

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054815.D
 Acq On : 31 Aug 2022 20:55
 Operator : CG/JU
 Sample : N4426-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-344

Quant Time: Sep 01 05:07:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

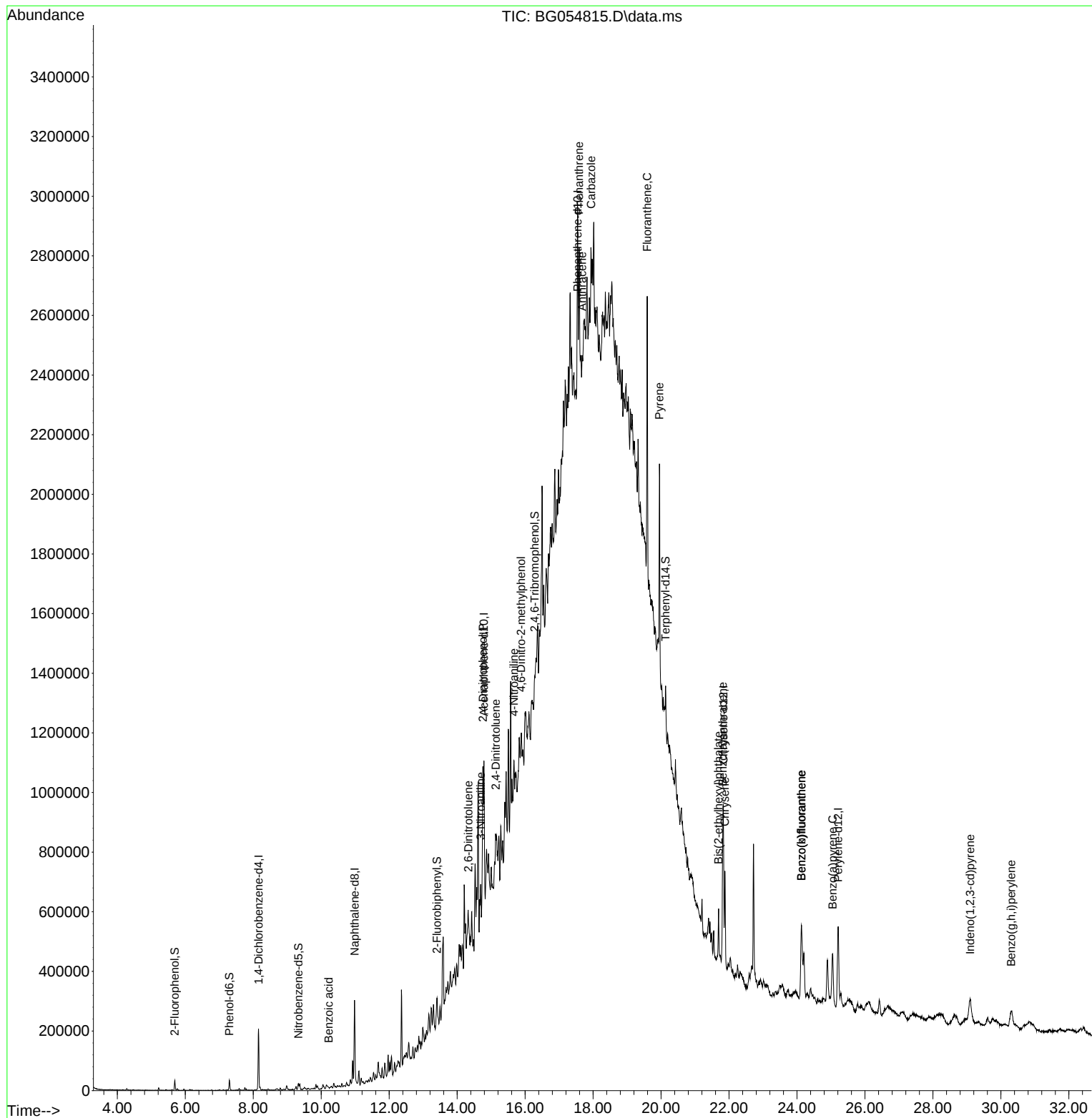
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	62803	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	247787	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	147644	20.000	ng	0.00
64) Phenanthrene-d10	17.542	188	266281	20.000	ng	# 0.01
76) Chrysene-d12	21.831	240	286921	20.000	ng	0.00
86) Perylene-d12	25.209	264	307119	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	15872	4.401	ng	0.00
7) Phenol-d6	7.295	99	21044	4.267	ng	0.00
23) Nitrobenzene-d5	9.328	82	14222	3.013	ng	0.00
42) 2,4,6-Tribromophenol	16.279	330	7618	4.129	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	34902	3.553	ng	0.00
79) Terphenyl-d14	20.133	244	49184	3.396	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.215	122	54	7.823	ng	# 26
51) 2,6-Dinitrotoluene	14.328	165	5097	2.191	ng	# 33
53) 3-Nitroaniline	14.692	138	5706	2.191	ng	# 24
54) 2,4-Dinitrophenol	14.757	184	446	7.011	ng	# 1
57) 2,4-Dinitrotoluene	15.133	165	7985	2.481	ng	# 42
62) 4-Nitroaniline	15.668	138	13197	4.963	ng	90
65) 4,6-Dinitro-2-methylph...	15.879	198	3048	2.249	ng	# 1
71) Phenanthrene	17.583	178	241881	17.052	ng	# 93
72) Anthracene	17.677	178	31192	2.262	ng	# 52
73) Carbazole	17.941	167	29267	2.303	ng	# 38
75) Fluoranthene	19.592	202	563720	32.668	ng	97
78) Pyrene	19.951	202	473610	23.672	ng	98
81) Benzo(a)anthracene	21.813	228	220297	11.324	ng	99
83) Chrysene	21.878	228	254418	13.678	ng	99
84) Bis(2-ethylhexyl)phtha...	21.690	149	64498	5.364	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.093	276	160760	6.895	ng	97
88) Benzo(b)fluoranthene	24.128	252	350303	18.183	ng	98
89) Benzo(k)fluoranthene	24.128	252	350303	18.067	ng	98
90) Benzo(a)pyrene	25.045	252	202620	12.310	ng	# 97
92) Benzo(g,h,i)perylene	30.303	276	157959	8.232	ng	96

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

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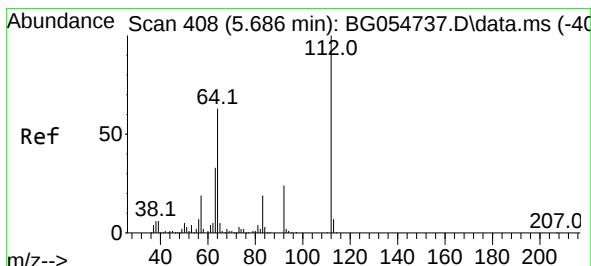
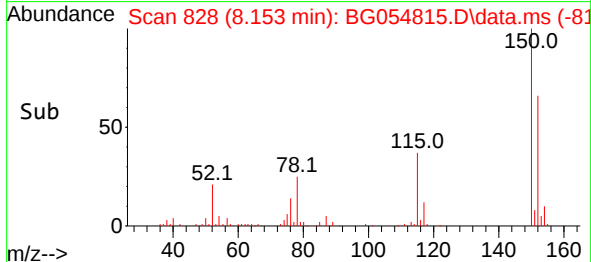
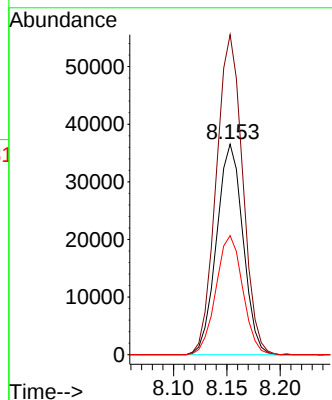
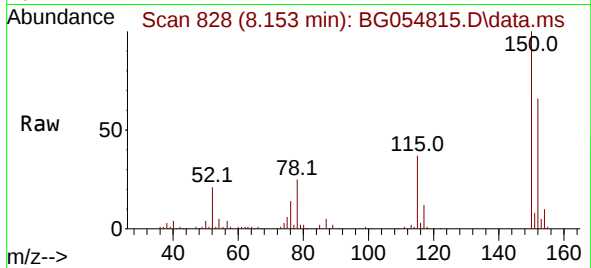




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

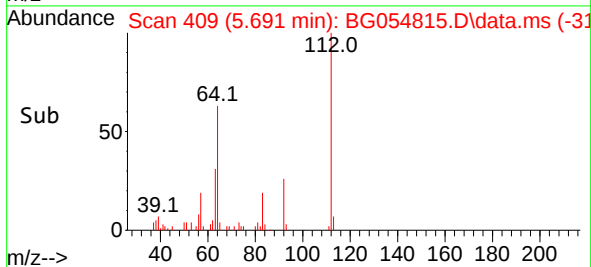
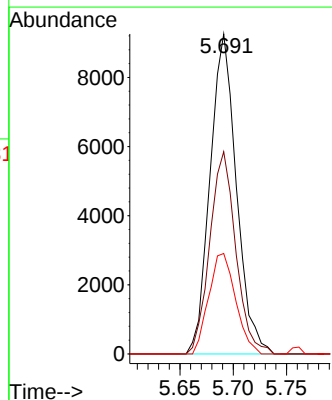
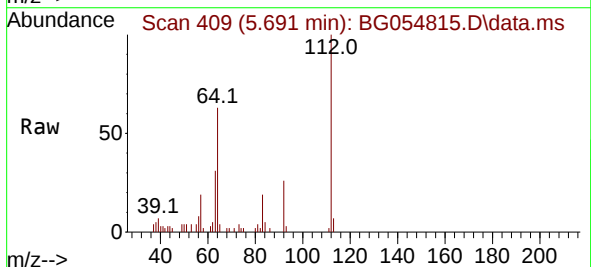
Instrument :
BNA_G
ClientSampleId :
ETGI-344

