

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055909.D
 Acq On : 6 Dec 2022 18:46
 Operator : CG/JU
 Sample : N5849-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-5-120222DL

Quant Time: Dec 07 05:11:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

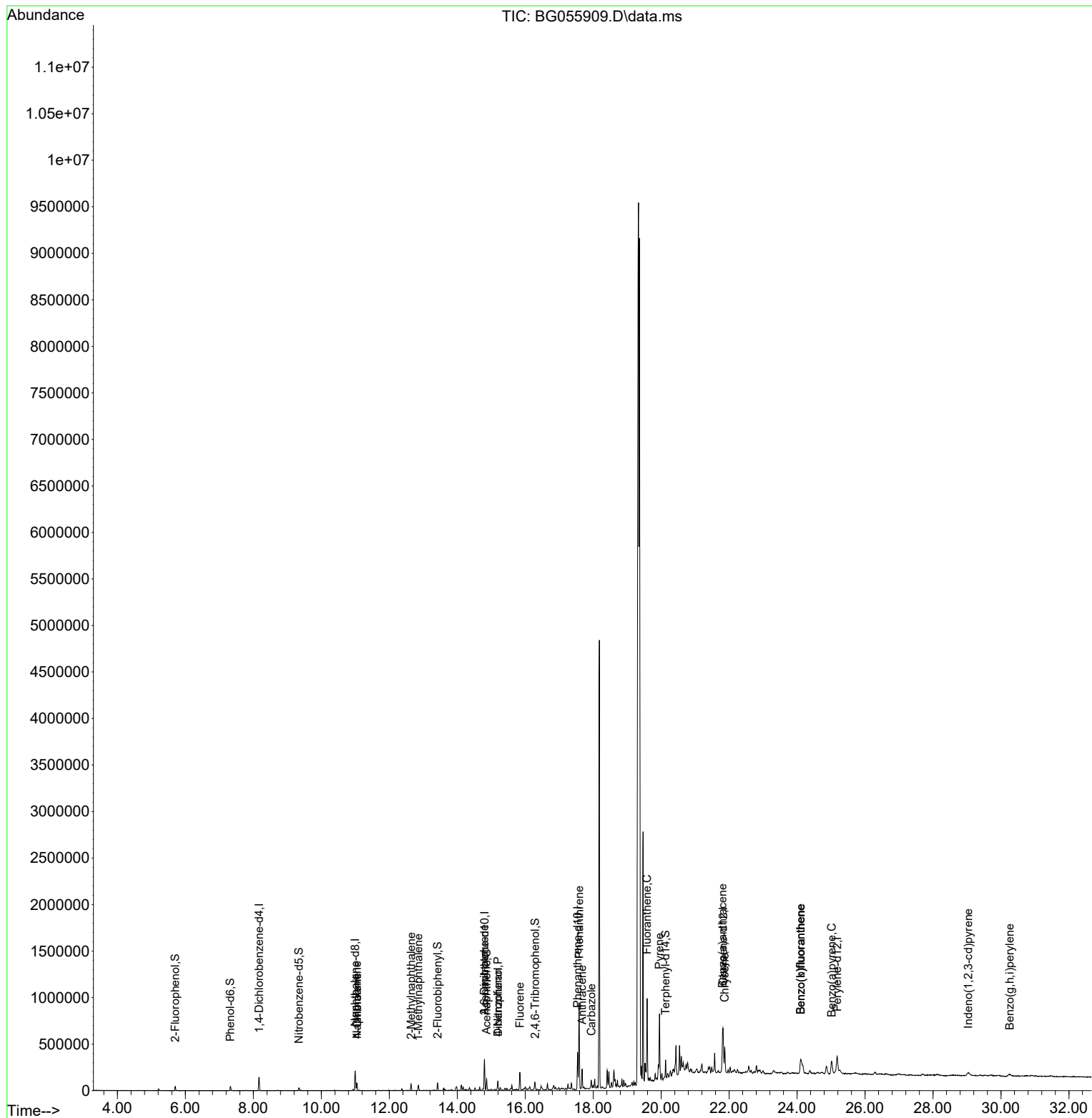
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.170	152	40639	20.000	ng	0.00
21) Naphthalene-d8	10.996	136	175396	20.000	ng	0.00
39) Acenaphthene-d10	14.803	164	120728	20.000	ng	0.00
64) Phenanthrene-d10	17.541	188	255405	20.000	ng	0.00
76) Chrysene-d12	21.825	240	231663	20.000	ng	0.00
86) Perylene-d12	25.179	264	239444	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	19753	8.786	ng	0.00
7) Phenol-d6	7.324	99	26800	8.955	ng	0.00
23) Nitrobenzene-d5	9.339	82	17955	5.411	ng	0.00
42) 2,4,6-Tribromophenol	16.290	330	10939	6.435	ng	0.00
45) 2-Fluorobiphenyl	13.423	172	41943	5.205	ng	0.00
79) Terphenyl-d14	20.132	244	64818	5.596	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.049	128	68838	7.260	ng	99
33) 4-Chloroaniline	11.049	127	8941	2.286	ng	# 41
37) 2-Methylnaphthalene	12.641	142	33308	4.692	ng	99
38) 1-Methylnaphthalene	12.859	142	27117	3.935	ng	99
51) 2,6-Dinitrotoluene	14.797	165	17770	9.030	ng	# 26
52) Acenaphthene	14.862	154	40176	5.459	ng	99
55) Dibenzofuran	15.197	168	54327	4.785	ng	98
56) 4-Nitrophenol	15.197	139	20261	11.950	ng	# 6
58) Fluorene	15.843	166	86718	9.563	ng	99
71) Phenanthrene	17.588	178	596615	43.287	ng	99
72) Anthracene	17.676	178	141033	10.531	ng	99
73) Carbazole	17.947	167	58005	4.818	ng	96
75) Fluoranthene	19.586	202	532899	31.781	ng	99
78) Pyrene	19.950	202	477985	30.482	ng	99
81) Benzo(a)anthracene	21.807	228	241701	15.148	ng	99
83) Chrysene	21.872	228	203875	13.422	ng	99
87) Indeno(1,2,3-cd)pyrene	29.040	276	70610	3.600	ng	# 83
88) Benzo(b)fluoranthene	24.104	252	220958	14.170	ng	98
89) Benzo(k)fluoranthene	24.104	252	220958	14.215	ng	98
90) Benzo(a)pyrene	25.021	252	175619	13.124	ng	# 97
92) Benzo(g,h,i)perylene	30.256	276	59898	3.707	ng	94

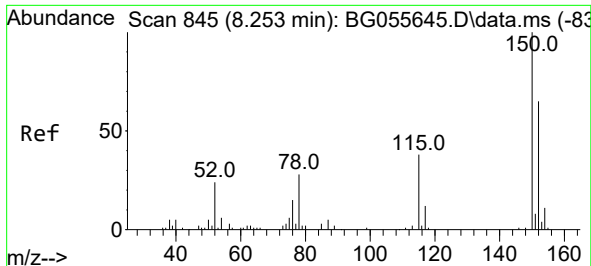
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
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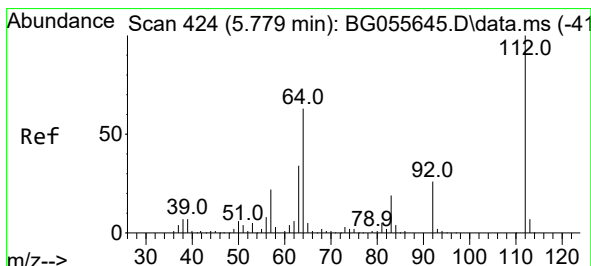
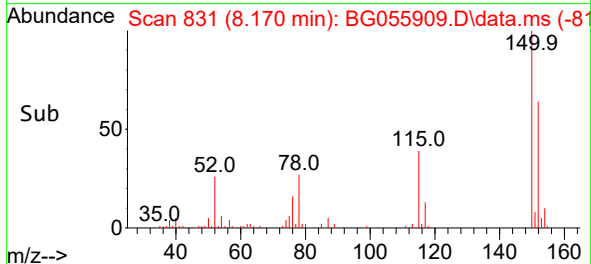
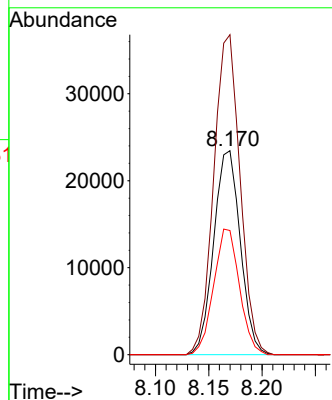
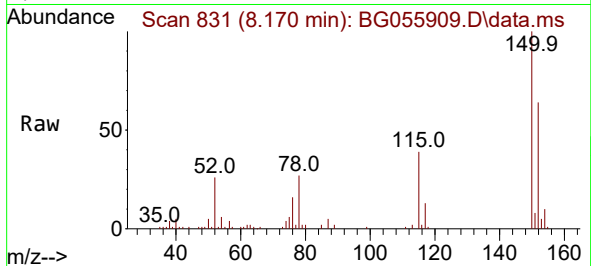




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.170 min Scan# 81
Delta R.T. 0.008 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

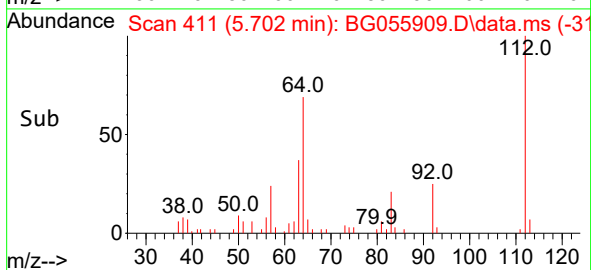
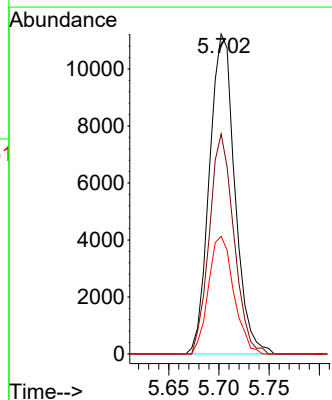
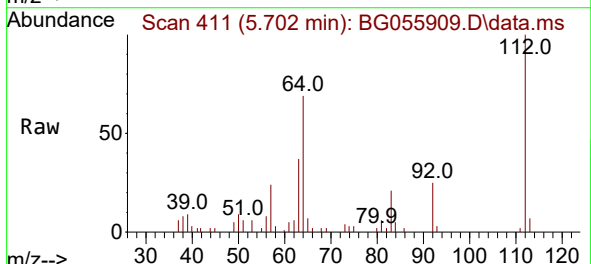
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

