

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064337.D
 Acq On : 10 Sep 2025 18:07
 Operator : RC/JU
 Sample : Q3048-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 10 18:48:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

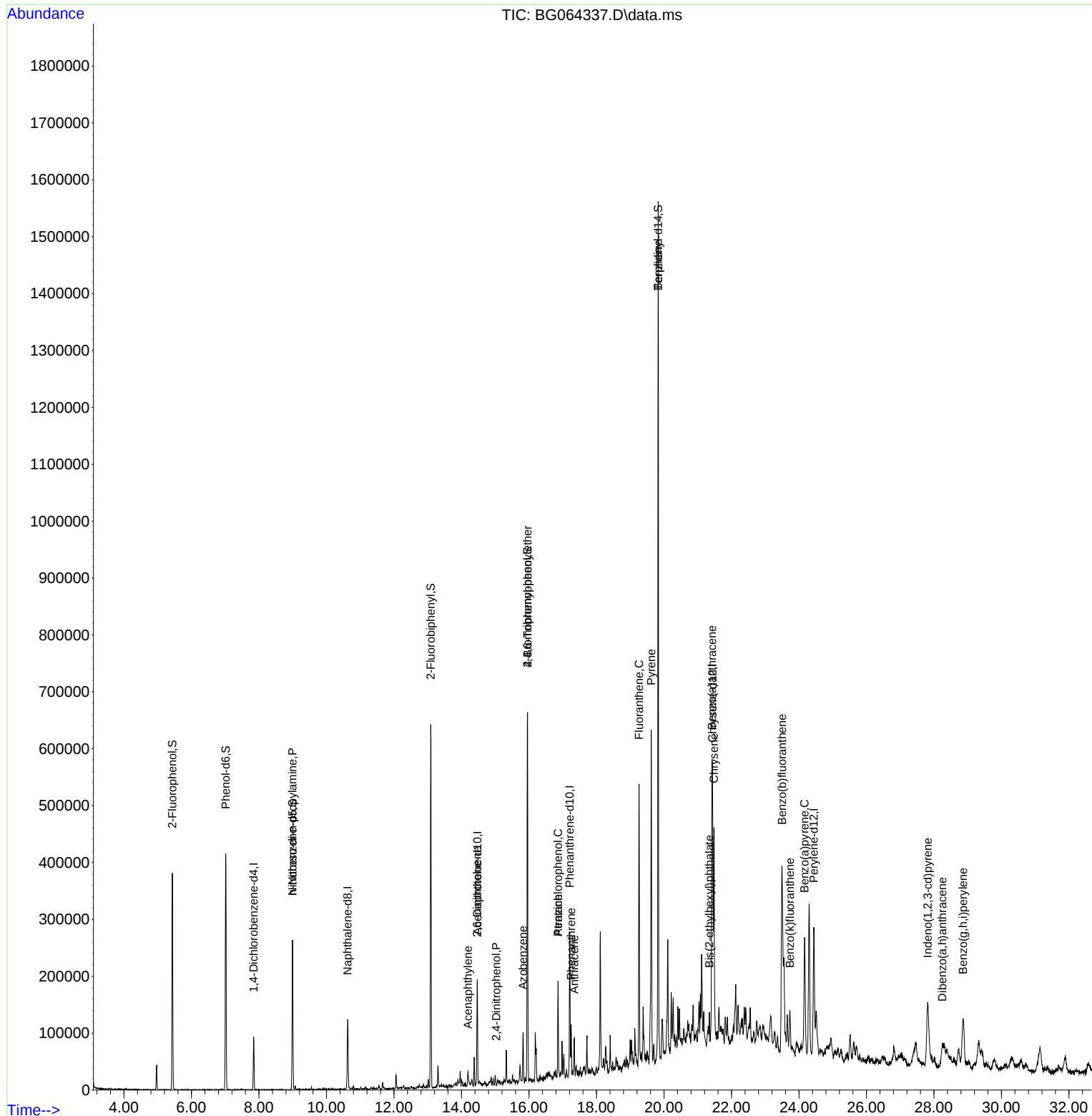
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	22908	20.000	ng	-0.02
21) Naphthalene-d8	10.627	136	92707	20.000	ng	#-0.02
39) Acenaphthene-d10	14.470	164	62743	20.000	ng	-0.01
64) Phenanthrene-d10	17.208	188	151015	20.000	ng	#-0.02
76) Chrysene-d12	21.438	240	183530	20.000	ng	#-0.02
86) Perylene-d12	24.440	264	211875	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	136795	107.134	ng	-0.01
7) Phenol-d6	7.014	99	187278	106.761	ng	-0.02
23) Nitrobenzene-d5	8.994	82	133463	80.288	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	118682	142.808	ng	-0.02
45) 2-Fluorobiphenyl	13.089	172	311356	75.744	ng	-0.02
79) Terphenyl-d14	19.828	244	654521	74.405	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.994	70	20159	15.016	ng	# 77
49) Acenaphthylene	14.188	152	20920	4.119	ng	# 90
51) 2,6-Dinitrotoluene	14.464	165	8552	9.302	ng	# 18
54) 2,4-Dinitrophenol	15.034	184	55	5.736	ng	# 12
63) Azobenzene	15.821	77	22234	4.908	ng	# 14
67) 4-Bromophenyl-phenylether	15.956	248	8173	5.095	ng	# 1
69) Atrazine	16.861	200	5694	3.283	ng	# 41
70) Pentachlorophenol	16.861	266	28281	26.186	ng	91
71) Phenanthrene	17.249	178	51236	6.433	ng	95
72) Anthracene	17.343	178	43702	5.394	ng	96
75) Fluoranthene	19.264	202	300292	32.064	ng	96
77) Benzidine	19.828	184	14711	3.810	ng	# 91
78) Pyrene	19.622	202	361317	31.249	ng	100
81) Benzo(a)anthracene	21.420	228	264098	22.493	ng	95
83) Chrysene	21.479	228	278292	24.688	ng	98
84) Bis(2-ethylhexyl)phtha...	21.344	149	20117	3.072	ng	# 94
87) Indeno(1,2,3-cd)pyrene	27.813	276	176049	12.167	ng	# 79
88) Benzo(b)fluoranthene	23.500	252	392654	32.836	ng	98
89) Benzo(k)fluoranthene	23.735	252	67934	5.576	ng	95
90) Benzo(a)pyrene	24.164	252	208002	18.699	ng	100
91) Dibenzo(a,h)anthracene	28.248	278	35860	3.087	ng	95
92) Benzo(g,h,i)perylene	28.859	276	166060	14.690	ng	# 92

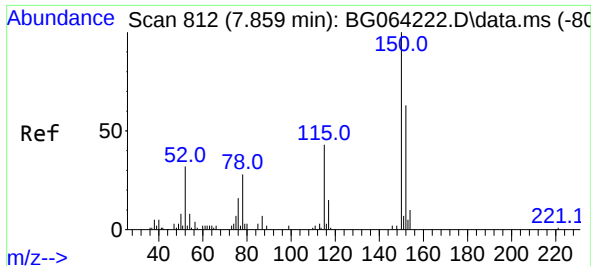
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
Data File : BG064337.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

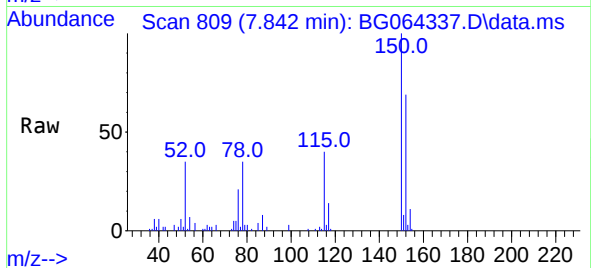
Quant Time: Sep 10 18:48:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration



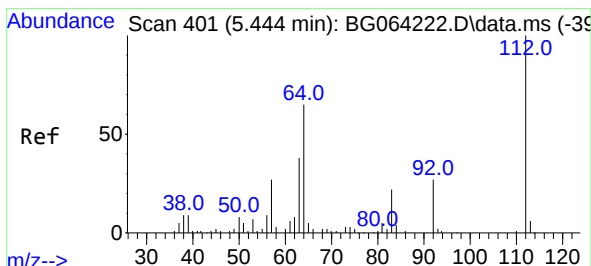
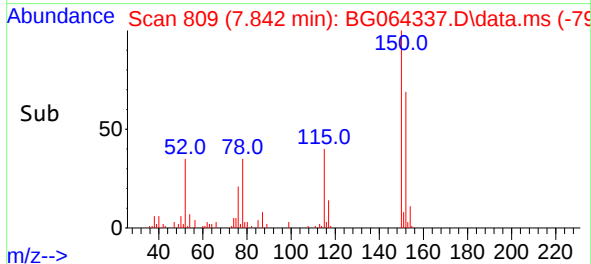
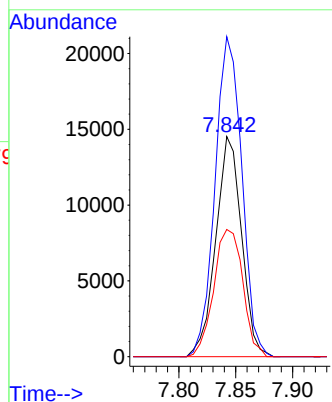


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

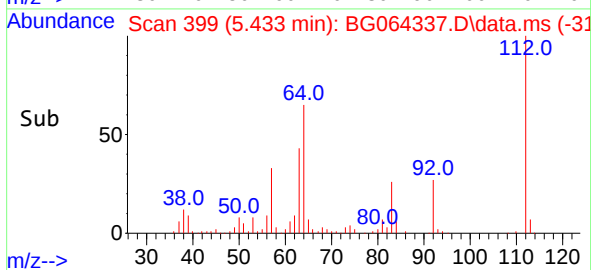
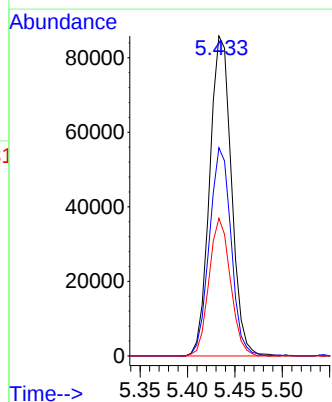
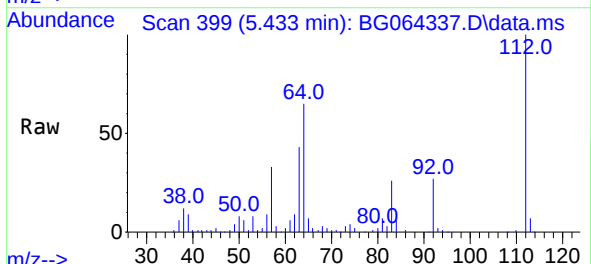


