

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092823\
 Data File : BF135503.D
 Acq On : 28 Sep 2023 20:10
 Operator : CG\JU
 Sample : 04621-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-287

Quant Time: Sep 29 00:26:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 28 19:03:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	126942	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	446115	20.000	ng	# 0.00
39) Acenaphthene-d10	9.780	164	190163	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	328074	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	257438	20.000	ng	0.00
86) Perylene-d12	15.386	264	192436	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	826800	105.934	ng	0.00
7) Phenol-d6	6.398	99	1022334	103.013	ng	0.00
23) Nitrobenzene-d5	7.310	82	623230	75.899	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	177796	94.084	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	964749	76.542	ng	0.00
79) Terphenyl-d14	12.868	244	912946	54.974	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	81244	13.217	ng	# 80
25) Isophorone	7.310	82	623230	41.333	ng	# 65
50) Dimethylphthalate	9.780	163	39146	3.045	ng	# 1
51) 2,6-Dinitrotoluene	9.780	165	25373	9.009	ng	# 18
52) Acenaphthene	9.810	154	65501	6.292	ng	96
55) Dibenzofuran	9.986	168	52845	3.327	ng	96
56) 4-Nitrophenol	9.986	139	18875	8.983	ng	# 5
58) Fluorene	10.327	166	72794	5.961	ng	97
67) 4-Bromophenyl-phenylether	10.574	248	11361	3.482	ng	# 1
70) Pentachlorophenol	11.086	266	12507	6.289	ng	95
71) Phenanthrene	11.292	178	433416	27.933	ng	99
72) Anthracene	11.345	178	179374	11.247	ng	99
73) Carbazole	11.510	167	78452	5.403	ng	100
75) Fluoranthene	12.492	202	1123899	69.514	ng	99
78) Pyrene	12.721	202	809963	33.046	ng	100
81) Benzo(a)anthracene	13.915	228	306680	18.449	ng	97
83) Chrysene	13.957	228	354081	21.424	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	60924	6.880	ng	98
85) Di-n-octyl phthalate	14.521	149	86036	6.114	ng	# 9
87) Indeno(1,2,3-cd)pyrene	16.862	276	67698	5.365	ng	94
88) Benzo(b)fluoranthene	14.962	252	351959	33.786	ng	# 95
89) Benzo(k)fluoranthene	14.962	252	351959	34.203	ng	# 95
90) Benzo(a)pyrene	15.327	252	123264	12.408	ng	# 97
91) Dibenzo(a,h)anthracene	16.856	278	20927	2.027	ng	# 87
92) Benzo(g,h,i)perylene	17.309	276	64862	6.016	ng	# 90

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

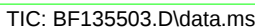
BNA F

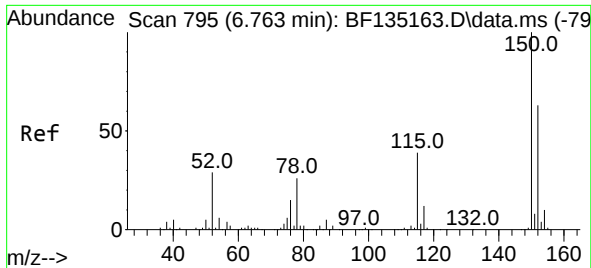
BNA F

ClientSampleId :

ETGI-287

Quant Time: Sep 29 00:26:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 28 19:03:19 2023
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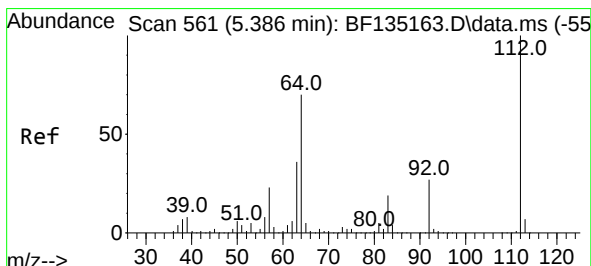
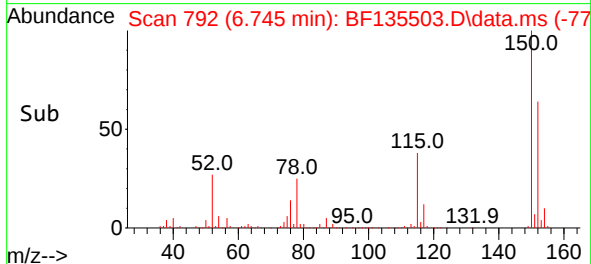
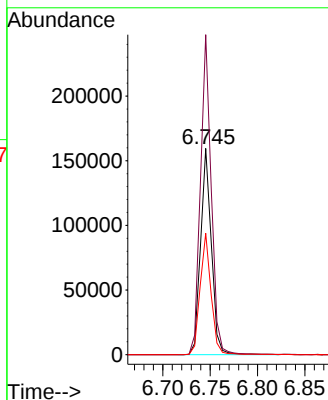
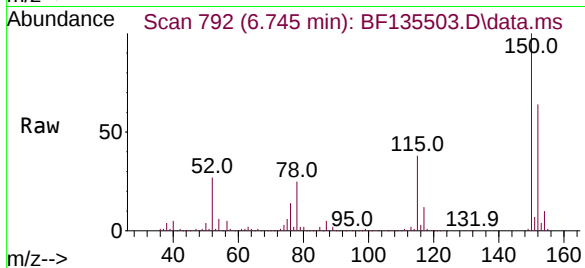




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 795
 Delta R.T. -0.001 min
 Lab File: BF135503.D
 Acq: 28 Sep 2023 20:10

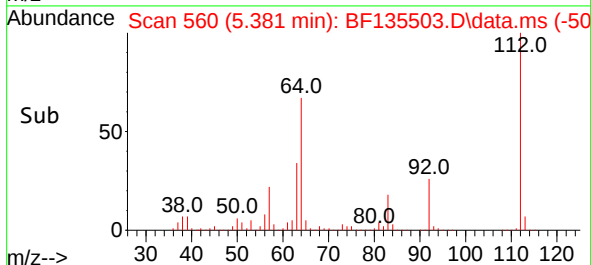
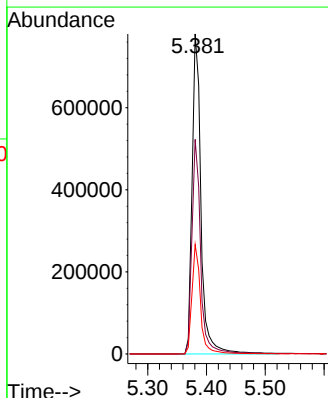
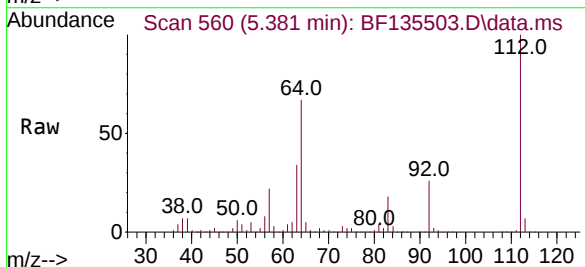
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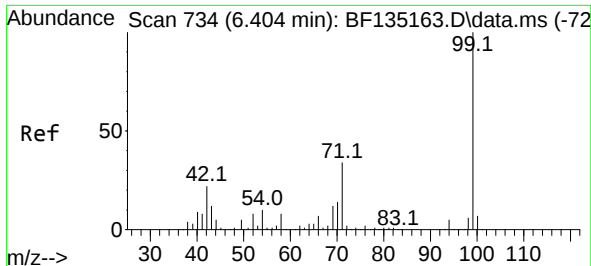
Tgt Ion:152 Resp: 126942
 Ion Ratio Lower Upper
 152 100
 150 155.2 127.8 191.6
 115 58.9 49.8 74.8



#5
 2-Fluorophenol
 Concen: 105.934 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135503.D
 Acq: 28 Sep 2023 20:10

Tgt Ion:112 Resp: 826800
 Ion Ratio Lower Upper
 112 100
 64 67.0 55.9 83.9
 63 34.2 29.0 43.6

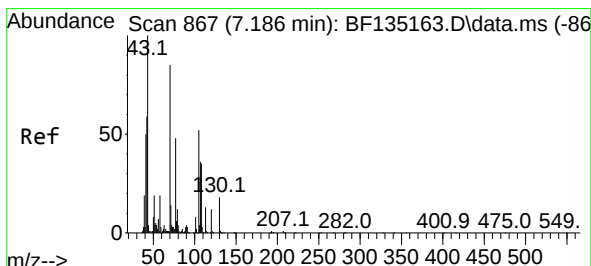
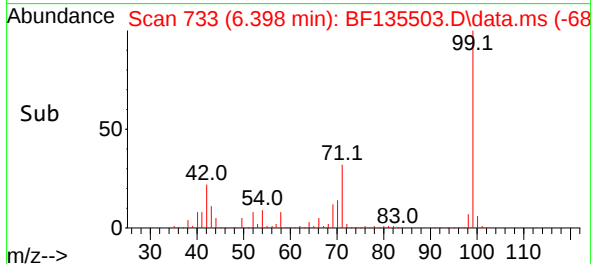
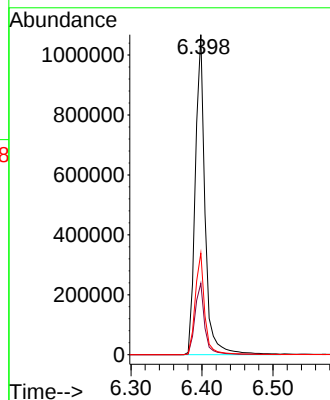
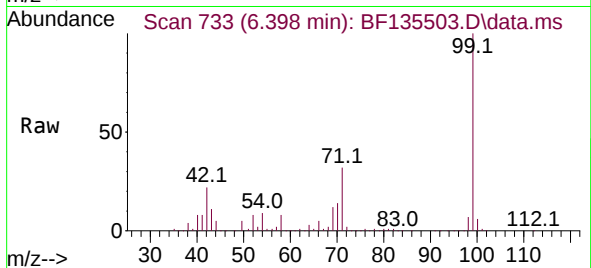




#7
Phenol-d6
Concen: 103.013 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

