

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053758.D
 Acq On : 28 May 2022 19:51
 Operator : CG/JU
 Sample : N3057-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-1193

Quant Time: May 29 02:20:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

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

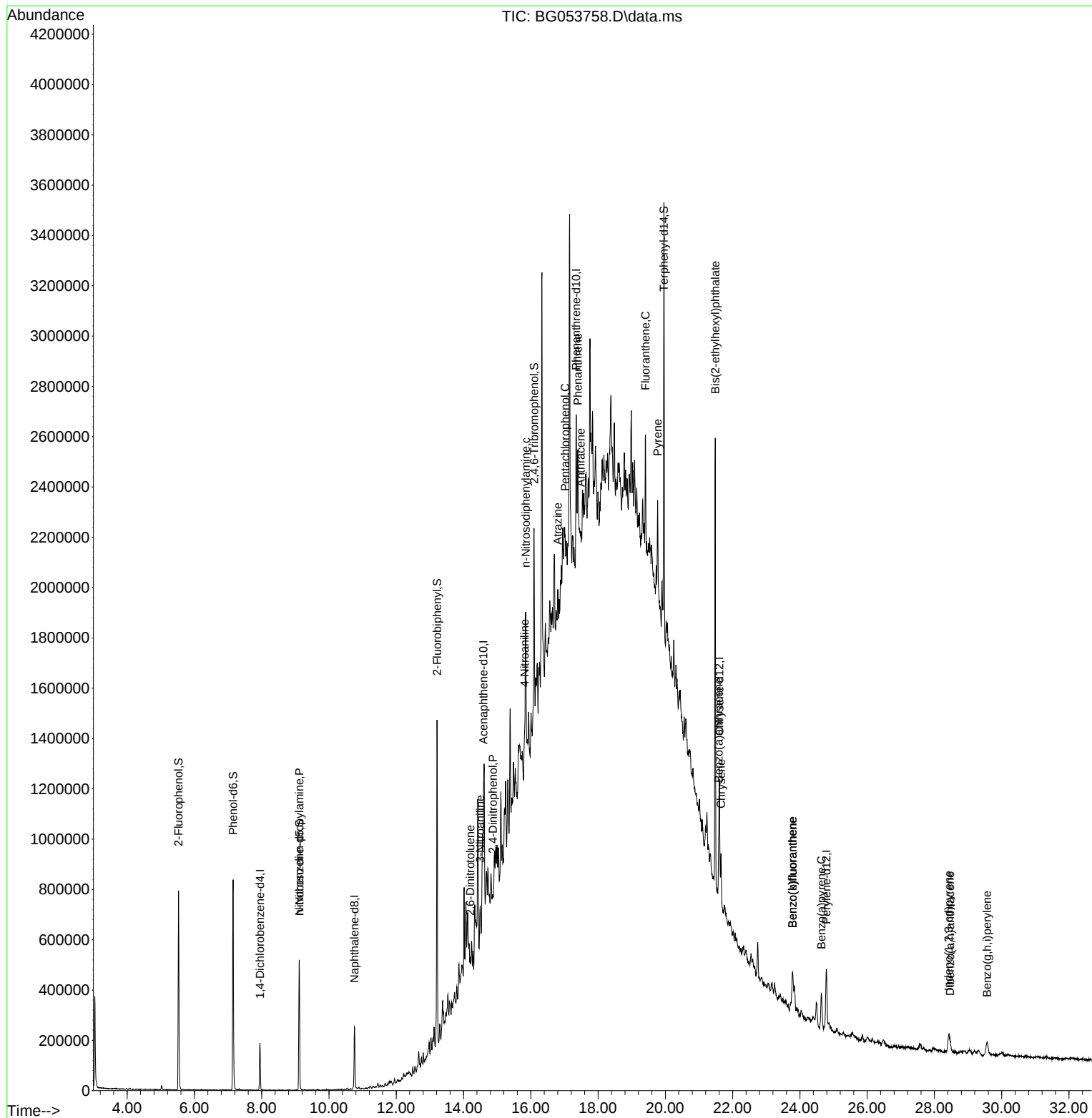
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	52621	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	206292	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	121887	20.000	ng	0.00
64) Phenanthrene-d10	17.348	188	228453	20.000	ng	# 0.00
76) Chrysene-d12	21.607	240	231080	20.000	ng	# 0.00
86) Perylene-d12	24.785	264	250109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	348878	112.520	ng	0.00
7) Phenol-d6	7.150	99	504187	107.146	ng	0.00
23) Nitrobenzene-d5	9.118	82	348135	71.838	ng	0.00
42) 2,4,6-Tribromophenol	16.097	330	168515	93.740	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	656327	78.686	ng	0.00
79) Terphenyl-d14	19.956	244	842226	67.882	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.118	70	47333	14.019	ng	# 72
51) 2,6-Dinitrotoluene	14.205	165	4813	2.551	ng	# 25
53) 3-Nitroaniline	14.499	138	5308	2.603	ng	# 28
54) 2,4-Dinitrophenol	14.875	184	54	6.286	ng	# 1
62) 4-Nitroaniline	15.815	138	4909	2.321	ng	91
66) n-Nitrosodiphenylamine	15.850	169	13212	2.203	ng	# 73
69) Atrazine	16.802	200	7296	2.889	ng	# 1
70) Pentachlorophenol	17.019	266	647	5.037	ng	# 23
71) Phenanthrene	17.395	178	167915	14.455	ng	# 88
72) Anthracene	17.483	178	26287	2.302	ng	# 52
75) Fluoranthene	19.410	202	296207	19.693	ng	94
78) Pyrene	19.768	202	265155	17.726	ng	97
81) Benzo(a)anthracene	21.589	228	141856	9.625	ng	97
83) Chrysene	21.654	228	150118	10.905	ng	94
84) Bis(2-ethylhexyl)phtha...	21.484	149	701482	92.653	ng	96
87) Indeno(1,2,3-cd)pyrene	28.421	276	121118	6.953	ng	# 59
88) Benzo(b)fluoranthene	23.780	252	196535	13.275	ng	# 95
89) Benzo(k)fluoranthene	23.780	252	196535	13.510	ng	# 96
90) Benzo(a)pyrene	24.638	252	143989	11.427	ng	# 96
91) Dibenzo(a,h)anthracene	28.462	278	47398	3.302	ng	# 85
92) Benzo(g,h,i)perylene	29.567	276	114075	8.018	ng	97

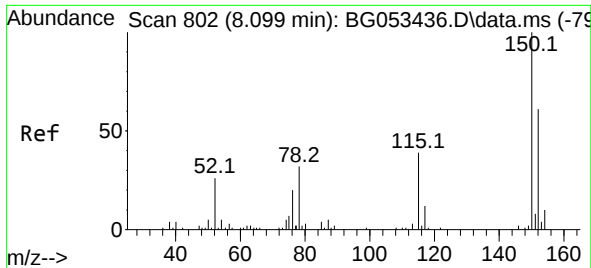
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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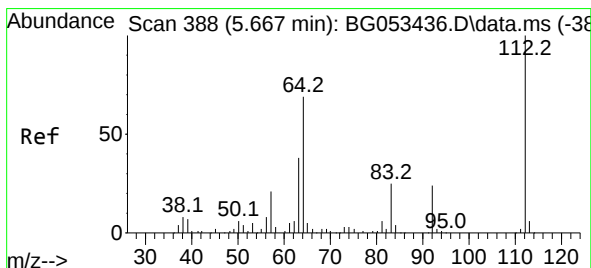
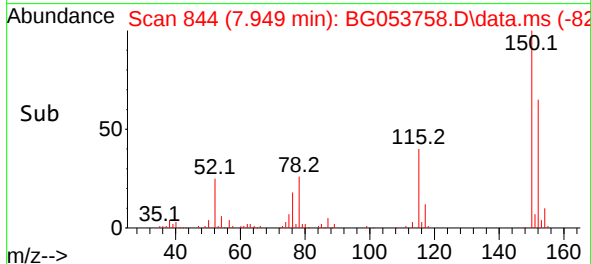
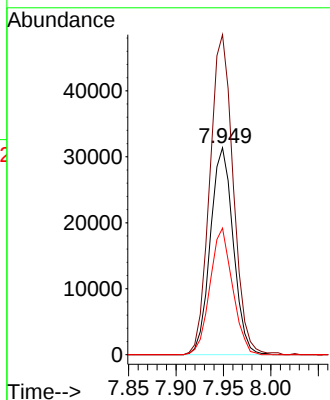
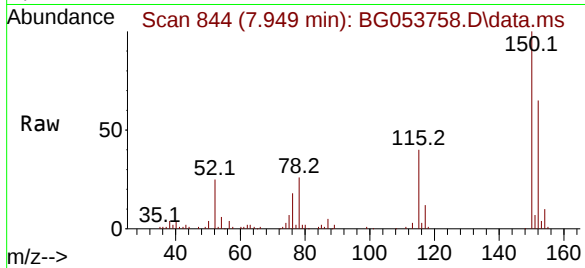




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

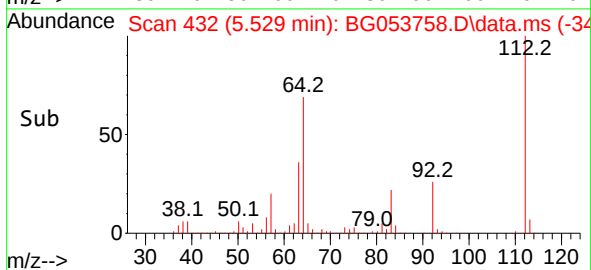
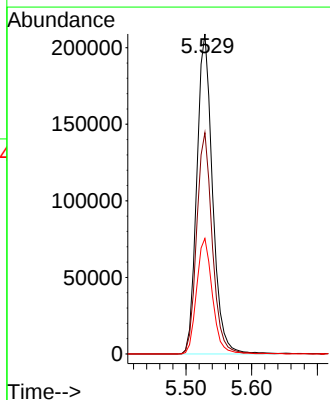
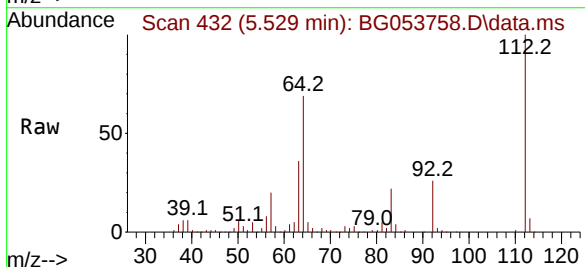
Instrument :
BNA_G
ClientSampleId :
72-1193