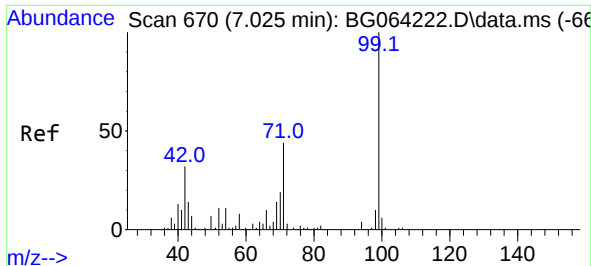
Tgt Ion:152 Resp: 22908
Ion Ratio Lower Upper
152 100
150 145.3 128.0 192.0
115 57.8 55.7 83.5



#5
2-Fluorophenol
Concen: 107.134 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.011 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

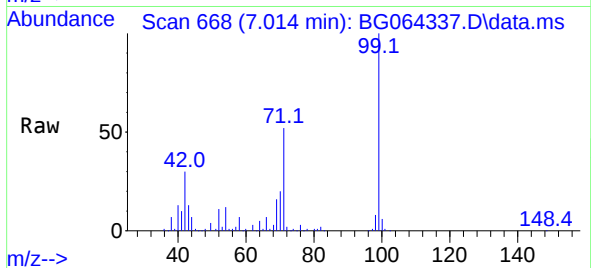
Tgt Ion:112 Resp: 136795
Ion Ratio Lower Upper
112 100
64 65.1 51.8 77.6
63 43.0 30.6 45.8



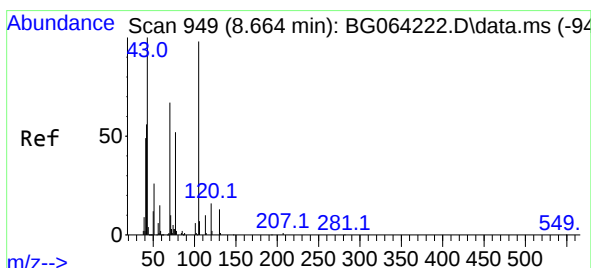
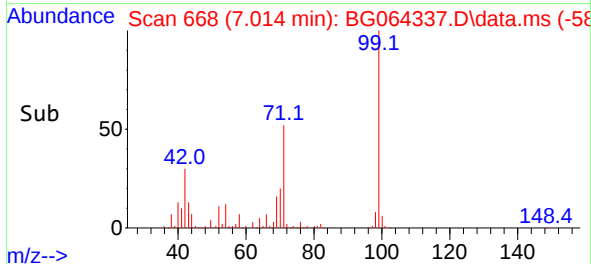
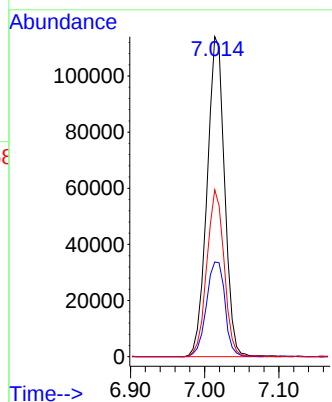


#7
Phenol-d6
Concen: 106.761 ng
RT: 7.014 min Scan# 6
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

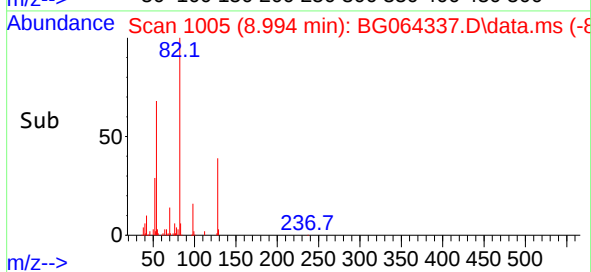
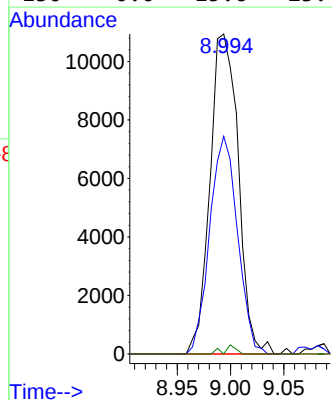
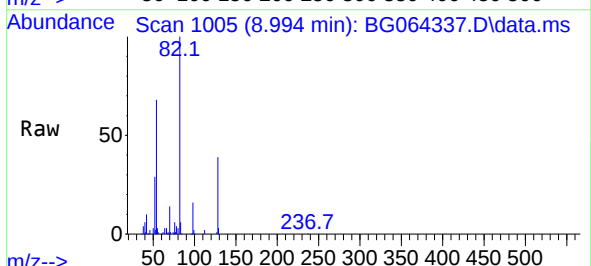


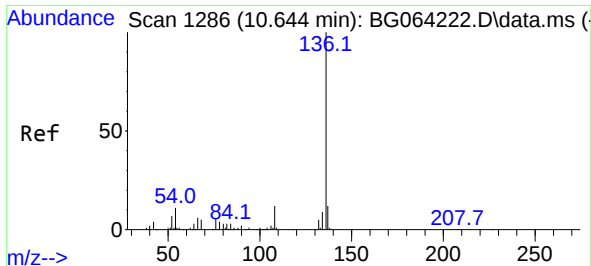
Tgt Ion:	99	Resp:	187278
Ion	Ratio	Lower	Upper
99	100		
42	29.6	25.8	38.8
71	52.1	35.2	52.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.016 ng
RT: 8.994 min Scan# 1005
Delta R.T. 0.330 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

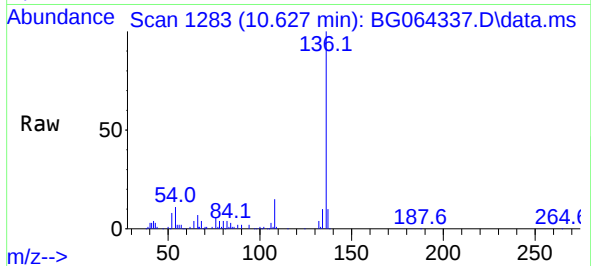
Tgt Ion:	70	Resp:	20159
Ion	Ratio	Lower	Upper
70	100		
42	68.0	67.9	101.9
101	0.0	7.3	10.9#
130	0.0	15.6	23.4#



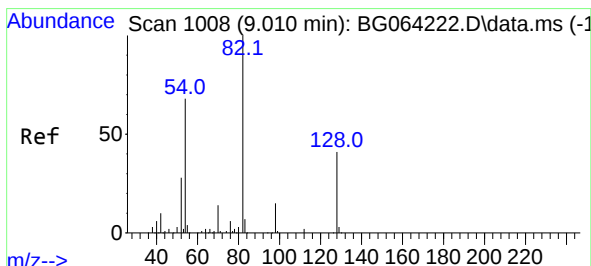
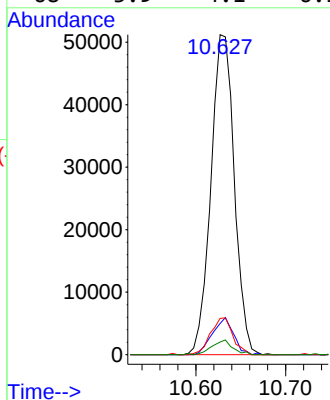
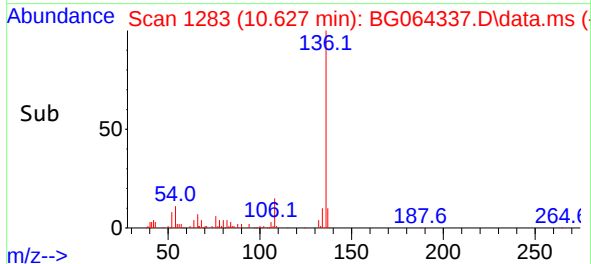


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.627 min Scan# 11
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

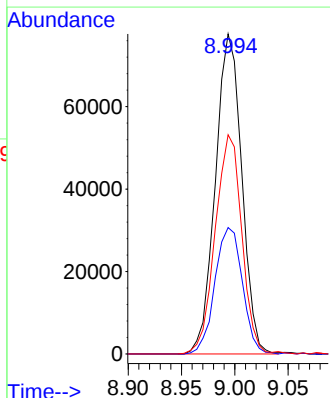
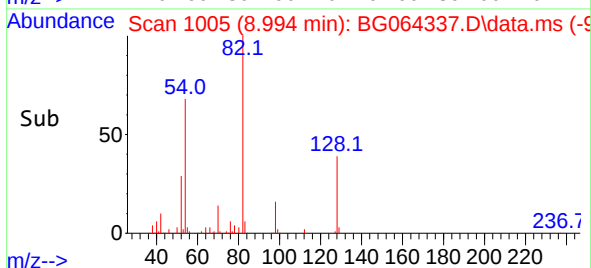
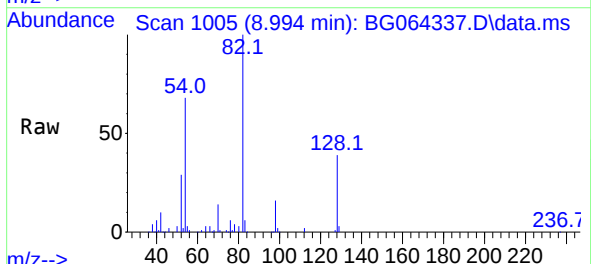


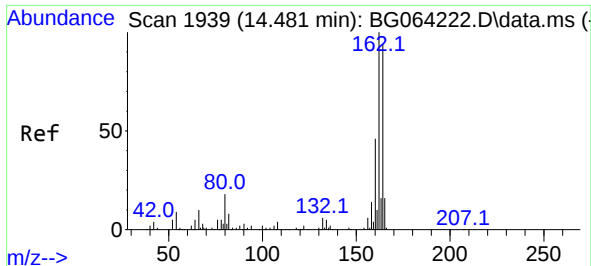
Tgt Ion:136 Resp: 92707
Ion Ratio Lower Upper
136 100
137 9.7 9.6 14.4
54 11.4 8.8 13.2
68 3.9 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 80.288 ng
RT: 8.994 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

