

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053671.D
 Acq On : 23 May 2022 19:29
 Operator : CG/JU
 Sample : N2968-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-39

Quant Time: May 24 05:10:07 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)

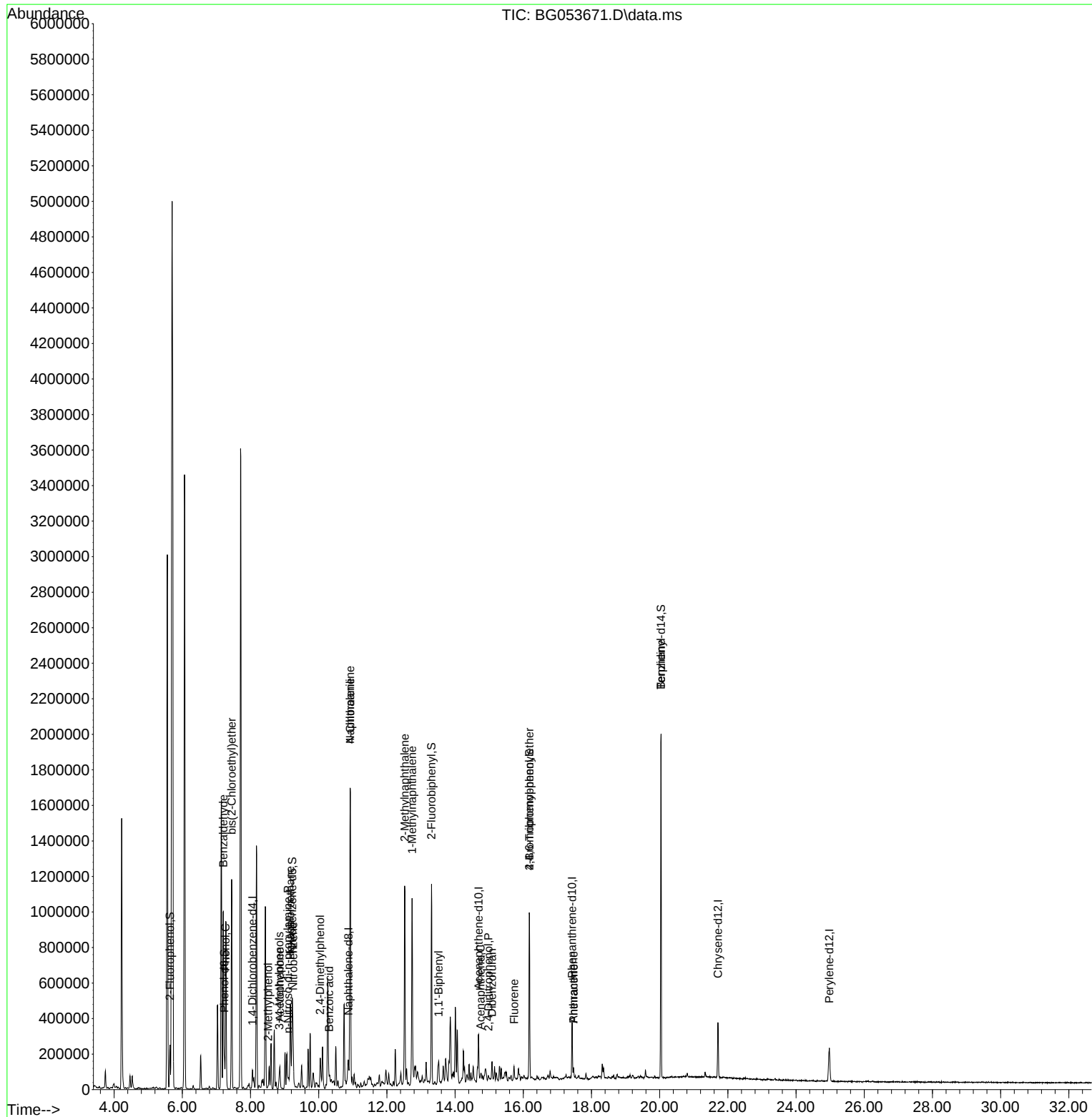
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	29542	20.000	ng	0.00
21) Naphthalene-d8	10.872	136	115976	20.000	ng	# 0.00
39) Acenaphthene-d10	14.690	164	86669	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	197514	20.000	ng	0.00
76) Chrysene-d12	21.710	240	200828	20.000	ng	0.00
86) Perylene-d12	24.977	264	204222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	97704	56.129	ng	0.01
7) Phenol-d6	7.236	99	95035	35.974	ng	0.00
23) Nitrobenzene-d5	9.227	82	255208	93.673	ng	0.00
42) 2,4,6-Tribromophenol	16.183	330	188102	147.154	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	585708	98.753	ng	0.00
79) Terphenyl-d14	20.042	244	1003366	93.052	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.201	77	85301	50.826	ng	# 1
10) Phenol	7.265	94	7928	3.068	ng	# 1
11) bis(2-Chloroethyl)ether	7.447	93	4219	2.189	ng	# 1
17) 2-Methylphenol	8.516	107	3786	2.168	ng	94
18) Hexachloroethane	9.168	117	54134	65.804	ng	# 1
19) n-Nitroso-di-n-propyla...	9.098	70	3906	2.061	ng	# 77
20) 3+4-Methylphenols	8.845	107	28463	11.540	ng	93
22) Acetophenone	8.863	105	72056	22.701	ng	# 55
24) Nitrobenzene	9.251	77	11240	4.263	ng	# 11
27) 2,4-Dimethylphenol	10.044	122	46401	28.869	ng	95
31) Naphthalene	10.925	128	1360945	230.692	ng	98
32) Benzoic acid	10.308	122	12733	18.919	ng	# 34
33) 4-Chloroaniline	10.925	127	193614	78.366	ng	# 32
37) 2-Methylnaphthalene	12.523	142	527621	119.843	ng	99
38) 1-Methylnaphthalene	12.740	142	388291	90.396	ng	# 97
46) 1,1'-Biphenyl	13.521	154	53846	9.115	ng	99
52) Acenaphthene	14.749	154	12493	2.838	ng	92
54) 2,4-Dinitrophenol	14.978	184	332	6.604	ng	# 1
55) Dibenzofuran	15.084	168	21314	2.696	ng	# 71
58) Fluorene	15.736	166	27284	4.300	ng	96
67) 4-Bromophenyl-phenylether	16.183	248	12444	5.395	ng	# 1
71) Phenanthrene	17.475	178	32826	3.268	ng	# 96
72) Anthracene	17.475	178	32826	3.325	ng	96
77) Benzidine	20.042	184	18102	4.182	ng	99

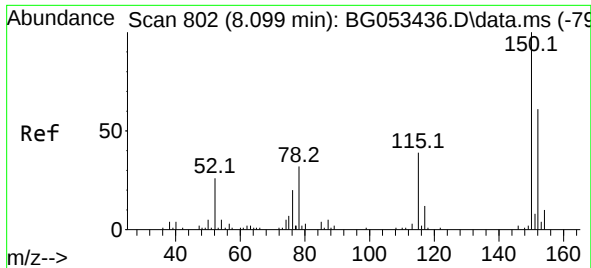
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
Data File : BG053671.D
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Quant Time: May 24 05:10:07 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

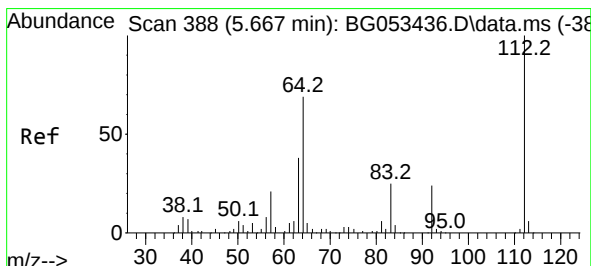
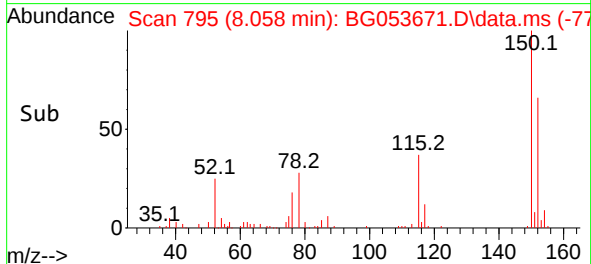
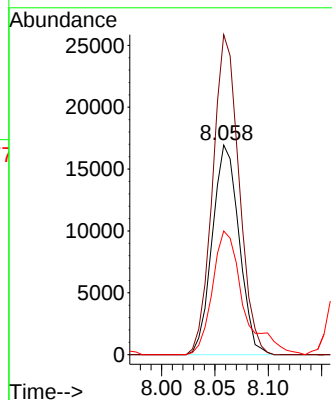
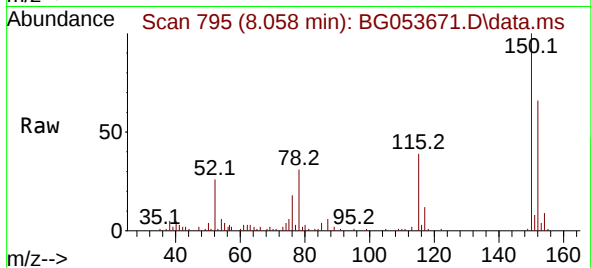




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

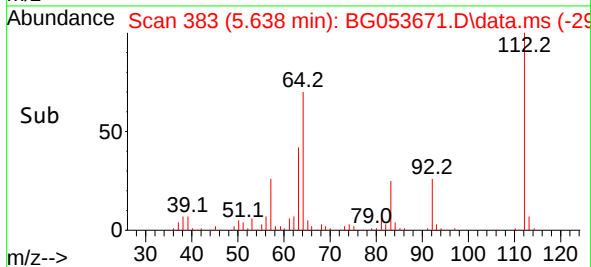
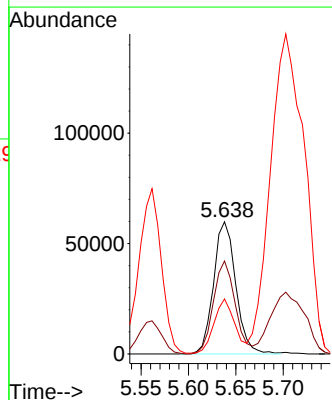
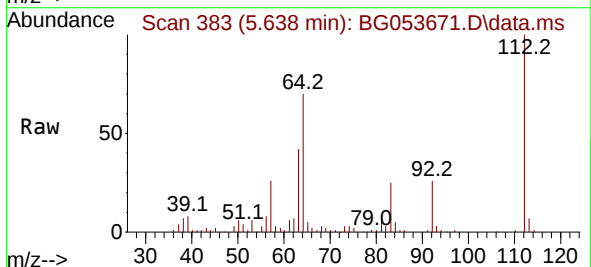
Instrument :
BNA_G
ClientSampleId :
MW-39

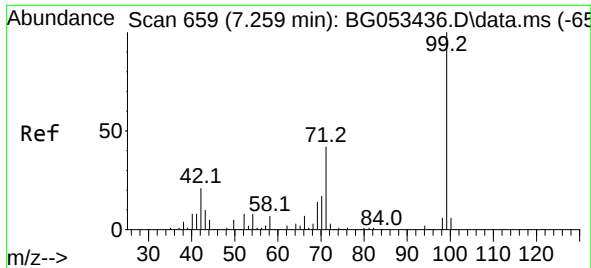
Tgt Ion:152 Resp: 29542
Ion Ratio Lower Upper
152 100
150 152.6 131.6 197.4
115 59.0 50.9 76.3



