

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056559.D
 Acq On : 6 Feb 2023 17:46
 Operator : CG/JU
 Sample : 01428-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 348

Quant Time: Feb 07 04:34:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

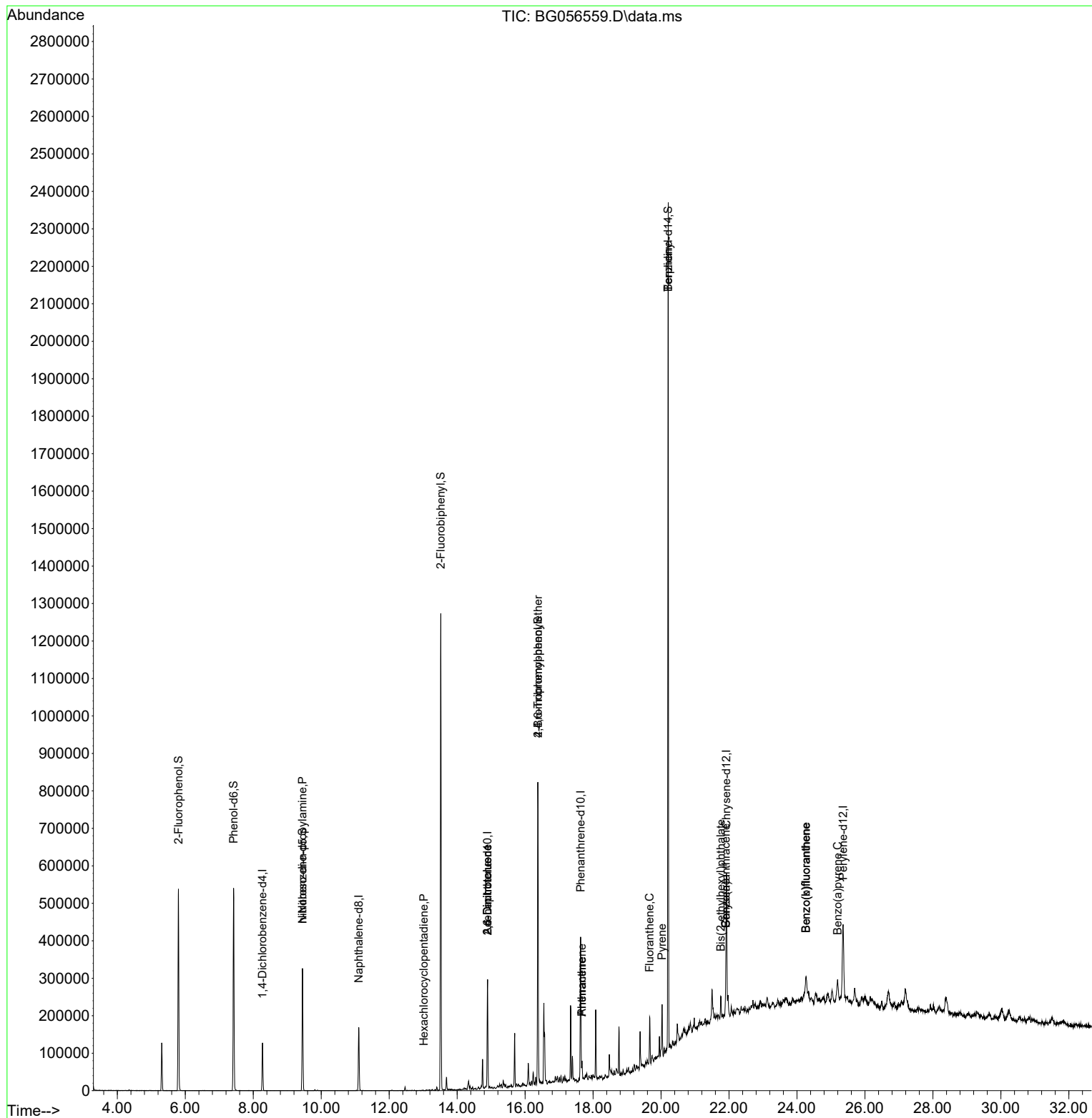
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	43109	20.000	ng	# 0.00
21) Naphthalene-d8	11.105	136	159000	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	112275	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	253197	20.000	ng	0.00
76) Chrysene-d12	21.922	240	243743	20.000	ng	0.00
86) Perylene-d12	25.359	264	263498	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	318331	135.841	ng	0.00
7) Phenol-d6	7.421	99	432212	124.479	ng	0.00
23) Nitrobenzene-d5	9.448	82	230927	82.473	ng	0.00
42) 2,4,6-Tribromophenol	16.376	330	175878	117.831	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	726182	89.672	ng	0.00
79) Terphenyl-d14	20.212	244	1198149	86.336	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.416	77	722	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.448	70	28332	14.159	ng	# 73
41) Hexachlorocyclopentadiene	13.021	237	64	6.399	ng	# 25
51) 2,6-Dinitrotoluene	14.895	165	14960	7.552	ng	# 37
57) 2,4-Dinitrotoluene	14.895	165	14960	5.362	ng	# 36
67) 4-Bromophenyl-phenylether	16.376	248	13851	4.273	ng	# 1
71) Phenanthrene	17.674	178	29475	2.224	ng	# 94
72) Anthracene	17.674	178	29475	2.167	ng	97
75) Fluoranthene	19.666	202	87587	5.237	ng	98
77) Benzidine	20.212	184	16082	2.438	ng	# 95
78) Pyrene	20.030	202	89530	5.165	ng	98
81) Benzo(a)anthracene	21.904	228	38857	2.280	ng	95
83) Chrysene	21.904	228	38857	2.427	ng	95
84) Bis(2-ethylhexyl)phtha...	21.758	149	27529	3.627	ng	# 99
88) Benzo(b)fluoranthene	24.260	252	79562	4.865	ng	# 86
89) Benzo(k)fluoranthene	24.260	252	79562	4.818	ng	# 84
90) Benzo(a)pyrene	25.195	252	49884	3.096	ng	# 91

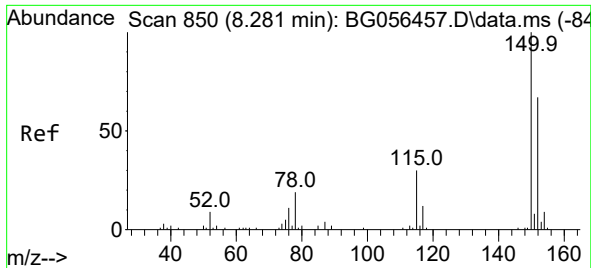
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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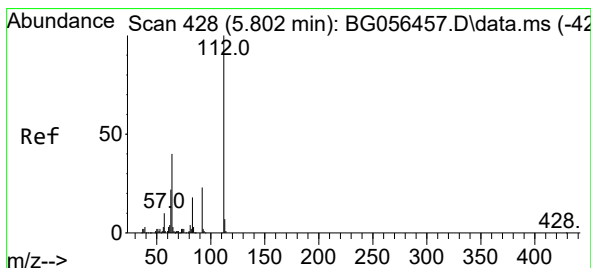
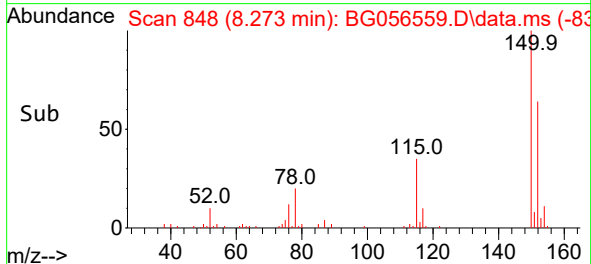
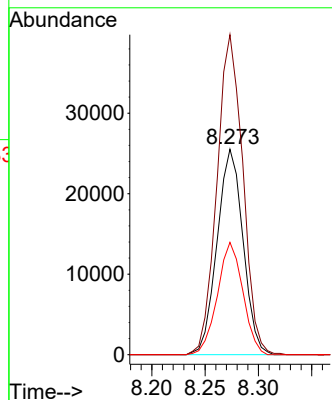
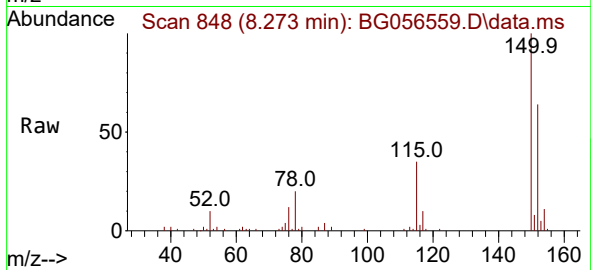




