

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056598.D
 Acq On : 9 Feb 2023 15:28
 Operator : CG/JU
 Sample : 01507-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-330

Quant Time: Feb 10 00:15:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

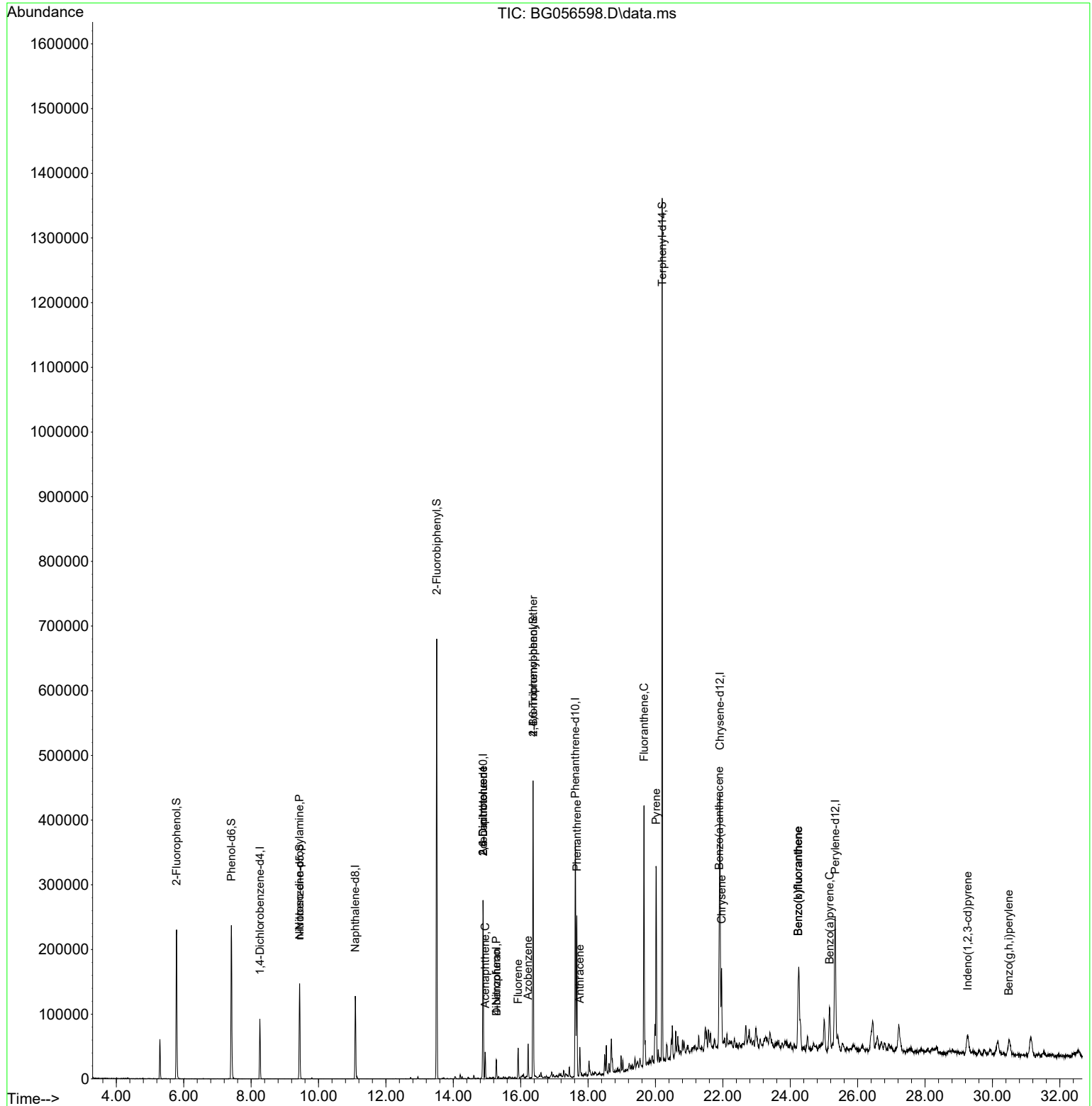
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.261	152	30350	20.000	ng	0.00
21) Naphthalene-d8	11.093	136	121891	20.000	ng	# 0.00
39) Acenaphthene-d10	14.882	164	105165	20.000	ng	0.00
64) Phenanthrene-d10	17.620	188	256676	20.000	ng	0.00
76) Chrysene-d12	21.909	240	234812	20.000	ng	-0.01
86) Perylene-d12	25.335	264	255510	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	137991	83.639	ng	0.00
7) Phenol-d6	7.414	99	196263	80.287	ng	0.00
23) Nitrobenzene-d5	9.441	82	105276	49.045	ng	0.00
42) 2,4,6-Tribromophenol	16.369	330	98869	70.716	ng	0.00
45) 2-Fluorobiphenyl	13.507	172	388251	51.184	ng	0.00
79) Terphenyl-d14	20.199	244	702672	52.559	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.403	77	65	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.436	70	13274	9.423 ng	#	74
51) 2,6-Dinitrotoluene	14.882	165	13953	7.520 ng	#	37
52) Acenaphthene	14.947	154	16224	2.820 ng		96
55) Dibenzofuran	15.282	168	21495	2.084 ng		98
56) 4-Nitrophenol	15.276	139	6891	5.607 ng	#	12
57) 2,4-Dinitrotoluene	14.882	165	13953	5.339 ng	#	37
58) Fluorene	15.922	166	23195	2.826 ng		98
63) Azobenzene	16.222	77	11820	2.150 ng	#	1
67) 4-Bromophenyl-phenylether	16.369	248	8033	2.445 ng	#	1
71) Phenanthrene	17.667	178	166354	12.383 ng		97
72) Anthracene	17.755	178	32405	2.350 ng		97
75) Fluoranthene	19.659	202	267606	15.783 ng		100
78) Pyrene	20.023	202	216387	12.957 ng		99
81) Benzo(a)anthracene	21.892	228	99697	6.073 ng		97
83) Chrysene	21.962	228	93611	6.070 ng		98
87) Indeno(1,2,3-cd)pyrene	29.265	276	56604	3.026 ng	#	77
88) Benzo(b)fluoranthene	24.236	252	120258	7.583 ng		98
89) Benzo(k)fluoranthene	24.236	252	120258	7.510 ng		99
90) Benzo(a)pyrene	25.170	252	78984	5.056 ng		98
92) Benzo(g,h,i)perylene	30.487	276	52524	3.467 ng		97

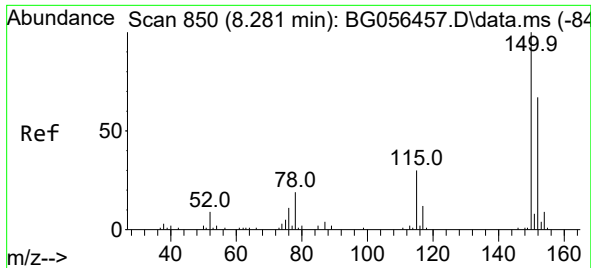
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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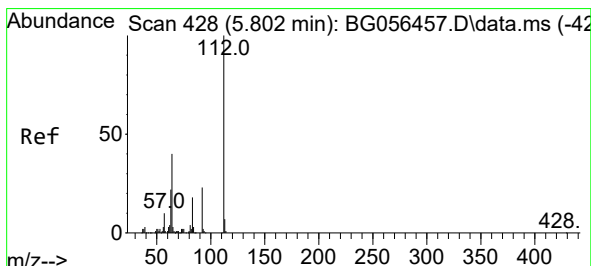
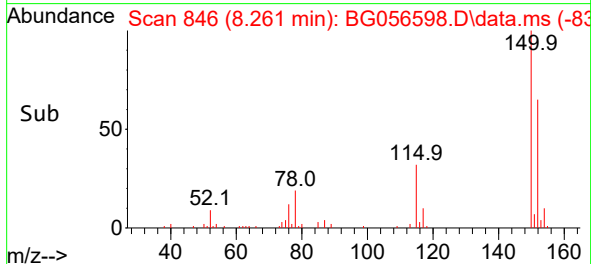
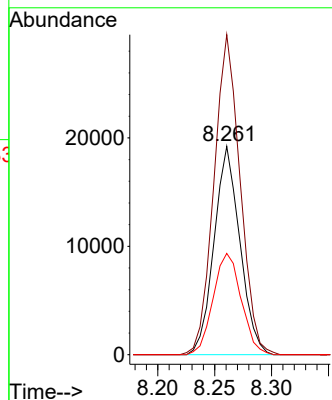
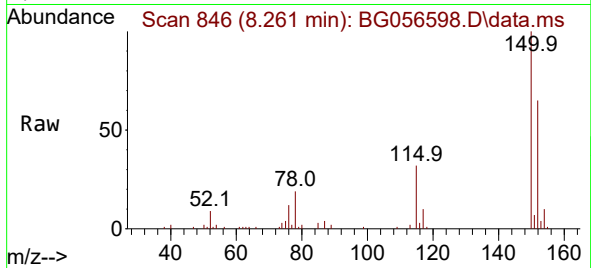




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.261 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

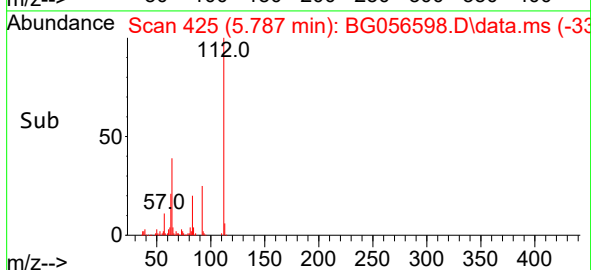
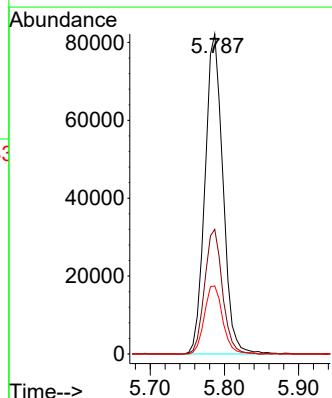
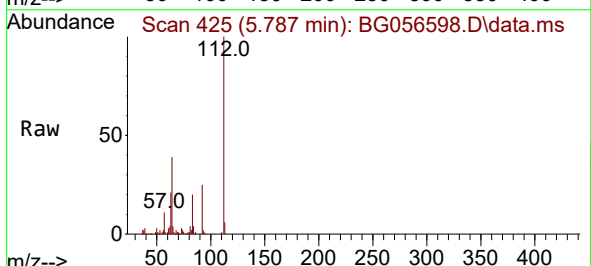
Instrument :
BNA_G
ClientSampleId :
ETGI-330

