

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133253.D
 Acq On : 05 May 2023 02:46
 Operator : CG\JU
 Sample : 02598-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-328

Quant Time: May 05 05:35:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

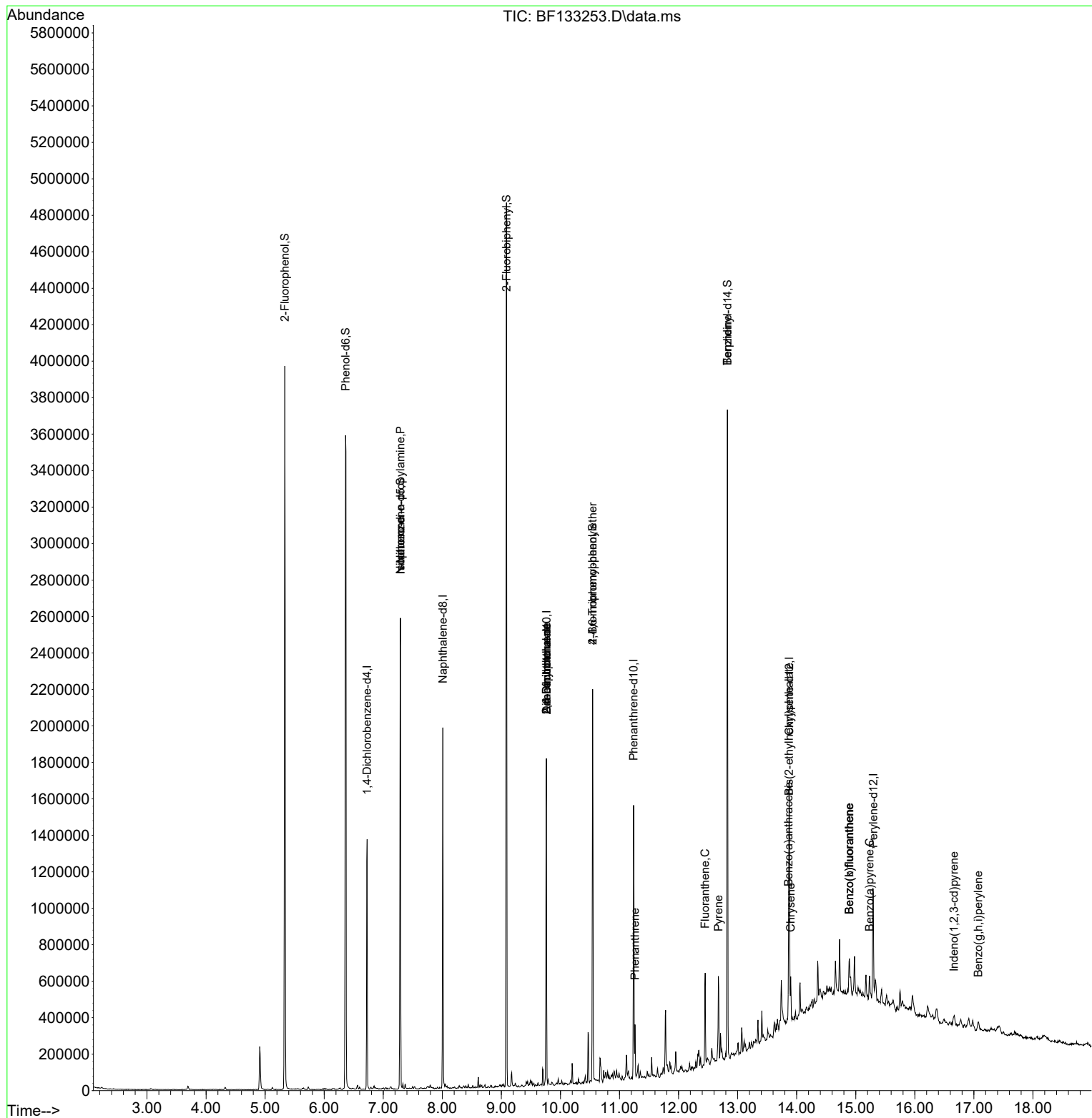
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	191650	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	734823	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	345811	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	508831	20.000	ng	0.00
76) Chrysene-d12	13.874	240	351790	20.000	ng	-0.01
86) Perylene-d12	15.298	264	272742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1129952	89.064	ng	0.00
7) Phenol-d6	6.363	99	1372855	87.181	ng	-0.01
23) Nitrobenzene-d5	7.292	82	818677	60.136	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	234171	67.333	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	1358846	65.740	ng	0.00
79) Terphenyl-d14	12.827	244	1124342	55.121	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	1381	Below Cal	Qvalue	# 79
19) n-Nitroso-di-n-propyla...	7.292	70	109796	11.200	ng	# 77
25) Isophorone	7.292	82	816293	31.581	ng	# 63
50) Dimethylphthalate	9.763	163	70870	2.939	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	44598	8.218	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	44598	6.444	ng	# 24
67) 4-Bromophenyl-phenylether	10.545	248	15155	2.746	ng	# 1
71) Phenanthrene	11.263	178	93636	3.424	ng	98
75) Fluoranthene	12.451	202	192129	7.000	ng	95
77) Benzidine	12.827	184	14436	2.427	ng	98
78) Pyrene	12.674	202	180986	6.002	ng	99
81) Benzo(a)anthracene	13.863	228	83866	3.467	ng	98
83) Chrysene	13.898	228	93730	3.875	ng	98
84) Bis(2-ethylhexyl)phtha...	13.868	149	51347	3.831	ng	99
87) Indeno(1,2,3-cd)pyrene	16.662	276	32605	2.102	ng	98
88) Benzo(b)fluoranthene	14.892	252	127832	7.367	ng	# 92
89) Benzo(k)fluoranthene	14.892	252	127832	7.432	ng	# 92
90) Benzo(a)pyrene	15.233	252	51761	3.277	ng	# 93
92) Benzo(g,h,i)perylene	17.074	276	33653	2.634	ng	95

