

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053759.D
 Acq On : 28 May 2022 20:31
 Operator : CG/JU
 Sample : N3056-02DL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12DL

Quant Time: May 29 02:20:30 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)

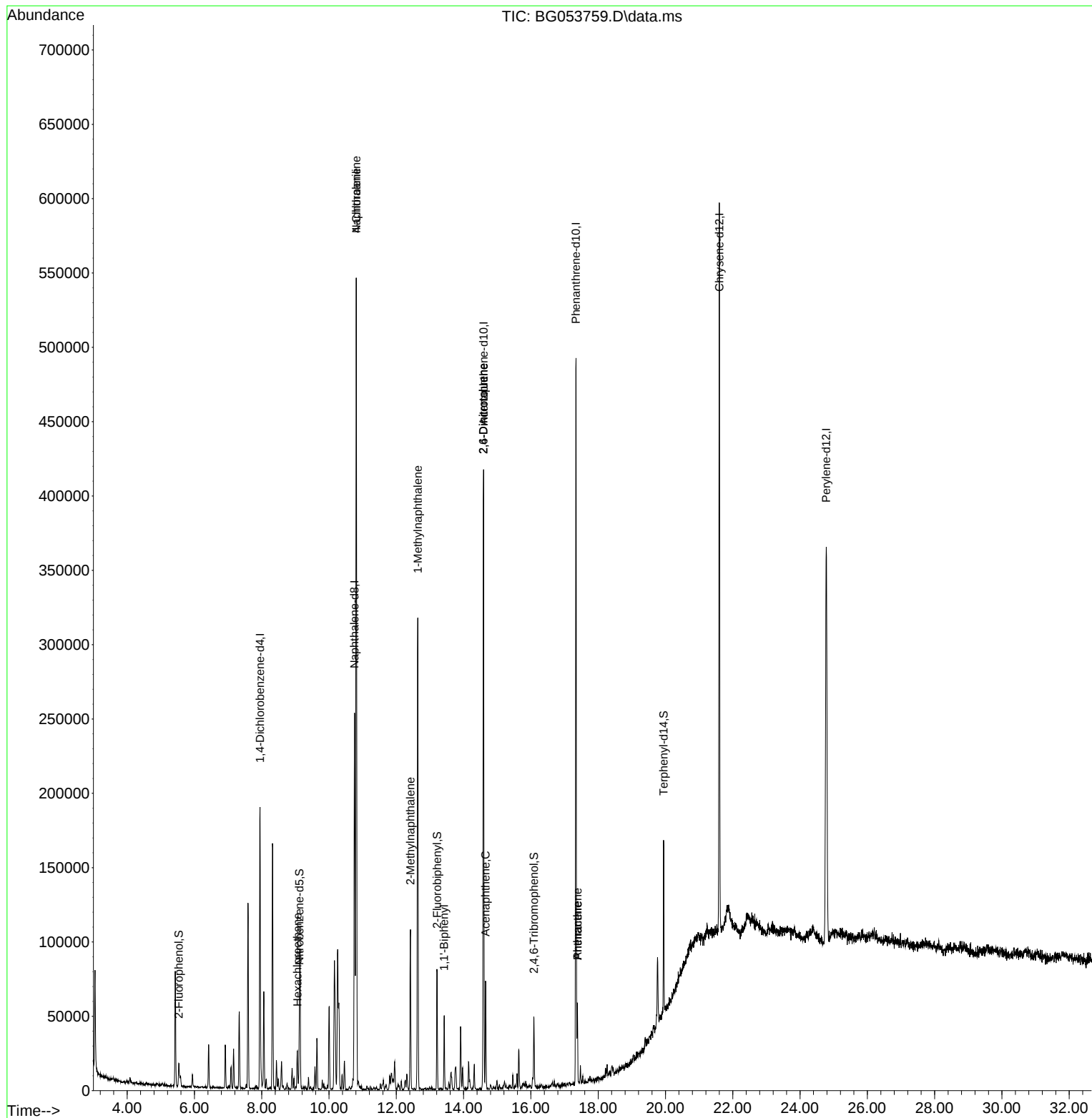
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	53434	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	209929	20.000	ng	# 0.00
39) Acenaphthene-d10	14.593	164	147843	20.000	ng	0.00
64) Phenanthrene-d10	17.337	188	315285	20.000	ng	# 0.00
76) Chrysene-d12	21.601	240	292685	20.000	ng	# 0.00
86) Perylene-d12	24.779	264	302177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	7849	2.493	ng	0.00
7) Phenol-d6	7.162	99	6724	1.407	ng	0.00
23) Nitrobenzene-d5	9.118	82	18674	3.787	ng	0.00
42) 2,4,6-Tribromophenol	16.091	330	11366	5.213	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	44389	4.387	ng	0.00
79) Terphenyl-d14	19.945	244	59151	3.764	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.060	117	3322	2.233	ng	# 1
31) Naphthalene	10.810	128	443535	41.535	ng	100
33) 4-Chloroaniline	10.810	127	60509	13.530	ng	# 33
37) 2-Methylnaphthalene	12.420	142	51150	6.418	ng	97
38) 1-Methylnaphthalene	12.637	142	148434	19.091	ng	98
46) 1,1'-Biphenyl	13.424	154	26164	2.596	ng	97
51) 2,6-Dinitrotoluene	14.587	165	19819	8.659	ng	# 18
52) Acenaphthene	14.652	154	26184	3.487	ng	96
57) 2,4-Dinitrotoluene	14.587	165	19819	5.974	ng	# 24
71) Phenanthrene	17.384	178	33821	2.110	ng	97
72) Anthracene	17.384	178	33821	2.146	ng	97

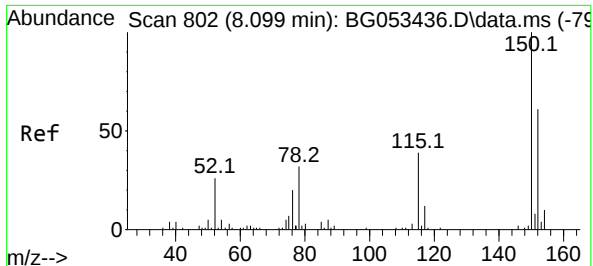
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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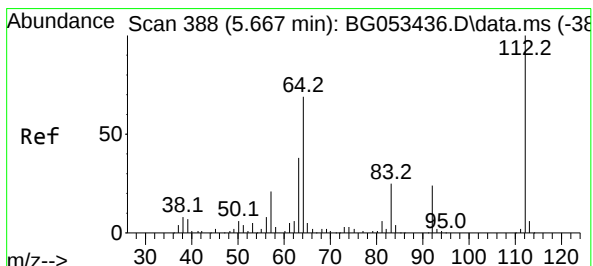
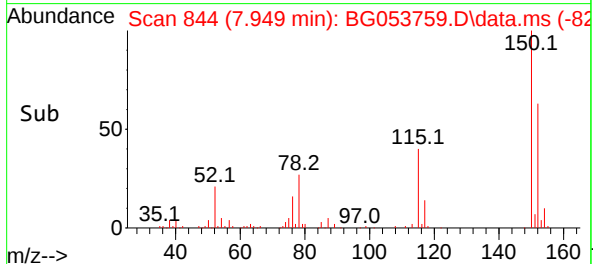
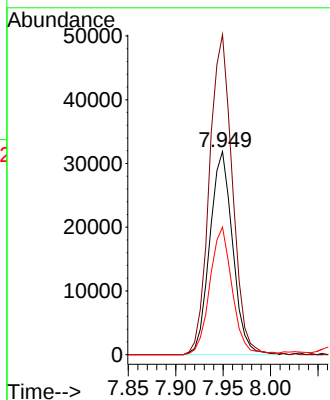
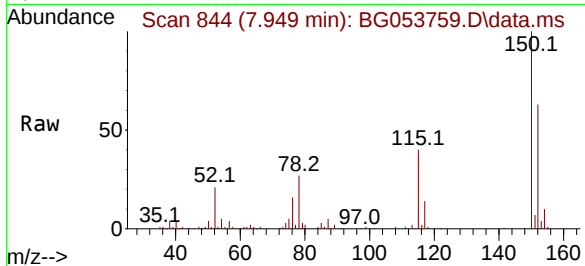




