

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053057.D
 Acq On : 6 Apr 2022 16:29
 Operator : CG/JU
 Sample : N2220-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A10015

Quant Time: Apr 06 17:15:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

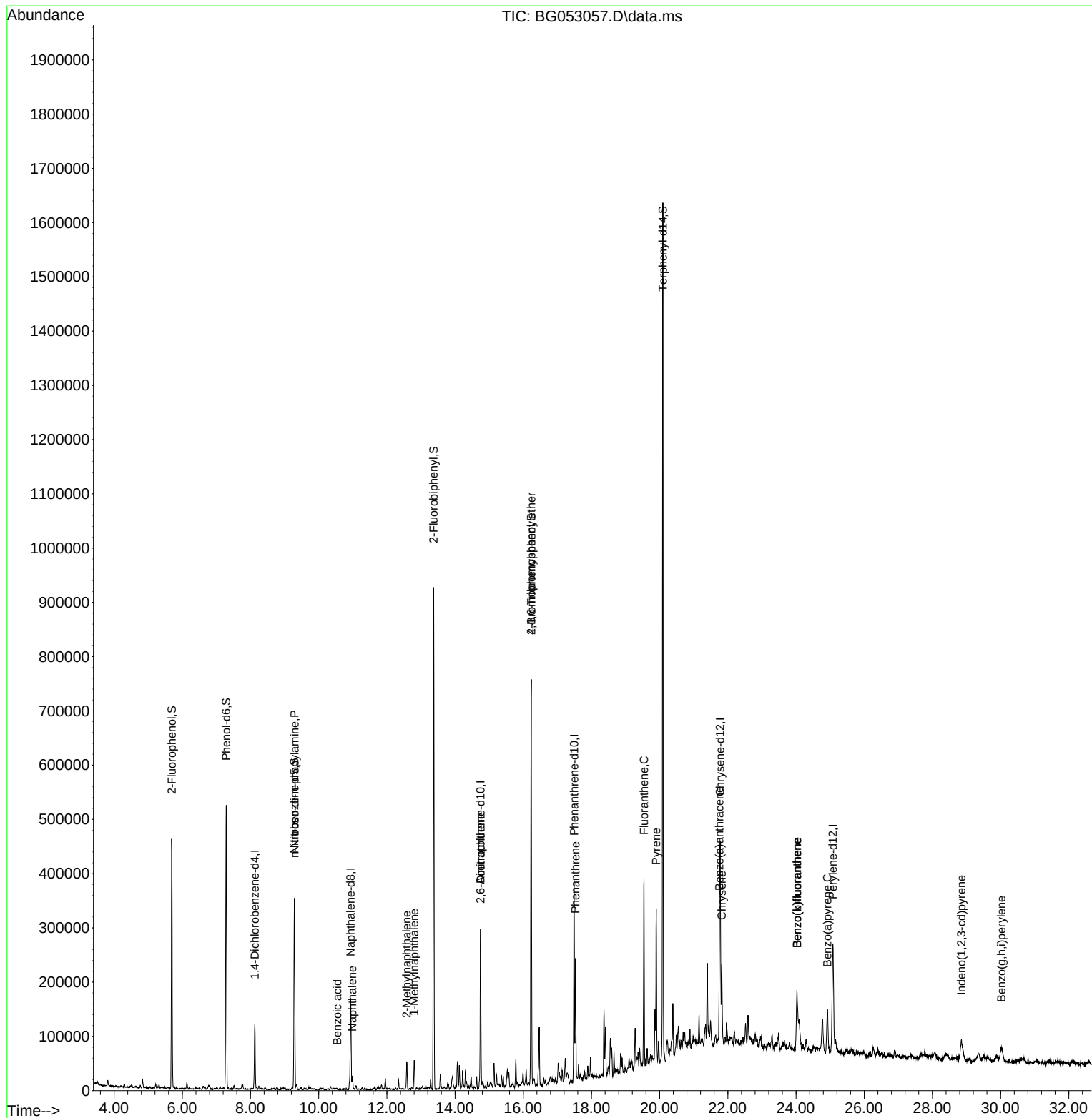
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	32299	20.000	ng	0.00
21) Naphthalene-d8	10.936	136	136199	20.000	ng	0.00
39) Acenaphthene-d10	14.749	164	100566	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	225690	20.000	ng	0.00
76) Chrysene-d12	21.775	240	212785	20.000	ng	0.00
86) Perylene-d12	25.082	264	221505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	180649	97.403	ng	0.00
7) Phenol-d6	7.288	99	285102	101.965	ng	0.00
23) Nitrobenzene-d5	9.286	82	228425	84.176	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	140505	103.975	ng	0.00
45) 2-Fluorobiphenyl	13.374	172	480151	70.416	ng	0.00
79) Terphenyl-d14	20.095	244	761882	63.692	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.277	77	1737	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	9.292	70	33120	16.724	ng	# 74
31) Naphthalene	10.989	128	18622	2.644	ng	# 95
32) Benzoic acid	10.549	122	57	5.708	ng	# 1
37) 2-Methylnaphthalene	12.581	142	23612	4.578	ng	94
38) 1-Methylnaphthalene	12.805	142	24476	4.862	ng	# 99
51) 2,6-Dinitrotoluene	14.743	165	14635	11.597	ng	# 25
67) 4-Bromophenyl-phenylether	16.235	248	8816	3.240	ng	# 1
71) Phenanthrene	17.533	178	146523	12.136	ng	97
75) Fluoranthene	19.542	202	218815	14.277	ng	98
78) Pyrene	19.901	202	183735	12.448	ng	98
81) Benzo(a)anthracene	21.751	228	109946	7.716	ng	96
83) Chrysene	21.822	228	114252	8.529	ng	98
87) Indeno(1,2,3-cd)pyrene	28.853	276	66153	4.363	ng	# 88
88) Benzo(b)fluoranthene	24.030	252	150356	10.932	ng	96
89) Benzo(k)fluoranthene	24.030	252	150356	11.112	ng	96
90) Benzo(a)pyrene	24.923	252	90091	7.739	ng	99
92) Benzo(g,h,i)perylene	30.022	276	59919	4.847	ng	99

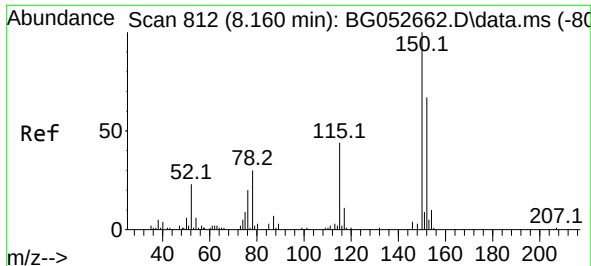
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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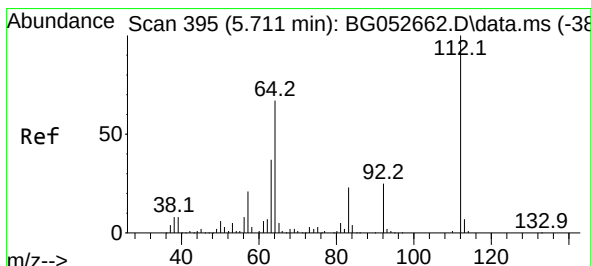
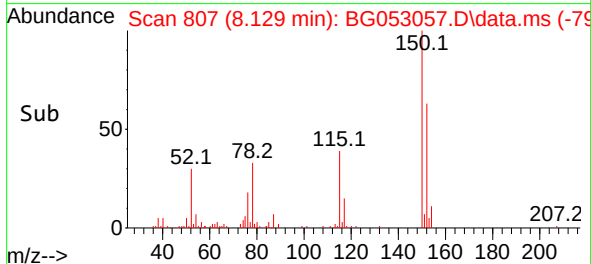
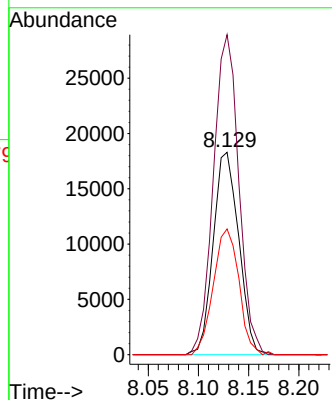
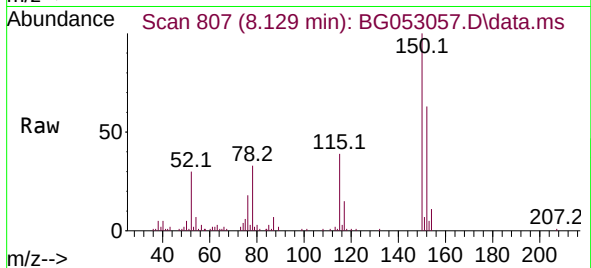




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 80
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

