

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057506.D
 Acq On : 22 May 2023 23:28
 Operator : CG/JU
 Sample : 02864-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-359

Quant Time: May 23 04:08:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

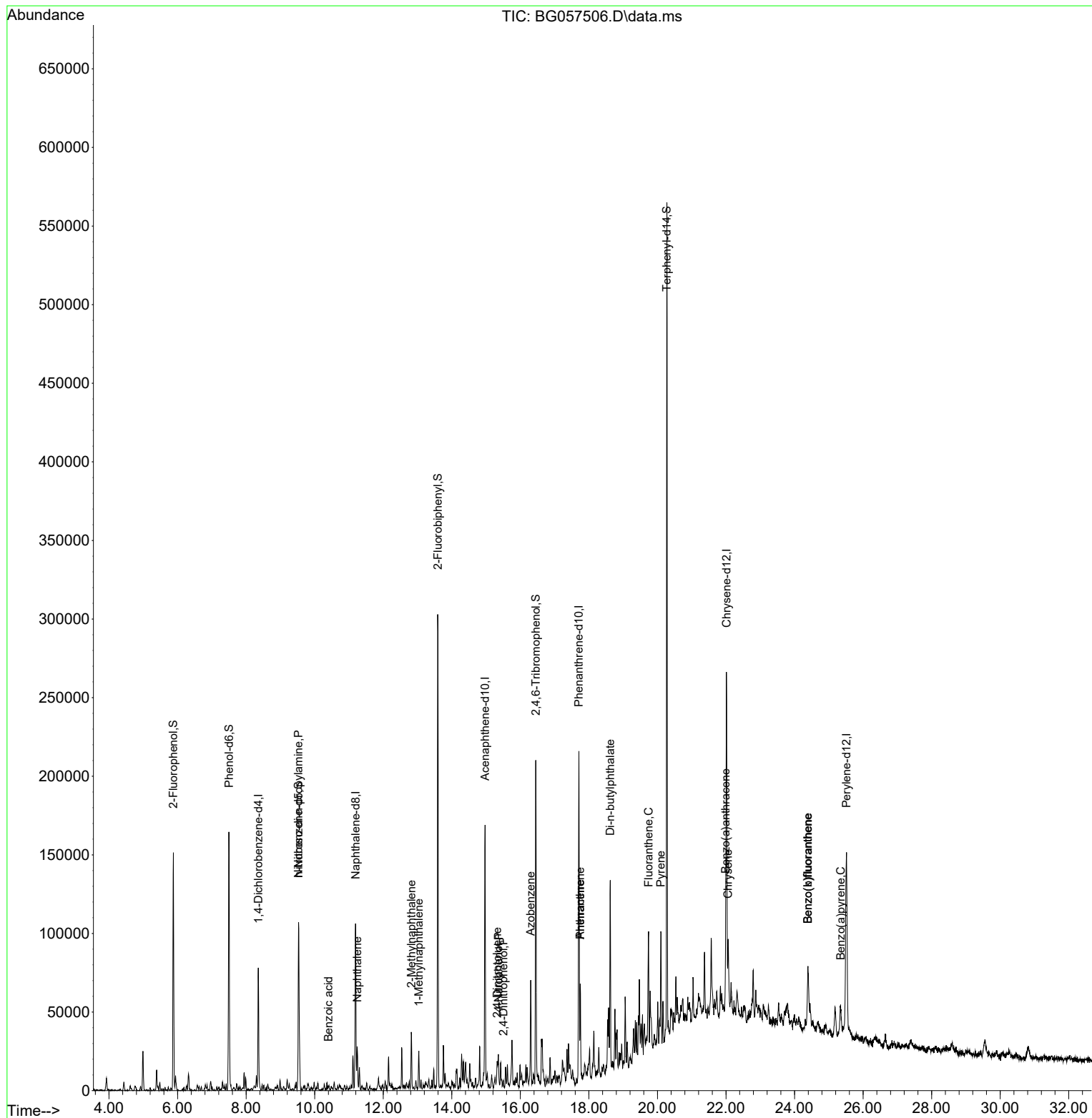
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	22712	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	87244	20.000	ng	# 0.00
39) Acenaphthene-d10	14.970	164	61314	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	139241	20.000	ng	0.00
76) Chrysene-d12	22.013	240	130624	20.000	ng	0.00
86) Perylene-d12	25.514	264	143074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	67662	50.961	ng	0.00
7) Phenol-d6	7.497	99	100795	49.993	ng	0.00
23) Nitrobenzene-d5	9.530	82	69894	33.624	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	41672	47.900	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	161620	35.501	ng	-0.01
79) Terphenyl-d14	20.274	244	265430	33.161	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.480	77	1425	Below Cal	#	68
19) n-Nitroso-di-n-propyla...	9.530	70	10701	6.961 ng	#	79
31) Naphthalene	11.239	128	21527	4.615 ng	#	93
32) Benzoic acid	10.399	122	67	4.791 ng	#	1
37) 2-Methylnaphthalene	12.820	142	17660	4.816 ng		97
38) 1-Methylnaphthalene	13.037	142	11587	3.352 ng		94
54) 2,4-Dinitrophenol	15.504	184	70	5.020 ng	#	18
56) 4-Nitrophenol	15.363	139	3094	4.514 ng	#	1
57) 2,4-Dinitrotoluene	15.328	165	4622	3.144 ng	#	89
63) Azobenzene	16.303	77	17364	3.517 ng	#	1
71) Phenanthrene	17.748	178	40022	5.609 ng		97
72) Anthracene	17.748	178	40022	5.467 ng		97
74) Di-n-butylphthalate	18.623	149	44501	6.275 ng	#	97
75) Fluoranthene	19.740	202	46874	5.282 ng		96
78) Pyrene	20.098	202	41126	4.333 ng		95
81) Benzo(a)anthracene	21.989	228	25786	2.771 ng	#	95
83) Chrysene	22.060	228	40432	4.617 ng		96
88) Benzo(b)fluoranthene	24.386	252	36486	3.901 ng	#	91
89) Benzo(k)fluoranthene	24.386	252	36486	3.839 ng	#	92
90) Benzo(a)pyrene	25.344	252	22101	2.419 ng	#	94

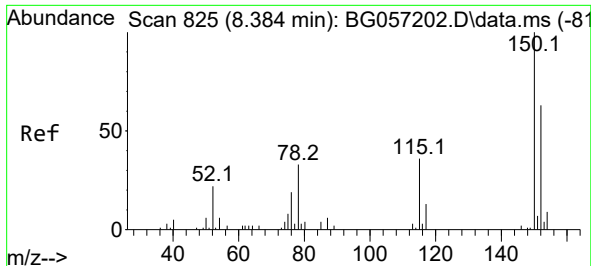
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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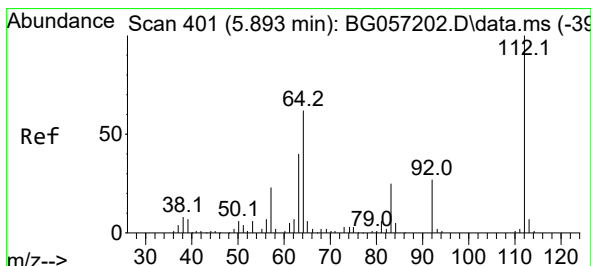
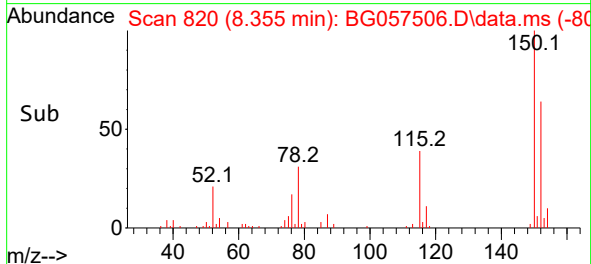
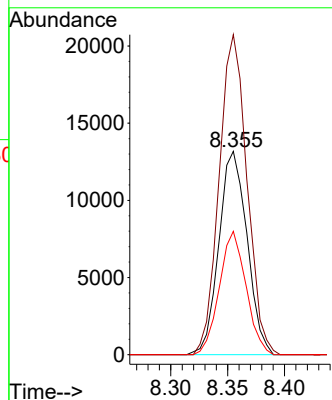
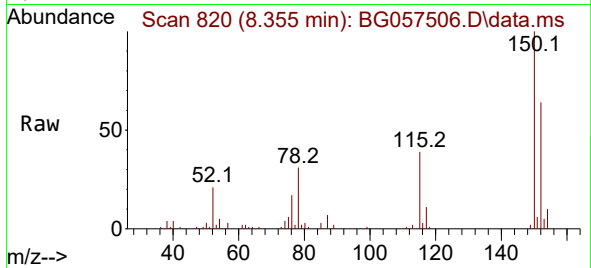




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

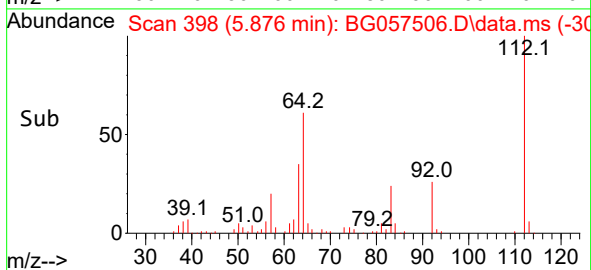
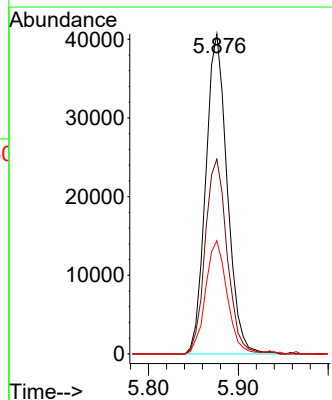
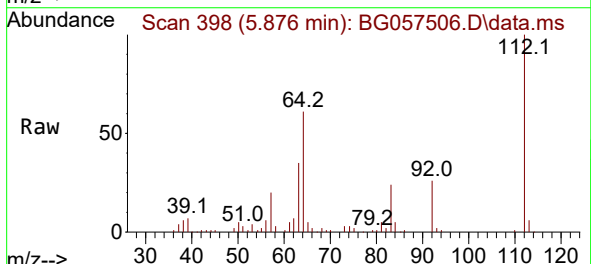
Instrument :
BNA_G
ClientSampleId :
ETGI-359

