

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053756.D
 Acq On : 28 May 2022 18:31
 Operator : CG/JU
 Sample : N3080-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: May 29 02:20:08 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)

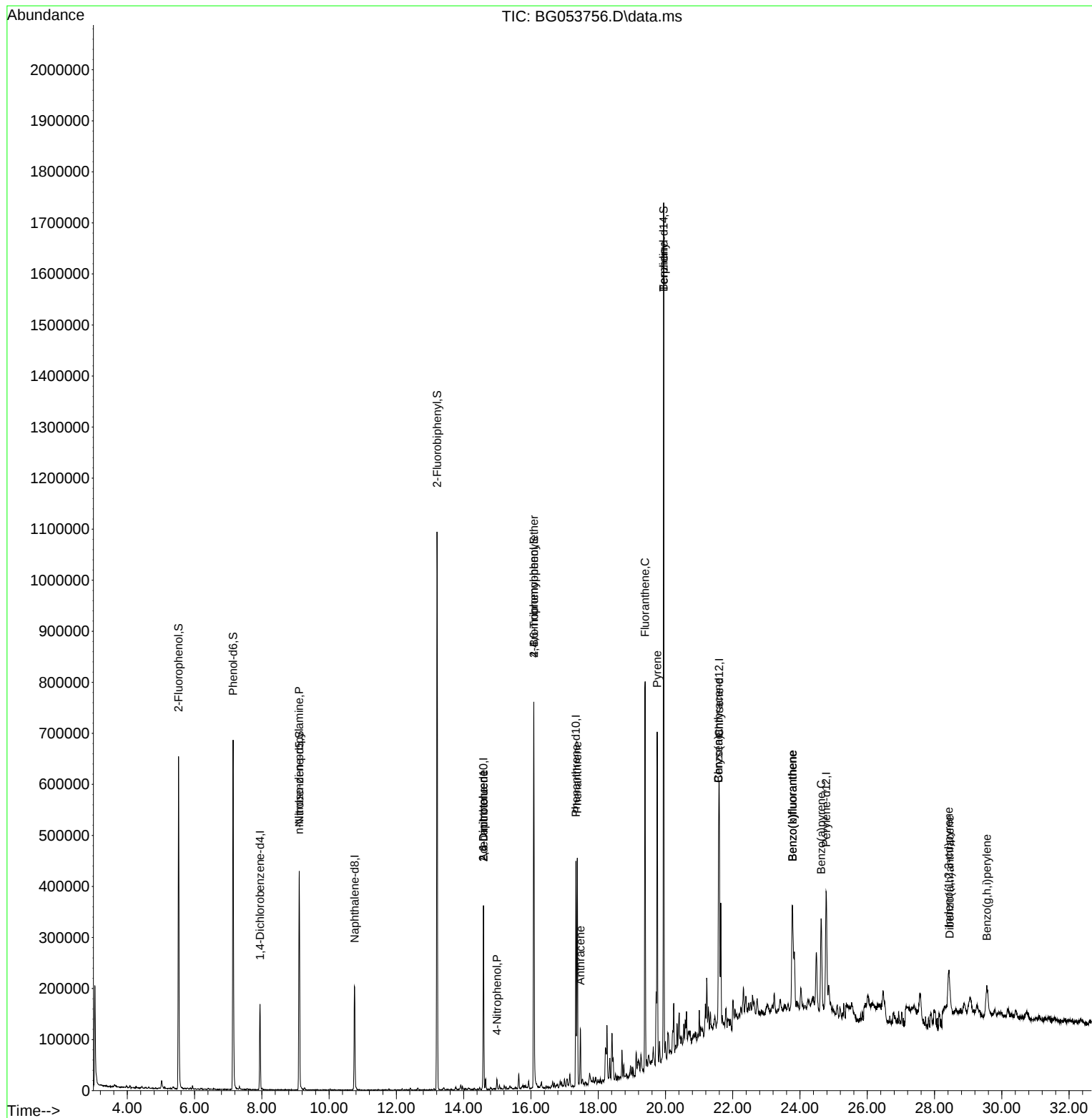
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	47038	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	174157	20.000	ng	0.00
39) Acenaphthene-d10	14.590	164	127350	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	267426	20.000	ng	0.00
76) Chrysene-d12	21.598	240	225448	20.000	ng	#-0.01
86) Perylene-d12	24.776	264	240449	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	288453	104.074	ng	0.00
7) Phenol-d6	7.147	99	422553	100.456	ng	0.00
23) Nitrobenzene-d5	9.115	82	285716	69.836	ng	0.00
42) 2,4,6-Tribromophenol	16.088	330	154832	82.434	ng	0.00
45) 2-Fluorobiphenyl	13.209	172	588452	67.522	ng	0.00
79) Terphenyl-d14	19.947	244	812913	67.156	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.109	70	38439	12.737	ng	# 74
51) 2,6-Dinitrotoluene	14.590	165	17081	8.664	ng	# 18
56) 4-Nitrophenol	14.989	139	3544	2.329	ng	# 1
57) 2,4-Dinitrotoluene	14.590	165	17081	5.977	ng	# 23
67) 4-Bromophenyl-phenylether	16.088	248	10557	3.380	ng	# 1
71) Phenanthrene	17.380	178	261478	19.229	ng	98
72) Anthracene	17.474	178	73639	5.510	ng	97
75) Fluoranthene	19.395	202	497815	28.274	ng	97
77) Benzidine	19.947	184	13452	2.768	ng	94
78) Pyrene	19.753	202	421018	28.848	ng	99
81) Benzo(a)anthracene	21.580	228	225447	15.678	ng	99
83) Chrysene	21.580	228	225447	16.787	ng	96
87) Indeno(1,2,3-cd)pyrene	28.418	276	131894	7.876	ng	# 92
88) Benzo(b)fluoranthene	23.777	252	272858	19.171	ng	# 98
89) Benzo(k)fluoranthene	23.777	252	272858	19.510	ng	# 98
90) Benzo(a)pyrene	24.629	252	194798	16.080	ng	# 94
91) Dibenzo(a,h)anthracene	28.448	278	36868	2.672	ng	# 73
92) Benzo(g,h,i)perylene	29.552	276	124748	9.120	ng	# 91

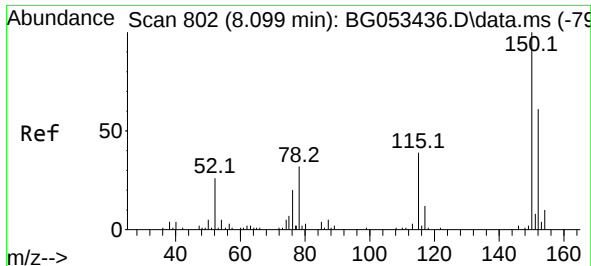
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
Data File : BG053756.D
Acq On : 28 May 2022 18:31
Operator : CG/JU
Sample : N3080-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-4

Quant Time: May 29 02:20:08 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

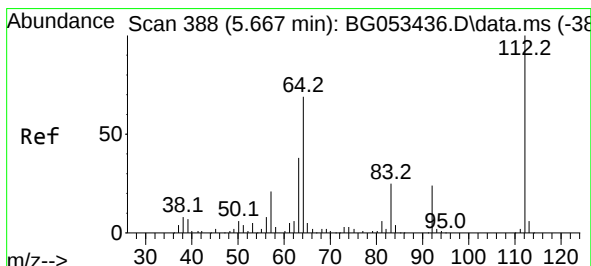
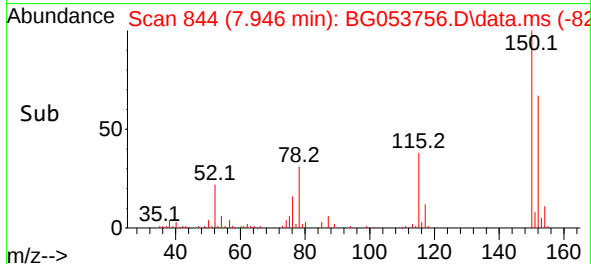
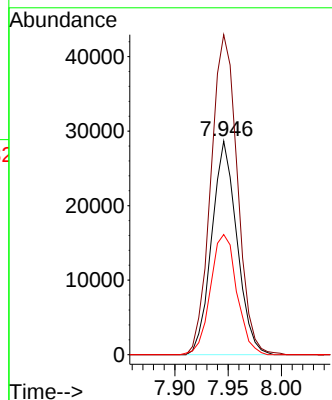
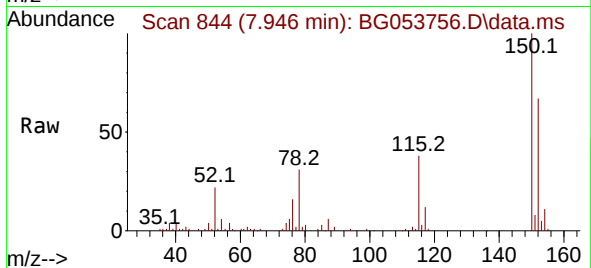