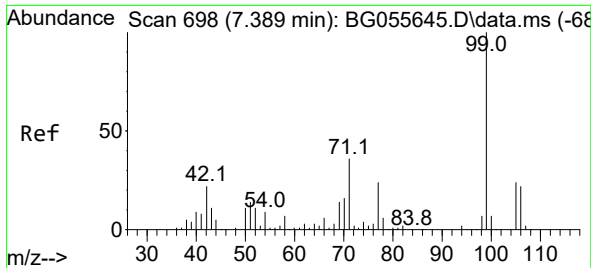
Tgt Ion:152 Resp: 40639
Ion Ratio Lower Upper
152 100
150 156.9 123.0 184.6
115 60.9 47.0 70.4



#5
2-Fluorophenol
Concen: 8.786 ng
RT: 5.702 min Scan# 411
Delta R.T. 0.008 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Tgt Ion:112 Resp: 19753
Ion Ratio Lower Upper
112 100
64 68.8 50.6 76.0
63 36.8 27.5 41.3

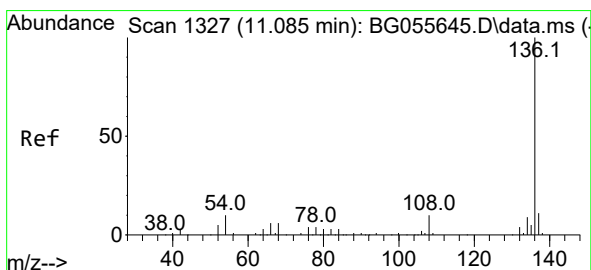
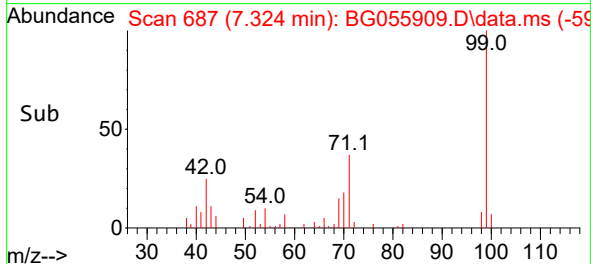
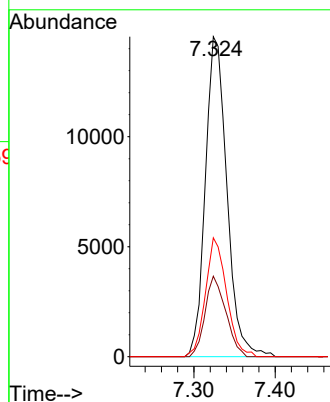
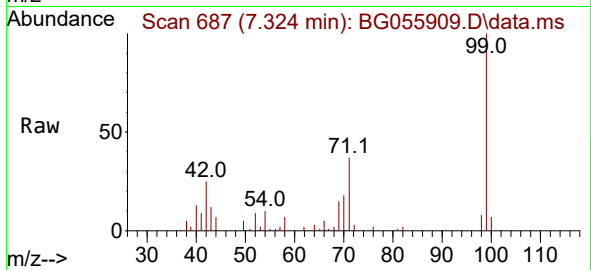




#7
Phenol-d6
Concen: 8.955 ng
RT: 7.324 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

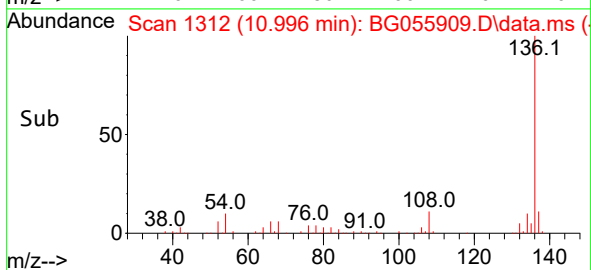
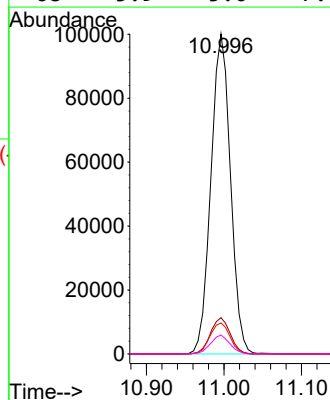
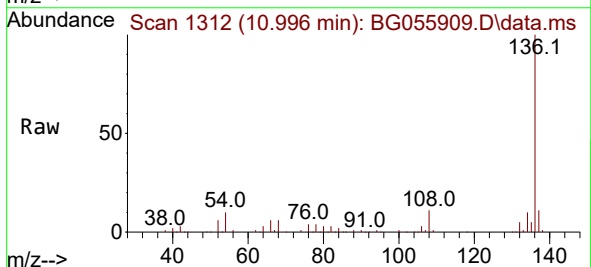
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

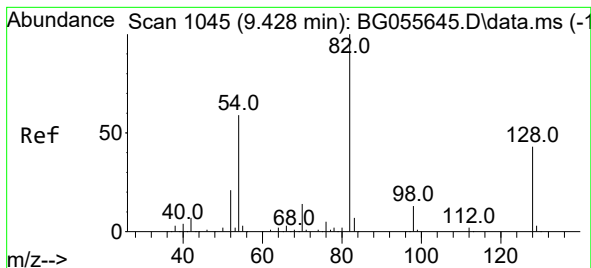
Tgt Ion: 99 Resp: 26800
Ion Ratio Lower Upper
99 100
42 25.2 18.0 27.0
71 37.2 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.996 min Scan# 1312
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Tgt Ion: 136 Resp: 175396
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.7 7.8 11.6
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 5.411 ng

RT: 9.339 min Scan# 1045

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

Instrument :

BNA_G

ClientSampleId :

TR-5-120222DL

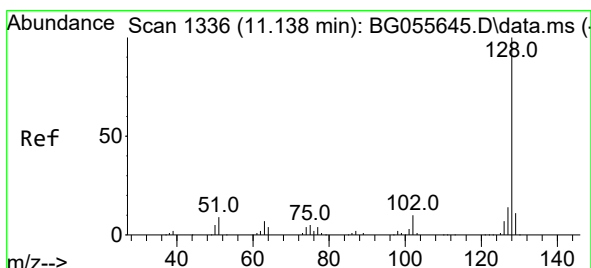
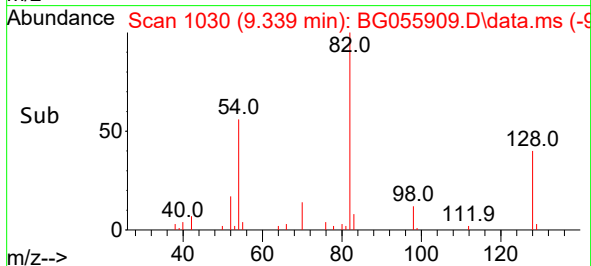
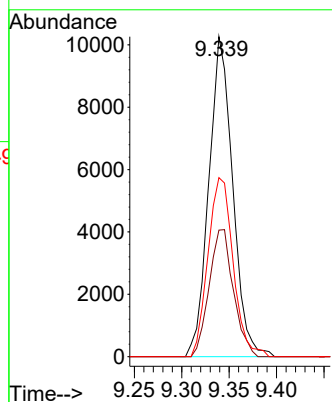
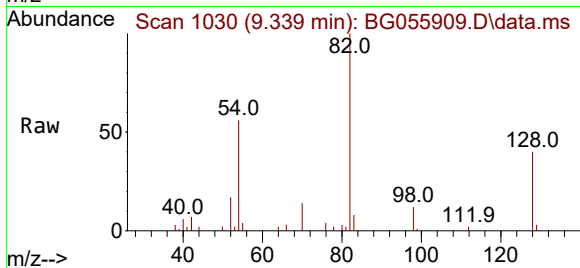
Tgt Ion: 82 Resp: 17955

Ion Ratio Lower Upper

82 100

128 39.6 34.1 51.1

54 55.9 47.3 70.9



#31

Naphthalene

Concen: 7.260 ng

RT: 11.049 min Scan# 1321

Delta R.T. 0.002 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

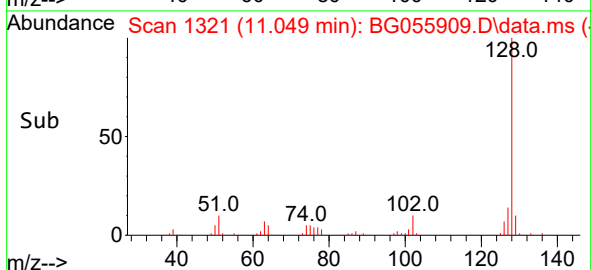
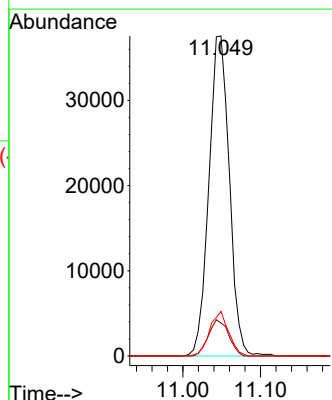
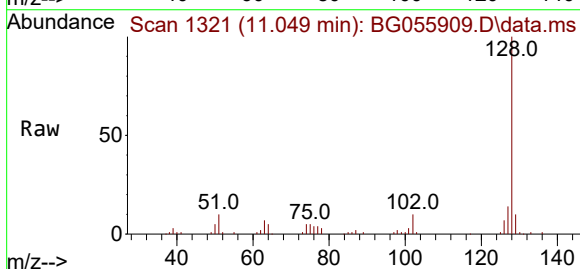
Tgt Ion:128 Resp: 68838

