

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135761.D
 Acq On : 13 Oct 2023 19:41
 Operator : CG\JU
 Sample : 04837-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-290

Quant Time: Oct 13 23:37:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

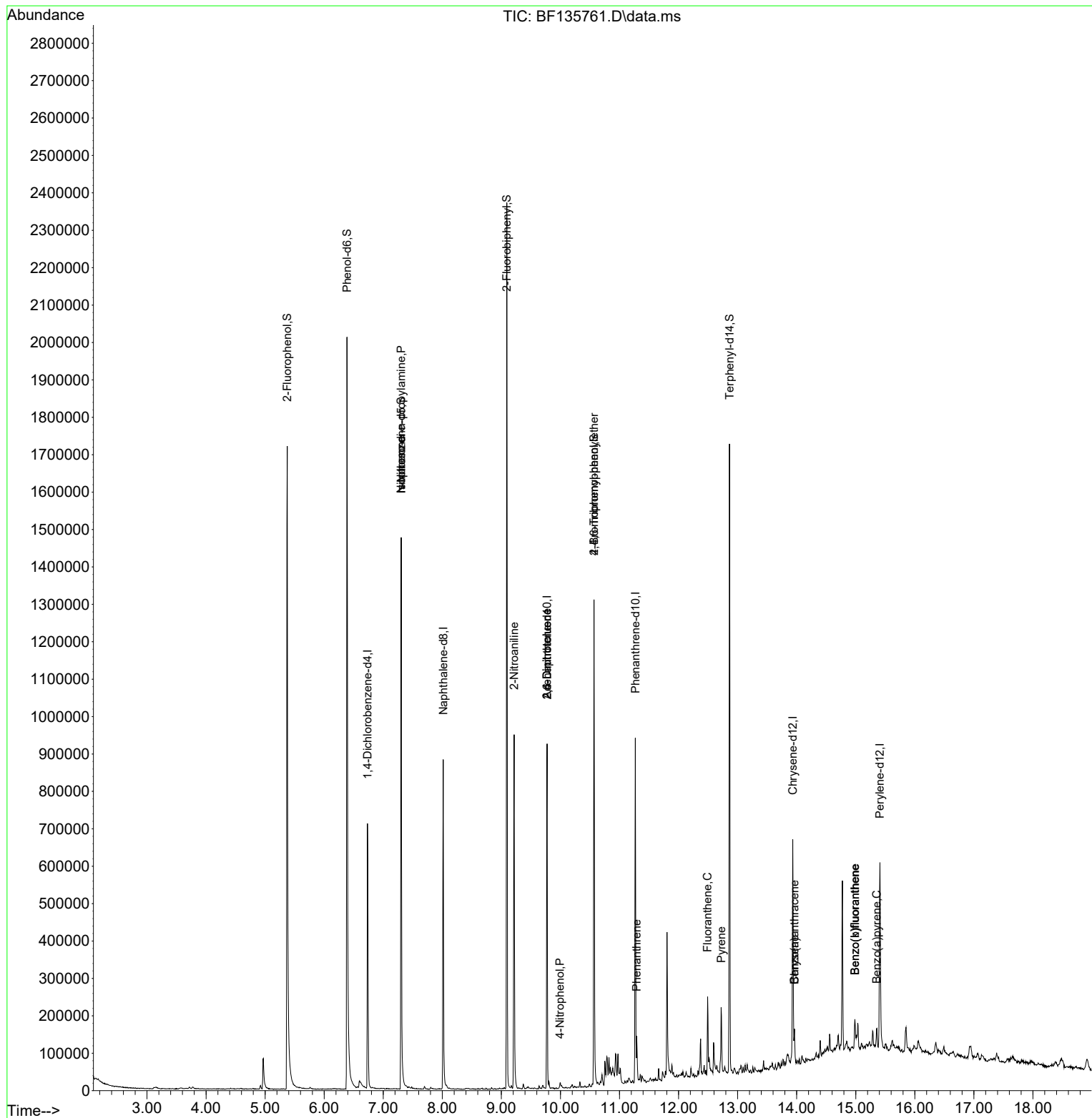
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	109156	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	373726	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	177499	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	314642	20.000	ng	0.00
76) Chrysene-d12	13.933	240	191304	20.000	ng	-0.01
86) Perylene-d12	15.410	264	237265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	564013	83.073	ng	0.00
7) Phenol-d6	6.387	99	683698	80.708	ng	-0.01
23) Nitrobenzene-d5	7.304	82	424759	62.509	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	144212	84.669	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	672022	59.195	ng	-0.01
79) Terphenyl-d14	12.863	244	552513	53.486	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	56969	10.876	ng	# 77
25) Isophorone	7.304	82	424755	33.134	ng	# 66
48) 2-Nitroaniline	9.216	65	9177	2.373	ng	# 19
51) 2,6-Dinitrotoluene	9.775	165	22475	8.722	ng	# 16
56) 4-Nitrophenol	9.992	139	1040	6.162	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	22475	6.856	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	9161	2.900	ng	# 1
71) Phenanthrene	11.292	178	42858	2.843	ng	96
75) Fluoranthene	12.492	202	84343	5.042	ng	99
78) Pyrene	12.721	202	75312	4.954	ng	99
81) Benzo(a)anthracene	13.963	228	35525	2.827	ng	97
83) Chrysene	13.963	228	35525	2.919	ng	98
88) Benzo(b)fluoranthene	14.986	252	57606	4.338	ng	97
89) Benzo(k)fluoranthene	14.986	252	57606	4.468	ng	96
90) Benzo(a)pyrene	15.357	252	25895	2.074	ng	97

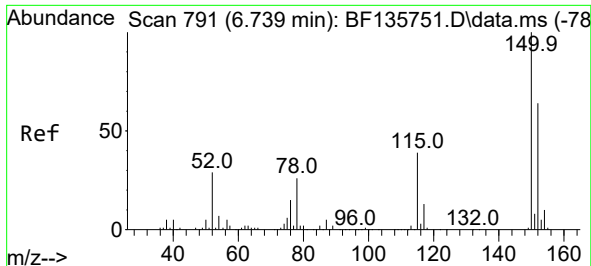
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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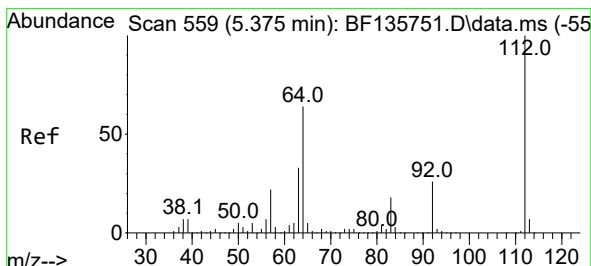
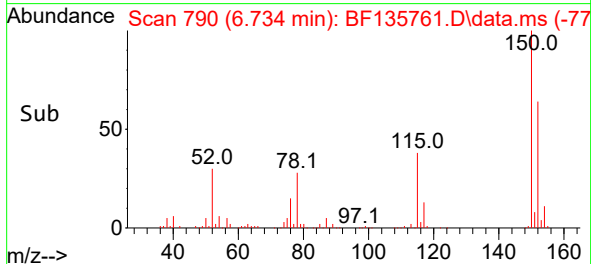
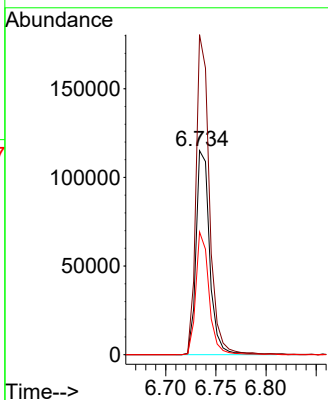
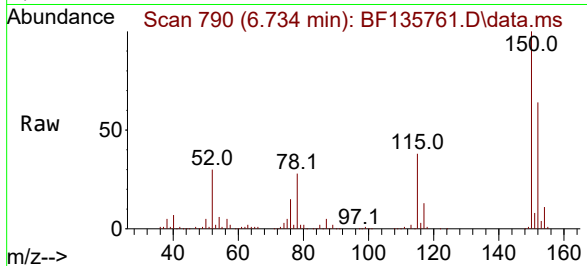




