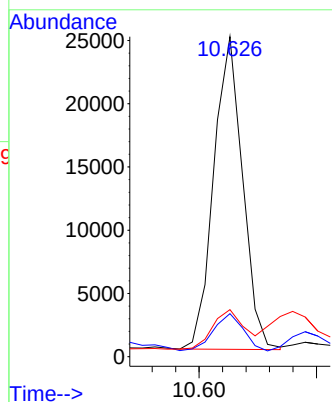
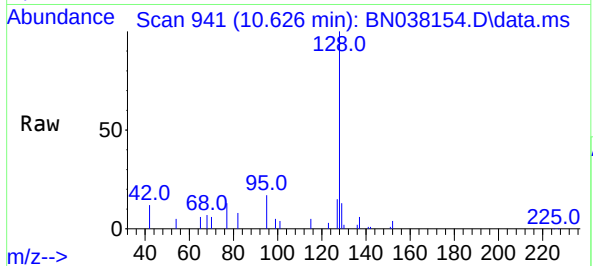




#9
Naphthalene
Concen: 0.462 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

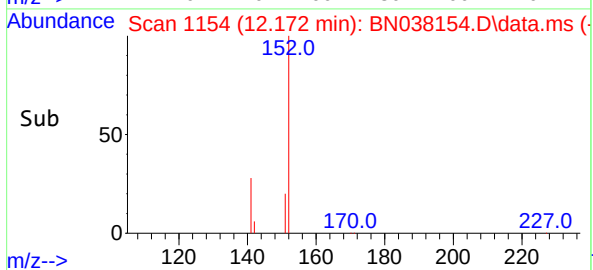
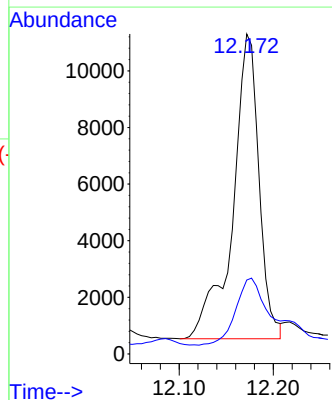
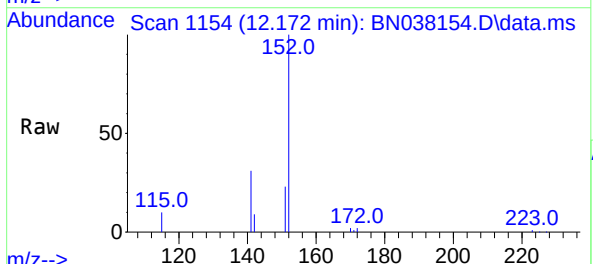
Instrument :
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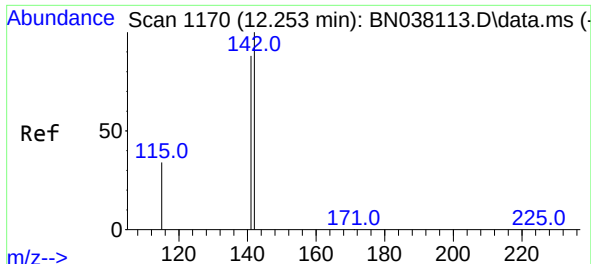
Tgt Ion:128 Resp: 42267
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 14.7 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.440 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:152 Resp: 20882
Ion Ratio Lower Upper
152 100
151 34.2 16.8 25.2#

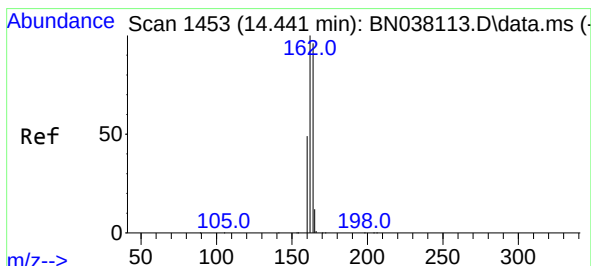
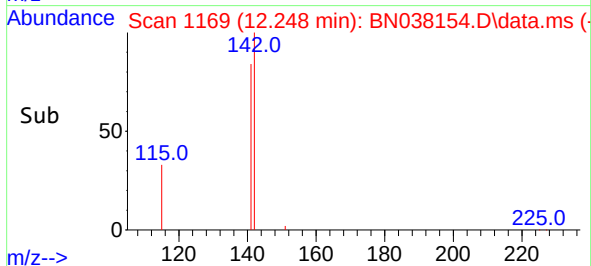
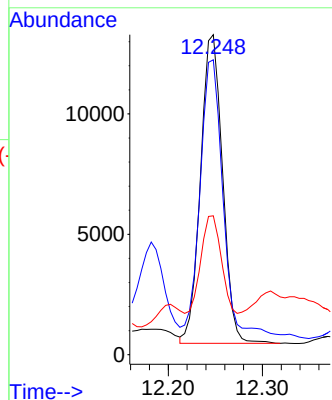
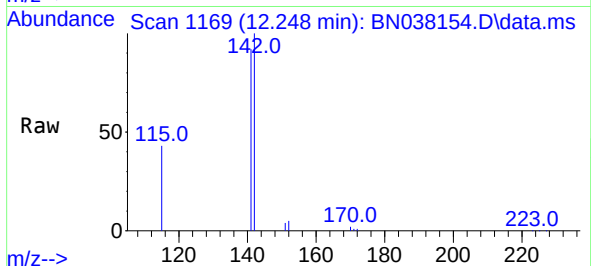




#12
2-Methylnaphthalene
Concen: 0.341 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

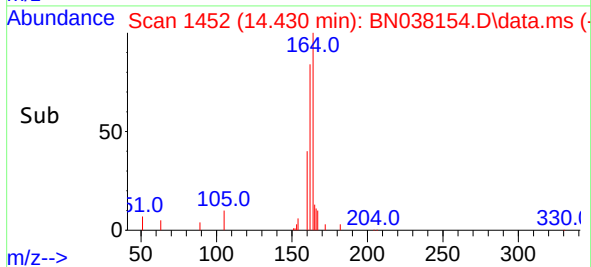
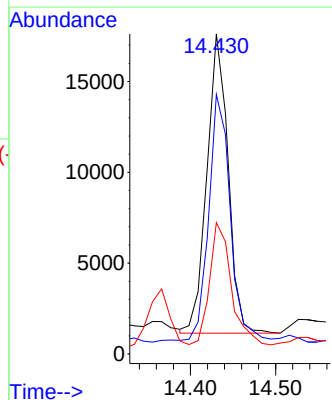
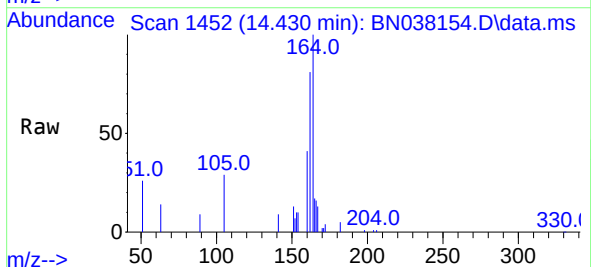
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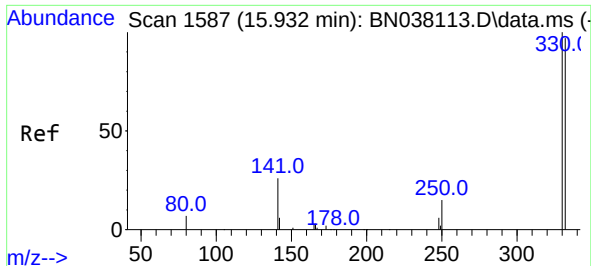
Tgt Ion:142 Resp: 20799
Ion Ratio Lower Upper
142 100
141 92.1 70.3 105.5
115 43.4 27.8 41.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:164 Resp: 28422
Ion Ratio Lower Upper
164 100
162 81.1 83.0 124.4#
160 41.0 40.7 61.1