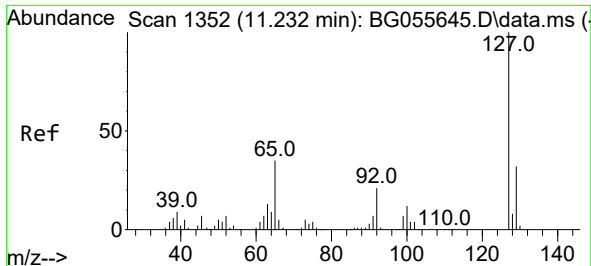
Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

127 14.0 10.9 16.3

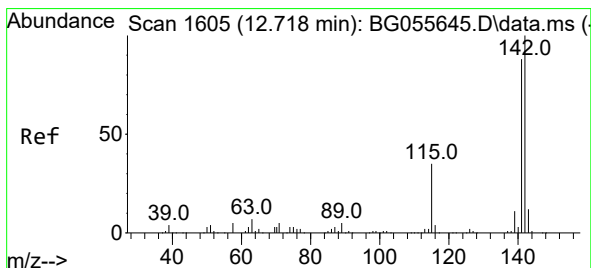
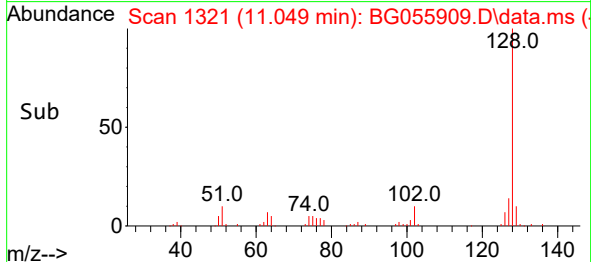
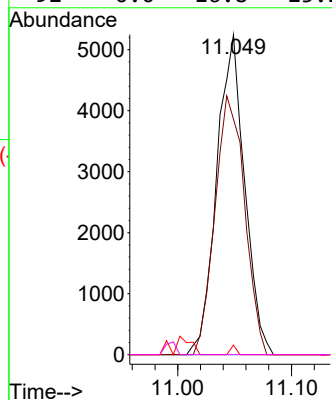
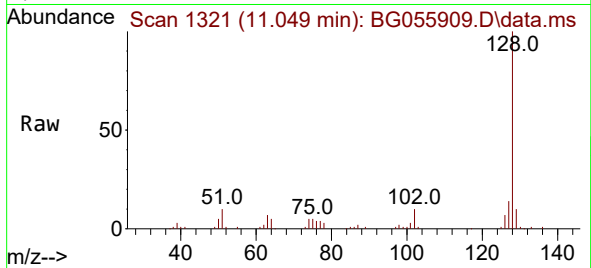




#33
4-Chloroaniline
Concen: 2.286 ng
RT: 11.049 min Scan# 11
Delta R.T. -0.104 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

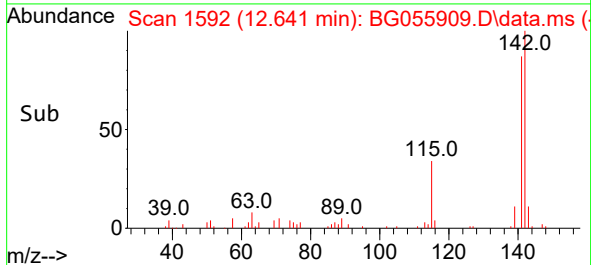
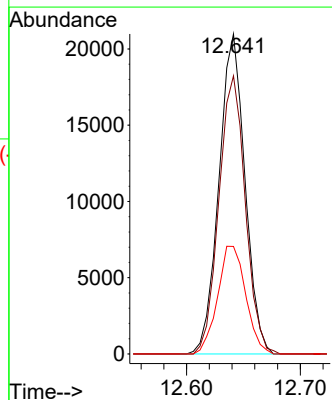
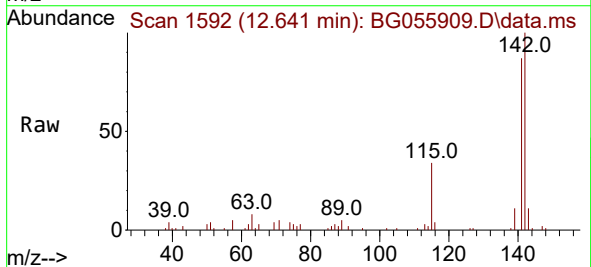
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

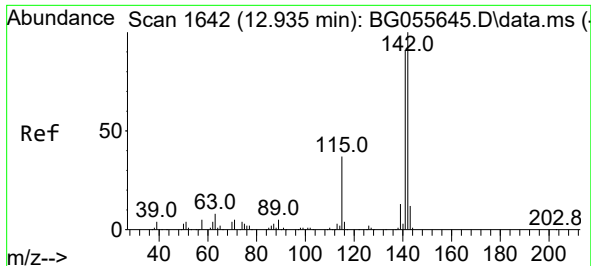
Tgt Ion:	127	Resp:	8941
Ion	Ratio	Lower	Upper
127	100		
129	73.6	25.9	38.9#
65	3.0	27.9	41.9#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 4.692 ng
RT: 12.641 min Scan# 1592
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Tgt Ion:	142	Resp:	33308
Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.3	105.5
115	33.6	27.9	41.9

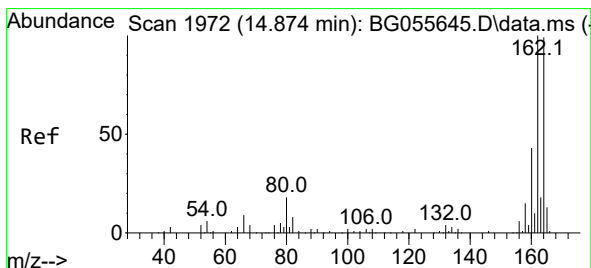
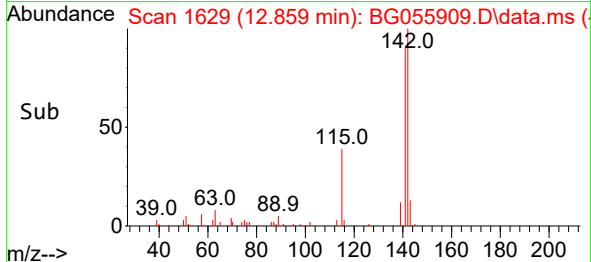
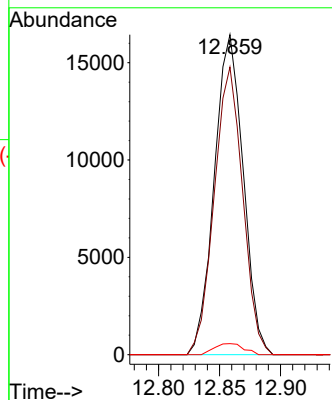
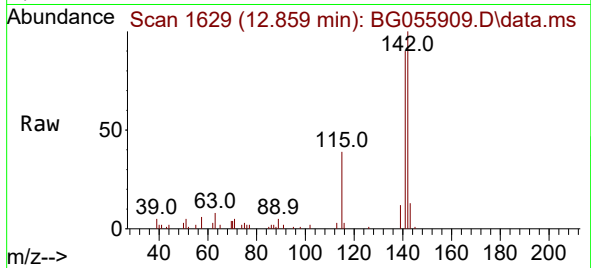




#38
1-Methylnaphthalene
Concen: 3.935 ng
RT: 12.859 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

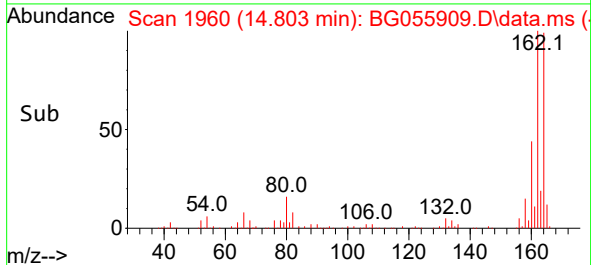
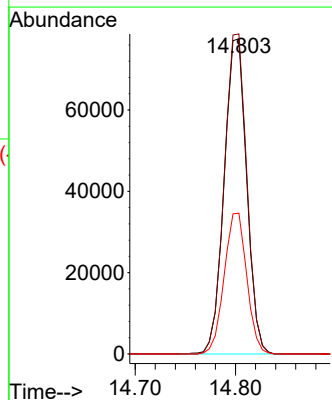
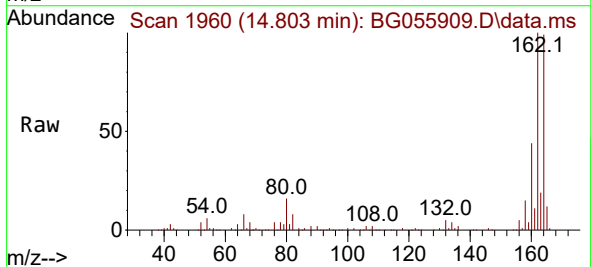
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

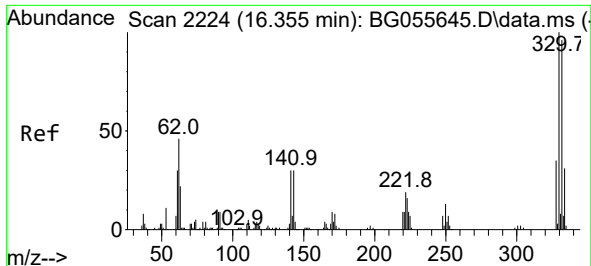
Tgt Ion:142 Resp: 27117
Ion Ratio Lower Upper
142 100
141 89.9 73.0 109.4
116 3.5 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.803 min Scan# 1960
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

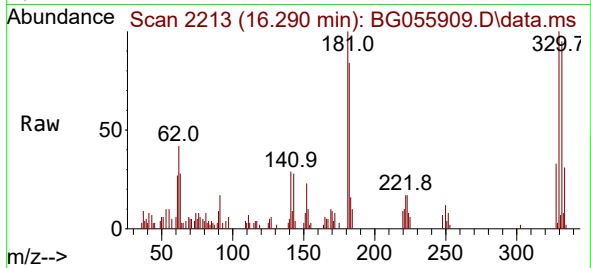
Tgt Ion:164 Resp: 120728
Ion Ratio Lower Upper
164 100
162 101.5 81.1 121.7
160 44.7 34.8 52.2