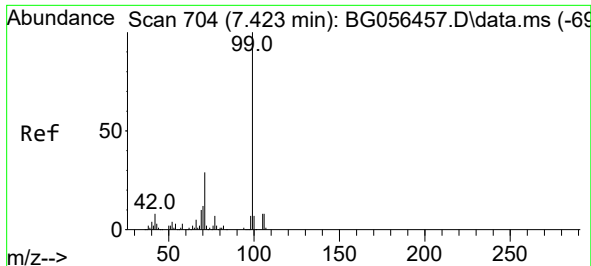
Tgt Ion:152 Resp: 30350
Ion Ratio Lower Upper
152 100
150 153.6 120.2 180.4
115 48.6 36.3 54.5



#5
2-Fluorophenol
Concen: 83.639 ng
RT: 5.787 min Scan# 425
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:112 Resp: 137991
Ion Ratio Lower Upper
112 100
64 39.0 31.9 47.9
63 21.2 17.4 26.0

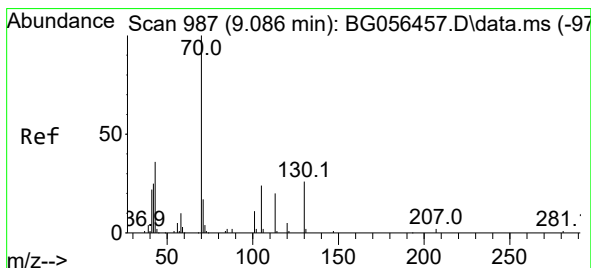
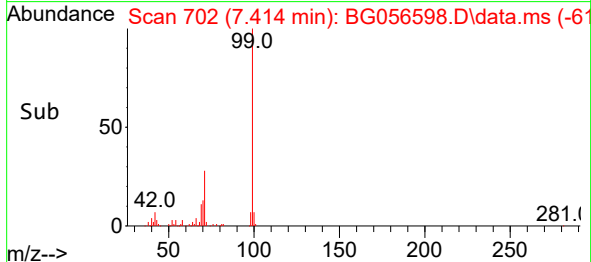
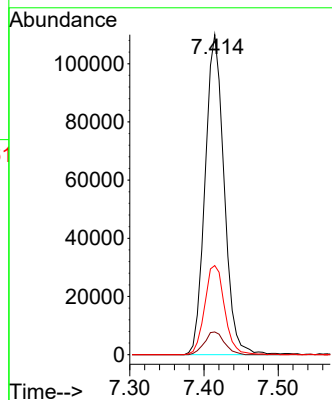
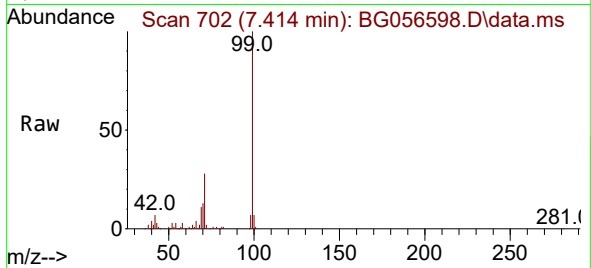




#7
Phenol-d6
Concen: 80.287 ng
RT: 7.414 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

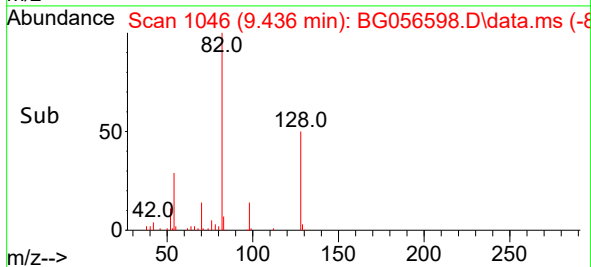
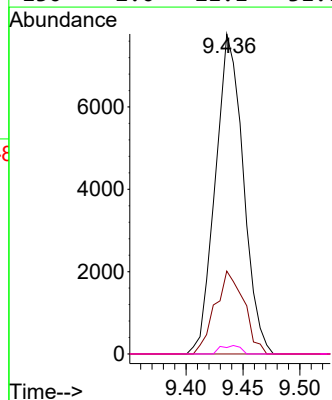
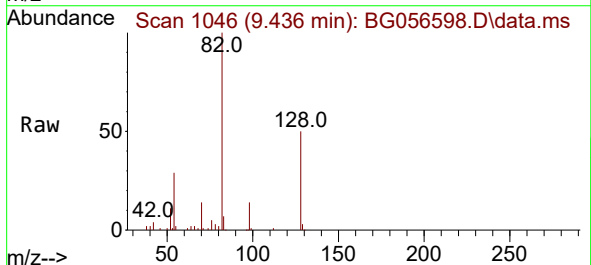
Instrument :
BNA_G
ClientSampleId :
ETGI-330

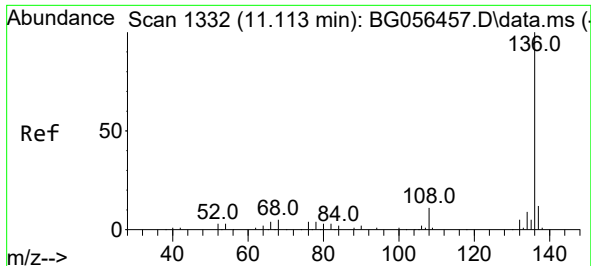
Tgt Ion: 99 Resp: 196263
Ion Ratio Lower Upper
99 100
42 7.1 6.6 10.0
71 27.9 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.423 ng
RT: 9.436 min Scan# 1046
Delta R.T. 0.361 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

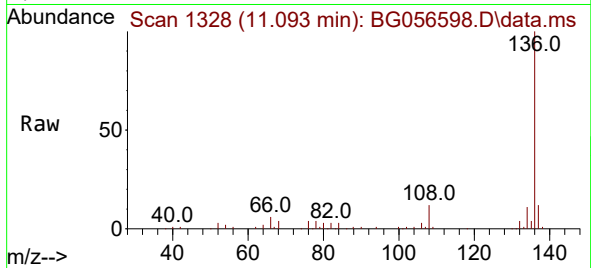
Tgt Ion: 70 Resp: 13274
Ion Ratio Lower Upper
70 100
42 25.9 20.2 30.4
101 0.0 9.1 13.7#
130 2.0 21.1 31.7#



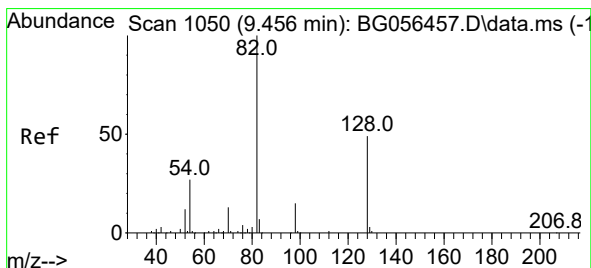
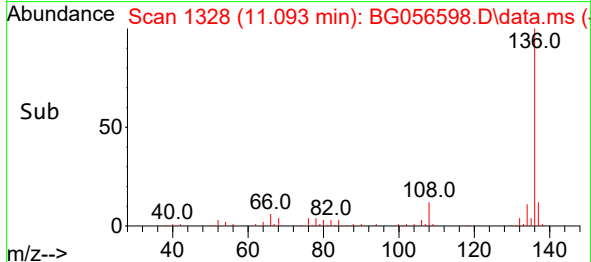
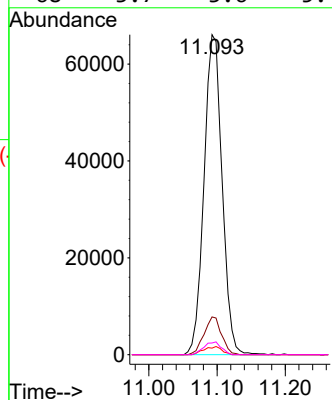


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Instrument :
BNA_G
ClientSampleId :
ETGI-330

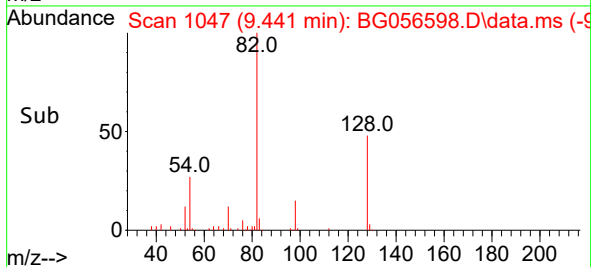
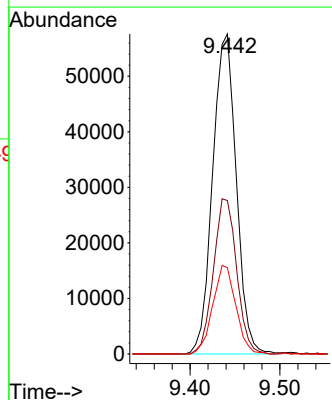
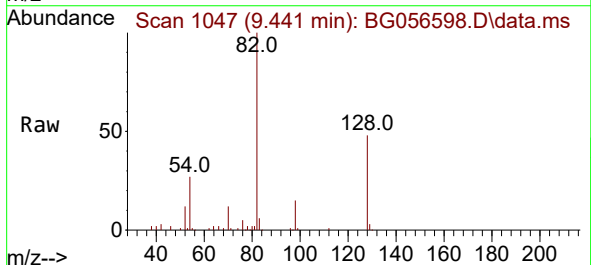