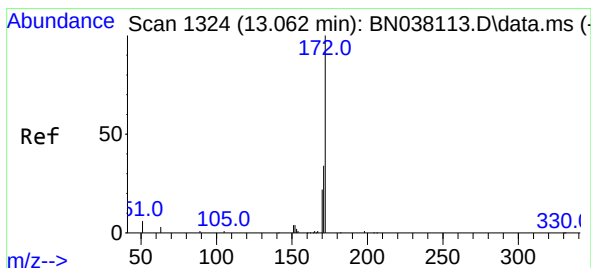
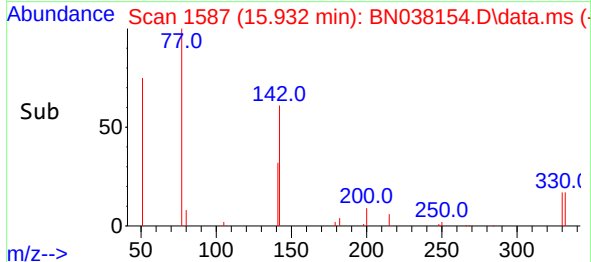
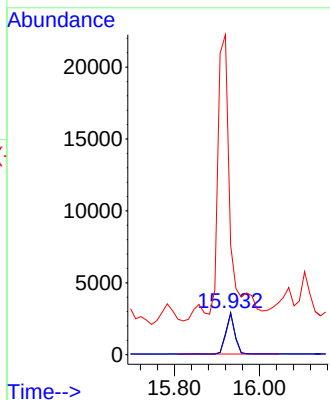
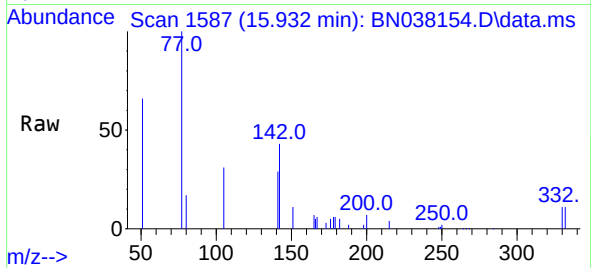




#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

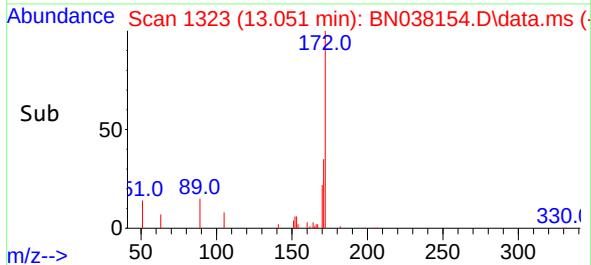
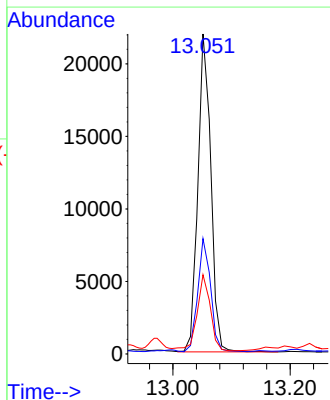
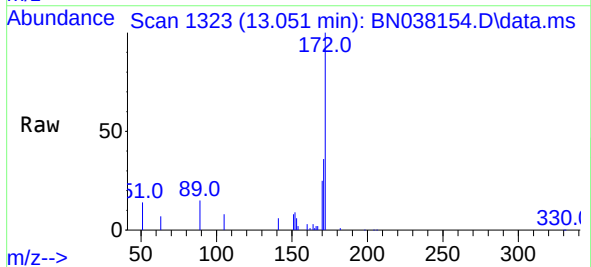
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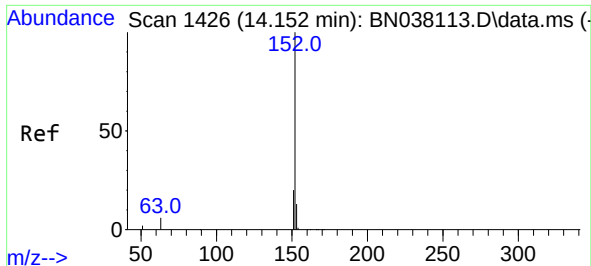
Tgt Ion:330 Resp: 4153
Ion Ratio Lower Upper
330 100
332 97.8 76.6 114.8
141 910.5 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:172 Resp: 33737
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.6
170 24.7 18.1 27.1

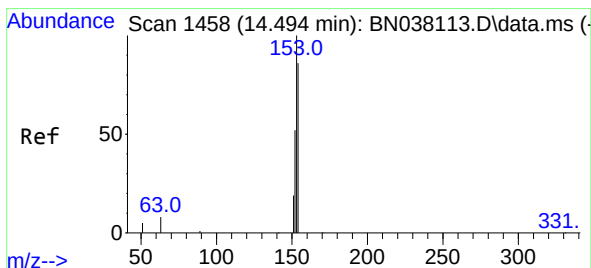
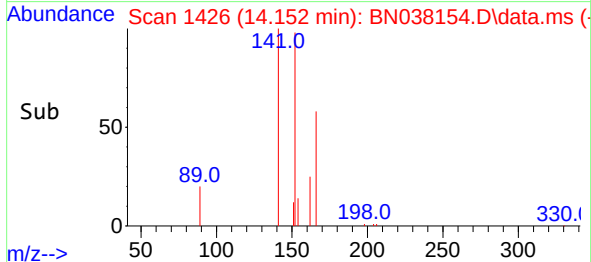
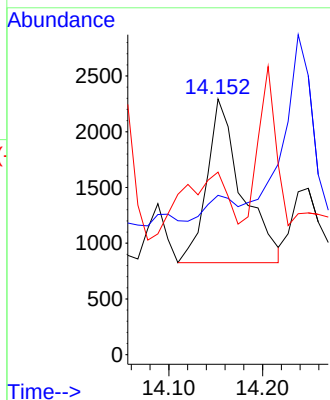
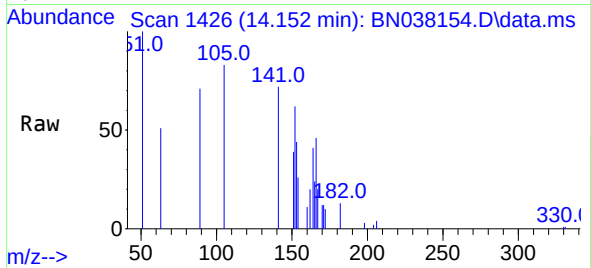




#16
Acenaphthylene
Concen: 0.029 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

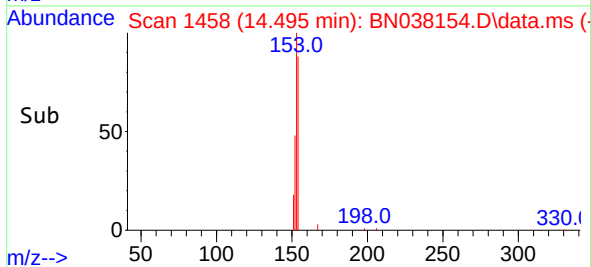
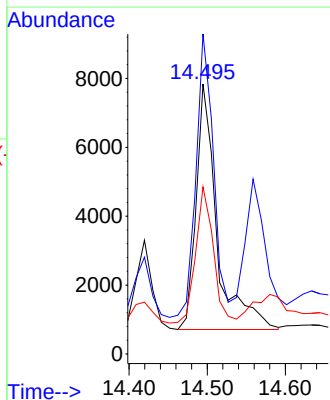
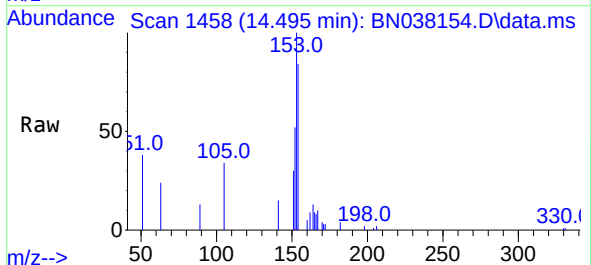
Instrument :
BNA_N
ClientSampleId :
MW-9

