

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050703.D
 Acq On : 23 Oct 2021 00:26
 Operator : CG/JU
 Sample : M4311-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-102121

Quant Time: Oct 23 02:54:45 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)

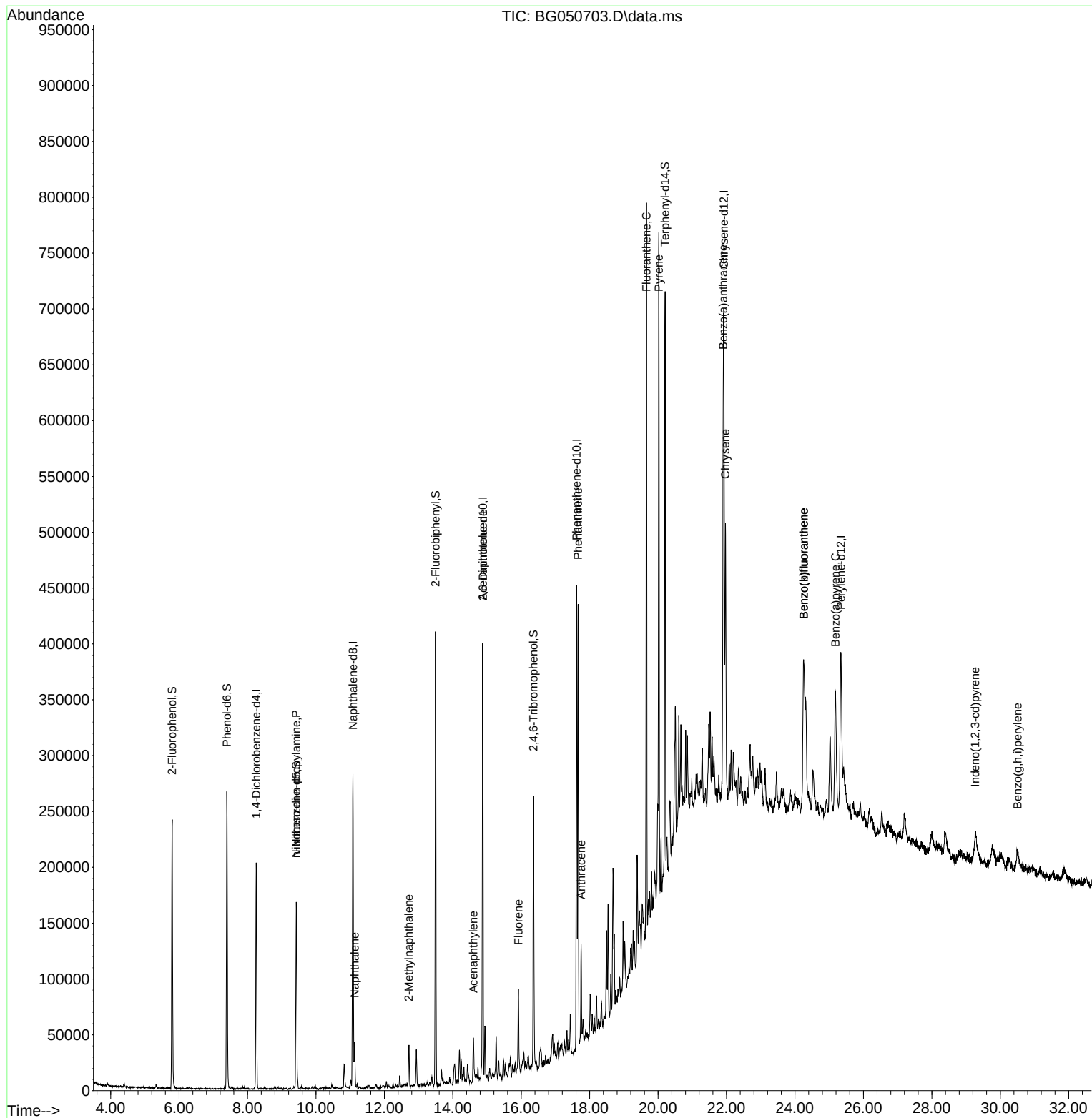
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.254	152	54804	20.000	ng	0.00
21) Naphthalene-d8	11.080	136	229809	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	136588	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	260251	20.000	ng	# 0.00
76) Chrysene-d12	21.920	240	211561	20.000	ng	# 0.00
86) Perylene-d12	25.345	264	170855	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	115190	31.434	ng	0.00
7) Phenol-d6	7.396	99	158453	29.865	ng	0.00
23) Nitrobenzene-d5	9.423	82	111603	20.103	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	36895	28.320	ng	0.00
45) 2-Fluorobiphenyl	13.495	172	200456	22.088	ng	-0.01
79) Terphenyl-d14	20.204	244	236842	21.817	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.390	77	289	Below Cal	#	47
19) n-Nitroso-di-n-propyla...	9.423	70	15849	4.098	ng	# 67
31) Naphthalene	11.127	128	33718	2.741	ng	99
37) 2-Methylnaphthalene	12.713	142	17602	2.074	ng	95
49) Acenaphthylene	14.599	152	33022	2.634	ng	98
51) 2,6-Dinitrotoluene	14.875	165	18799	9.091	ng	# 13
58) Fluorene	15.915	166	31956	3.340	ng	87
71) Phenanthrene	17.660	178	242114	17.654	ng	97
72) Anthracene	17.748	178	59029	4.331	ng	99
75) Fluoranthene	19.658	202	391408	23.218	ng	95
78) Pyrene	20.022	202	383514	25.550	ng	98
81) Benzo(a)anthracene	21.902	228	192670	13.763	ng	94
83) Chrysene	21.967	228	185570	14.093	ng	# 92
87) Indeno(1,2,3-cd)pyrene	29.264	276	55201	4.639	ng	# 95
88) Benzo(b)fluoranthene	24.258	252	210763	20.143	ng	# 90
89) Benzo(k)fluoranthene	24.258	252	210763	20.475	ng	# 94
90) Benzo(a)pyrene	25.181	252	144258	16.215	ng	# 92
92) Benzo(g,h,i)perylene	30.504	276	49814	5.167	ng	# 83

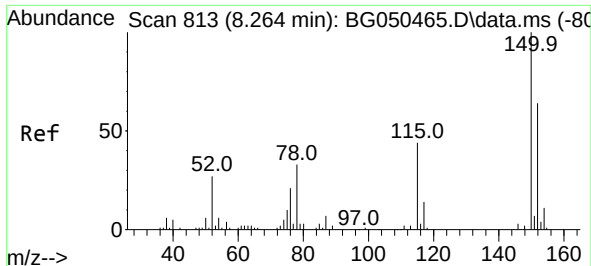
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

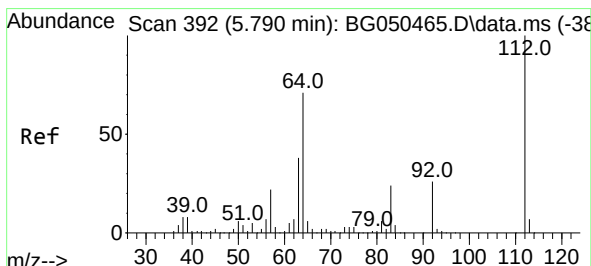
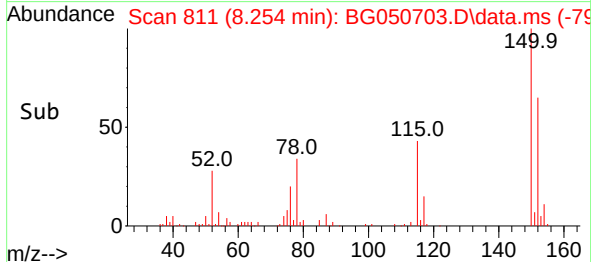
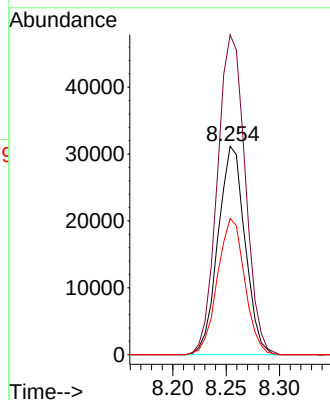
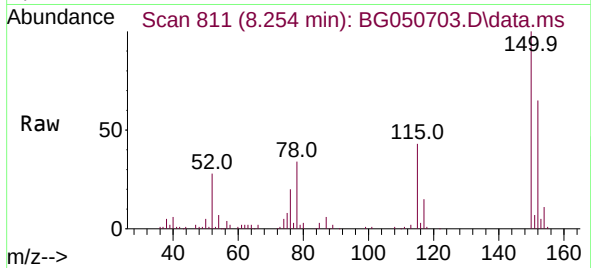




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.254 min Scan# 811
Delta R.T. -0.004 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

