

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053686.D
 Acq On : 24 May 2022 17:26
 Operator : CG/JU
 Sample : N3002-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

Quant Time: May 25 02:37:16 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

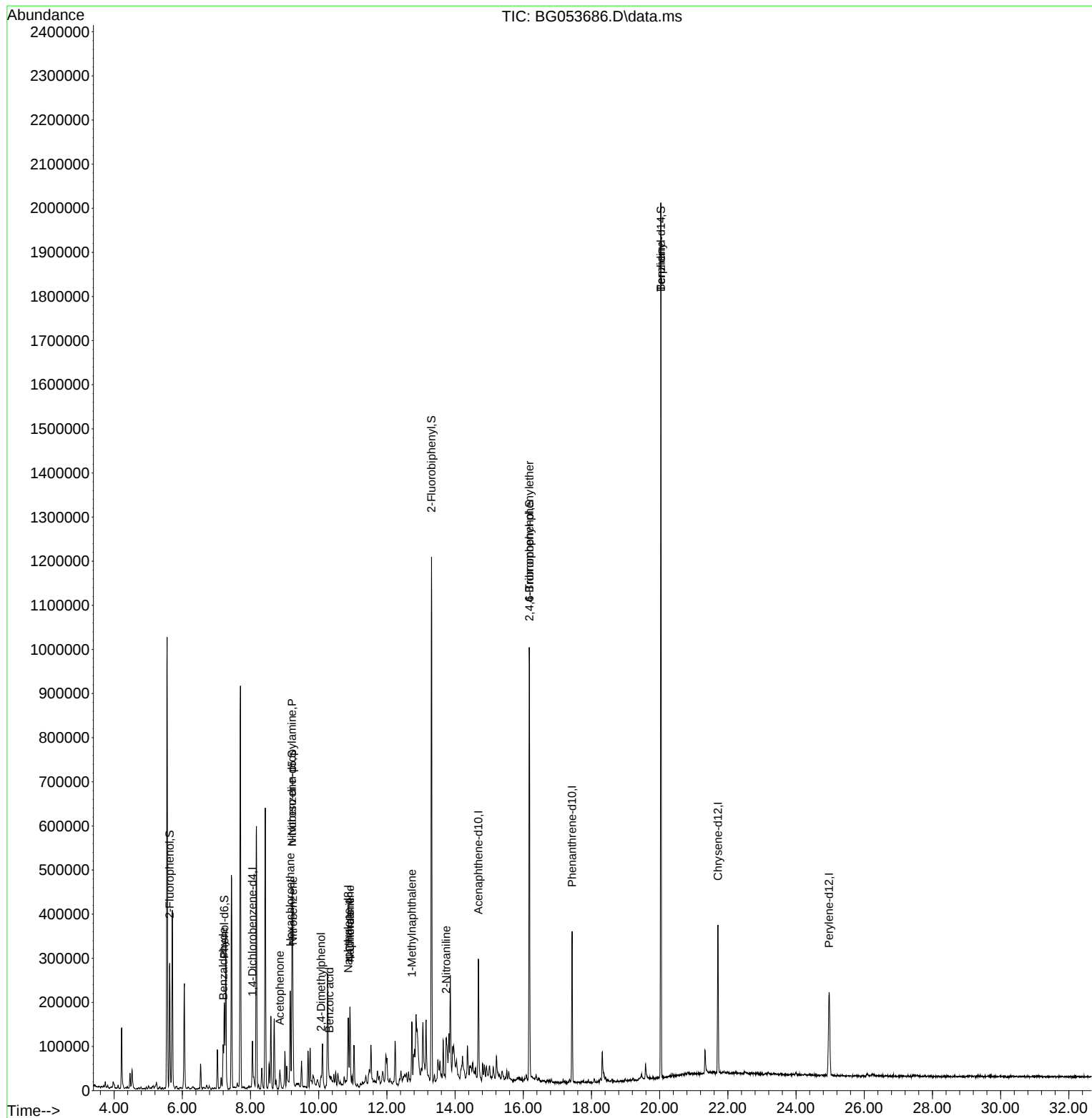
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	28372	20.000	ng	0.00
21) Naphthalene-d8	10.866	136	124156	20.000	ng	# 0.00
39) Acenaphthene-d10	14.684	164	93224	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	208322	20.000	ng	0.00
76) Chrysene-d12	21.710	240	211166	20.000	ng	0.00
86) Perylene-d12	24.971	264	212613	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.632	112	124063	74.211	ng	0.00
7) Phenol-d6	7.230	99	118430	46.678	ng	0.00
23) Nitrobenzene-d5	9.221	82	281476	96.508	ng	0.00
42) 2,4,6-Tribromophenol	16.182	330	195232	141.992	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	621477	97.416	ng	0.00
79) Terphenyl-d14	20.036	244	974033	85.909	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.200	77	8296	5.147	ng	# 1
18) Hexachloroethane	9.168	117	23944	30.306	ng	# 1
19) n-Nitroso-di-n-propyla...	9.221	70	39608	21.758	ng	# 77
22) Acetophenone	8.863	105	29088	8.560	ng	# 60
24) Nitrobenzene	9.245	77	6324	2.240	ng	# 4
27) 2,4-Dimethylphenol	10.073	122	6505	3.781	ng	# 83
31) Naphthalene	10.919	128	120776	19.124	ng	99
32) Benzoic acid	10.314	122	4624	12.025	ng	# 34
33) 4-Chloroaniline	10.919	127	17296	6.539	ng	# 35
38) 1-Methylnaphthalene	12.734	142	33633	7.314	ng	# 95
48) 2-Nitroaniline	13.739	65	4779	2.576	ng	# 29
67) 4-Bromophenyl-phenylether	16.177	248	13311	5.471	ng	# 1
77) Benzidine	20.036	184	16221	3.564	ng	# 93

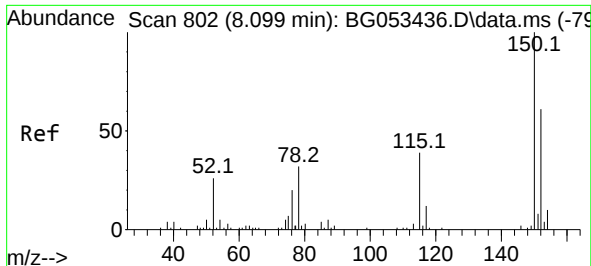
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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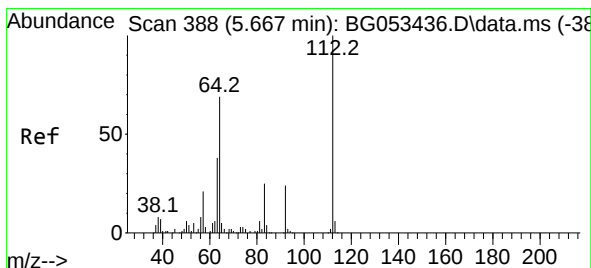
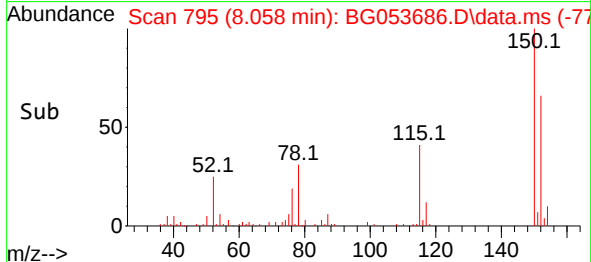
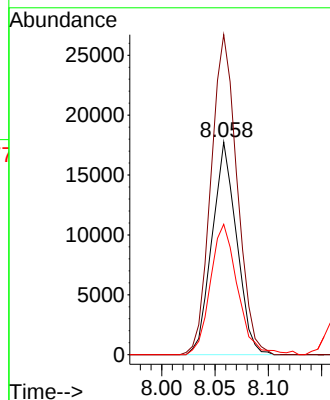
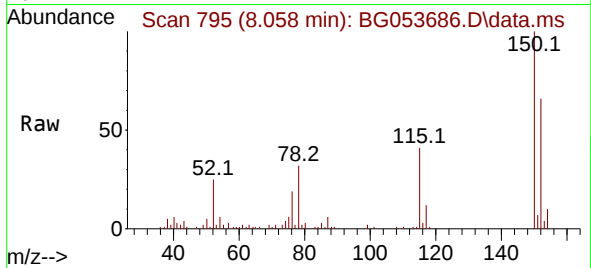