Tgt Ion:152 Resp: 62803
Ion Ratio Lower Upper
152 100
150 152.0 125.2 187.8
115 56.5 47.9 71.9



#5
2-Fluorophenol
Concen: 4.401 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:112 Resp: 15872
Ion Ratio Lower Upper
112 100
64 63.2 49.3 73.9
63 31.4 26.3 39.5

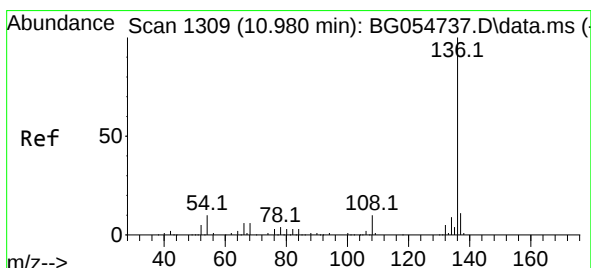
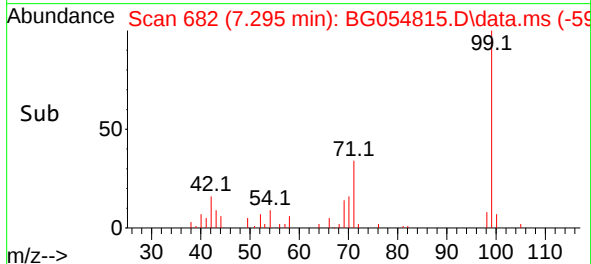
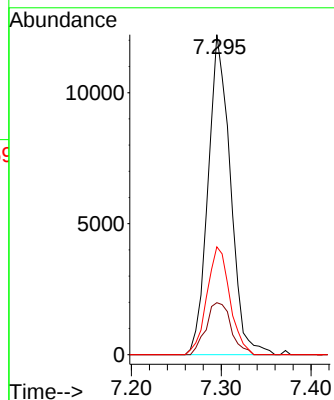
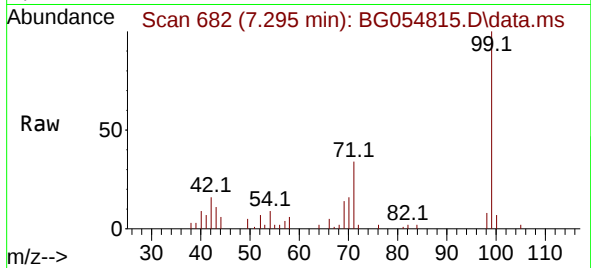




#7
Phenol-d6
Concen: 4.267 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

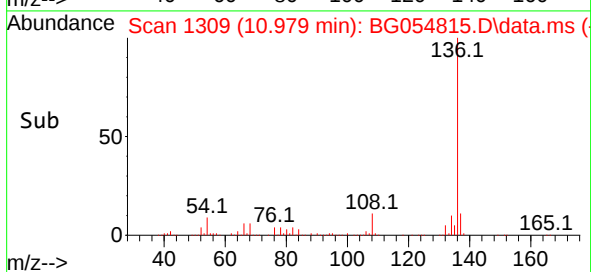
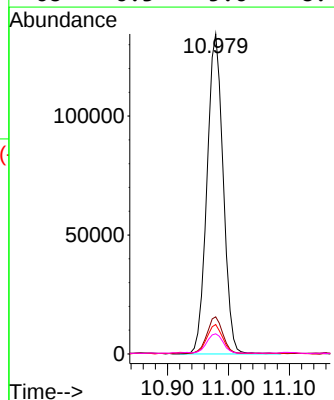
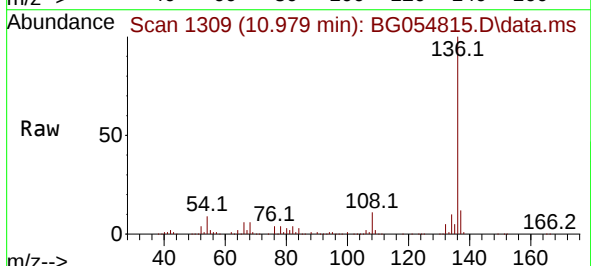
Instrument :
BNA_G
ClientSampleId :
ETGI-344

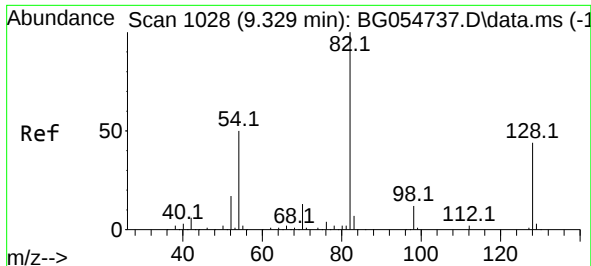
Tgt Ion: 99 Resp: 21044
Ion Ratio Lower Upper
99 100
42 16.2 14.6 22.0
71 33.7 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:136 Resp: 247787
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 9.2 7.7 11.5
68 6.3 5.6 8.4

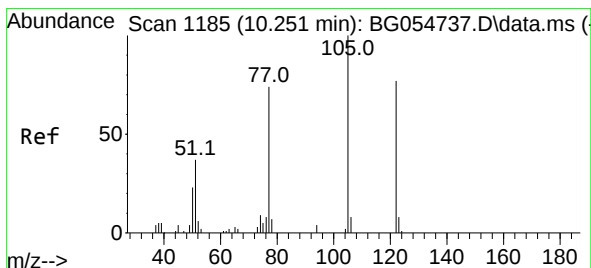
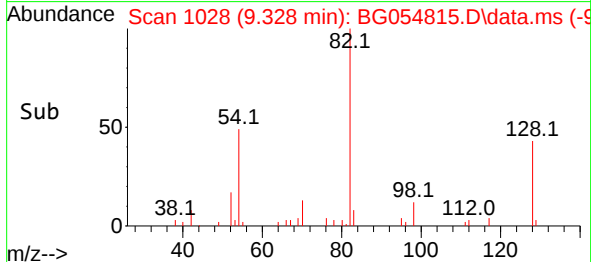
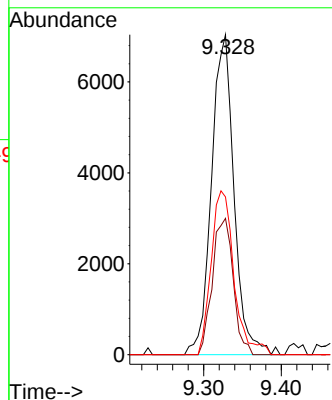
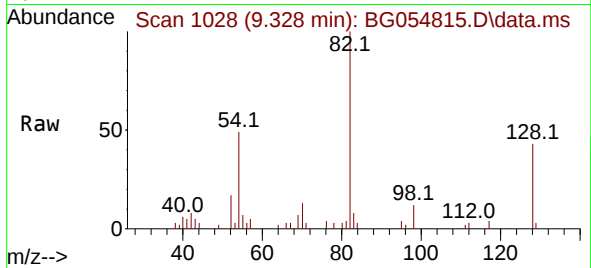




#23
Nitrobenzene-d5
Concen: 3.013 ng
RT: 9.328 min Scan# 1178
Delta R.T. -0.001 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

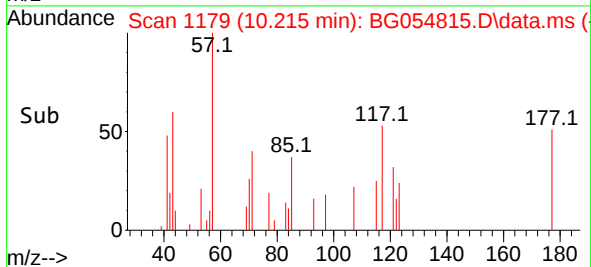
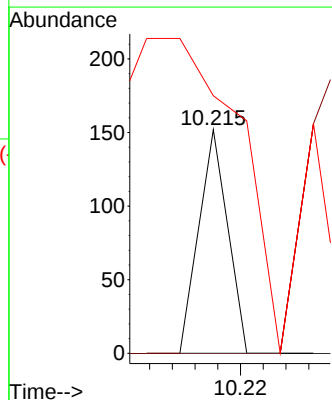
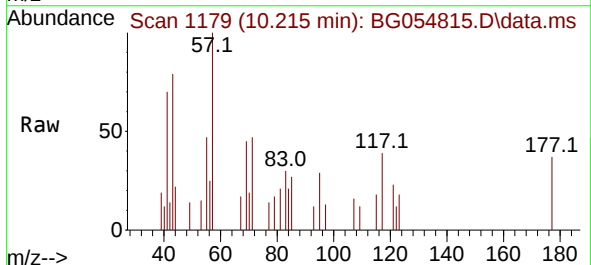
Instrument :
BNA_G
ClientSampleId :
ETGI-344

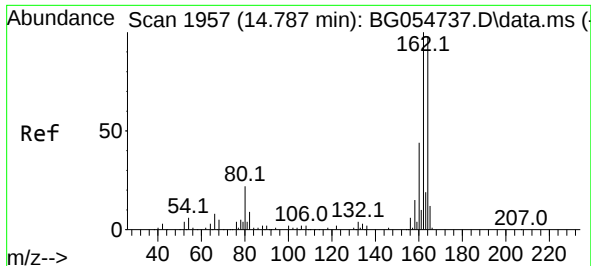
Tgt Ion: 82 Resp: 14222
Ion Ratio Lower Upper
82 100
128 42.6 32.2 48.2
54 49.3 41.4 62.0



#32
Benzoic acid
Concen: 7.823 ng
RT: 10.215 min Scan# 1179
Delta R.T. -0.036 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

