

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053738.D
 Acq On : 27 May 2022 18:12
 Operator : CG/JU
 Sample : N3067-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 33686

Quant Time: May 28 01:59:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	26947	20.000	ng	-0.03
21) Naphthalene-d8	10.761	136	113933	20.000	ng	-0.04
39) Acenaphthene-d10	14.591	164	75476	20.000	ng	-0.03
64) Phenanthrene-d10	17.346	188	146018	20.000	ng	-0.03
76) Chrysene-d12	21.616	240	145559	20.000	ng	-0.02
86) Perylene-d12	24.824	264	142969	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	147044	92.609	ng	-0.03
7) Phenol-d6	7.142	99	216400	89.803	ng	-0.02
23) Nitrobenzene-d5	9.122	82	139436	52.097	ng	-0.03
42) 2,4,6-Tribromophenol	16.100	330	82952	74.518	ng	-0.02
45) 2-Fluorobiphenyl	13.216	172	277232	53.674	ng	-0.03
79) Terphenyl-d14	19.960	244	423064	54.132	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.171	94	5259	2.231	ng	# 66
16) 2,2'-oxybis(1-Chloropr...	8.334	45	385438	134.733	ng	71
19) n-Nitroso-di-n-propyla...	8.969	70	10191	5.894	ng	# 61
51) 2,6-Dinitrotoluene	14.127	165	2902	2.484	ng	# 29
54) 2,4-Dinitrophenol	15.102	184	61	6.320	ng	# 1
57) 2,4-Dinitrotoluene	14.596	165	10019	5.915	ng	# 28
63) Azobenzene	15.983	77	35401	5.835	ng	# 53
67) 4-Bromophenyl-phenylether	16.100	248	5141	3.015	ng	# 1
69) Atrazine	16.817	200	3759	2.329	ng	91
71) Phenanthrene	17.387	178	37324	5.027	ng	98
75) Fluoranthene	19.402	202	31713	3.299	ng	# 54
78) Pyrene	19.766	202	56390	5.984	ng	98
81) Benzo(a)anthracene	21.599	228	22562	2.430	ng	93
83) Chrysene	21.599	228	22562	2.602	ng	95
84) Bis(2-ethylhexyl)phtha...	21.493	149	98846	20.726	ng	99
85) Di-n-octyl phthalate	22.644	149	263372	32.658	ng	# 54
88) Benzo(b)fluoranthene	23.802	252	18279	2.160	ng	# 82
89) Benzo(k)fluoranthene	23.802	252	18279	2.198	ng	# 81
90) Benzo(a)pyrene	24.671	252	19846	2.755	ng	# 86

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

Instrument :

BNA G

ClientSampleId :

33686

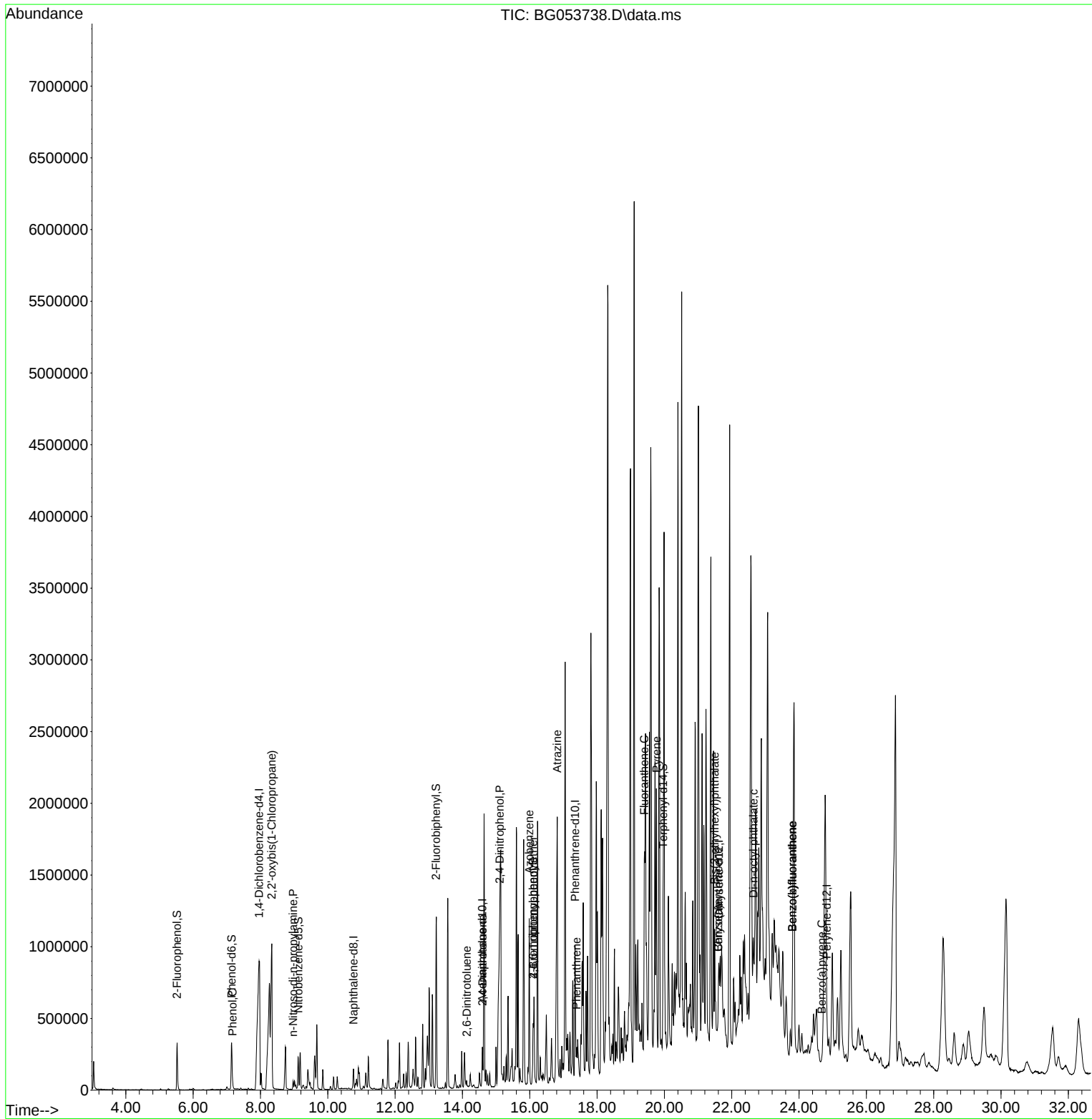
Quant Time: May 28 01:59:01 2022

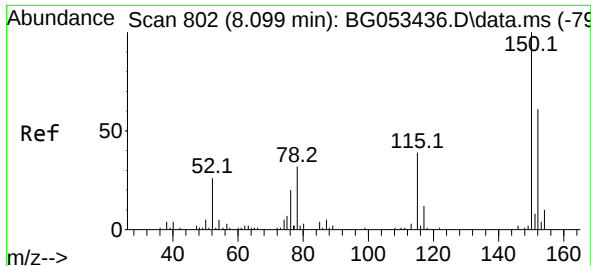
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed May 25 15:11:41 2022

Response via : Initial Calibration

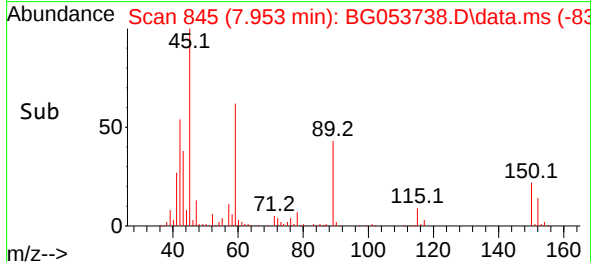
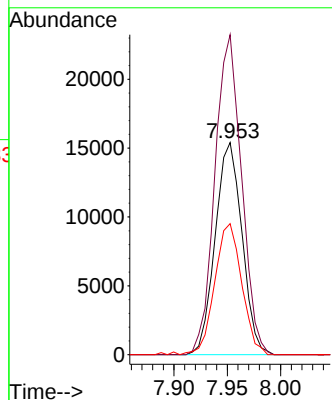
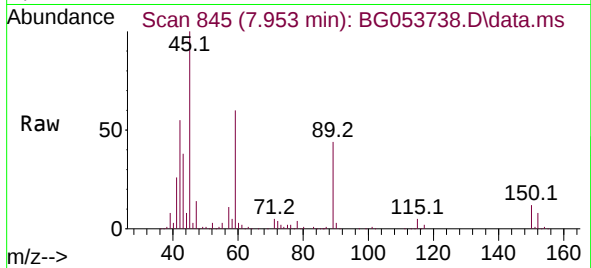




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 84
Delta R.T. -0.033 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

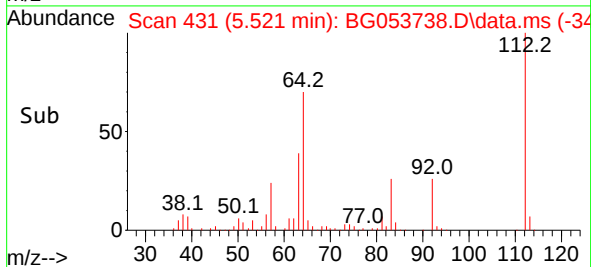
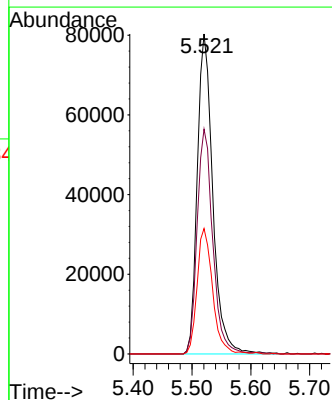
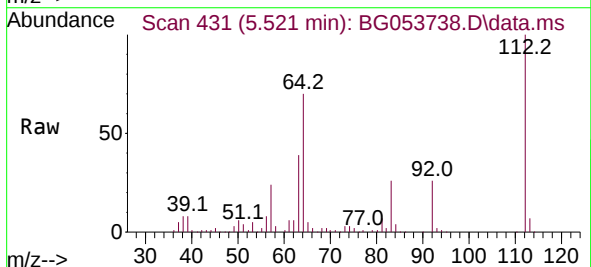
Instrument :
BNA_G
ClientSampleId :
33686