#5
2-Fluorophenol
Concen: 56.129 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.012 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:112 Resp: 97704
Ion Ratio Lower Upper
112 100
64 70.4 55.1 82.7
63 41.6 30.4 45.6

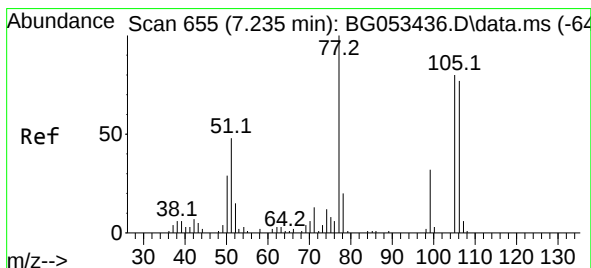
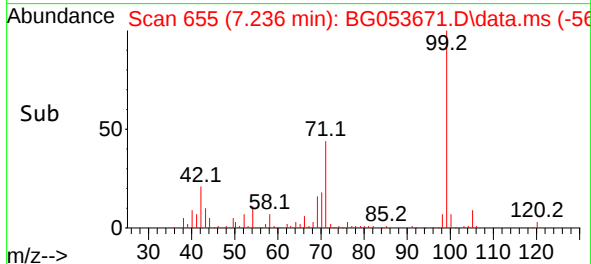
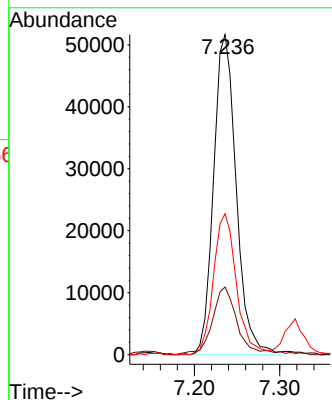
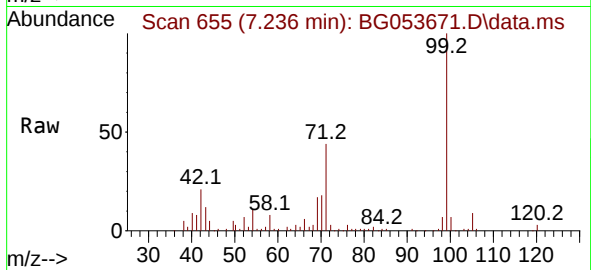




#7
Phenol-d6
Concen: 35.974 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

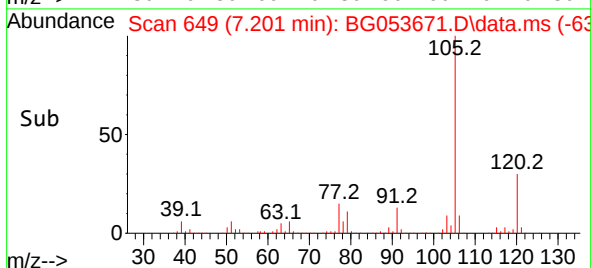
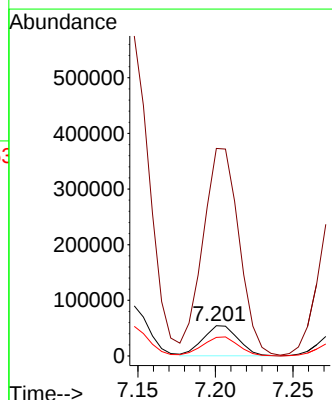
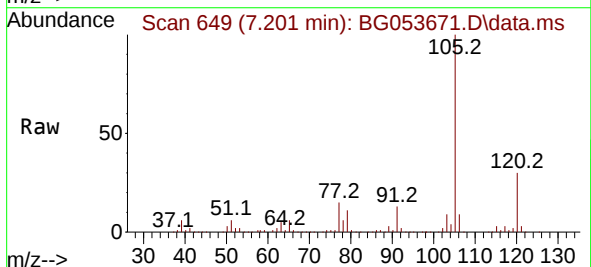
Instrument :
BNA_G
ClientSampleId :
MW-39

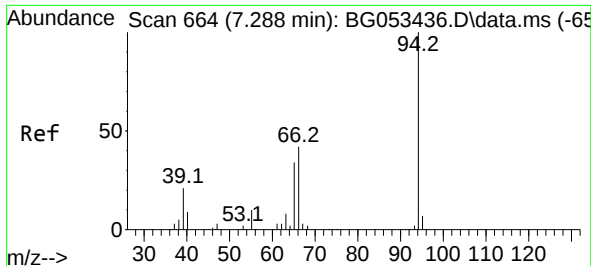
Tgt Ion: 99 Resp: 95035
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 44.0 33.8 50.8



#9
Benzaldehyde
Concen: 50.826 ng
RT: 7.201 min Scan# 649
Delta R.T. 0.006 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion: 77 Resp: 85301
Ion Ratio Lower Upper
77 100
105 685.6 59.6 99.6#
106 61.3 56.8 96.8

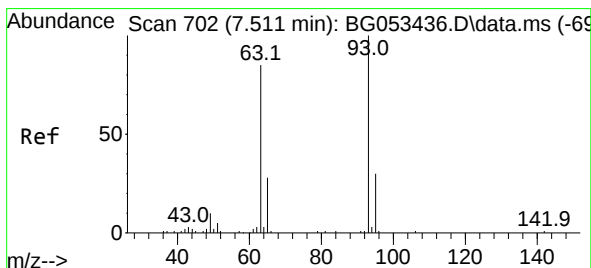
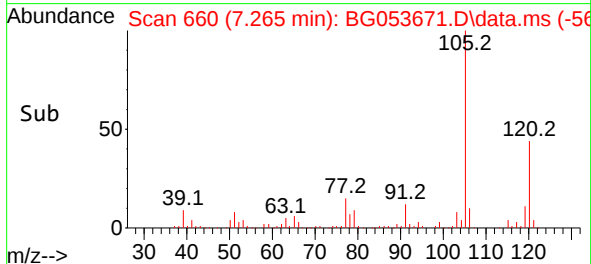
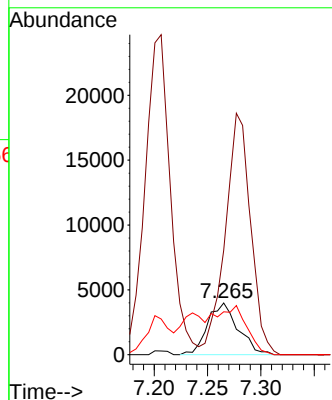
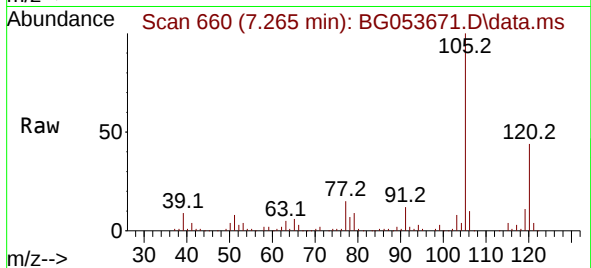




#10
Phenol
Concen: 3.068 ng
RT: 7.265 min Scan# 60
Delta R.T. 0.012 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

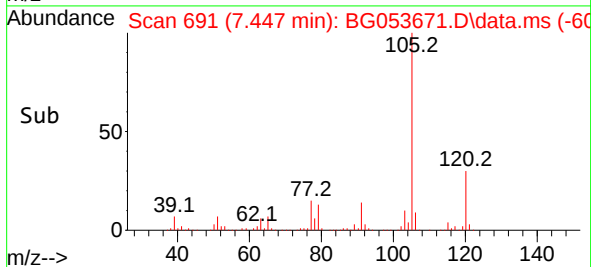
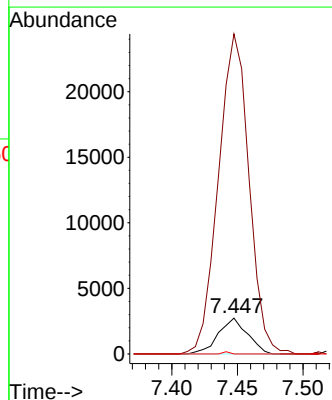
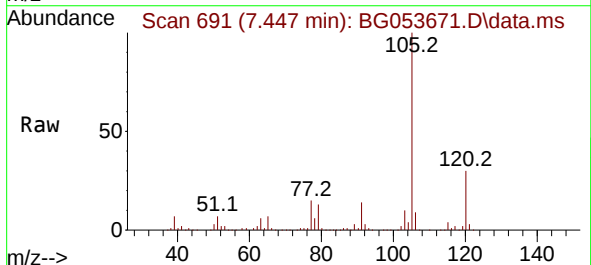
Instrument :
BNA_G
ClientSampleId :
MW-39

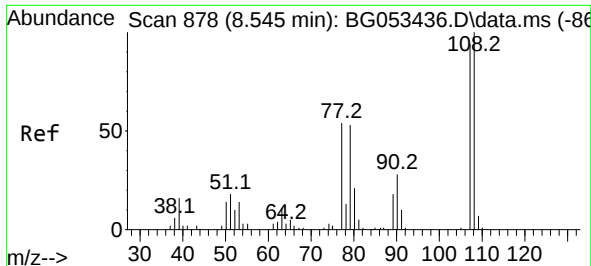
Tgt Ion: 94 Resp: 7928
Ion Ratio Lower Upper
94 100
65 202.0 14.8 54.8#
66 82.8 25.2 65.2#



#11
bis(2-Chloroethyl)ether
Concen: 2.189 ng
RT: 7.447 min Scan# 691
Delta R.T. -0.023 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion: 93 Resp: 4219
Ion Ratio Lower Upper
93 100
63 891.5 63.6 103.6#
95 0.0 10.1 50.1#

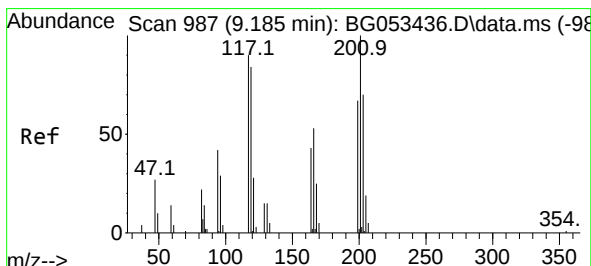
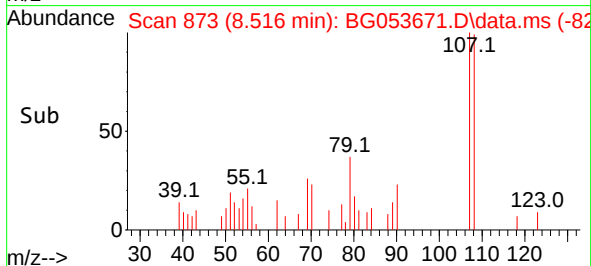
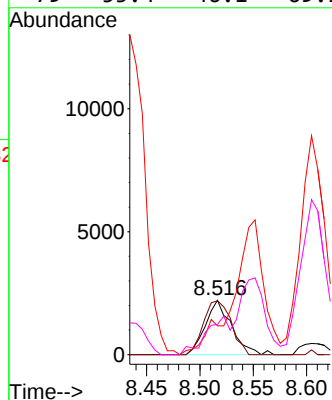
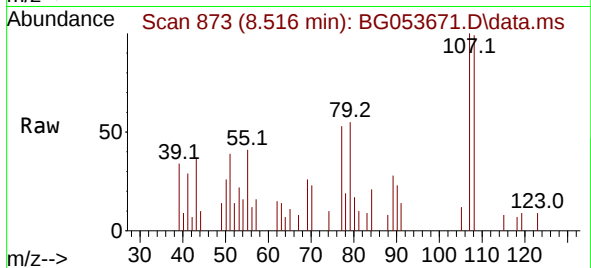