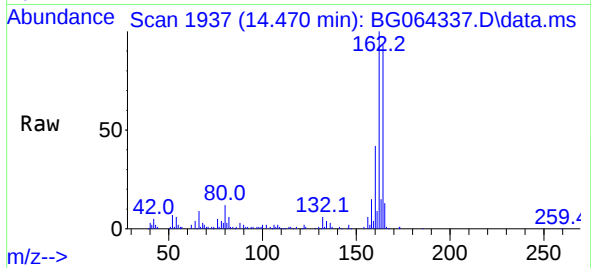
Tgt Ion: 82 Resp: 133463
Ion Ratio Lower Upper
82 100
128 39.5 32.6 48.8
54 68.5 54.7 82.1



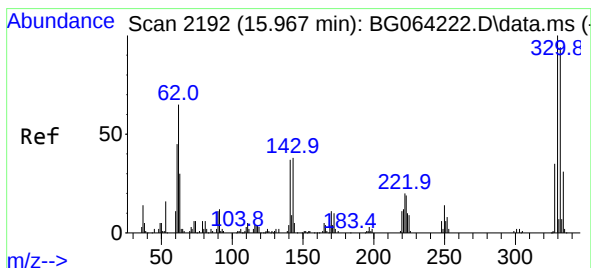
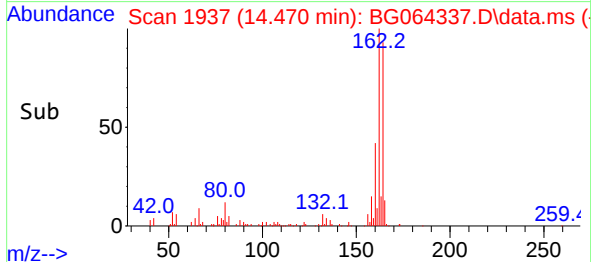
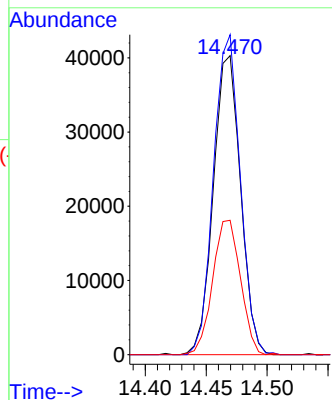


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.470 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

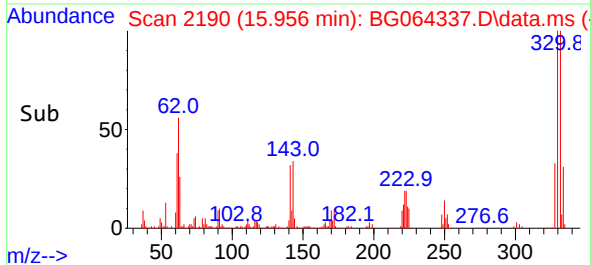
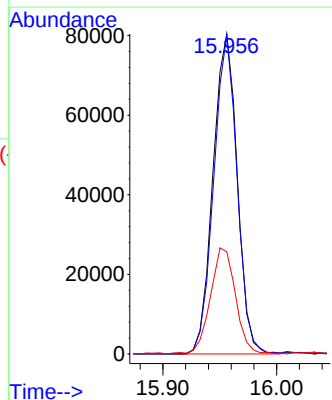
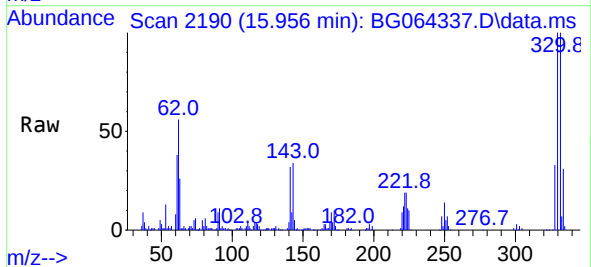


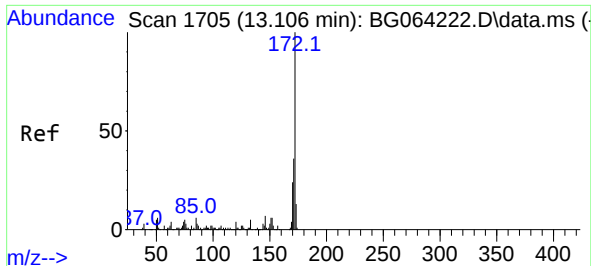
Tgt Ion:164 Resp: 62743
Ion Ratio Lower Upper
164 100
162 107.0 85.4 128.0
160 44.9 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 142.808 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:330 Resp: 118682
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 34.7 29.8 44.6

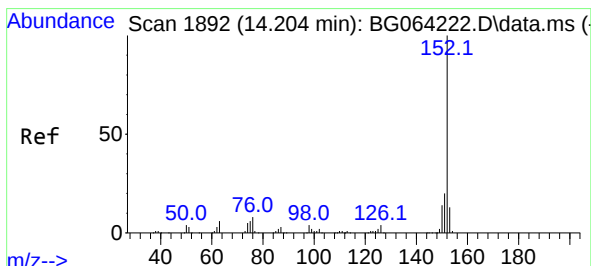
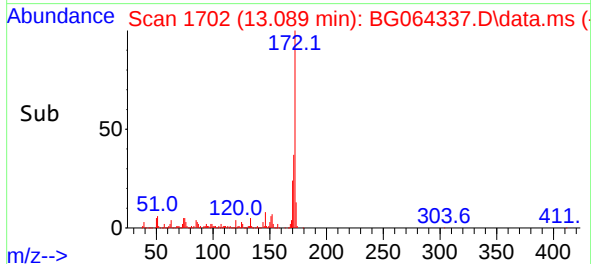
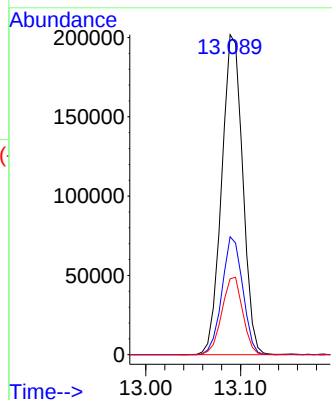
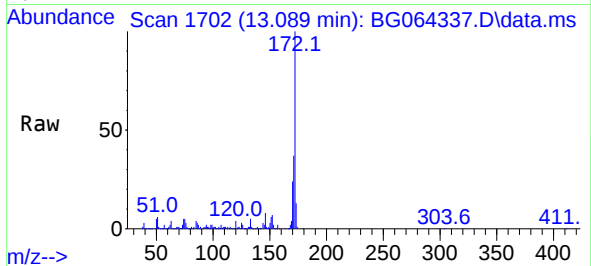




#45
2-Fluorobiphenyl
Concen: 75.744 ng
RT: 13.089 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

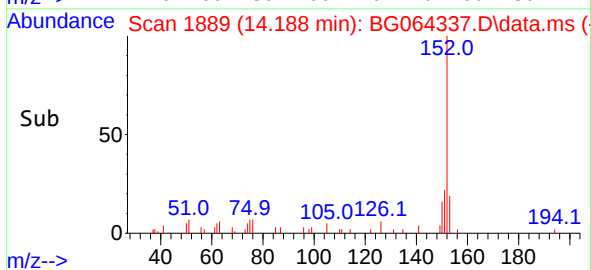
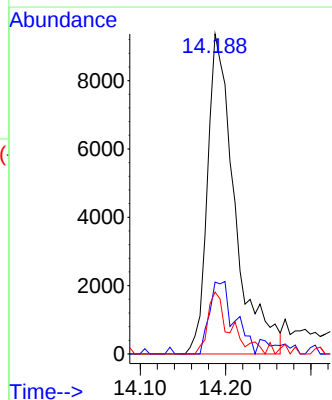
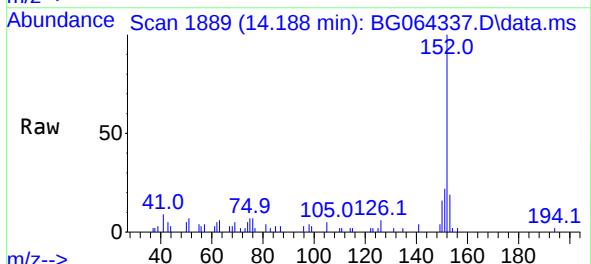
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BNA_G
ClientSampleId :

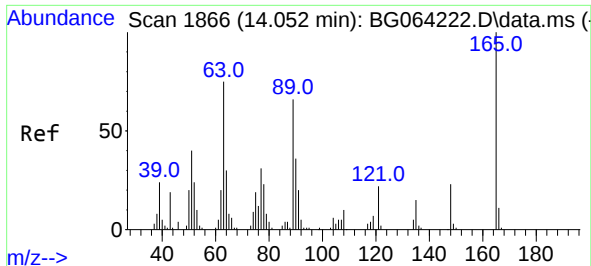
Tgt Ion:172 Resp: 311356
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 23.7 19.0 28.6



#49
Acenaphthylene
Concen: 4.119 ng
RT: 14.188 min Scan# 1889
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

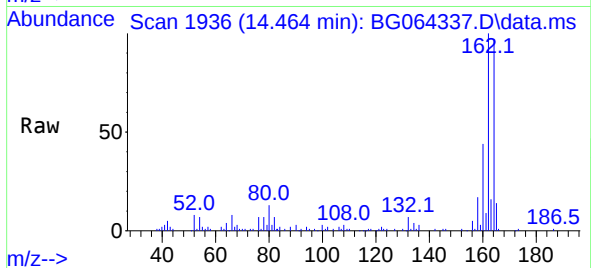
Tgt Ion:152 Resp: 20920
Ion Ratio Lower Upper
152 100
151 22.5 16.2 24.2
153 19.4 10.1 15.1#



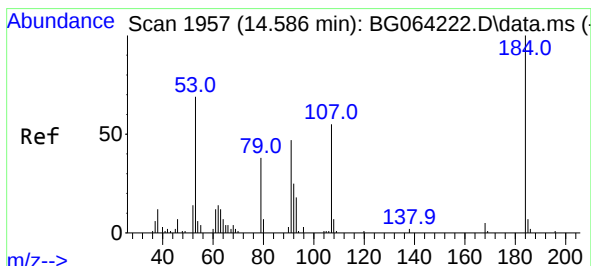
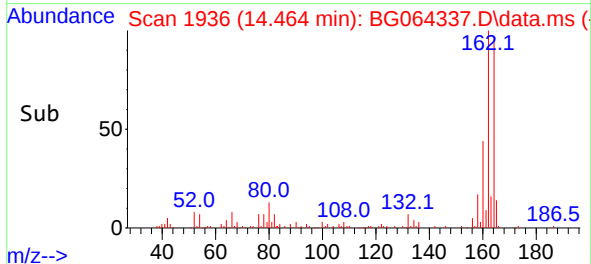
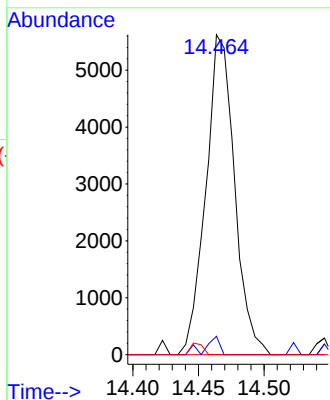