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

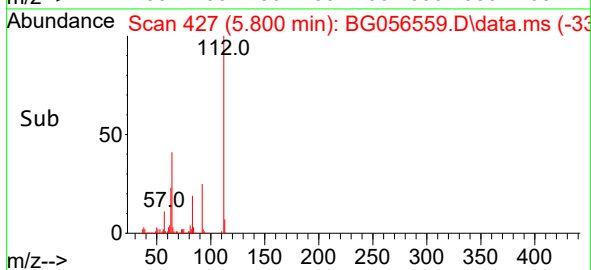
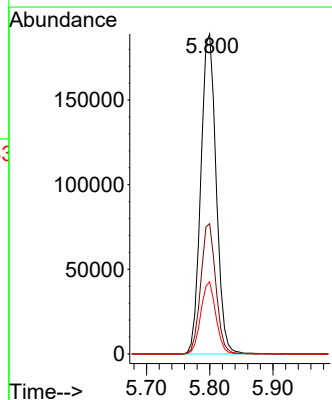
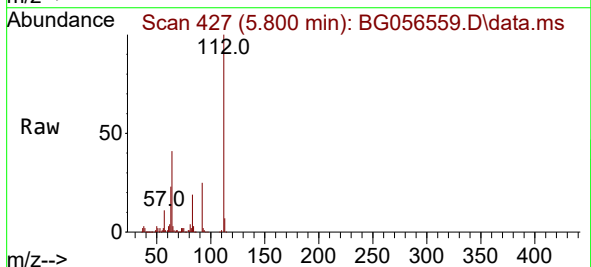
Instrument :
BNA_G
ClientSampleId :
348

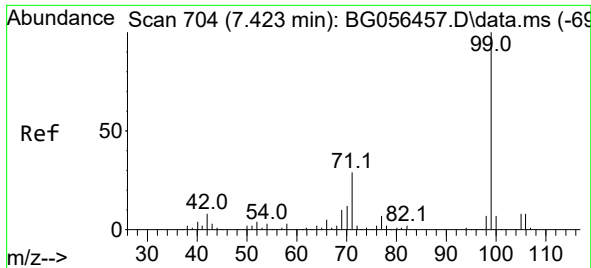
Tgt Ion:152 Resp: 43109
Ion Ratio Lower Upper
152 100
150 155.8 120.2 180.4
115 54.7 36.3 54.5#



#5
2-Fluorophenol
Concen: 135.841 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.010 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:112 Resp: 318331
Ion Ratio Lower Upper
112 100
64 40.7 31.9 47.9
63 22.6 17.4 26.0

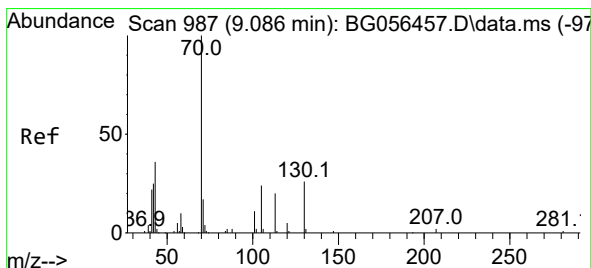
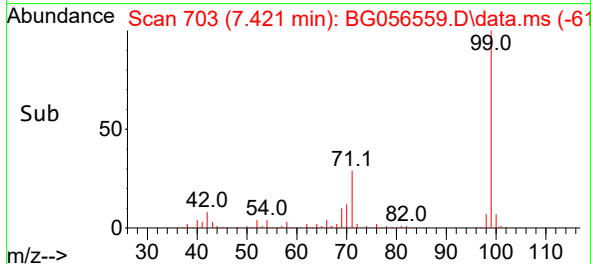
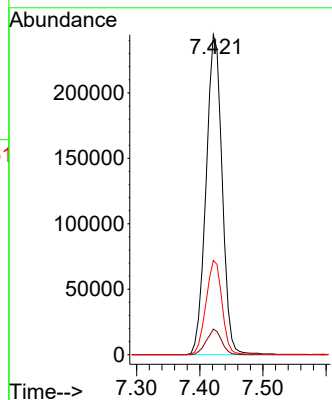
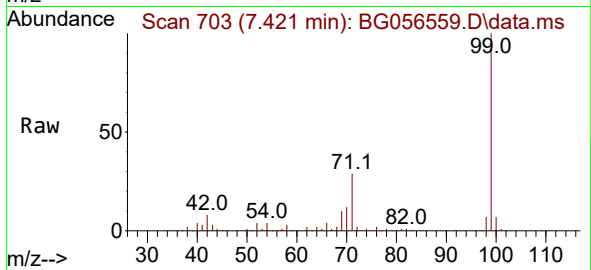




#7
Phenol-d6
Concen: 124.479 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.004 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

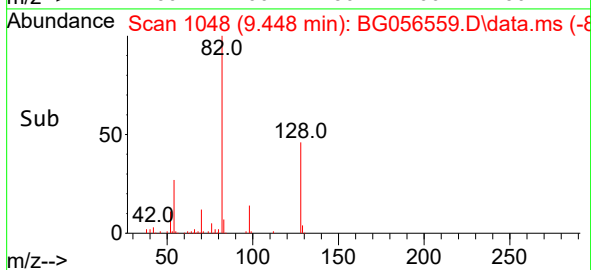
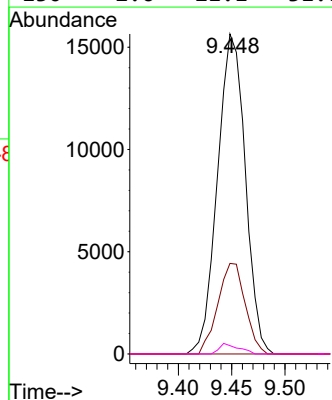
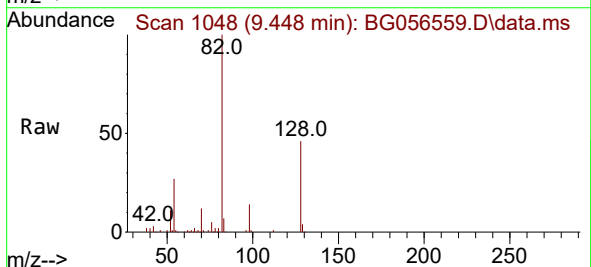
Instrument :
BNA_G
ClientSampleId :
348

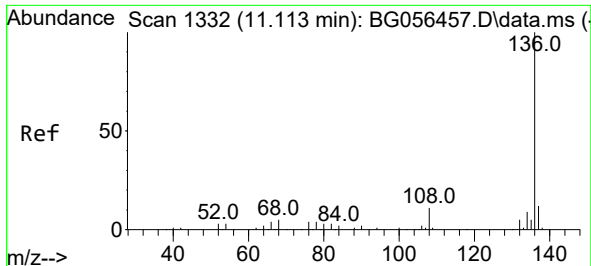
Tgt Ion: 99 Resp: 432212
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 29.4 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.159 ng
RT: 9.448 min Scan# 1048
Delta R.T. 0.374 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion: 70 Resp: 28332
Ion Ratio Lower Upper
70 100
42 28.3 20.2 30.4
101 0.0 9.1 13.7#
130 2.6 21.1 31.7#

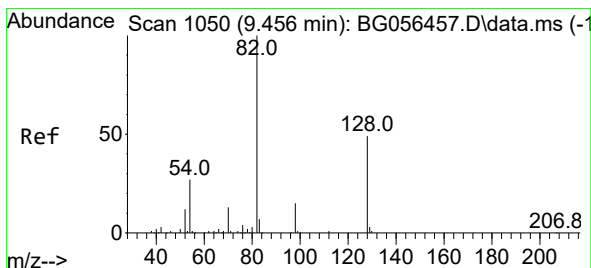
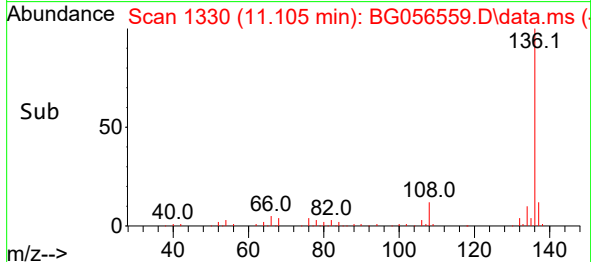
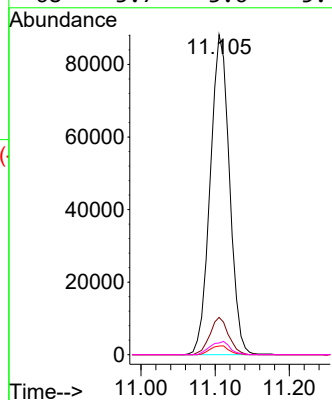
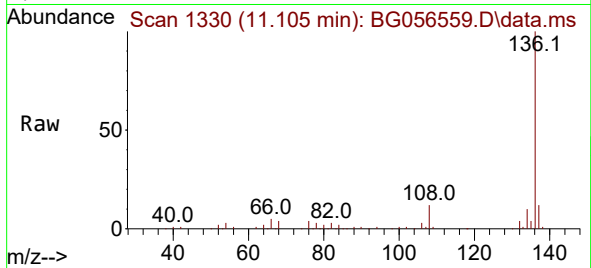




