

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053672.D
 Acq On : 23 May 2022 20:08
 Operator : CG/JU
 Sample : N2968-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-38

Quant Time: May 24 05:10:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

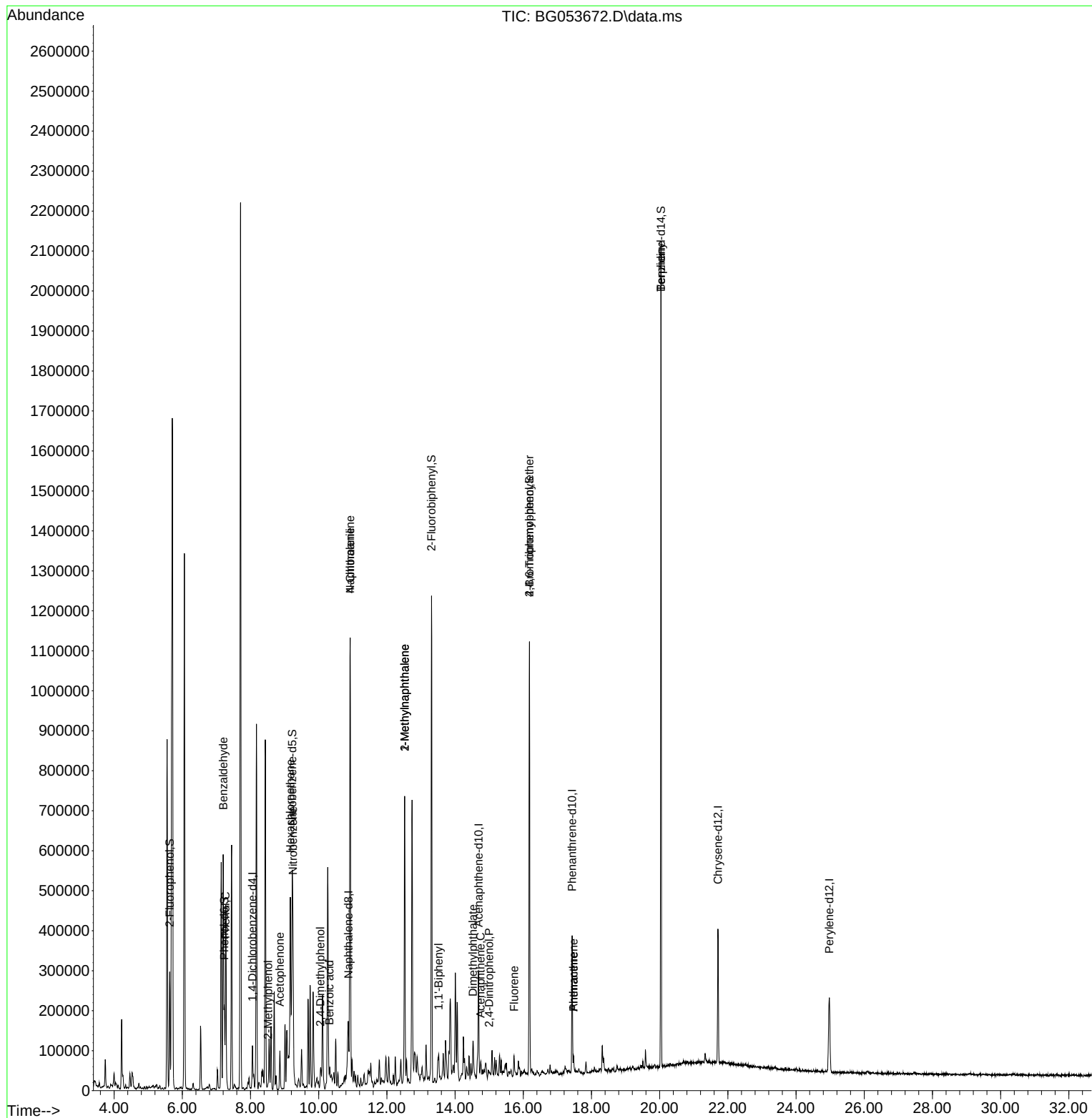
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	29645	20.000	ng	0.00
21) Naphthalene-d8	10.872	136	121767	20.000	ng	0.00
39) Acenaphthene-d10	14.690	164	93993	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	214611	20.000	ng	0.00
76) Chrysene-d12	21.710	240	210987	20.000	ng	0.00
86) Perylene-d12	24.976	264	212581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.632	112	116829	66.883	ng	0.00
7) Phenol-d6	7.230	99	117567	44.348	ng	0.00
23) Nitrobenzene-d5	9.227	82	275836	96.429	ng	0.00
42) 2,4,6-Tribromophenol	16.182	330	214716	154.886	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	640109	99.516	ng	0.00
79) Terphenyl-d14	20.042	244	1044746	92.224	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.200	77	48258	28.654	ng	# 1
10) Phenol	7.265	94	10560	4.073	ng	# 11
17) 2-Methylphenol	8.516	107	3982	2.272	ng	# 87
18) Hexachloroethane	9.168	117	53106	64.330	ng	# 1
22) Acetophenone	8.863	105	63632	19.094	ng	# 54
24) Nitrobenzene	9.244	77	10719	3.872	ng	# 1
27) 2,4-Dimethylphenol	10.049	122	5296	3.138	ng	90
31) Naphthalene	10.925	128	864545	139.578	ng	100
32) Benzoic acid	10.319	122	7399	14.260	ng	# 76
33) 4-Chloroaniline	10.925	127	118211	45.571	ng	# 32
37) 2-Methylnaphthalene	12.522	142	332443	71.920	ng	98
38) 1-Methylnaphthalene	12.522	142	332443	73.714	ng	93
46) 1,1'-Biphenyl	13.521	154	27317	4.264	ng	94
50) Dimethylphthalate	14.526	163	67706	9.479	ng	# 92
52) Acenaphthene	14.749	154	12638	2.647	ng	97
54) 2,4-Dinitrophenol	14.995	184	58	6.302	ng	# 1
58) Fluorene	15.730	166	18399	2.674	ng	97
67) 4-Bromophenyl-phenylether	16.182	248	13594	5.424	ng	# 1
71) Phenanthrene	17.474	178	25337	2.322	ng	99
72) Anthracene	17.474	178	25337	2.362	ng	97
77) Benzidine	20.042	184	18372	4.040	ng	# 94

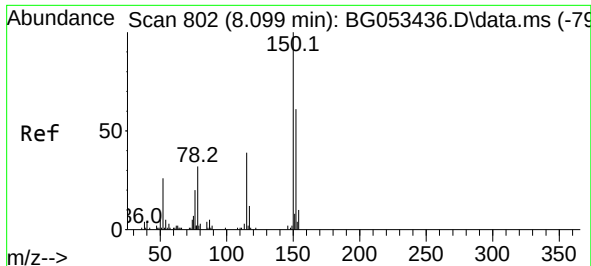
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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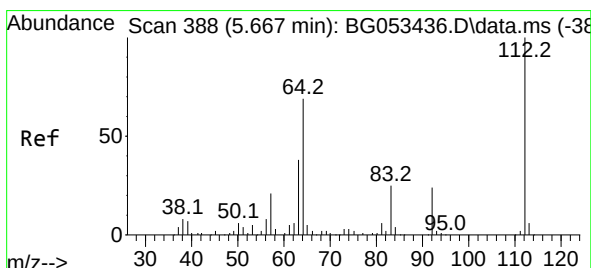
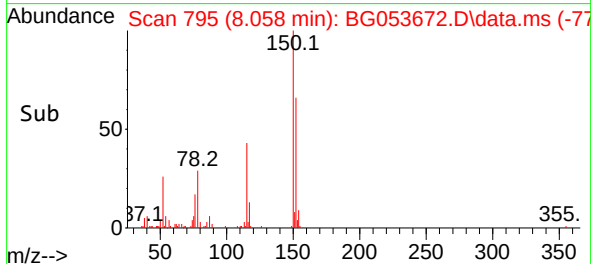
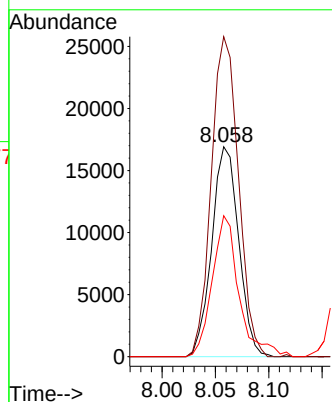
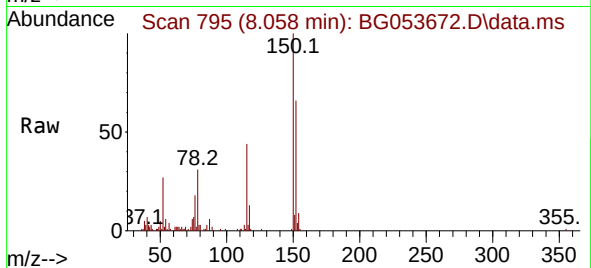




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 795
Delta R.T. -0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

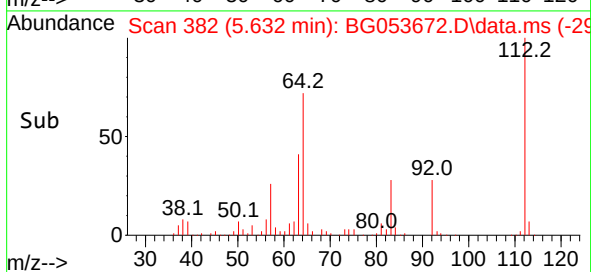
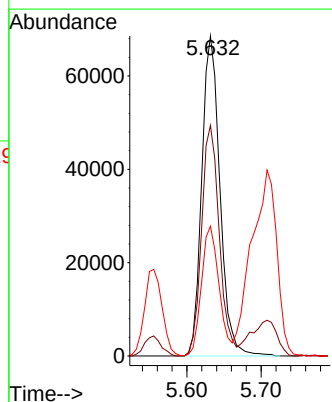
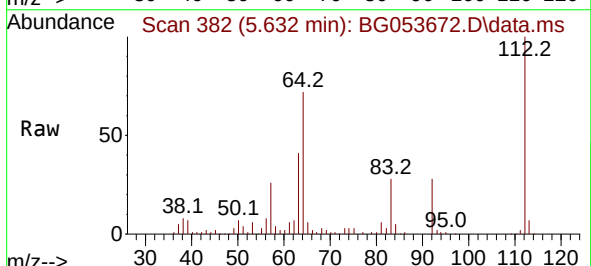
Instrument :
BNA_G
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MW-38