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

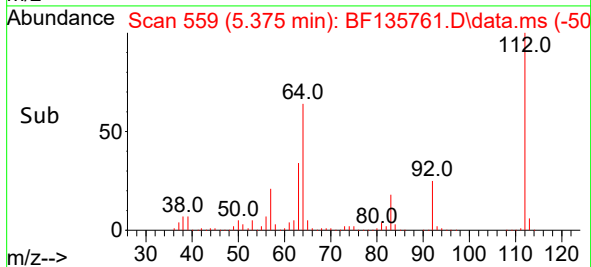
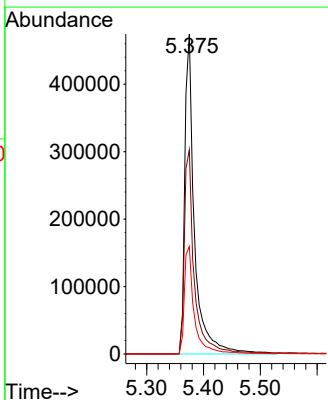
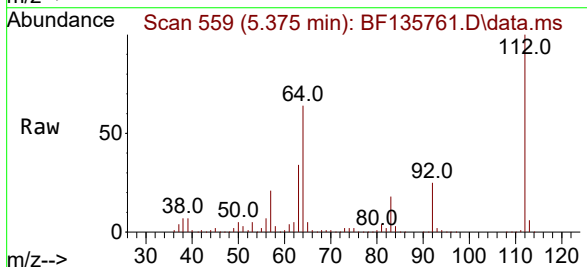
Instrument :
BNA_F
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ETGI-290

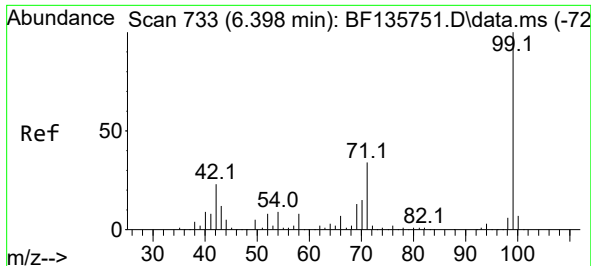
Tgt Ion:152 Resp: 109156
Ion Ratio Lower Upper
152 100
150 156.8 124.5 186.7
115 60.1 49.0 73.4



#5
2-Fluorophenol
Concen: 83.073 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:112 Resp: 564013
Ion Ratio Lower Upper
112 100
64 63.8 51.2 76.8
63 33.5 26.1 39.1

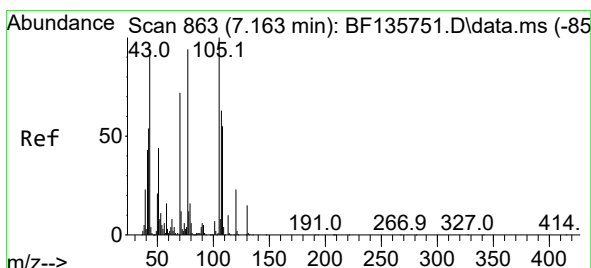
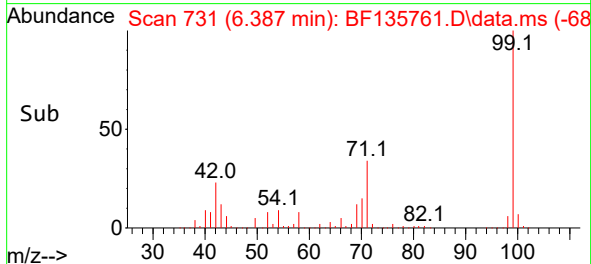
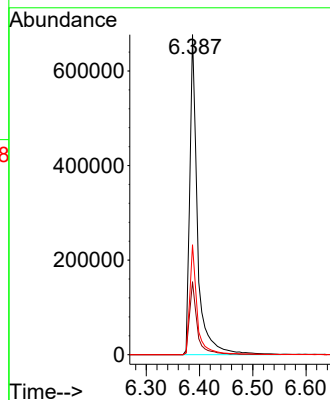
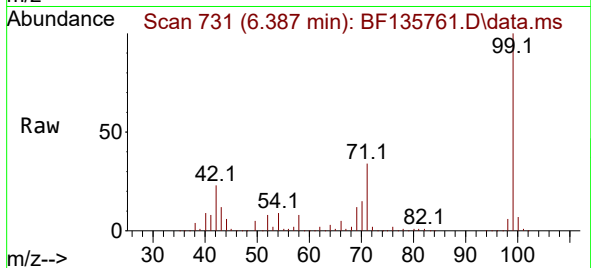




#7
Phenol-d6
Concen: 80.708 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

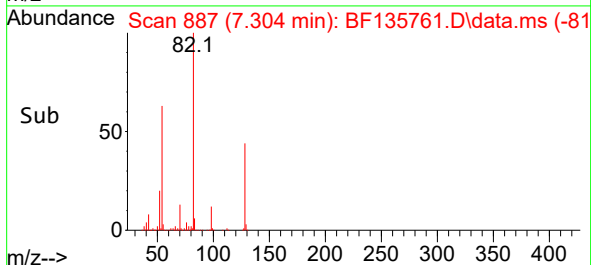
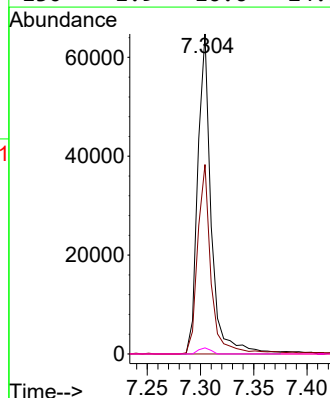
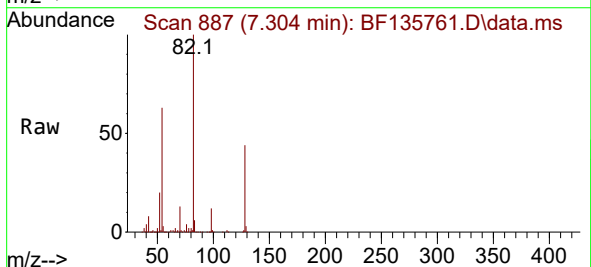
Instrument :
BNA_F
ClientSampleId :
ETGI-290

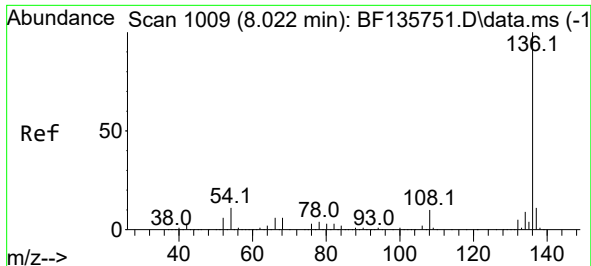
Tgt Ion: 99 Resp: 683698
Ion Ratio Lower Upper
99 100
42 22.8 18.4 27.6
71 34.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.876 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion: 70 Resp: 56969
Ion Ratio Lower Upper
70 100
42 59.2 59.8 89.6#
101 0.0 7.4 11.2#
130 1.9 16.6 24.8#

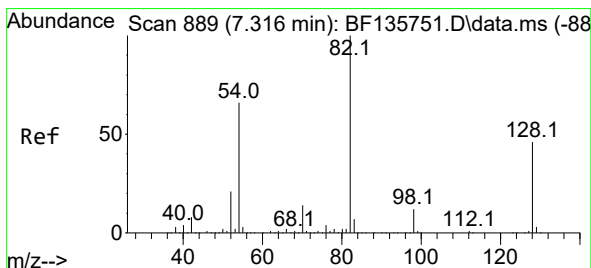
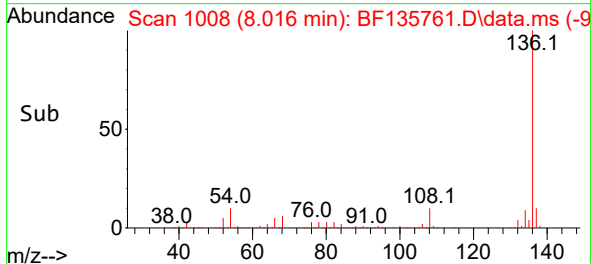
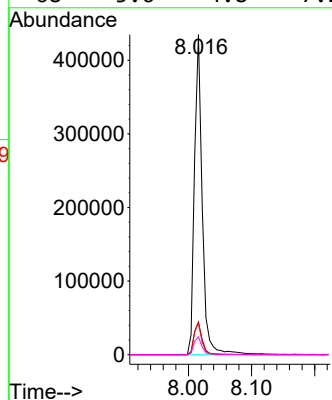
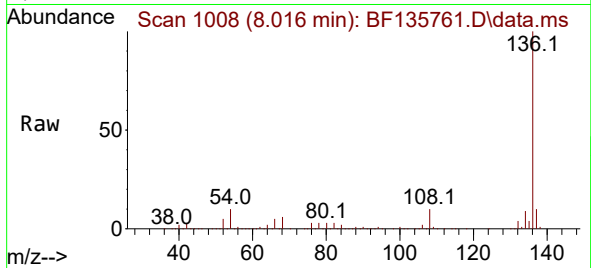