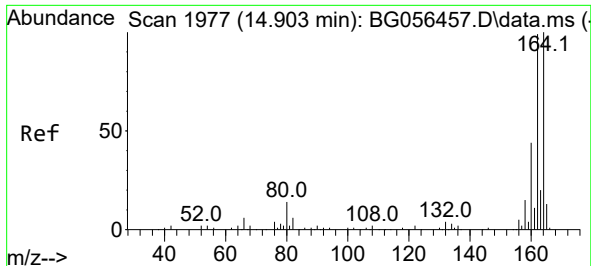
Tgt Ion:136 Resp: 121891
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 2.1 2.2 3.4#
68 3.7 3.6 5.4



#23
Nitrobenzene-d5
Concen: 49.045 ng
RT: 9.441 min Scan# 1047
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion: 82 Resp: 105276
Ion Ratio Lower Upper
82 100
128 47.9 39.4 59.2
54 27.0 21.4 32.2

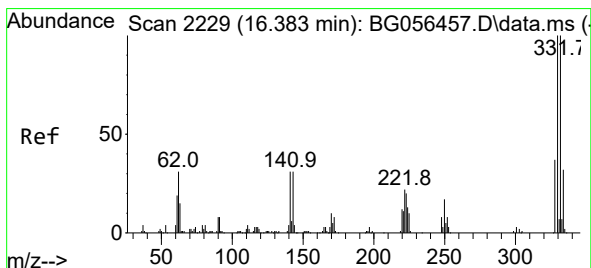
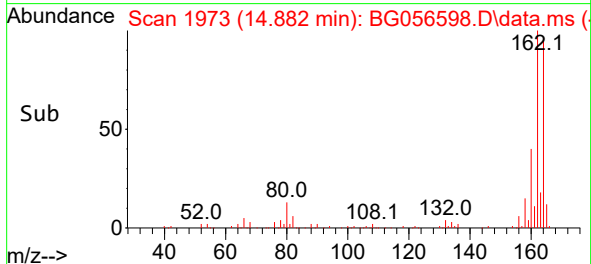
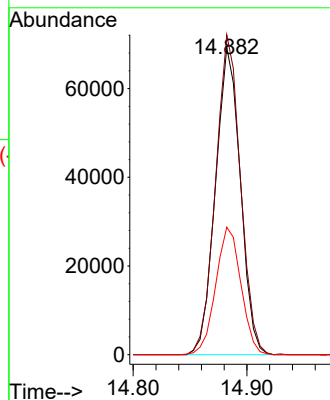
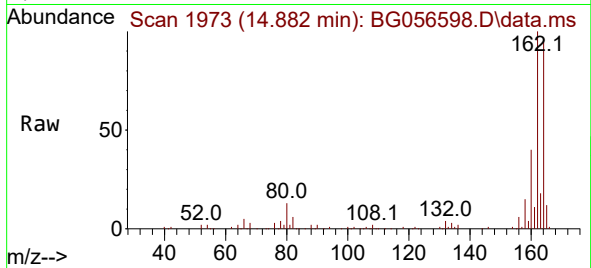




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.882 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

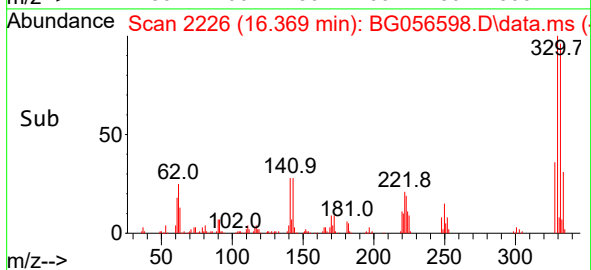
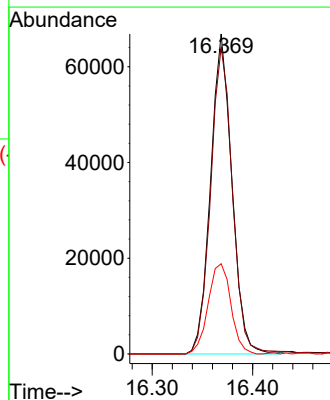
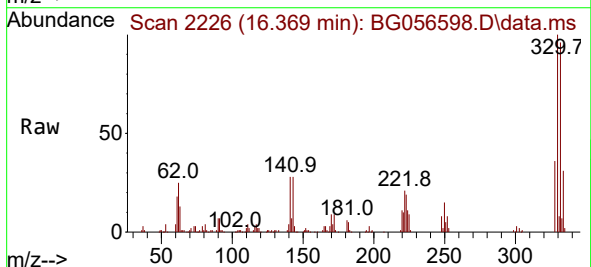
Instrument :
BNA_G
ClientSampleId :
ETGI-330

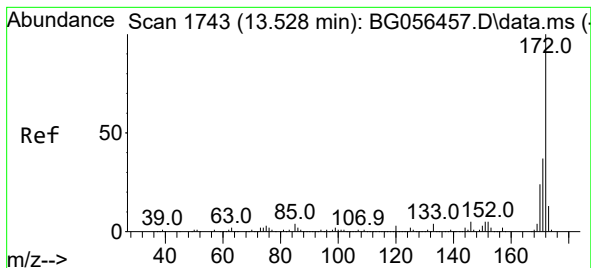
Tgt Ion:164 Resp: 105165
Ion Ratio Lower Upper
164 100
162 104.1 79.6 119.4
160 41.5 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 70.716 ng
RT: 16.369 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:330 Resp: 98869
Ion Ratio Lower Upper
330 100
332 98.3 79.0 118.6
141 30.0 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 51.184 ng

RT: 13.507 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

ETGI-330

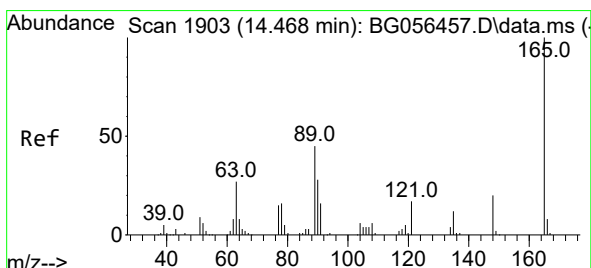
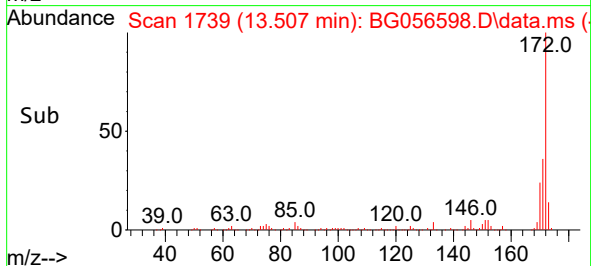
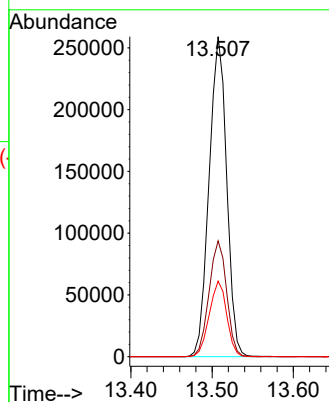
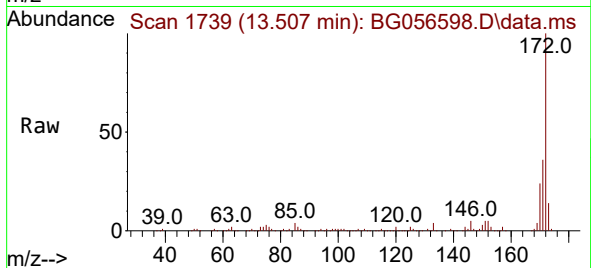
Tgt Ion:172 Resp: 388251

Ion Ratio Lower Upper

172 100

171 36.2 29.5 44.3

170 23.6 19.2 28.8



#51

2,6-Dinitrotoluene

Concen: 7.520 ng

RT: 14.882 min Scan# 1973

Delta R.T. 0.420 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

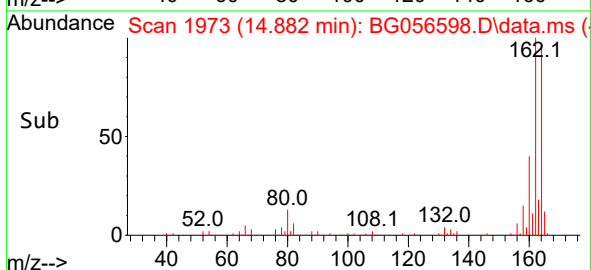
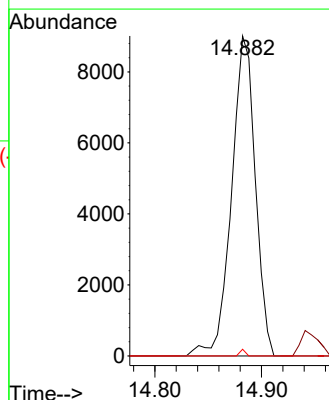
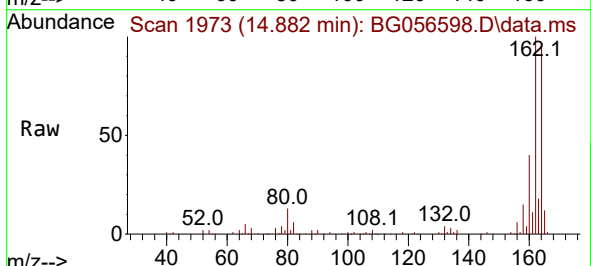
Tgt Ion:165 Resp: 13953