#51
2,6-Dinitrotoluene
Concen: 9.302 ng
RT: 14.464 min Scan# 1936
Delta R.T. 0.406 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

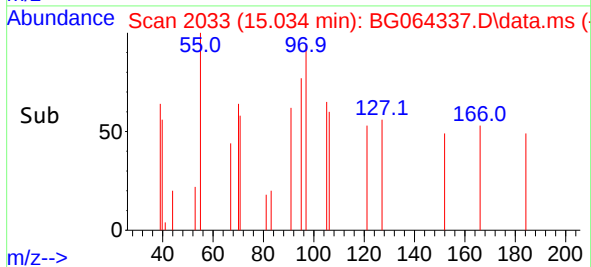
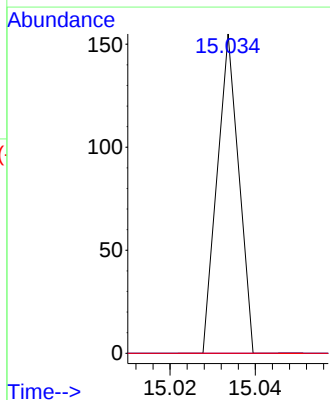
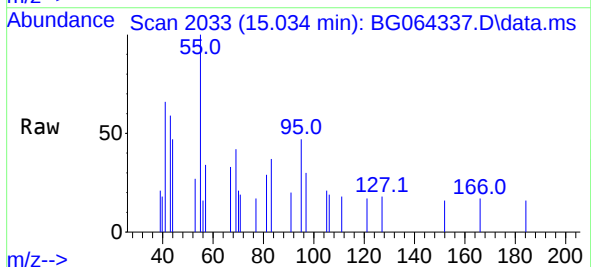


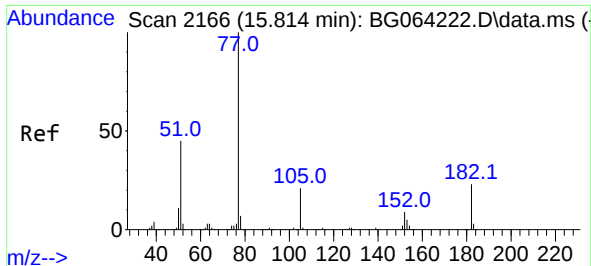
Tgt Ion:165 Resp: 8552
Ion Ratio Lower Upper
165 100
63 5.7 60.3 90.5#
89 0.0 52.9 79.3#



#54
2,4-Dinitrophenol
Concen: 5.736 ng
RT: 15.034 min Scan# 2033
Delta R.T. 0.442 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#

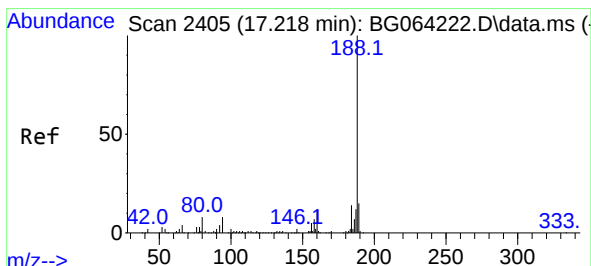
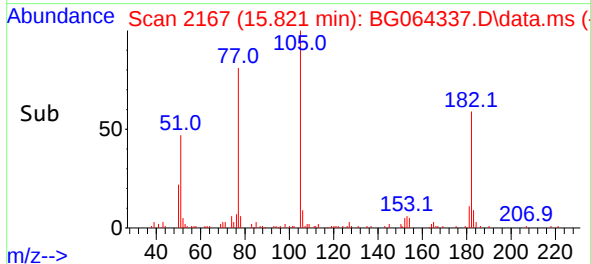
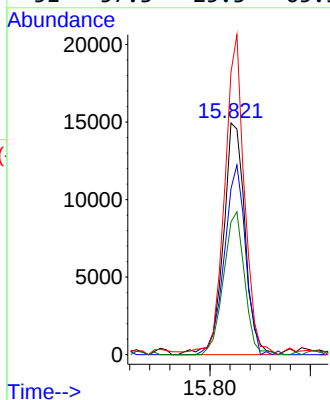
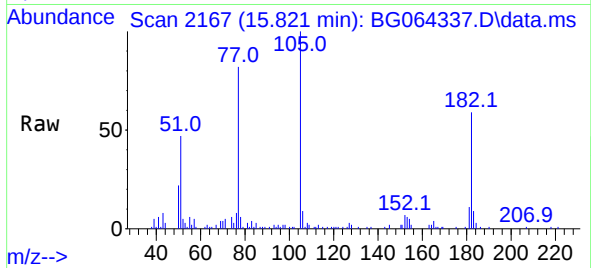




#63
Azobenzene
Concen: 4.908 ng
RT: 15.821 min Scan# 2166
Delta R.T. 0.001 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

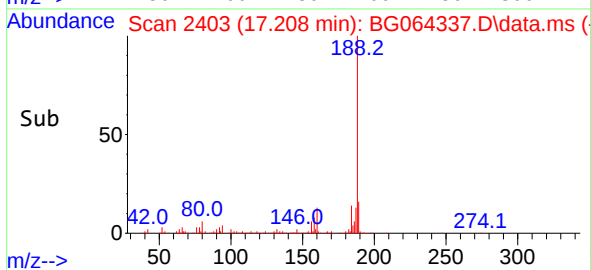
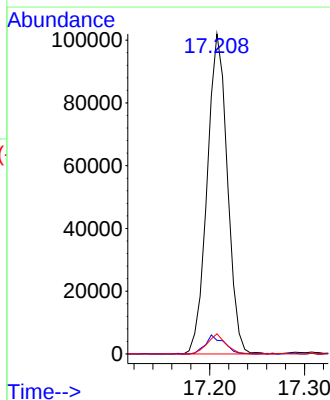
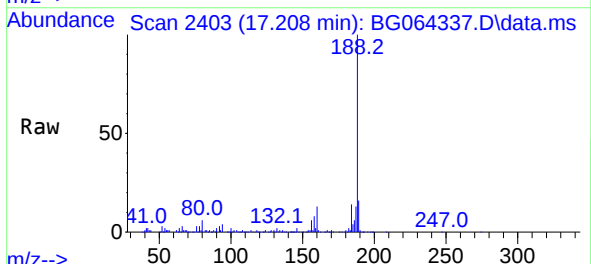
Instrument :
BNA_G
ClientSampleId :

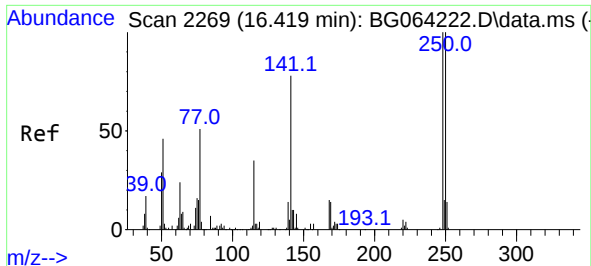
Tgt Ion: 77	Resp: 22234
Ion Ratio	Lower Upper
77	100
182	71.7 3.3 43.3#
105	121.9 0.6 40.6#
51	57.3 25.3 65.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.208 min Scan# 2403
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

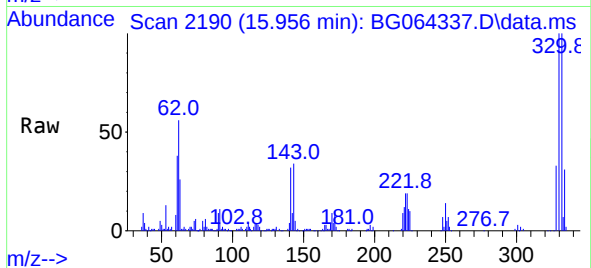
Tgt Ion: 188	Resp: 151015
Ion Ratio	Lower Upper
188	100
94	4.3 6.2 9.4#
80	6.3 6.8 10.2#



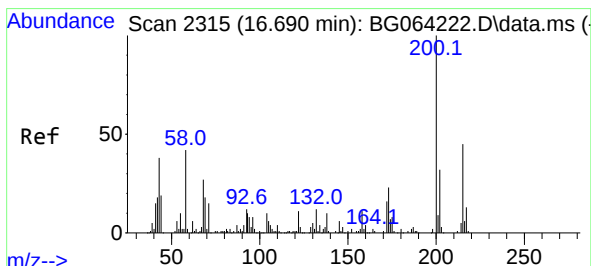
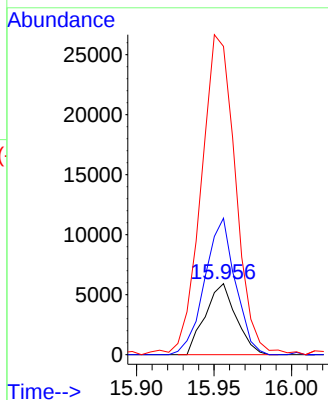
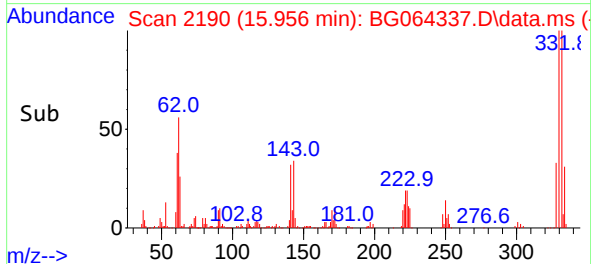


#67
4-Bromophenyl-phenylether
Concen: 5.095 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.464 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