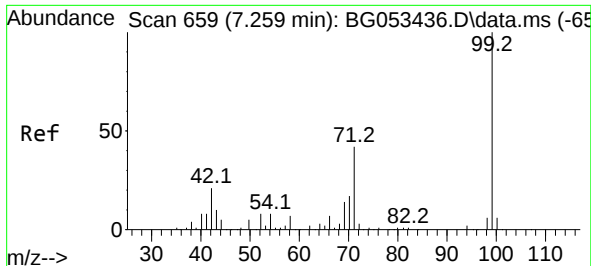
Tgt Ion:152 Resp: 52621
Ion Ratio Lower Upper
152 100
150 154.7 131.6 197.4
115 61.1 50.9 76.3



#5
2-Fluorophenol
Concen: 112.520 ng
RT: 5.529 min Scan# 432
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:112 Resp: 348878
Ion Ratio Lower Upper
112 100
64 69.2 55.1 82.7
63 36.1 30.4 45.6

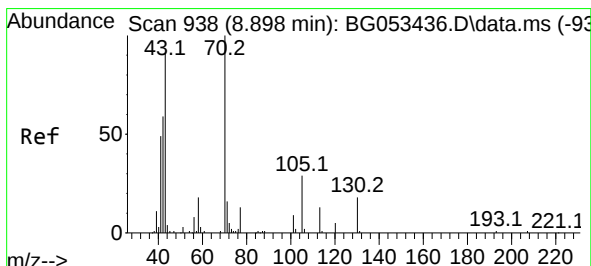
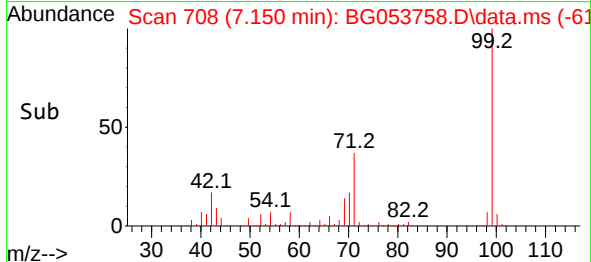
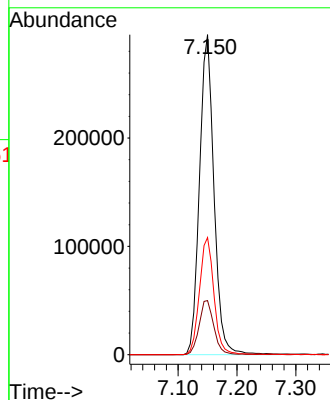
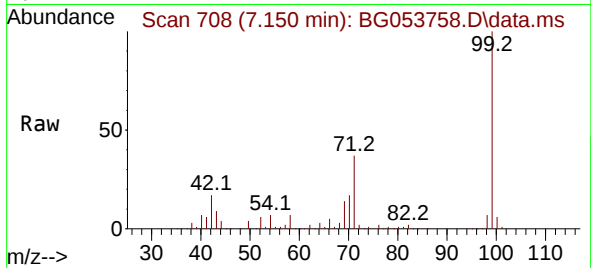




#7
Phenol-d6
Concen: 107.146 ng
RT: 7.150 min Scan# 708
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

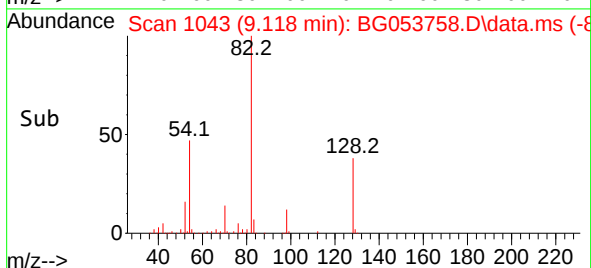
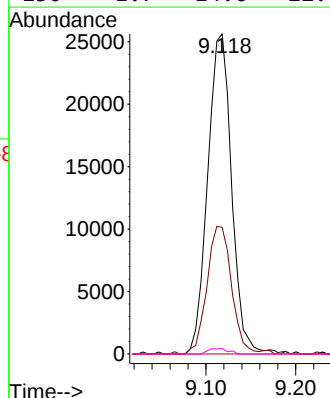
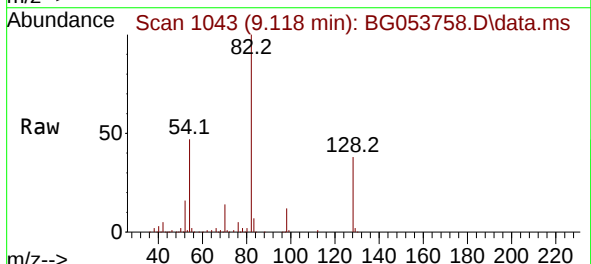
Instrument :
BNA_G
ClientSampleId :
72-1193

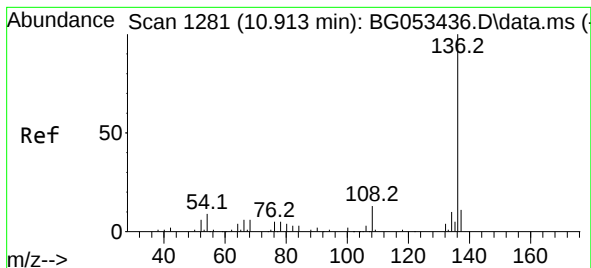
Tgt Ion: 99 Resp: 504187
Ion Ratio Lower Upper
99 100
42 16.9 17.0 25.6#
71 36.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.019 ng
RT: 9.118 min Scan# 1043
Delta R.T. 0.362 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion: 70 Resp: 47333
Ion Ratio Lower Upper
70 100
42 39.6 47.3 70.9#
101 0.0 7.0 10.4#
130 1.7 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.757 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

Instrument :

BNA_G

ClientSampleId :

72-1193

Tgt Ion:136 Resp: 206292

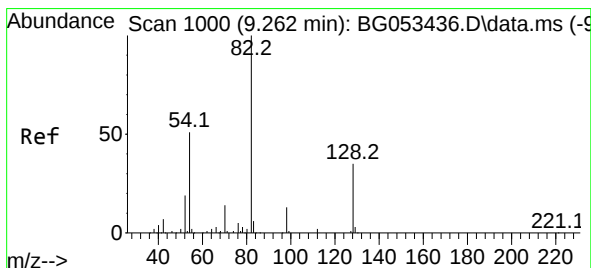
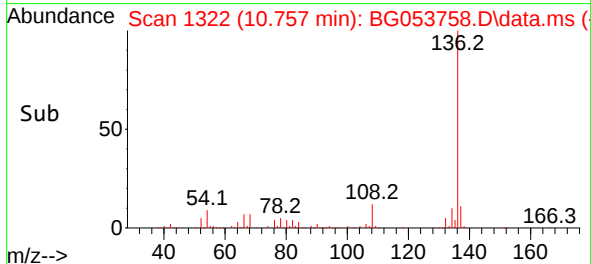
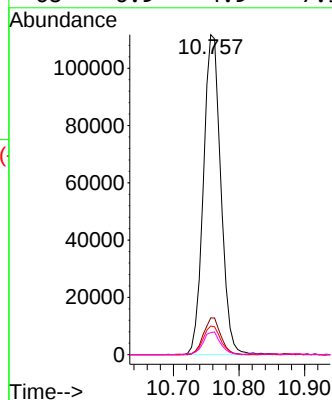
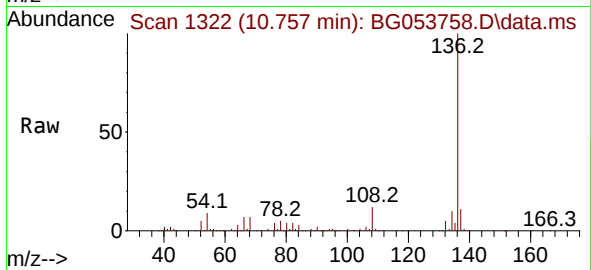
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 9.0 7.4 11.2

68 6.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 71.838 ng

RT: 9.118 min Scan# 1043

Delta R.T. -0.002 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

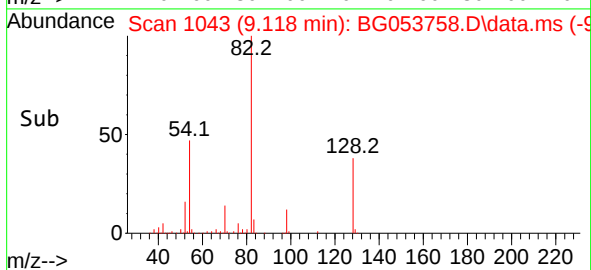
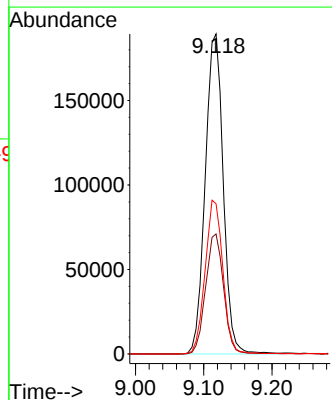
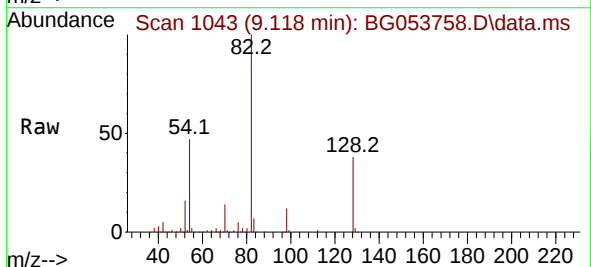
Tgt Ion: 82 Resp: 348135