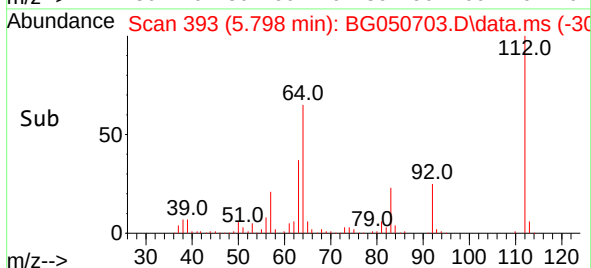
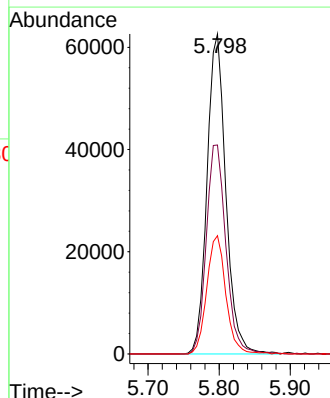
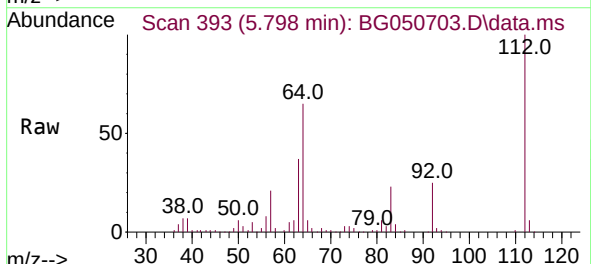
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

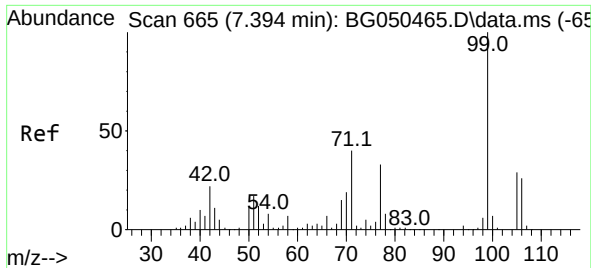
Tgt Ion:152 Resp: 54804
Ion Ratio Lower Upper
152 100
150 153.5 119.4 179.0
115 65.4 60.2 90.4



#5
2-Fluorophenol
Concen: 31.434 ng
RT: 5.798 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:112 Resp: 115190
Ion Ratio Lower Upper
112 100
64 65.3 46.7 70.1
63 36.9 35.3 52.9

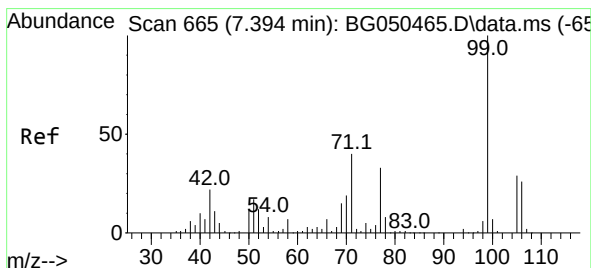
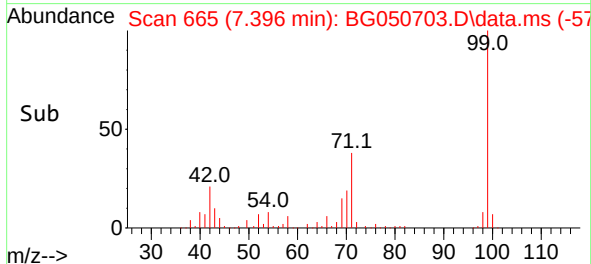
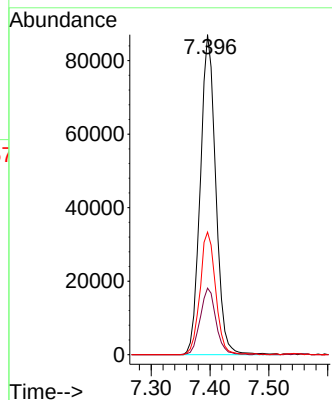
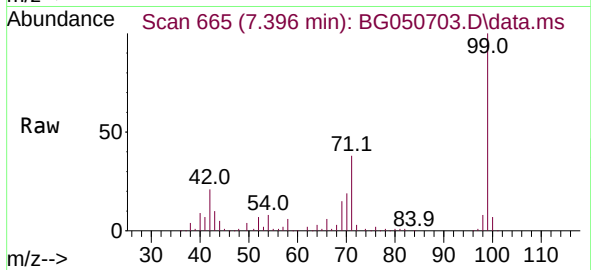




#7
Phenol-d6
Concen: 29.865 ng
RT: 7.396 min Scan# 665
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

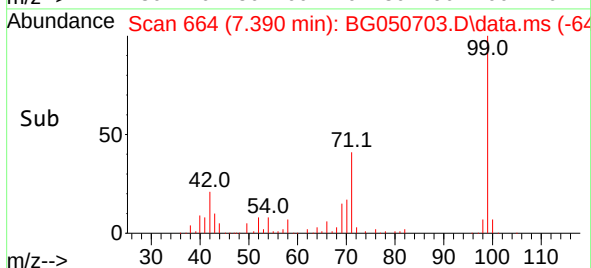
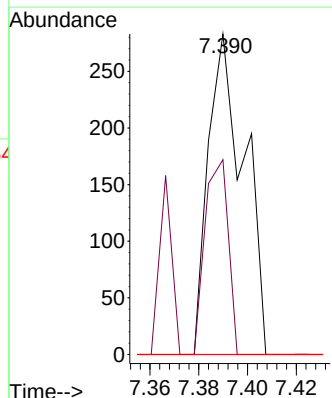
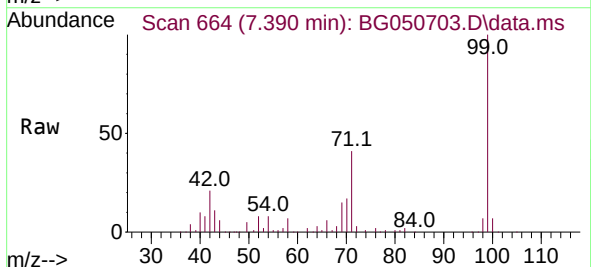
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

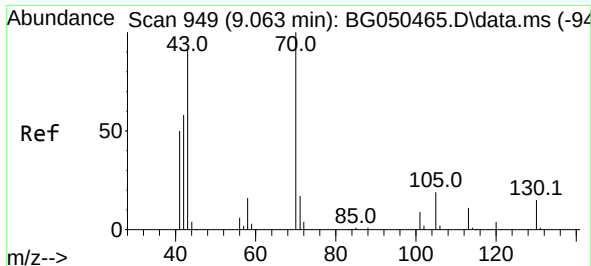
Tgt Ion: 99 Resp: 158453
Ion Ratio Lower Upper
99 100
42 20.8 20.5 30.7
71 38.3 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.390 min Scan# 664
Delta R.T. 0.001 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion: 77 Resp: 289
Ion Ratio Lower Upper
77 100
105 60.8 68.8 108.8#
106 0.0 47.9 87.9#

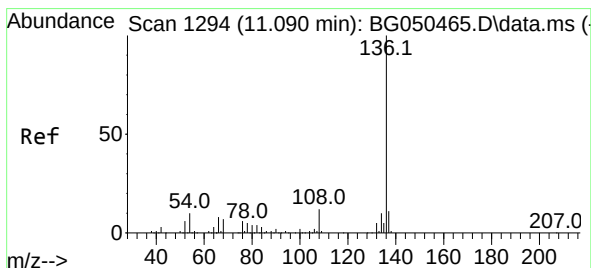
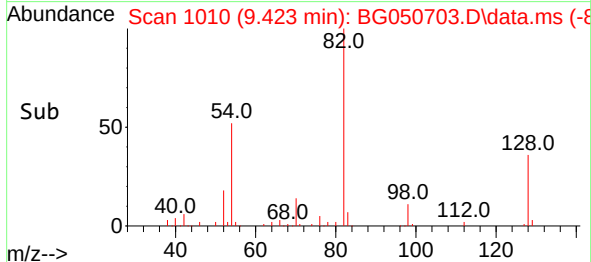
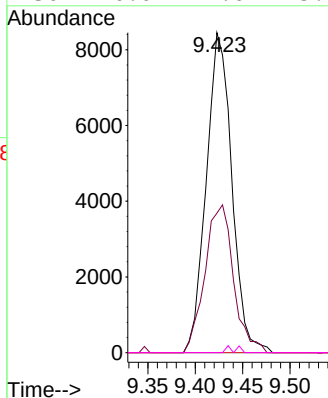
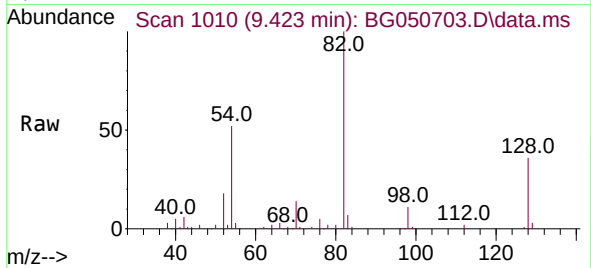




#19
n-Nitroso-di-n-propylamine
Concen: 4.098 ng
RT: 9.423 min Scan# 1010
Delta R.T. 0.365 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

