

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050714.D
 Acq On : 25 Oct 2021 17:22
 Operator : CG/JU
 Sample : M4332-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BB-SAMPLE-4

Quant Time: Oct 26 02:15:13 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

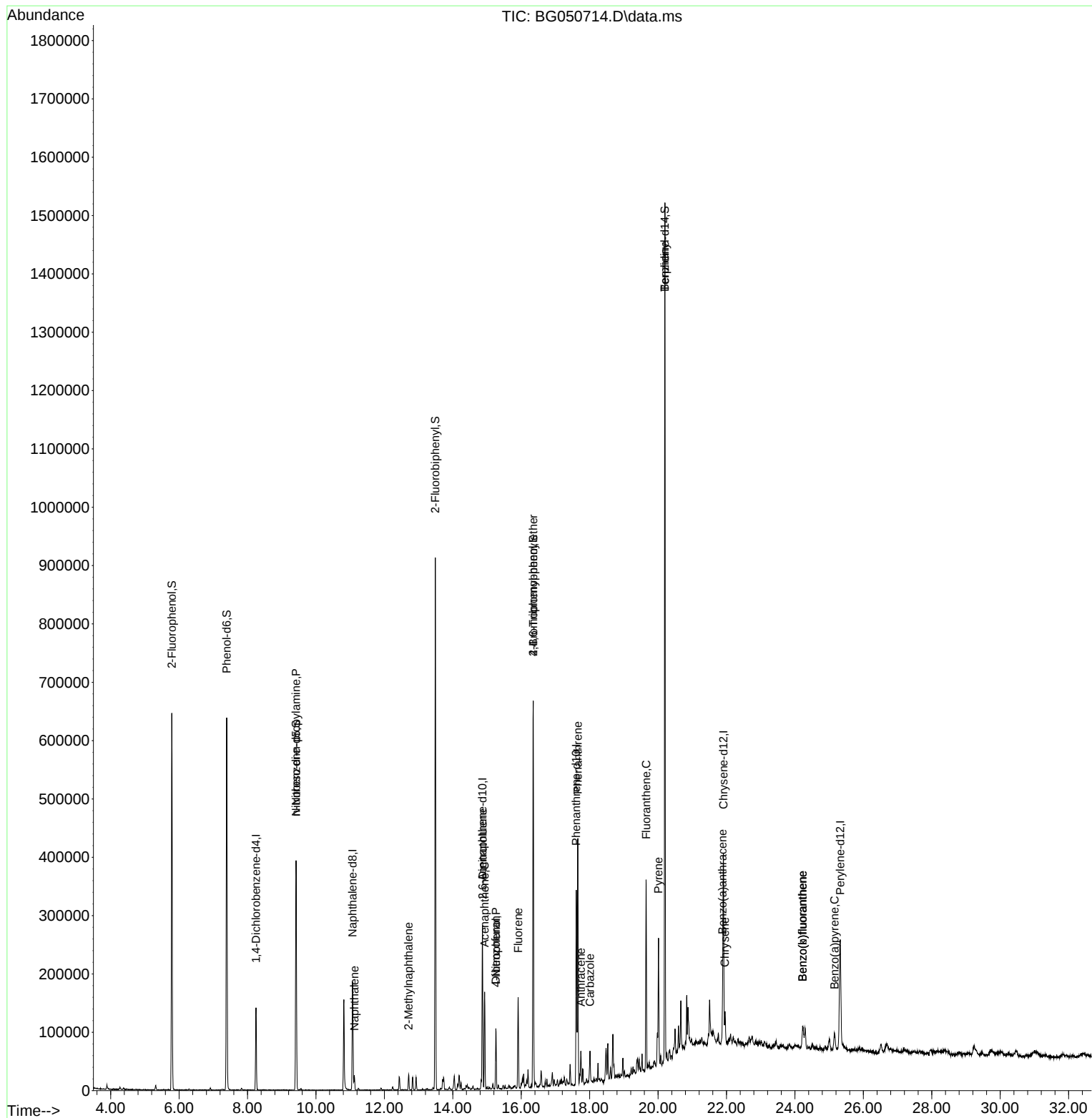
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	37816	20.000	ng	0.00
21) Naphthalene-d8	11.070	136	156432	20.000	ng	#-0.01
39) Acenaphthene-d10	14.865	164	96558	20.000	ng	0.00
64) Phenanthrene-d10	17.609	188	202997	20.000	ng	# 0.00
76) Chrysene-d12	21.910	240	187431	20.000	ng	#-0.01
86) Perylene-d12	25.324	264	188857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	267172	105.660	ng	0.00
7) Phenol-d6	7.392	99	356756	97.449	ng	0.00
23) Nitrobenzene-d5	9.419	82	253327	67.037	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	93797	101.843	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	436762	68.077	ng	-0.01
79) Terphenyl-d14	20.200	244	651974	67.789	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.392	77	892	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.419	70	36151	13.548	ng	# 68
31) Naphthalene	11.123	128	19764	2.360	ng	99
37) 2-Methylnaphthalene	12.709	142	12303	2.130	ng	93
51) 2,6-Dinitrotoluene	14.871	165	13722	9.387	ng	# 11
52) Acenaphthene	14.930	154	55824	9.804	ng	90
55) Dibenzofuran	15.259	168	62083	7.050	ng	92
56) 4-Nitrophenol	15.265	139	24846	17.863	ng	# 1
58) Fluorene	15.911	166	70711	10.454	ng	93
67) 4-Bromophenyl-phenylether	16.352	248	7634	3.732	ng	# 1
71) Phenanthrene	17.656	178	260352	24.339	ng	97
72) Anthracene	17.744	178	37152	3.495	ng	96
73) Carbazole	18.009	167	29717	2.805	ng	99
75) Fluoranthene	19.654	202	205158	15.602	ng	93
77) Benzidine	20.200	184	12886	2.121	ng	# 92
78) Pyrene	20.012	202	141619	10.649	ng	98
81) Benzo(a)anthracene	21.887	228	47745	3.850	ng	99
83) Chrysene	21.957	228	40728	3.491	ng	96
88) Benzo(b)fluoranthene	24.225	252	42445	3.670	ng	# 94
89) Benzo(k)fluoranthene	24.225	252	42445	3.730	ng	# 96
90) Benzo(a)pyrene	25.159	252	30201	3.071	ng	# 84

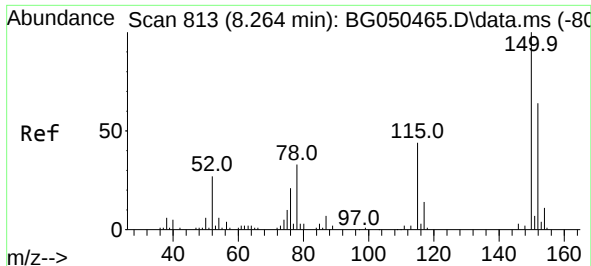
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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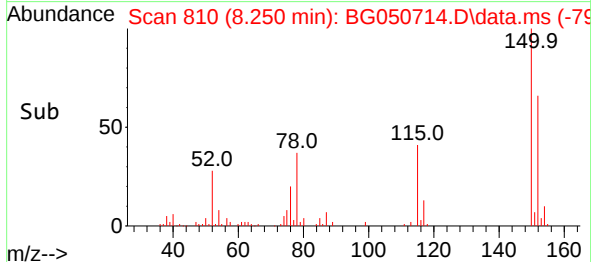
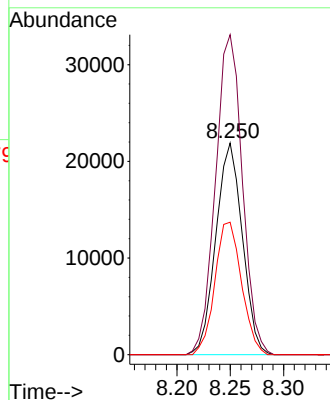
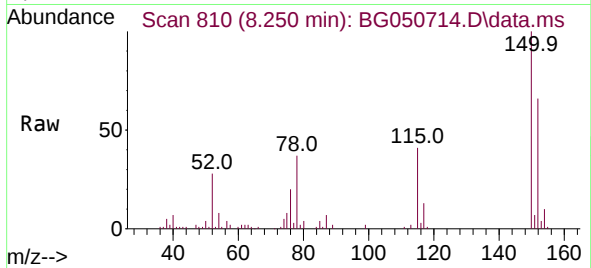




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 810
Delta R.T. -0.008 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

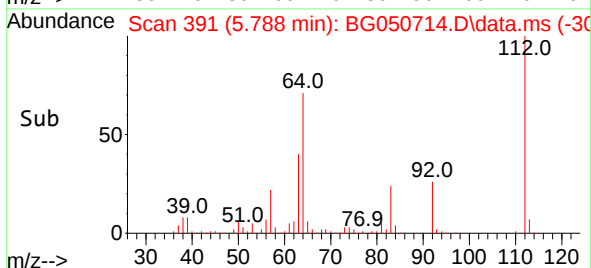
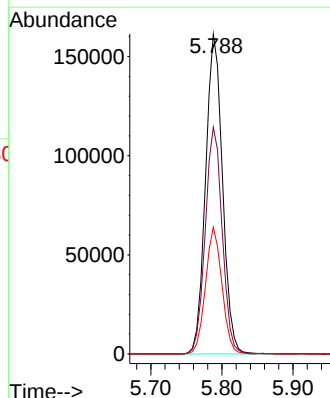
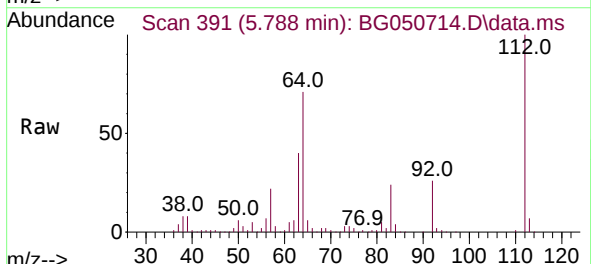
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BNA_G
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BB-SAMPLE-4