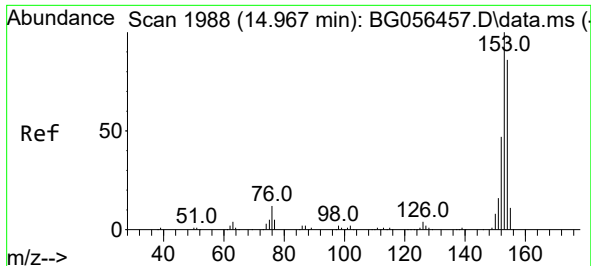
Ion Ratio Lower Upper

165 100

63 0.0 26.9 40.3#

89 2.1 35.6 53.4#

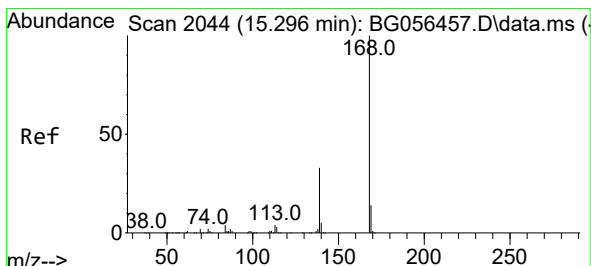
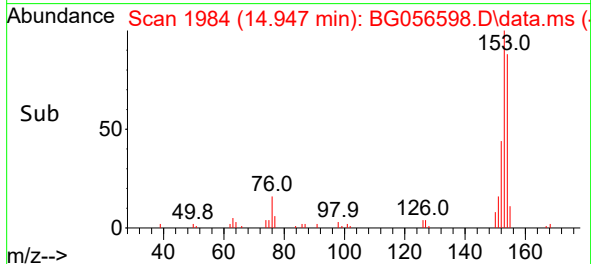
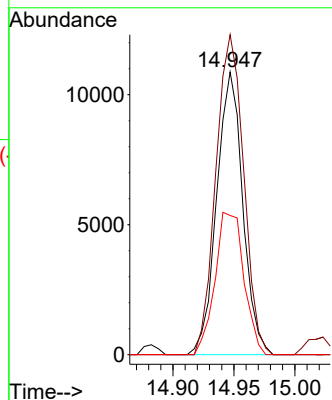
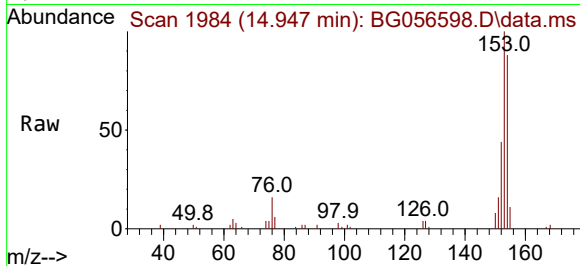




#52
Acenaphthene
Concen: 2.820 ng
RT: 14.947 min Scan# 1984
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

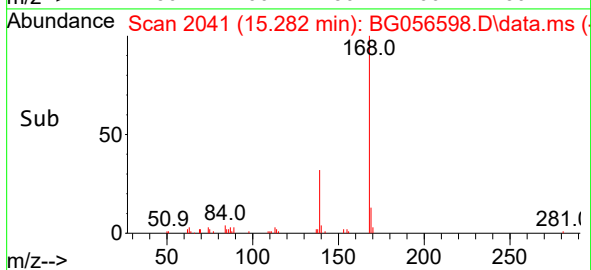
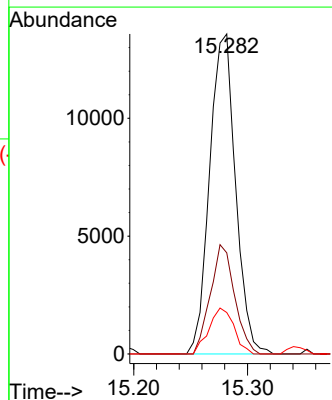
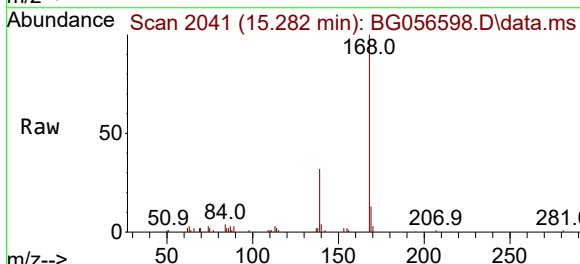
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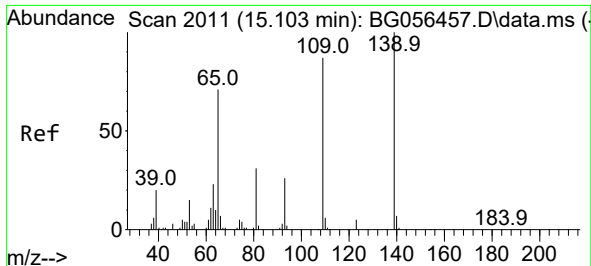
Tgt Ion:154 Resp: 16224
Ion Ratio Lower Upper
154 100
153 113.2 93.4 140.0
152 49.2 43.4 65.2



#55
Dibenzofuran
Concen: 2.084 ng
RT: 15.282 min Scan# 2041
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:168 Resp: 21495
Ion Ratio Lower Upper
168 100
139 31.6 26.2 39.2
169 13.0 11.0 16.6

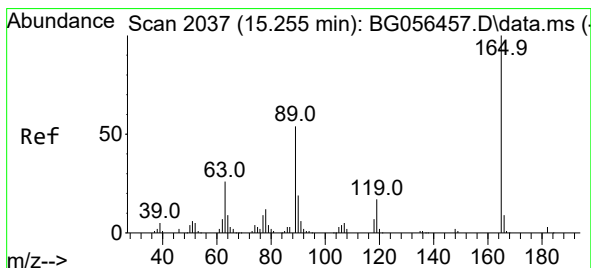
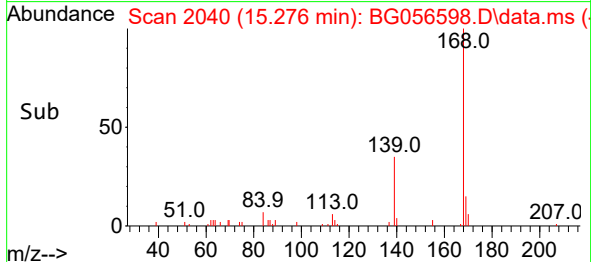
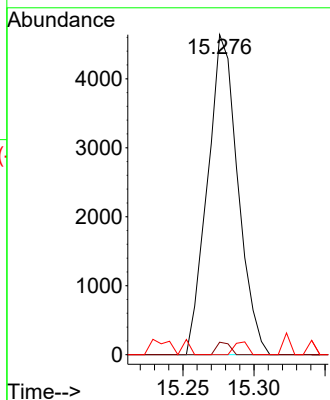
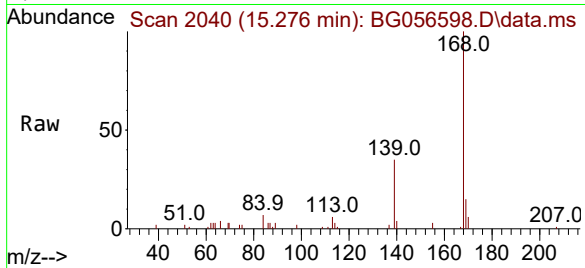




#56
4-Nitrophenol
Concen: 5.607 ng
RT: 15.276 min Scan# 2011
Delta R.T. 0.173 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

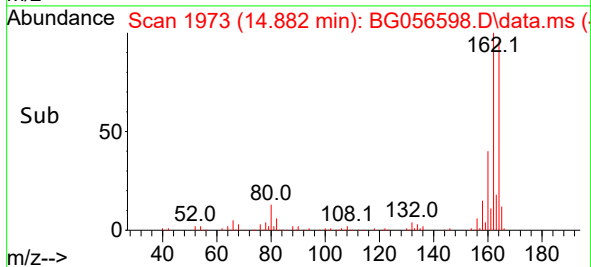
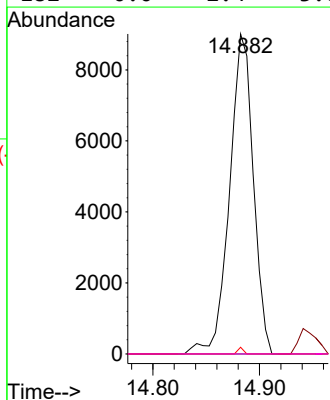
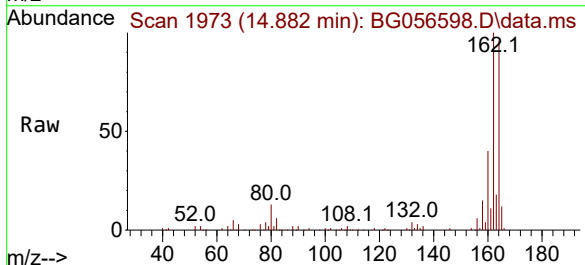
Instrument :
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ETGI-330

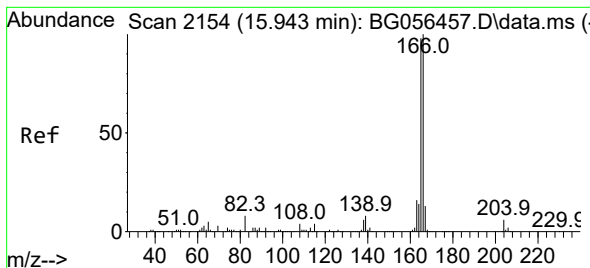
Tgt Ion:139 Resp: 6891
Ion Ratio Lower Upper
139 100
109 3.9 67.5 107.5#
65 0.0 50.7 90.7#



#57
2,4-Dinitrotoluene
Concen: 5.339 ng
RT: 14.882 min Scan# 1973
Delta R.T. -0.367 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:165 Resp: 13953
Ion Ratio Lower Upper
165 100
63 0.0 20.6 31.0#
89 2.1 43.1 64.7#
182 0.0 2.4 3.6#