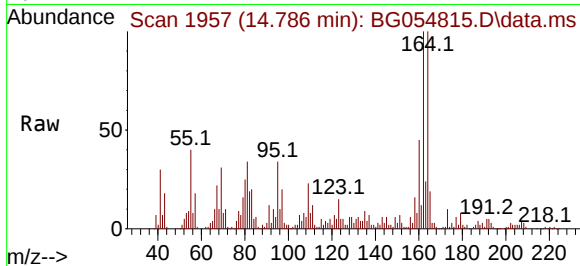
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 115.1 69.3 109.3#



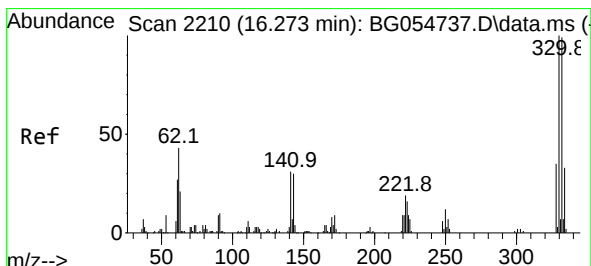
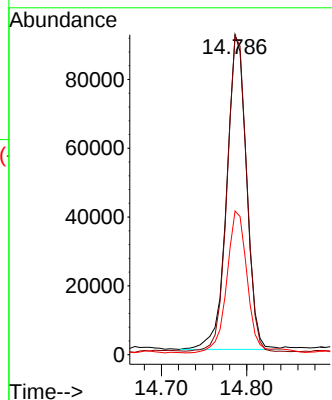
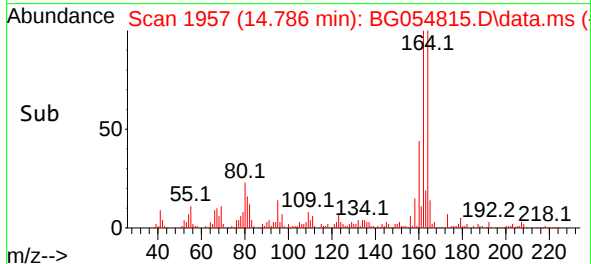


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Instrument :
BNA_G
ClientSampleId :
ETGI-344

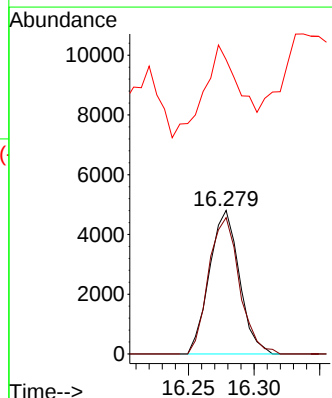
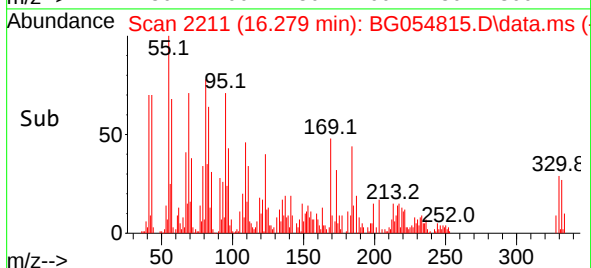
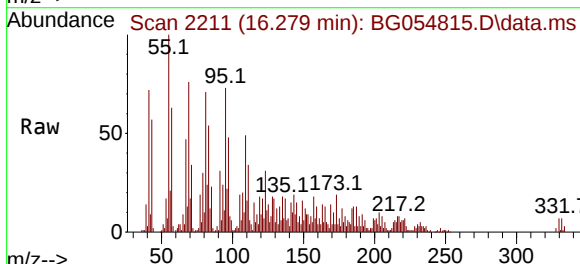


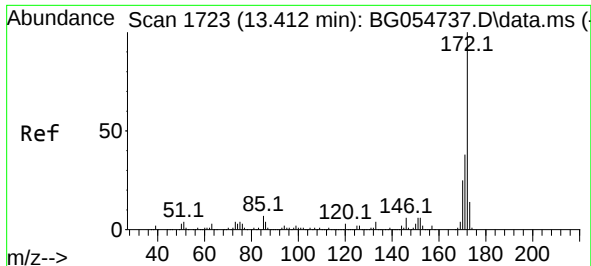
Tgt Ion:164 Resp: 147644
Ion Ratio Lower Upper
164 100
162 99.7 83.0 124.4
160 44.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 4.129 ng
RT: 16.279 min Scan# 2211
Delta R.T. 0.005 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:330 Resp: 7618
Ion Ratio Lower Upper
330 100
332 97.7 79.8 119.6
141 53.6 26.8 40.2#

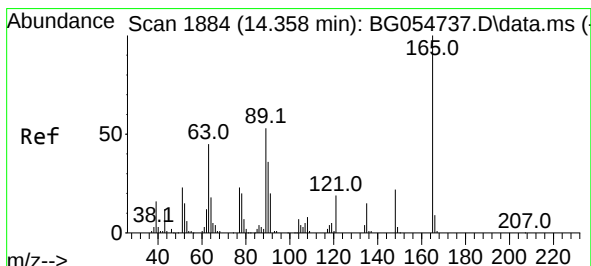
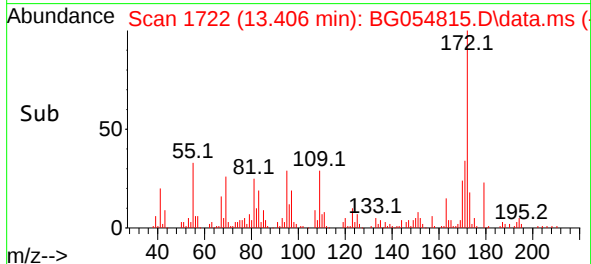
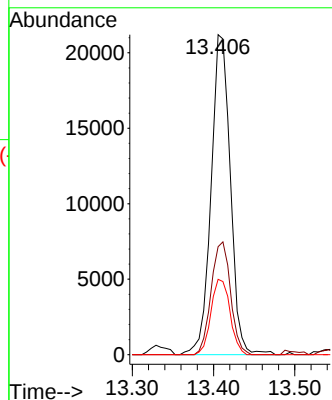
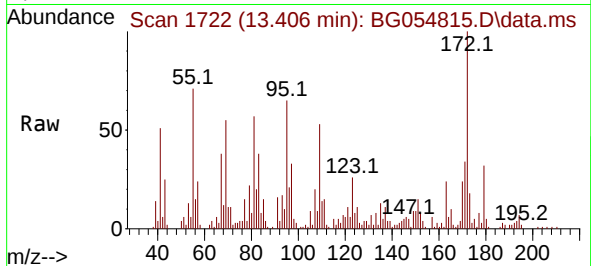




#45
2-Fluorobiphenyl
Concen: 3.553 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

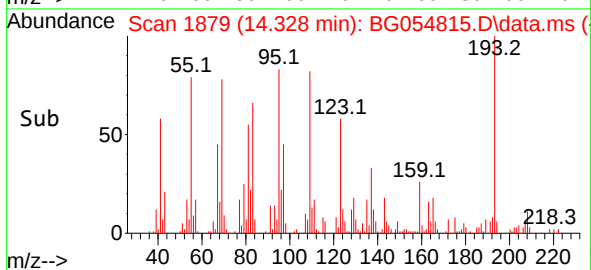
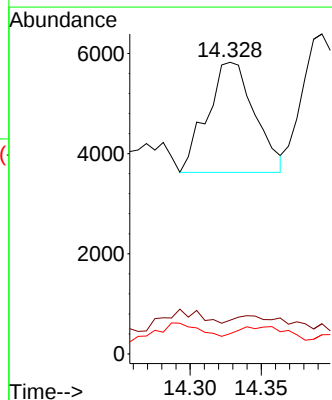
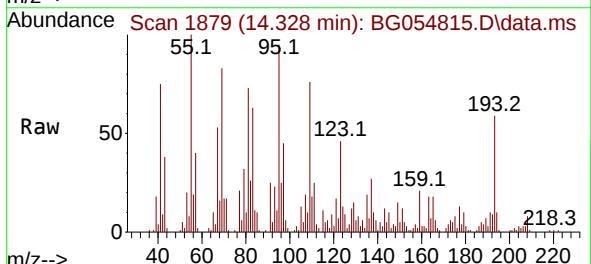
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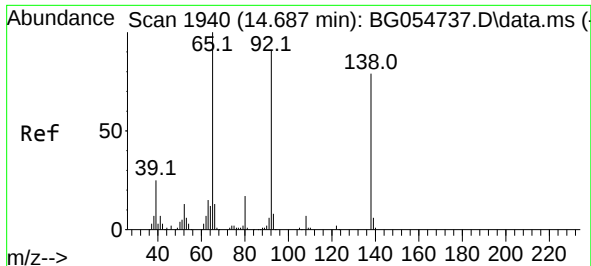
Tgt Ion:172 Resp: 34902
Ion Ratio Lower Upper
172 100
171 33.7 31.2 46.8
170 23.6 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 2.191 ng
RT: 14.328 min Scan# 1879
Delta R.T. -0.030 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:165 Resp: 5097
Ion Ratio Lower Upper
165 100
63 11.6 46.0 69.0#
89 7.0 50.3 75.5#