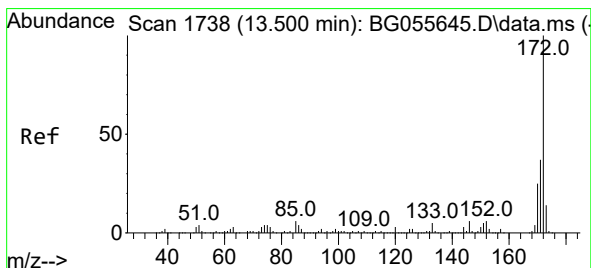
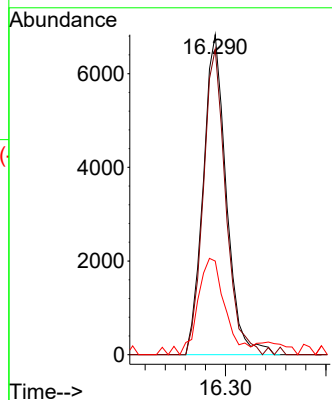
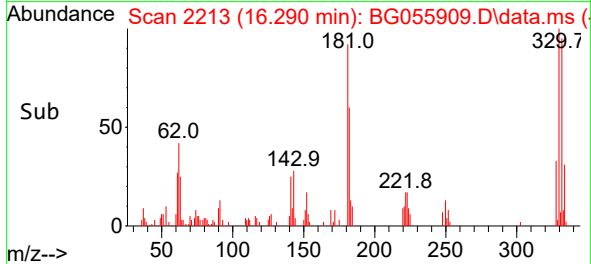


#42
2,4,6-Tribromophenol
Concen: 6.435 ng
RT: 16.290 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

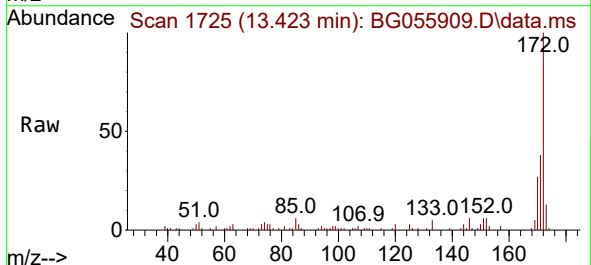
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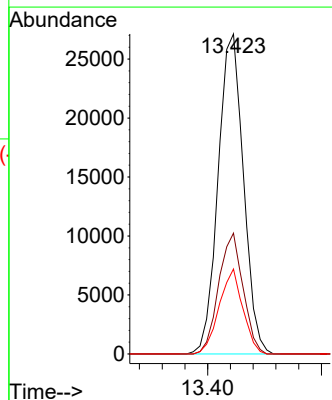
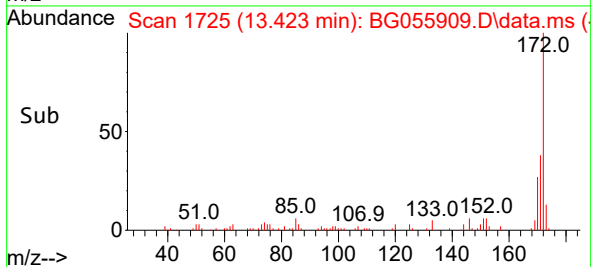
Tgt Ion:330 Resp: 10939
Ion Ratio Lower Upper
330 100
332 92.7 77.8 116.8
141 35.4 23.9 35.9

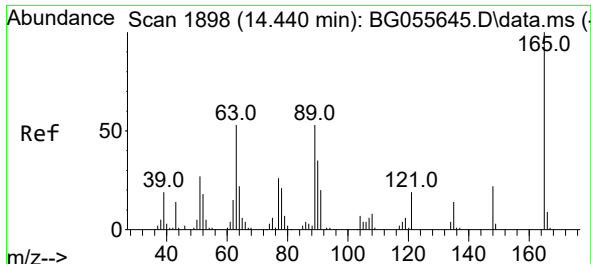


#45
2-Fluorobiphenyl
Concen: 5.205 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46



Tgt Ion:172 Resp: 41943
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 26.6 20.2 30.4

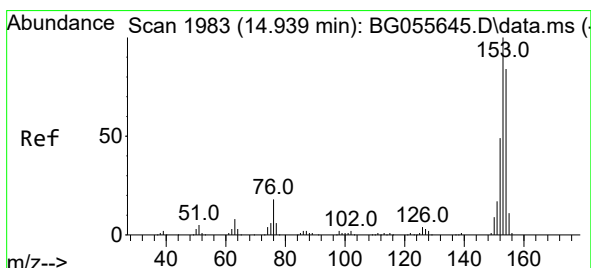
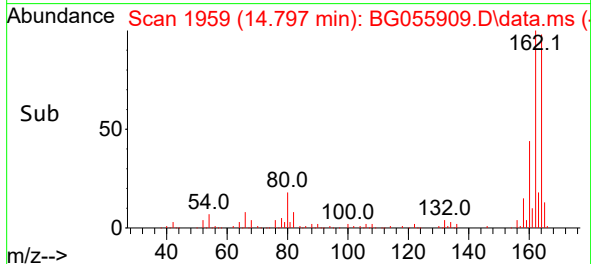
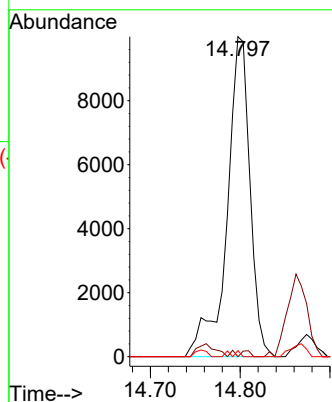
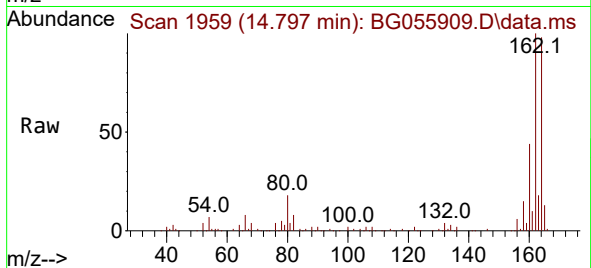




#51
2,6-Dinitrotoluene
Concen: 9.030 ng
RT: 14.797 min Scan# 1959
Delta R.T. 0.425 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

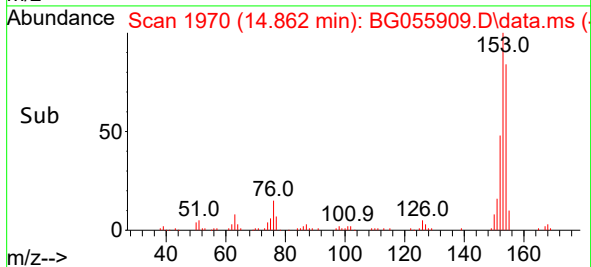
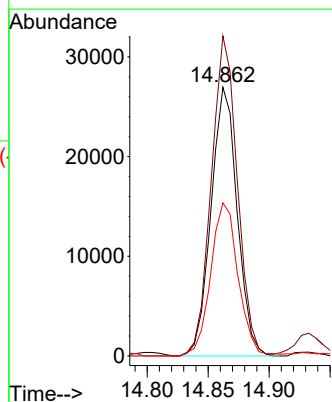
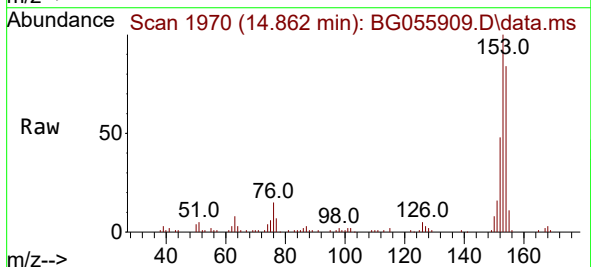
Instrument :
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TR-5-120222DL

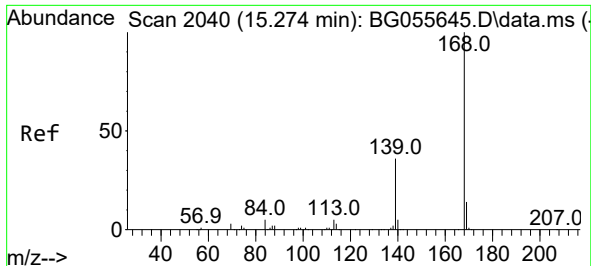
Tgt Ion:165 Resp: 17770
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 1.9 42.2 63.4#



#52
Acenaphthene
Concen: 5.459 ng
RT: 14.862 min Scan# 1970
Delta R.T. -0.004 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Tgt Ion:154 Resp: 40176
Ion Ratio Lower Upper
154 100
153 119.1 95.0 142.4
152 57.0 46.1 69.1

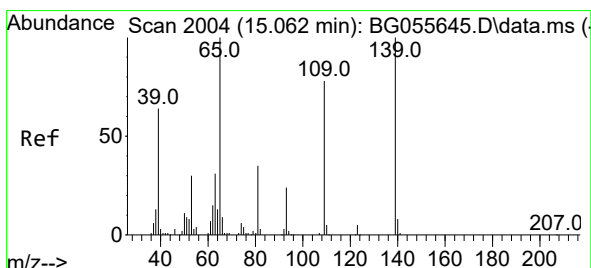
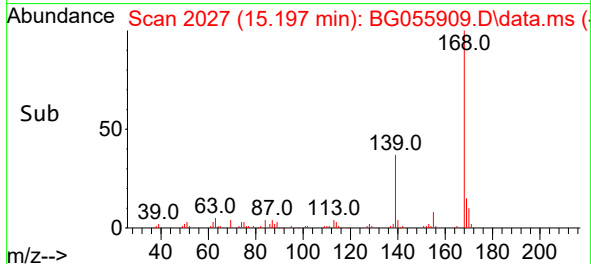
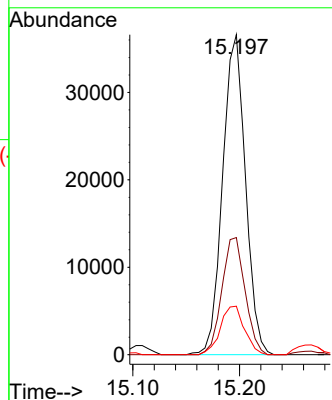
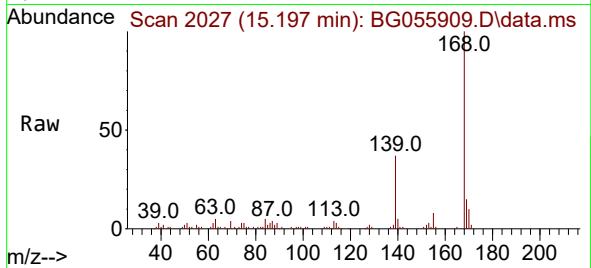




