

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053045.D
 Acq On : 5 Apr 2022 23:44
 Operator : CG/JU
 Sample : N2257-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Apr 06 04:16:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

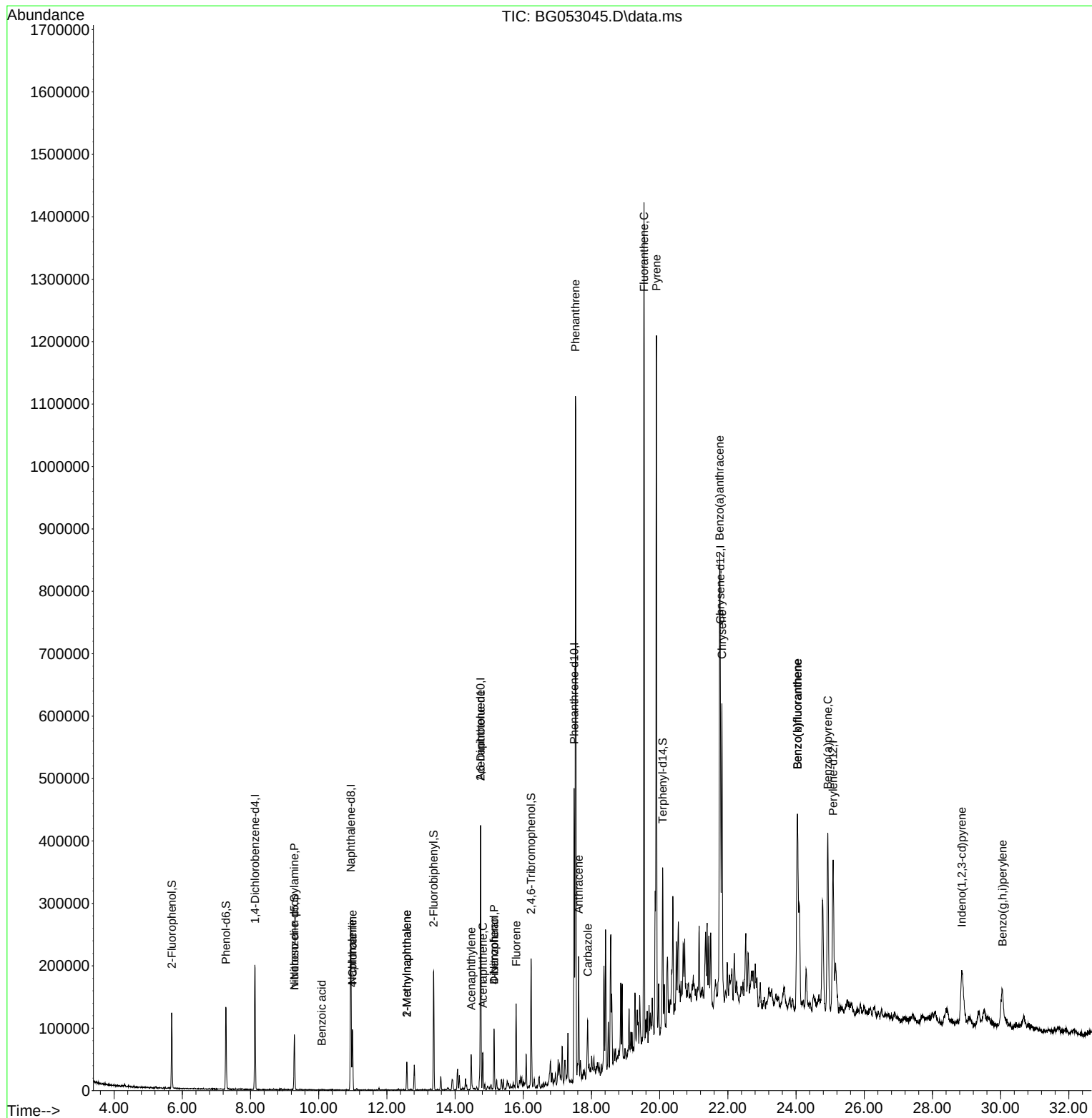
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.135	152	55548	20.000	ng	-0.01
21) Naphthalene-d8	10.943	136	222195	20.000	ng	-0.02
39) Acenaphthene-d10	14.749	164	148711	20.000	ng	-0.02
64) Phenanthrene-d10	17.493	188	294916	20.000	ng	-0.01
76) Chrysene-d12	21.781	240	258435	20.000	ng	#-0.02
86) Perylene-d12	25.088	264	277365	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	48973	15.354	ng	0.00
7) Phenol-d6	7.283	99	76335	15.874	ng	0.00
23) Nitrobenzene-d5	9.286	82	54597	12.333	ng	-0.02
42) 2,4,6-Tribromophenol	16.230	330	28439	14.232	ng	-0.02
45) 2-Fluorobiphenyl	13.375	172	100484	9.966	ng	-0.02
79) Terphenyl-d14	20.089	244	117658	8.099	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.283	77	338	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.286	70	7820	2.296	ng	# 74
31) Naphthalene	10.990	128	78789	6.857	ng	98
32) Benzoic acid	10.091	122	77	5.702	ng	# 1
33) 4-Chloroaniline	10.996	127	11185	2.297	ng	# 42
37) 2-Methylnaphthalene	12.588	142	21797	2.590	ng	93
38) 1-Methylnaphthalene	12.588	142	21797	2.654	ng	94
49) Acenaphthylene	14.473	152	41392	3.170	ng	93
51) 2,6-Dinitrotoluene	14.749	165	20199	10.824	ng	# 28
52) Acenaphthene	14.814	154	22443	2.683	ng	99
55) Dibenzofuran	15.143	168	56119	4.109	ng	99
56) 4-Nitrophenol	15.143	139	21673	12.168	ng	# 2
58) Fluorene	15.795	166	59325	5.328	ng	97
71) Phenanthrene	17.534	178	726221	46.030	ng	98
72) Anthracene	17.628	178	130857	8.390	ng	99
73) Carbazole	17.892	167	59717	3.866	ng	94
75) Fluoranthene	19.543	202	848527	42.369	ng	99
78) Pyrene	19.907	202	777529	43.373	ng	99
81) Benzo(a)anthracene	21.757	228	392602	22.687	ng	98
83) Chrysene	21.828	228	362762	22.298	ng	96
87) Indeno(1,2,3-cd)pyrene	28.865	276	186075	9.801	ng	# 95
88) Benzo(b)fluoranthene	24.043	252	452014	26.247	ng	98
89) Benzo(k)fluoranthene	24.043	252	452014	26.677	ng	98
90) Benzo(a)pyrene	24.936	252	351950	24.143	ng	99
92) Benzo(g,h,i)perylene	30.058	276	155889	10.072	ng	97

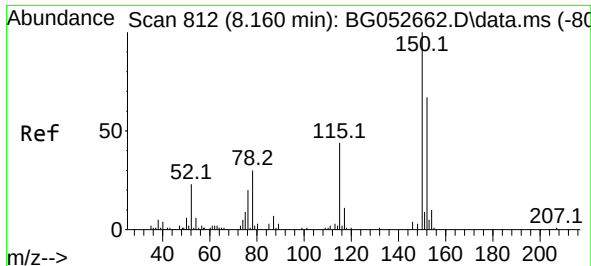
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 05 14:24:42 2022
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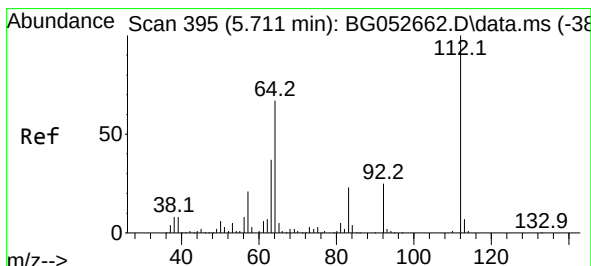
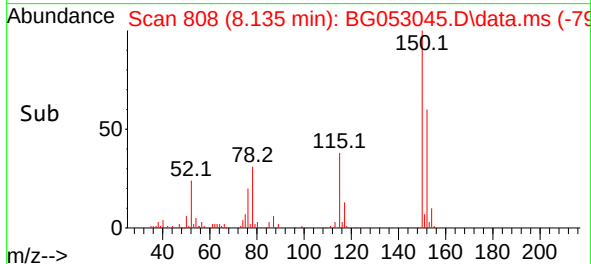
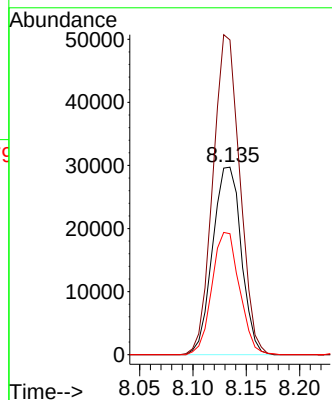
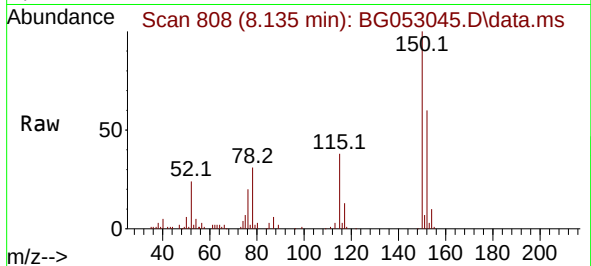




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.135 min Scan# 80
Delta R.T. -0.011 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

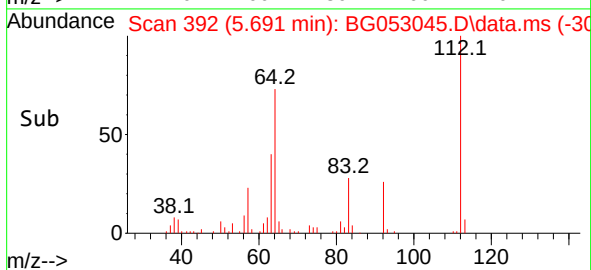
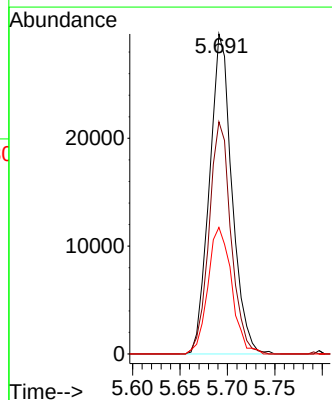
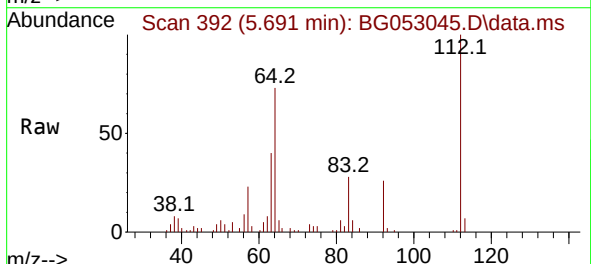
Instrument :
BNA_G
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TP-1