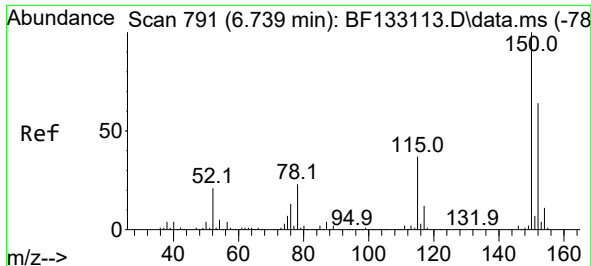
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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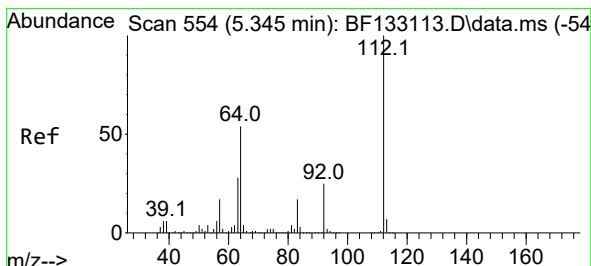
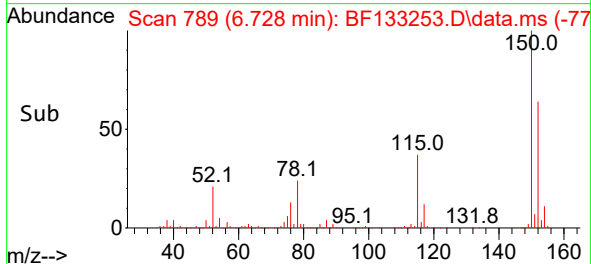
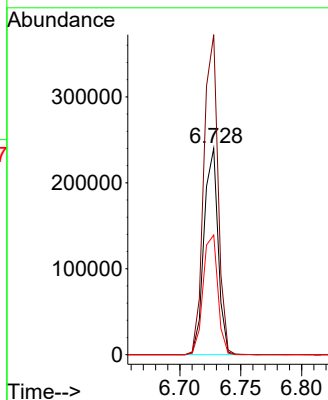
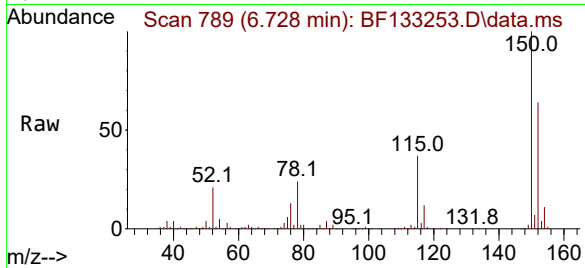




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133253.D
 Acq: 05 May 2023 02:46

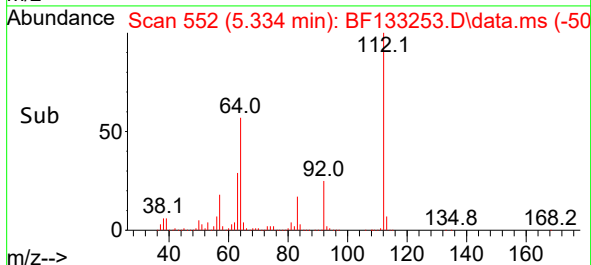
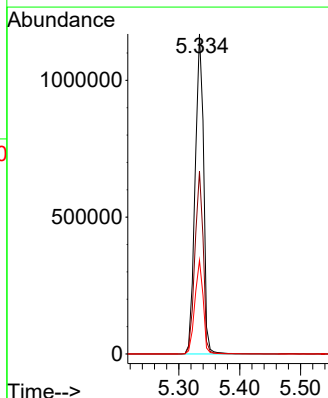
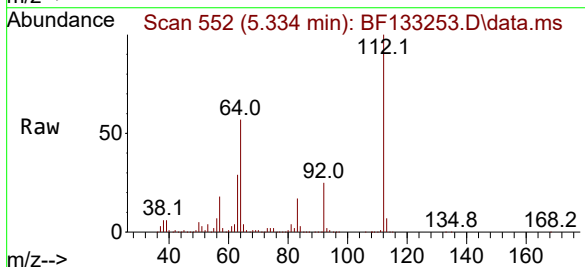
Instrument :
 BNA_F
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 ETGI-328

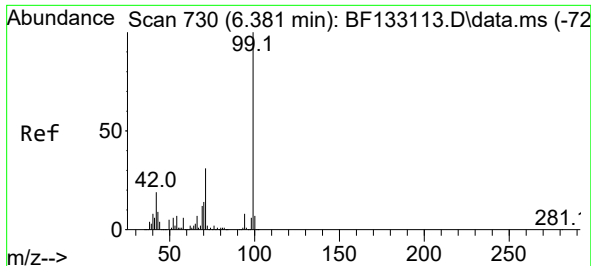
Tgt Ion:152 Resp: 191650
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.8 187.2
 115 58.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 89.064 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.000 min
 Lab File: BF133253.D
 Acq: 05 May 2023 02:46

Tgt Ion:112 Resp: 1129952
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.8 70.2
 63 29.3 23.8 35.8

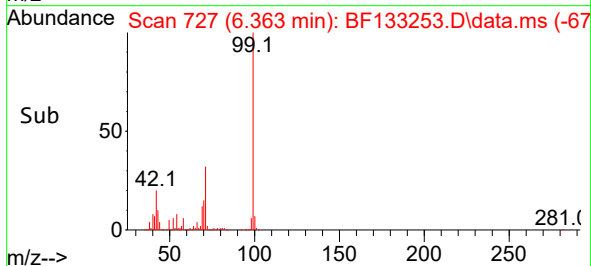
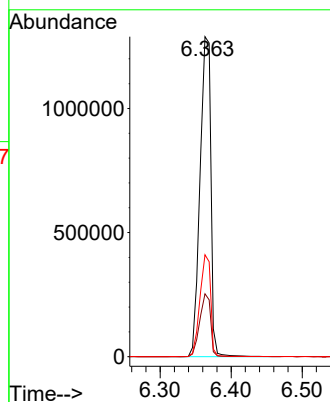
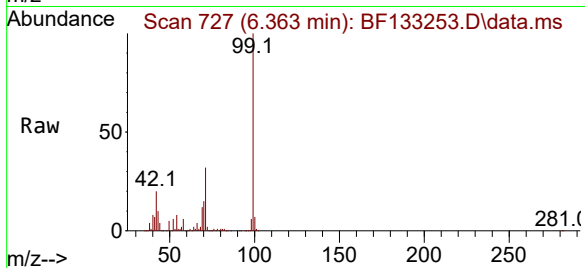




#7
Phenol-d6
Concen: 87.181 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

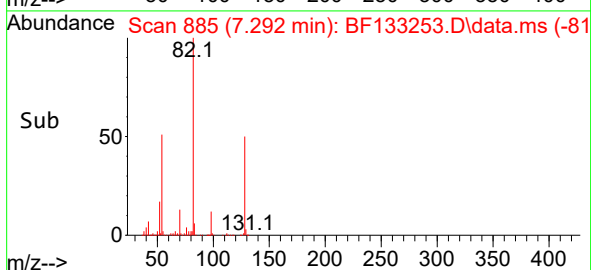
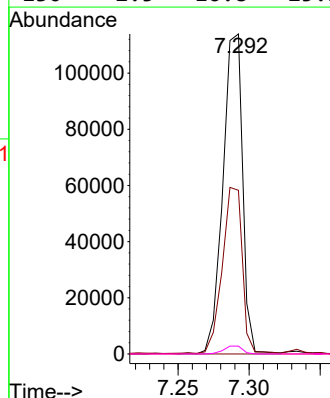
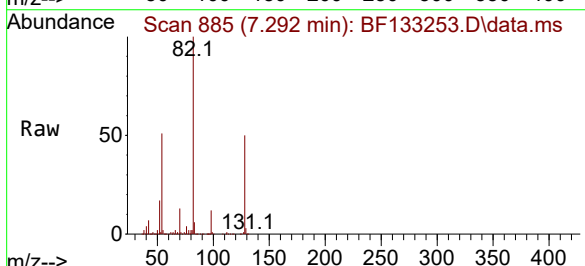
Instrument :
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ClientSampleId :
ETGI-328