#55
Dibenzofuran
Concen: 4.785 ng
RT: 15.197 min Scan# 2040
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

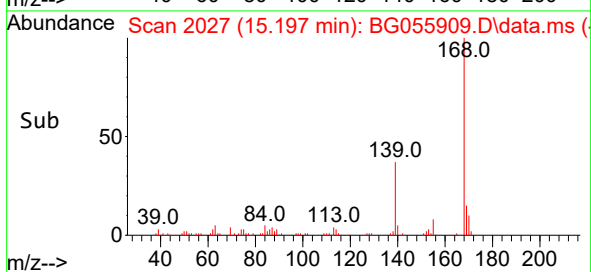
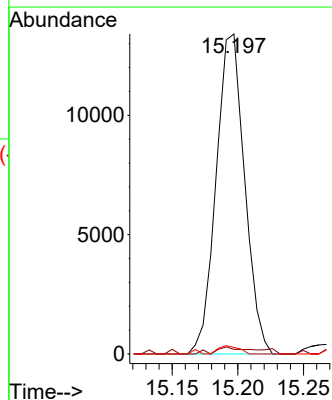
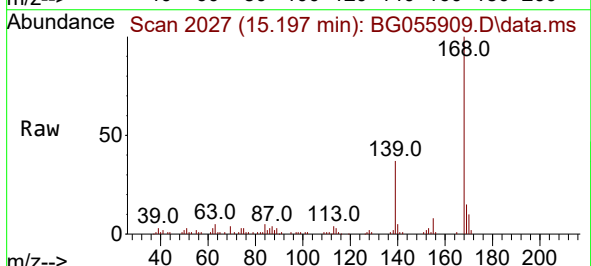
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

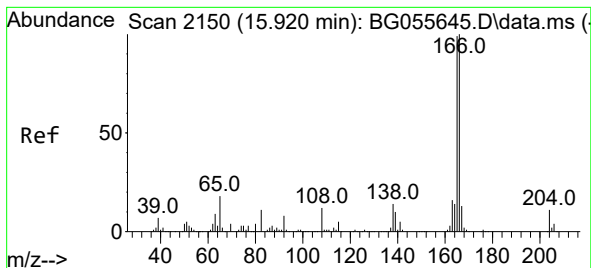
Tgt Ion:168 Resp: 54327
Ion Ratio Lower Upper
168 100
139 36.6 28.8 43.2
169 15.2 11.0 16.4



#56
4-Nitrophenol
Concen: 11.950 ng
RT: 15.197 min Scan# 2027
Delta R.T. 0.166 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Tgt Ion:139 Resp: 20261
Ion Ratio Lower Upper
139 100
109 1.5 58.6 98.6#
65 2.0 80.5 120.5#





#58

Fluorene

Concen: 9.563 ng

RT: 15.843 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

Instrument :

BNA_G

ClientSampleId :

TR-5-120222DL

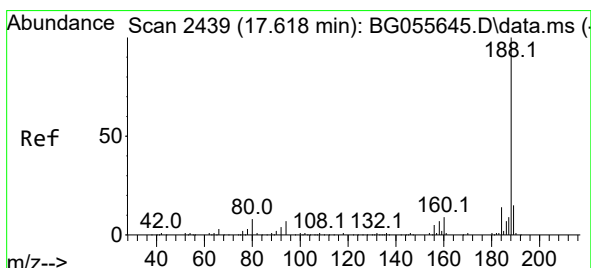
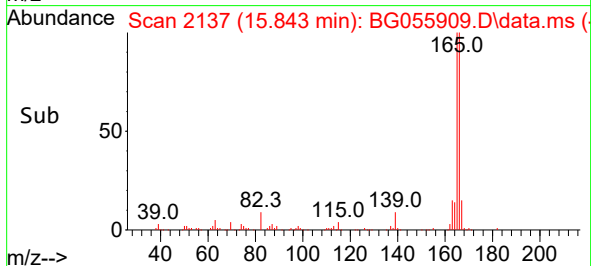
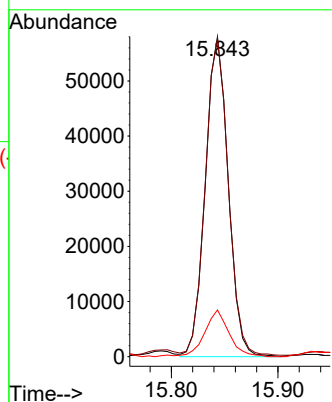
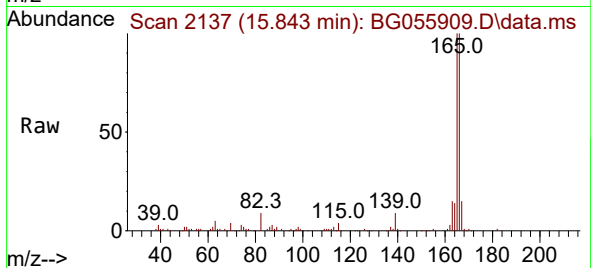
Tgt Ion:166 Resp: 86718

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

167 14.6 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.541 min Scan# 2426

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

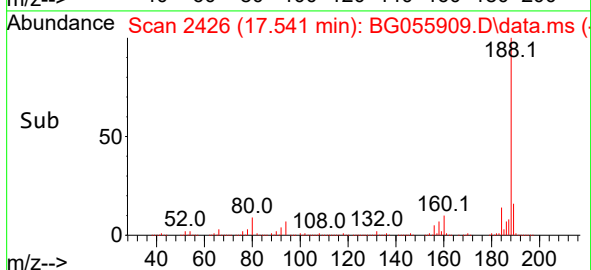
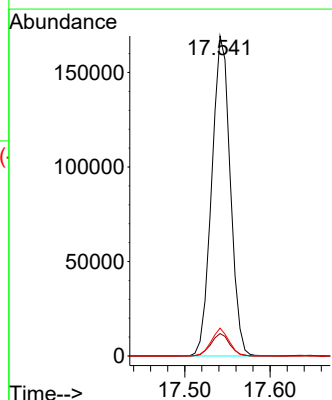
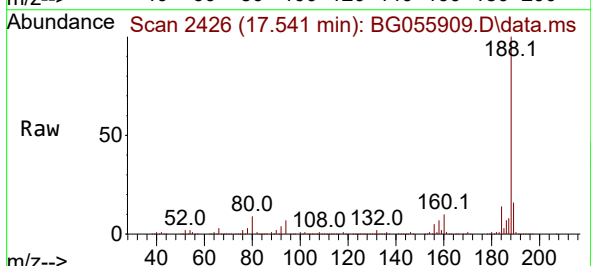
Tgt Ion:188 Resp: 255405

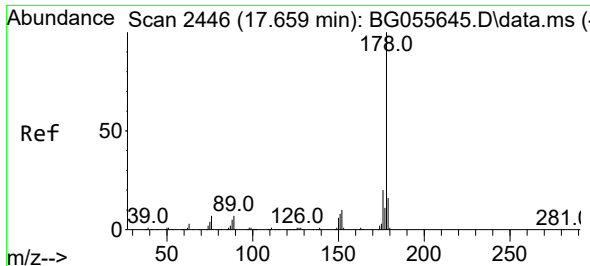
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.7 6.6 10.0

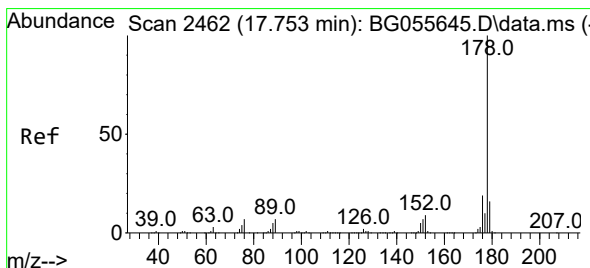
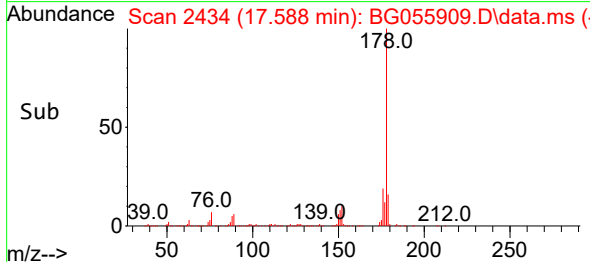
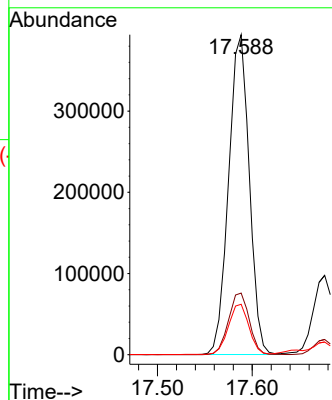
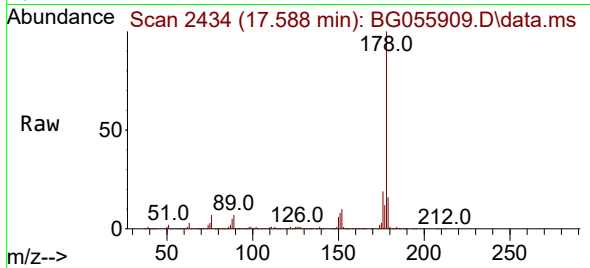




#71
Phenanthrene
Concen: 43.287 ng
RT: 17.588 min Scan# 2446
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