Tgt Ion:152 Resp: 26947
Ion Ratio Lower Upper
152 100
150 150.8 131.6 197.4
115 61.8 50.9 76.3



#5
2-Fluorophenol
Concen: 92.609 ng
RT: 5.521 min Scan# 431
Delta R.T. -0.034 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Tgt Ion:112 Resp: 147044
Ion Ratio Lower Upper
112 100
64 70.3 55.1 82.7
63 39.2 30.4 45.6

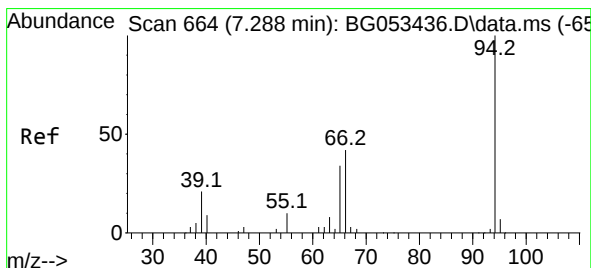
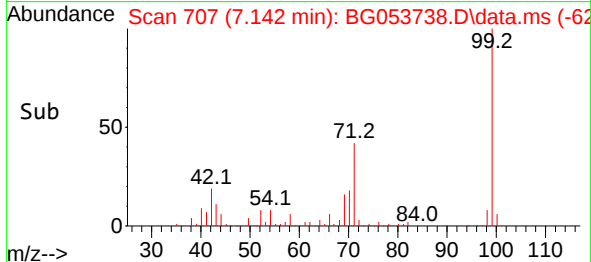
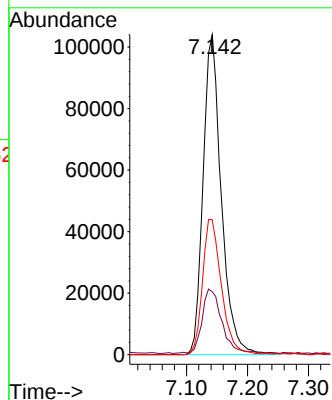
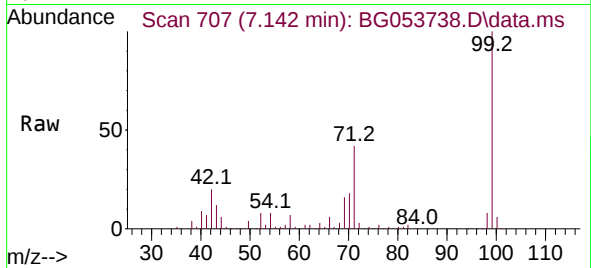




#7
Phenol-d6
Concen: 89.803 ng
RT: 7.142 min Scan# 707
Delta R.T. -0.022 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

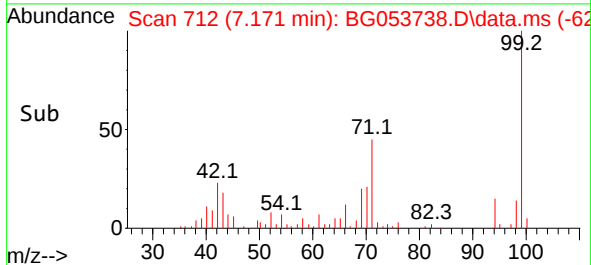
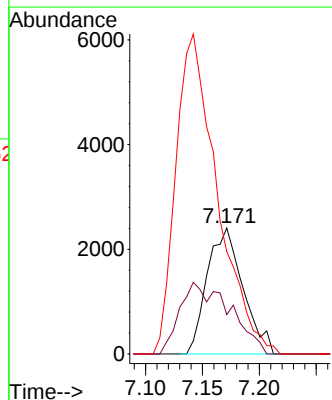
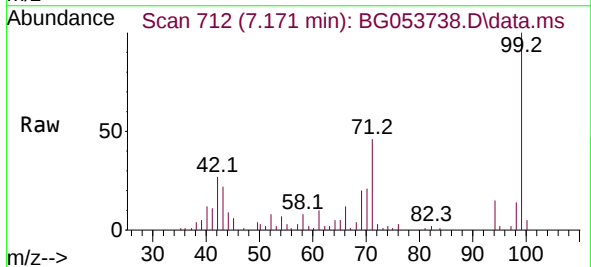
Instrument :
BNA_G
ClientSampleId :
33686

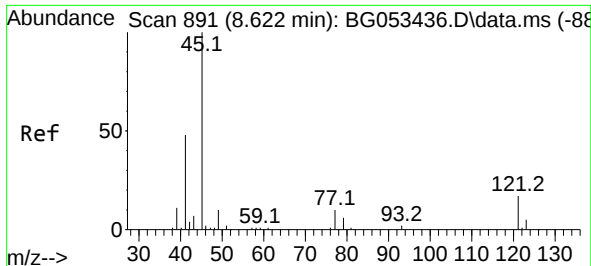
Tgt Ion: 99 Resp: 216400
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.6
71 42.2 33.8 50.8



#10
Phenol
Concen: 2.231 ng
RT: 7.171 min Scan# 712
Delta R.T. -0.016 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Tgt Ion: 94 Resp: 5259
Ion Ratio Lower Upper
94 100
65 31.3 14.8 54.8
66 81.4 25.2 65.2#

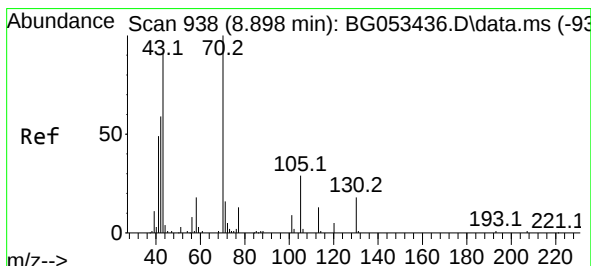
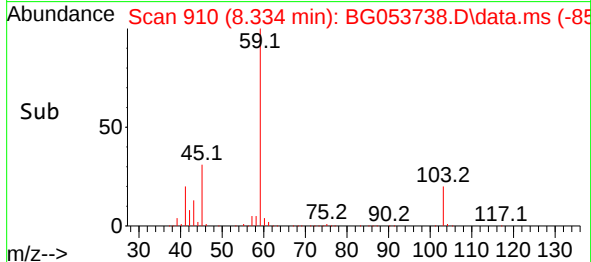
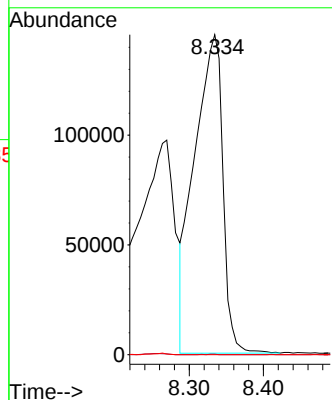
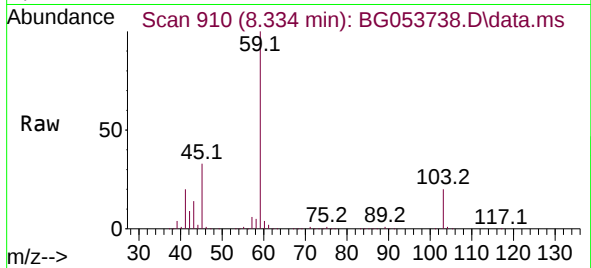




#16
2,2'-oxybis(1-Chloropropane)
Concen: 134.733 ng
RT: 8.334 min Scan# 91
Delta R.T. -0.186 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

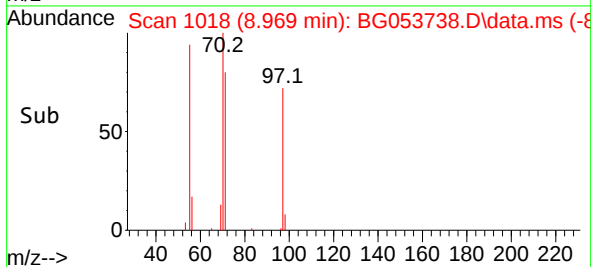
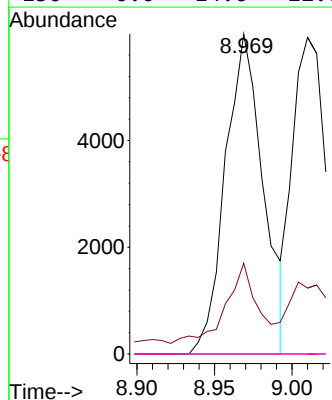
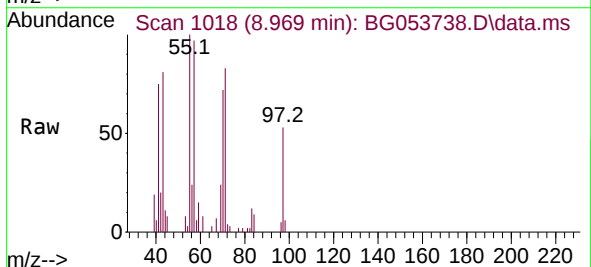
Instrument :
BNA_G
ClientSampleId :
33686