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

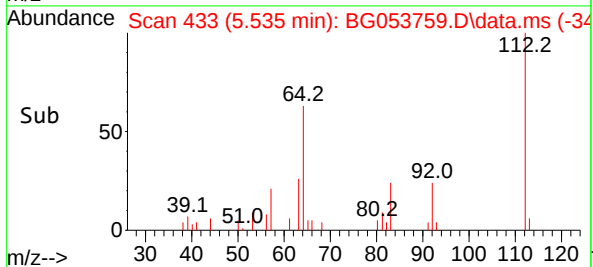
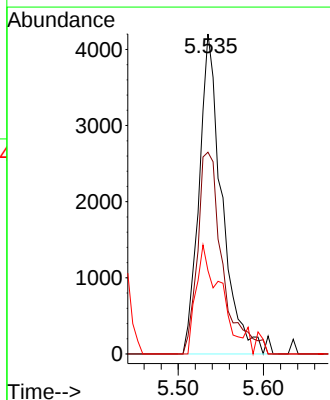
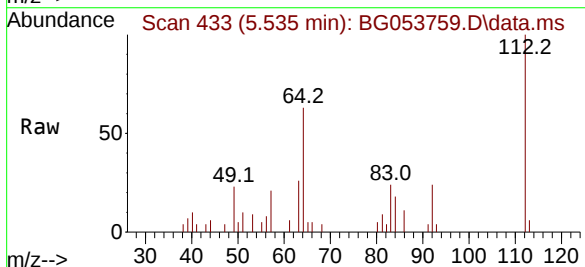
Instrument :
BNA_G
ClientSampleId :
MW-12DL

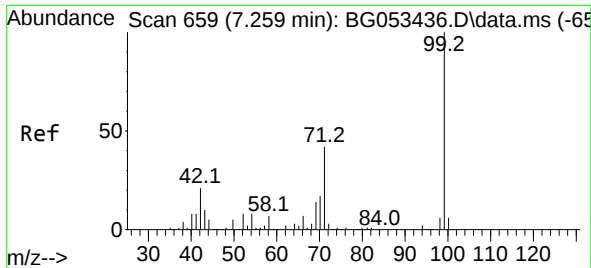
Tgt Ion:152 Resp: 53434
Ion Ratio Lower Upper
152 100
150 157.5 131.6 197.4
115 62.8 50.9 76.3



#5
2-Fluorophenol
Concen: 2.493 ng
RT: 5.535 min Scan# 433
Delta R.T. 0.010 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion:112 Resp: 7849
Ion Ratio Lower Upper
112 100
64 63.1 55.1 82.7
63 26.0 30.4 45.6#

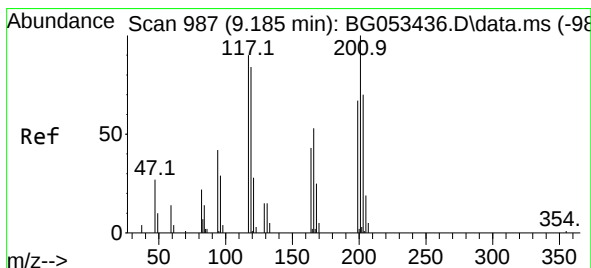
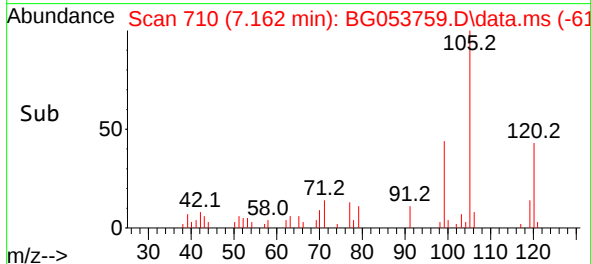
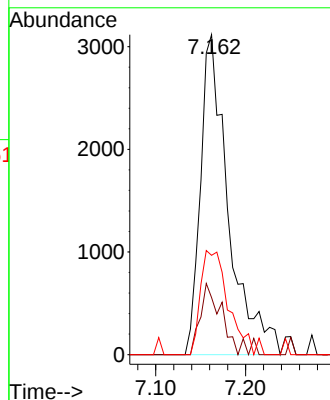
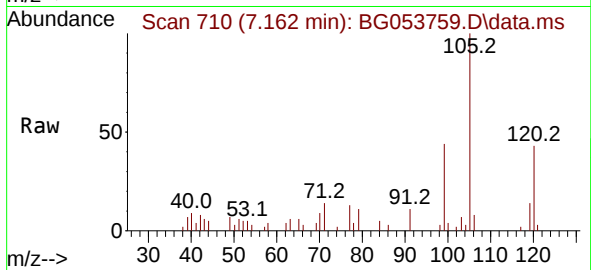




#7
Phenol-d6
Concen: 1.407 ng
RT: 7.162 min Scan# 71
Delta R.T. 0.010 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

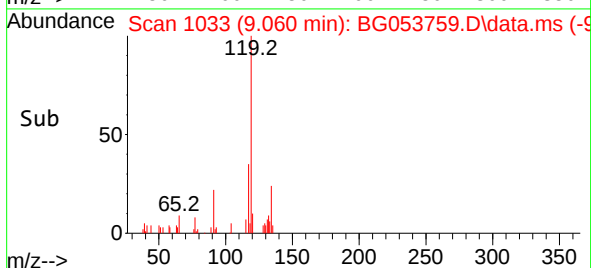
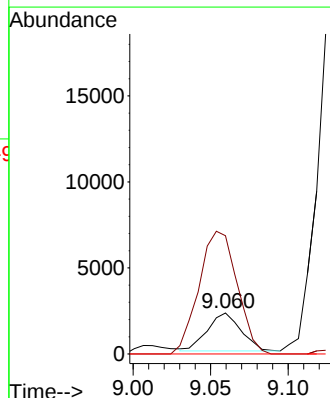
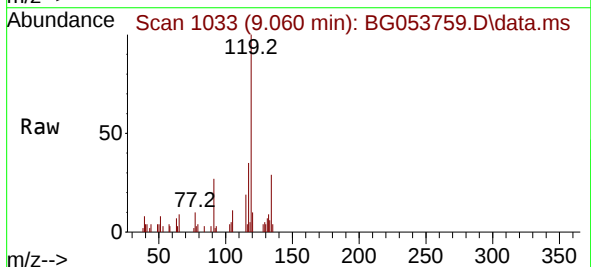
Instrument :
BNA_G
ClientSampleId :
MW-12DL