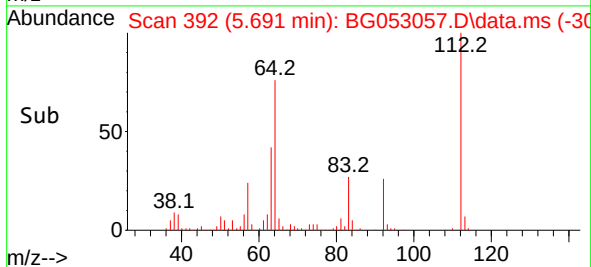
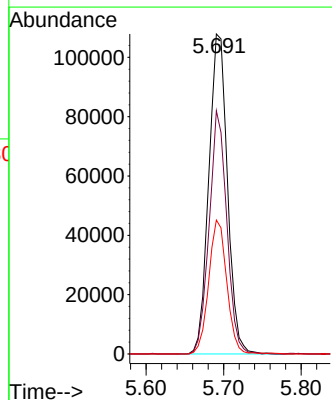
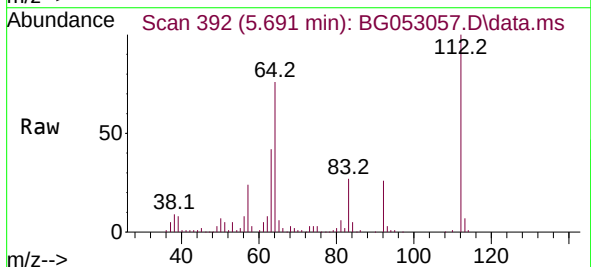
Instrument :
BNA_G
ClientSampleId :
A10015

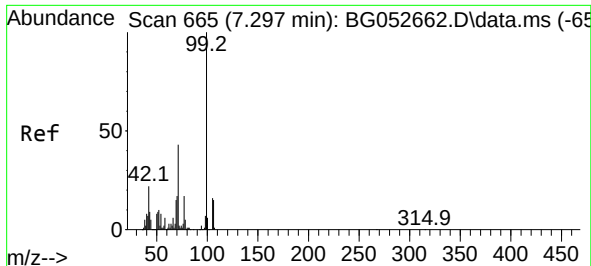
Tgt Ion:152 Resp: 32299
Ion Ratio Lower Upper
152 100
150 158.2 114.6 172.0
115 62.1 45.9 68.9



#5
2-Fluorophenol
Concen: 97.403 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.006 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:112 Resp: 180649
Ion Ratio Lower Upper
112 100
64 76.0 48.0 72.0#
63 41.9 26.5 39.7#

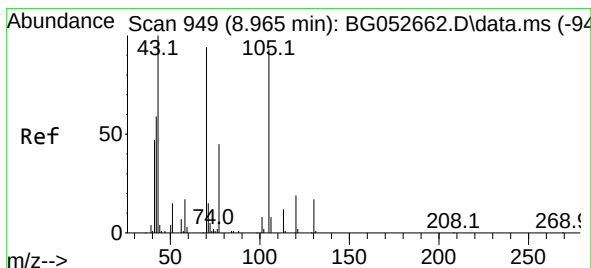
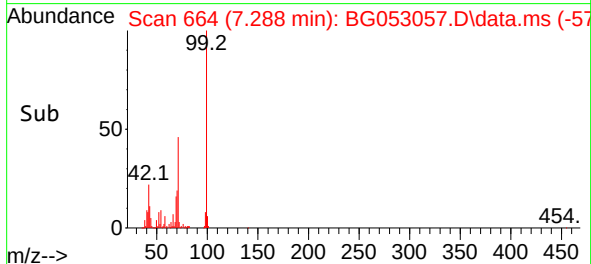
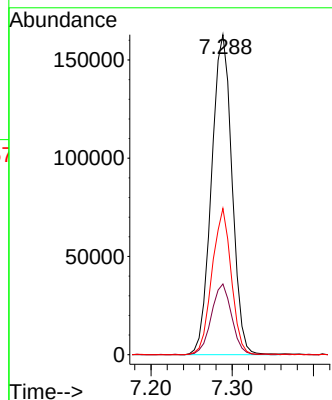
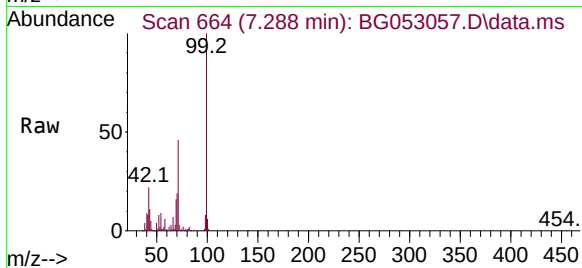




#7
Phenol-d6
Concen: 101.965 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

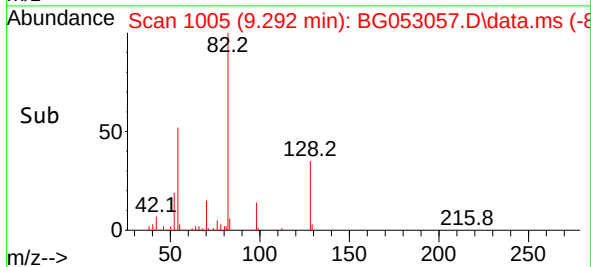
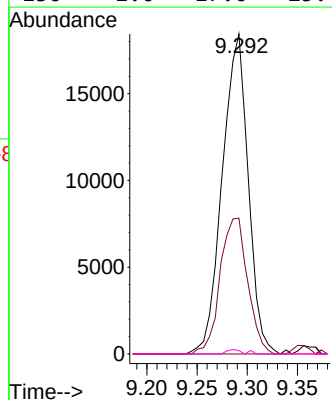
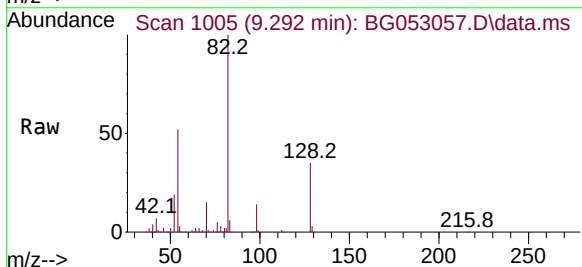
Instrument :
BNA_G
ClientSampleId :
A10015

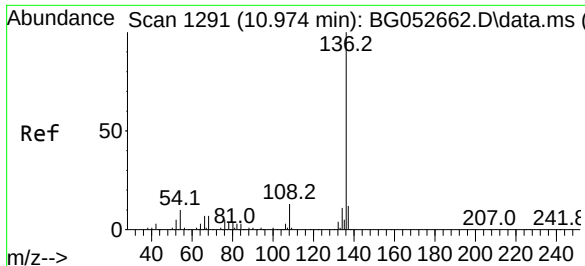
Tgt Ion: 99 Resp: 285102
Ion Ratio Lower Upper
99 100
42 22.1 14.7 22.1#
71 45.7 29.2 43.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.724 ng
RT: 9.292 min Scan# 1005
Delta R.T. 0.365 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion: 70 Resp: 33120
Ion Ratio Lower Upper
70 100
42 42.5 46.0 69.0#
101 0.0 6.2 9.4#
130 1.0 17.0 25.4#

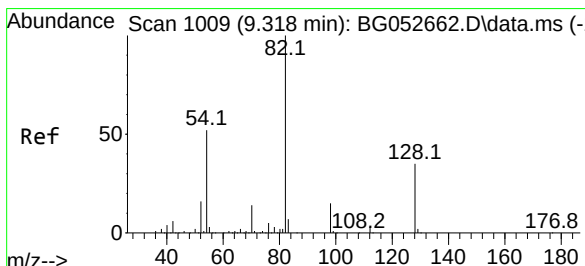
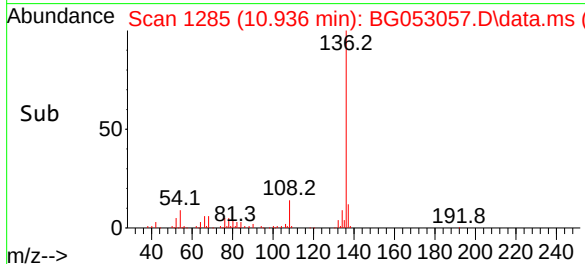
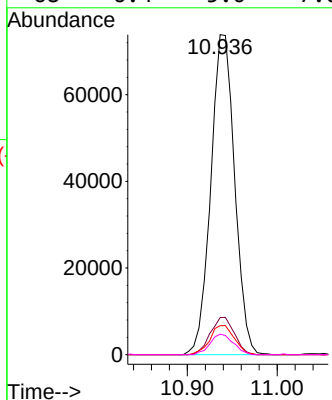
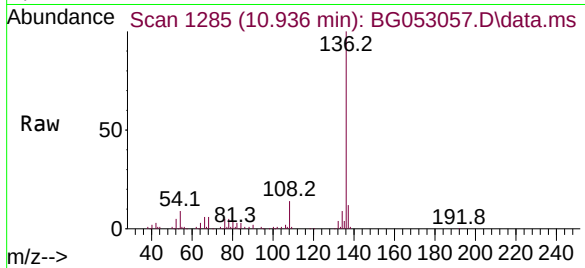




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.936 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