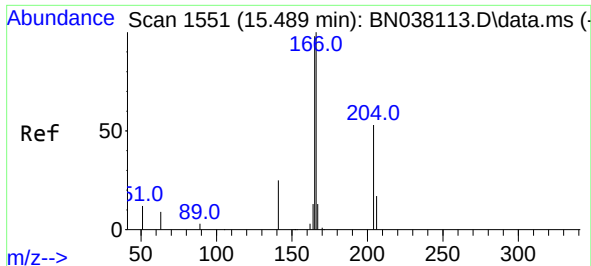
Tgt Ion:152 Resp: 3792
Ion Ratio Lower Upper
152 100
151 12.8 15.8 23.8#
153 55.7 10.2 15.2#



#17
Acenaphthene
Concen: 0.147 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:154 Resp: 13254
Ion Ratio Lower Upper
154 100
153 95.7 90.0 135.0
152 46.9 47.3 70.9#

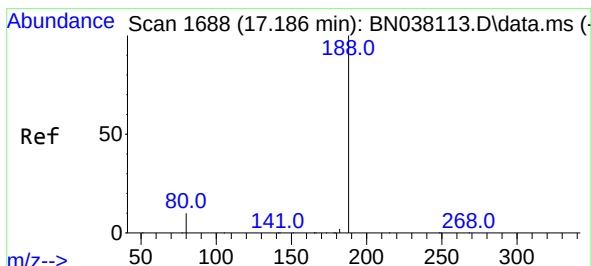
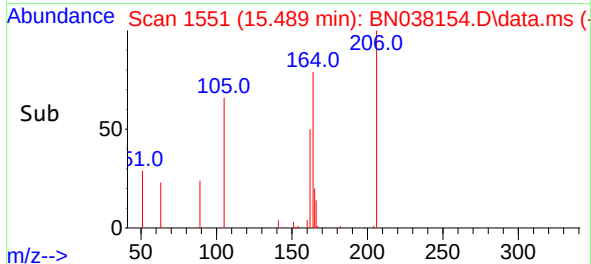
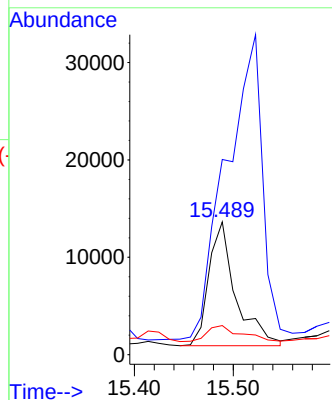
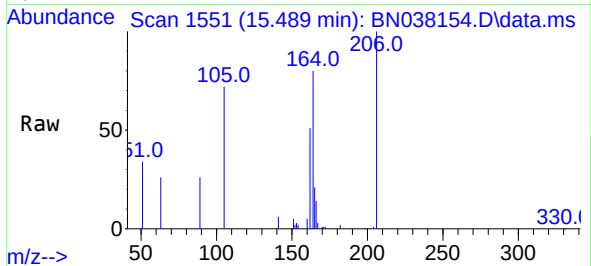




#18
Fluorene
Concen: 0.210 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

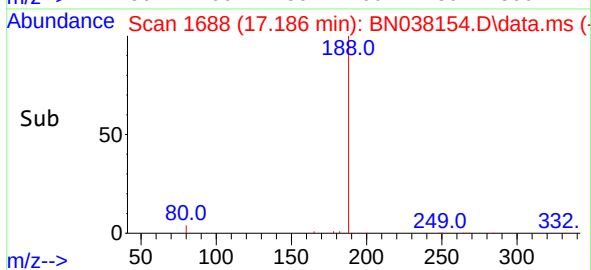
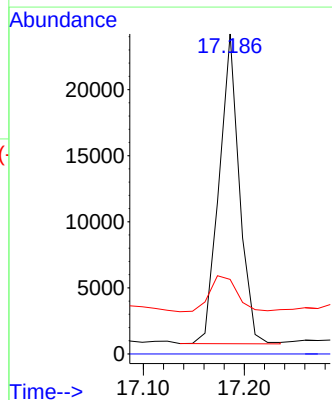
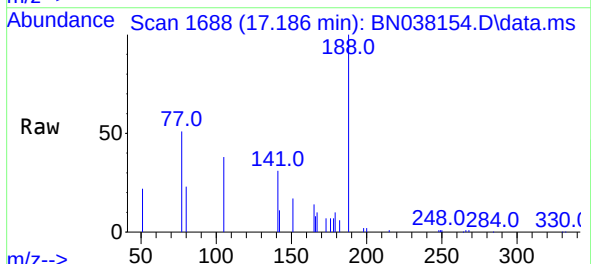
Instrument :
BNA_N
ClientSampleId :
MW-9

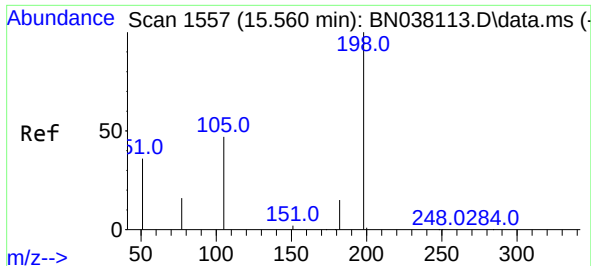
Tgt Ion:166 Resp: 24796
Ion Ratio Lower Upper
166 100
165 0.0 79.0 118.4#
167 16.1 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:188 Resp: 32687
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 23.3 8.6 13.0#

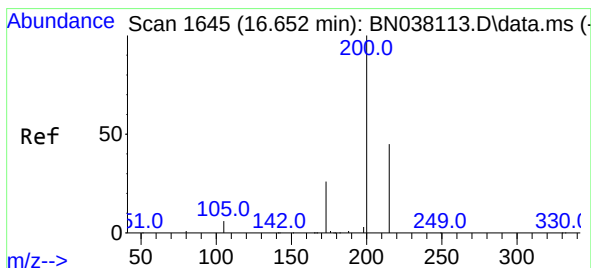
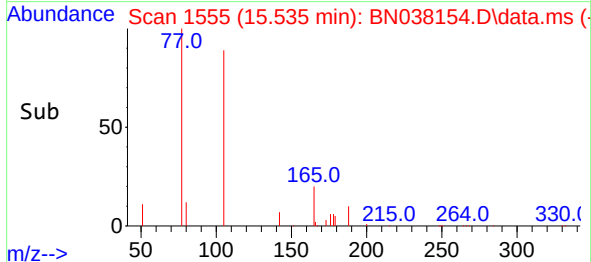
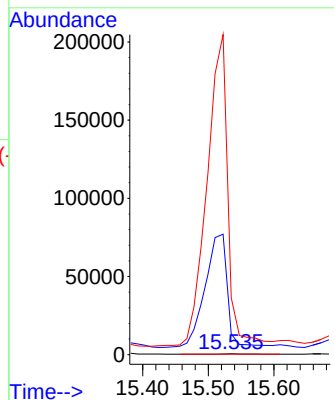
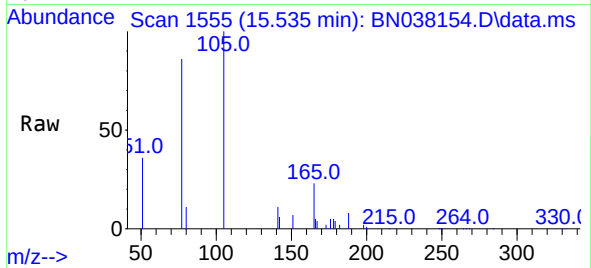