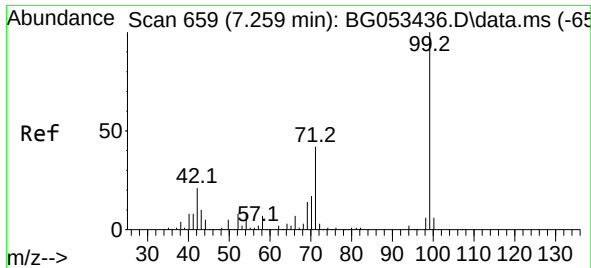
Tgt Ion:152 Resp: 29645
Ion Ratio Lower Upper
152 100
150 152.4 131.6 197.4
115 67.1 50.9 76.3



#5
2-Fluorophenol
Concen: 66.883 ng
RT: 5.632 min Scan# 382
Delta R.T. 0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:112 Resp: 116829
Ion Ratio Lower Upper
112 100
64 72.1 55.1 82.7
63 40.5 30.4 45.6

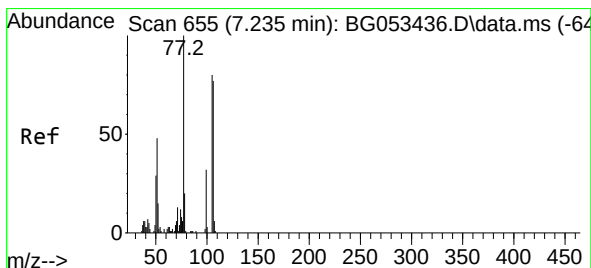
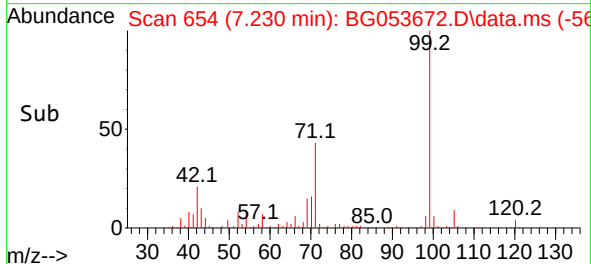
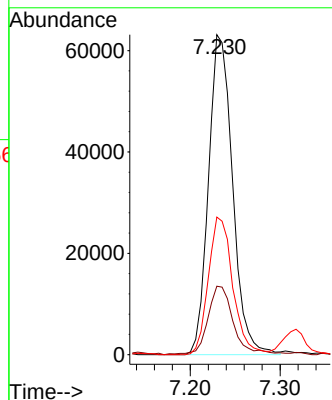
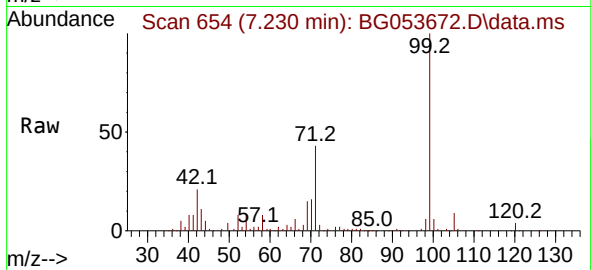




#7
Phenol-d6
Concen: 44.348 ng
RT: 7.230 min Scan# 611
Delta R.T. 0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

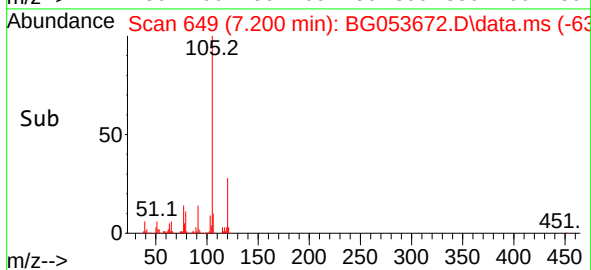
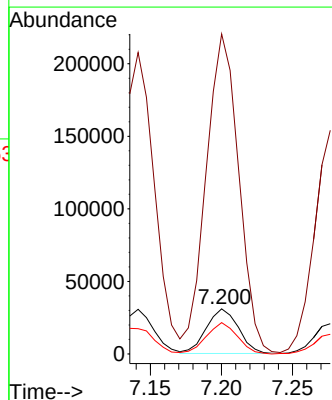
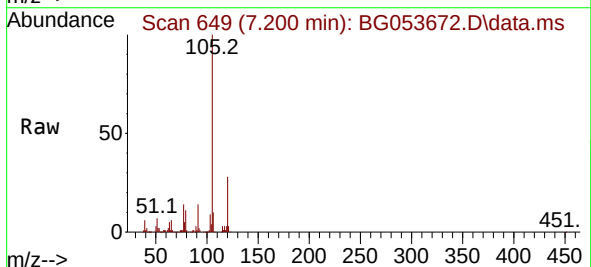
Instrument :
BNA_G
ClientSampleId :
MW-38

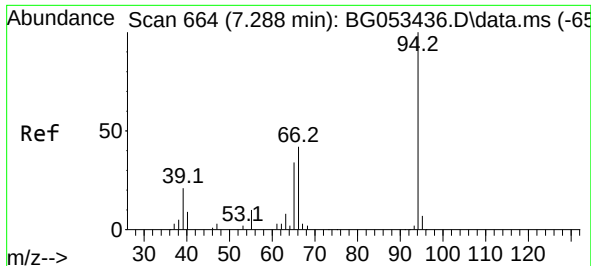
Tgt Ion: 99 Resp: 117567
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 43.0 33.8 50.8



#9
Benzaldehyde
Concen: 28.654 ng
RT: 7.200 min Scan# 649
Delta R.T. 0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion: 77 Resp: 48258
Ion Ratio Lower Upper
77 100
105 708.3 59.6 99.6#
106 69.3 56.8 96.8

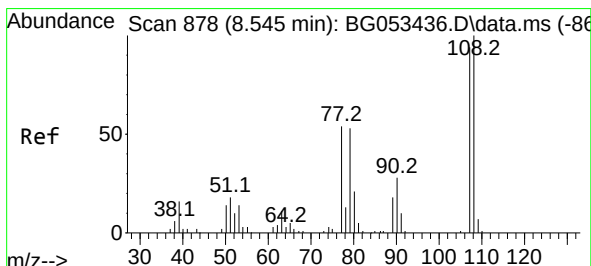
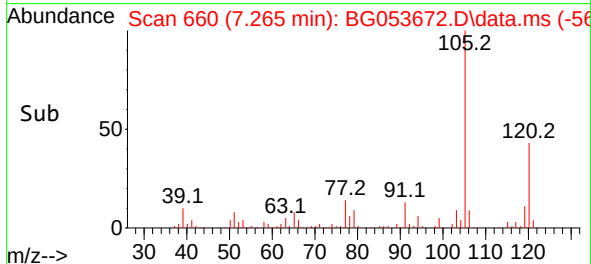
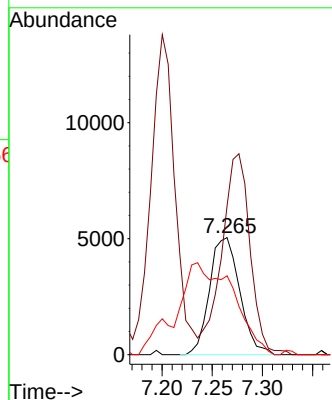
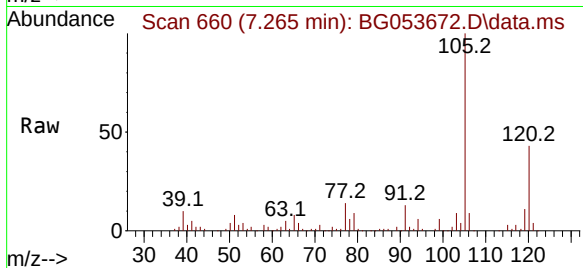




#10
Phenol
Concen: 4.073 ng
RT: 7.265 min Scan# 60
Delta R.T. 0.012 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

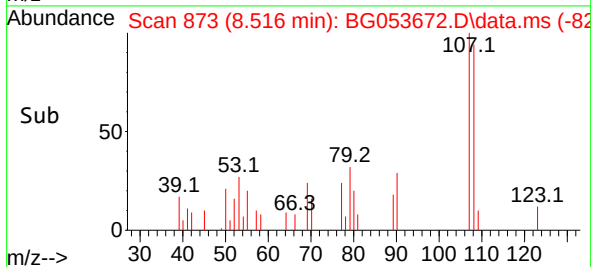
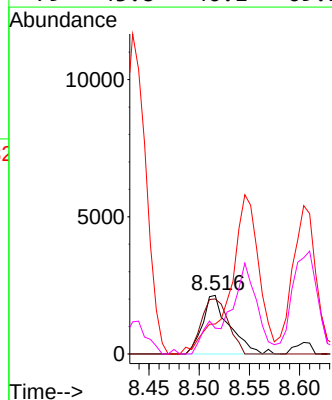
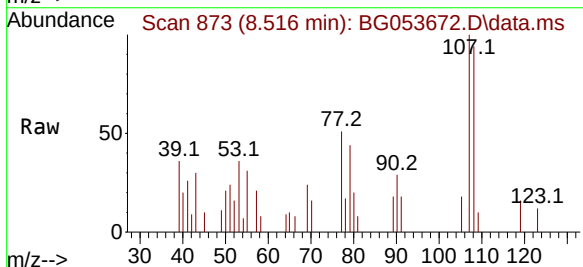
Instrument :
BNA_G
ClientSampleId :
MW-38

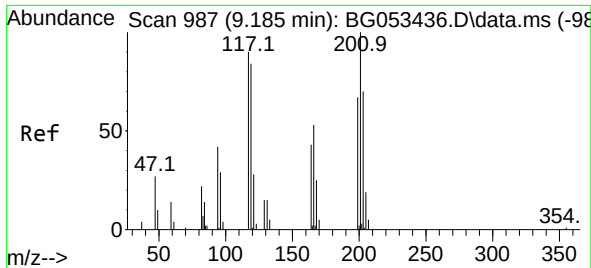
Tgt Ion: 94 Resp: 10560
Ion Ratio Lower Upper
94 100
65 127.2 14.8 54.8#
66 67.4 25.2 65.2#