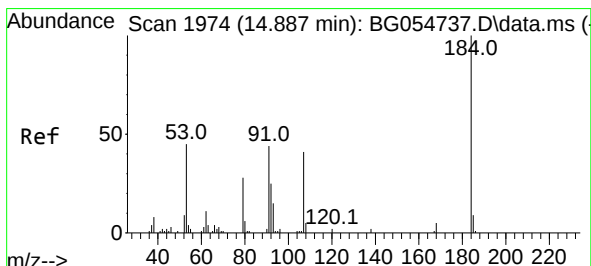
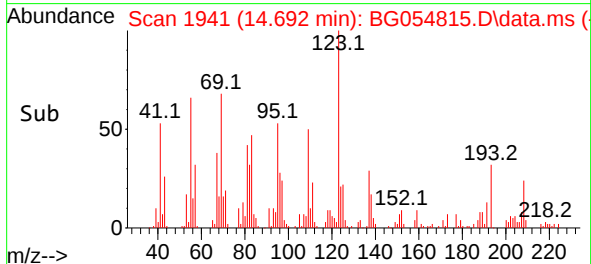
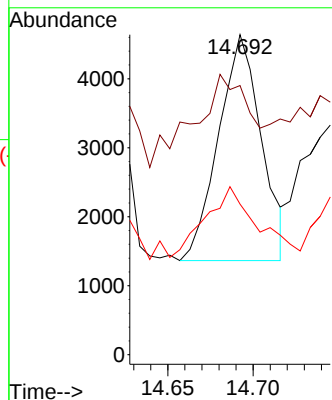
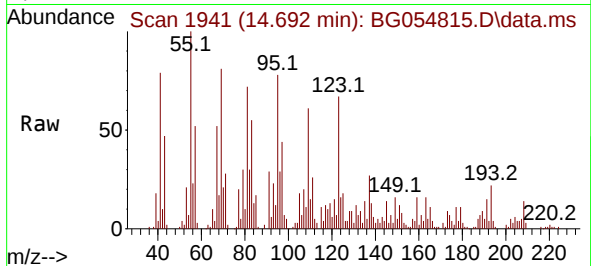




#53
3-Nitroaniline
Concen: 2.191 ng
RT: 14.692 min Scan# 1941
Delta R.T. 0.005 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

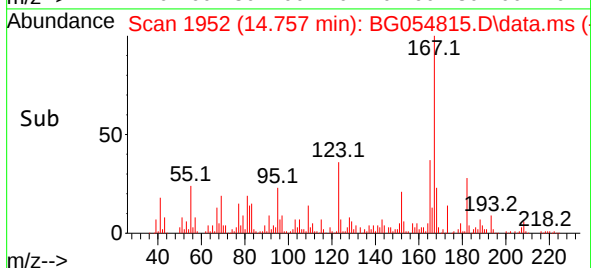
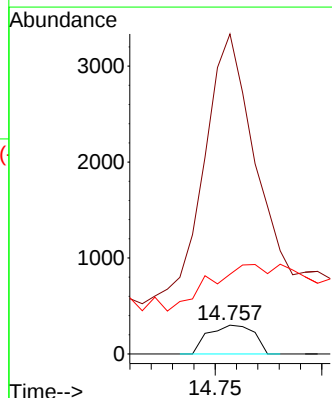
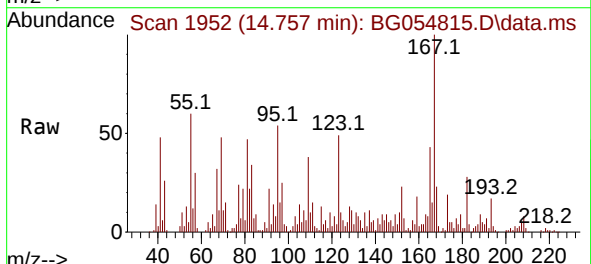
Instrument :
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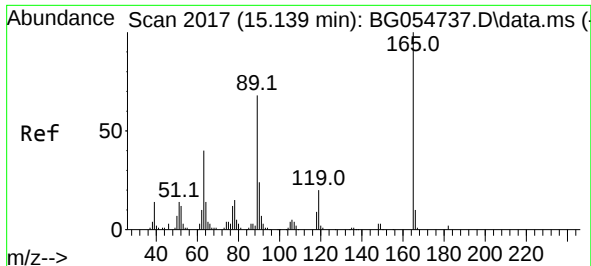
Tgt Ion:138 Resp: 5706
Ion Ratio Lower Upper
138 100
108 84.1 7.6 11.4#
92 47.0 96.0 144.0#



#54
2,4-Dinitrophenol
Concen: 7.011 ng
RT: 14.757 min Scan# 1952
Delta R.T. -0.130 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:184 Resp: 446
Ion Ratio Lower Upper
184 100
63 1108.0 41.8 62.8#
154 275.7 45.2 67.8#

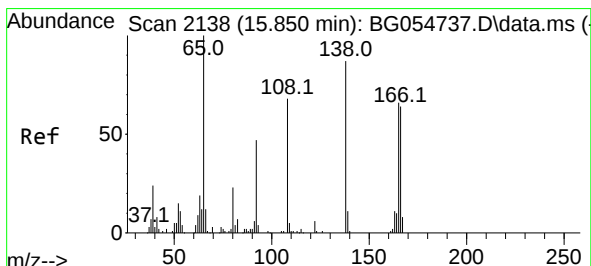
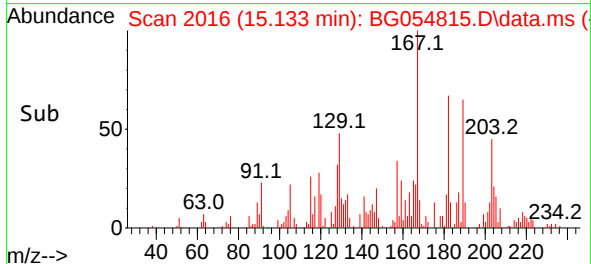
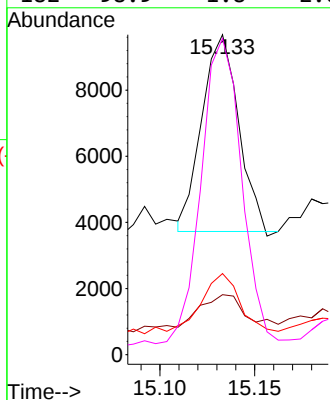
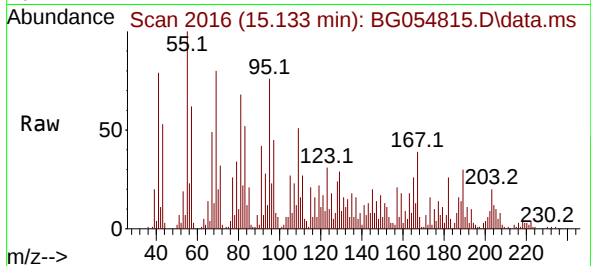




#57
2,4-Dinitrotoluene
Concen: 2.481 ng
RT: 15.133 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

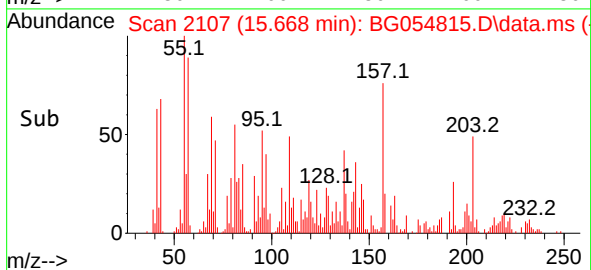
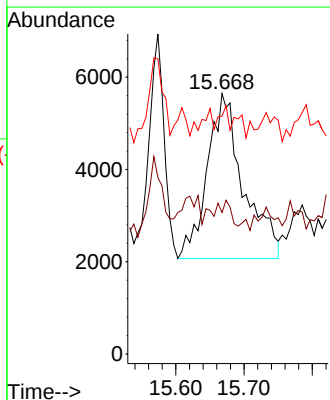
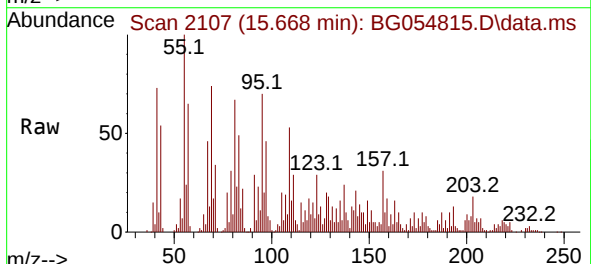
Instrument :
BNA_G
ClientSampleId :
ETGI-344

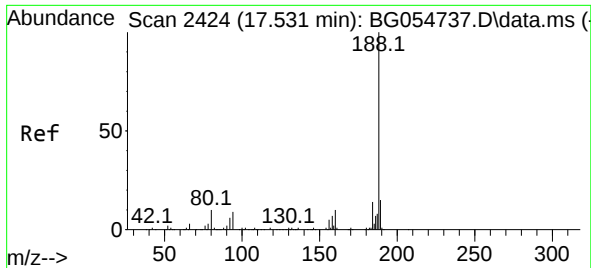
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Ion Ratio Lower Upper
165 100
63 18.8 36.8 55.2#
89 25.4 64.3 96.5#
182 98.9 1.8 2.6#



#62
4-Nitroaniline
Concen: 4.963 ng
RT: 15.668 min Scan# 2107
Delta R.T. -0.183 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:138 Resp: 13197
Ion Ratio Lower Upper
138 100
92 54.4 34.7 74.7
108 91.4 56.2 96.2