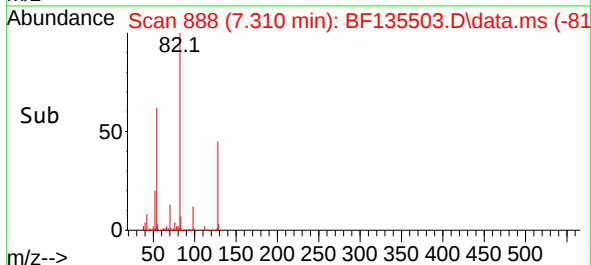
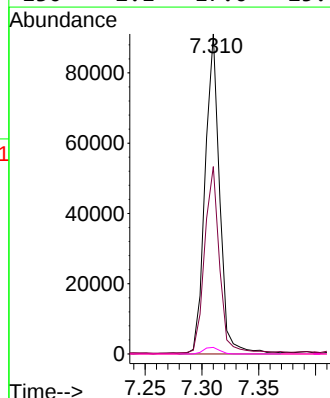
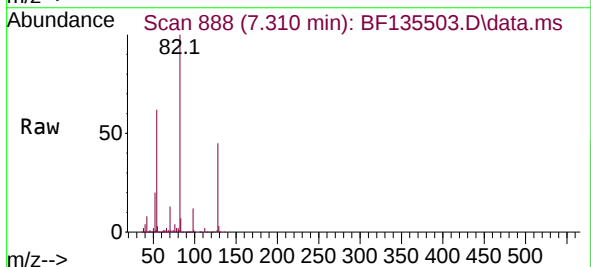
Instrument :
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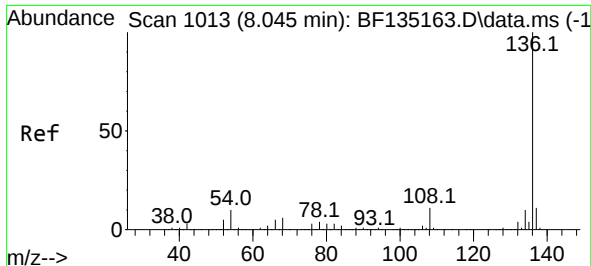
Tgt Ion: 99 Resp: 1022334
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 31.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.217 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion: 70 Resp: 81244
Ion Ratio Lower Upper
70 100
42 58.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

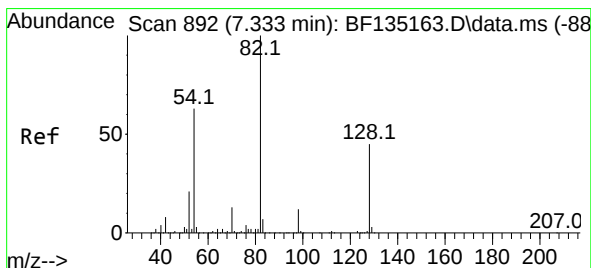
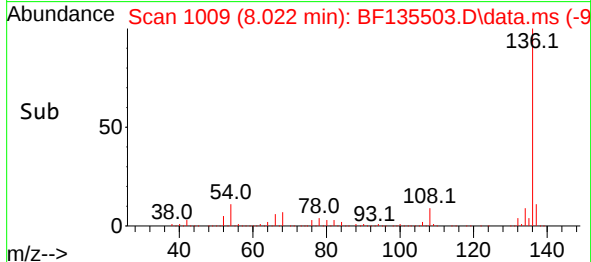
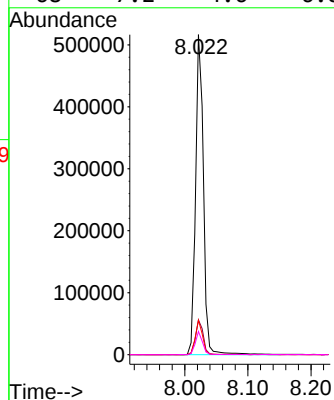
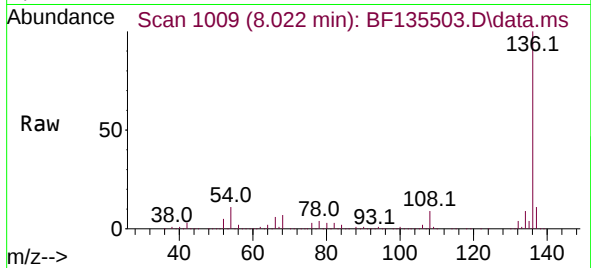




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

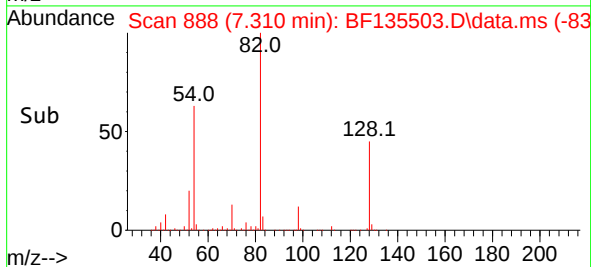
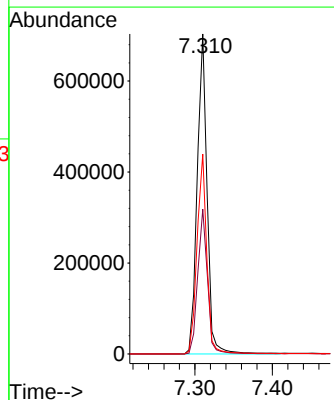
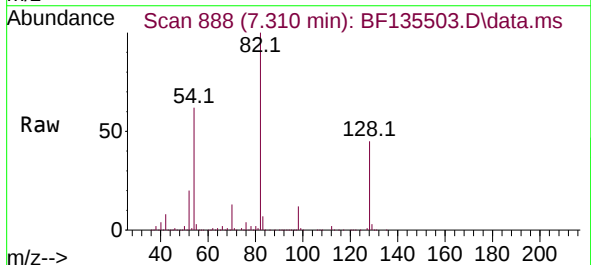
Instrument :
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ClientSampleId :
ETGI-287

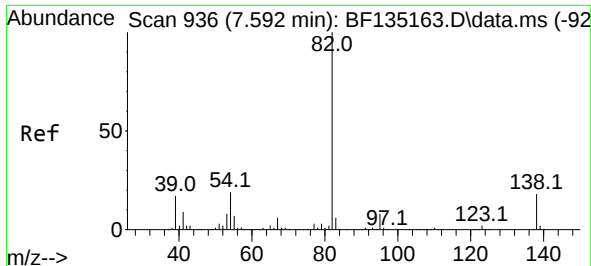
Tgt Ion:136 Resp: 446115
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 7.2 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 75.899 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion: 82 Resp: 623230
Ion Ratio Lower Upper
82 100
128 45.2 35.8 53.6
54 62.5 50.6 76.0

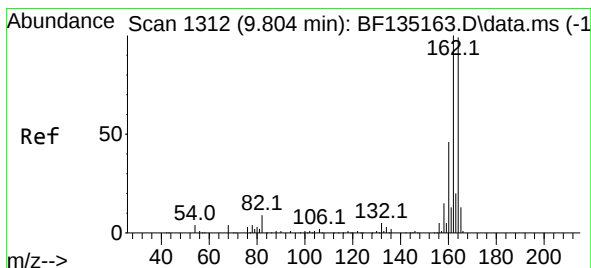
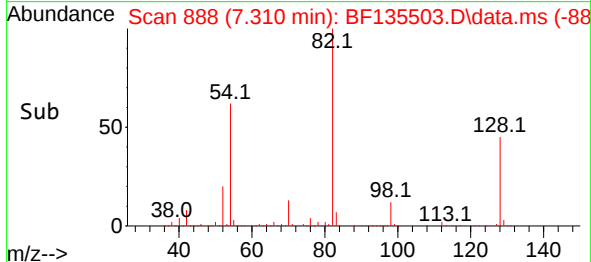
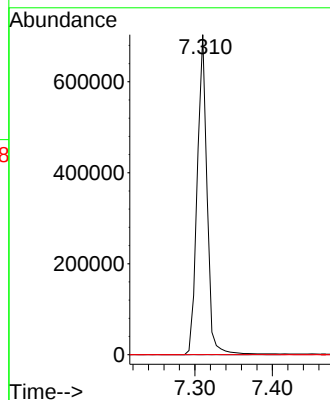
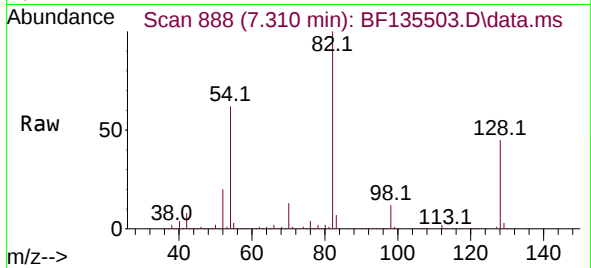




#25
Isophorone
Concen: 41.333 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

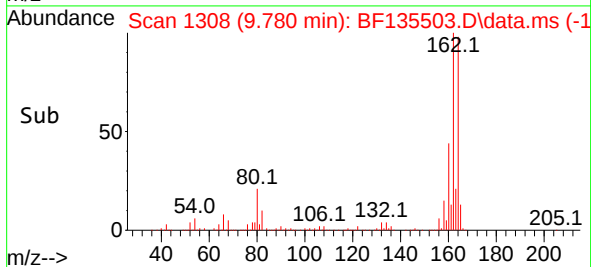
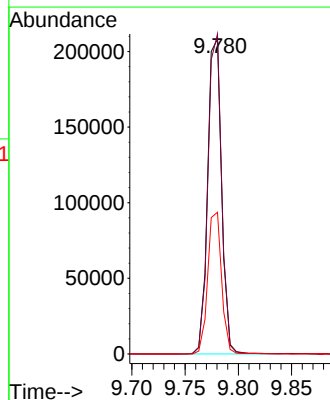
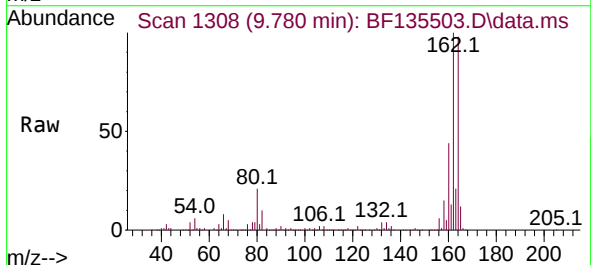
Instrument :
BNA_F
ClientSampleId :
ETGI-287

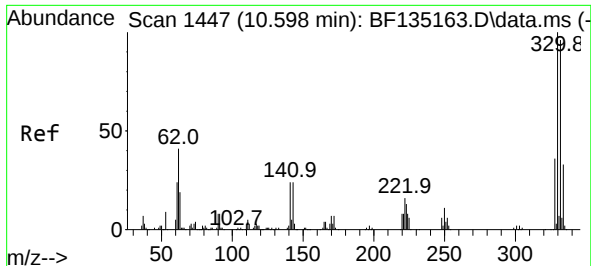
Tgt Ion: 82 Resp: 623230
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion: 164 Resp: 190163
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.4
160 45.0 37.0 55.4