#17
2-Methylphenol
Concen: 2.272 ng
RT: 8.516 min Scan# 873
Delta R.T. 0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:107 Resp: 3982
Ion Ratio Lower Upper
107 100
108 93.8 85.4 128.0
77 51.1 46.2 69.2
79 43.8 46.1 69.1#

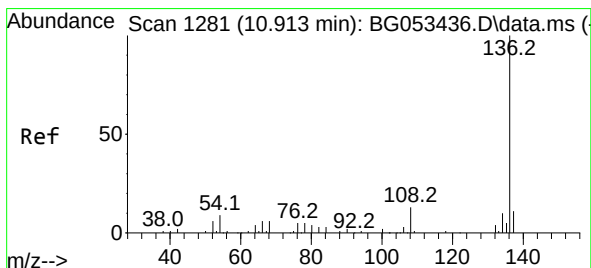
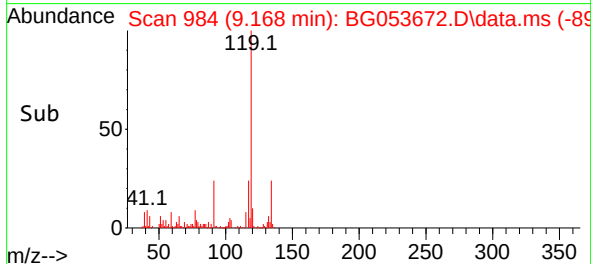
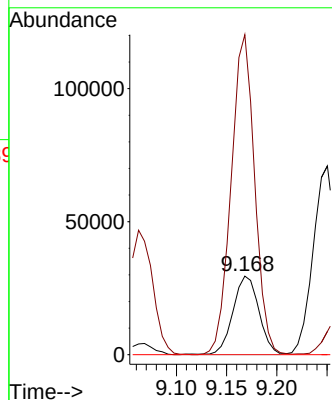
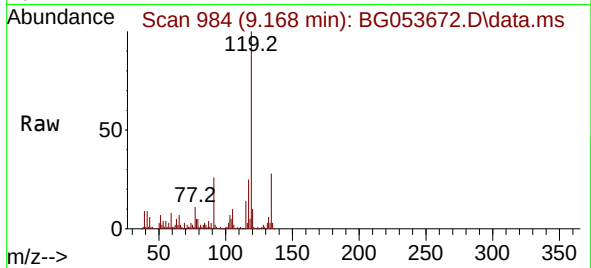




#18
Hexachloroethane
Concen: 64.330 ng
RT: 9.168 min Scan# 918
Delta R.T. 0.024 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

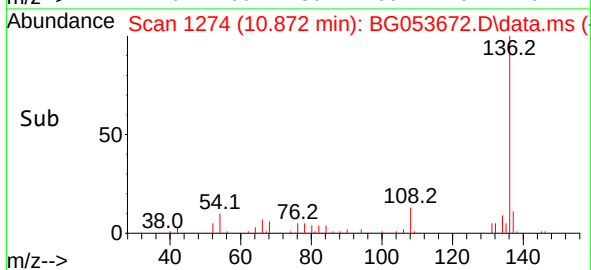
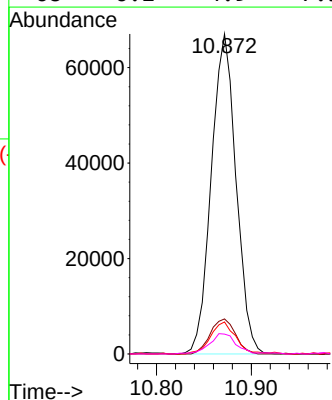
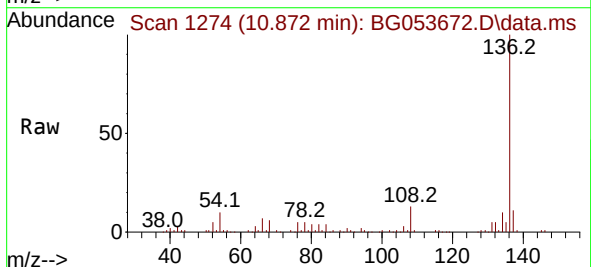
Instrument :
BNA_G
ClientSampleId :
MW-38

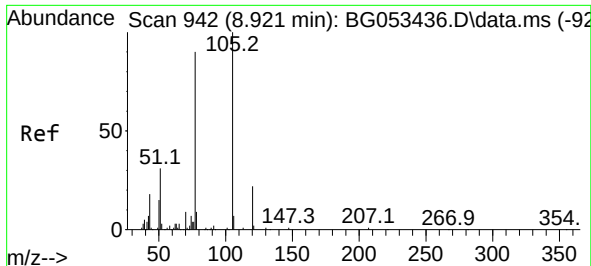
Tgt Ion:117 Resp: 53106
Ion Ratio Lower Upper
117 100
119 407.7 75.0 112.6#
201 0.0 89.0 133.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.872 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:136 Resp: 121767
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.0 7.4 11.2
68 6.2 4.9 7.3

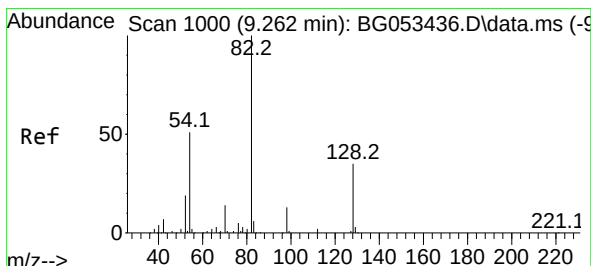
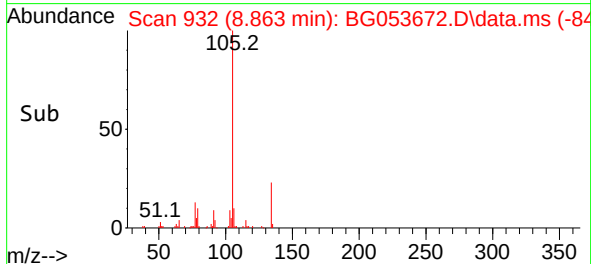
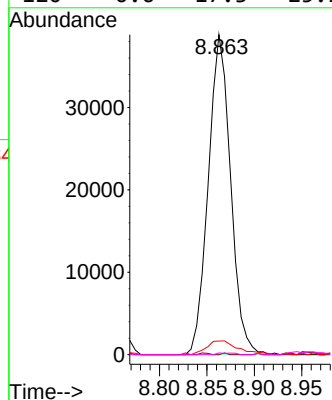
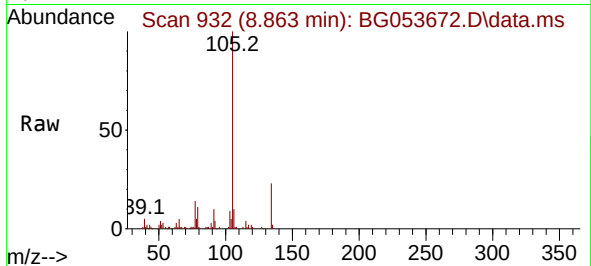




#22
Acetophenone
Concen: 19.094 ng
RT: 8.863 min Scan# 911
Delta R.T. -0.018 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

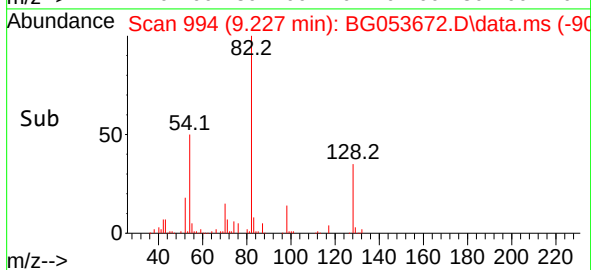
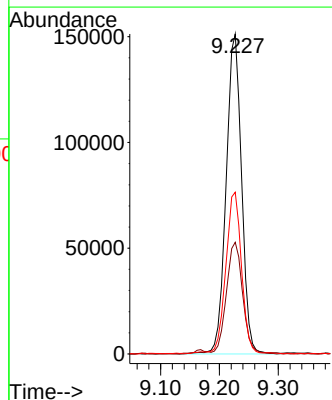
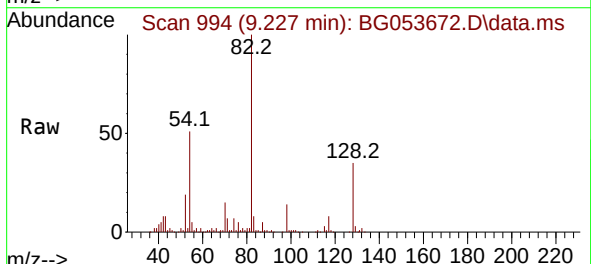
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ClientSampleId :
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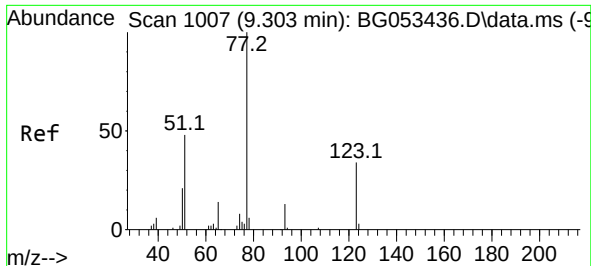
Tgt Ion:105 Resp: 63632
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 4.3 25.4 38.0#
120 0.6 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 96.429 ng
RT: 9.227 min Scan# 994
Delta R.T. 0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion: 82 Resp: 275836
Ion Ratio Lower Upper
82 100
128 34.9 27.9 41.9
54 50.5 41.2 61.8