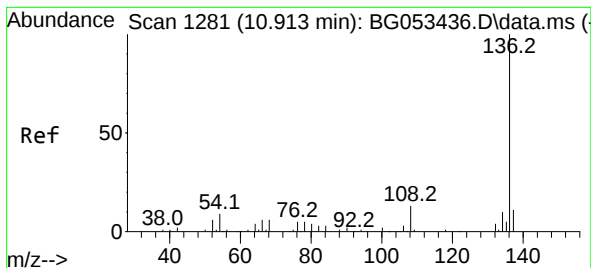
Tgt Ion: 99 Resp: 6724
Ion Ratio Lower Upper
99 100
42 17.8 17.0 25.6
71 31.1 33.8 50.8#



#18
Hexachloroethane
Concen: 2.233 ng
RT: 9.060 min Scan# 1033
Delta R.T. 0.033 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion: 117 Resp: 3322
Ion Ratio Lower Upper
117 100
119 288.1 75.0 112.6#
201 0.0 89.0 133.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.757 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG053759.D

Acq: 28 May 2022 20:31

Instrument :

BNA_G

ClientSampleId :

MW-12DL

Tgt Ion:136 Resp: 209929

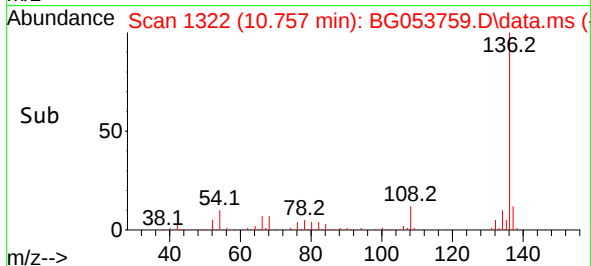
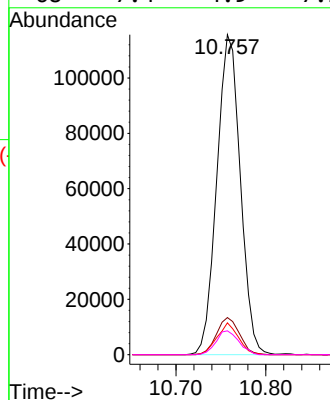
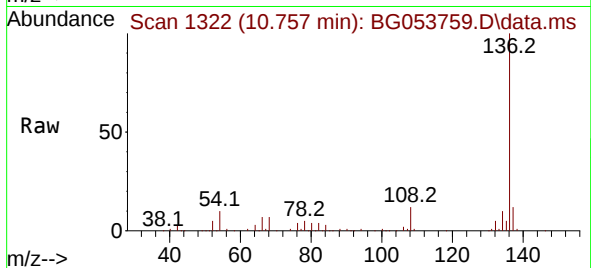
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 9.9 7.4 11.2

68 7.4 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 3.787 ng

RT: 9.118 min Scan# 1043

Delta R.T. -0.002 min

Lab File: BG053759.D

Acq: 28 May 2022 20:31

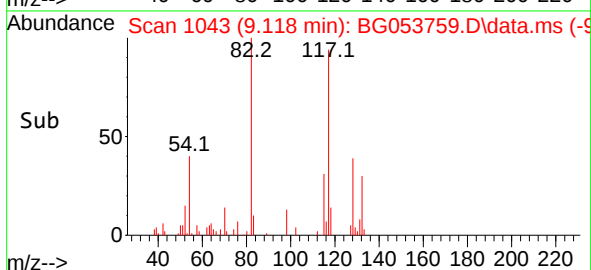
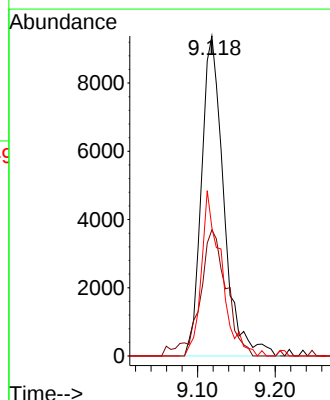
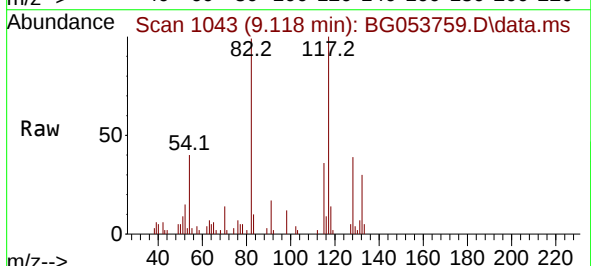
Tgt Ion: 82 Resp: 18674

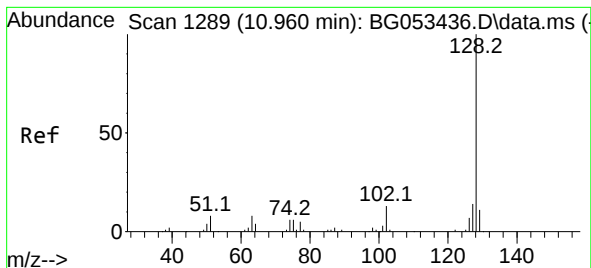
Ion Ratio Lower Upper

82 100

128 39.4 27.9 41.9

54 40.1 41.2 61.8#

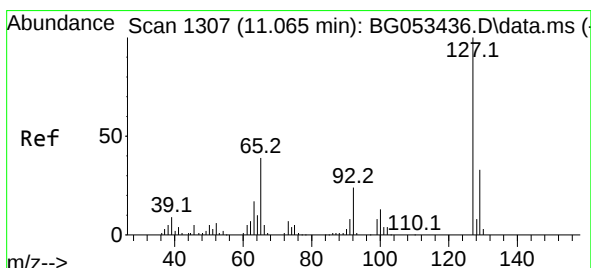
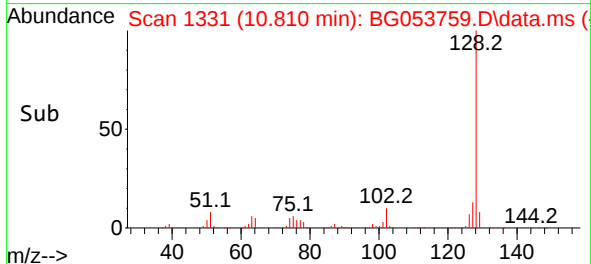
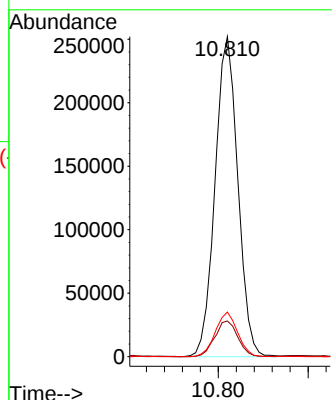
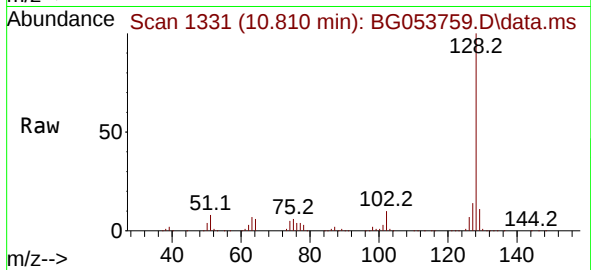




#31
Naphthalene
Concen: 41.535 ng
RT: 10.810 min Scan# 1331
Delta R.T. -0.002 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