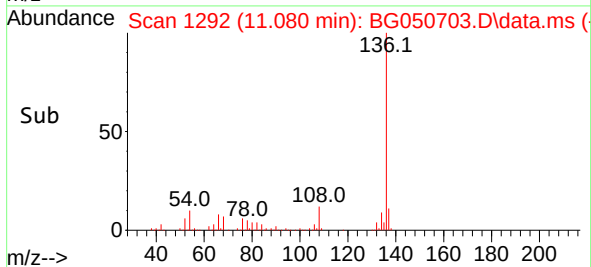
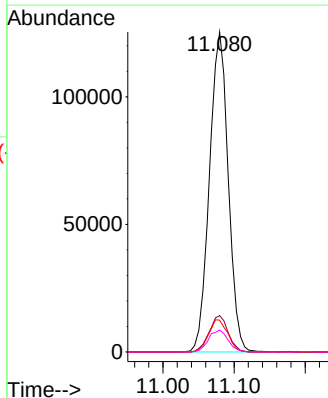
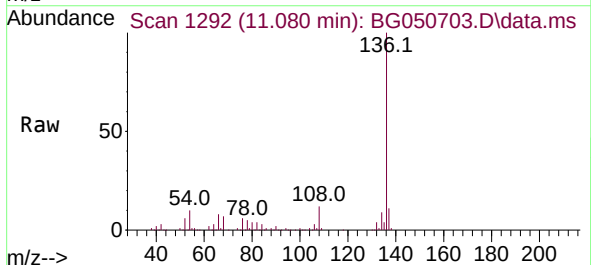
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

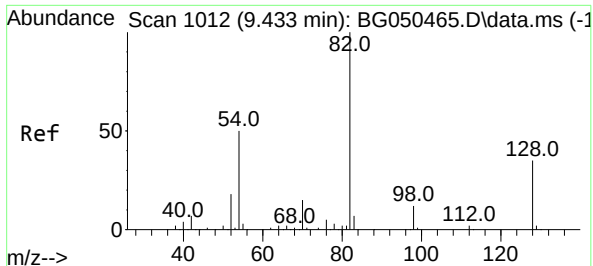
Tgt Ion:	70	Resp:	15849
Ion	Ratio	Lower	Upper
70	100		
42	43.6	54.5	81.7#
101	0.0	9.0	13.6#
130	0.0	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.080 min Scan# 1292
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:	136	Resp:	229809
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.2
54	9.9	5.5	8.3#
68	6.9	2.3	3.5#

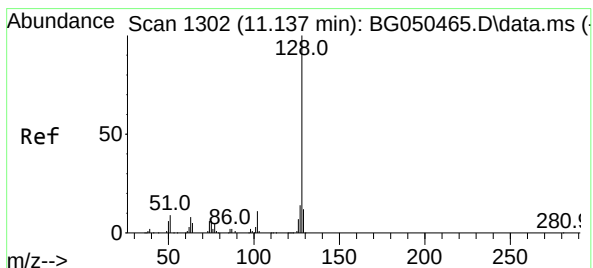
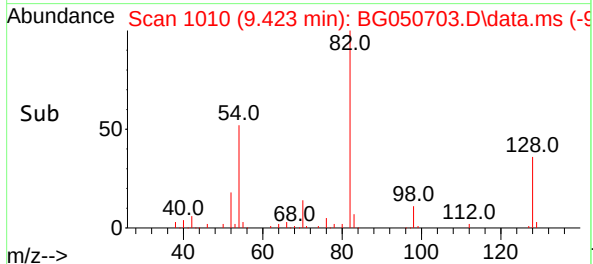
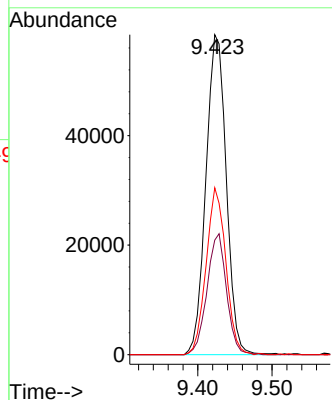
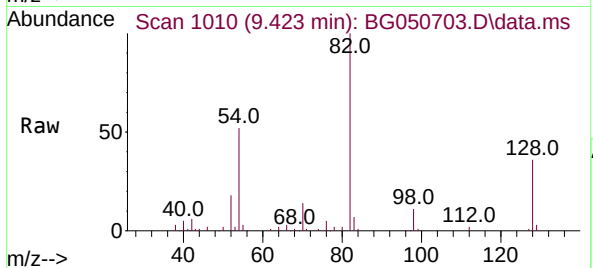




#23
Nitrobenzene-d5
Concen: 20.103 ng
RT: 9.423 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

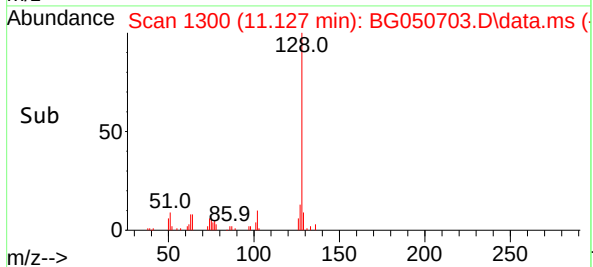
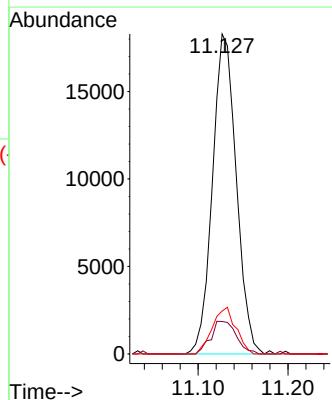
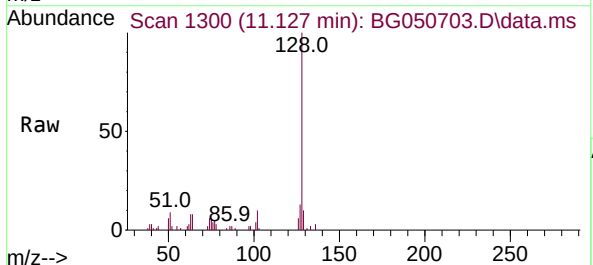
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

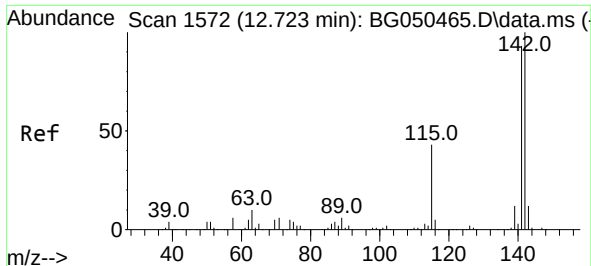
Tgt Ion: 82 Resp: 111603
Ion Ratio Lower Upper
82 100
128 35.8 29.8 44.6
54 52.2 45.8 68.8



#31
Naphthalene
Concen: 2.741 ng
RT: 11.127 min Scan# 1300
Delta R.T. -0.011 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion: 128 Resp: 33718
Ion Ratio Lower Upper
128 100
129 10.1 8.5 12.7
127 13.4 10.2 15.4

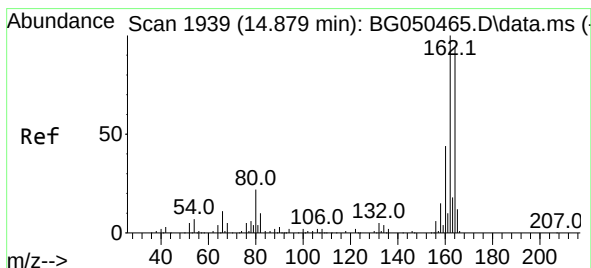
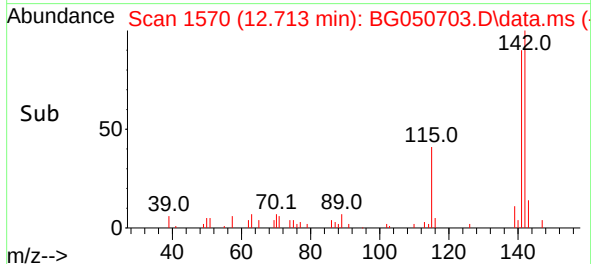
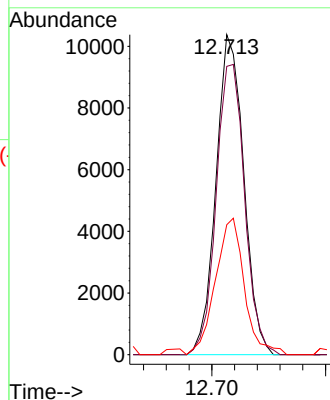
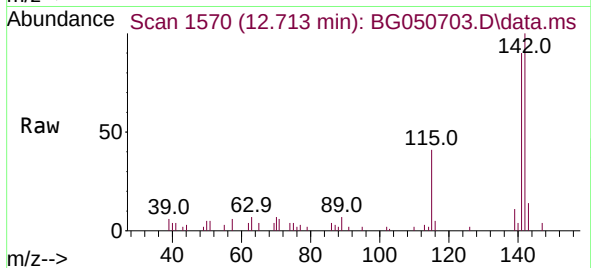




#37
2-Methylnaphthalene
Concen: 2.074 ng
RT: 12.713 min Scan# 1570
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