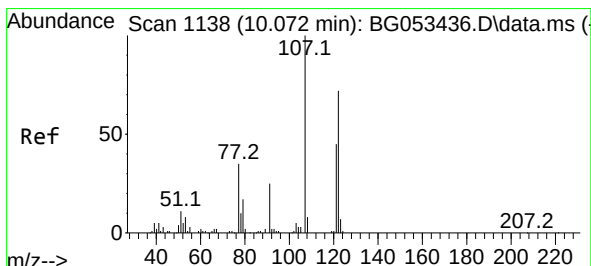
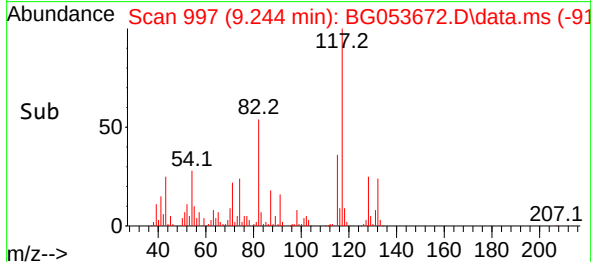
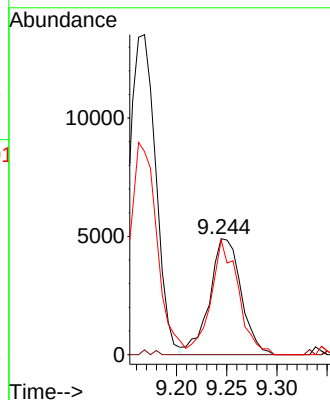
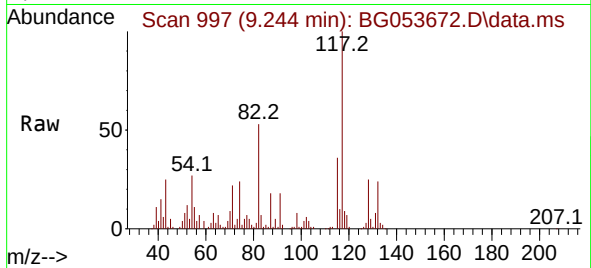




#24
Nitrobenzene
Concen: 3.872 ng
RT: 9.244 min Scan# 91
Delta R.T. -0.023 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

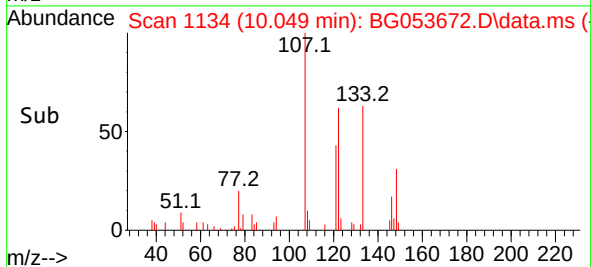
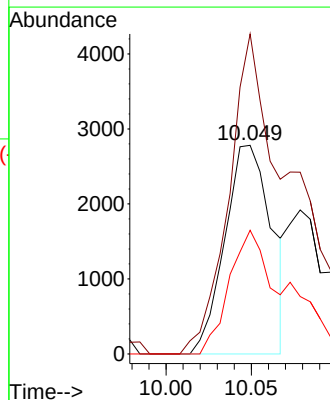
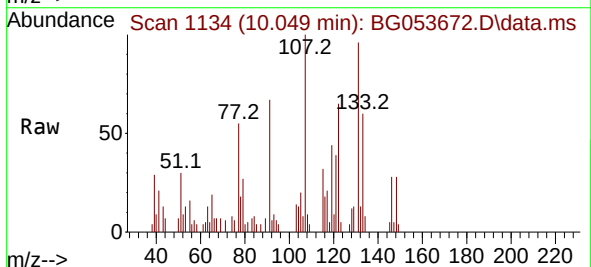
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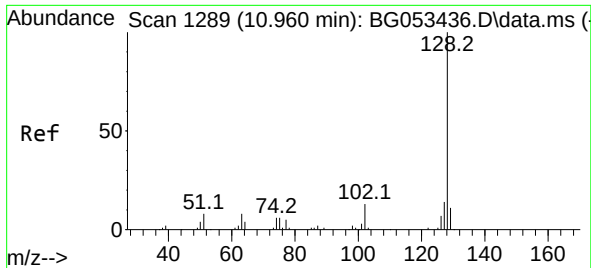
Tgt Ion: 77 Resp: 10719
Ion Ratio Lower Upper
77 100
123 0.0 27.4 41.0#
65 98.8 11.4 17.0#



#27
2,4-Dimethylphenol
Concen: 3.138 ng
RT: 10.049 min Scan# 1134
Delta R.T. 0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion: 122 Resp: 5296
Ion Ratio Lower Upper
122 100
107 153.3 109.4 164.0
121 59.3 48.7 73.1

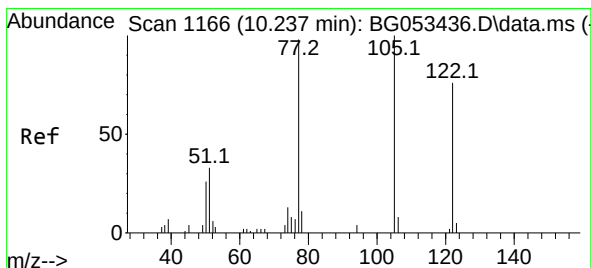
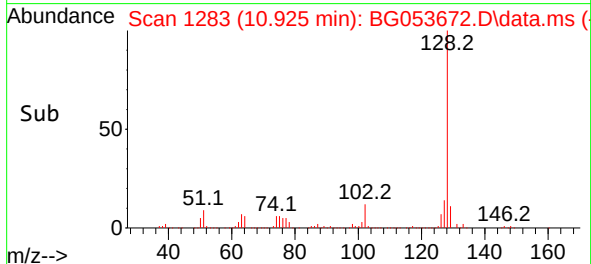
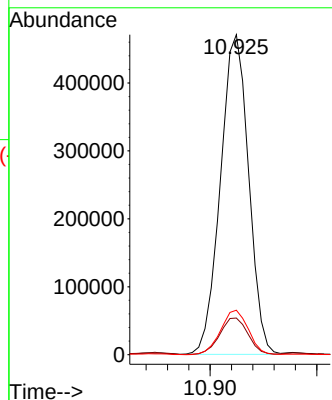
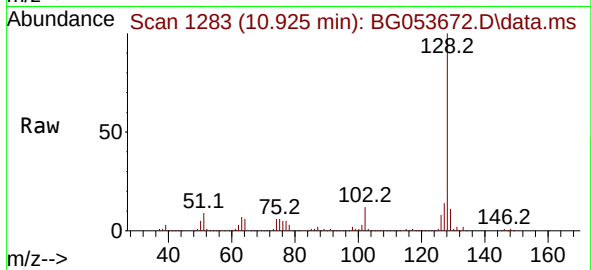




#31
Naphthalene
Concen: 139.578 ng
RT: 10.925 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

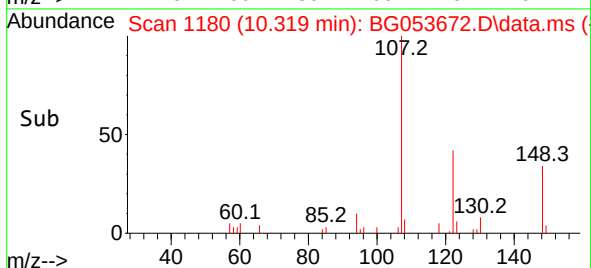
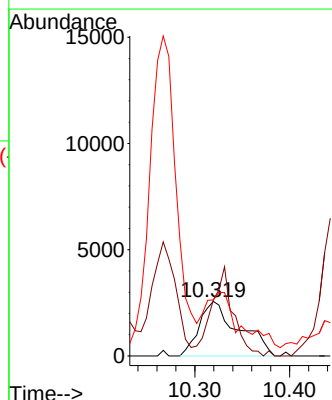
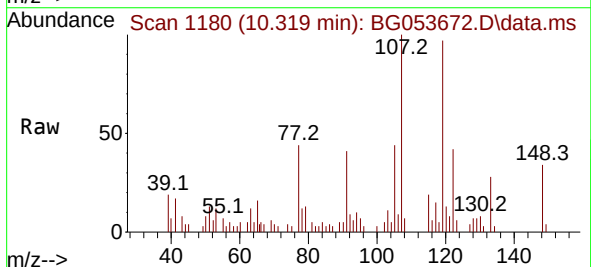
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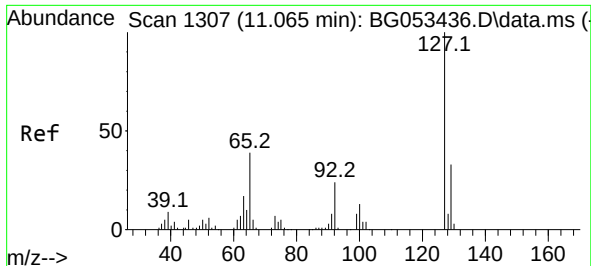
Tgt Ion:128 Resp: 864545
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.9 11.1 16.7



#32
Benzoic acid
Concen: 14.260 ng
RT: 10.319 min Scan# 1180
Delta R.T. 0.094 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:122 Resp: 7399
Ion Ratio Lower Upper
122 100
105 102.7 111.8 151.8#
77 102.6 109.4 149.4#

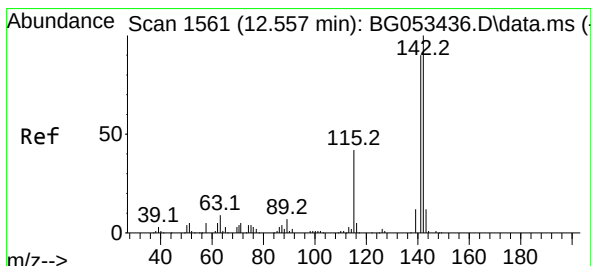
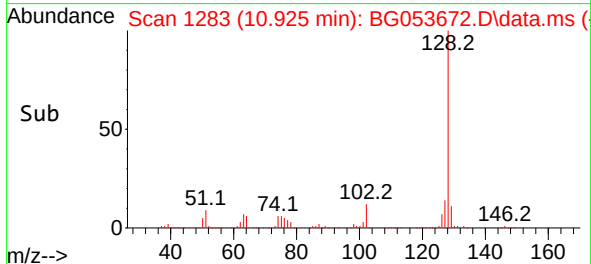
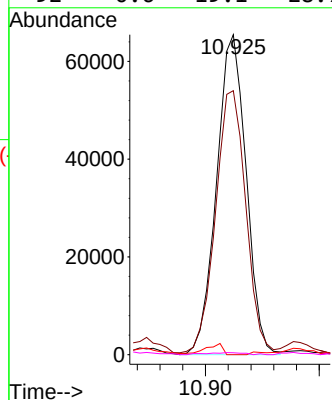
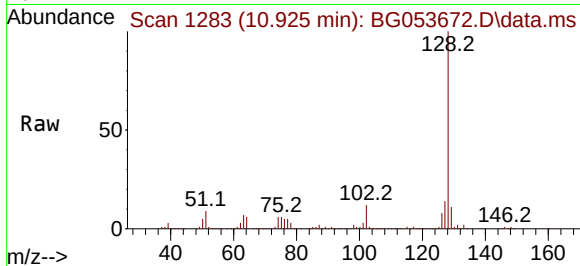