#17
2-Methylphenol
Concen: 2.168 ng
RT: 8.516 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

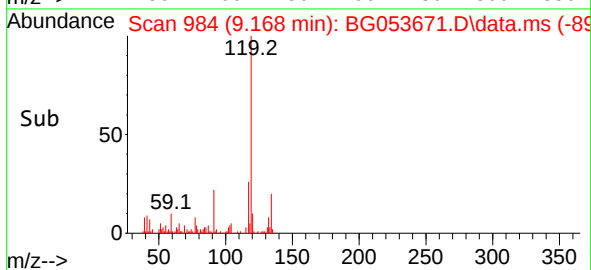
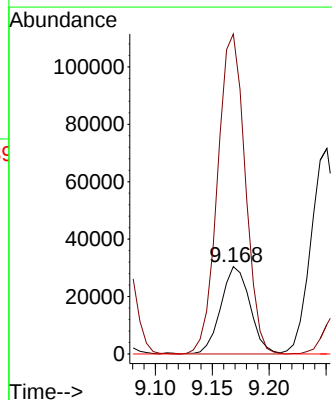
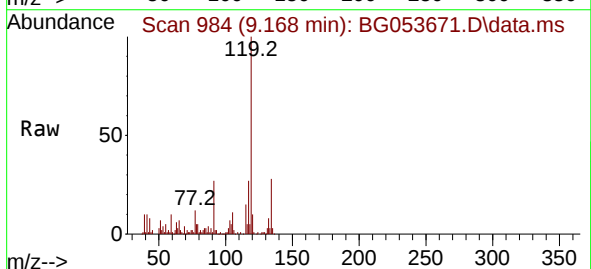
Instrument :
BNA_G
ClientSampleId :
MW-39

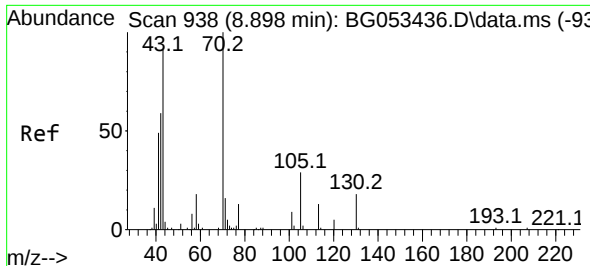
Tgt Ion:107 Resp: 3786
Ion Ratio Lower Upper
107 100
108 99.0 85.4 128.0
77 53.0 46.2 69.2
79 55.4 46.1 69.1



#18
Hexachloroethane
Concen: 65.804 ng
RT: 9.168 min Scan# 984
Delta R.T. 0.024 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:117 Resp: 54134
Ion Ratio Lower Upper
117 100
119 366.5 75.0 112.6#
201 0.0 89.0 133.6#

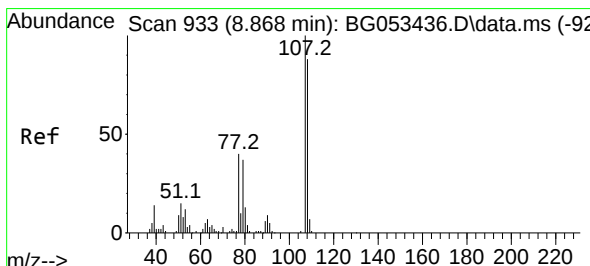
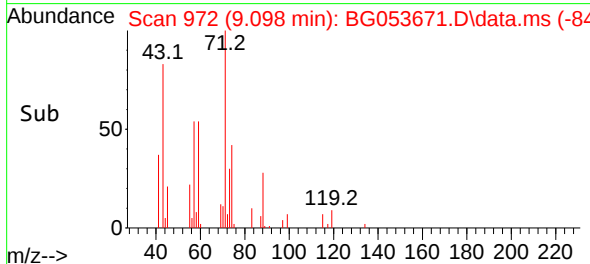
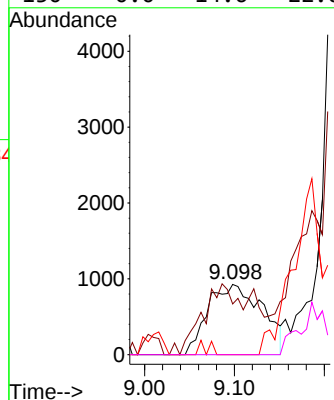
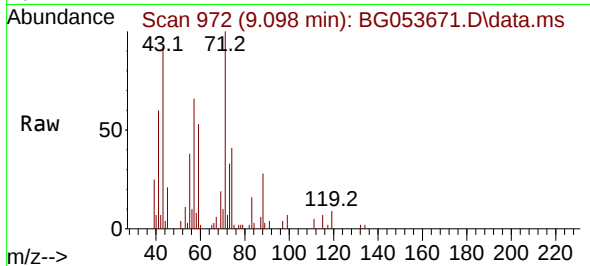




#19
 n-Nitroso-di-n-propylamine
 Concen: 2.061 ng
 RT: 9.098 min Scan# 91
 Delta R.T. 0.236 min
 Lab File: BG053671.D
 Acq: 23 May 2022 19:29

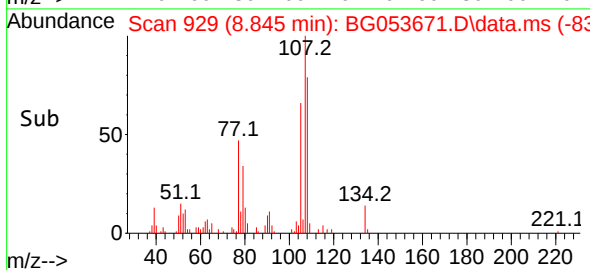
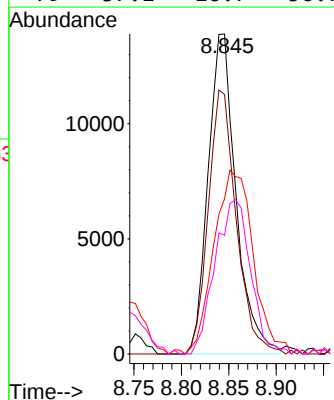
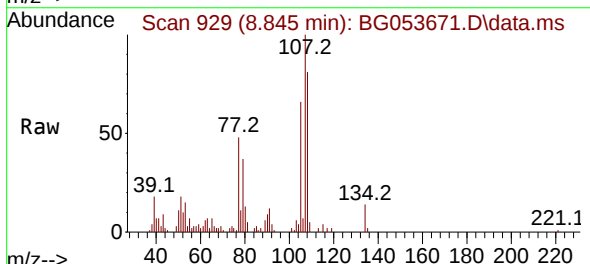
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 BNA_G
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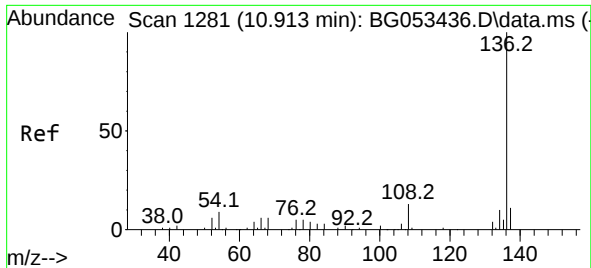
Tgt Ion:	70	Resp:	3906
Ion	Ratio	Lower	Upper
70	100		
42	72.2	47.3	70.9#
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#20
 3+4-Methylphenols
 Concen: 11.540 ng
 RT: 8.845 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: BG053671.D
 Acq: 23 May 2022 19:29

Tgt Ion:	107	Resp:	28463
Ion	Ratio	Lower	Upper
107	100		
108	81.1	67.5	107.5
77	48.4	20.3	60.3
79	37.1	16.7	56.7

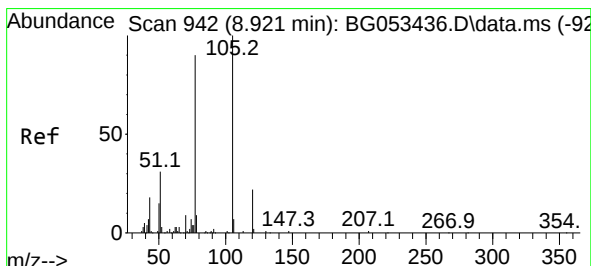
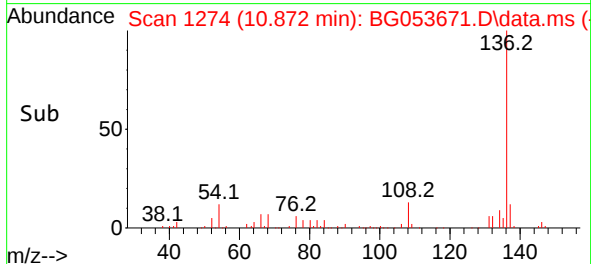
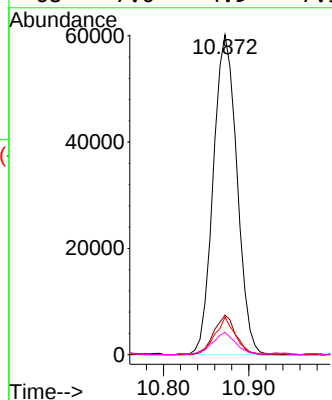
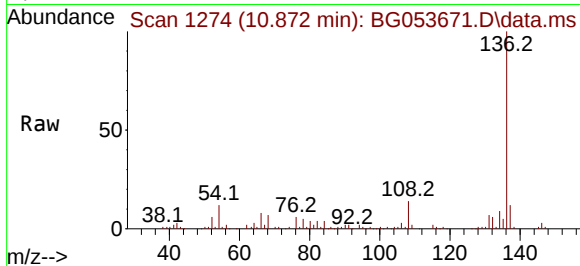




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.872 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