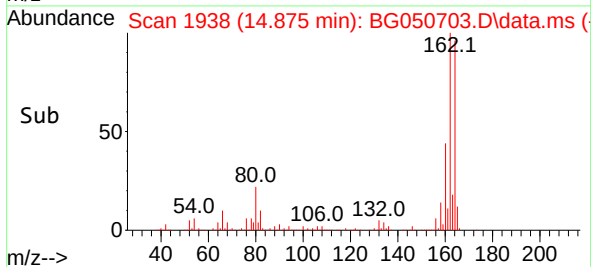
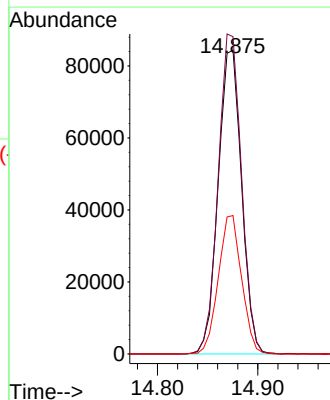
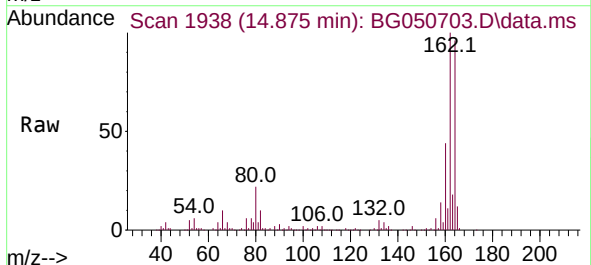
Instrument :
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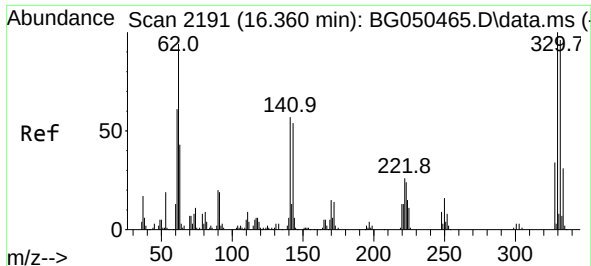
Tgt Ion:142 Resp: 17602
Ion Ratio Lower Upper
142 100
141 90.1 68.8 103.2
115 40.6 36.4 54.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

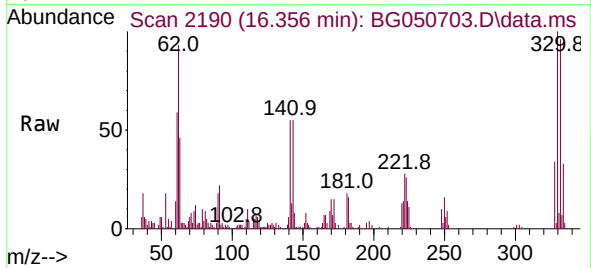
Tgt Ion:164 Resp: 136588
Ion Ratio Lower Upper
164 100
162 104.4 81.4 122.0
160 45.5 34.9 52.3



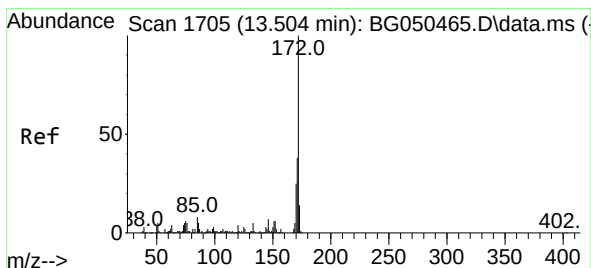
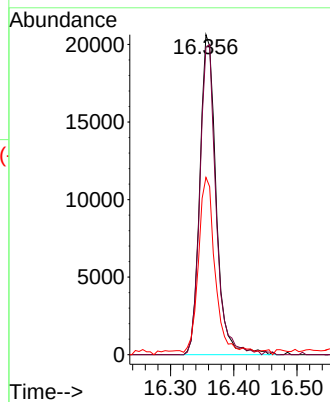
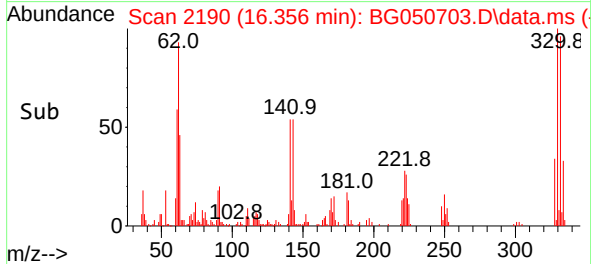


#42
2,4,6-Tribromophenol
Concen: 28.320 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

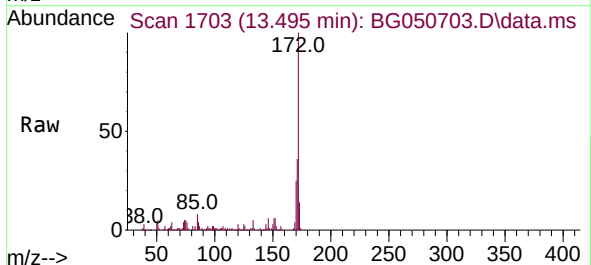
Instrument :
BNA_G
ClientSampleId :
OR-2-102121



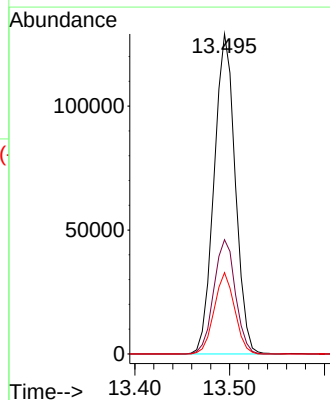
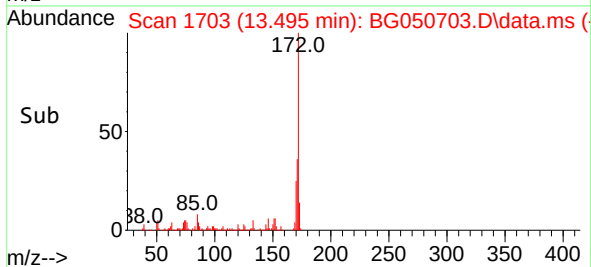
Tgt Ion:330 Resp: 36895
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 53.8 35.6 53.4#

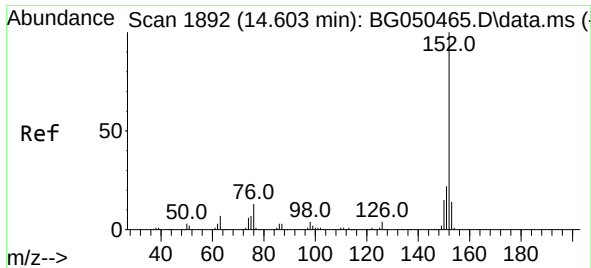


#45
2-Fluorobiphenyl
Concen: 22.088 ng
RT: 13.495 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26



Tgt Ion:172 Resp: 200456
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 25.4 18.6 27.8

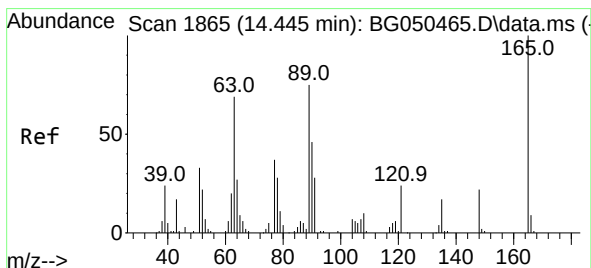
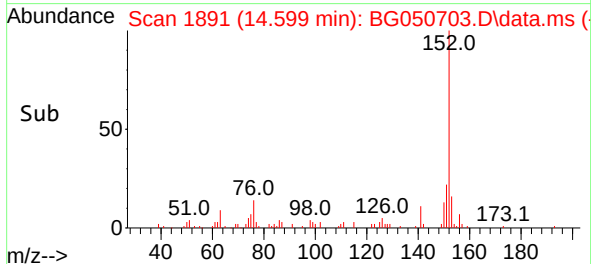
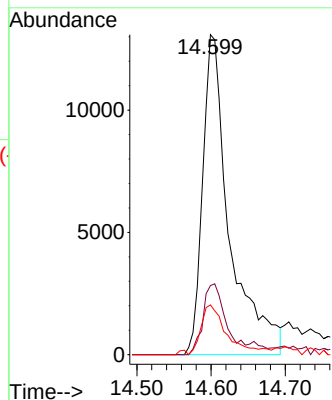
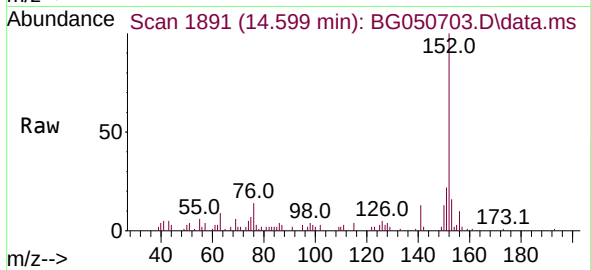




#49
Acenaphthylene
Concen: 2.634 ng
RT: 14.599 min Scan# 1891
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