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

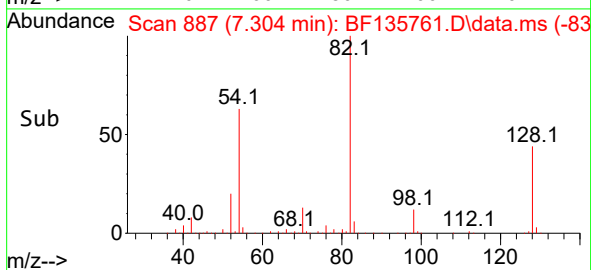
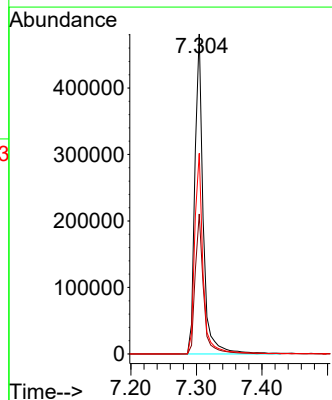
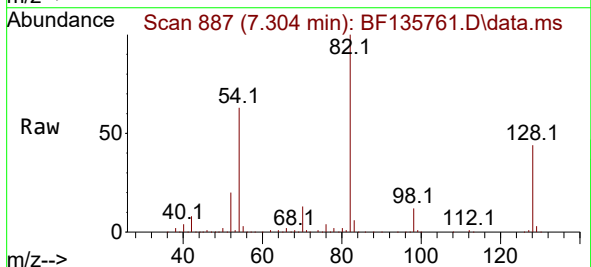
Instrument :
BNA_F
ClientSampleId :
ETGI-290

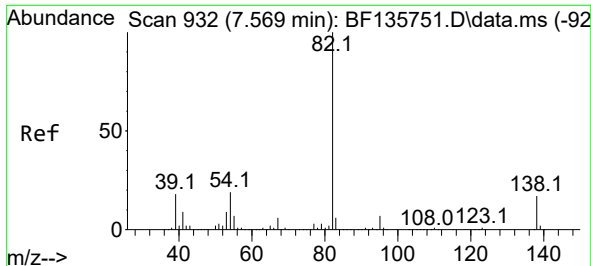
Tgt Ion:136 Resp: 373726
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 9.8 8.5 12.7
68 5.6 4.8 7.2



#23
Nitrobenzene-d5
Concen: 62.509 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion: 82 Resp: 424759
Ion Ratio Lower Upper
82 100
128 43.8 37.0 55.6
54 62.7 52.8 79.2

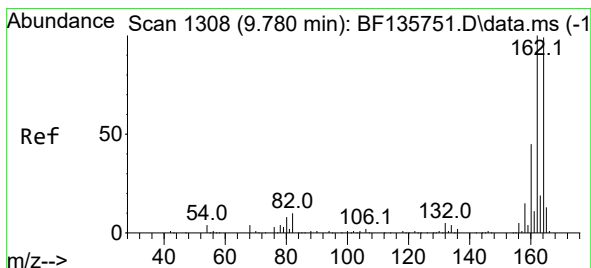
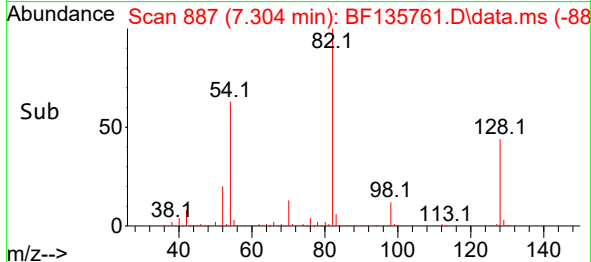
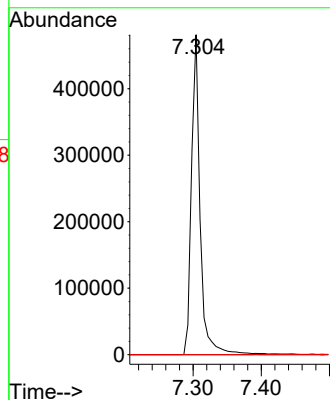
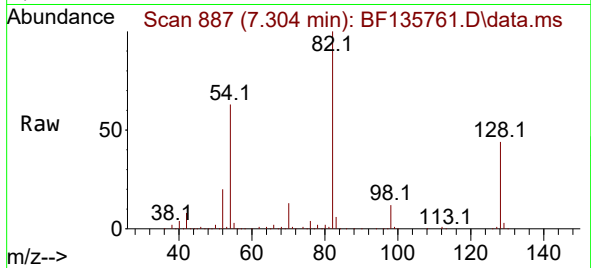




#25
Isophorone
Concen: 33.134 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

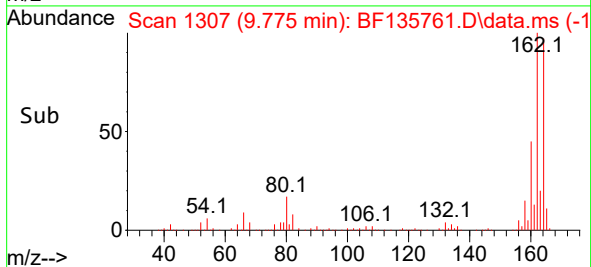
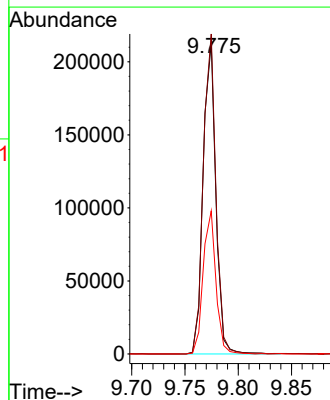
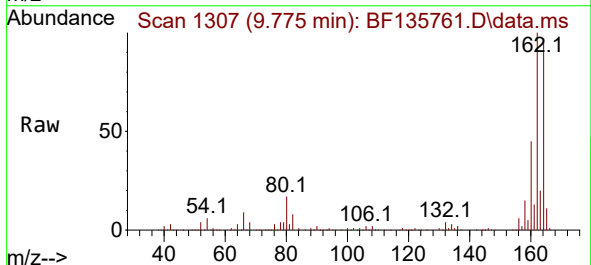
Instrument :
BNA_F
ClientSampleId :
ETGI-290

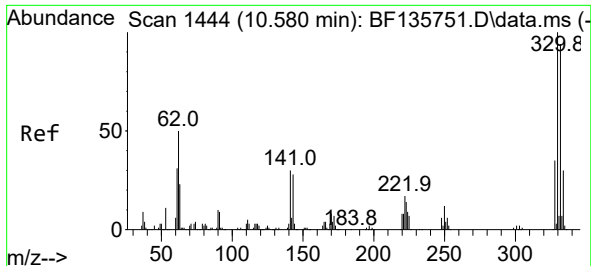
Tgt Ion: 82 Resp: 424755
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:164 Resp: 177499
Ion Ratio Lower Upper
164 100
162 102.9 80.8 121.2
160 46.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 84.669 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