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

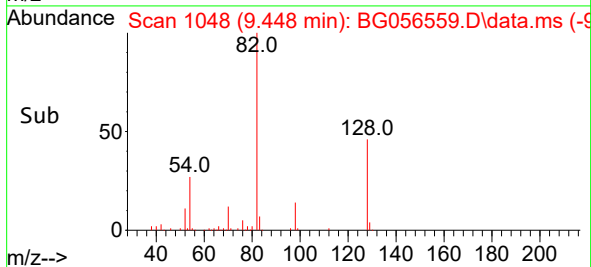
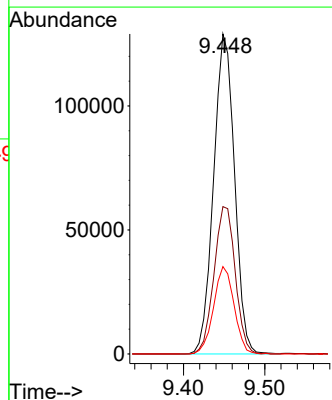
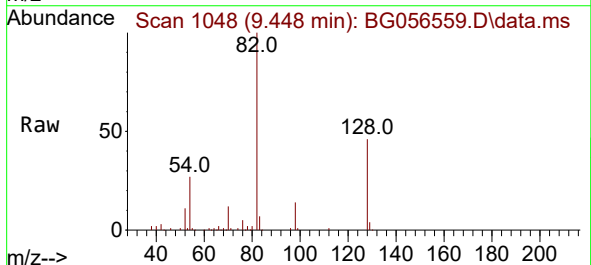
Instrument :
BNA_G
ClientSampleId :
348

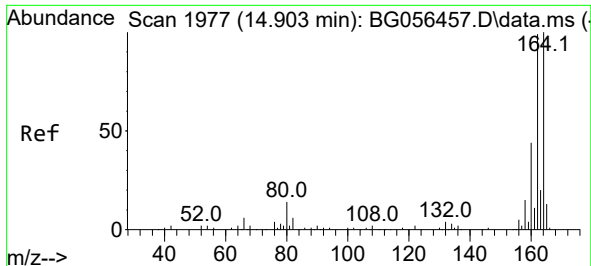
Tgt Ion:136 Resp: 159000
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.7 2.2 3.4
68 3.7 3.6 5.4



#23
Nitrobenzene-d5
Concen: 82.473 ng
RT: 9.448 min Scan# 1048
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion: 82 Resp: 230927
Ion Ratio Lower Upper
82 100
128 46.1 39.4 59.2
54 27.3 21.4 32.2

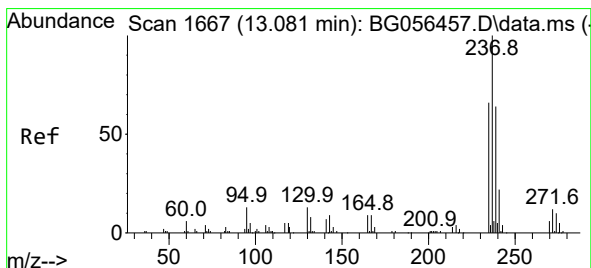
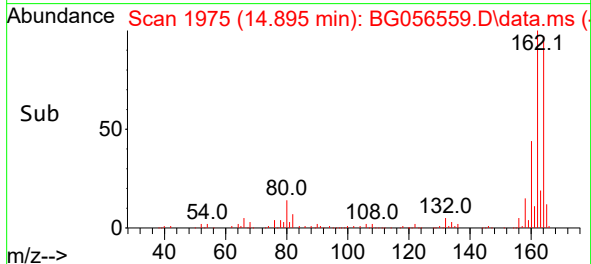
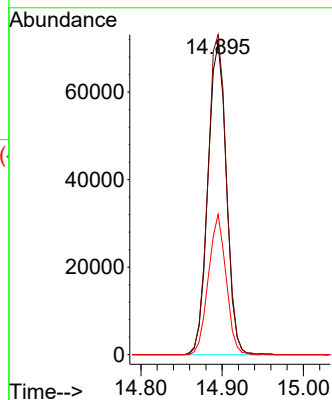
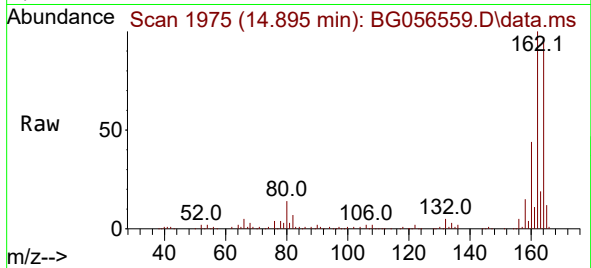




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

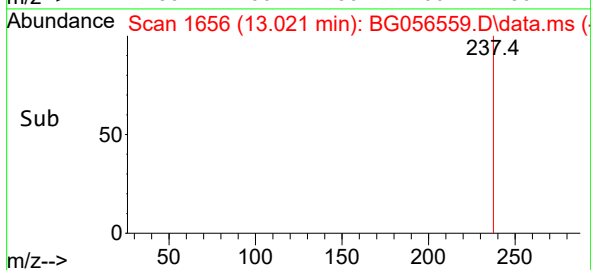
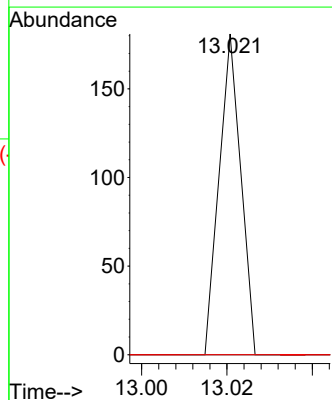
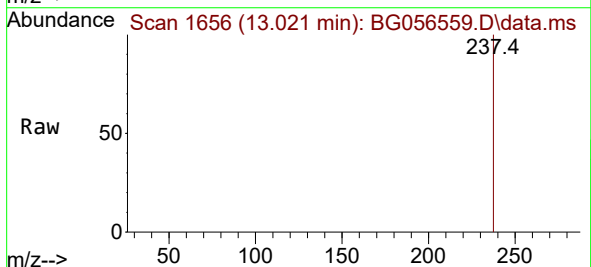
Instrument :
BNA_G
ClientSampleId :
348

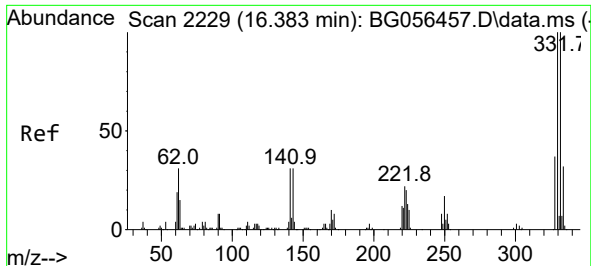
Tgt Ion:164 Resp: 112275
Ion Ratio Lower Upper
164 100
162 103.0 79.6 119.4
160 45.1 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 6.399 ng
RT: 13.021 min Scan# 1656
Delta R.T. -0.061 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:237 Resp: 64
Ion Ratio Lower Upper
237 100
235 0.0 45.6 85.6#
272 0.0 0.0 32.3





#42

2,4,6-Tribromophenol

Concen: 117.831 ng

RT: 16.376 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

Instrument :

BNA_G

ClientSampleId :