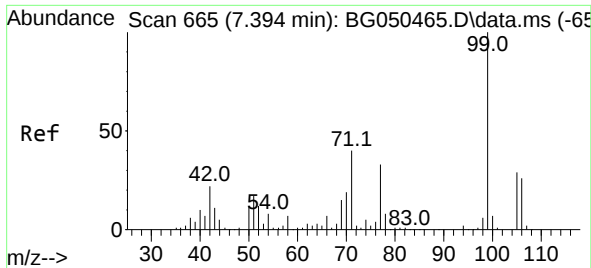
Tgt Ion:152 Resp: 37816
Ion Ratio Lower Upper
152 100
150 151.1 119.4 179.0
115 62.6 60.2 90.4



#5
2-Fluorophenol
Concen: 105.660 ng
RT: 5.788 min Scan# 391
Delta R.T. -0.003 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:112 Resp: 267172
Ion Ratio Lower Upper
112 100
64 70.8 46.7 70.1#
63 39.6 35.3 52.9

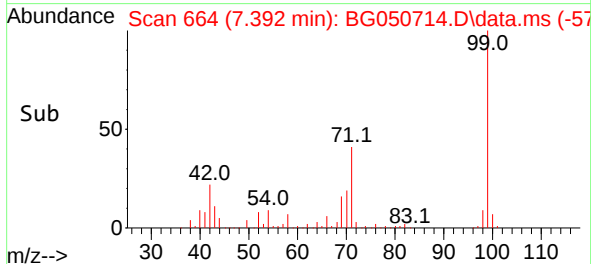
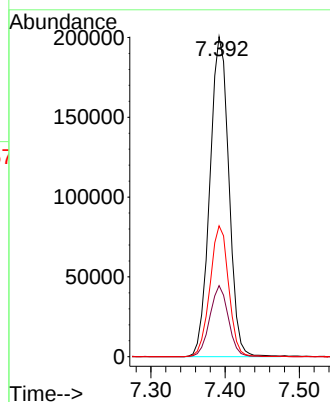
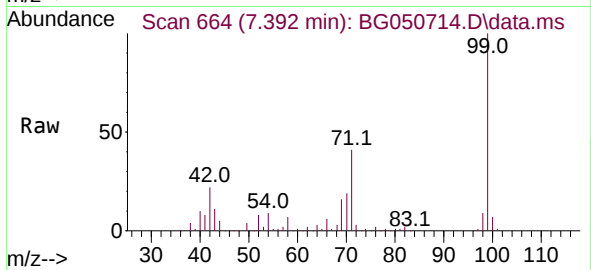




#7
Phenol-d6
Concen: 97.449 ng
RT: 7.392 min Scan# 664
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

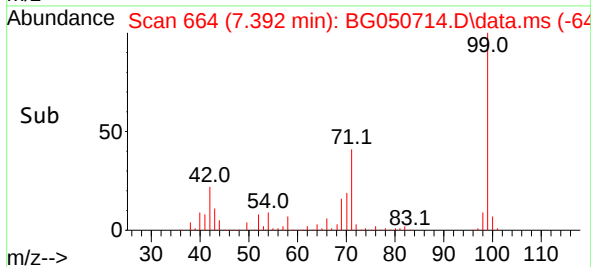
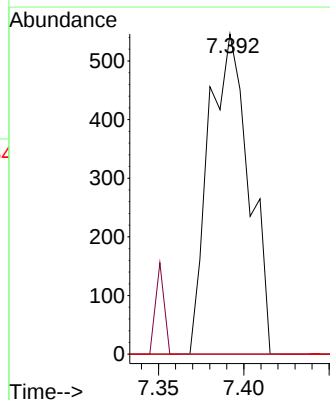
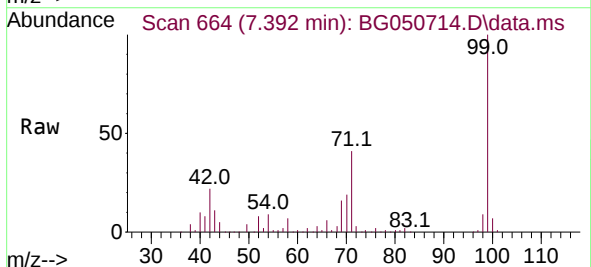
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

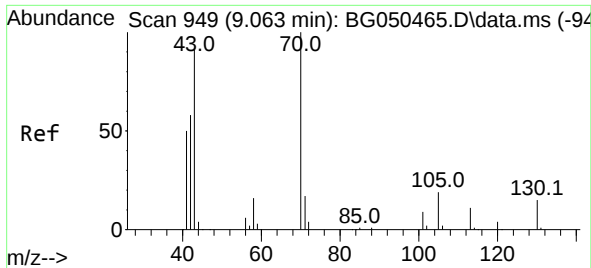
Tgt Ion: 99 Resp: 356756
Ion Ratio Lower Upper
99 100
42 22.2 20.5 30.7
71 40.9 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.392 min Scan# 664
Delta R.T. 0.003 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion: 77 Resp: 892
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

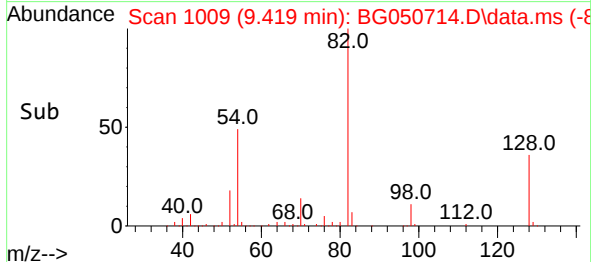
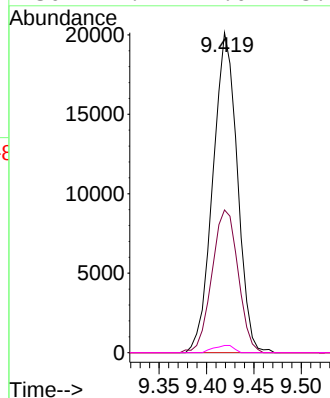
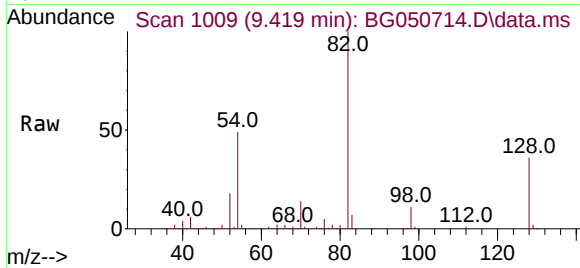




#19
n-Nitroso-di-n-propylamine
Concen: 13.548 ng
RT: 9.419 min Scan# 1009
Delta R.T. 0.362 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

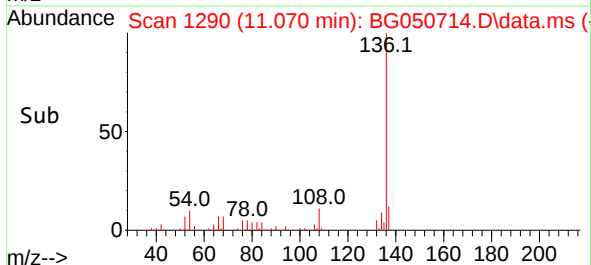
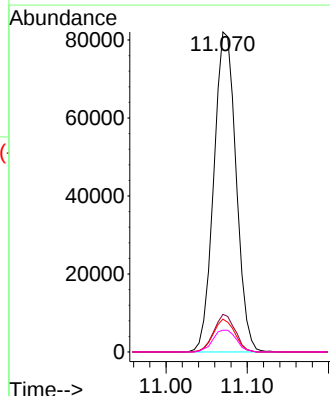
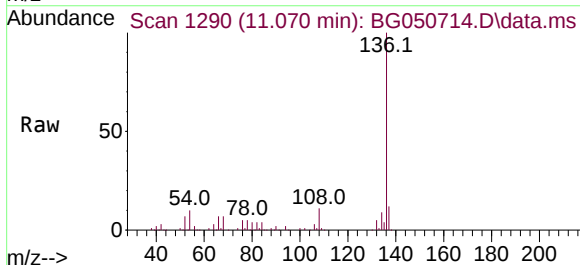
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

Tgt Ion:	70	Resp:	36151
Ion	Ratio	Lower	Upper
70	100		
42	44.6	54.5	81.7#
101	0.0	9.0	13.6#
130	2.2	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.070 min Scan# 1290
Delta R.T. -0.014 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:	136	Resp:	156432
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.2
54	10.3	5.5	8.3#
68	6.8	2.3	3.5#

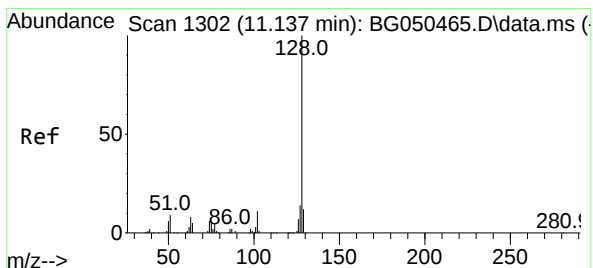
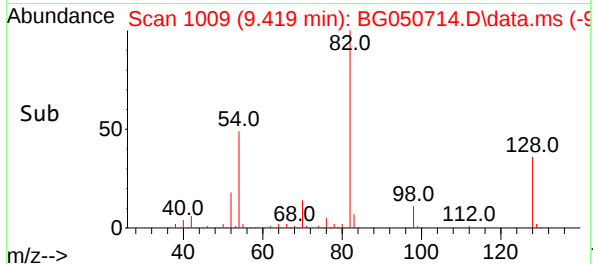
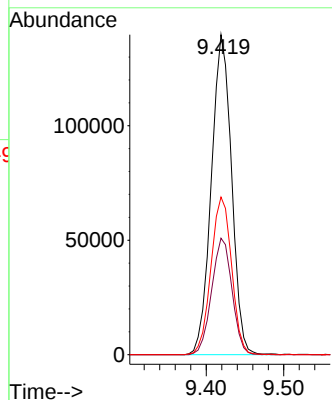
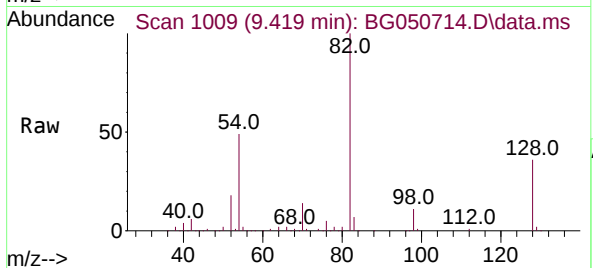