#20
4,6-Dinitro-2-methylphenol
Concen: 0.334 ng
RT: 15.535 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

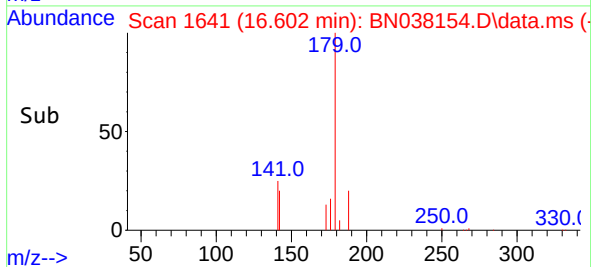
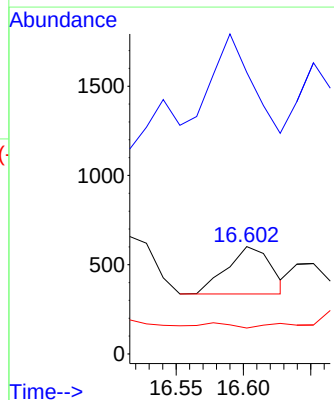
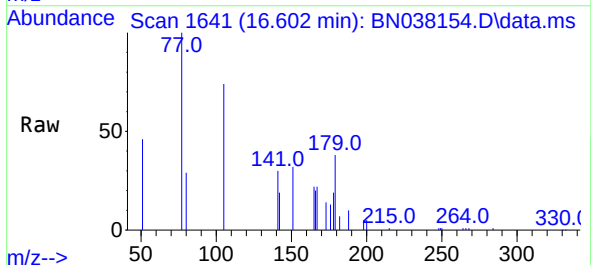
Instrument :
BNA_N
ClientSampleId :
MW-9

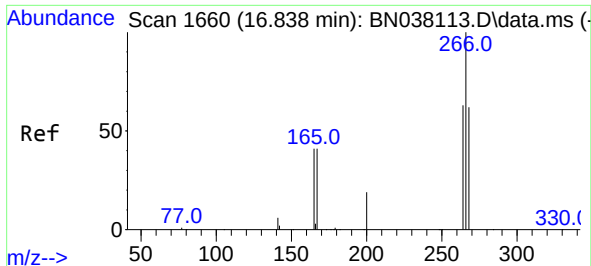
Tgt Ion:198 Resp: 935
Ion Ratio Lower Upper
198 100
51 2109.6 88.9 133.3#
105 5821.1 49.2 73.8#



#23
Atrazine
Concen: 0.039 ng
RT: 16.602 min Scan# 1641
Delta R.T. -0.050 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:200 Resp: 607
Ion Ratio Lower Upper
200 100
173 262.6 21.4 32.2#
215 24.1 36.7 55.1#

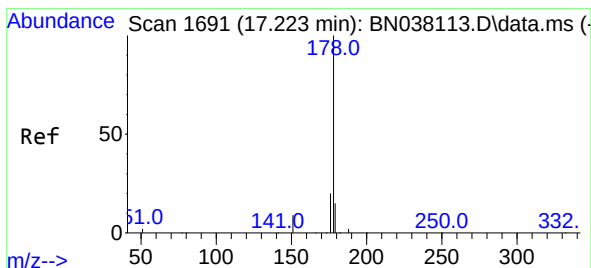
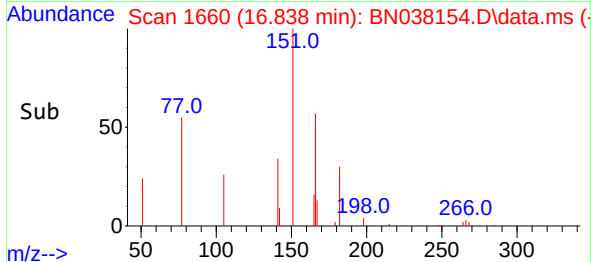
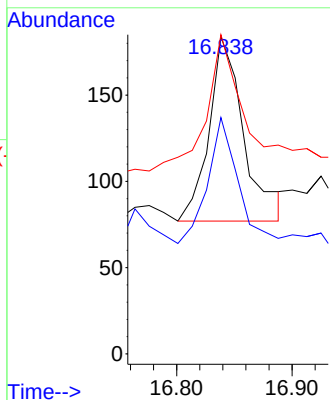
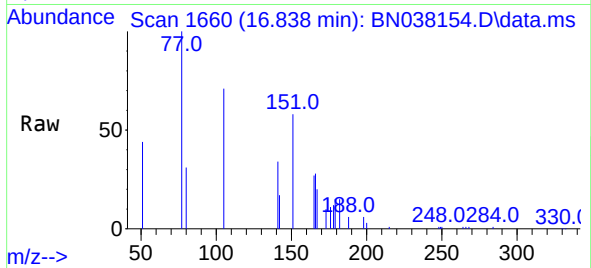




#24
Pentachlorophenol
Concen: 0.021 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

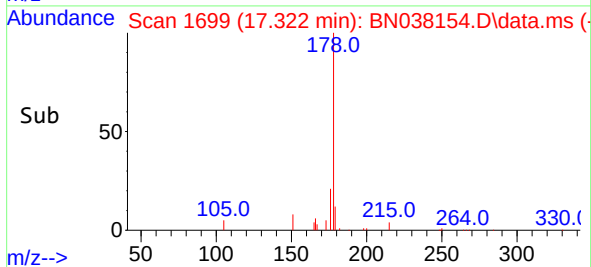
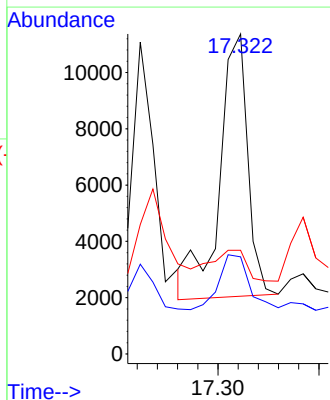
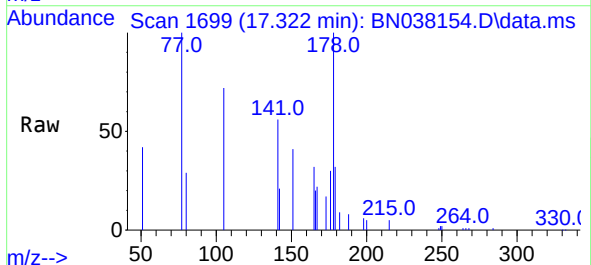
Instrument :
BNA_N
ClientSampleId :
MW-9

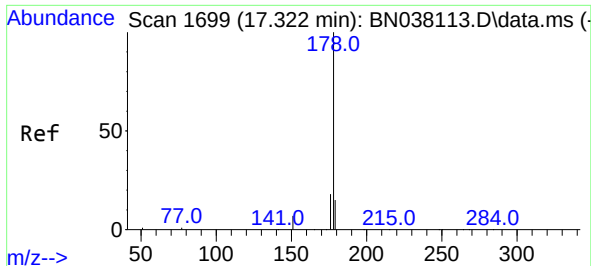
Tgt Ion:266 Resp: 225
Ion Ratio Lower Upper
266 100
264 59.1 49.3 73.9
268 88.0 50.6 75.8#



