

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134256.D
 Acq On : 12 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03555-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289

Quant Time: Jul 12 23:24:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

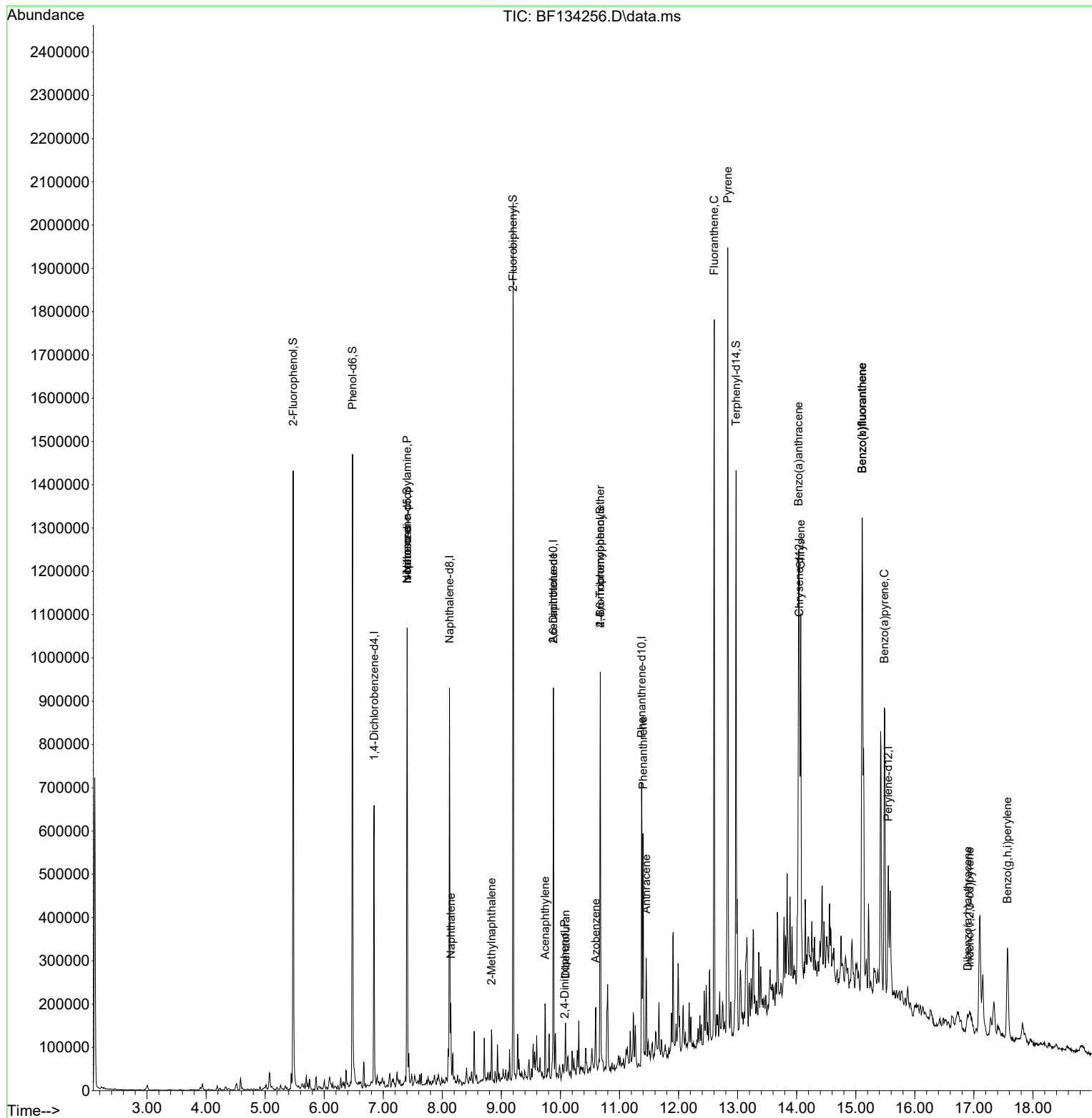
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	90481	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	347972	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	158128	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	241336	20.000	ng	0.00
76) Chrysene-d12	14.045	240	165994	20.000	ng	0.00
86) Perylene-d12	15.551	264	147983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	343067	63.425	ng	0.00
7) Phenol-d6	6.481	99	418105	62.853	ng	0.00
23) Nitrobenzene-d5	7.404	82	287386	44.520	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	101794	51.343	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	559404	51.434	ng	0.00
79) Terphenyl-d14	12.974	244	418401	40.567	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	1913	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	7.404	70	42139	9.989 ng	#	76
25) Isophorone	7.404	82	287386	24.496 ng	#	64
31) Naphthalene	8.145	128	67776	4.032 ng		100
37) 2-Methylnaphthalene	8.834	142	31845	2.679 ng		98
49) Acenaphthylene	9.739	152	64789	4.087 ng		100
51) 2,6-Dinitrotoluene	9.880	165	22555	9.123 ng	#	23
54) 2,4-Dinitrophenol	10.075	184	67	3.908 ng	#	1
55) Dibenzofuran	10.086	168	32835	2.284 ng	#	95
63) Azobenzene	10.598	77	22628	2.000 ng	#	1
67) 4-Bromophenyl-phenylether	10.675	248	6555	2.555 ng	#	1
71) Phenanthrene	11.398	178	194510	16.010 ng		98
72) Anthracene	11.451	178	83887	6.638 ng		100
75) Fluoranthene	12.604	202	639740	48.707 ng		98
78) Pyrene	12.833	202	762682	49.371 ng		100
81) Benzo(a)anthracene	14.033	228	358738	31.162 ng		95
83) Chrysene	14.068	228	388711	34.862 ng		96
87) Indeno(1,2,3-cd)pyrene	16.927	276	36258	3.531 ng		93
88) Benzo(b)fluoranthene	15.110	252	851213	97.824 ng		99
89) Benzo(k)fluoranthene	15.110	252	851213	96.079 ng		98
90) Benzo(a)pyrene	15.486	252	339520	40.351 ng		97
91) Dibenzo(a,h)anthracene	16.898	278	32617	3.889 ng		94
92) Benzo(g,h,i)perylene	17.568	276	190856	22.066 ng		99

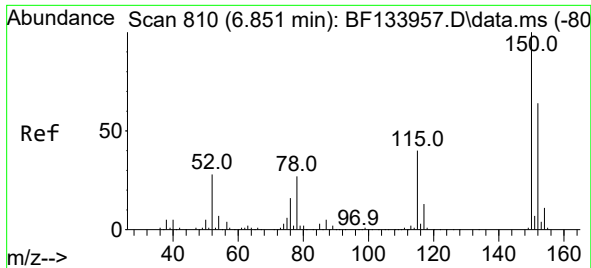
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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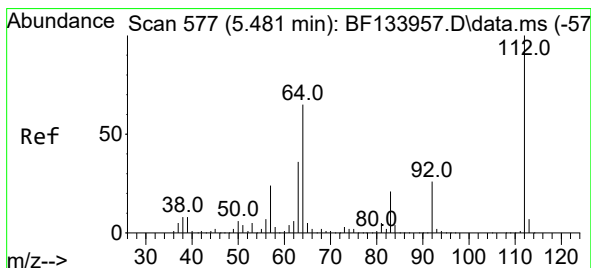
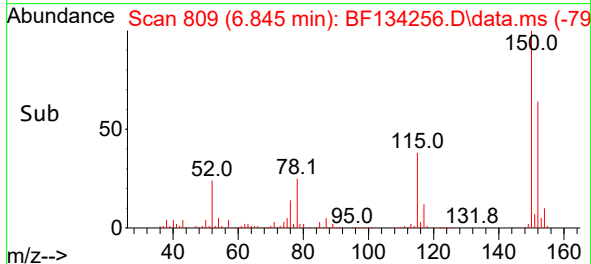
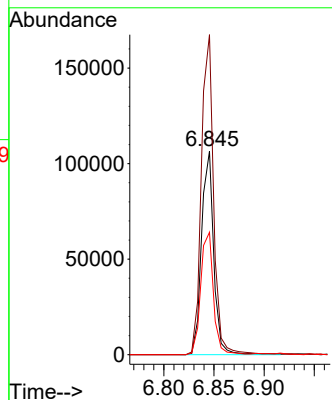
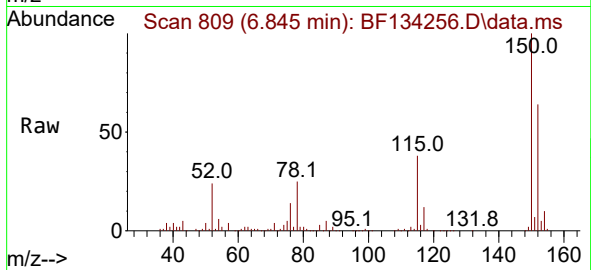




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

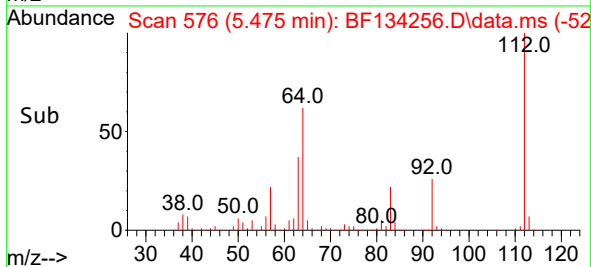
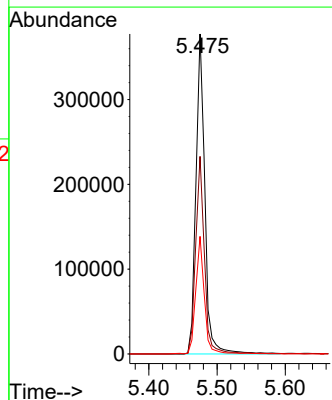
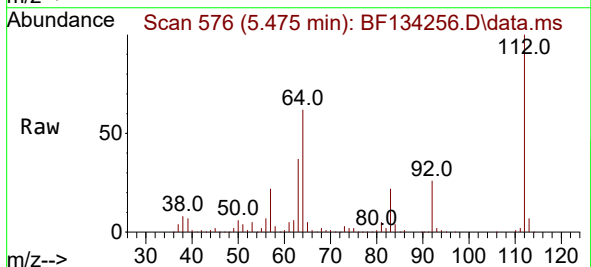
Instrument :
BNA_F
ClientSampleId :
ETGI-289