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

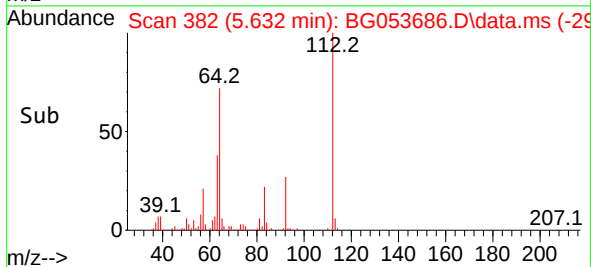
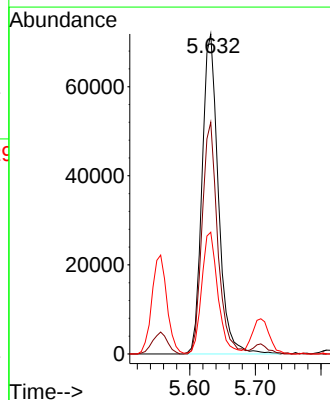
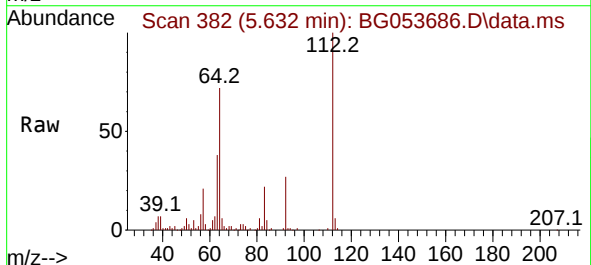
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BNA_G
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MW-12

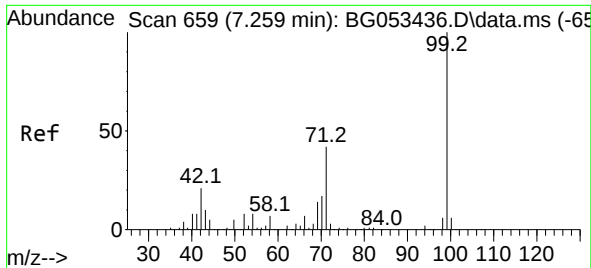
Tgt Ion:152 Resp: 28372
Ion Ratio Lower Upper
152 100
150 150.5 131.6 197.4
115 61.4 50.9 76.3



#5
2-Fluorophenol
Concen: 74.211 ng
RT: 5.632 min Scan# 382
Delta R.T. 0.006 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion:112 Resp: 124063
Ion Ratio Lower Upper
112 100
64 72.4 55.1 82.7
63 38.1 30.4 45.6

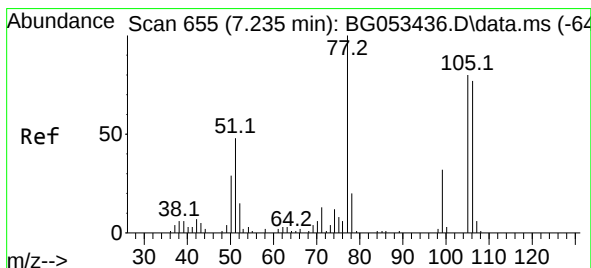
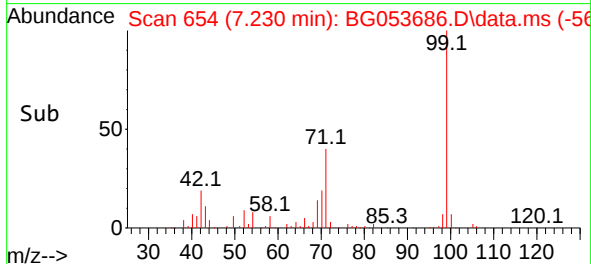
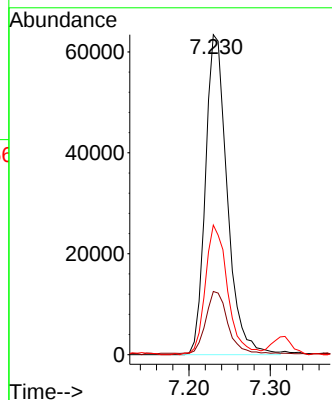
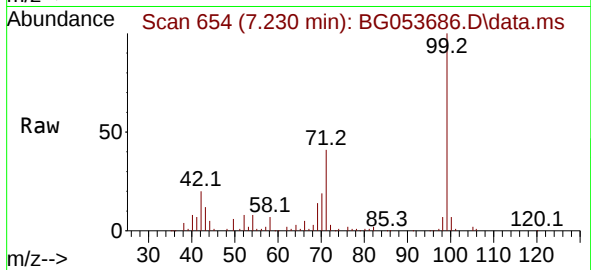




#7
Phenol-d6
Concen: 46.678 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

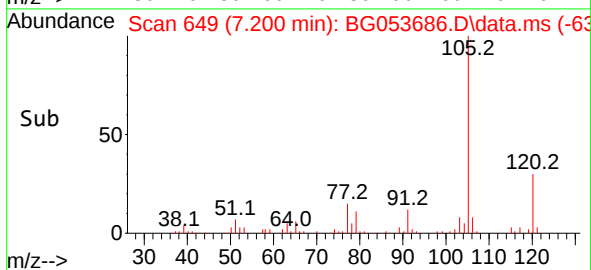
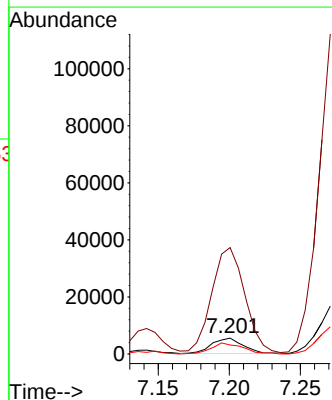
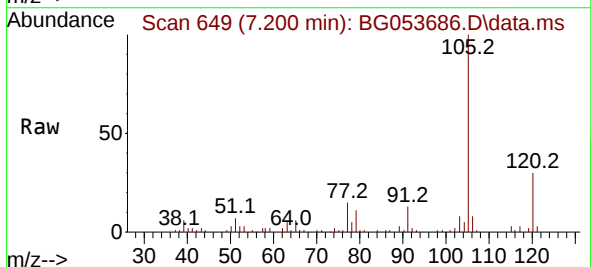
Instrument :
BNA_G
ClientSampleId :
MW-12

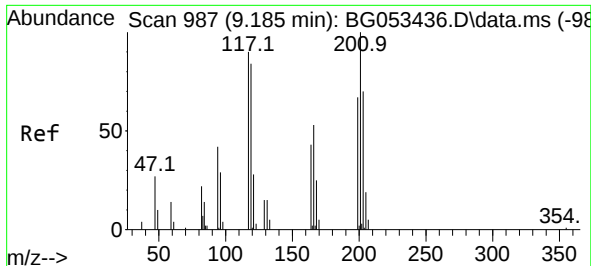
Tgt Ion: 99 Resp: 118430
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.6
71 40.5 33.8 50.8



#9
Benzaldehyde
Concen: 5.147 ng
RT: 7.200 min Scan# 649
Delta R.T. 0.006 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion: 77 Resp: 8296
Ion Ratio Lower Upper
77 100
105 669.1 59.6 99.6#
106 56.8 56.8 96.8

