

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056542.D
 Acq On : 3 Feb 2023 17:11
 Operator : CG/JU
 Sample : 01348-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-H5(31-32)

Quant Time: Feb 04 05:12:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

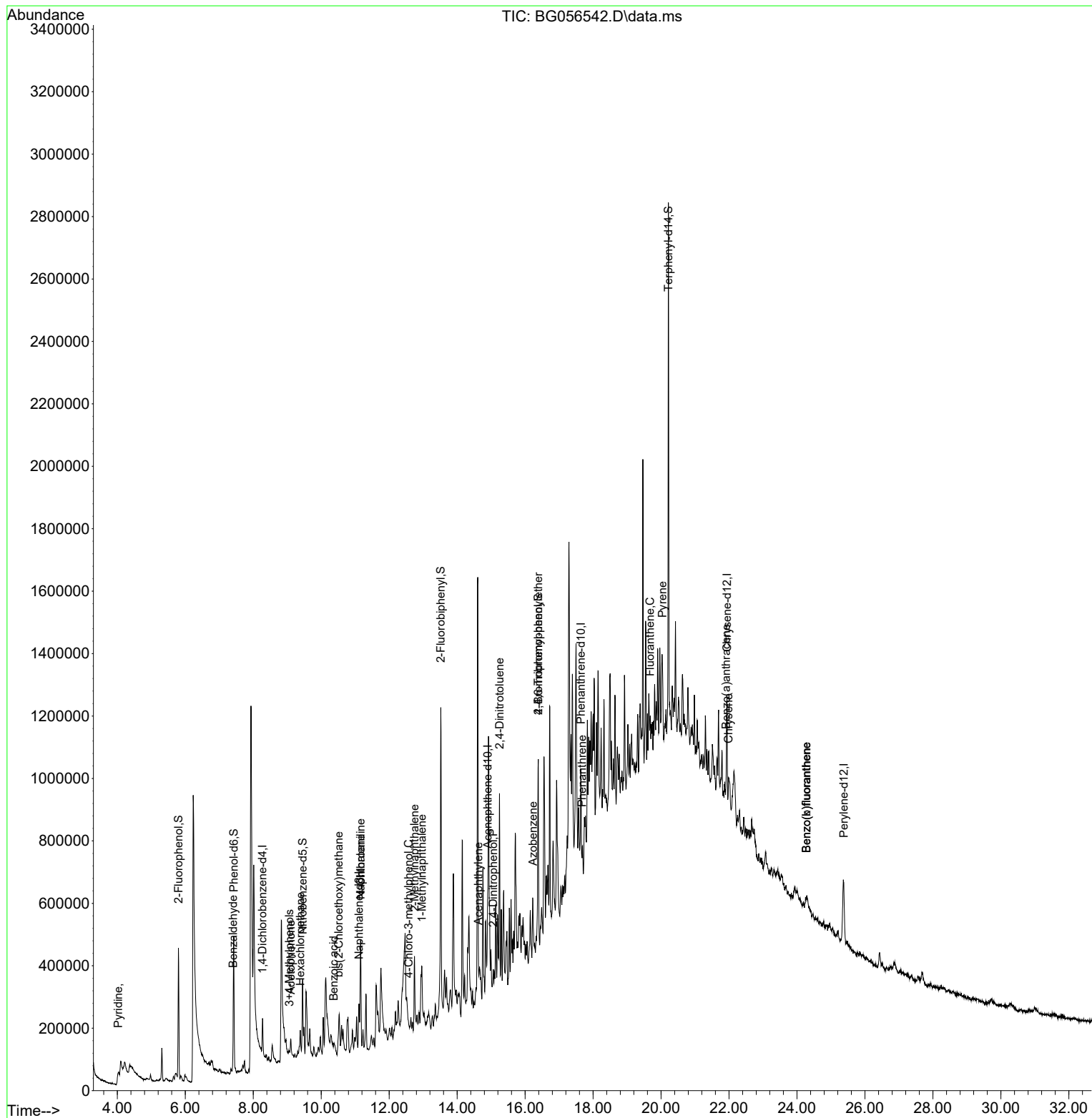
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	38531	20.000	ng	# 0.00
21) Naphthalene-d8	11.110	136	140607	20.000	ng	0.00
39) Acenaphthene-d10	14.900	164	100171	20.000	ng	0.00
64) Phenanthrene-d10	17.638	188	213836	20.000	ng	# 0.00
76) Chrysene-d12	21.939	240	212302	20.000	ng	# 0.01
86) Perylene-d12	25.376	264	232160	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	246776	117.818	ng	0.00
7) Phenol-d6	7.426	99	329866	106.290	ng	0.00
23) Nitrobenzene-d5	9.453	82	173185	69.942	ng	0.00
42) 2,4,6-Tribromophenol	16.386	330	129329	97.115	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	519392	71.887	ng	0.00
79) Terphenyl-d14	20.217	244	869991	71.974	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	4.030	79	45797	17.615	ng	# 73
9) Benzaldehyde	7.409	77	5327	2.516	ng	# 64
18) Hexachloroethane	9.383	117	48629	59.927	ng	# 1
20) 3+4-Methylphenols	9.065	107	9571	2.846	ng	# 15
22) Acetophenone	9.101	105	44834	12.001	ng	# 90
28) bis(2-Chloroethoxy)met...	10.517	93	13921	4.933	ng	98
31) Naphthalene	11.163	128	311569	41.983	ng	98
32) Benzoic acid	10.364	122	3811	2.809	ng	# 1
33) 4-Chloroaniline	11.157	127	43944	12.685	ng	# 43
36) 4-Chloro-3-methylphenol	12.567	107	6298	2.389	ng	95
37) 2-Methylnaphthalene	12.743	142	102959	16.828	ng	# 89
38) 1-Methylnaphthalene	12.961	142	79703	13.949	ng	# 94
49) Acenaphthylene	14.629	152	55784	6.037	ng	# 89
54) 2,4-Dinitrophenol	15.058	184	3123	2.819	ng	# 1
57) 2,4-Dinitrotoluene	15.246	165	18377	7.382	ng	# 36
63) Azobenzene	16.233	77	14532	2.775	ng	# 53
67) 4-Bromophenyl-phenylether	16.386	248	9912	3.621	ng	# 1
71) Phenanthrene	17.679	178	33894	3.028	ng	# 93
75) Fluoranthene	19.677	202	56546	4.003	ng	87
78) Pyrene	20.041	202	92655	6.136	ng	94
81) Benzo(a)anthracene	21.915	228	53394	3.597	ng	# 85
83) Chrysene	21.980	228	55685	3.993	ng	# 90
88) Benzo(b)fluoranthene	24.277	252	38830	2.695	ng	# 86
89) Benzo(k)fluoranthene	24.277	252	38830	2.669	ng	# 85

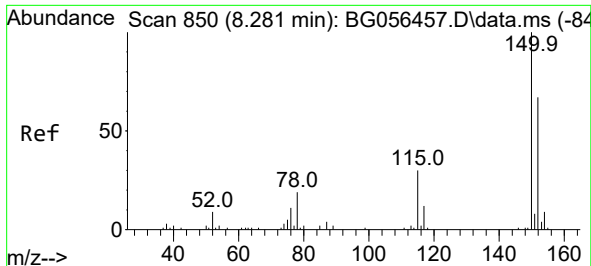
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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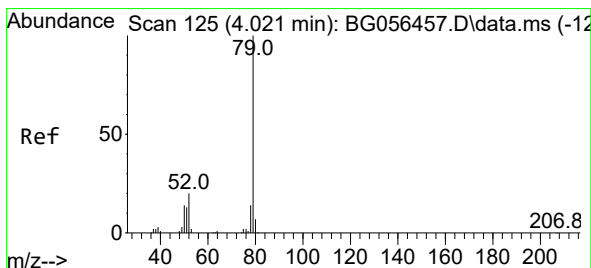
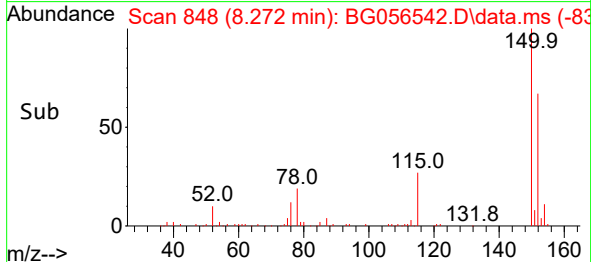
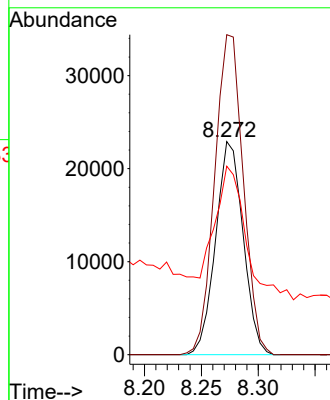
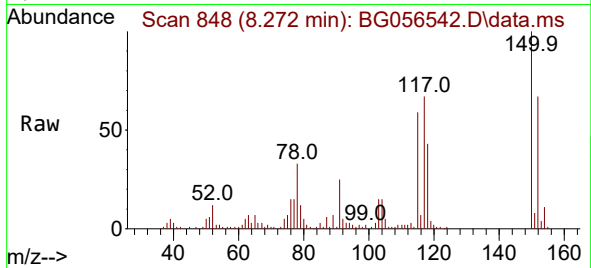




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

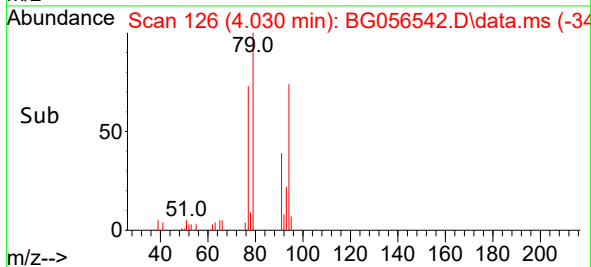
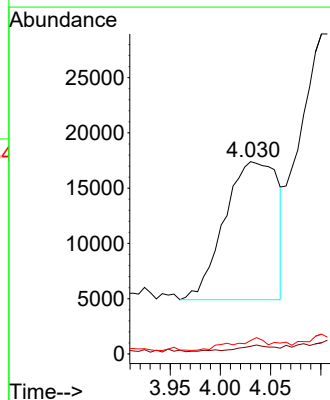
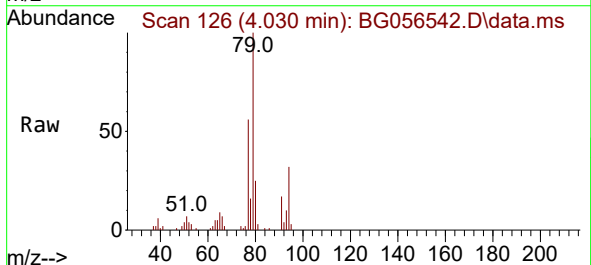
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