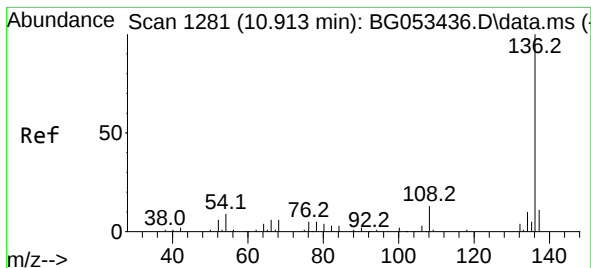
Tgt Ion: 45 Resp: 385438
Ion Ratio Lower Upper
45 100
77 0.1 0.0 32.7
79 0.0 0.0 29.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.894 ng
RT: 8.969 min Scan# 1018
Delta R.T. 0.172 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Tgt Ion: 70 Resp: 10191
Ion Ratio Lower Upper
70 100
42 28.4 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.761 min Scan# 11

Delta R.T. -0.040 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

Instrument :

BNA_G

ClientSampleId :

33686

Tgt Ion:136 Resp: 113933

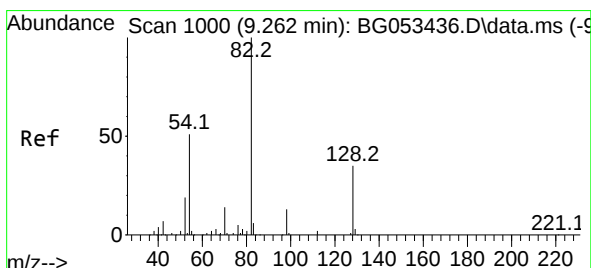
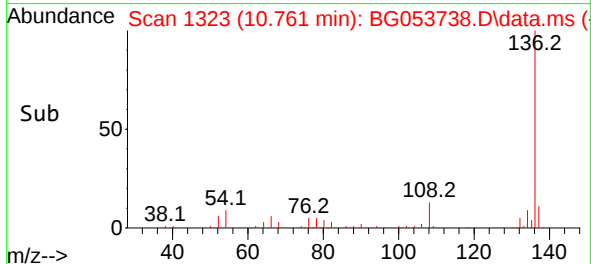
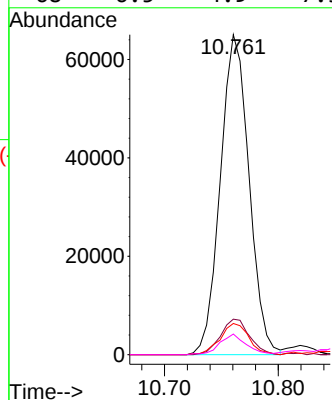
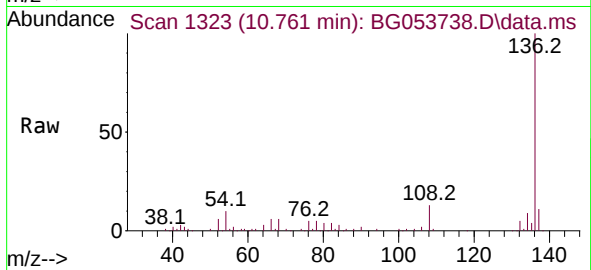
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.7 7.4 11.2

68 6.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.097 ng

RT: 9.122 min Scan# 1044

Delta R.T. -0.034 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

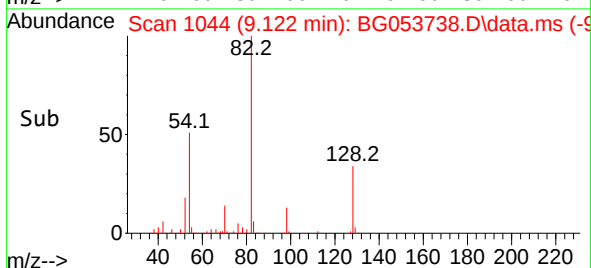
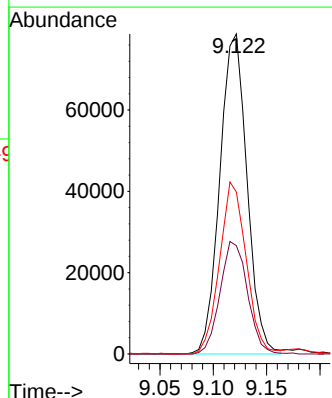
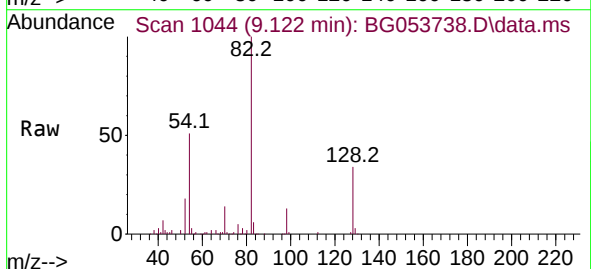
Tgt Ion: 82 Resp: 139436

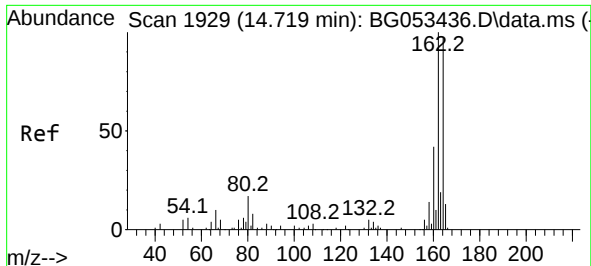
Ion Ratio Lower Upper

82 100

128 33.9 27.9 41.9

54 50.6 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.591 min Scan# 1

Delta R.T. -0.034 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

Instrument :

BNA_G

ClientSampleId :

33686

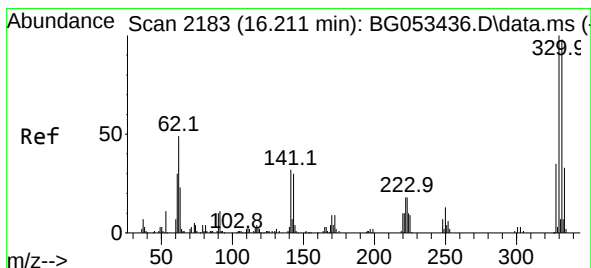
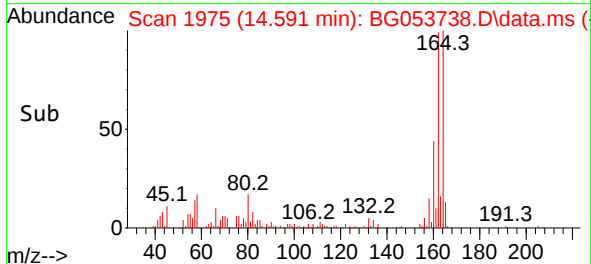
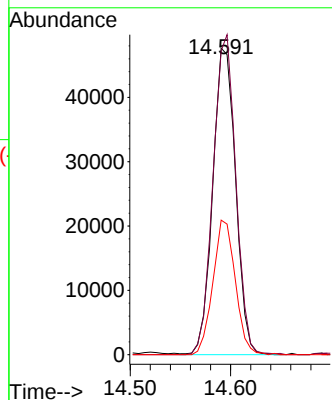
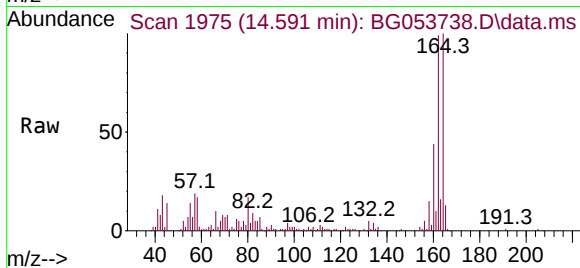
Tgt Ion:164 Resp: 75476

Ion Ratio Lower Upper

164 100

162 99.1 82.3 123.5

160 43.9 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 74.518 ng

RT: 16.100 min Scan# 2232

Delta R.T. -0.016 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

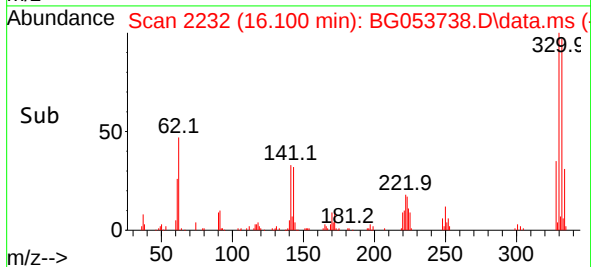
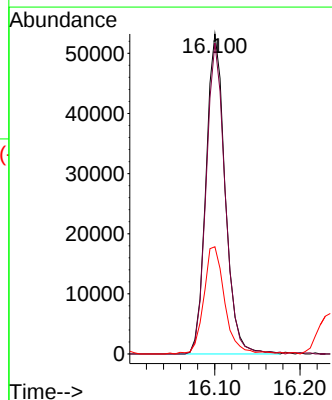
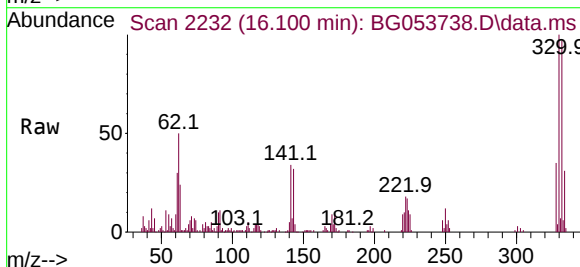
Tgt Ion:330 Resp: 82952