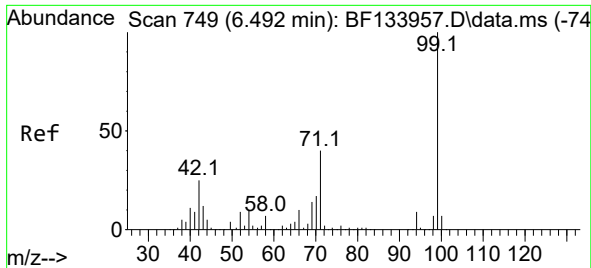
Tgt Ion:152 Resp: 90481
Ion Ratio Lower Upper
152 100
150 157.3 124.5 186.7
115 60.2 50.2 75.2



#5
2-Fluorophenol
Concen: 63.425 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:112 Resp: 343067
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 36.8 28.6 42.8

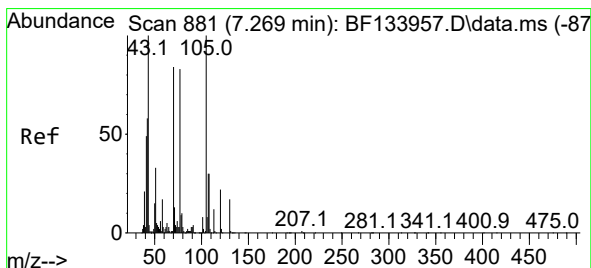
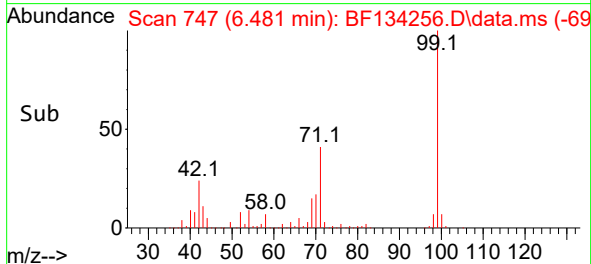
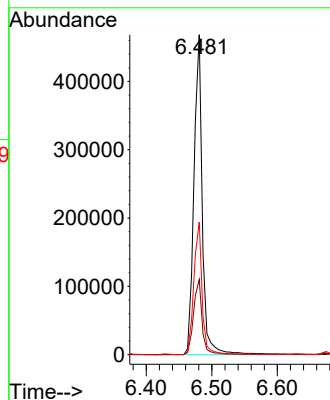
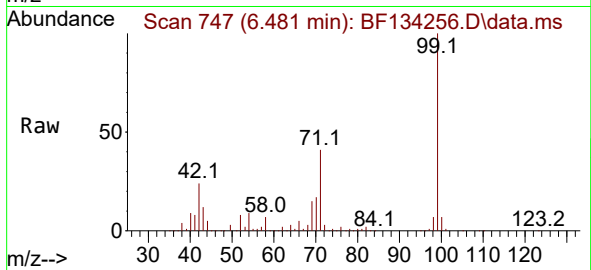




#7
Phenol-d6
Concen: 62.853 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

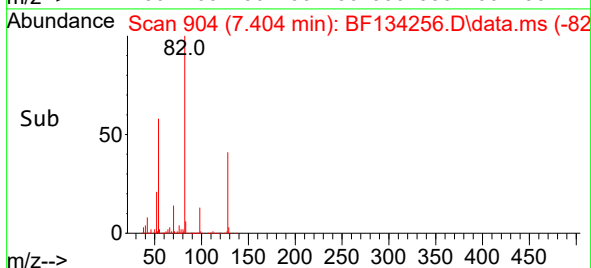
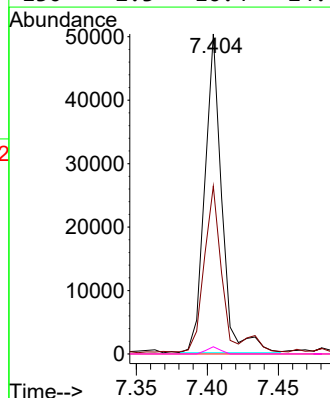
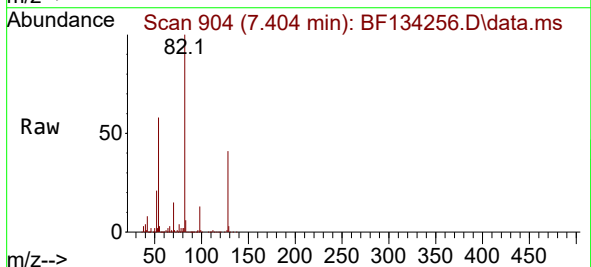
Instrument :
BNA_F
ClientSampleId :
ETGI-289

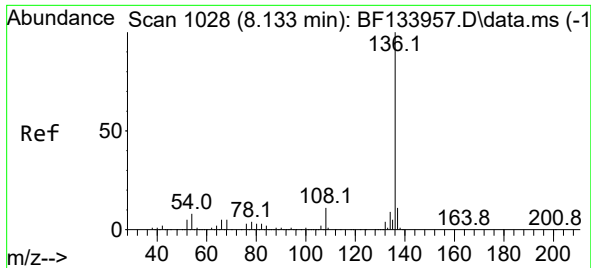
Tgt Ion: 99 Resp: 418105
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 41.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.989 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion: 70 Resp: 42139
Ion Ratio Lower Upper
70 100
42 52.5 54.7 82.1#
101 0.0 7.7 11.5#
130 2.3 16.4 24.6#

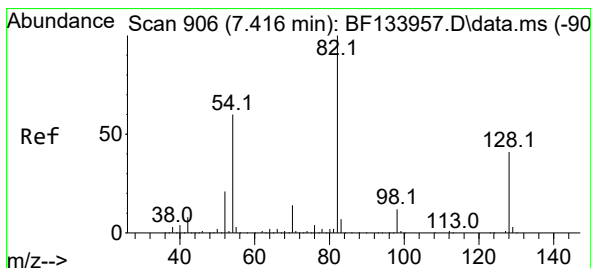
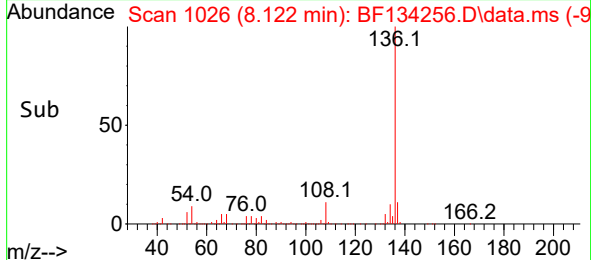
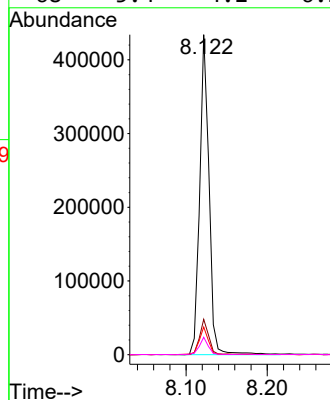
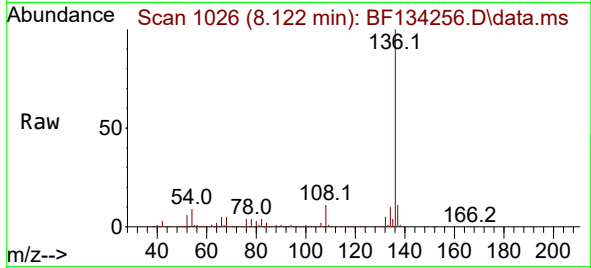




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

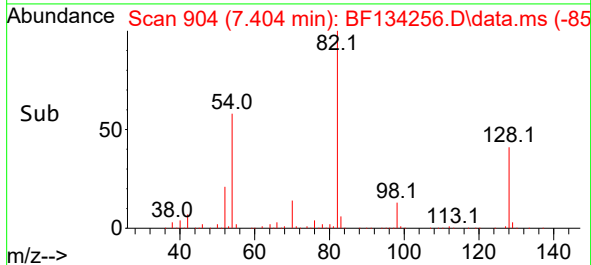
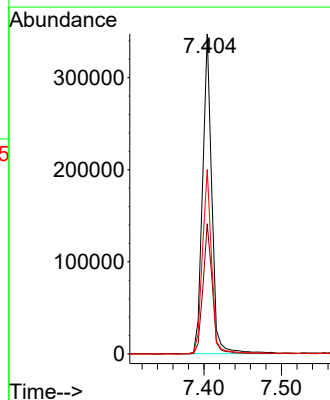
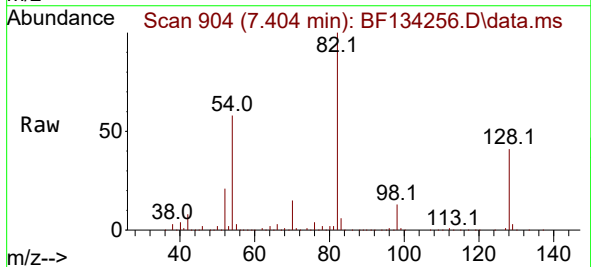
Instrument :
BNA_F
ClientSampleId :
ETGI-289

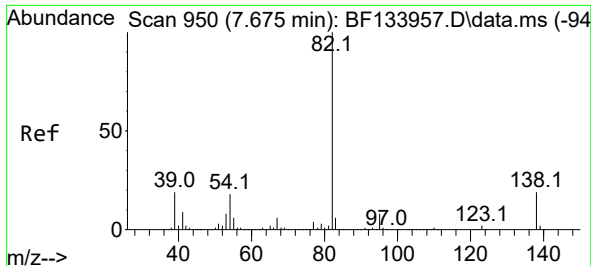
Tgt Ion:136 Resp: 347972
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.7 6.5 9.7
68 5.4 4.2 6.2