348

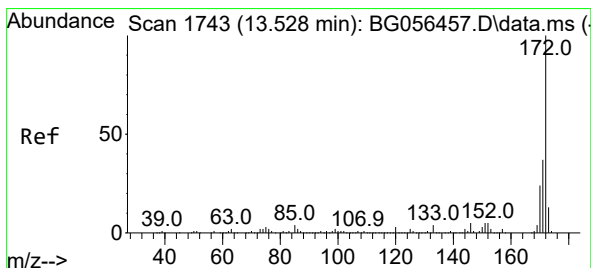
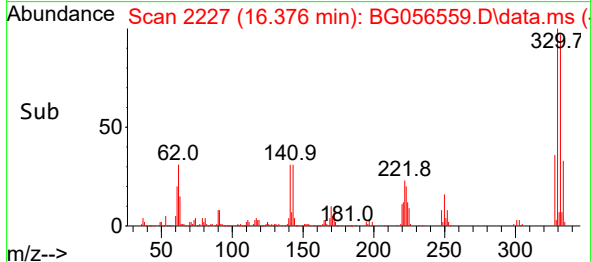
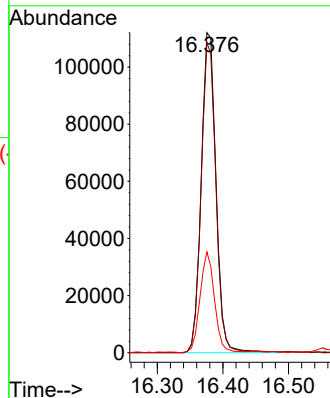
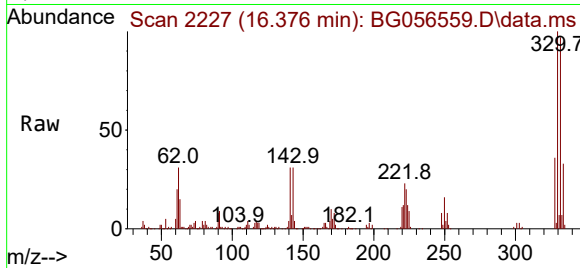
Tgt Ion:330 Resp: 175878

Ion Ratio Lower Upper

330 100

332 95.6 79.0 118.6

141 30.8 24.2 36.4



#45

2-Fluorobiphenyl

Concen: 89.672 ng

RT: 13.520 min Scan# 1741

Delta R.T. -0.002 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

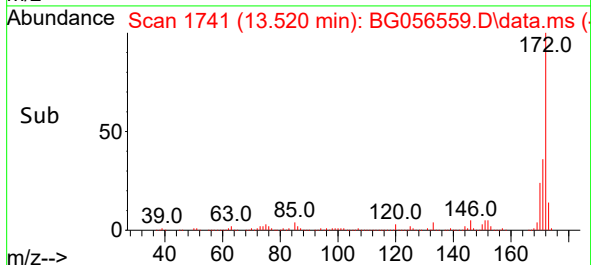
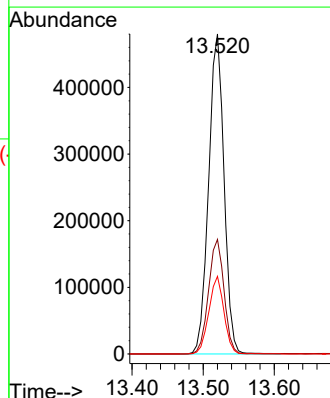
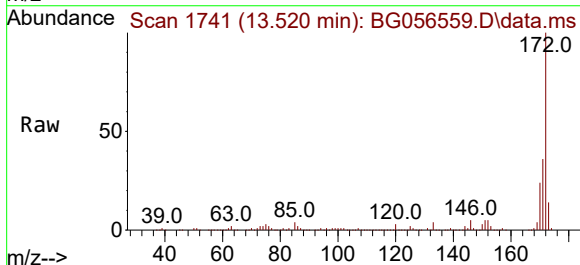
Tgt Ion:172 Resp: 726182

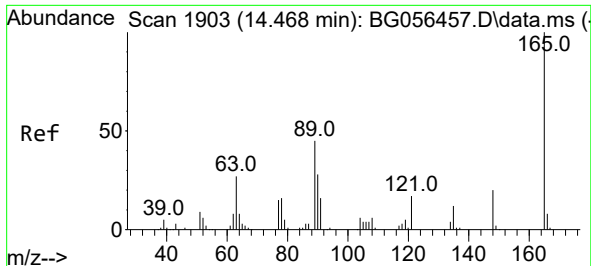
Ion Ratio Lower Upper

172 100

171 35.8 29.5 44.3

170 24.2 19.2 28.8

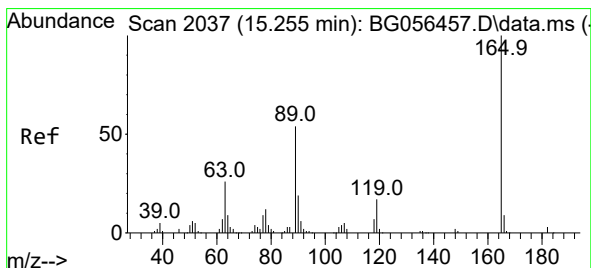
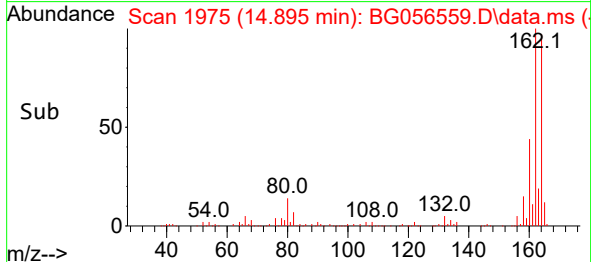
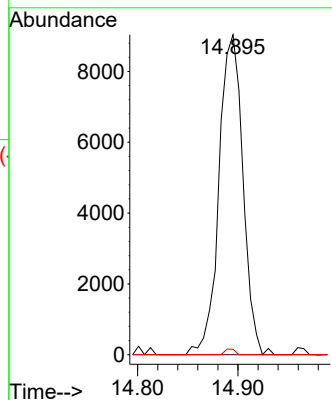
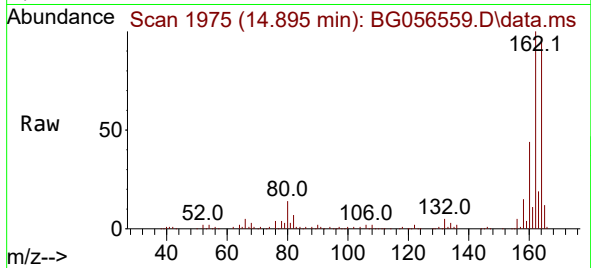




#51
2,6-Dinitrotoluene
Concen: 7.552 ng
RT: 14.895 min Scan# 1975
Delta R.T. 0.427 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

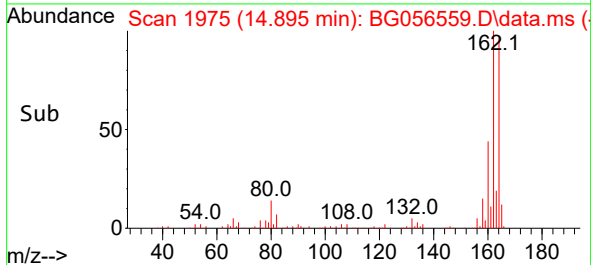
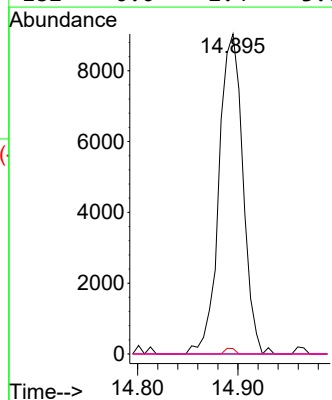
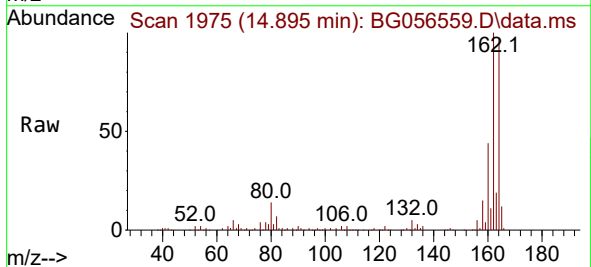
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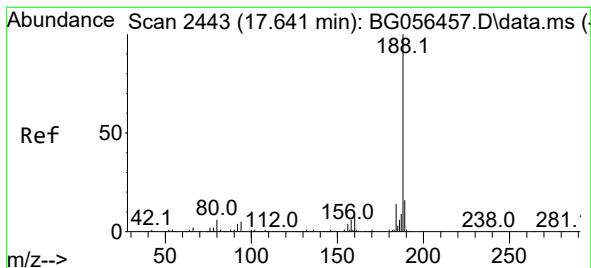
Tgt Ion:165 Resp: 14960
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 1.7 35.6 53.4#



#57
2,4-Dinitrotoluene
Concen: 5.362 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.360 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:165 Resp: 14960
Ion Ratio Lower Upper
165 100
63 0.0 20.6 31.0#
89 1.7 43.1 64.7#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.633 min Scan# 2443

Delta R.T. -0.008 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

Instrument :

BNA_G

ClientSampleId :