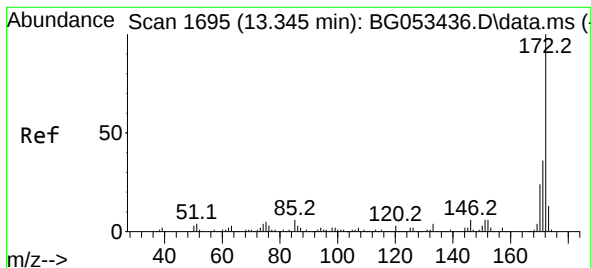
Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

141 36.9 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 53.674 ng

RT: 13.216 min Scan# 1

Delta R.T. -0.028 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

Instrument :

BNA_G

ClientSampleId :

33686

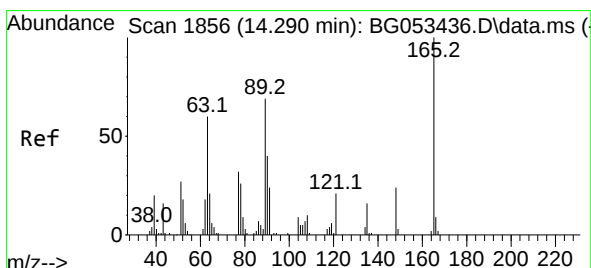
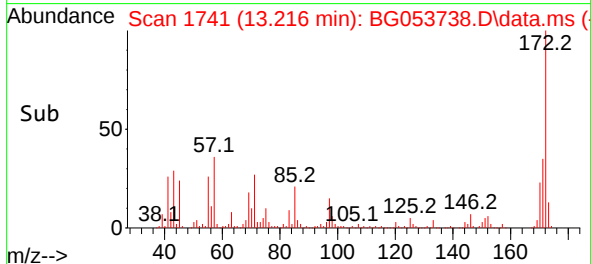
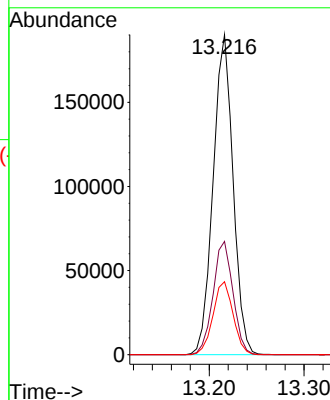
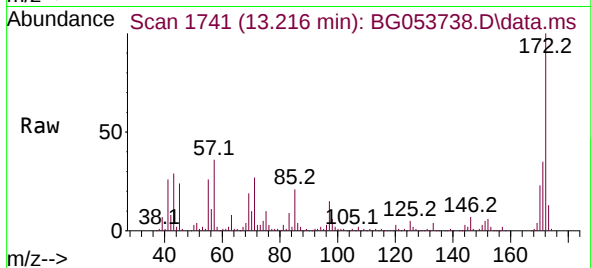
Tgt Ion:172 Resp: 277232

Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 22.8 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 2.484 ng

RT: 14.127 min Scan# 1896

Delta R.T. -0.075 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

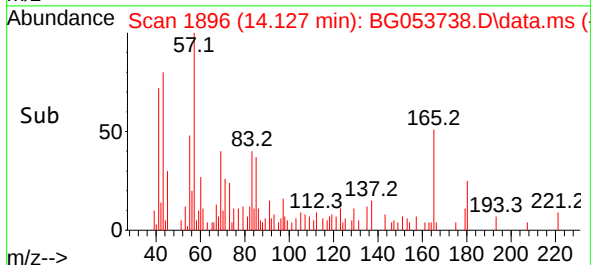
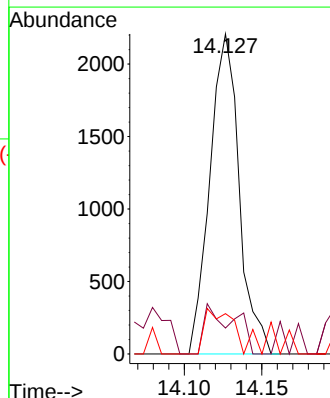
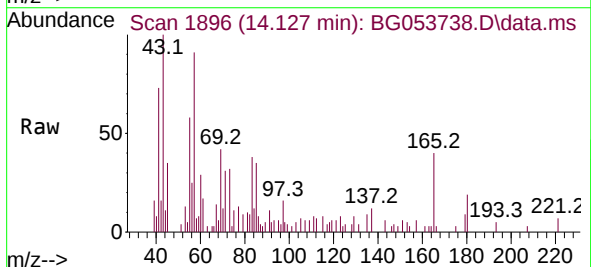
Tgt Ion:165 Resp: 2902

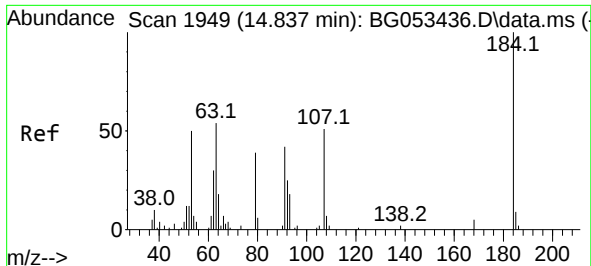
Ion Ratio Lower Upper

165 100

63 8.1 54.1 81.1#

89 12.6 54.8 82.2#

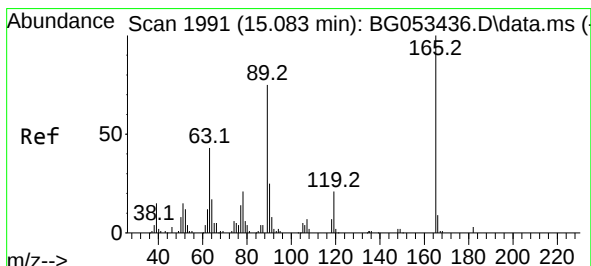
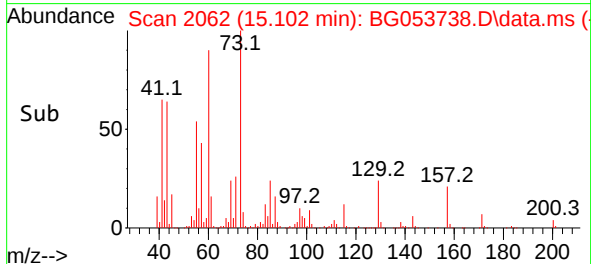
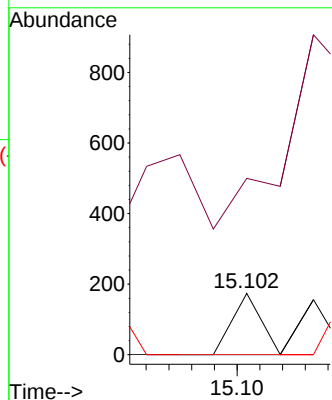
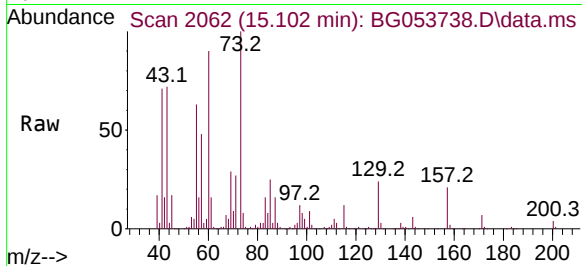




#54
2,4-Dinitrophenol
Concen: 6.320 ng
RT: 15.102 min Scan# 20
Delta R.T. 0.348 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

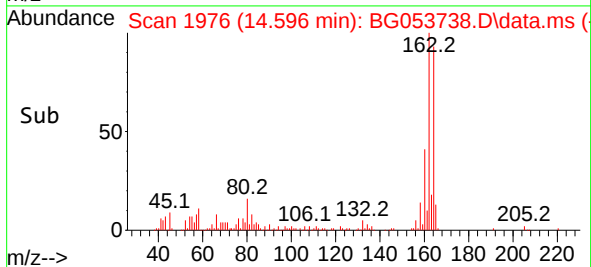
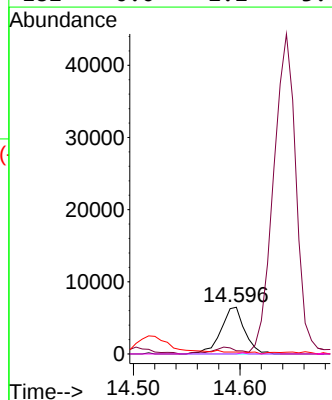
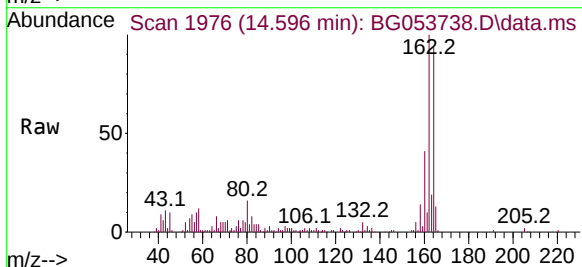
Instrument :
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33686

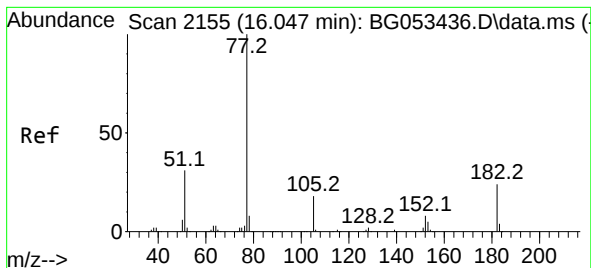
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 287.4 61.1 91.7#
154 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 5.915 ng
RT: 14.596 min Scan# 1976
Delta R.T. -0.398 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Tgt Ion:165 Resp: 10019
Ion Ratio Lower Upper
165 100
63 6.9 34.6 52.0#
89 4.2 60.3 90.5#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 5.835 ng