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

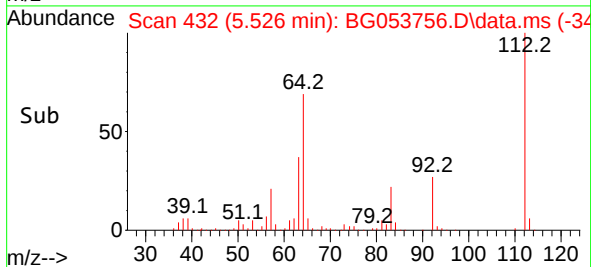
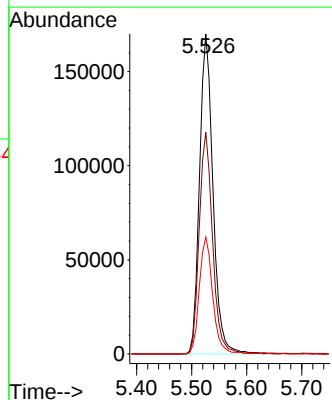
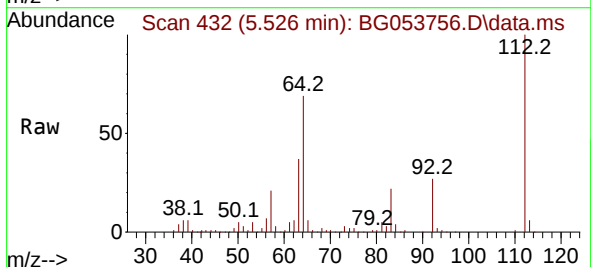
Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:152 Resp: 47038
Ion Ratio Lower Upper
152 100
150 149.8 131.6 197.4
115 56.2 50.9 76.3



#5
2-Fluorophenol
Concen: 104.074 ng
RT: 5.526 min Scan# 432
Delta R.T. 0.000 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:112 Resp: 288453
Ion Ratio Lower Upper
112 100
64 69.3 55.1 82.7
63 36.5 30.4 45.6

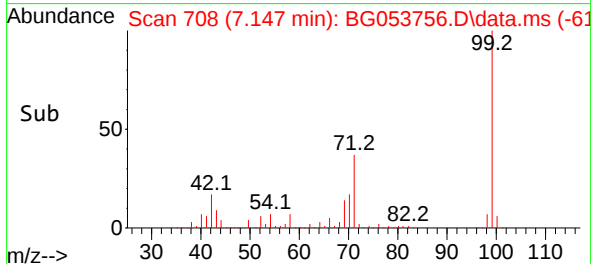
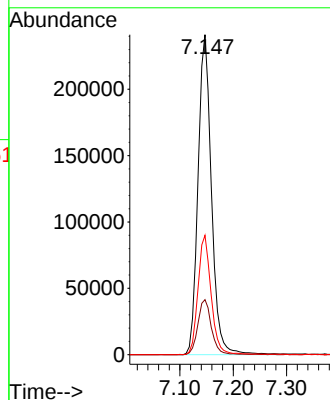
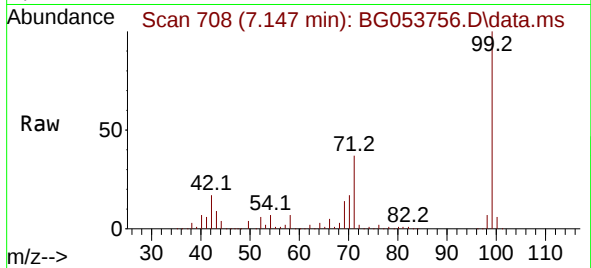




#7
Phenol-d6
Concen: 100.456 ng
RT: 7.147 min Scan# 70
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

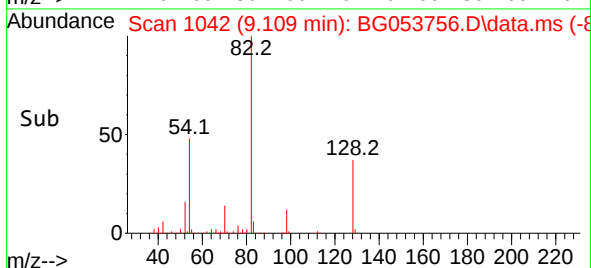
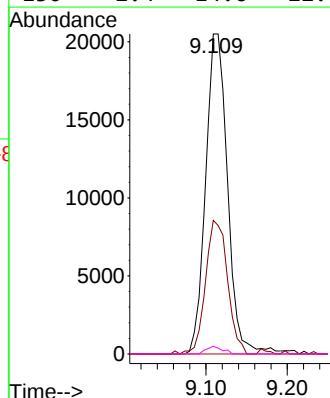
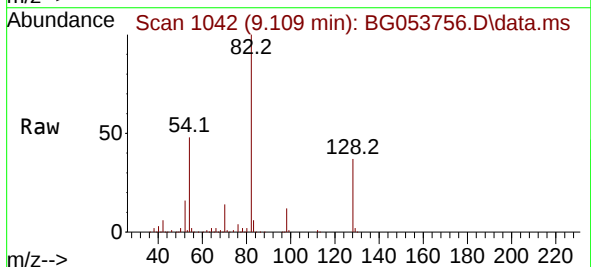
Instrument :
BNA_G
ClientSampleId :
WC-4

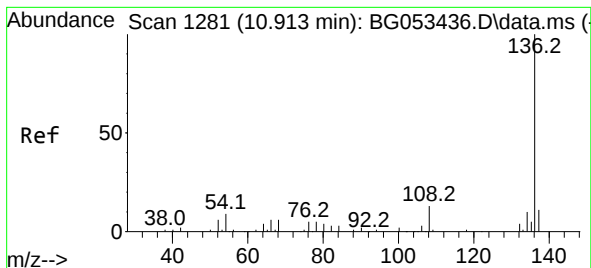
Tgt Ion: 99 Resp: 422553
Ion Ratio Lower Upper
99 100
42 17.2 17.0 25.6
71 37.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.737 ng
RT: 9.109 min Scan# 1042
Delta R.T. 0.353 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion: 70 Resp: 38439
Ion Ratio Lower Upper
70 100
42 41.7 47.3 70.9#
101 0.0 7.0 10.4#
130 2.4 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.760 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion:136 Resp: 174157

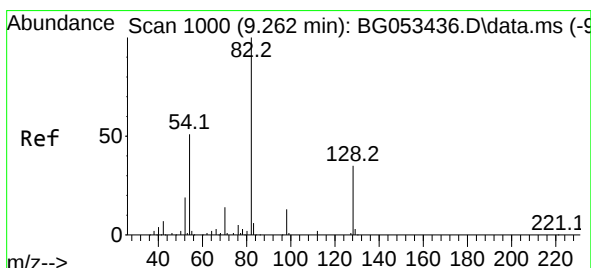
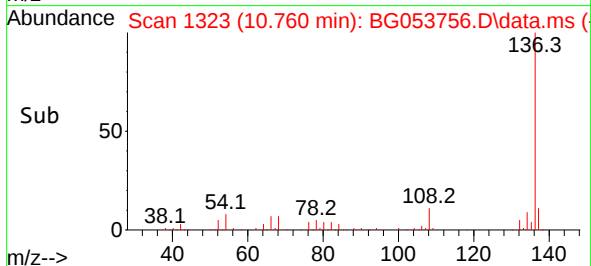
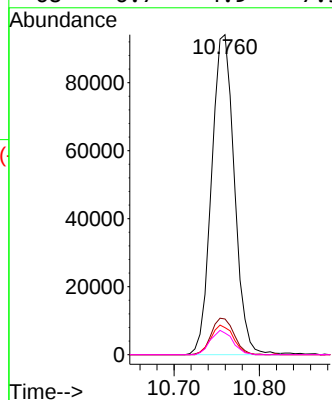
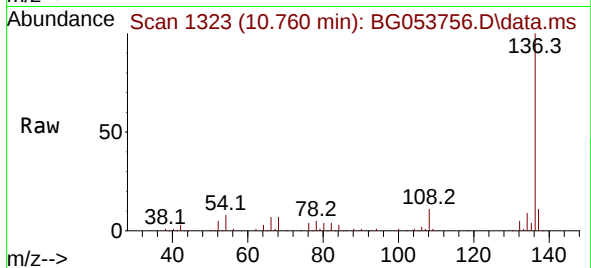
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.4 7.4 11.2