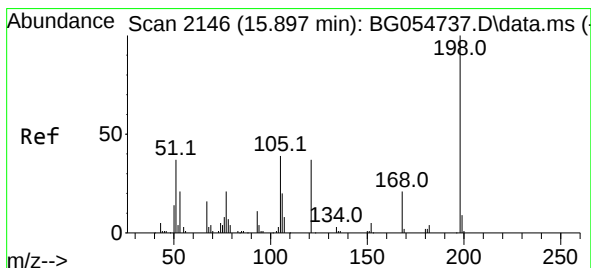
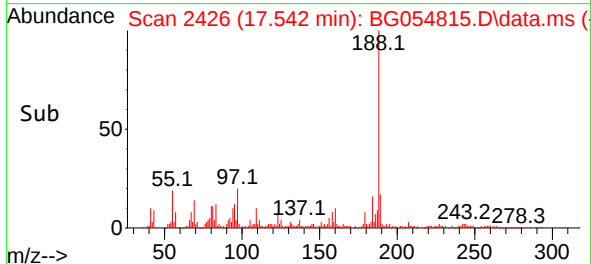
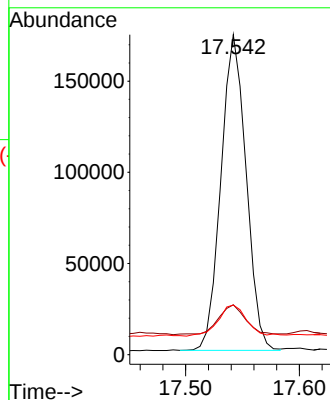
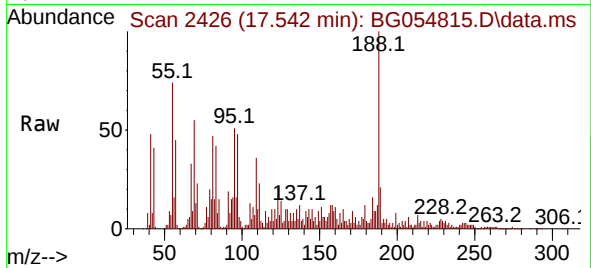




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.542 min Scan# 24
Delta R.T. 0.011 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

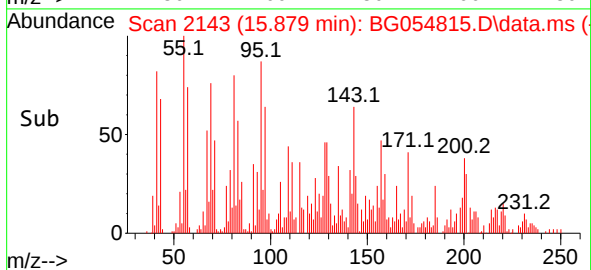
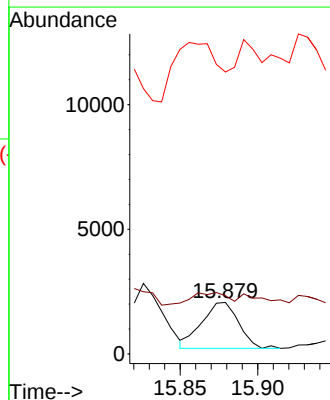
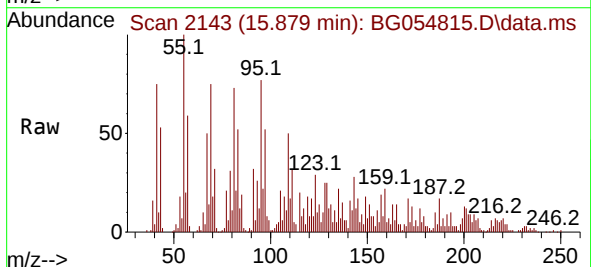
Instrument :
BNA_G
ClientSampleId :
ETGI-344

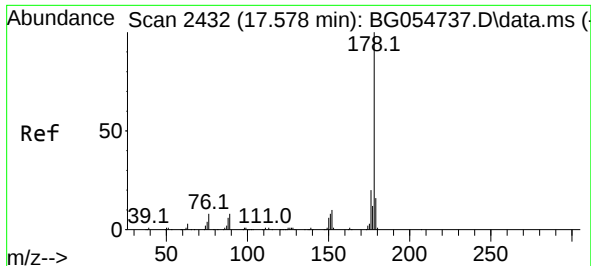
Tgt Ion:188 Resp: 266281
Ion Ratio Lower Upper
188 100
94 15.6 7.0 10.4#
80 15.5 7.9 11.9#



#65
4,6-Dinitro-2-methylphenol
Concen: 2.249 ng
RT: 15.879 min Scan# 2143
Delta R.T. -0.018 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:198 Resp: 3048
Ion Ratio Lower Upper
198 100
51 113.1 19.9 59.9#
105 548.0 20.3 60.3#

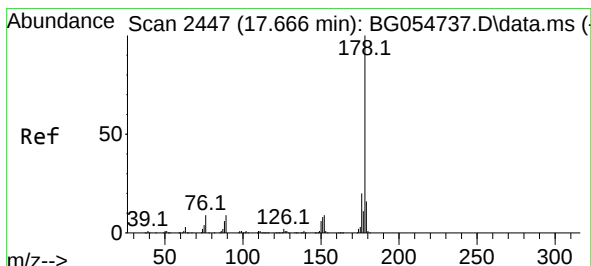
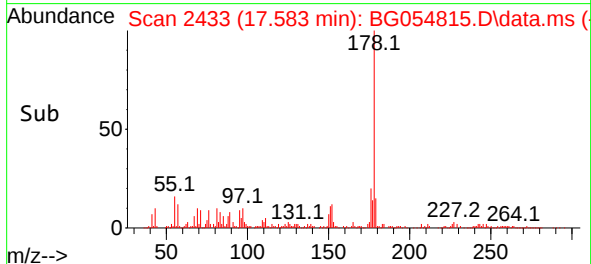
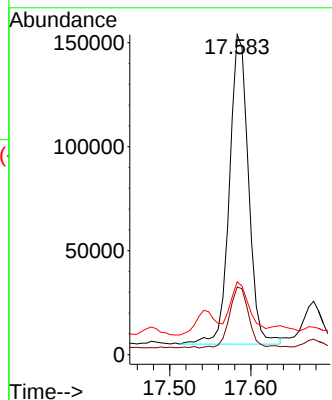
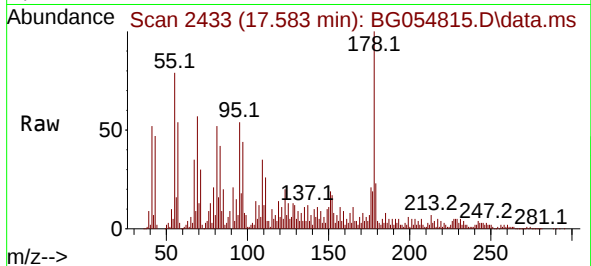




#71
Phenanthrene
Concen: 17.052 ng
RT: 17.583 min Scan# 2432
Delta R.T. 0.005 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

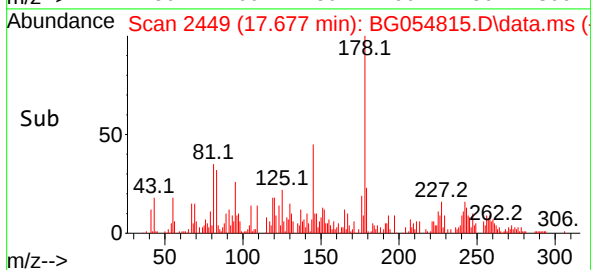
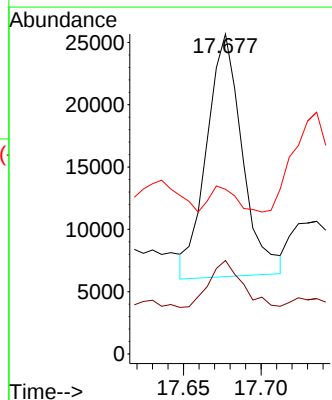
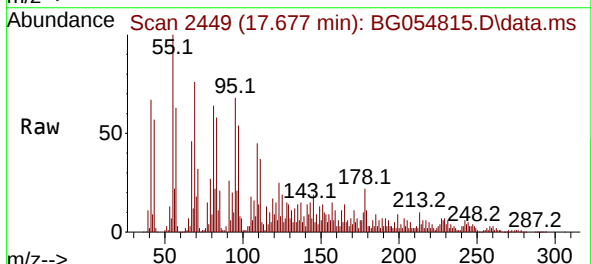
Instrument :
BNA_G
ClientSampleId :
ETGI-344

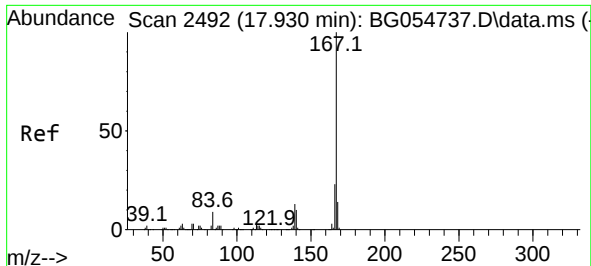
Tgt Ion:178 Resp: 241881
Ion Ratio Lower Upper
178 100
176 21.1 16.6 25.0
179 22.8 12.8 19.2#



#72
Anthracene
Concen: 2.262 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.011 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:178 Resp: 31192
Ion Ratio Lower Upper
178 100
176 29.2 16.2 24.4#
179 51.4 12.9 19.3#

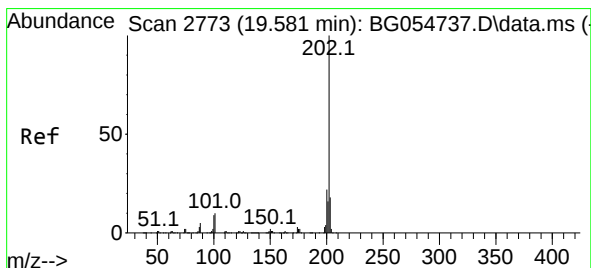
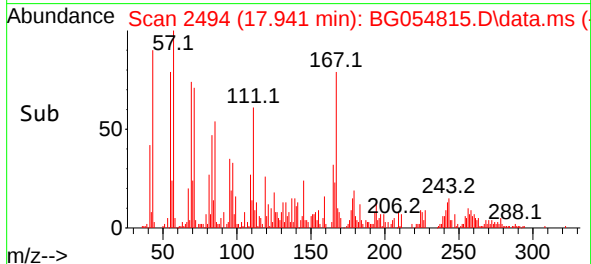
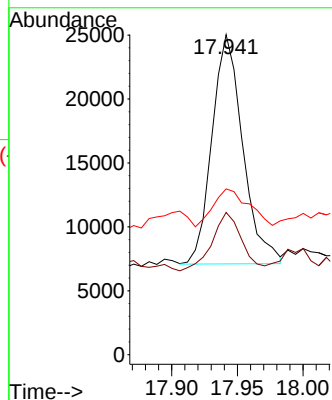
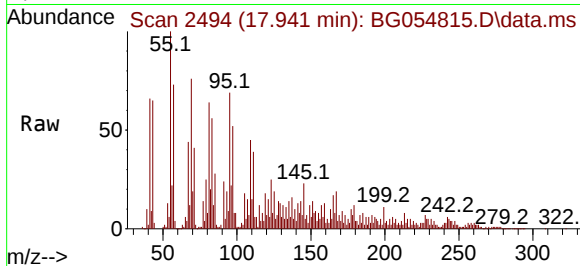