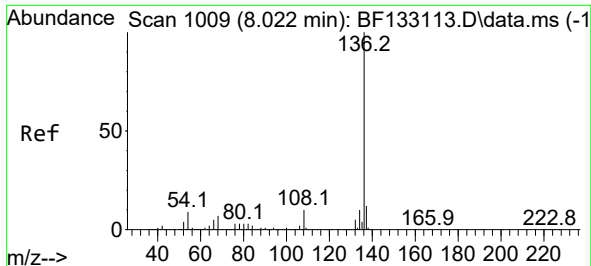
Tgt Ion: 99 Resp: 1372855
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.200 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion: 70 Resp: 109796
Ion Ratio Lower Upper
70 100
42 51.2 51.8 77.6#
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

Instrument :

BNA_F

ClientSampleId :

ETGI-328

Tgt Ion:136 Resp: 734823

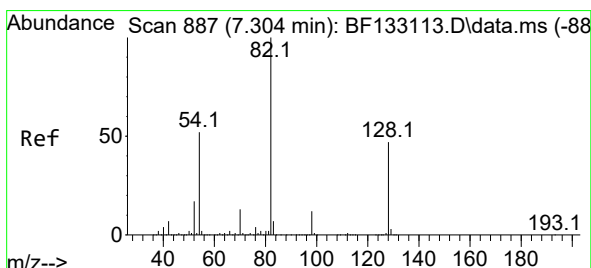
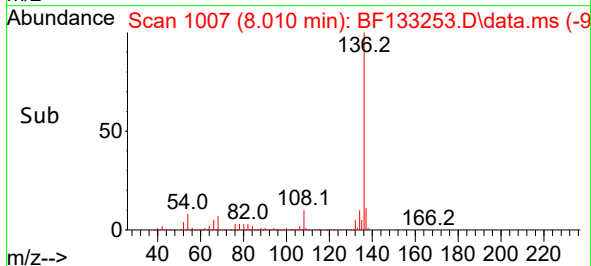
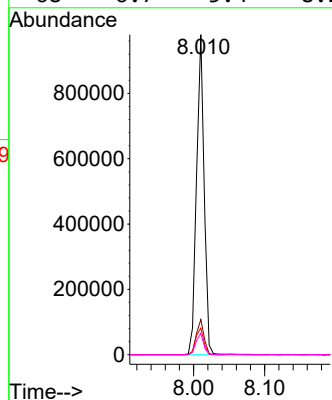
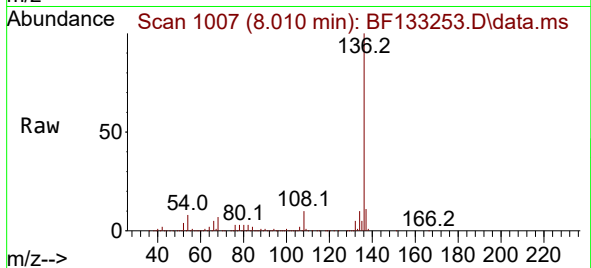
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.3 7.0 10.4

68 6.7 5.4 8.2



#23

Nitrobenzene-d5

Concen: 60.136 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

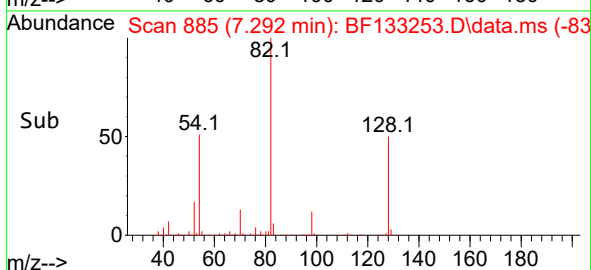
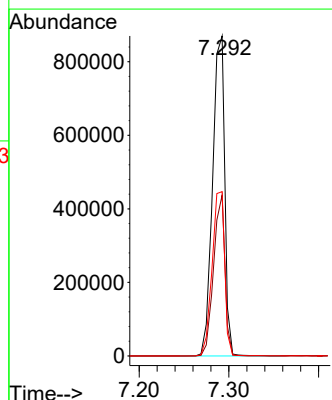
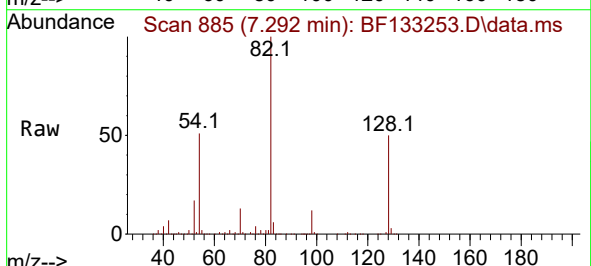
Tgt Ion: 82 Resp: 818677

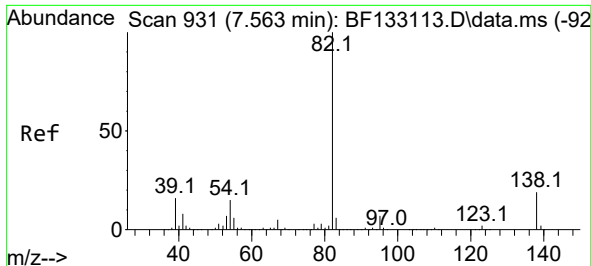
Ion Ratio Lower Upper

82 100

128 50.3 37.7 56.5

54 51.4 43.0 64.4

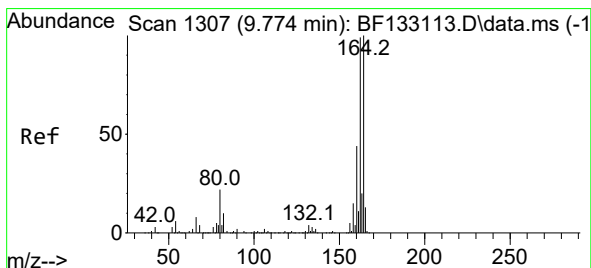
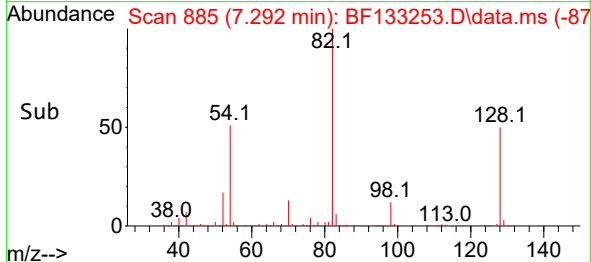
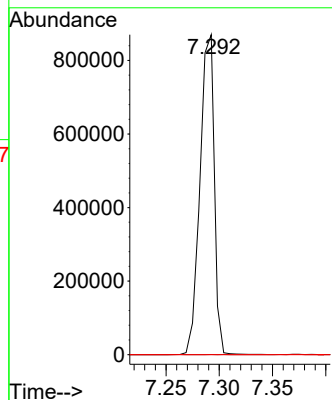
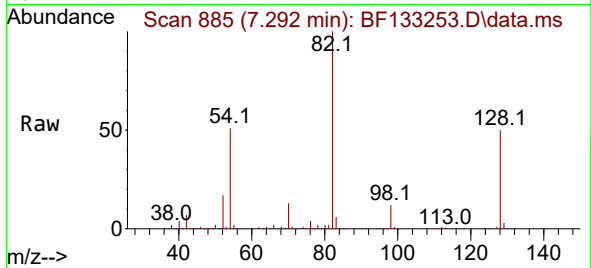