RT: 15.983 min Scan# 2155

Delta R.T. 0.031 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

Instrument :

BNA_G

ClientSampleId :

33686

Tgt Ion: 77 Resp: 35401

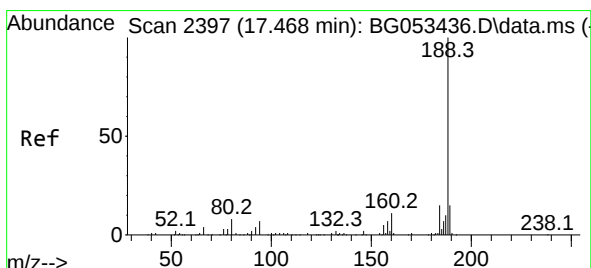
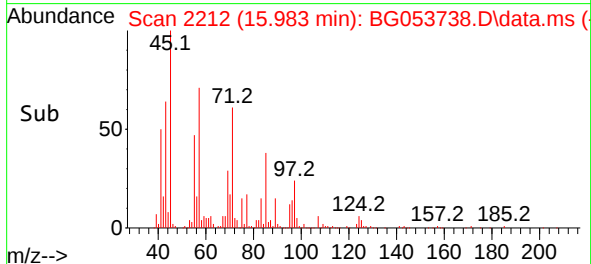
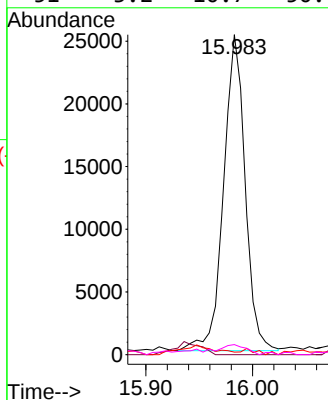
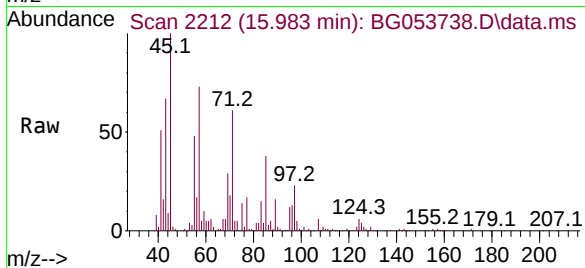
Ion Ratio Lower Upper

77 100

182 0.0 3.8 43.8#

105 0.8 0.0 37.8

51 3.2 10.7 50.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.346 min Scan# 2444

Delta R.T. -0.028 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

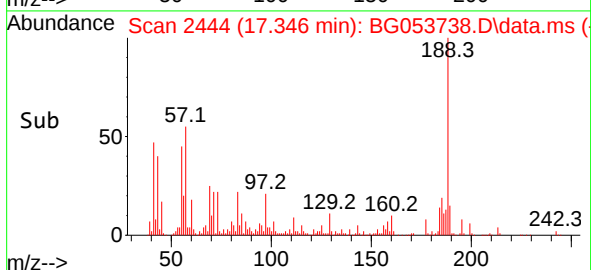
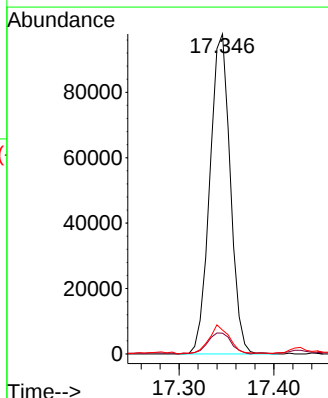
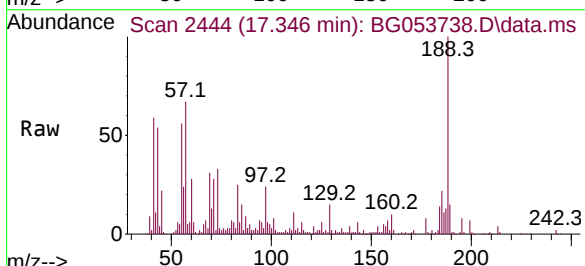
Tgt Ion: 188 Resp: 146018

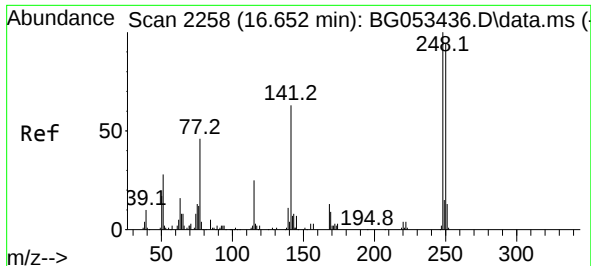
Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.0

80 7.4 6.8 10.2

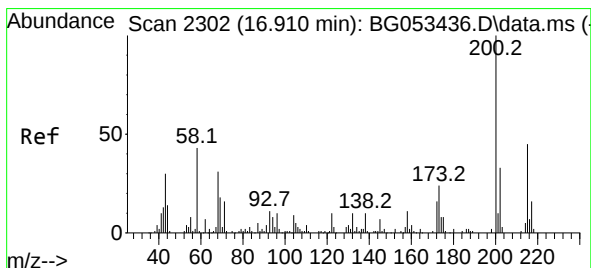
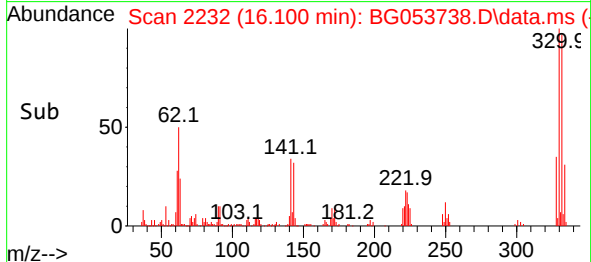
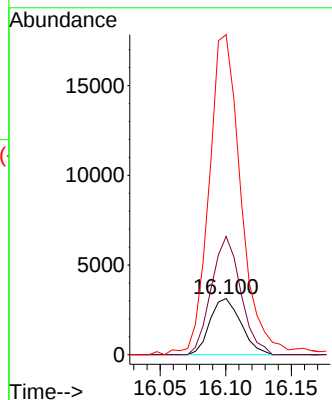
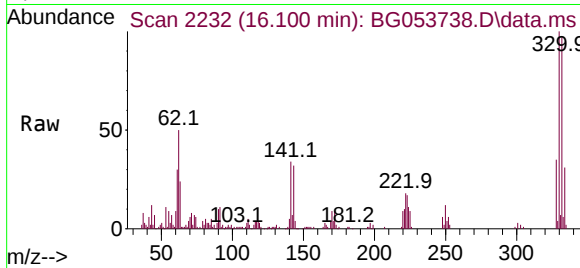




#67
4-Bromophenyl-phenylether
Concen: 3.015 ng
RT: 16.100 min Scan# 21
Delta R.T. -0.451 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

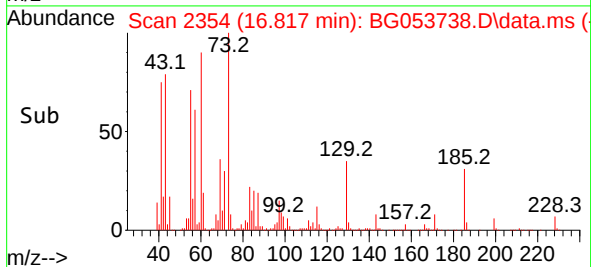
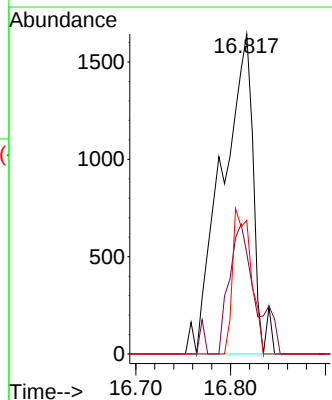
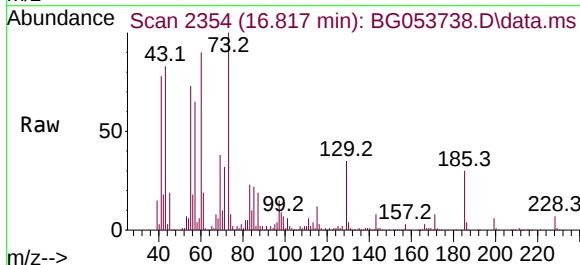
Instrument :
BNA_G
ClientSampleId :
33686

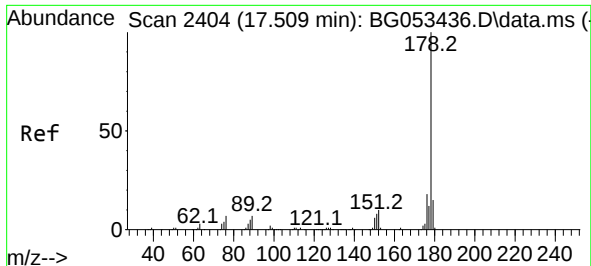
Tgt Ion:248 Resp: 5141
Ion Ratio Lower Upper
248 100
250 210.3 75.2 112.8#
141 569.2 50.0 75.0#



#69
Atrazine
Concen: 2.329 ng
RT: 16.817 min Scan# 2354
Delta R.T. -0.004 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Tgt Ion:200 Resp: 3759
Ion Ratio Lower Upper
200 100
173 31.4 3.7 43.7
215 41.8 25.2 65.2