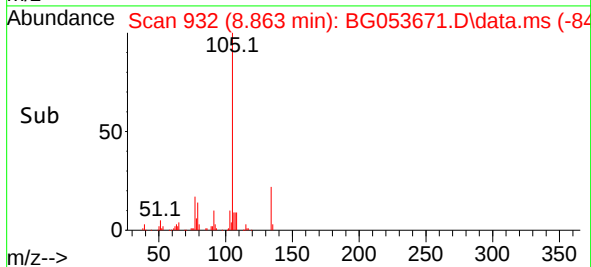
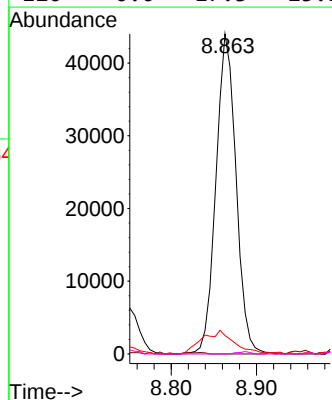
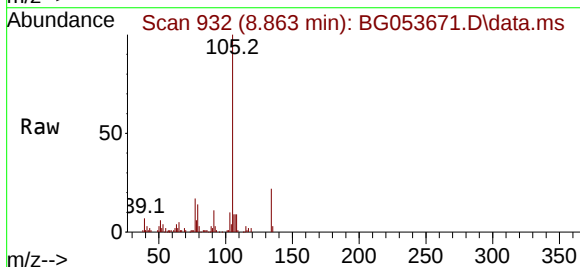
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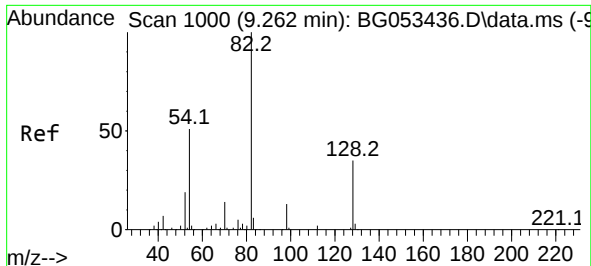
Tgt Ion:136 Resp: 115976
Ion Ratio Lower Upper
136 100
137 12.3 8.5 12.7
54 11.7 7.4 11.2#
68 7.0 4.9 7.3



#22
Acetophenone
Concen: 22.701 ng
RT: 8.863 min Scan# 932
Delta R.T. -0.017 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:105 Resp: 72056
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 5.8 25.4 38.0#
120 0.0 17.3 25.9#





#23

Nitrobenzene-d5

Concen: 93.673 ng

RT: 9.227 min Scan# 994

Delta R.T. 0.001 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

Instrument :

BNA_G

ClientSampleId :

MW-39

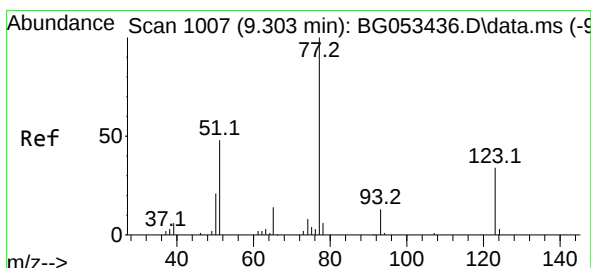
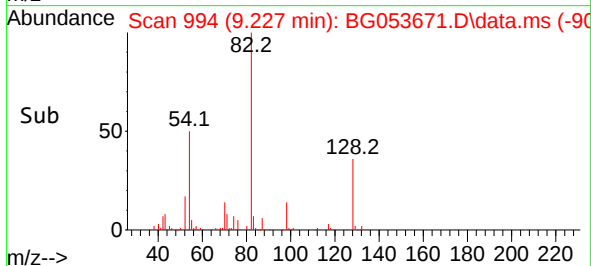
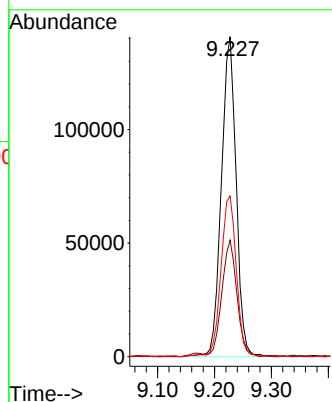
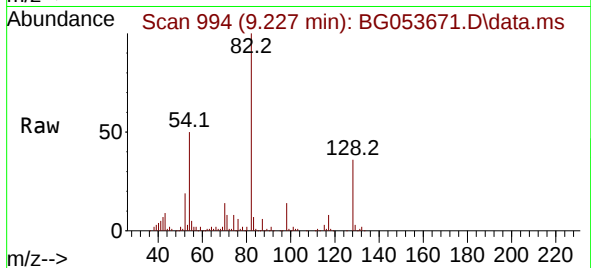
Tgt Ion: 82 Resp: 255208

Ion Ratio Lower Upper

82 100

128 36.4 27.9 41.9

54 50.2 41.2 61.8



#24

Nitrobenzene

Concen: 4.263 ng

RT: 9.251 min Scan# 998

Delta R.T. -0.017 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

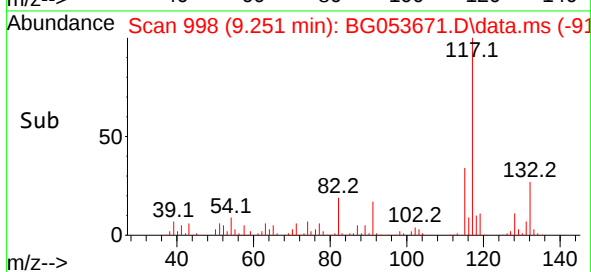
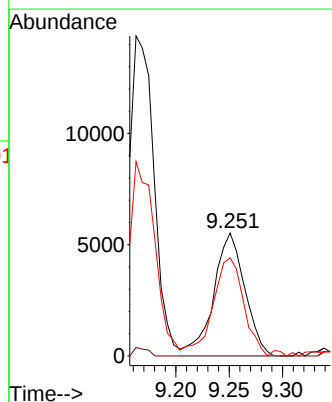
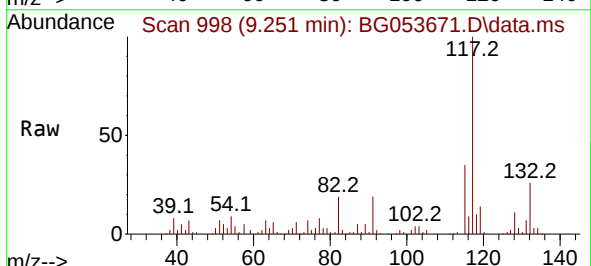
Tgt Ion: 77 Resp: 11240

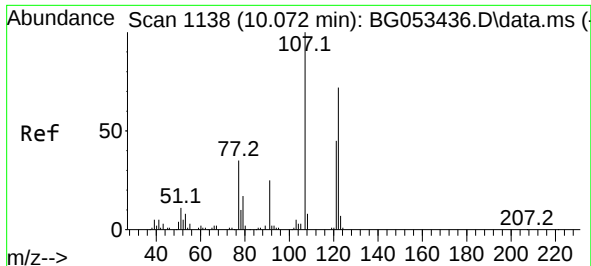
Ion Ratio Lower Upper

77 100

123 0.0 27.4 41.0#

65 79.8 11.4 17.0#

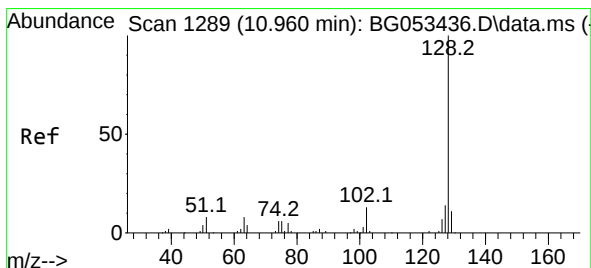
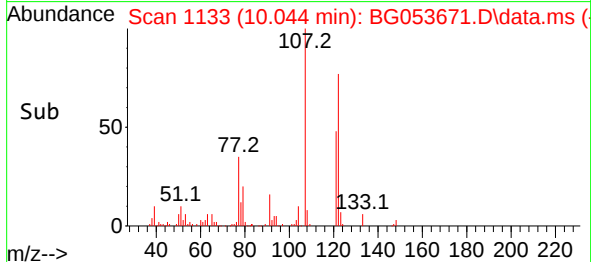
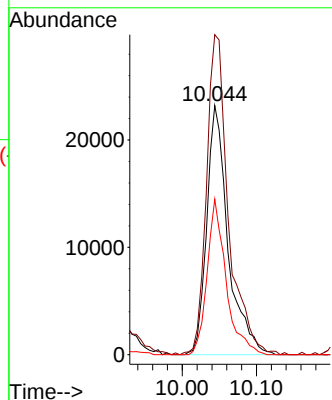
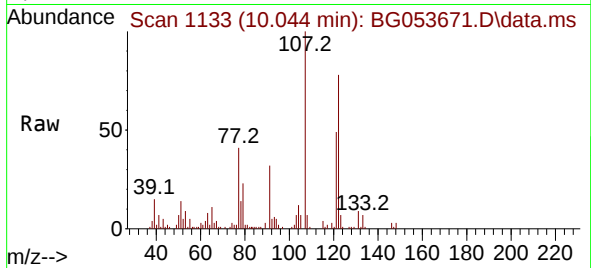




#27
2,4-Dimethylphenol
Concen: 28.869 ng
RT: 10.044 min Scan# 1133
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

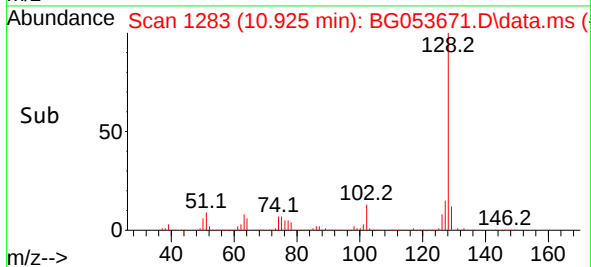
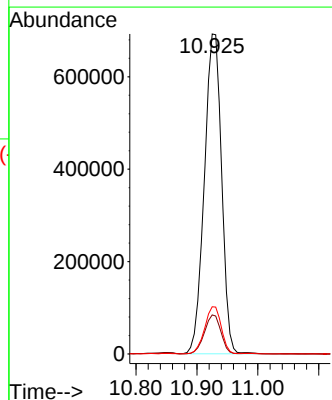
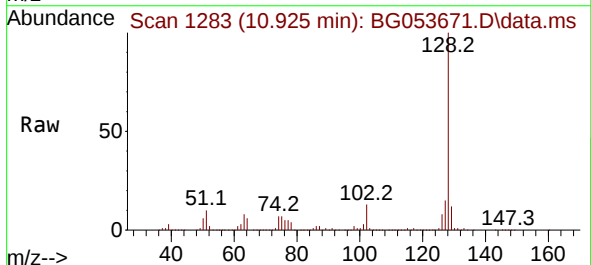
Instrument :
BNA_G
ClientSampleId :
MW-39

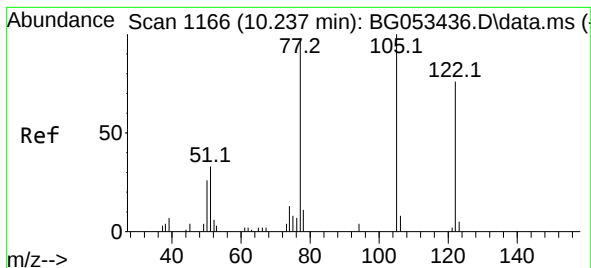
Tgt Ion:122 Resp: 46401
Ion Ratio Lower Upper
122 100
107 128.5 109.4 164.0
121 62.4 48.7 73.1



#31
Naphthalene
Concen: 230.692 ng
RT: 10.925 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:128 Resp: 1360945
Ion Ratio Lower Upper
128 100
129 12.2 9.0 13.6
127 14.8 11.1 16.7