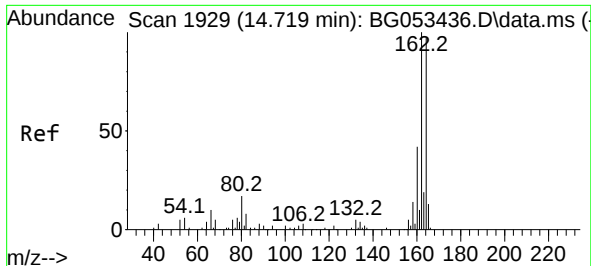
Ion Ratio Lower Upper

82 100

128 37.5 27.9 41.9

54 46.9 41.2 61.8

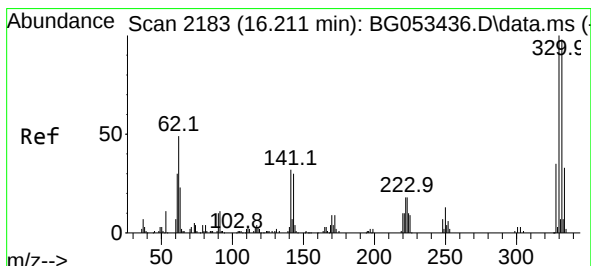
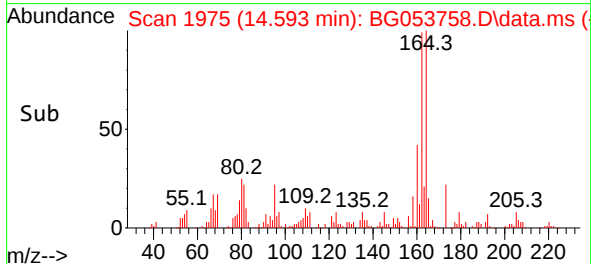
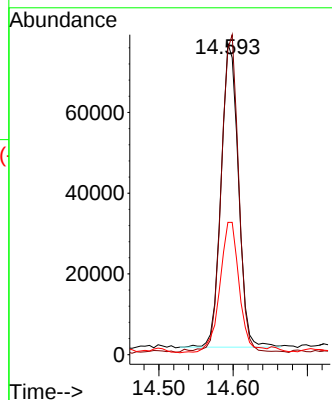
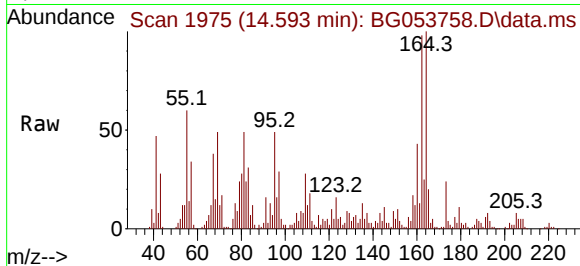




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

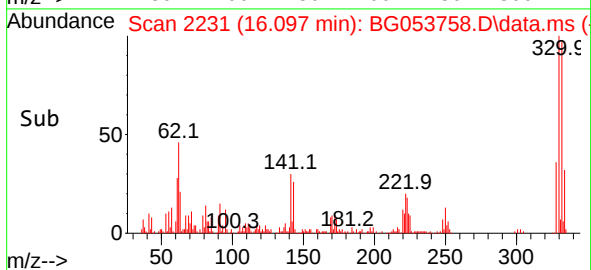
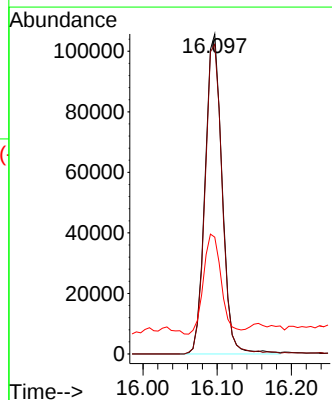
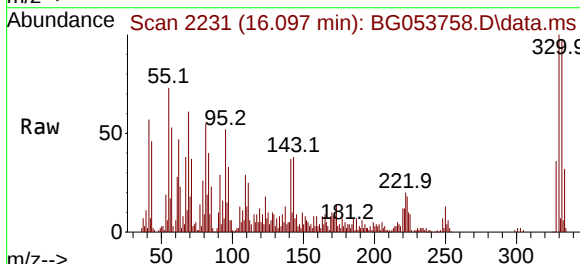
Instrument :
BNA_G
ClientSampleId :
72-1193

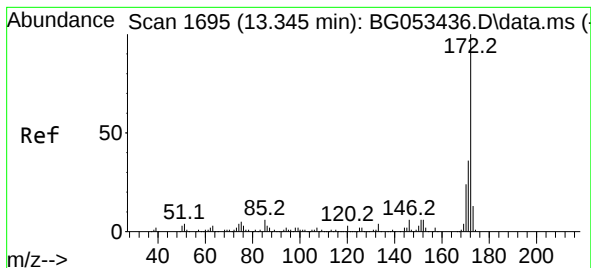
Tgt Ion:164 Resp: 121887
Ion Ratio Lower Upper
164 100
162 98.1 82.3 123.5
160 42.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 93.740 ng
RT: 16.097 min Scan# 2231
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:330 Resp: 168515
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 32.6 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 78.686 ng

RT: 13.212 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

Instrument :

BNA_G

ClientSampleId :

72-1193

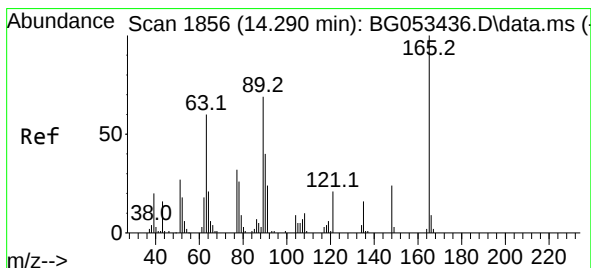
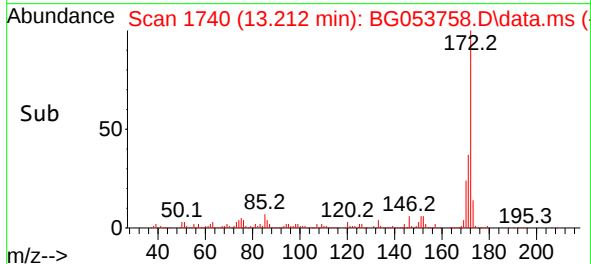
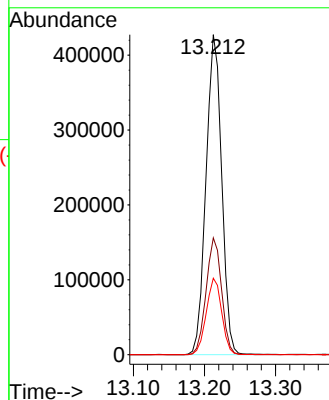
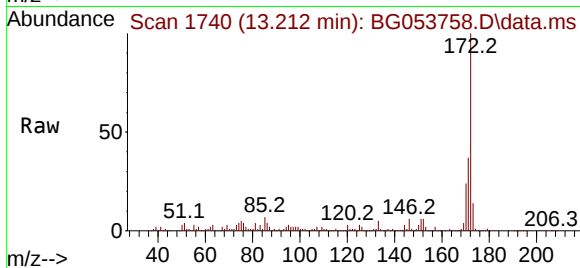
Tgt Ion:172 Resp: 656327

Ion Ratio Lower Upper

172 100

171 36.5 28.5 42.7

170 23.9 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 2.551 ng

RT: 14.205 min Scan# 1909

Delta R.T. 0.033 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

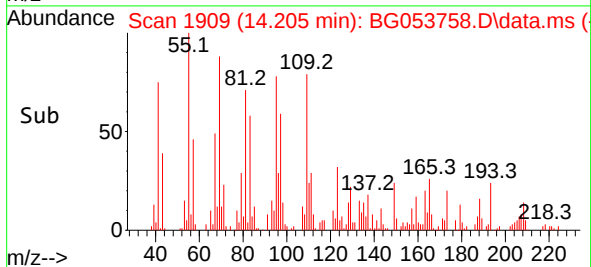
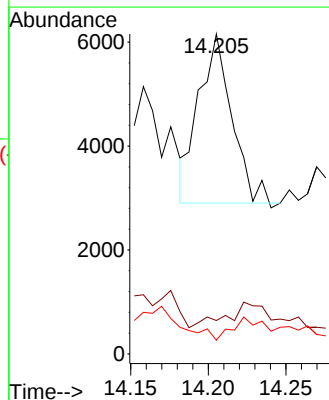
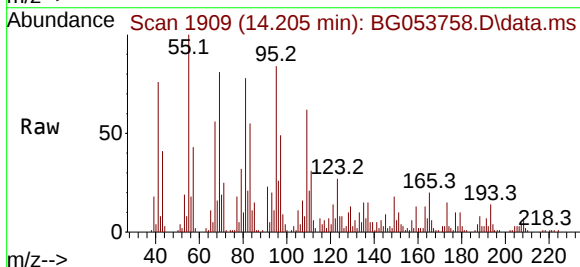
Tgt Ion:165 Resp: 4813