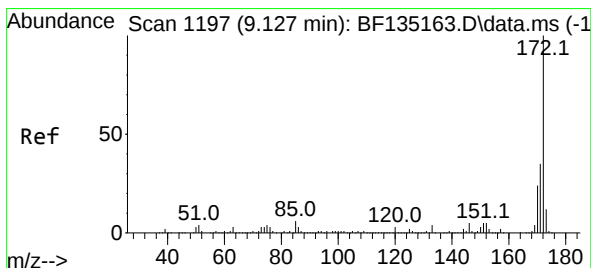
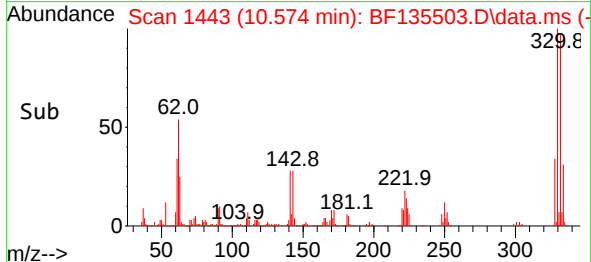
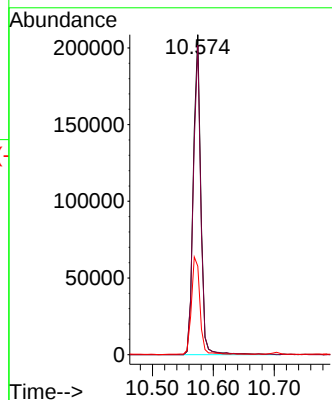
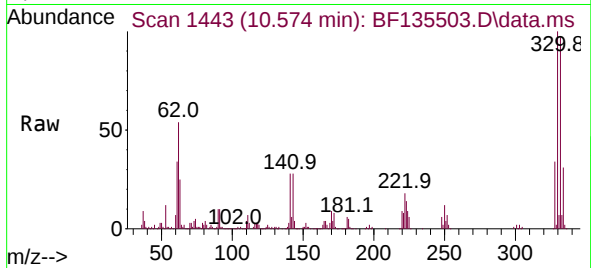




#42
2,4,6-Tribromophenol
Concen: 94.084 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

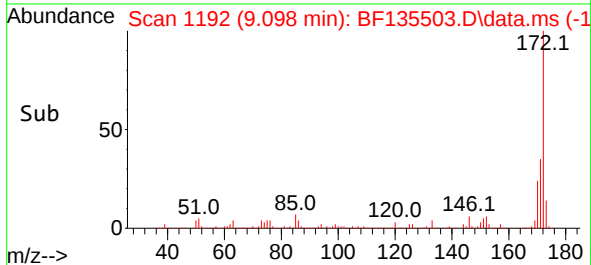
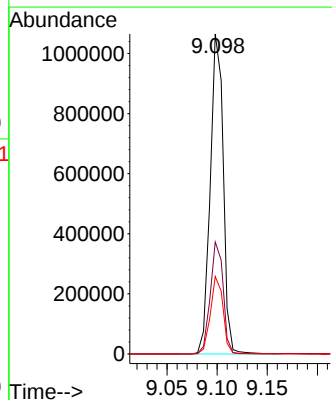
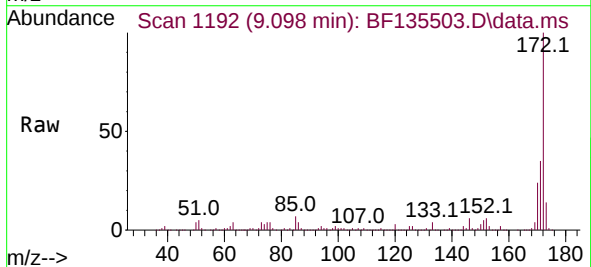
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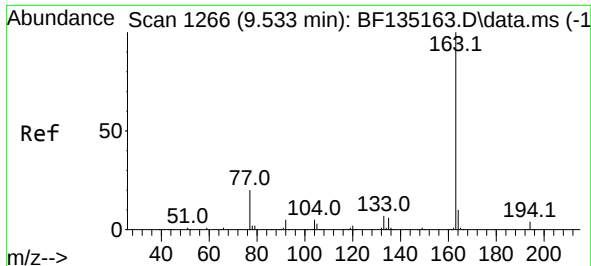
Tgt Ion:330 Resp: 177796
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 35.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 76.542 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion:172 Resp: 964749
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 24.2 19.0 28.4

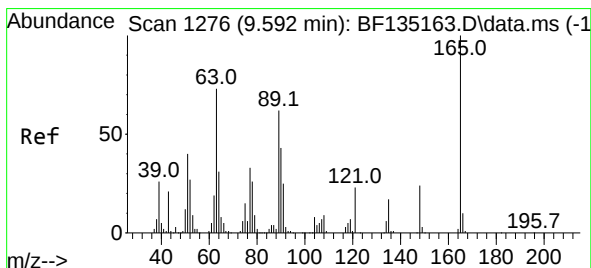
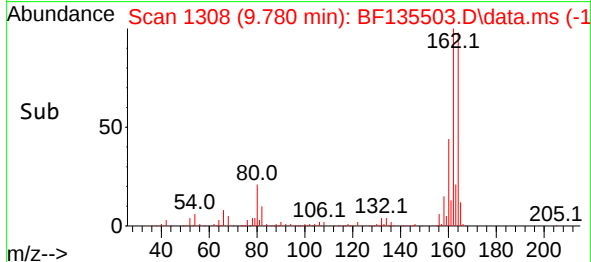
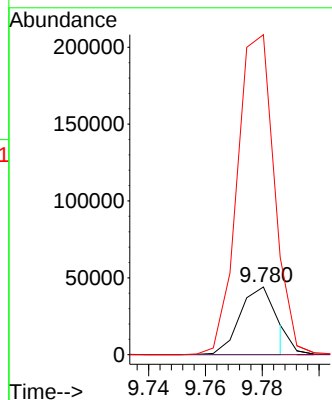
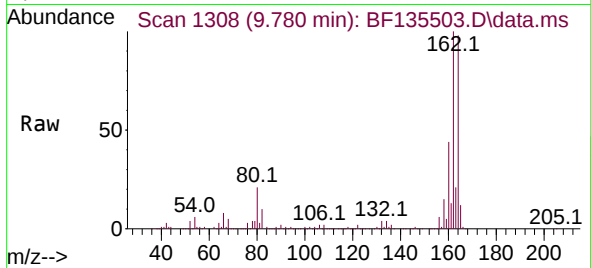




#50
Dimethylphthalate
Concen: 3.045 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.270 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

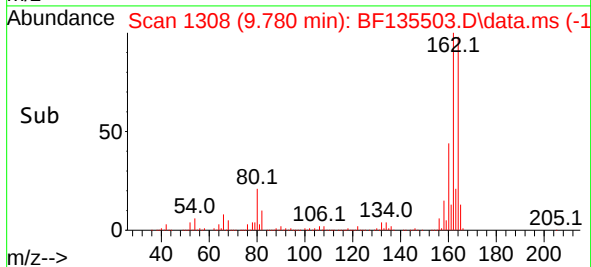
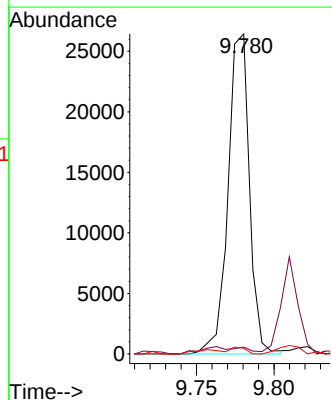
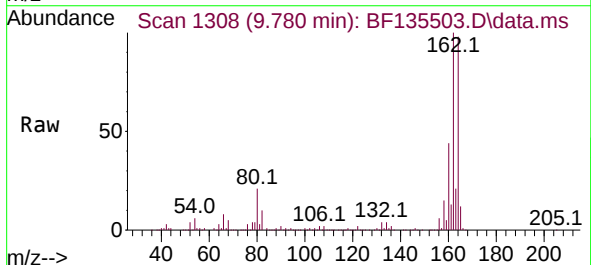
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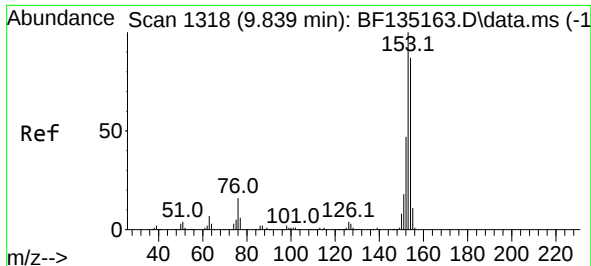
Tgt Ion:163 Resp: 39146
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 472.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.009 ng
RT: 9.780 min Scan# 1308
Delta R.T. 0.200 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion:165 Resp: 25373
Ion Ratio Lower Upper
165 100
63 2.2 59.4 89.2#
89 1.8 49.8 74.8#

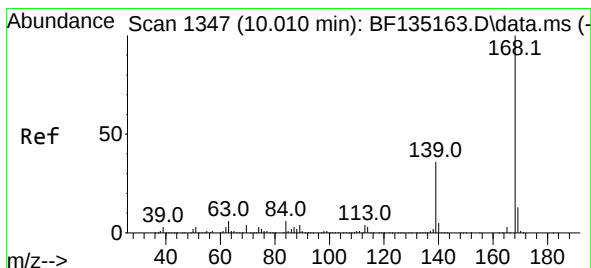
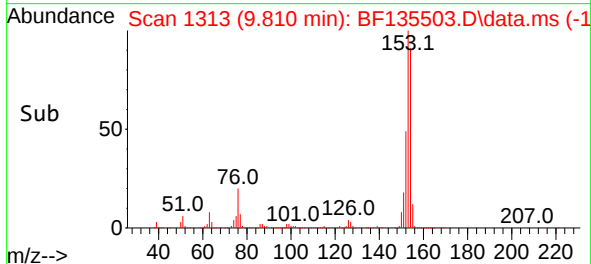
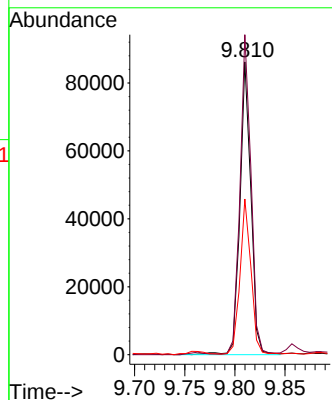
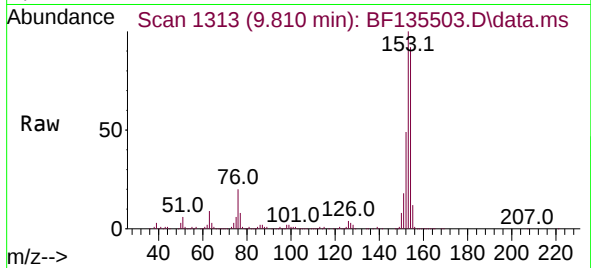