#33
4-Chloroaniline
Concen: 45.571 ng
RT: 10.925 min Scan# 11
Delta R.T. -0.106 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

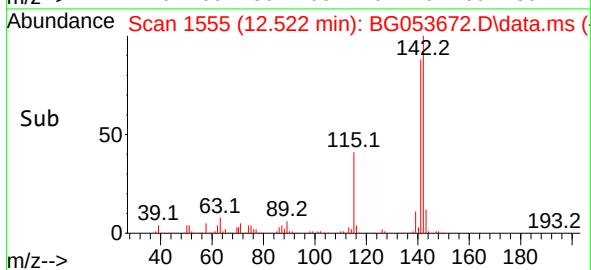
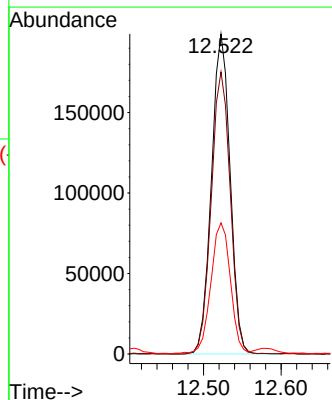
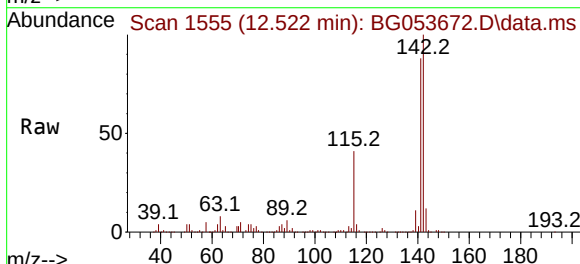
Instrument :
BNA_G
ClientSampleId :
MW-38

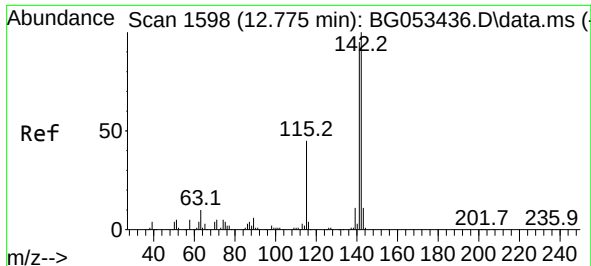
Tgt Ion:127	Resp: 118211
Ion Ratio	Lower Upper
127 100	
129 82.5	26.3 39.5#
65 0.0	31.1 46.7#
92 0.6	19.1 28.7#



#37
2-Methylnaphthalene
Concen: 71.920 ng
RT: 12.522 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:142	Resp: 332443
Ion Ratio	Lower Upper
142 100	
141 88.2	72.3 108.5
115 40.9	33.7 50.5





#38

1-Methylnaphthalene

Concen: 73.714 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.217 min

Lab File: BG053672.D

Acq: 23 May 2022 20:08

Instrument :

BNA_G

ClientSampleId :

MW-38

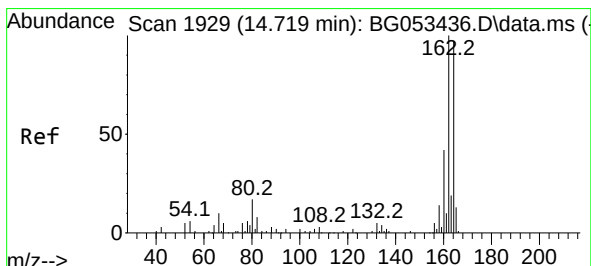
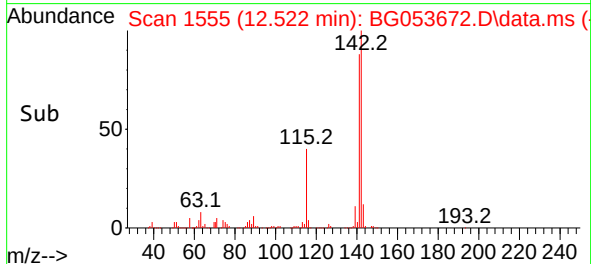
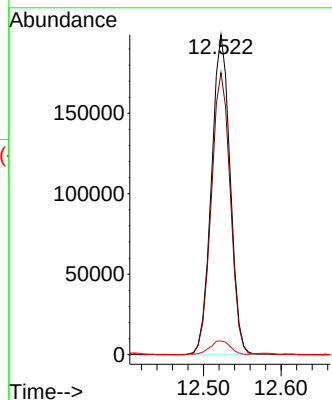
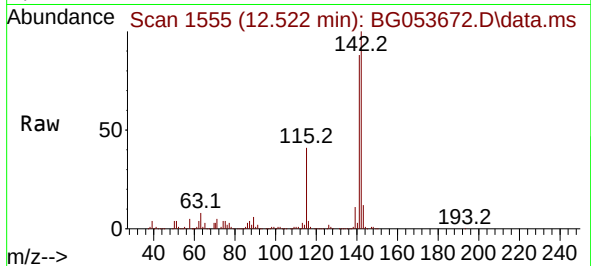
Tgt Ion:142 Resp: 332443

Ion Ratio Lower Upper

142 100

141 88.2 76.4 114.6

116 4.3 3.3 4.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.690 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BG053672.D

Acq: 23 May 2022 20:08

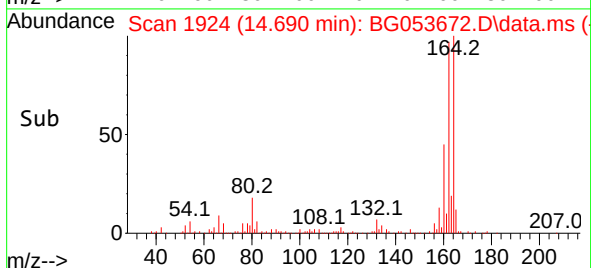
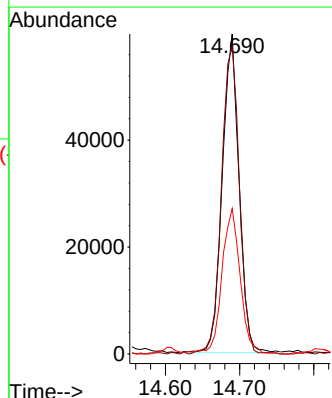
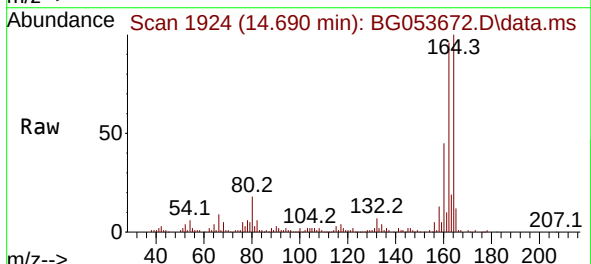
Tgt Ion:164 Resp: 93993

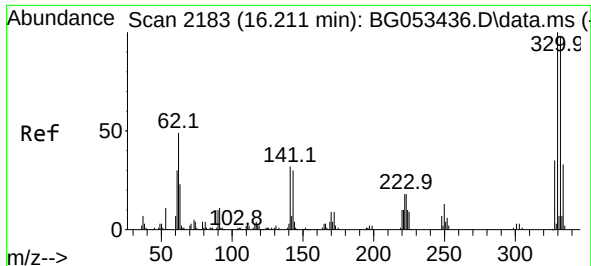
Ion Ratio Lower Upper

164 100

162 96.0 82.3 123.5

160 45.4 34.2 51.2

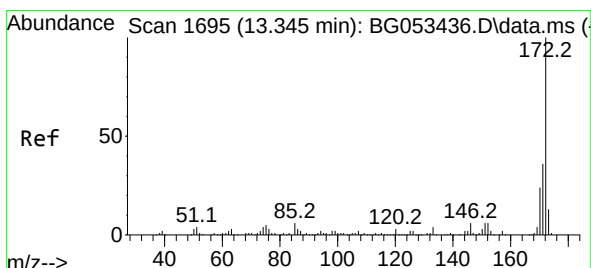
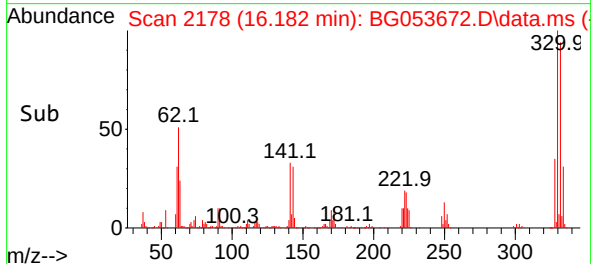
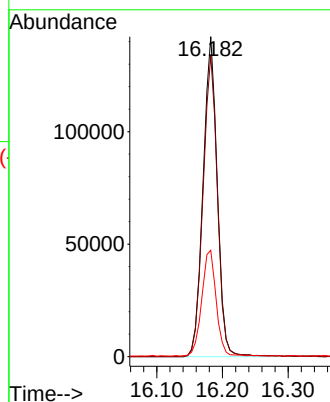
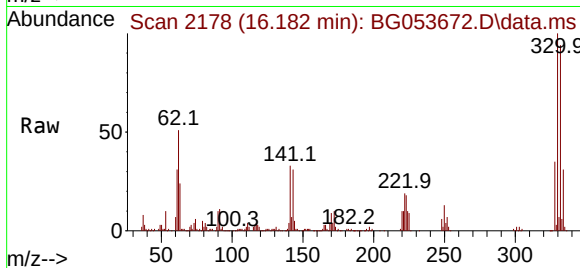




#42
 2,4,6-Tribromophenol
 Concen: 154.886 ng
 RT: 16.182 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG053672.D
 Acq: 23 May 2022 20:08