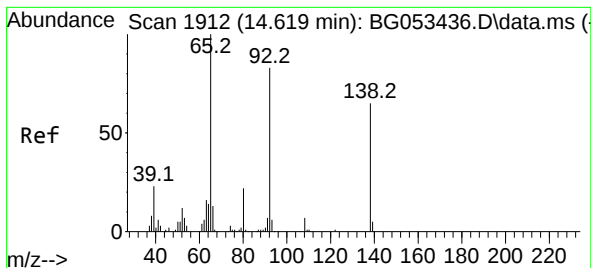
Ion Ratio Lower Upper

165 100

63 10.4 54.1 81.1#

89 4.3 54.8 82.2#

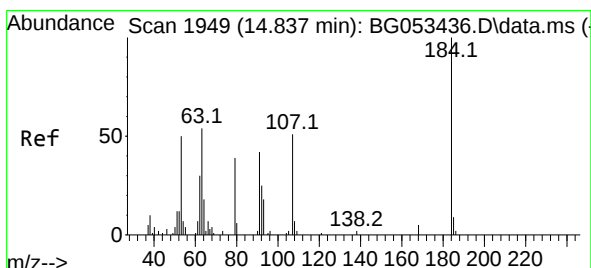
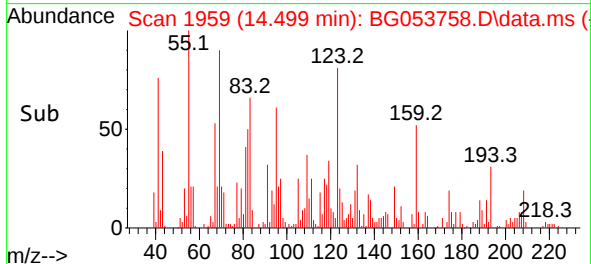
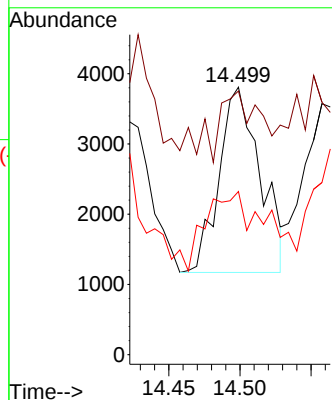
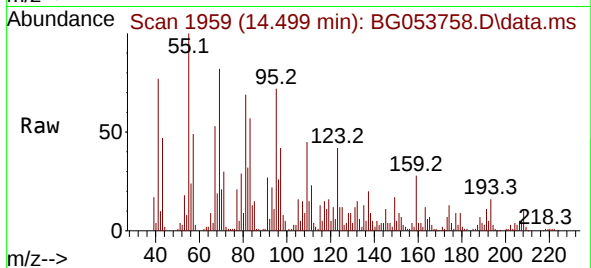




#53
3-Nitroaniline
Concen: 2.603 ng
RT: 14.499 min Scan# 1912
Delta R.T. -0.014 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

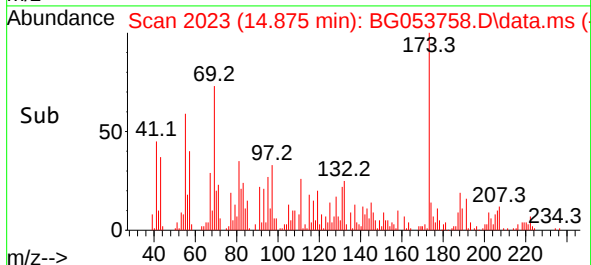
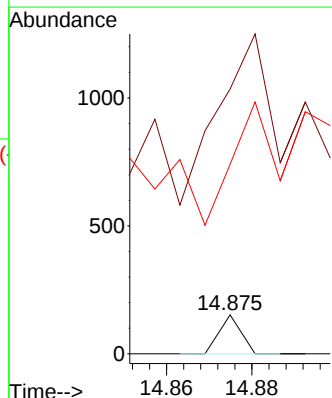
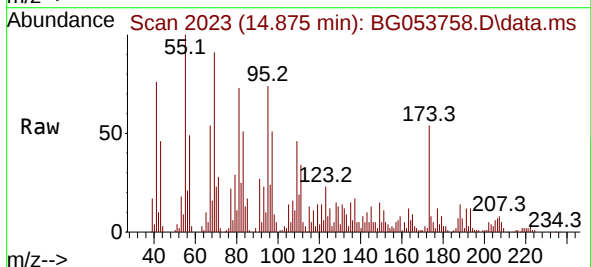
Instrument :
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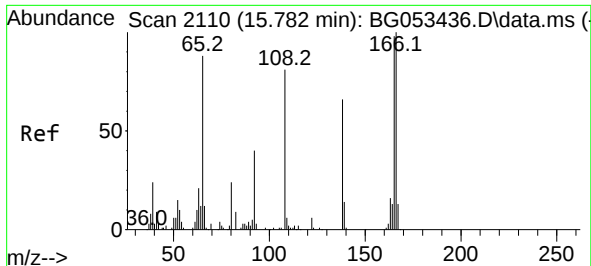
Tgt Ion:138 Resp: 5308
Ion Ratio Lower Upper
138 100
108 98.6 9.2 13.8#
92 61.0 101.9 152.9#



#54
2,4-Dinitrophenol
Concen: 6.286 ng
RT: 14.875 min Scan# 2023
Delta R.T. 0.139 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 680.9 61.1 91.7#
154 487.5 60.6 91.0#

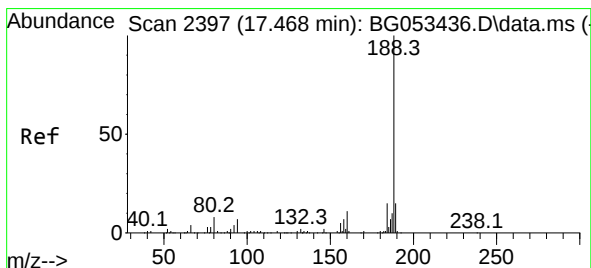
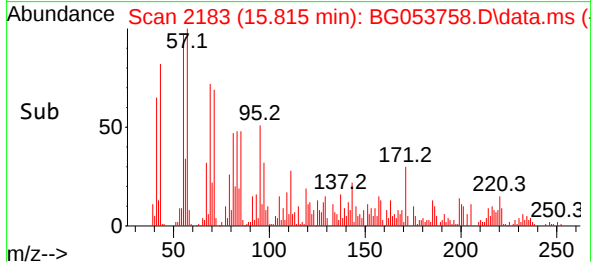
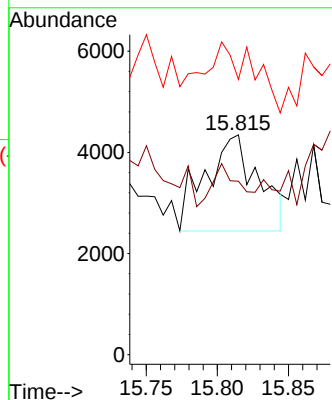
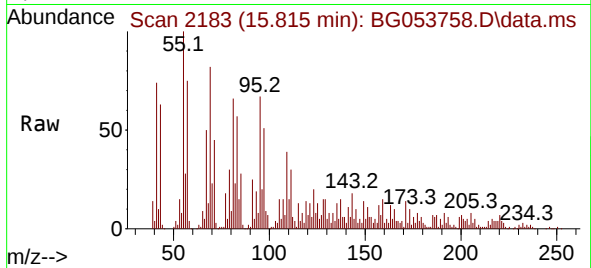




#62
4-Nitroaniline
Concen: 2.321 ng
RT: 15.815 min Scan# 2110
Delta R.T. 0.139 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

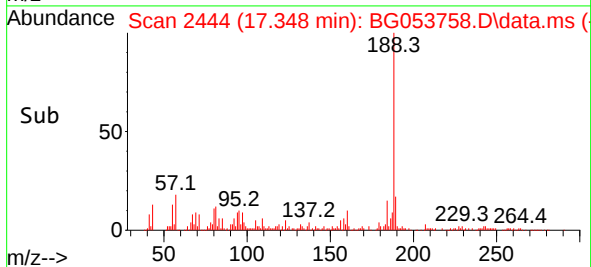
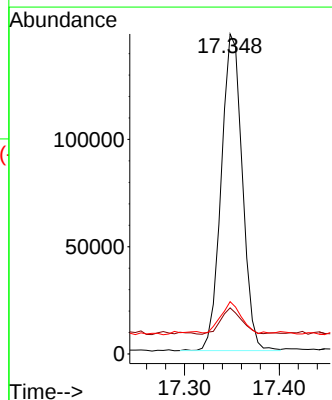
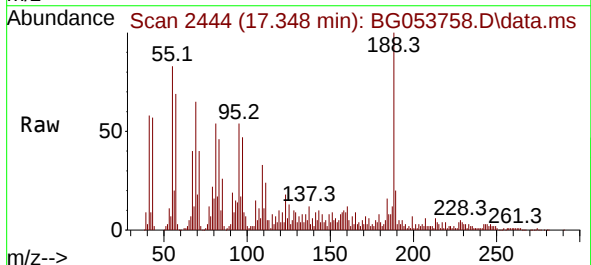
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BNA_G
ClientSampleId :
72-1193

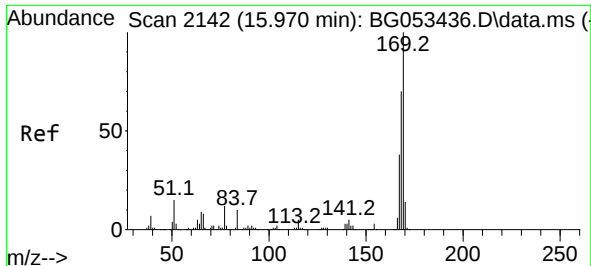
Tgt Ion:138 Resp: 4909
Ion Ratio Lower Upper
138 100
92 78.9 40.5 80.5
108 125.2 103.7 143.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.348 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:188 Resp: 228453
Ion Ratio Lower Upper
188 100
94 14.4 5.4 8.0#
80 16.4 6.8 10.2#

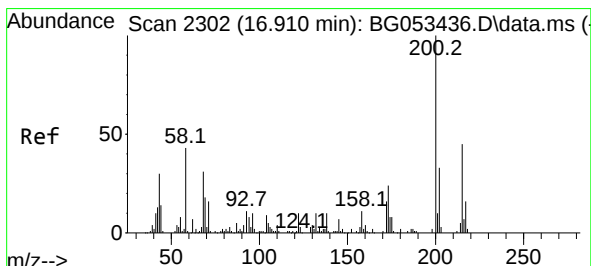
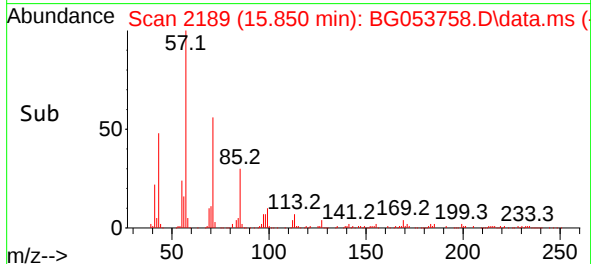
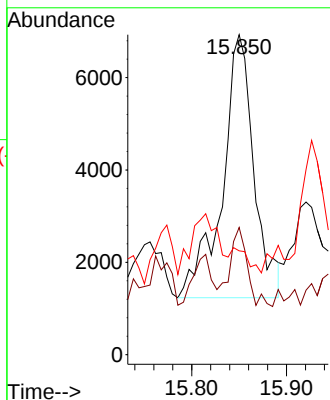
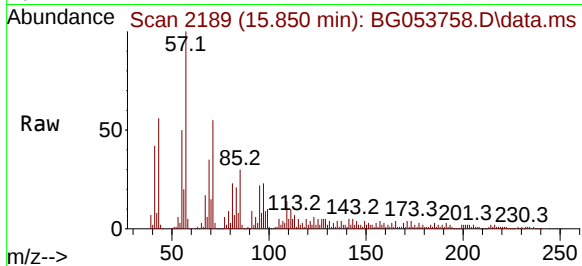