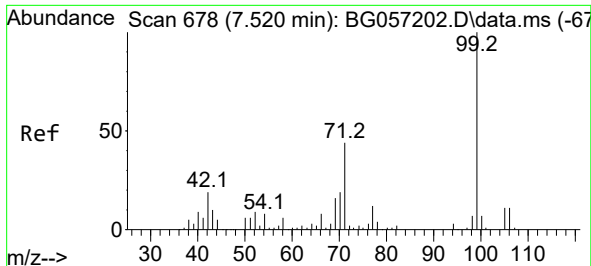
Tgt Ion:152 Resp: 22712
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 60.7 45.0 67.4



#5
2-Fluorophenol
Concen: 50.961 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:112 Resp: 67662
Ion Ratio Lower Upper
112 100
64 60.9 49.4 74.2
63 35.4 31.6 47.4

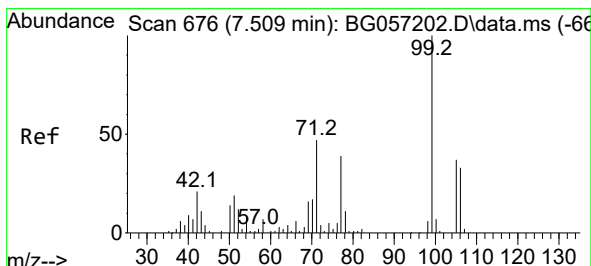
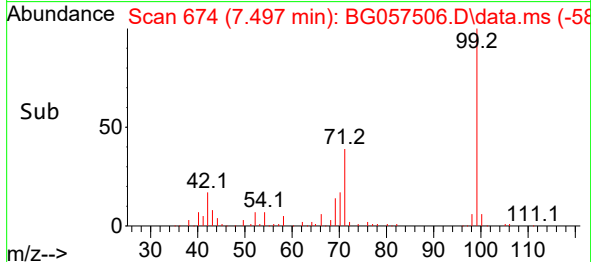
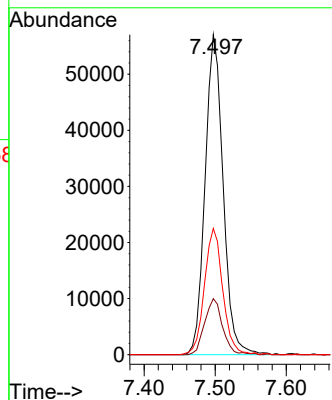
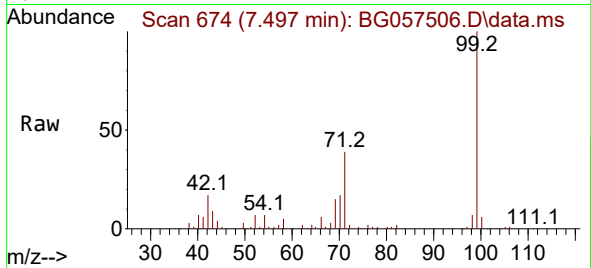




#7
Phenol-d6
Concen: 49.993 ng
RT: 7.497 min Scan# 611
Delta R.T. -0.001 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

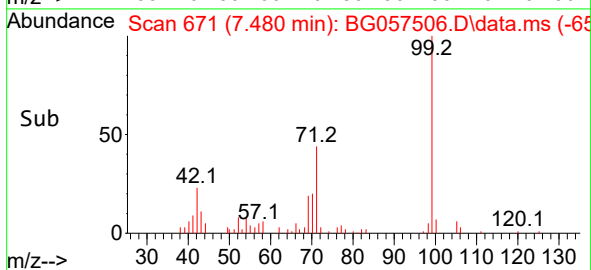
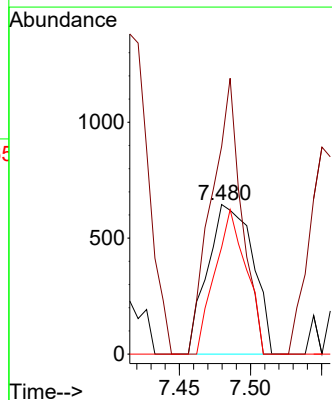
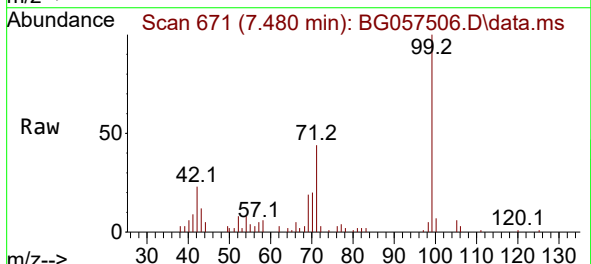
Instrument :
BNA_G
ClientSampleId :
ETGI-359

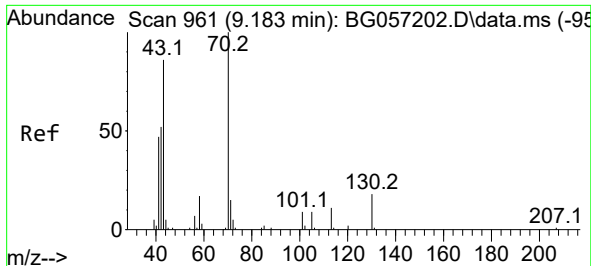
Tgt Ion: 99 Resp: 100795
Ion Ratio Lower Upper
99 100
42 17.5 15.1 22.7
71 39.4 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.480 min Scan# 671
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion: 77 Resp: 1425
Ion Ratio Lower Upper
77 100
105 138.9 74.6 114.6#
106 71.5 66.3 106.3

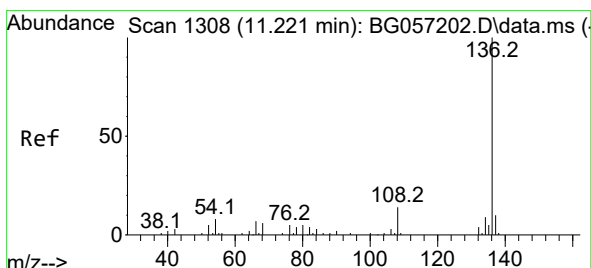
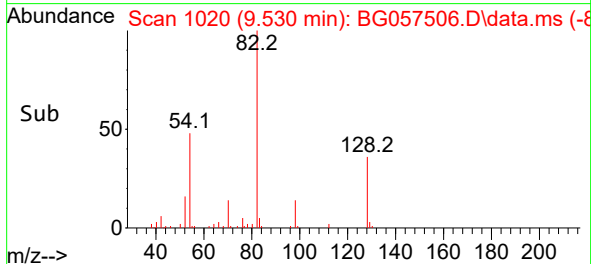
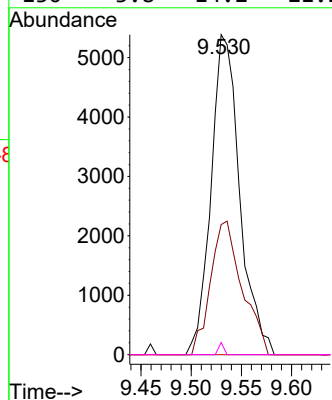
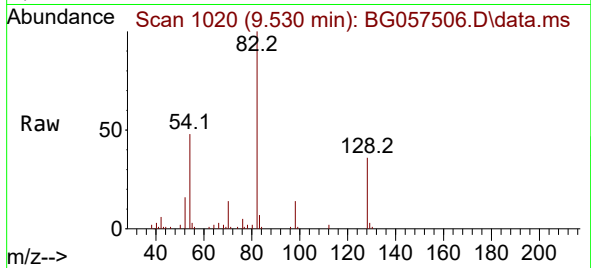




#19
n-Nitroso-di-n-propylamine
Concen: 6.961 ng
RT: 9.530 min Scan# 10701
Delta R.T. 0.369 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

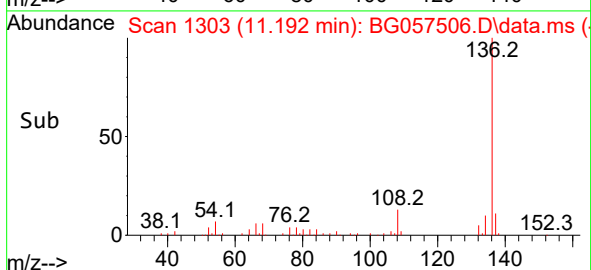
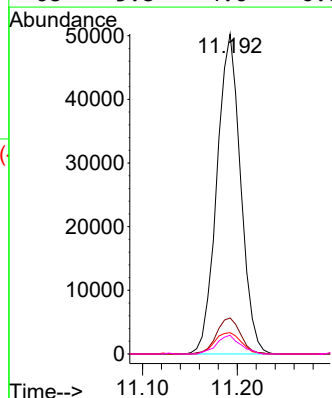
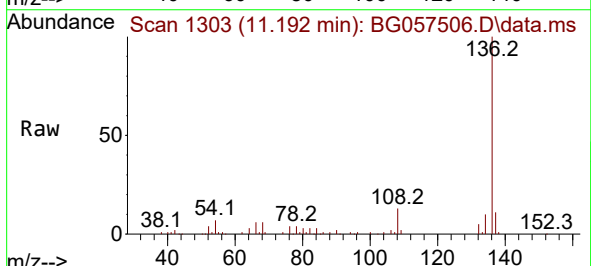
Instrument :
BNA_G
ClientSampleId :
ETGI-359