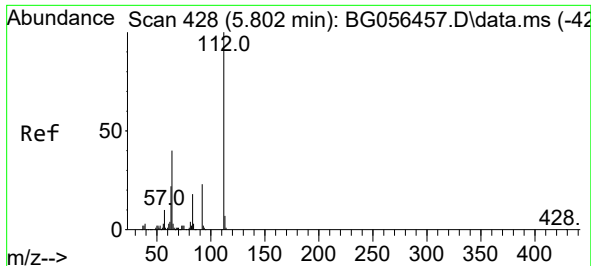
Tgt Ion:152 Resp: 38531
Ion Ratio Lower Upper
152 100
150 150.2 120.2 180.4
115 88.5 36.3 54.5#



#3
Pyridine
Concen: 17.615 ng
RT: 4.030 min Scan# 126
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion: 79 Resp: 45797
Ion Ratio Lower Upper
79 100
52 4.0 16.1 24.1#
51 7.0 10.7 16.1#

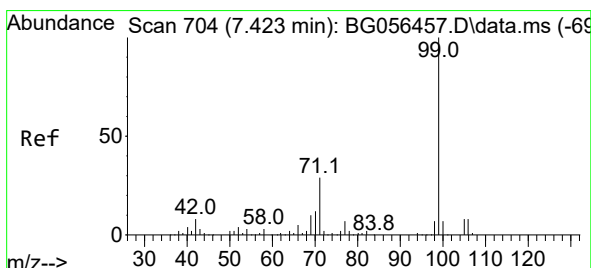
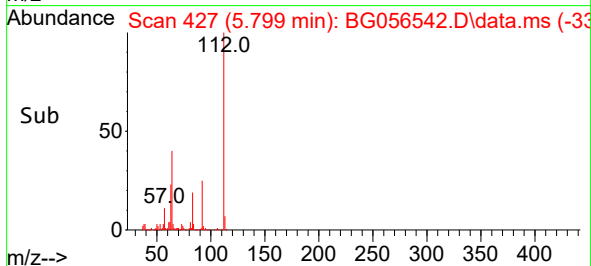
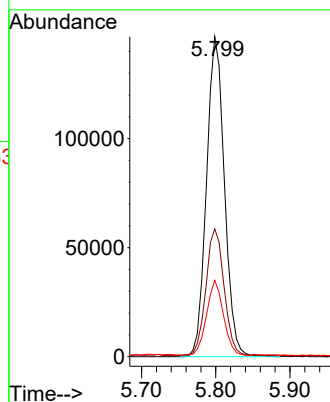
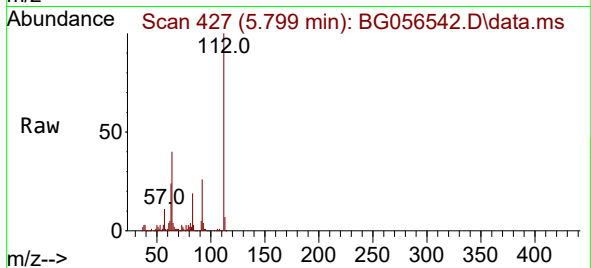




#5
2-Fluorophenol
Concen: 117.818 ng
RT: 5.799 min Scan# 428
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

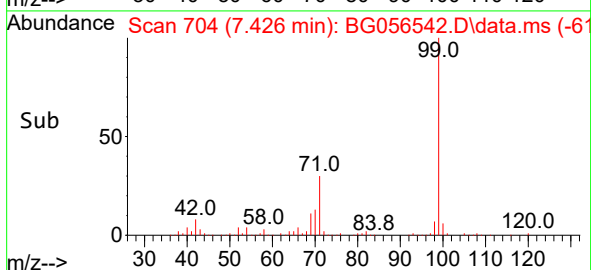
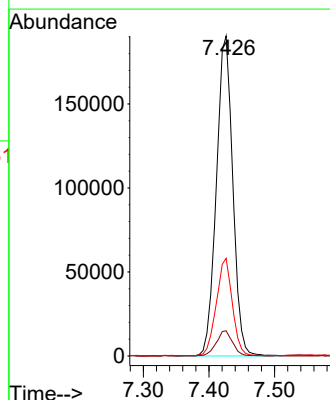
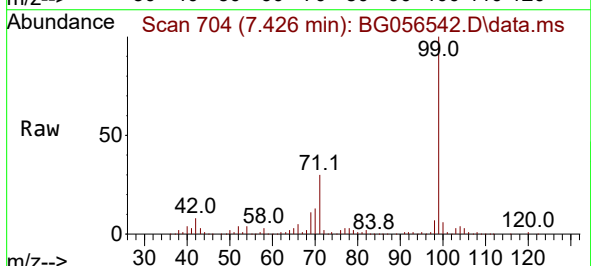
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

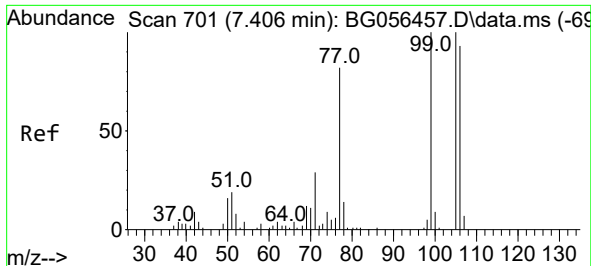
Tgt Ion:112 Resp: 246776
Ion Ratio Lower Upper
112 100
64 40.0 31.9 47.9
63 23.8 17.4 26.0



#7
Phenol-d6
Concen: 106.290 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion: 99 Resp: 329866
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 30.5 23.4 35.0

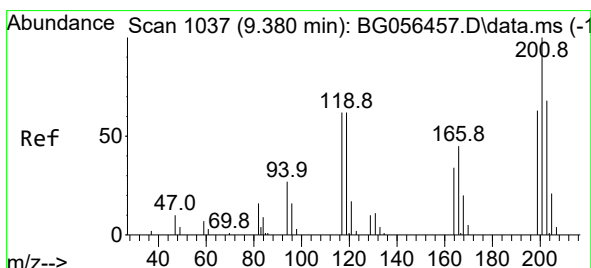
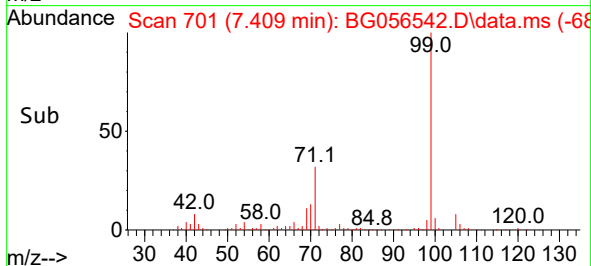
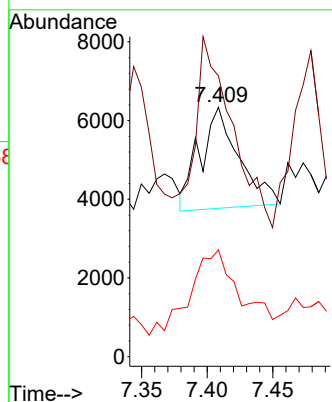
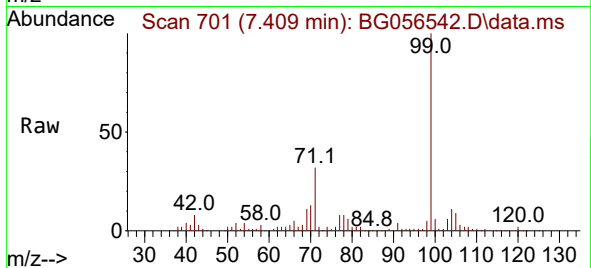




#9
Benzaldehyde
Concen: 2.516 ng
RT: 7.409 min Scan# 701
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

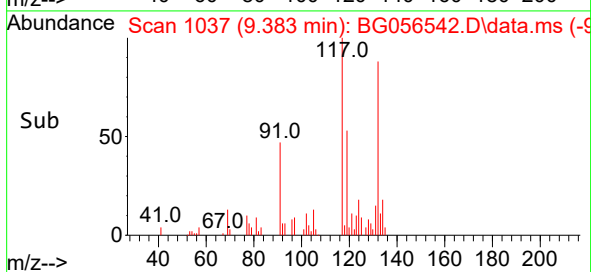
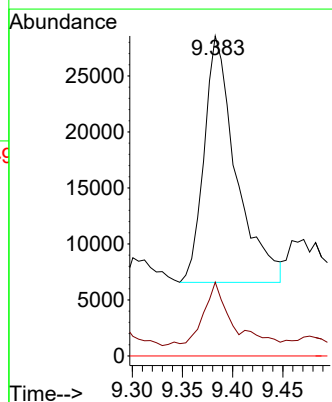
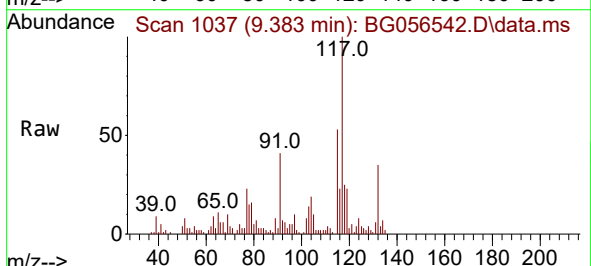
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

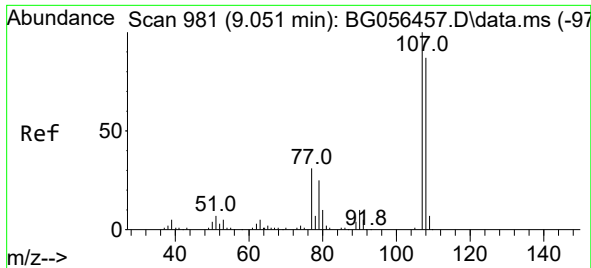
Tgt Ion: 77 Resp: 5327
Ion Ratio Lower Upper
77 100
105 112.6 101.8 141.8
106 42.9 93.0 133.0#



#18
Hexachloroethane
Concen: 59.927 ng
RT: 9.383 min Scan# 1037
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion: 117 Resp: 48629
Ion Ratio Lower Upper
117 100
119 23.0 79.4 119.0#
201 0.0 128.5 192.7#

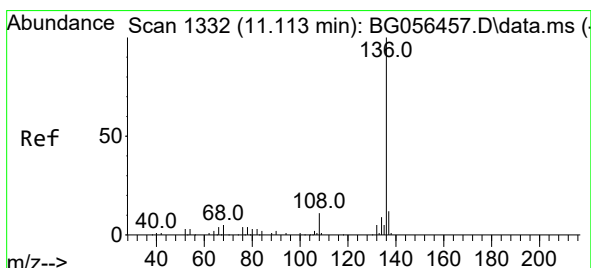
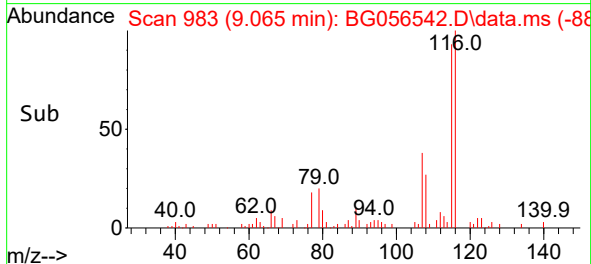
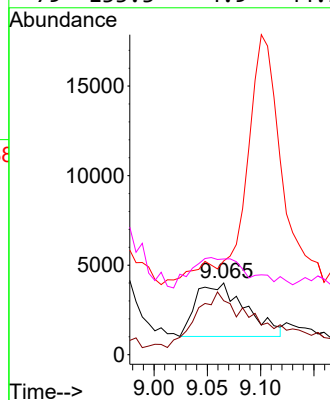
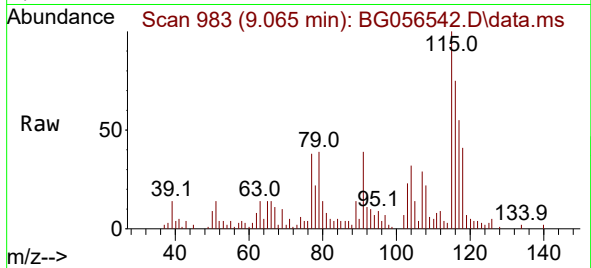