68 6.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 69.836 ng

RT: 9.115 min Scan# 1043

Delta R.T. -0.005 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

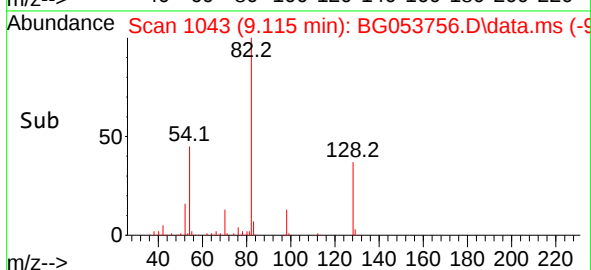
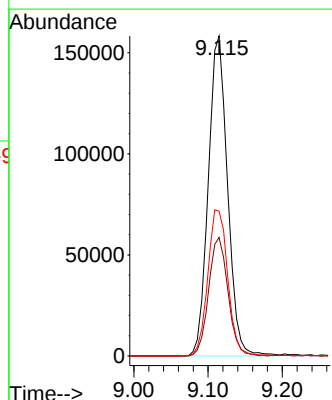
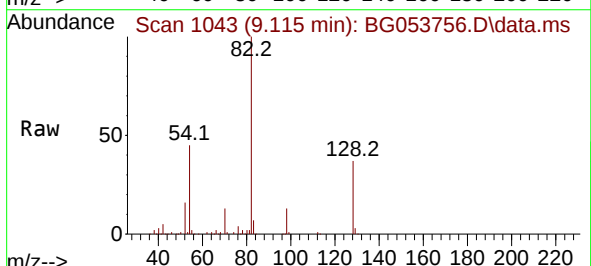
Tgt Ion: 82 Resp: 285716

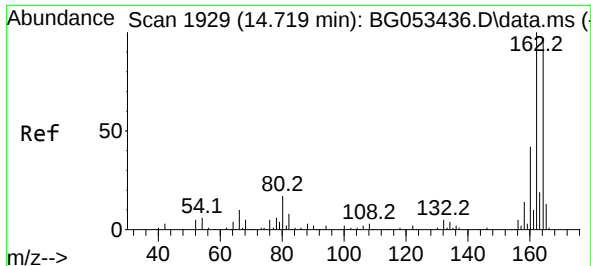
Ion Ratio Lower Upper

82 100

128 37.0 27.9 41.9

54 45.3 41.2 61.8

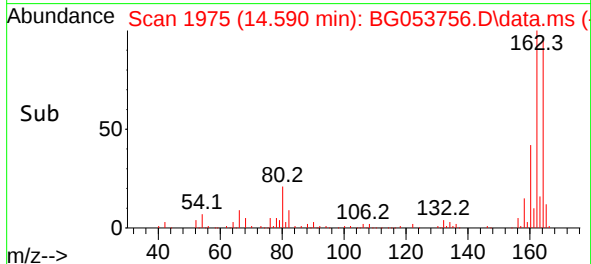
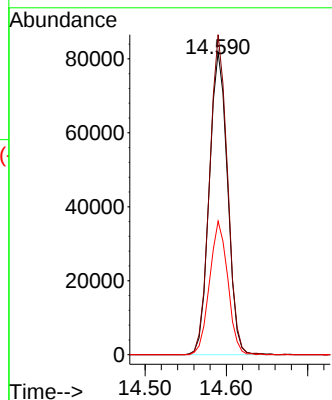
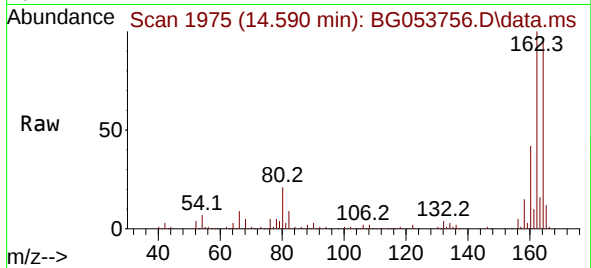




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.590 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

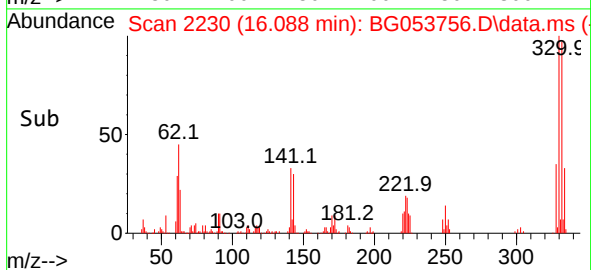
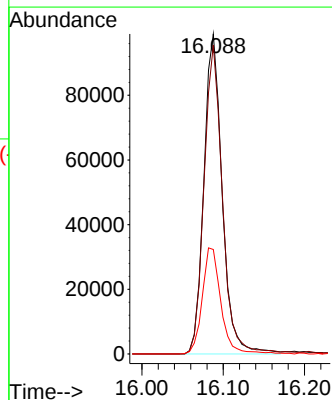
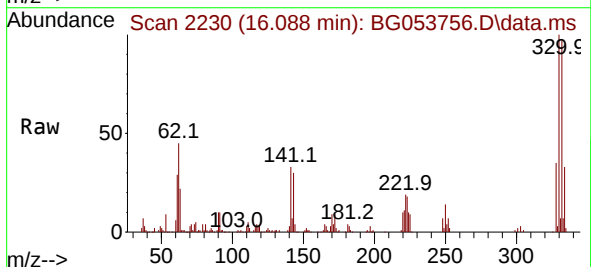
Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:164 Resp: 127350
Ion Ratio Lower Upper
164 100
162 105.8 82.3 123.5
160 44.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 82.434 ng
RT: 16.088 min Scan# 2230
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:330 Resp: 154832
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 33.8 27.1 40.7

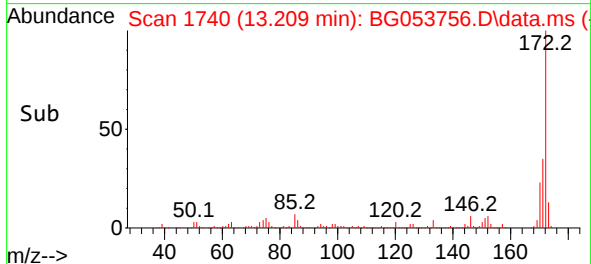
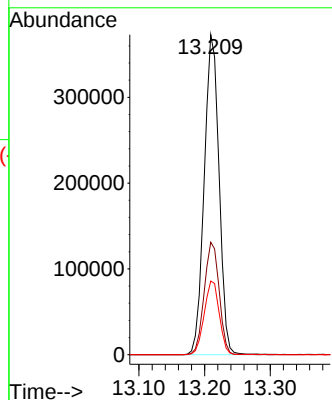
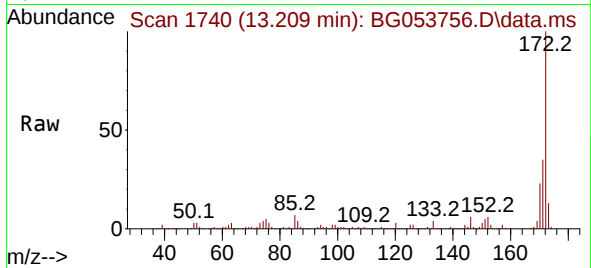




#45
2-Fluorobiphenyl
Concen: 67.522 ng
RT: 13.209 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

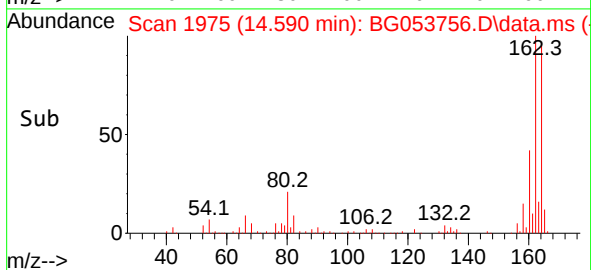
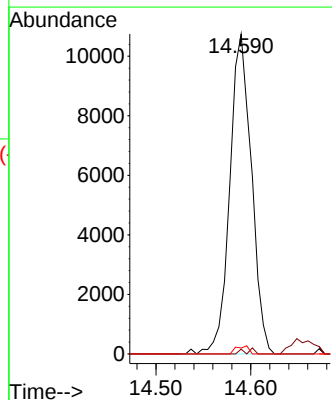
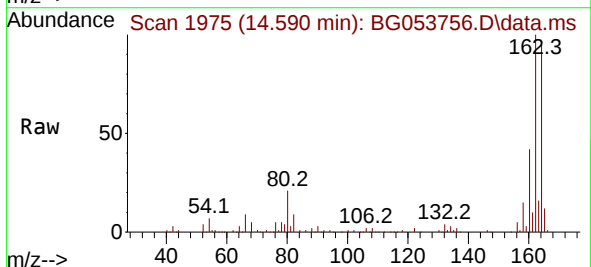
Instrument :
BNA_G
ClientSampleId :
WC-4

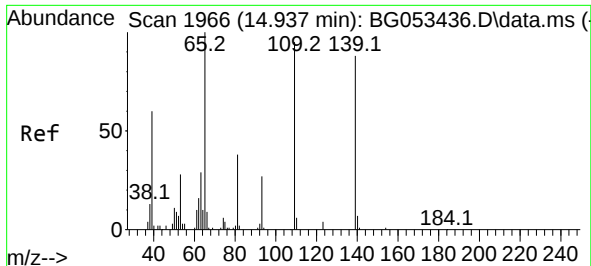
Tgt Ion:172 Resp: 588452
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.664 ng
RT: 14.590 min Scan# 1975
Delta R.T. 0.418 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:165 Resp: 17081
Ion Ratio Lower Upper
165 100
63 1.5 54.1 81.1#
89 1.8 54.8 82.2#