#52
Acenaphthene
Concen: 6.292 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

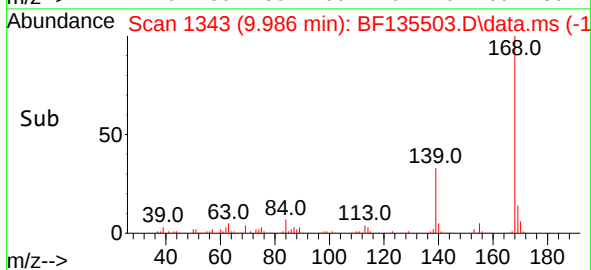
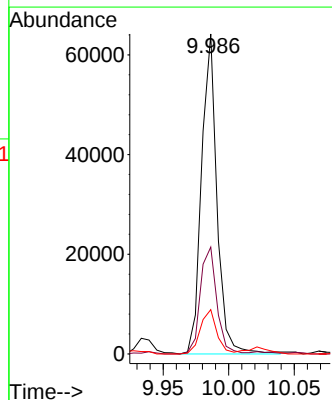
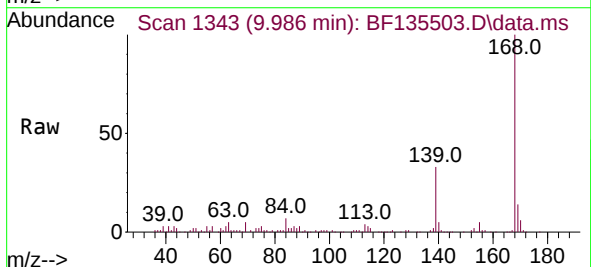
Instrument :
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ClientSampleId :
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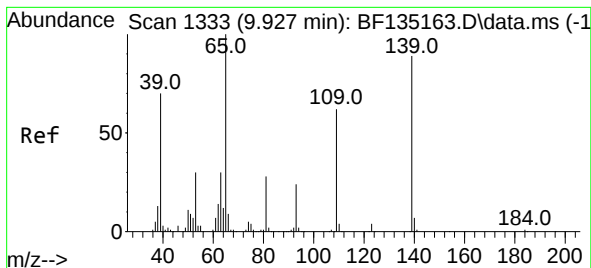
Tgt Ion:154 Resp: 65501
Ion Ratio Lower Upper
154 100
153 109.3 92.1 138.1
152 53.2 43.1 64.7



#55
Dibenzofuran
Concen: 3.327 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion:168 Resp: 52845
Ion Ratio Lower Upper
168 100
139 33.4 29.0 43.6
169 13.9 10.4 15.6





#56

4-Nitrophenol

Concen: 8.983 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.059 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

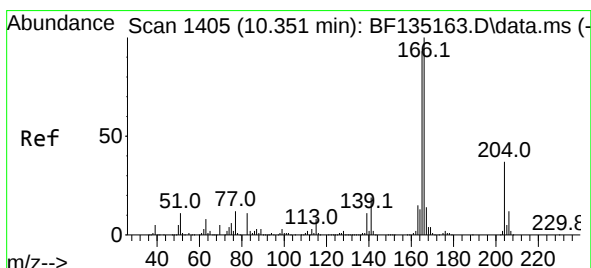
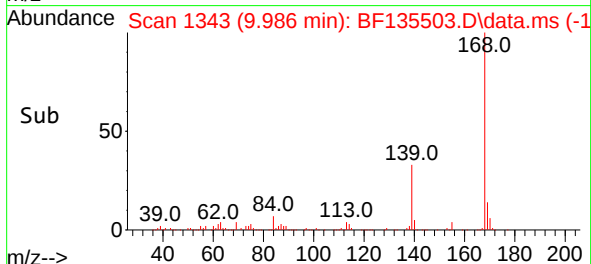
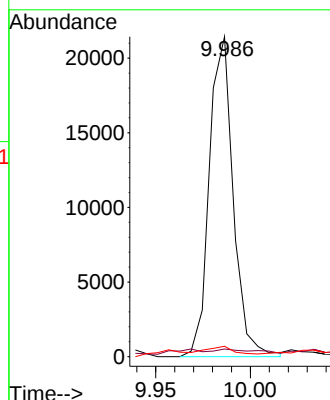
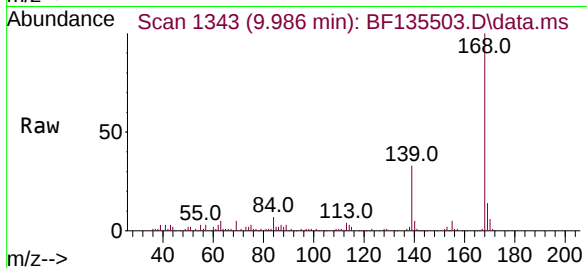
Tgt Ion:139 Resp: 18875

Ion Ratio Lower Upper

139 100

109 2.4 49.8 89.8#

65 3.3 92.7 132.7#



#58

Fluorene

Concen: 5.961 ng

RT: 10.327 min Scan# 1401

Delta R.T. -0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

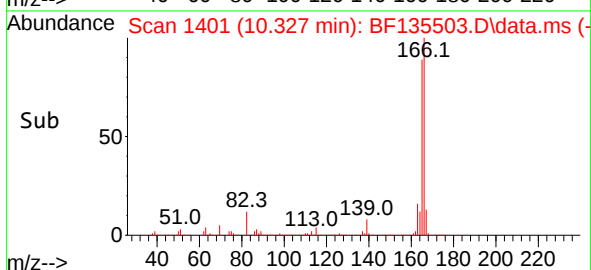
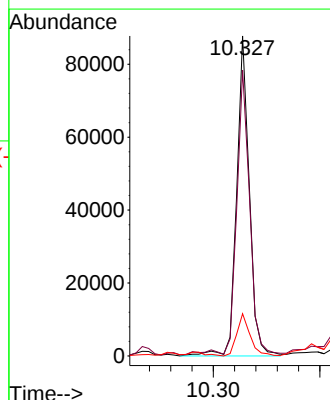
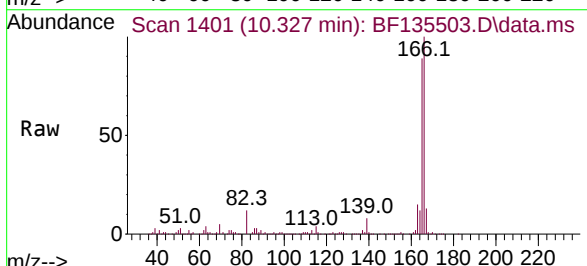
Tgt Ion:166 Resp: 72794

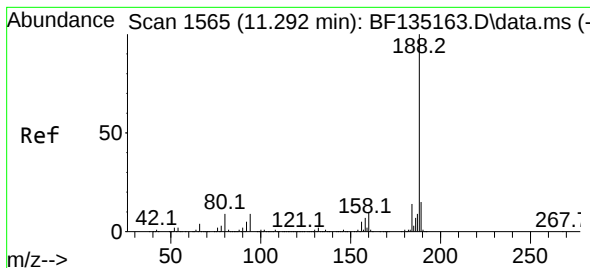
Ion Ratio Lower Upper

166 100

165 89.3 74.3 111.5

167 13.2 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

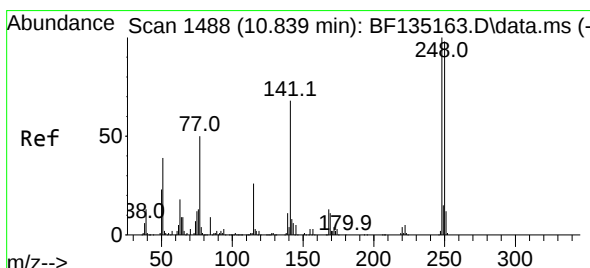
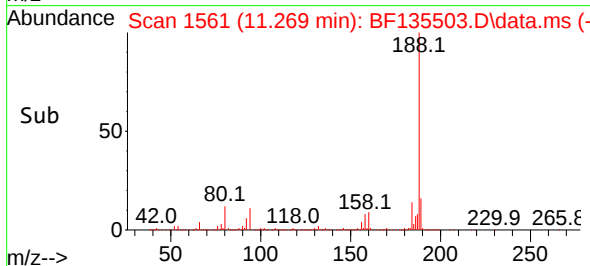
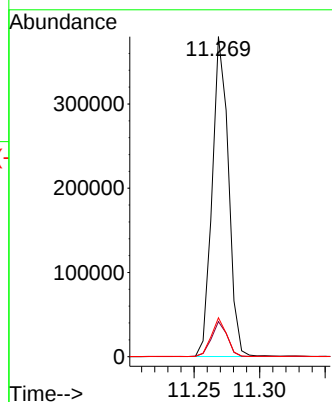
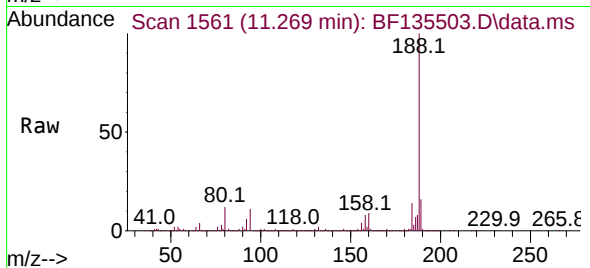
Tgt Ion:188 Resp: 328074

Ion Ratio Lower Upper

188 100

94 10.9 7.0 10.6#

80 12.2 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 3.482 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

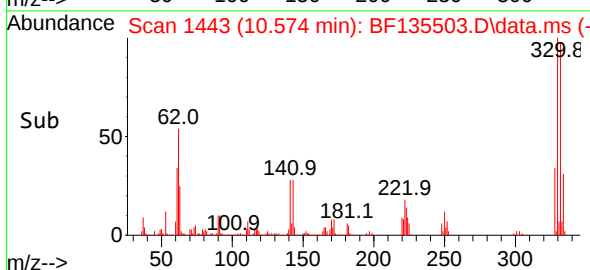
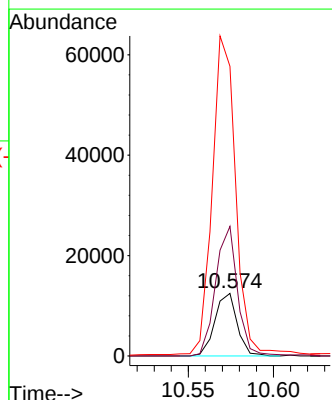
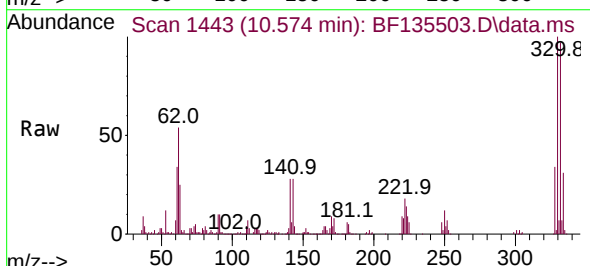
Tgt Ion:248 Resp: 11361