#25
Phenanthrene
Concen: 0.176 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.099 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:178 Resp: 18214
Ion Ratio Lower Upper
178 100
176 22.2 15.5 23.3
179 16.5 12.2 18.4

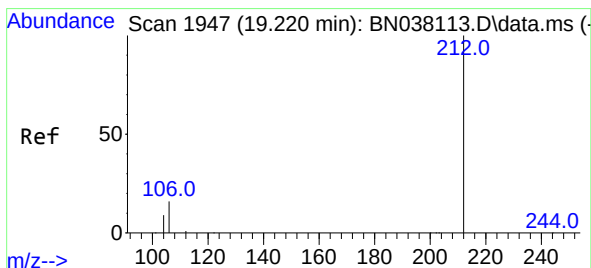
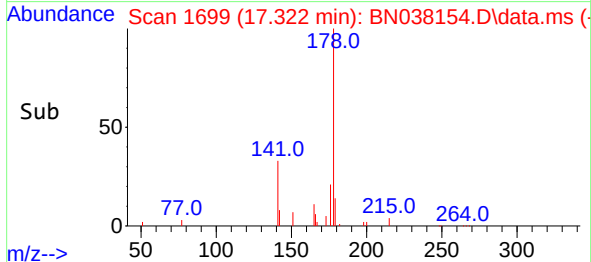
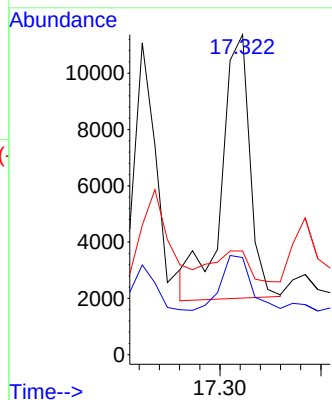
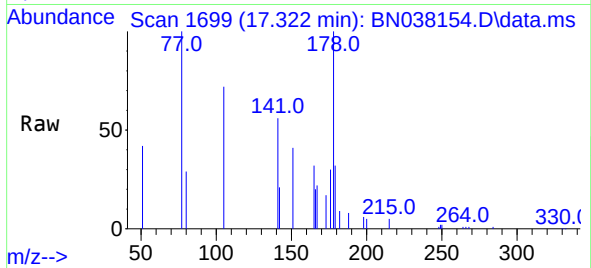




#26
Anthracene
Concen: 0.203 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

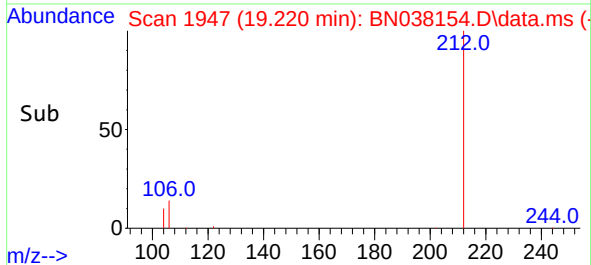
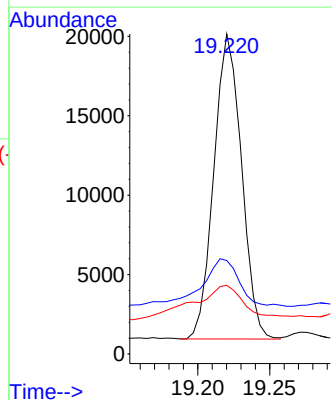
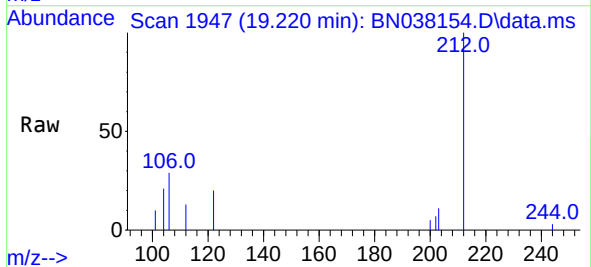
Instrument :
BNA_N
ClientSampleId :
MW-9

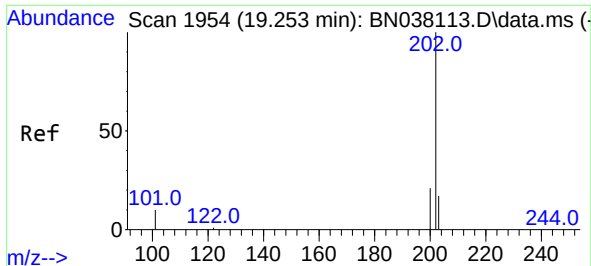
Tgt Ion:178 Resp: 18419
Ion Ratio Lower Upper
178 100
176 22.0 14.9 22.3
179 14.7 11.8 17.8



#27
Fluoranthene-d10
Concen: 0.311 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:212 Resp: 25672
Ion Ratio Lower Upper
212 100
106 28.5 12.6 19.0#
104 22.6 7.1 10.7#

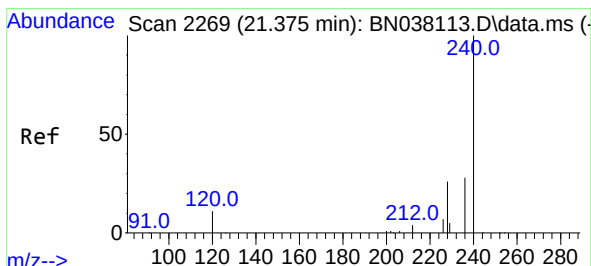
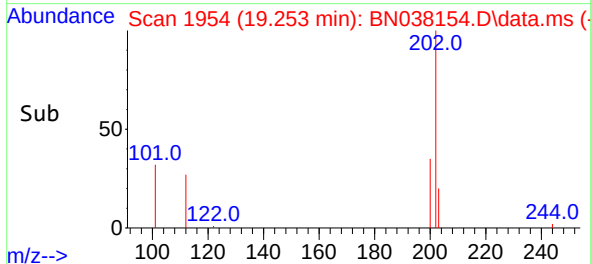
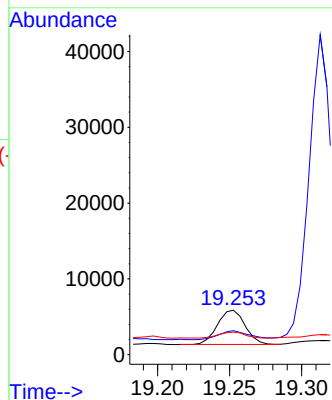
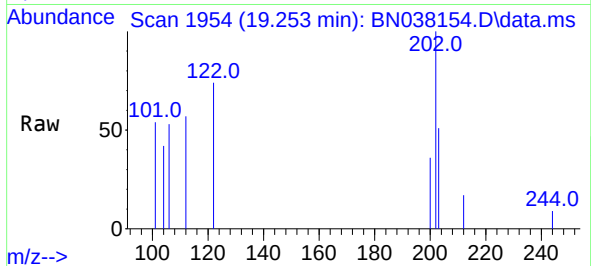




#28
Fluoranthene
Concen: 0.052 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