#23
Nitrobenzene-d5
Concen: 44.520 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion: 82 Resp: 287386
Ion Ratio Lower Upper
82 100
128 40.7 32.5 48.7
54 57.7 48.2 72.2

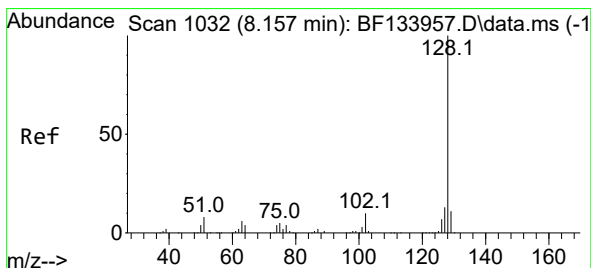
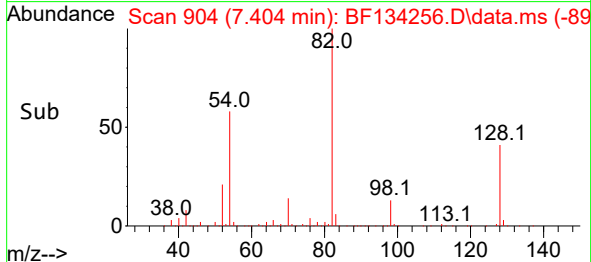
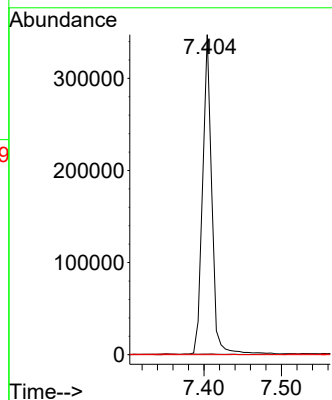
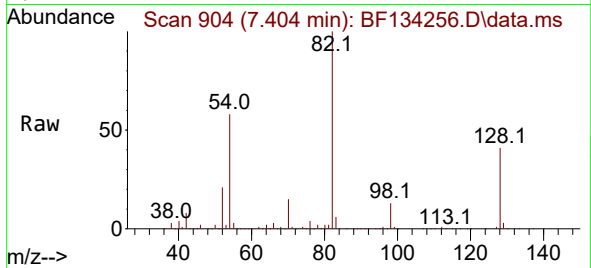




#25
Isophorone
Concen: 24.496 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

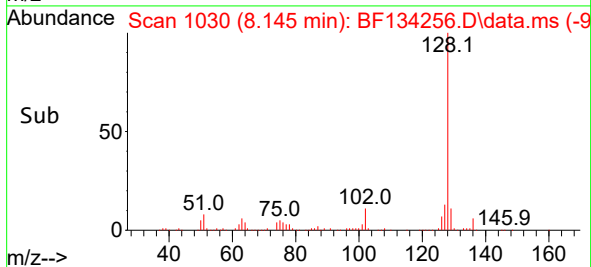
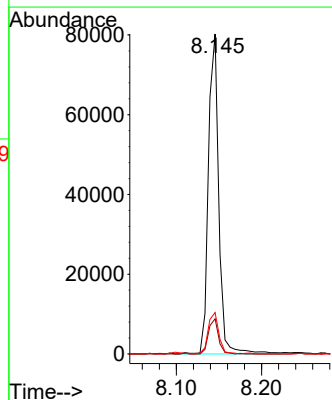
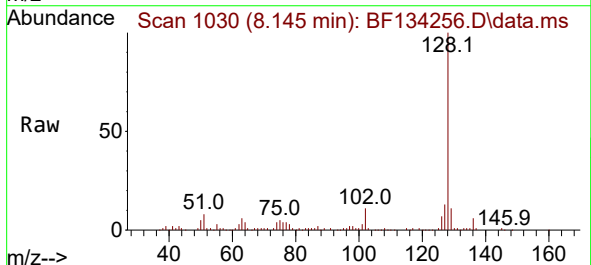
Instrument :
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ETGI-289

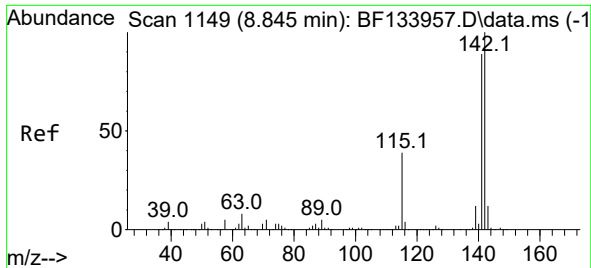
Tgt Ion: 82 Resp: 287386
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 4.032 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion: 128 Resp: 67776
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.6 15.8

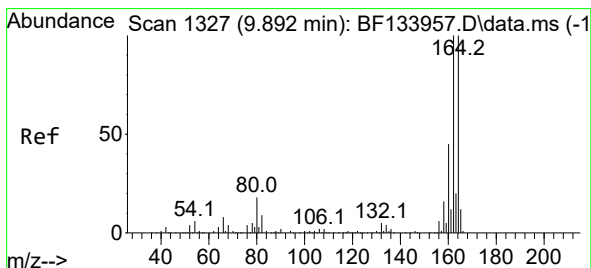
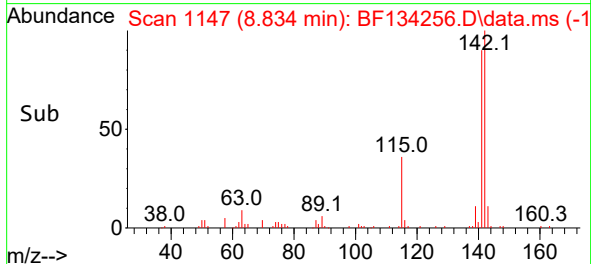
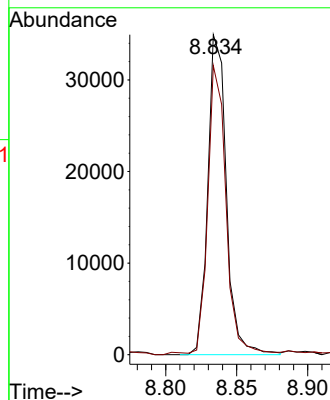
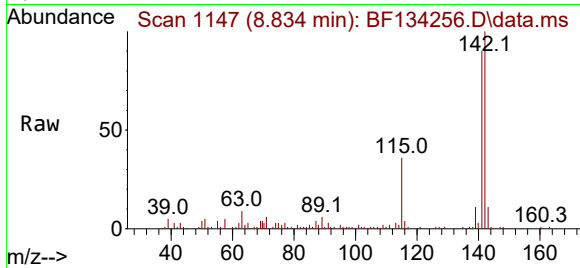




#37
2-Methylnaphthalene
Concen: 2.679 ng
RT: 8.834 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

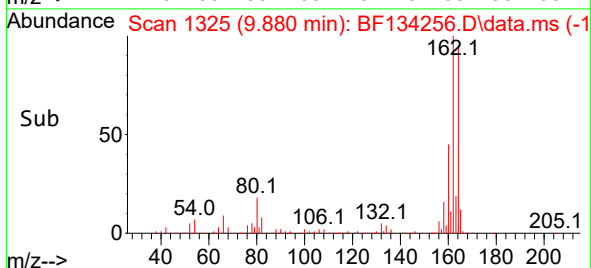
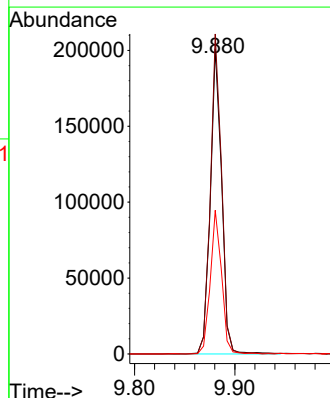
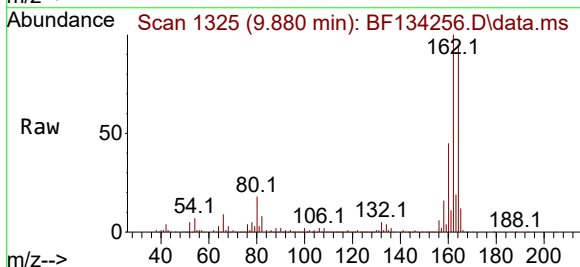
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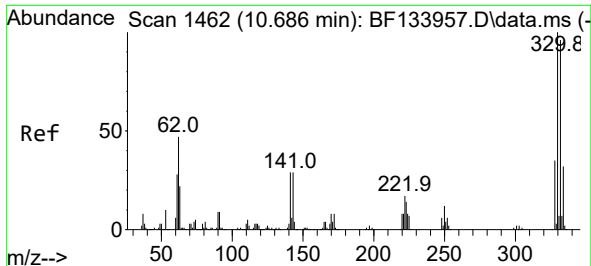
Tgt Ion:142 Resp: 31845
Ion Ratio Lower Upper
142 100
141 90.3 71.0 106.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:164 Resp: 158128
Ion Ratio Lower Upper
164 100
162 104.8 80.0 120.0
160 47.0 35.9 53.9