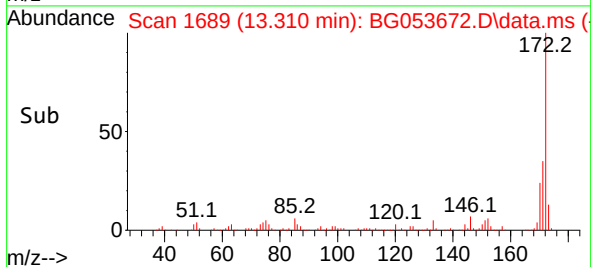
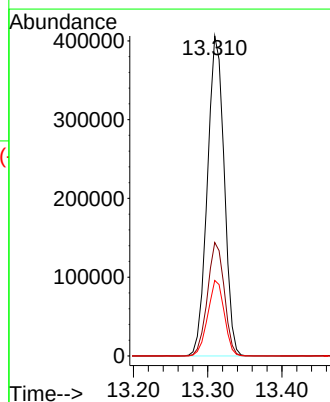
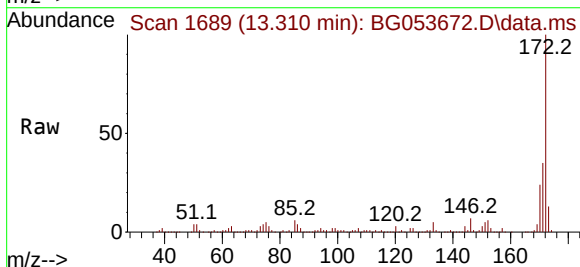
Instrument :
 BNA_G
 ClientSampleId :
 MW-38

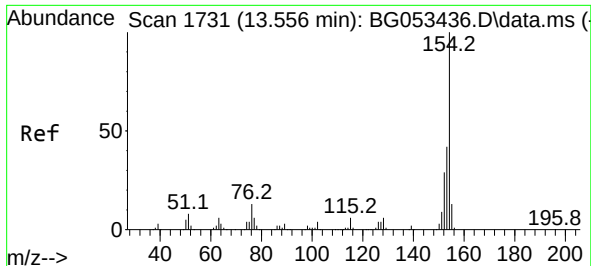
Tgt Ion:330 Resp: 214716
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.0 114.0
 141 33.7 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 99.516 ng
 RT: 13.310 min Scan# 1689
 Delta R.T. -0.006 min
 Lab File: BG053672.D
 Acq: 23 May 2022 20:08

Tgt Ion:172 Resp: 640109
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 23.6 18.9 28.3

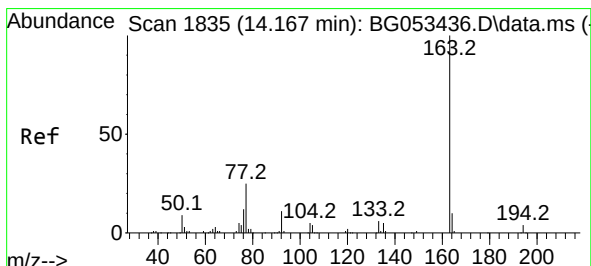
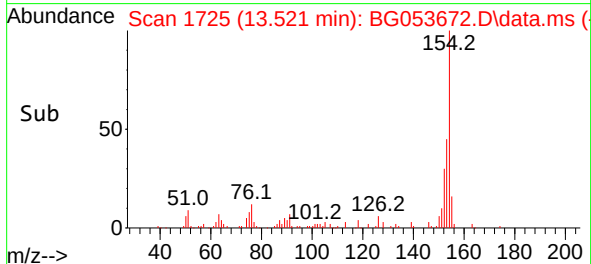
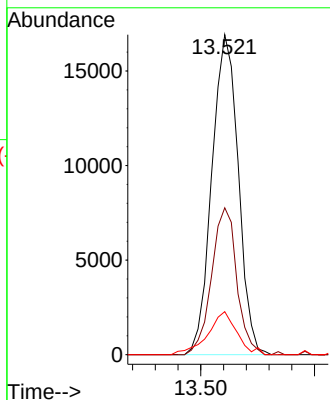
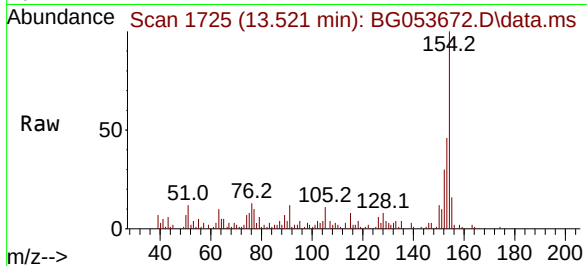




#46
1,1'-Biphenyl
Concen: 4.264 ng
RT: 13.521 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

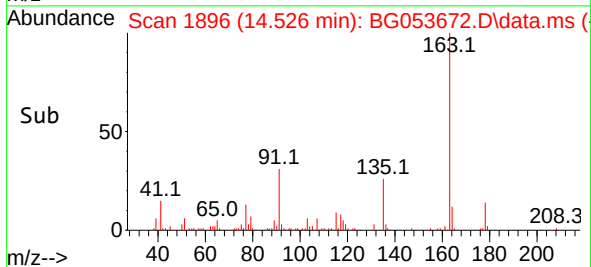
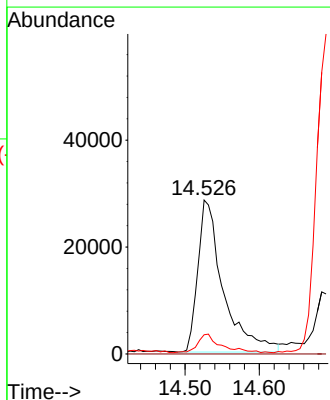
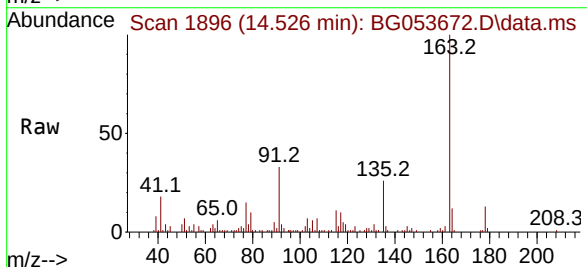
Instrument :
BNA_G
ClientSampleId :
MW-38

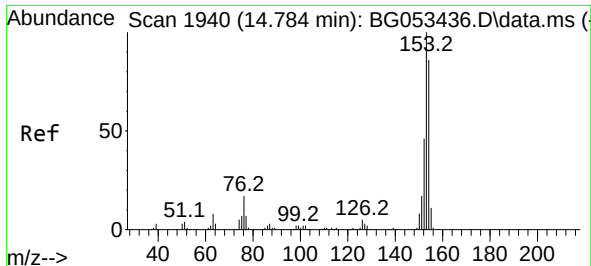
Tgt Ion:154 Resp: 27317
Ion Ratio Lower Upper
154 100
153 45.9 21.6 61.6
76 13.4 0.0 32.6



#50
Dimethylphthalate
Concen: 9.479 ng
RT: 14.526 min Scan# 1896
Delta R.T. 0.382 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:163 Resp: 67706
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 12.5 8.0 12.0#

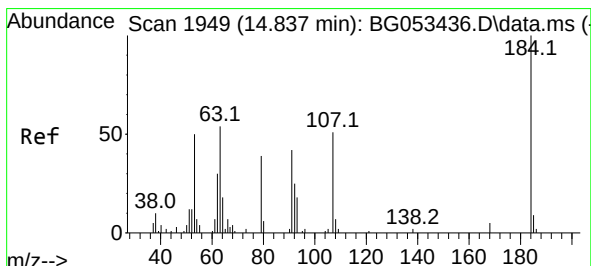
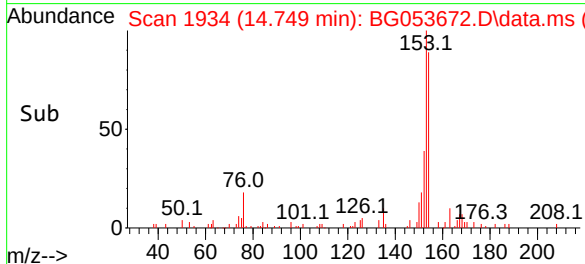
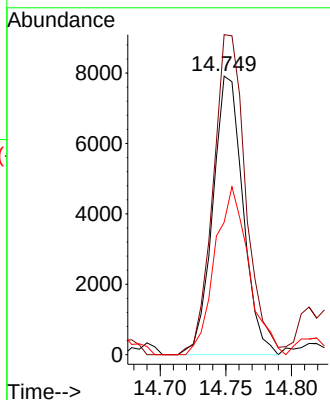
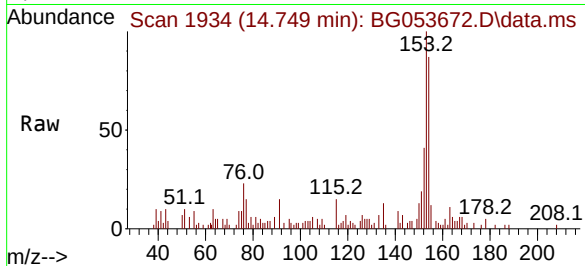




#52
Acenaphthene
Concen: 2.647 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

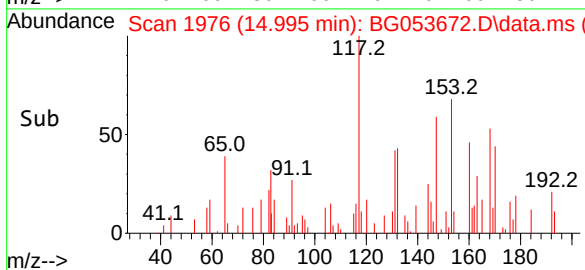
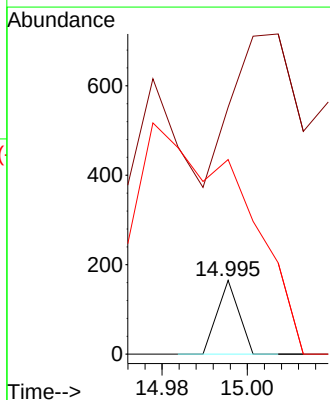
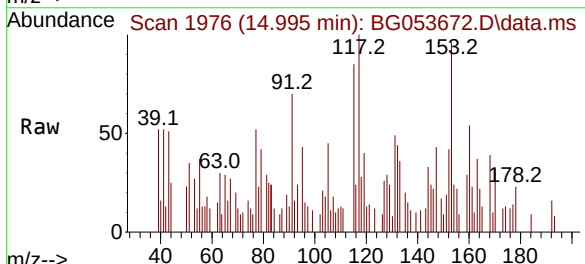
Instrument :
BNA_G
ClientSampleId :
MW-38