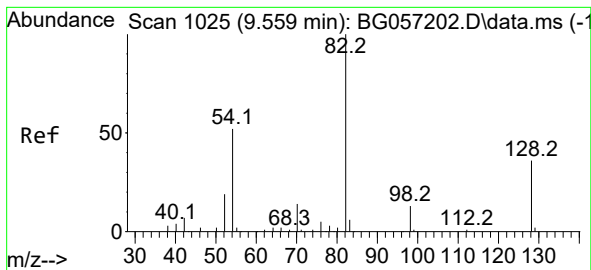
Tgt Ion: 70 Resp: 10701
Ion Ratio Lower Upper
70 100
42 40.6 41.8 62.8#
101 0.0 6.8 10.2#
130 3.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion: 136 Resp: 87244
Ion Ratio Lower Upper
136 100
137 11.3 8.3 12.5
54 6.7 6.7 10.1#
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 33.624 ng

RT: 9.530 min Scan# 1020

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

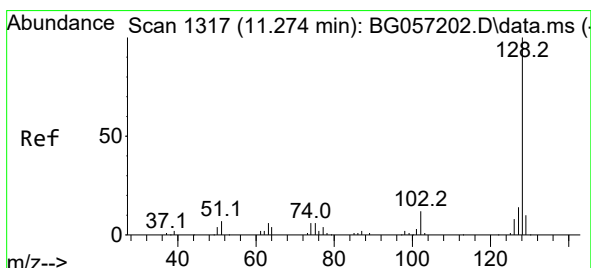
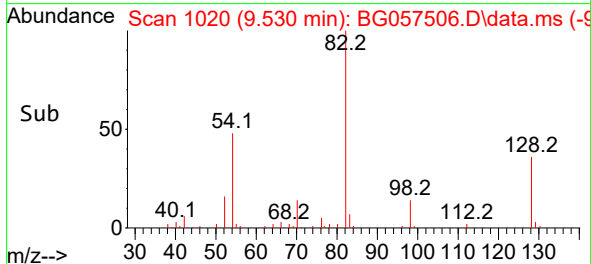
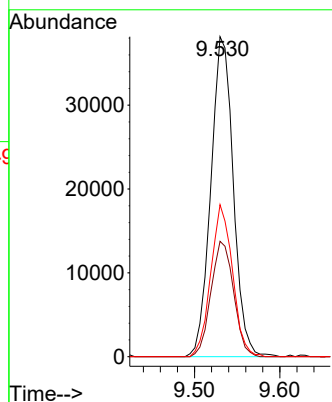
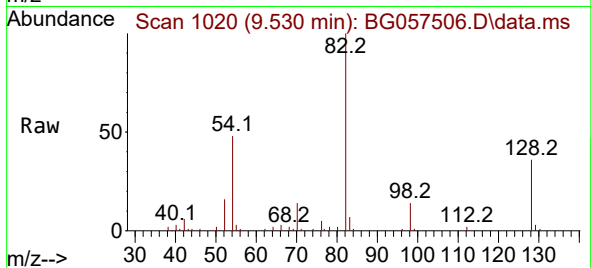
Tgt Ion: 82 Resp: 69894

Ion Ratio Lower Upper

82 100

128 36.1 29.0 43.4

54 47.5 41.4 62.0



#31

Naphthalene

Concen: 4.615 ng

RT: 11.239 min Scan# 1311

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

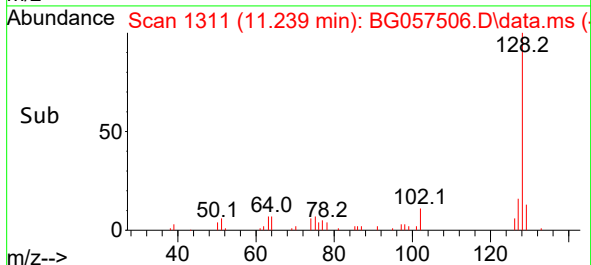
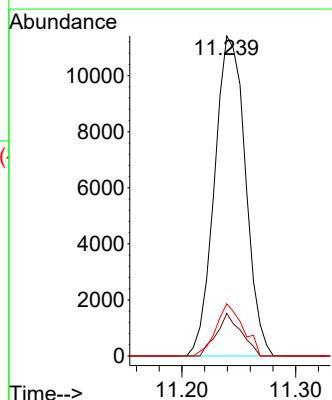
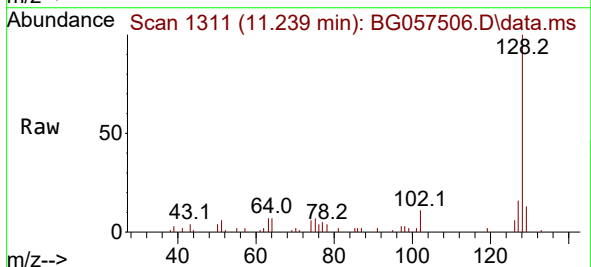
Tgt Ion:128 Resp: 21527

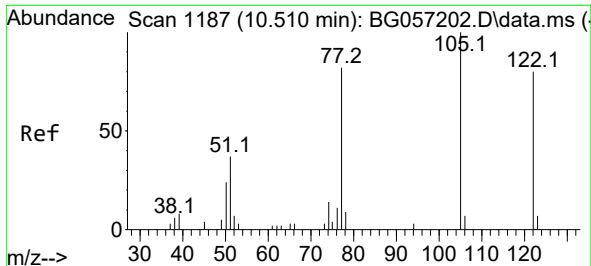
Ion Ratio Lower Upper

128 100

129 13.3 8.3 12.5#

127 16.3 11.1 16.7





#32

Benzoic acid

Concen: 4.791 ng

RT: 10.399 min Scan# 1187

Delta R.T. -0.089 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

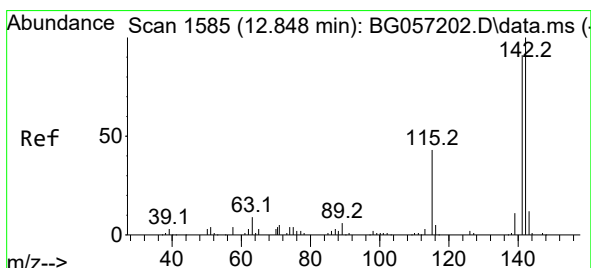
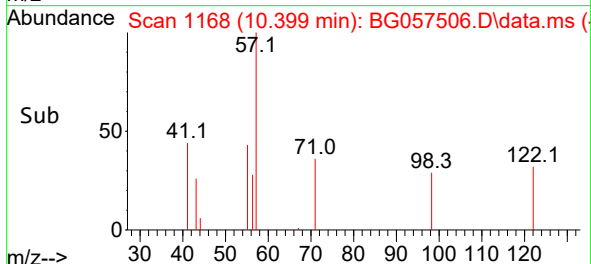
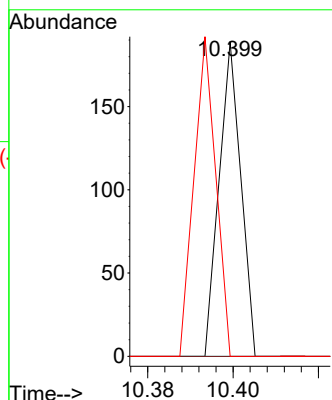
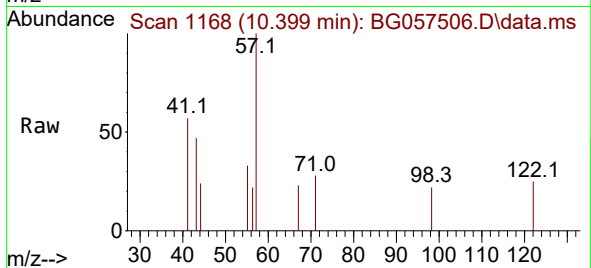
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 105.2 145.2#

77 0.0 83.1 123.1#



#37

2-Methylnaphthalene

Concen: 4.816 ng

RT: 12.820 min Scan# 1580

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

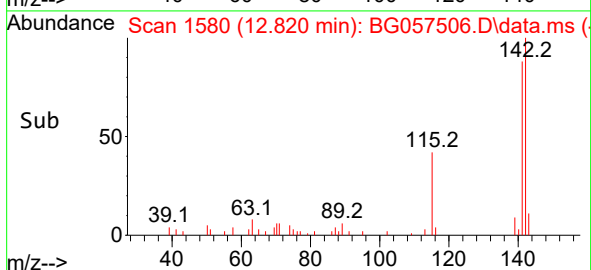
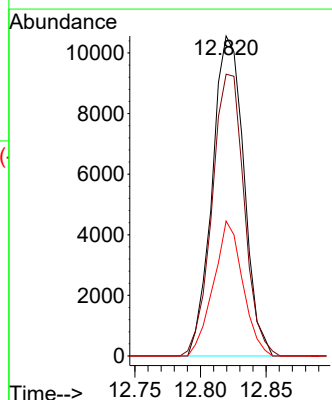
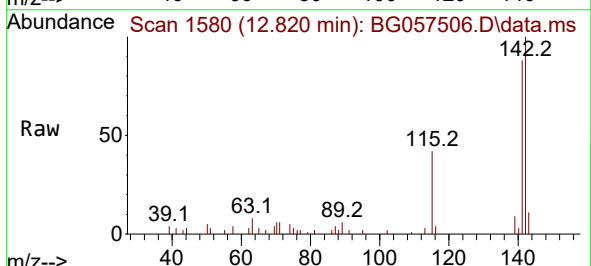
Tgt Ion:142 Resp: 17660