#23
Nitrobenzene-d5
Concen: 67.037 ng
RT: 9.419 min Scan# 1009
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

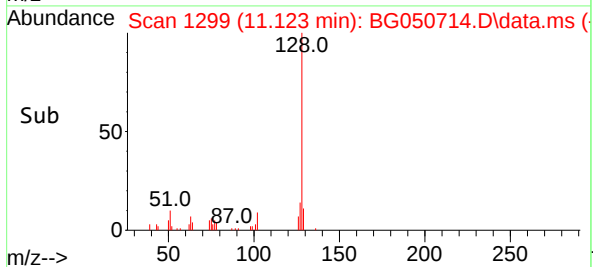
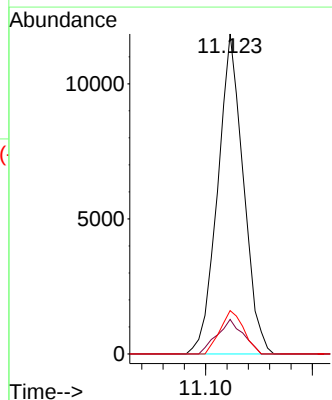
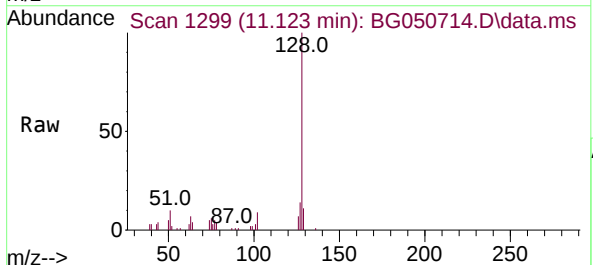
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

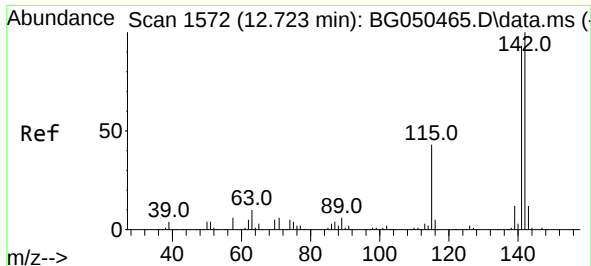
Tgt Ion: 82 Resp: 253327
Ion Ratio Lower Upper
82 100
128 36.4 29.8 44.6
54 49.3 45.8 68.8



#31
Naphthalene
Concen: 2.360 ng
RT: 11.123 min Scan# 1299
Delta R.T. -0.014 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion: 128 Resp: 19764
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.6 10.2 15.4

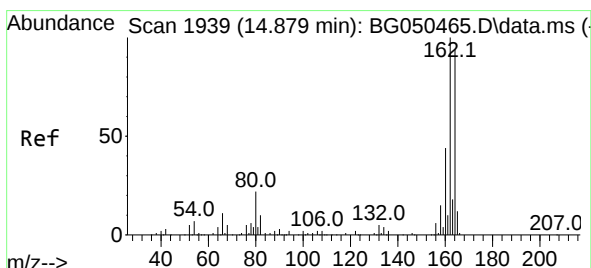
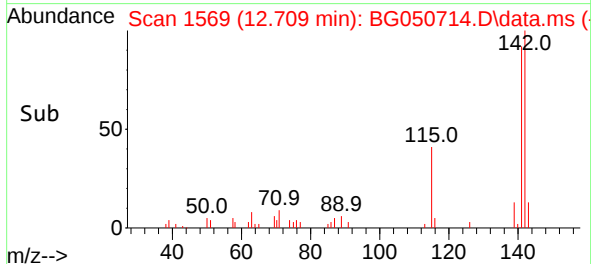
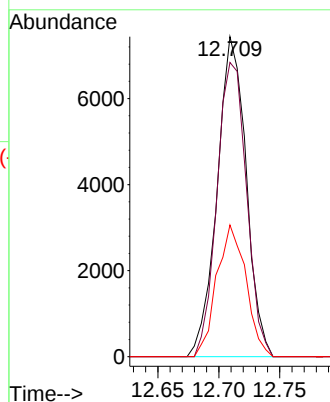
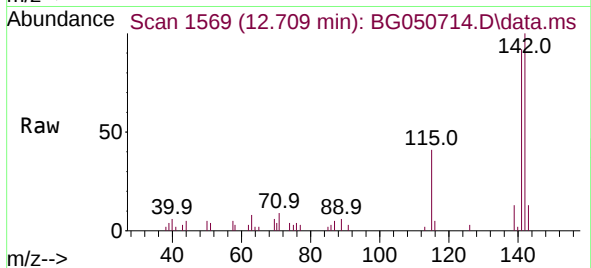




#37
2-Methylnaphthalene
Concen: 2.130 ng
RT: 12.709 min Scan# 1569
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

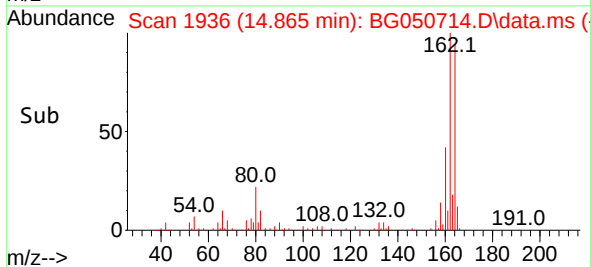
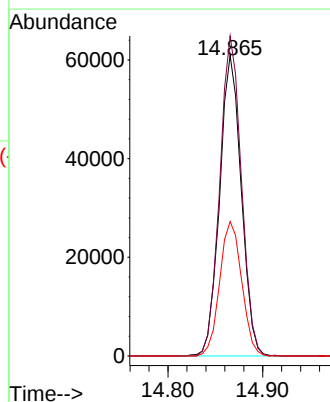
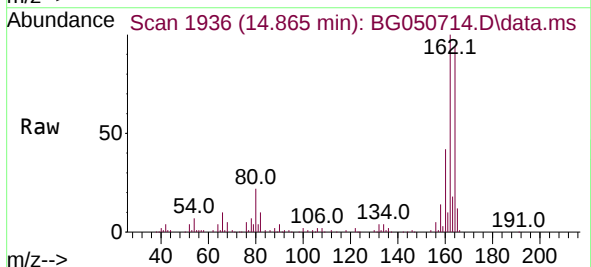
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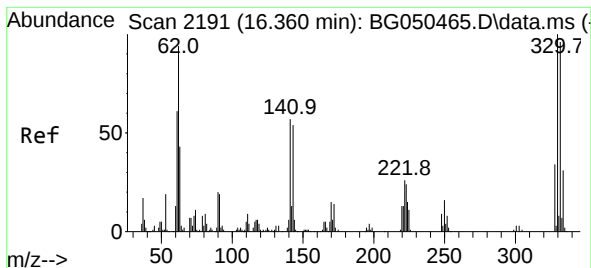
Tgt Ion:142 Resp: 12303
Ion Ratio Lower Upper
142 100
141 91.9 68.8 103.2
115 41.1 36.4 54.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.865 min Scan# 1936
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:164 Resp: 96558
Ion Ratio Lower Upper
164 100
162 106.4 81.4 122.0
160 44.7 34.9 52.3

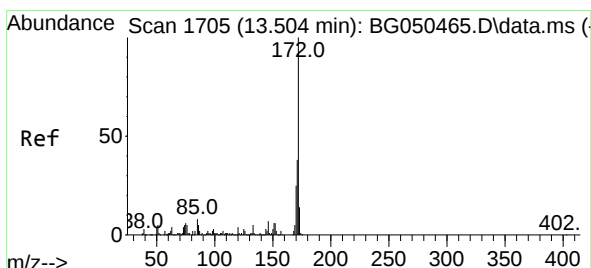
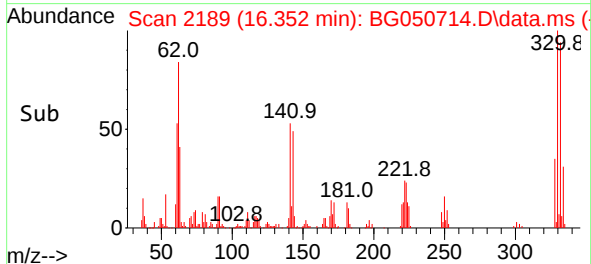
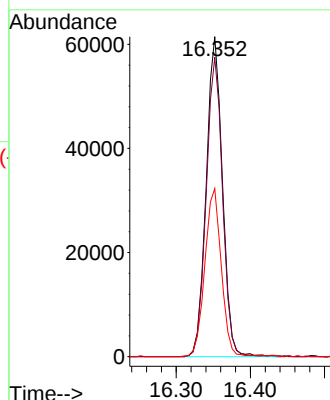
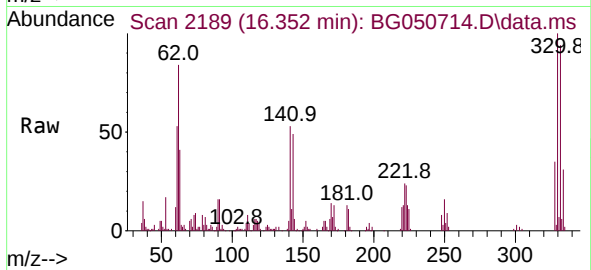