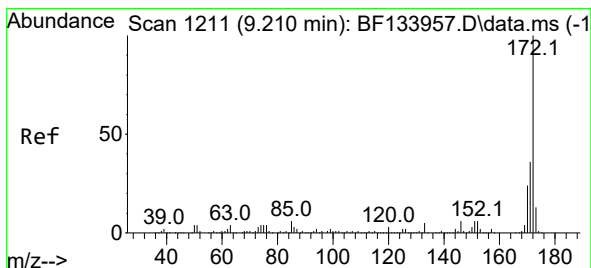
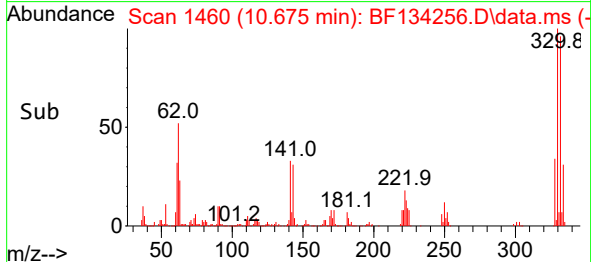
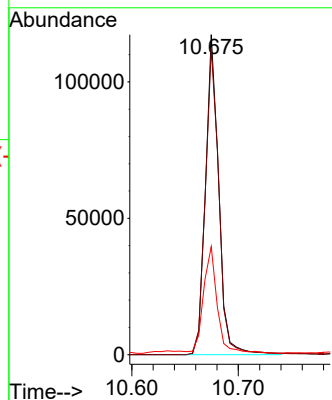
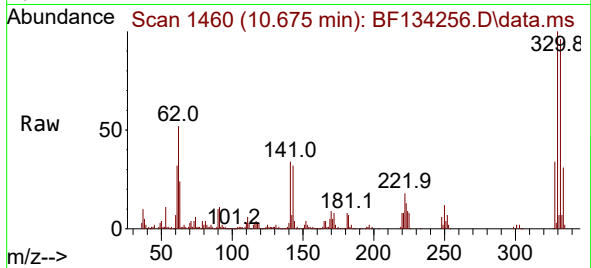




#42
2,4,6-Tribromophenol
Concen: 51.343 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

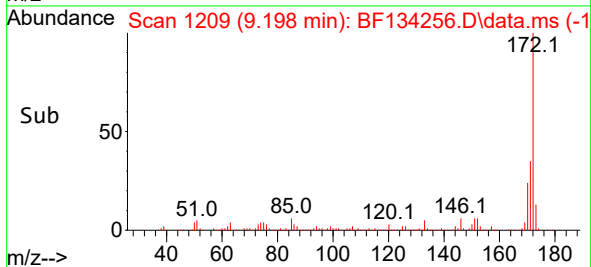
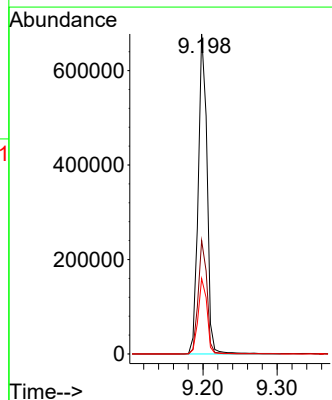
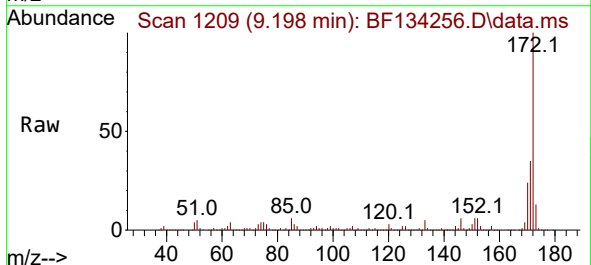
Instrument :
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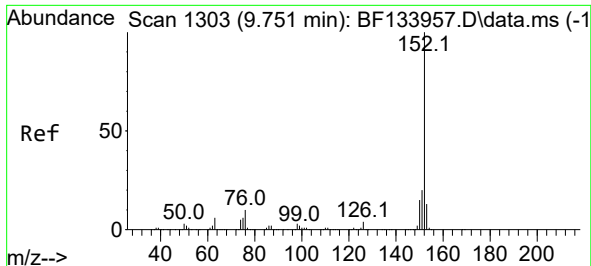
Tgt Ion:330 Resp: 101794
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 35.4 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 51.434 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:172 Resp: 559404
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.4 29.0





#49

Acenaphthylene

Concen: 4.087 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

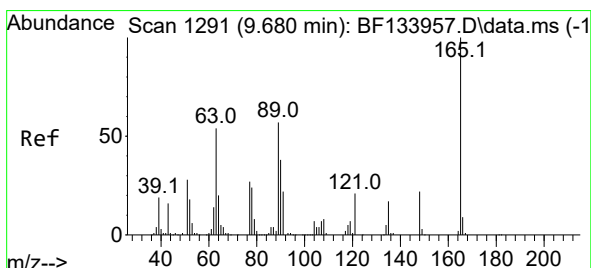
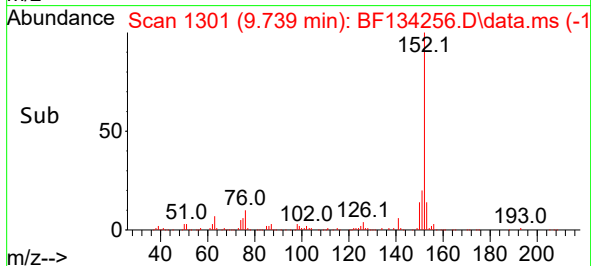
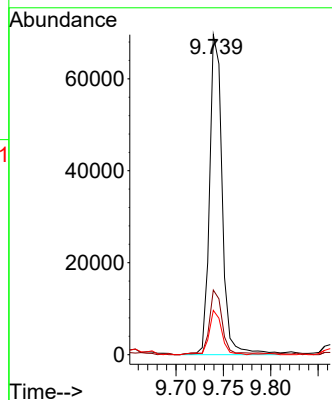
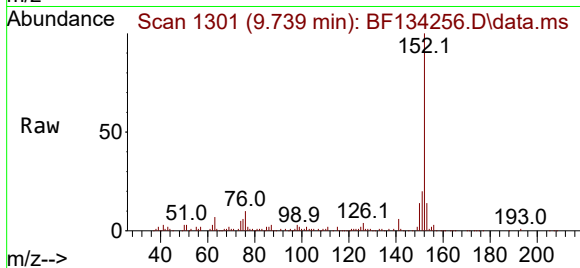
Tgt Ion:152 Resp: 64789

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.8 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 9.123 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

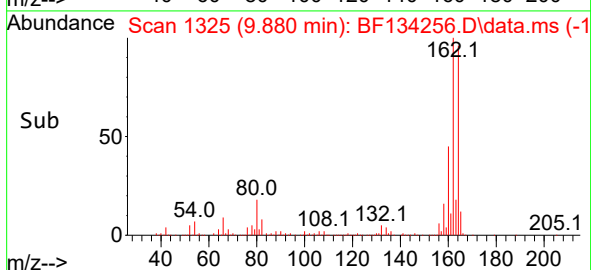
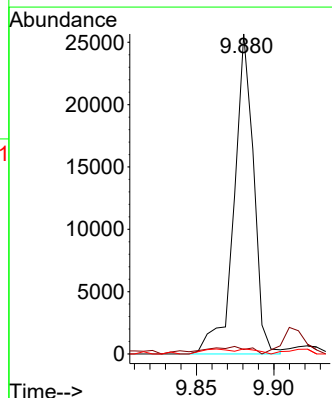
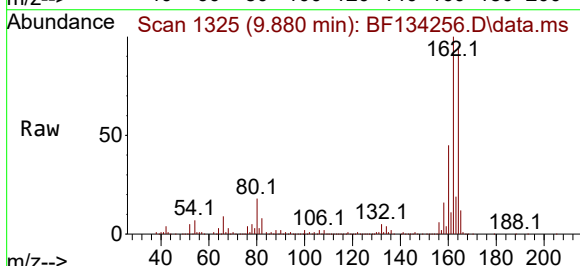
Tgt Ion:165 Resp: 22555

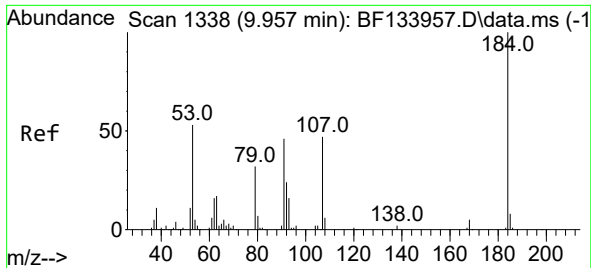
Ion Ratio Lower Upper

165 100

63 1.4 48.5 72.7#

89 1.6 45.5 68.3#

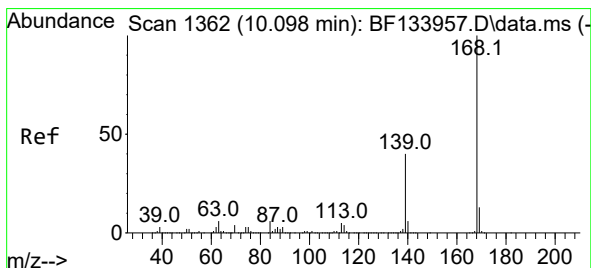
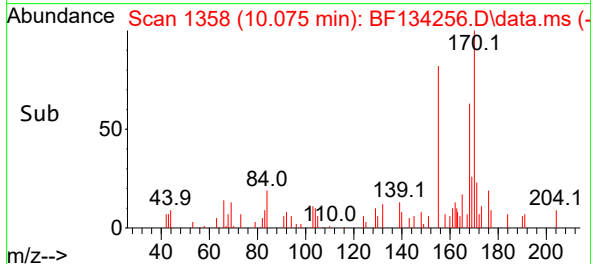
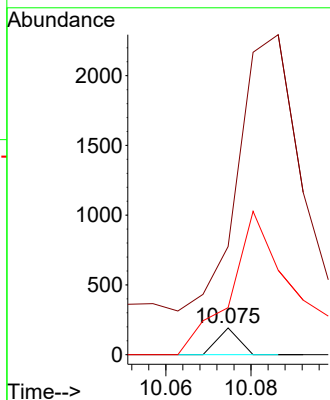
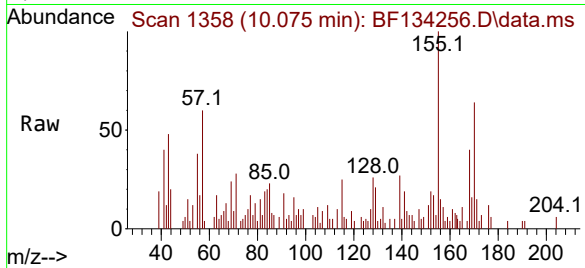




#54
2,4-Dinitrophenol
Concen: 3.908 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.118 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