#25
Isophorone
Concen: 31.581 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

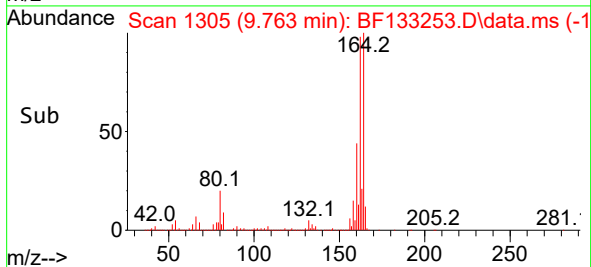
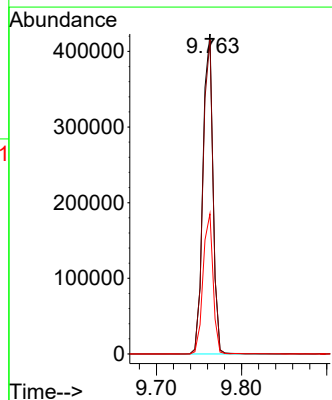
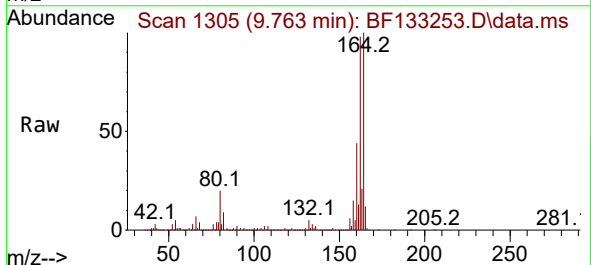
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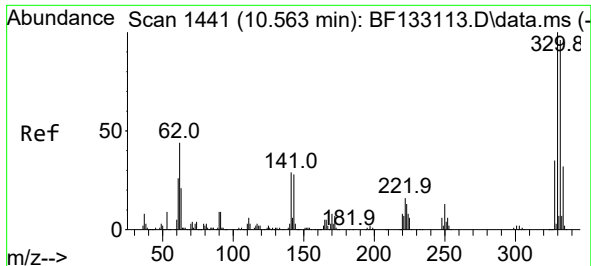
Tgt Ion: 82 Resp: 816293
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

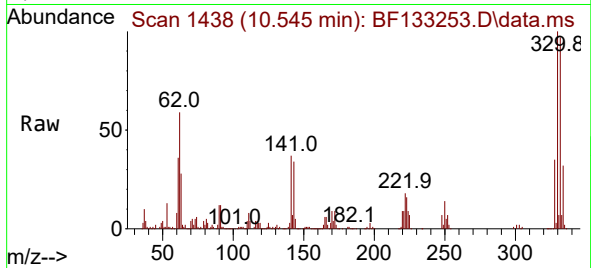
Tgt Ion: 164 Resp: 345811
Ion Ratio Lower Upper
164 100
162 98.1 78.7 118.1
160 43.8 35.8 53.6



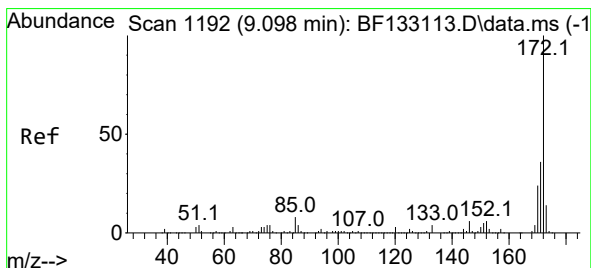
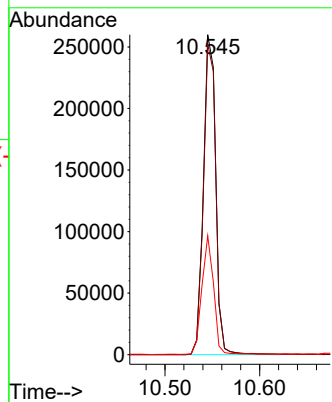
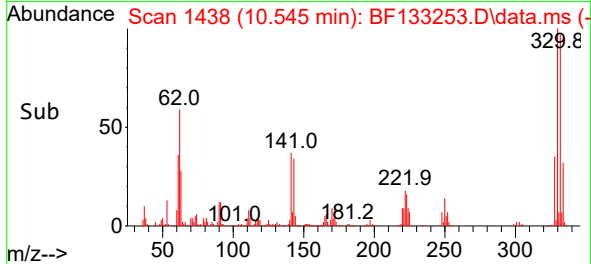


#42
2,4,6-Tribromophenol
Concen: 67.333 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

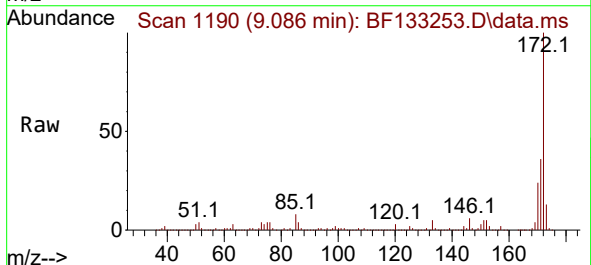
Instrument :
BNA_F
ClientSampleId :
ETGI-328



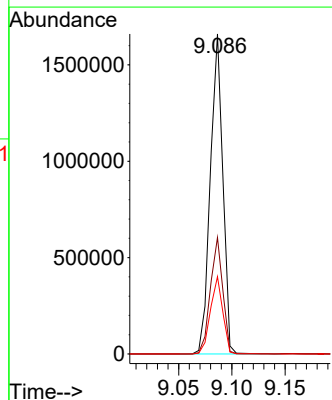
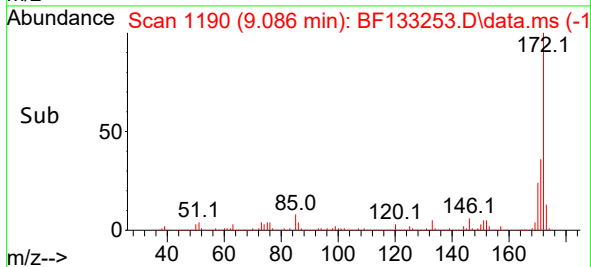
Tgt Ion:330 Resp: 234171
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 35.8 25.8 38.8