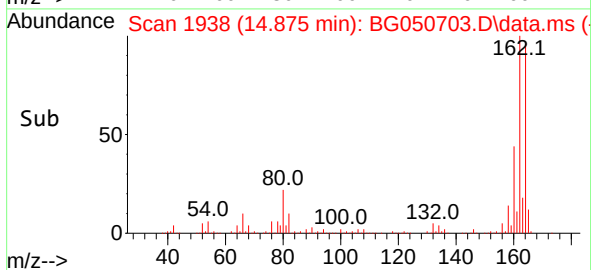
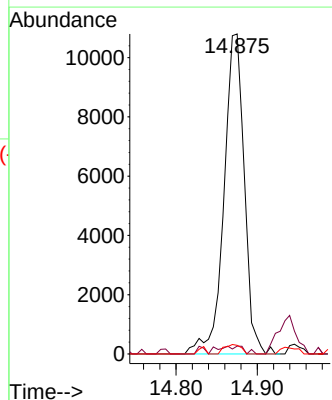
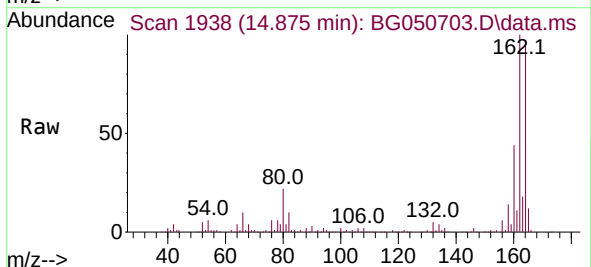
Instrument :
BNA_G
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OR-2-102121

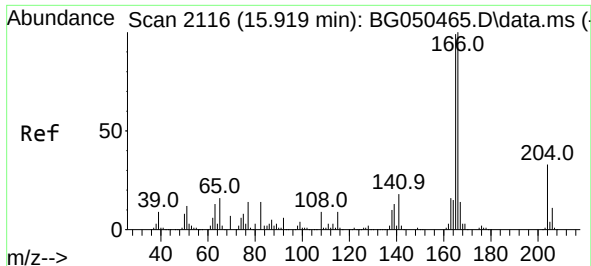
Tgt Ion:152 Resp: 33022
Ion Ratio Lower Upper
152 100
151 21.6 18.2 27.4
153 15.6 11.7 17.5



#51
2,6-Dinitrotoluene
Concen: 9.091 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:165 Resp: 18799
Ion Ratio Lower Upper
165 100
63 2.5 63.3 94.9#
89 2.7 63.4 95.0#

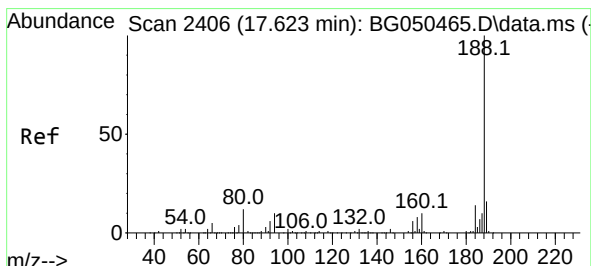
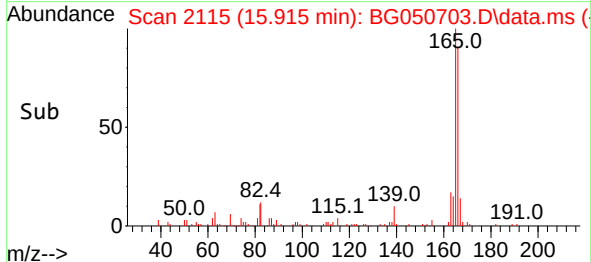
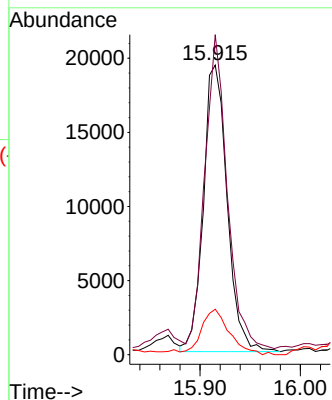
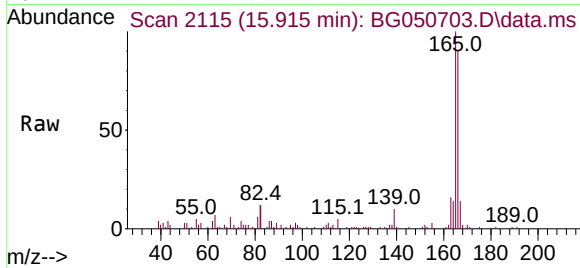




#58
Fluorene
Concen: 3.340 ng
RT: 15.915 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

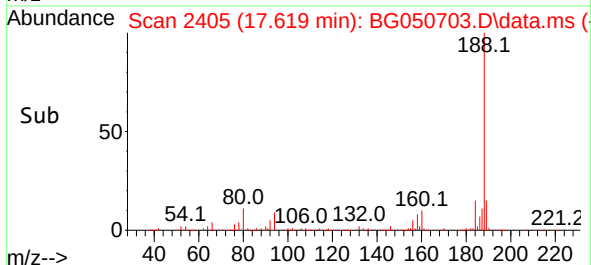
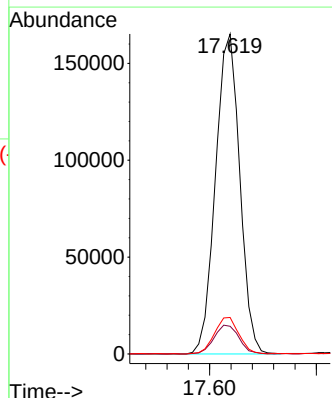
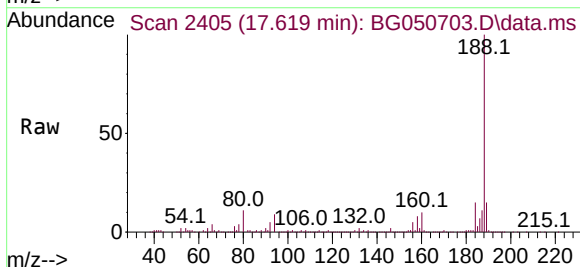
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

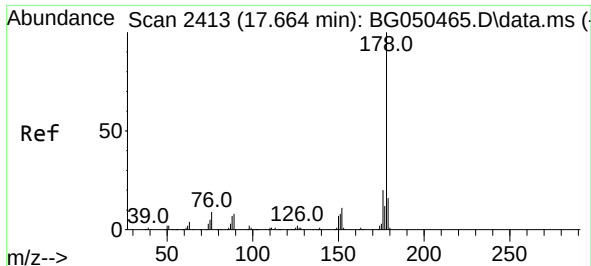
Tgt Ion:166 Resp: 31956
Ion Ratio Lower Upper
166 100
165 110.5 77.7 116.5
167 15.7 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. 0.001 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:188 Resp: 260251
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0#
80 11.4 3.7 5.5#

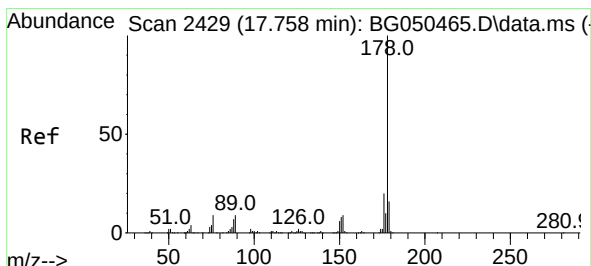
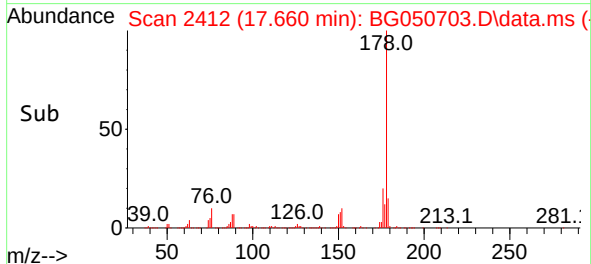
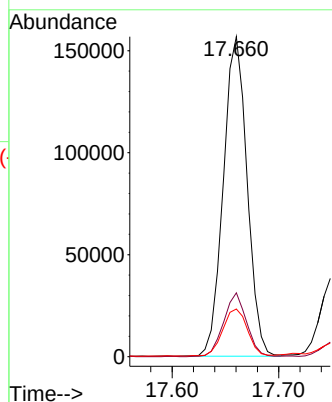
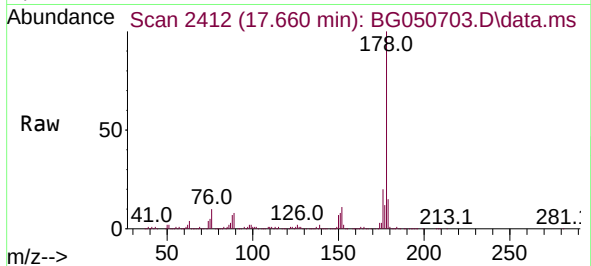




#71
Phenanthrene
Concen: 17.654 ng
RT: 17.660 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