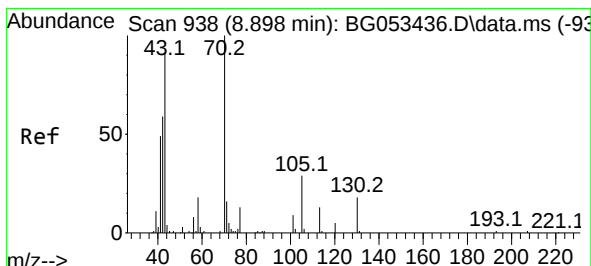
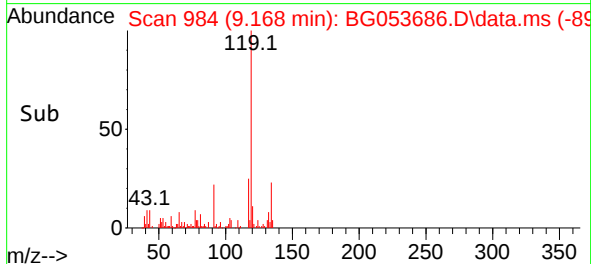
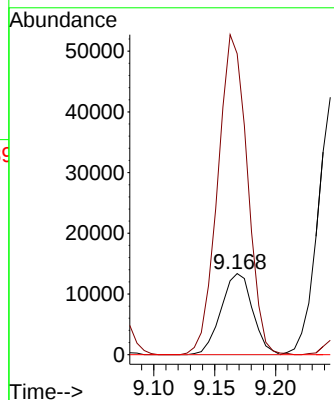
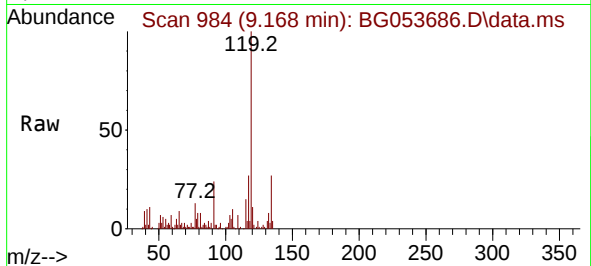




#18
Hexachloroethane
Concen: 30.306 ng
RT: 9.168 min Scan# 918
Delta R.T. 0.024 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

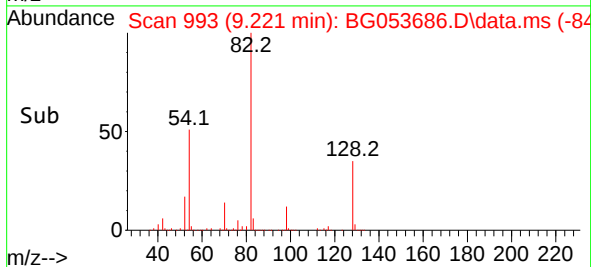
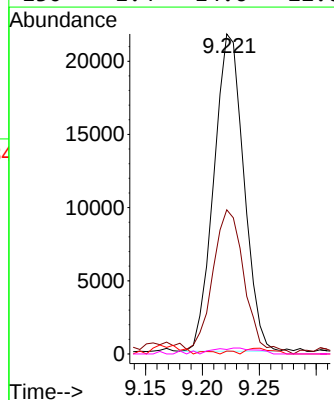
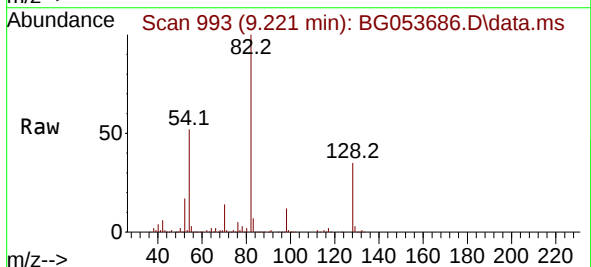
Instrument :
BNA_G
ClientSampleId :
MW-12

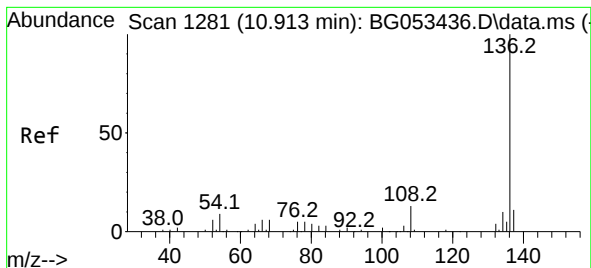
Tgt Ion:117 Resp: 23944
Ion Ratio Lower Upper
117 100
119 371.0 75.0 112.6#
201 0.0 89.0 133.6#



#19
n-Nitroso-di-n-propylamine
Concen: 21.758 ng
RT: 9.221 min Scan# 993
Delta R.T. 0.359 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion: 70 Resp: 39608
Ion Ratio Lower Upper
70 100
42 45.1 47.3 70.9#
101 0.9 7.0 10.4#
130 1.4 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.866 min Scan# 1273

Delta R.T. -0.005 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

Instrument :

BNA_G

ClientSampleId :

MW-12

Tgt Ion:136 Resp: 124156

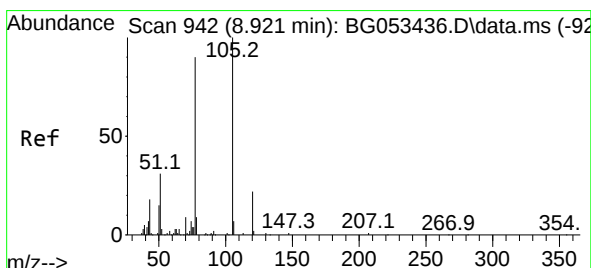
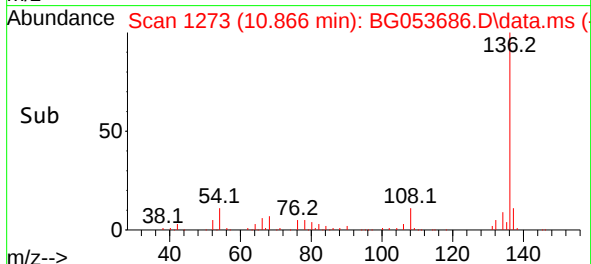
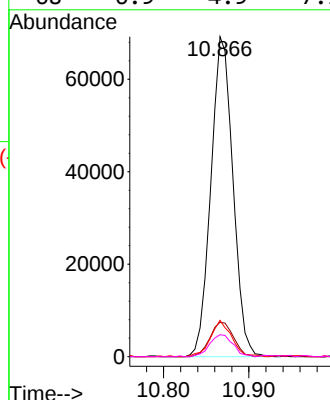
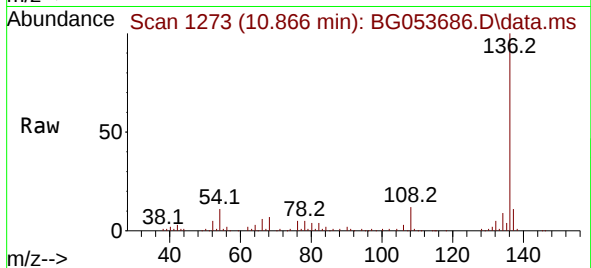
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.4 7.4 11.2#

68 6.9 4.9 7.3



#22

Acetophenone

Concen: 8.560 ng

RT: 8.863 min Scan# 932

Delta R.T. -0.017 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

Tgt Ion:105 Resp: 29088

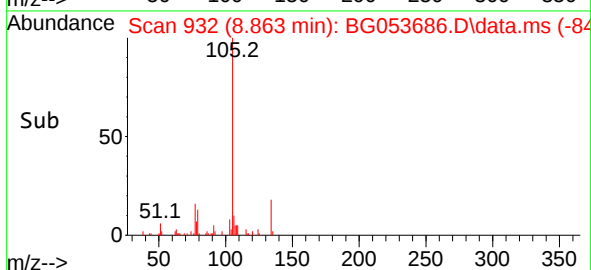
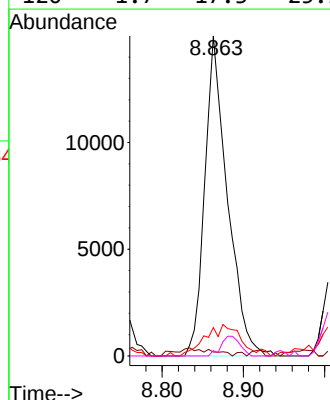
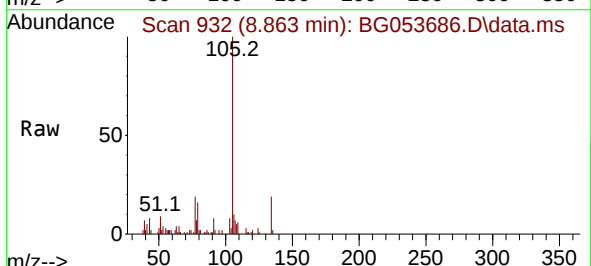
Ion Ratio Lower Upper