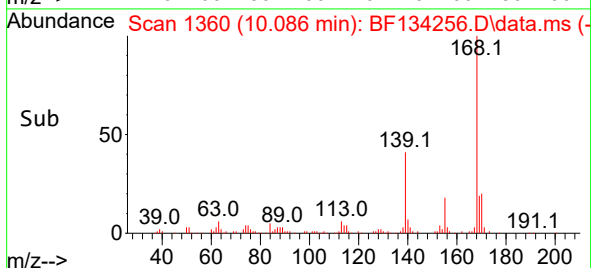
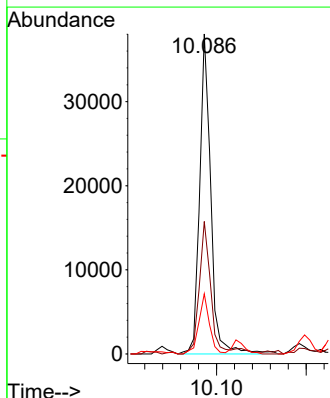
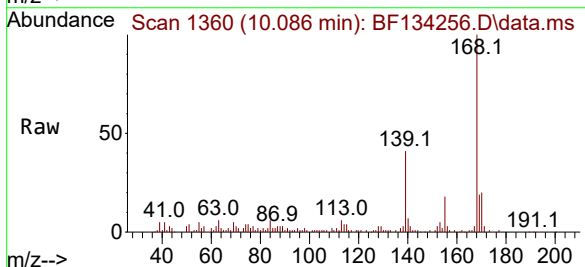
Instrument :
BNA_F
ClientSampleId :
ETGI-289

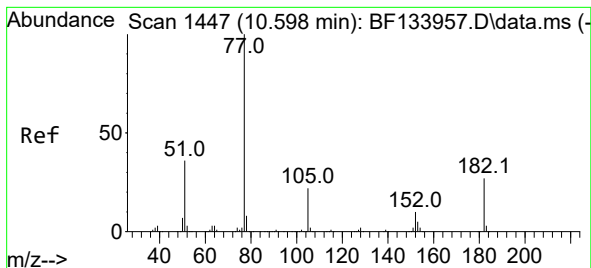
Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 405.8 56.9 85.3#
154 176.4 55.4 83.0#



#55
Dibenzofuran
Concen: 2.284 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:168 Resp: 32835
Ion Ratio Lower Upper
168 100
139 41.4 32.0 48.0
169 18.8 10.6 16.0#





#63

Azobenzene

Concen: 2.000 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

Tgt Ion: 77 Resp: 22628

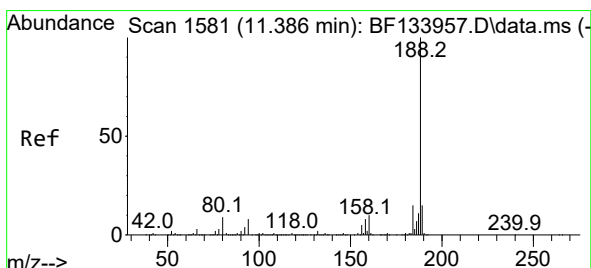
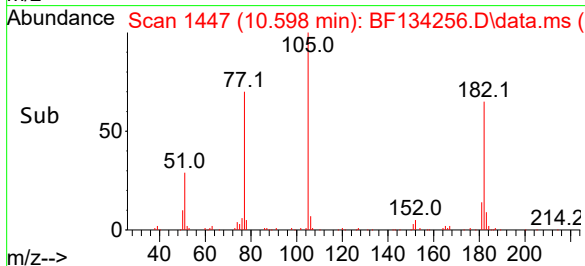
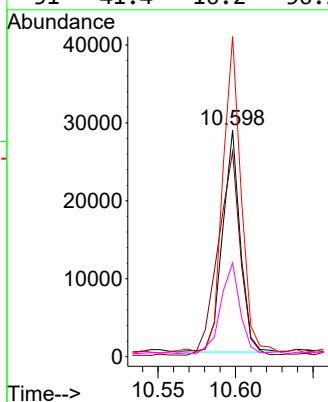
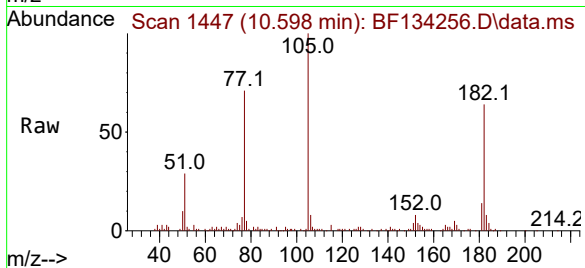
Ion Ratio Lower Upper

77 100

182 90.4 6.8 46.8#

105 141.1 2.3 42.3#

51 41.4 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

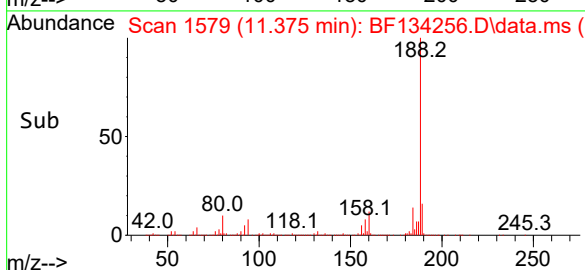
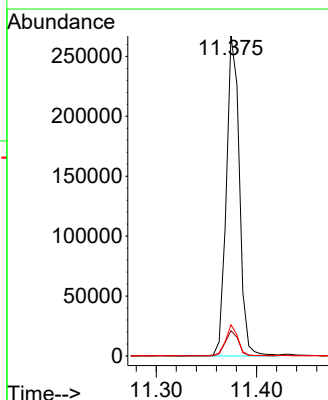
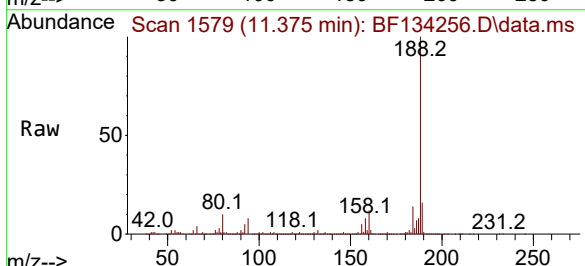
Tgt Ion: 188 Resp: 241336

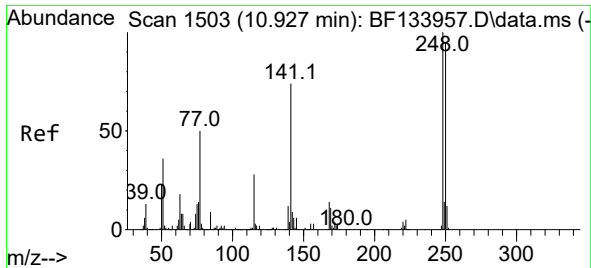
Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 9.7 7.3 10.9

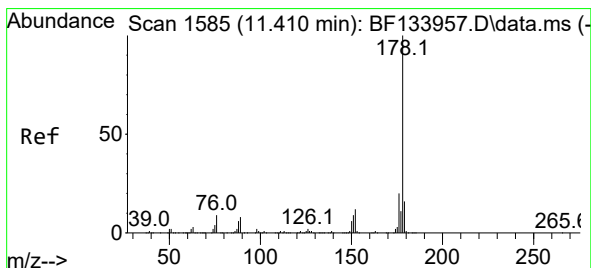
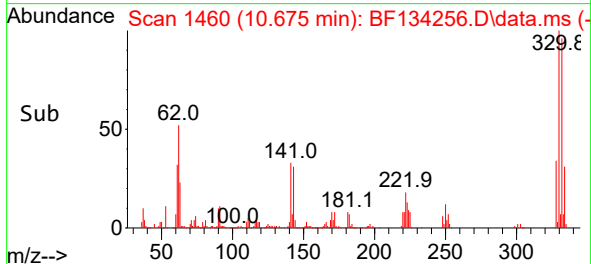
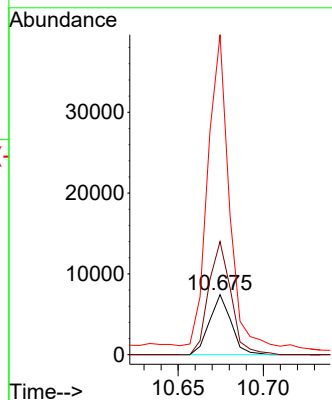
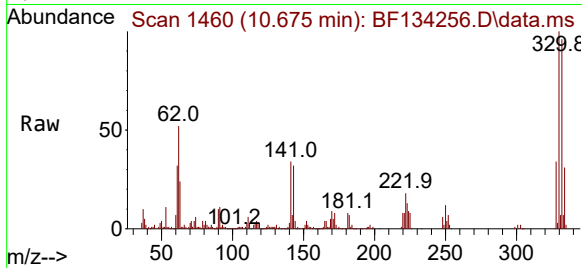




#67
4-Bromophenyl-phenylether
Concen: 2.555 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

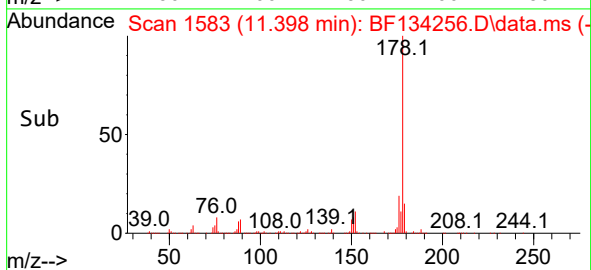
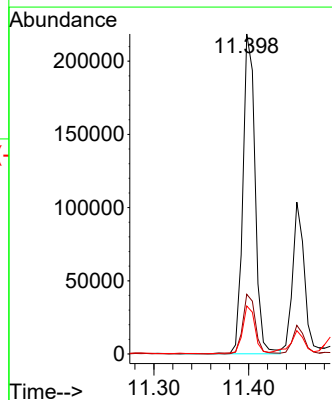
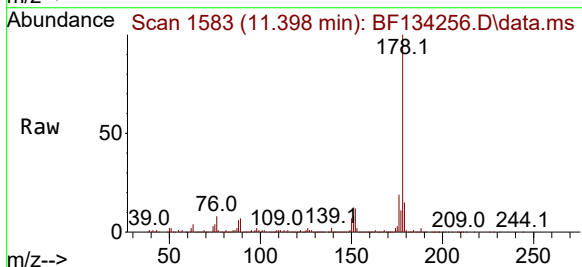
Instrument :
BNA_F
ClientSampleId :
ETGI-289