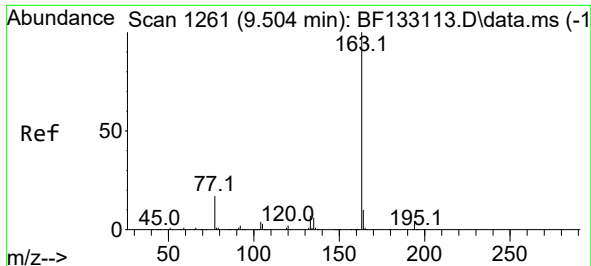


#45
2-Fluorobiphenyl
Concen: 65.740 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46



Tgt Ion:172 Resp: 1358846
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.1 19.4 29.2

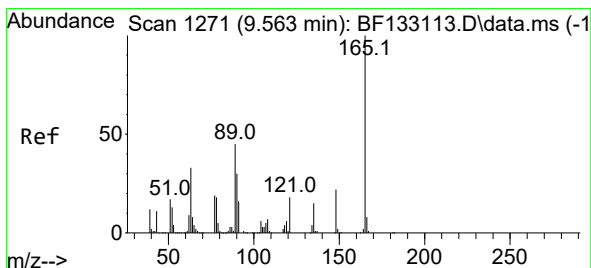
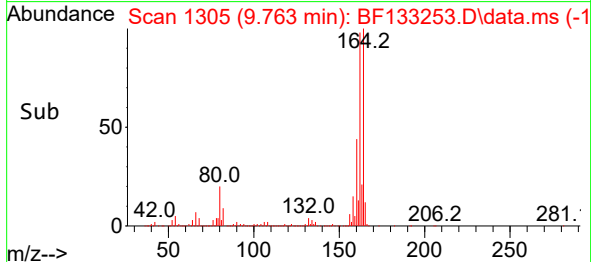
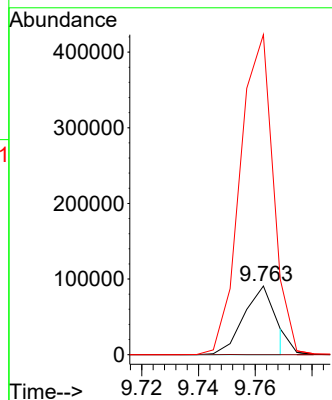
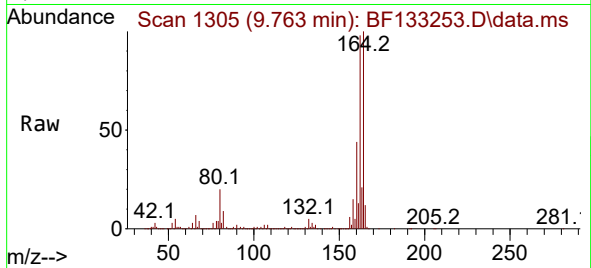




#50
Dimethylphthalate
Concen: 2.939 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

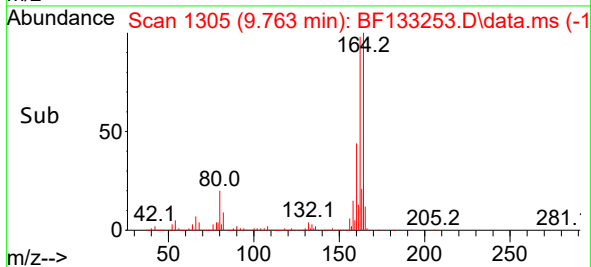
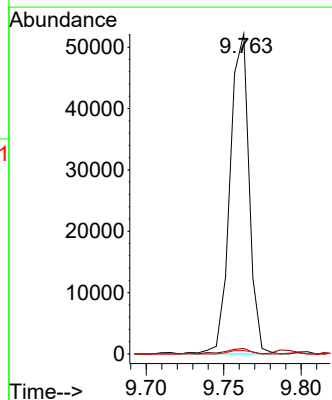
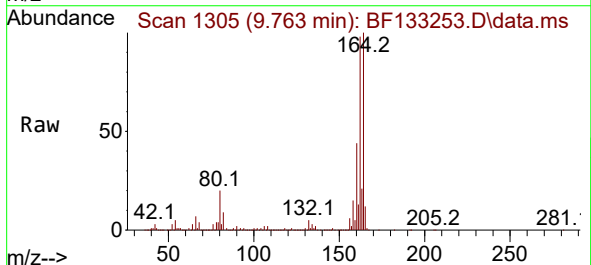
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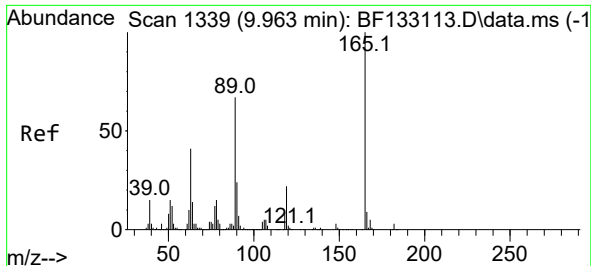
Tgt Ion:163 Resp: 70870
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 466.5 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.218 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion:165 Resp: 44598
Ion Ratio Lower Upper
165 100
63 1.7 45.9 68.9#
89 1.0 44.0 66.0#

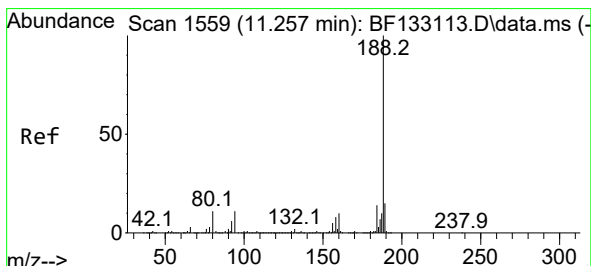
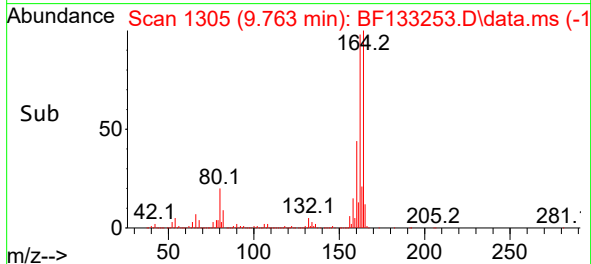
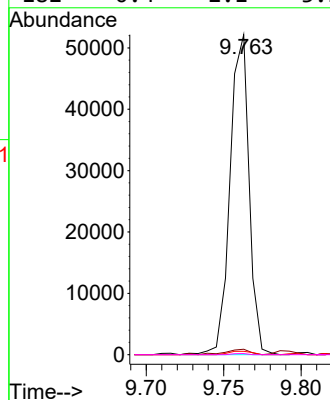
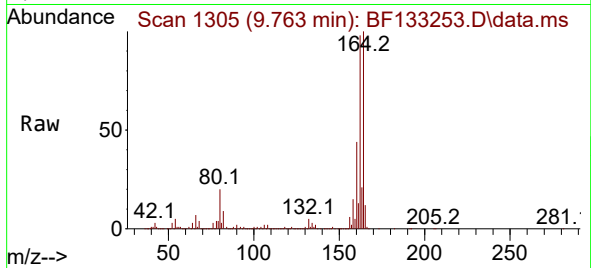