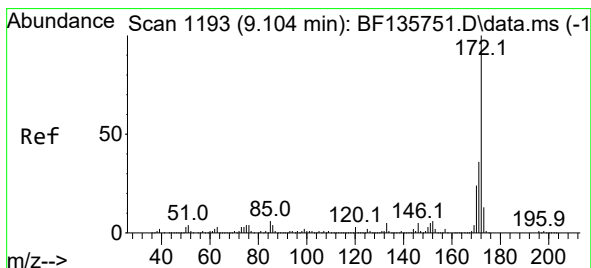
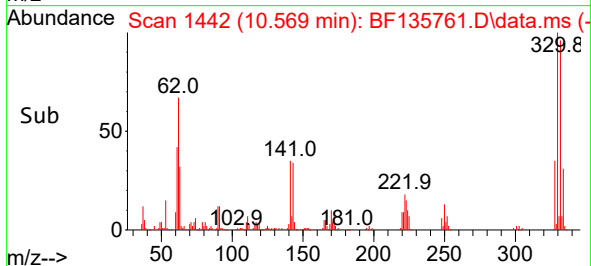
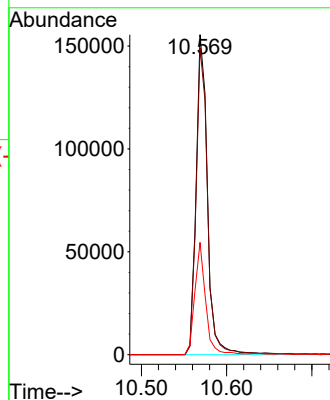
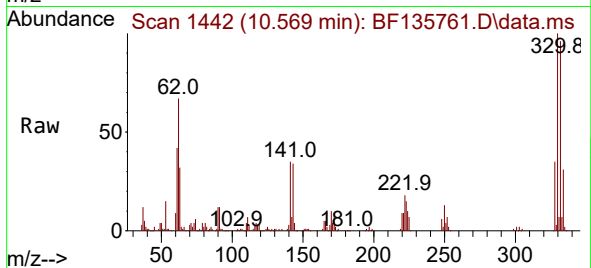
Tgt Ion:330 Resp: 144212

Ion Ratio Lower Upper

330 100

332 96.0 75.0 112.4

141 33.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 59.195 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

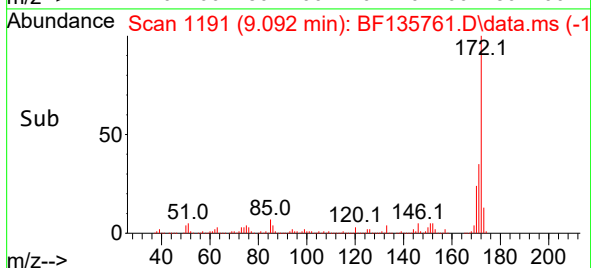
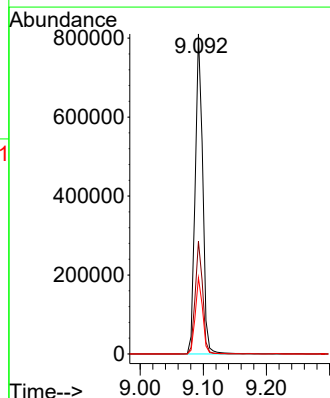
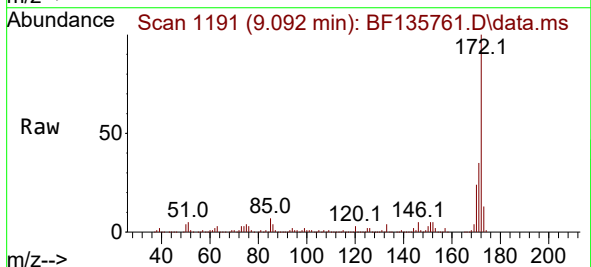
Tgt Ion:172 Resp: 672022

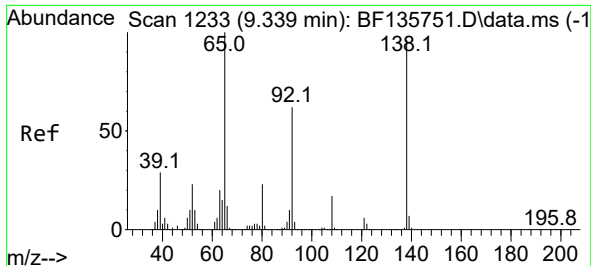
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.8 18.8 28.2





#48

2-Nitroaniline

Concen: 2.373 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.123 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

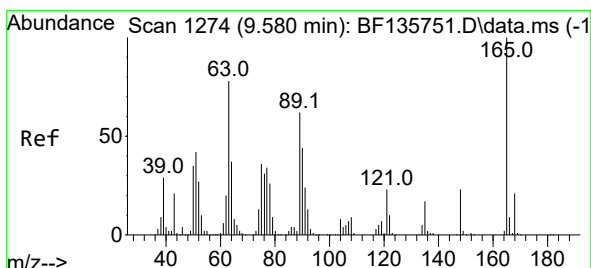
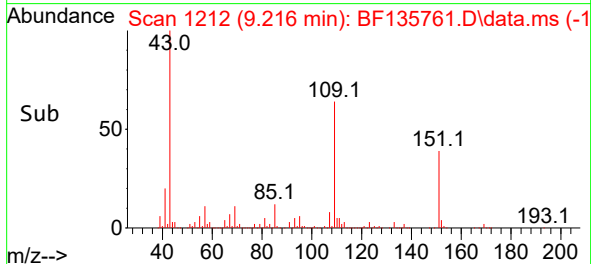
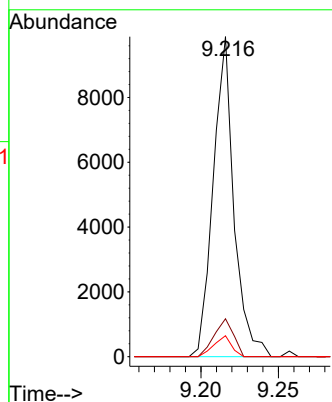
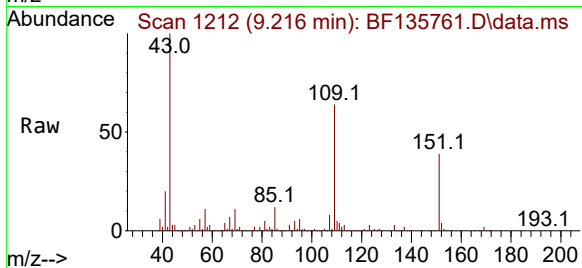
Tgt Ion: 65 Resp: 9177

Ion Ratio Lower Upper

65 100

92 11.9 49.4 74.0#

138 6.6 76.6 114.8#



#51

2,6-Dinitrotoluene

Concen: 8.722 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.194 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

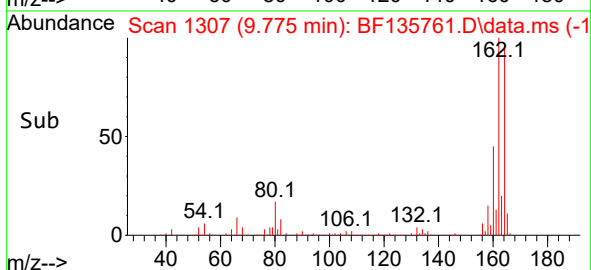
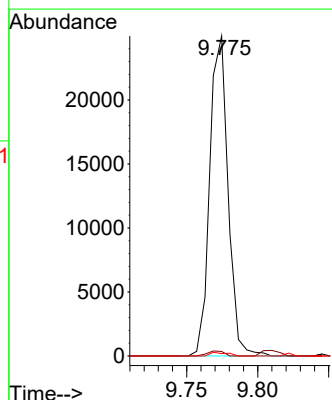
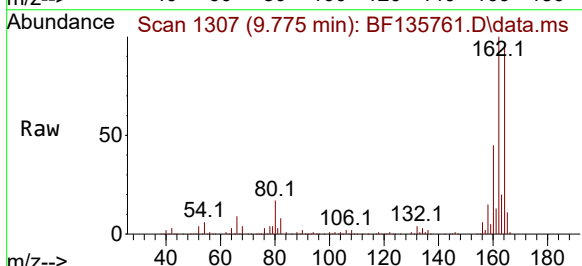
Tgt Ion: 165 Resp: 22475