#42
2,4,6-Tribromophenol
Concen: 101.843 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

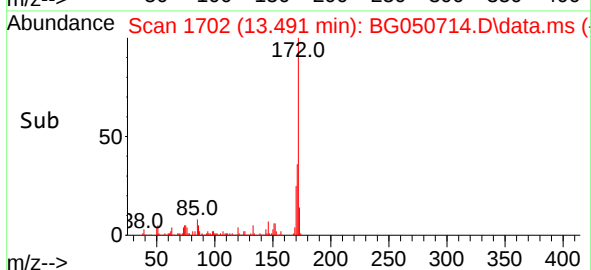
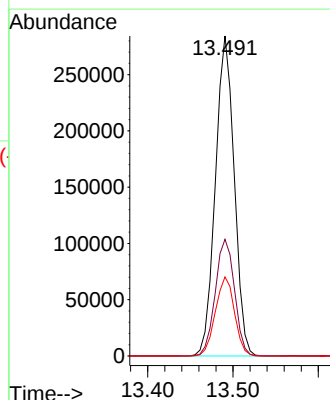
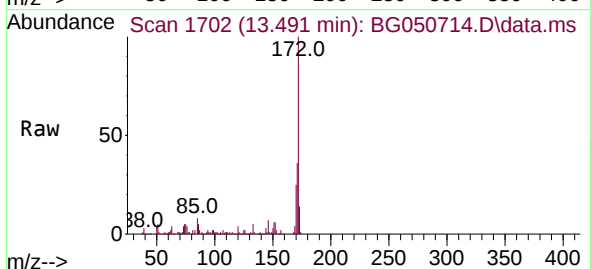
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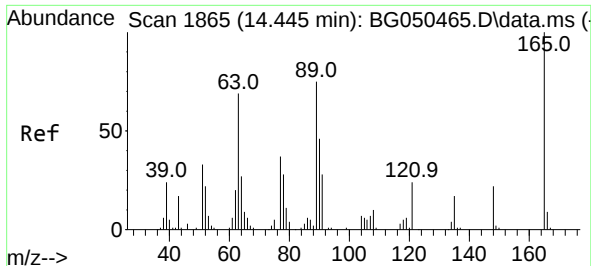
Tgt Ion:330 Resp: 93797
Ion Ratio Lower Upper
330 100
332 93.9 77.3 115.9
141 53.2 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 68.077 ng
RT: 13.491 min Scan# 1702
Delta R.T. -0.014 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:172 Resp: 436762
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.7 18.6 27.8

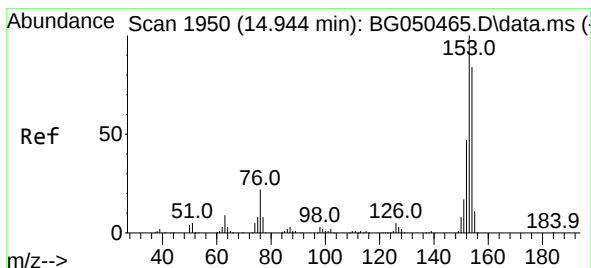
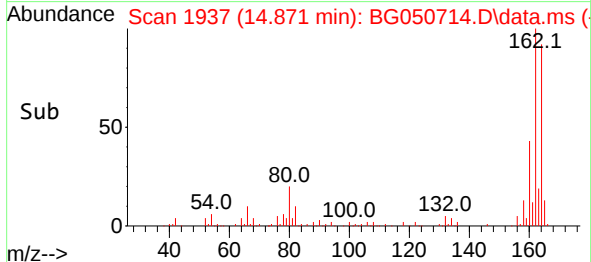
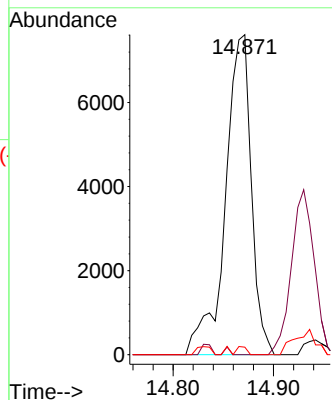
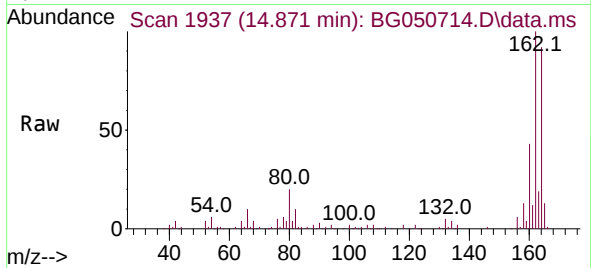




#51
2,6-Dinitrotoluene
Concen: 9.387 ng
RT: 14.871 min Scan# 1937
Delta R.T. 0.426 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

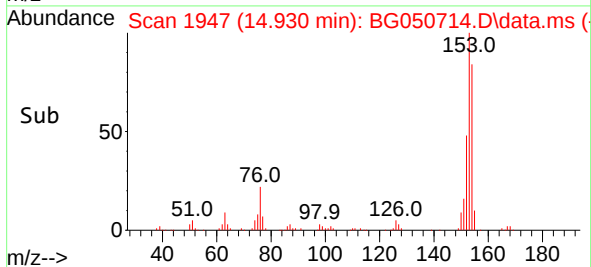
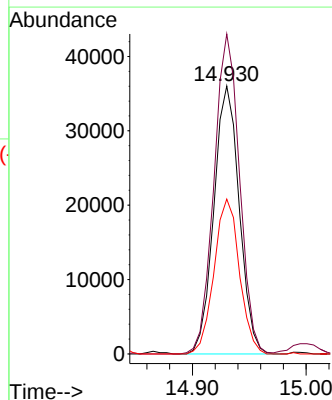
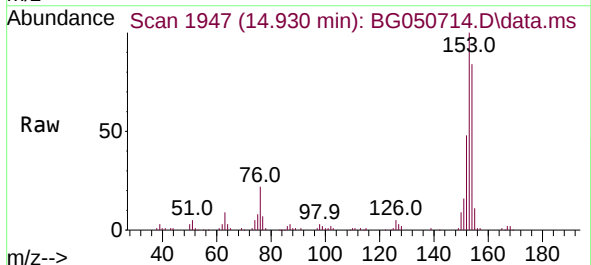
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

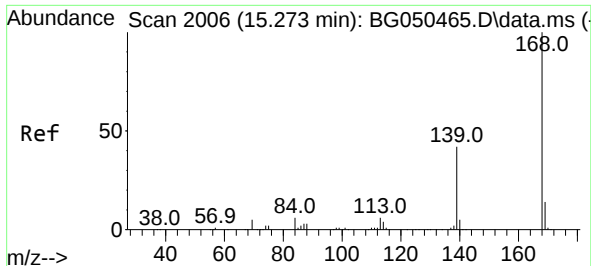
Tgt Ion:165 Resp: 13722
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.4 63.4 95.0#



#52
Acenaphthene
Concen: 9.804 ng
RT: 14.930 min Scan# 1947
Delta R.T. -0.014 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:154 Resp: 55824
Ion Ratio Lower Upper
154 100
153 119.4 87.0 130.4
152 57.8 40.1 60.1

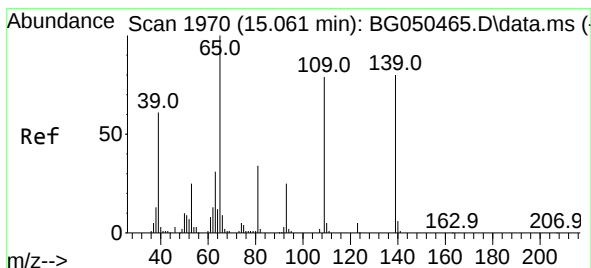
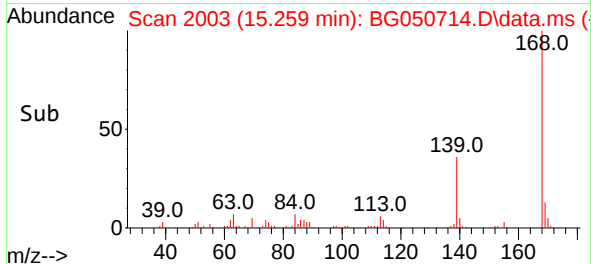
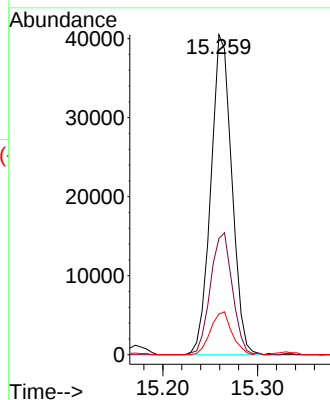
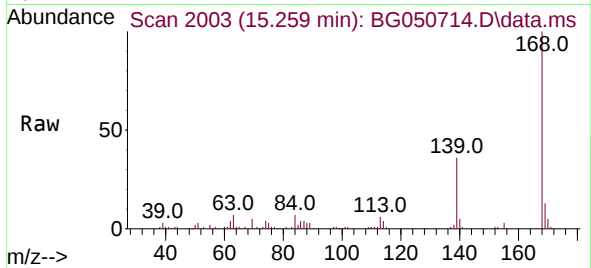




#55
Dibenzofuran
Concen: 7.050 ng
RT: 15.259 min Scan# 2003
Delta R.T. -0.014 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