348

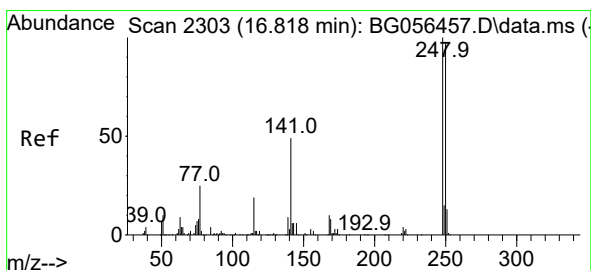
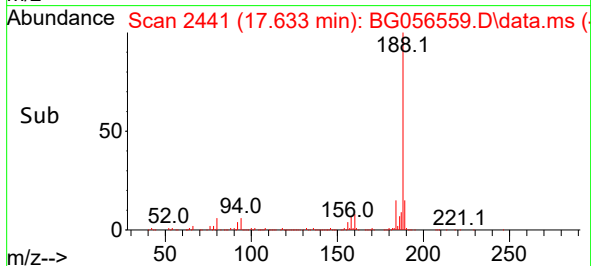
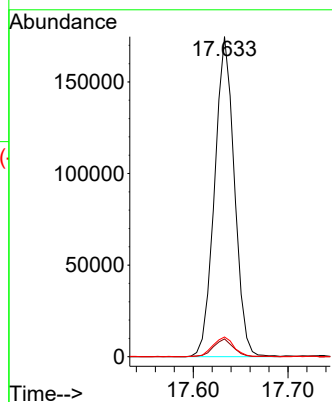
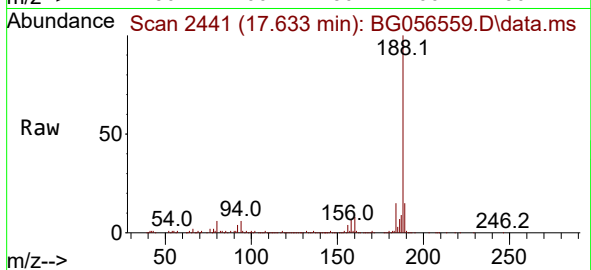
Tgt Ion:188 Resp: 253197

Ion Ratio Lower Upper

188 100

94 5.5 4.1 6.1

80 6.2 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 4.273 ng

RT: 16.376 min Scan# 2227

Delta R.T. -0.437 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

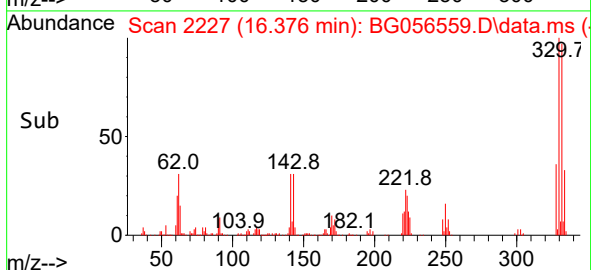
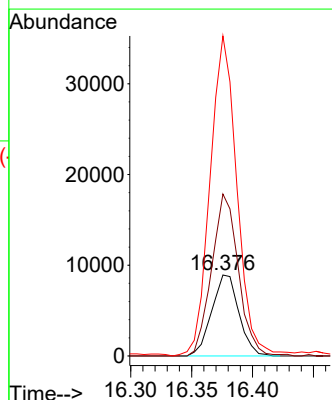
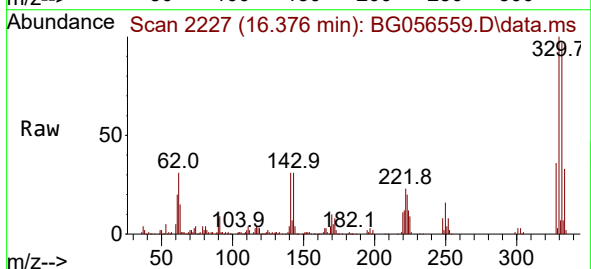
Tgt Ion:248 Resp: 13851

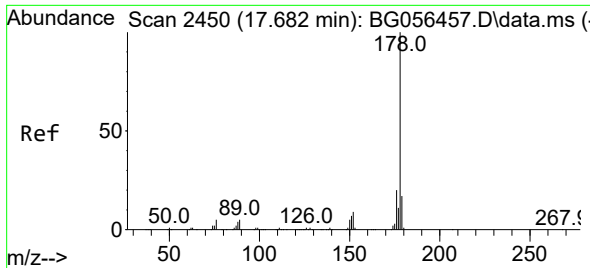
Ion Ratio Lower Upper

248 100

250 152.4 77.6 116.4#

141 301.1 39.0 58.4#

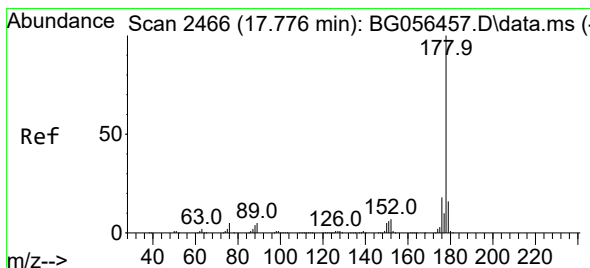
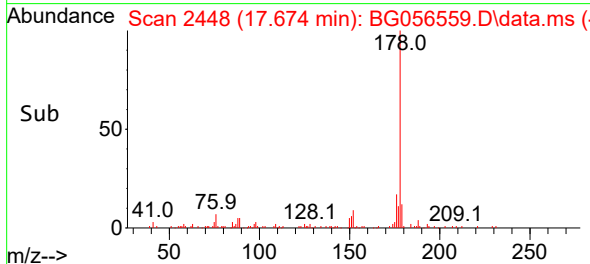
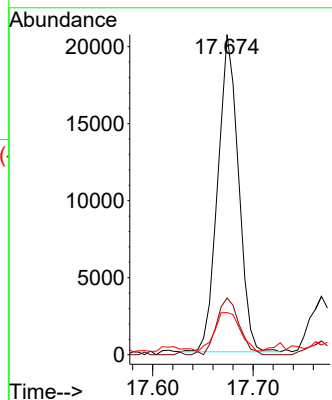
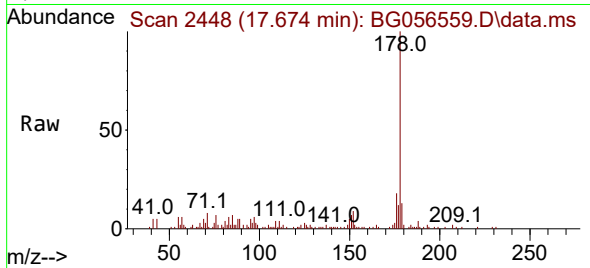




#71
Phenanthrene
Concen: 2.224 ng
RT: 17.674 min Scan# 2448
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

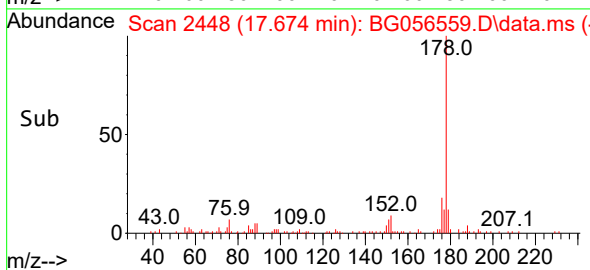
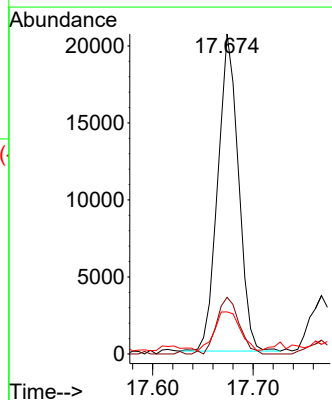
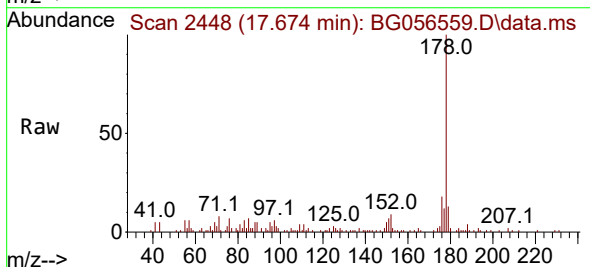
Instrument :
BNA_G
ClientSampleId :
348

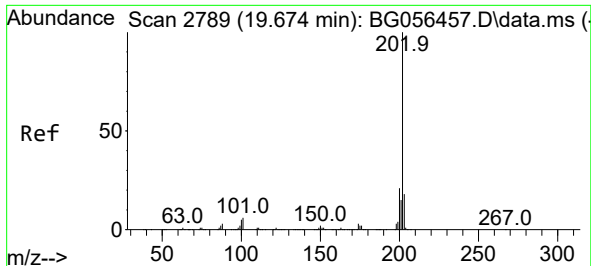
Tgt Ion:178 Resp: 29475
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 13.1 13.3 19.9#