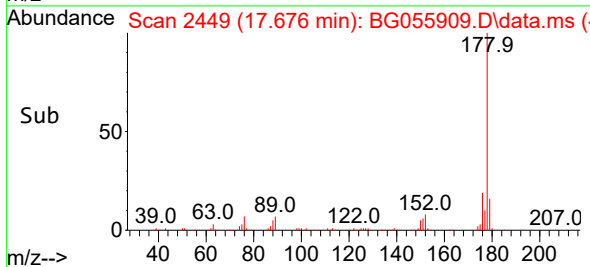
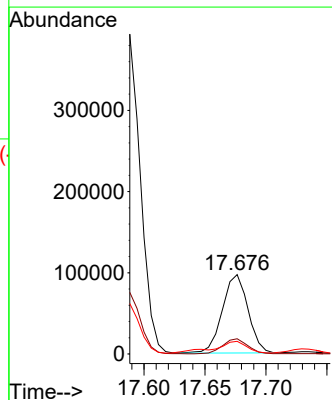
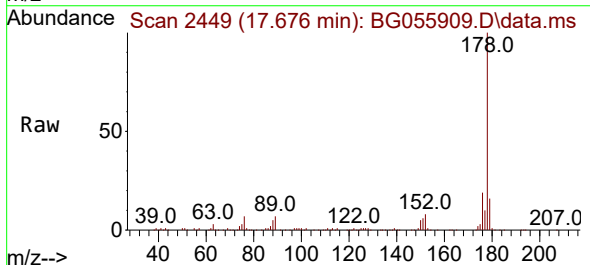
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

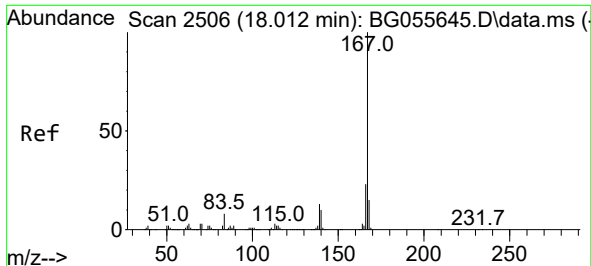
Tgt Ion:178 Resp: 596615
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.8 12.7 19.1



#72
Anthracene
Concen: 10.531 ng
RT: 17.676 min Scan# 2449
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Tgt Ion:178 Resp: 141033
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.0 12.5 18.7

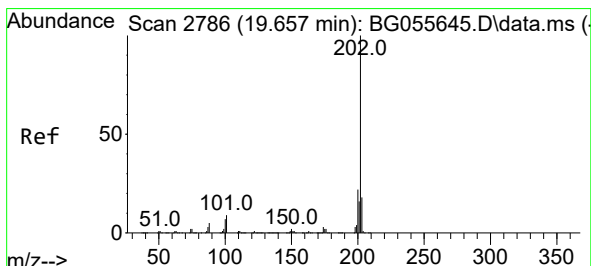
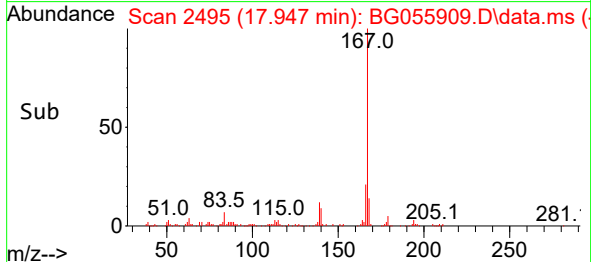
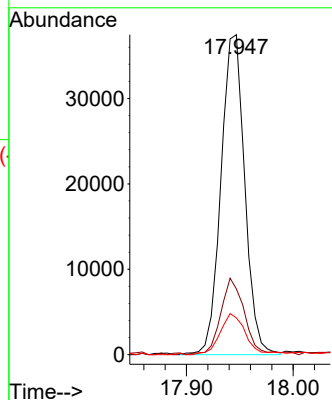
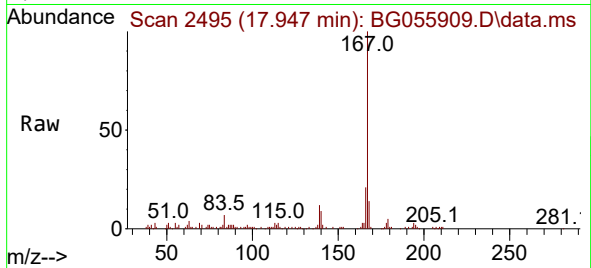




#73
 Carbazole
 Concen: 4.818 ng
 RT: 17.947 min Scan# 24
 Delta R.T. 0.002 min
 Lab File: BG055909.D
 Acq: 6 Dec 2022 18:46

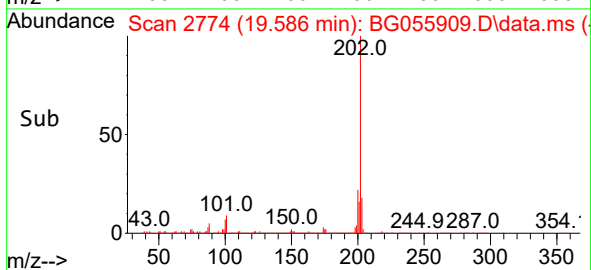
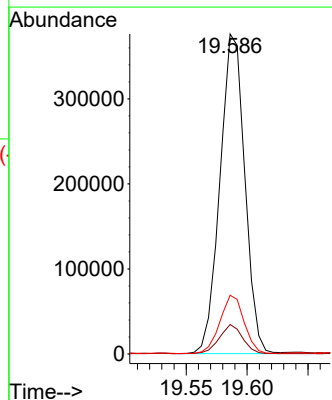
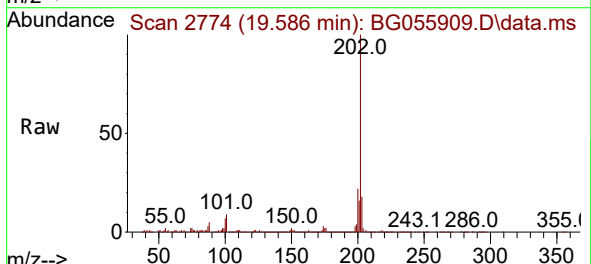
Instrument :
 BNA_G
 ClientSampleId :
 TR-5-120222DL

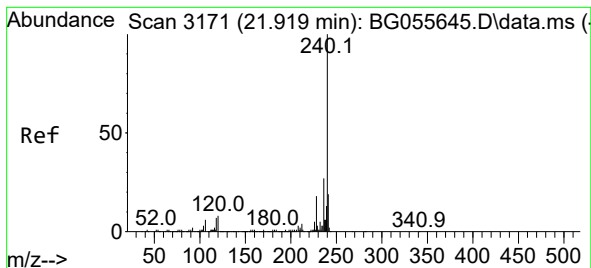
Tgt Ion:167 Resp: 58005
 Ion Ratio Lower Upper
 167 100
 166 20.5 18.2 27.2
 139 11.5 10.2 15.4



#75
 Fluoranthene
 Concen: 31.781 ng
 RT: 19.586 min Scan# 2774
 Delta R.T. 0.002 min
 Lab File: BG055909.D
 Acq: 6 Dec 2022 18:46

Tgt Ion:202 Resp: 532899
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 28.8
 203 18.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.825 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

Instrument :

BNA_G

ClientSampleId :

TR-5-120222DL

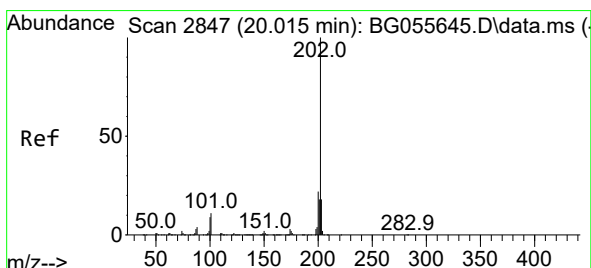
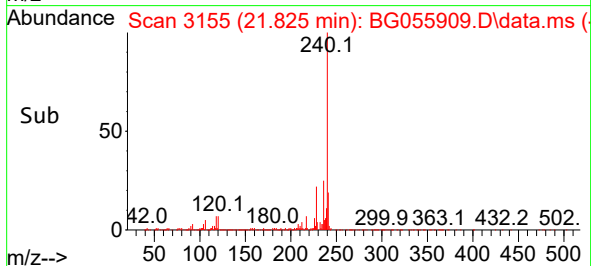
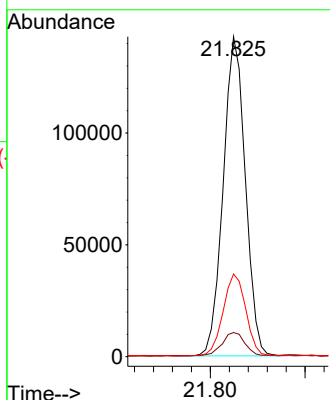
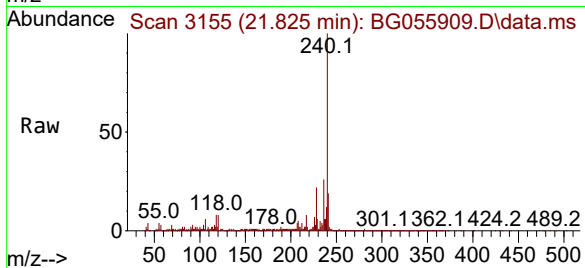
Tgt Ion:240 Resp: 231663

Ion Ratio Lower Upper

240 100

120 7.6 6.3 9.5

236 25.8 21.9 32.9



#78

Pyrene

Concen: 30.482 ng

RT: 19.950 min Scan# 2836

Delta R.T. 0.002 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

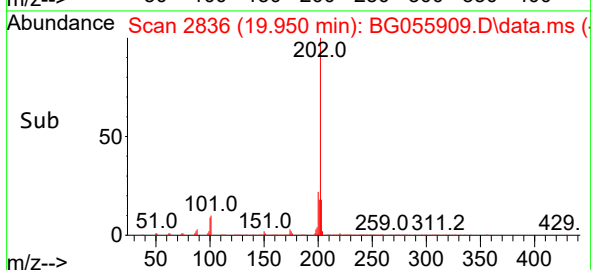
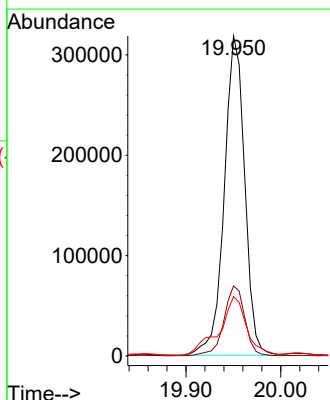
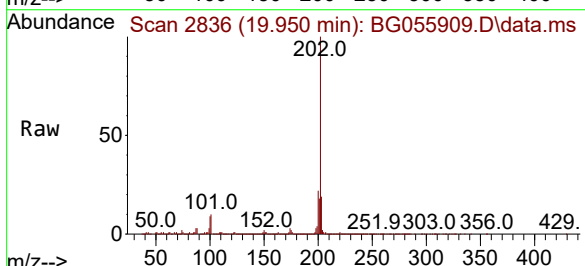
Tgt Ion:202 Resp: 477985