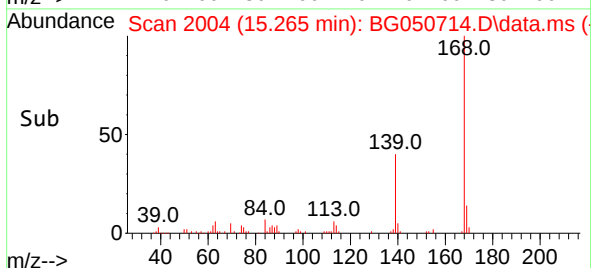
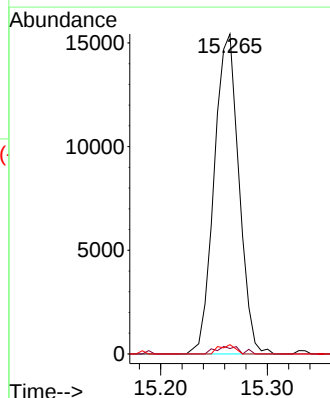
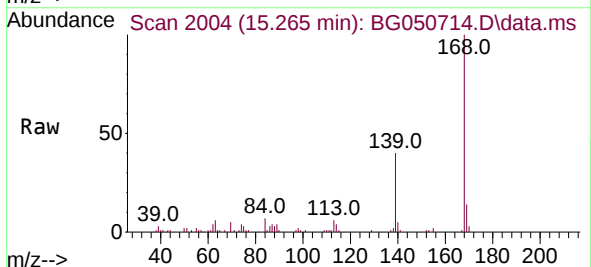
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

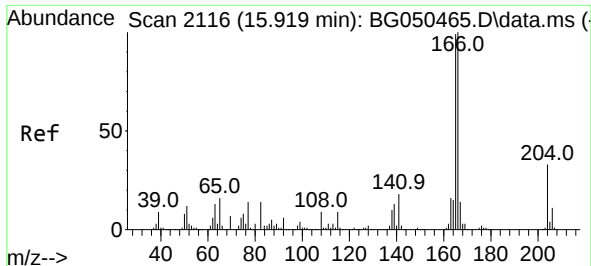
Tgt Ion:168 Resp: 62083
Ion Ratio Lower Upper
168 100
139 36.3 33.4 50.2
169 12.7 12.3 18.5



#56
4-Nitrophenol
Concen: 17.863 ng
RT: 15.265 min Scan# 2004
Delta R.T. 0.197 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:139 Resp: 24846
Ion Ratio Lower Upper
139 100
109 1.7 116.3 156.3#
65 2.9 105.0 145.0#

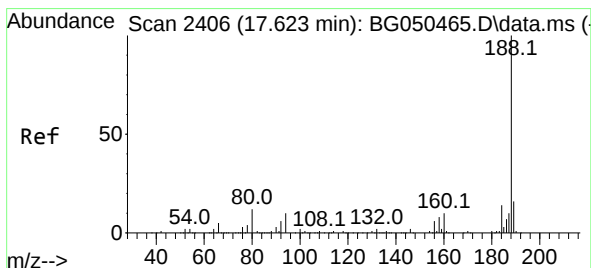
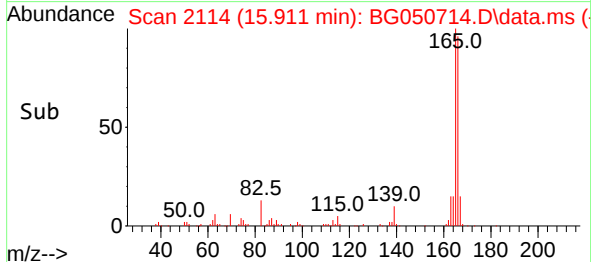
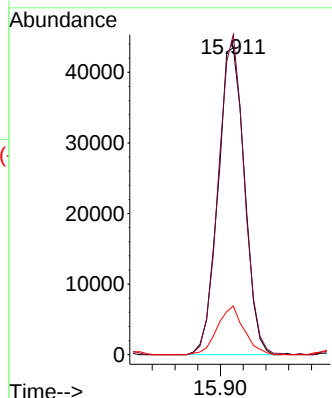
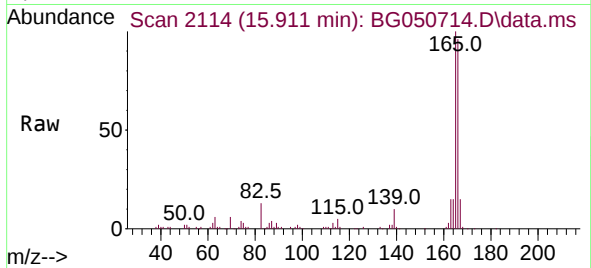




#58
Fluorene
Concen: 10.454 ng
RT: 15.911 min Scan# 2114
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

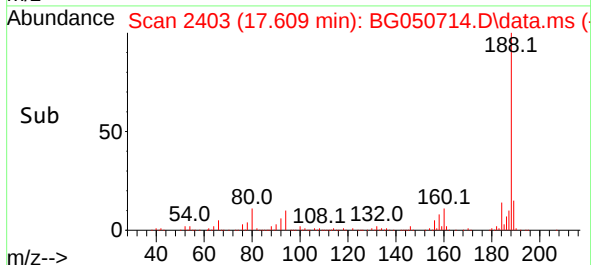
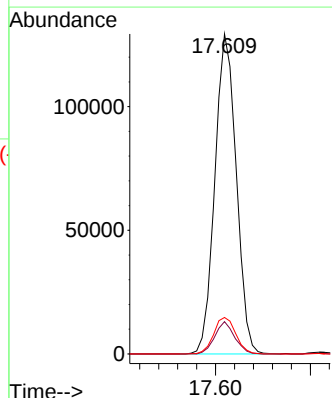
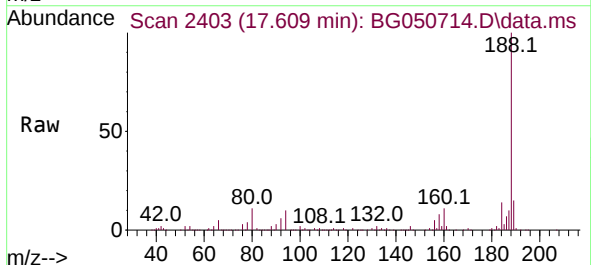
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

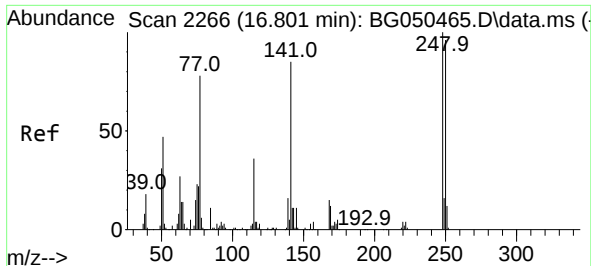
Tgt Ion:166 Resp: 70711
Ion Ratio Lower Upper
166 100
165 104.3 77.7 116.5
167 15.9 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.609 min Scan# 2403
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:188 Resp: 202997
Ion Ratio Lower Upper
188 100
94 10.1 5.4 8.0#
80 11.4 3.7 5.5#

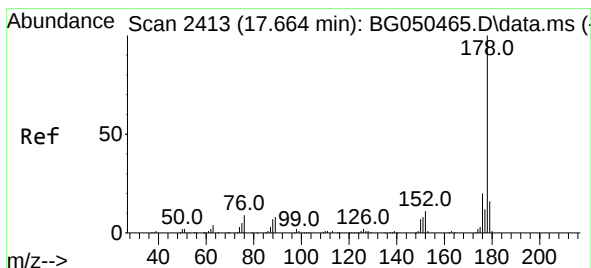
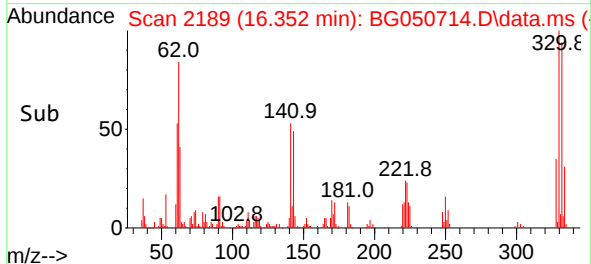
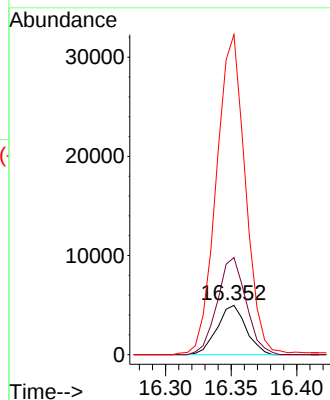
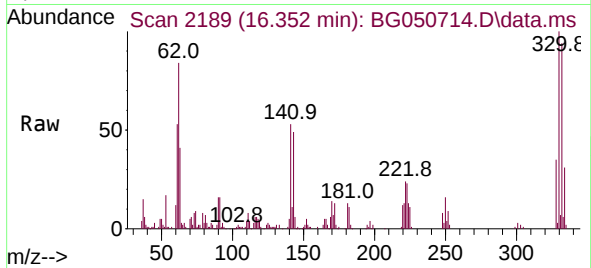




#67
4-Bromophenyl-phenylether
Concen: 3.732 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.449 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

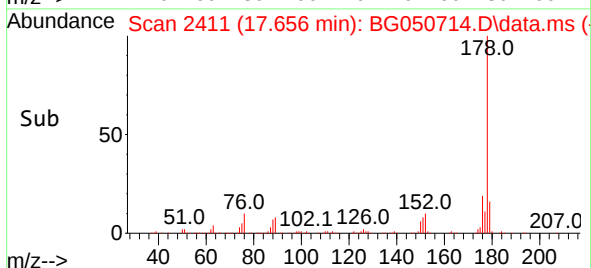
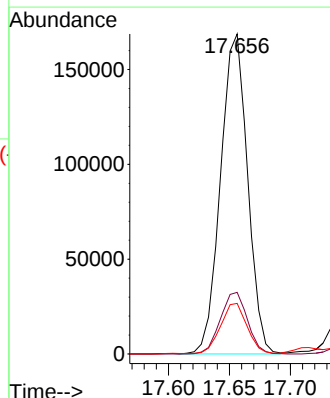
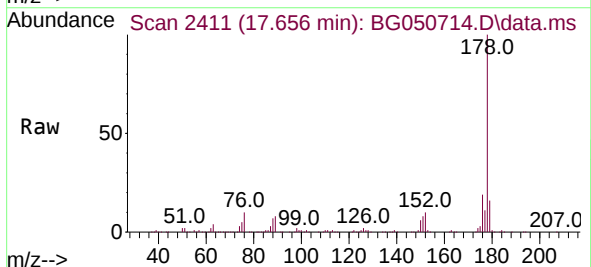
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