#66
n-Nitrosodiphenylamine
Concen: 2.203 ng
RT: 15.850 min Scan# 2142
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

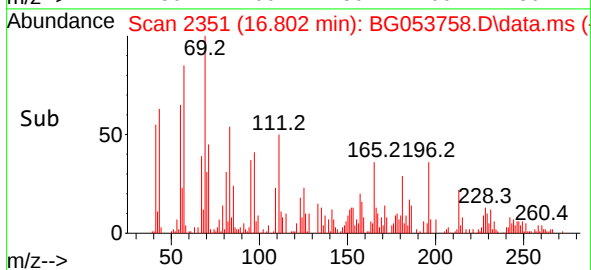
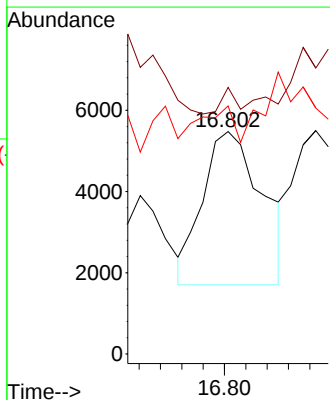
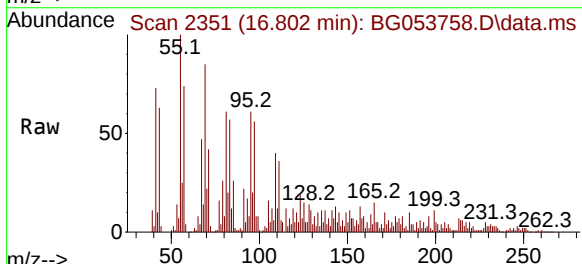
Instrument :
BNA_G
ClientSampleId :
72-1193

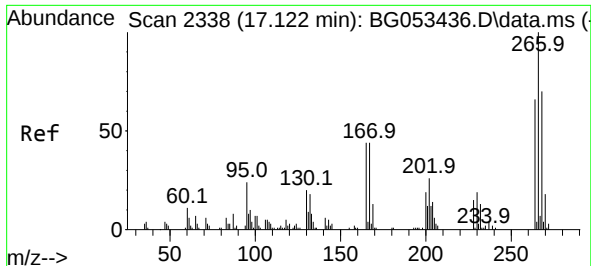
Tgt Ion:169 Resp: 13212
Ion Ratio Lower Upper
169 100
168 39.8 55.9 83.9#
167 32.5 30.6 46.0



#69
Atrazine
Concen: 2.889 ng
RT: 16.802 min Scan# 2351
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:200 Resp: 7296
Ion Ratio Lower Upper
200 100
173 119.9 3.7 43.7#
215 111.5 25.2 65.2#

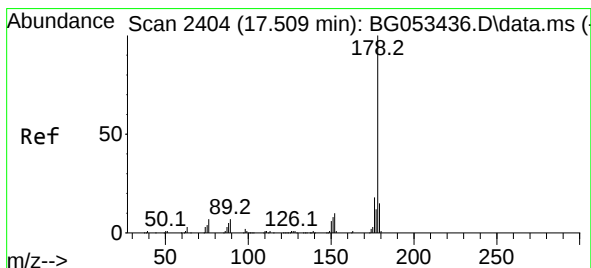
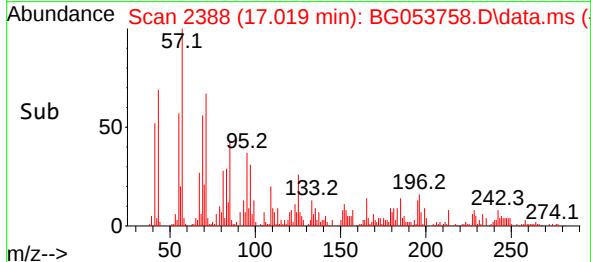
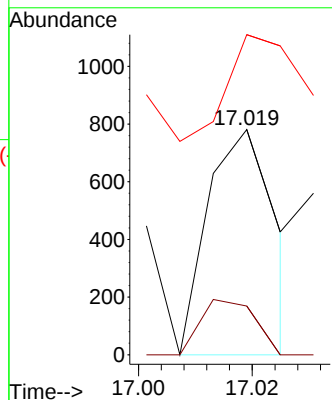
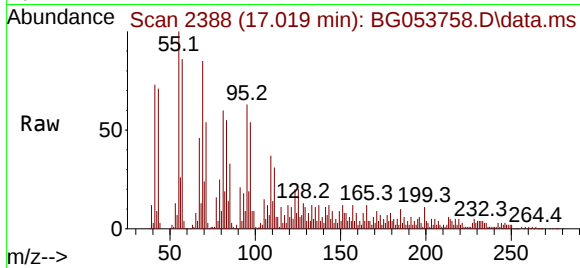




#70
 Pentachlorophenol
 Concen: 5.037 ng
 RT: 17.019 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

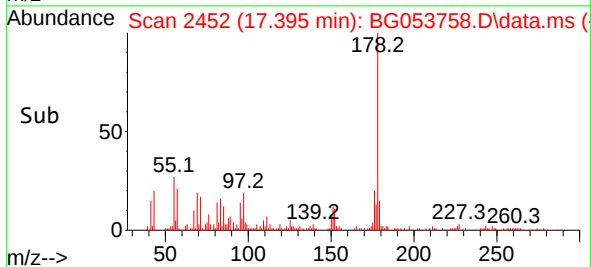
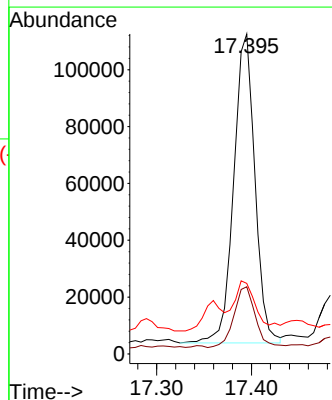
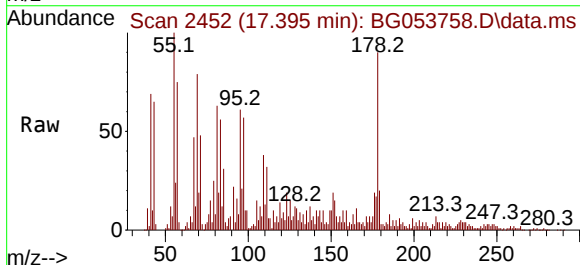
Instrument :
 BNA_G
 ClientSampleId :
 72-1193

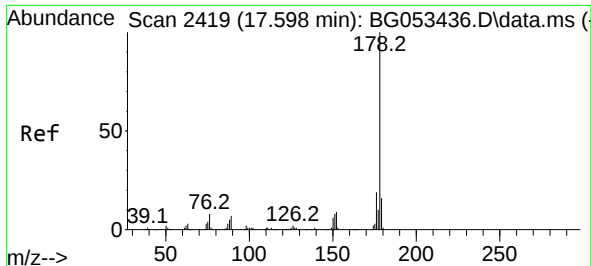
Tgt Ion:266 Resp: 647
 Ion Ratio Lower Upper
 266 100
 268 21.6 56.2 84.2#
 264 142.1 53.0 79.4#



#71
 Phenanthrene
 Concen: 14.455 ng
 RT: 17.395 min Scan# 2452
 Delta R.T. 0.009 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

Tgt Ion:178 Resp: 167915
 Ion Ratio Lower Upper
 178 100
 176 21.0 14.1 21.1
 179 22.1 12.1 18.1#

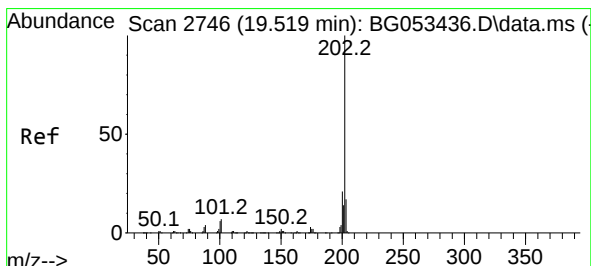
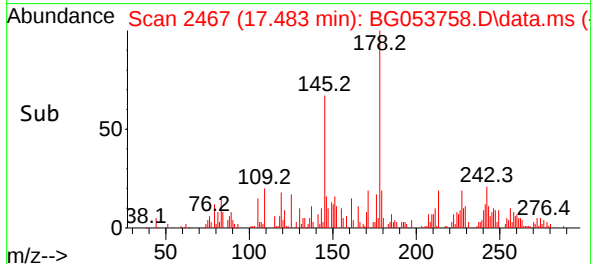
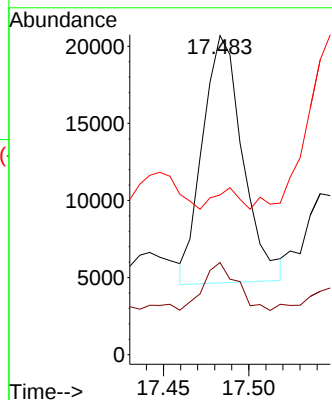
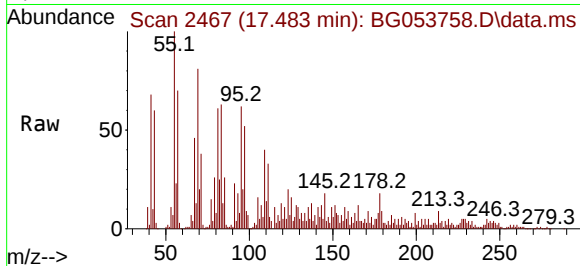




#72
 Anthracene
 Concen: 2.302 ng
 RT: 17.483 min Scan# 2419
 Delta R.T. 0.009 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