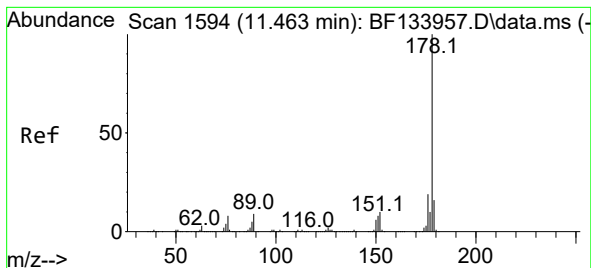
Tgt Ion:248 Resp: 6555
Ion Ratio Lower Upper
248 100
250 188.4 76.2 114.4#
141 533.2 59.0 88.4#



#71
Phenanthrene
Concen: 16.010 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:178 Resp: 194510
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.0 12.4 18.6





#72

Anthracene

Concen: 6.638 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

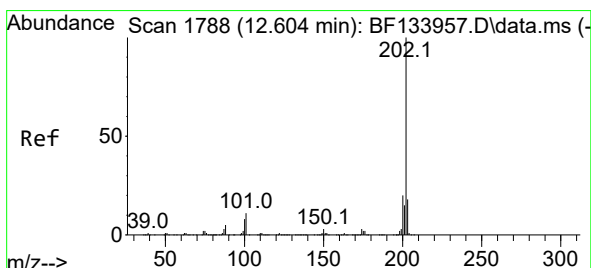
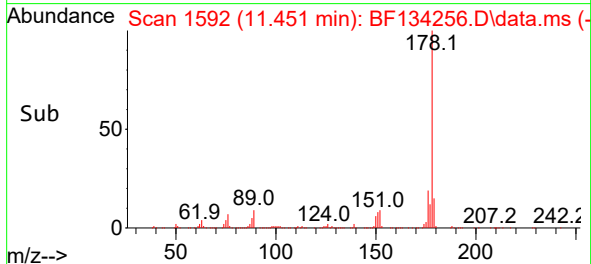
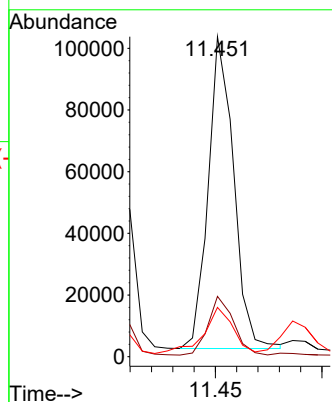
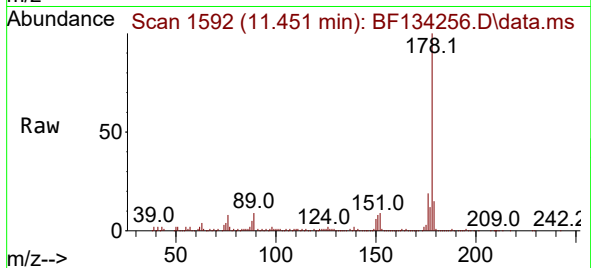
Tgt Ion:178 Resp: 83887

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.4 12.4 18.6



#75

Fluoranthene

Concen: 48.707 ng

RT: 12.604 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

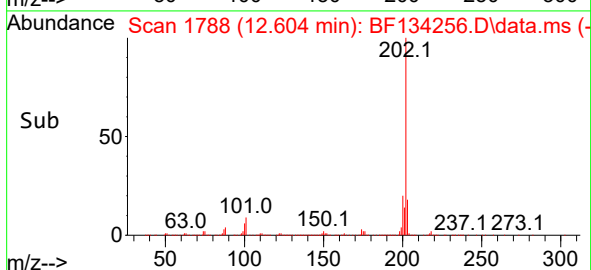
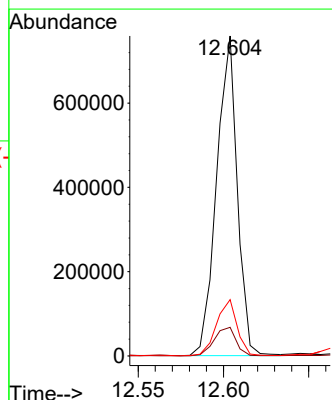
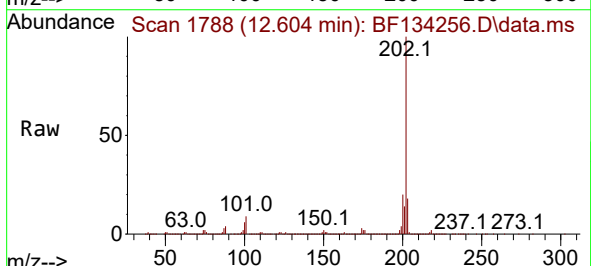
Tgt Ion:202 Resp: 639740

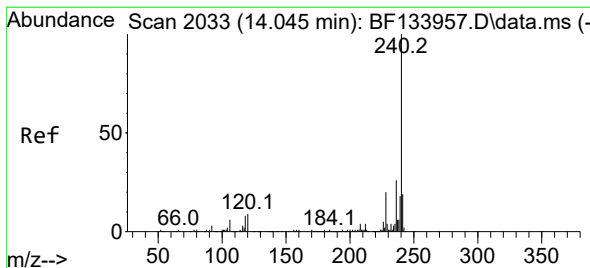
Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.0

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

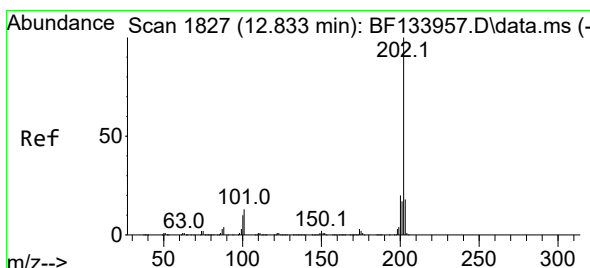
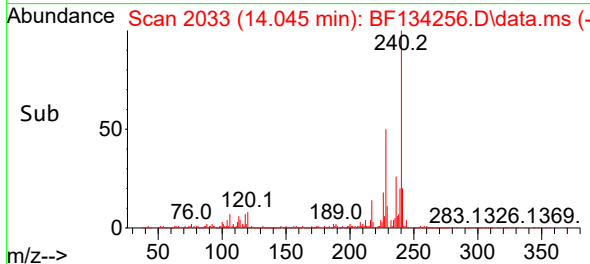
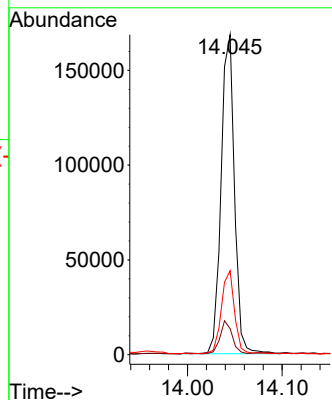
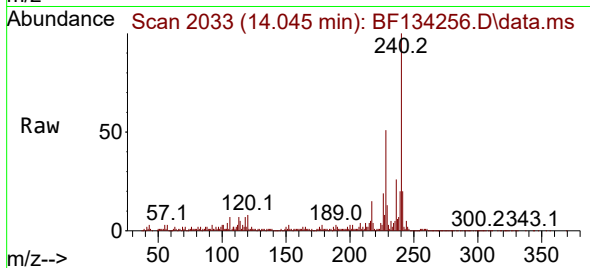
Tgt Ion:240 Resp: 165994

Ion Ratio Lower Upper

240 100

120 8.2 7.4 11.0

236 26.2 21.0 31.6



#78

Pyrene

Concen: 49.371 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

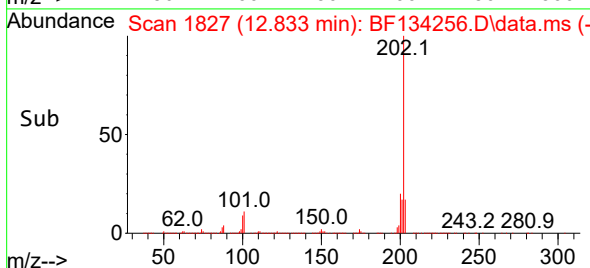
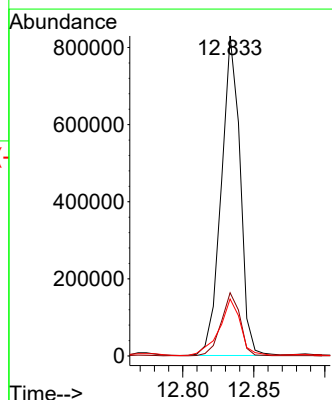
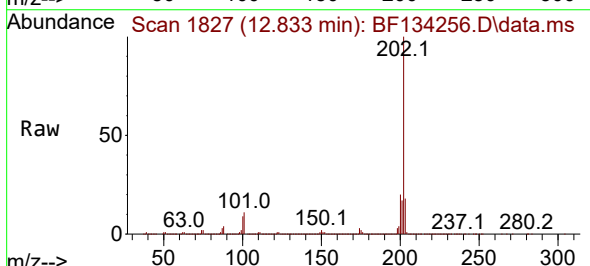
Tgt Ion:202 Resp: 762682

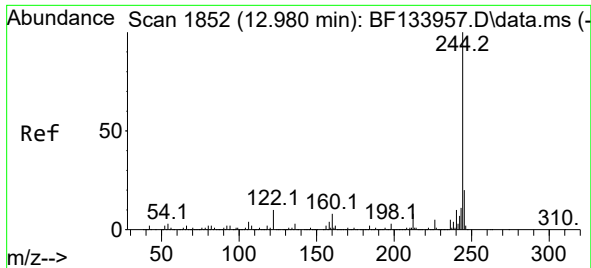
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.8 14.3 21.5