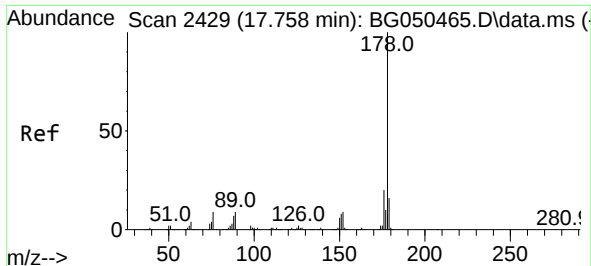
Tgt Ion:248 Resp: 7634
Ion Ratio Lower Upper
248 100
250 196.8 76.1 114.1#
141 648.2 65.4 98.2#



#71
Phenanthrene
Concen: 24.339 ng
RT: 17.656 min Scan# 2411
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:178 Resp: 260352
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.8 14.2 21.4

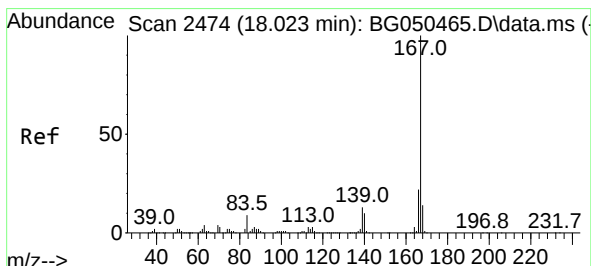
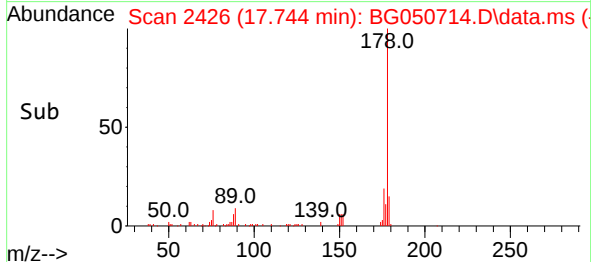
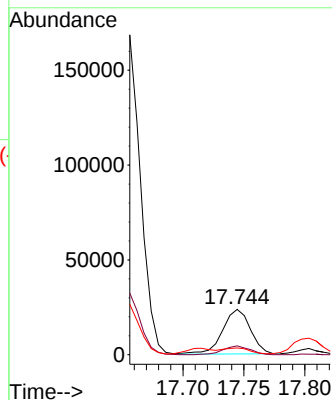
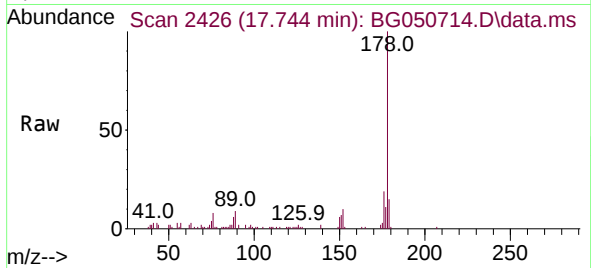




#72
 Anthracene
 Concen: 3.495 ng
 RT: 17.744 min Scan# 2426
 Delta R.T. -0.009 min
 Lab File: BG050714.D
 Acq: 25 Oct 2021 17:22

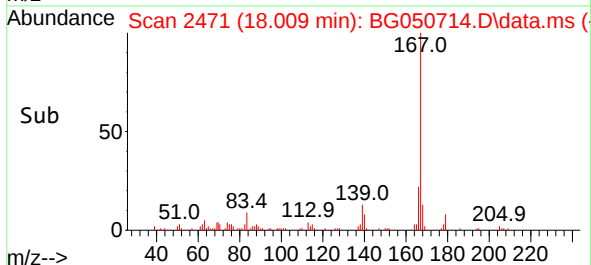
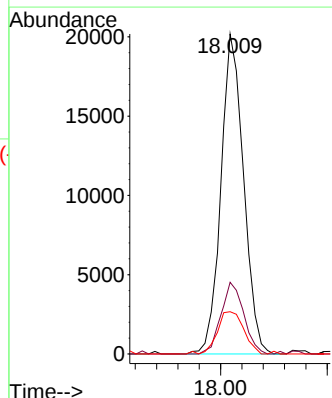
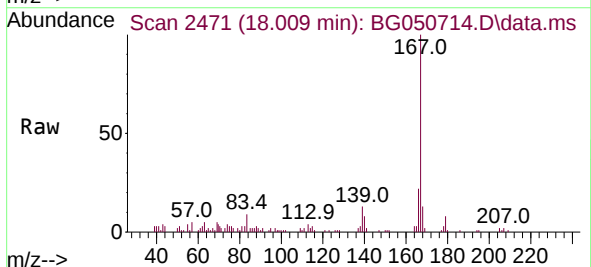
Instrument :
 BNA_G
 ClientSampleId :
 BB-SAMPLE-4

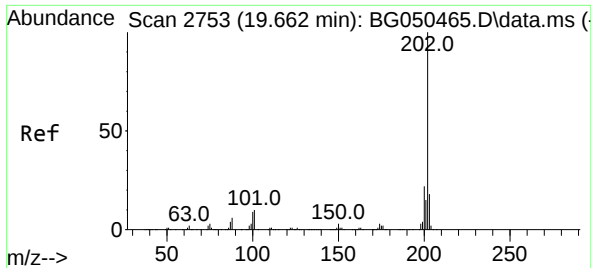
Tgt Ion:178 Resp: 37152
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.6 21.8
 179 14.7 13.4 20.0



#73
 Carbazole
 Concen: 2.805 ng
 RT: 18.009 min Scan# 2471
 Delta R.T. -0.015 min
 Lab File: BG050714.D
 Acq: 25 Oct 2021 17:22

Tgt Ion:167 Resp: 29717
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.2
 139 13.2 10.7 16.1

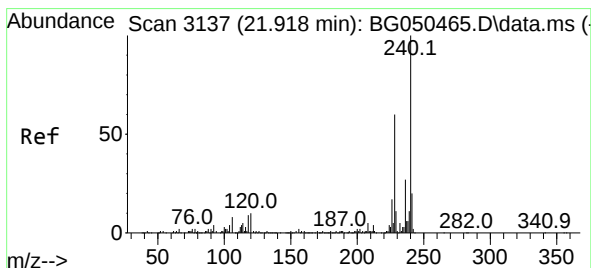
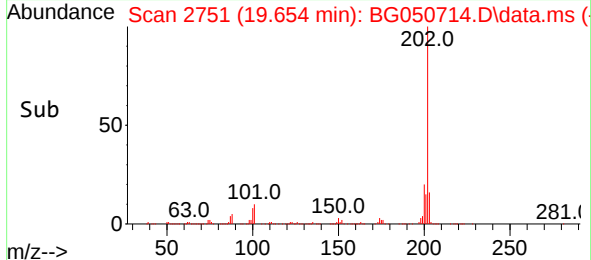
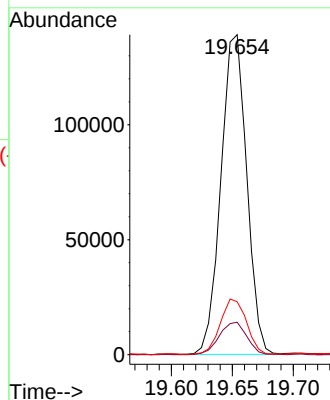
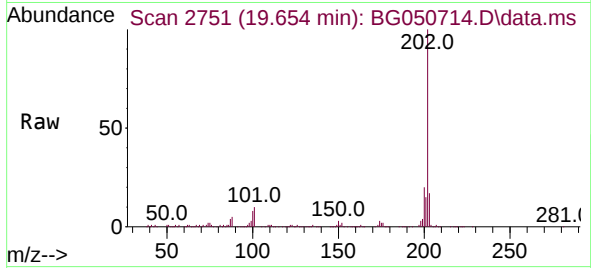




#75
Fluoranthene
Concen: 15.602 ng
RT: 19.654 min Scan# 2751
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

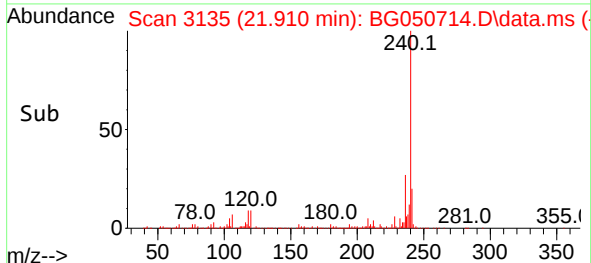
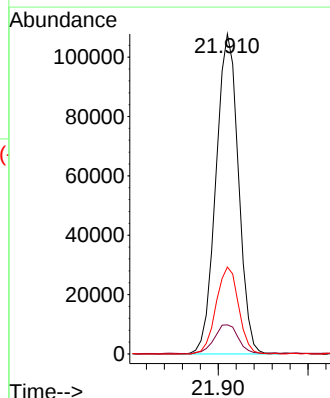
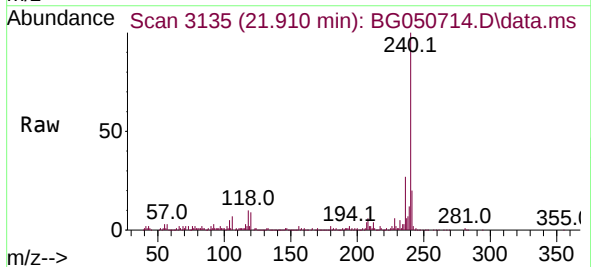
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