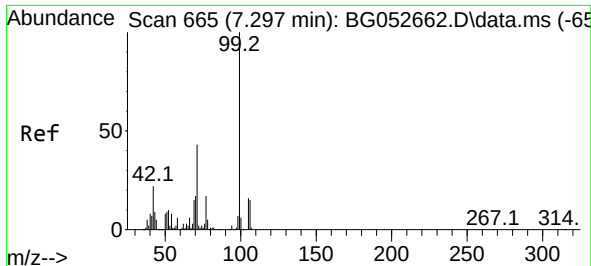
Tgt Ion:152 Resp: 55548
Ion Ratio Lower Upper
152 100
150 167.8 114.6 172.0
115 64.5 45.9 68.9



#5
2-Fluorophenol
Concen: 15.354 ng
RT: 5.691 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:112 Resp: 48973
Ion Ratio Lower Upper
112 100
64 72.6 48.0 72.0#
63 39.6 26.5 39.7

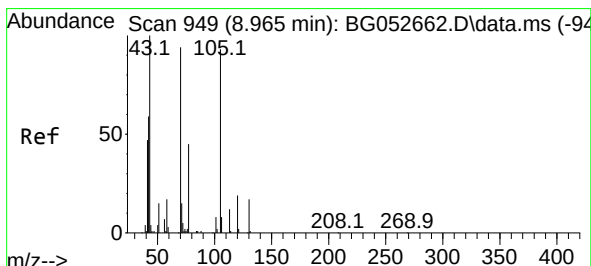
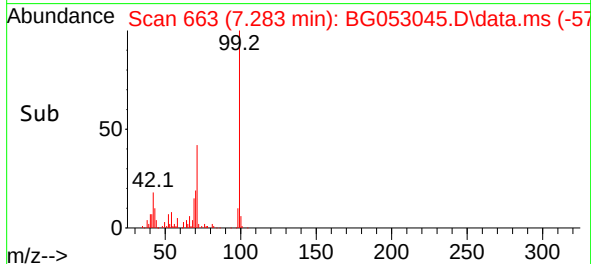
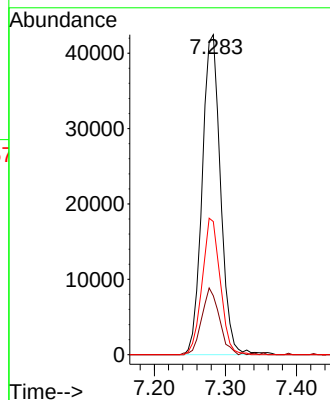
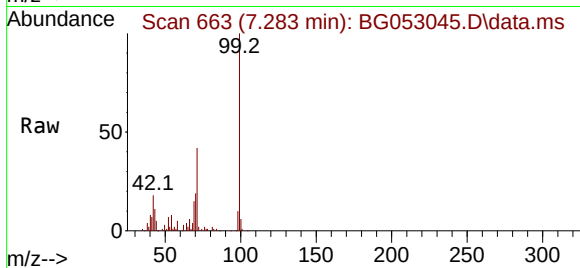




#7
Phenol-d6
Concen: 15.874 ng
RT: 7.283 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

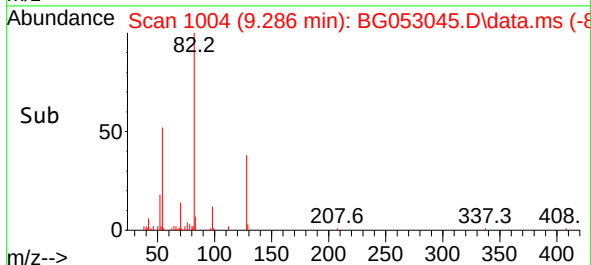
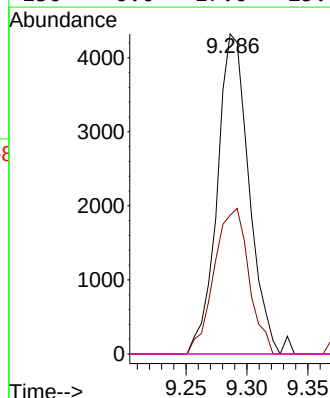
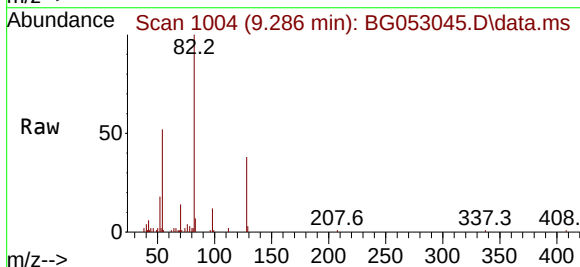
Instrument :
BNA_G
ClientSampleId :
TP-1

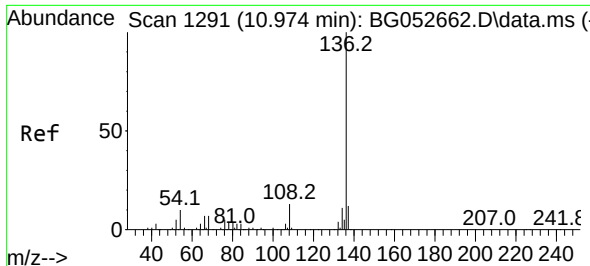
Tgt Ion: 99 Resp: 76335
Ion Ratio Lower Upper
99 100
42 18.4 14.7 22.1
71 41.6 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.296 ng
RT: 9.286 min Scan# 1004
Delta R.T. 0.341 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion: 70 Resp: 7820
Ion Ratio Lower Upper
70 100
42 43.3 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.943 min Scan# 1004
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:136 Resp: 222195

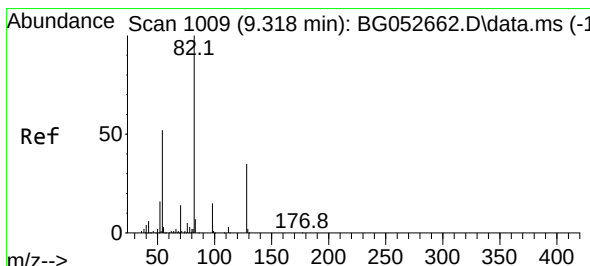
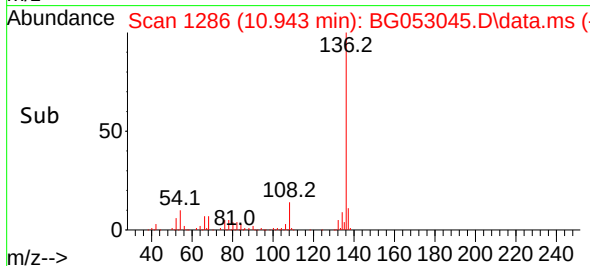
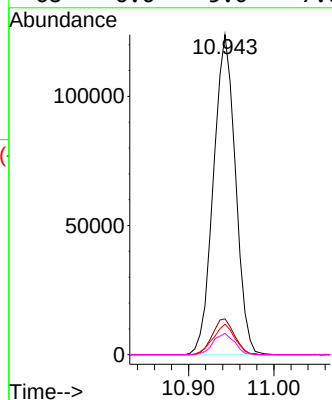
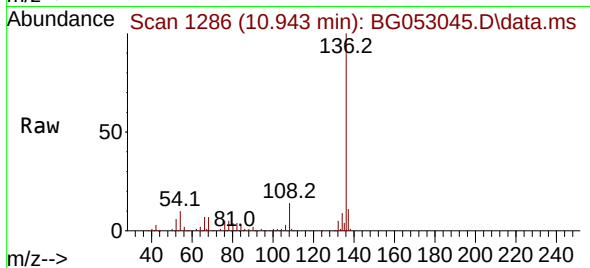
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.2

54 9.6 6.4 9.6

68 6.6 5.0 7.6



#23
Nitrobenzene-d5
Concen: 12.333 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

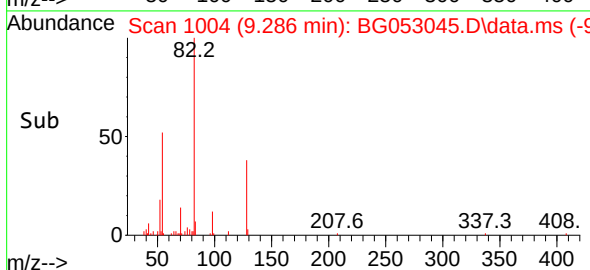
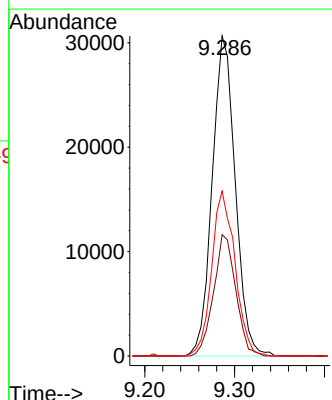
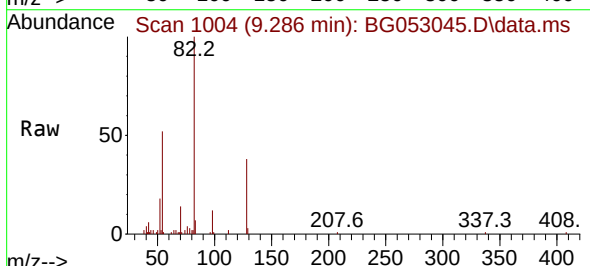
Tgt Ion: 82 Resp: 54597

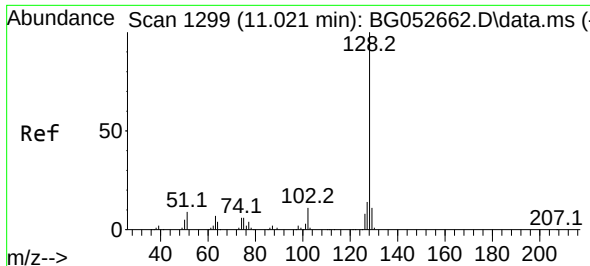
Ion Ratio Lower Upper

82 100

128 37.9 31.3 46.9

54 51.5 37.8 56.8

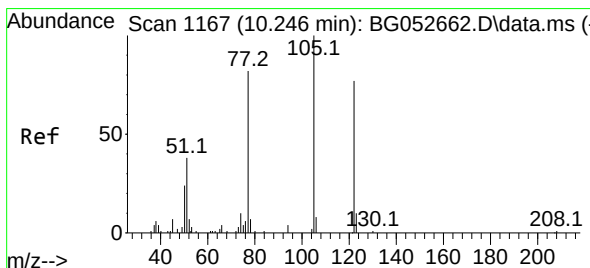
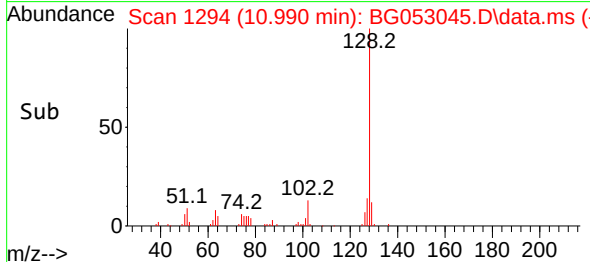
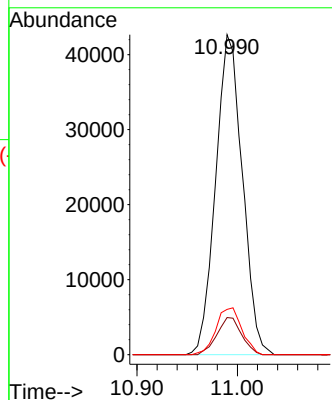
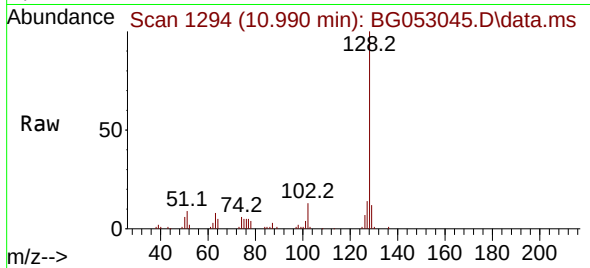