#57
2,4-Dinitrotoluene
Concen: 6.444 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

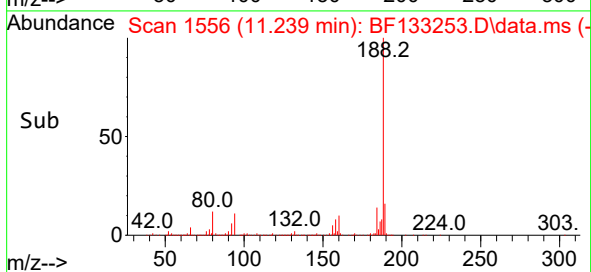
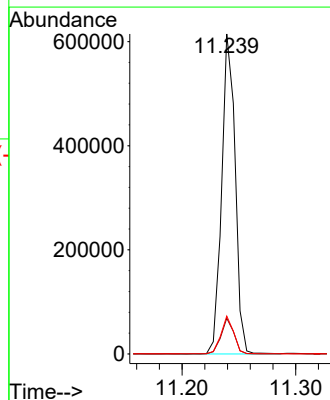
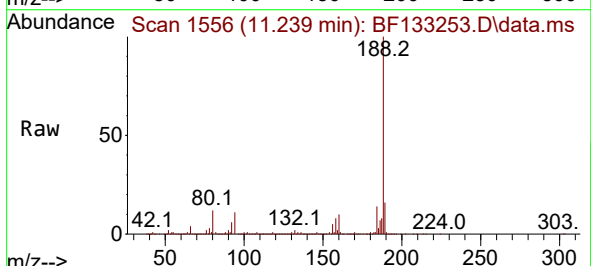
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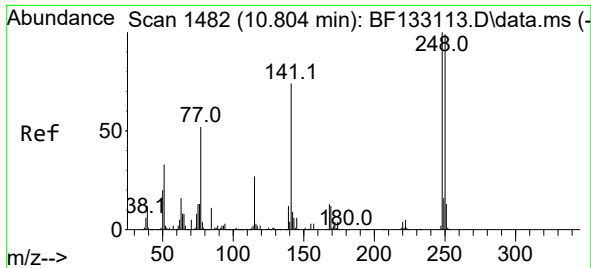
Tgt Ion:165 Resp: 44598
Ion Ratio Lower Upper
165 100
63 1.7 37.7 56.5#
89 1.0 57.0 85.4#
182 0.4 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion:188 Resp: 508831
Ion Ratio Lower Upper
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94 11.2 9.7 14.5
80 11.8 10.4 15.6

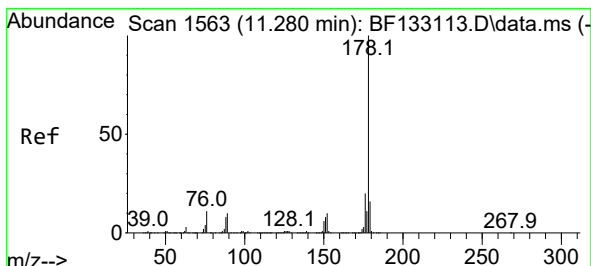
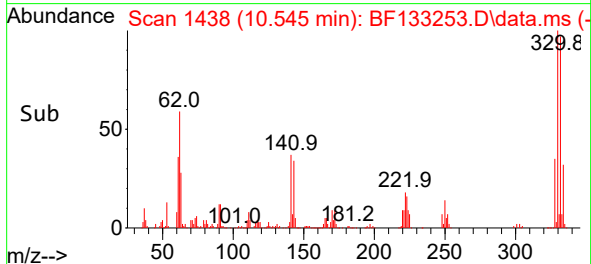
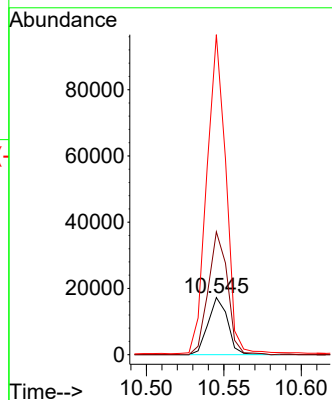
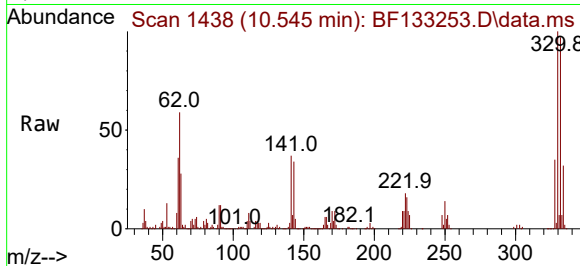




#67
4-Bromophenyl-phenylether
Concen: 2.746 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

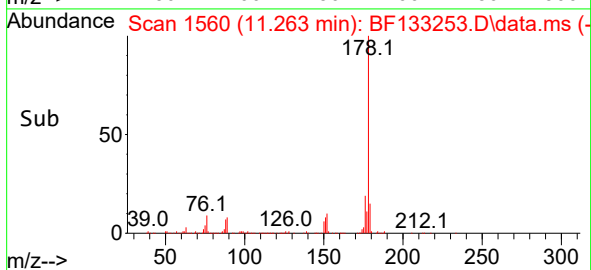
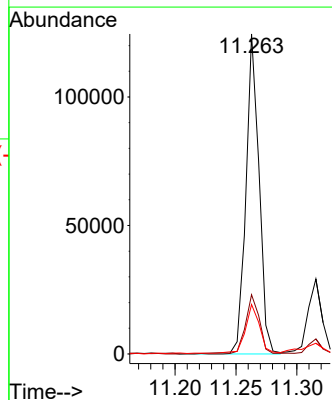
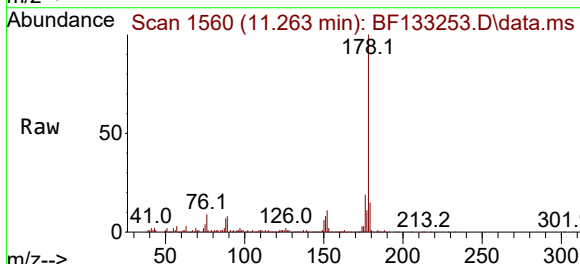
Instrument :
BNA_F
ClientSampleId :
ETGI-328

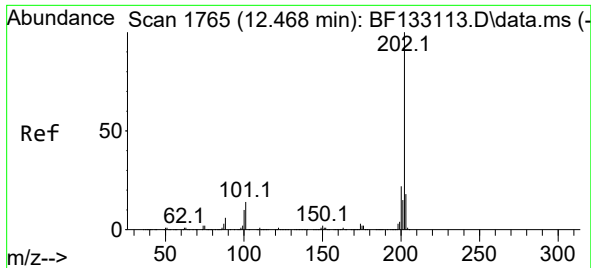
Tgt Ion:248 Resp: 15155
Ion Ratio Lower Upper
248 100
250 215.4 78.7 118.1#
141 560.6 56.3 84.5#