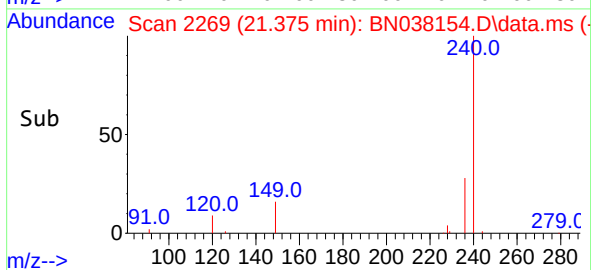
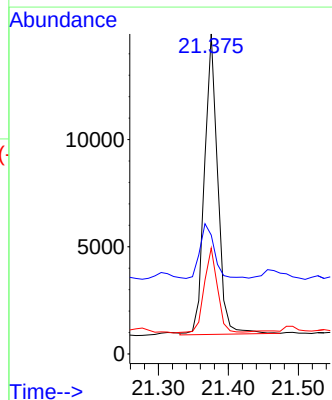
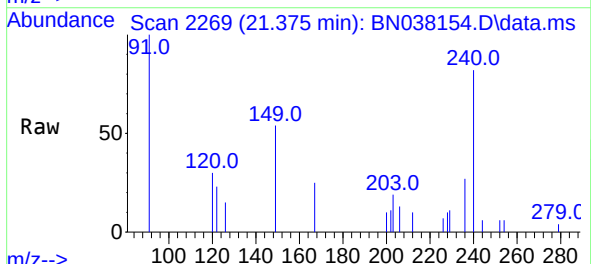
Instrument :
BNA_N
ClientSampleId :
MW-9

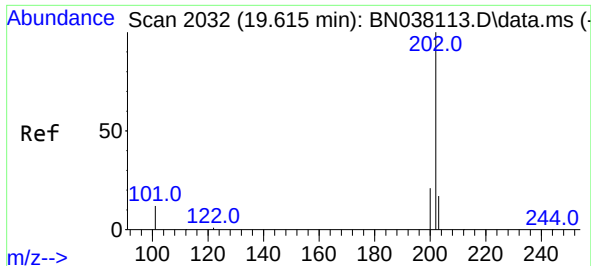
Tgt Ion:202 Resp: 6074
Ion Ratio Lower Upper
202 100
101 28.8 9.4 14.2#
203 16.7 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:240 Resp: 18523
Ion Ratio Lower Upper
240 100
120 37.1 10.7 16.1#
236 33.1 23.1 34.7

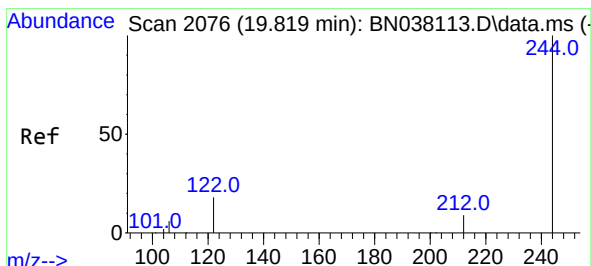
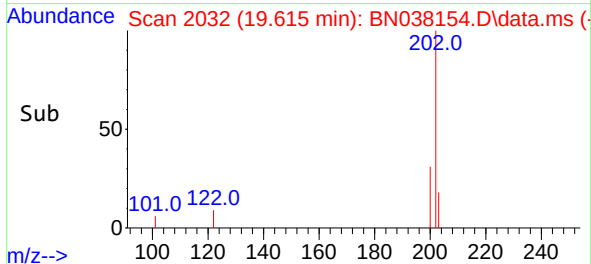
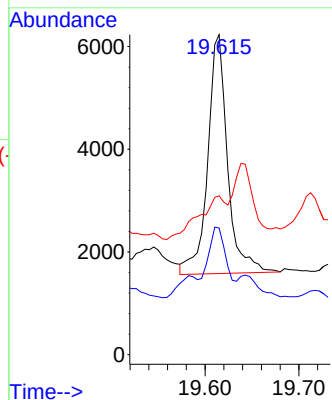
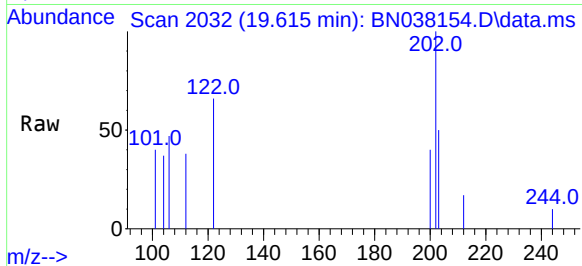




#30
Pyrene
Concen: 0.082 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

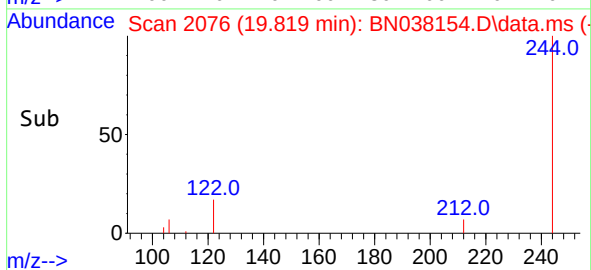
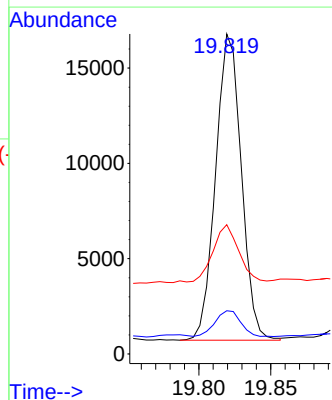
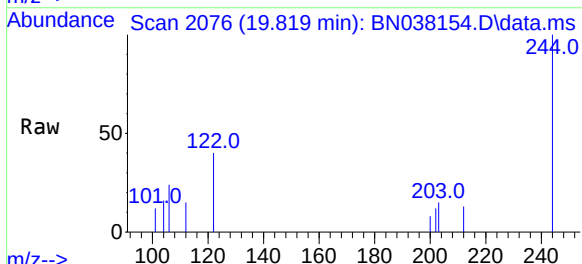
Instrument :
BNA_N
ClientSampleId :
MW-9

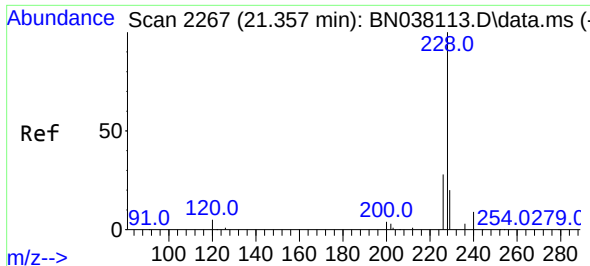
Tgt Ion:202 Resp: 6838
Ion Ratio Lower Upper
202 100
200 29.5 16.7 25.1#
203 26.0 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.497 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:244 Resp: 19990
Ion Ratio Lower Upper
244 100
212 13.5 7.8 11.6#
122 40.4 15.2 22.8#

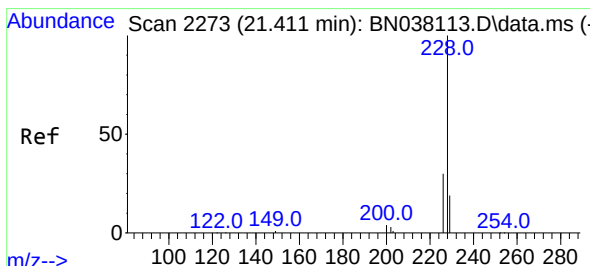
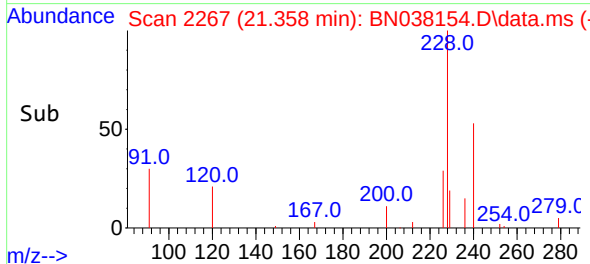
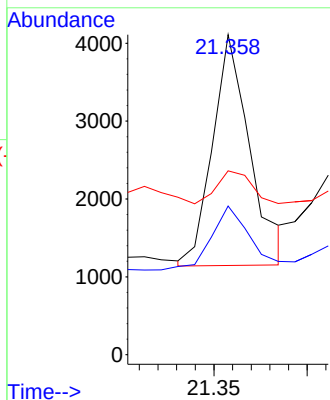
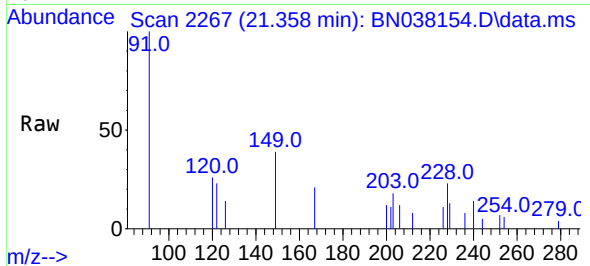