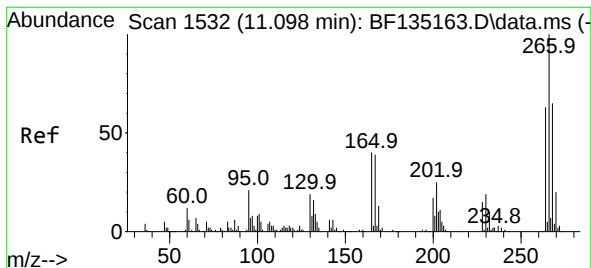
Ion Ratio Lower Upper

248 100

250 207.0 78.6 117.8#

141 462.8 54.2 81.2#





#70

Pentachlorophenol

Concen: 6.289 ng

RT: 11.086 min Scan# 1530

Delta R.T. 0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

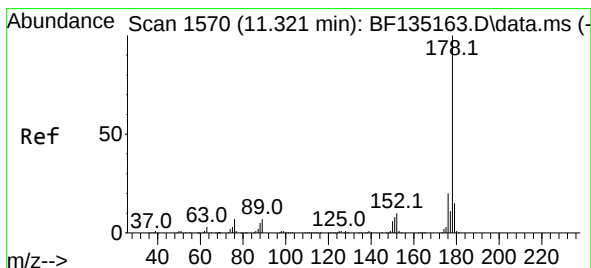
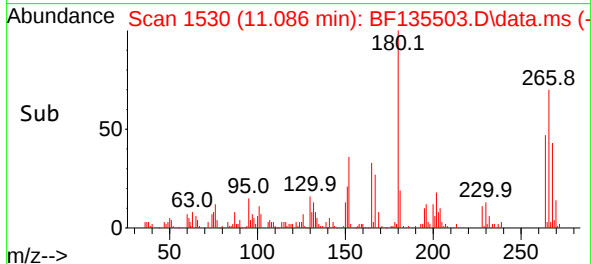
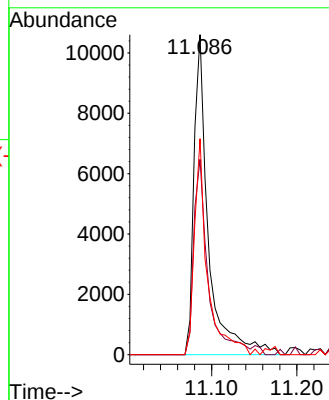
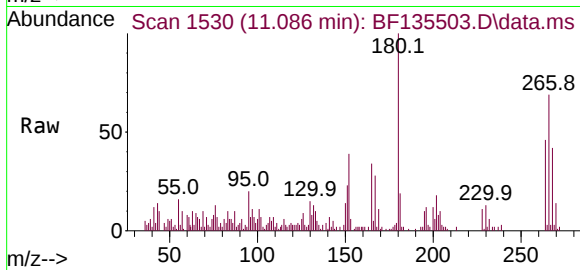
Tgt Ion:266 Resp: 12507

Ion Ratio Lower Upper

266 100

268 61.1 52.1 78.1

264 67.5 50.8 76.2



#71

Phenanthrene

Concen: 27.933 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

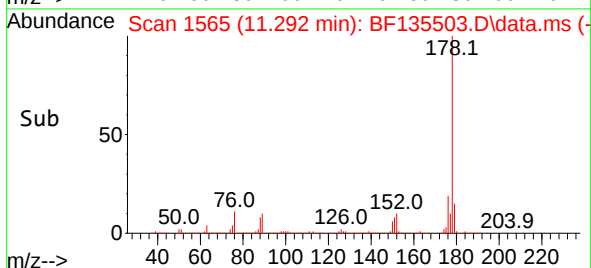
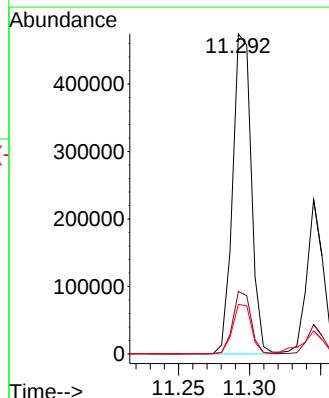
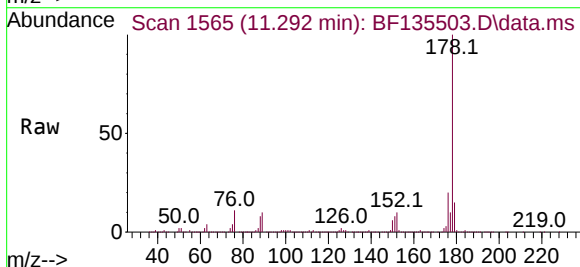
Tgt Ion:178 Resp: 433416

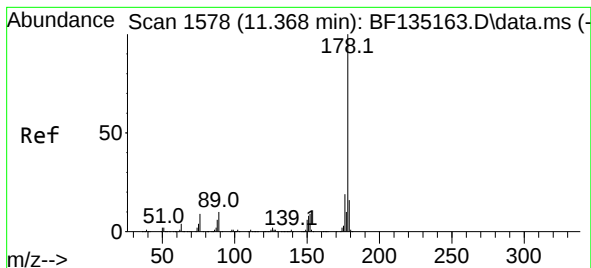
Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.5 12.0 18.0





#72

Anthracene

Concen: 11.247 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

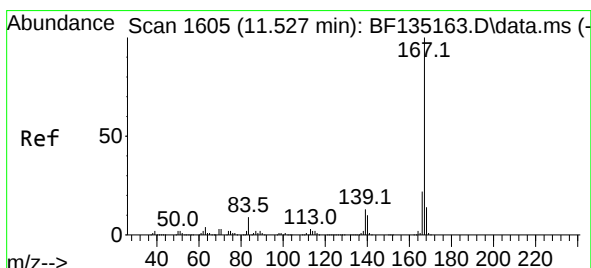
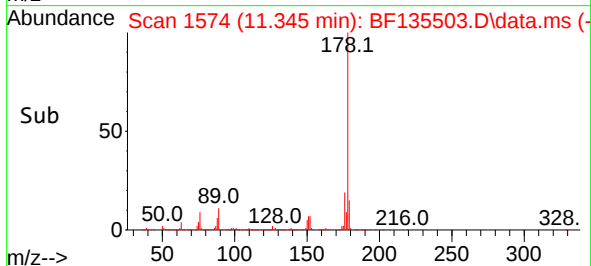
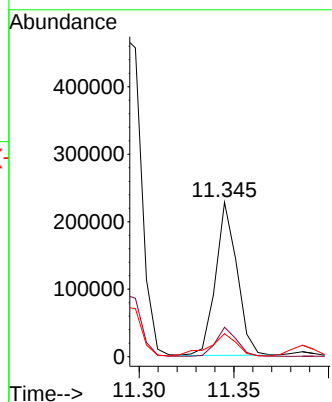
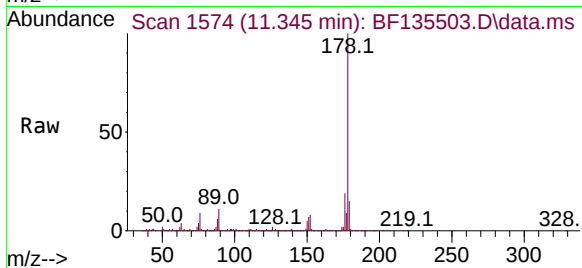
Tgt Ion:178 Resp: 179374

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 14.9 12.6 19.0



#73

Carbazole

Concen: 5.403 ng

RT: 11.510 min Scan# 1602

Delta R.T. -0.000 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

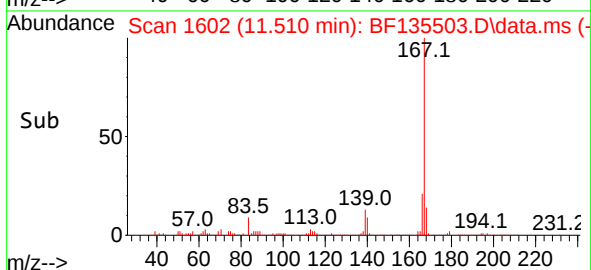
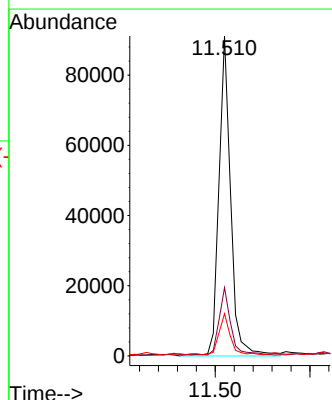
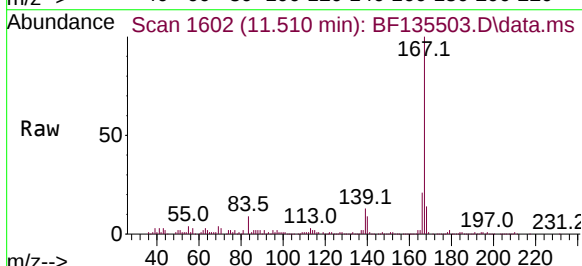
Tgt Ion:167 Resp: 78452

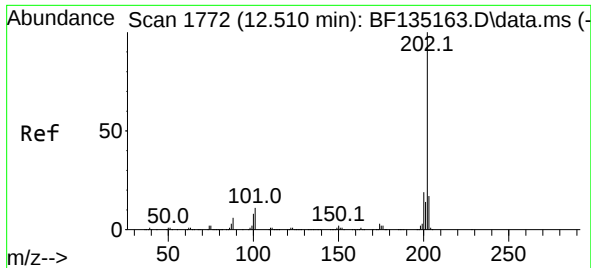
Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.0