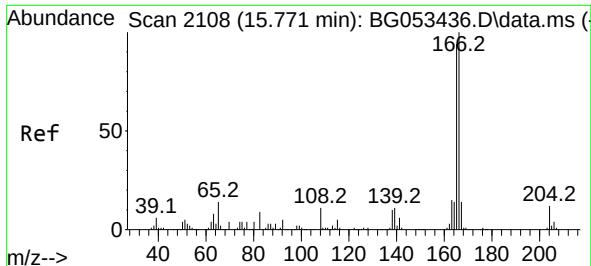
Tgt Ion:154 Resp: 12638
Ion Ratio Lower Upper
154 100
153 114.9 92.7 139.1
152 47.5 42.6 64.0



#54
2,4-Dinitrophenol
Concen: 6.302 ng
RT: 14.995 min Scan# 1976
Delta R.T. 0.176 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 334.5 61.1 91.7#
154 263.6 60.6 91.0#

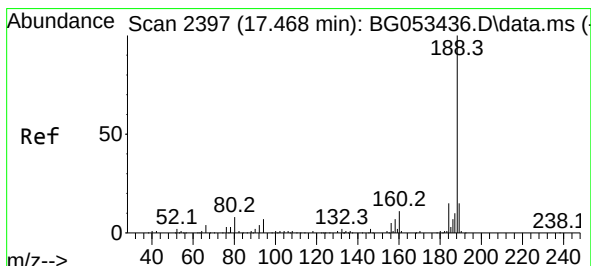
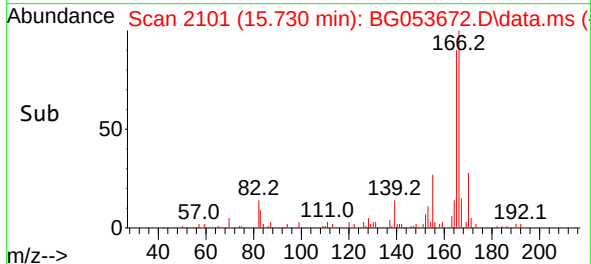
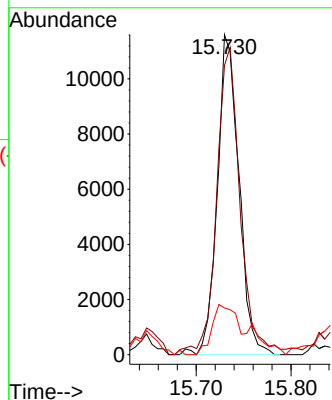
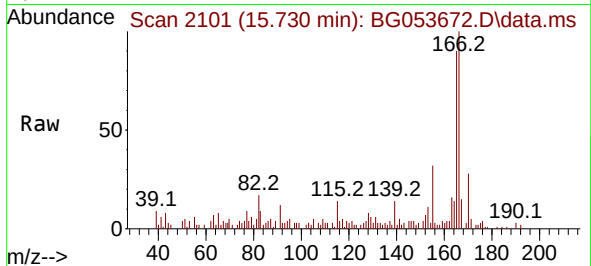




#58
Fluorene
Concen: 2.674 ng
RT: 15.730 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

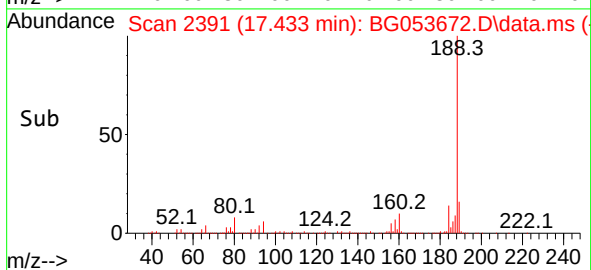
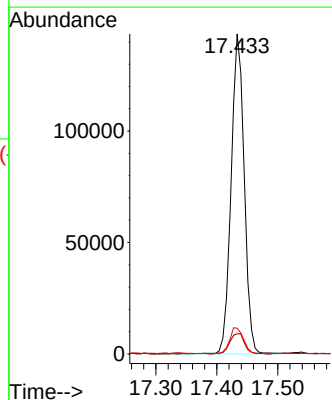
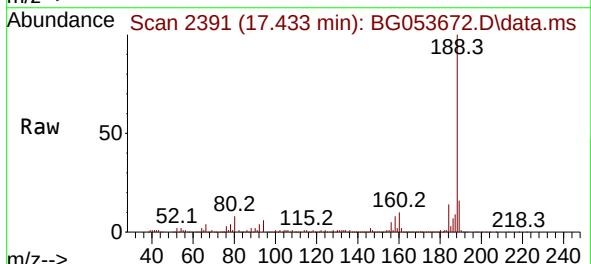
Instrument :
BNA_G
ClientSampleId :
MW-38

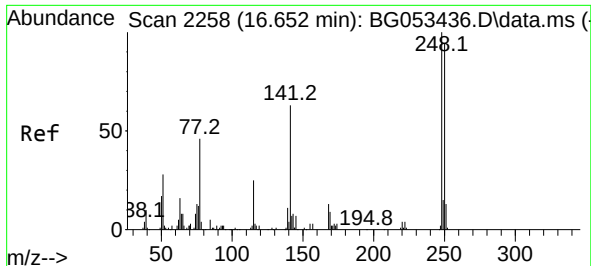
Tgt Ion:166 Resp: 18399
Ion Ratio Lower Upper
166 100
165 90.4 75.0 112.6
167 14.6 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:188 Resp: 214611
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 8.1 6.8 10.2

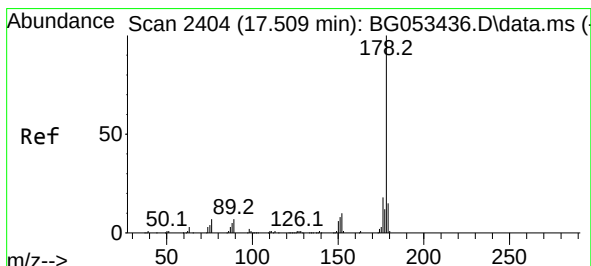
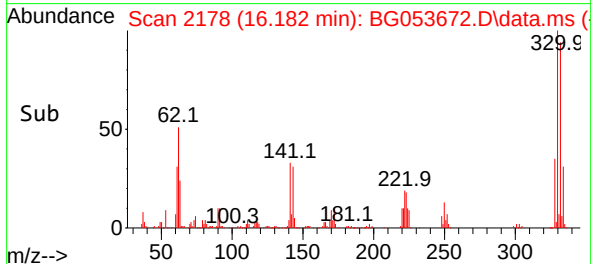
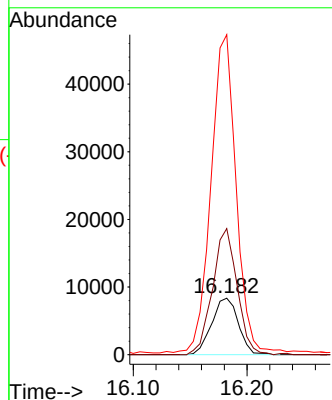
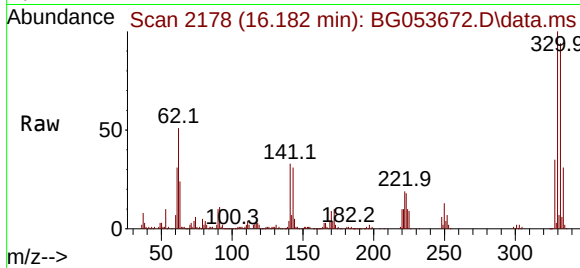




#67
4-Bromophenyl-phenylether
Concen: 5.424 ng
RT: 16.182 min Scan# 2178
Delta R.T. -0.435 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

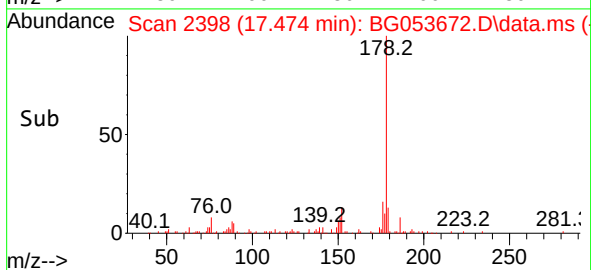
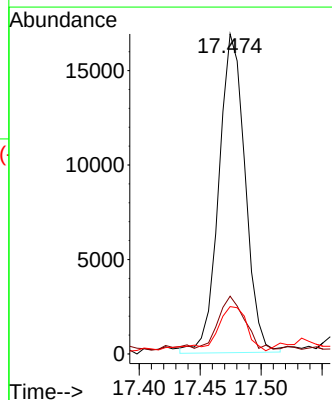
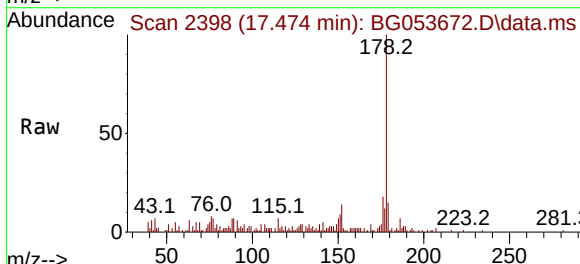
Instrument :
BNA_G
ClientSampleId :
MW-38

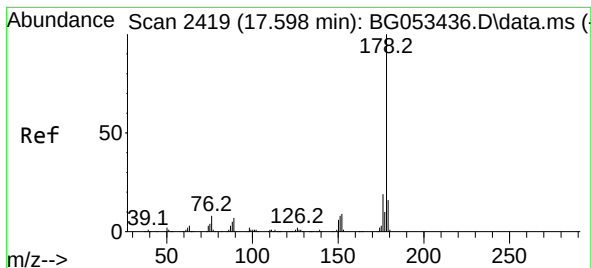
Tgt Ion:248 Resp: 13594
Ion Ratio Lower Upper
248 100
250 223.3 75.2 112.8#
141 566.6 50.0 75.0#