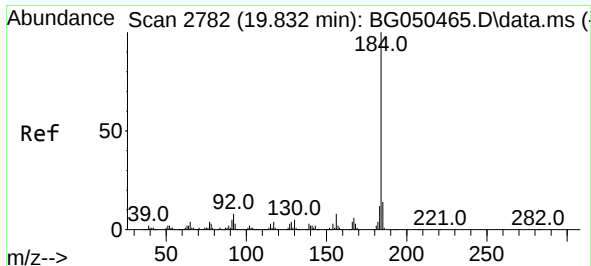
Tgt Ion:202 Resp: 205158
Ion Ratio Lower Upper
202 100
101 10.2 0.0 24.7
203 16.6 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.910 min Scan# 3135
Delta R.T. -0.015 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:240 Resp: 187431
Ion Ratio Lower Upper
240 100
120 9.1 4.2 6.2#
236 27.1 21.8 32.6

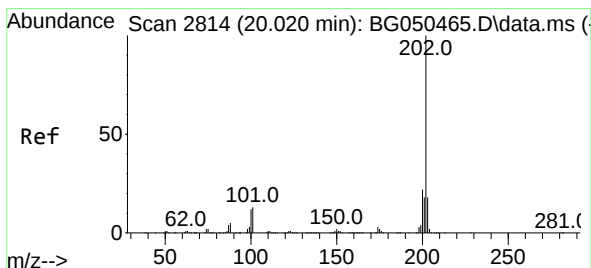
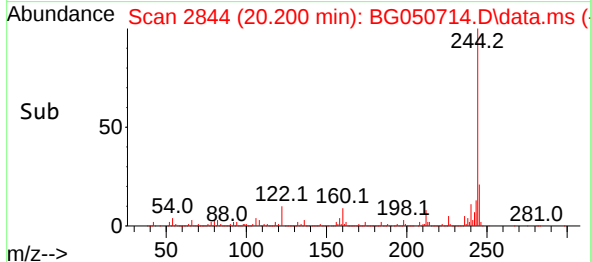
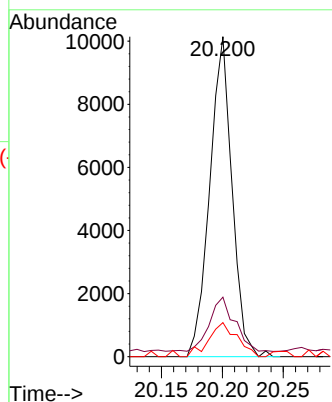
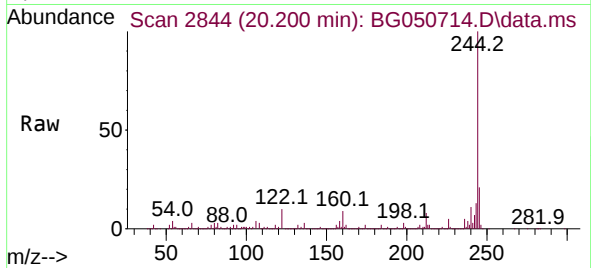




#77
Benzidine
Concen: 2.121 ng
RT: 20.200 min Scan# 2844
Delta R.T. 0.367 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

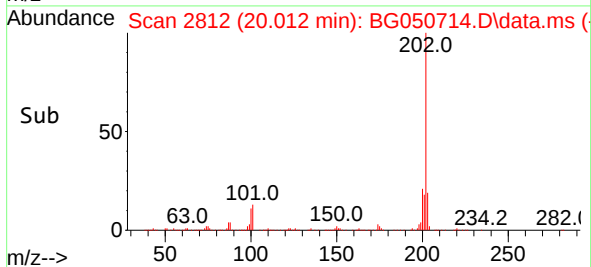
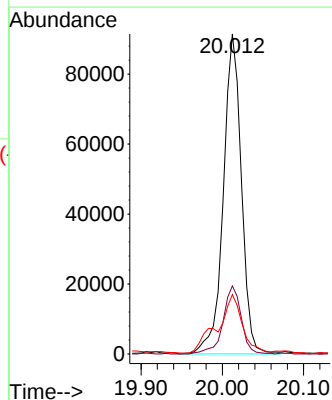
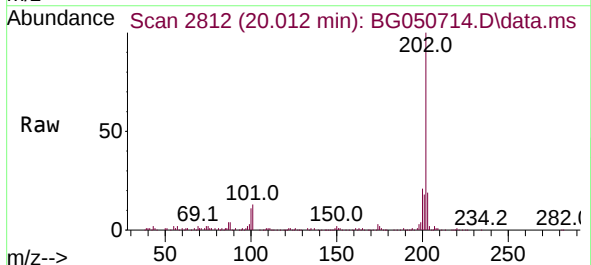
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

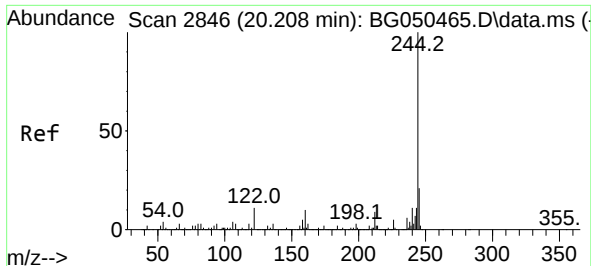
Tgt Ion:184 Resp: 12886
Ion Ratio Lower Upper
184 100
185 18.6 10.7 16.1#
183 10.7 9.4 14.0



#78
Pyrene
Concen: 10.649 ng
RT: 20.012 min Scan# 2812
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:202 Resp: 141619
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.8
203 18.5 14.6 21.8

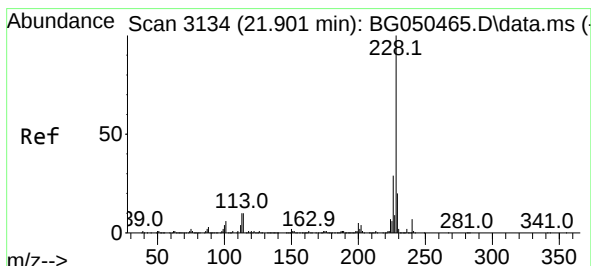
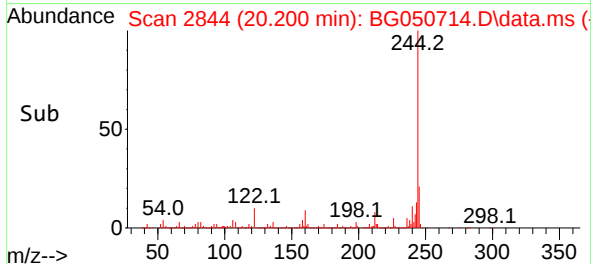
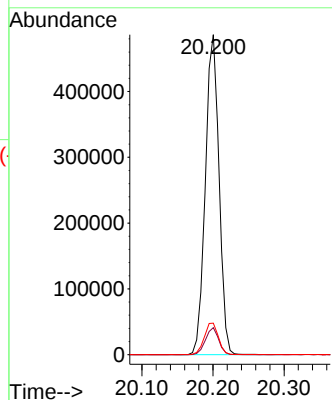
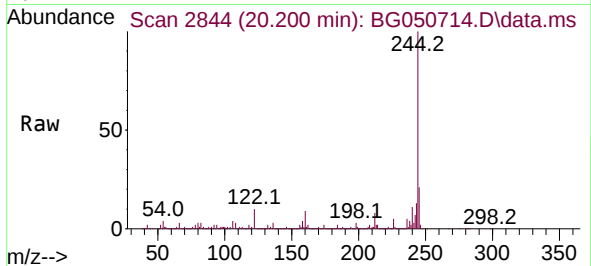




#79
Terphenyl-d14
Concen: 67.789 ng
RT: 20.200 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

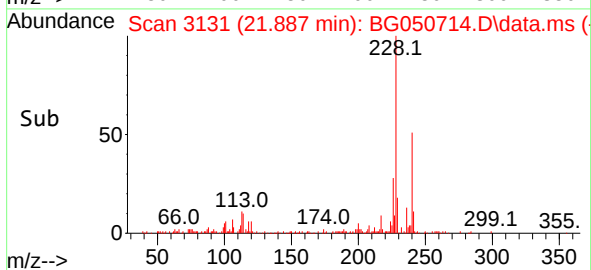
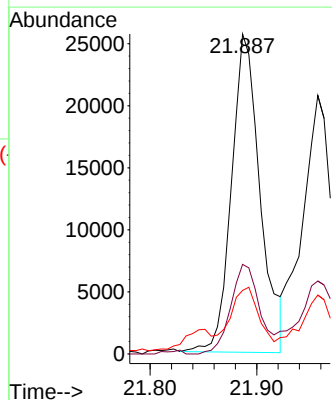
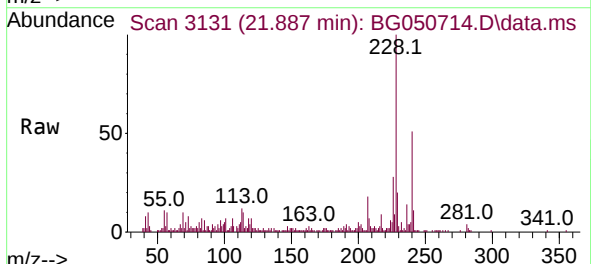
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

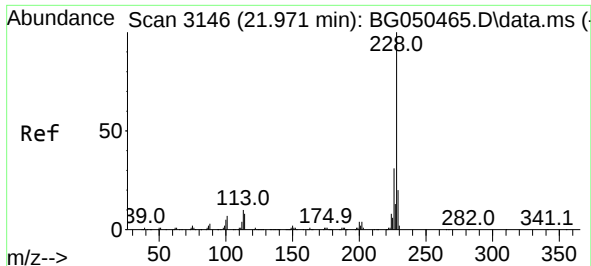
Tgt Ion:244 Resp: 651974
Ion Ratio Lower Upper
244 100
212 8.5 6.9 10.3
122 9.9 5.0 7.6#