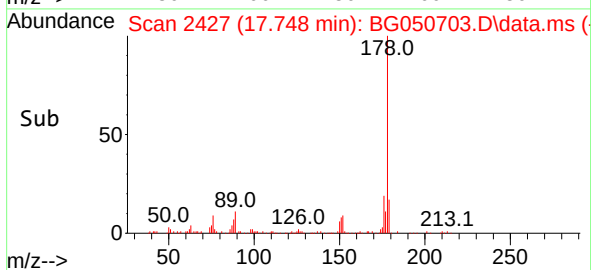
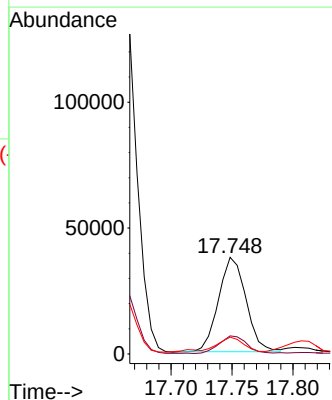
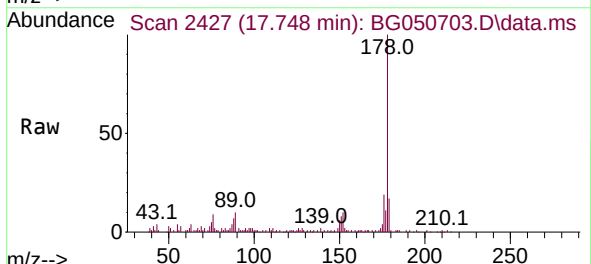
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

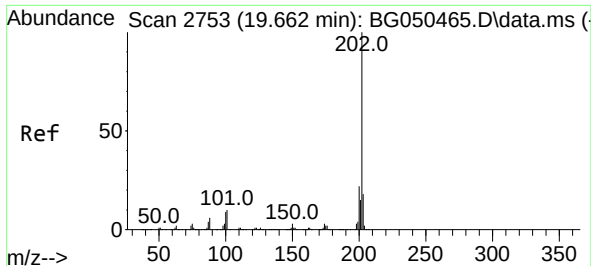
Tgt Ion:178 Resp: 242114
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 14.9 14.2 21.4



#72
Anthracene
Concen: 4.331 ng
RT: 17.748 min Scan# 2427
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:178 Resp: 59029
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 17.3 13.4 20.0

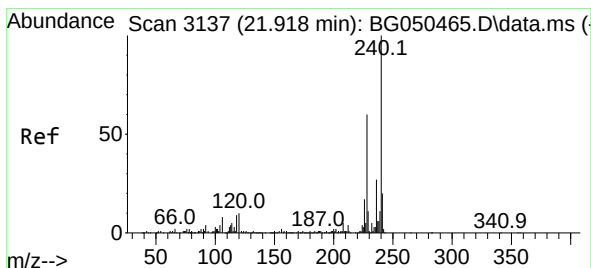
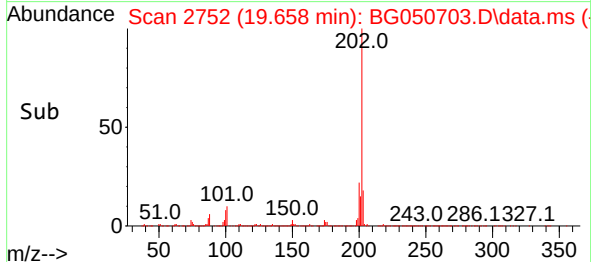
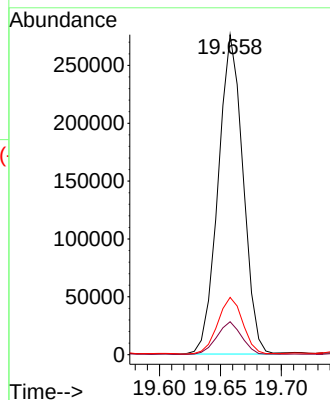
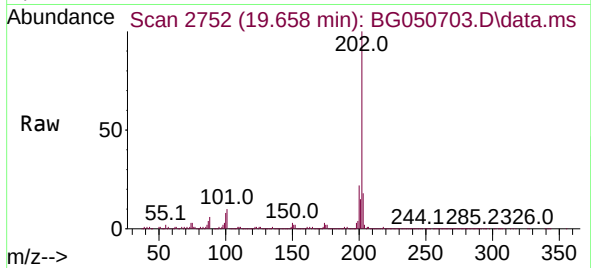




#75
Fluoranthene
Concen: 23.218 ng
RT: 19.658 min Scan# 2752
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

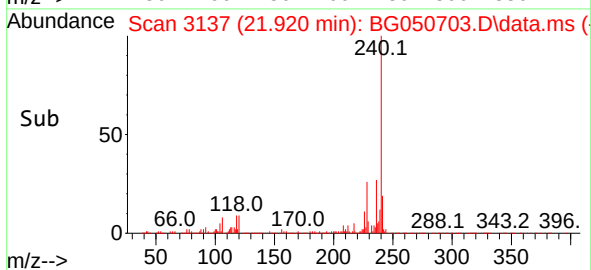
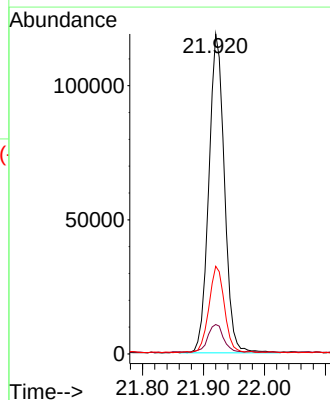
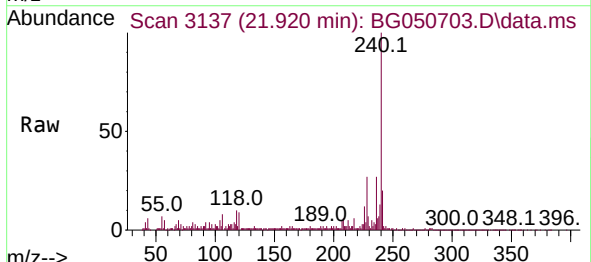
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

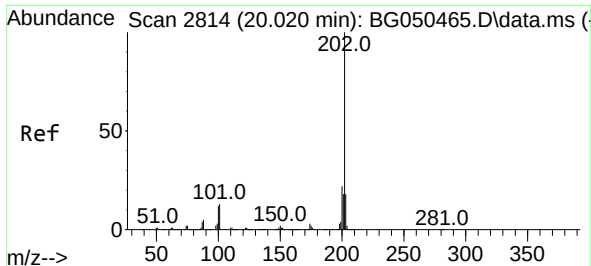
Tgt Ion:202 Resp: 391408
Ion Ratio Lower Upper
202 100
101 10.3 0.0 24.7
203 17.9 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3137
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:240 Resp: 211561
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 27.4 21.8 32.6

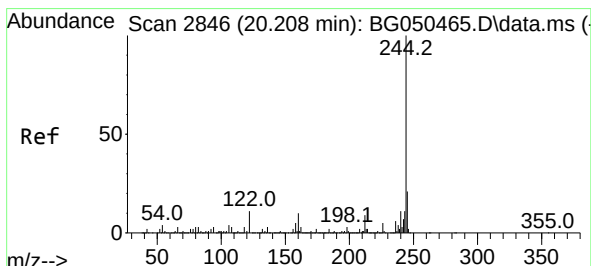
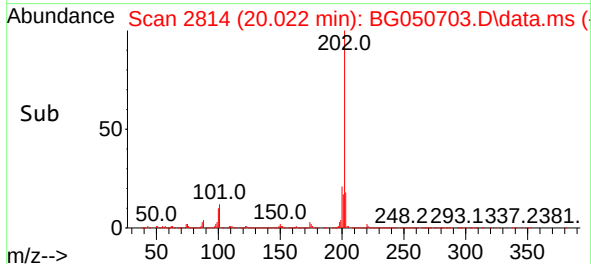
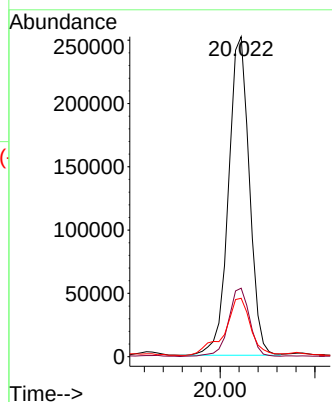
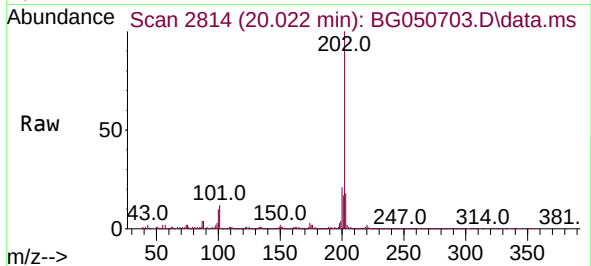




#78
Pyrene
Concen: 25.550 ng
RT: 20.022 min Scan# 2814
Delta R.T. 0.001 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