#31
Naphthalene
Concen: 6.857 ng
RT: 10.990 min Scan# 1141
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

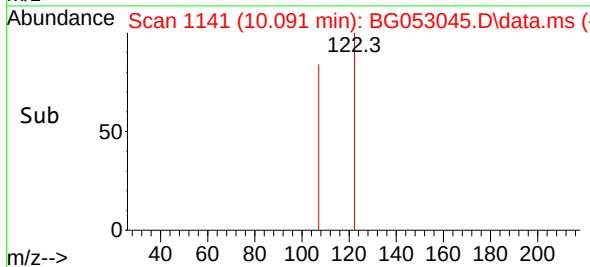
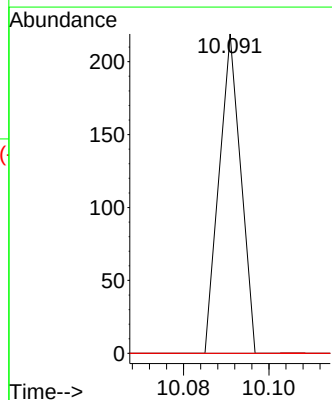
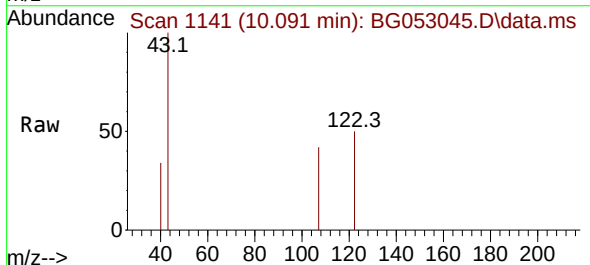
Instrument :
BNA_G
ClientSampleId :
TP-1

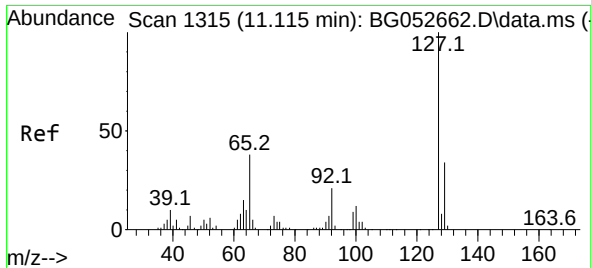
Tgt Ion:128 Resp: 78789
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 14.2 10.5 15.7



#32
Benzoic acid
Concen: 5.702 ng
RT: 10.091 min Scan# 1141
Delta R.T. -0.146 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:122 Resp: 77
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 0.0 78.4 118.4#

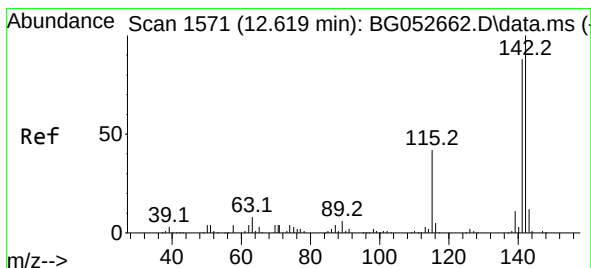
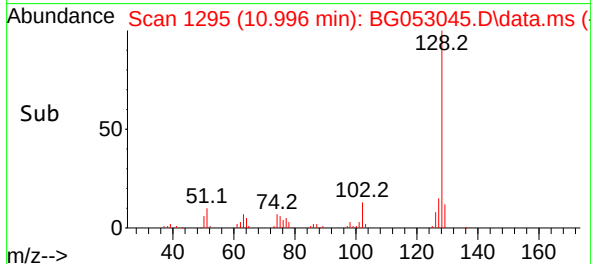
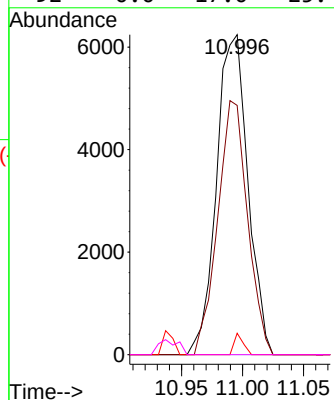
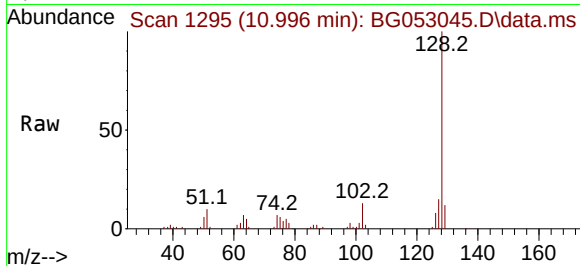




#33
4-Chloroaniline
Concen: 2.297 ng
RT: 10.996 min Scan# 11
Delta R.T. -0.105 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

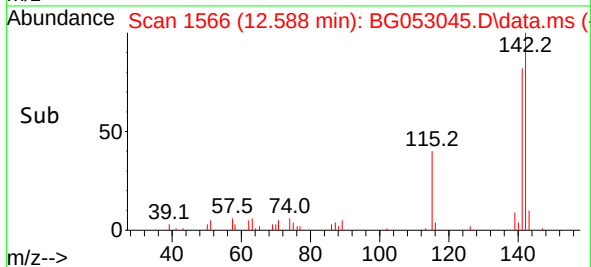
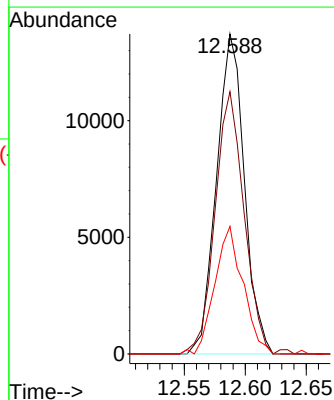
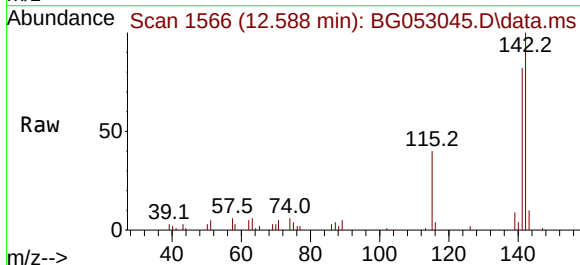
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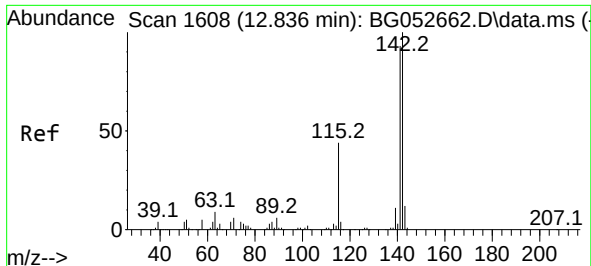
Tgt Ion:127	Resp:	11185
Ion Ratio	Lower	Upper
127	100	
129	77.9	27.6 41.4#
65	6.7	28.2 42.4#
92	0.0	17.0 25.4#



#37
2-Methylnaphthalene
Concen: 2.590 ng
RT: 12.588 min Scan# 1566
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:142	Resp:	21797
Ion Ratio	Lower	Upper
142	100	
141	82.0	71.3 106.9
115	39.9	29.5 44.3





#38

1-Methylnaphthalene

Concen: 2.654 ng

RT: 12.588 min Scan# 1

Delta R.T. -0.235 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

TP-1

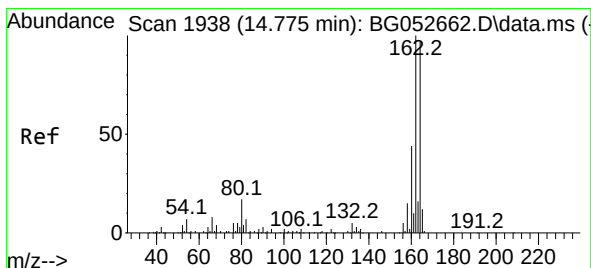
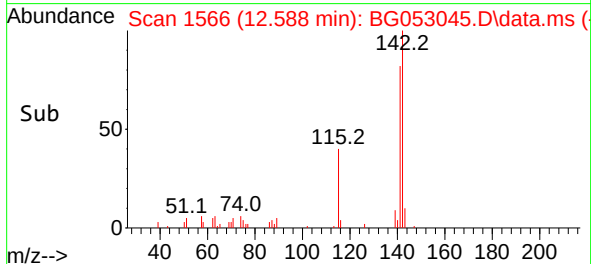
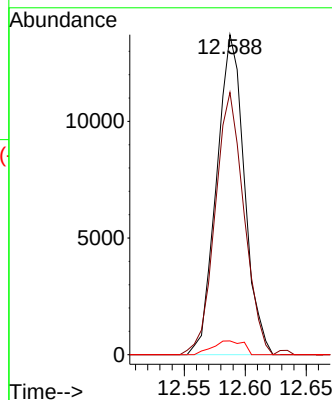
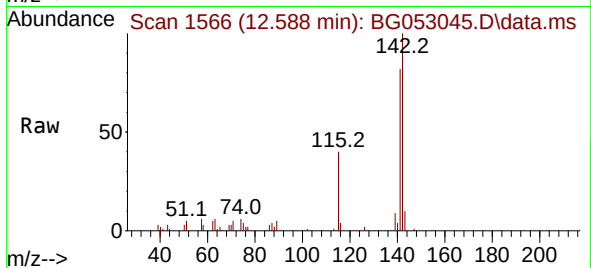
Tgt Ion:142 Resp: 21797

Ion Ratio Lower Upper

142 100

141 82.0 70.5 105.7

116 4.3 3.1 4.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.749 min Scan# 1934