#32

Benzoic acid

Concen: 18.919 ng

RT: 10.308 min Scan# 1166

Delta R.T. 0.083 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

Instrument :

BNA_G

ClientSampleId :

MW-39

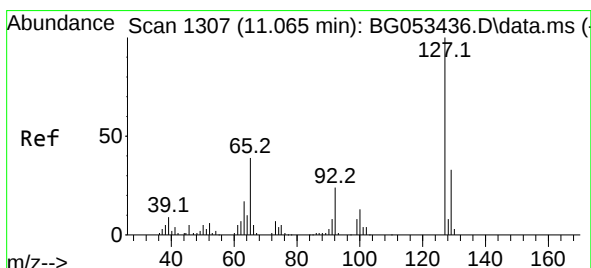
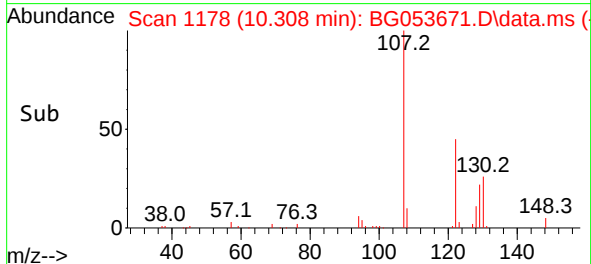
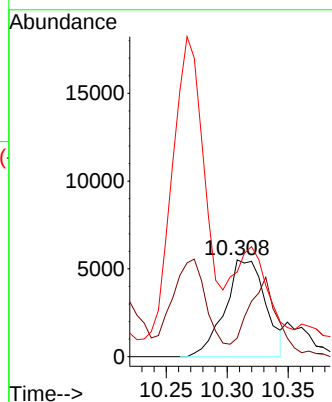
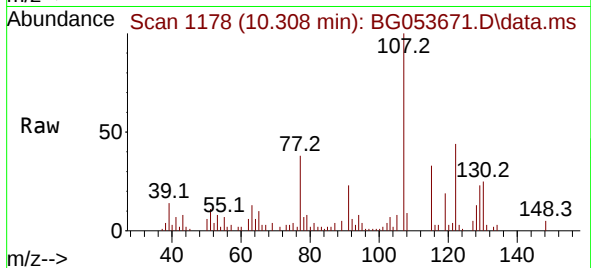
Tgt Ion:122 Resp: 12733

Ion Ratio Lower Upper

122 100

105 19.2 111.8 151.8#

77 87.3 109.4 149.4#



#33

4-Chloroaniline

Concen: 78.366 ng

RT: 10.925 min Scan# 1283

Delta R.T. -0.105 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

Tgt Ion:127 Resp: 193614

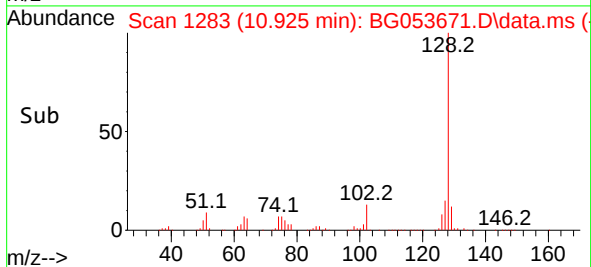
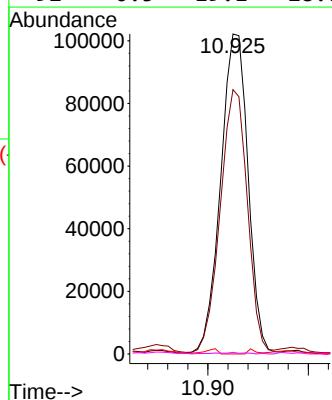
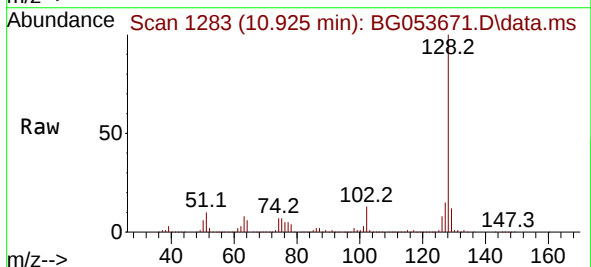
Ion Ratio Lower Upper

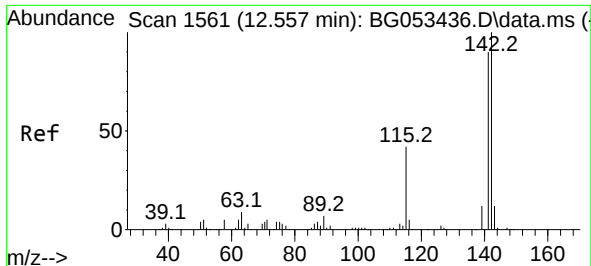
127 100

129 82.6 26.3 39.5#

65 0.0 31.1 46.7#

92 0.5 19.1 28.7#





#37

2-Methylnaphthalene

Concen: 119.843 ng

RT: 12.523 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

Instrument :

BNA_G

ClientSampleId :

MW-39

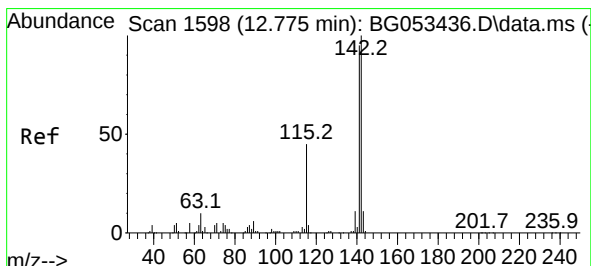
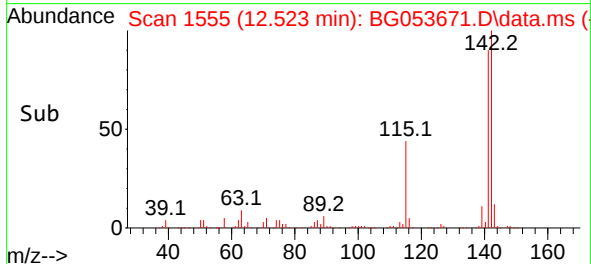
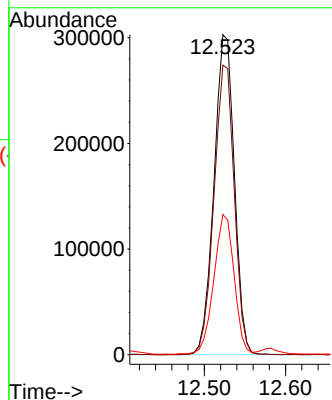
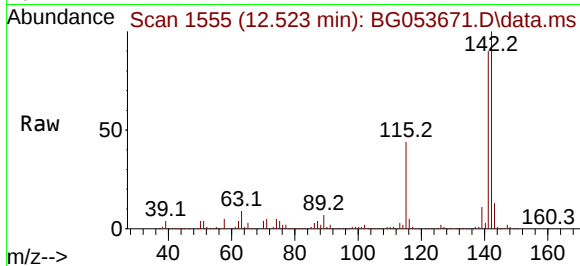
Tgt Ion:142 Resp: 527621

Ion Ratio Lower Upper

142 100

141 90.5 72.3 108.5

115 43.8 33.7 50.5



#38

1-Methylnaphthalene

Concen: 90.396 ng

RT: 12.740 min Scan# 1592

Delta R.T. 0.001 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

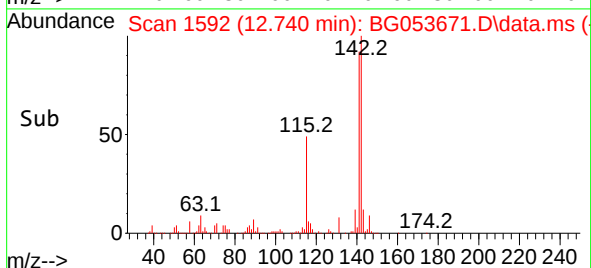
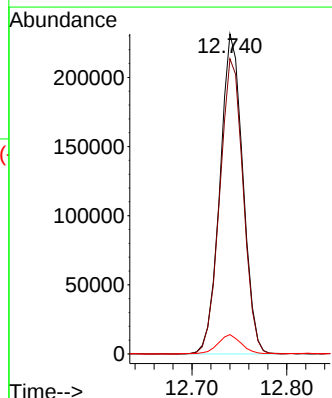
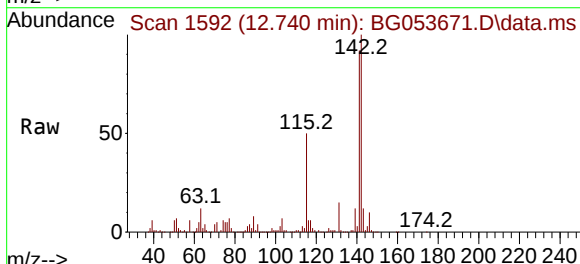
Tgt Ion:142 Resp: 388291

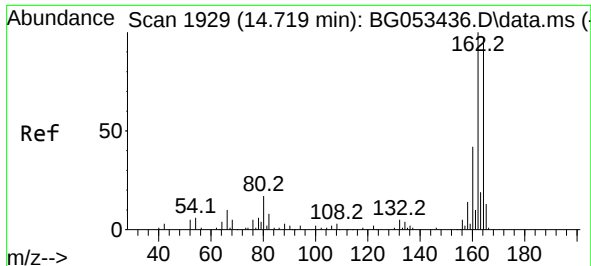
Ion Ratio Lower Upper

142 100

141 92.3 76.4 114.6

116 6.0 3.3 4.9#

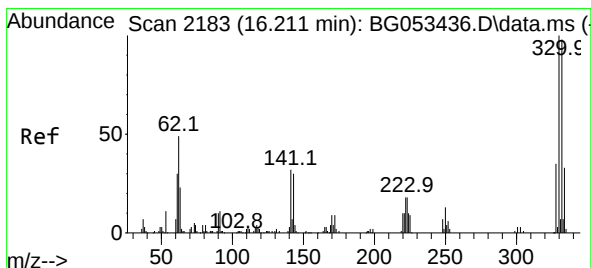
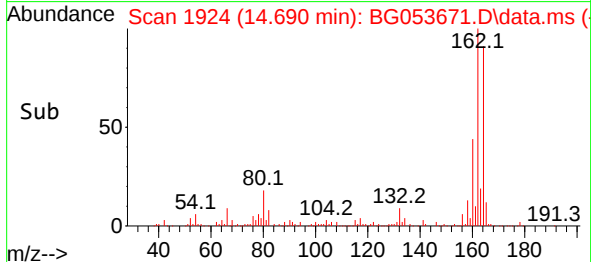
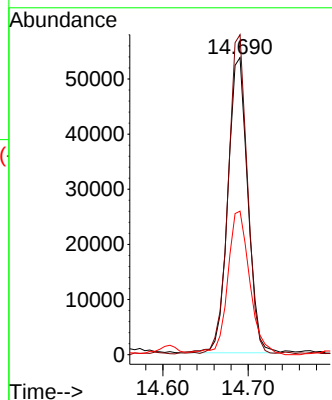
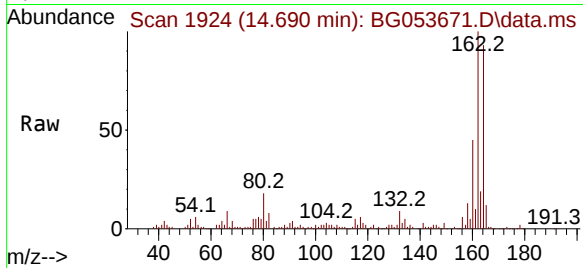