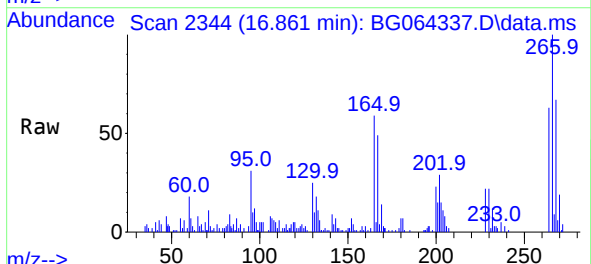
Instrument :
BNA_G
ClientSampleId :



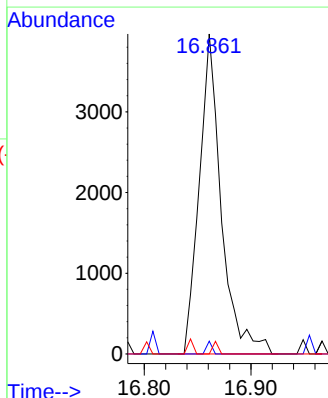
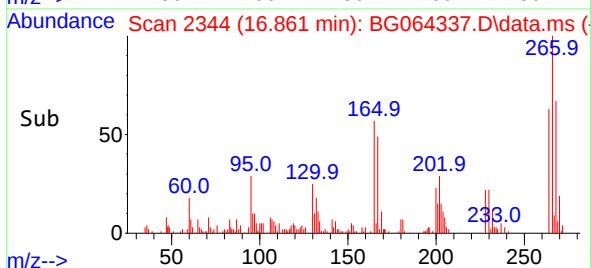
Tgt Ion:248 Resp: 8173
Ion Ratio Lower Upper
248 100
250 192.1 80.2 120.4#
141 434.0 62.4 93.6#

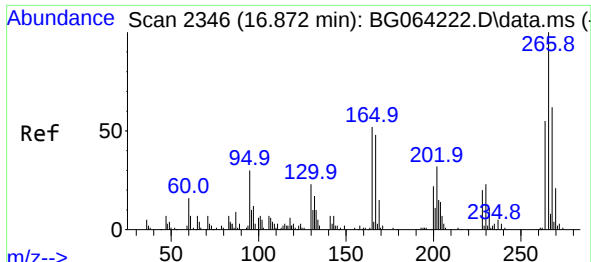


#69
Atrazine
Concen: 3.283 ng
RT: 16.861 min Scan# 2344
Delta R.T. 0.165 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07



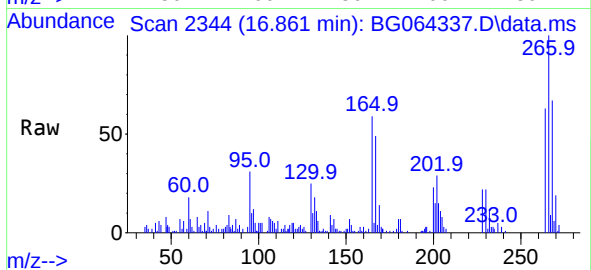
Tgt Ion:200 Resp: 5694
Ion Ratio Lower Upper
200 100
173 4.0 3.5 43.5
215 0.0 24.8 64.8#



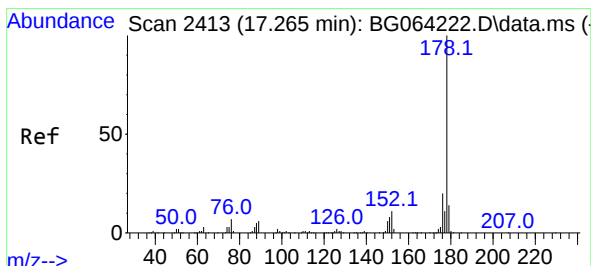
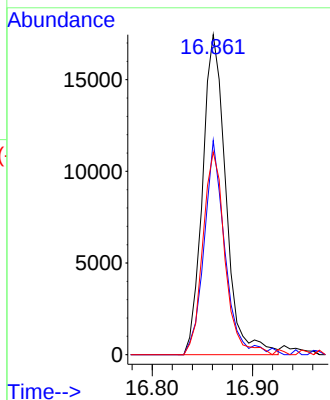
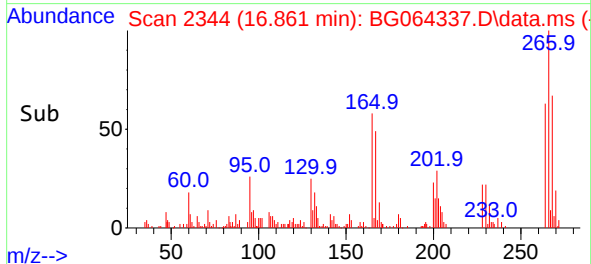


#70
Pentachlorophenol
Concen: 26.186 ng
RT: 16.861 min Scan# 21
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

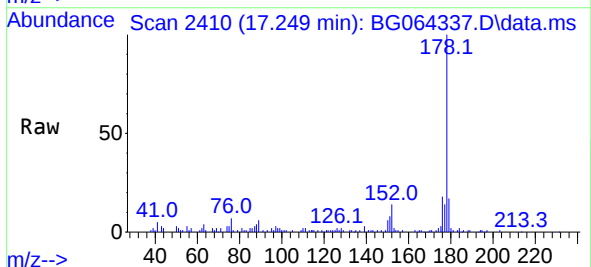
Instrument :
BNA_G
ClientSampleId :



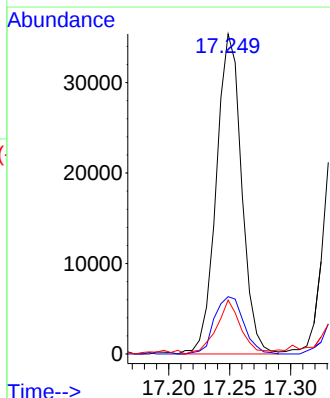
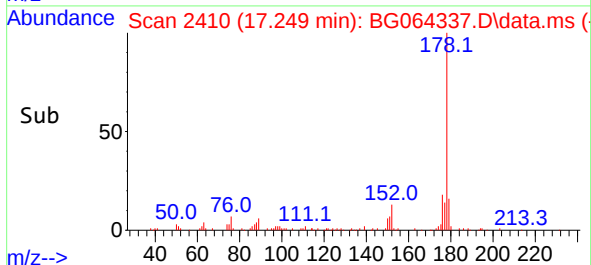
Tgt Ion:266 Resp: 28281
Ion Ratio Lower Upper
266 100
268 66.9 49.4 74.0
264 63.3 44.3 66.5

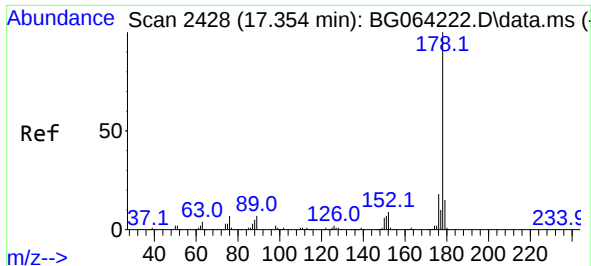


#71
Phenanthrene
Concen: 6.433 ng
RT: 17.249 min Scan# 2410
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07



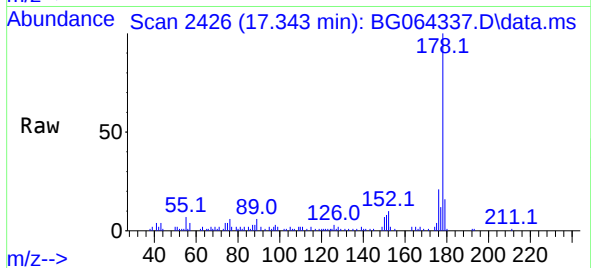
Tgt Ion:178 Resp: 51236
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 16.8 11.4 17.2



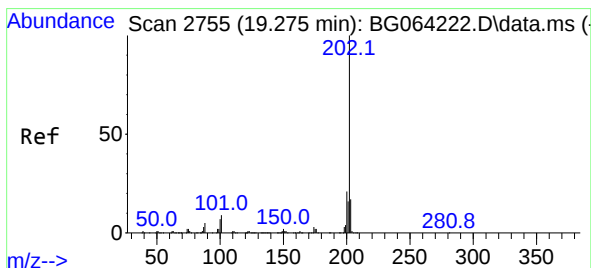
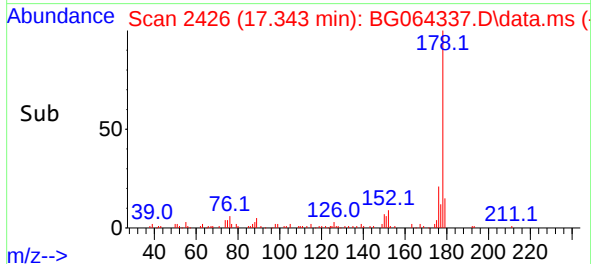
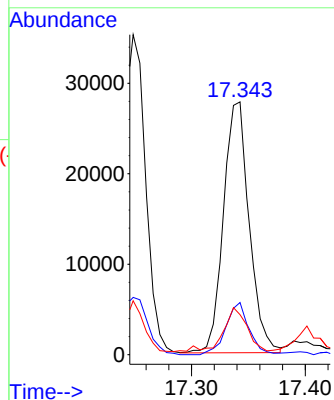


#72
Anthracene
Concen: 5.394 ng
RT: 17.343 min Scan# 2428
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

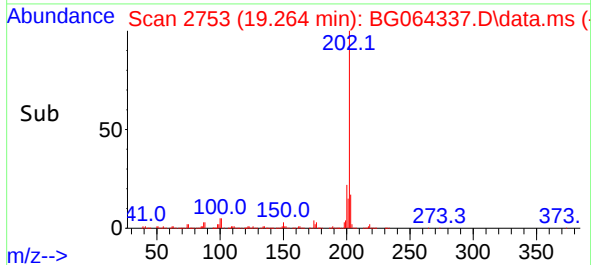
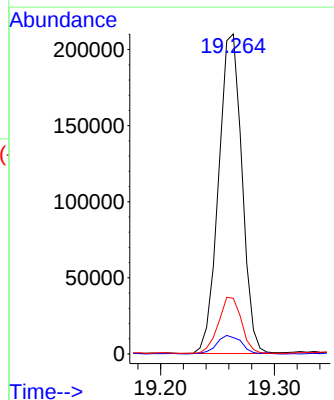
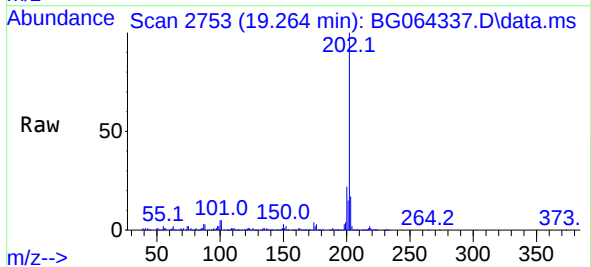