#72
Anthracene
Concen: 2.167 ng
RT: 17.674 min Scan# 2448
Delta R.T. -0.096 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:178 Resp: 29475
Ion Ratio Lower Upper
178 100
176 17.7 14.5 21.7
179 13.1 12.5 18.7

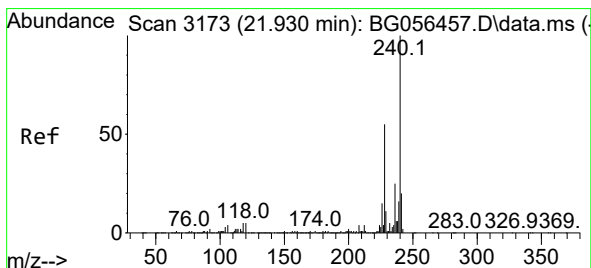
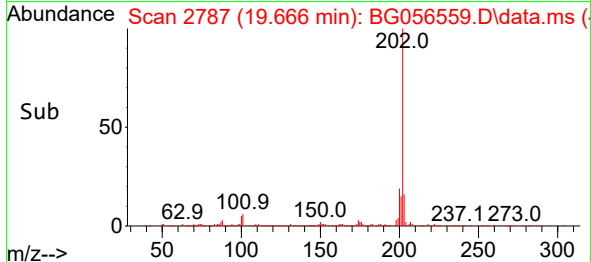
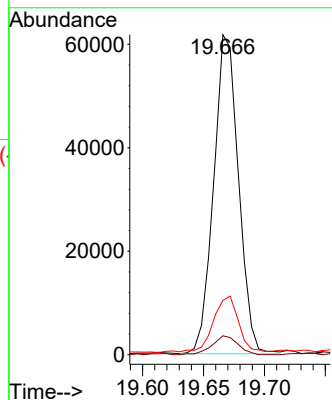
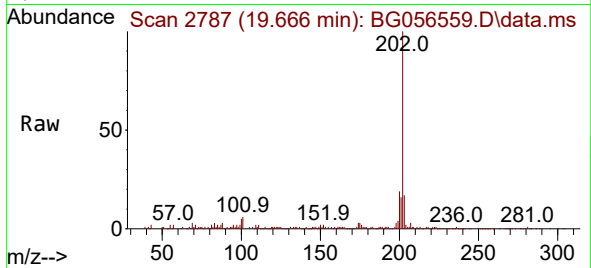




#75
Fluoranthene
Concen: 5.237 ng
RT: 19.666 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

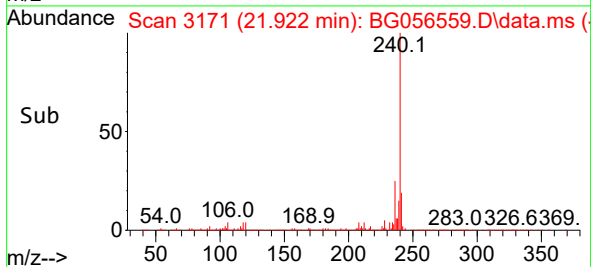
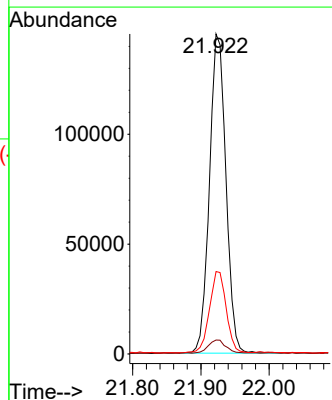
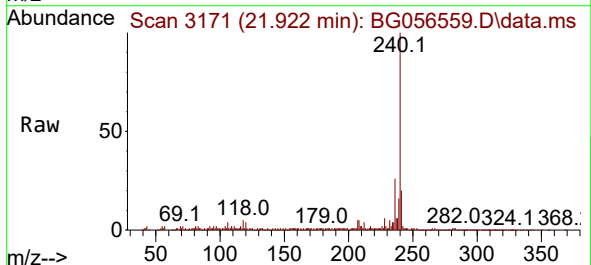
Instrument :
BNA_G
ClientSampleId :
348

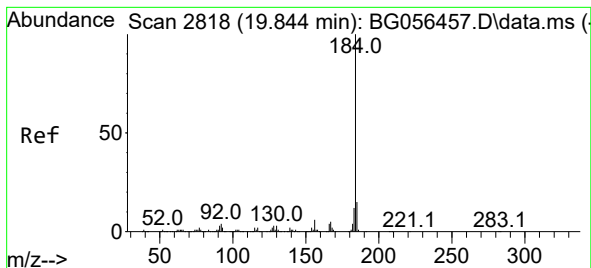
Tgt Ion:202 Resp: 87587
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.6
203 16.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:240 Resp: 243743
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.8 20.2 30.2





#77

Benzidine

Concen: 2.438 ng

RT: 20.212 min Scan# 2880

Delta R.T. 0.374 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

Instrument :

BNA_G

ClientSampleId :

348

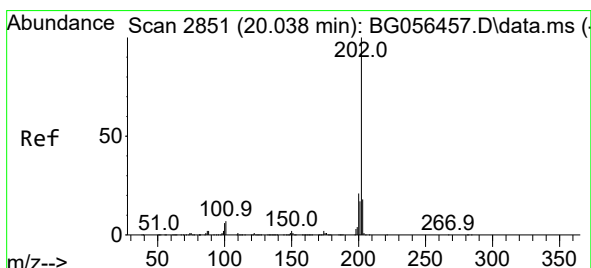
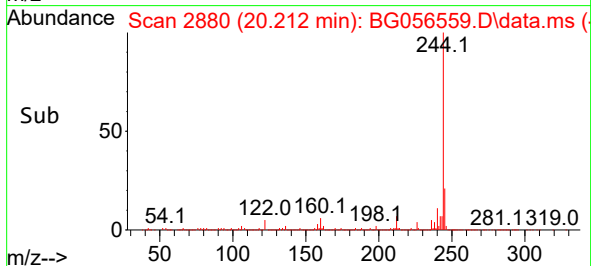
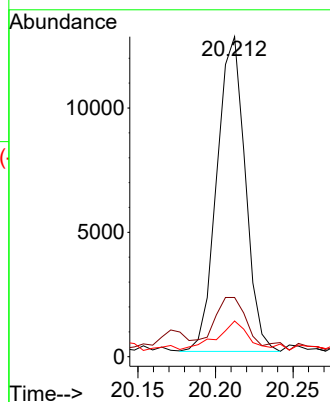
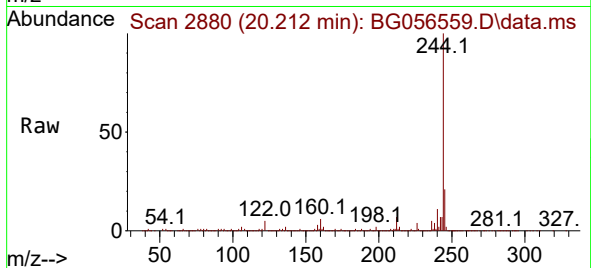
Tgt Ion:184 Resp: 16082

Ion Ratio Lower Upper

184 100

185 18.5 12.3 18.5#

183 11.2 9.8 14.8



#78

Pyrene

Concen: 5.165 ng

RT: 20.030 min Scan# 2849

Delta R.T. -0.002 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

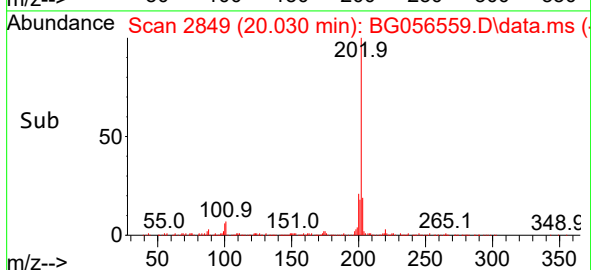
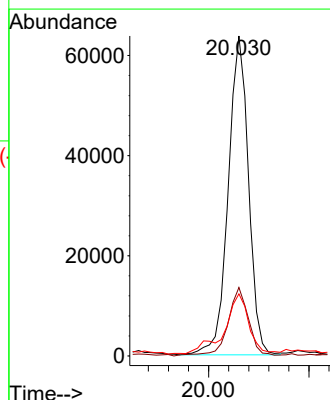
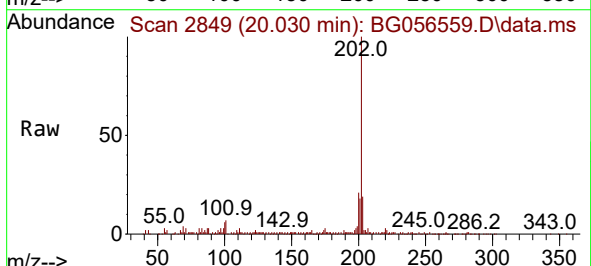
Tgt Ion:202 Resp: 89530