#20
3+4-Methylphenols
Concen: 2.846 ng
RT: 9.065 min Scan# 90
Delta R.T. 0.020 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

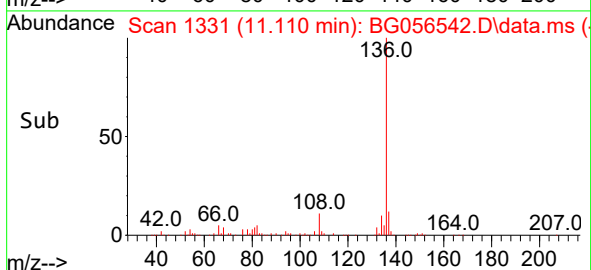
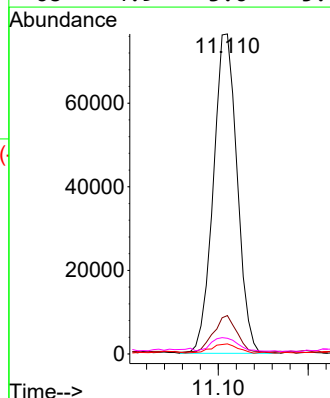
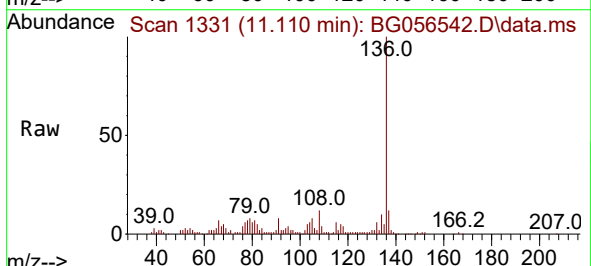
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

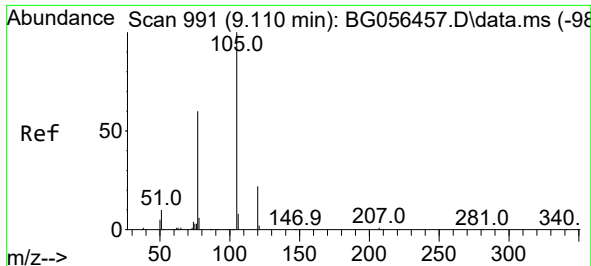
Tgt Ion:107 Resp: 9571
Ion Ratio Lower Upper
107 100
108 75.2 66.7 106.7
77 130.6 10.6 50.6#
79 133.3 4.9 44.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.110 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:136 Resp: 140607
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 3.1 2.2 3.4
68 4.9 3.6 5.4

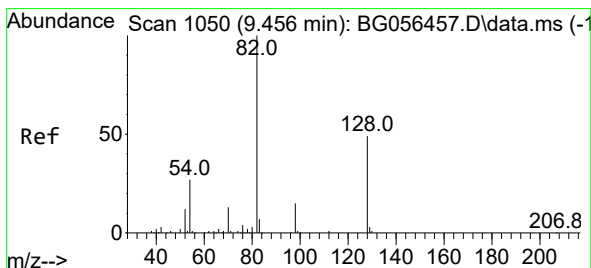
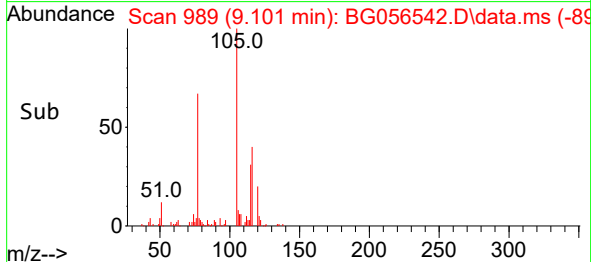
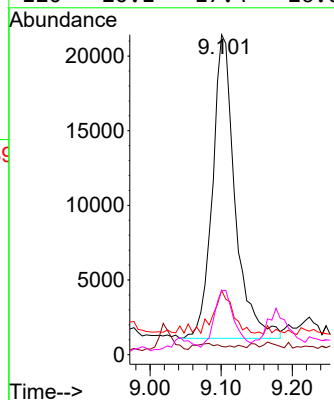
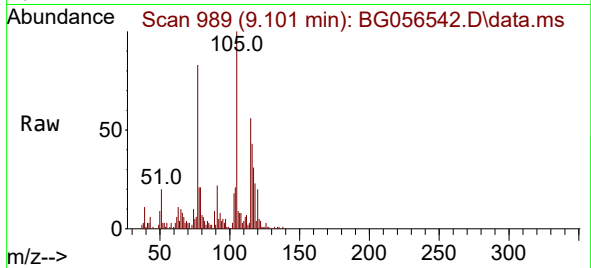




#22
Acetophenone
Concen: 12.001 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

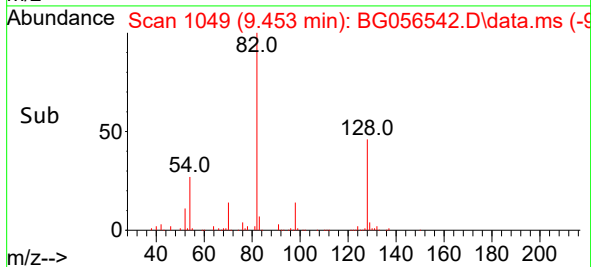
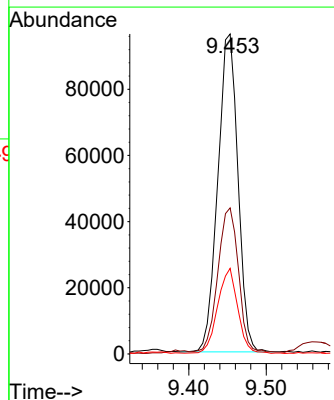
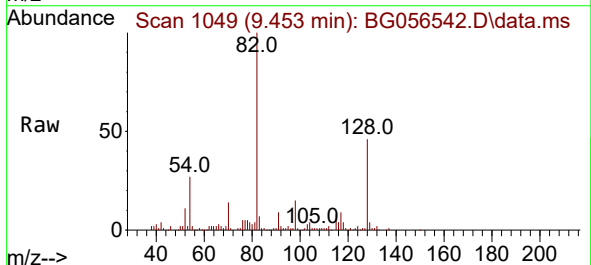
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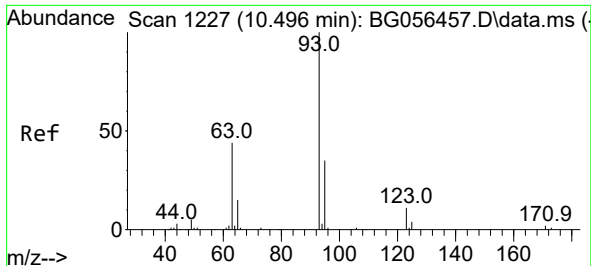
Tgt Ion:105 Resp: 44834
Ion Ratio Lower Upper
105 100
71 2.6 0.6 0.8#
51 20.1 9.2 13.8#
120 20.1 17.4 26.0



#23
Nitrobenzene-d5
Concen: 69.942 ng
RT: 9.453 min Scan# 1049
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion: 82 Resp: 173185
Ion Ratio Lower Upper
82 100
128 45.6 39.4 59.2
54 26.8 21.4 32.2

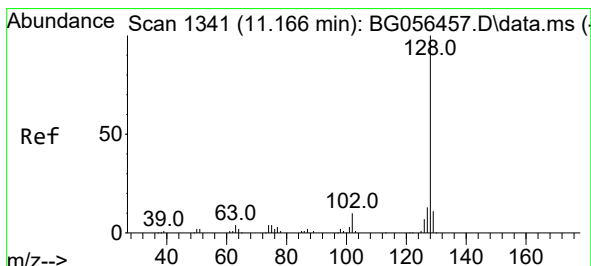
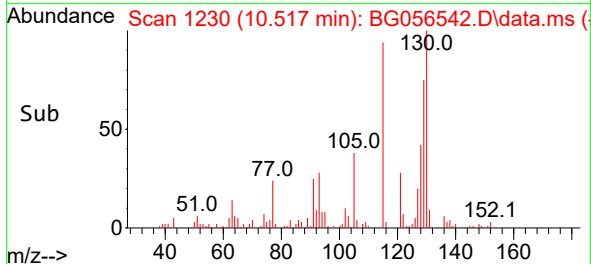
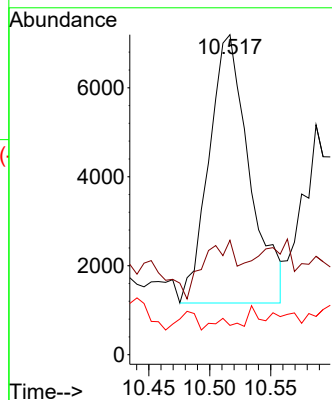
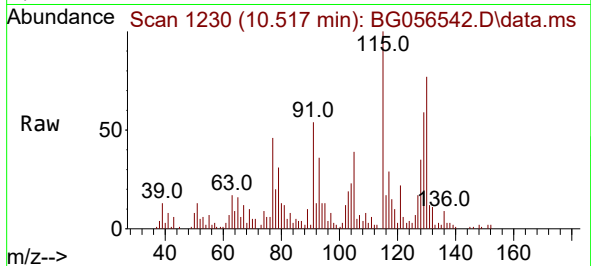




#28
bis(2-Chloroethoxy)methane
Concen: 4.933 ng
RT: 10.517 min Scan# 11
Delta R.T. 0.026 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