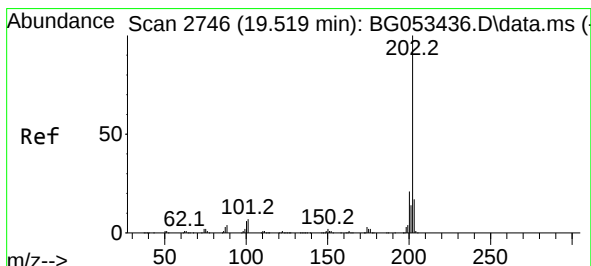
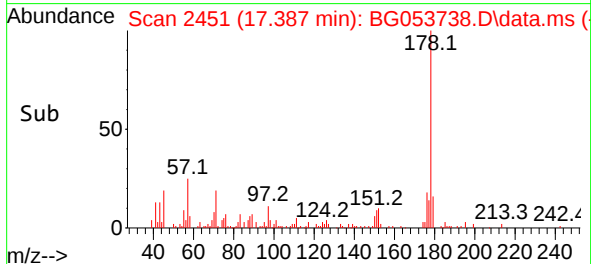
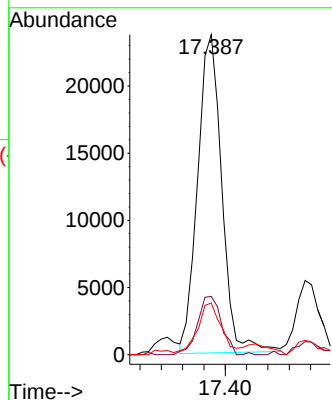
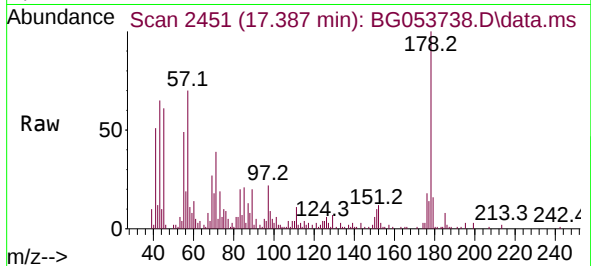




#71
Phenanthrene
Concen: 5.027 ng
RT: 17.387 min Scan# 2404
Delta R.T. -0.028 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

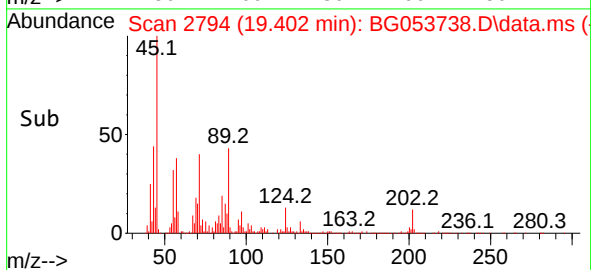
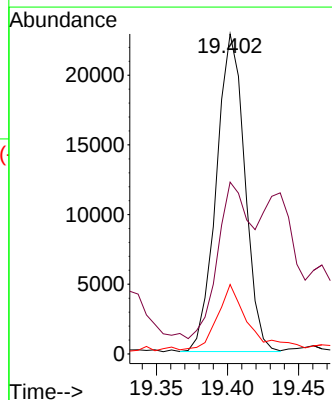
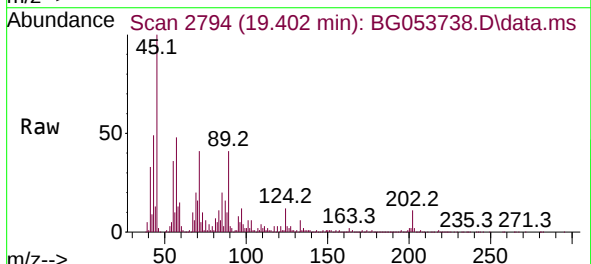
Instrument :
BNA_G
ClientSampleId :
33686

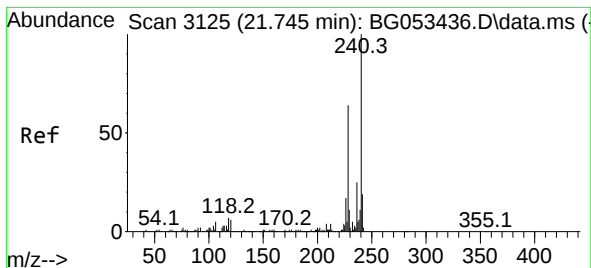
Tgt Ion:178 Resp: 37324
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 16.2 12.1 18.1



#75
Fluoranthene
Concen: 3.299 ng
RT: 19.402 min Scan# 2794
Delta R.T. -0.022 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Tgt Ion:202 Resp: 31713
Ion Ratio Lower Upper
202 100
101 53.7 0.0 26.9#
203 21.7 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 31

Delta R.T. -0.022 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

Instrument :

BNA_G

ClientSampleId :

33686

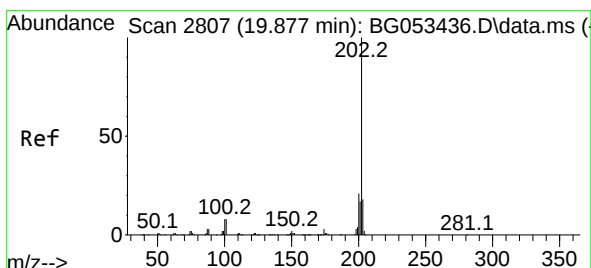
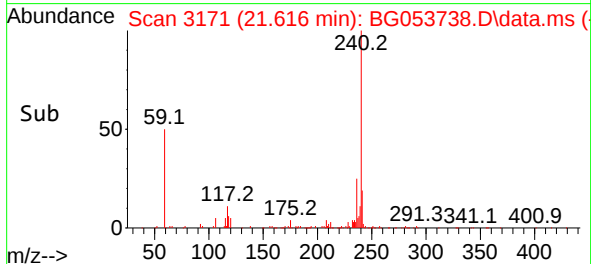
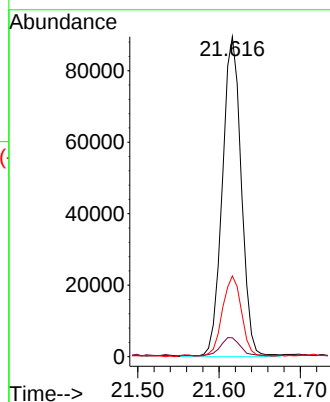
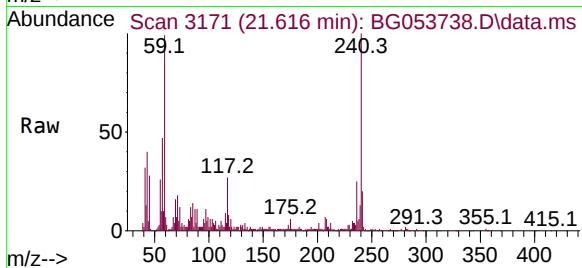
Tgt Ion:240 Resp: 145559

Ion Ratio Lower Upper

240 100

120 5.9 4.6 7.0

236 25.3 20.2 30.4



#78

Pyrene

Concen: 5.984 ng

RT: 19.766 min Scan# 2856

Delta R.T. -0.022 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

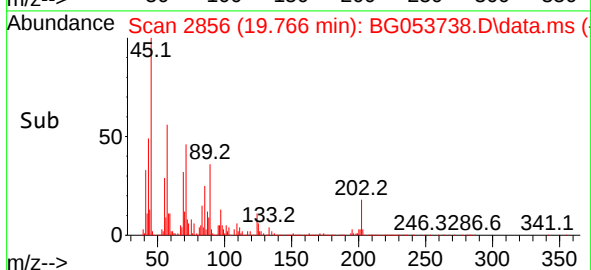
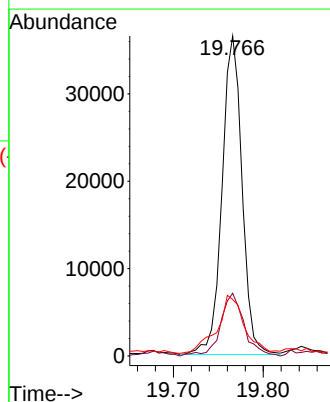
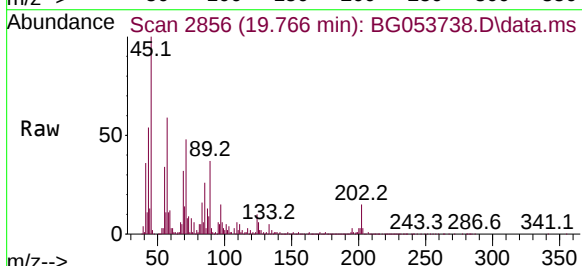
Tgt Ion:202 Resp: 56390