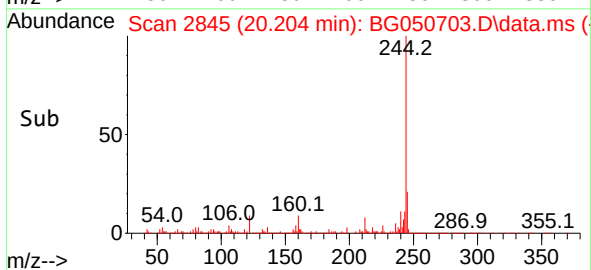
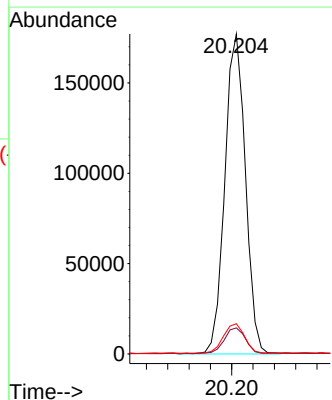
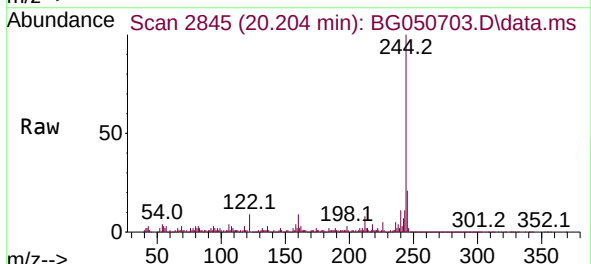
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

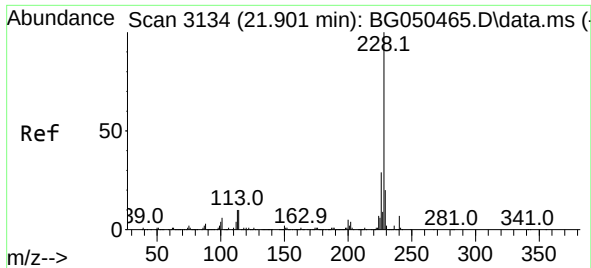
Tgt Ion:	202	Resp:	383514
Ion Ratio	Lower	Upper	
202	100		
200	21.4	15.8	23.8
203	18.2	14.6	21.8



#79
Terphenyl-d14
Concen: 21.817 ng
RT: 20.204 min Scan# 2845
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:	244	Resp:	236842
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.9	10.3
122	9.5	5.0	7.6#

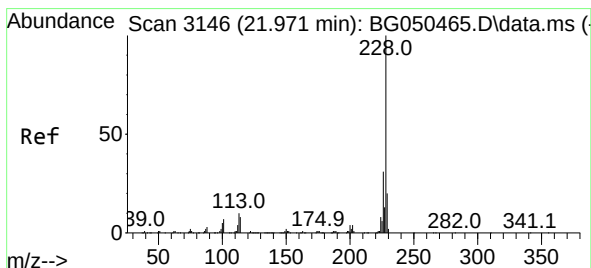
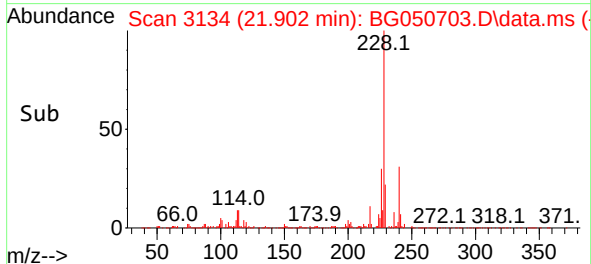
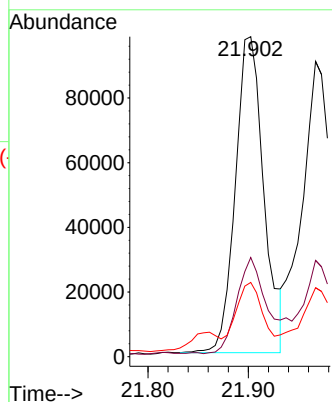
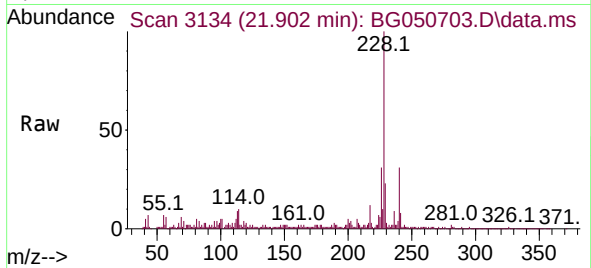




#81
Benzo(a)anthracene
Concen: 13.763 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

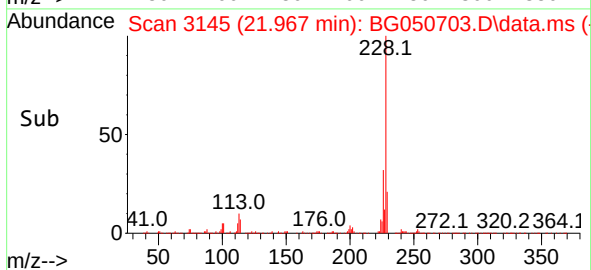
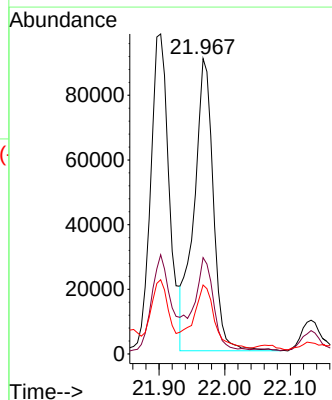
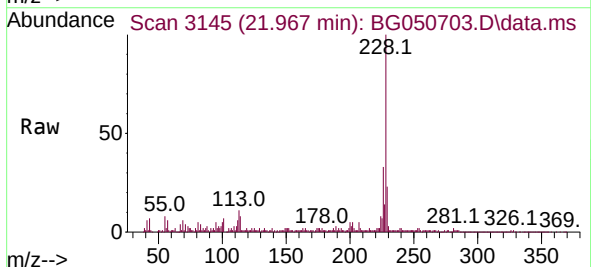
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

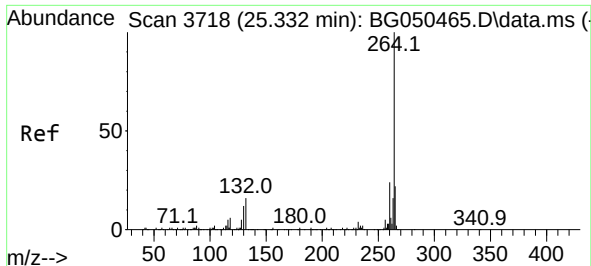
Tgt Ion:228 Resp: 192670
Ion Ratio Lower Upper
228 100
226 31.0 22.7 34.1
229 23.2 16.0 24.0



#83
Chrysene
Concen: 14.093 ng
RT: 21.967 min Scan# 3145
Delta R.T. -0.005 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:228 Resp: 185570
Ion Ratio Lower Upper
228 100
226 32.6 23.1 34.7
229 23.4 15.3 22.9#

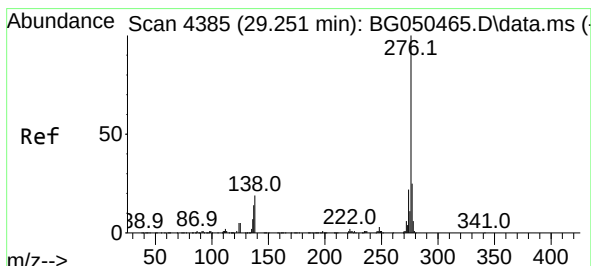
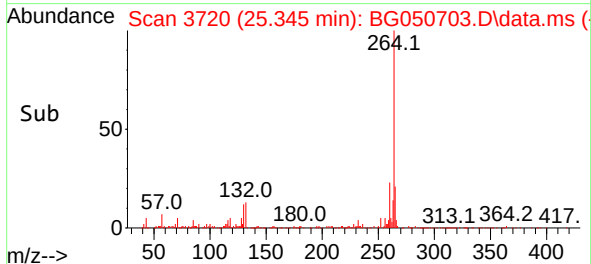
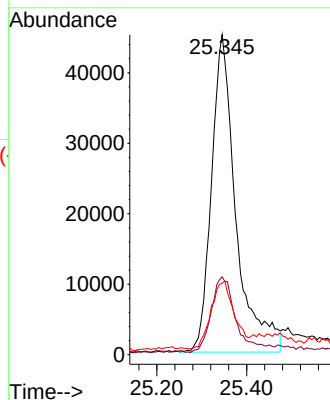
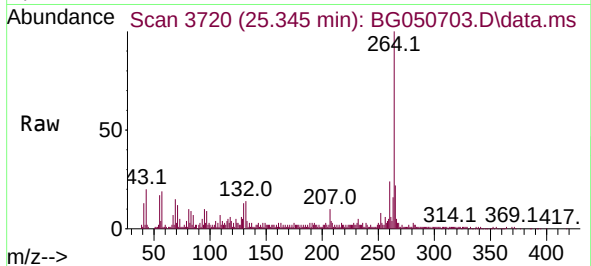




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.345 min Scan# 3720
Delta R.T. 0.013 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