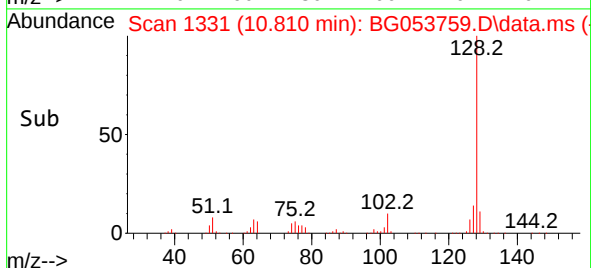
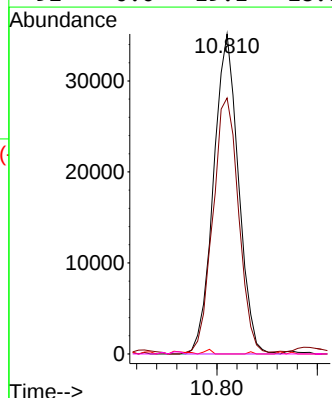
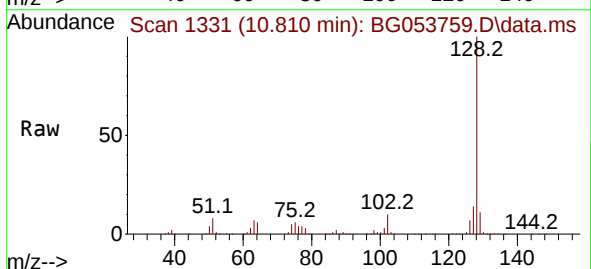
Instrument :
BNA_G
ClientSampleId :
MW-12DL

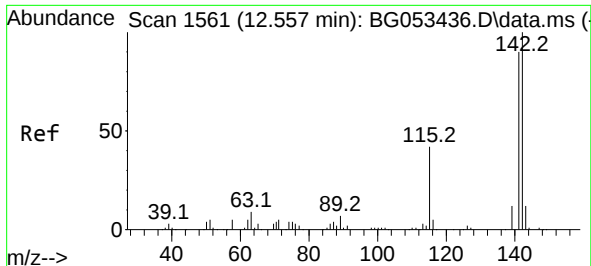
Tgt Ion:128 Resp: 443535
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 14.0 11.1 16.7



#33
4-Chloroaniline
Concen: 13.530 ng
RT: 10.810 min Scan# 1331
Delta R.T. -0.114 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion:127 Resp: 60509
Ion Ratio Lower Upper
127 100
129 80.0 26.3 39.5#
65 0.0 31.1 46.7#
92 0.0 19.1 28.7#





#37

2-Methylnaphthalene

Concen: 6.418 ng

RT: 12.420 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG053759.D

Acq: 28 May 2022 20:31

Instrument :

BNA_G

ClientSampleId :

MW-12DL

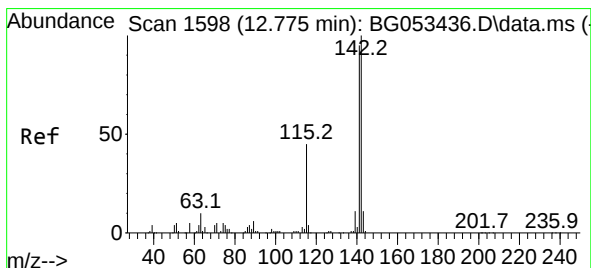
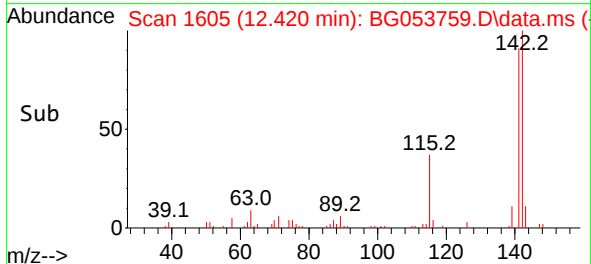
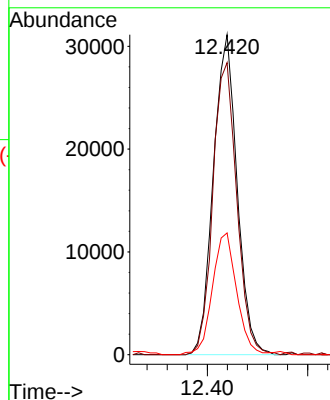
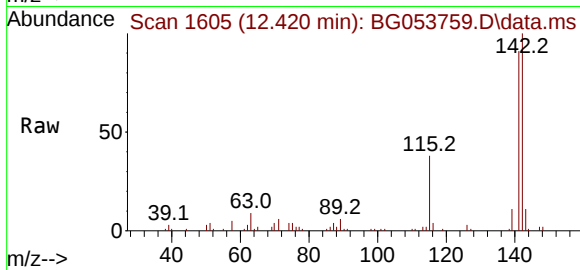
Tgt Ion:142 Resp: 51150

Ion Ratio Lower Upper

142 100

141 91.3 72.3 108.5

115 38.0 33.7 50.5



#38

1-Methylnaphthalene

Concen: 19.091 ng

RT: 12.637 min Scan# 1642

Delta R.T. -0.002 min

Lab File: BG053759.D

Acq: 28 May 2022 20:31

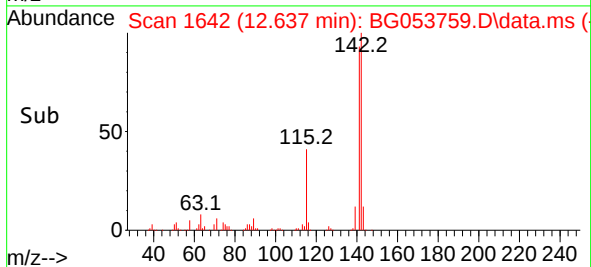
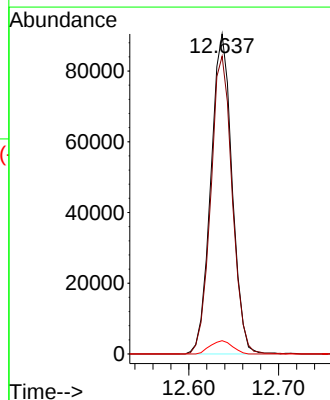
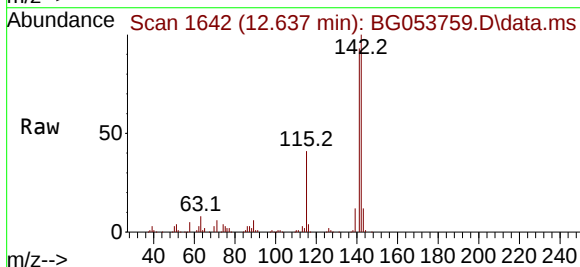
Tgt Ion:142 Resp: 148434