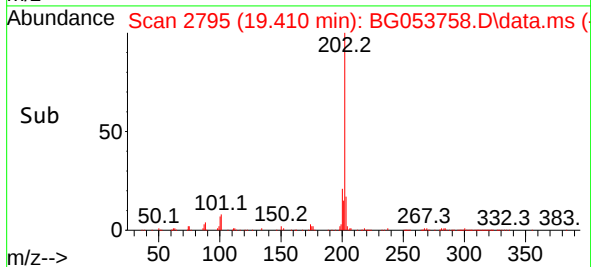
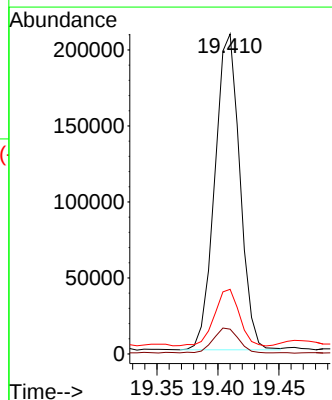
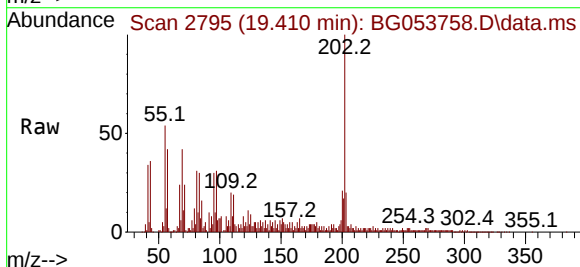
Instrument :
 BNA_G
 ClientSampleId :
 72-1193

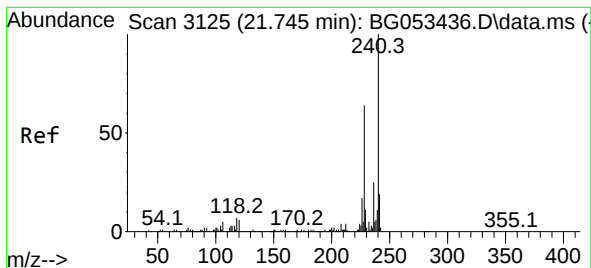
Tgt Ion:178 Resp: 26287
 Ion Ratio Lower Upper
 178 100
 176 28.9 15.2 22.8#
 179 50.0 13.0 19.4#



#75
 Fluoranthene
 Concen: 19.693 ng
 RT: 19.410 min Scan# 2795
 Delta R.T. 0.015 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

Tgt Ion:202 Resp: 296207
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 26.9
 203 20.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.607 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

Instrument :

BNA_G

ClientSampleId :

72-1193

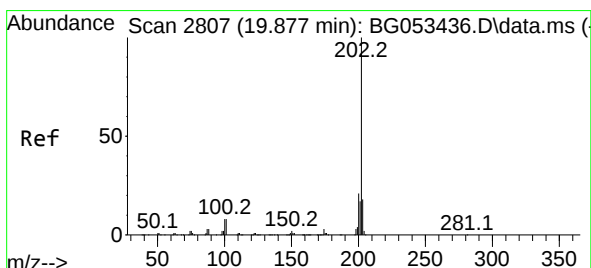
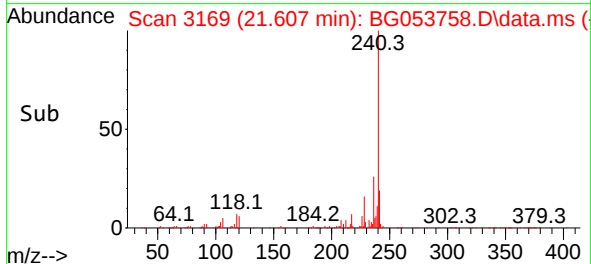
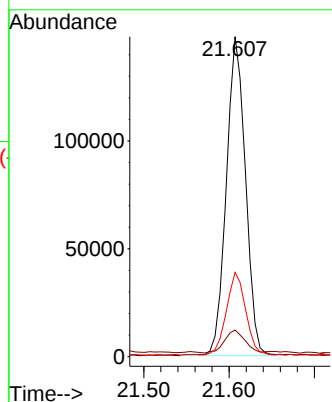
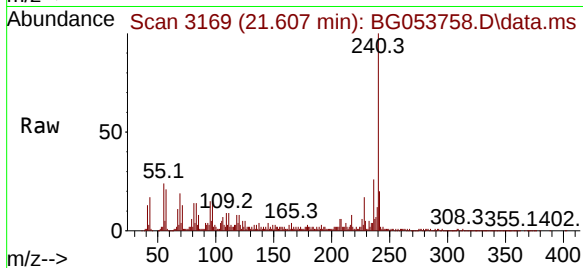
Tgt Ion:240 Resp: 231080

Ion Ratio Lower Upper

240 100

120 8.4 4.6 7.0#

236 26.4 20.2 30.4



#78

Pyrene

Concen: 17.726 ng

RT: 19.768 min Scan# 2856

Delta R.T. 0.009 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

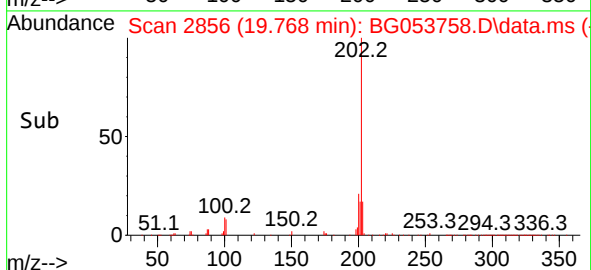
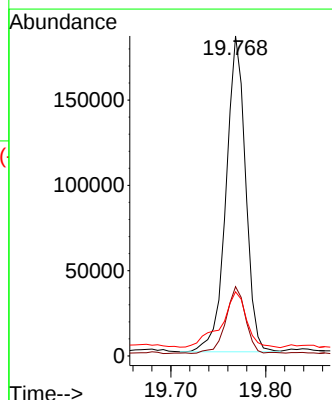
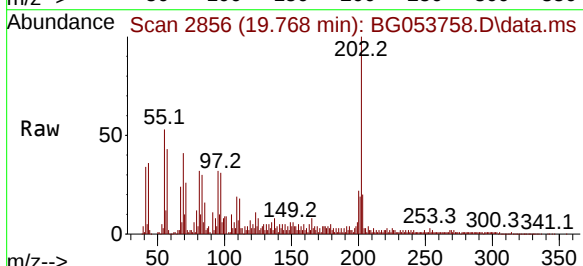
Tgt Ion:202 Resp: 265155

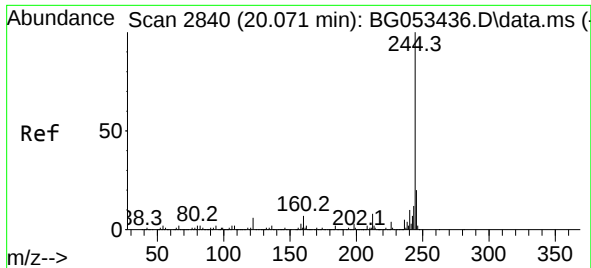
Ion Ratio Lower Upper

202 100

200 21.6 16.6 24.8

203 20.0 14.6 21.8

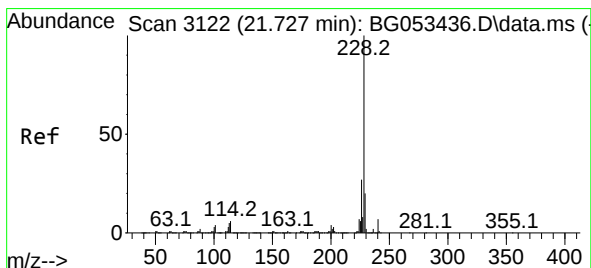
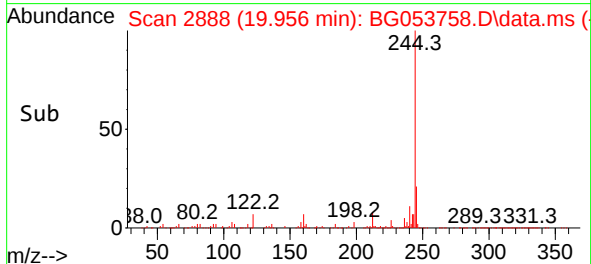
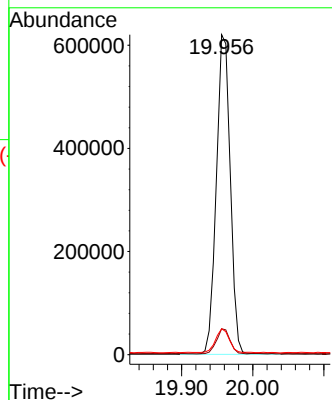
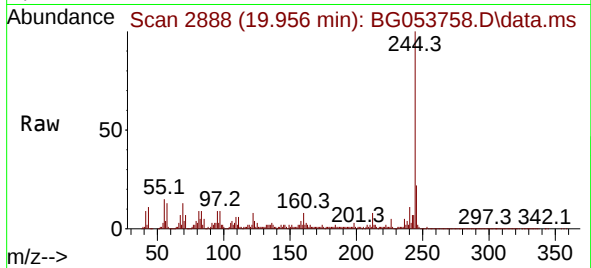




#79
 Terphenyl-d14
 Concen: 67.882 ng
 RT: 19.956 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