#58

Fluorene

Concen: 2.826 ng

RT: 15.922 min Scan# 2154

Delta R.T. -0.009 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

ETGI-330

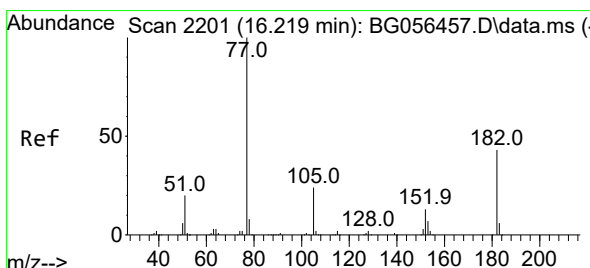
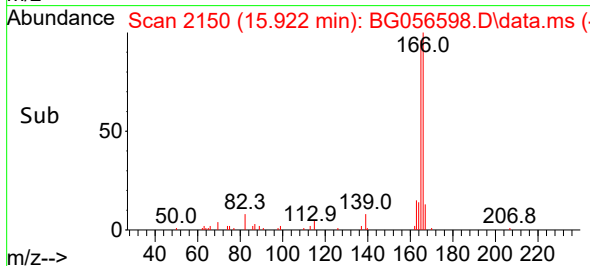
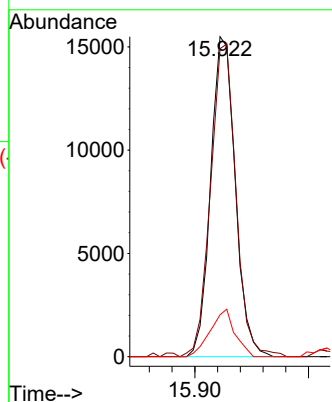
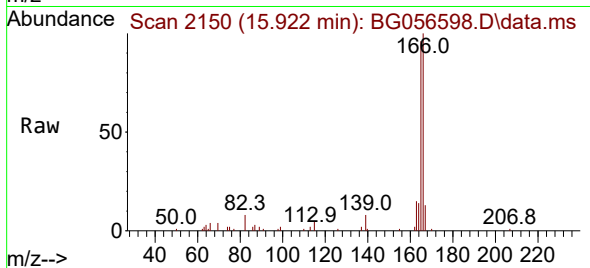
Tgt Ion:166 Resp: 23195

Ion Ratio Lower Upper

166 100

165 96.2 78.8 118.2

167 13.1 10.6 15.8



#63

Azobenzene

Concen: 2.150 ng

RT: 16.222 min Scan# 2201

Delta R.T. 0.015 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Tgt Ion: 77 Resp: 11820

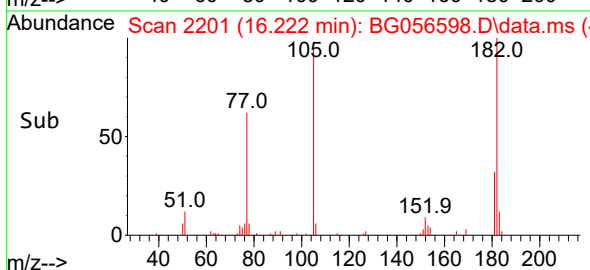
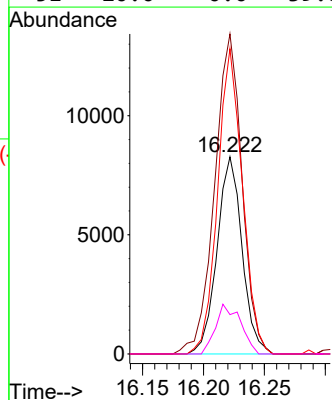
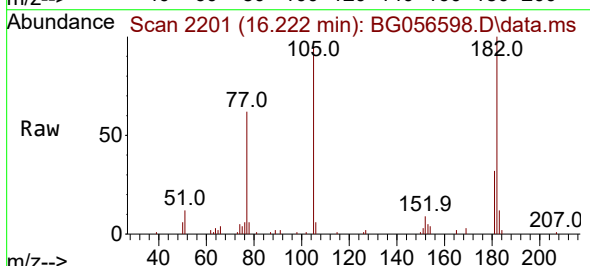
Ion Ratio Lower Upper

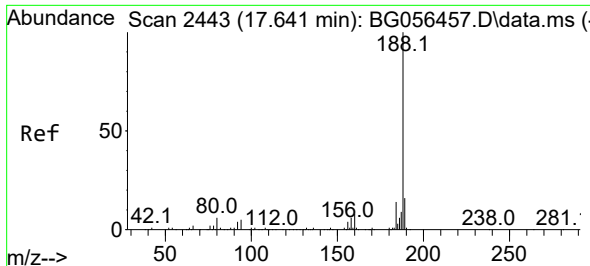
77 100

182 162.3 23.1 63.1#

105 154.8 4.2 44.2#

51 20.0 0.0 39.8

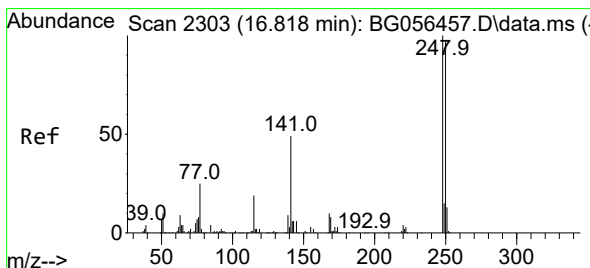
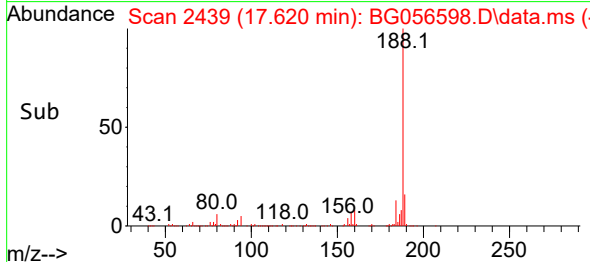
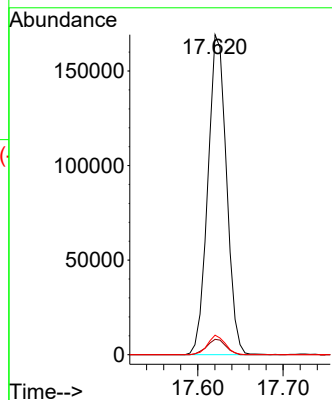
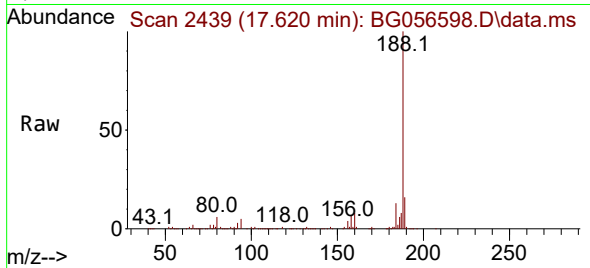




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.620 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

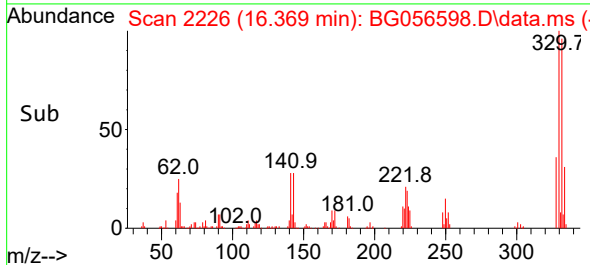
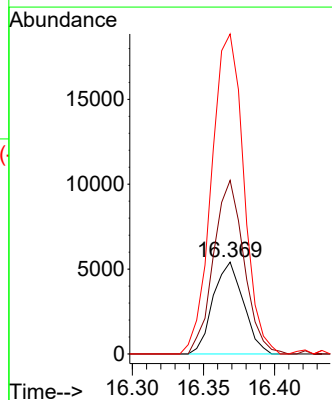
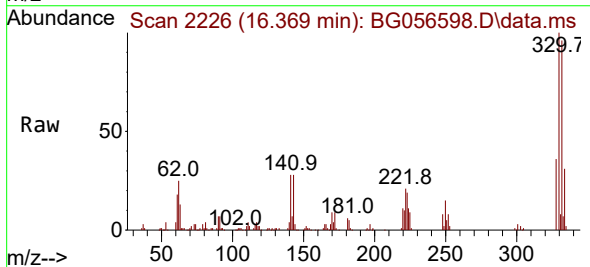
Instrument :
BNA_G
ClientSampleId :
ETGI-330

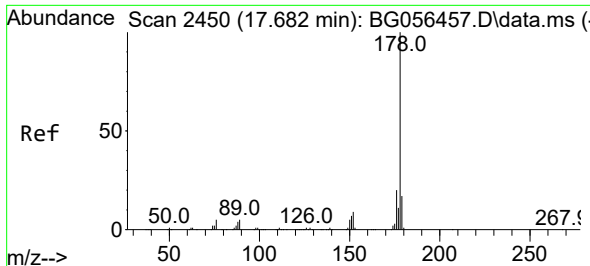
Tgt Ion:188 Resp: 256676
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 6.1 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 2.445 ng
RT: 16.369 min Scan# 2226
Delta R.T. -0.438 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:248 Resp: 8033
Ion Ratio Lower Upper
248 100
250 247.1 77.6 116.4#
141 348.5 39.0 58.4#