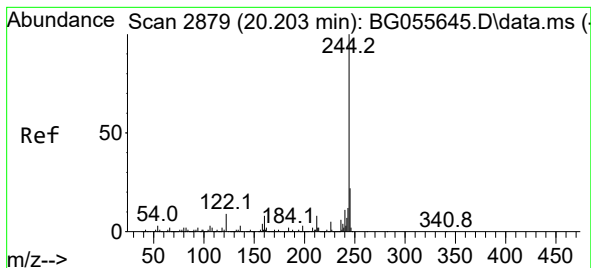
Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

203 18.5 14.4 21.6





#79

Terphenyl-d14

Concen: 5.596 ng

RT: 20.132 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

Instrument :

BNA_G

ClientSampleId :

TR-5-120222DL

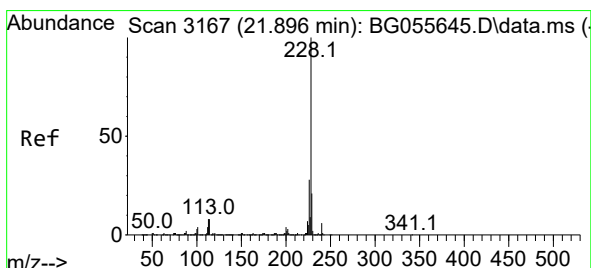
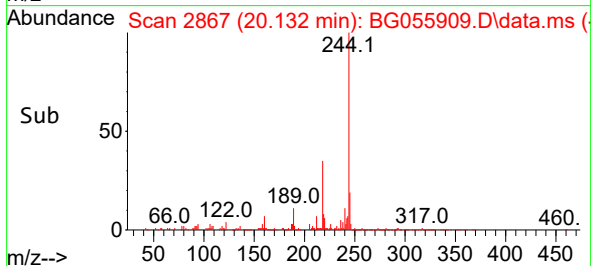
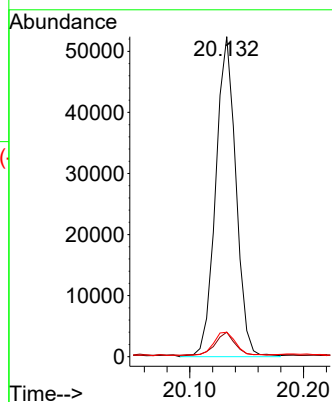
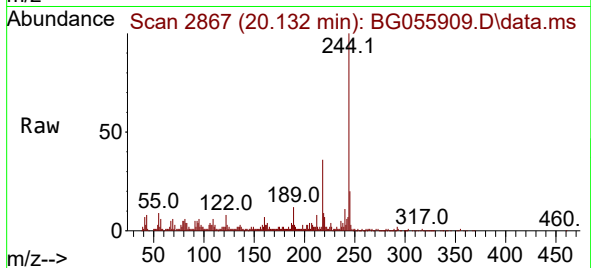
Tgt Ion:244 Resp: 64818

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

122 7.7 6.9 10.3



#81

Benzo(a)anthracene

Concen: 15.148 ng

RT: 21.807 min Scan# 3152

Delta R.T. 0.002 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

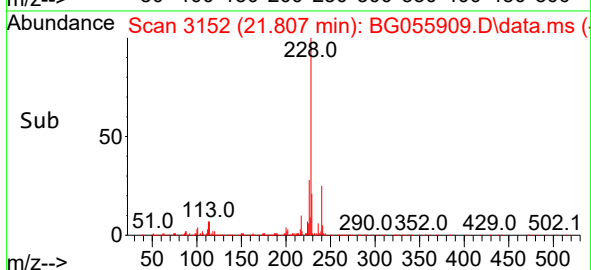
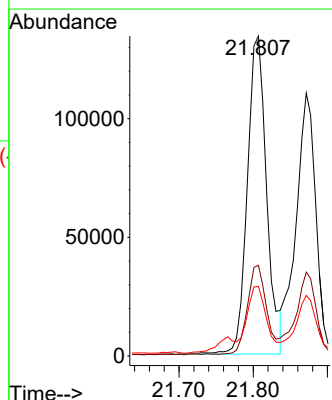
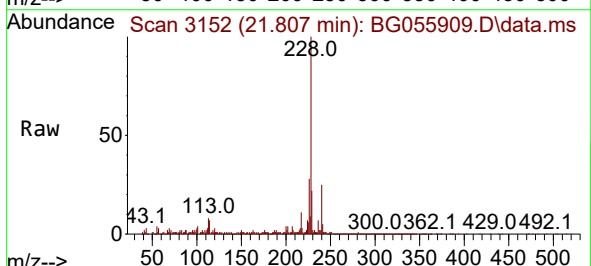
Tgt Ion:228 Resp: 241701

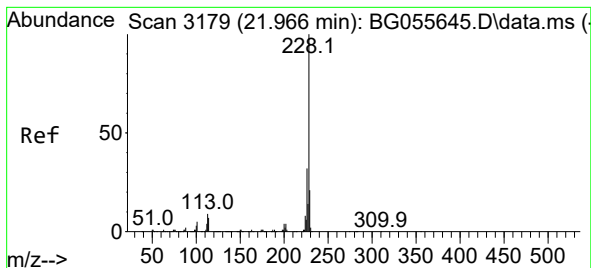
Ion Ratio Lower Upper

228 100

226 28.3 22.7 34.1

229 21.7 16.5 24.7





#83

Chrysene

Concen: 13.422 ng

RT: 21.872 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

Instrument :

BNA_G

ClientSampleId :

TR-5-120222DL

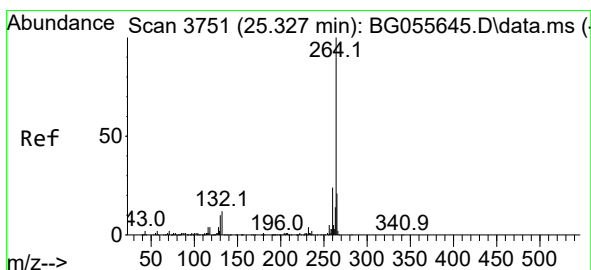
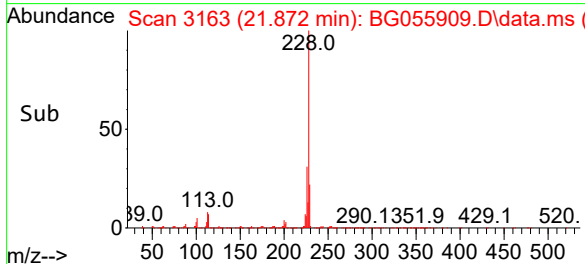
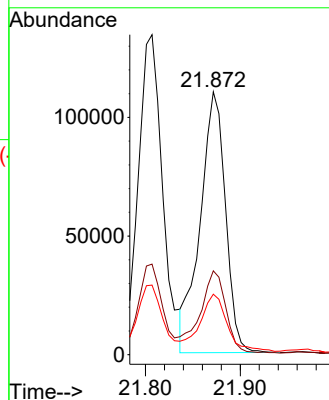
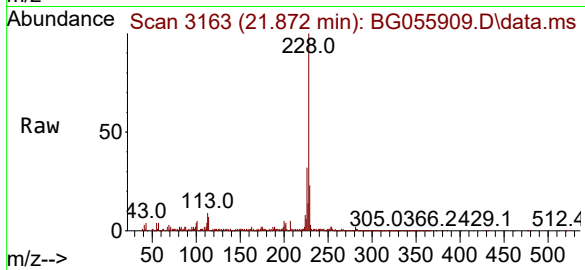
Tgt Ion:228 Resp: 203875

Ion Ratio Lower Upper

228 100

226 31.9 25.4 38.2

229 23.0 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.179 min Scan# 3726

Delta R.T. 0.002 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

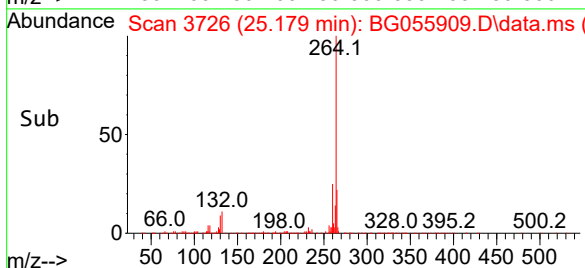
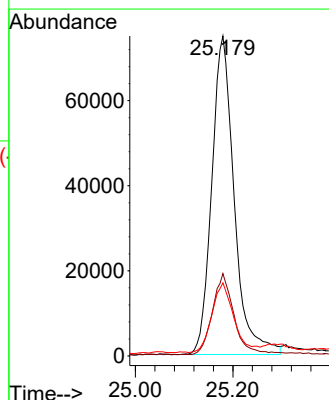
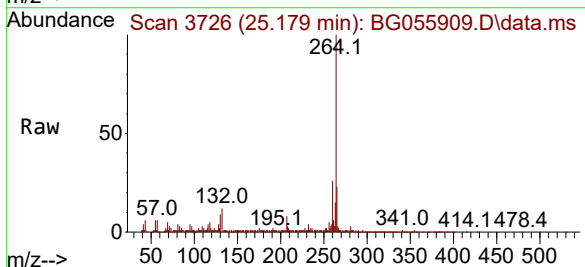
Tgt Ion:264 Resp: 239444

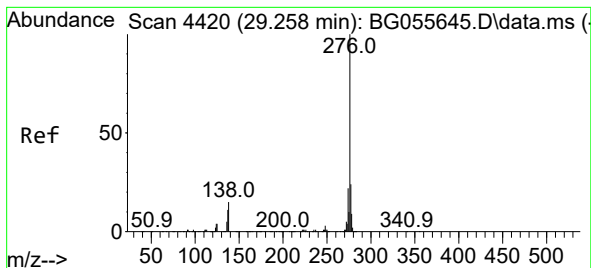
Ion Ratio Lower Upper

264 100

260 25.7 19.5 29.3

265 22.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.600 ng

RT: 29.040 min Scan# 41

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

Instrument :