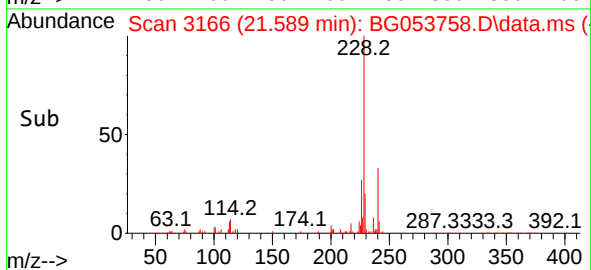
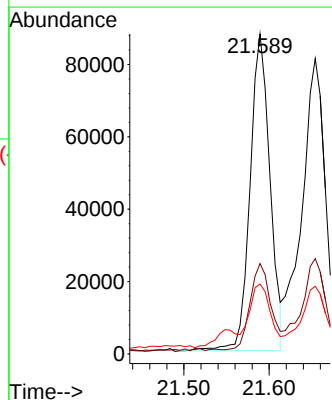
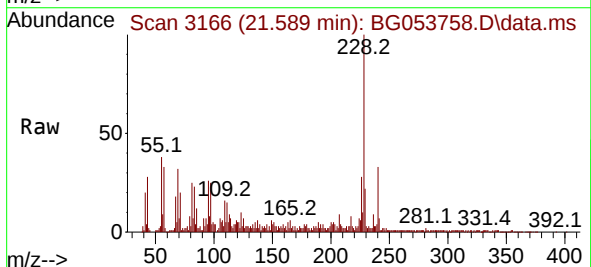
Instrument :
 BNA_G
 ClientSampleId :
 72-1193

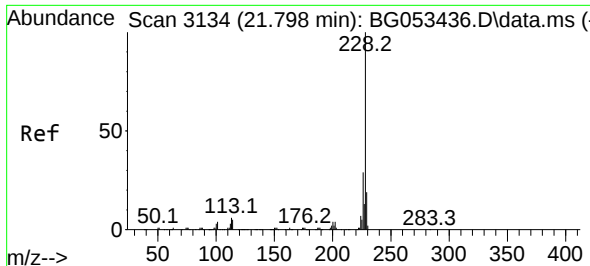
Tgt Ion:244 Resp: 842226
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 8.1 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 9.625 ng
 RT: 21.589 min Scan# 3166
 Delta R.T. 0.003 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

Tgt Ion:228 Resp: 141856
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 21.9 16.2 24.2





#83

Chrysene

Concen: 10.905 ng

RT: 21.654 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

Instrument :

BNA_G

ClientSampleId :

72-1193

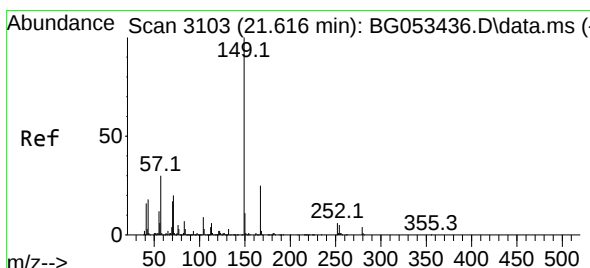
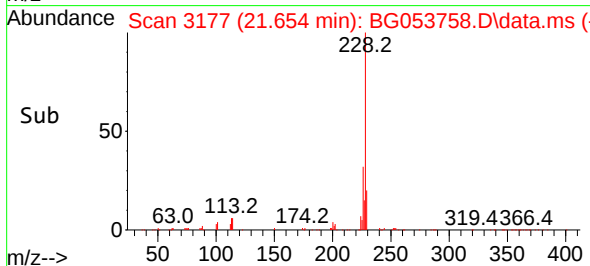
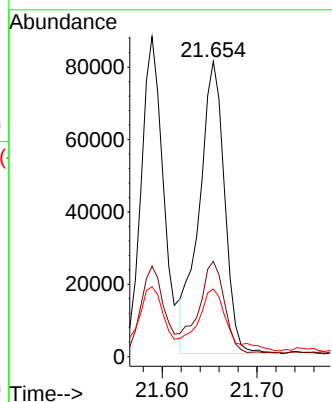
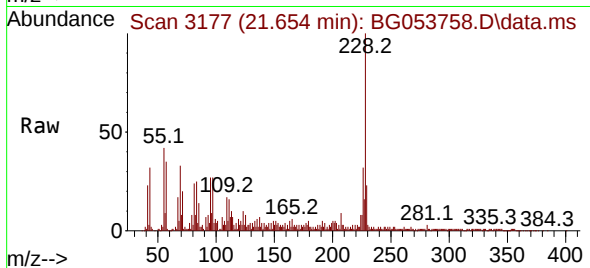
Tgt Ion:228 Resp: 150118

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.2

229 22.9 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 92.653 ng

RT: 21.484 min Scan# 3148

Delta R.T. 0.004 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

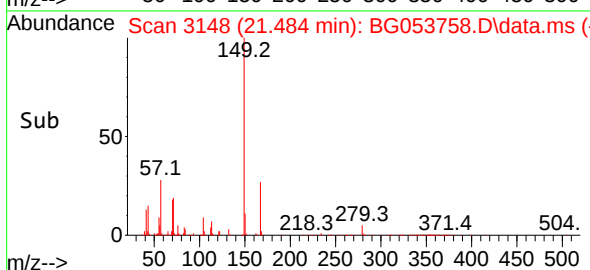
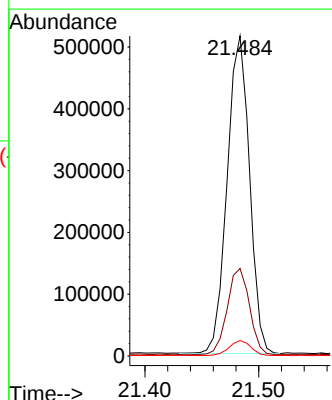
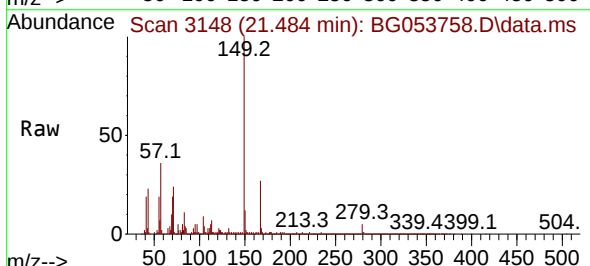
Tgt Ion:149 Resp: 701482

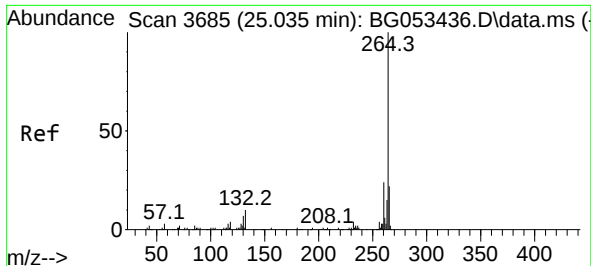
Ion Ratio Lower Upper

149 100

167 27.4 20.2 30.4

279 4.8 3.6 5.4

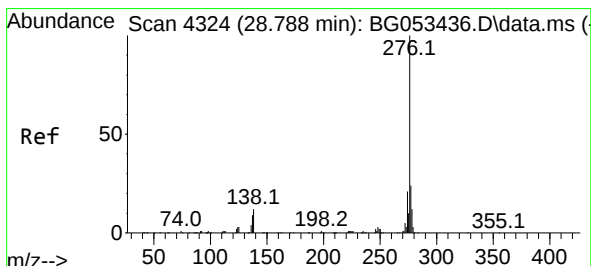
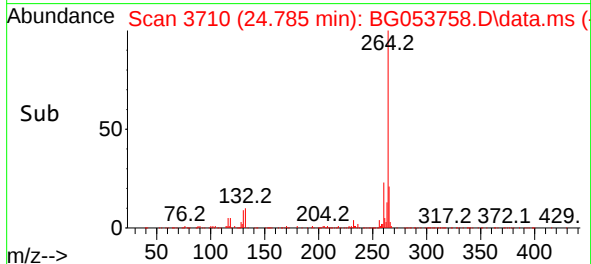
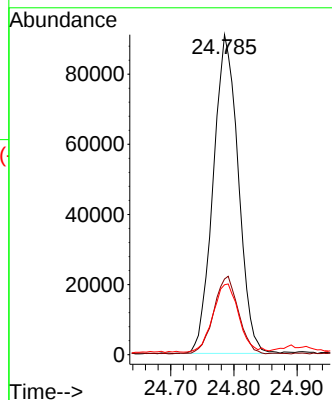
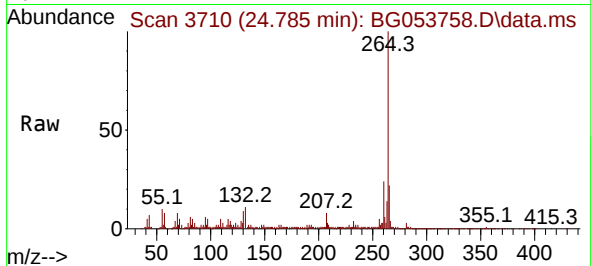




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.785 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

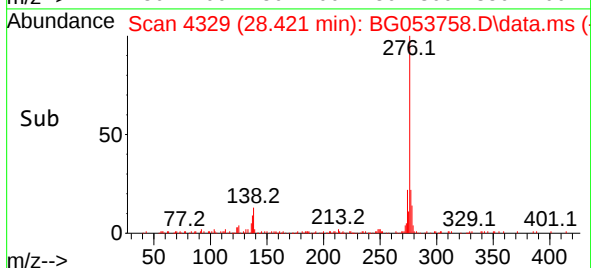
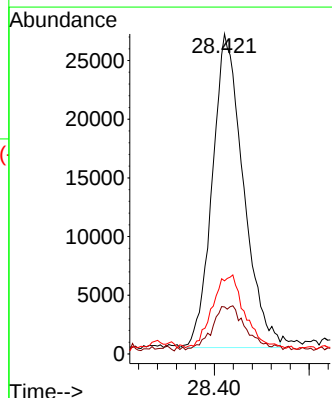
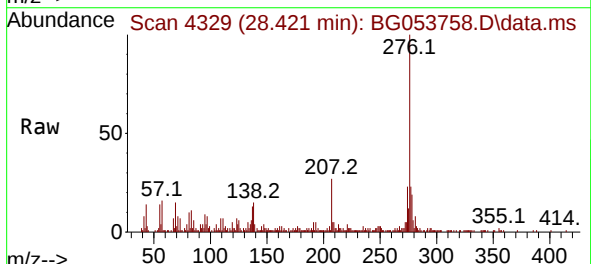
Instrument :
BNA_G
ClientSampleId :
72-1193