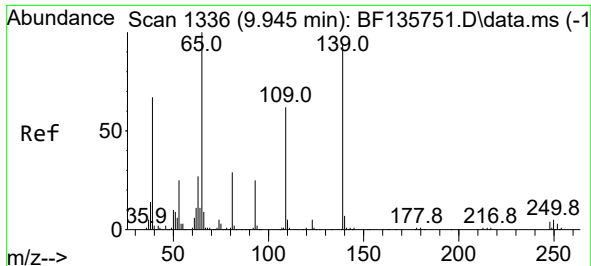
Ion Ratio Lower Upper

165 100

63 1.4 62.2 93.4#

89 0.8 49.6 74.4#

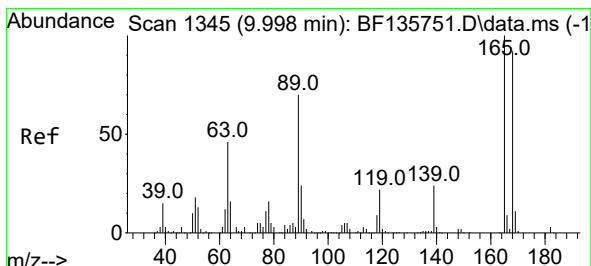
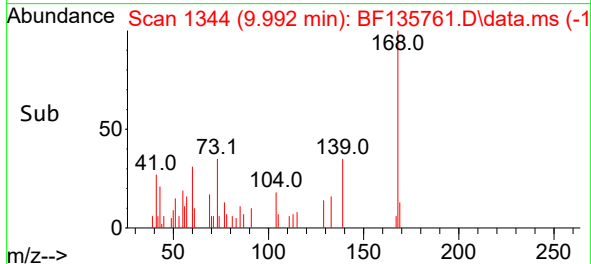
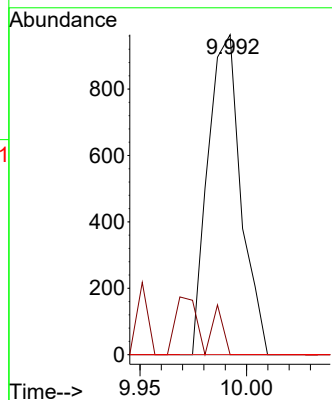
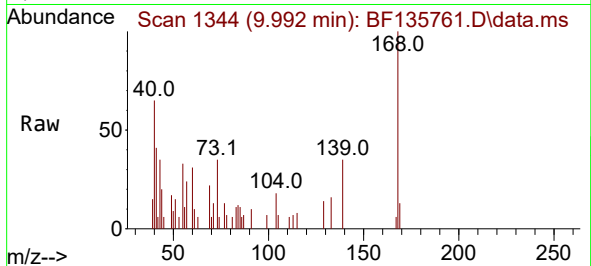




#56
4-Nitrophenol
Concen: 6.162 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

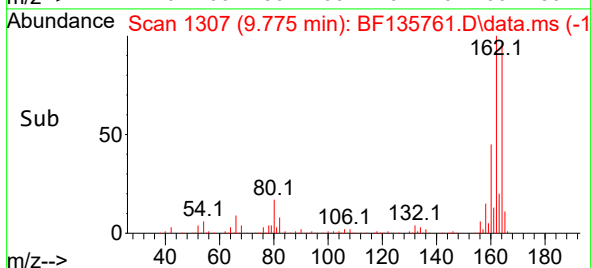
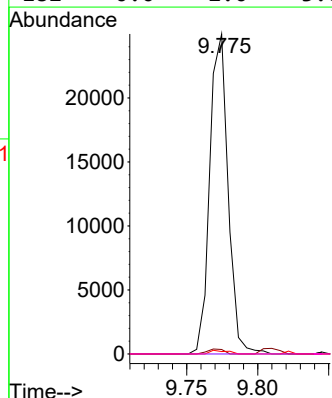
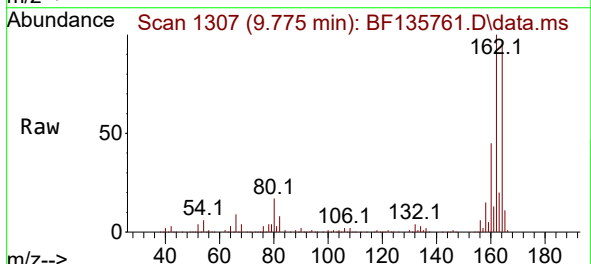
Instrument :
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ETGI-290

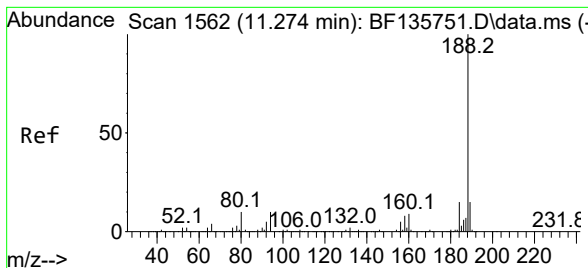
Tgt Ion:139 Resp: 1040
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 6.856 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.223 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:165 Resp: 22475
Ion Ratio Lower Upper
165 100
63 1.4 39.0 58.4#
89 0.8 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

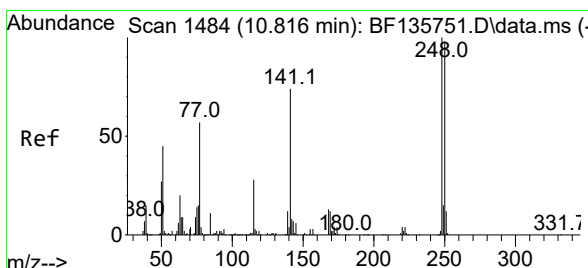
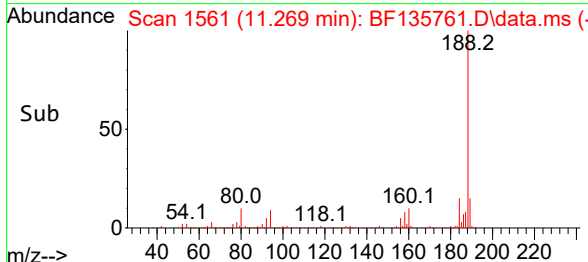
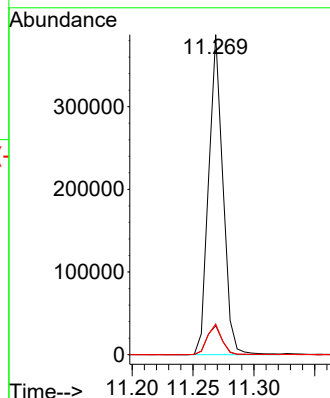
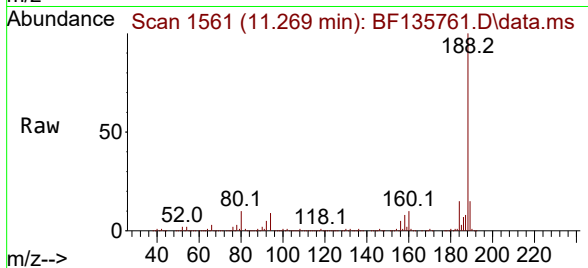
Tgt Ion:188 Resp: 314642

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

80 9.6 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 2.900 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

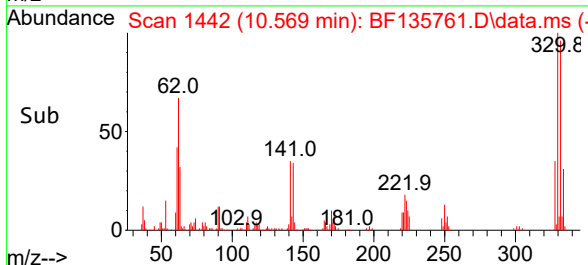
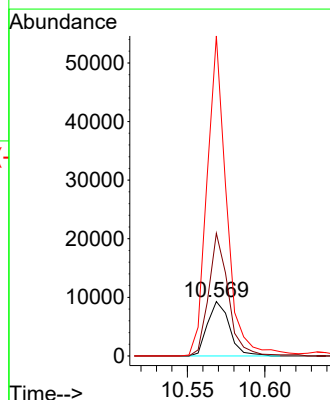
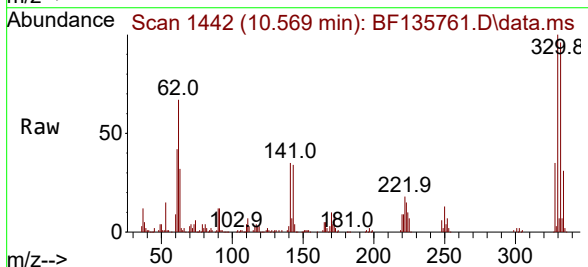
Tgt Ion:248 Resp: 9161