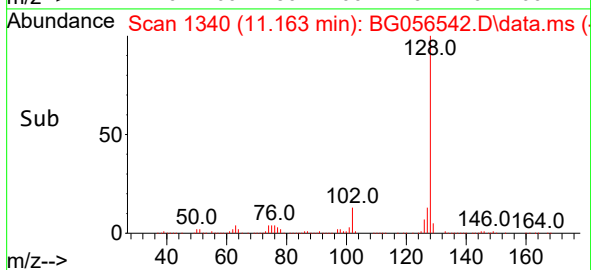
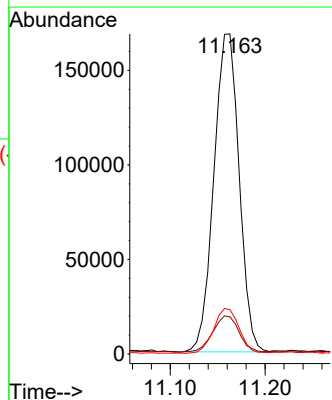
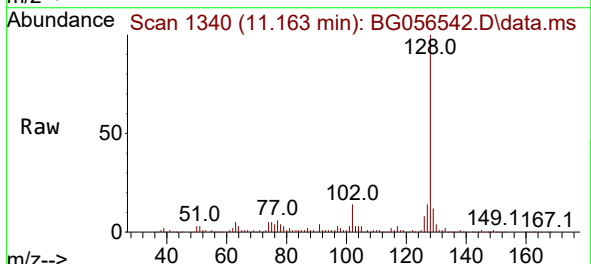
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W-H5(31-32)

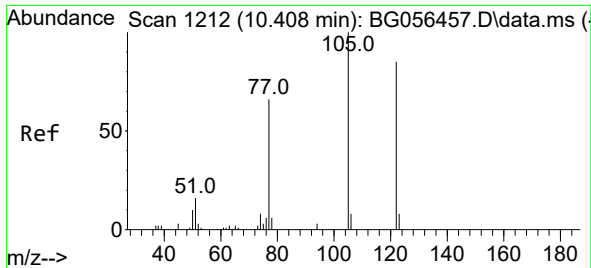
Tgt Ion: 93 Resp: 13921
Ion Ratio Lower Upper
93 100
95 35.8 27.9 41.9
123 9.1 8.6 12.8



#31
Naphthalene
Concen: 41.983 ng
RT: 11.163 min Scan# 1340
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:128 Resp: 311569
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.9 10.4 15.6

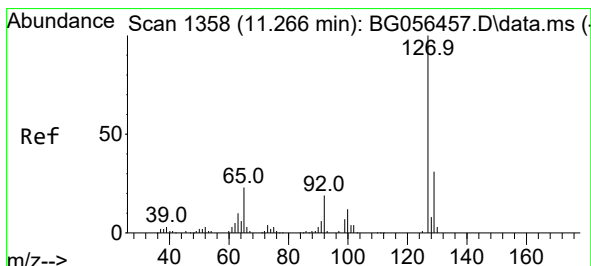
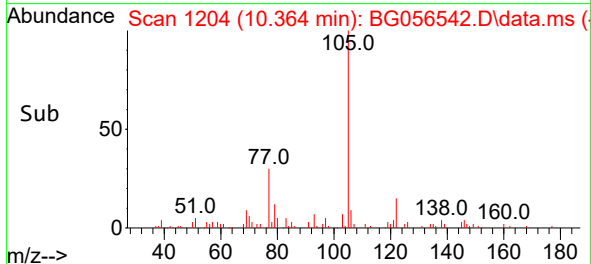
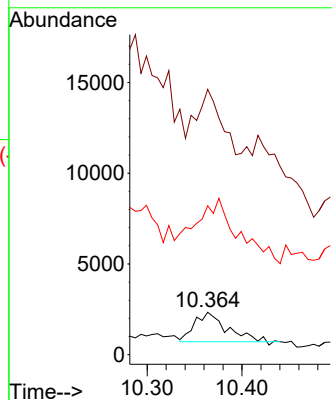
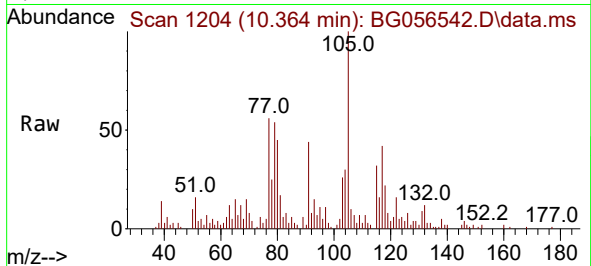




#32
Benzoic acid
Concen: 2.809 ng
RT: 10.364 min Scan# 11
Delta R.T. -0.038 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

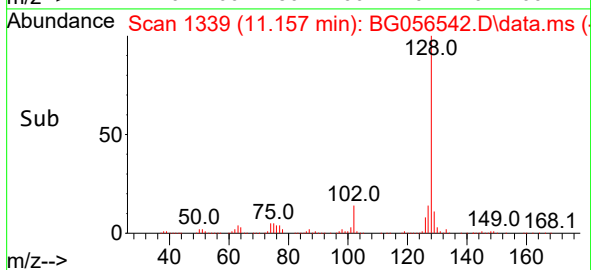
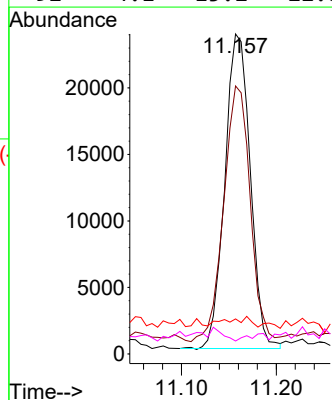
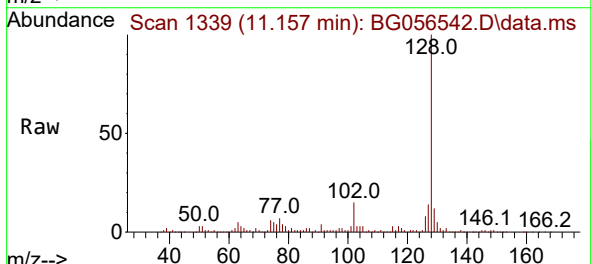
Instrument :
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W-H5(31-32)

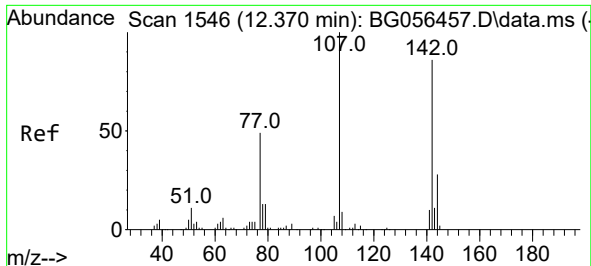
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Ion Ratio Lower Upper
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105 625.5 96.5 136.5#
77 351.2 57.3 97.3#



#33
4-Chloroaniline
Concen: 12.685 ng
RT: 11.157 min Scan# 1339
Delta R.T. -0.109 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:127 Resp: 43944
Ion Ratio Lower Upper
127 100
129 83.7 25.0 37.6#
65 11.0 18.5 27.7#
92 4.1 15.2 22.8#





#36

4-Chloro-3-methylphenol

Concen: 2.389 ng

RT: 12.567 min Scan# 1

Delta R.T. 0.202 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

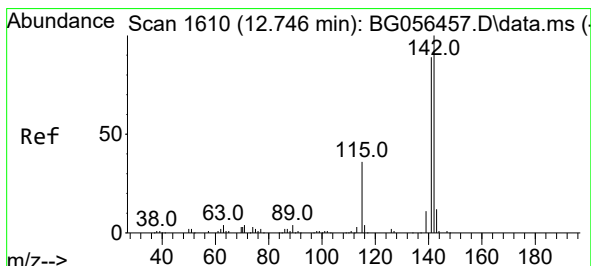
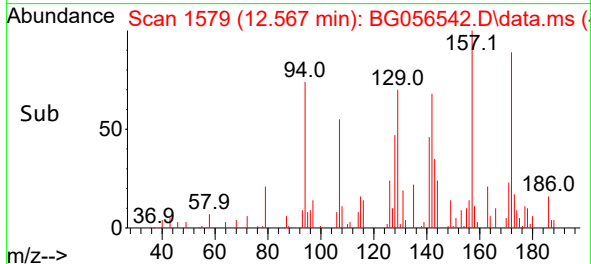
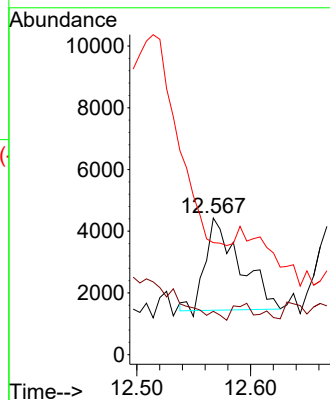
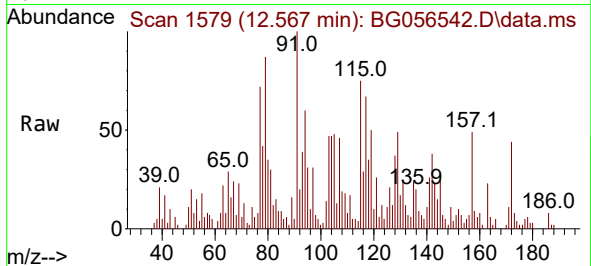
Tgt Ion:107 Resp: 6298

Ion Ratio Lower Upper

107 100

144 31.7 22.3 33.5

142 82.0 68.9 103.3



#37

2-Methylnaphthalene

Concen: 16.828 ng

RT: 12.743 min Scan# 1609

Delta R.T. -0.003 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

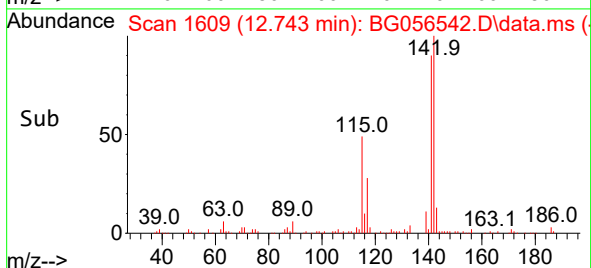
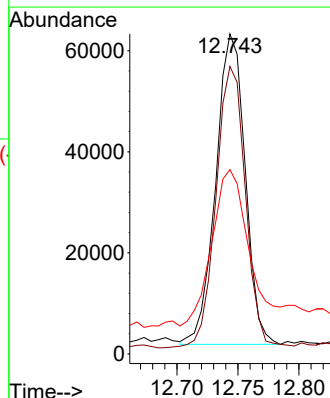
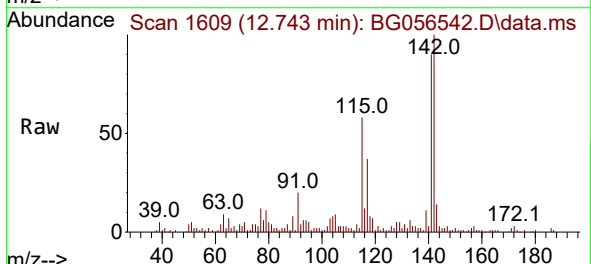
Tgt Ion:142 Resp: 102959

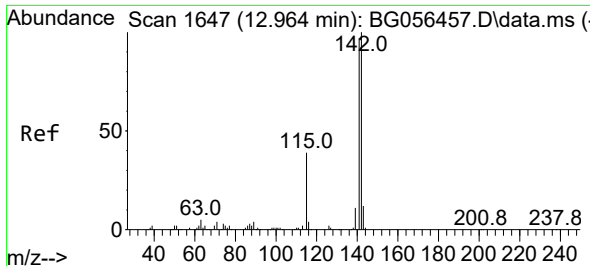
Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.0