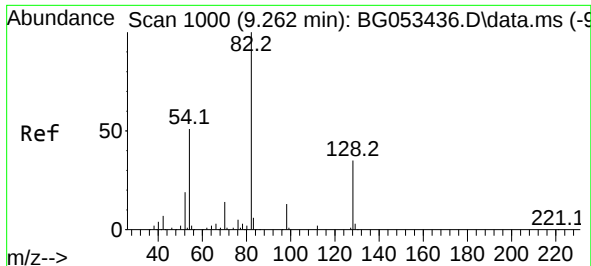
105 100

71 1.2 1.1 1.7

51 8.9 25.4 38.0#

120 1.7 17.3 25.9#





#23

Nitrobenzene-d5

Concen: 96.508 ng

RT: 9.221 min Scan# 993

Delta R.T. -0.005 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

Instrument :

BNA_G

ClientSampleId :

MW-12

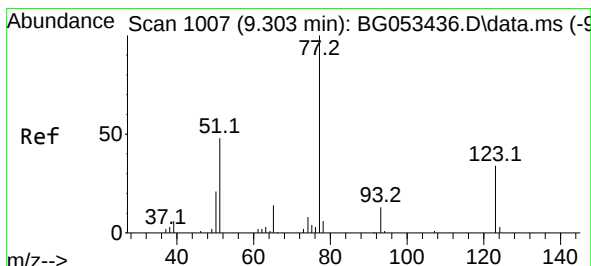
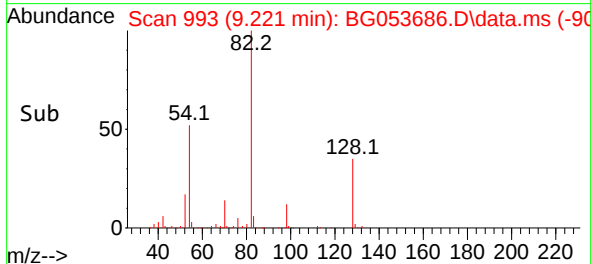
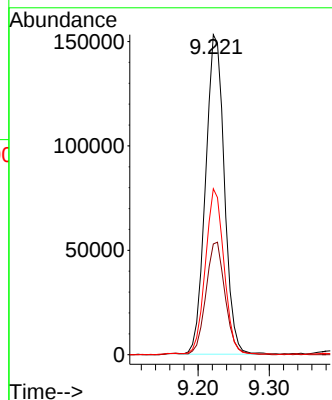
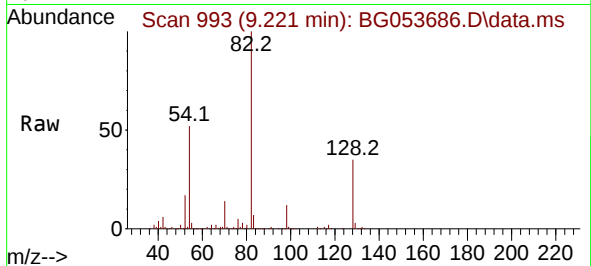
Tgt Ion: 82 Resp: 281476

Ion Ratio Lower Upper

82 100

128 34.6 27.9 41.9

54 51.9 41.2 61.8



#24

Nitrobenzene

Concen: 2.240 ng

RT: 9.245 min Scan# 997

Delta R.T. -0.023 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

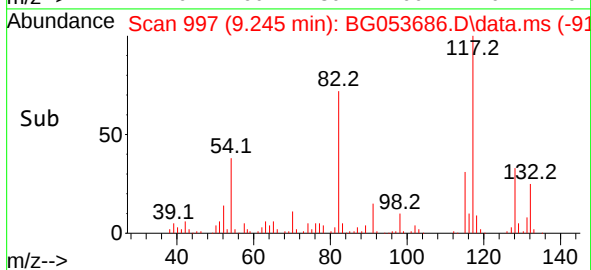
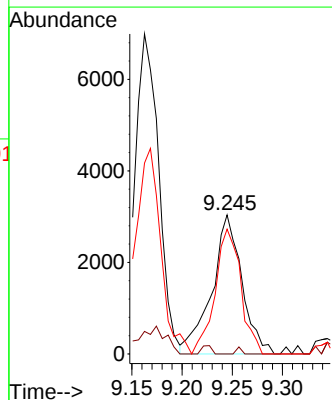
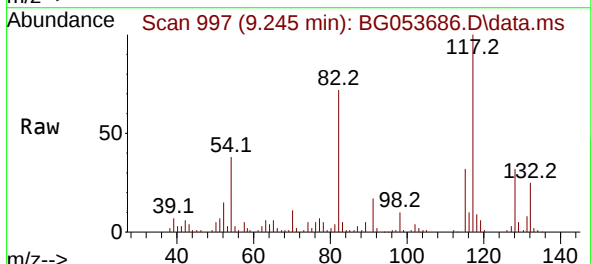
Tgt Ion: 77 Resp: 6324

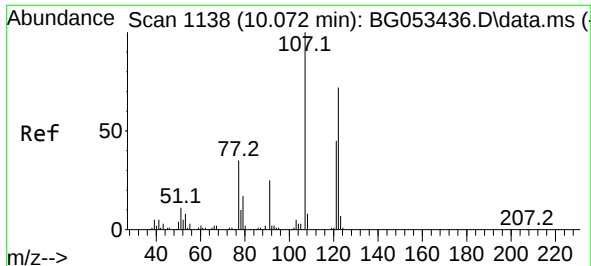
Ion Ratio Lower Upper

77 100

123 0.0 27.4 41.0#

65 89.7 11.4 17.0#





#27

2,4-Dimethylphenol

Concen: 3.781 ng

RT: 10.073 min Scan# 1138

Delta R.T. 0.030 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

Instrument :

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ClientSampleId :

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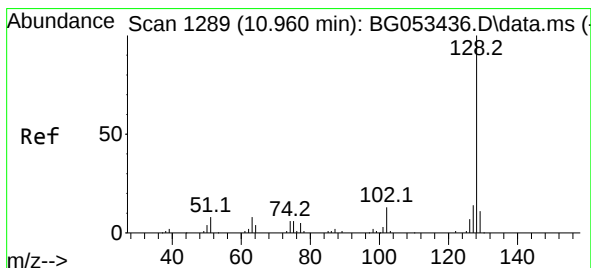
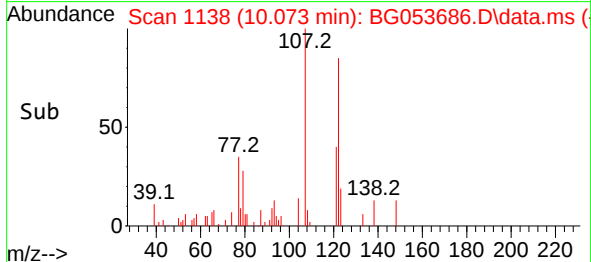
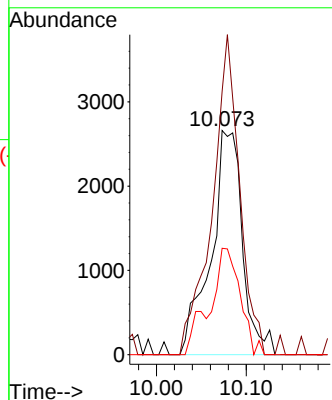
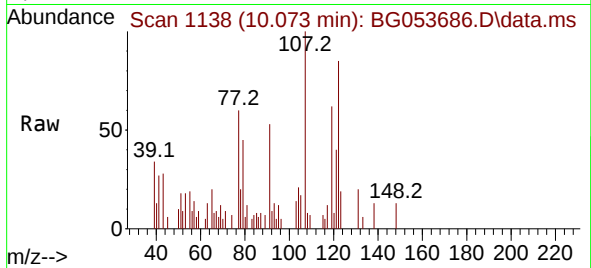
Tgt Ion:122 Resp: 6505