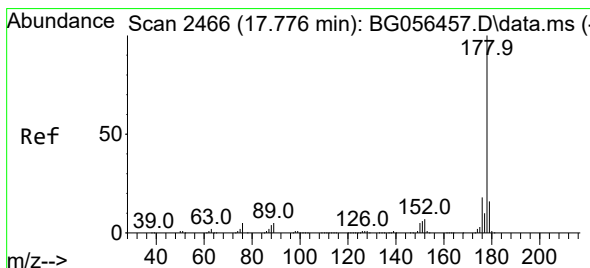
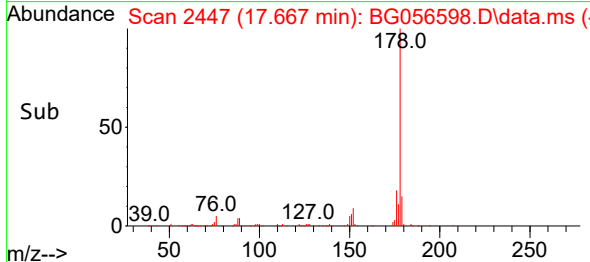
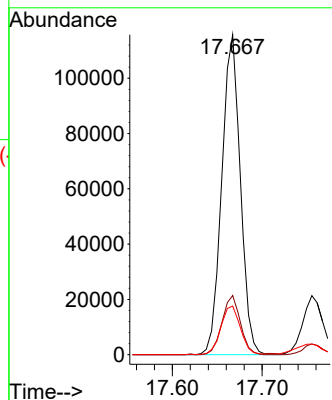
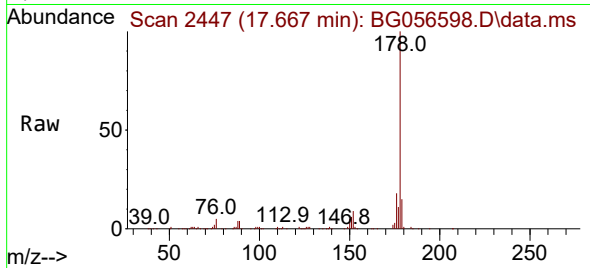




#71
Phenanthrene
Concen: 12.383 ng
RT: 17.667 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

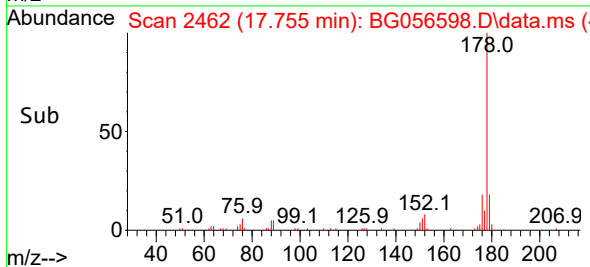
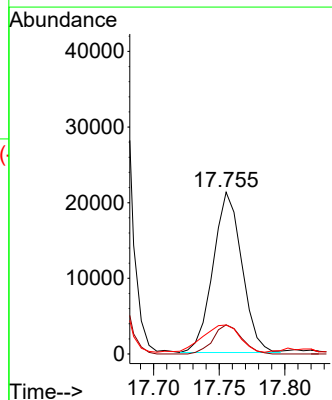
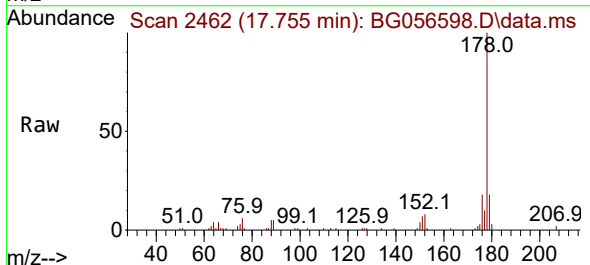
Instrument :
BNA_G
ClientSampleId :
ETGI-330

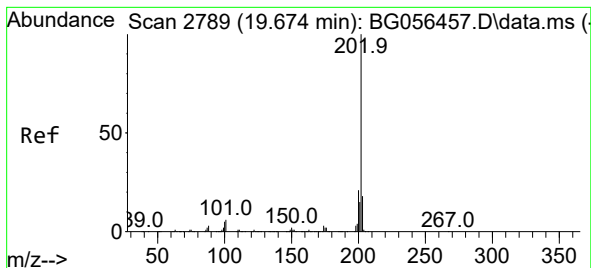
Tgt Ion:178 Resp: 166354
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.2 13.3 19.9



#72
Anthracene
Concen: 2.350 ng
RT: 17.755 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:178 Resp: 32405
Ion Ratio Lower Upper
178 100
176 18.0 14.5 21.7
179 17.9 12.5 18.7





#75

Fluoranthene

Concen: 15.783 ng

RT: 19.659 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

ETGI-330

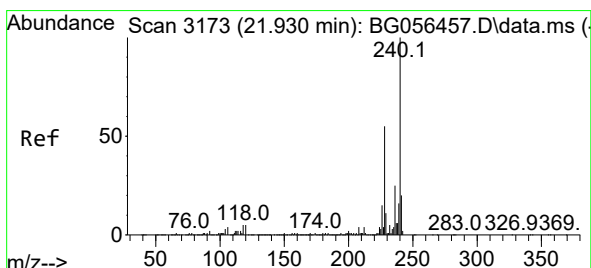
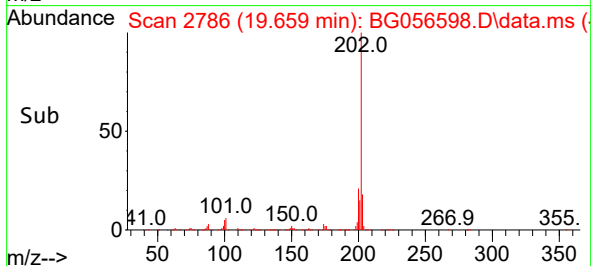
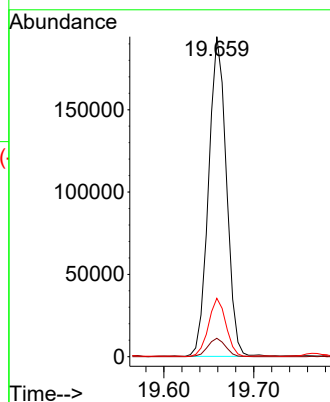
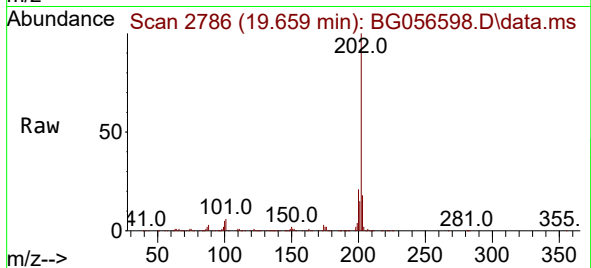
Tgt Ion:202 Resp: 267606

Ion Ratio Lower Upper

202 100

101 5.8 0.0 25.6

203 18.3 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.909 min Scan# 3169

Delta R.T. -0.015 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

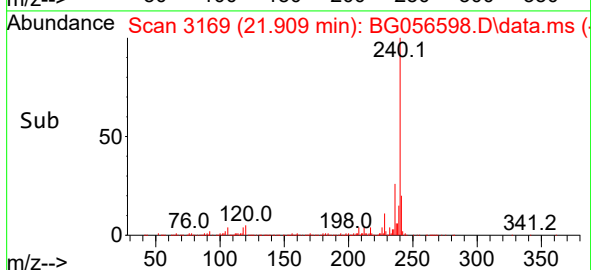
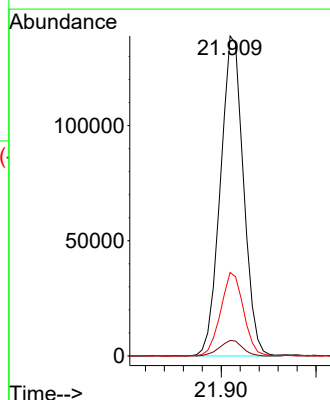
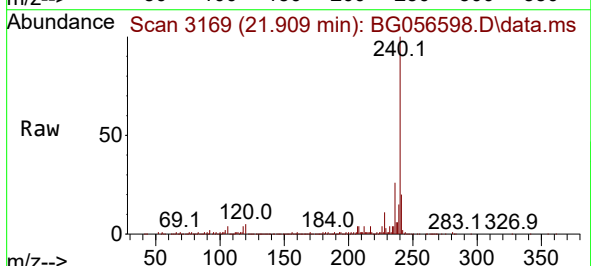
Tgt Ion:240 Resp: 234812

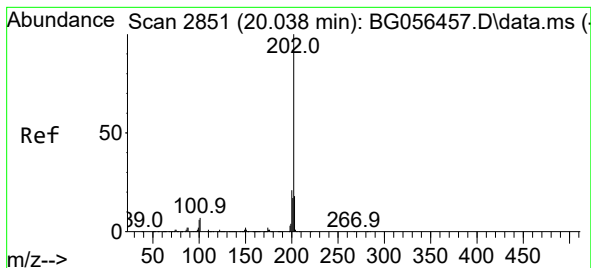
Ion Ratio Lower Upper

240 100

120 4.9 3.8 5.8

236 26.1 20.2 30.2





#78

Pyrene

Concen: 12.957 ng

RT: 20.023 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

ETGI-330

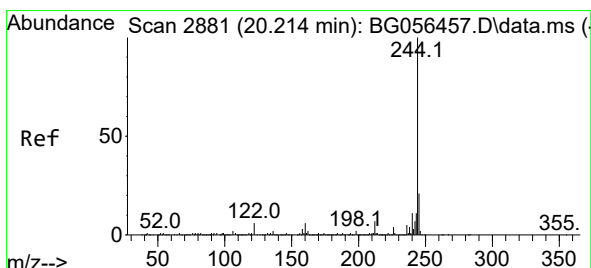
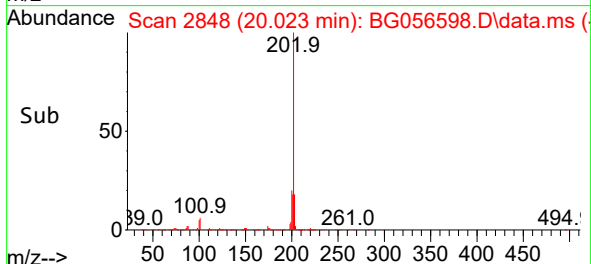
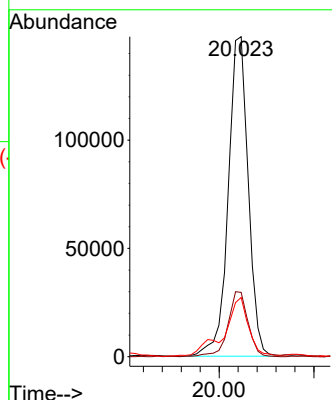
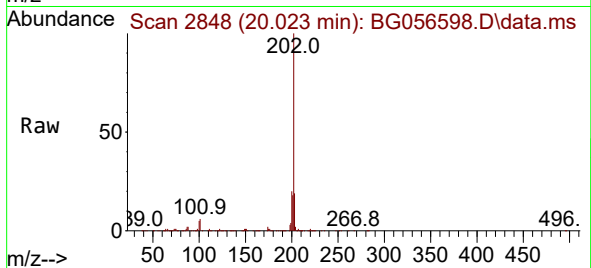
Tgt Ion:202 Resp: 216387