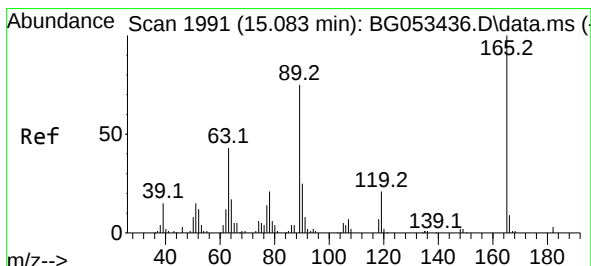
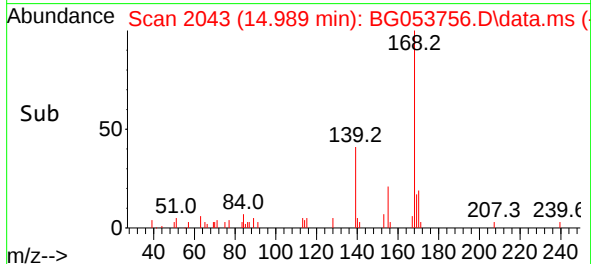
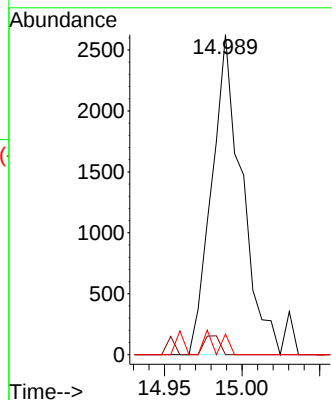
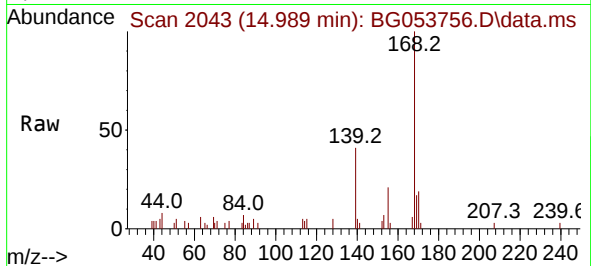




#56
4-Nitrophenol
Concen: 2.329 ng
RT: 14.989 min Scan# 2043
Delta R.T. 0.118 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

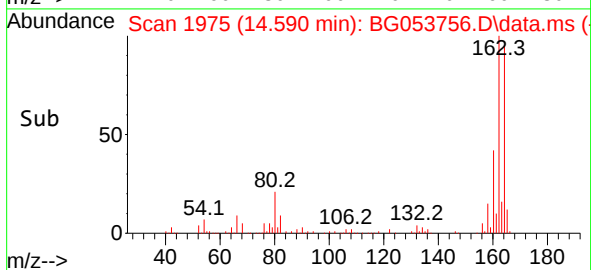
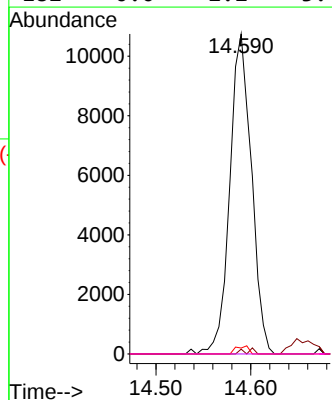
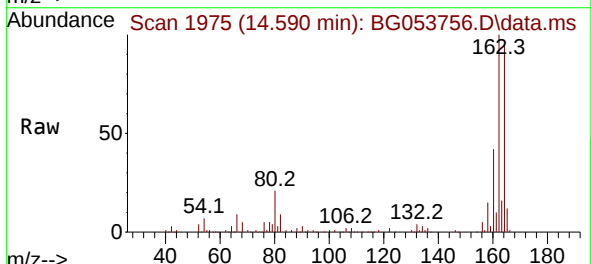
Instrument :
BNA_G
ClientSampleId :
WC-4

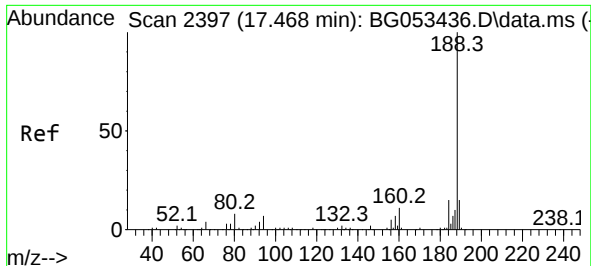
Tgt Ion:139 Resp: 3544
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 6.4 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.977 ng
RT: 14.590 min Scan# 1975
Delta R.T. -0.376 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:165 Resp: 17081
Ion Ratio Lower Upper
165 100
63 1.5 34.6 52.0#
89 1.8 60.3 90.5#
182 0.0 2.2 3.4#

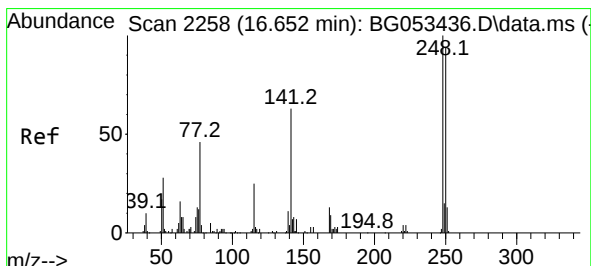
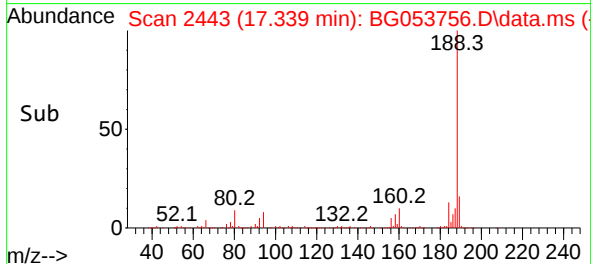
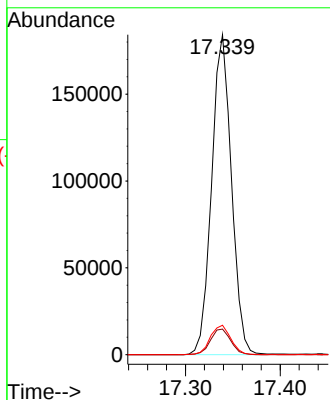
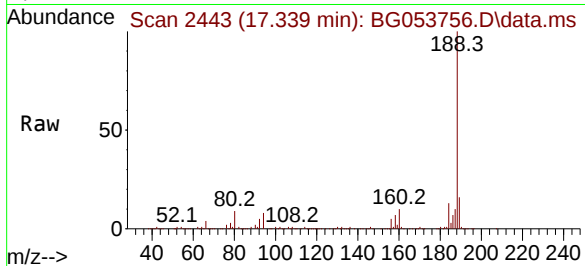




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

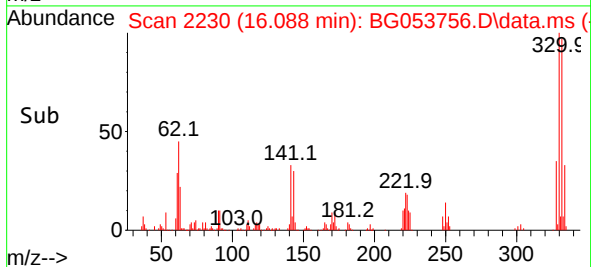
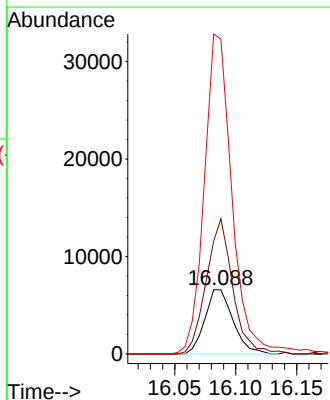
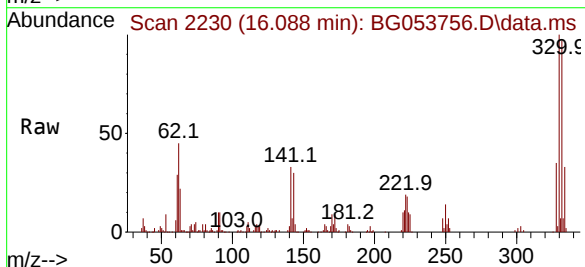
Instrument :
BNA_G
ClientSampleId :
WC-4