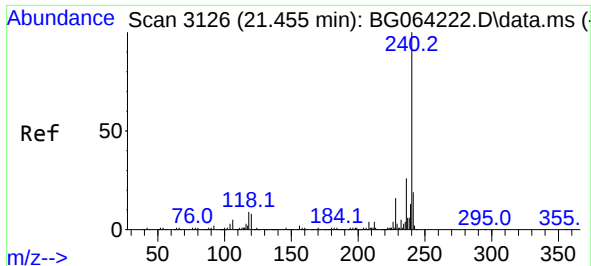
Tgt Ion:178 Resp: 43702
Ion Ratio Lower Upper
178 100
176 20.6 14.7 22.1
179 15.8 12.1 18.1



#75
Fluoranthene
Concen: 32.064 ng
RT: 19.264 min Scan# 2753
Delta R.T. -0.011 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:202 Resp: 300292
Ion Ratio Lower Upper
202 100
101 5.1 0.0 28.7
203 17.4 0.0 36.9

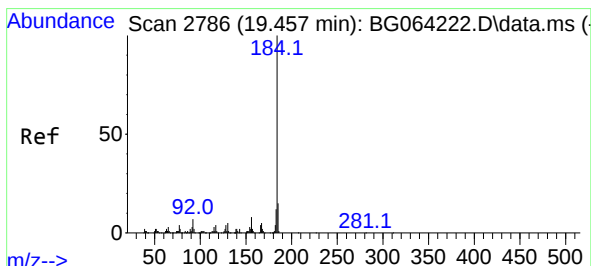
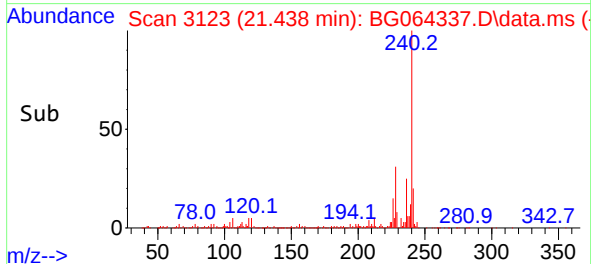
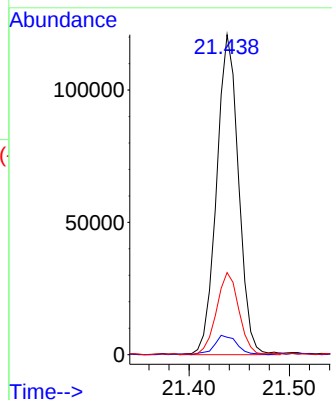
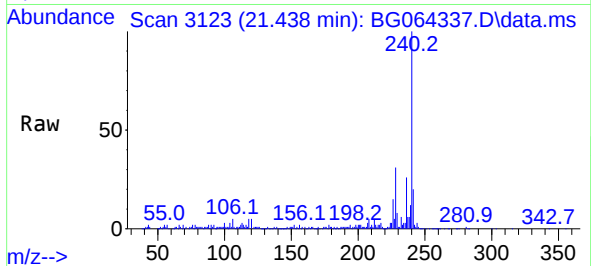




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.438 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

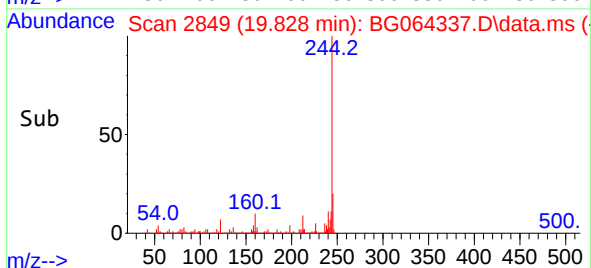
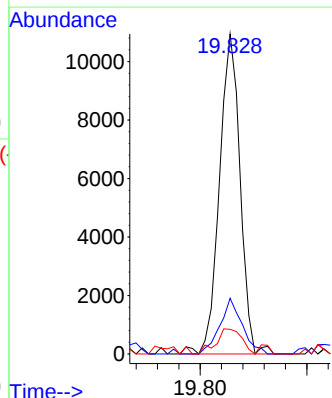
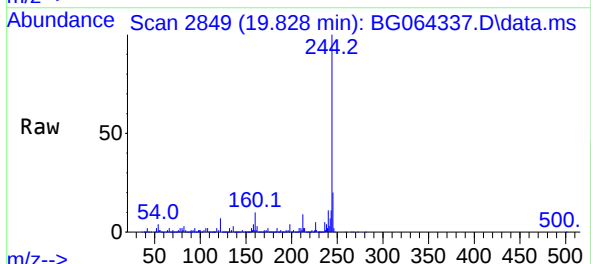
Instrument :
BNA_G
ClientSampleId :

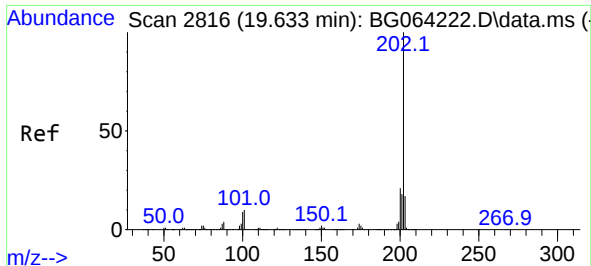
Tgt Ion:240 Resp: 183530
Ion Ratio Lower Upper
240 100
120 5.5 6.2 9.4#
236 25.7 20.5 30.7



#77
Benzidine
Concen: 3.810 ng
RT: 19.828 min Scan# 2849
Delta R.T. 0.371 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:184 Resp: 14711
Ion Ratio Lower Upper
184 100
185 17.4 11.7 17.5
183 7.7 9.7 14.5#

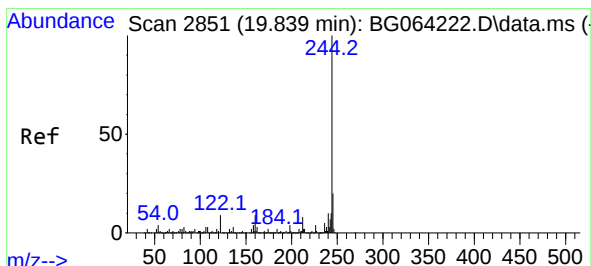
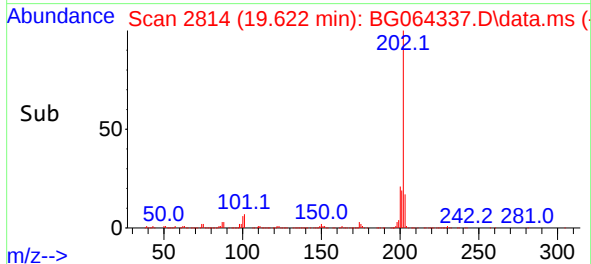
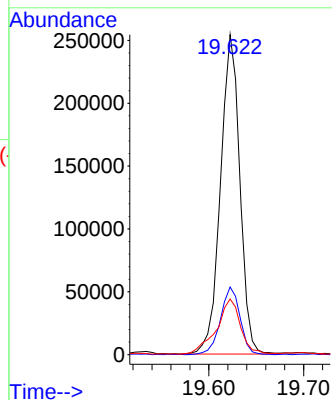
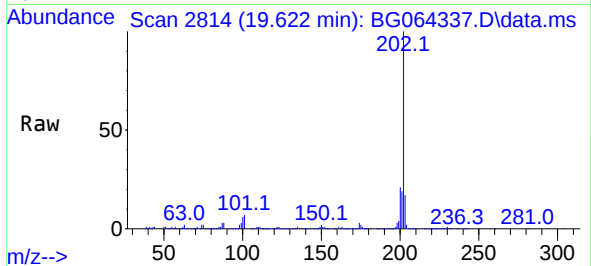




#78
Pyrene
Concen: 31.249 ng
RT: 19.622 min Scan# 2816
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

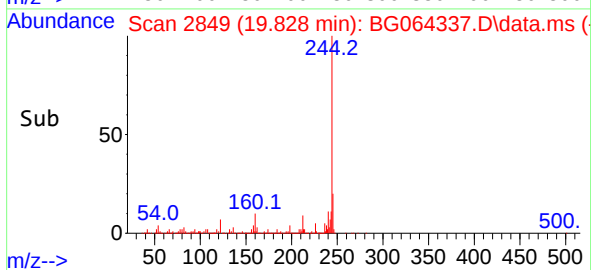
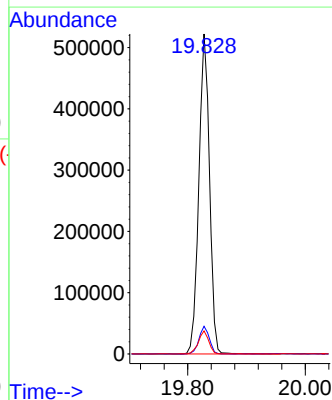
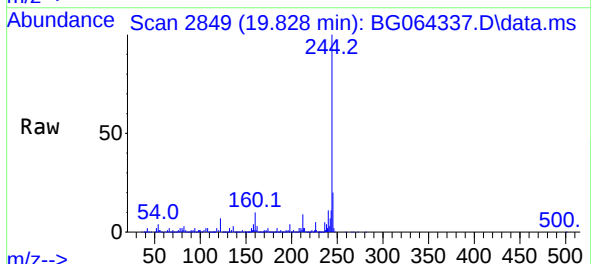
Instrument :
BNA_G
ClientSampleId :

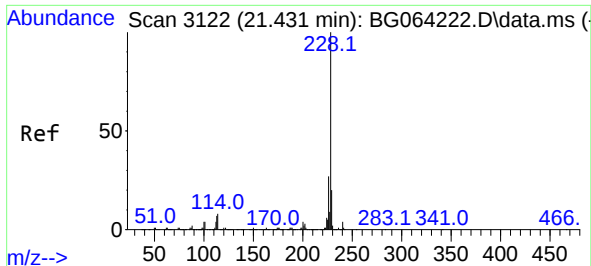
Tgt Ion:202 Resp: 361317
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.4 13.8 20.8



#79
Terphenyl-d14
Concen: 74.405 ng
RT: 19.828 min Scan# 2849
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