Ion Ratio Lower Upper

122 100

107 117.4 109.4 164.0

121 47.5 48.7 73.1#



#31

Naphthalene

Concen: 19.124 ng

RT: 10.919 min Scan# 1282

Delta R.T. -0.005 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

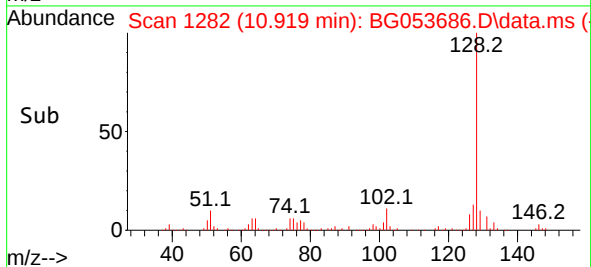
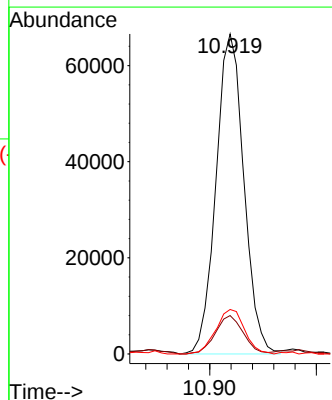
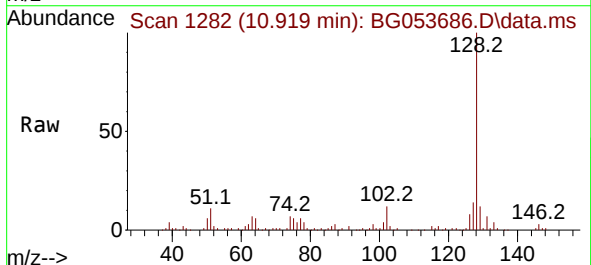
Tgt Ion:128 Resp: 120776

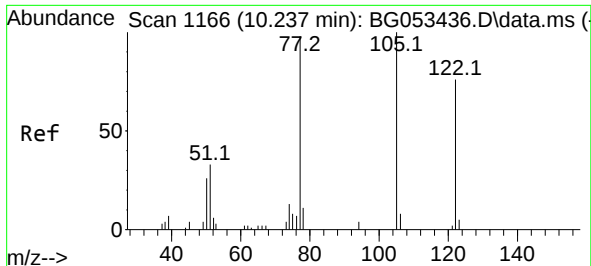
Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

127 13.9 11.1 16.7

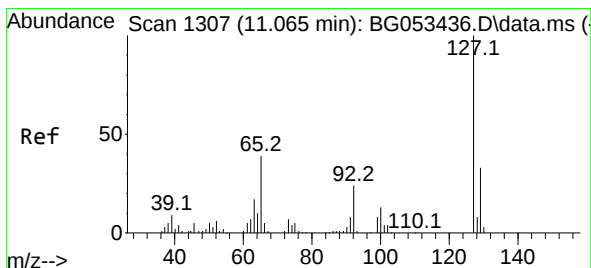
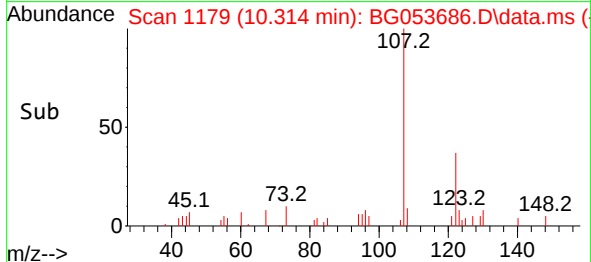
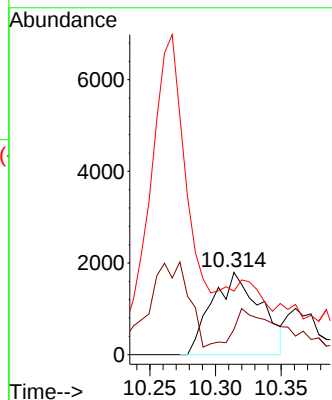
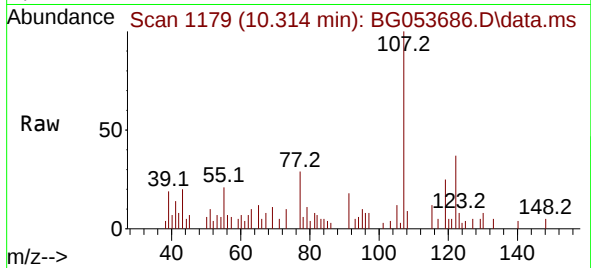




#32
Benzoic acid
Concen: 12.025 ng
RT: 10.314 min Scan# 1166
Delta R.T. 0.089 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

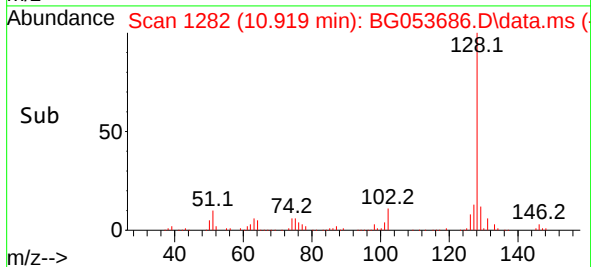
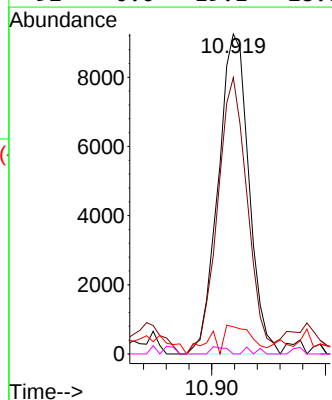
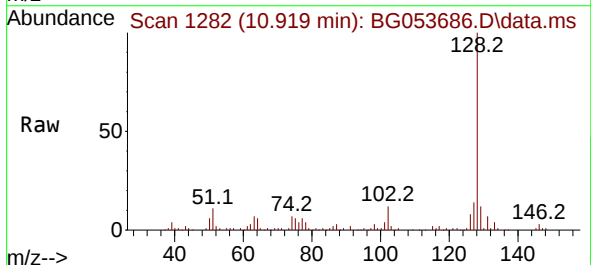
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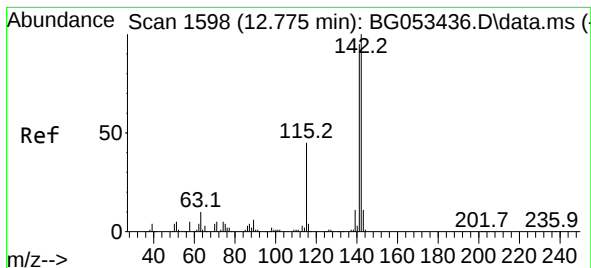
Tgt Ion:122 Resp: 4624
Ion Ratio Lower Upper
122 100
105 30.7 111.8 151.8#
77 77.3 109.4 149.4#



#33
4-Chloroaniline
Concen: 6.539 ng
RT: 10.919 min Scan# 1282
Delta R.T. -0.111 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion:127 Resp: 17296
Ion Ratio Lower Upper
127 100
129 86.3 26.3 39.5#
65 8.5 31.1 46.7#
92 0.0 19.1 28.7#