139 13.2 10.6 15.8

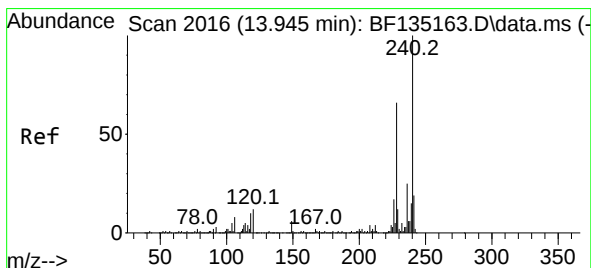
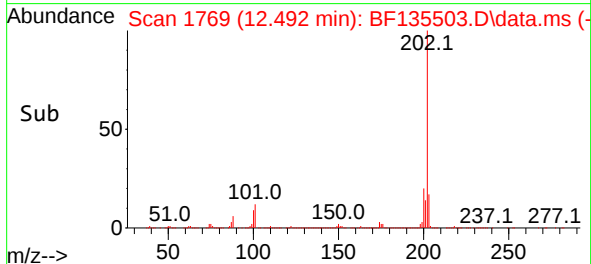
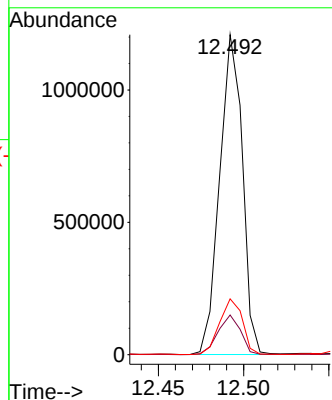
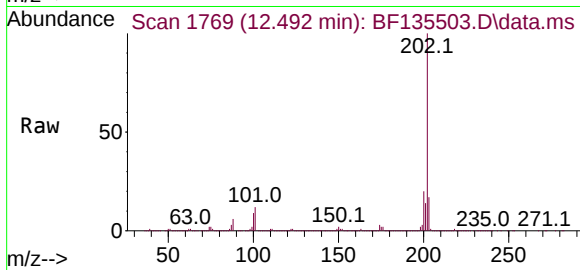




#75
Fluoranthene
Concen: 69.514 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

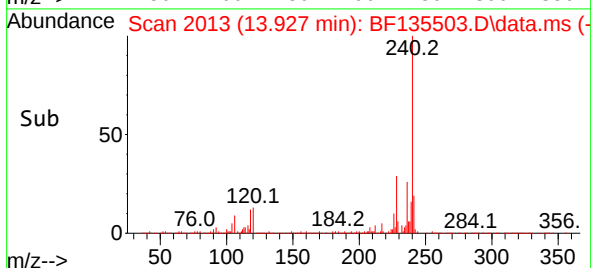
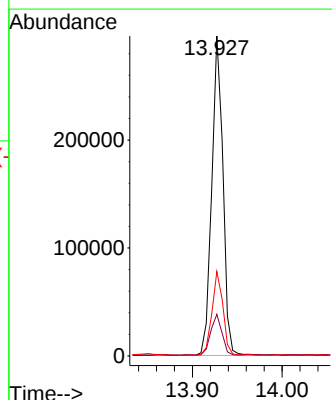
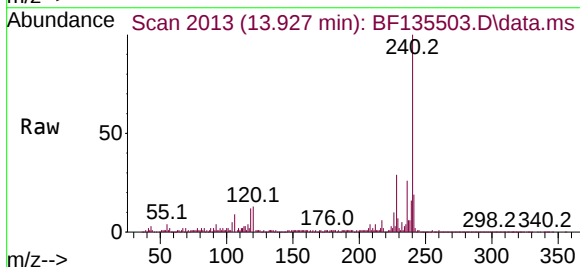
Instrument :
BNA_F
ClientSampleId :
ETGI-287

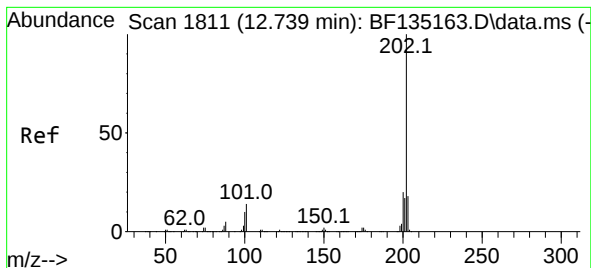
Tgt Ion:202 Resp: 1123899
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.3
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion:240 Resp: 257438
Ion Ratio Lower Upper
240 100
120 13.0 9.4 14.2
236 26.4 19.8 29.8





#78

Pyrene

Concen: 33.046 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.000 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

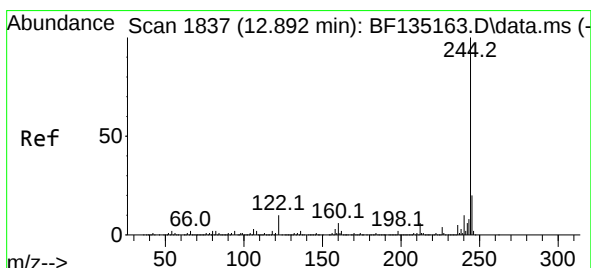
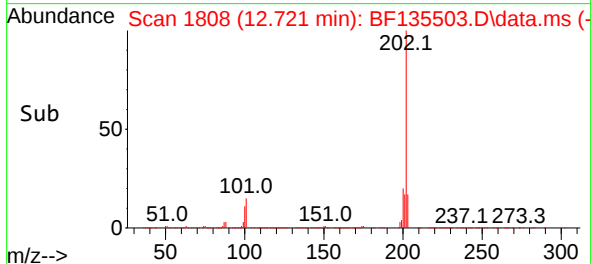
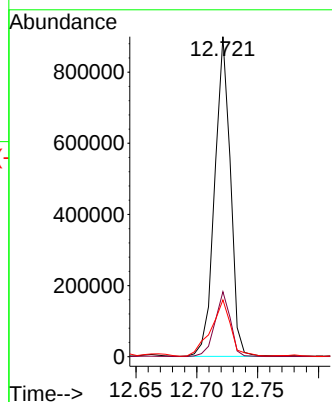
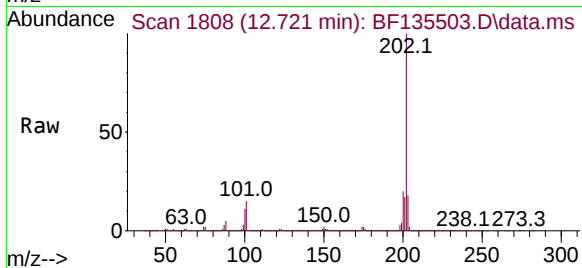
Tgt Ion:202 Resp: 809963

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 54.974 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.000 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

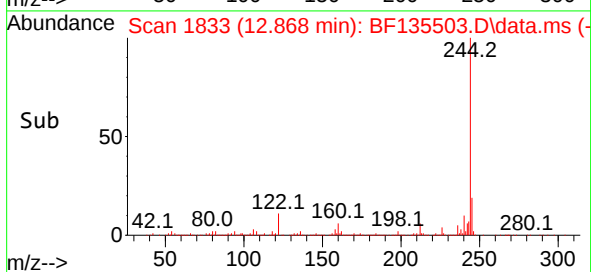
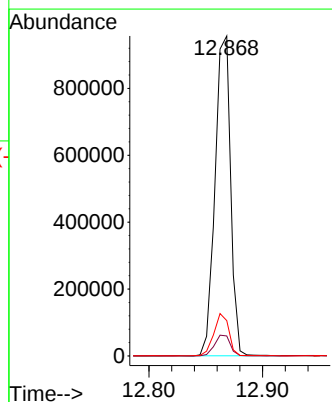
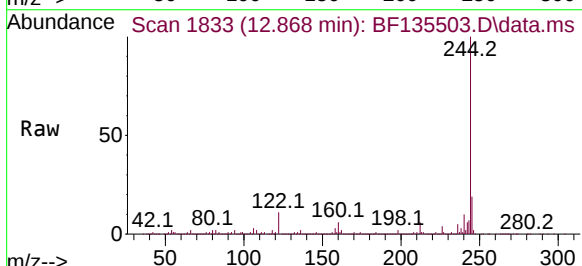
Tgt Ion:244 Resp: 912946

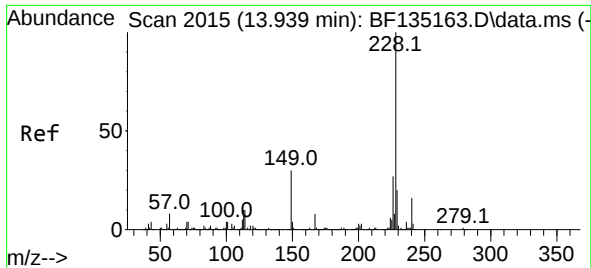
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 11.0 7.9 11.9

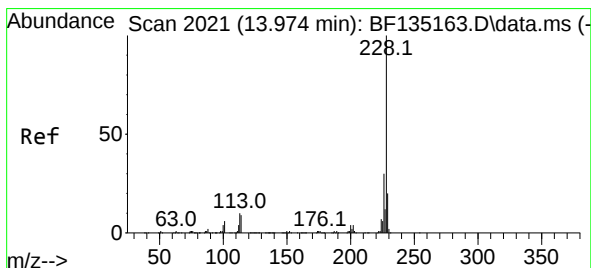
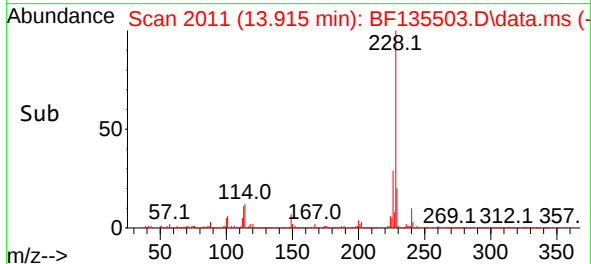
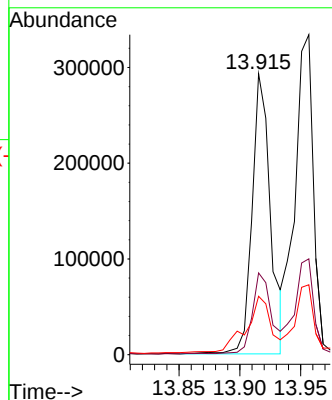
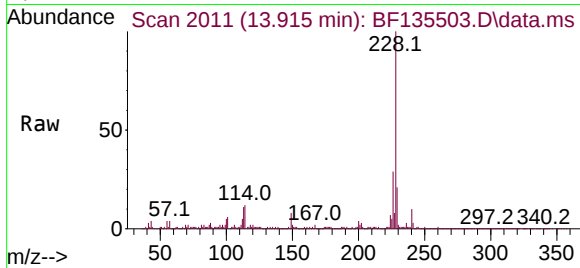




#81
Benzo(a)anthracene
Concen: 18.449 ng
RT: 13.915 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