Ion Ratio Lower Upper

202 100

200 20.1 16.7 25.1

203 18.5 14.4 21.6



#79

Terphenyl-d14

Concen: 52.559 ng

RT: 20.199 min Scan# 2878

Delta R.T. -0.009 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

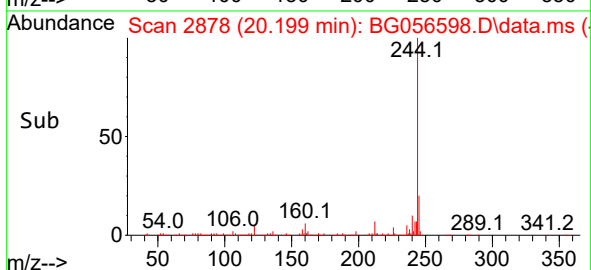
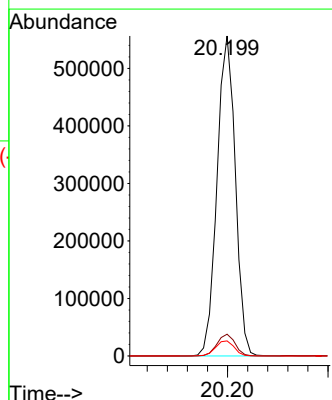
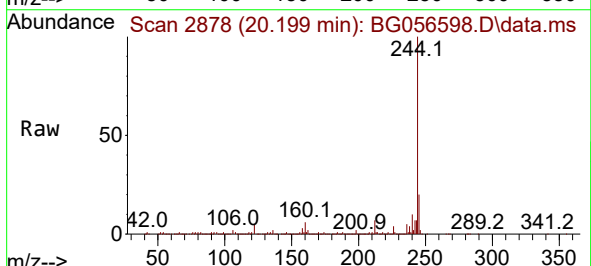
Tgt Ion:244 Resp: 702672

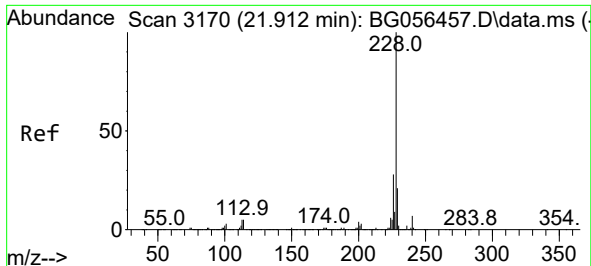
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 4.7 4.4 6.6

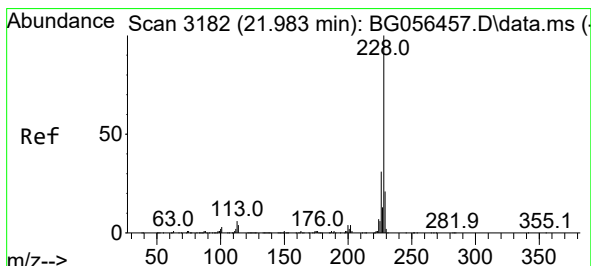
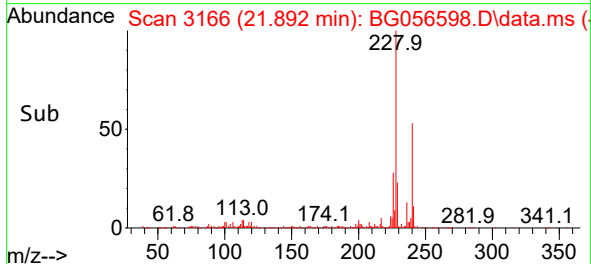
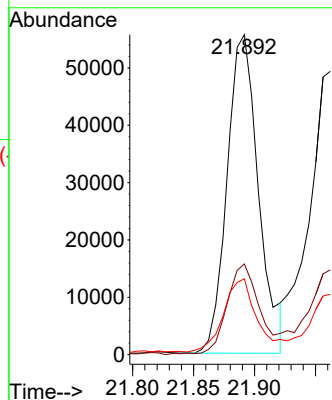
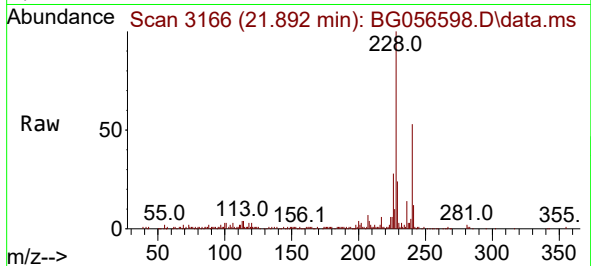




#81
Benzo(a)anthracene
Concen: 6.073 ng
RT: 21.892 min Scan# 3170
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

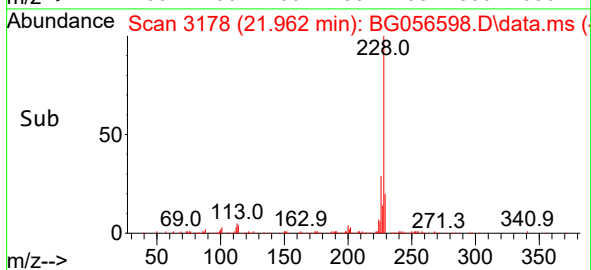
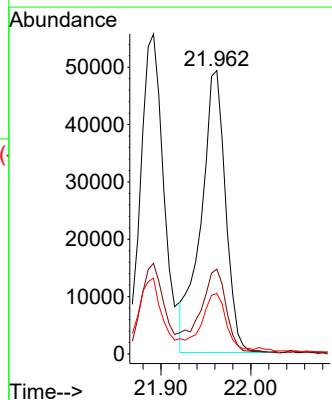
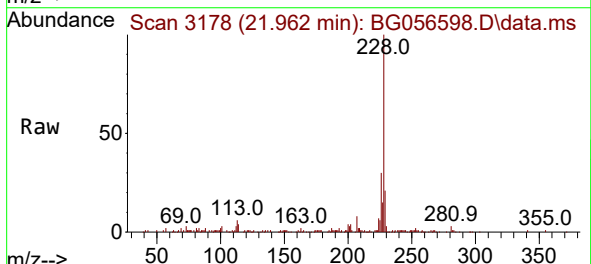
Instrument :
BNA_G
ClientSampleId :
ETGI-330

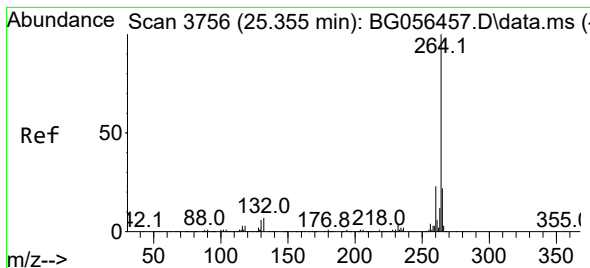
Tgt Ion:228 Resp: 99697
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 23.7 16.5 24.7



#83
Chrysene
Concen: 6.070 ng
RT: 21.962 min Scan# 3178
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:228 Resp: 93611
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.4
229 21.4 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.335 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

ETGI-330

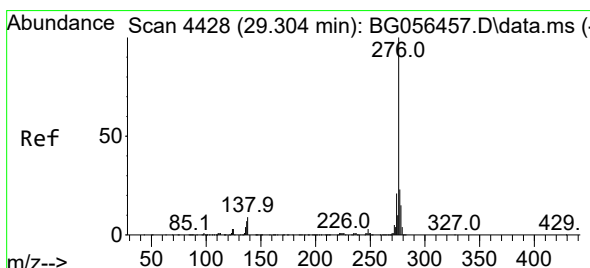
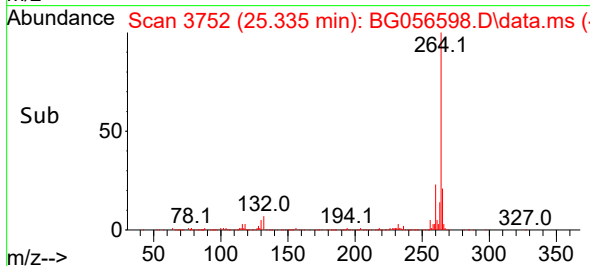
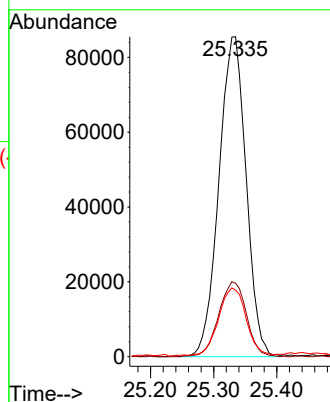
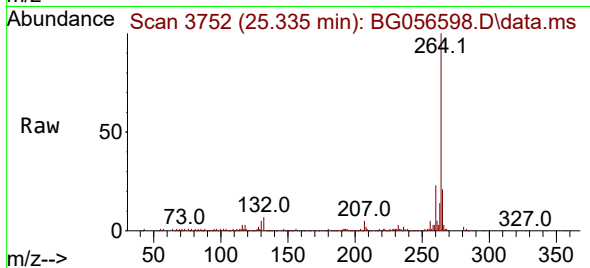
Tgt Ion:264 Resp: 255510