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.690 min Scan# 1924
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

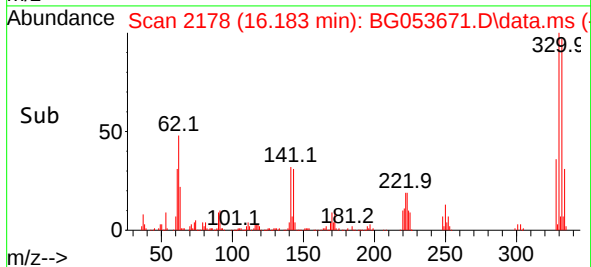
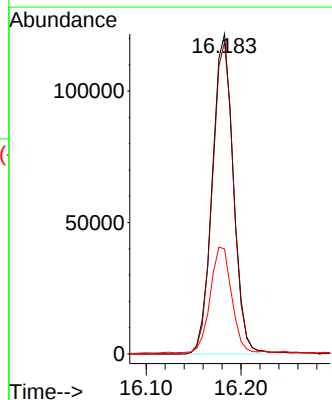
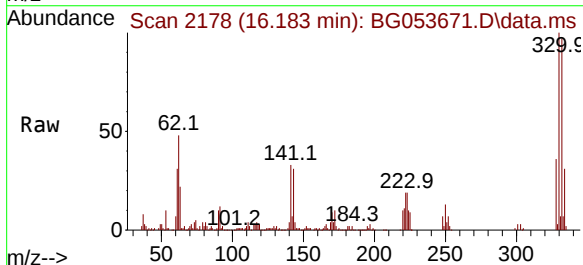
Instrument :
BNA_G
ClientSampleId :
MW-39

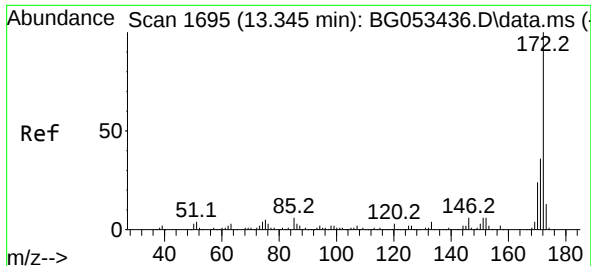
Tgt Ion:164 Resp: 86669
Ion Ratio Lower Upper
164 100
162 107.7 82.3 123.5
160 48.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 147.154 ng
RT: 16.183 min Scan# 2178
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:330 Resp: 188102
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 33.6 27.1 40.7

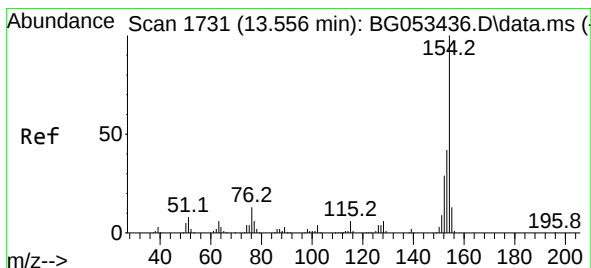
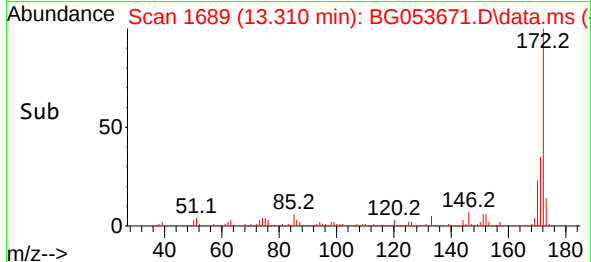
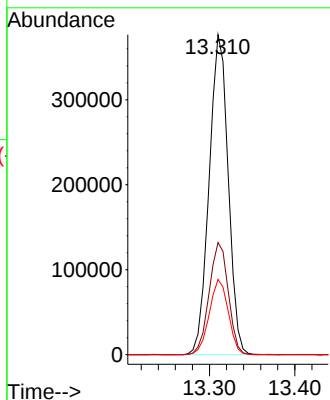
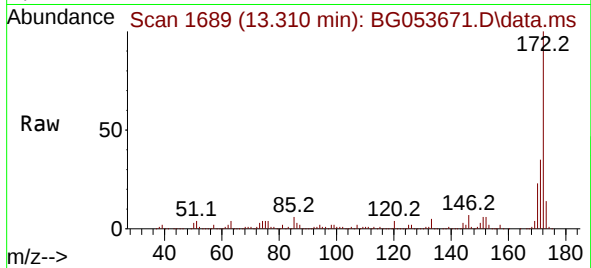




#45
2-Fluorobiphenyl
Concen: 98.753 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

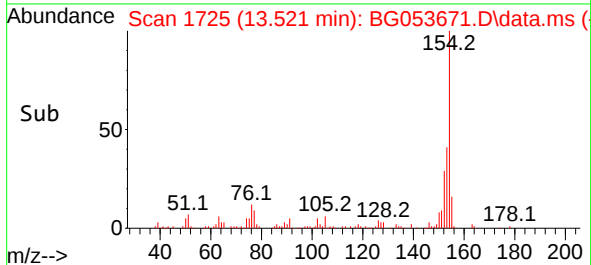
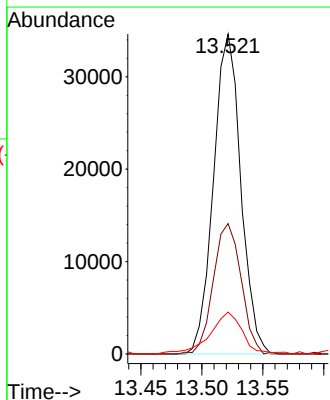
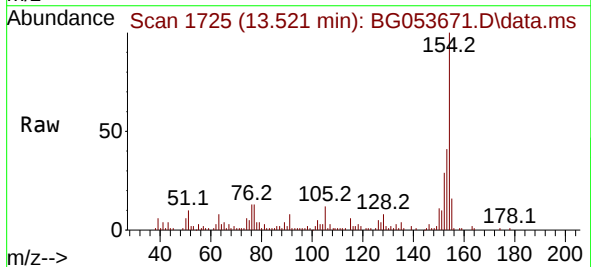
Instrument :
BNA_G
ClientSampleId :
MW-39

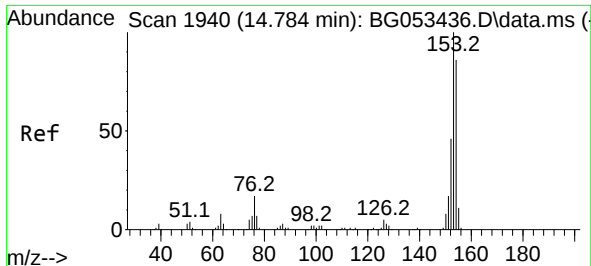
Tgt Ion:172 Resp: 585708
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.5 18.9 28.3



#46
1,1'-Biphenyl
Concen: 9.115 ng
RT: 13.521 min Scan# 1725
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:154 Resp: 53846
Ion Ratio Lower Upper
154 100
153 40.8 21.6 61.6
76 13.1 0.0 32.6

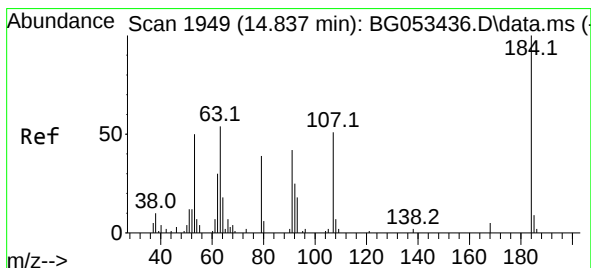
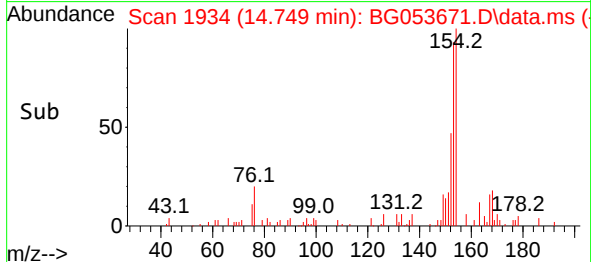
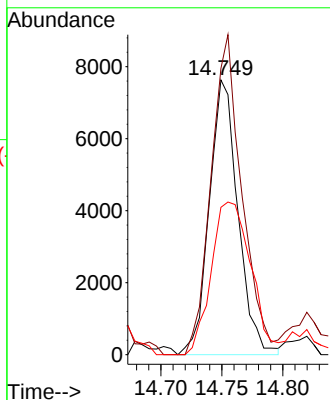
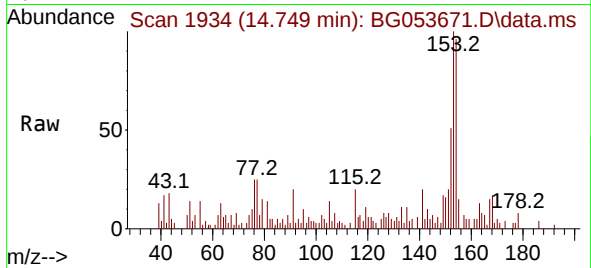




#52
Acenaphthene
Concen: 2.838 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

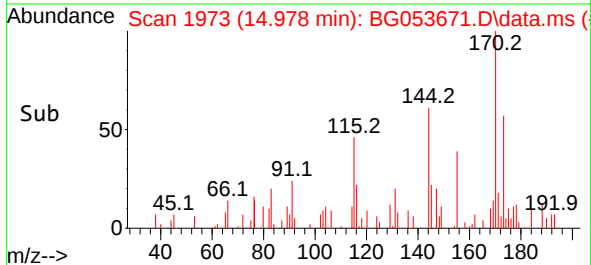
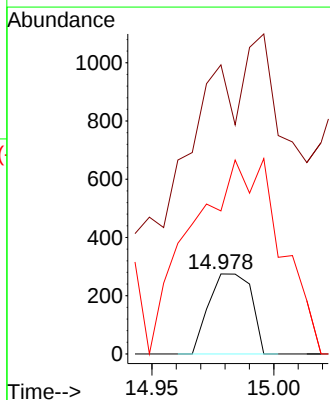
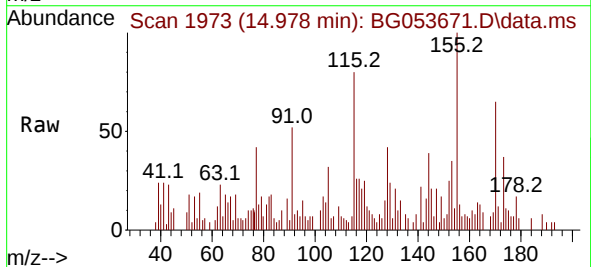
Instrument :
BNA_G
ClientSampleId :
MW-39