#32
Benzo(a)anthracene
Concen: 0.063 ng
RT: 21.358 min Scan# 2137
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

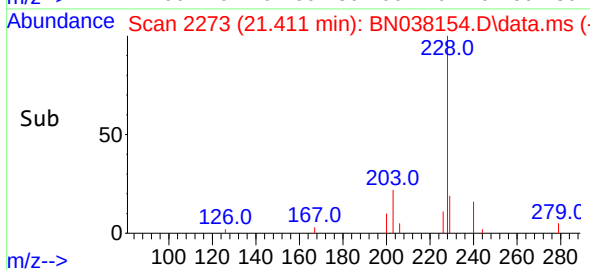
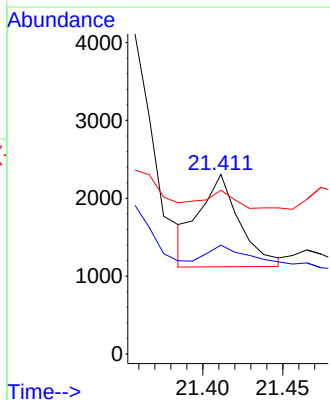
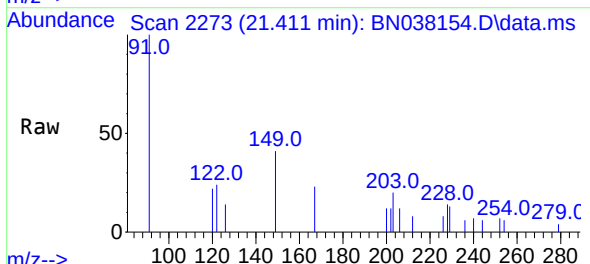
Instrument :
BNA_N
ClientSampleId :
MW-9

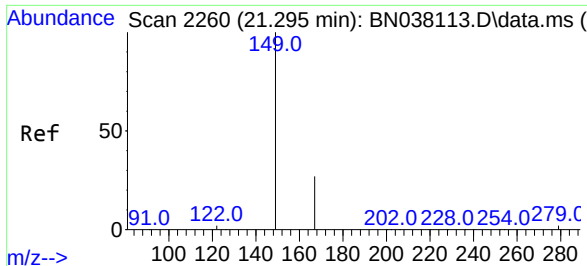
Tgt Ion:	228	Resp:	4137
Ion Ratio	Lower	Upper	
228	100		
226	46.5	22.2	33.4#
229	57.5	15.8	23.8#



#33
Chrysene
Concen: 0.029 ng
RT: 21.411 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:	228	Resp:	2088
Ion Ratio	Lower	Upper	
228	100		
226	60.7	24.3	36.5#
229	91.2	15.7	23.5#

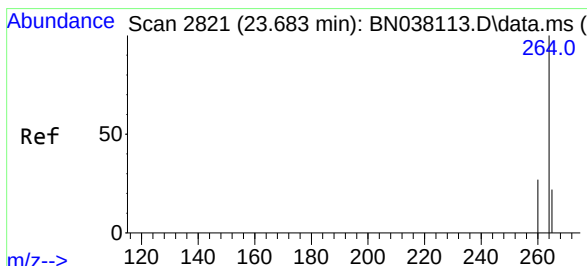
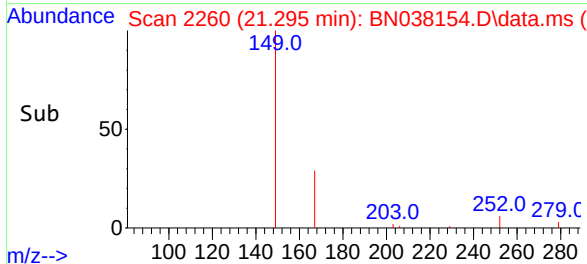
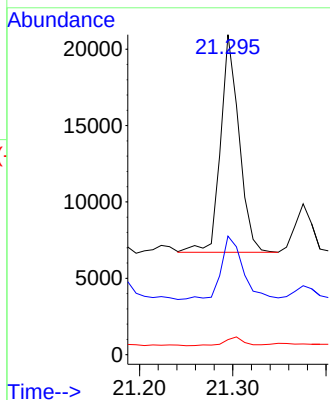
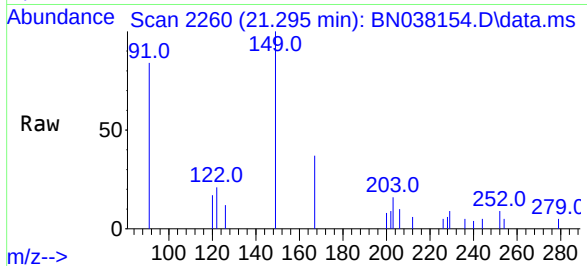




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.563 ng
RT: 21.295 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

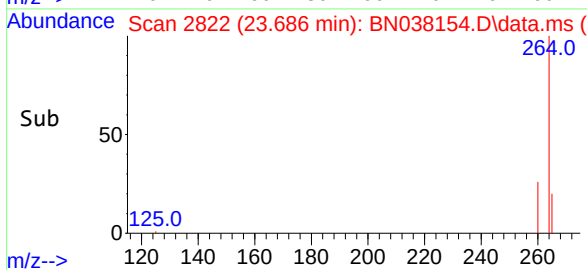
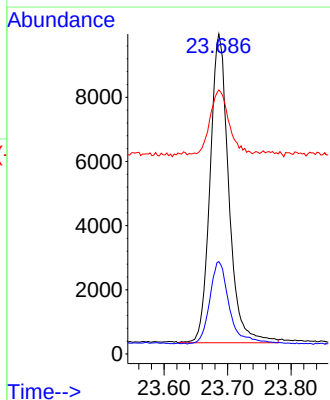
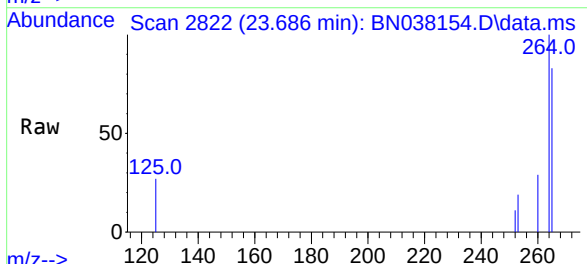
Instrument :
BNA_N
ClientSampleId :
MW-9

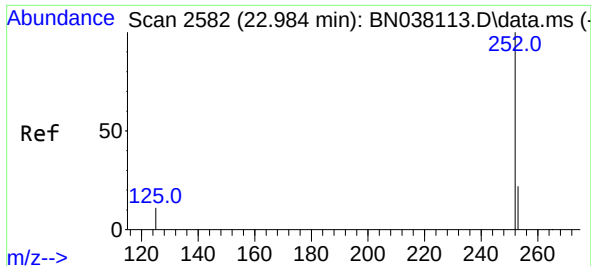
Tgt Ion:149 Resp: 19583
Ion Ratio Lower Upper
149 100
167 34.3 21.1 31.7#
279 4.0 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:264 Resp: 19674
Ion Ratio Lower Upper
264 100
260 28.9 21.8 32.8
265 82.5 68.6 102.8