#73
 Carbazole
 Concen: 2.303 ng
 RT: 17.941 min Scan# 2494
 Delta R.T. 0.011 min
 Lab File: BG054815.D
 Acq: 31 Aug 2022 20:55

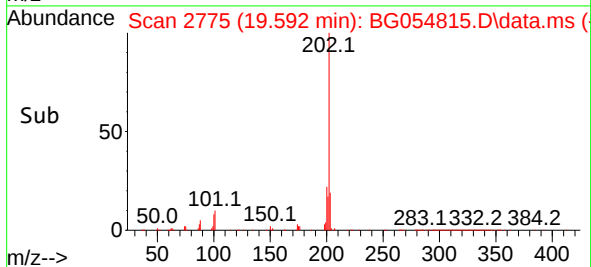
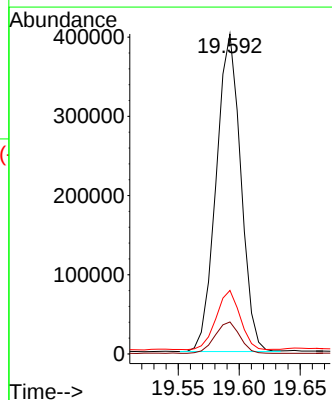
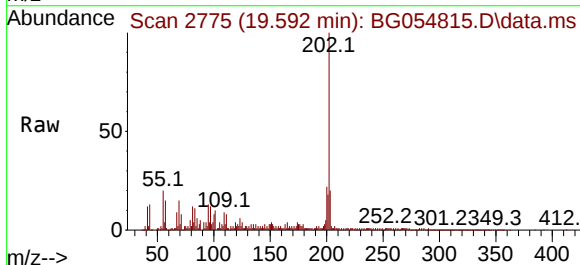
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-344

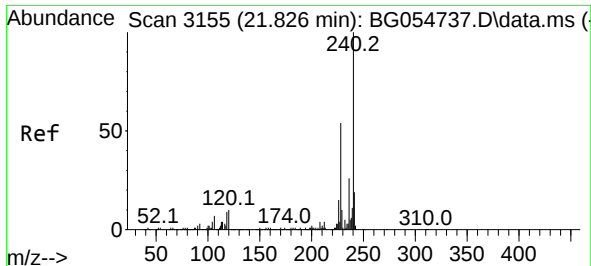
Tgt Ion:167 Resp: 29267
 Ion Ratio Lower Upper
 167 100
 166 44.4 18.8 28.2#
 139 51.8 10.2 15.4#



#75
 Fluoranthene
 Concen: 32.668 ng
 RT: 19.592 min Scan# 2775
 Delta R.T. 0.011 min
 Lab File: BG054815.D
 Acq: 31 Aug 2022 20:55

Tgt Ion:202 Resp: 563720
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.4
 203 19.9 0.0 38.6

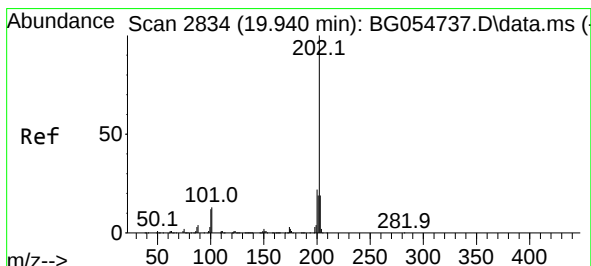
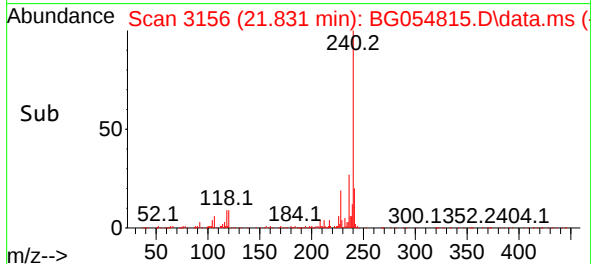
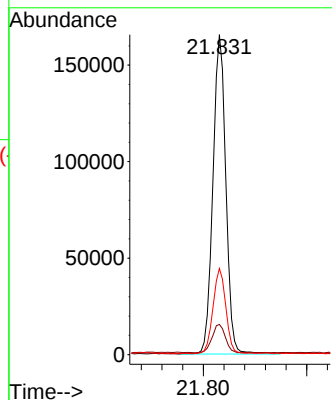
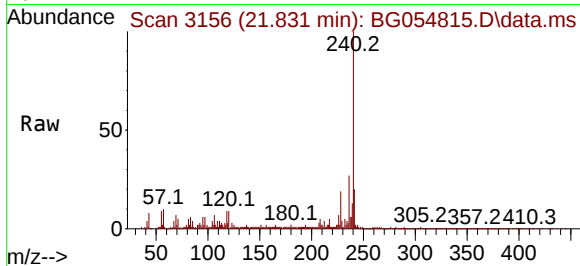




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. 0.005 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

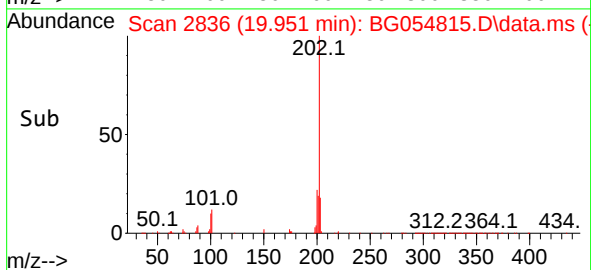
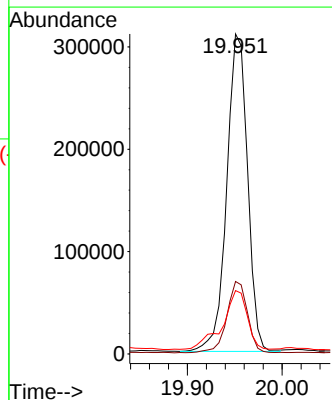
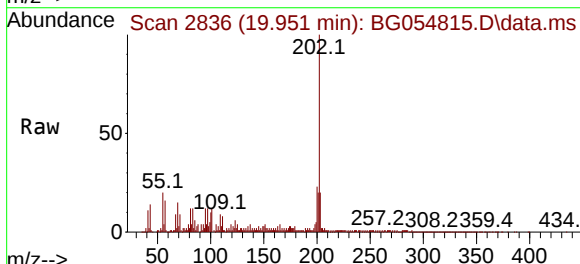
Instrument :
BNA_G
ClientSampleId :
ETGI-344

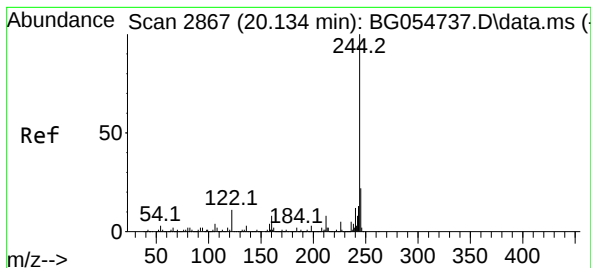
Tgt Ion:240 Resp: 286921
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 27.0 21.2 31.8



#78
Pyrene
Concen: 23.672 ng
RT: 19.951 min Scan# 2836
Delta R.T. 0.011 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:202 Resp: 473610
Ion Ratio Lower Upper
202 100
200 22.7 17.8 26.6
203 19.8 14.6 21.8





#79

Terphenyl-d14

Concen: 3.396 ng

RT: 20.133 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

Instrument :

BNA_G

ClientSampleId :

ETGI-344

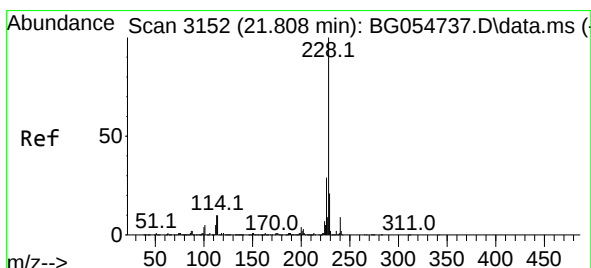
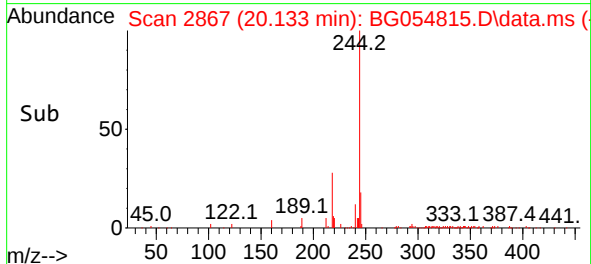
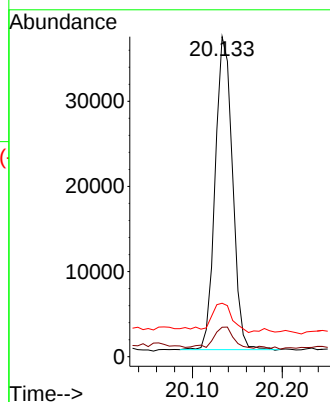
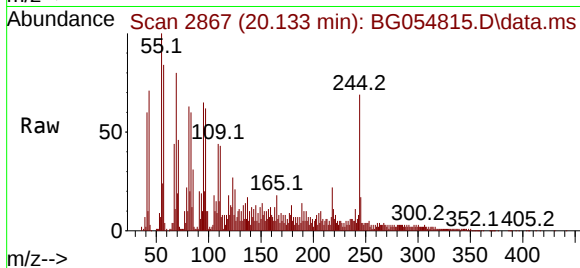
Tgt Ion:244 Resp: 49184