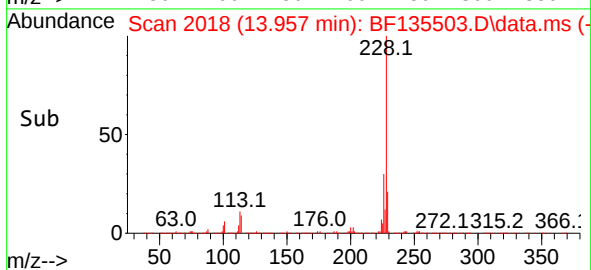
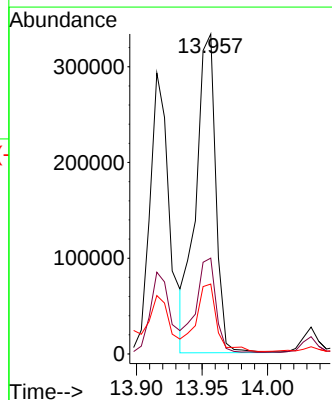
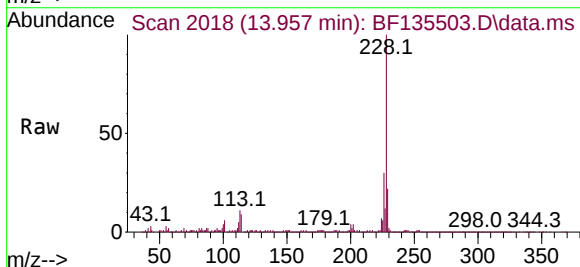
Instrument :
BNA_F
ClientSampleId :
ETGI-287

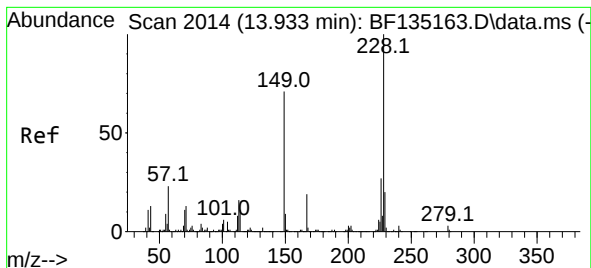
Tgt Ion:228 Resp: 306680
Ion Ratio Lower Upper
228 100
226 29.1 21.7 32.5
229 20.8 15.8 23.8



#83
Chrysene
Concen: 21.424 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion:228 Resp: 354081
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.9 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.880 ng

RT: 13.910 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

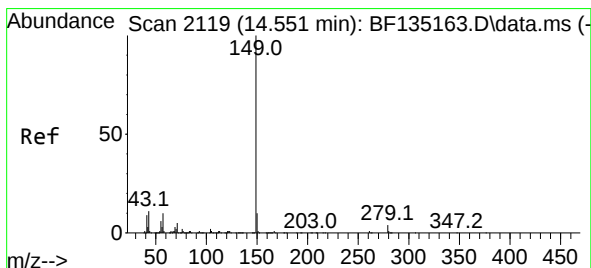
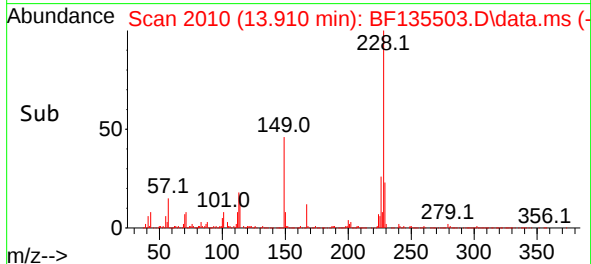
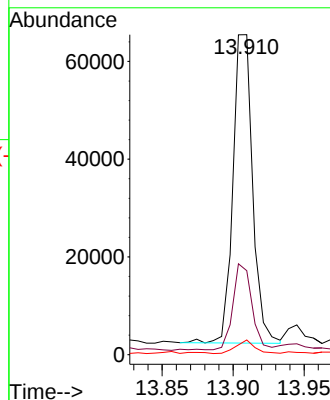
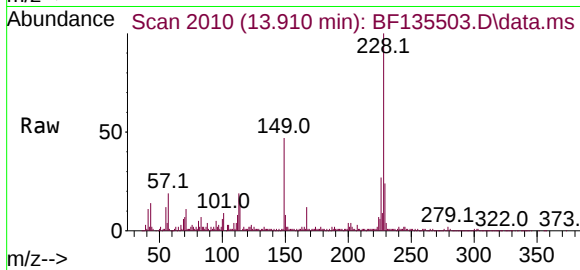
Tgt Ion:149 Resp: 60924

Ion Ratio Lower Upper

149 100

167 26.2 21.9 32.9

279 4.6 3.3 4.9



#85

Di-n-octyl phthalate

Concen: 6.114 ng

RT: 14.521 min Scan# 2114

Delta R.T. -0.000 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

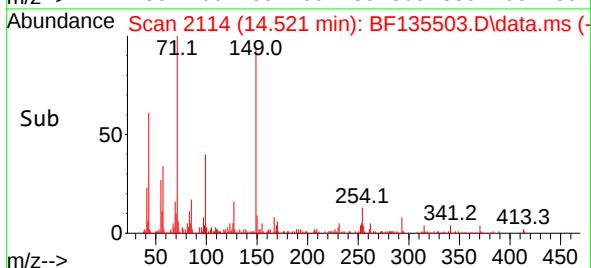
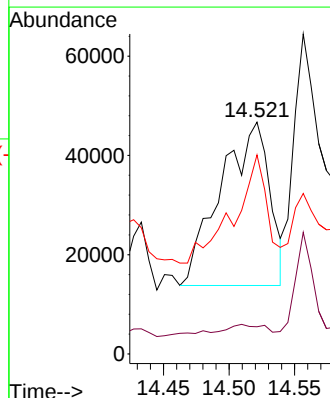
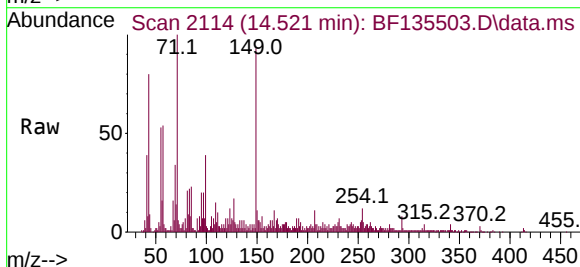
Tgt Ion:149 Resp: 86036

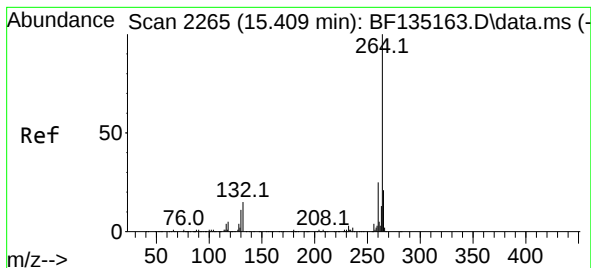
Ion Ratio Lower Upper

149 100

167 14.0 1.1 1.7#

43 50.2 9.8 14.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

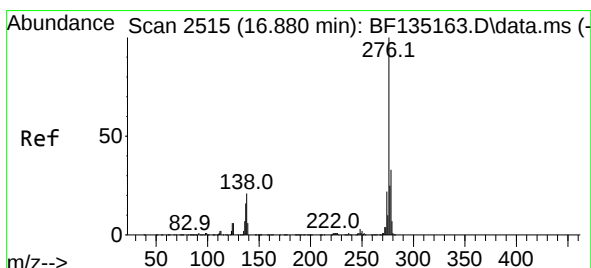
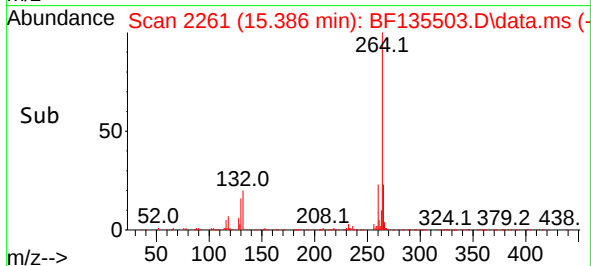
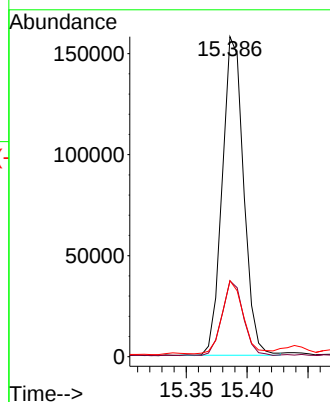
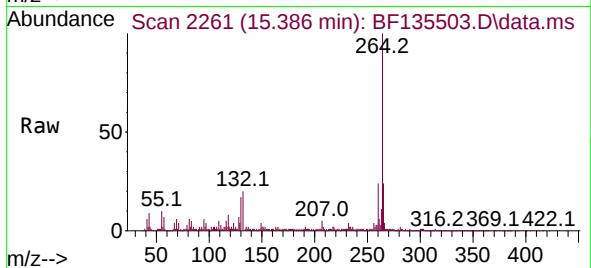
Tgt Ion:264 Resp: 192436

Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.6

265 23.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.365 ng

RT: 16.862 min Scan# 2512

Delta R.T. 0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

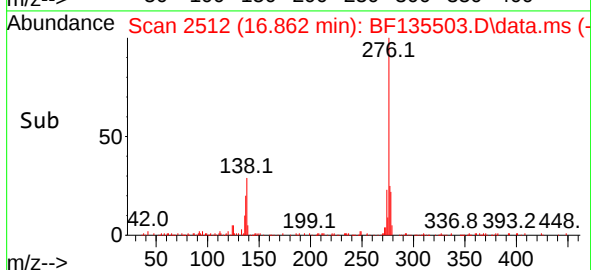
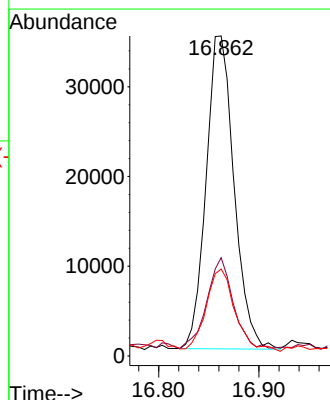
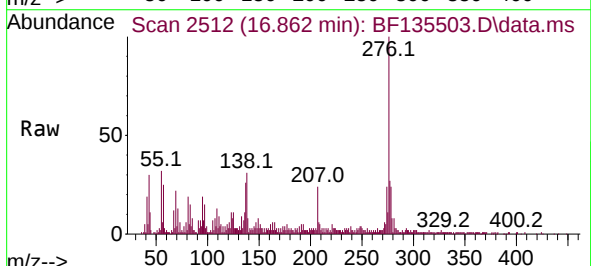
Tgt Ion:276 Resp: 67698