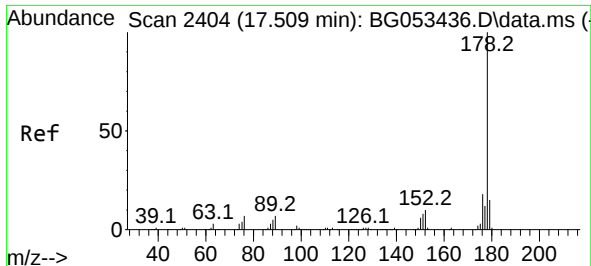
Tgt Ion:188 Resp: 267426
Ion Ratio Lower Upper
188 100
94 8.0 5.4 8.0
80 9.2 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.380 ng
RT: 16.088 min Scan# 2230
Delta R.T. -0.440 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:248 Resp: 10557
Ion Ratio Lower Upper
248 100
250 210.7 75.2 112.8#
141 490.7 50.0 75.0#

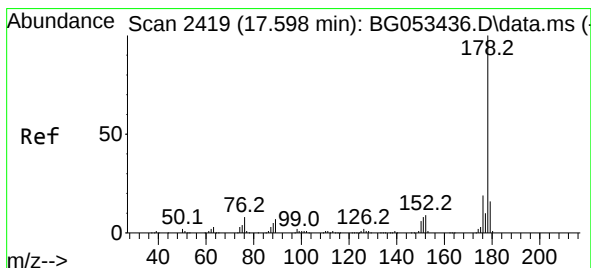
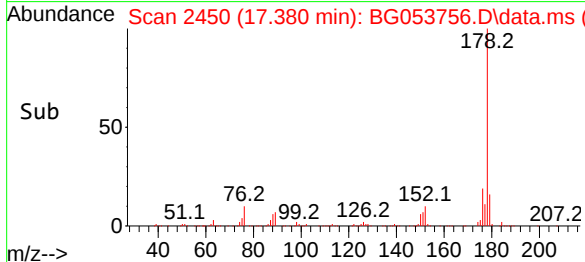
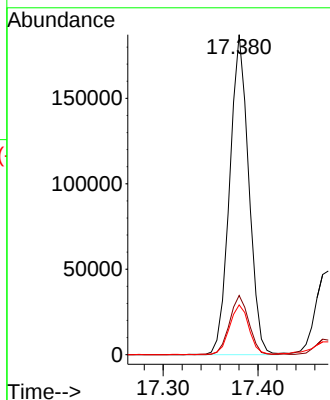
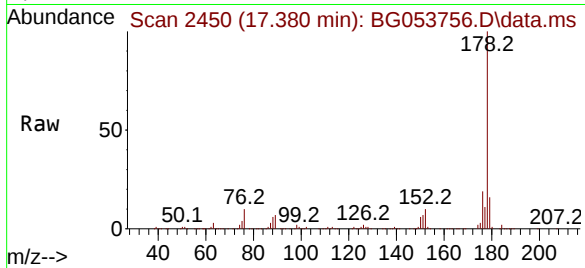




#71
Phenanthrene
Concen: 19.229 ng
RT: 17.380 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

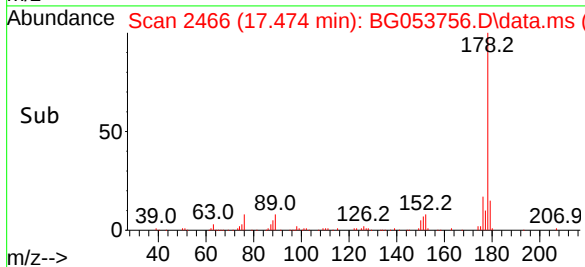
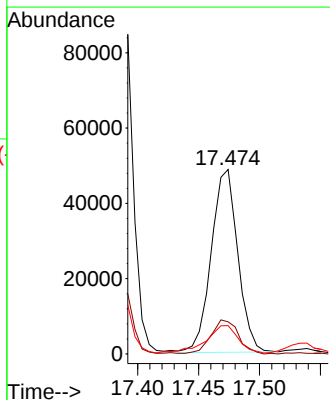
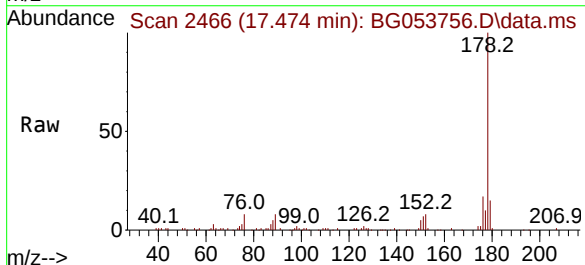
Instrument :
BNA_G
ClientSampleId :
WC-4

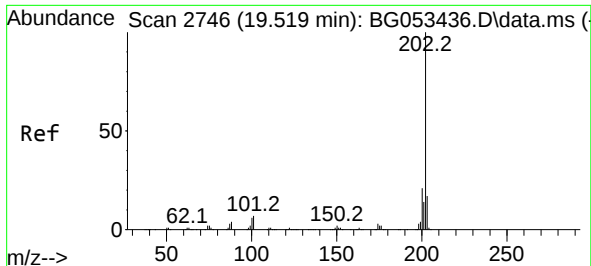
Tgt Ion:178 Resp: 261478
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.6 12.1 18.1



#72
Anthracene
Concen: 5.510 ng
RT: 17.474 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:178 Resp: 73639
Ion Ratio Lower Upper
178 100
176 17.5 15.2 22.8
179 15.4 13.0 19.4

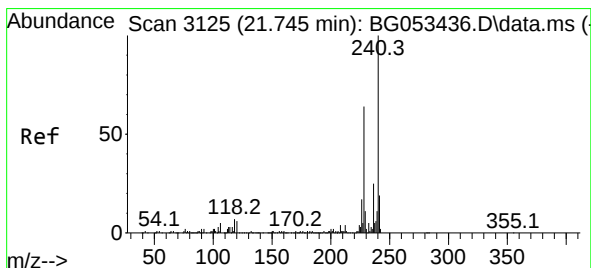
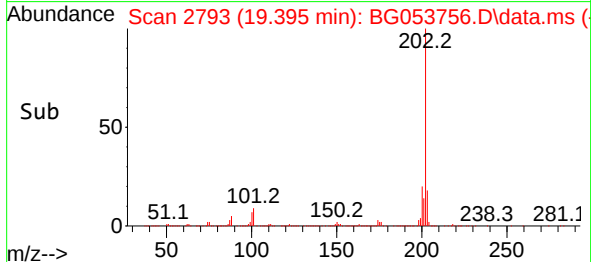
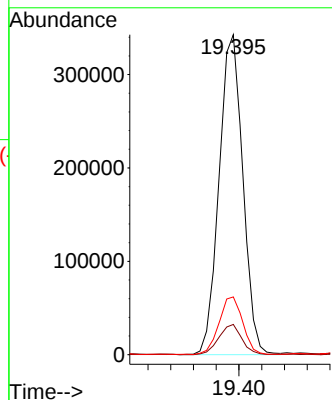
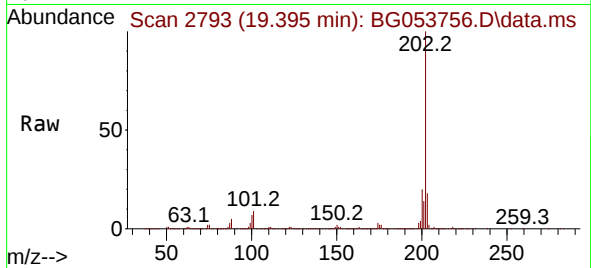




#75
Fluoranthene
Concen: 28.274 ng
RT: 19.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

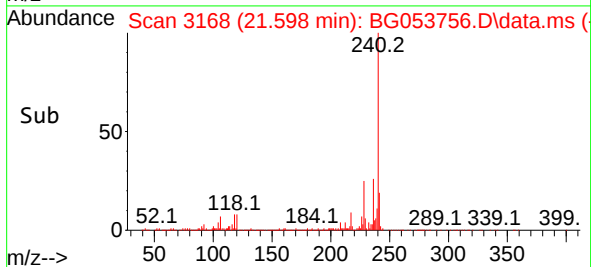
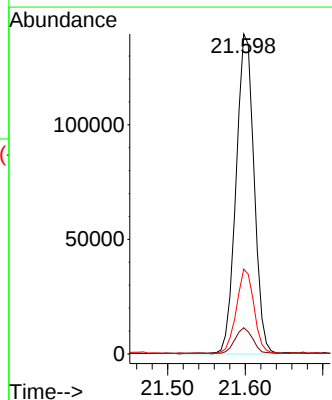
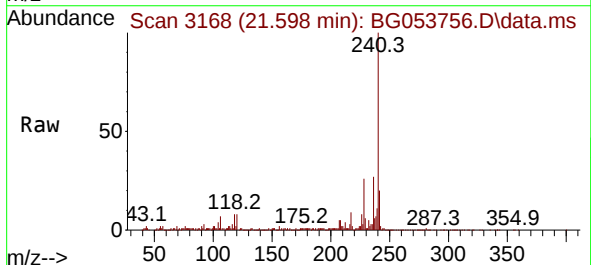
Instrument :
BNA_G
ClientSampleId :
WC-4