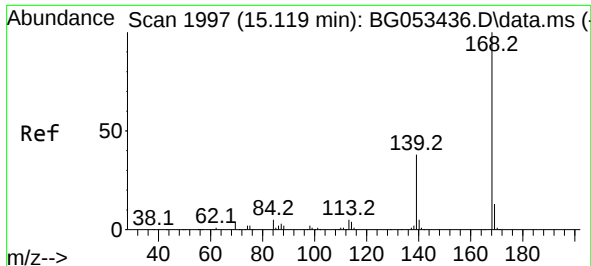
Tgt Ion:154 Resp: 12493
Ion Ratio Lower Upper
154 100
153 104.2 92.7 139.1
152 53.6 42.6 64.0



#54
2,4-Dinitrophenol
Concen: 6.604 ng
RT: 14.978 min Scan# 1973
Delta R.T. 0.159 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:184 Resp: 332
Ion Ratio Lower Upper
184 100
63 361.1 61.1 91.7#
154 178.5 60.6 91.0#

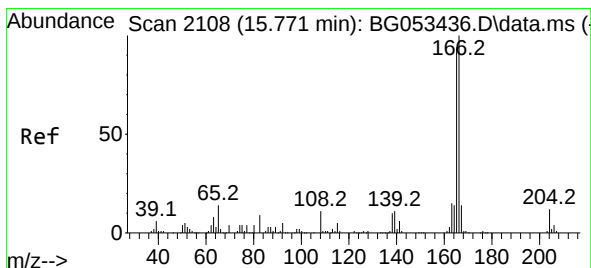
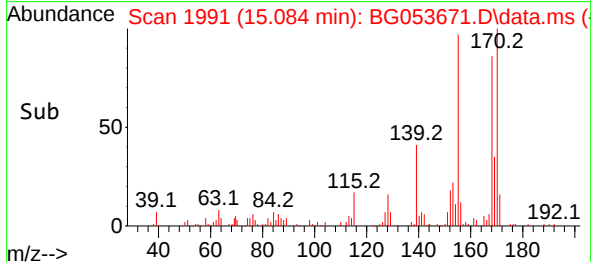
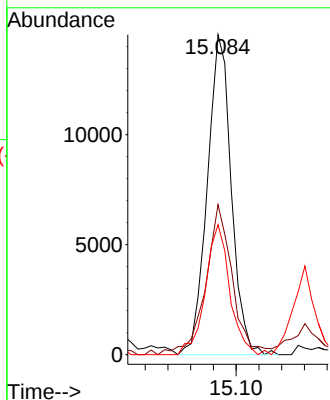
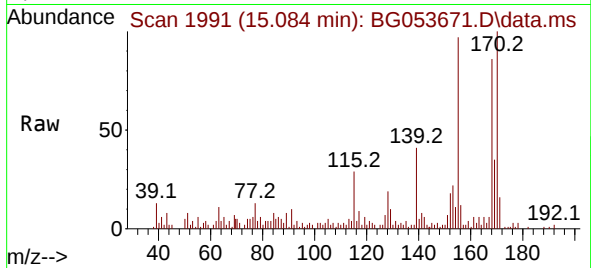




#55
Dibenzenofuran
Concen: 2.696 ng
RT: 15.084 min Scan# 1997
Delta R.T. -0.005 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

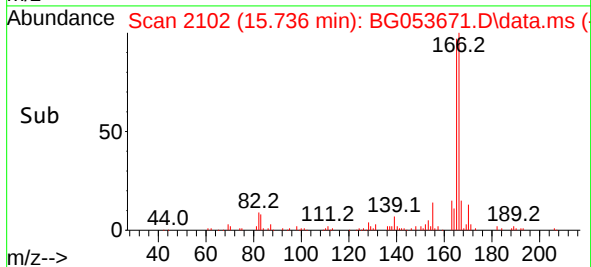
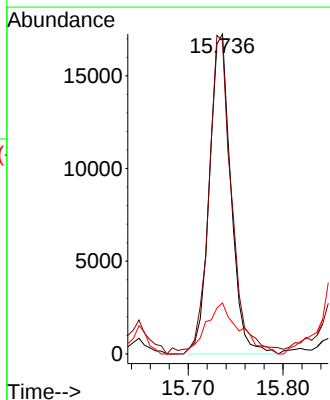
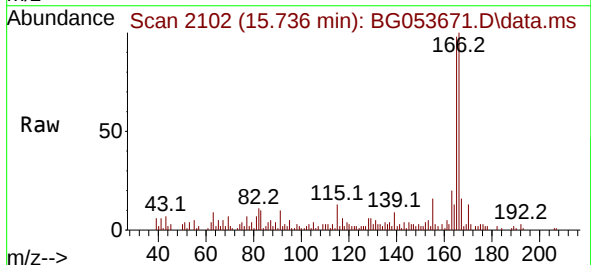
Instrument :
BNA_G
ClientSampleId :
MW-39

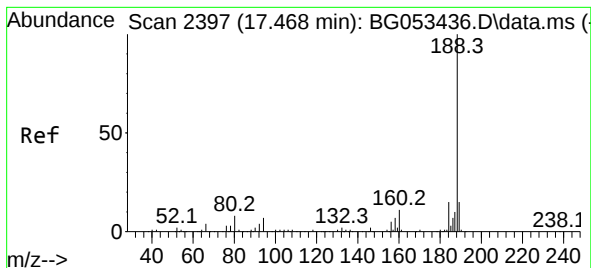
Tgt Ion:168 Resp: 21314
Ion Ratio Lower Upper
168 100
139 46.9 30.5 45.7#
169 40.6 10.3 15.5#



#58
Fluorene
Concen: 4.300 ng
RT: 15.736 min Scan# 2102
Delta R.T. 0.001 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:166 Resp: 27284
Ion Ratio Lower Upper
166 100
165 97.9 75.0 112.6
167 15.9 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.434 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

Instrument :

BNA_G

ClientSampleId :

MW-39

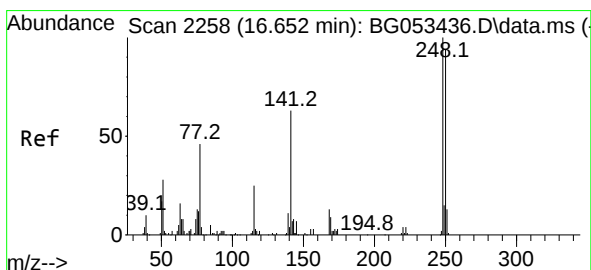
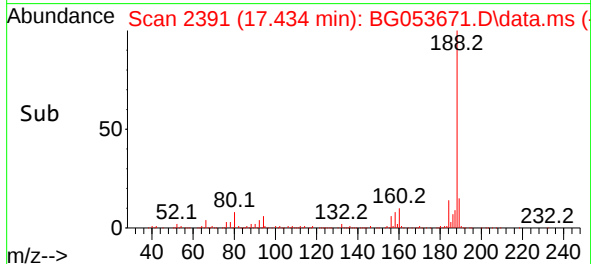
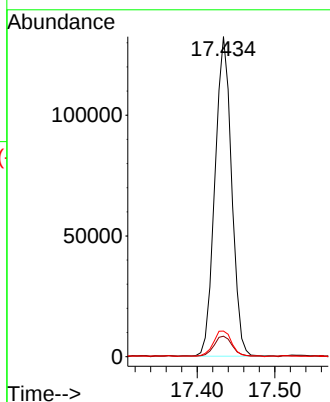
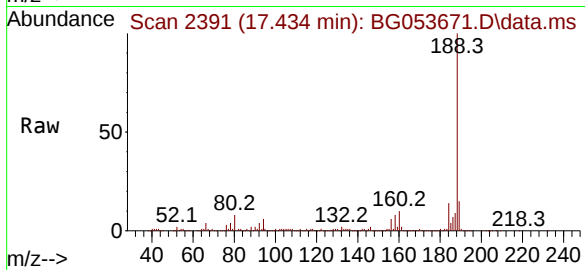
Tgt Ion:188 Resp: 197514

Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.0

80 8.0 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 5.395 ng

RT: 16.183 min Scan# 2178

Delta R.T. -0.434 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

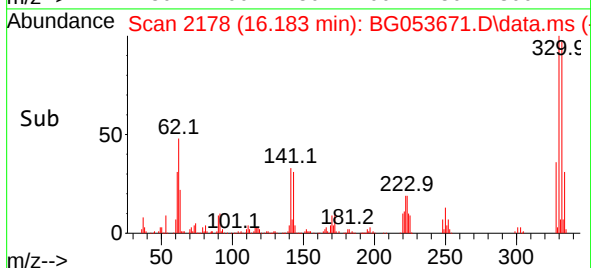
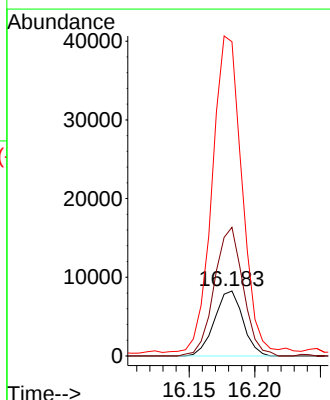
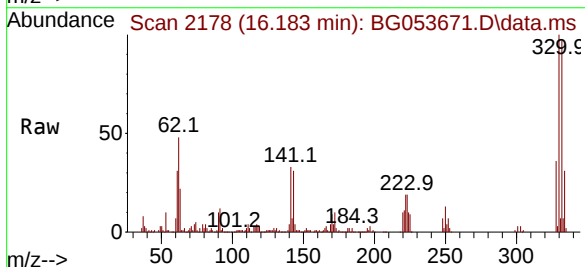
Tgt Ion:248 Resp: 12444

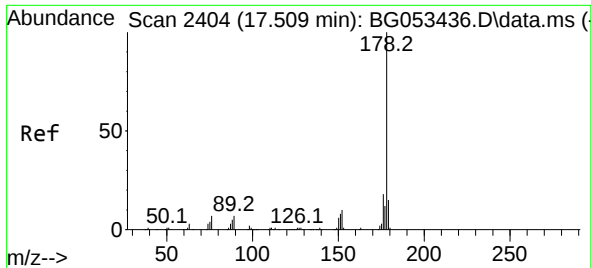
Ion Ratio Lower Upper

248 100

250 198.1 75.2 112.8#

141 484.3 50.0 75.0#

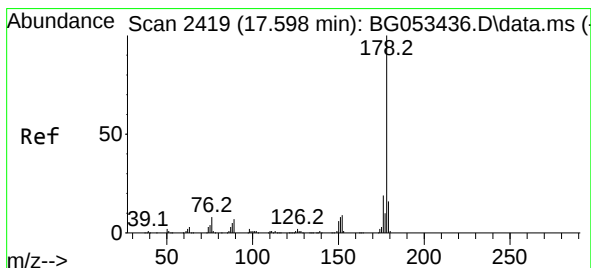
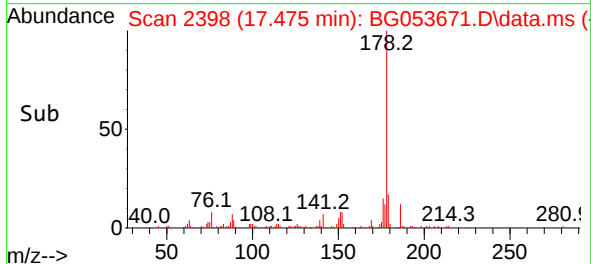
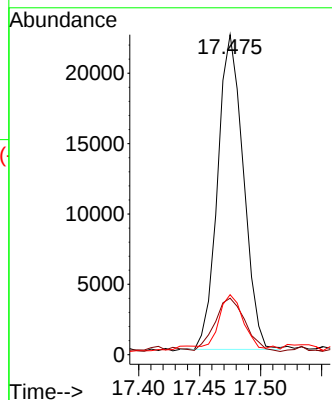
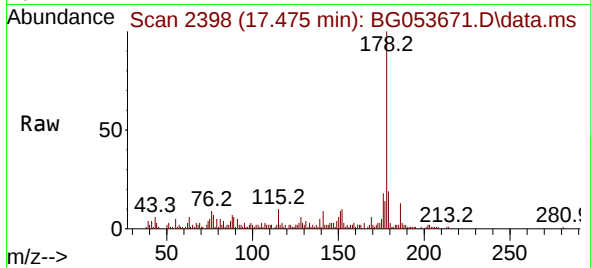