Delta R.T. -0.017 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

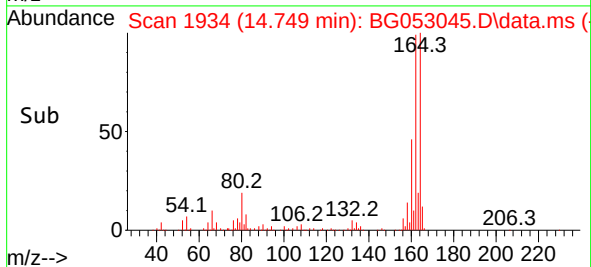
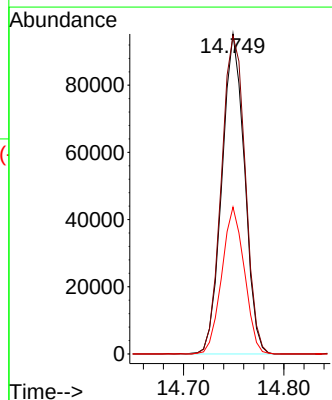
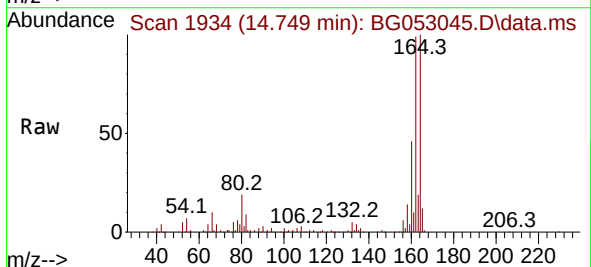
Tgt Ion:164 Resp: 148711

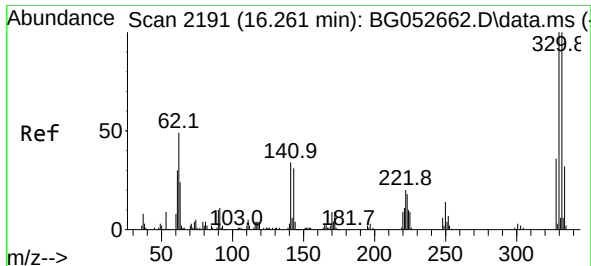
Ion Ratio Lower Upper

164 100

162 99.4 80.0 120.0

160 45.9 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 14.232 ng

RT: 16.230 min Scan# 21

Delta R.T. -0.017 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

TP-1

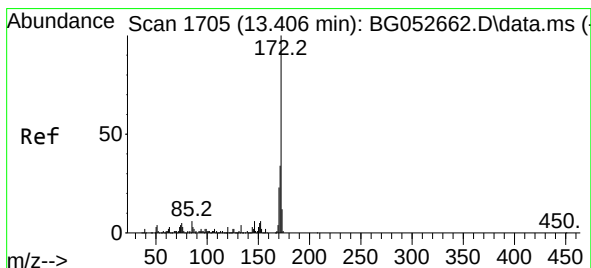
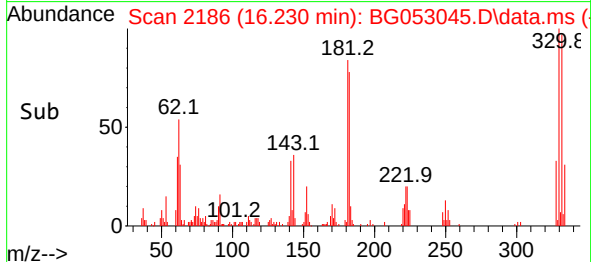
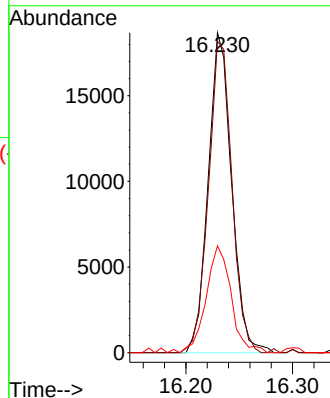
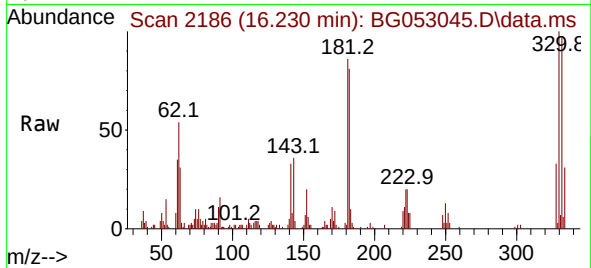
Tgt Ion:330 Resp: 28439

Ion Ratio Lower Upper

330 100

332 97.8 75.8 113.6

141 35.5 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 9.966 ng

RT: 13.375 min Scan# 1700

Delta R.T. -0.017 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

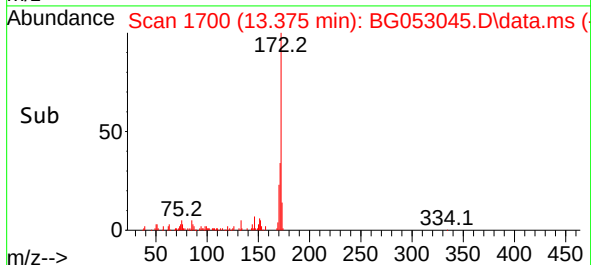
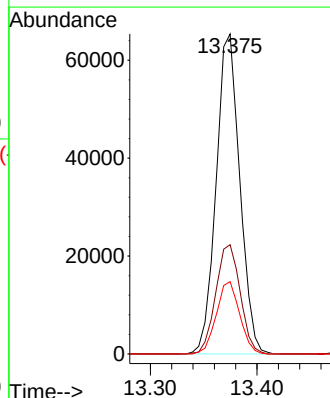
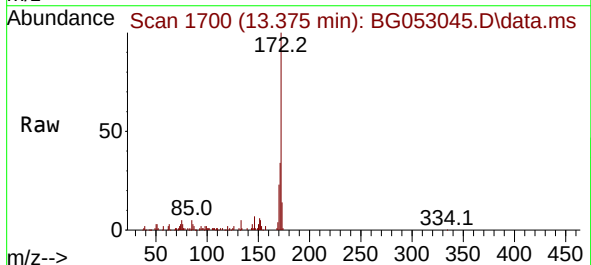
Tgt Ion:172 Resp: 100484

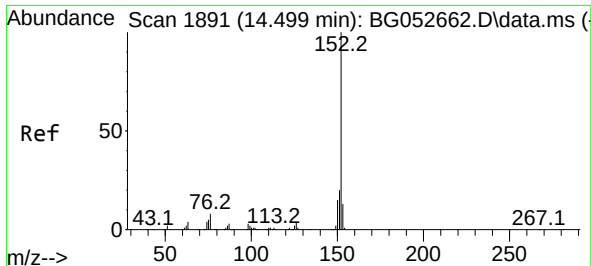
Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 22.6 18.0 27.0

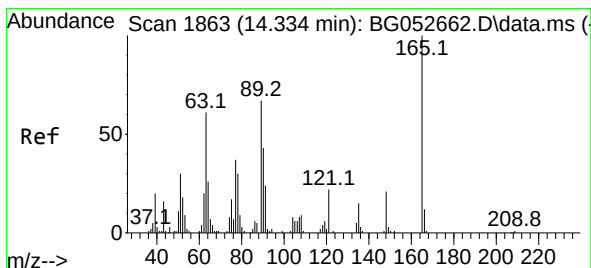
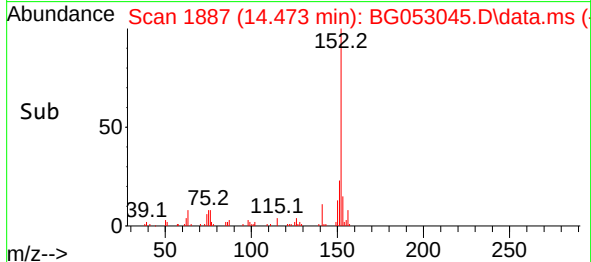
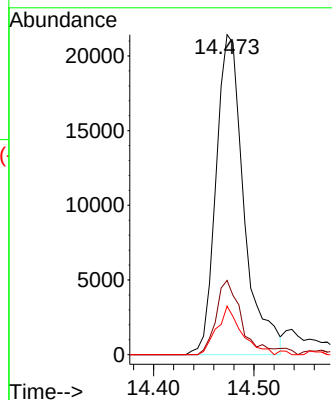
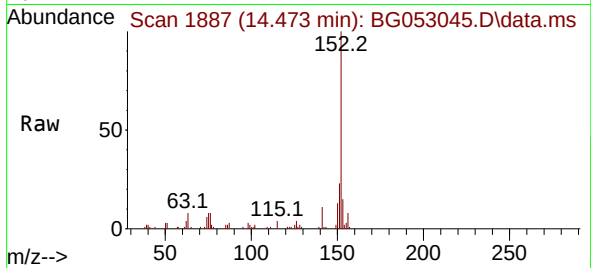




#49
Acenaphthylene
Concen: 3.170 ng
RT: 14.473 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

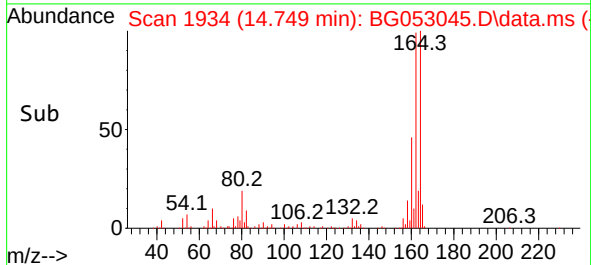
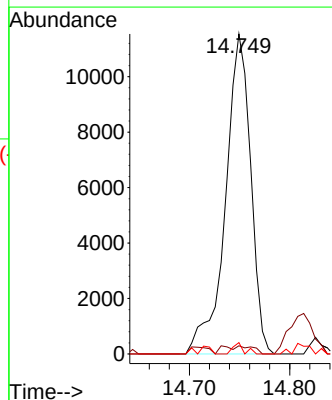
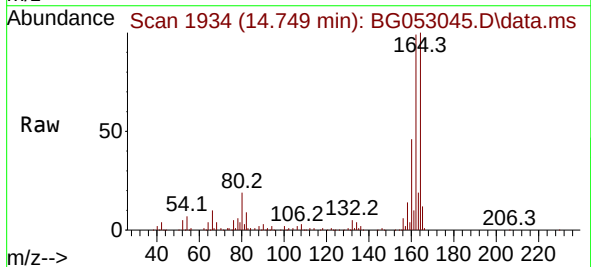
Instrument :
BNA_G
ClientSampleId :
TP-1

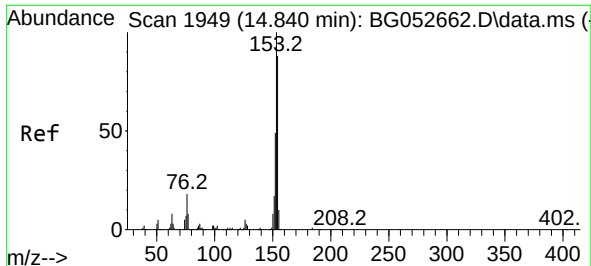
Tgt Ion:152 Resp: 41392
Ion Ratio Lower Upper
152 100
151 23.2 15.8 23.6
153 15.2 10.6 15.8



#51
2,6-Dinitrotoluene
Concen: 10.824 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.423 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:165 Resp: 20199
Ion Ratio Lower Upper
165 100
63 2.6 43.7 65.5#
89 3.5 45.0 67.4#