#81
Benzo(a)anthracene
Concen: 3.850 ng
RT: 21.887 min Scan# 3131
Delta R.T. -0.015 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:228 Resp: 47745
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 19.9 16.0 24.0

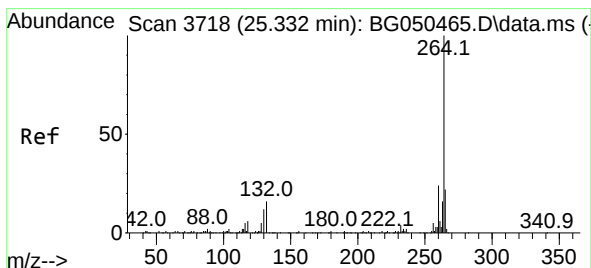
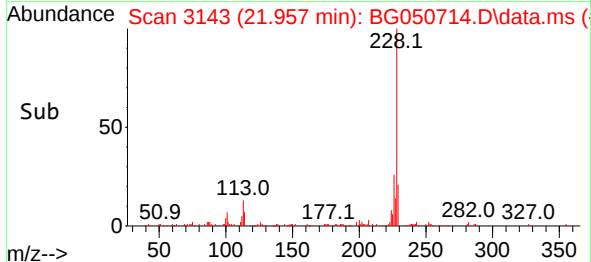
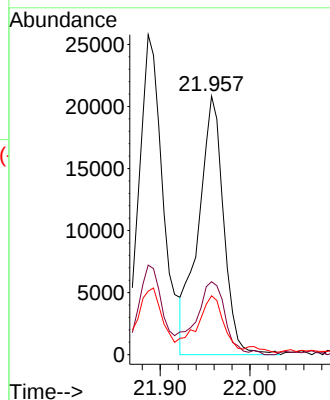
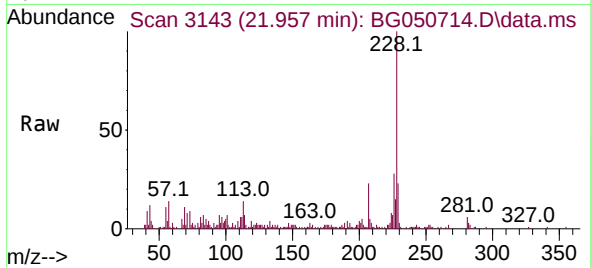




#83
Chrysene
Concen: 3.491 ng
RT: 21.957 min Scan# 3143
Delta R.T. -0.015 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

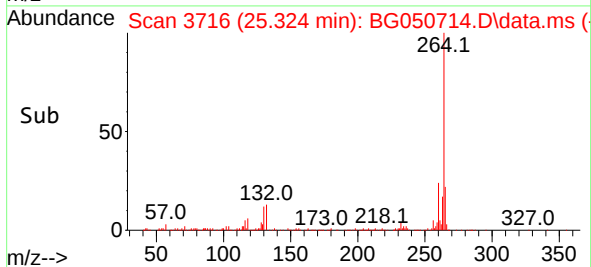
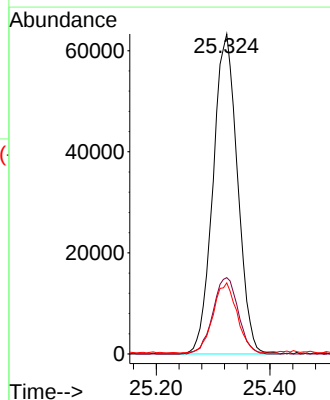
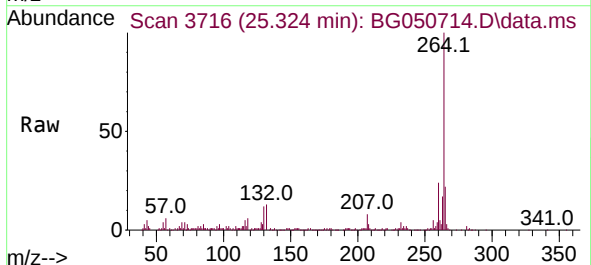
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

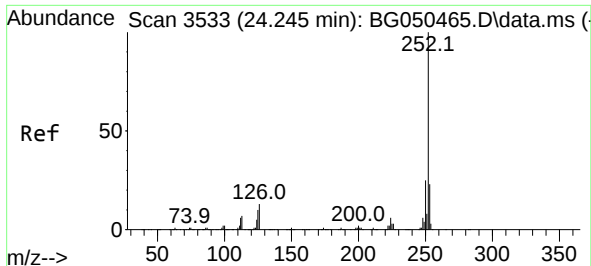
Tgt Ion:228	Resp:	40728
Ion Ratio	Lower	Upper
228	100	
226	28.2	23.1 34.7
229	22.7	15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.324 min Scan# 3716
Delta R.T. -0.009 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:264	Resp:	188857
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.4 29.2
265	22.2	16.9 25.3

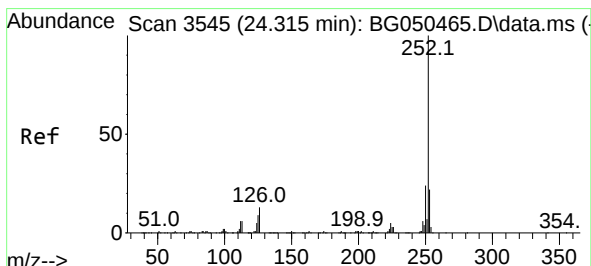
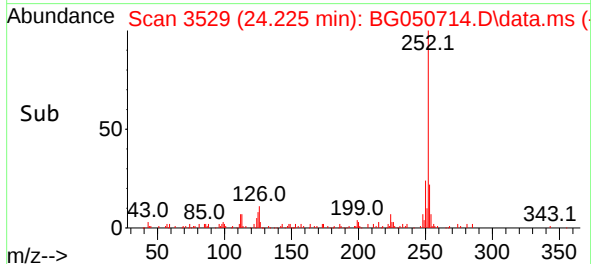
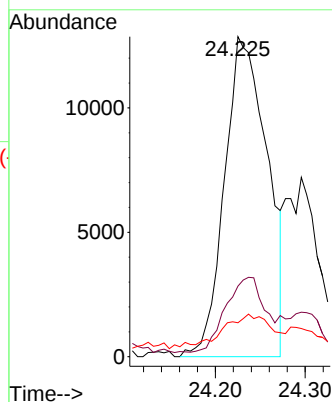
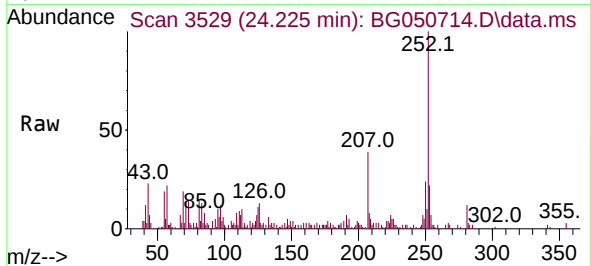




#88
Benzo(b)fluoranthene
Concen: 3.670 ng
RT: 24.225 min Scan# 3529
Delta R.T. -0.020 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

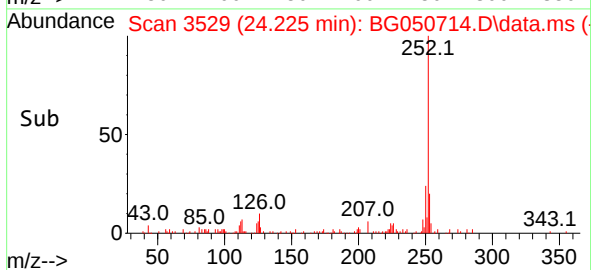
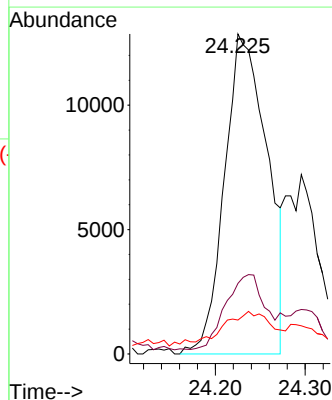
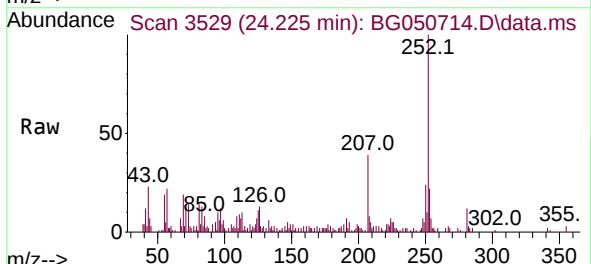
Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

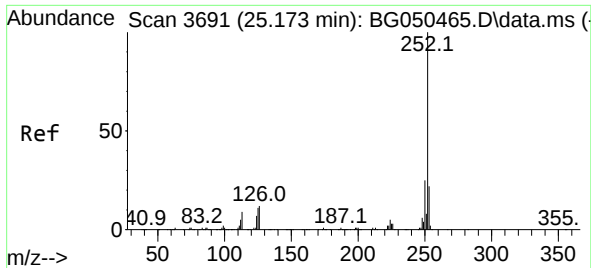
Tgt Ion:252 Resp: 42445
Ion Ratio Lower Upper
252 100
253 22.0 16.2 24.4
125 10.6 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 3.730 ng
RT: 24.225 min Scan# 3529
Delta R.T. -0.091 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Tgt Ion:252 Resp: 42445
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 10.6 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 3.071 ng
RT: 25.159 min Scan# 3688
Delta R.T. -0.015 min
Lab File: BG050714.D
Acq: 25 Oct 2021 17:22

Instrument :
BNA_G
ClientSampleId :
BB-SAMPLE-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	16.6	25.0#
125	14.2	3.5	5.3#