Ion Ratio Lower Upper

244 100

212 9.2 6.2 9.2

122 16.7 9.0 13.6#



#81

Benzo(a)anthracene

Concen: 11.324 ng

RT: 21.813 min Scan# 3153

Delta R.T. 0.005 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

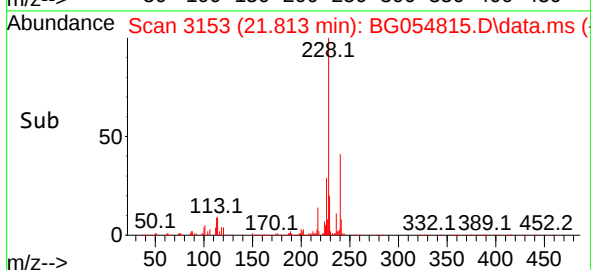
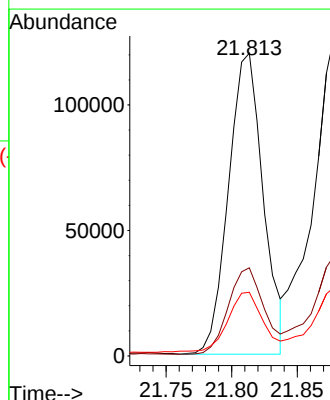
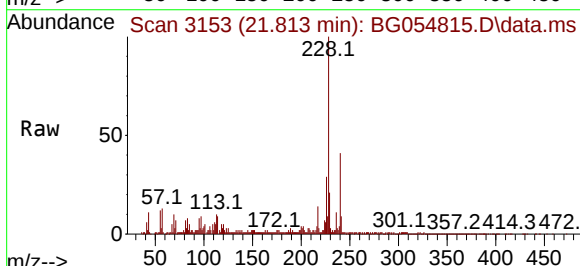
Tgt Ion:228 Resp: 220297

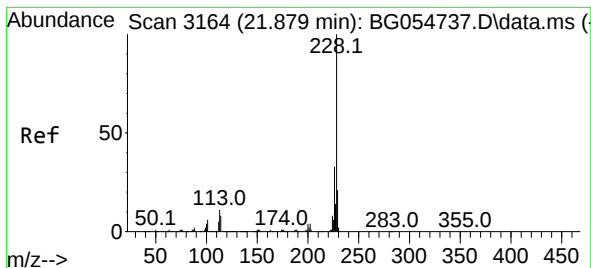
Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

229 21.1 16.5 24.7





#83

Chrysene

Concen: 13.678 ng

RT: 21.878 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

Instrument :

BNA_G

ClientSampleId :

ETGI-344

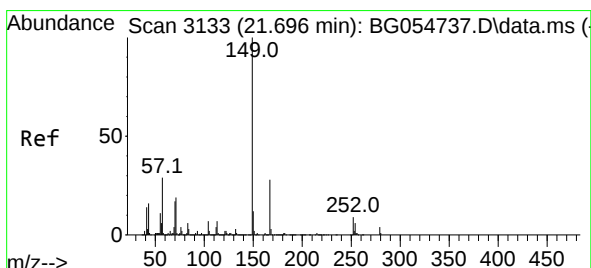
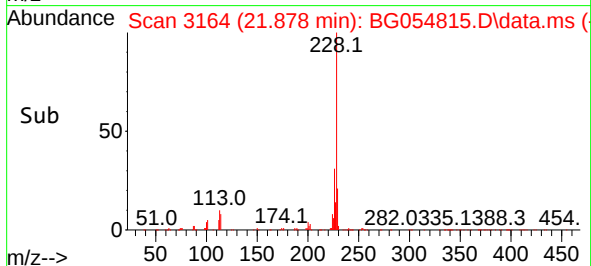
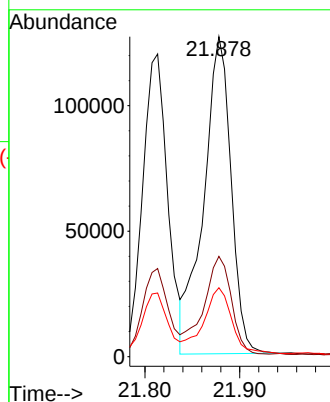
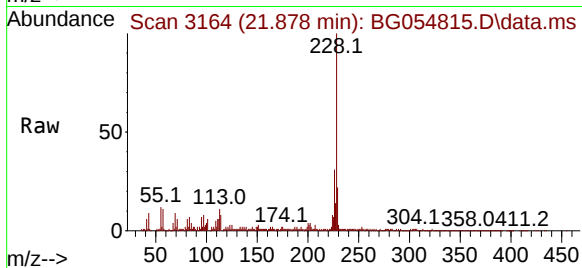
Tgt Ion:228 Resp: 254418

Ion Ratio Lower Upper

228 100

226 31.4 25.5 38.3

229 21.5 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.364 ng

RT: 21.690 min Scan# 3132

Delta R.T. -0.006 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

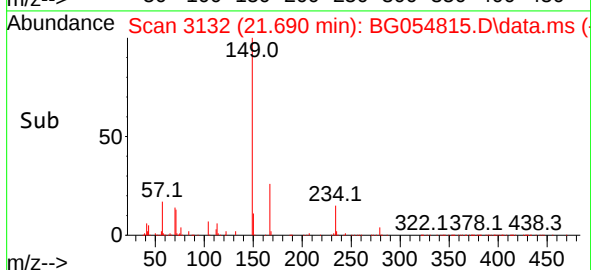
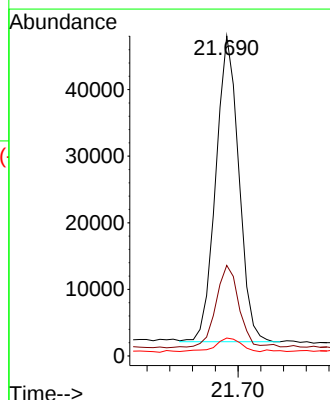
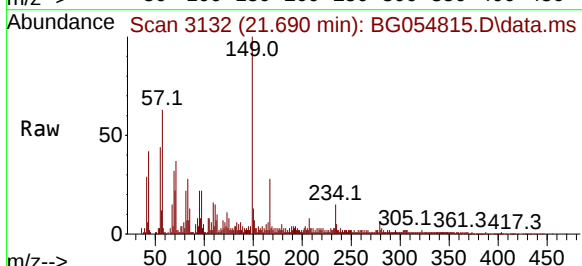
Tgt Ion:149 Resp: 64498

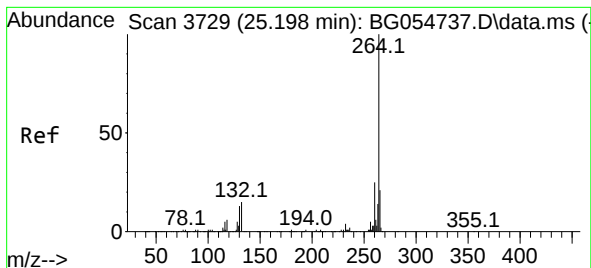
Ion Ratio Lower Upper

149 100

167 28.3 21.4 32.0

279 5.6 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.209 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

Instrument :

BNA_G

ClientSampleId :

ETGI-344

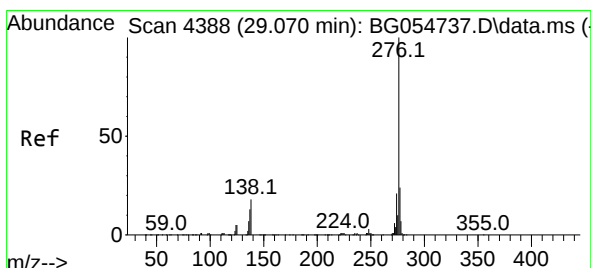
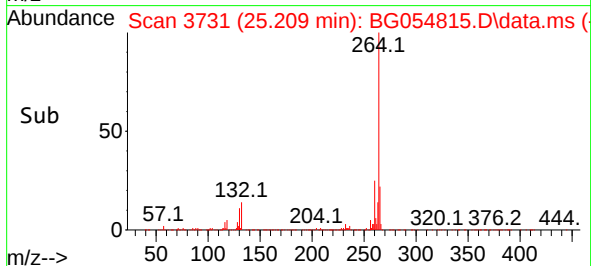
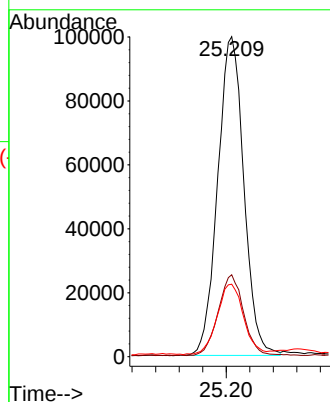
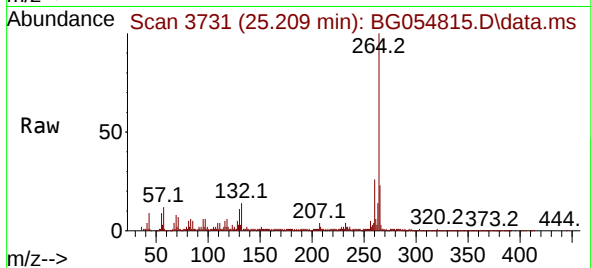
Tgt Ion:264 Resp: 307119