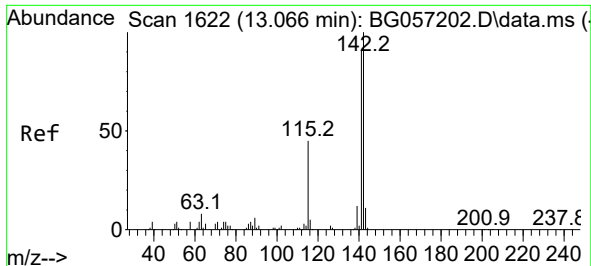
Ion Ratio Lower Upper

142 100

141 88.1 73.1 109.7

115 42.2 34.6 52.0

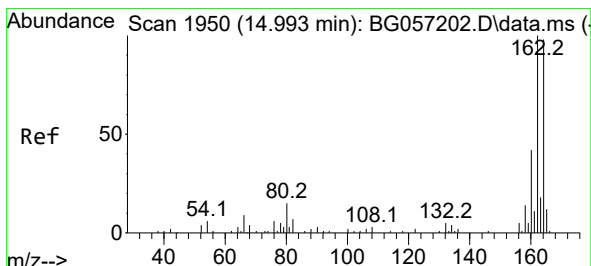
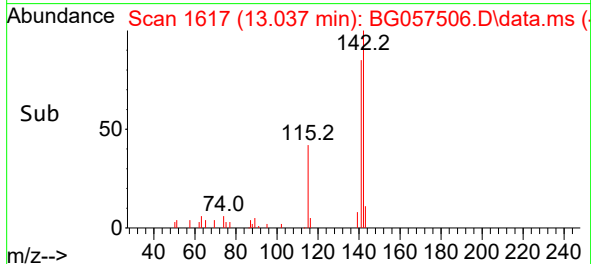
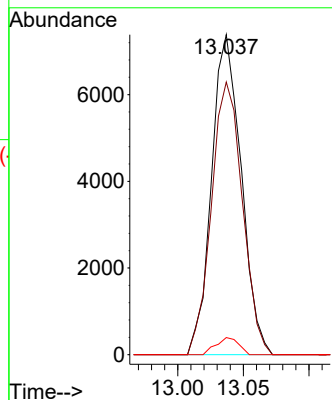
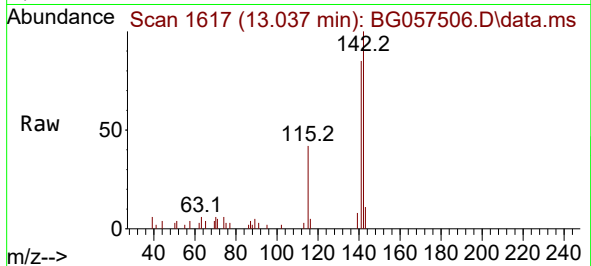




#38
1-Methylnaphthalene
Concen: 3.352 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

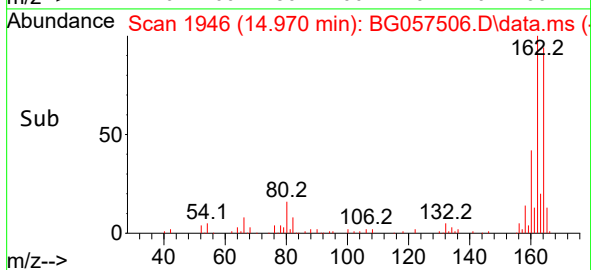
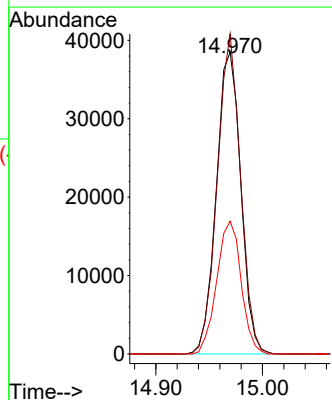
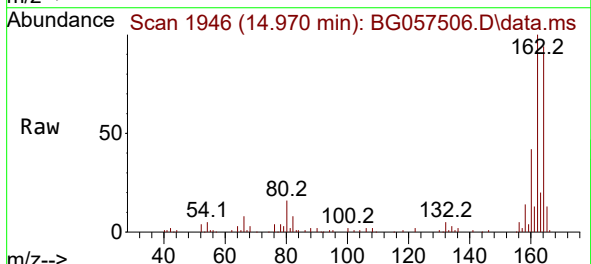
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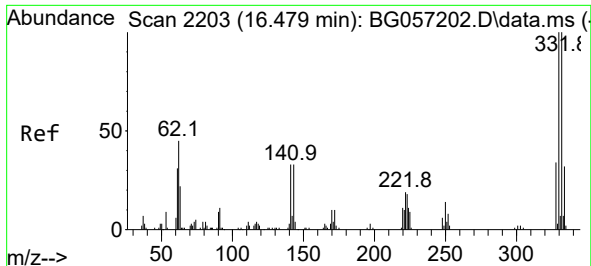
Tgt Ion:142 Resp: 11587
Ion Ratio Lower Upper
142 100
141 85.2 72.5 108.7
116 5.4 3.7 5.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1946
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:164 Resp: 61314
Ion Ratio Lower Upper
164 100
162 106.0 81.8 122.6
160 44.0 34.6 52.0

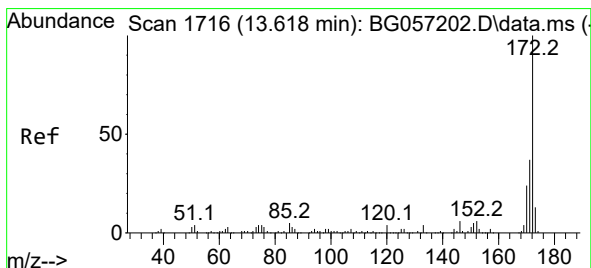
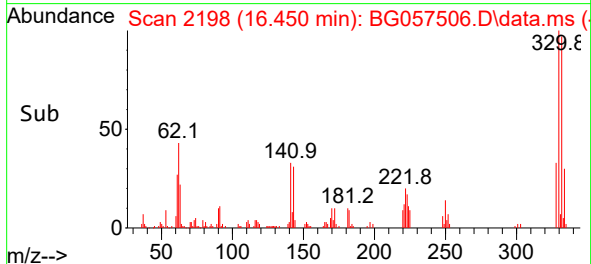
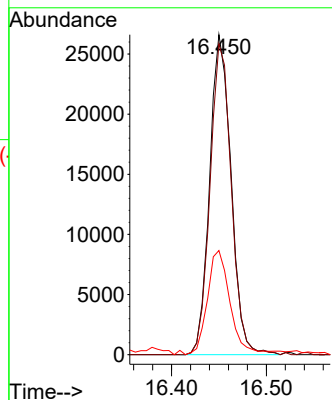
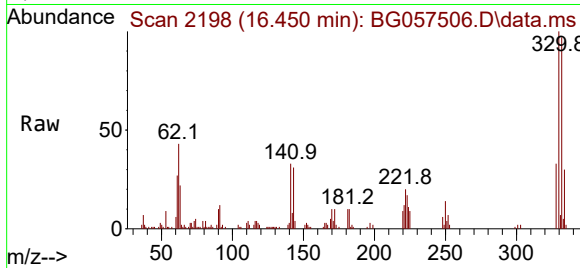




#42
2,4,6-Tribromophenol
Concen: 47.900 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

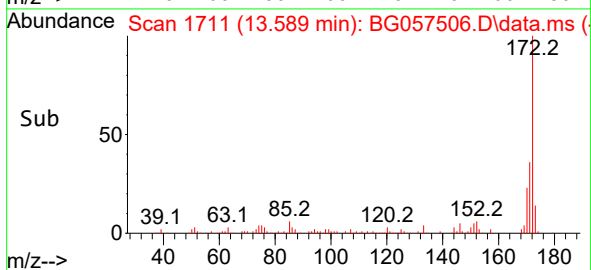
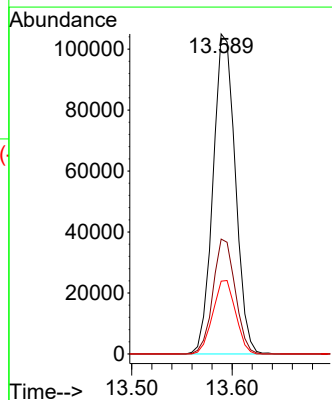
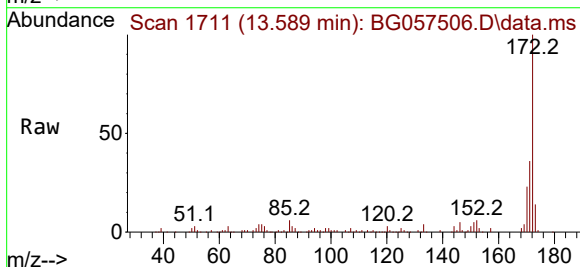
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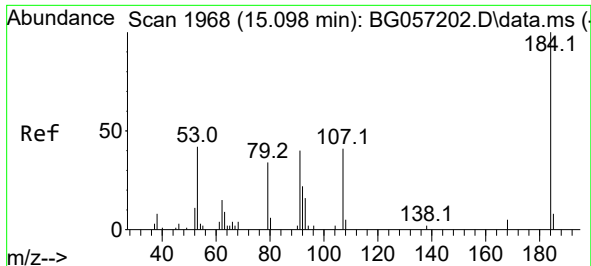
Tgt Ion:330 Resp: 41672
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.2
141 35.2 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 35.501 ng
RT: 13.589 min Scan# 1711
Delta R.T. -0.013 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:172 Resp: 161620
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 22.8 19.0 28.6