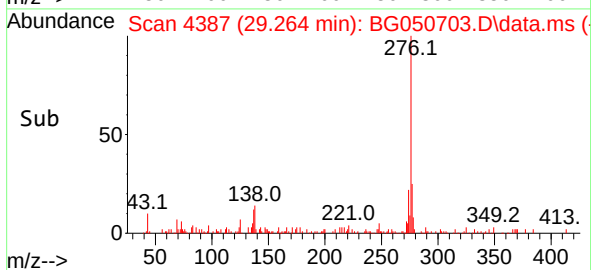
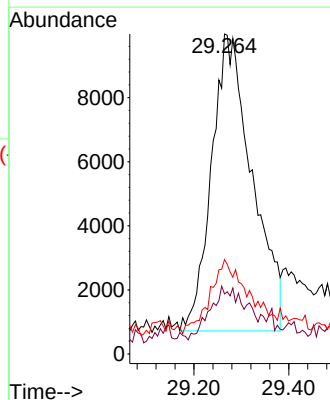
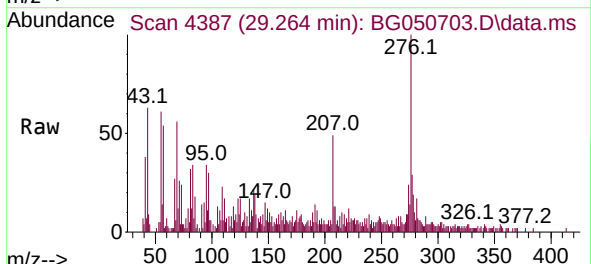
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

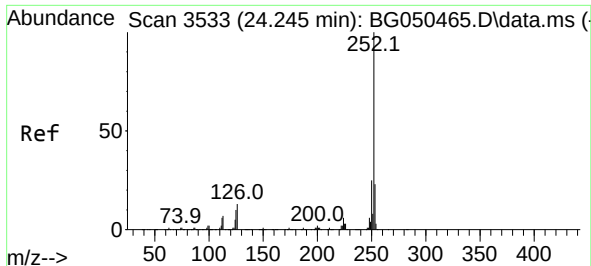
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.3	16.9	25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.639 ng
RT: 29.264 min Scan# 4387
Delta R.T. 0.001 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.7	5.1	7.7#
277	24.0	19.8	29.6

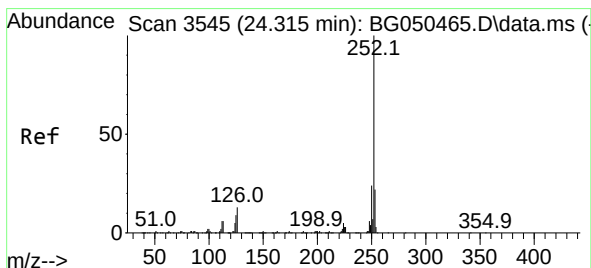
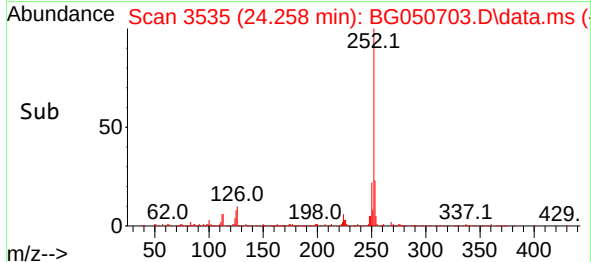
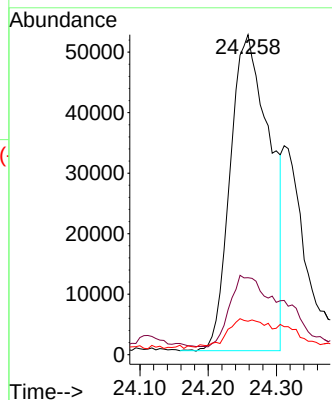
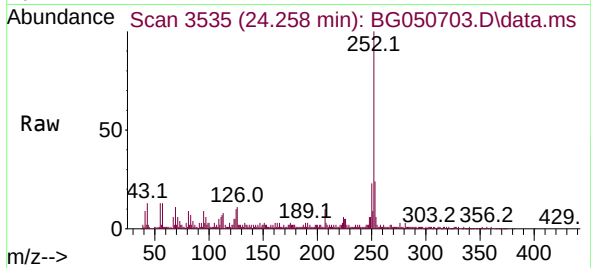




#88
Benzo(b)fluoranthene
Concen: 20.143 ng
RT: 24.258 min Scan# 3535
Delta R.T. 0.013 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

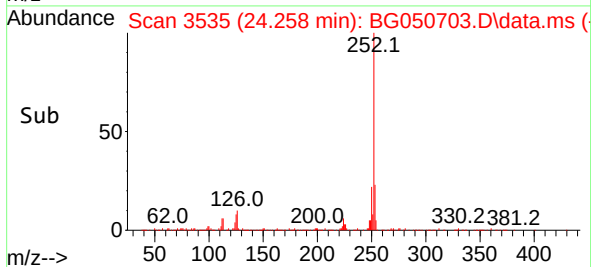
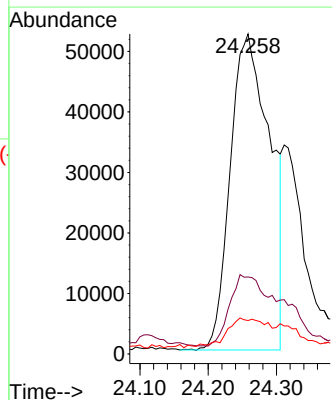
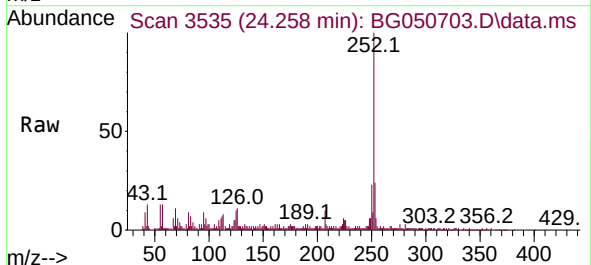
Instrument :
BNA_G
ClientSampleId :
OR-2-102121

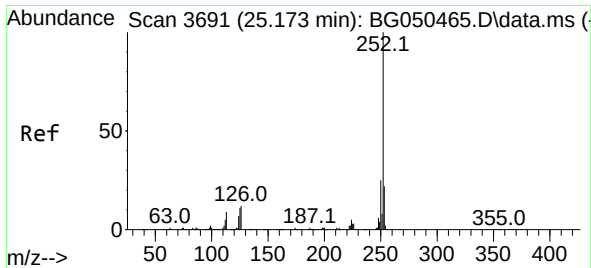
Tgt Ion:252 Resp: 210763
Ion Ratio Lower Upper
252 100
253 24.0 16.2 24.4
125 10.4 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 20.475 ng
RT: 24.258 min Scan# 3535
Delta R.T. -0.058 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:252 Resp: 210763
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 10.4 3.1 4.7#

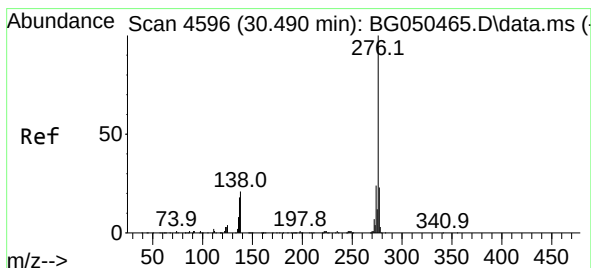
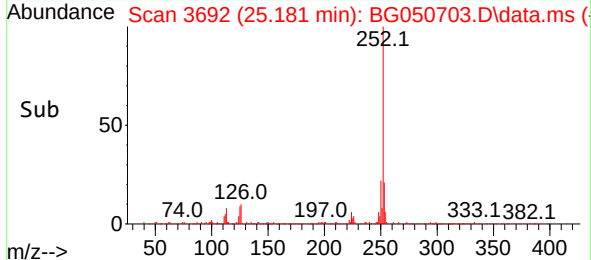
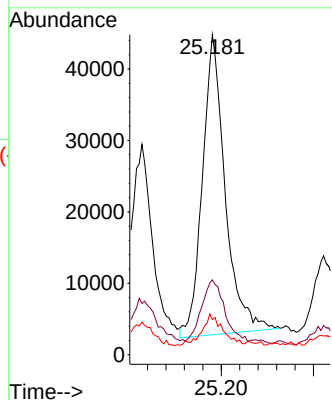
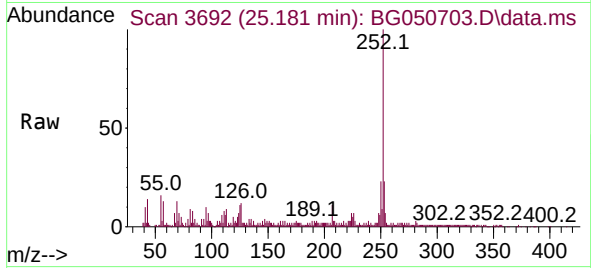




#90
Benzo(a)pyrene
Concen: 16.215 ng
RT: 25.181 min Scan# 3692
Delta R.T. 0.007 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Instrument :
BNA_G
ClientSampleId :
OR-2-102121

Tgt Ion:252 Resp: 144258
Ion Ratio Lower Upper
252 100
253 23.4 16.6 25.0
125 11.0 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 5.167 ng
RT: 30.504 min Scan# 4598
Delta R.T. 0.007 min
Lab File: BG050703.D
Acq: 23 Oct 2021 00:26

Tgt Ion:276 Resp: 49814
Ion Ratio Lower Upper
276 100
277 27.8 18.4 27.6#
138 22.1 7.0 10.6#