BNA_G

ClientSampleId :

TR-5-120222DL

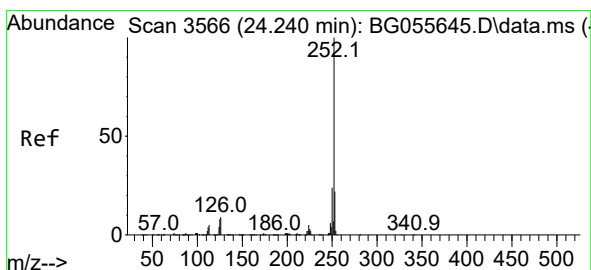
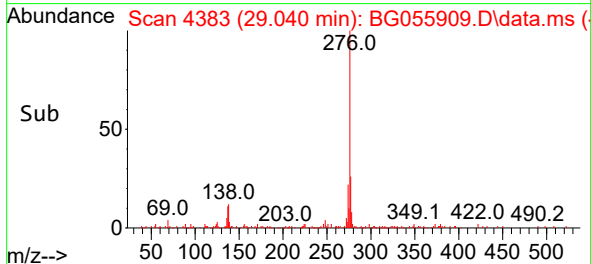
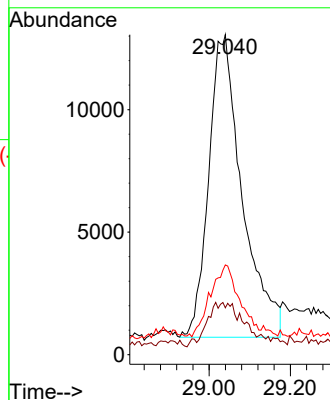
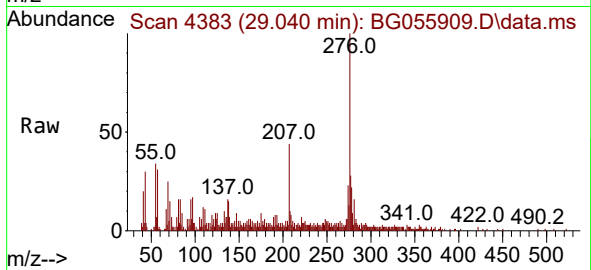
Tgt Ion:276 Resp: 70610

Ion Ratio Lower Upper

276 100

138 0.0 10.4 15.6#

277 20.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 14.170 ng

RT: 24.104 min Scan# 3543

Delta R.T. -0.004 min

Lab File: BG055909.D

Acq: 6 Dec 2022 18:46

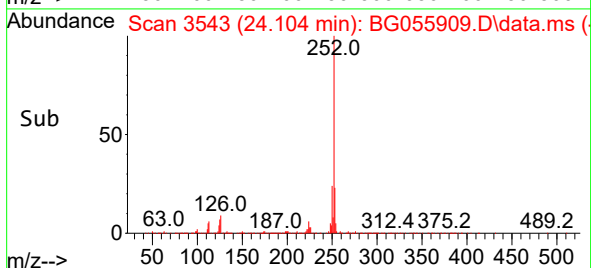
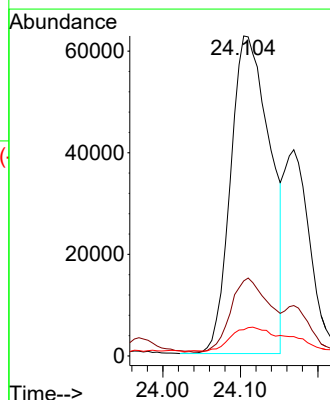
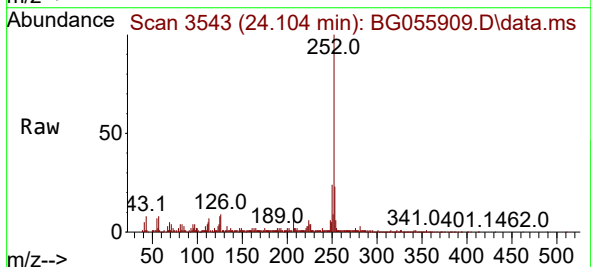
Tgt Ion:252 Resp: 220958

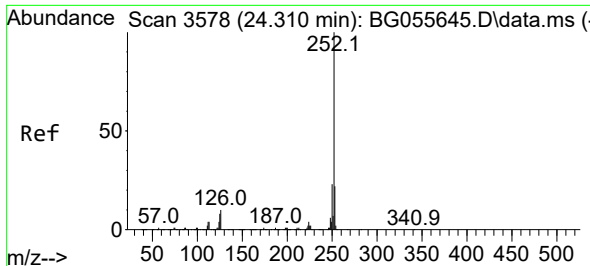
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

125 8.2 6.2 9.2

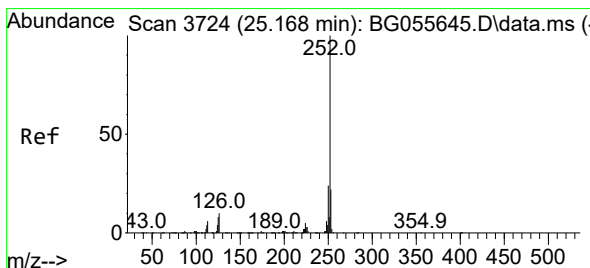
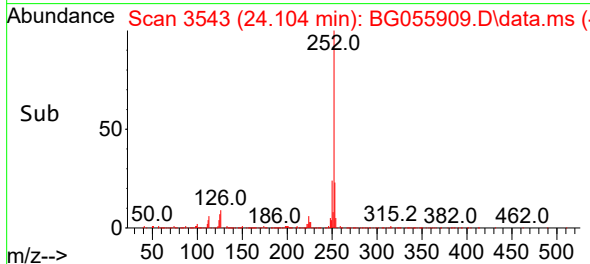
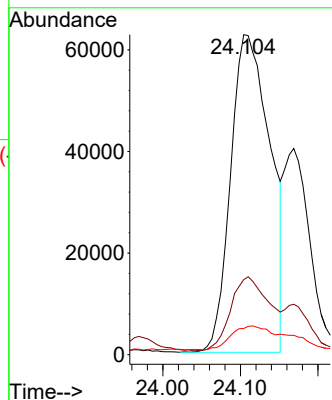
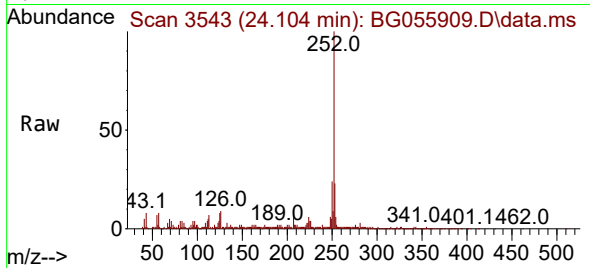




#89
Benzo(k)fluoranthene
Concen: 14.215 ng
RT: 24.104 min Scan# 31
Delta R.T. -0.074 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

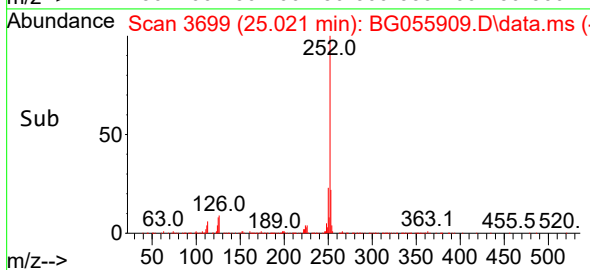
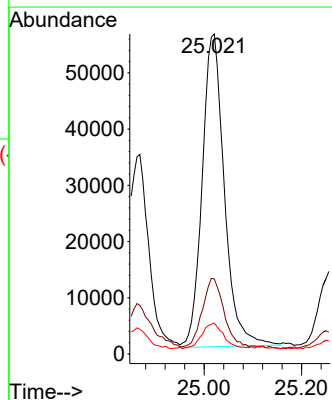
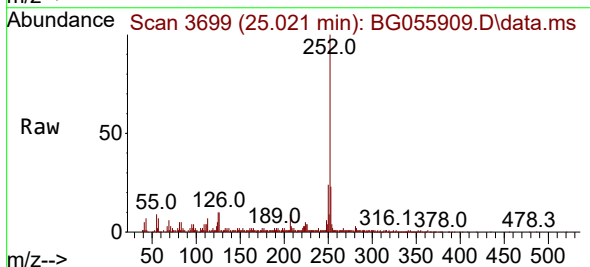
Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL

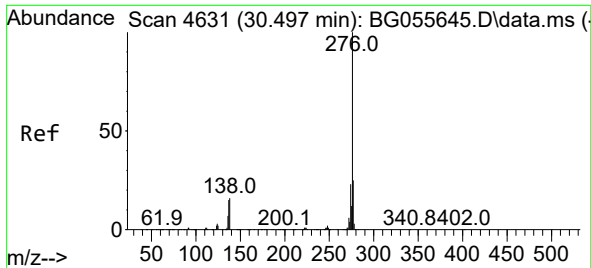
Tgt Ion:252 Resp: 220958
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 8.2 6.1 9.1



#90
Benzo(a)pyrene
Concen: 13.124 ng
RT: 25.021 min Scan# 3699
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

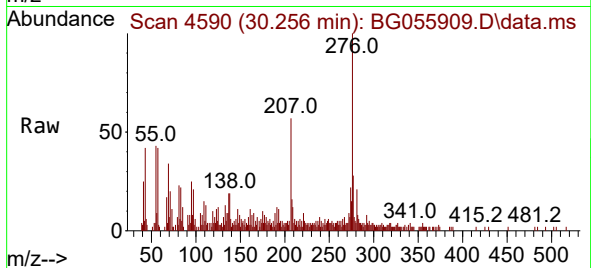
Tgt Ion:252 Resp: 175619
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 9.6 6.4 9.6#





#92
Benzo(g,h,i)perylene
Concen: 3.707 ng
RT: 30.256 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG055909.D
Acq: 6 Dec 2022 18:46

Instrument :
BNA_G
ClientSampleId :
TR-5-120222DL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.8	29.6
138	18.6	13.1	19.7