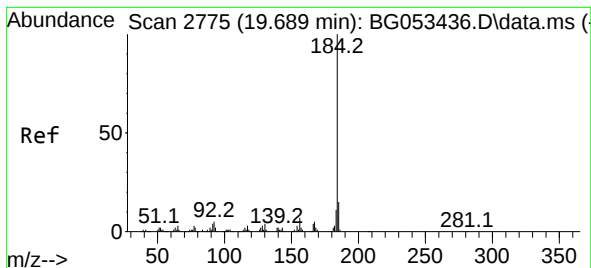
Tgt Ion:202 Resp: 497815
Ion Ratio Lower Upper
202 100
101 9.4 0.0 26.9
203 18.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.598 min Scan# 3168
Delta R.T. -0.011 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:240 Resp: 225448
Ion Ratio Lower Upper
240 100
120 8.2 4.6 7.0#
236 26.5 20.2 30.4





#77

Benzidine

Concen: 2.768 ng

RT: 19.947 min Scan# 2

Delta R.T. 0.370 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Instrument :

BNA_G

ClientSampleId :

WC-4

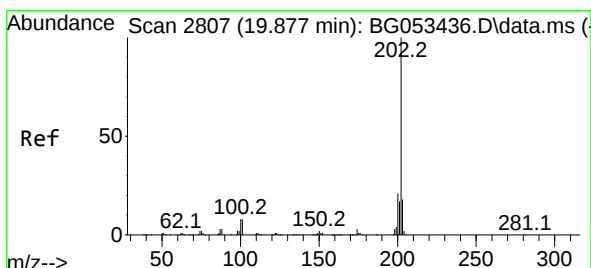
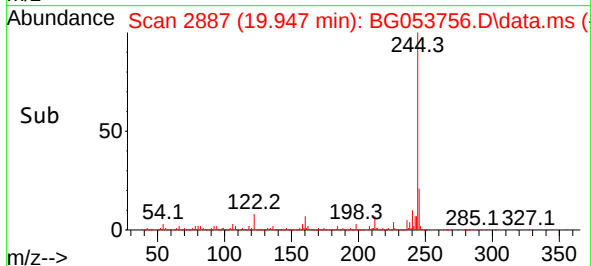
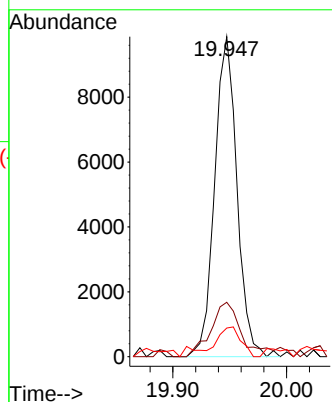
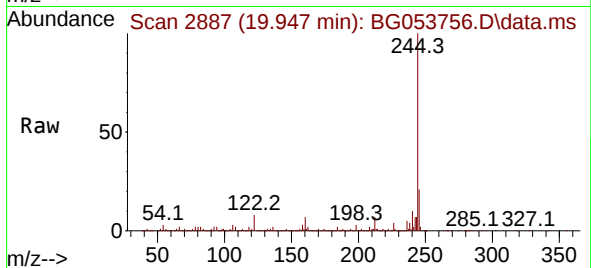
Tgt Ion:184 Resp: 13452

Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.6

183 9.0 8.9 13.3



#78

Pyrene

Concen: 28.848 ng

RT: 19.753 min Scan# 2854

Delta R.T. -0.005 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

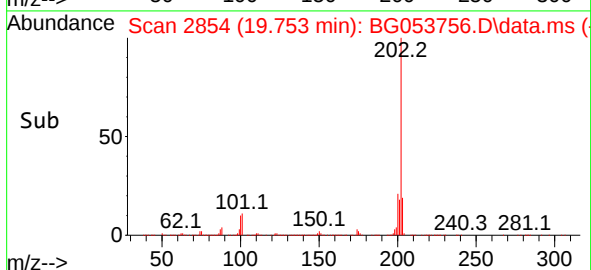
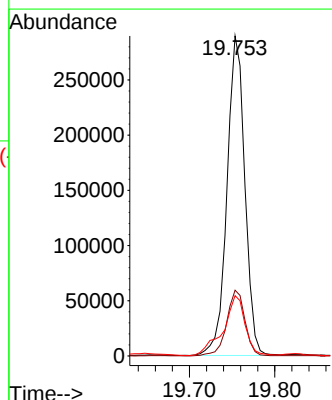
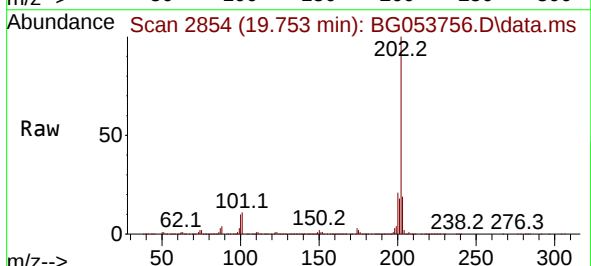
Tgt Ion:202 Resp: 421018

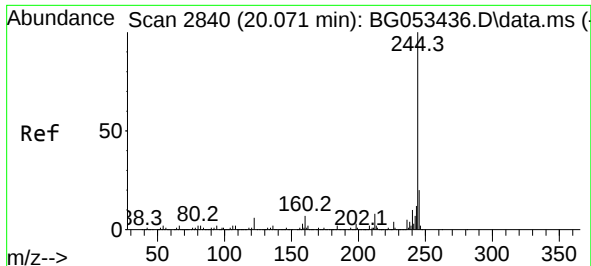
Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

203 18.9 14.6 21.8

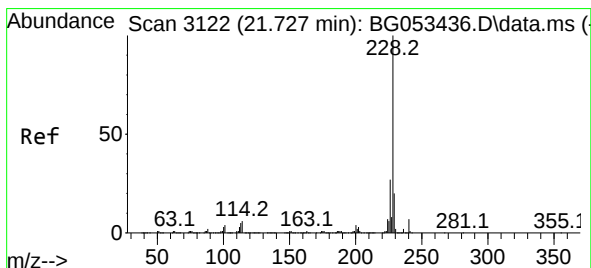
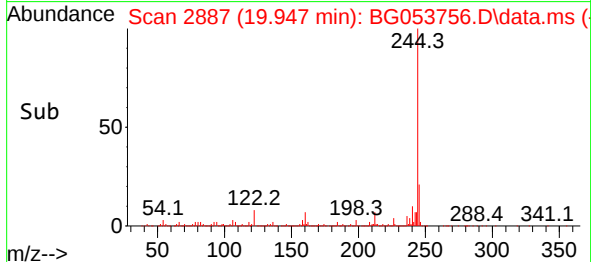
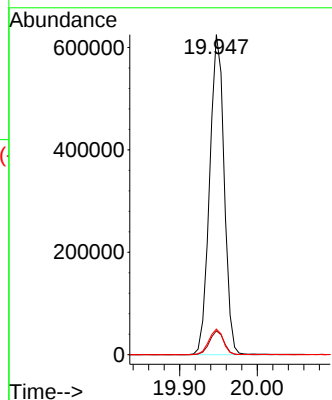
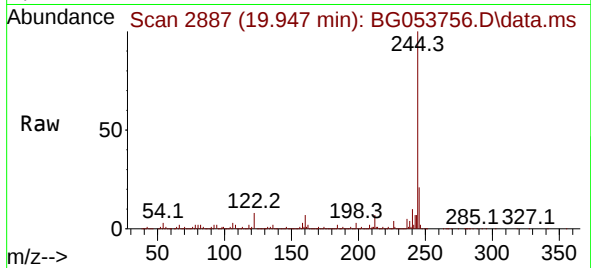




#79
 Terphenyl-d14
 Concen: 67.156 ng
 RT: 19.947 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053756.D
 Acq: 28 May 2022 18:31

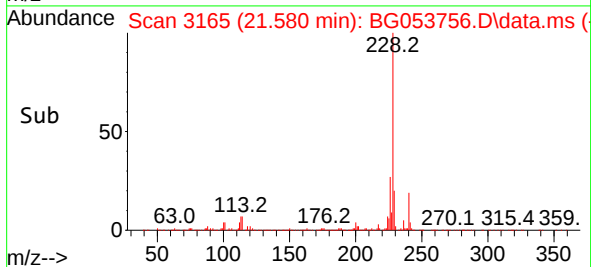
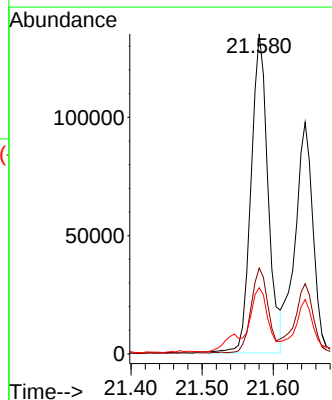
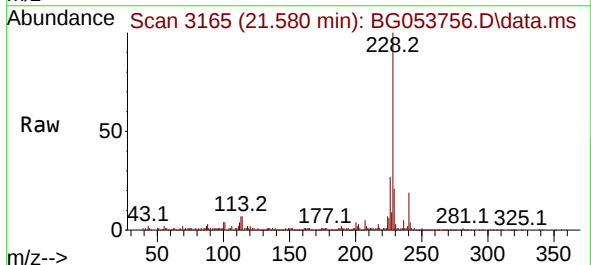
Instrument :
 BNA_G
 ClientSampleId :
 WC-4