#71
Phenanthrene
Concen: 3.268 ng
RT: 17.475 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

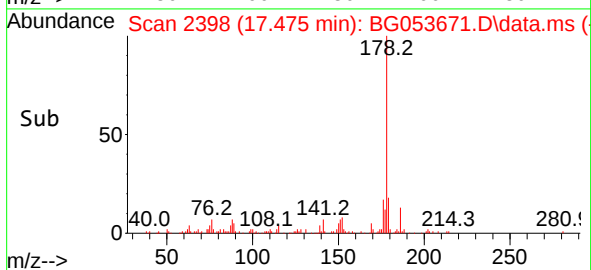
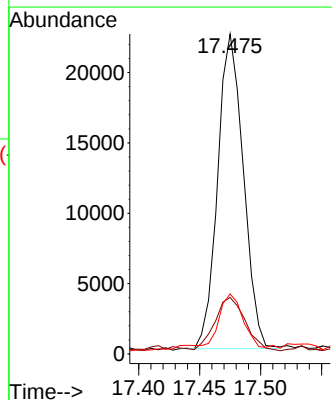
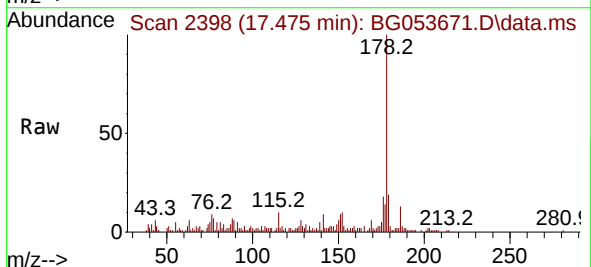
Instrument :
BNA_G
ClientSampleId :
MW-39

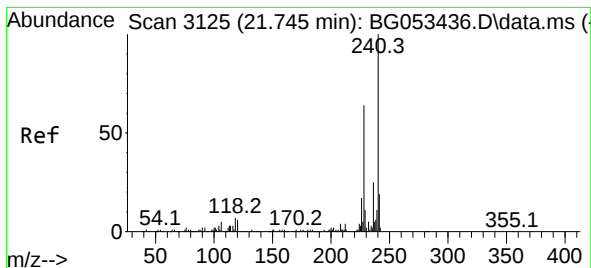
Tgt Ion:178 Resp: 32826
Ion Ratio Lower Upper
178 100
176 17.7 14.1 21.1
179 18.8 12.1 18.1#



#72
Anthracene
Concen: 3.325 ng
RT: 17.475 min Scan# 2398
Delta R.T. -0.093 min
Lab File: BG053671.D
Acq: 23 May 2022 19:29

Tgt Ion:178 Resp: 32826
Ion Ratio Lower Upper
178 100
176 17.7 15.2 22.8
179 18.8 13.0 19.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.710 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

Instrument :

BNA_G

ClientSampleId :

MW-39

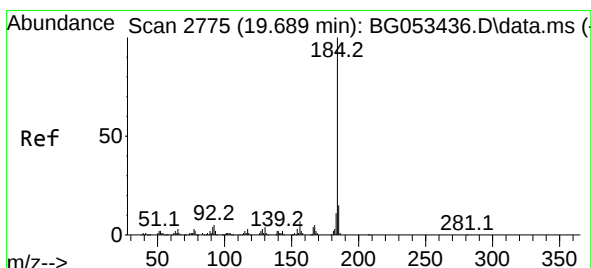
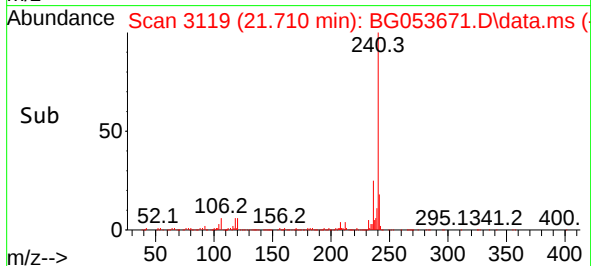
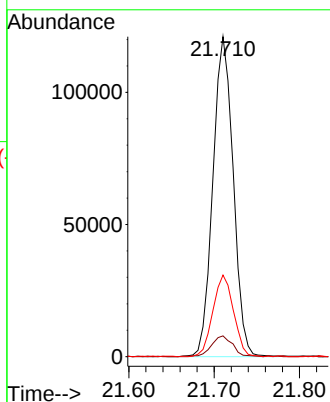
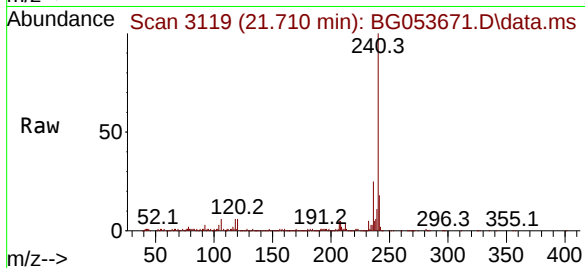
Tgt Ion:240 Resp: 200828

Ion Ratio Lower Upper

240 100

120 6.5 4.6 7.0

236 25.5 20.2 30.4



#77

Benzidine

Concen: 4.182 ng

RT: 20.042 min Scan# 2835

Delta R.T. 0.382 min

Lab File: BG053671.D

Acq: 23 May 2022 19:29

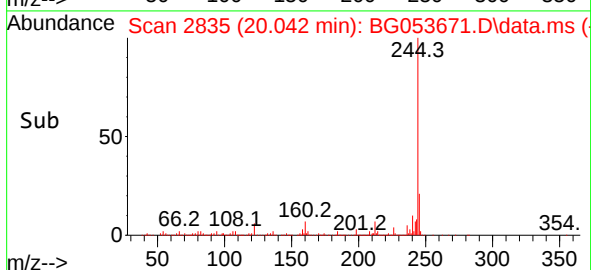
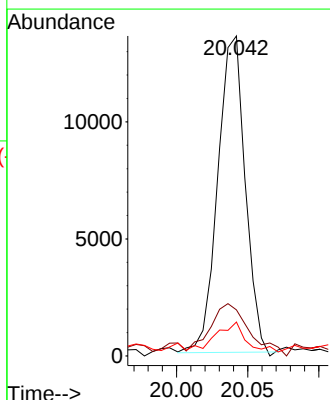
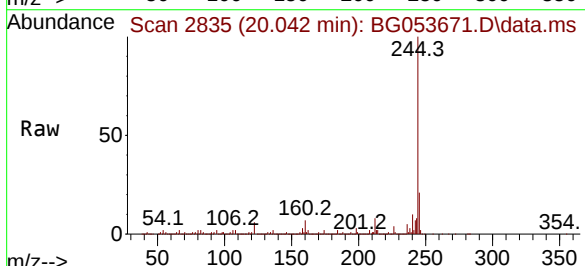
Tgt Ion:184 Resp: 18102

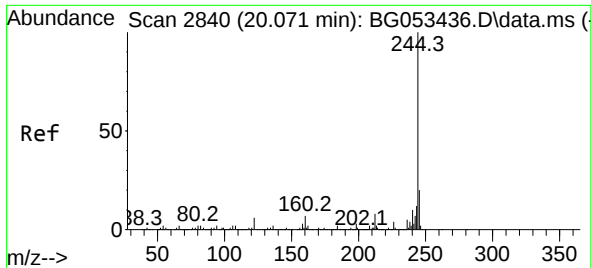
Ion Ratio Lower Upper

184 100

185 14.4 11.8 17.6

183 10.6 8.9 13.3

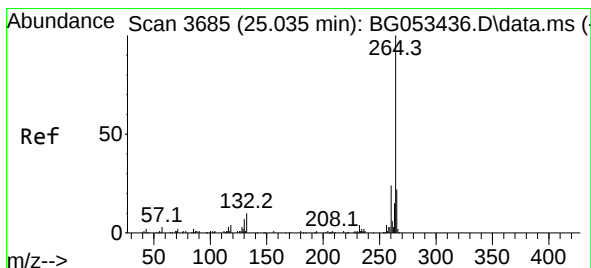
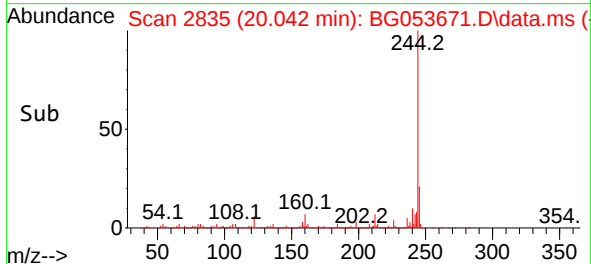
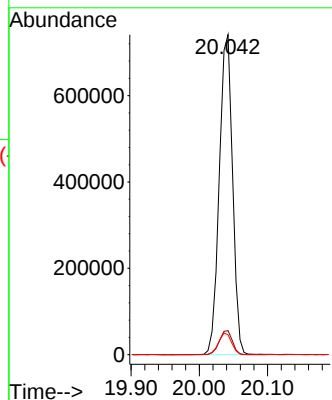
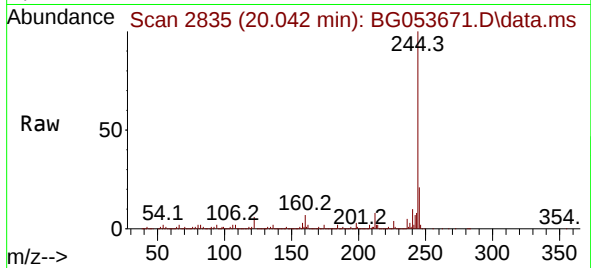




#79
 Terphenyl-d14
 Concen: 93.052 ng
 RT: 20.042 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053671.D
 Acq: 23 May 2022 19:29

Instrument :
 BNA_G
 ClientSampleId :
 MW-39

Tgt Ion:244 Resp: 1003366
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 6.2 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.977 min Scan# 3675
 Delta R.T. -0.005 min
 Lab File: BG053671.D
 Acq: 23 May 2022 19:29

Tgt Ion:264 Resp: 204222
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.6
 265 22.8 17.4 26.2