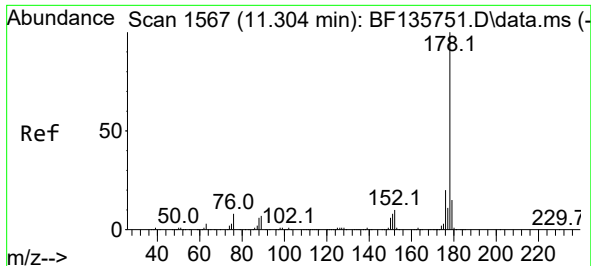
Ion Ratio Lower Upper

248 100

250 225.5 78.0 117.0#

141 588.0 59.0 88.6#

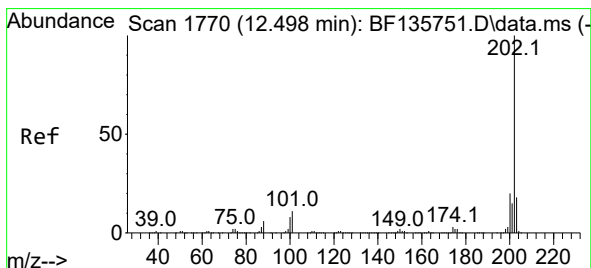
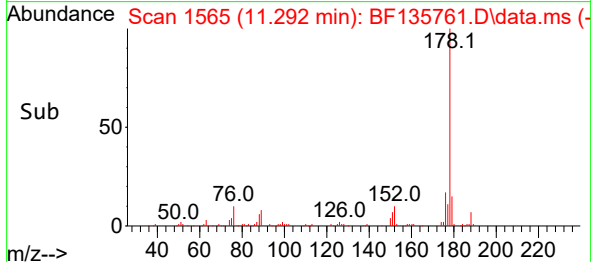
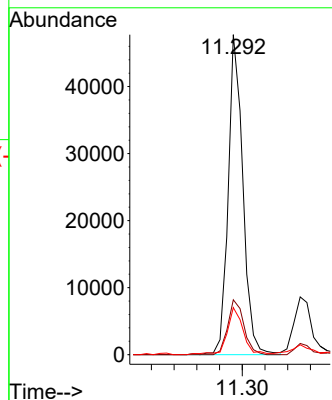
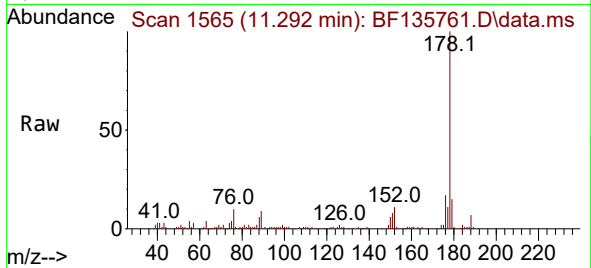




#71
Phenanthrene
Concen: 2.843 ng
RT: 11.292 min Scan# 1769
Delta R.T. -0.012 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

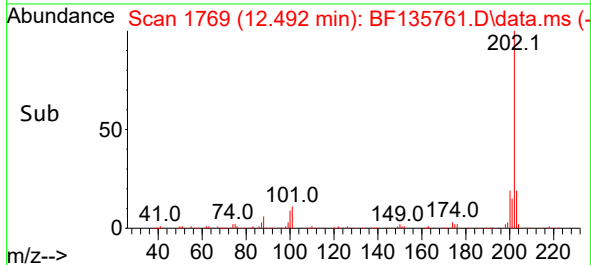
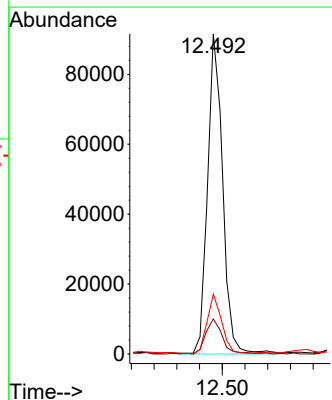
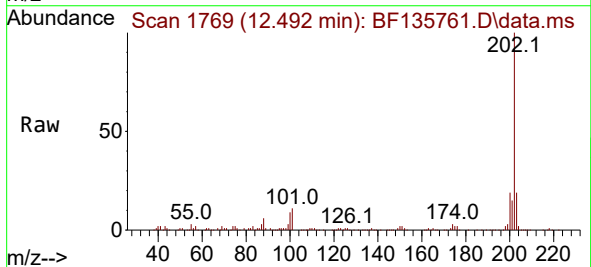
Instrument :
BNA_F
ClientSampleId :
ETGI-290

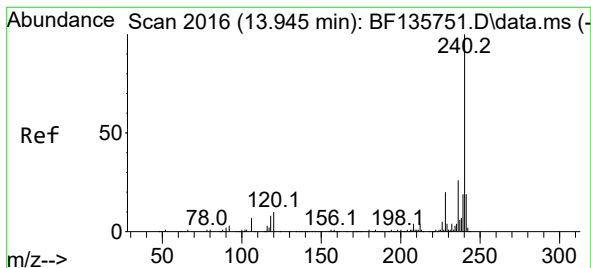
Tgt Ion:178 Resp: 42858
Ion Ratio Lower Upper
178 100
176 17.2 16.0 24.0
179 14.7 12.2 18.4



#75
Fluoranthene
Concen: 5.042 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

Tgt Ion:202 Resp: 84343
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.5
203 18.7 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

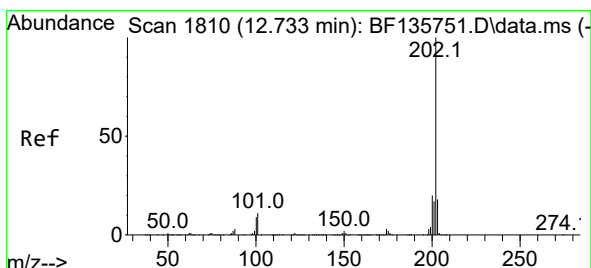
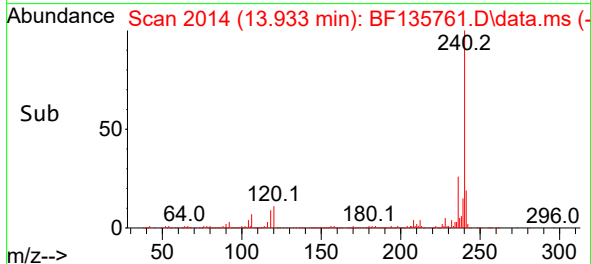
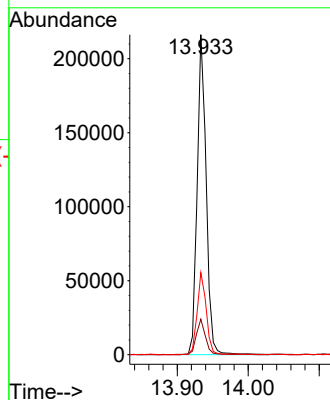
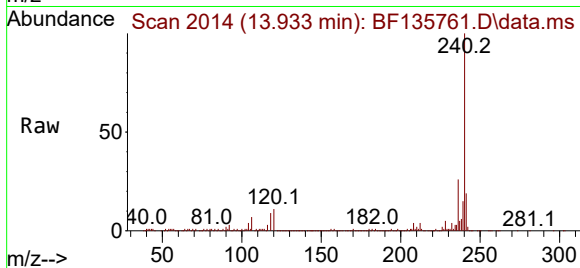
Tgt Ion:240 Resp: 191304