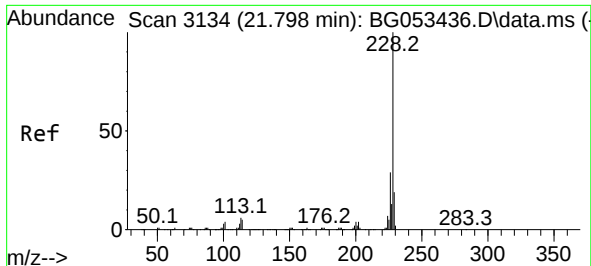
Tgt Ion:244 Resp: 812913
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 8.0 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 15.678 ng
 RT: 21.580 min Scan# 3165
 Delta R.T. -0.005 min
 Lab File: BG053756.D
 Acq: 28 May 2022 18:31

Tgt Ion:228 Resp: 225447
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.6 32.4
 229 20.7 16.2 24.2

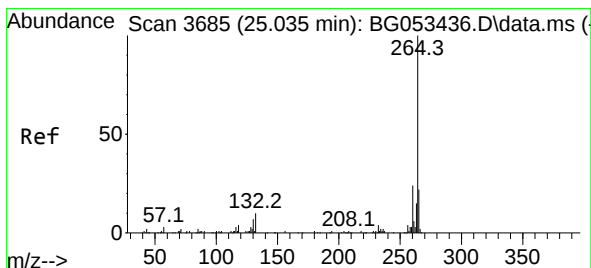
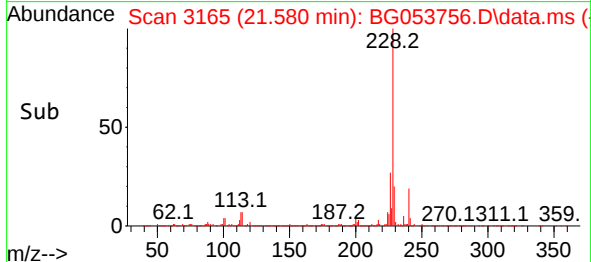
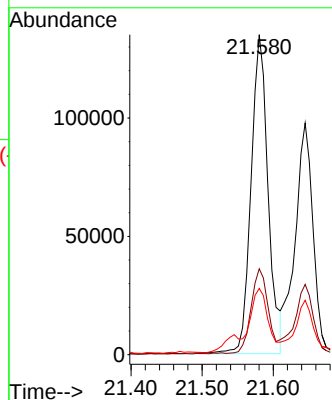
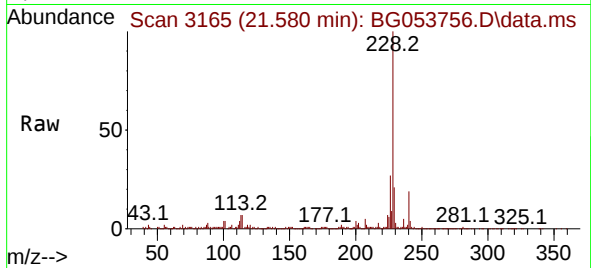




#83
Chrysene
Concen: 16.787 ng
RT: 21.580 min Scan# 31
Delta R.T. -0.070 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

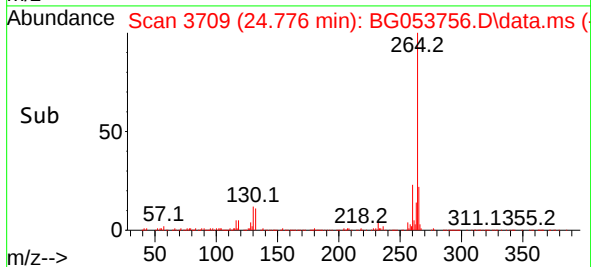
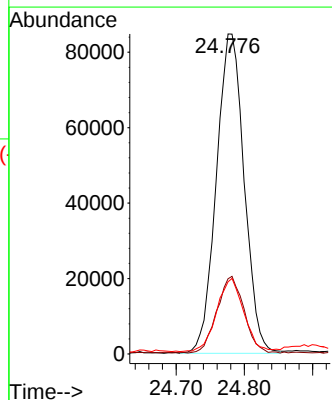
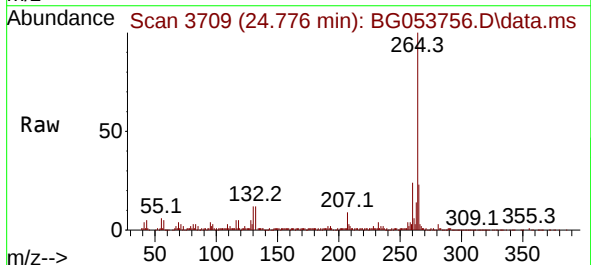
Instrument :
BNA_G
ClientSampleId :
WC-4

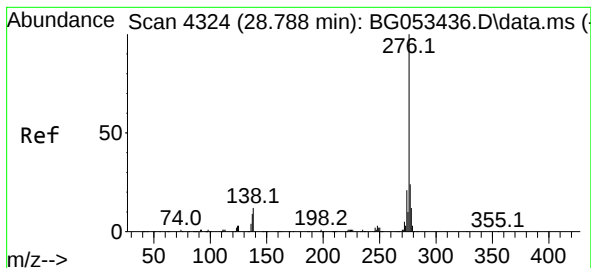
Tgt Ion:228 Resp: 225447
Ion Ratio Lower Upper
228 100
226 26.9 23.4 35.2
229 20.7 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.776 min Scan# 3709
Delta R.T. -0.011 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:264 Resp: 240449
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 22.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.876 ng

RT: 28.418 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Instrument :

BNA_G

ClientSampleId :

WC-4

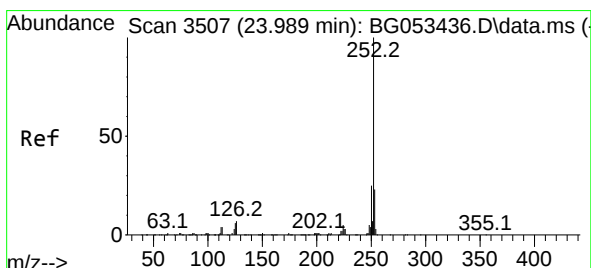
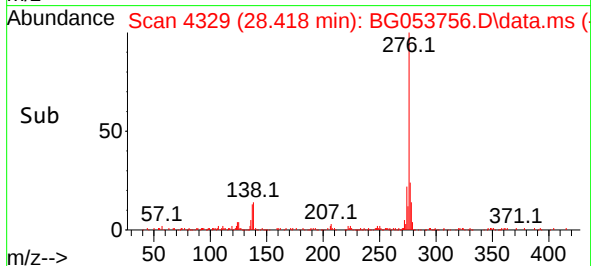
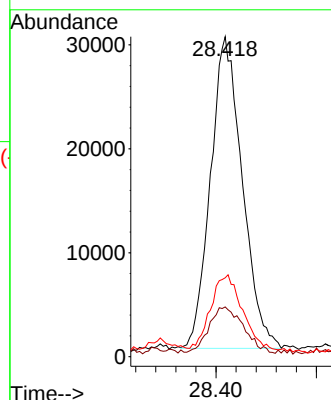
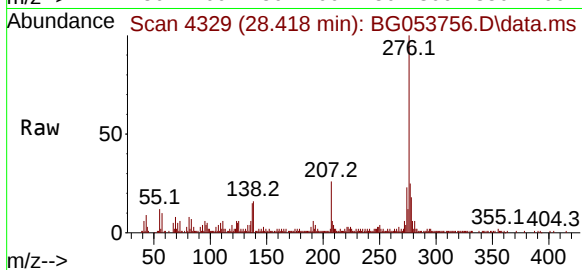
Tgt Ion:276 Resp: 131894