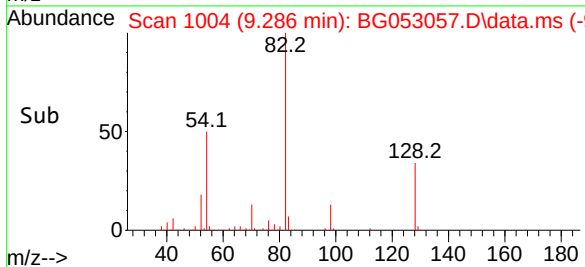
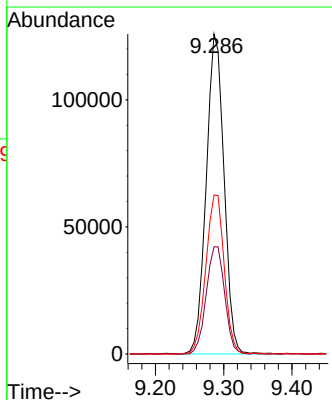
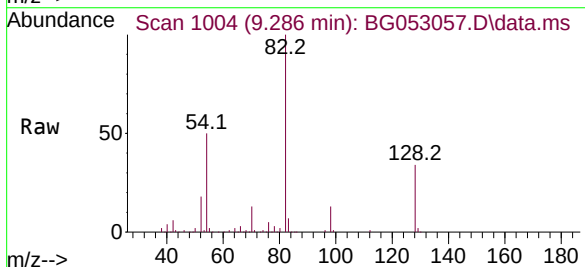
Instrument :
BNA_G
ClientSampleId :
A10015

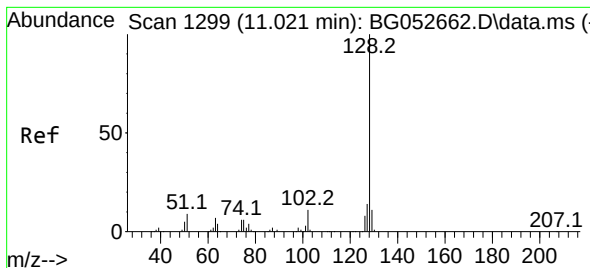
Tgt Ion:	136	Resp:	136199
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.4	14.2
54	9.1	6.4	9.6
68	6.4	5.0	7.6



#23
Nitrobenzene-d5
Concen: 84.176 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:	82	Resp:	228425
Ion Ratio	Lower	Upper	
82	100		
128	33.5	31.3	46.9
54	49.6	37.8	56.8





#31

Naphthalene

Concen: 2.644 ng

RT: 10.989 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

Instrument :

BNA_G

ClientSampleId :

A10015

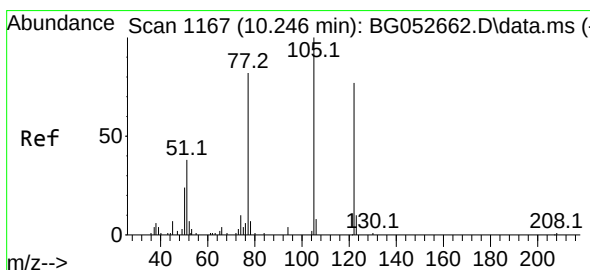
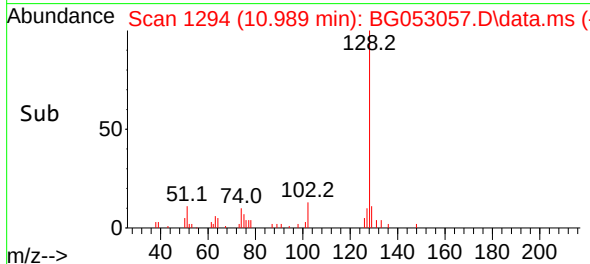
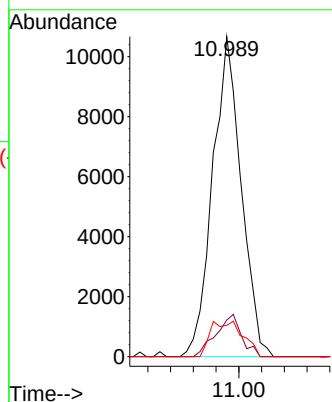
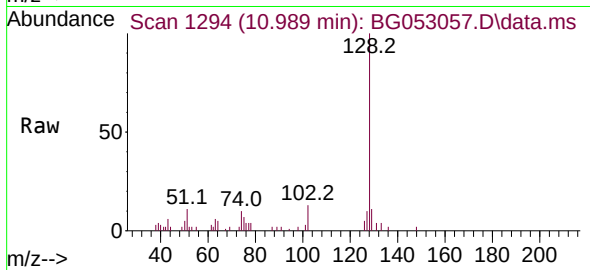
Tgt Ion:128 Resp: 18622

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

127 9.8 10.5 15.7#



#32

Benzoic acid

Concen: 5.708 ng

RT: 10.549 min Scan# 1219

Delta R.T. 0.312 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

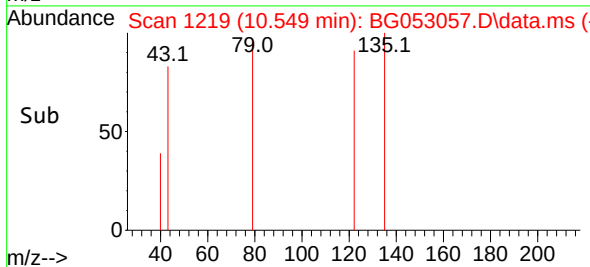
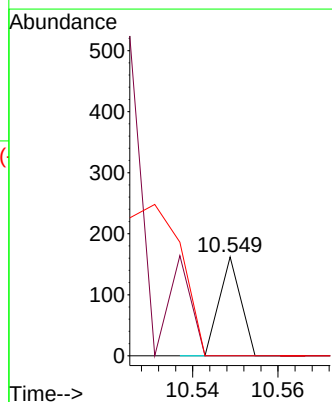
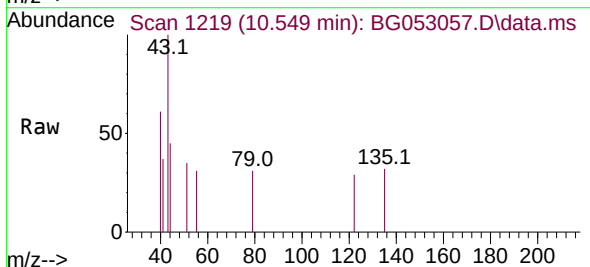
Tgt Ion:122 Resp: 57

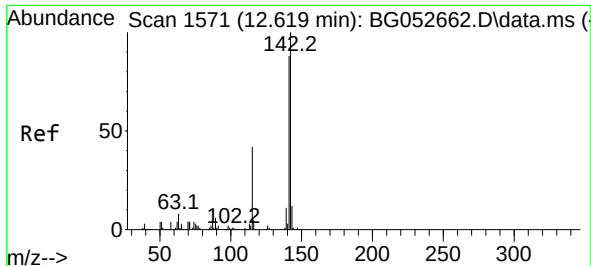
Ion Ratio Lower Upper

122 100

105 0.0 112.8 152.8#

77 0.0 78.4 118.4#

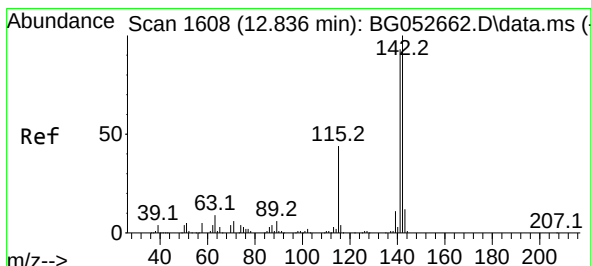
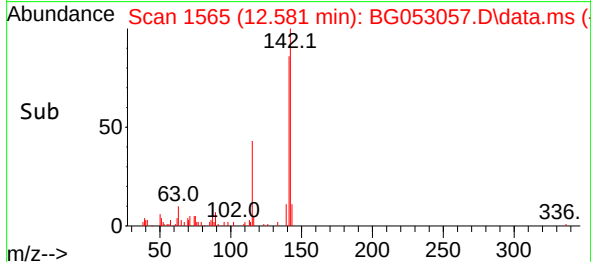
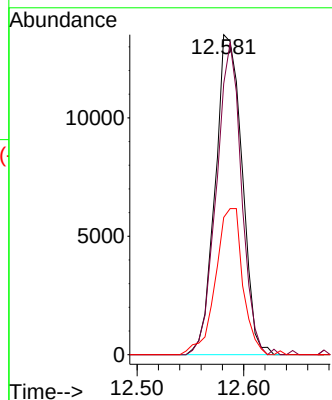
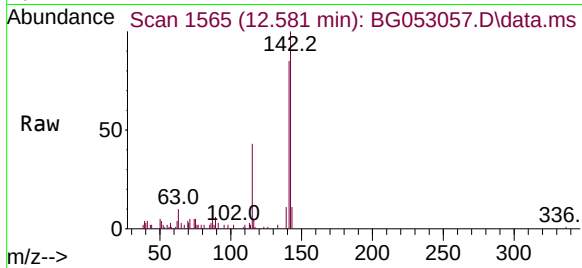