#71
Phenanthrene
Concen: 3.424 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion:178 Resp: 93636
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.5 12.5 18.7

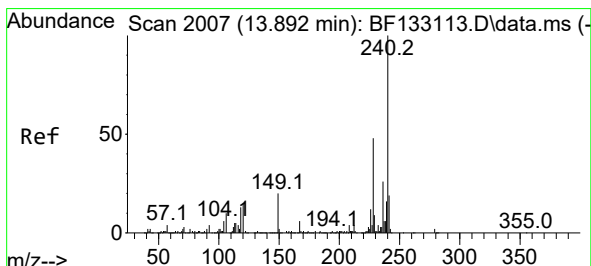
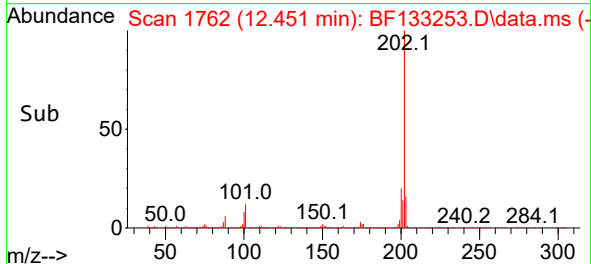
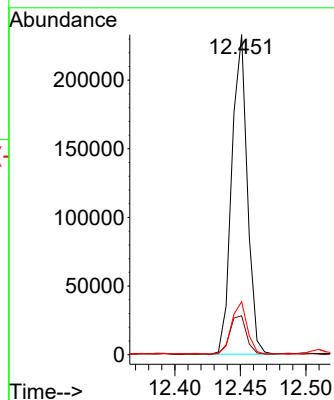
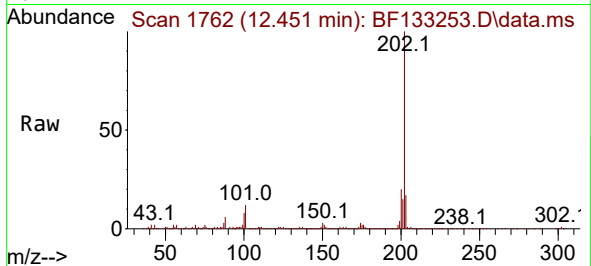




#75
Fluoranthene
Concen: 7.000 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

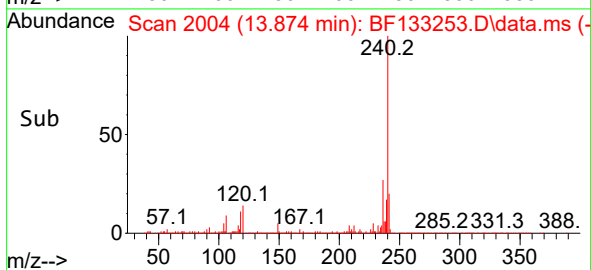
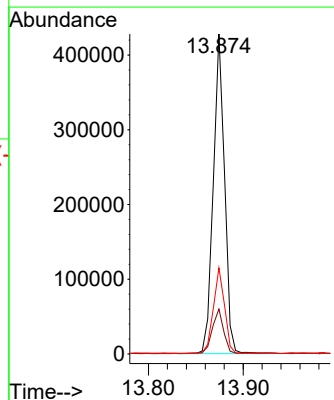
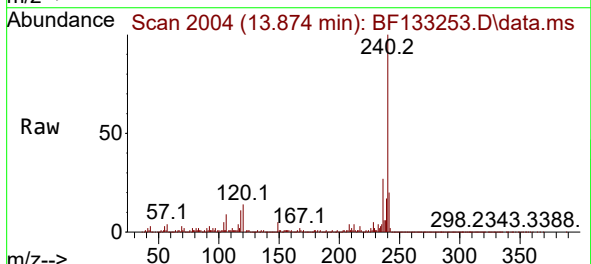
Instrument :
BNA_F
ClientSampleId :
ETGI-328

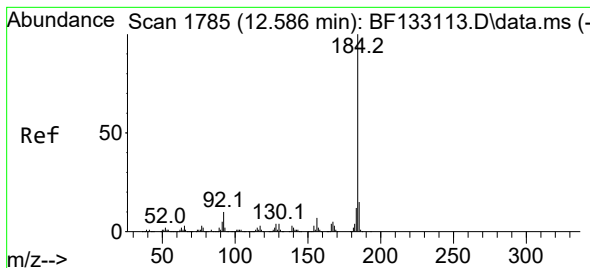
Tgt Ion:202 Resp: 192129
Ion Ratio Lower Upper
202 100
101 12.2 0.0 35.3
203 16.6 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion:240 Resp: 351790
Ion Ratio Lower Upper
240 100
120 14.1 10.5 15.7
236 26.9 21.5 32.3





#77

Benzidine

Concen: 2.427 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

Instrument :

BNA_F

ClientSampleId :

ETGI-328

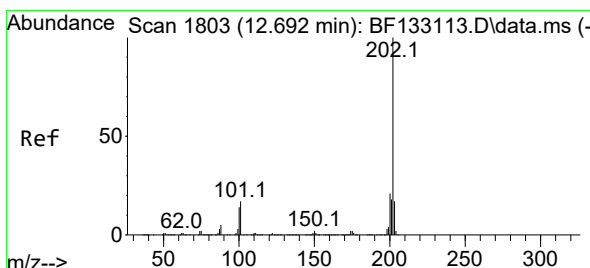
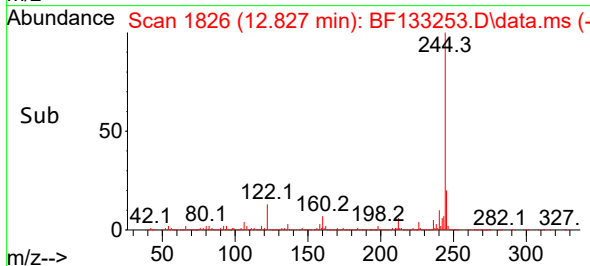
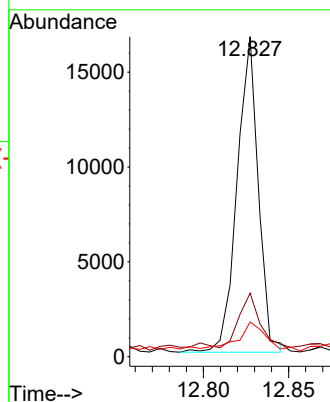
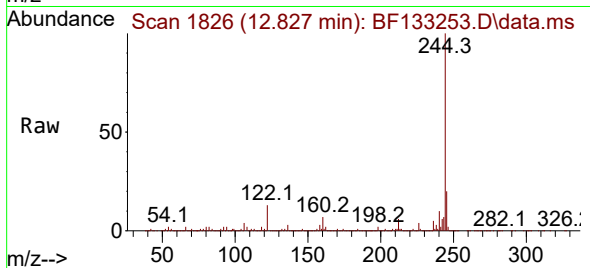
Tgt Ion:184 Resp: 14436