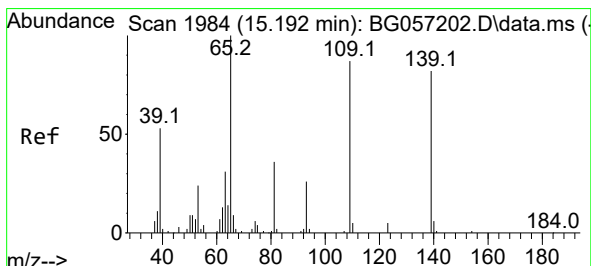
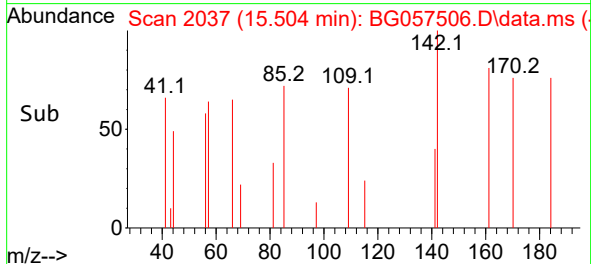
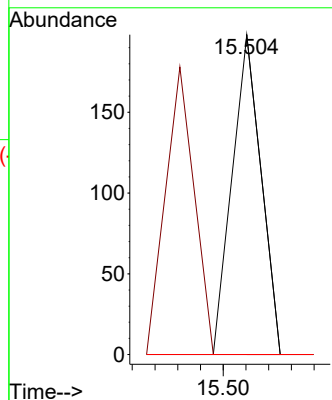
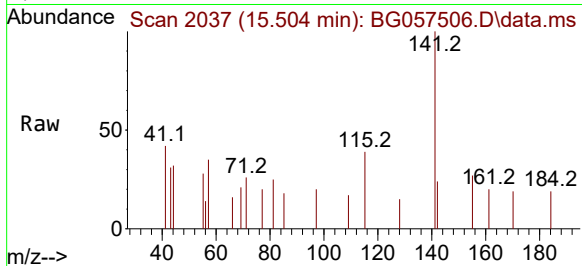




#54
2,4-Dinitrophenol
Concen: 5.020 ng
RT: 15.504 min Scan# 2013
Delta R.T. 0.416 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

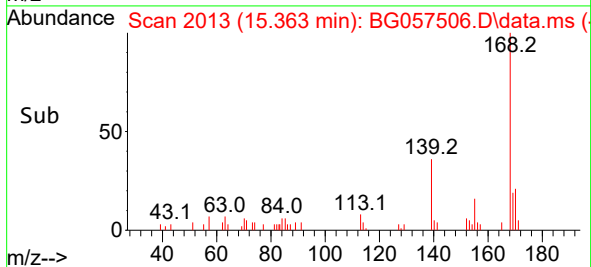
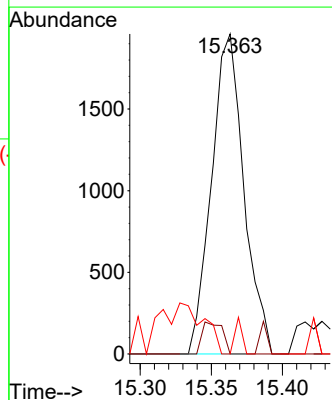
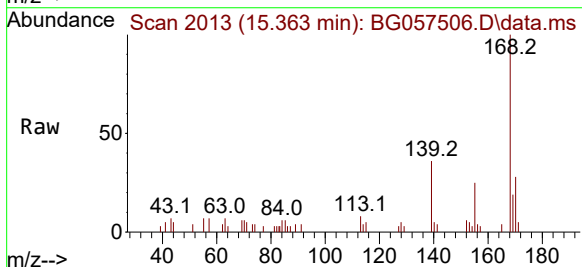
Instrument :
BNA_G
ClientSampleId :
ETGI-359

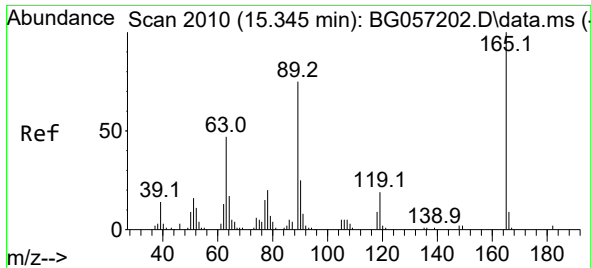
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 0.0 55.4 83.2#



#56
4-Nitrophenol
Concen: 4.514 ng
RT: 15.363 min Scan# 2013
Delta R.T. 0.181 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:139 Resp: 3094
Ion Ratio Lower Upper
139 100
109 0.0 86.6 126.6#
65 0.0 102.6 142.6#





#57

2,4-Dinitrotoluene

Concen: 3.144 ng

RT: 15.328 min Scan# 20

Delta R.T. -0.001 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

Tgt Ion:165 Resp: 4622

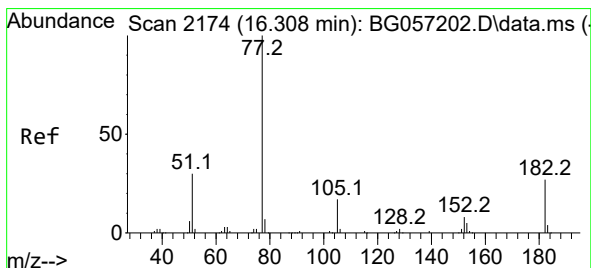
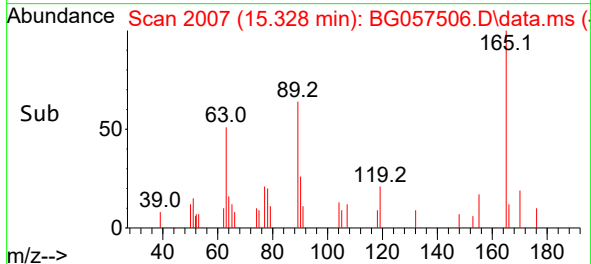
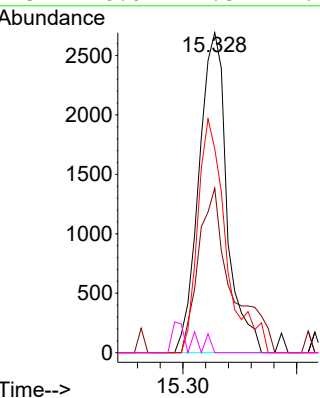
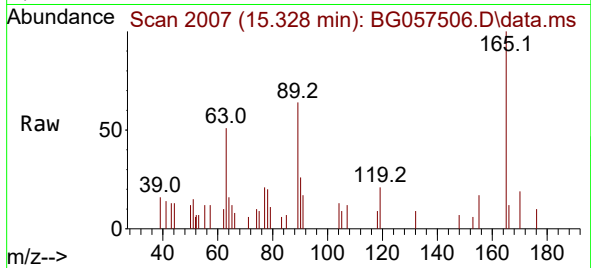
Ion Ratio Lower Upper

165 100

63 51.4 37.5 56.3

89 63.7 60.2 90.4

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 3.517 ng

RT: 16.303 min Scan# 2173

Delta R.T. 0.017 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Tgt Ion: 77 Resp: 17364

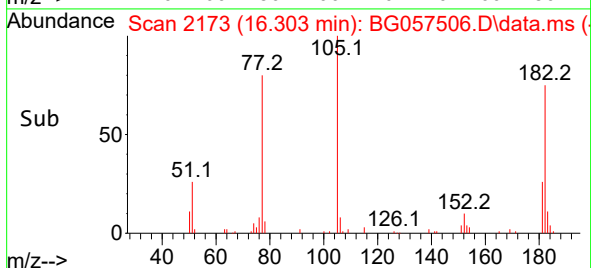
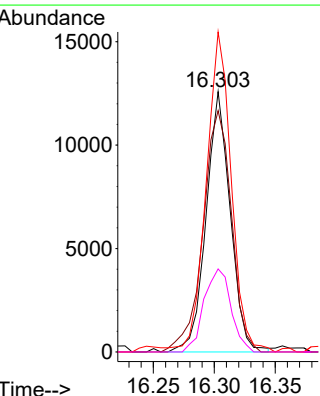
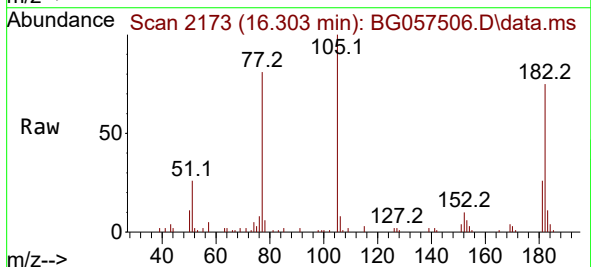
Ion Ratio Lower Upper