115 57.6 28.4 42.6#

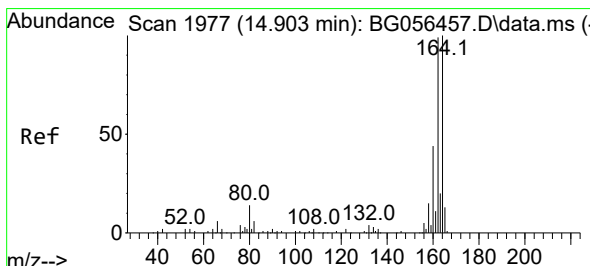
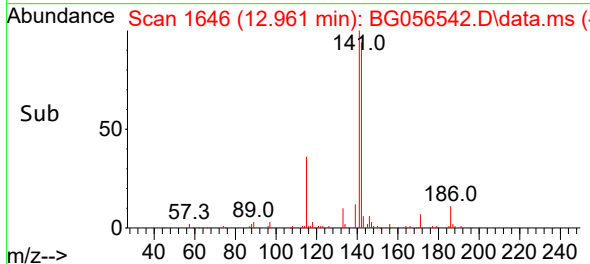
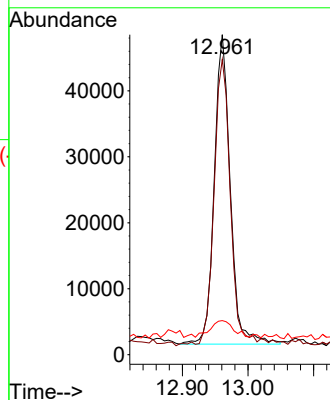
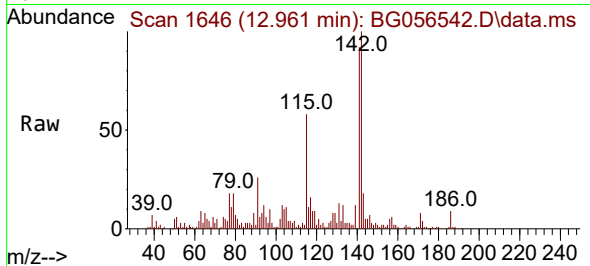




#38
1-Methylnaphthalene
Concen: 13.949 ng
RT: 12.961 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

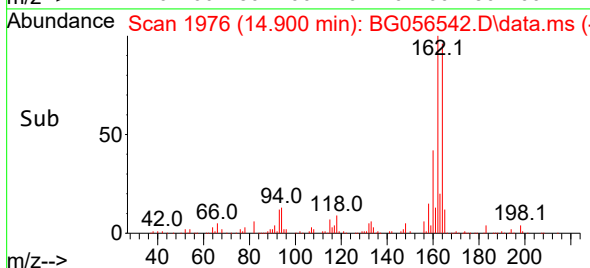
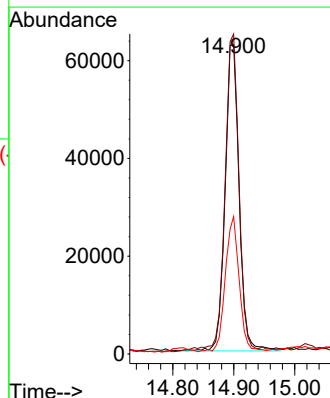
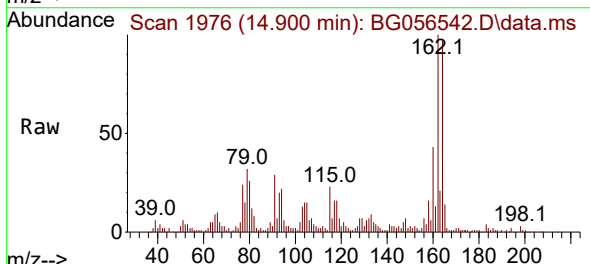
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

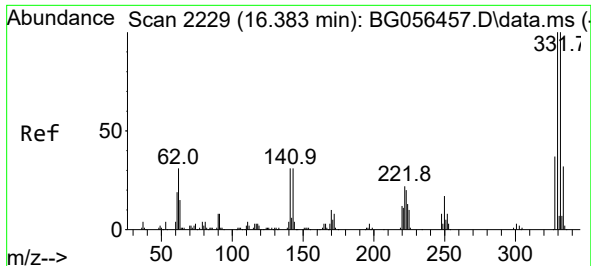
Tgt Ion:142 Resp: 79703
Ion Ratio Lower Upper
142 100
141 92.2 77.7 116.5
116 10.7 3.4 5.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.900 min Scan# 1976
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

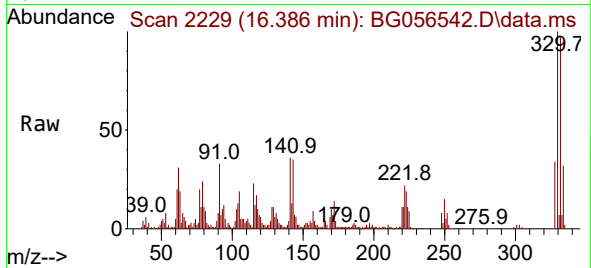
Tgt Ion:164 Resp: 100171
Ion Ratio Lower Upper
164 100
162 103.4 79.6 119.4
160 44.4 34.9 52.3



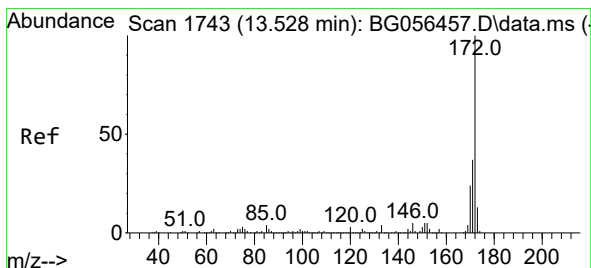
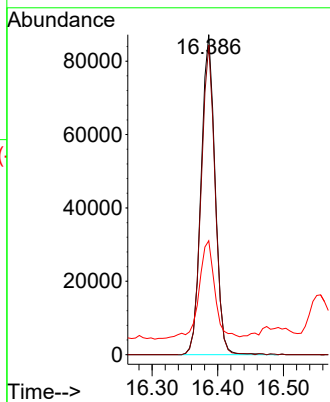
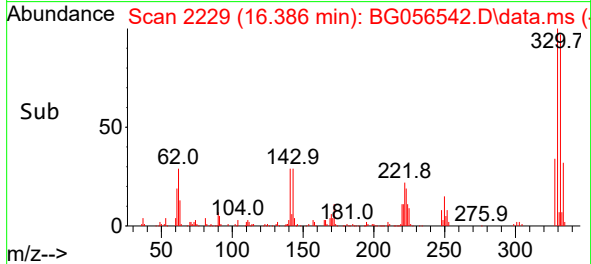


#42
2,4,6-Tribromophenol
Concen: 97.115 ng
RT: 16.386 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

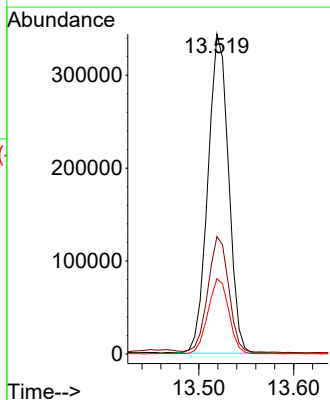
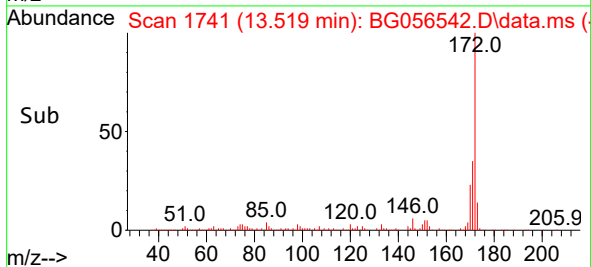
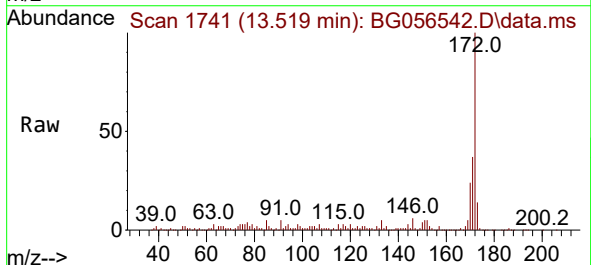


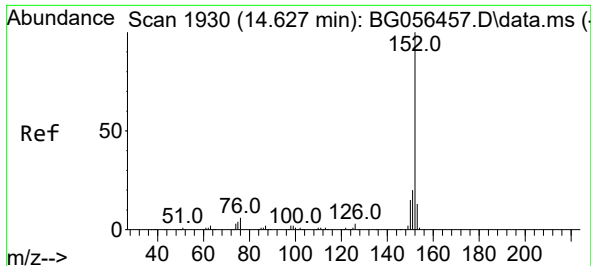
Tgt Ion:330 Resp: 129329
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.6
141 34.5 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 71.887 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:172 Resp: 519392
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 23.5 19.2 28.8

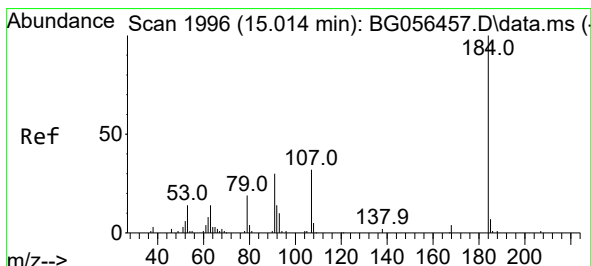
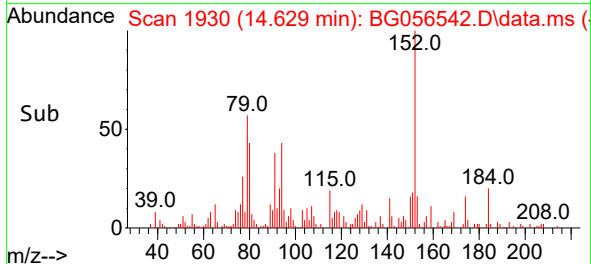
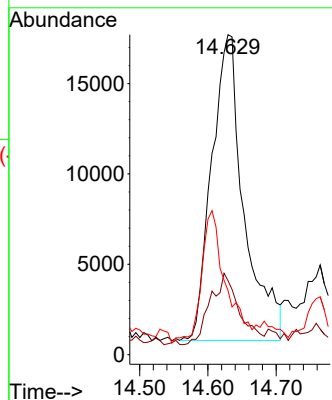
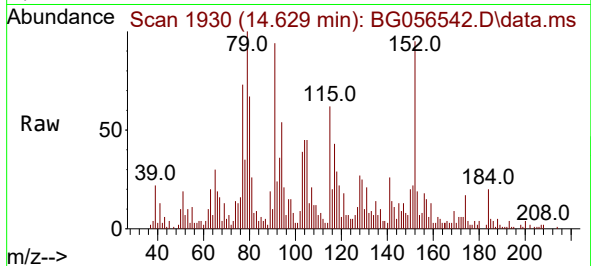