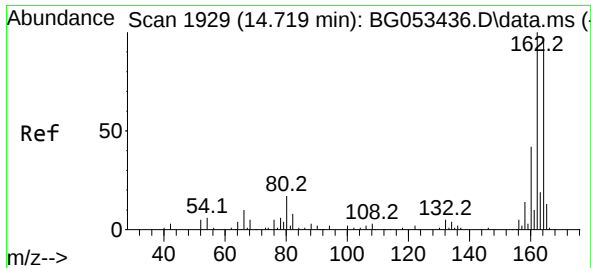
Ion Ratio Lower Upper

142 100

141 93.1 76.4 114.6

116 4.2 3.3 4.9

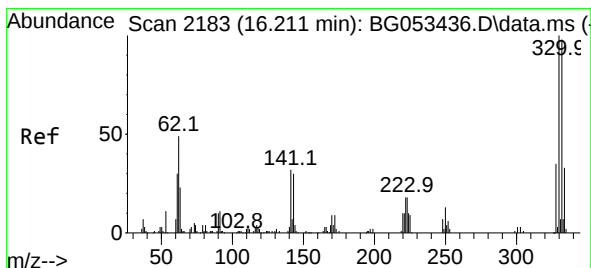
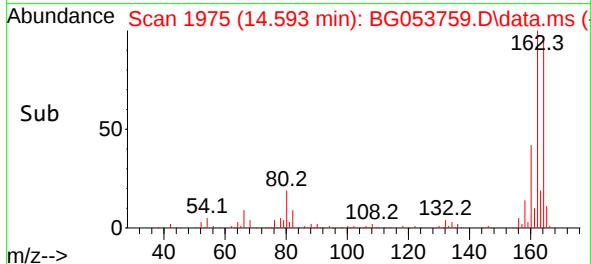
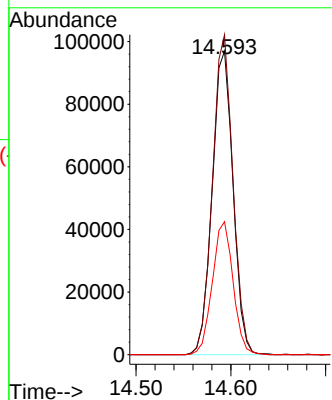
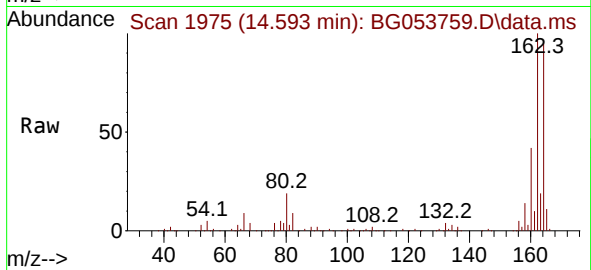




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1929
Delta R.T. -0.002 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

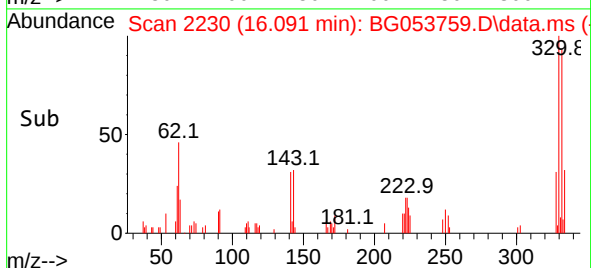
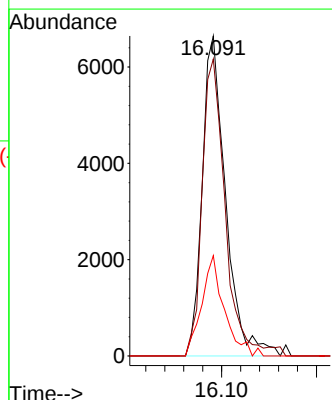
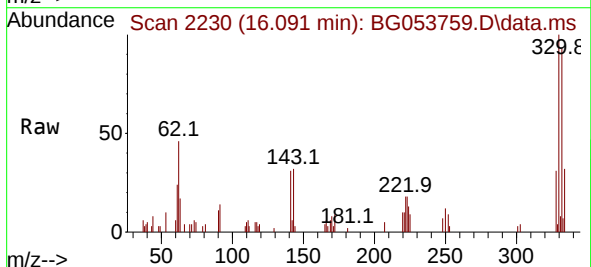
Instrument :
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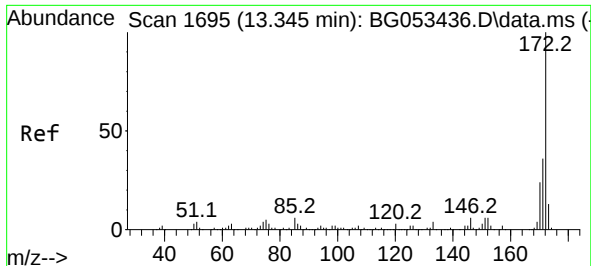
Tgt Ion:164 Resp: 147843
Ion Ratio Lower Upper
164 100
162 105.4 82.3 123.5
160 43.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 5.213 ng
RT: 16.091 min Scan# 2230
Delta R.T. -0.002 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion:330 Resp: 11366
Ion Ratio Lower Upper
330 100
332 92.1 76.0 114.0
141 30.3 27.1 40.7

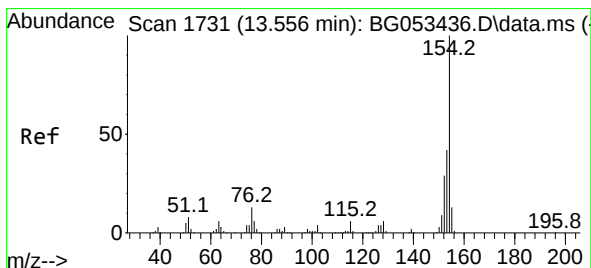
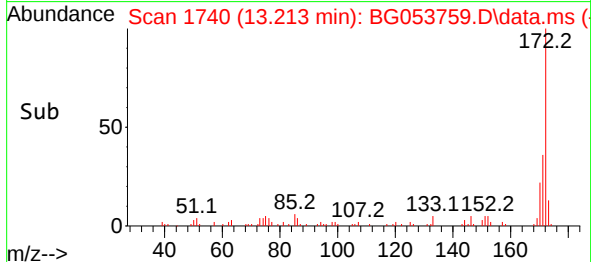
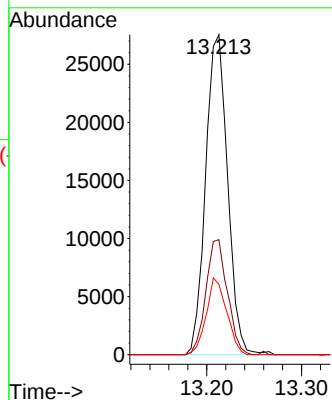
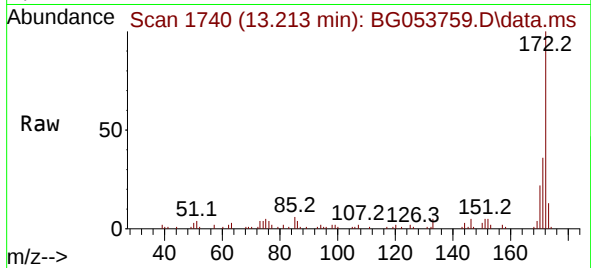




#45
2-Fluorobiphenyl
Concen: 4.387 ng
RT: 13.213 min Scan# 1740
Delta R.T. -0.002 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