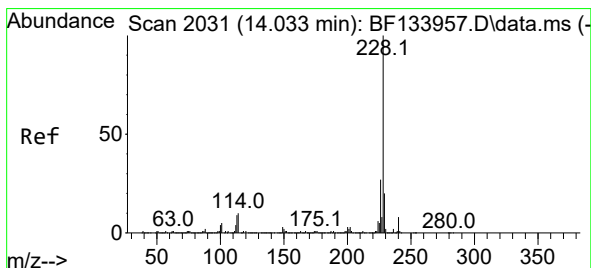
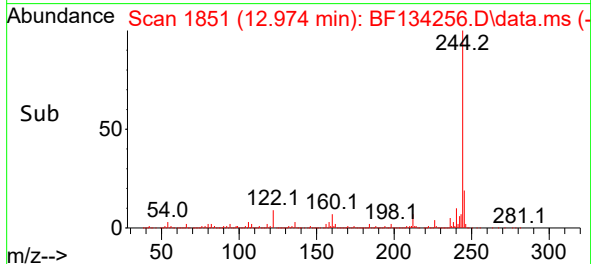
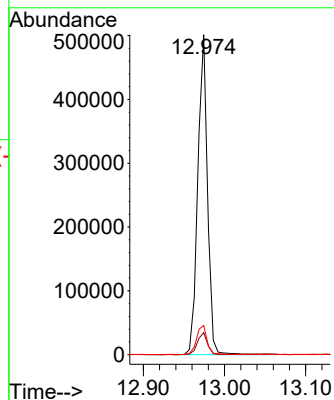
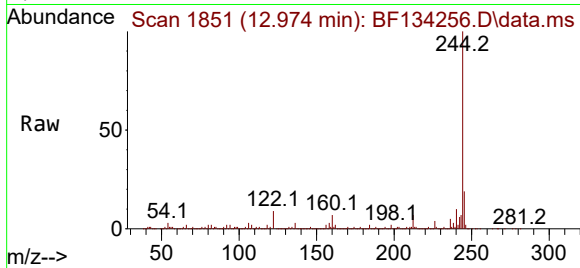




#79
 Terphenyl-d14
 Concen: 40.567 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134256.D
 Acq: 12 Jul 2023 20:22

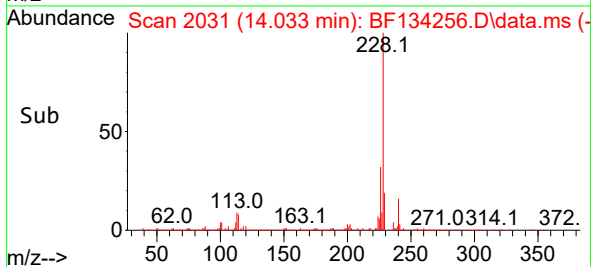
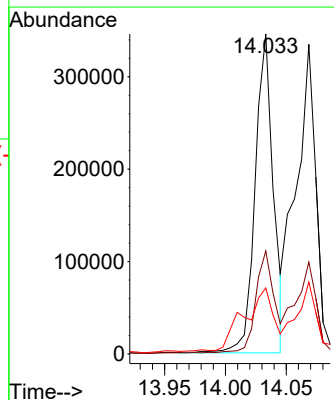
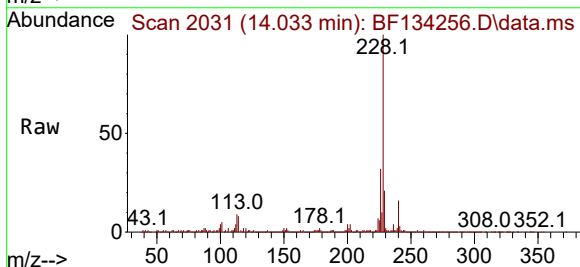
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289

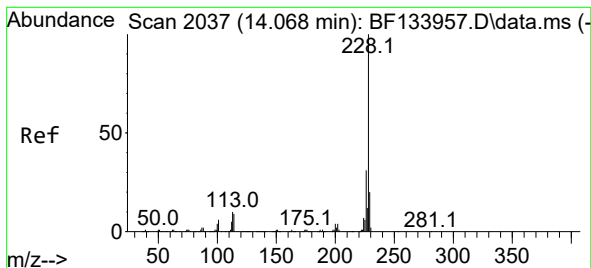
Tgt Ion:244 Resp: 418401
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 31.162 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134256.D
 Acq: 12 Jul 2023 20:22

Tgt Ion:228 Resp: 358738
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.0 33.0
 229 20.7 16.3 24.5





#83

Chrysene

Concen: 34.862 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

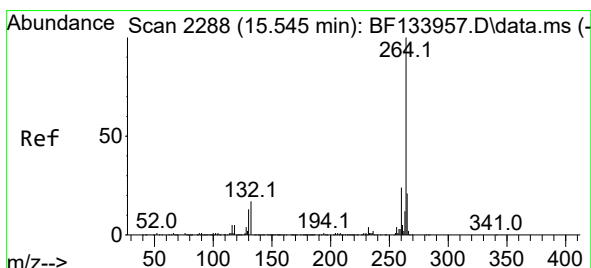
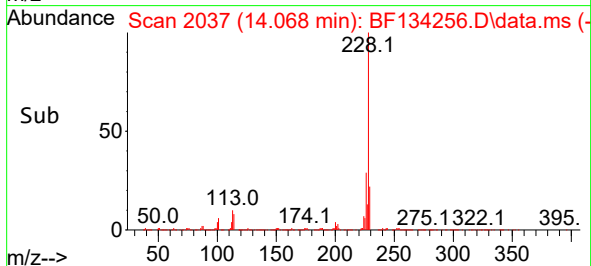
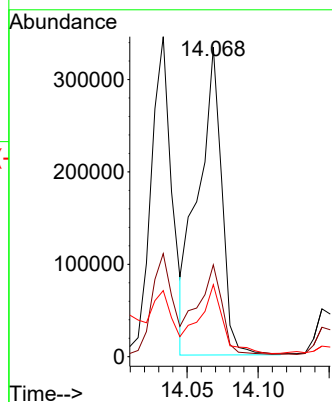
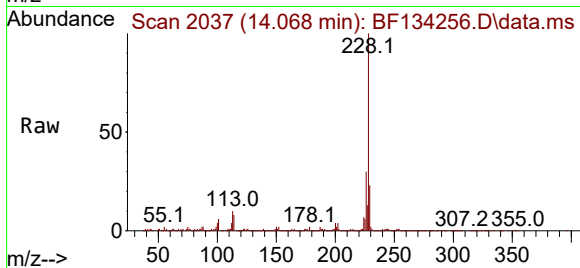
Tgt Ion:228 Resp: 388711

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

229 23.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

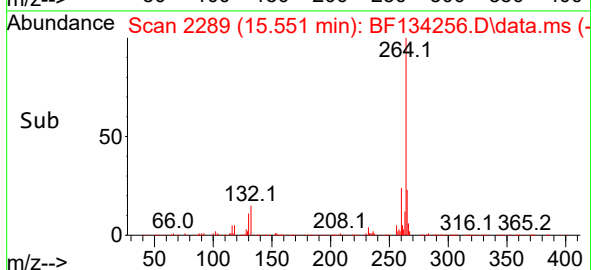
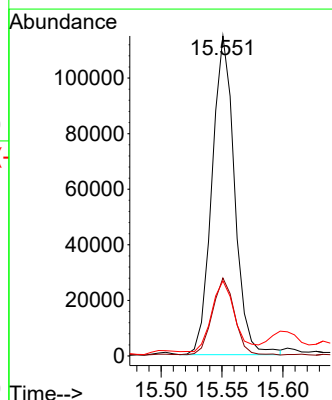
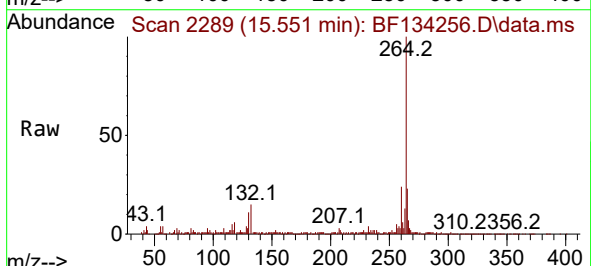
Tgt Ion:264 Resp: 147983

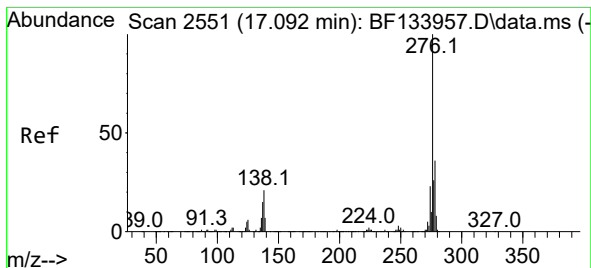
Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 23.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.531 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.171 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

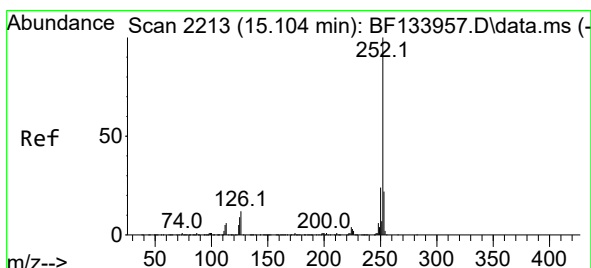
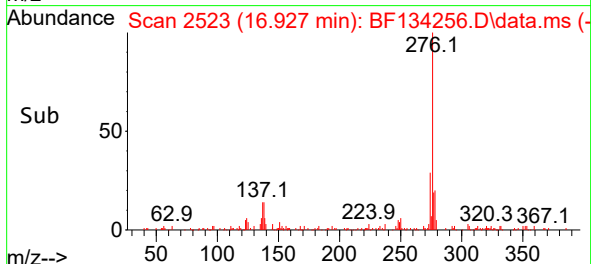
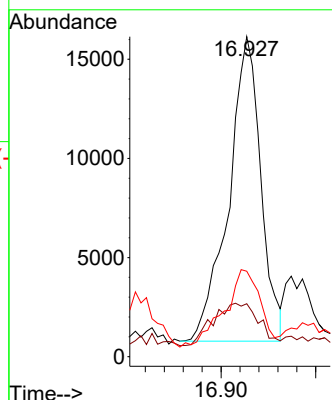
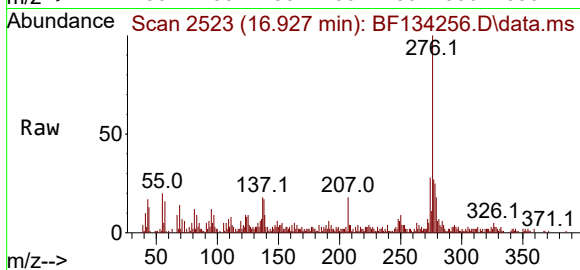
Tgt Ion:276 Resp: 36258