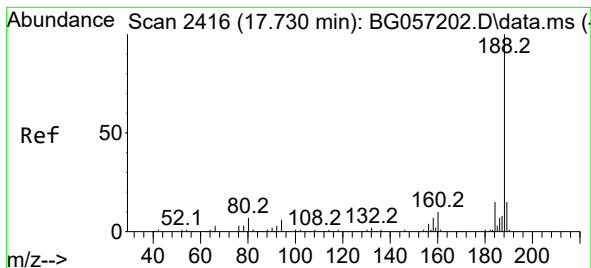
77 100

182 92.7 7.4 47.4#

105 122.9 0.0 37.2#

51 31.9 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2416

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

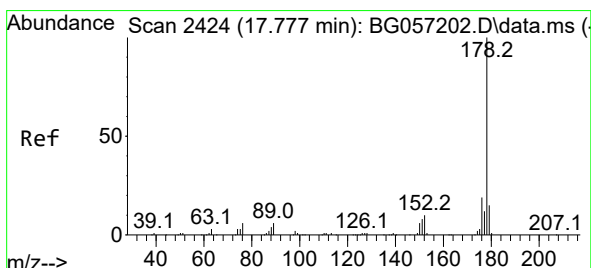
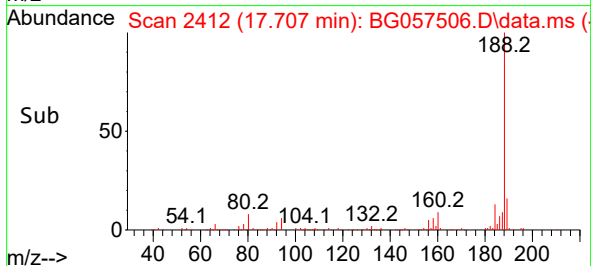
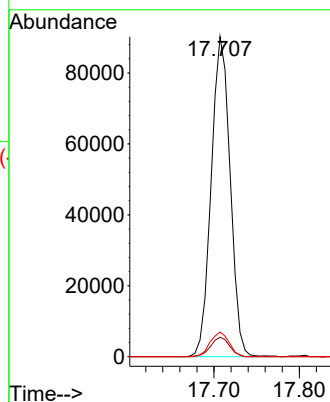
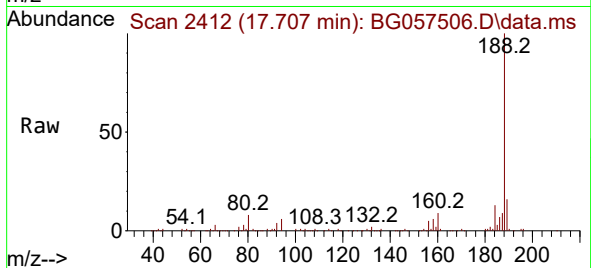
Tgt Ion:188 Resp: 139241

Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

80 7.7 5.7 8.5



#71

Phenanthrene

Concen: 5.609 ng

RT: 17.748 min Scan# 2419

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

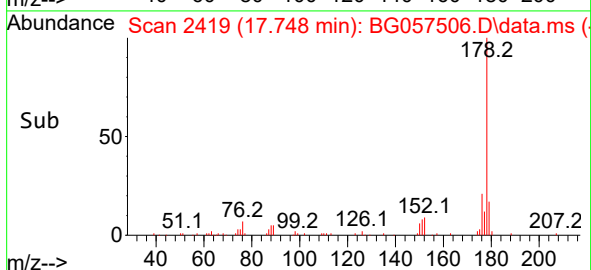
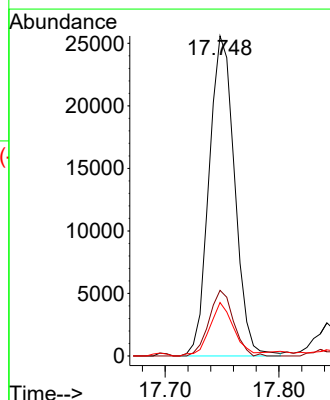
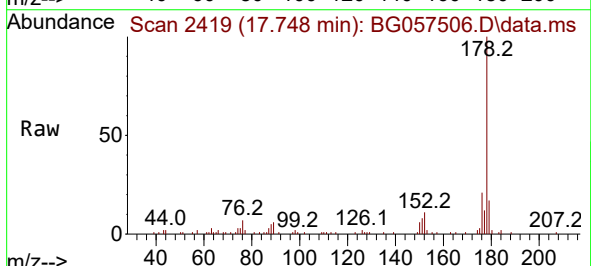
Tgt Ion:178 Resp: 40022

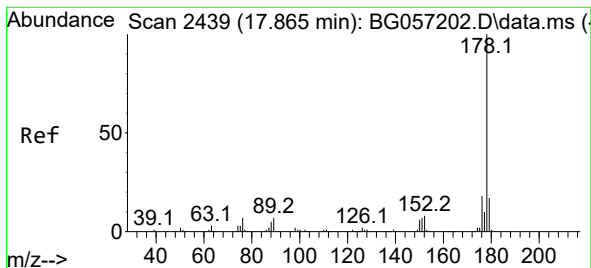
Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

179 16.7 12.3 18.5





#72

Anthracene

Concen: 5.467 ng

RT: 17.748 min Scan# 24

Delta R.T. -0.101 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

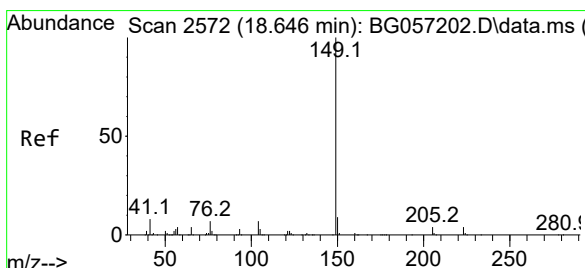
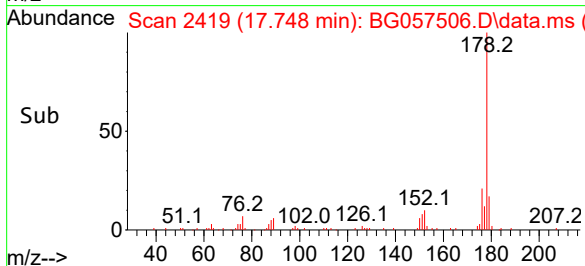
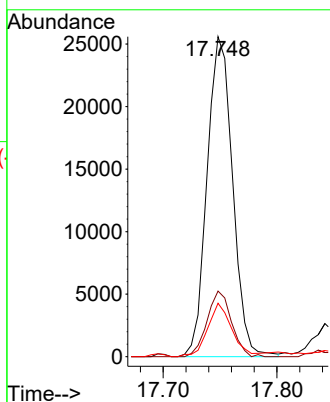
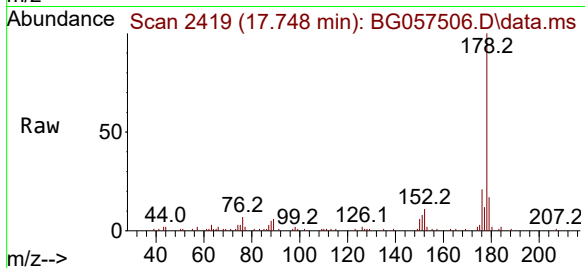
Tgt Ion:178 Resp: 40022

Ion Ratio Lower Upper

178 100

176 20.5 14.7 22.1

179 16.7 13.2 19.8



#74

Di-n-butylphthalate

Concen: 6.275 ng

RT: 18.623 min Scan# 2568

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

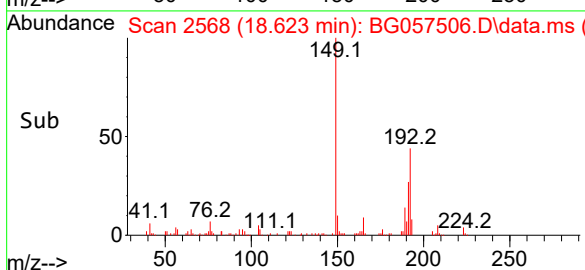
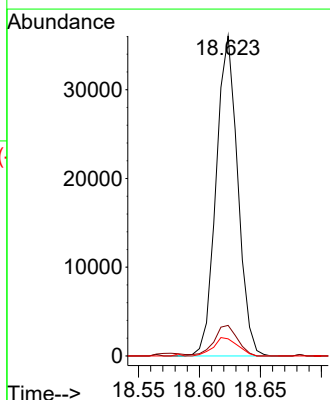
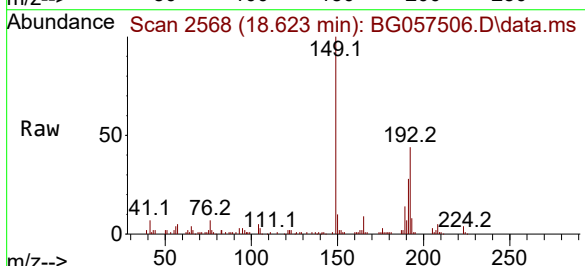
Tgt Ion:149 Resp: 44501

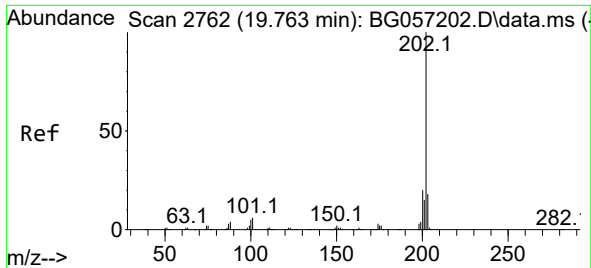
Ion Ratio Lower Upper

149 100

150 9.5 7.3 10.9

104 5.3 5.4 8.2#

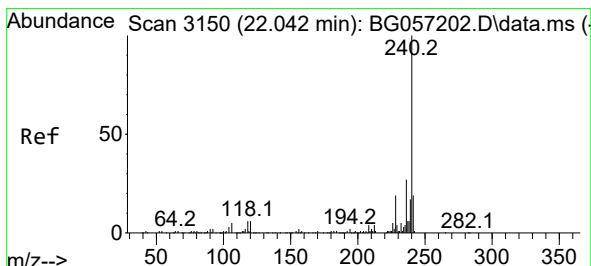
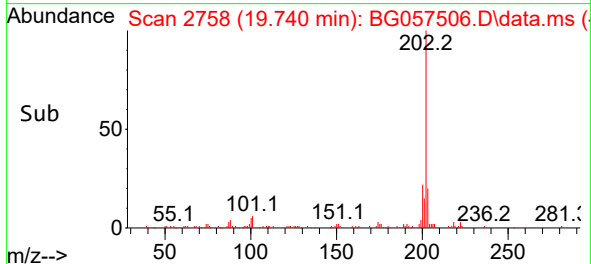
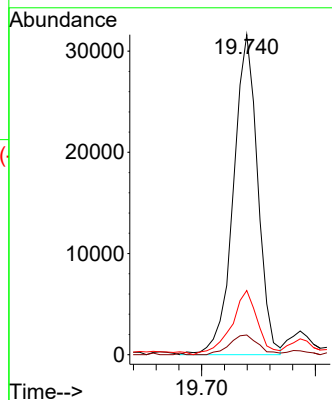
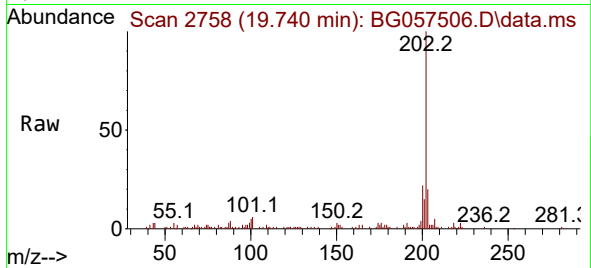