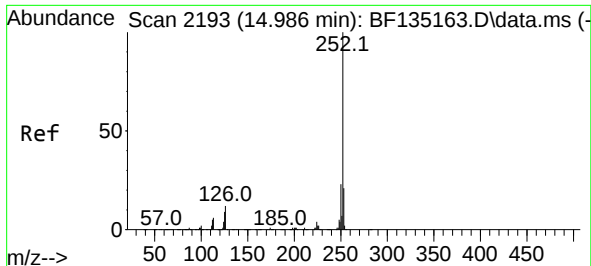
Ion Ratio Lower Upper

276 100

138 27.2 19.2 28.8

277 27.3 19.7 29.5

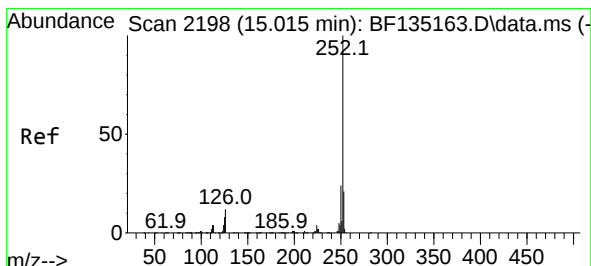
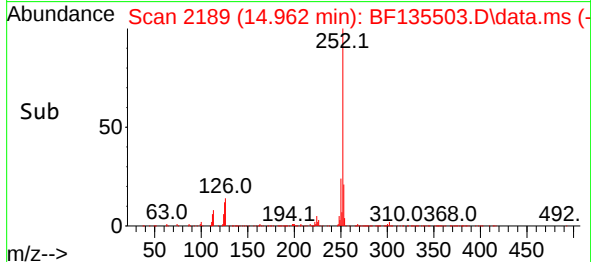
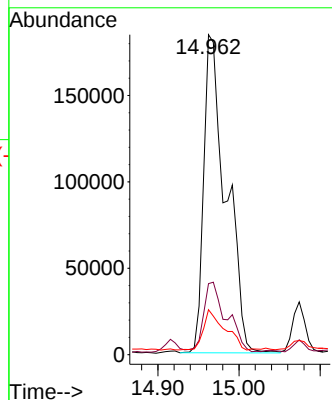
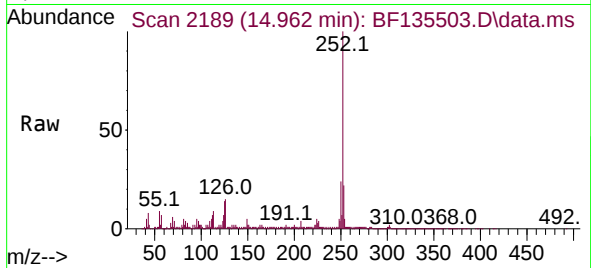




#88
Benzo(b)fluoranthene
Concen: 33.786 ng
RT: 14.962 min Scan# 2189
Delta R.T. -0.000 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

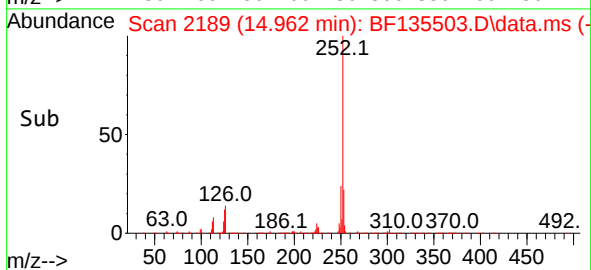
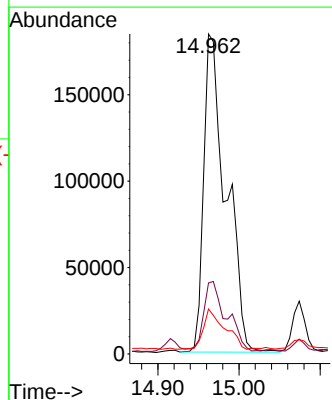
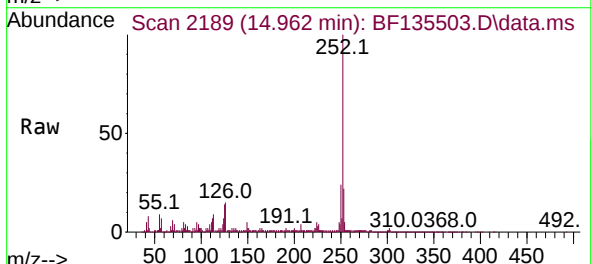
Instrument :
BNA_F
ClientSampleId :
ETGI-287

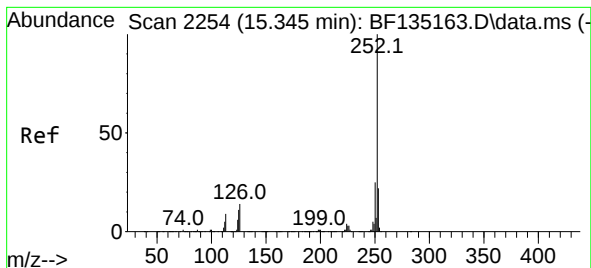
Tgt Ion:252 Resp: 351959
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 14.0 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 34.203 ng
RT: 14.962 min Scan# 2189
Delta R.T. -0.024 min
Lab File: BF135503.D
Acq: 28 Sep 2023 20:10

Tgt Ion:252 Resp: 351959
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 14.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 12.408 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287

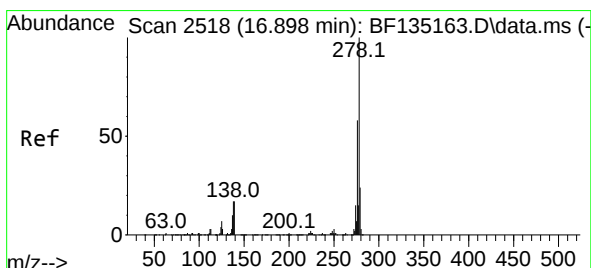
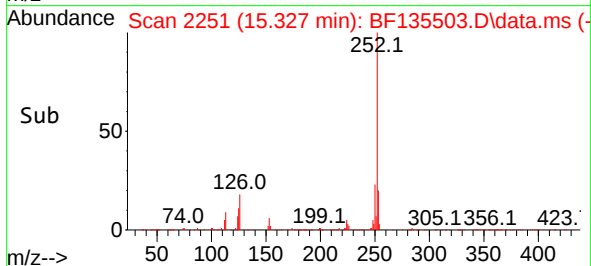
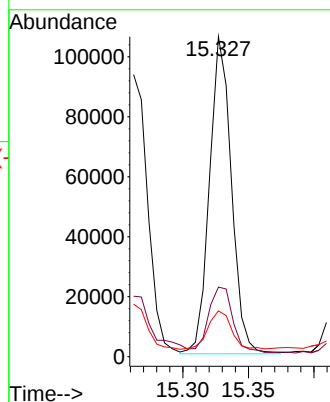
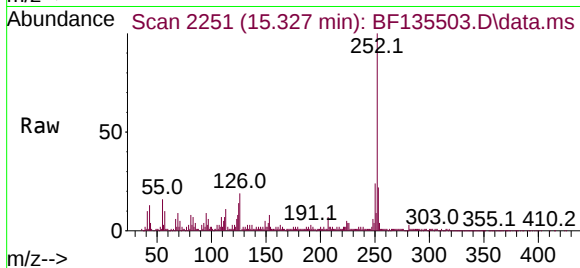
Tgt Ion:252 Resp: 123264

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 14.3 9.2 13.8#



#91

Dibenzo(a,h)anthracene

Concen: 2.027 ng

RT: 16.856 min Scan# 2511

Delta R.T. -0.012 min

Lab File: BF135503.D

Acq: 28 Sep 2023 20:10

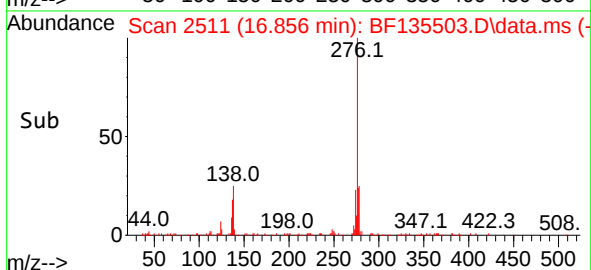
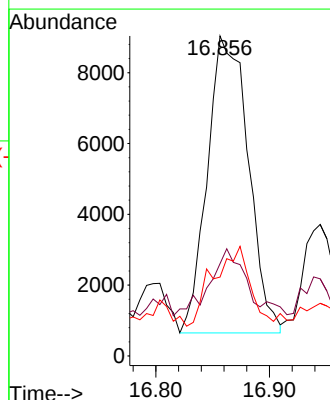
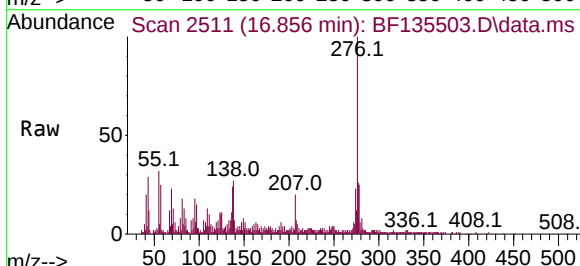
Tgt Ion:278 Resp: 20927

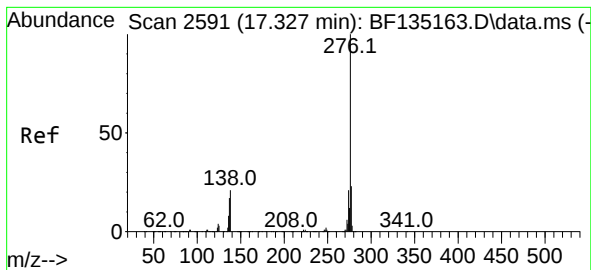
Ion Ratio Lower Upper

278 100

139 28.9 13.4 20.0#

279 24.7 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 6.016 ng

RT: 17.309 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135503.D

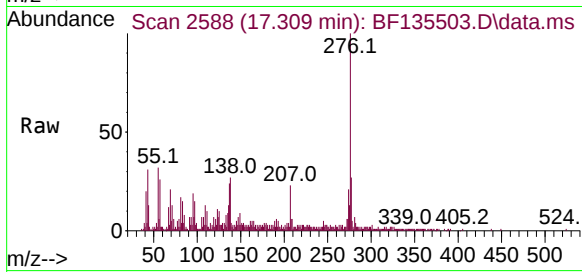
Acq: 28 Sep 2023 20:10

Instrument :

BNA_F

ClientSampleId :

ETGI-287



Tgt Ion:276 Resp: 64862

Ion Ratio Lower Upper

276 100

277 27.1 18.8 28.2

138 27.2 16.9 25.3#