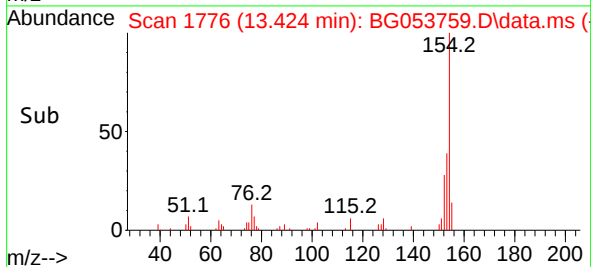
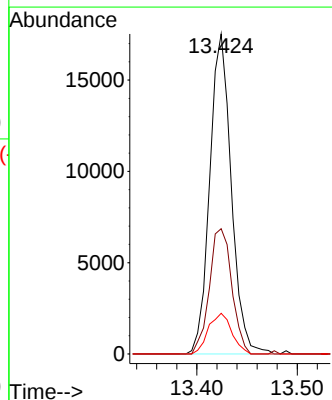
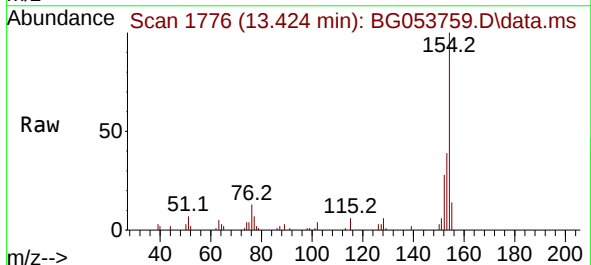
Instrument :
BNA_G
ClientSampleId :
MW-12DL

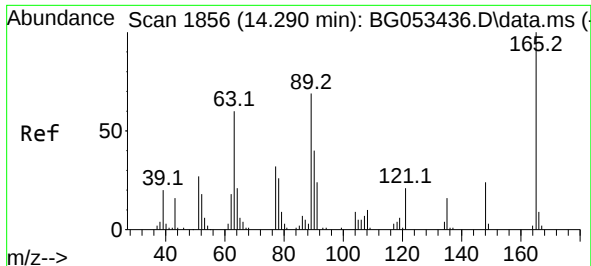
Tgt Ion:172 Resp: 44389
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 22.0 18.9 28.3



#46
1,1'-Biphenyl
Concen: 2.596 ng
RT: 13.424 min Scan# 1776
Delta R.T. -0.002 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion:154 Resp: 26164
Ion Ratio Lower Upper
154 100
153 39.1 21.6 61.6
76 12.7 0.0 32.6

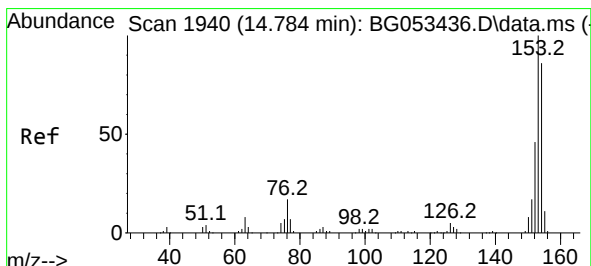
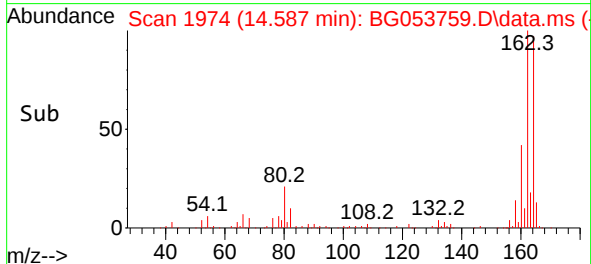
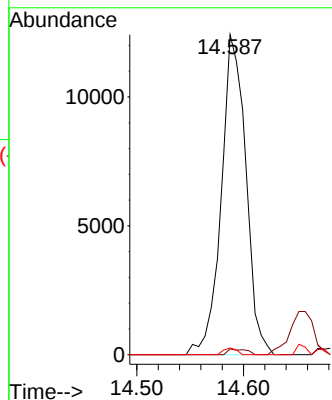
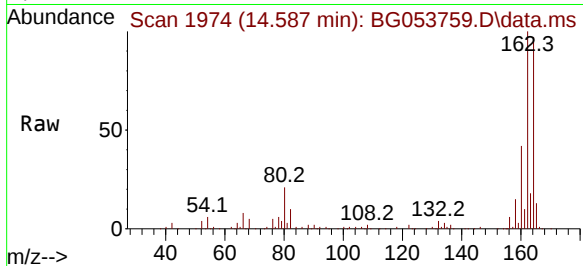




#51
2,6-Dinitrotoluene
Concen: 8.659 ng
RT: 14.587 min Scan# 1985
Delta R.T. 0.415 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

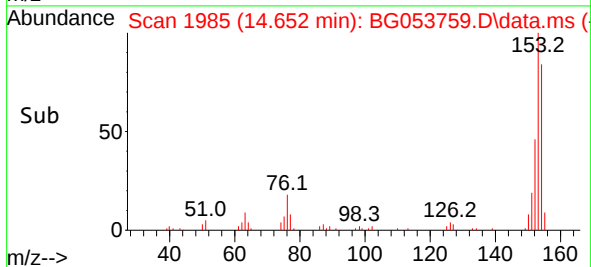
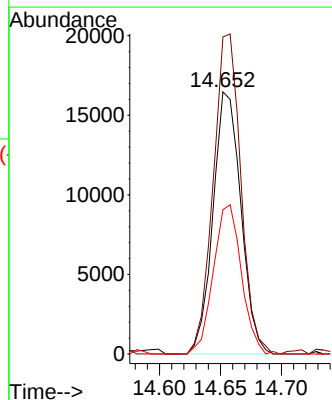
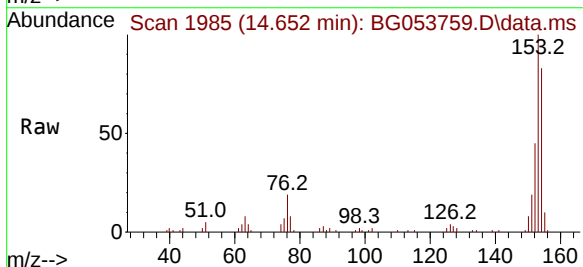
Instrument :
BNA_G
ClientSampleId :
MW-12DL

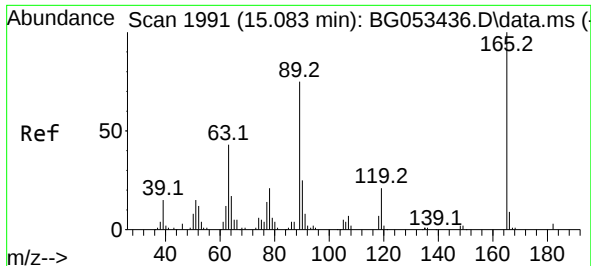
Tgt Ion:165 Resp: 19819
Ion Ratio Lower Upper
165 100
63 1.8 54.1 81.1#
89 2.1 54.8 82.2#



#52
Acenaphthene
Concen: 3.487 ng
RT: 14.652 min Scan# 1985
Delta R.T. -0.008 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion:154 Resp: 26184
Ion Ratio Lower Upper
154 100
153 120.9 92.7 139.1
152 55.0 42.6 64.0