#38

1-Methylnaphthalene

Concen: 7.314 ng

RT: 12.734 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

Instrument :

BNA_G

ClientSampleId :

MW-12

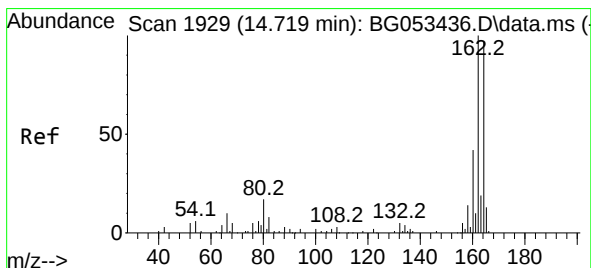
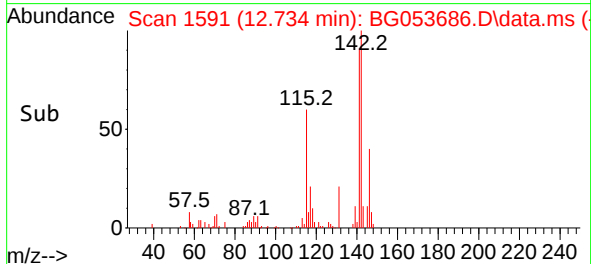
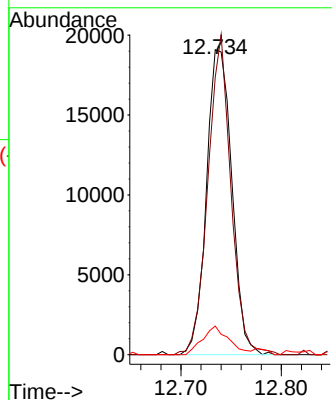
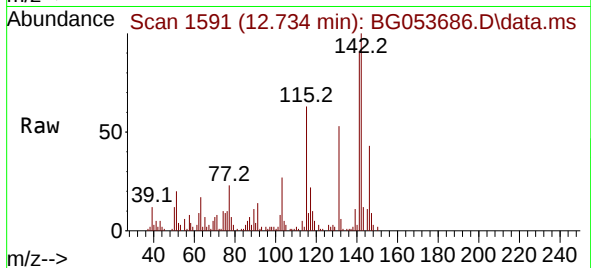
Tgt Ion:142 Resp: 33633

Ion Ratio Lower Upper

142 100

141 91.0 76.4 114.6

116 9.4 3.3 4.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.684 min Scan# 1923

Delta R.T. -0.005 min

Lab File: BG053686.D

Acq: 24 May 2022 17:26

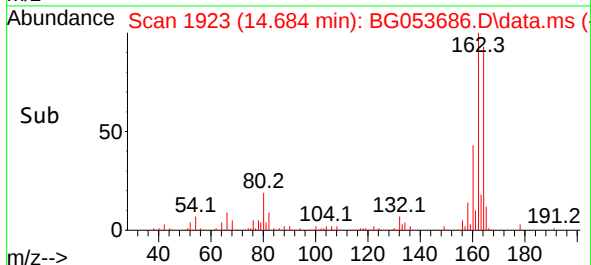
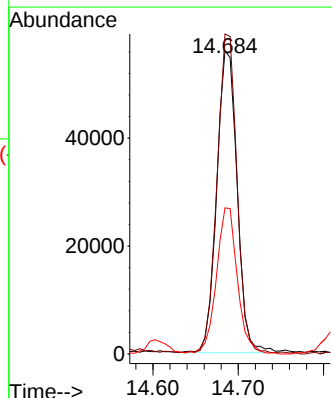
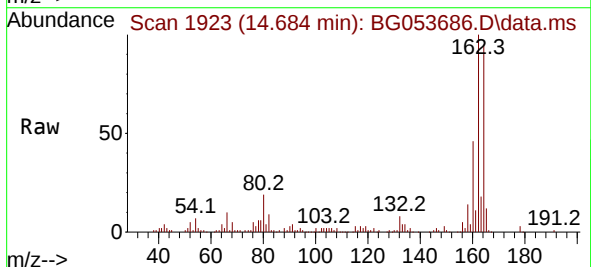
Tgt Ion:164 Resp: 93224

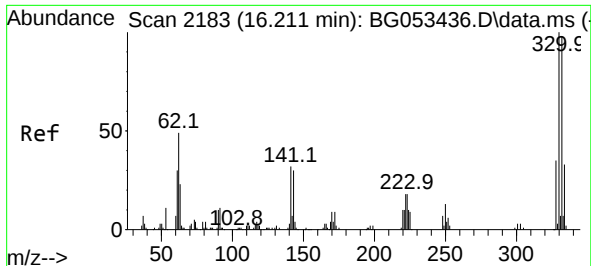
Ion Ratio Lower Upper

164 100

162 105.6 82.3 123.5

160 48.2 34.2 51.2

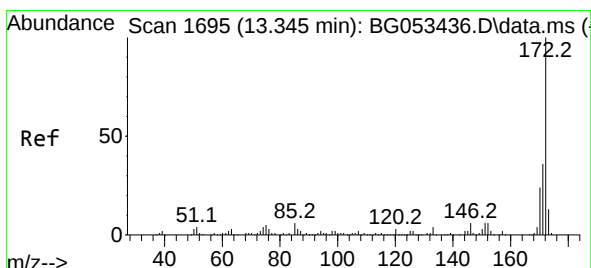
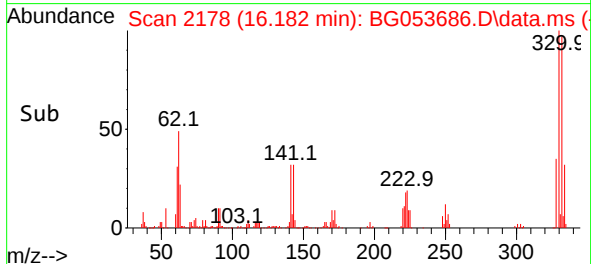
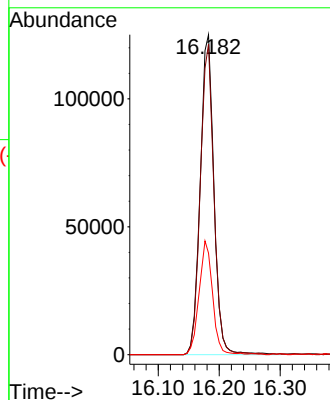
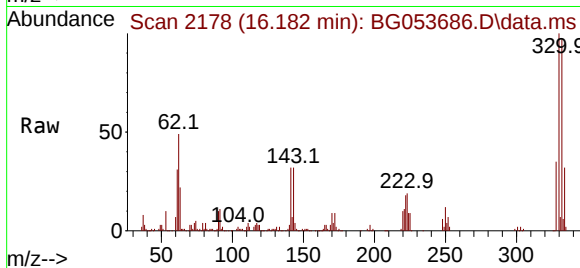




#42
 2,4,6-Tribromophenol
 Concen: 141.992 ng
 RT: 16.182 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG053686.D
 Acq: 24 May 2022 17:26

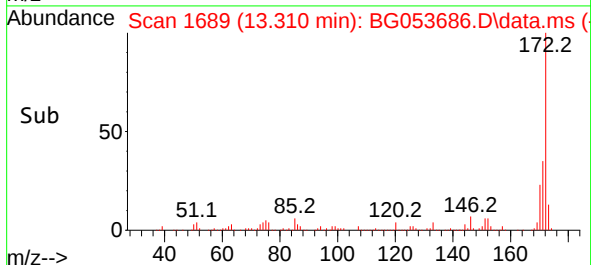
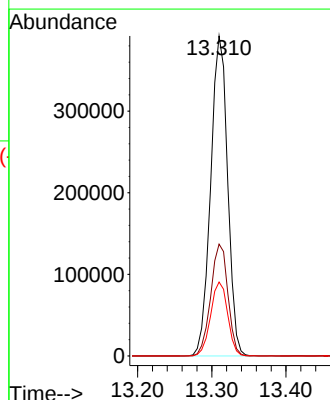
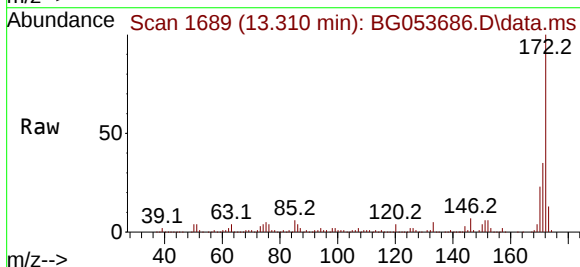
Instrument :
 BNA_G
 ClientSampleId :
 MW-12