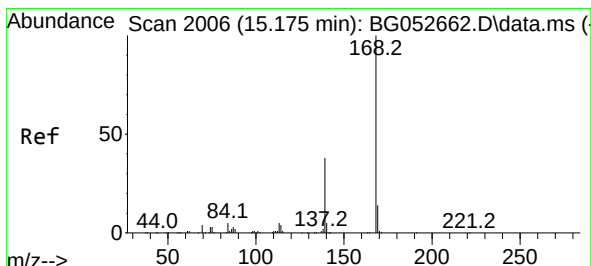
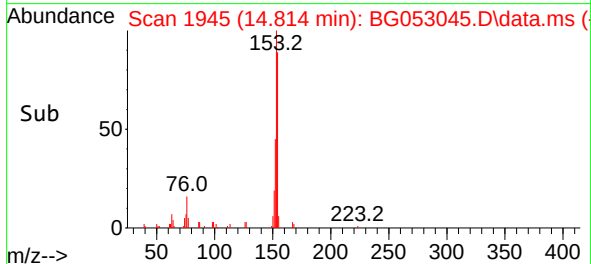
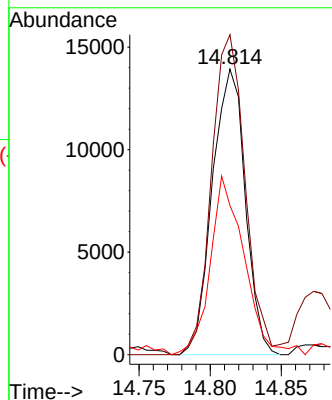
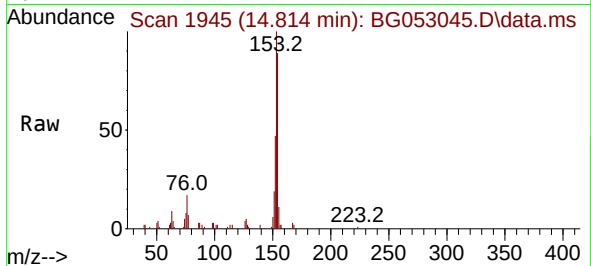




#52
Acenaphthene
Concen: 2.683 ng
RT: 14.814 min Scan# 1945
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

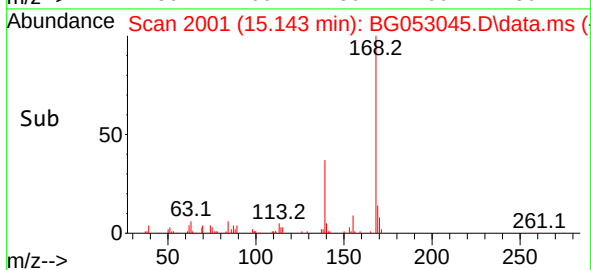
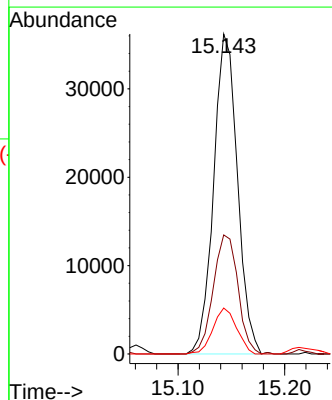
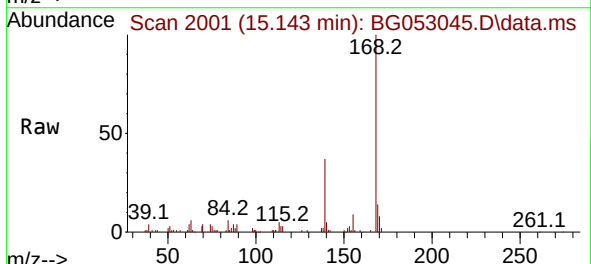
Instrument :
BNA_G
ClientSampleId :
TP-1

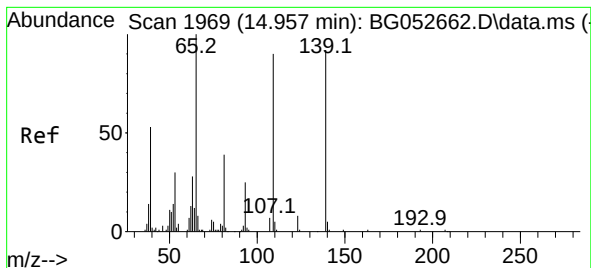
Tgt Ion:154 Resp: 22443
Ion Ratio Lower Upper
154 100
153 112.0 89.0 133.4
152 52.2 40.5 60.7



#55
Dibenzofuran
Concen: 4.109 ng
RT: 15.143 min Scan# 2001
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:168 Resp: 56119
Ion Ratio Lower Upper
168 100
139 37.2 30.2 45.4
169 14.4 10.7 16.1

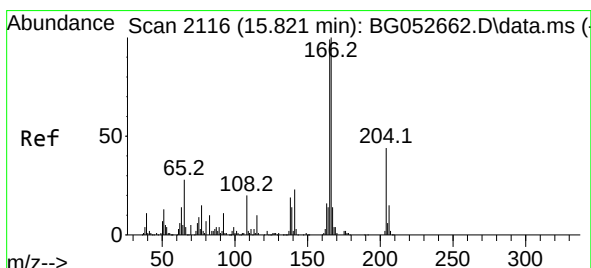
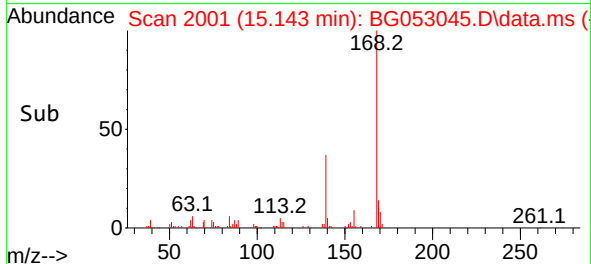
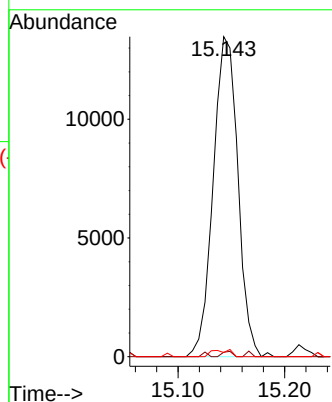
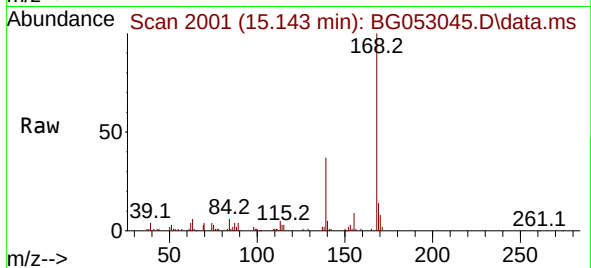




#56
4-Nitrophenol
Concen: 12.168 ng
RT: 15.143 min Scan# 20
Delta R.T. 0.194 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

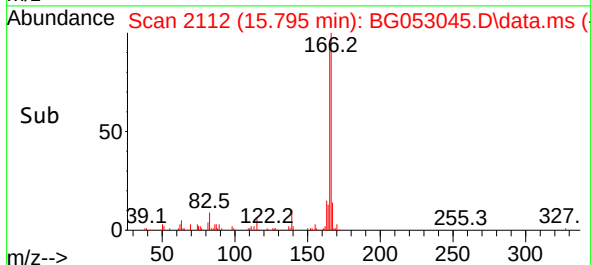
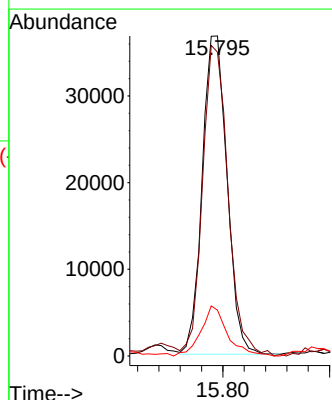
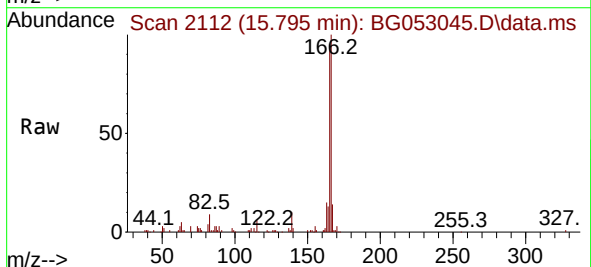
Instrument :
BNA_G
ClientSampleId :
TP-1

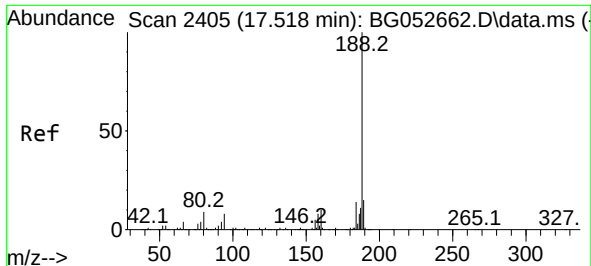
Tgt Ion:139 Resp: 21673
Ion Ratio Lower Upper
139 100
109 1.4 67.1 107.1#
65 1.3 88.2 128.2#



#58
Fluorene
Concen: 5.328 ng
RT: 15.795 min Scan# 2112
Delta R.T. -0.011 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:166 Resp: 59325
Ion Ratio Lower Upper
166 100
165 94.9 78.6 117.8
167 14.3 10.9 16.3

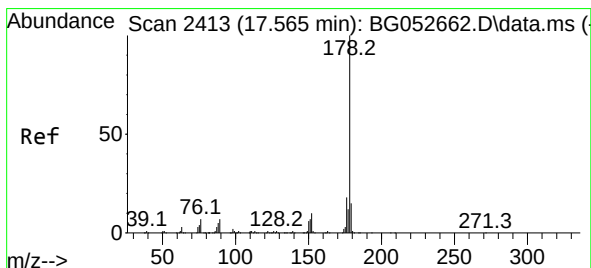
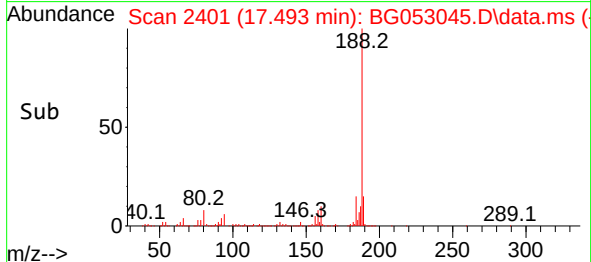
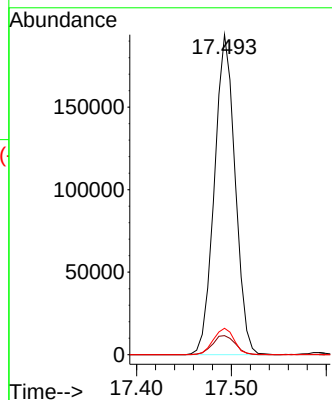
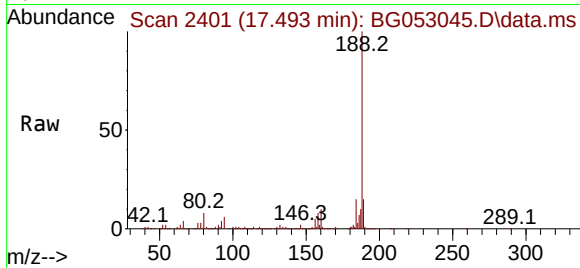