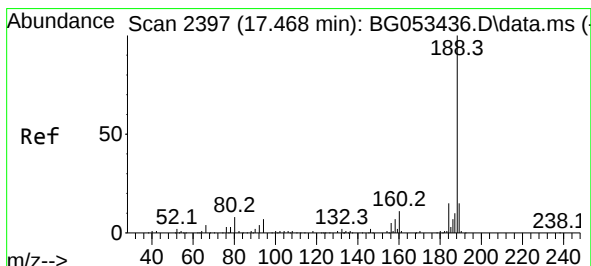
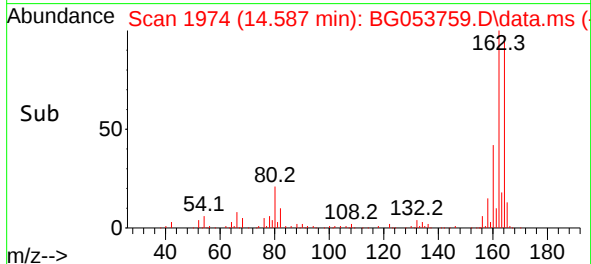
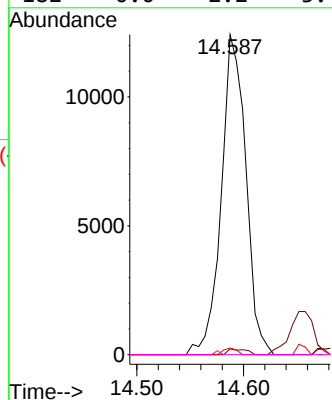
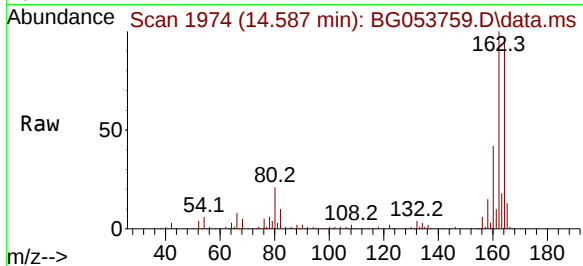




#57
2,4-Dinitrotoluene
Concen: 5.974 ng
RT: 14.587 min Scan# 1991
Delta R.T. -0.378 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

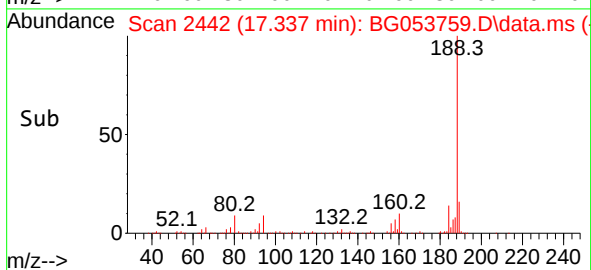
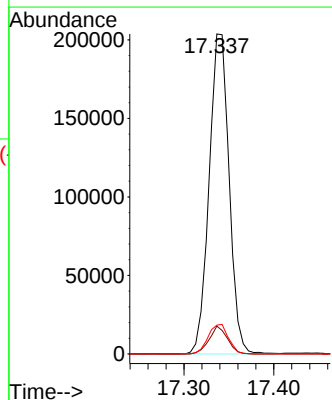
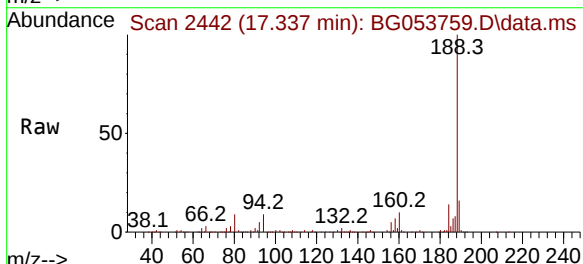
Instrument :
BNA_G
ClientSampleId :
MW-12DL

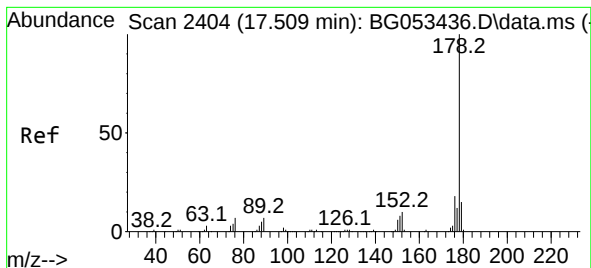
Tgt Ion:165 Resp: 19819
Ion Ratio Lower Upper
165 100
63 1.8 34.6 52.0#
89 2.1 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.337 min Scan# 2442
Delta R.T. -0.008 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

Tgt Ion:188 Resp: 315285
Ion Ratio Lower Upper
188 100
94 8.7 5.4 8.0#
80 9.0 6.8 10.2





#71

Phenanthrene

Concen: 2.110 ng

RT: 17.384 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG053759.D

Acq: 28 May 2022 20:31

Instrument :

BNA_G

ClientSampleId :

MW-12DL

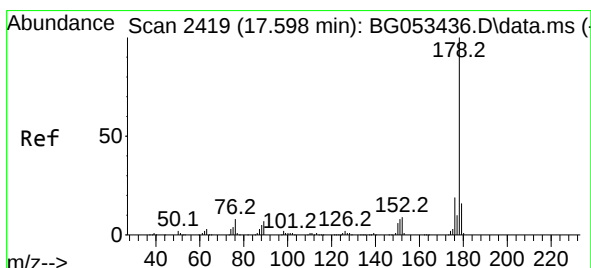
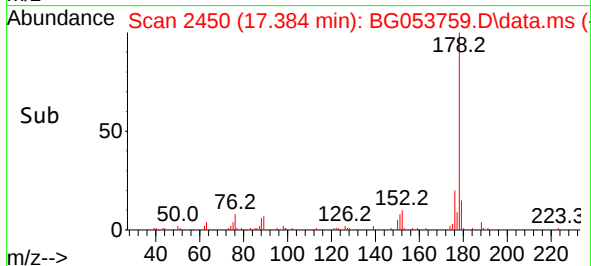
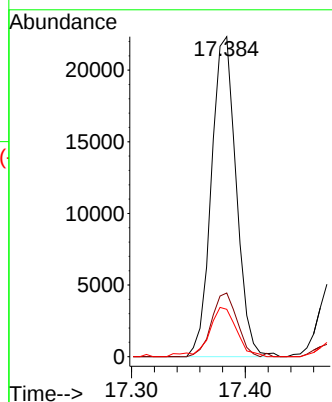
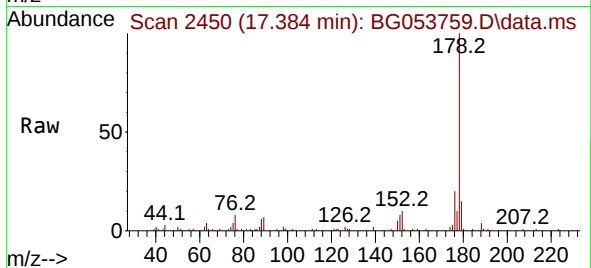
Tgt Ion:178 Resp: 33821