#37
2-Methylnaphthalene
Concen: 4.578 ng
RT: 12.581 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

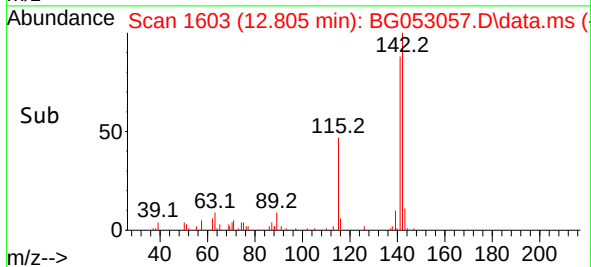
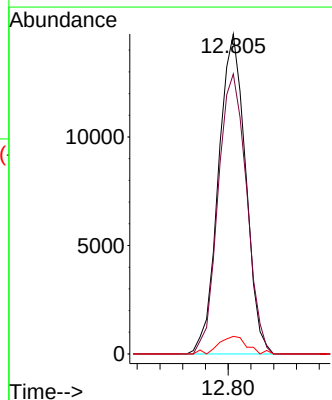
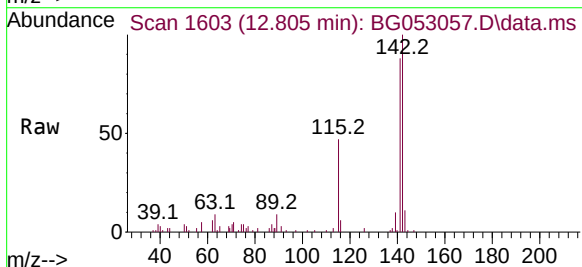
Instrument :
BNA_G
ClientSampleId :
A10015

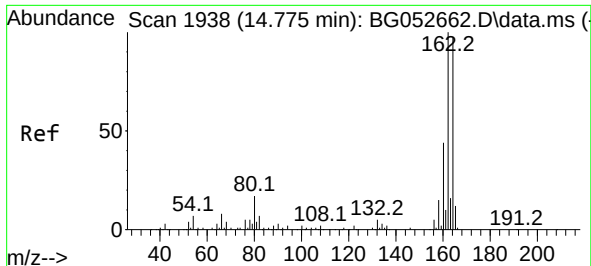
Tgt Ion:142 Resp: 23612
Ion Ratio Lower Upper
142 100
141 84.7 71.3 106.9
115 42.9 29.5 44.3



#38
1-Methylnaphthalene
Concen: 4.862 ng
RT: 12.805 min Scan# 1603
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

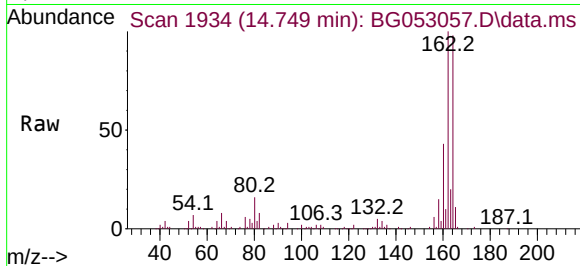
Tgt Ion:142 Resp: 24476
Ion Ratio Lower Upper
142 100
141 87.5 70.5 105.7
116 5.5 3.1 4.7#



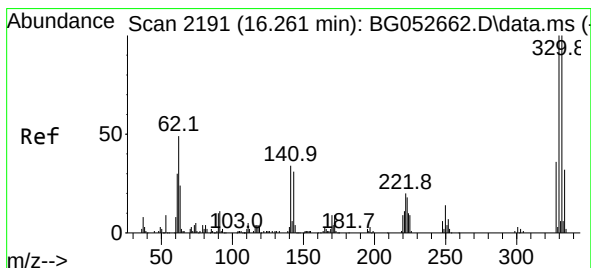
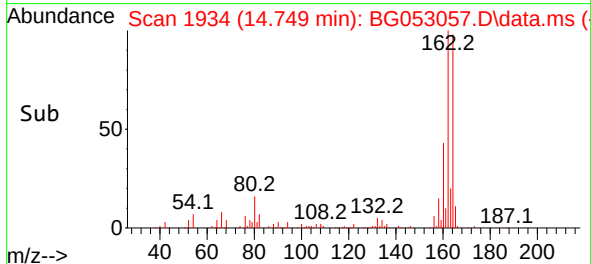
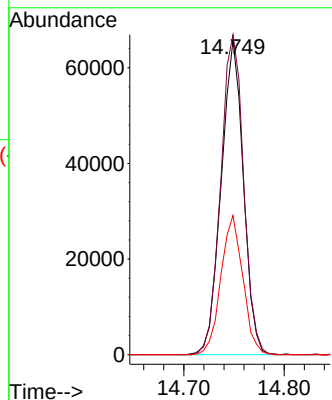


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Instrument :
BNA_G
ClientSampleId :
A10015

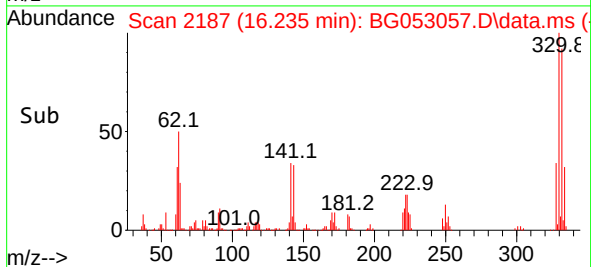
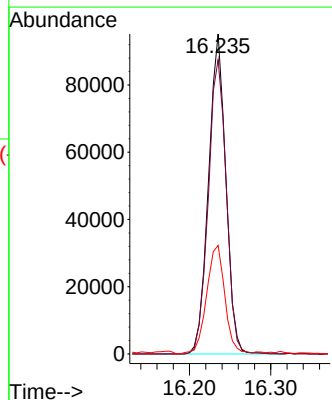
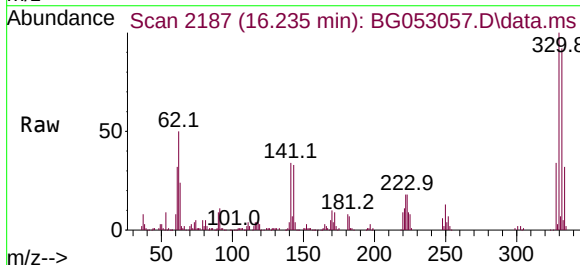


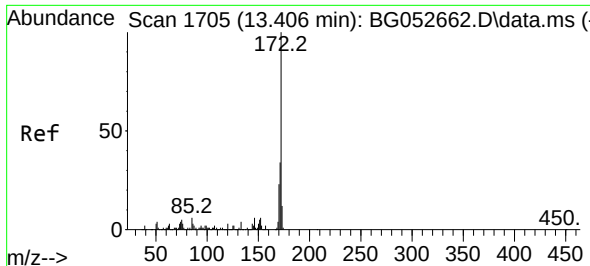
Tgt Ion:164 Resp: 100566
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 44.3 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 103.975 ng
RT: 16.235 min Scan# 2187
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:330 Resp: 140505
Ion Ratio Lower Upper
330 100
332 95.5 75.8 113.6
141 35.9 24.6 36.8

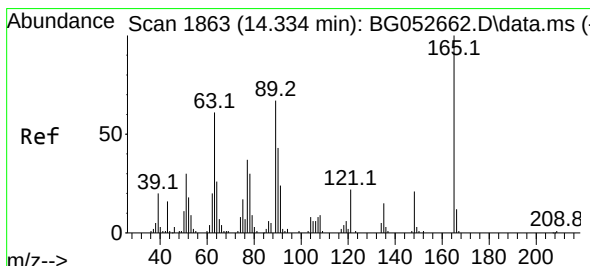
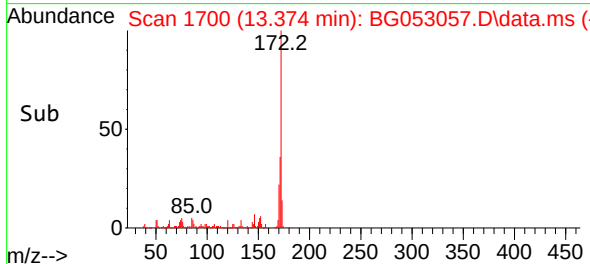
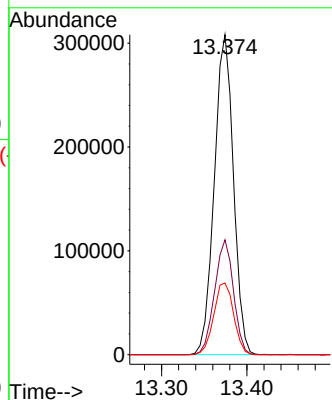
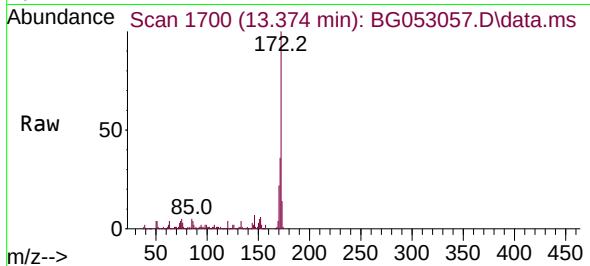