#49
Acenaphthylene
Concen: 6.037 ng
RT: 14.629 min Scan# 1930
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

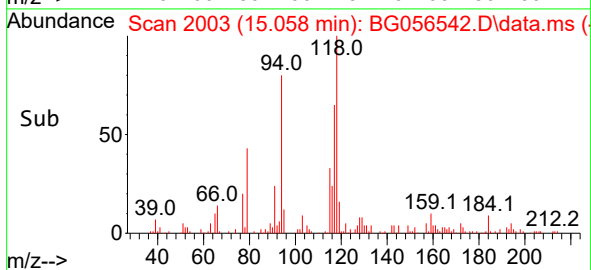
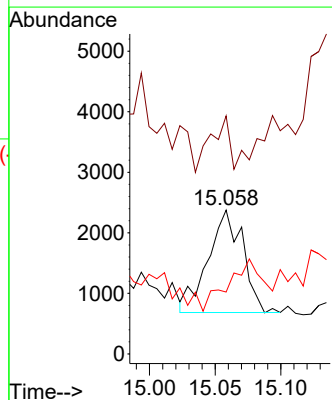
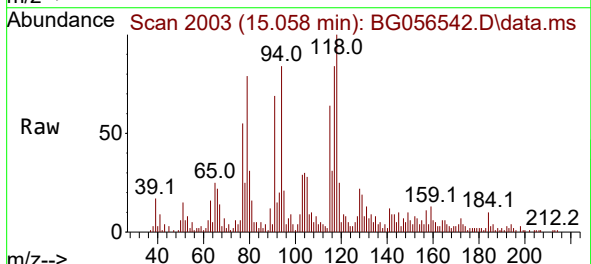
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

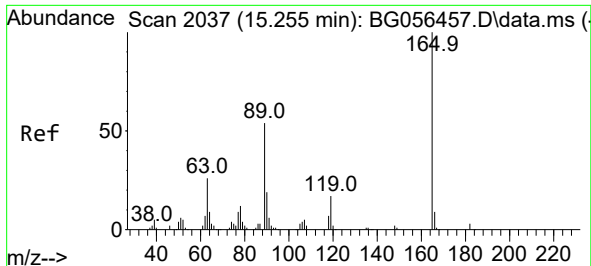
Tgt Ion:152 Resp: 55784
Ion Ratio Lower Upper
152 100
151 23.1 15.9 23.9
153 20.0 10.5 15.7#



#54
2,4-Dinitrophenol
Concen: 2.819 ng
RT: 15.058 min Scan# 2003
Delta R.T. 0.050 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:184 Resp: 3123
Ion Ratio Lower Upper
184 100
63 165.6 25.1 37.7#
154 43.1 44.8 67.2#





#57

2,4-Dinitrotoluene

Concen: 7.382 ng

RT: 15.246 min Scan# 2035

Delta R.T. -0.003 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

Tgt Ion:165 Resp: 18377

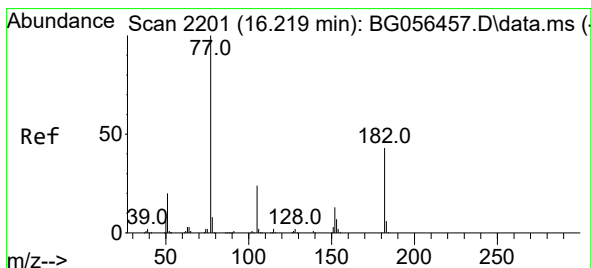
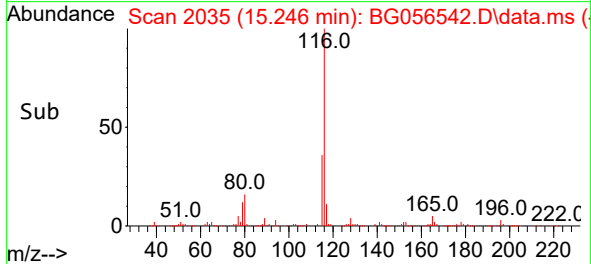
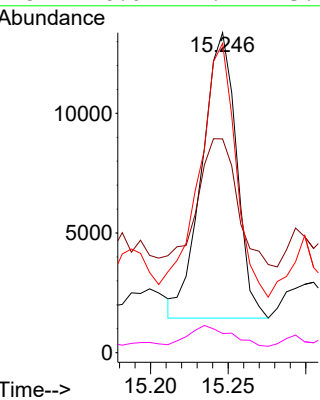
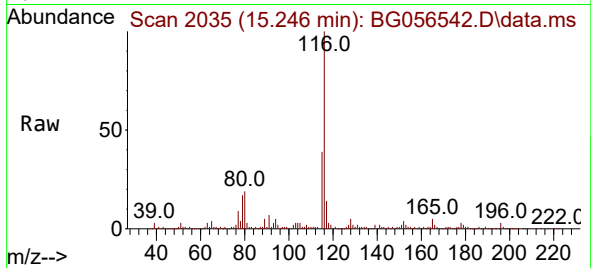
Ion Ratio Lower Upper

165 100

63 66.8 20.6 31.0#

89 96.7 43.1 64.7#

182 6.0 2.4 3.6#



#63

Azobenzene

Concen: 2.775 ng

RT: 16.233 min Scan# 2203

Delta R.T. 0.020 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Tgt Ion: 77 Resp: 14532

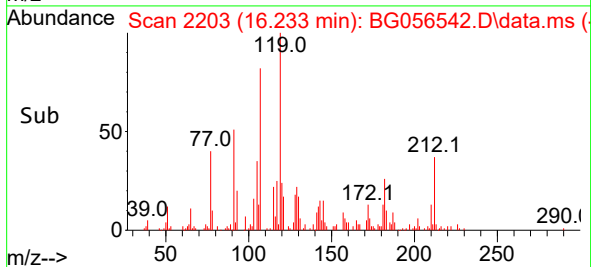
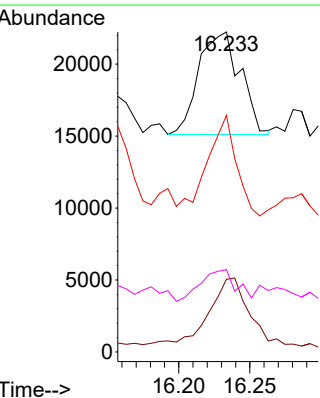
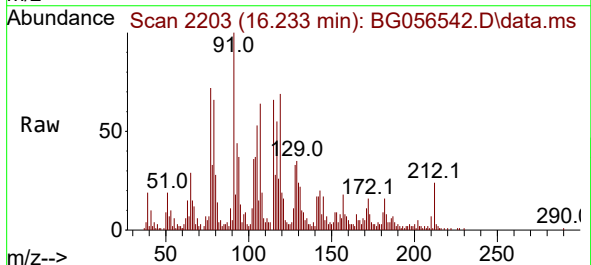
Ion Ratio Lower Upper

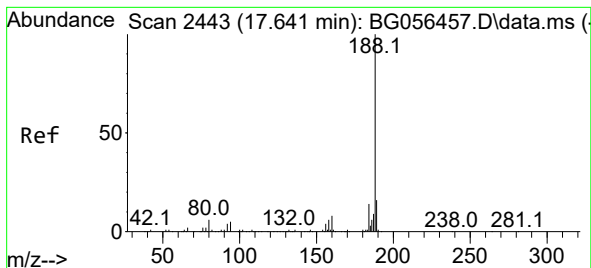
77 100

182 22.7 23.1 63.1#

105 74.0 4.2 44.2#

51 25.7 0.0 39.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.638 min Scan# 2443

Delta R.T. 0.003 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

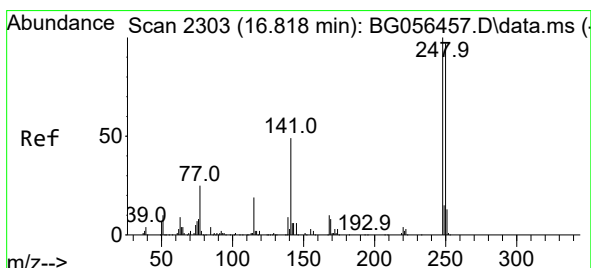
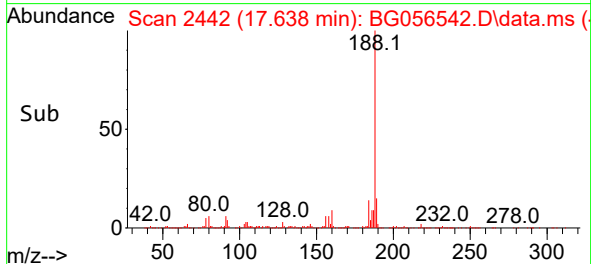
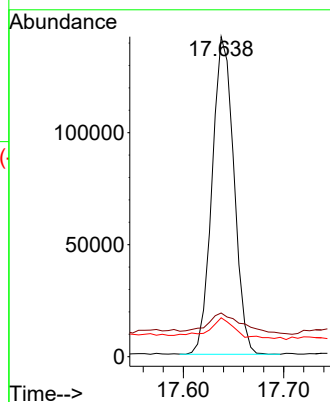
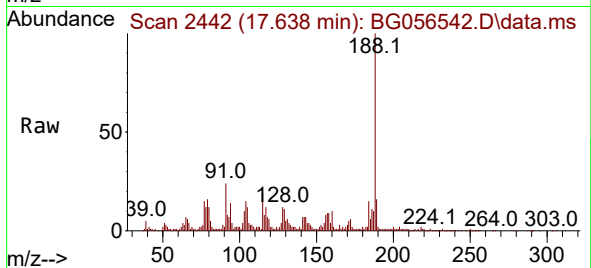
Tgt Ion:188 Resp: 213836

Ion Ratio Lower Upper

188 100

94 13.7 4.1 6.1#

80 12.1 5.0 7.4#



#67

4-Bromophenyl-phenylether

Concen: 3.621 ng

RT: 16.386 min Scan# 2229

Delta R.T. -0.426 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

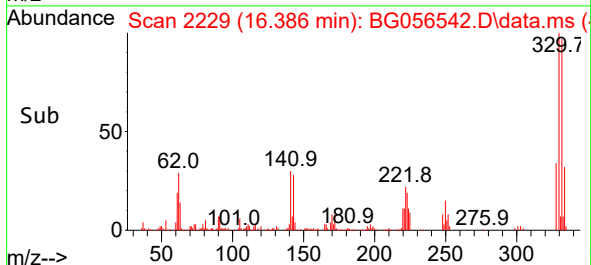
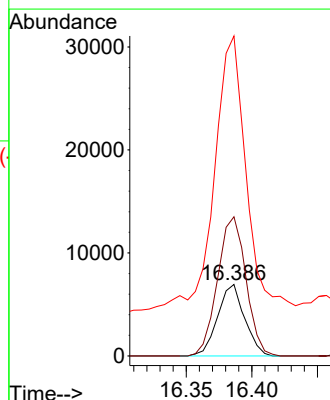
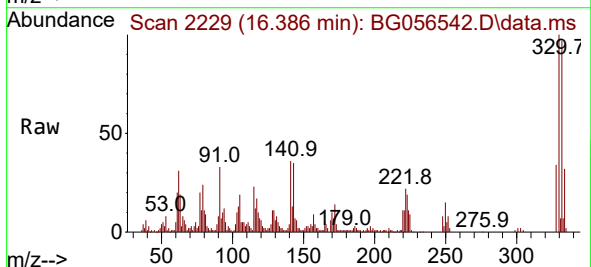
Tgt Ion:248 Resp: 9912