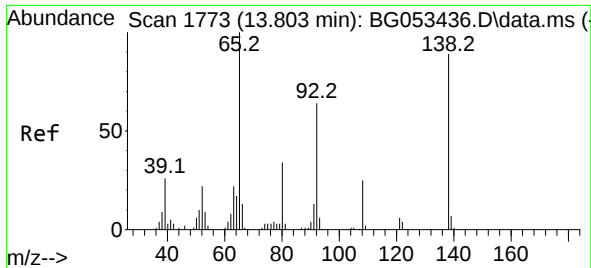
Tgt Ion:330 Resp: 195232
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.0 114.0
 141 35.0 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 97.416 ng
 RT: 13.310 min Scan# 1689
 Delta R.T. -0.005 min
 Lab File: BG053686.D
 Acq: 24 May 2022 17:26

Tgt Ion:172 Resp: 621477
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.1 18.9 28.3

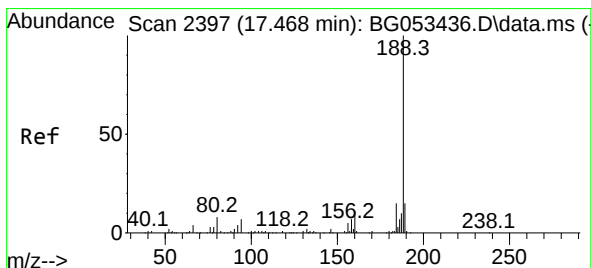
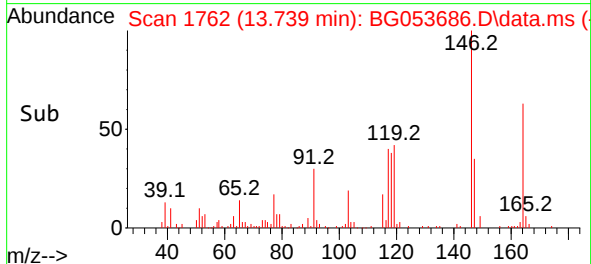
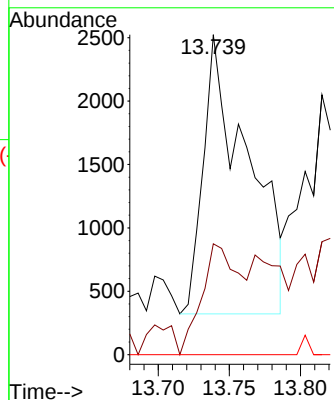
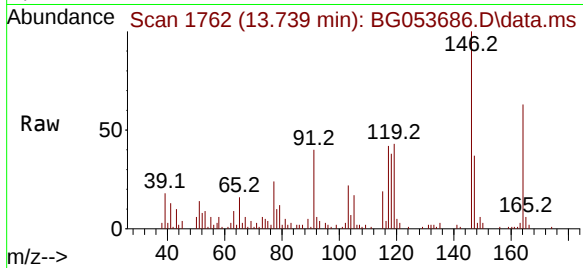




#48
2-Nitroaniline
Concen: 2.576 ng
RT: 13.739 min Scan# 1762
Delta R.T. -0.035 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

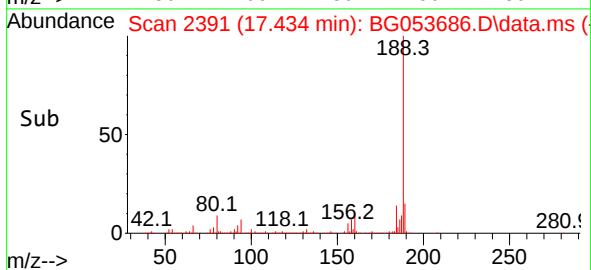
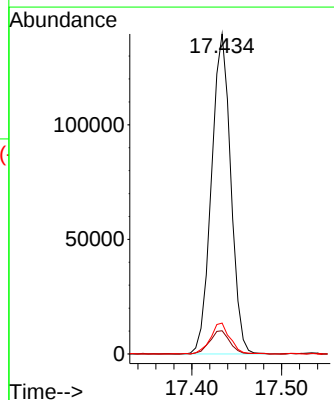
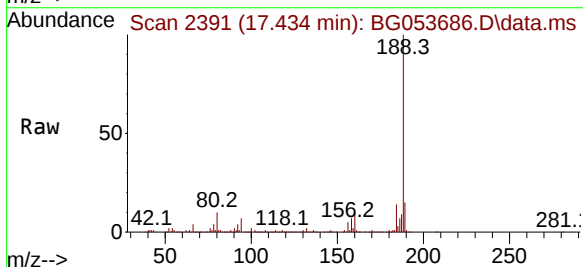
Instrument :
BNA_G
ClientSampleId :
MW-12

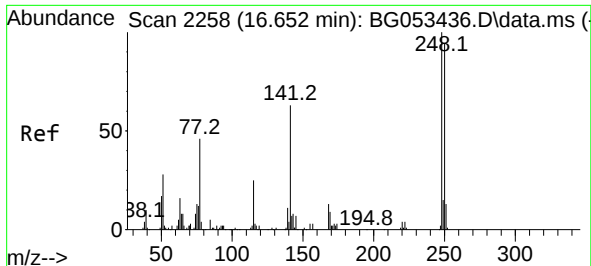
Tgt Ion: 65 Resp: 4779
Ion Ratio Lower Upper
65 100
92 34.7 51.5 77.3#
138 0.0 71.3 106.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.434 min Scan# 2391
Delta R.T. -0.005 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion:188 Resp: 208322
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.0
80 9.6 6.8 10.2

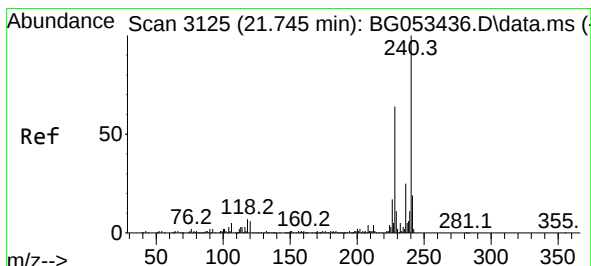
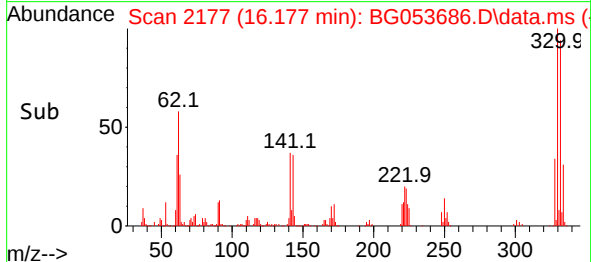
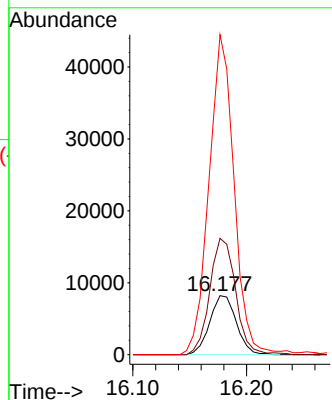
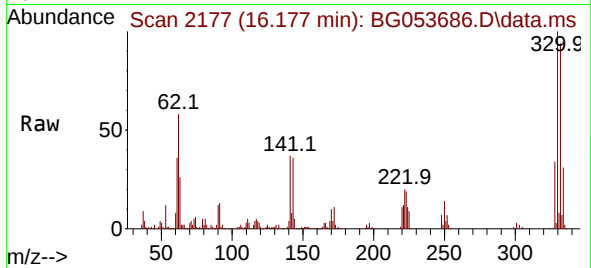