#75
Fluoranthene
Concen: 5.282 ng
RT: 19.740 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

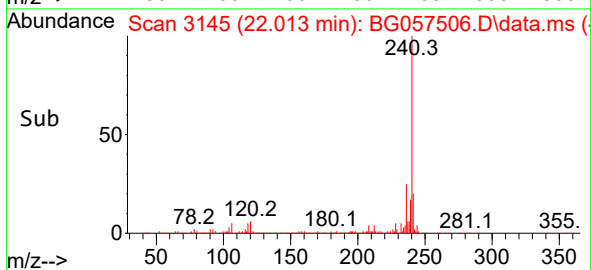
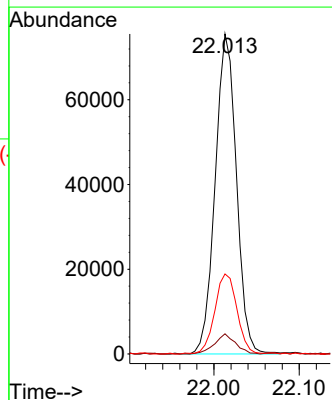
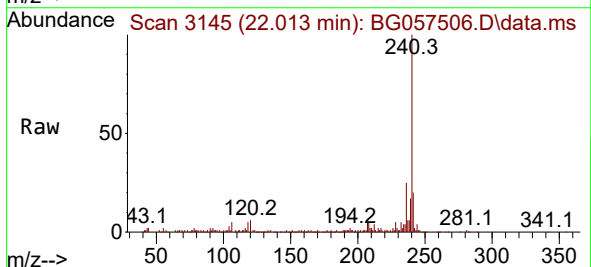
Instrument :
BNA_G
ClientSampleId :
ETGI-359

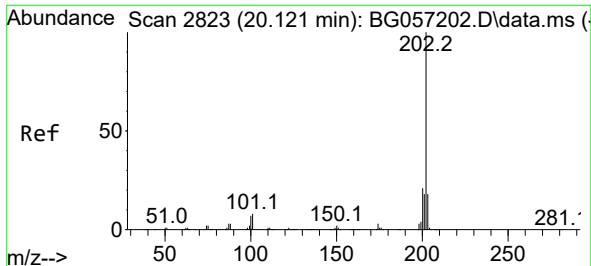
Tgt Ion:202 Resp: 46874
Ion Ratio Lower Upper
202 100
101 6.2 0.0 26.2
203 20.1 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:240 Resp: 130624
Ion Ratio Lower Upper
240 100
120 6.3 4.9 7.3
236 25.0 21.4 32.2

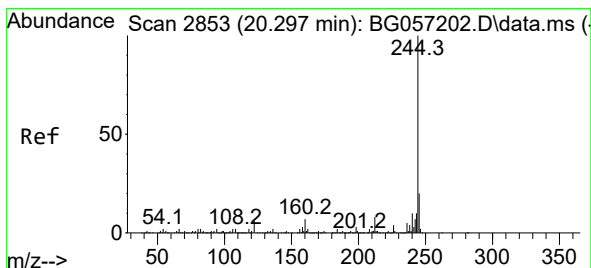
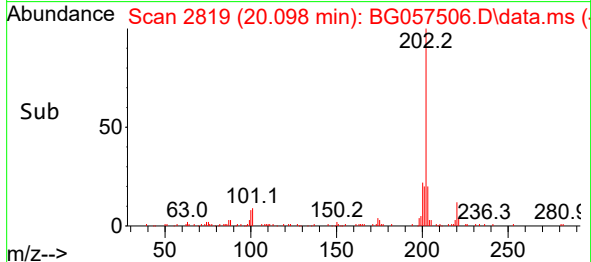
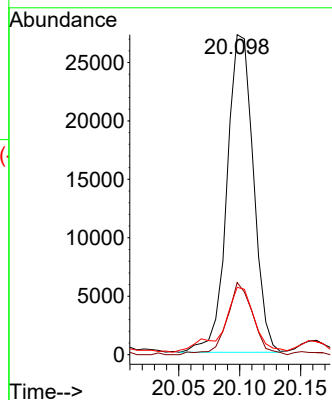
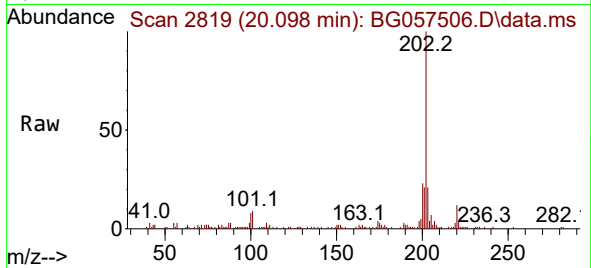




#78
 Pyrene
 Concen: 4.333 ng
 RT: 20.098 min Scan# 2819
 Delta R.T. -0.007 min
 Lab File: BG057506.D
 Acq: 22 May 2023 23:28

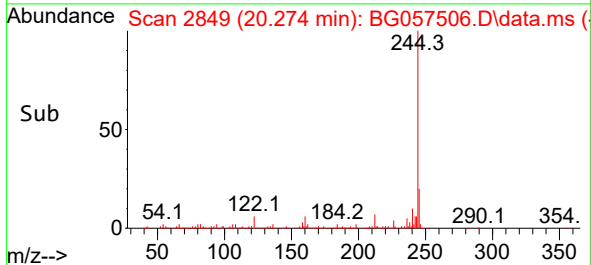
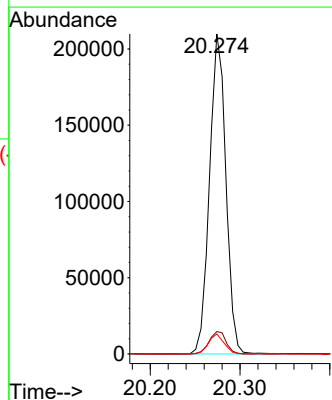
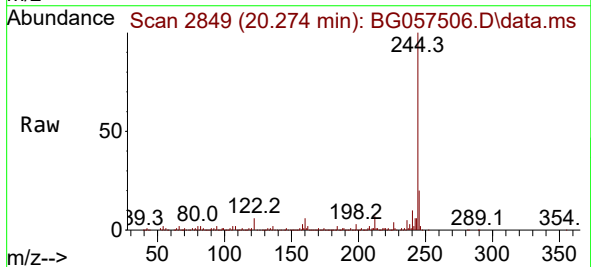
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-359

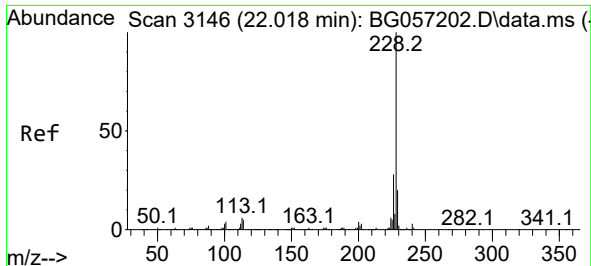
Tgt Ion:202 Resp: 41126
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.0 25.4
 203 21.1 14.2 21.4



#79
 Terphenyl-d14
 Concen: 33.161 ng
 RT: 20.274 min Scan# 2849
 Delta R.T. -0.007 min
 Lab File: BG057506.D
 Acq: 22 May 2023 23:28

Tgt Ion:244 Resp: 265430
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.3 5.1 7.7

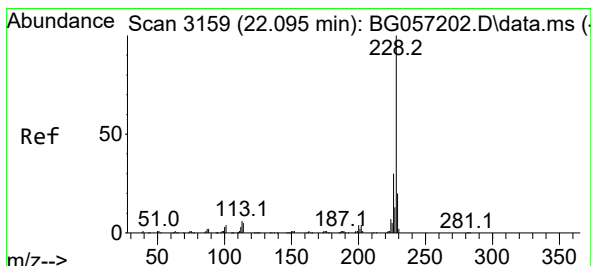
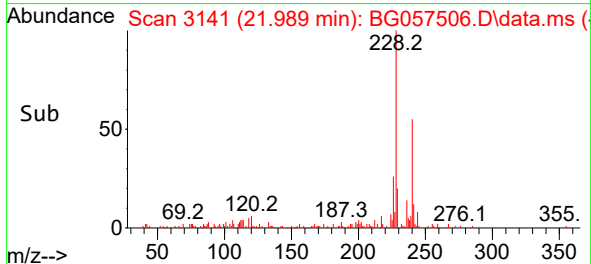
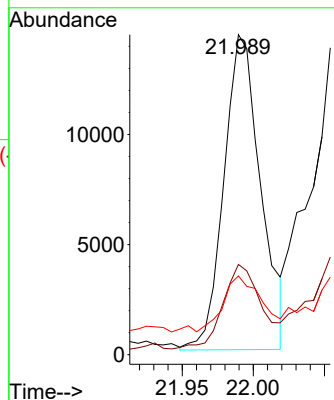
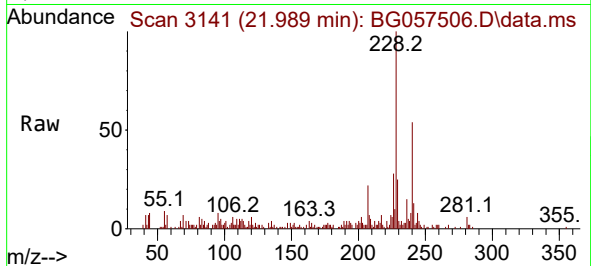