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 20.8 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.026 ng

RT: 29.265 min Scan# 4421

Delta R.T. -0.021 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

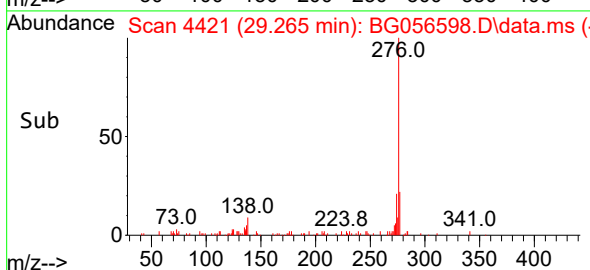
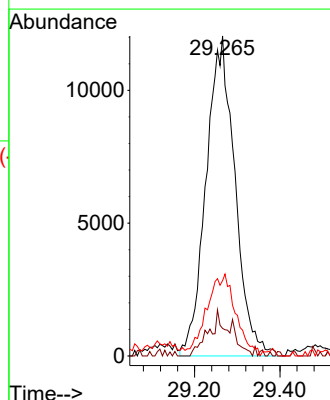
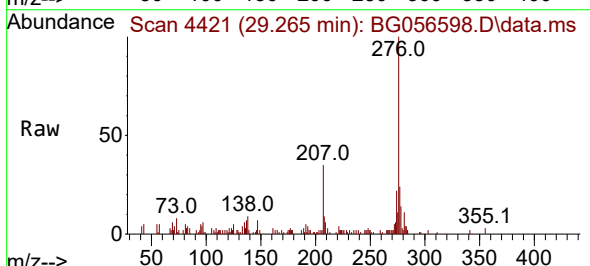
Tgt Ion:276 Resp: 56604

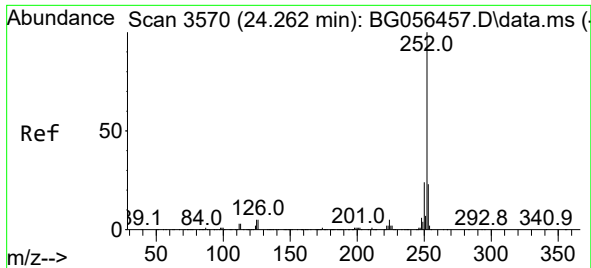
Ion Ratio Lower Upper

276 100

138 7.6 9.4 14.2#

277 11.2 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 7.583 ng

RT: 24.236 min Scan# 3565

Delta R.T. -0.015 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

ETGI-330

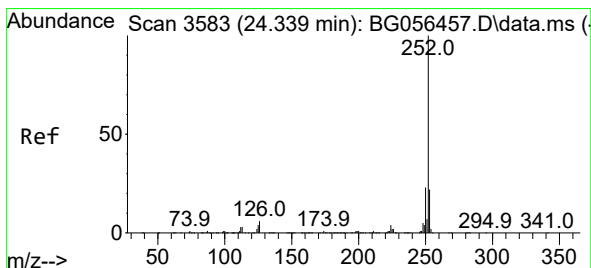
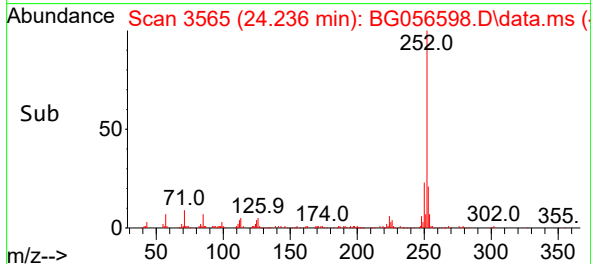
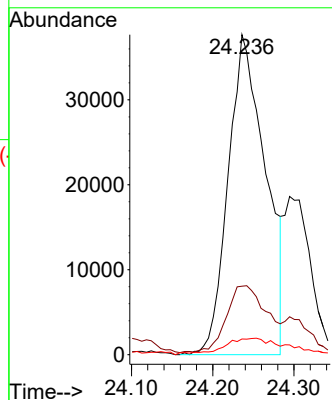
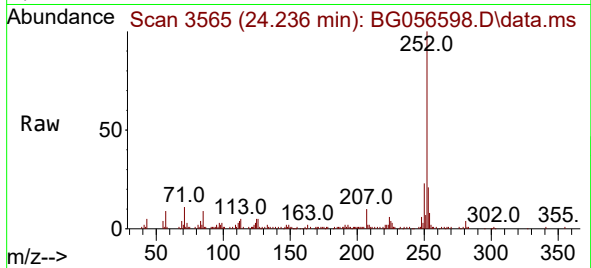
Tgt Ion:252 Resp: 120258

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

125 4.9 3.9 5.9



#89

Benzo(k)fluoranthene

Concen: 7.510 ng

RT: 24.236 min Scan# 3565

Delta R.T. -0.085 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

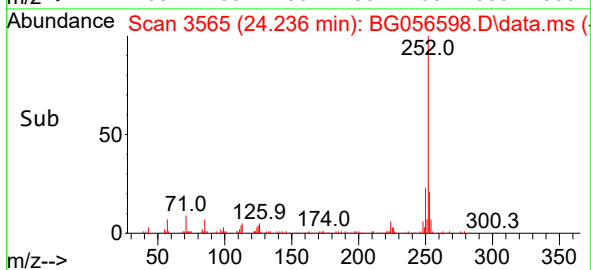
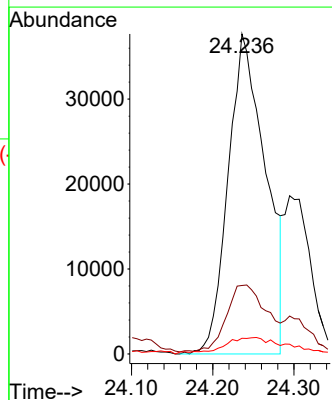
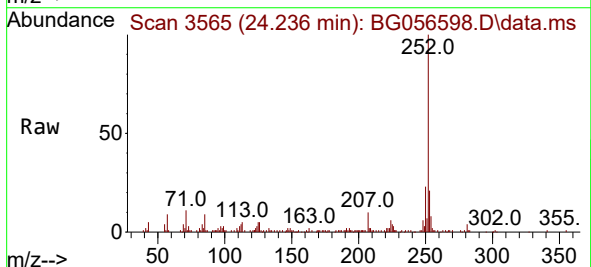
Tgt Ion:252 Resp: 120258

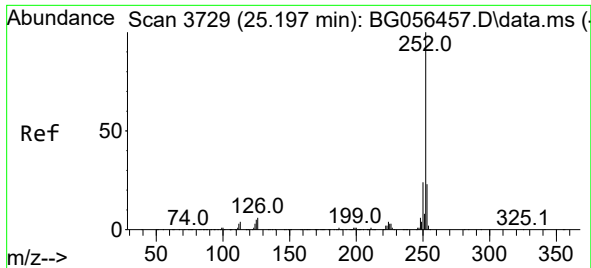
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 4.9 3.4 5.0

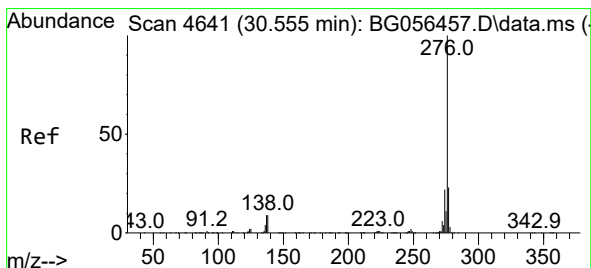
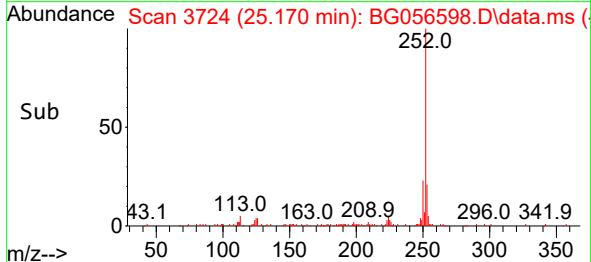
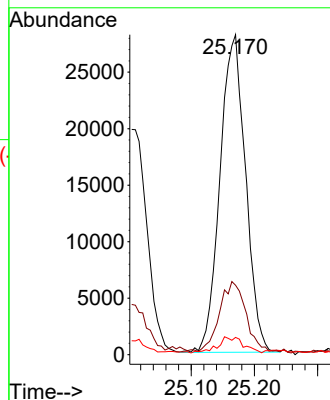
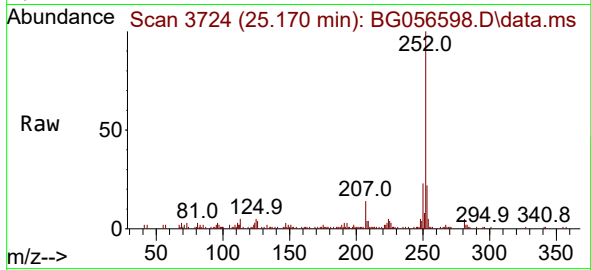




#90
Benzo(a)pyrene
Concen: 5.056 ng
RT: 25.170 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Instrument :
BNA_G
ClientSampleId :
ETGI-330

Tgt Ion:252 Resp: 78984
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 5.4 4.1 6.1



#92
Benzo(g,h,i)perylene
Concen: 3.467 ng
RT: 30.487 min Scan# 4629
Delta R.T. -0.038 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:276 Resp: 52524
Ion Ratio Lower Upper
276 100
277 24.4 18.5 27.7
138 10.6 7.4 11.0