Ion Ratio Lower Upper

178 100

176 19.9 14.1 21.1

179 14.8 12.1 18.1



#72

Anthracene

Concen: 2.146 ng

RT: 17.384 min Scan# 2450

Delta R.T. -0.090 min

Lab File: BG053759.D

Acq: 28 May 2022 20:31

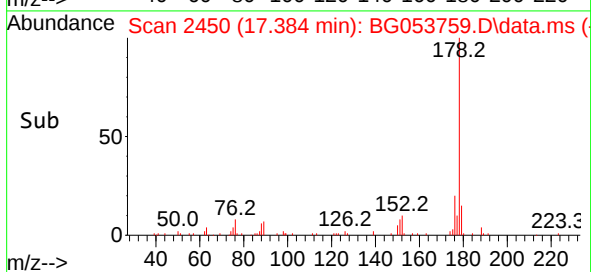
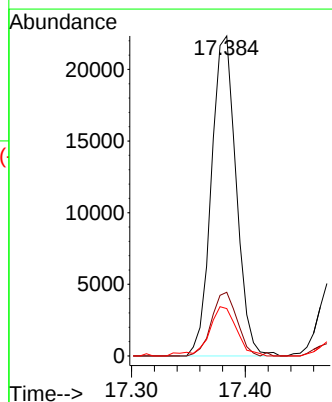
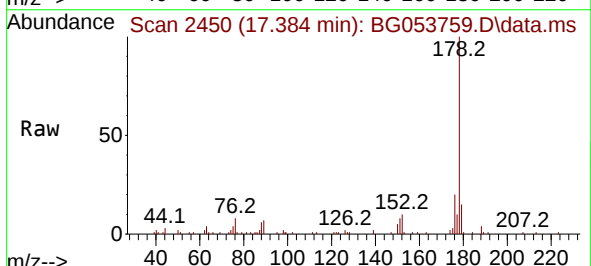
Tgt Ion:178 Resp: 33821

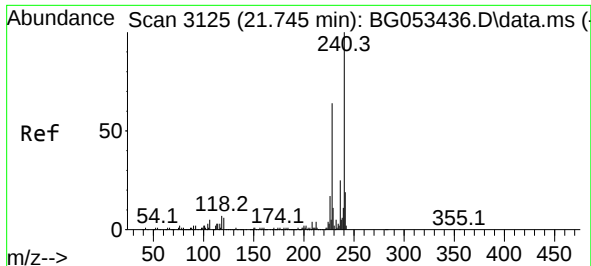
Ion Ratio Lower Upper

178 100

176 19.9 15.2 22.8

179 14.8 13.0 19.4

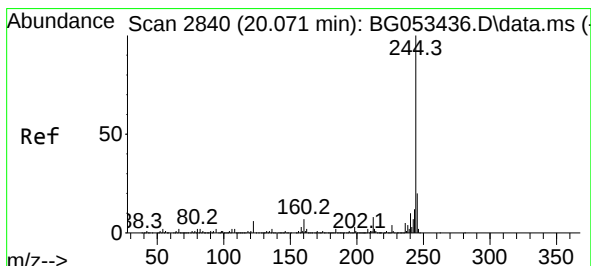
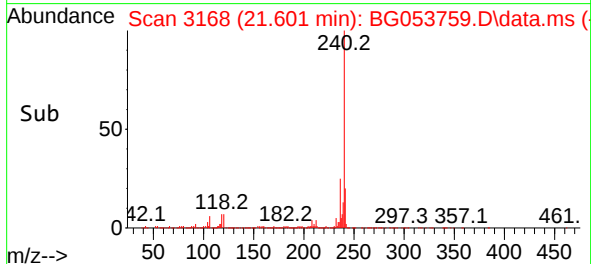
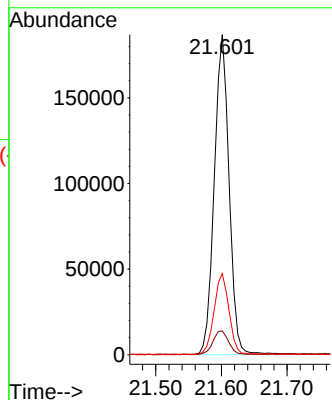
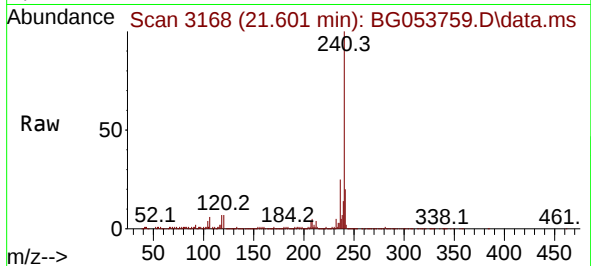




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.601 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

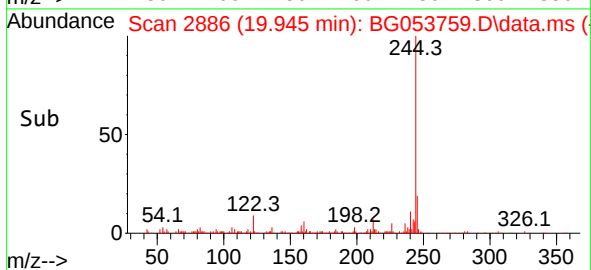
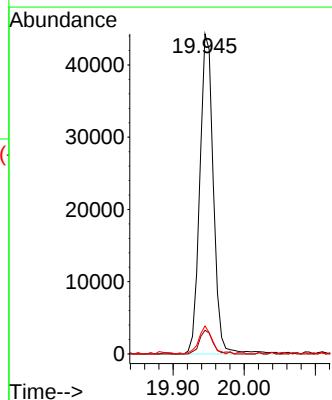
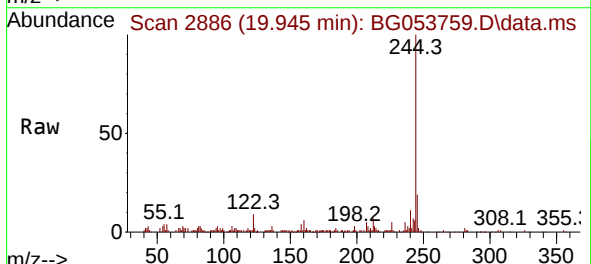
Instrument :
BNA_G
ClientSampleId :
MW-12DL

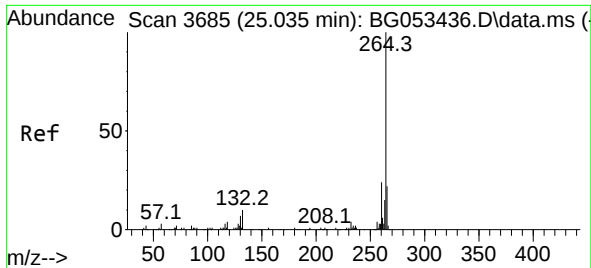
Tgt Ion:240 Resp: 292685
Ion Ratio Lower Upper
240 100
120 7.5 4.6 7.0#
236 25.4 20.2 30.4



#79
Terphenyl-d14
Concen: 3.764 ng
RT: 19.945 min Scan# 2886
Delta R.T. -0.008 min
Lab File: BG053759.D
Acq: 28 May 2022 20:31

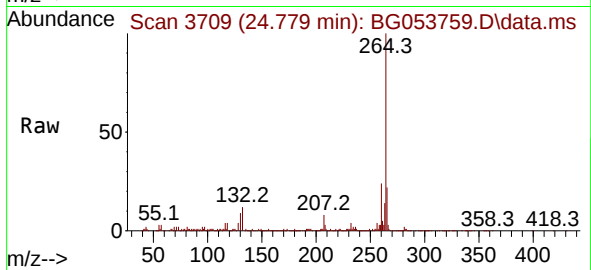
Tgt Ion:244 Resp: 59151
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 8.8 5.0 7.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.779 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BG053759.D
 Acq: 28 May 2022 20:31

Instrument :
 BNA_G
 ClientSampleId :
 MW-12DL



Tgt Ion:264 Resp: 302177

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.9	17.4	26.2