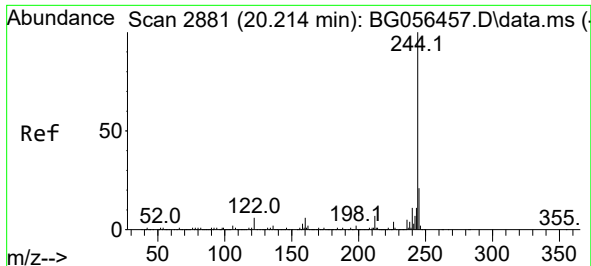
Ion Ratio Lower Upper

202 100

200 21.4 16.7 25.1

203 19.4 14.4 21.6

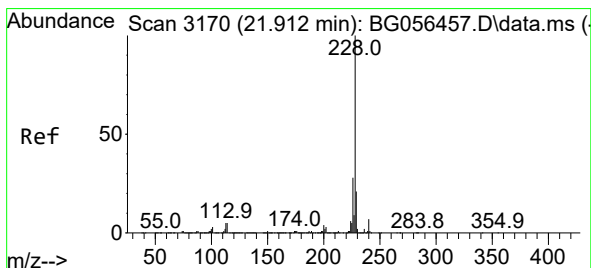
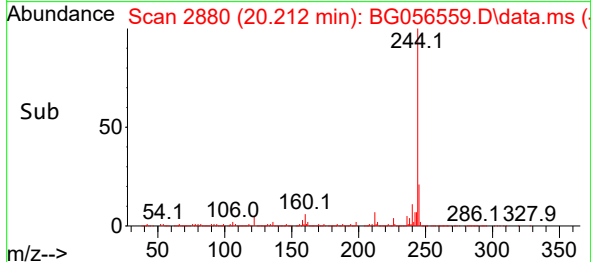
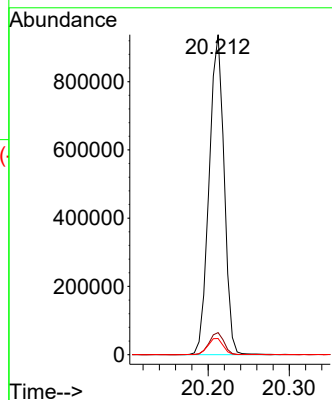
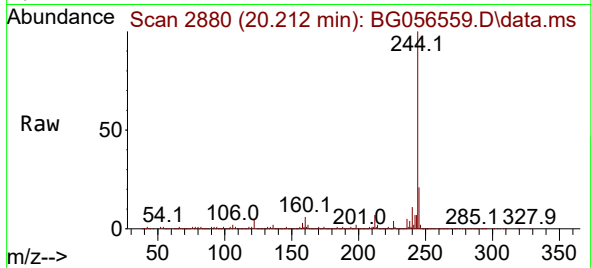




#79
 Terphenyl-d14
 Concen: 86.336 ng
 RT: 20.212 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056559.D
 Acq: 6 Feb 2023 17:46

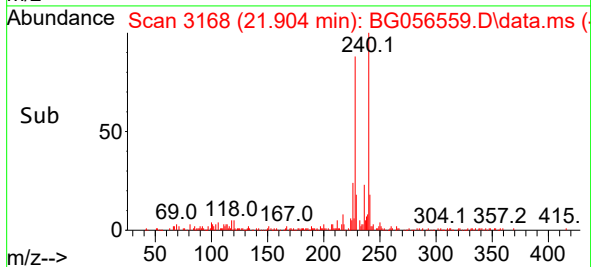
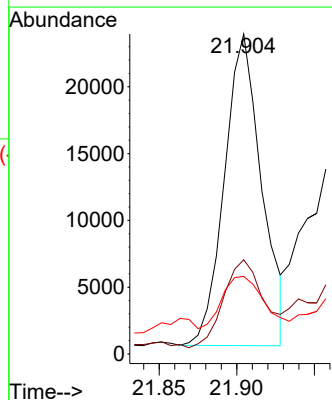
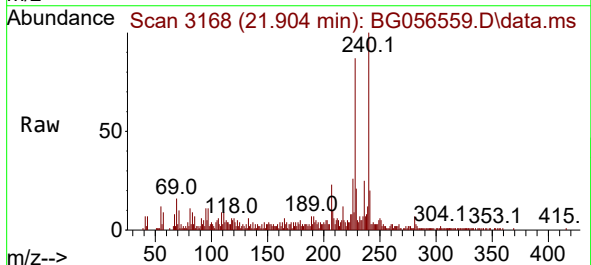
Instrument :
 BNA_G
 ClientSampleId :
 348

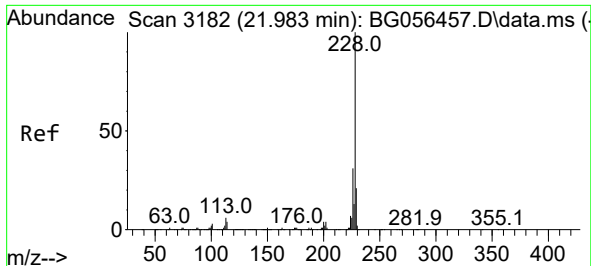
Tgt Ion:244 Resp: 1198149
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.0 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 2.280 ng
 RT: 21.904 min Scan# 3168
 Delta R.T. -0.008 min
 Lab File: BG056559.D
 Acq: 6 Feb 2023 17:46

Tgt Ion:228 Resp: 38857
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.4 33.6
 229 24.3 16.5 24.7

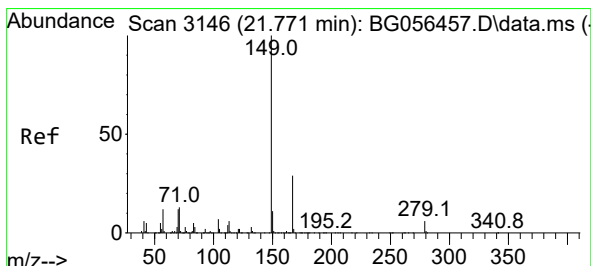
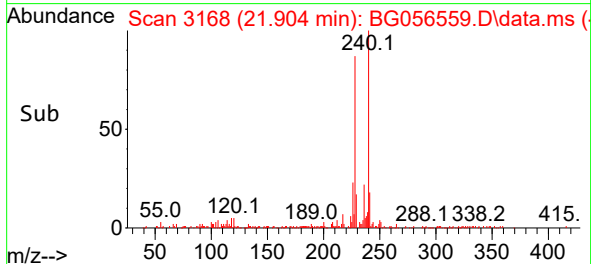
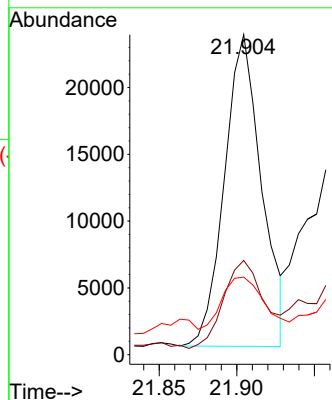
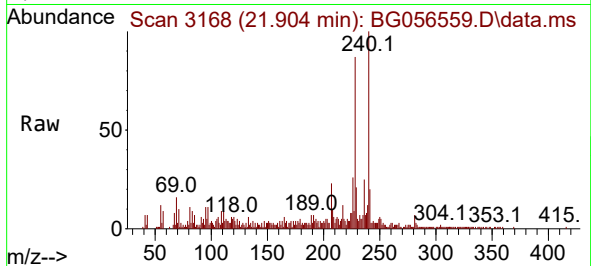




#83
Chrysene
Concen: 2.427 ng
RT: 21.904 min Scan# 3182
Delta R.T. -0.078 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

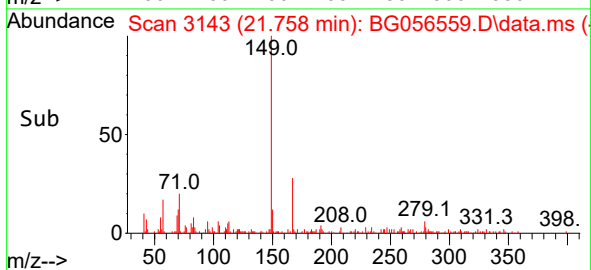
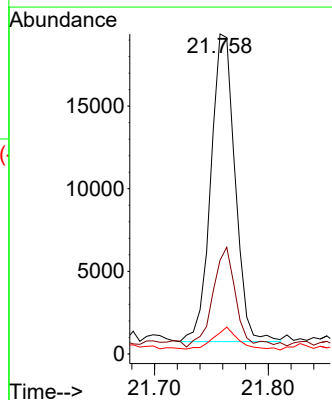
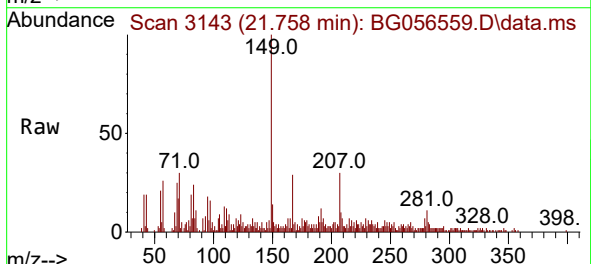
Instrument :
BNA_G
ClientSampleId :
348