Ion Ratio Lower Upper

240 100

120 11.1 8.2 12.2

236 25.7 21.2 31.8



#78

Pyrene

Concen: 4.954 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

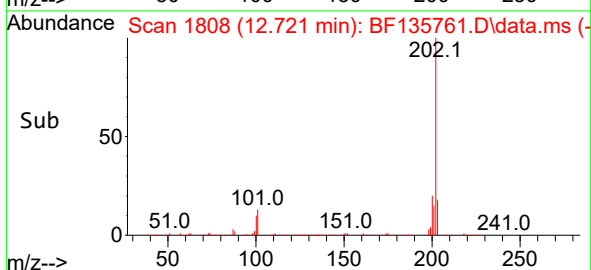
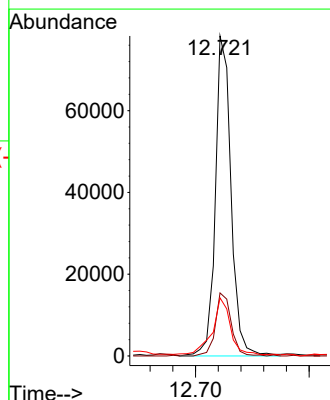
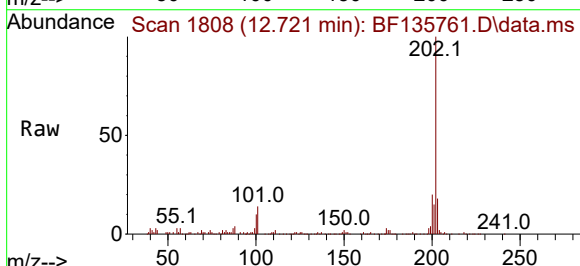
Tgt Ion:202 Resp: 75312

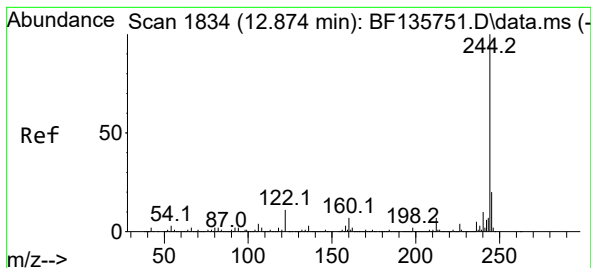
Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 53.486 ng

RT: 12.863 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

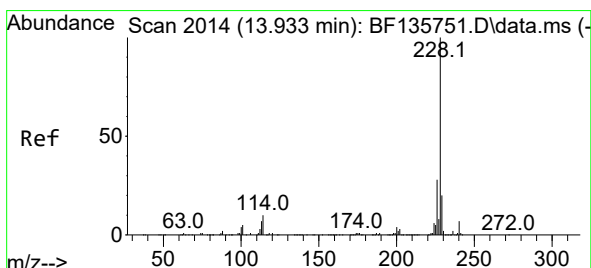
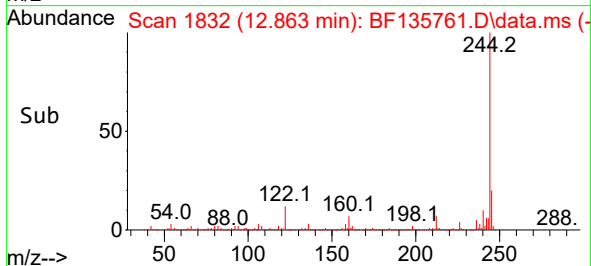
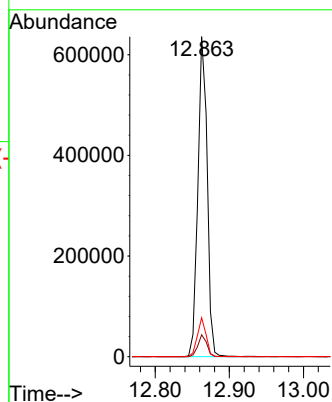
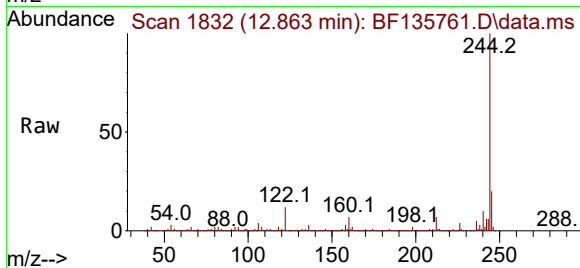
Tgt Ion:244 Resp: 552513

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 12.2 9.0 13.6



#81

Benzo(a)anthracene

Concen: 2.827 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.030 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

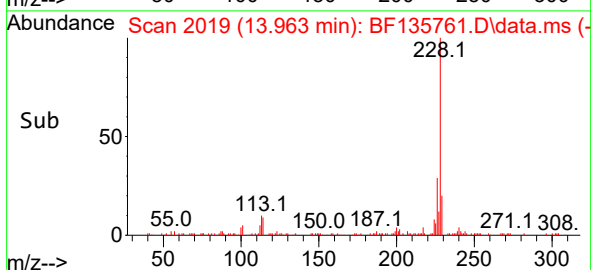
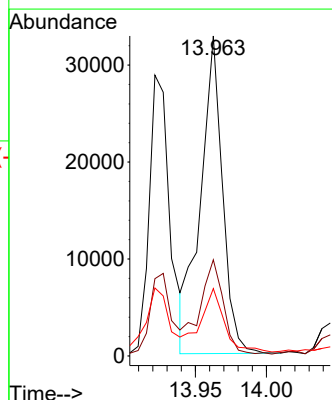
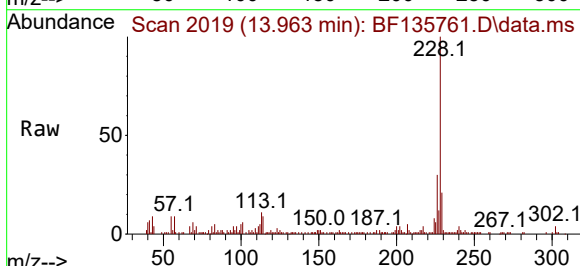
Tgt Ion:228 Resp: 35525

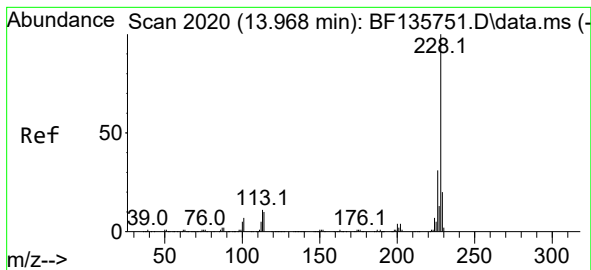
Ion Ratio Lower Upper

228 100

226 30.1 22.2 33.2

229 21.0 16.1 24.1





#83

Chrysene

Concen: 2.919 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

Instrument :

BNA_F

ClientSampleId :

ETGI-290

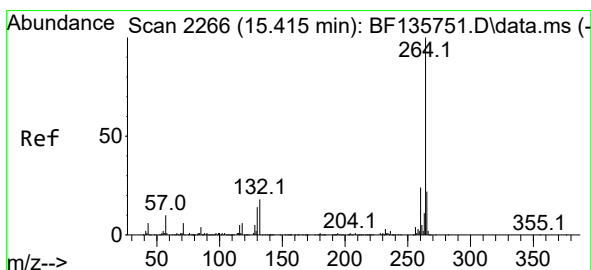
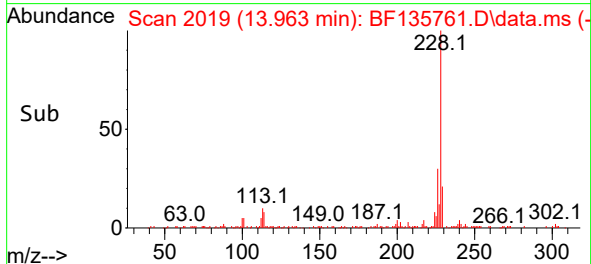
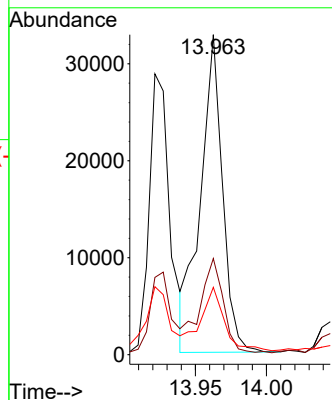
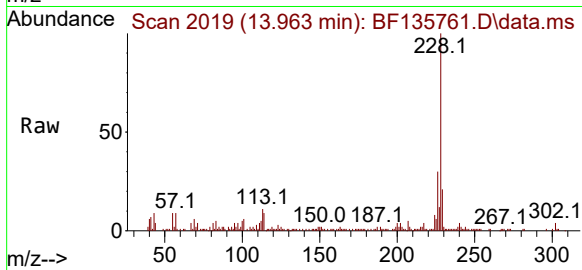
Tgt Ion:228 Resp: 35525