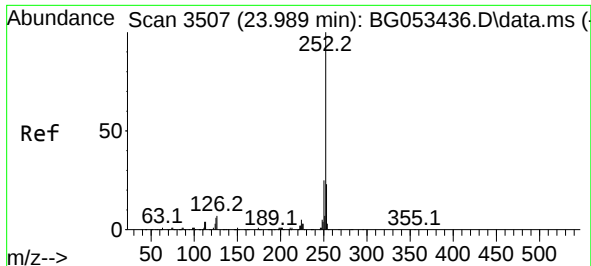
Tgt Ion:264 Resp: 250109
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.8 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.953 ng
RT: 28.421 min Scan# 4329
Delta R.T. -0.014 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:276 Resp: 121118
Ion Ratio Lower Upper
276 100
138 7.2 5.0 7.4
277 0.0 20.3 30.5#

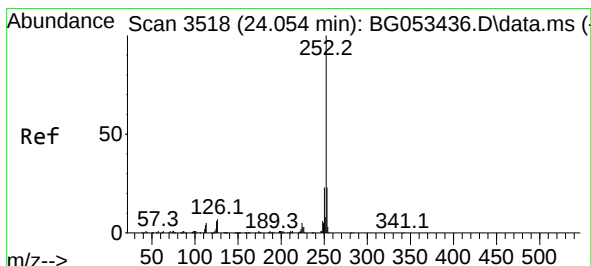
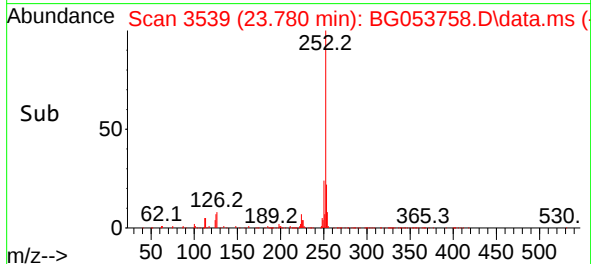
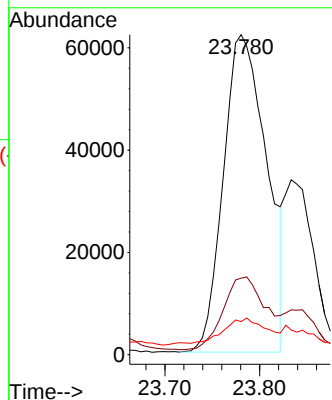
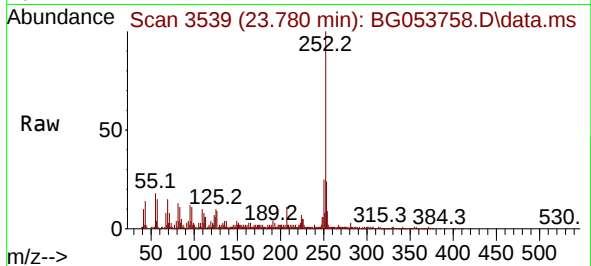




#88
Benzo(b)fluoranthene
Concen: 13.275 ng
RT: 23.780 min Scan# 3539
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

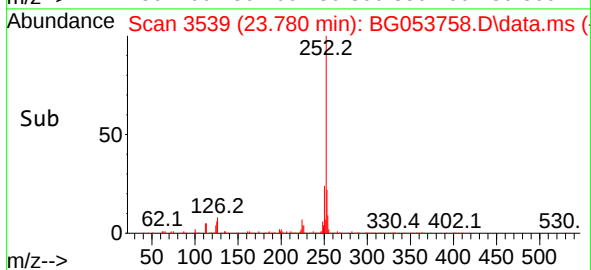
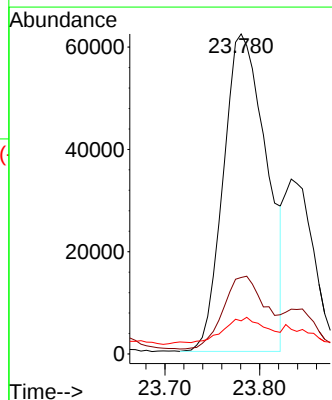
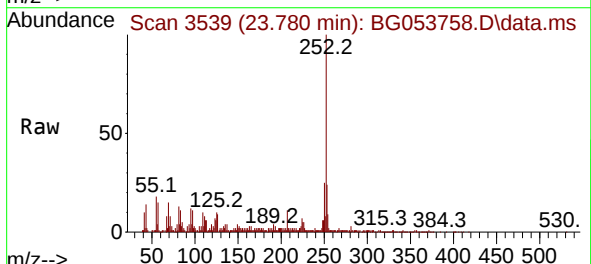
Instrument :
BNA_G
ClientSampleId :
72-1193

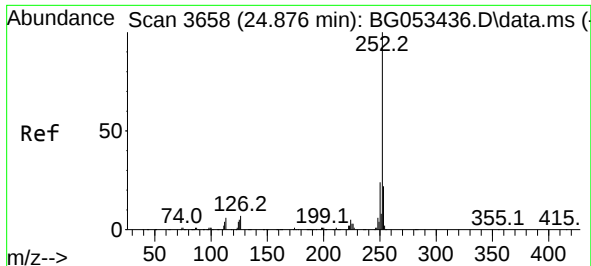
Tgt Ion:252 Resp: 196535
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 10.3 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 13.510 ng
RT: 23.780 min Scan# 3539
Delta R.T. -0.061 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:252 Resp: 196535
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 10.3 4.8 7.2#

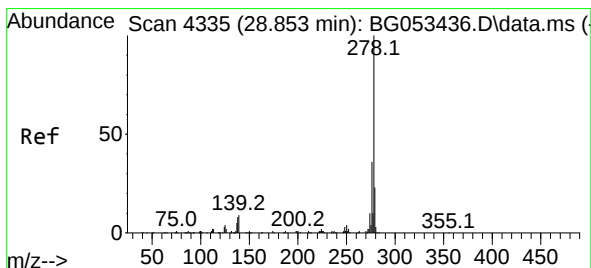
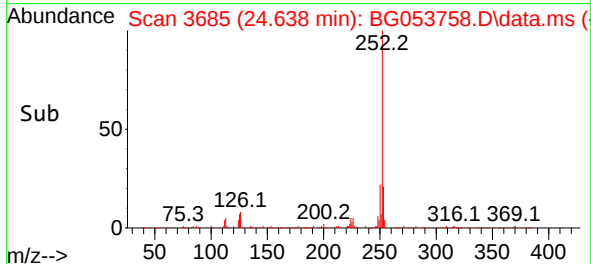
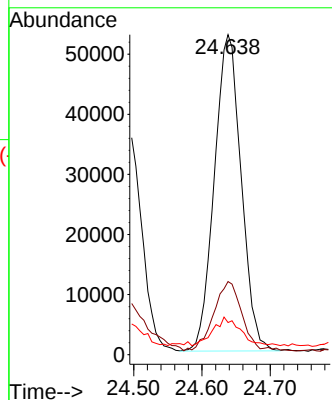
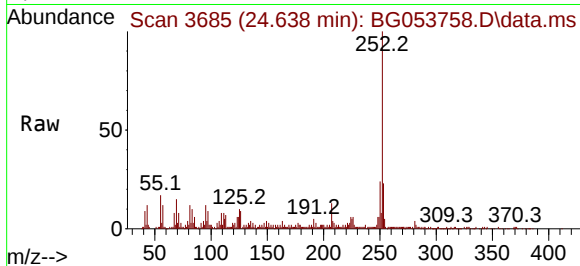




#90
Benzo(a)pyrene
Concen: 11.427 ng
RT: 24.638 min Scan# 3685
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

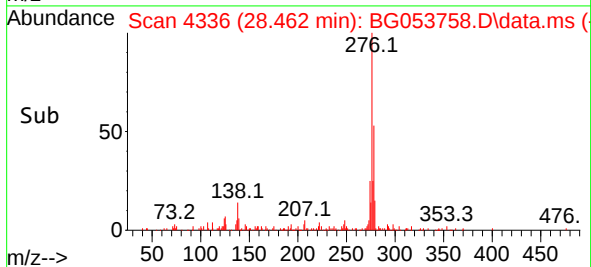
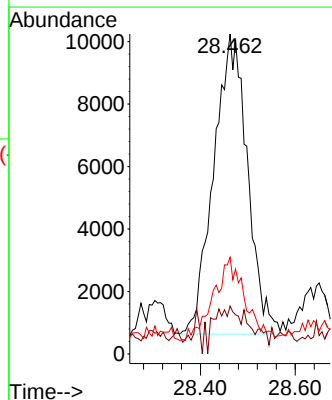
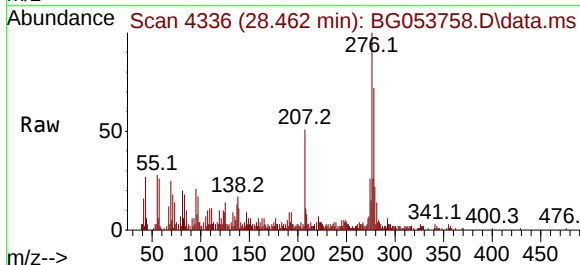
Instrument :
BNA_G
ClientSampleId :
72-1193

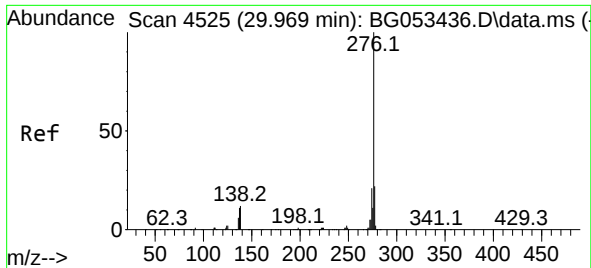
Tgt Ion:252 Resp: 143989
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.0 4.3 6.5#



#91
Dibenzo(a,h)anthracene
Concen: 3.302 ng
RT: 28.462 min Scan# 4336
Delta R.T. -0.020 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Tgt Ion:278 Resp: 47398
Ion Ratio Lower Upper
278 100
139 15.0 7.2 10.8#
279 30.2 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.018 ng
 RT: 29.567 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

Instrument :
 BNA_G
 ClientSampleId :
 72-1193

Tgt Ion:276 Resp: 114075
 Ion Ratio Lower Upper
 276 100
 277 22.6 17.3 25.9
 138 13.8 9.6 14.4