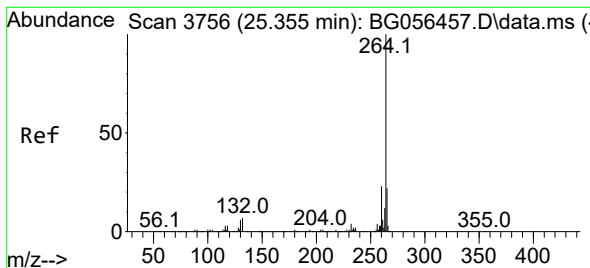
Tgt Ion:228 Resp: 38857
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.4
229 24.3 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.627 ng
RT: 21.758 min Scan# 3143
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:149 Resp: 27529
Ion Ratio Lower Upper
149 100
167 29.3 23.4 35.2
279 6.6 4.4 6.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.359 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

Instrument :

BNA_G

ClientSampleId :

348

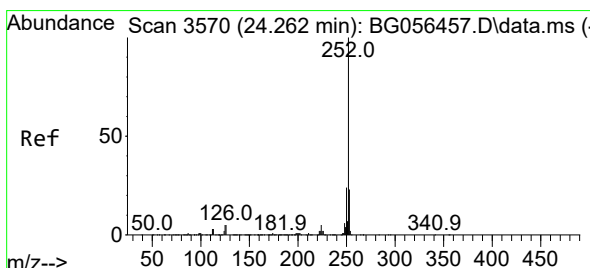
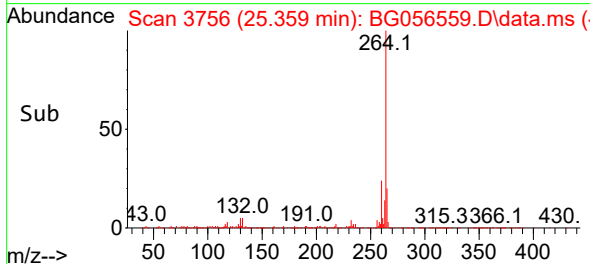
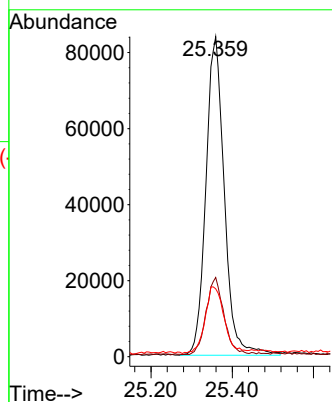
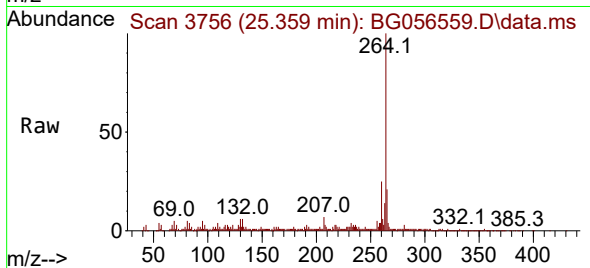
Tgt Ion:264 Resp: 263498

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 21.2 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 4.865 ng

RT: 24.260 min Scan# 3569

Delta R.T. -0.002 min

Lab File: BG056559.D

Acq: 6 Feb 2023 17:46

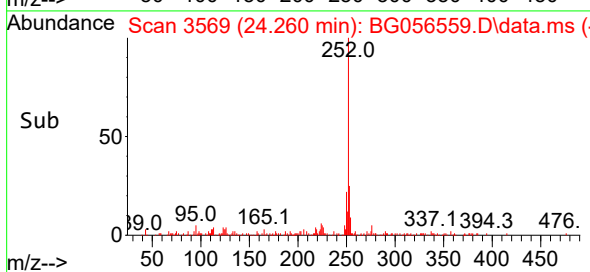
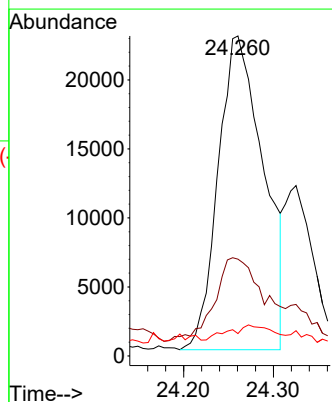
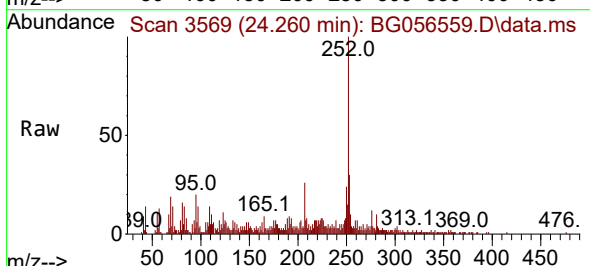
Tgt Ion:252 Resp: 79562

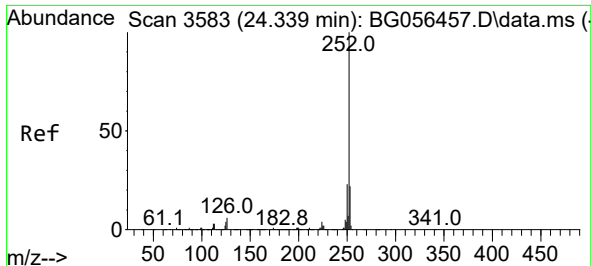
Ion Ratio Lower Upper

252 100

253 30.2 18.1 27.1#

125 7.0 3.9 5.9#

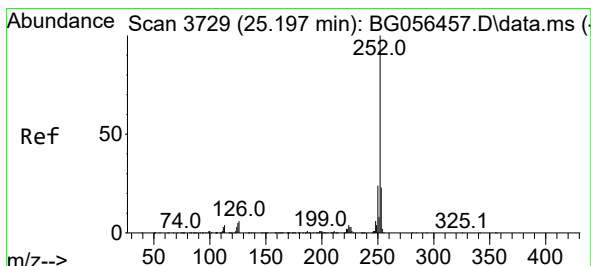
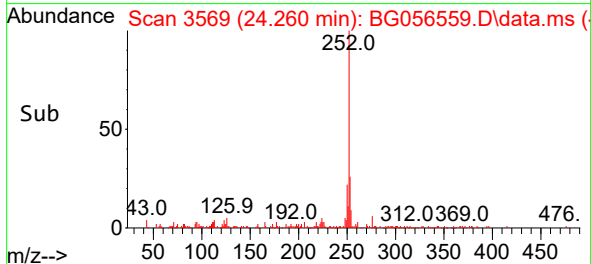
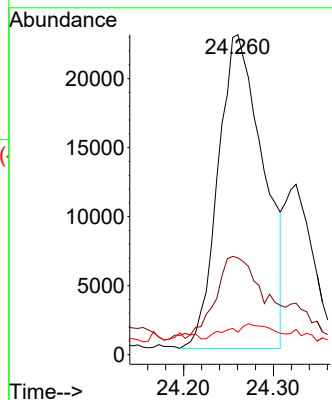
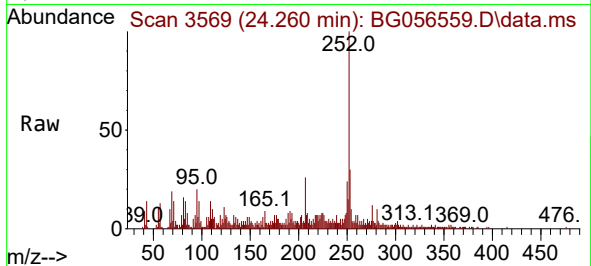




#89
Benzo(k)fluoranthene
Concen: 4.818 ng
RT: 24.260 min Scan# 31
Delta R.T. -0.078 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Instrument :
BNA_G
ClientSampleId :
348

Tgt Ion:252 Resp: 79562
Ion Ratio Lower Upper
252 100
253 30.2 17.5 26.3#
125 7.0 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 3.096 ng
RT: 25.195 min Scan# 3728
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:252 Resp: 49884
Ion Ratio Lower Upper
252 100
253 26.0 18.4 27.6
125 11.5 4.1 6.1#