#45
2-Fluorobiphenyl
Concen: 70.416 ng
RT: 13.374 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

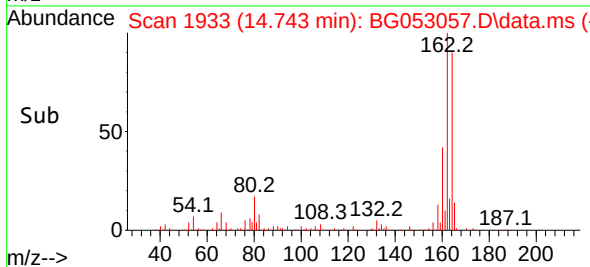
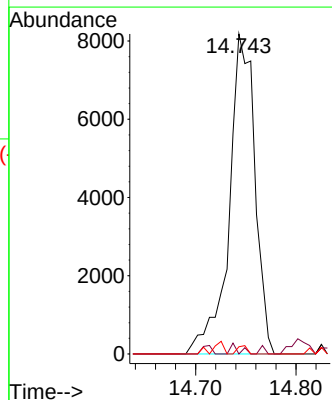
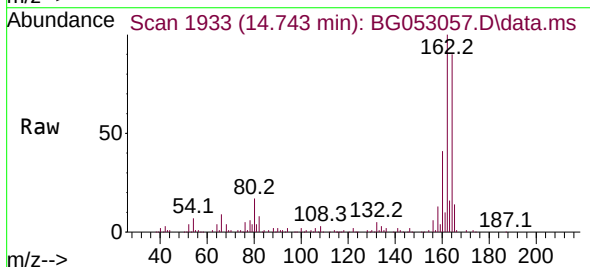
Instrument :
BNA_G
ClientSampleId :
A10015

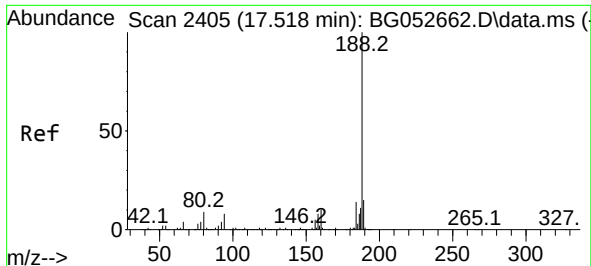
Tgt Ion:172 Resp: 480151
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 22.4 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 11.597 ng
RT: 14.743 min Scan# 1933
Delta R.T. 0.429 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:165 Resp: 14635
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 2.3 45.0 67.4#

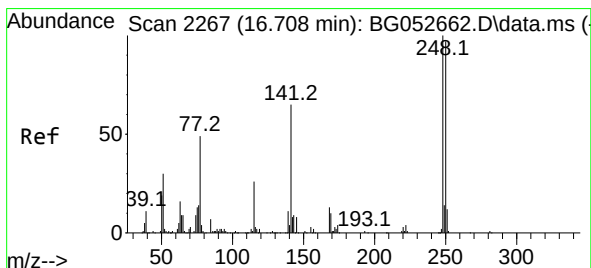
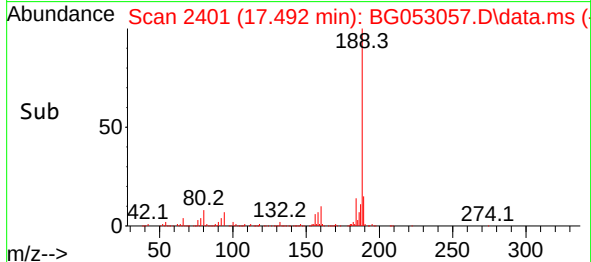
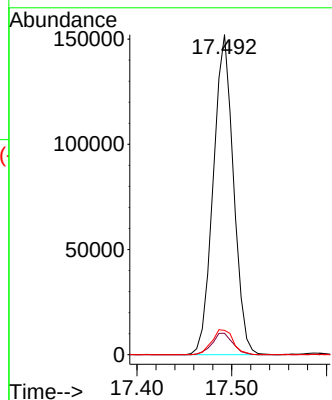
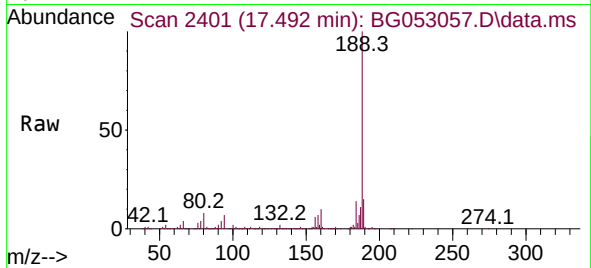




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2405
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

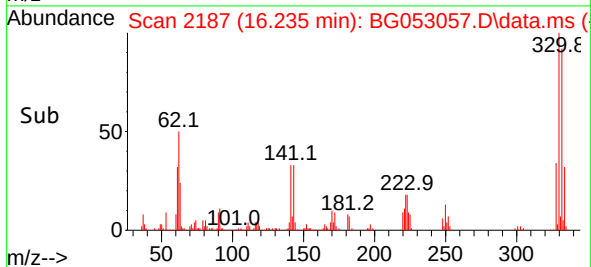
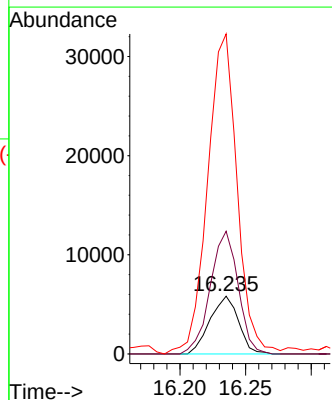
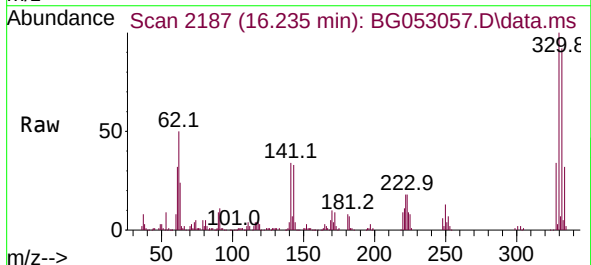
Instrument :
BNA_G
ClientSampleId :
A10015

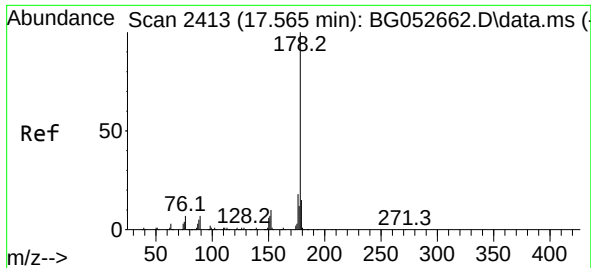
Tgt Ion:188 Resp: 225690
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 7.6 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 3.240 ng
RT: 16.235 min Scan# 2187
Delta R.T. -0.440 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:248 Resp: 8816
Ion Ratio Lower Upper
248 100
250 212.1 77.9 116.9#
141 553.3 49.2 73.8#

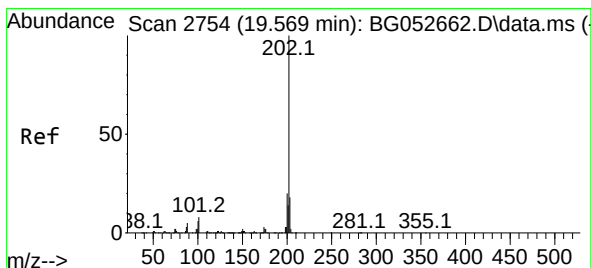
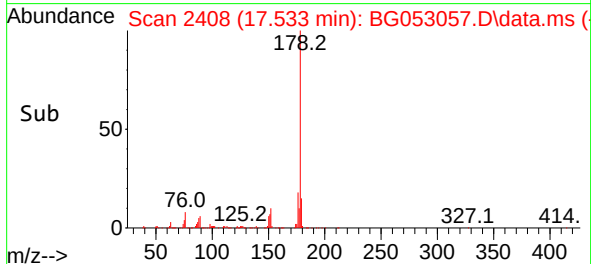
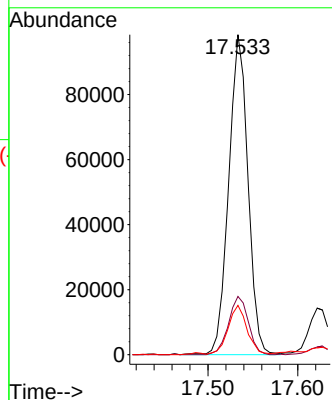
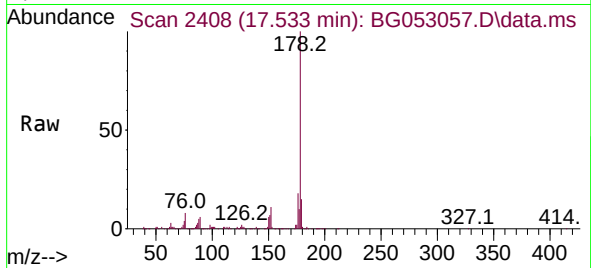