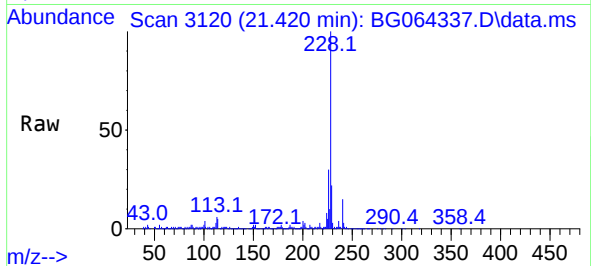
Tgt Ion:244 Resp: 654521
Ion Ratio Lower Upper
244 100
212 8.6 6.6 10.0
122 7.2 7.0 10.6



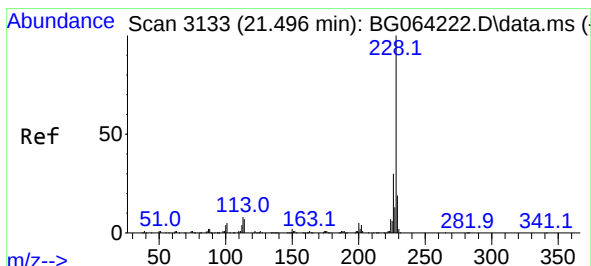
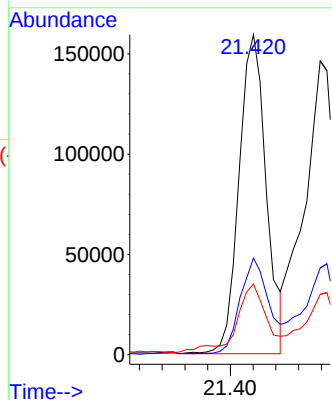


#81
Benzo(a)anthracene
Concen: 22.493 ng
RT: 21.420 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

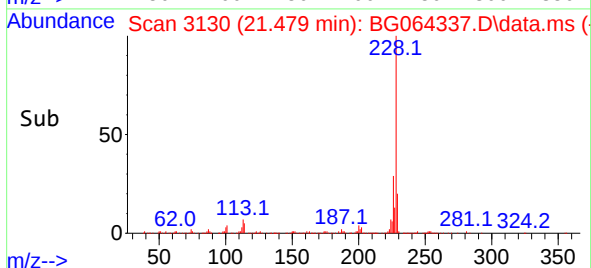
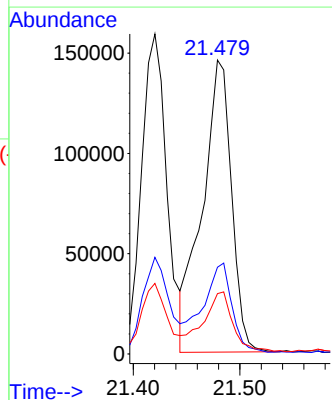
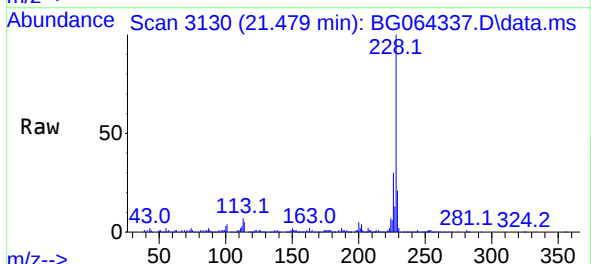


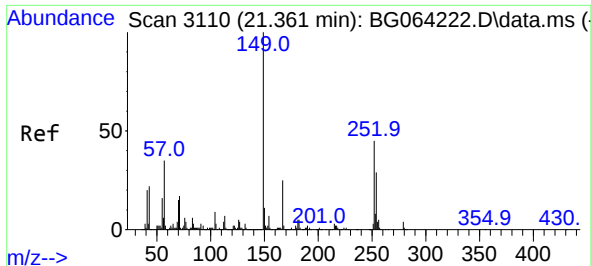
Tgt Ion:228 Resp: 264098
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 22.0 15.9 23.9



#83
Chrysene
Concen: 24.688 ng
RT: 21.479 min Scan# 3130
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:228 Resp: 278292
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 20.5 15.4 23.2

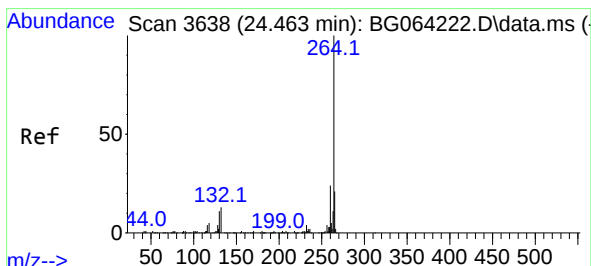
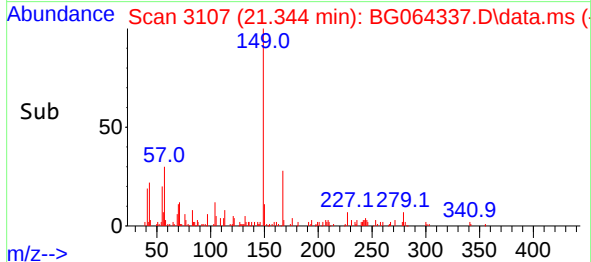
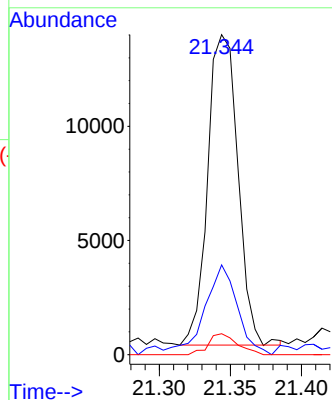
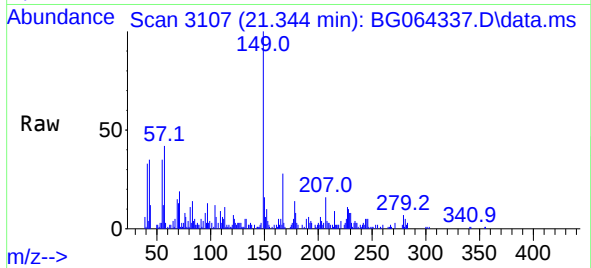




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.072 ng
RT: 21.344 min Scan# 3110
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

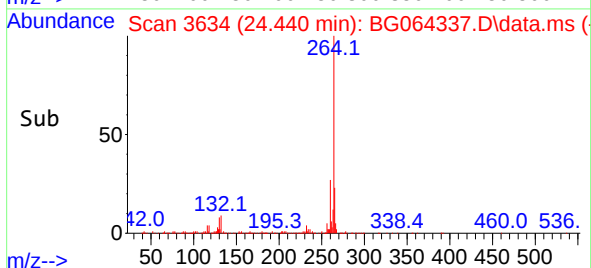
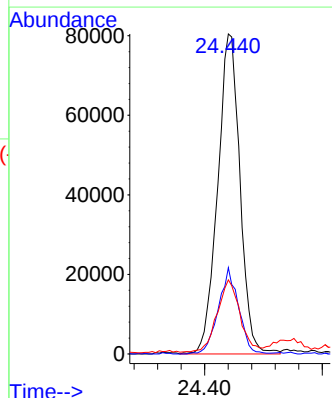
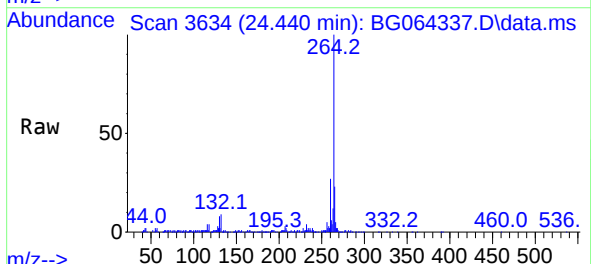
Instrument :
BNA_G
ClientSampleId :

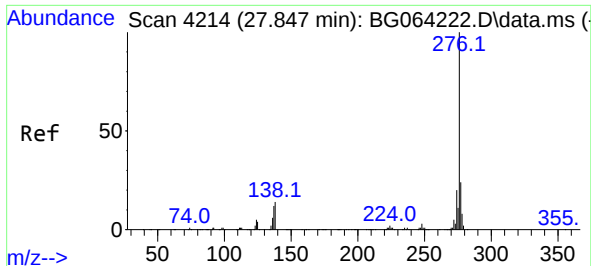
Tgt Ion:149 Resp: 20117
Ion Ratio Lower Upper
149 100
167 28.0 20.0 30.0
279 6.5 3.0 4.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.440 min Scan# 3634
Delta R.T. -0.023 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

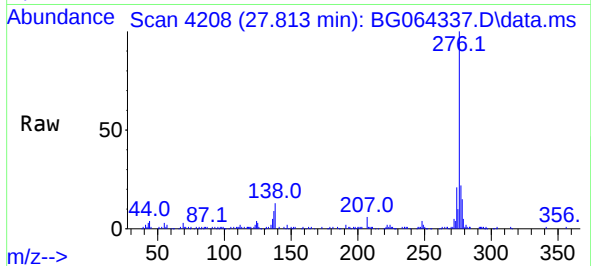
Tgt Ion:264 Resp: 211875
Ion Ratio Lower Upper
264 100
260 26.9 18.9 28.3
265 23.2 16.7 25.1



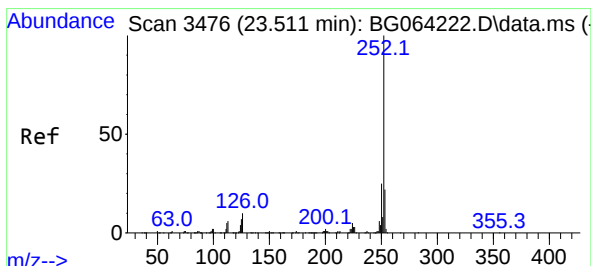
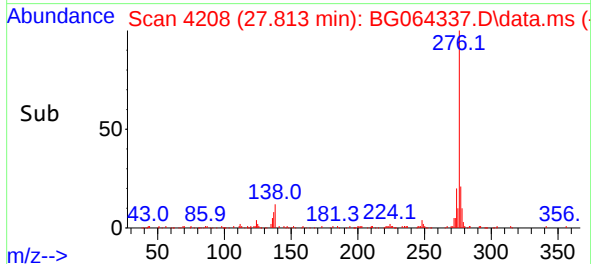
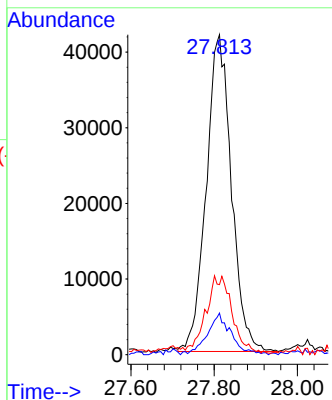