Ion Ratio Lower Upper

264 100

260 25.6 19.9 29.9

265 22.7 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.895 ng

RT: 29.093 min Scan# 4392

Delta R.T. 0.023 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

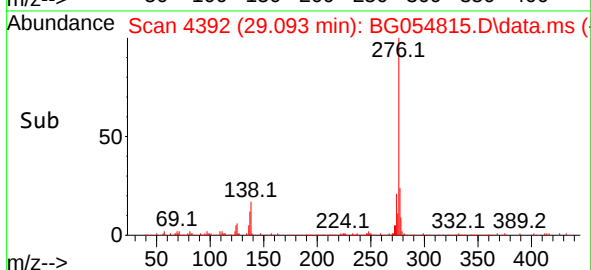
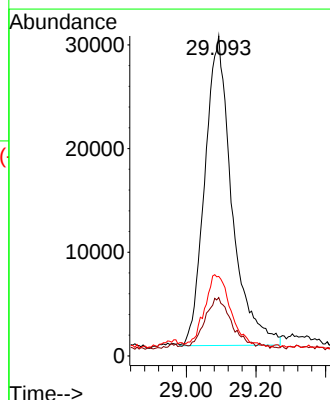
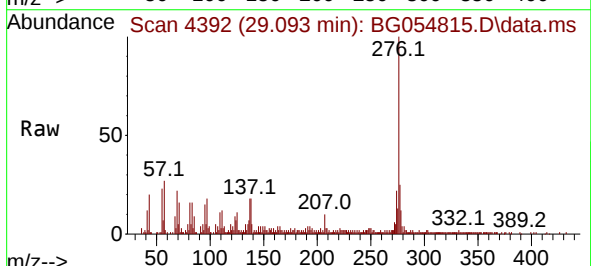
Tgt Ion:276 Resp: 160760

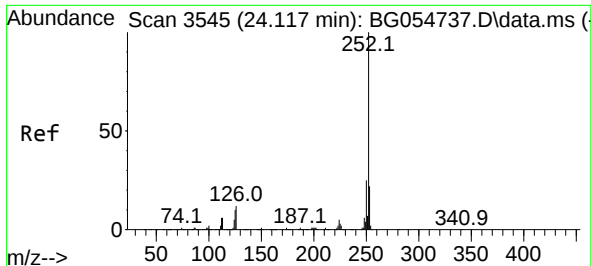
Ion Ratio Lower Upper

276 100

138 15.3 12.0 18.0

277 23.0 20.2 30.4

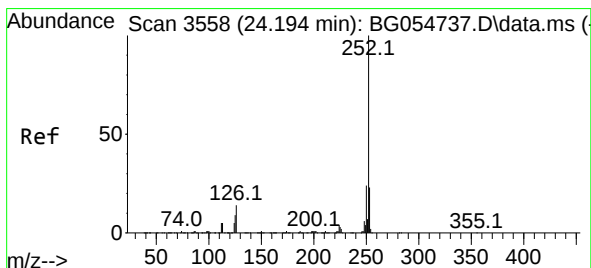
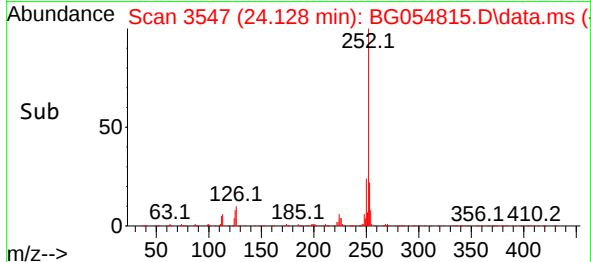
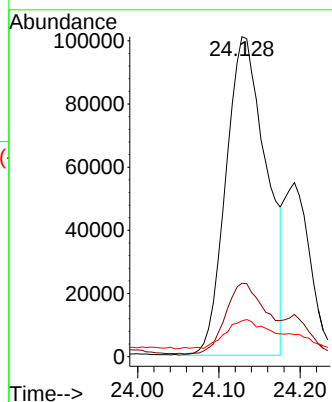
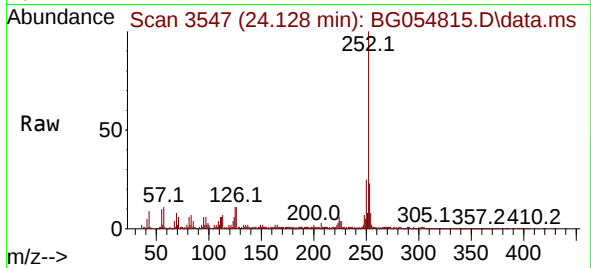




#88
Benzo(b)fluoranthene
Concen: 18.183 ng
RT: 24.128 min Scan# 3547
Delta R.T. 0.011 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

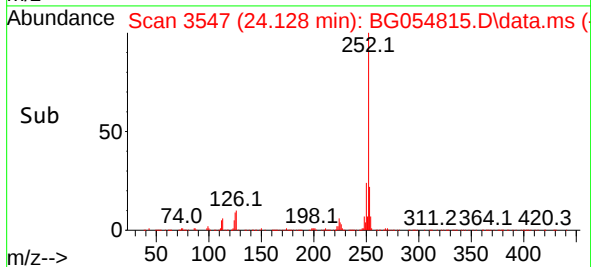
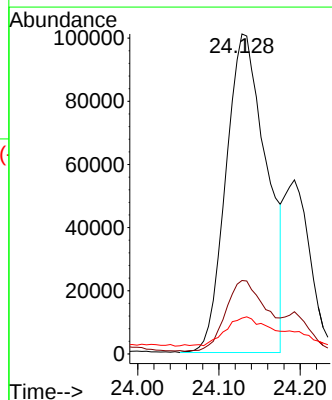
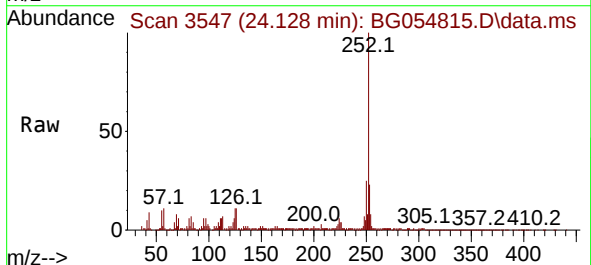
Instrument :
BNA_G
ClientSampleId :
ETGI-344

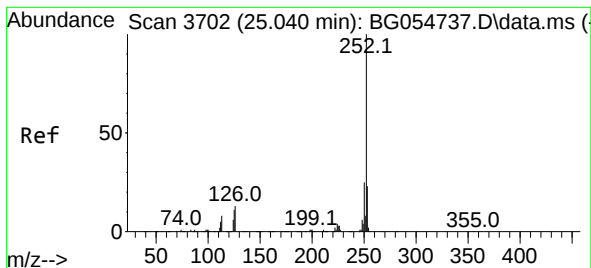
Tgt Ion:252 Resp: 350303
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.2 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 18.067 ng
RT: 24.128 min Scan# 3547
Delta R.T. -0.065 min
Lab File: BG054815.D
Acq: 31 Aug 2022 20:55

Tgt Ion:252 Resp: 350303
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.2 8.2 12.4





#90

Benzo(a)pyrene

Concen: 12.310 ng

RT: 25.045 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

Instrument :

BNA_G

ClientSampleId :

ETGI-344

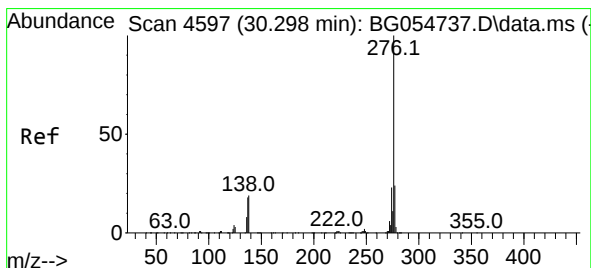
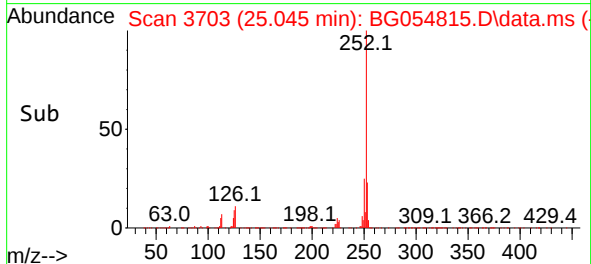
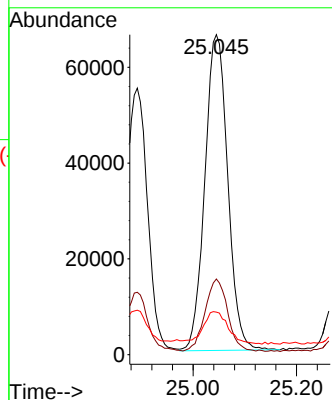
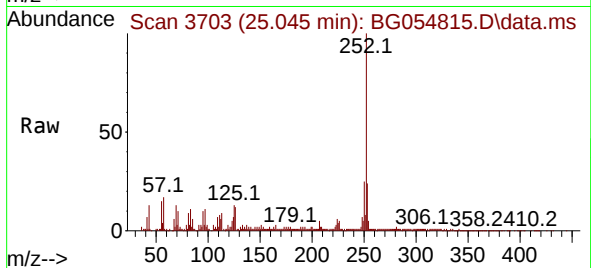
Tgt Ion:252 Resp: 202620

Ion Ratio Lower Upper

252 100

253 23.6 18.3 27.5

125 13.3 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 8.232 ng

RT: 30.303 min Scan# 4598

Delta R.T. 0.005 min

Lab File: BG054815.D

Acq: 31 Aug 2022 20:55

Tgt Ion:276 Resp: 157959

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 17.9 16.6 25.0