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 21.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. -0.006 min

Lab File: BF135761.D

Acq: 13 Oct 2023 19:41

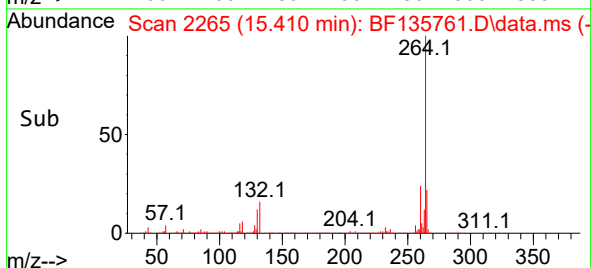
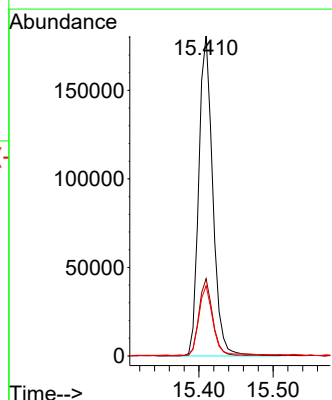
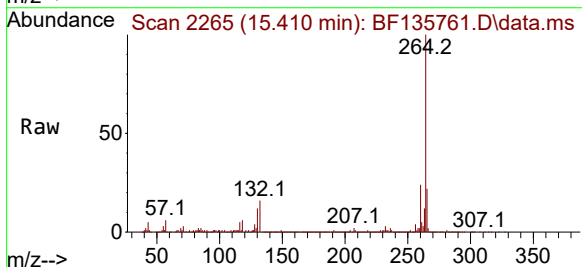
Tgt Ion:264 Resp: 237265

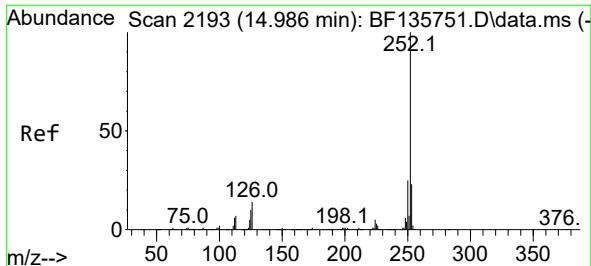
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.9 17.4 26.2

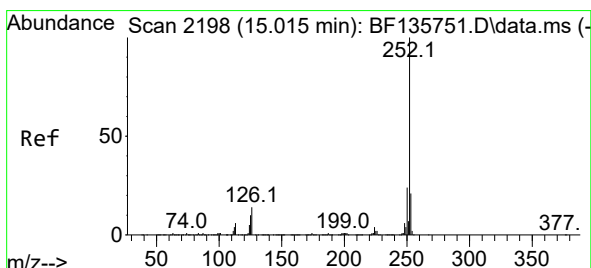
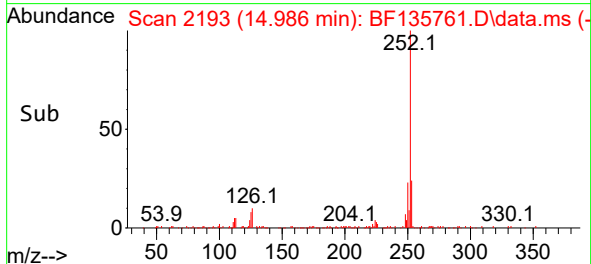
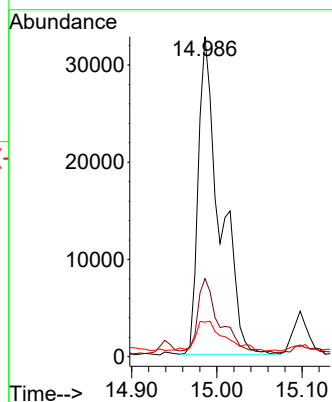
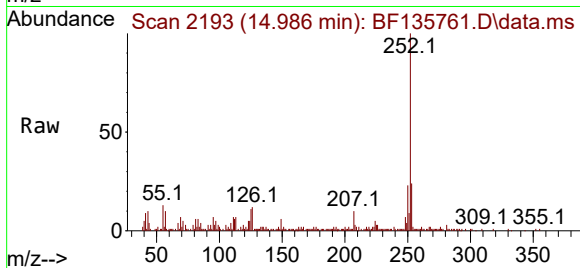




#88
Benzo(b)fluoranthene
Concen: 4.338 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

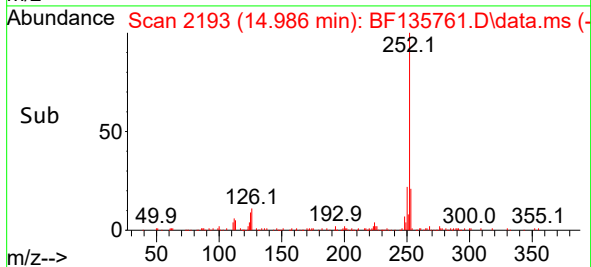
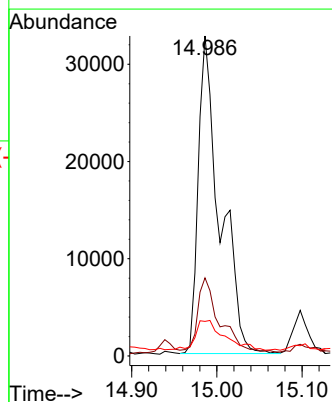
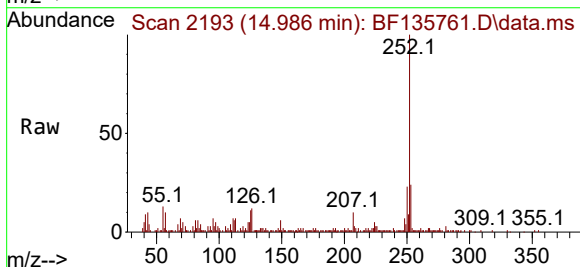
Instrument :
BNA_F
ClientSampleId :
ETGI-290

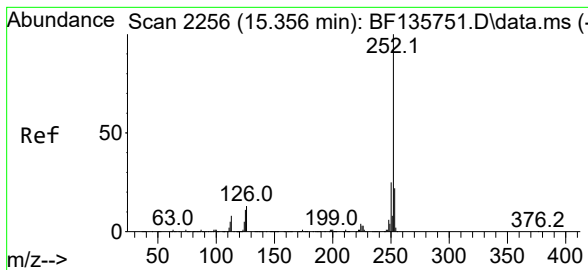
Tgt Ion:252 Resp: 57606
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 10.8 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 4.468 ng
RT: 14.986 min Scan# 2193
Delta R.T. -0.029 min
Lab File: BF135761.D
Acq: 13 Oct 2023 19:41

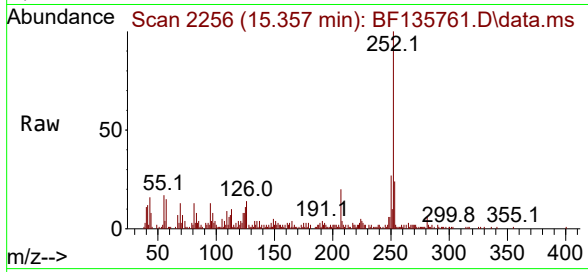
Tgt Ion:252 Resp: 57606
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 10.8 8.3 12.5





#90
 Benzo(a)pyrene
 Concen: 2.074 ng
 RT: 15.357 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135761.D
 Acq: 13 Oct 2023 19:41

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-290



Tgt Ion:	252	Resp:	25895
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	11.2	8.8	13.2