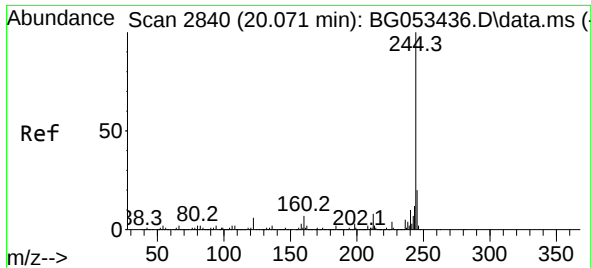
Ion Ratio Lower Upper

202 100

200 19.6 16.6 24.8

203 17.7 14.6 21.8

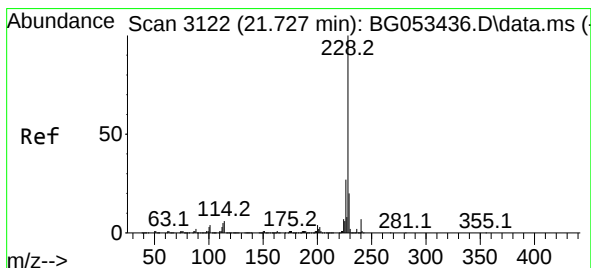
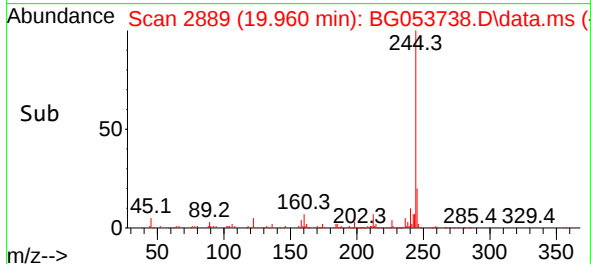
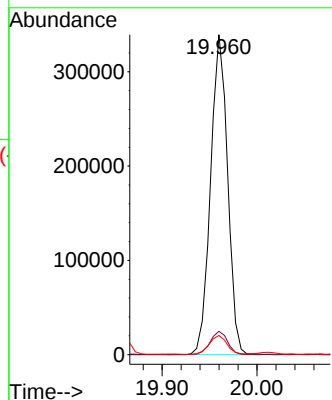
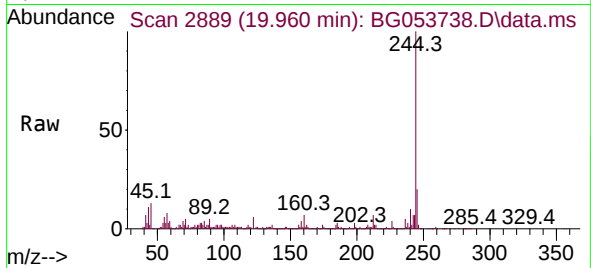




#79
 Terphenyl-d14
 Concen: 54.132 ng
 RT: 19.960 min Scan# 21
 Delta R.T. -0.016 min
 Lab File: BG053738.D
 Acq: 27 May 2022 18:12

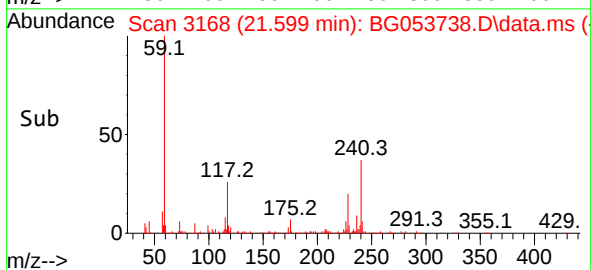
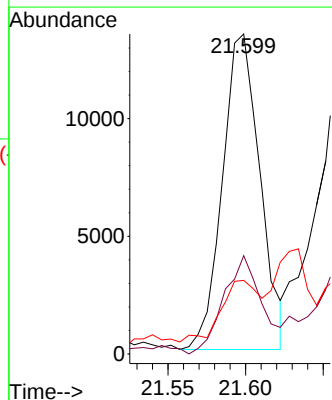
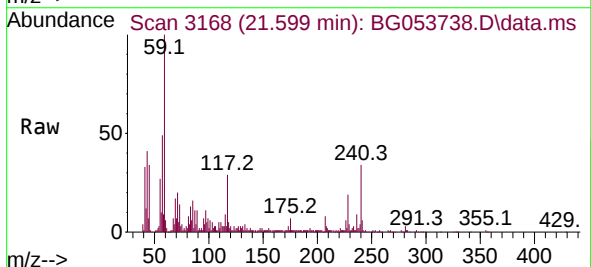
Instrument :
 BNA_G
 ClientSampleId :
 33686

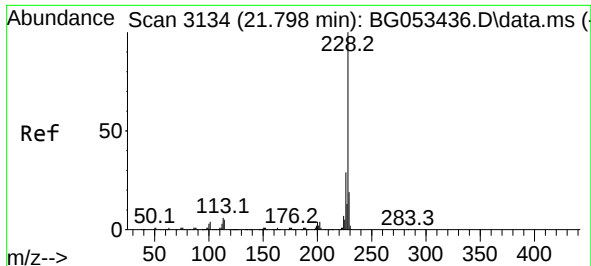
Tgt Ion:244 Resp: 423064
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 6.0 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 2.430 ng
 RT: 21.599 min Scan# 3168
 Delta R.T. -0.016 min
 Lab File: BG053738.D
 Acq: 27 May 2022 18:12

Tgt Ion:228 Resp: 22562
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 23.0 16.2 24.2

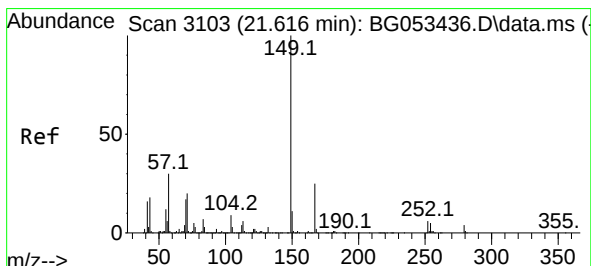
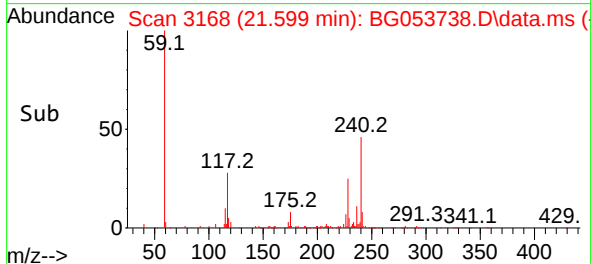
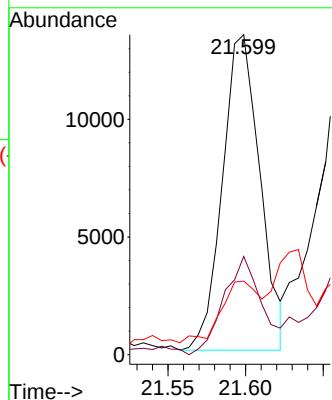
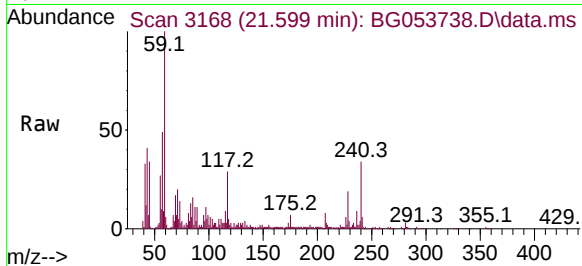




#83
 Chrysene
 Concen: 2.602 ng
 RT: 21.599 min Scan# 3116
 Delta R.T. -0.087 min
 Lab File: BG053738.D
 Acq: 27 May 2022 18:12

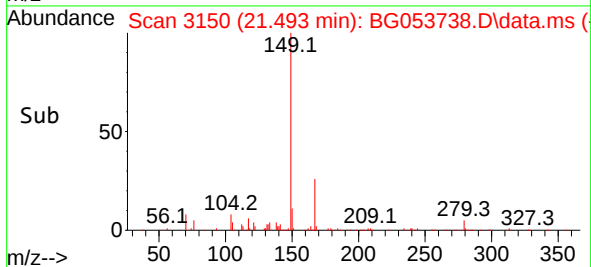
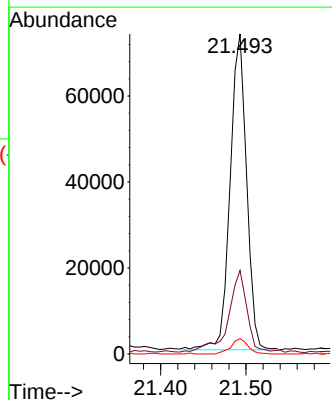
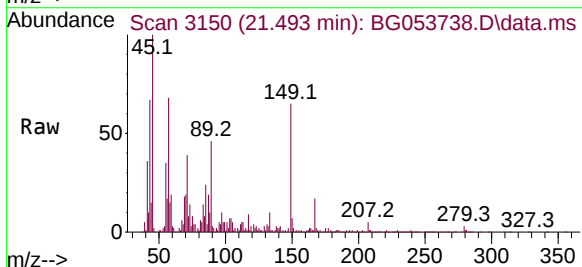
Instrument :
 BNA_G
 ClientSampleId :
 33686

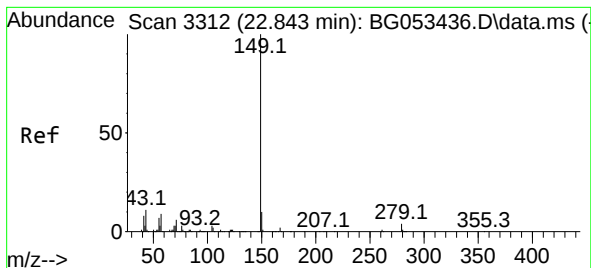
Tgt Ion:228 Resp: 22562
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.2
 229 23.0 15.5 23.3



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 20.726 ng
 RT: 21.493 min Scan# 3150
 Delta R.T. -0.016 min
 Lab File: BG053738.D
 Acq: 27 May 2022 18:12

Tgt Ion:149 Resp: 98846
 Ion Ratio Lower Upper
 149 100
 167 26.1 20.2 30.4
 279 4.8 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 32.658 ng

RT: 22.644 min Scan# 31

Delta R.T. -0.063 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

Instrument :

BNA_G

ClientSampleId :