#71
Phenanthrene
Concen: 12.136 ng
RT: 17.533 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

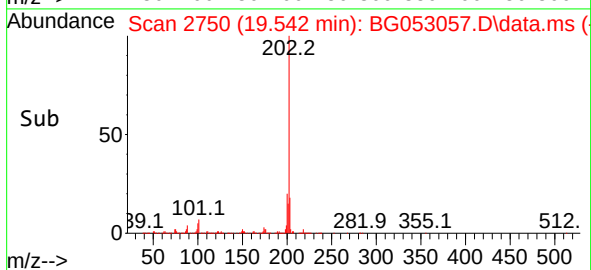
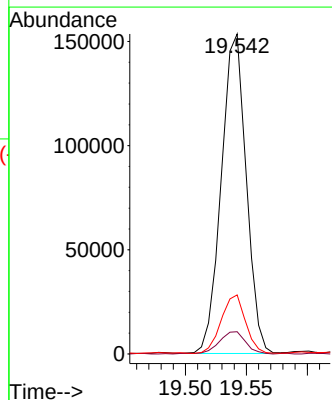
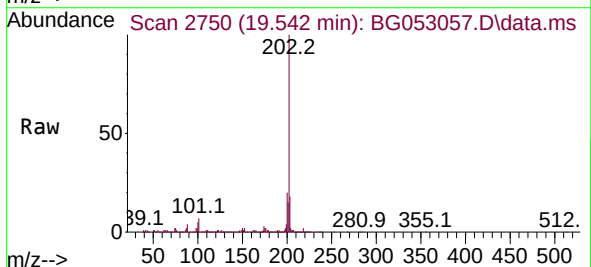
Instrument :
BNA_G
ClientSampleId :
A10015

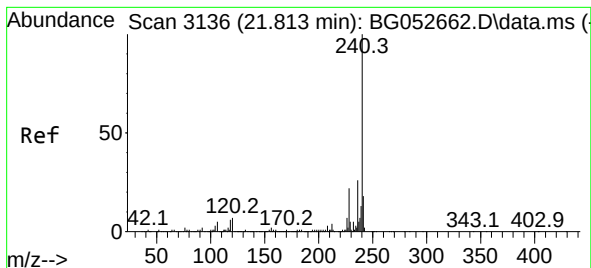
Tgt Ion:178 Resp: 146523
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.4 13.4 20.2



#75
Fluoranthene
Concen: 14.277 ng
RT: 19.542 min Scan# 2750
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:202 Resp: 218815
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.3
203 18.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.775 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

Instrument :

BNA_G

ClientSampleId :

A10015

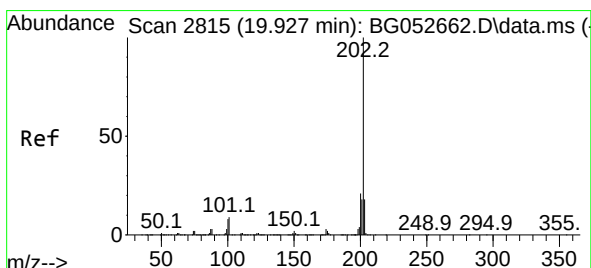
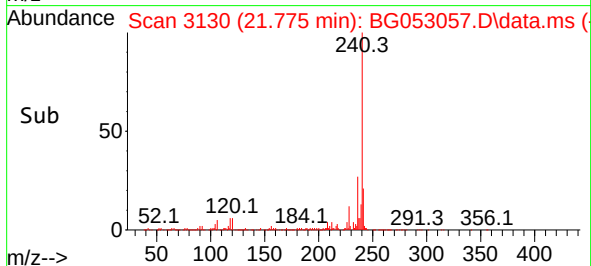
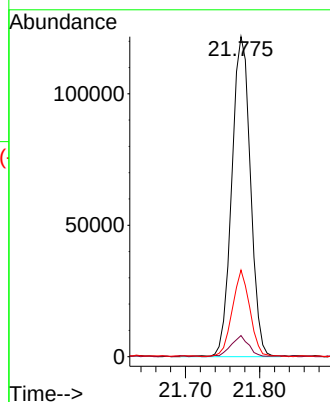
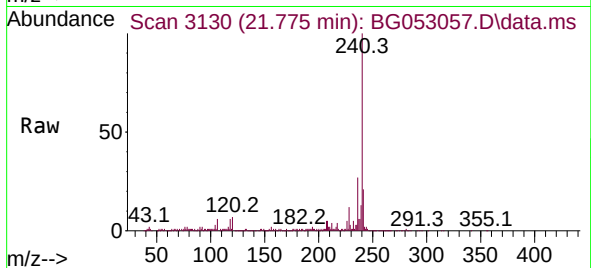
Tgt Ion:240 Resp: 212785

Ion Ratio Lower Upper

240 100

120 6.6 5.4 8.0

236 27.1 19.8 29.6



#78

Pyrene

Concen: 12.448 ng

RT: 19.901 min Scan# 2811

Delta R.T. 0.001 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

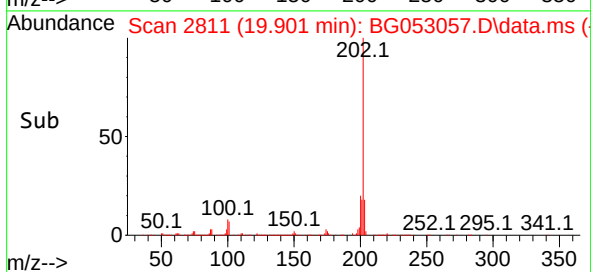
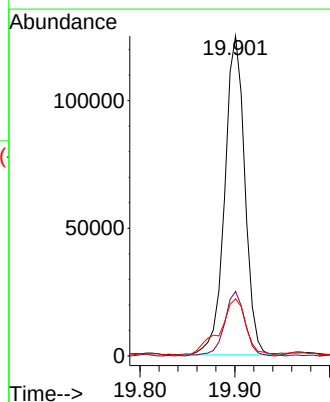
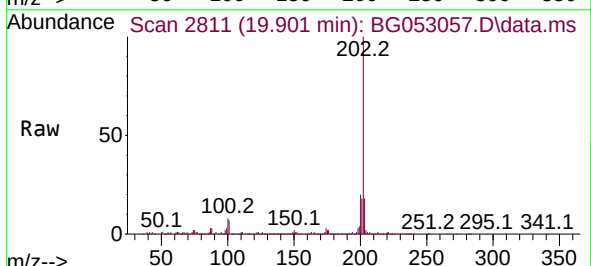
Tgt Ion:202 Resp: 183735

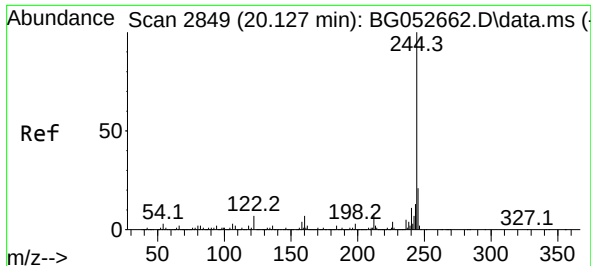
Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

203 17.9 15.0 22.6

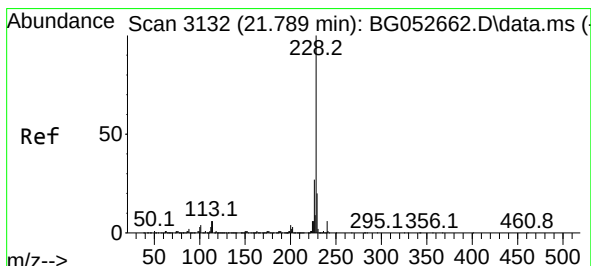
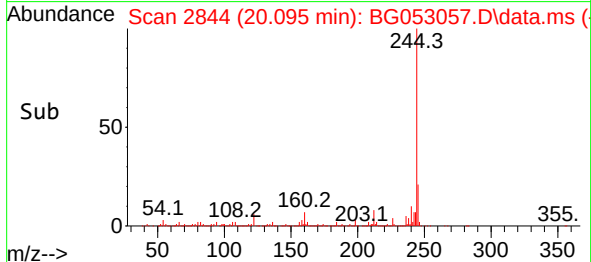
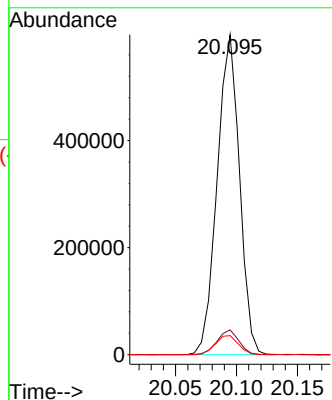
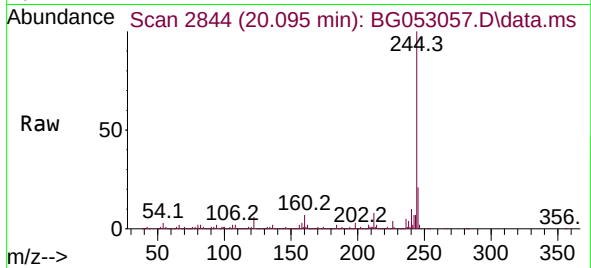