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.167 ng
 RT: 27.813 min Scan# 41
 Delta R.T. -0.058 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07

Instrument :
 BNA_G
 ClientSampleId :

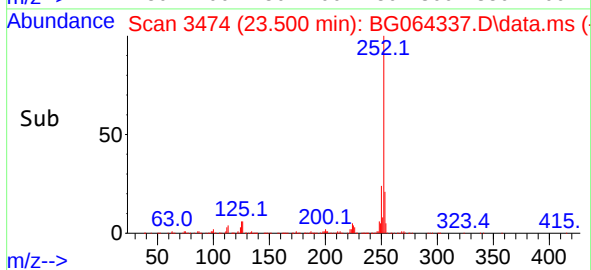
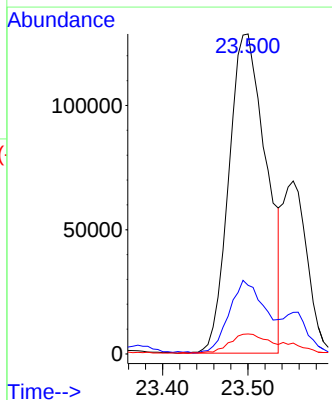
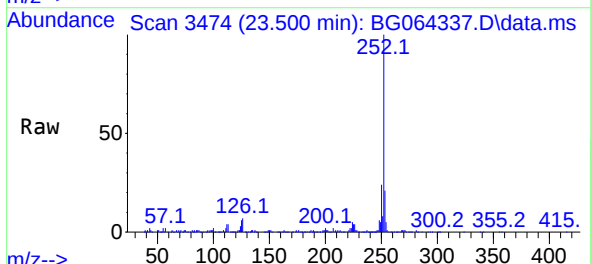


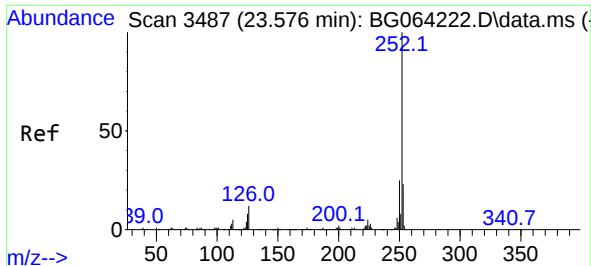
Tgt Ion:276 Resp: 176049
 Ion Ratio Lower Upper
 276 100
 138 12.4 7.4 11.0#
 277 12.6 20.5 30.7#



#88
 Benzo(b)fluoranthene
 Concen: 32.836 ng
 RT: 23.500 min Scan# 3474
 Delta R.T. -0.017 min
 Lab File: BG064337.D
 Acq: 10 Sep 2025 18:07

Tgt Ion:252 Resp: 392654
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.5 26.3
 125 6.3 5.9 8.9

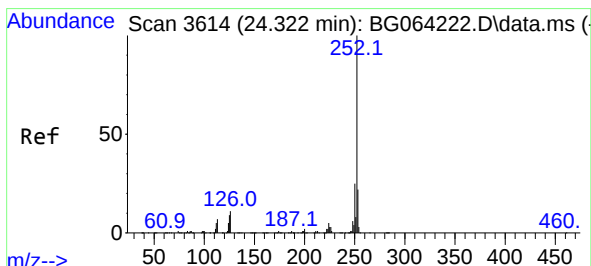
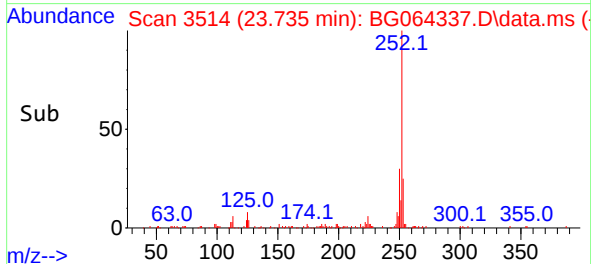
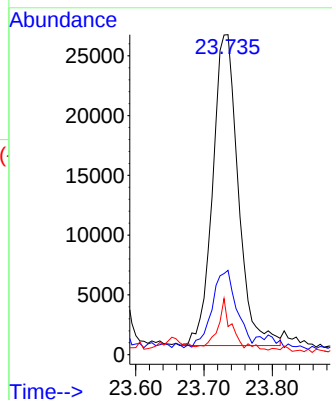
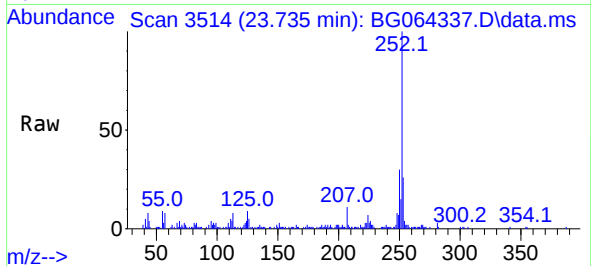




#89
Benzo(k)fluoranthene
Concen: 5.576 ng
RT: 23.735 min Scan# 31
Delta R.T. 0.147 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

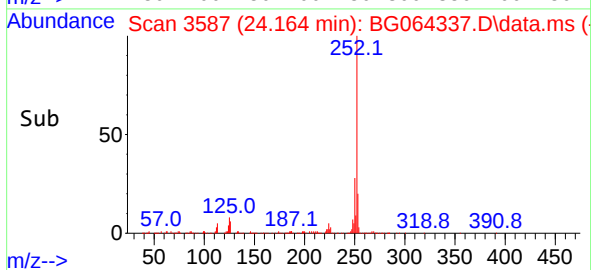
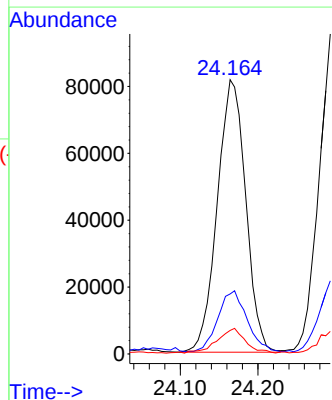
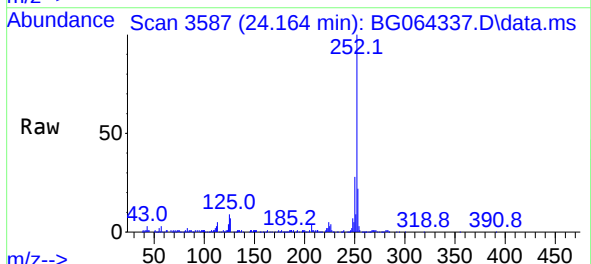
Instrument :
BNA_G
ClientSampleId :

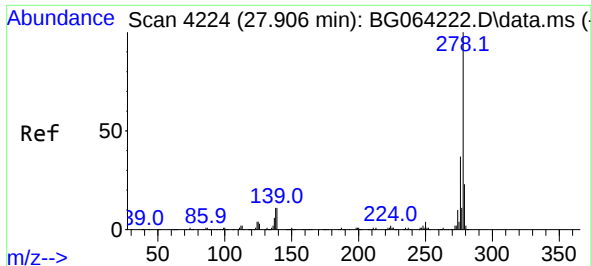
Tgt Ion:252 Resp: 67934
Ion Ratio Lower Upper
252 100
253 26.3 18.2 27.4
125 8.8 7.0 10.4



#90
Benzo(a)pyrene
Concen: 18.699 ng
RT: 24.164 min Scan# 3587
Delta R.T. -0.164 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:252 Resp: 208002
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 8.6 7.0 10.6

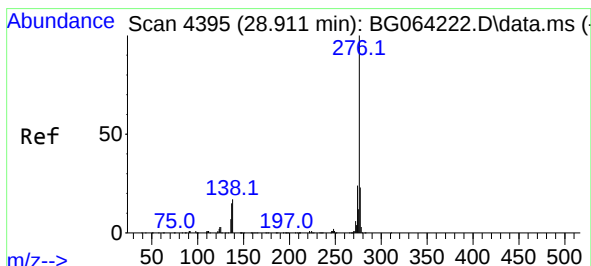
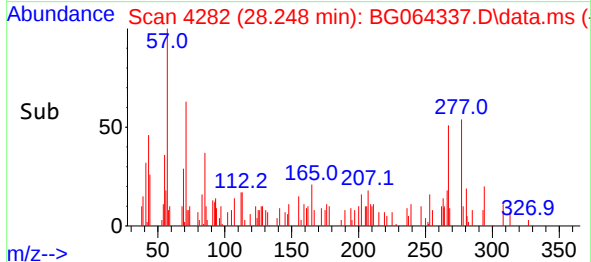
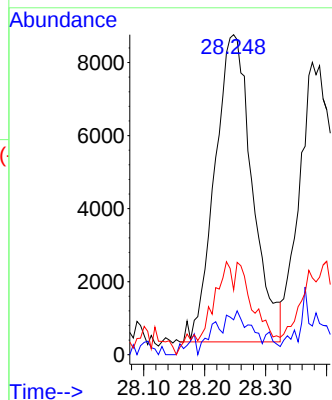
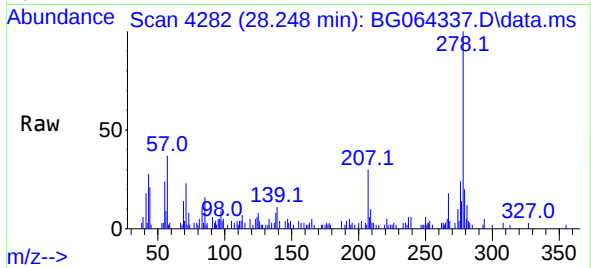




#91
Dibenzo(a,h)anthracene
Concen: 3.087 ng
RT: 28.248 min Scan# 41
Delta R.T. 0.324 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:278 Resp: 35860
Ion Ratio Lower Upper
278 100
139 10.9 9.0 13.4
279 20.2 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 14.690 ng
RT: 28.859 min Scan# 4386
Delta R.T. -0.076 min
Lab File: BG064337.D
Acq: 10 Sep 2025 18:07

Tgt Ion:276 Resp: 166060
Ion Ratio Lower Upper
276 100
277 24.9 18.2 27.4
138 11.1 13.3 19.9#