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2401
Delta R.T. -0.011 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

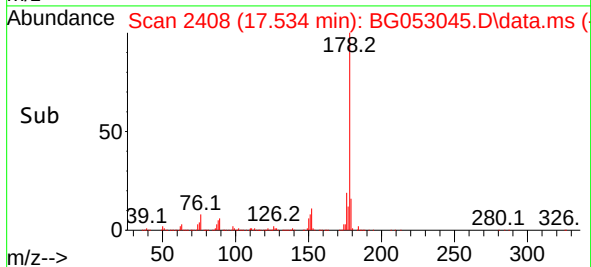
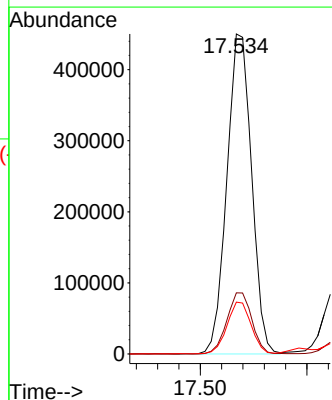
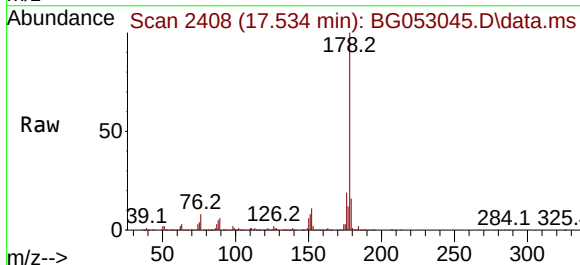
Instrument :
BNA_G
ClientSampleId :
TP-1

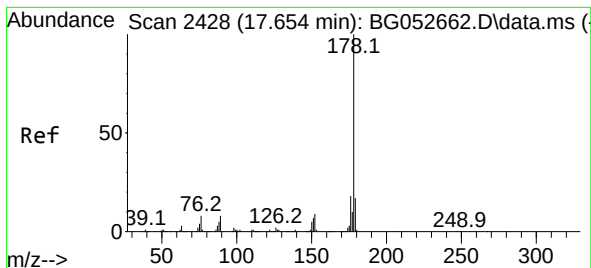
Tgt Ion:188 Resp: 294916
Ion Ratio Lower Upper
188 100
94 5.9 5.7 8.5
80 8.3 7.2 10.8



#71
Phenanthrene
Concen: 46.030 ng
RT: 17.534 min Scan# 2408
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:178 Resp: 726221
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.2 13.4 20.2





#72

Anthracene

Concen: 8.390 ng

RT: 17.628 min Scan# 2428

Delta R.T. -0.011 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

TP-1

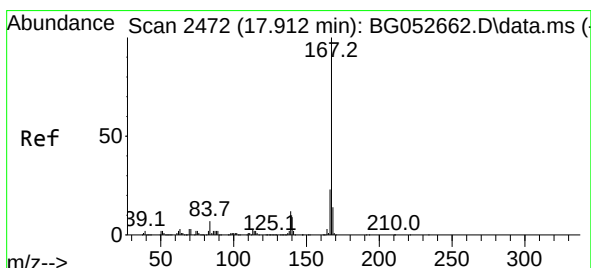
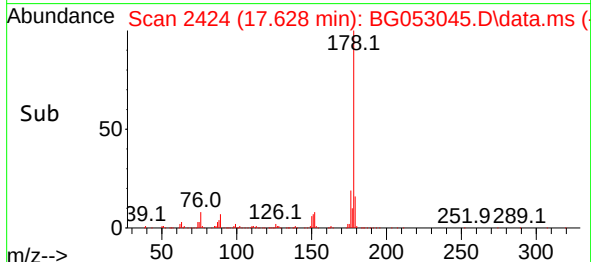
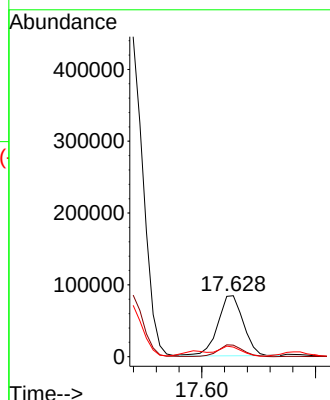
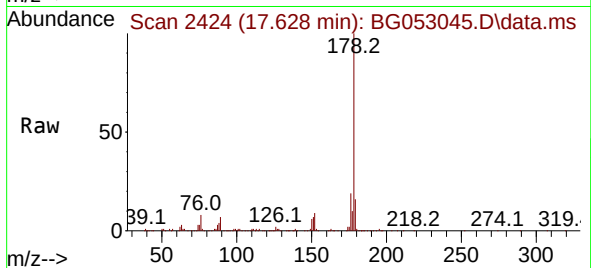
Tgt Ion:178 Resp: 130857

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

179 15.8 13.2 19.8



#73

Carbazole

Concen: 3.866 ng

RT: 17.892 min Scan# 2469

Delta R.T. -0.011 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

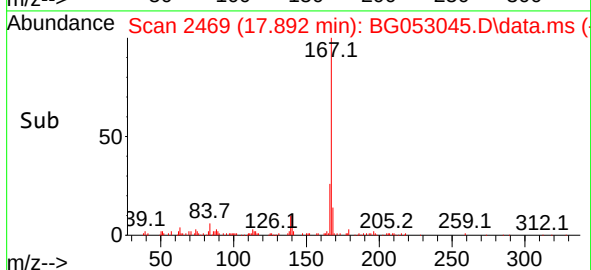
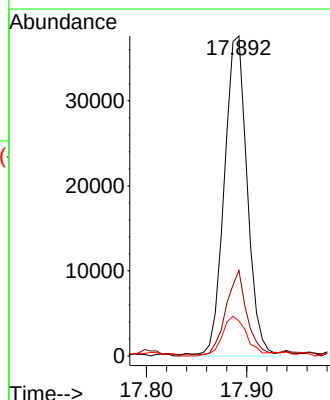
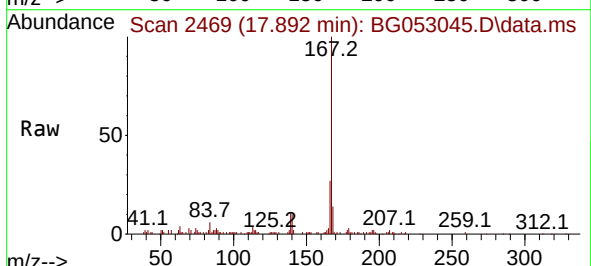
Tgt Ion:167 Resp: 59717

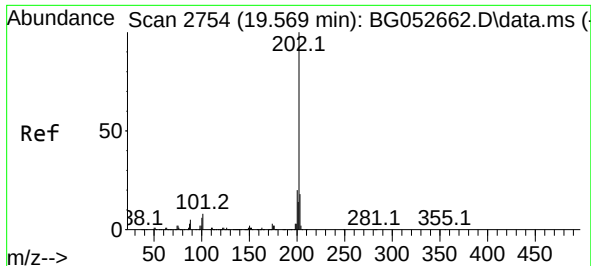
Ion Ratio Lower Upper

167 100

166 26.8 18.5 27.7

139 11.0 10.0 15.0

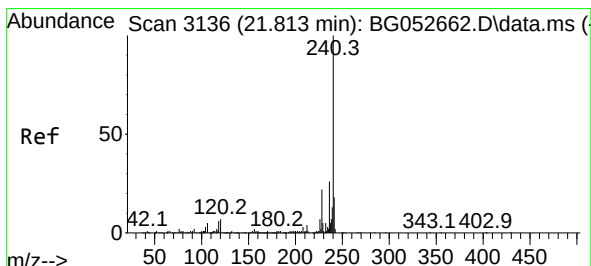
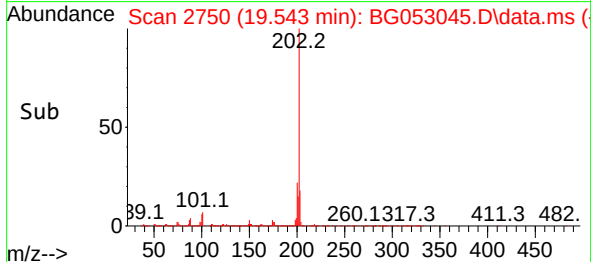
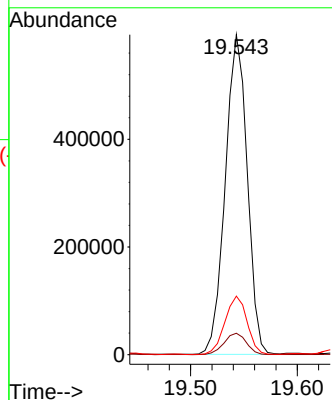
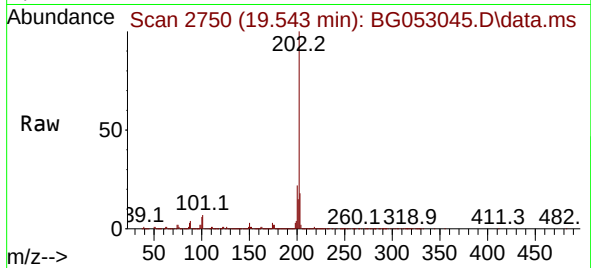




#75
Fluoranthene
Concen: 42.369 ng
RT: 19.543 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

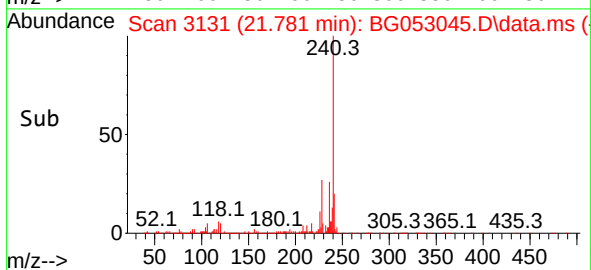
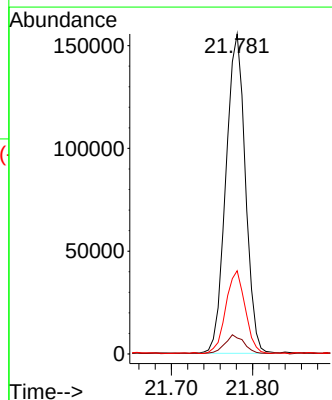
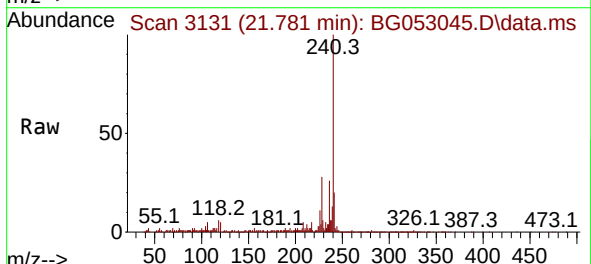
Instrument :
BNA_G
ClientSampleId :
TP-1