#79
 Terphenyl-d14
 Concen: 63.692 ng
 RT: 20.095 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053057.D
 Acq: 6 Apr 2022 16:29

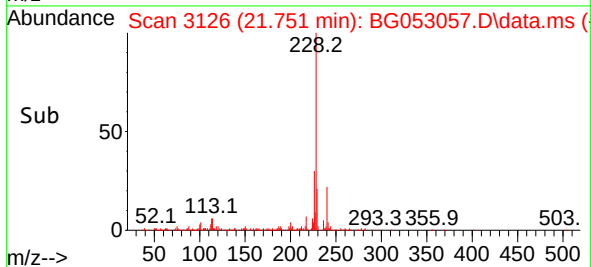
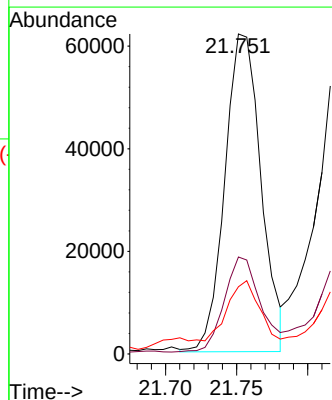
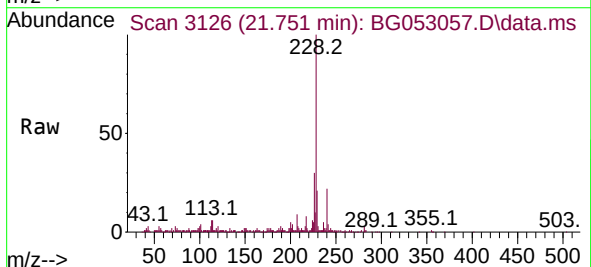
Instrument :
 BNA_G
 ClientSampleId :
 A10015

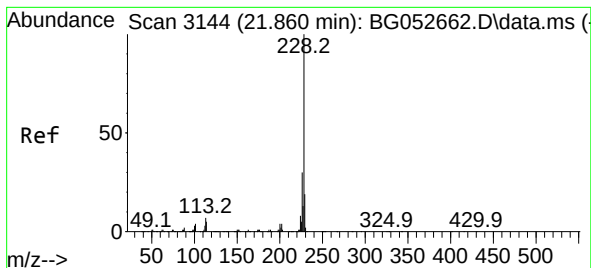
Tgt Ion:244 Resp: 761882
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.0 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 7.716 ng
 RT: 21.751 min Scan# 3126
 Delta R.T. -0.005 min
 Lab File: BG053057.D
 Acq: 6 Apr 2022 16:29

Tgt Ion:228 Resp: 109946
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.4 32.0
 229 21.0 16.7 25.1





#83

Chrysene

Concen: 8.529 ng

RT: 21.822 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

Instrument :

BNA_G

ClientSampleId :

A10015

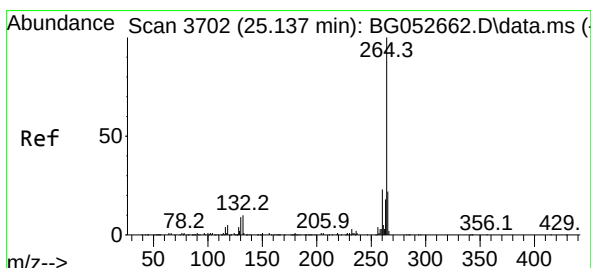
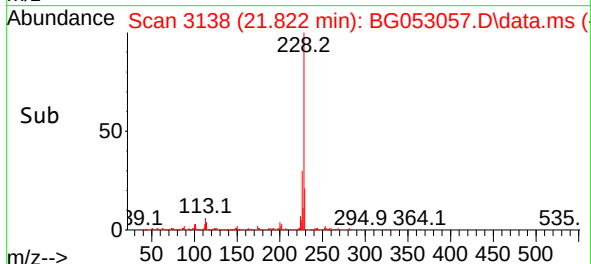
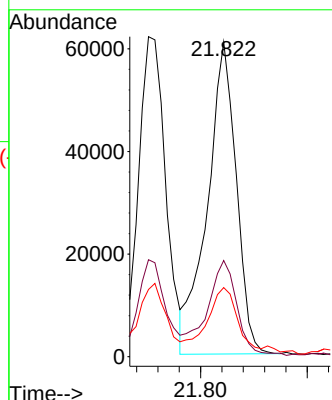
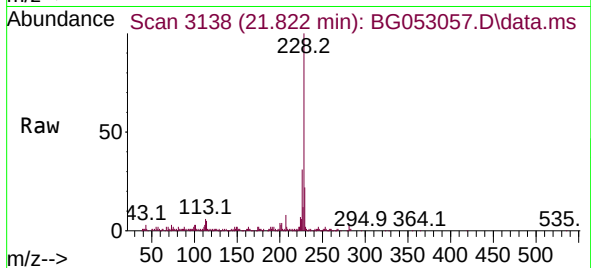
Tgt Ion:228 Resp: 114252

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

229 21.9 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.082 min Scan# 3693

Delta R.T. 0.001 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

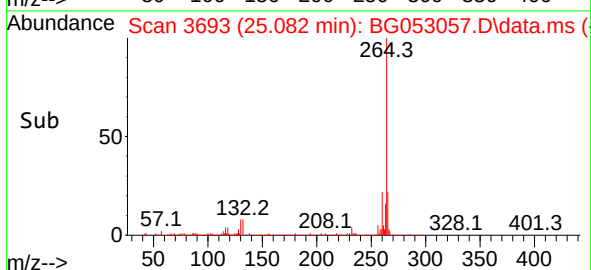
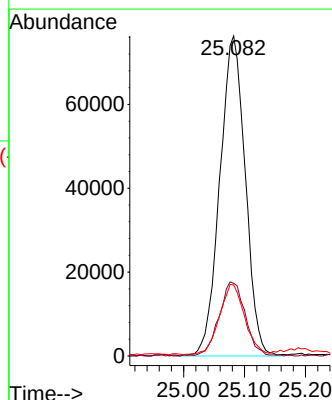
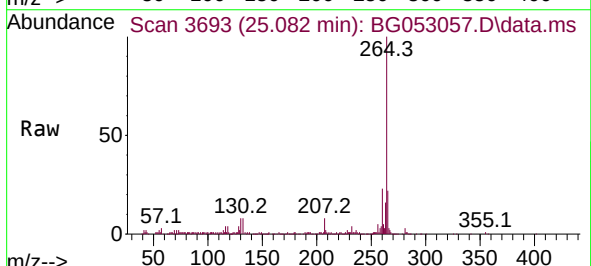
Tgt Ion:264 Resp: 221505

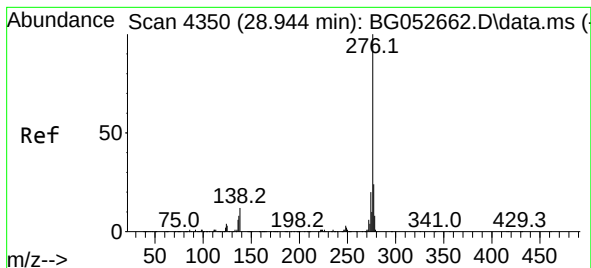
Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 22.2 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.363 ng

RT: 28.853 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

Instrument :

BNA_G

ClientSampleId :

A10015

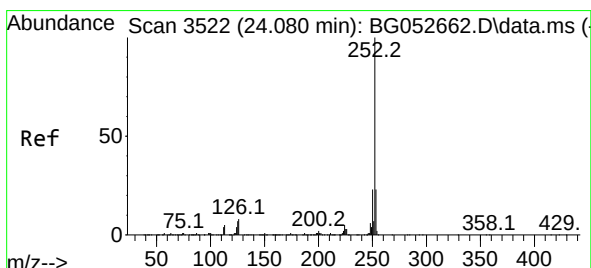
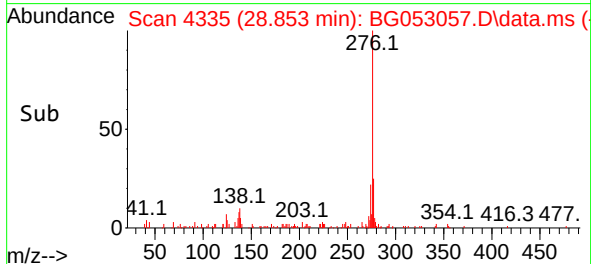
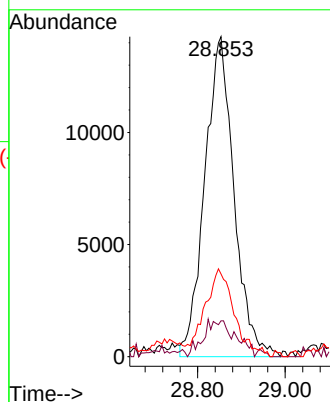
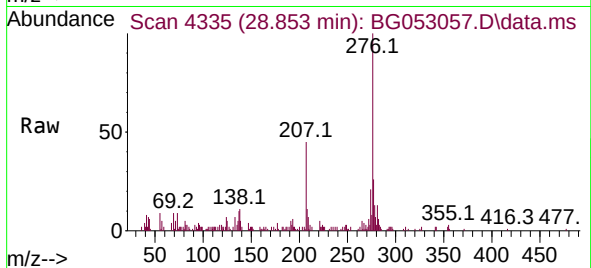
Tgt Ion:276 Resp: 66153