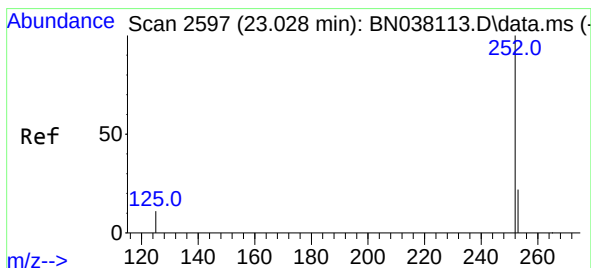
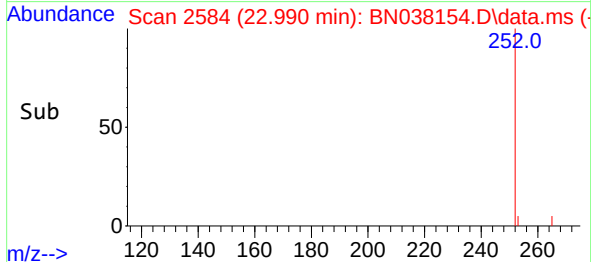
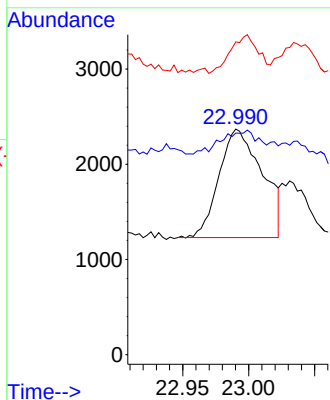
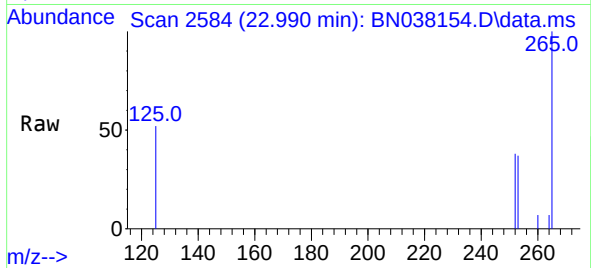




#37
Benzo(b)fluoranthene
Concen: 0.031 ng
RT: 22.990 min Scan# 2584
Delta R.T. 0.009 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

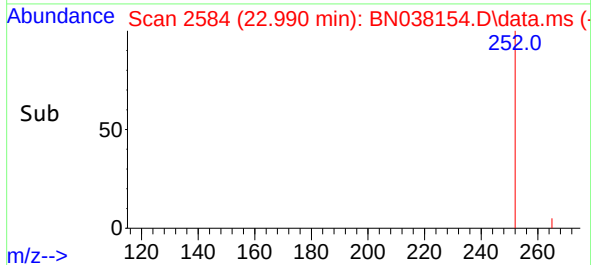
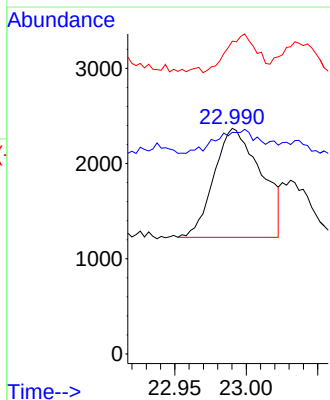
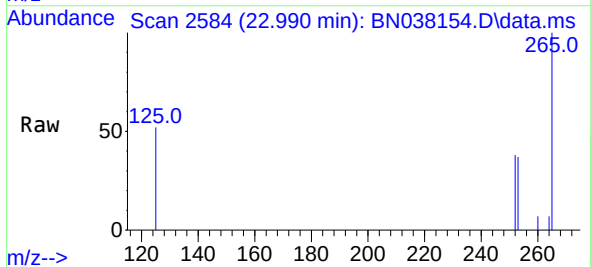
Instrument :
BNA_N
ClientSampleId :
MW-9

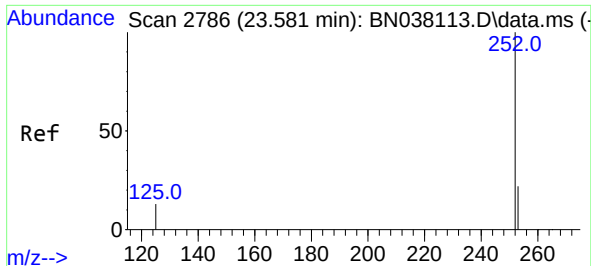
Tgt Ion:252 Resp: 2606
Ion Ratio Lower Upper
252 100
253 98.3 20.9 31.3#
125 138.6 14.1 21.1#



#38
Benzo(k)fluoranthene
Concen: 0.031 ng
RT: 22.990 min Scan# 2584
Delta R.T. -0.038 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:252 Resp: 2625
Ion Ratio Lower Upper
252 100
253 98.3 21.2 31.8#
125 138.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.031 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9

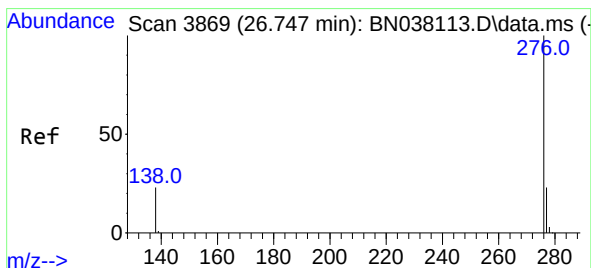
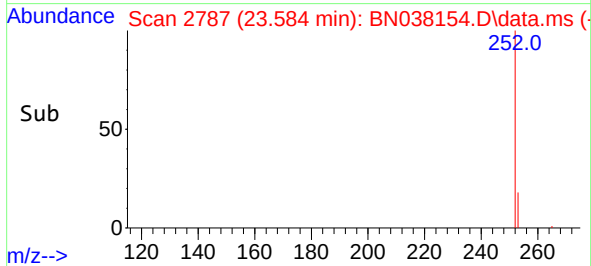
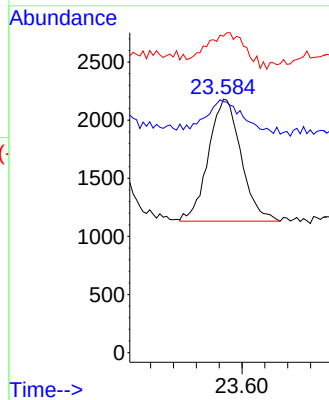
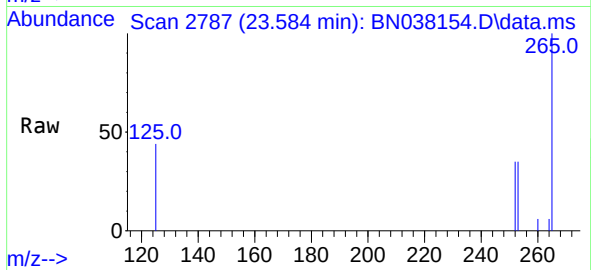
Tgt Ion:252 Resp: 2084

Ion Ratio Lower Upper

252 100

253 99.0 23.1 34.7#

125 124.9 18.6 28.0#



#41

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 26.759 min Scan# 3873

Delta R.T. 0.009 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Tgt Ion:276 Resp: 1815

Ion Ratio Lower Upper

276 100

277 50.4 19.7 29.5#

138 140.9 20.2 30.4#