#67
4-Bromophenyl-phenylether
Concen: 5.471 ng
RT: 16.177 min Scan# 2177
Delta R.T. -0.440 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

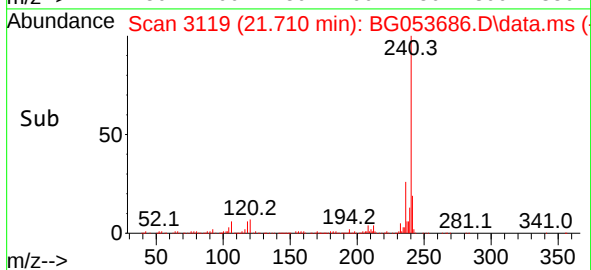
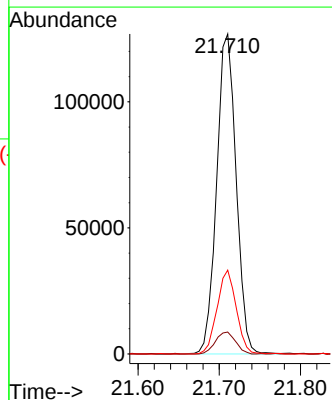
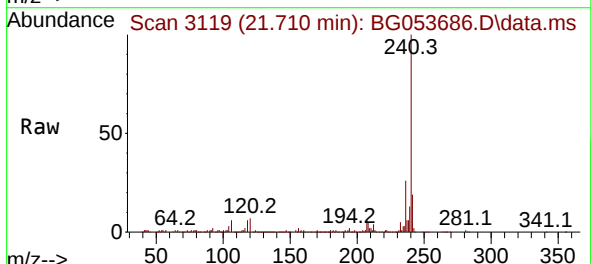
Instrument :
BNA_G
ClientSampleId :
MW-12

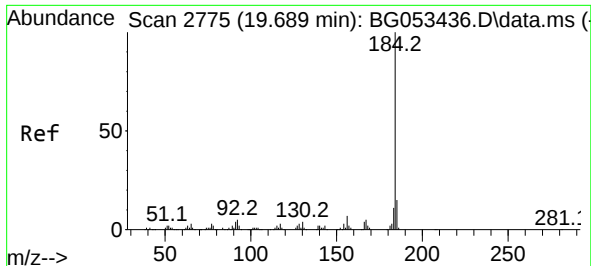
Tgt Ion:248 Resp: 13311
Ion Ratio Lower Upper
248 100
250 197.1 75.2 112.8#
141 542.0 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion:240 Resp: 211166
Ion Ratio Lower Upper
240 100
120 6.8 4.6 7.0
236 26.2 20.2 30.4

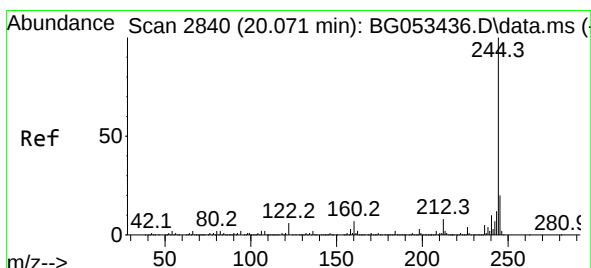
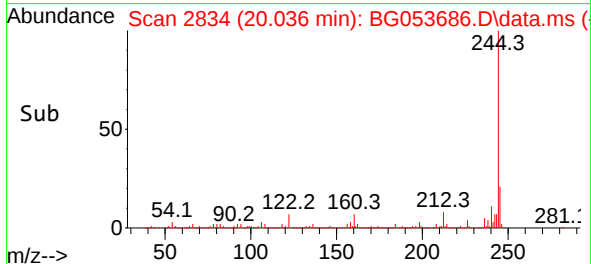
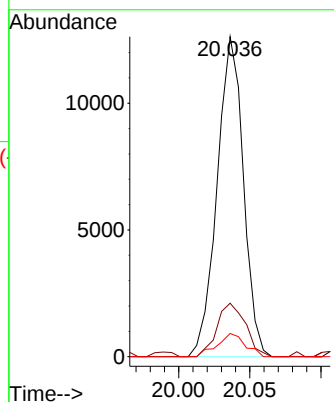
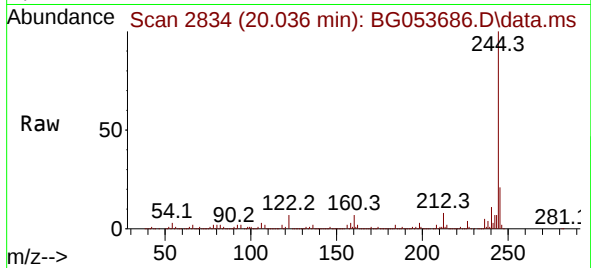




#77
Benzidine
Concen: 3.564 ng
RT: 20.036 min Scan# 2834
Delta R.T. 0.376 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

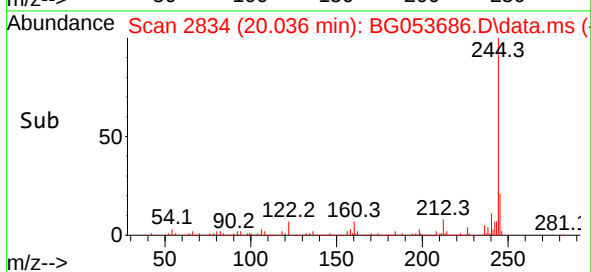
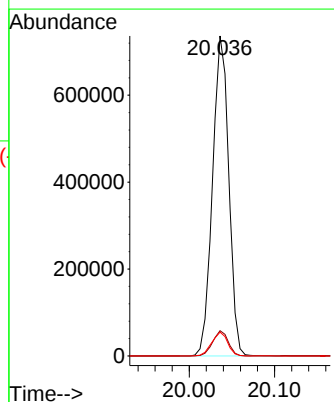
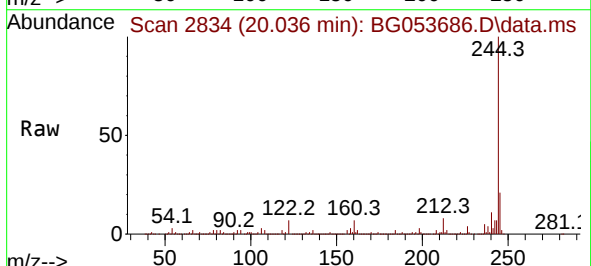
Instrument :
BNA_G
ClientSampleId :
MW-12

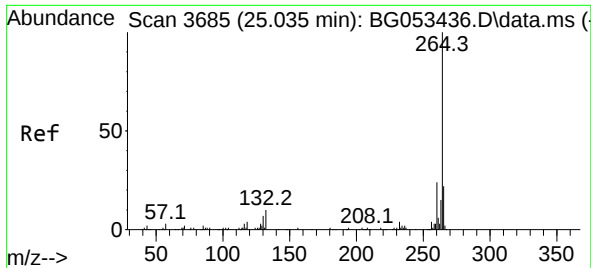
Tgt Ion:184 Resp: 16221
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.6
183 7.2 8.9 13.3#



#79
Terphenyl-d14
Concen: 85.909 ng
RT: 20.036 min Scan# 2834
Delta R.T. -0.005 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Tgt Ion:244 Resp: 974033
Ion Ratio Lower Upper
244 100
212 7.9 6.5 9.7
122 7.5 5.0 7.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.971 min Scan# 30
Delta R.T. -0.011 min
Lab File: BG053686.D
Acq: 24 May 2022 17:26

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:264 Resp: 212613

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	21.8	17.4	26.2