#71
Phenanthrene
Concen: 2.322 ng
RT: 17.474 min Scan# 2398
Delta R.T. -0.006 min
Lab File: BG053672.D
Acq: 23 May 2022 20:08

Tgt Ion:178 Resp: 25337
Ion Ratio Lower Upper
178 100
176 18.0 14.1 21.1
179 14.8 12.1 18.1





#72

Anthracene

Concen: 2.362 ng

RT: 17.474 min Scan# 21

Delta R.T. -0.094 min

Lab File: BG053672.D

Acq: 23 May 2022 20:08

Instrument :

BNA_G

ClientSampleId :

MW-38

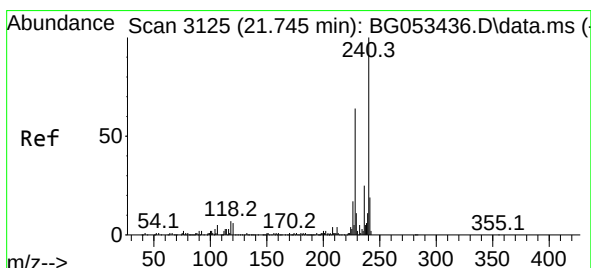
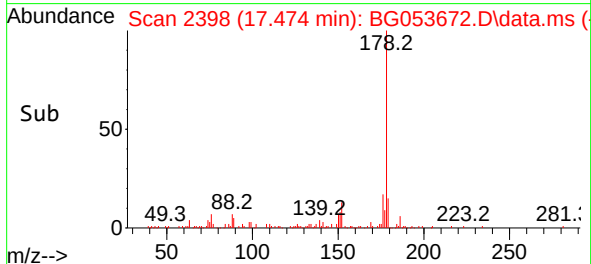
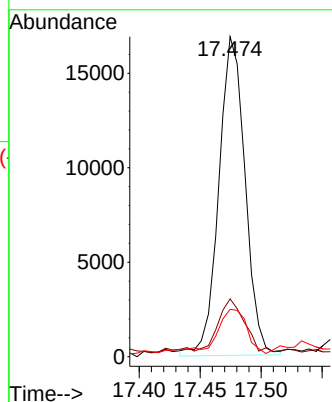
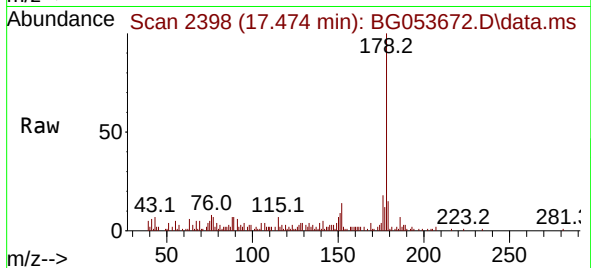
Tgt Ion:178 Resp: 25337

Ion Ratio Lower Upper

178 100

176 18.0 15.2 22.8

179 14.8 13.0 19.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.710 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BG053672.D

Acq: 23 May 2022 20:08

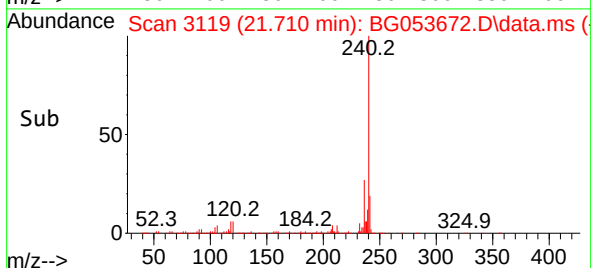
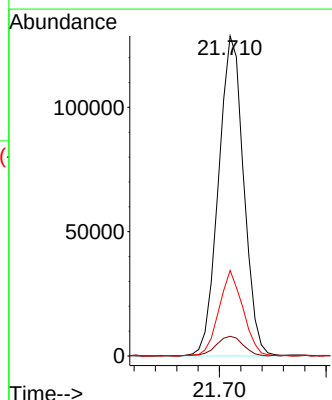
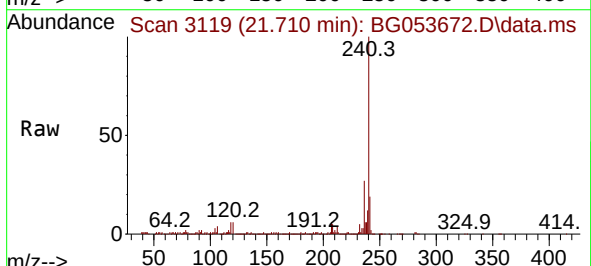
Tgt Ion:240 Resp: 210987

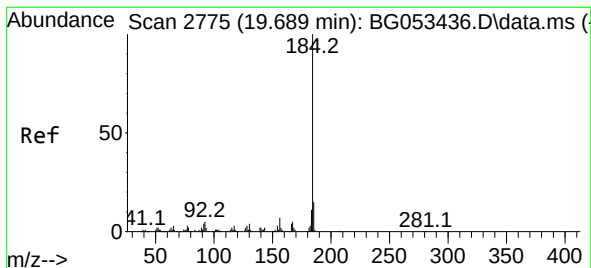
Ion Ratio Lower Upper

240 100

120 6.1 4.6 7.0

236 26.7 20.2 30.4





#77

Benzidine

Concen: 4.040 ng

RT: 20.042 min Scan# 2835

Delta R.T. 0.382 min

Lab File: BG053672.D

Acq: 23 May 2022 20:08

Instrument :

BNA_G

ClientSampleId :

MW-38

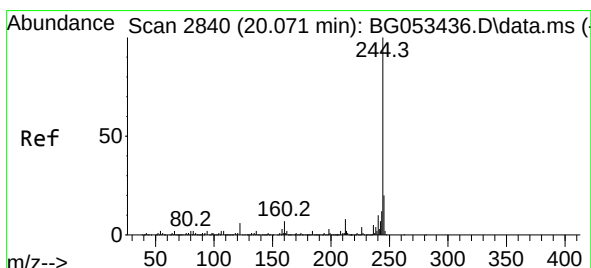
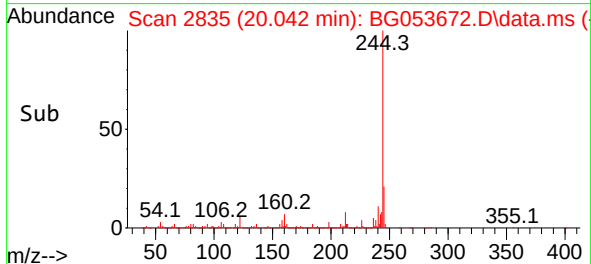
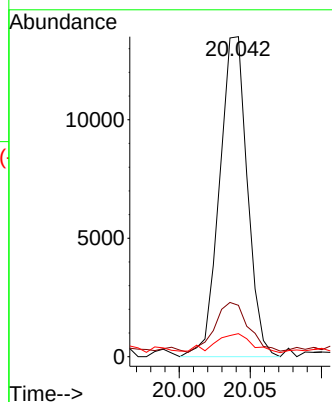
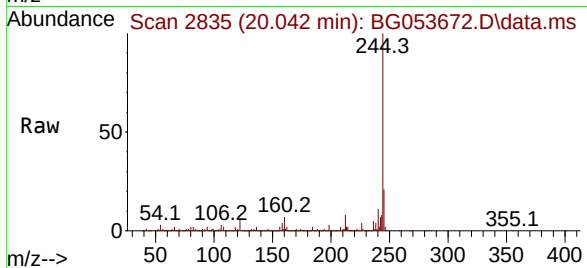
Tgt Ion:184 Resp: 18372

Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.6

183 7.2 8.9 13.3#



#79

Terphenyl-d14

Concen: 92.224 ng

RT: 20.042 min Scan# 2835

Delta R.T. 0.000 min

Lab File: BG053672.D

Acq: 23 May 2022 20:08

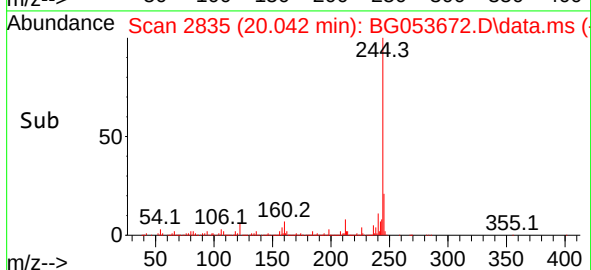
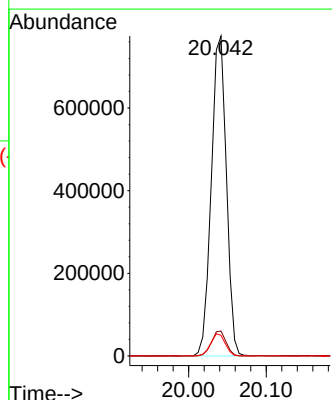
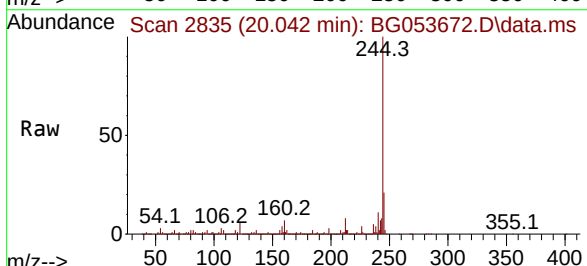
Tgt Ion:244 Resp: 1044746

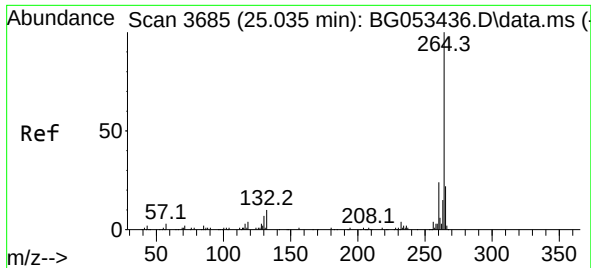
Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 6.5 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.976 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BG053672.D
 Acq: 23 May 2022 20:08

Instrument :
 BNA_G
 ClientSampleId :
 MW-38

Tgt Ion:264 Resp: 212581
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 20.7 17.4 26.2