Ion Ratio Lower Upper

276 100

138 16.3 5.0 7.4#

277 24.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 19.171 ng

RT: 23.777 min Scan# 3539

Delta R.T. 0.000 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

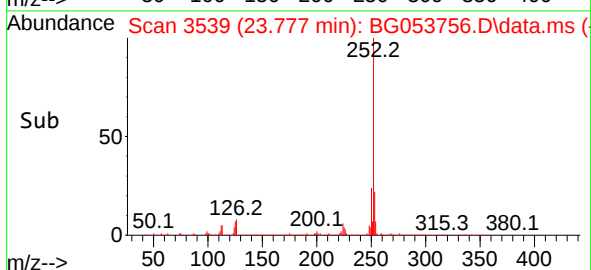
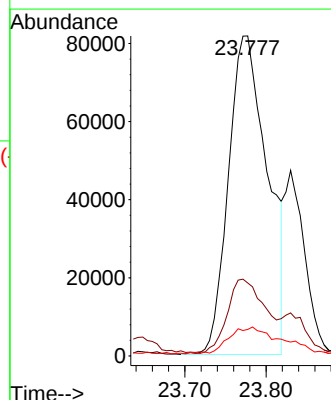
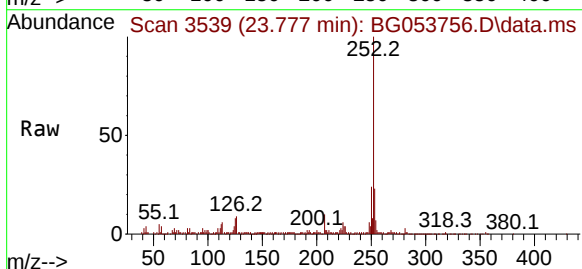
Tgt Ion:252 Resp: 272858

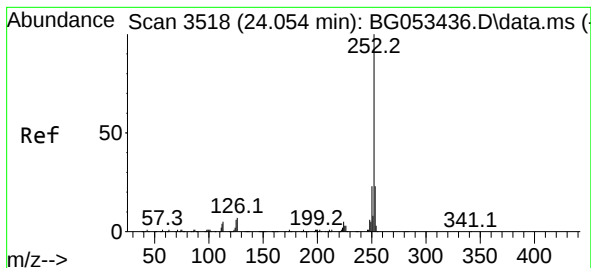
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 8.3 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 19.510 ng

RT: 23.777 min Scan# 3

Delta R.T. -0.064 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Instrument :

BNA_G

ClientSampleId :

WC-4

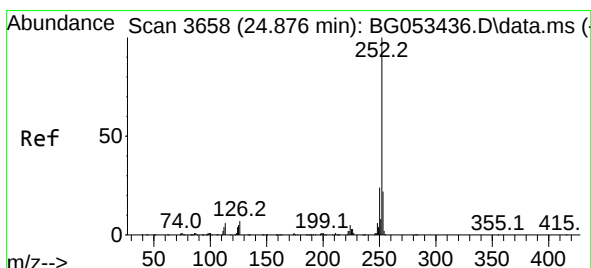
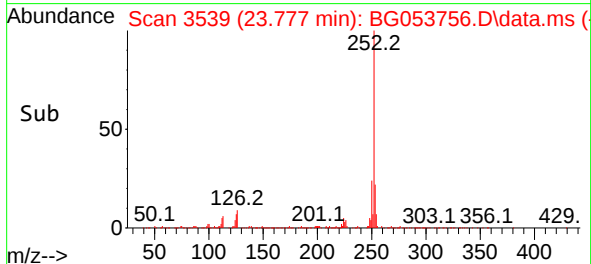
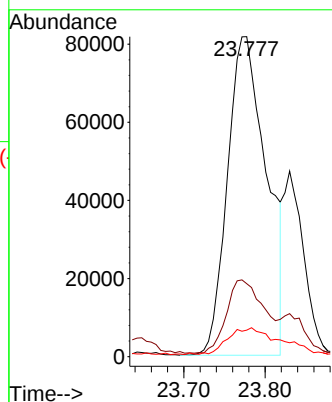
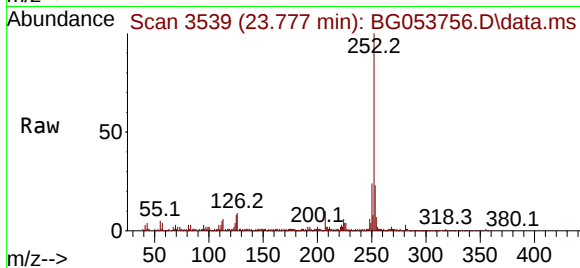
Tgt Ion:252 Resp: 272858

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 8.3 4.8 7.2#



#90

Benzo(a)pyrene

Concen: 16.080 ng

RT: 24.629 min Scan# 3684

Delta R.T. -0.011 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

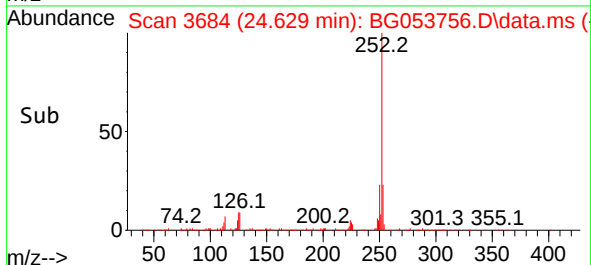
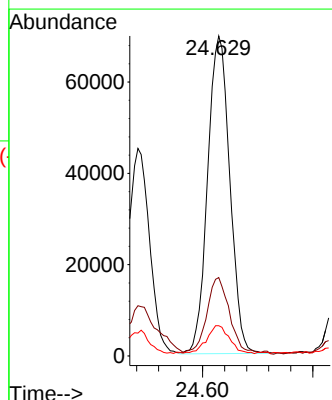
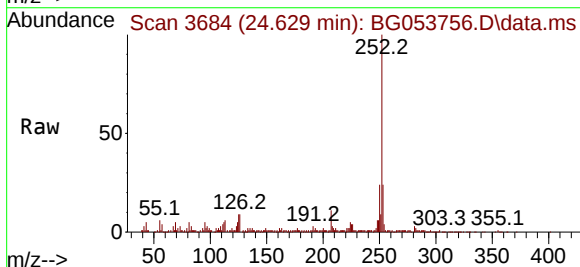
Tgt Ion:252 Resp: 194798

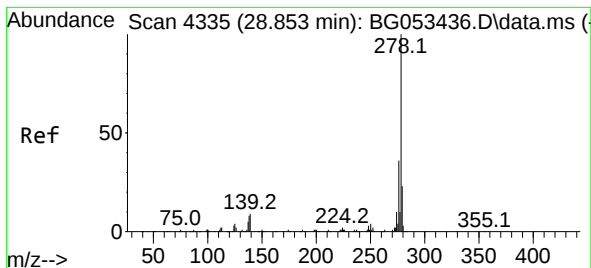
Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 9.5 4.3 6.5#





#91

Dibenzo(a,h)anthracene

Concen: 2.672 ng

RT: 28.448 min Scan# 41

Delta R.T. -0.035 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Instrument :

BNA_G

ClientSampleId :

WC-4

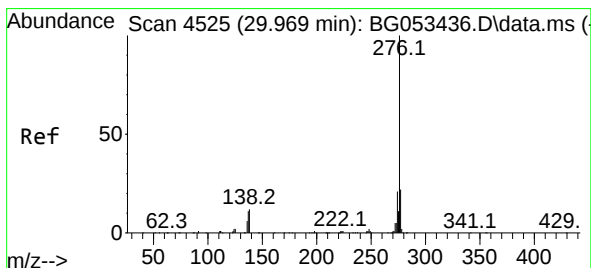
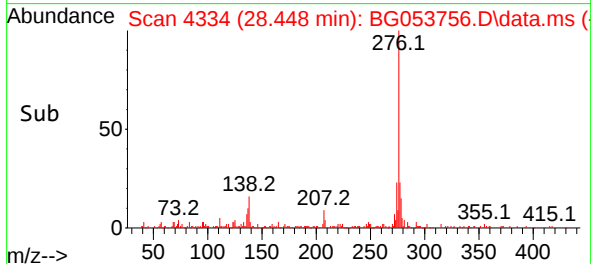
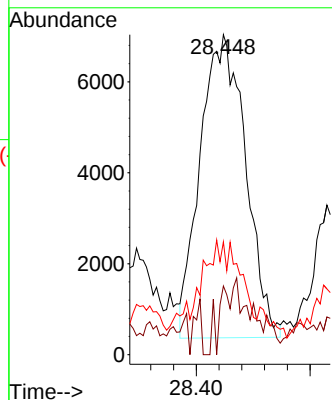
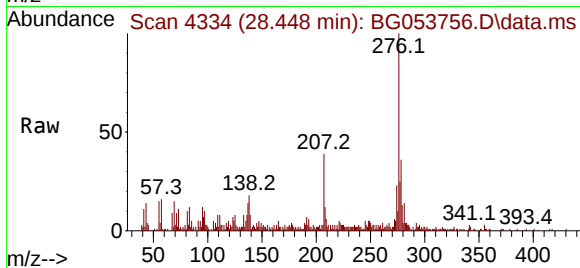
Tgt Ion:278 Resp: 36868

Ion Ratio Lower Upper

278 100

139 21.4 7.2 10.8#

279 35.2 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 9.120 ng

RT: 29.552 min Scan# 4522

Delta R.T. -0.017 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Tgt Ion:276 Resp: 124748

Ion Ratio Lower Upper

276 100

277 25.2 17.3 25.9

138 16.3 9.6 14.4#