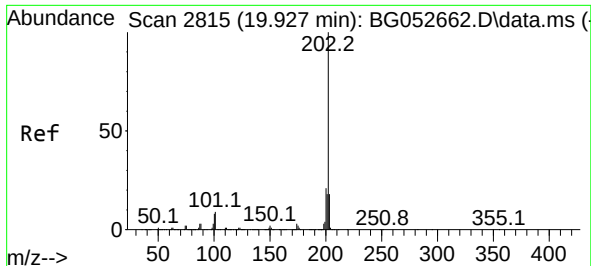
Tgt Ion:202 Resp: 848527
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.3
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3131
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:240 Resp: 258435
Ion Ratio Lower Upper
240 100
120 5.0 5.4 8.0#
236 26.0 19.8 29.6

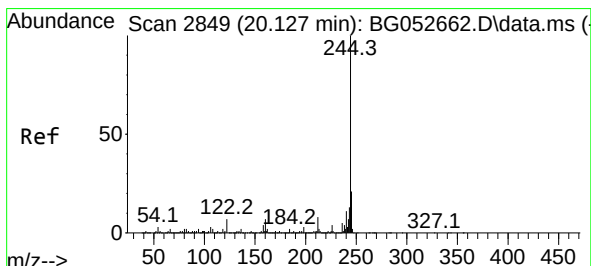
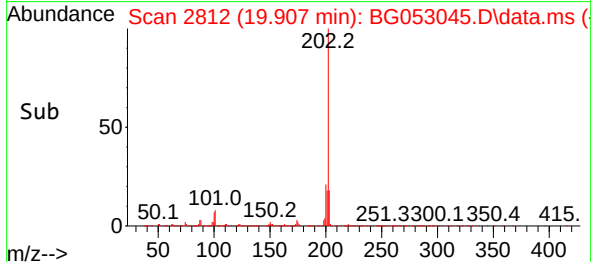
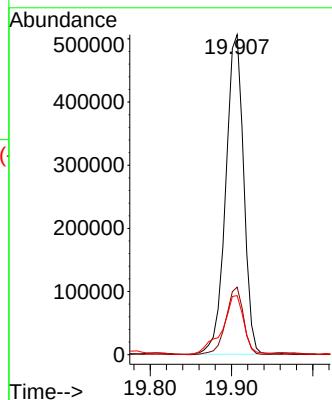
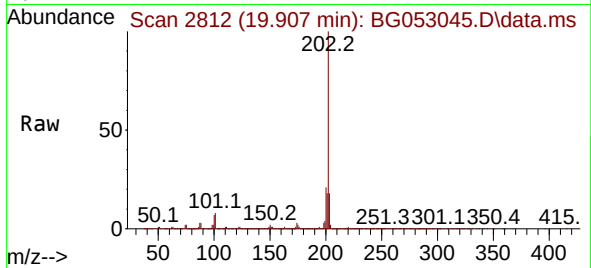




#78
 Pyrene
 Concen: 43.373 ng
 RT: 19.907 min Scan# 2812
 Delta R.T. -0.011 min
 Lab File: BG053045.D
 Acq: 5 Apr 2022 23:44

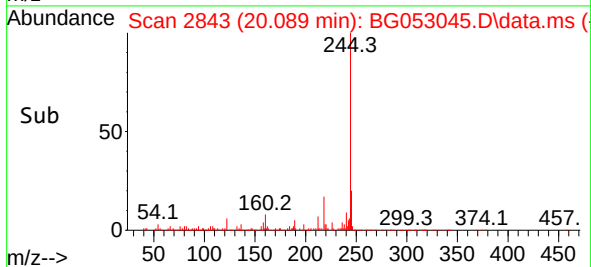
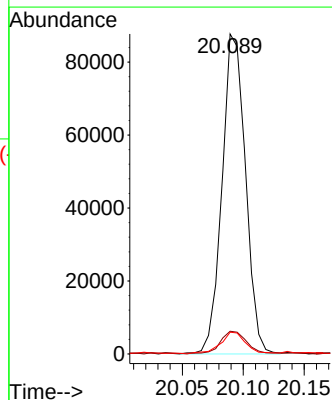
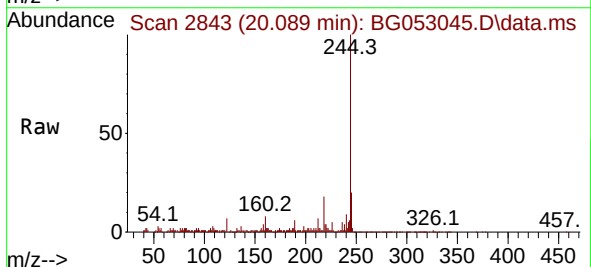
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

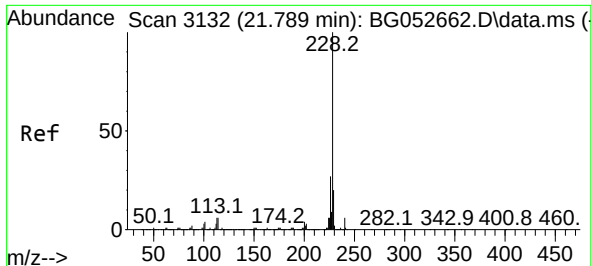
Tgt Ion:202 Resp: 777529
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.6
 203 18.5 15.0 22.6



#79
 Terphenyl-d14
 Concen: 8.099 ng
 RT: 20.089 min Scan# 2843
 Delta R.T. -0.023 min
 Lab File: BG053045.D
 Acq: 5 Apr 2022 23:44

Tgt Ion:244 Resp: 117658
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 6.8 5.8 8.6

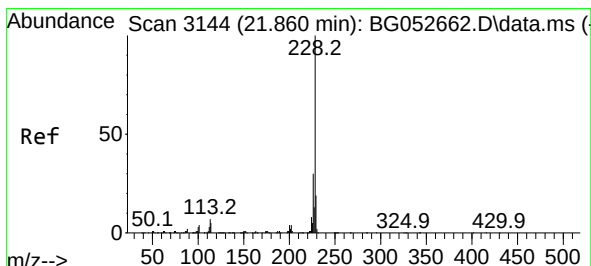
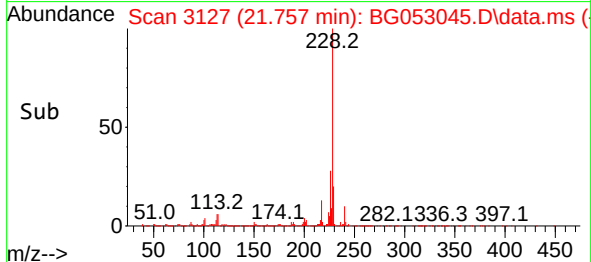
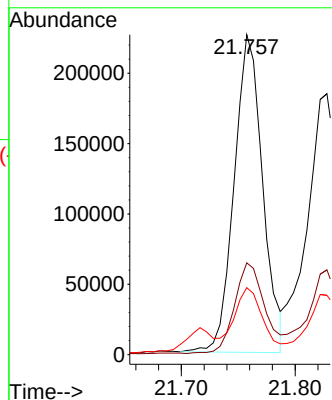
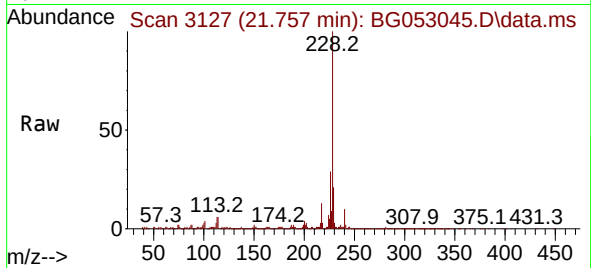




#81
Benzo(a)anthracene
Concen: 22.687 ng
RT: 21.757 min Scan# 3132
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

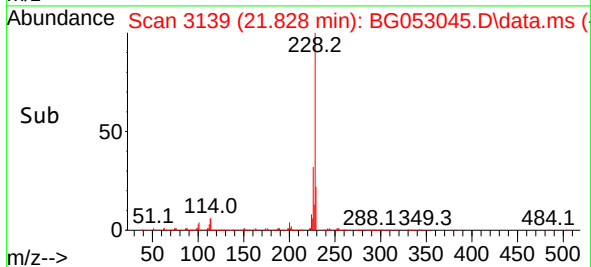
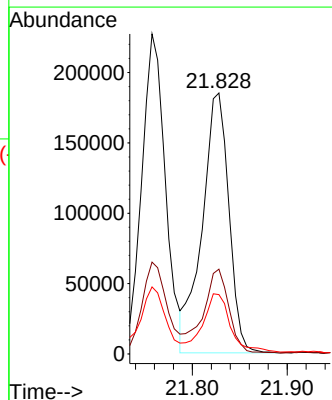
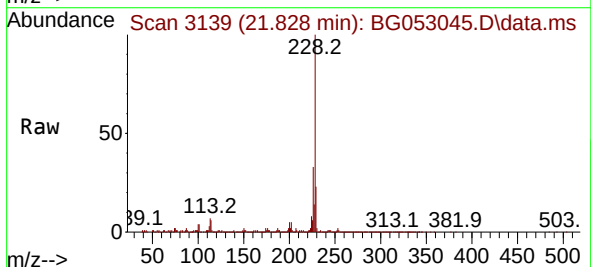
Instrument :
BNA_G
ClientSampleId :
TP-1

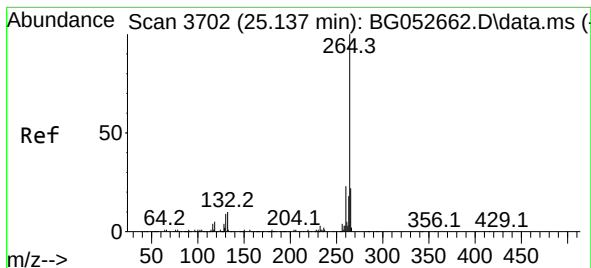
Tgt Ion:228 Resp: 392602
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 21.0 16.7 25.1



#83
Chrysene
Concen: 22.298 ng
RT: 21.828 min Scan# 3139
Delta R.T. -0.017 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:228 Resp: 362762
Ion Ratio Lower Upper
228 100
226 32.5 24.2 36.4
229 22.7 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.088 min Scan# 3