33686

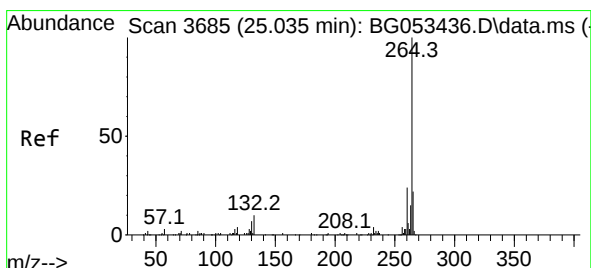
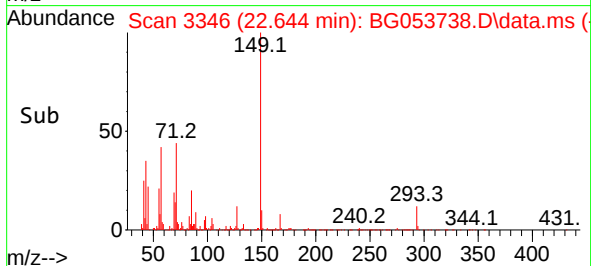
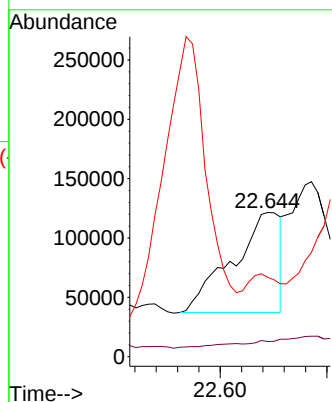
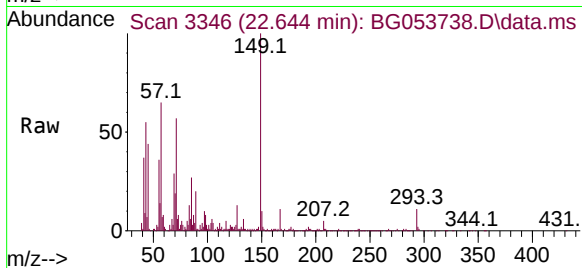
Tgt Ion:149 Resp: 263372

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 31.2 9.0 13.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.824 min Scan# 3717

Delta R.T. -0.016 min

Lab File: BG053738.D

Acq: 27 May 2022 18:12

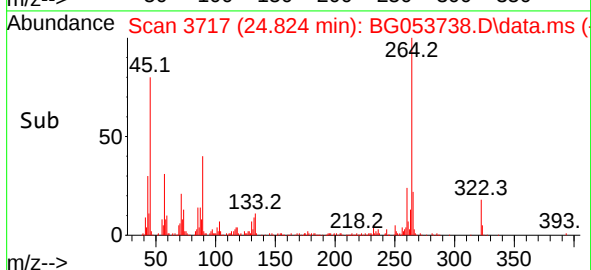
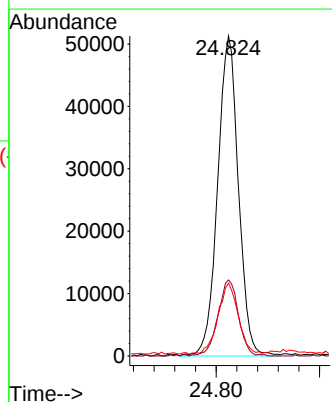
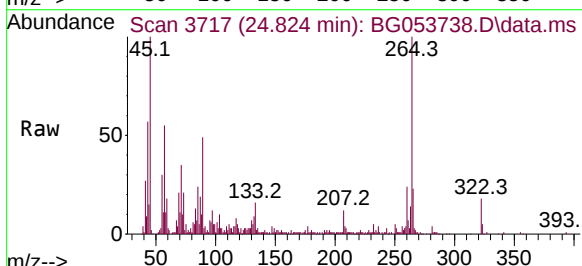
Tgt Ion:264 Resp: 142969

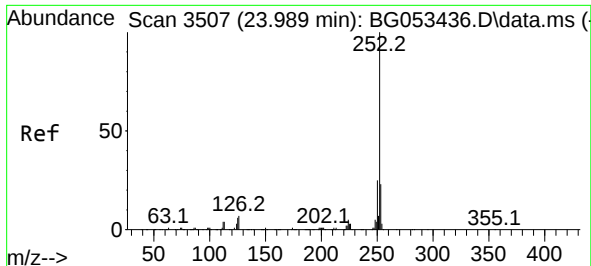
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.8 17.4 26.2

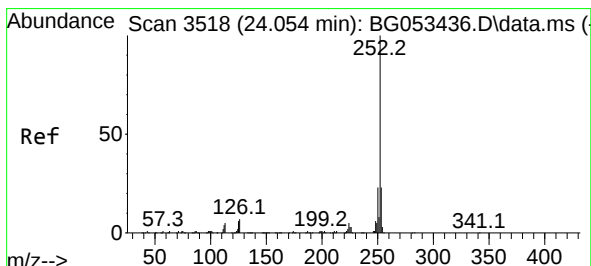
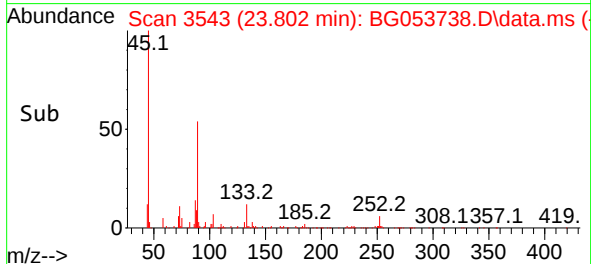
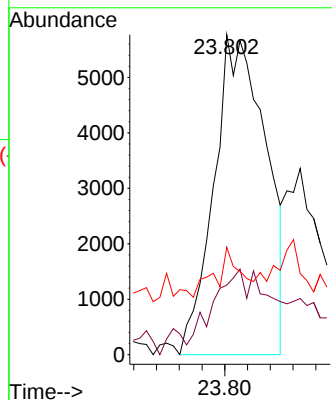
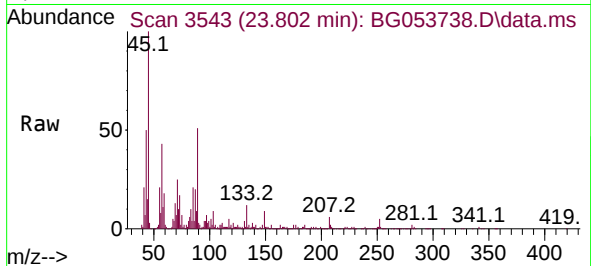




#88
Benzo(b)fluoranthene
Concen: 2.160 ng
RT: 23.802 min Scan# 3543
Delta R.T. -0.022 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

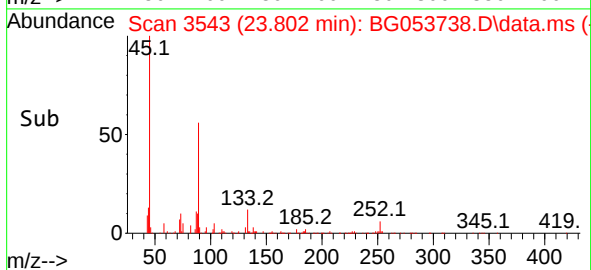
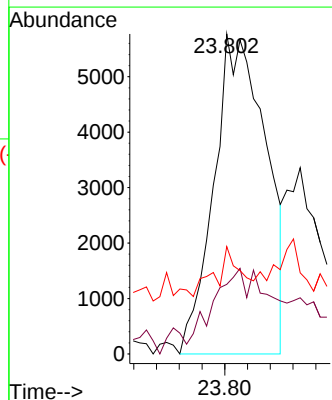
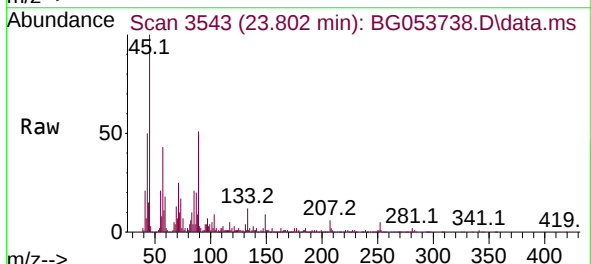
Instrument :
BNA_G
ClientSampleId :
33686

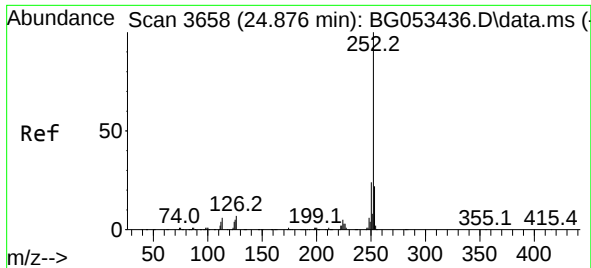
Tgt Ion:252 Resp: 18279
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 33.5 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 2.198 ng
RT: 23.802 min Scan# 3543
Delta R.T. -0.086 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

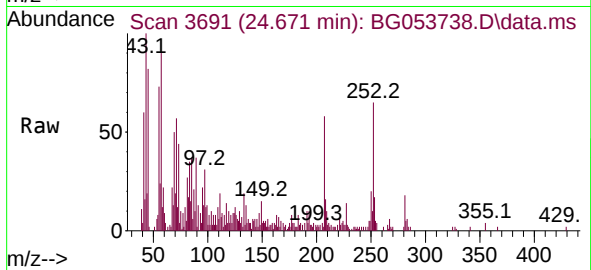
Tgt Ion:252 Resp: 18279
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 33.5 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 2.755 ng
RT: 24.671 min Scan# 30
Delta R.T. -0.016 min
Lab File: BG053738.D
Acq: 27 May 2022 18:12

Instrument :
BNA_G
ClientSampleId :
33686



Tgt Ion:252 Resp: 19846
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.8
125 18.6 4.3 6.5#