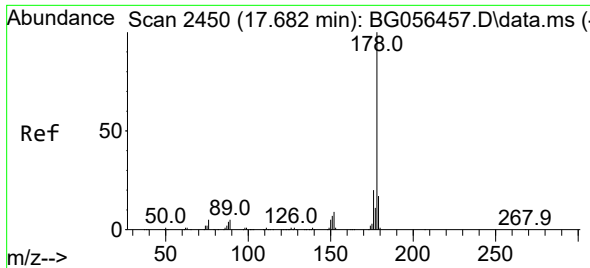
Ion Ratio Lower Upper

248 100

250 194.7 77.6 116.4#

141 447.7 39.0 58.4#

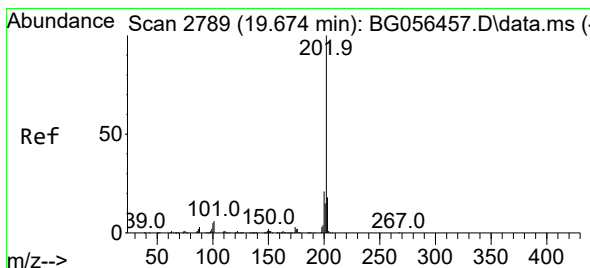
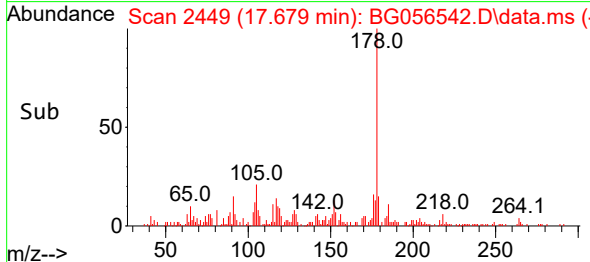
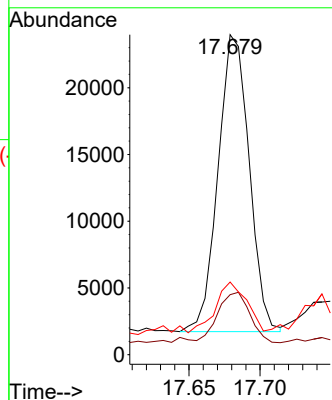
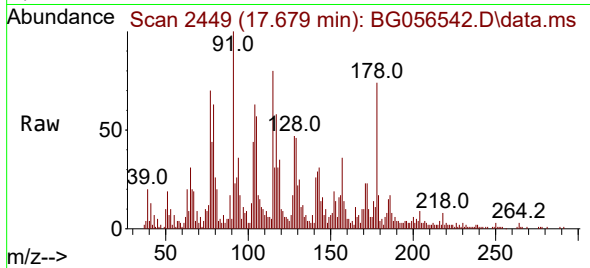




#71
Phenanthrene
Concen: 3.028 ng
RT: 17.679 min Scan# 2450
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

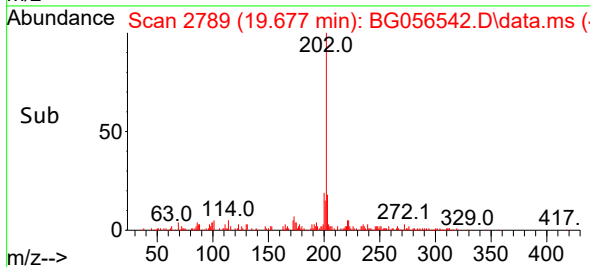
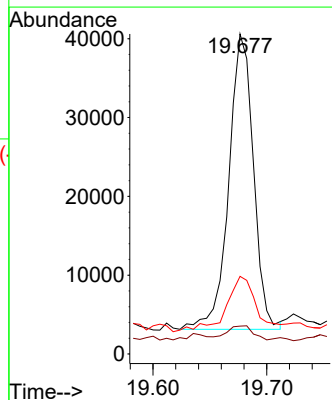
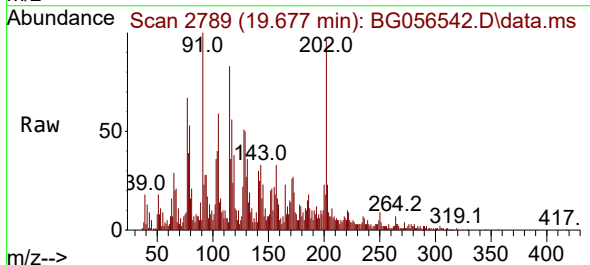
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

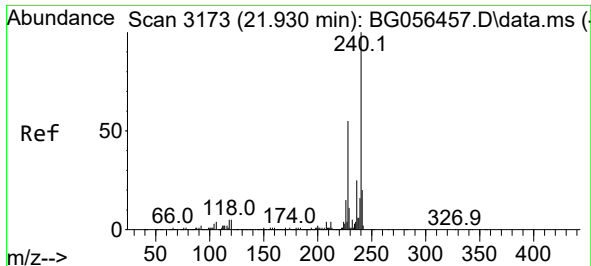
Tgt Ion:178 Resp: 33894
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 22.7 13.3 19.9#



#75
Fluoranthene
Concen: 4.003 ng
RT: 19.677 min Scan# 2789
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:202 Resp: 56546
Ion Ratio Lower Upper
202 100
101 8.7 0.0 25.6
203 24.2 0.0 38.1

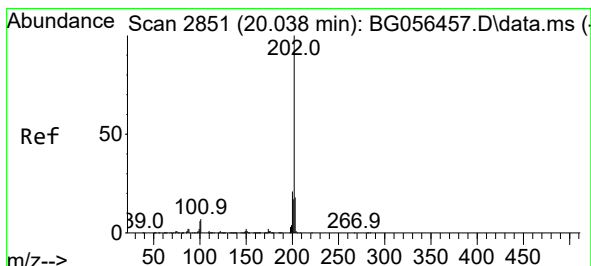
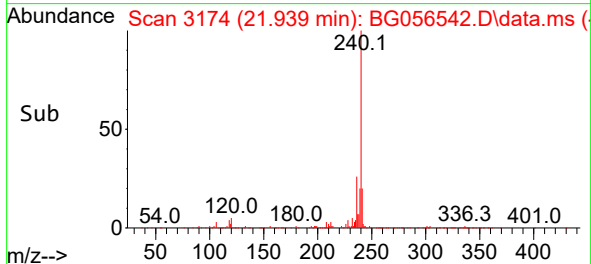
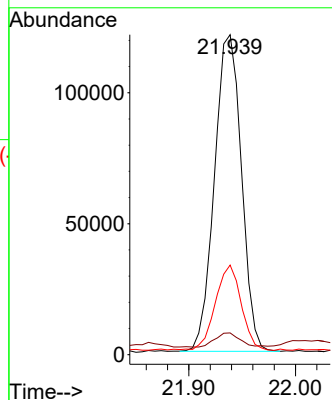
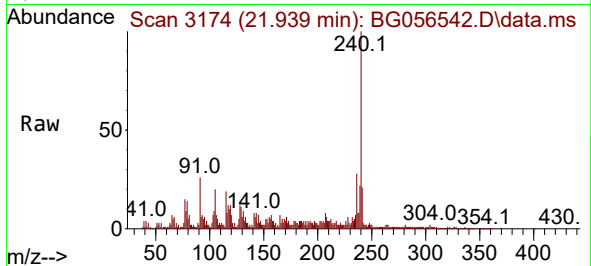




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3173
Delta R.T. 0.014 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

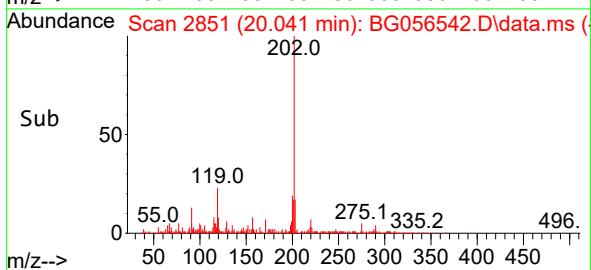
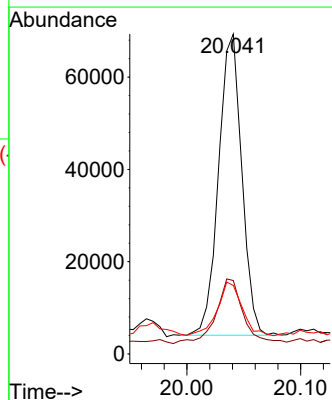
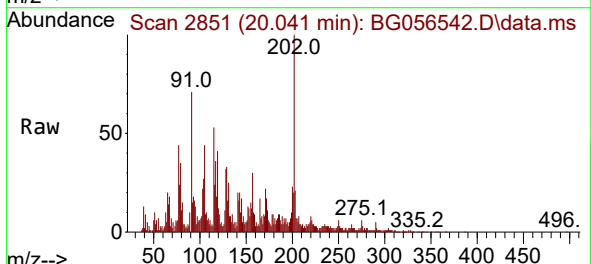
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

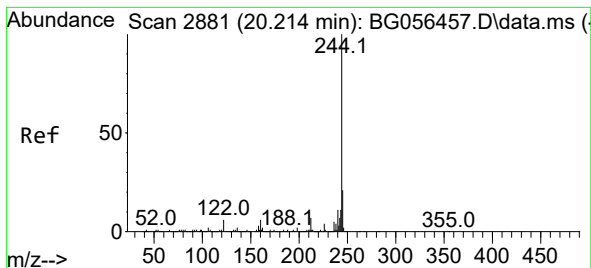
Tgt Ion:240 Resp: 212302
Ion Ratio Lower Upper
240 100
120 6.8 3.8 5.8#
236 28.0 20.2 30.2



#78
Pyrene
Concen: 6.136 ng
RT: 20.041 min Scan# 2851
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:202 Resp: 92655
Ion Ratio Lower Upper
202 100
200 23.0 16.7 25.1
203 21.4 14.4 21.6