Delta R.T. -0.023 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

TP-1

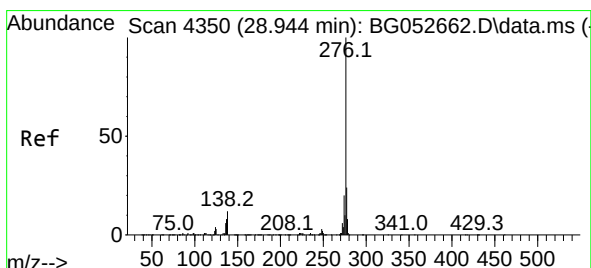
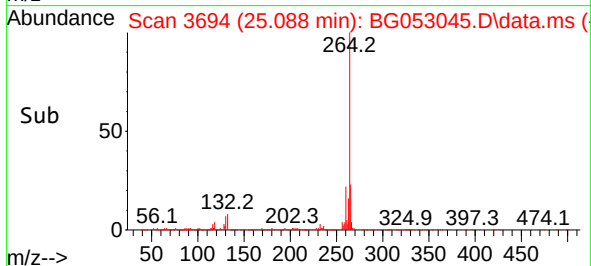
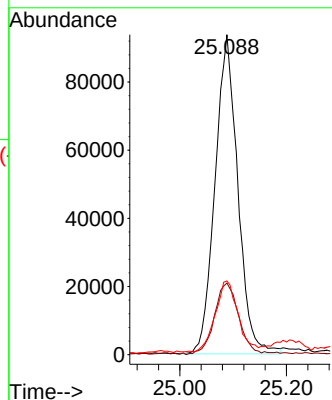
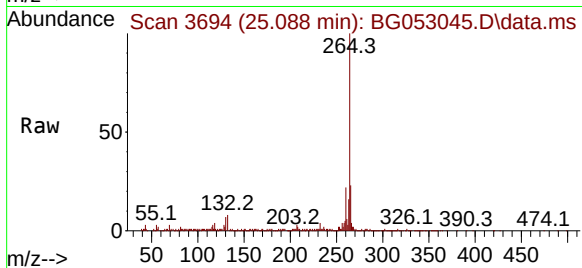
Tgt Ion:264 Resp: 277365

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.2

265 23.1 15.1 22.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.801 ng

RT: 28.865 min Scan# 4337

Delta R.T. -0.035 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

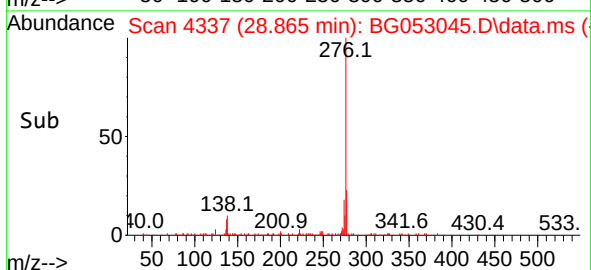
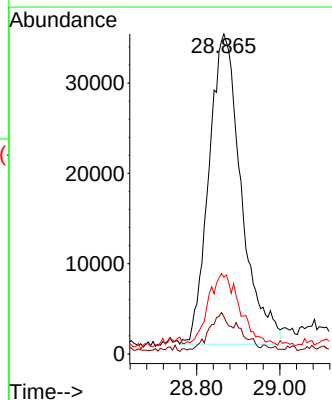
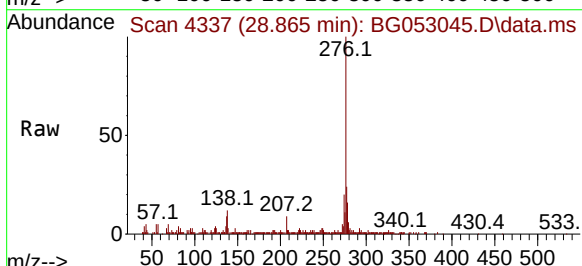
Tgt Ion:276 Resp: 186075

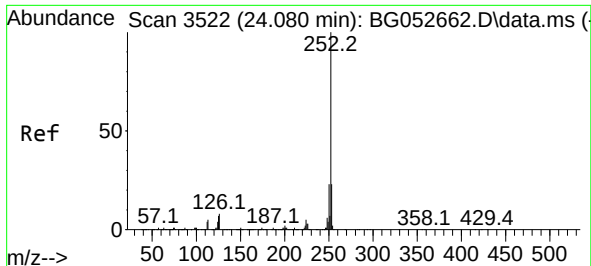
Ion Ratio Lower Upper

276 100

138 7.2 8.7 13.1#

277 23.7 20.2 30.4

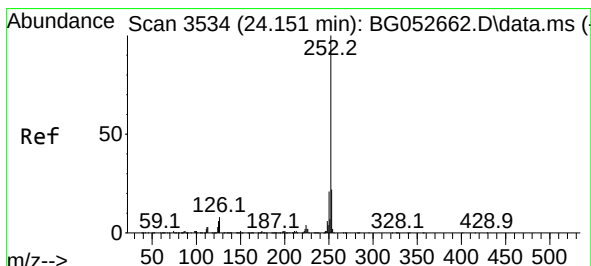
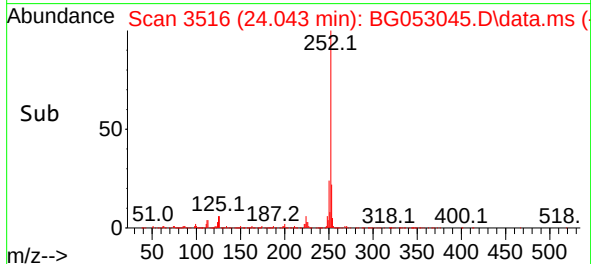
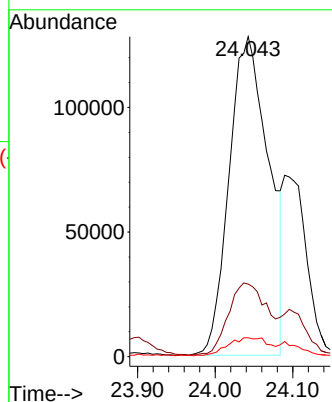
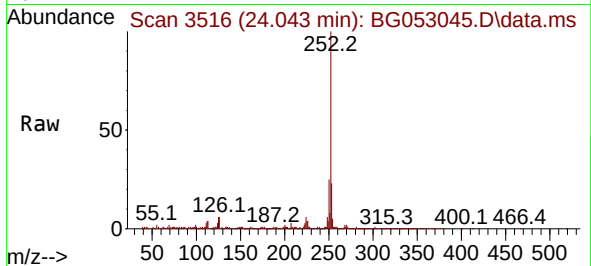




#88
Benzo(b)fluoranthene
Concen: 26.247 ng
RT: 24.043 min Scan# 3516
Delta R.T. -0.011 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

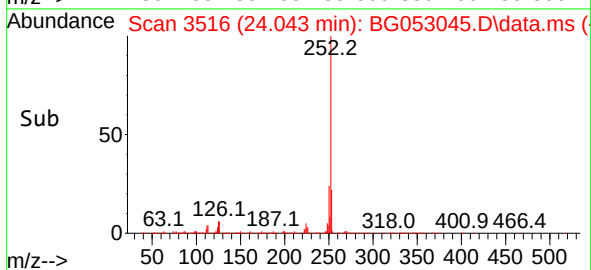
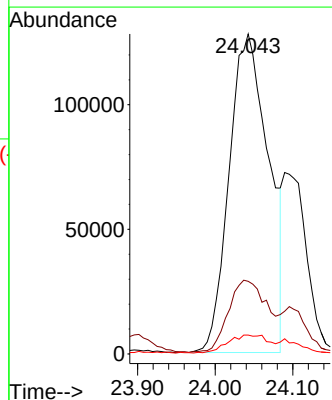
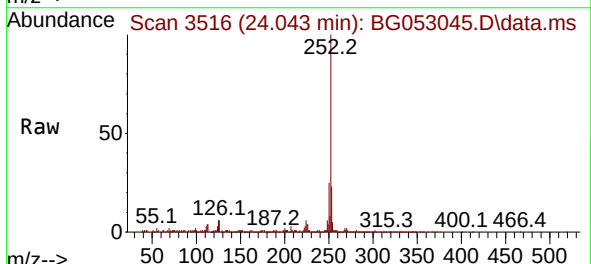
Instrument :
BNA_G
ClientSampleId :
TP-1

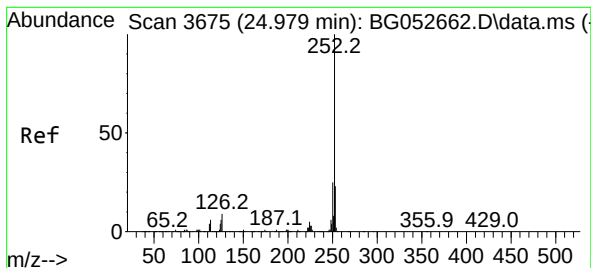
Tgt Ion:252 Resp: 452014
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 5.9 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 26.677 ng
RT: 24.043 min Scan# 3516
Delta R.T. -0.088 min
Lab File: BG053045.D
Acq: 5 Apr 2022 23:44

Tgt Ion:252 Resp: 452014
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 5.9 5.0 7.4





#90

Benzo(a)pyrene

Concen: 24.143 ng

RT: 24.936 min Scan# 3

Delta R.T. -0.017 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

Instrument :

BNA_G

ClientSampleId :

TP-1

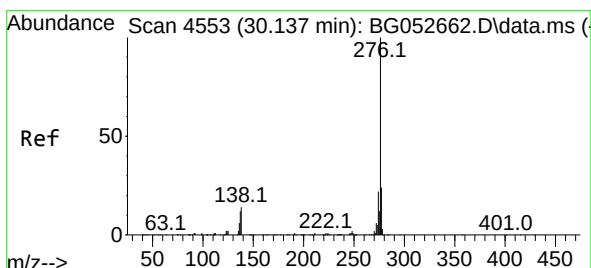
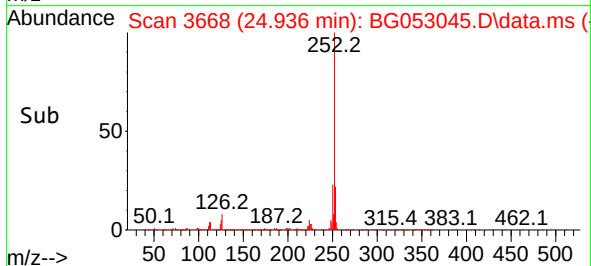
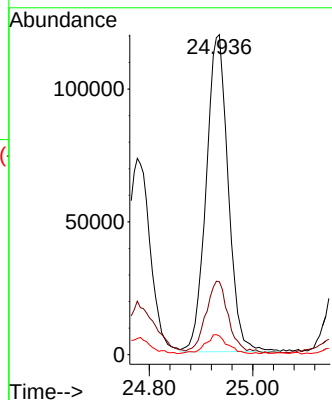
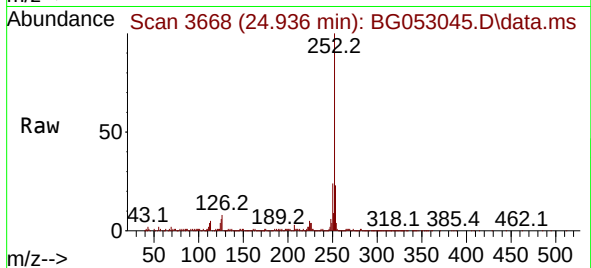
Tgt Ion:252 Resp: 351950

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 5.8 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 10.072 ng

RT: 30.058 min Scan# 4540

Delta R.T. -0.035 min

Lab File: BG053045.D

Acq: 5 Apr 2022 23:44

Tgt Ion:276 Resp: 155889

Ion Ratio Lower Upper

276 100

277 21.2 18.2 27.2

138 12.1 9.1 13.7