Ion Ratio Lower Upper

276 100

138 19.8 18.7 28.1

277 28.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 97.824 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

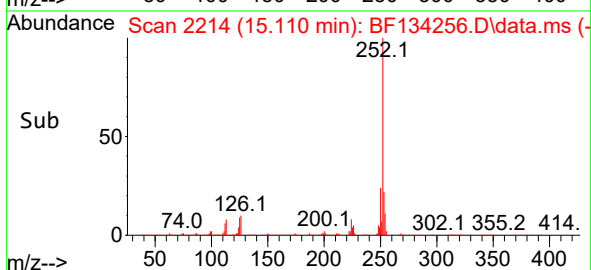
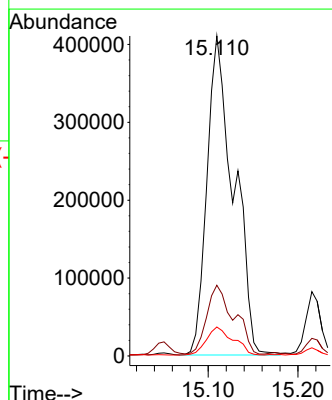
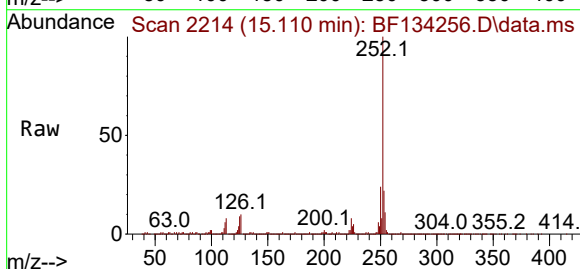
Tgt Ion:252 Resp: 851213

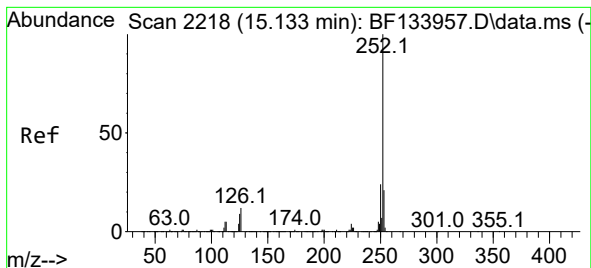
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.0 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 96.079 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

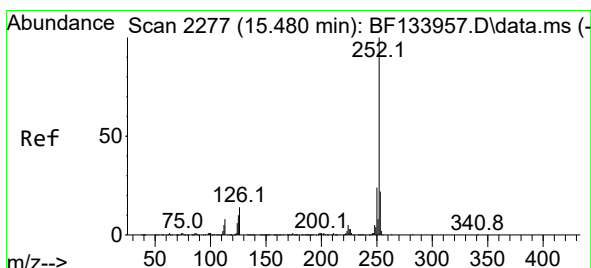
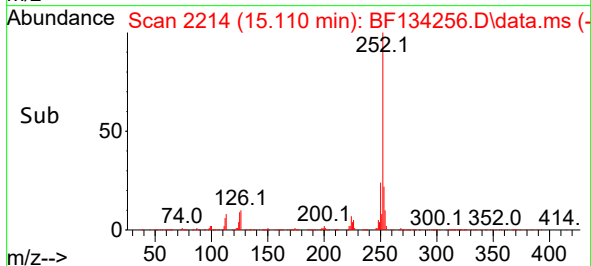
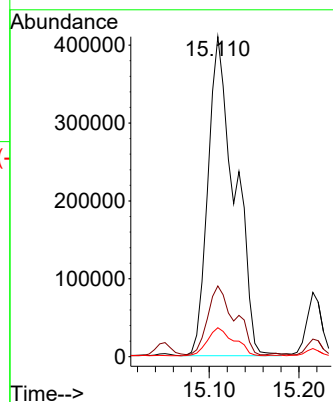
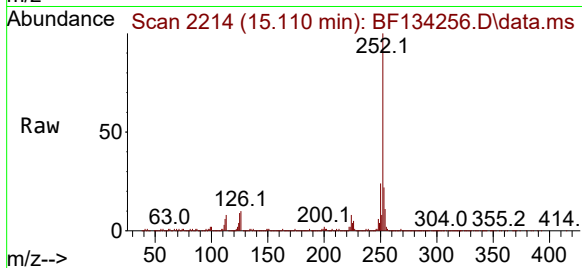
Tgt Ion:252 Resp: 851213

Ion Ratio Lower Upper

252 100

253 22.1 16.9 25.3

125 9.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 40.351 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

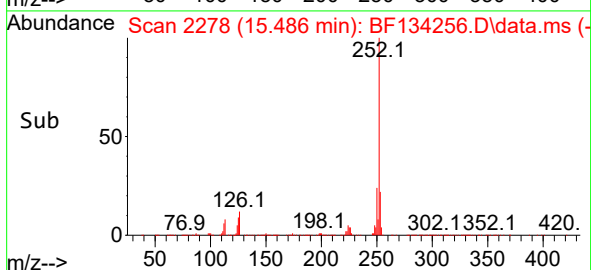
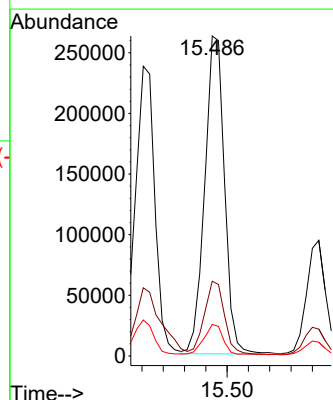
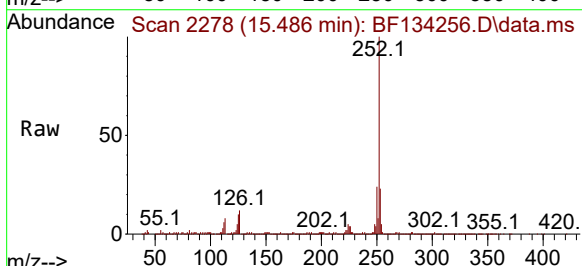
Tgt Ion:252 Resp: 339520

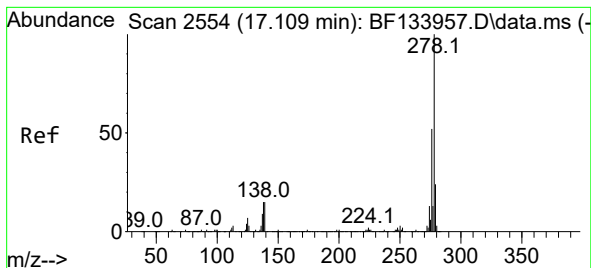
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 9.9 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 3.889 ng

RT: 16.898 min Scan# 21

Delta R.T. -0.218 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

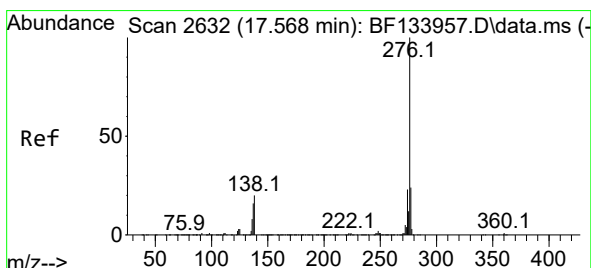
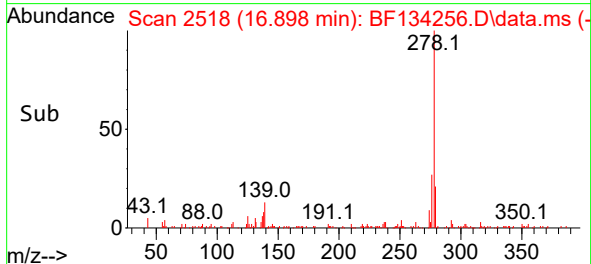
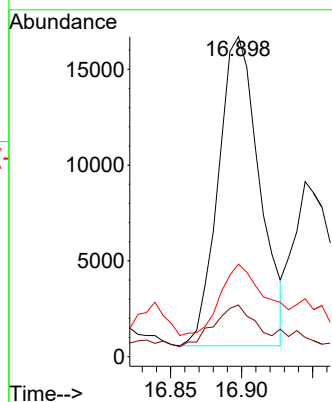
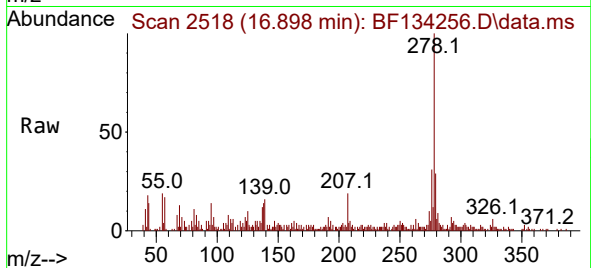
Tgt Ion:278 Resp: 32617

Ion Ratio Lower Upper

278 100

139 16.1 12.2 18.4

279 28.9 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 22.066 ng

RT: 17.568 min Scan# 2632

Delta R.T. 0.000 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Tgt Ion:276 Resp: 190856

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 19.1 16.2 24.2