#79

Terphenyl-d14

Concen: 71.974 ng

RT: 20.217 min Scan# 2

Delta R.T. 0.009 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

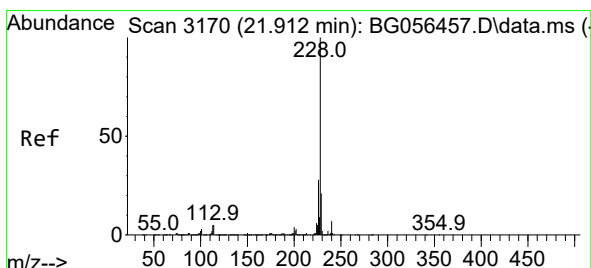
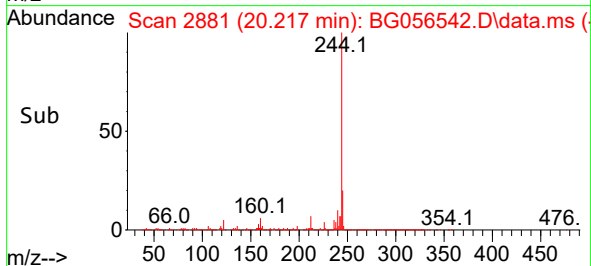
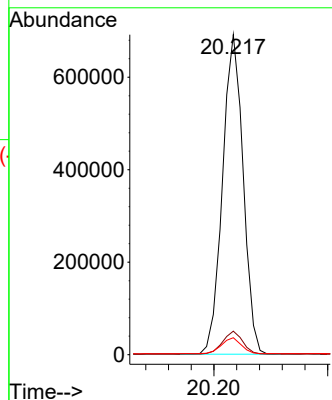
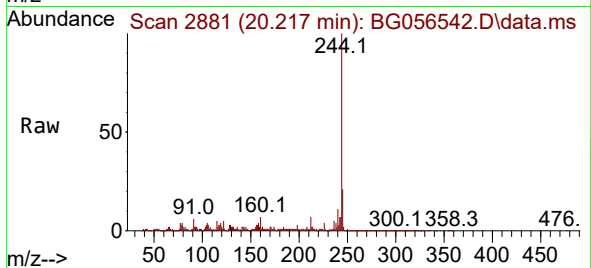
Tgt Ion:244 Resp: 869991

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 5.3 4.4 6.6



#81

Benzo(a)anthracene

Concen: 3.597 ng

RT: 21.915 min Scan# 3170

Delta R.T. 0.014 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

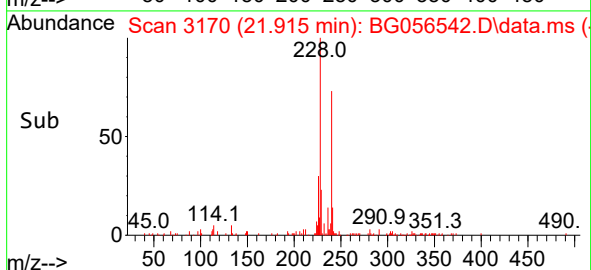
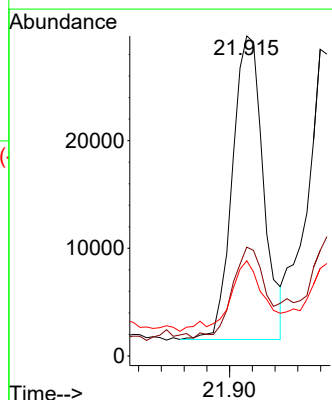
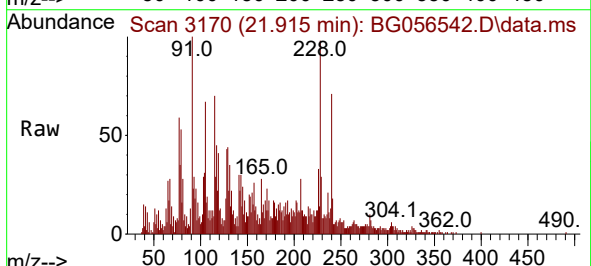
Tgt Ion:228 Resp: 53394

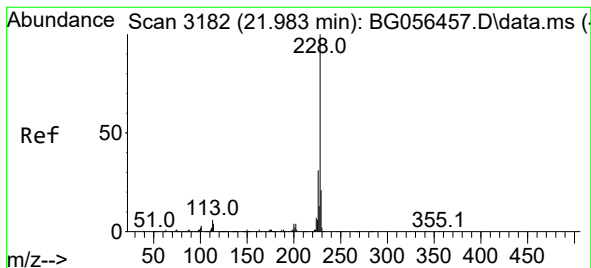
Ion Ratio Lower Upper

228 100

226 34.0 22.4 33.6#

229 29.8 16.5 24.7#





#83

Chrysene

Concen: 3.993 ng

RT: 21.980 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

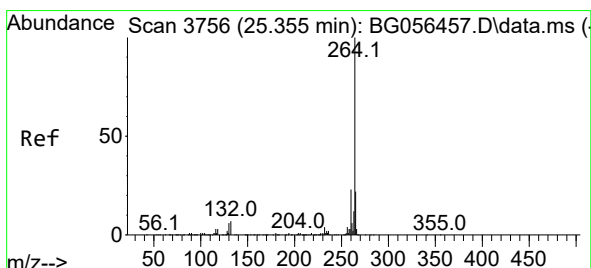
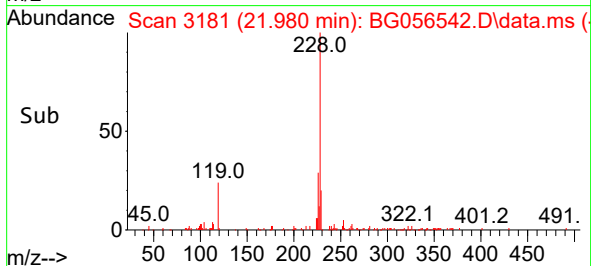
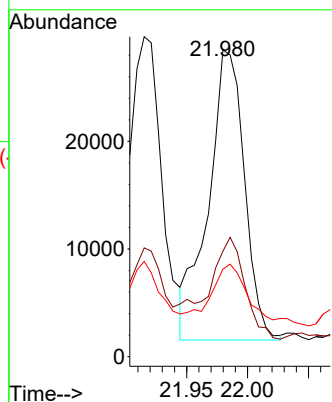
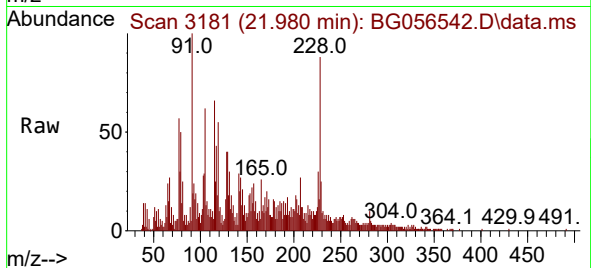
Tgt Ion:228 Resp: 55685

Ion Ratio Lower Upper

228 100

226 34.4 25.0 37.4

229 28.6 16.4 24.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.376 min Scan# 3759

Delta R.T. 0.032 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

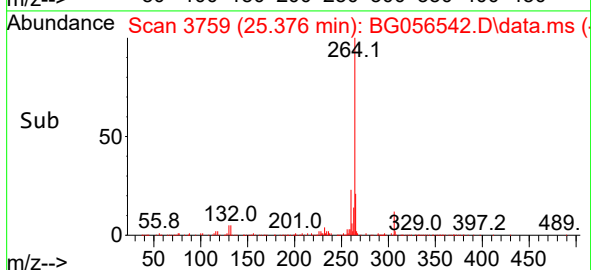
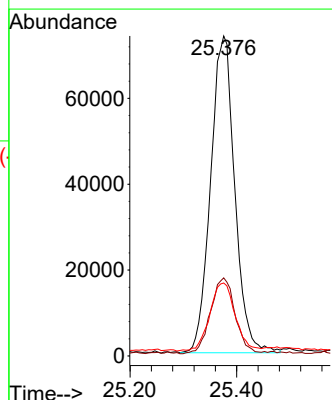
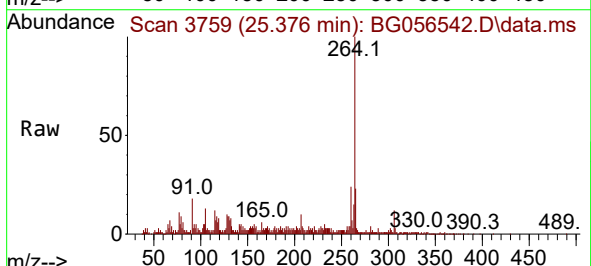
Tgt Ion:264 Resp: 232160

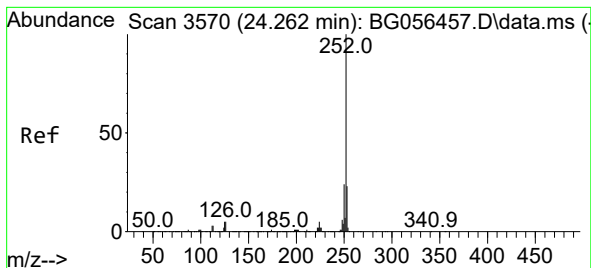
Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.4

265 22.8 18.1 27.1





#88

Benzo(b)fluoranthene

Concen: 2.695 ng

RT: 24.277 min Scan# 3570

Delta R.T. 0.026 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

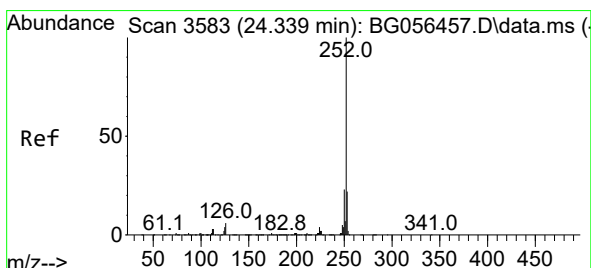
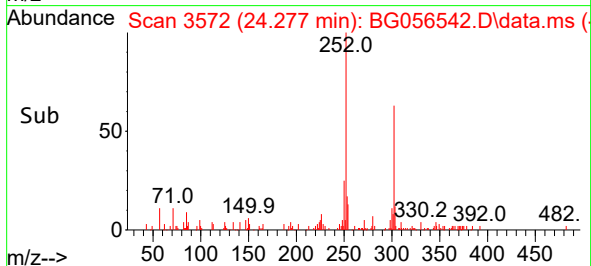
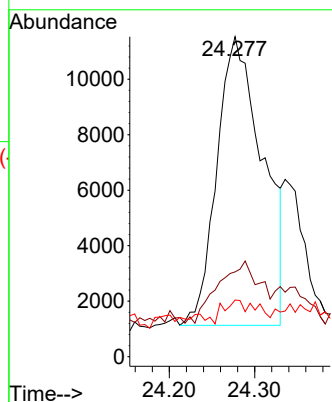
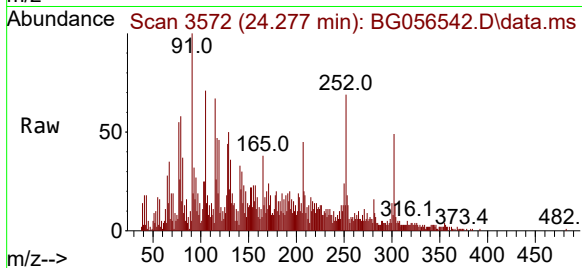
Tgt Ion:252 Resp: 38830

Ion Ratio Lower Upper

252 100

253 26.5 18.1 27.1

125 17.7 3.9 5.9#



#89

Benzo(k)fluoranthene

Concen: 2.669 ng

RT: 24.277 min Scan# 3572

Delta R.T. -0.044 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Tgt Ion:252 Resp: 38830

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

125 17.7 3.4 5.0#