#81
Benzo(a)anthracene
Concen: 2.771 ng
RT: 21.989 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

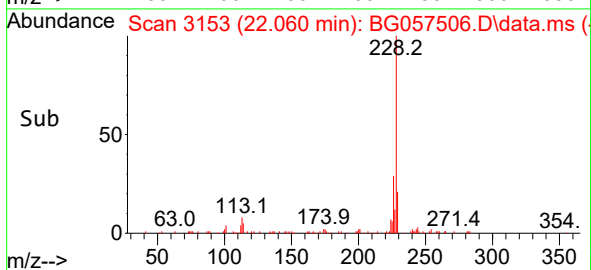
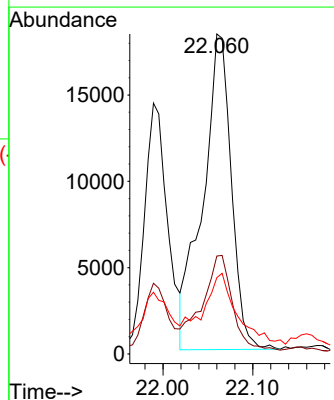
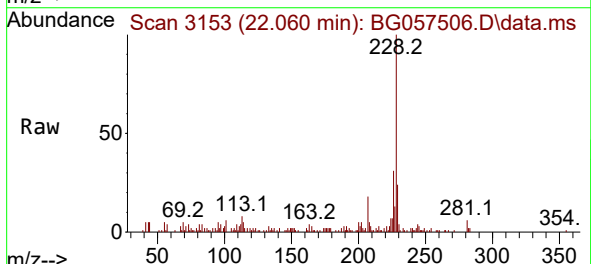
Instrument :
BNA_G
ClientSampleId :
ETGI-359

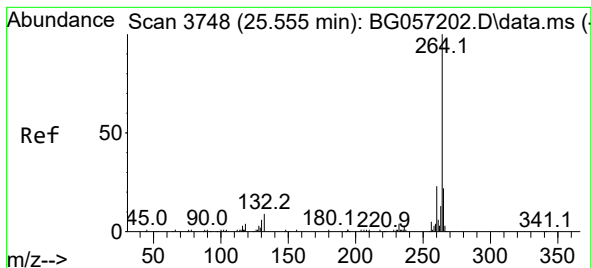
Tgt Ion:228 Resp: 25786
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 24.6 15.8 23.8#



#83
Chrysene
Concen: 4.617 ng
RT: 22.060 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:228 Resp: 40432
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.514 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

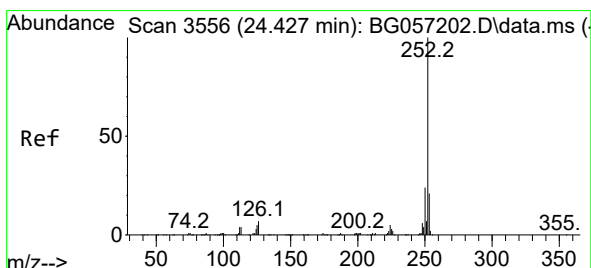
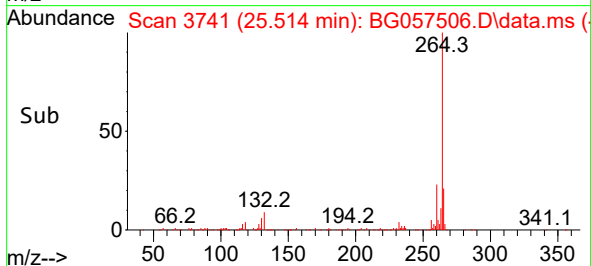
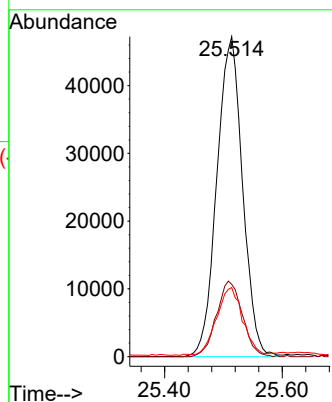
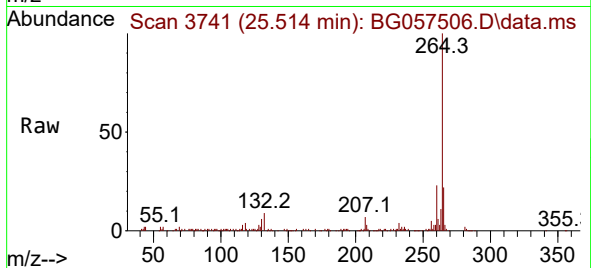
Tgt Ion:264 Resp: 143074

Ion Ratio Lower Upper

264 100

260 22.6 18.8 28.2

265 21.6 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 3.901 ng

RT: 24.386 min Scan# 3549

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

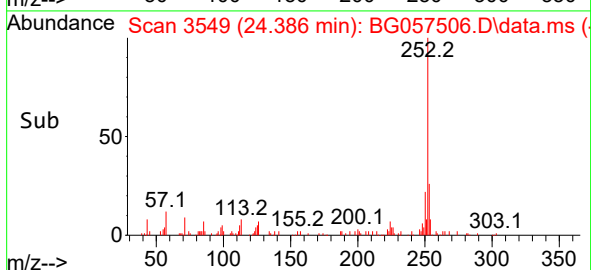
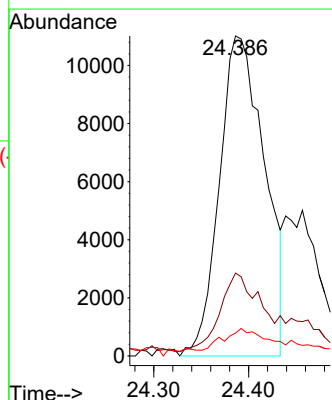
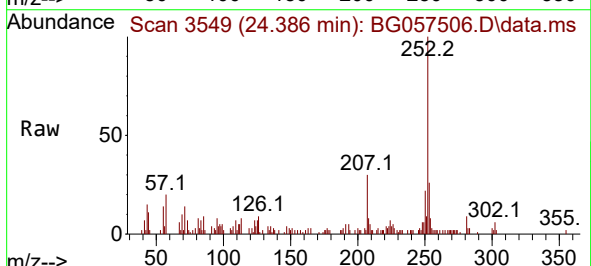
Tgt Ion:252 Resp: 36486

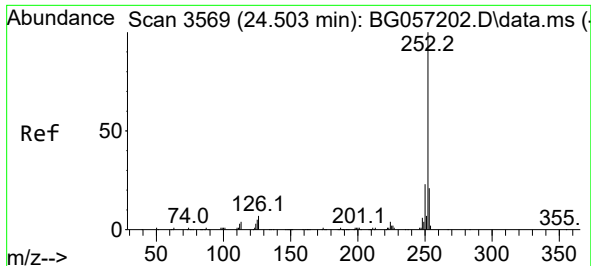
Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

125 7.2 4.2 6.2#





#89

Benzo(k)fluoranthene

Concen: 3.839 ng

RT: 24.386 min Scan# 3569

Delta R.T. -0.083 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

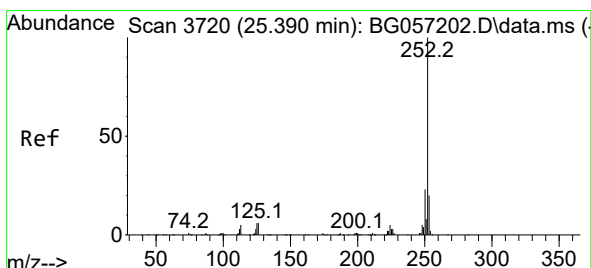
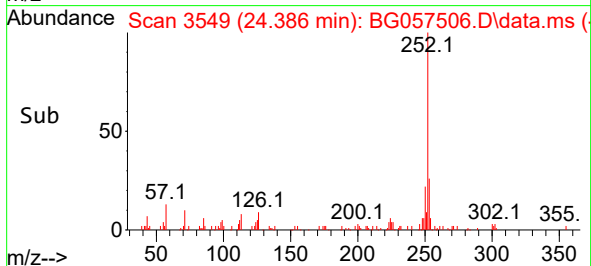
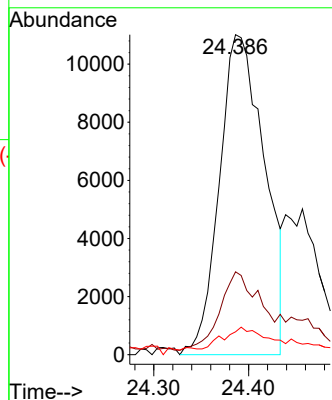
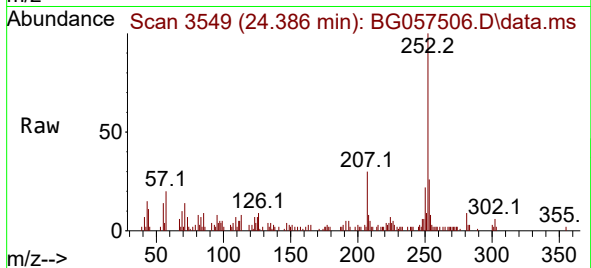
Tgt Ion:252 Resp: 36486

Ion Ratio Lower Upper

252 100

253 25.9 17.4 26.0

125 7.2 4.1 6.1#



#90

Benzo(a)pyrene

Concen: 2.419 ng

RT: 25.344 min Scan# 3712

Delta R.T. -0.012 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Tgt Ion:252 Resp: 22101

Ion Ratio Lower Upper

252 100

253 22.5 16.3 24.5

125 9.5 5.0 7.4#