Ion Ratio Lower Upper

276 100

138 0.0 8.7 13.1#

277 27.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.932 ng

RT: 24.030 min Scan# 3514

Delta R.T. 0.001 min

Lab File: BG053057.D

Acq: 6 Apr 2022 16:29

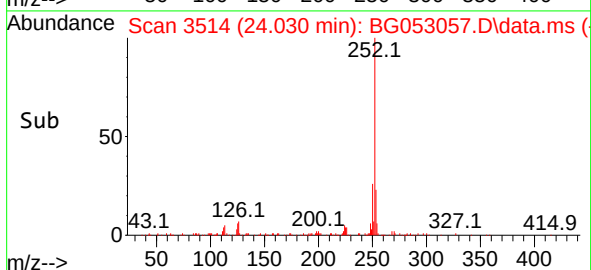
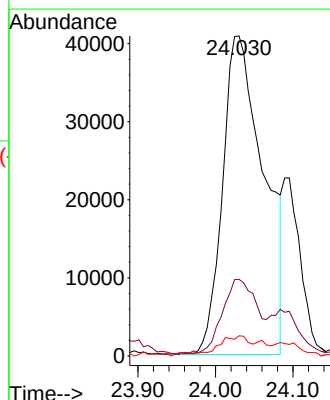
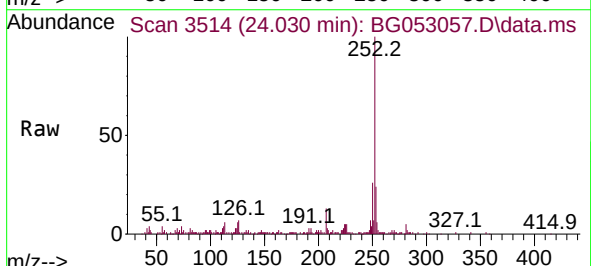
Tgt Ion:252 Resp: 150356

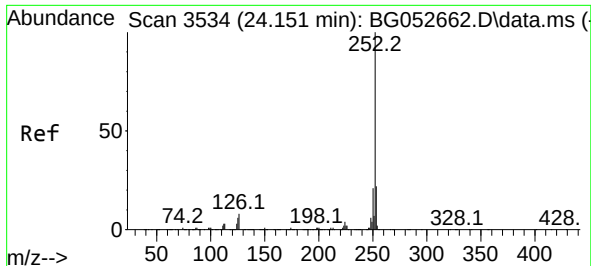
Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 6.3 5.2 7.8

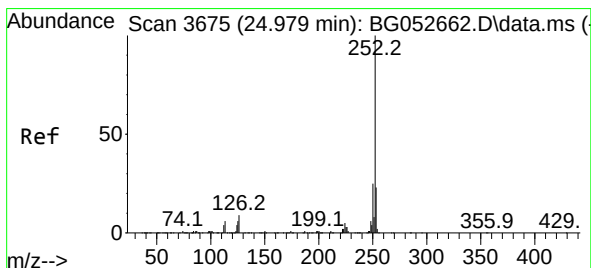
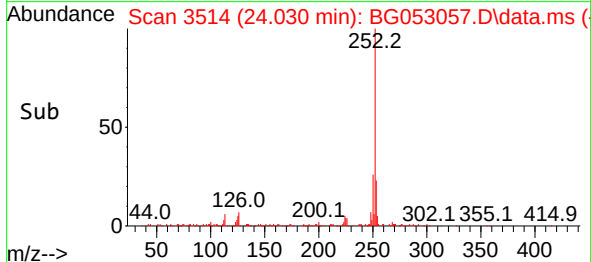
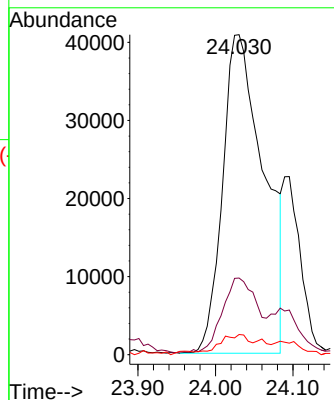
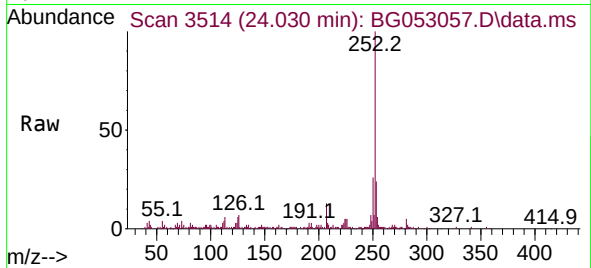




#89
Benzo(k)fluoranthene
Concen: 11.112 ng
RT: 24.030 min Scan# 31
Delta R.T. -0.070 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

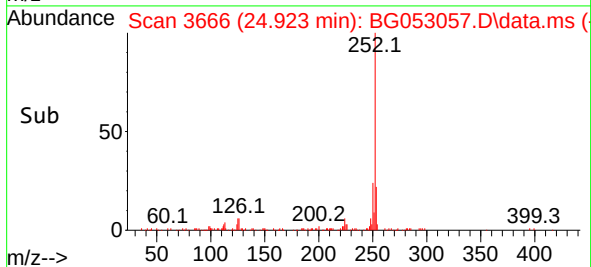
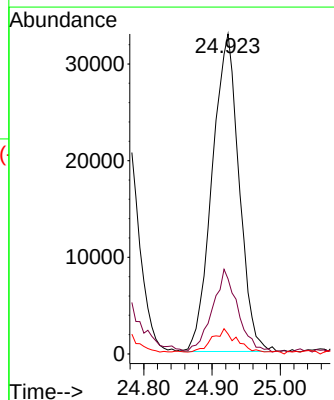
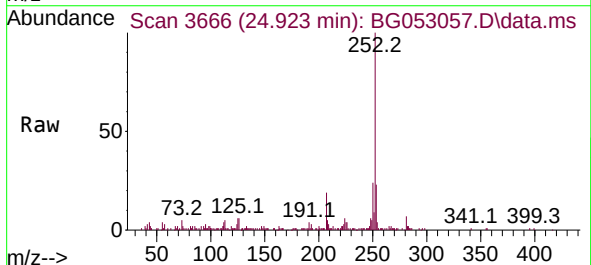
Instrument :
BNA_G
ClientSampleId :
A10015

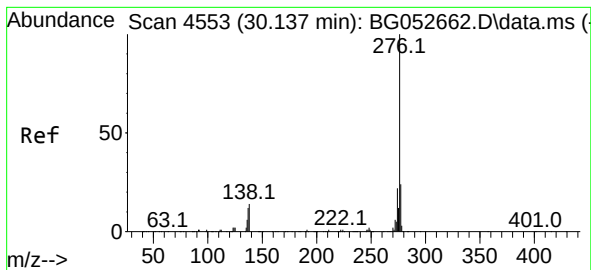
Tgt Ion:252 Resp: 150356
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 6.3 5.0 7.4



#90
Benzo(a)pyrene
Concen: 7.739 ng
RT: 24.923 min Scan# 3666
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:252 Resp: 90091
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 6.2 5.6 8.4





#92

Benzo(g,h,i)perylene

Concen: 4.847 ng

RT: 30.022 min Scan# 4

Delta R.T. -0.029 min

Lab File: BG053057.D

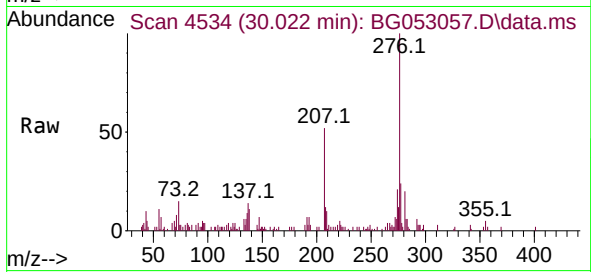
Acq: 6 Apr 2022 16:29

Instrument :

BNA_G

ClientSampleId :

A10015



Tgt Ion:276 Resp: 59919

Ion Ratio Lower Upper

276 100

277 23.7 18.2 27.2

138 11.3 9.1 13.7