Ion Ratio Lower Upper

184 100

185 19.8 15.4 23.2

183 10.9 9.4 14.0



#78

Pyrene

Concen: 6.002 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

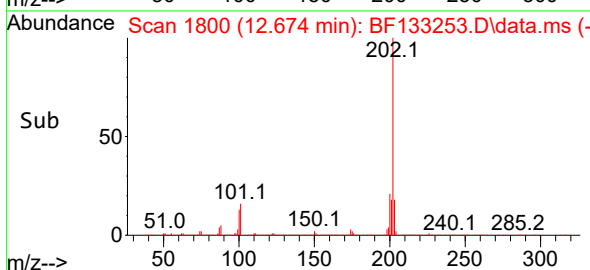
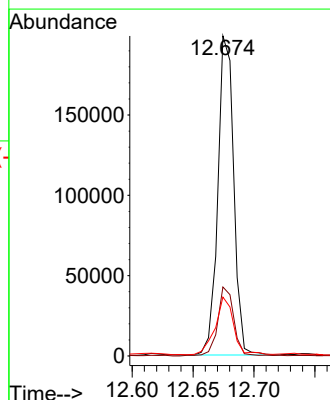
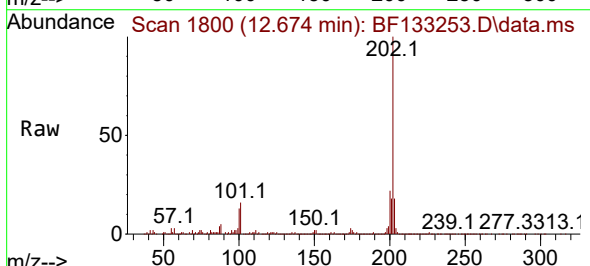
Tgt Ion:202 Resp: 180986

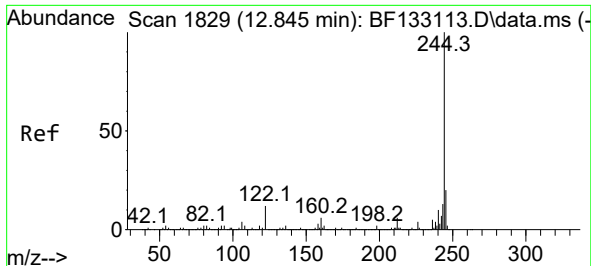
Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.4 14.1 21.1

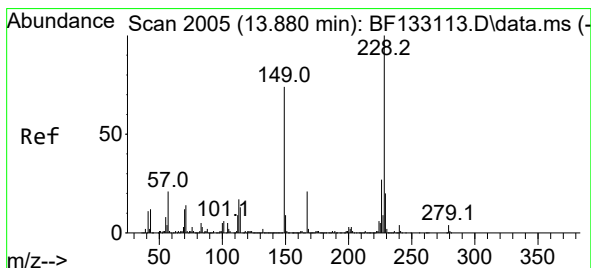
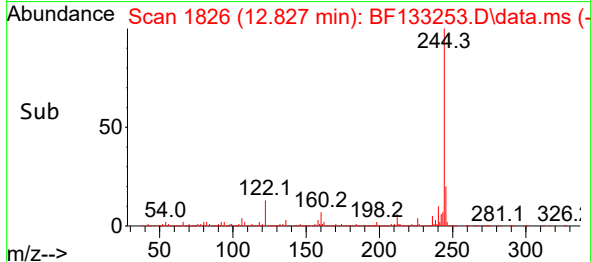
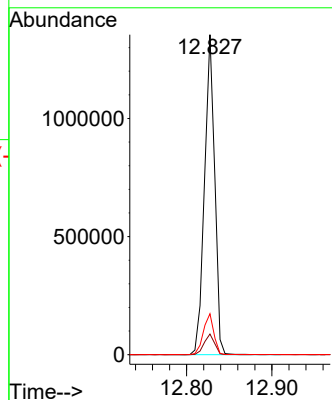
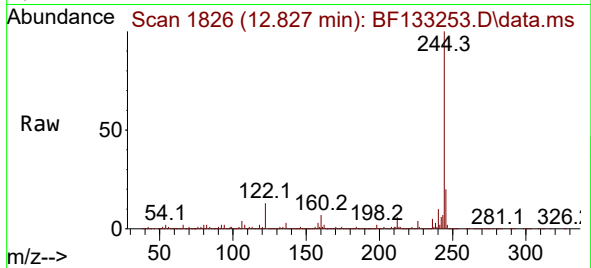




#79
 Terphenyl-d14
 Concen: 55.121 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133253.D
 Acq: 05 May 2023 02:46

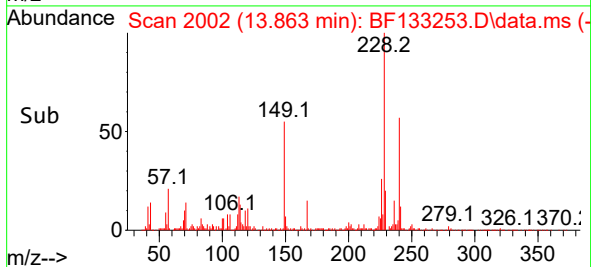
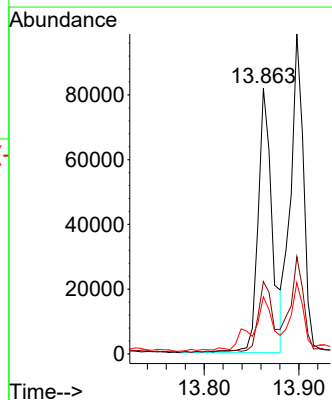
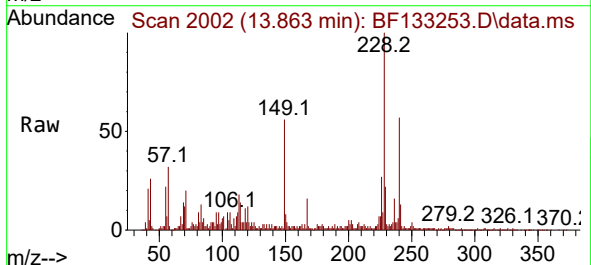
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-328

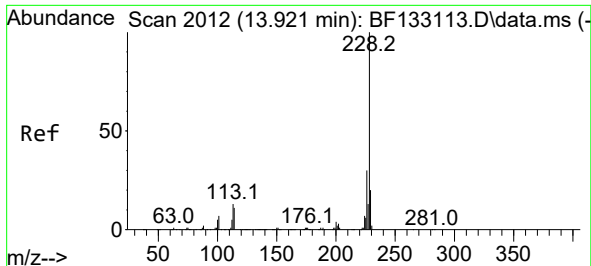
Tgt Ion:244 Resp: 1124342
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.8 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 3.467 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133253.D
 Acq: 05 May 2023 02:46

Tgt Ion:228 Resp: 83866
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.2 33.4
 229 21.5 16.0 24.0

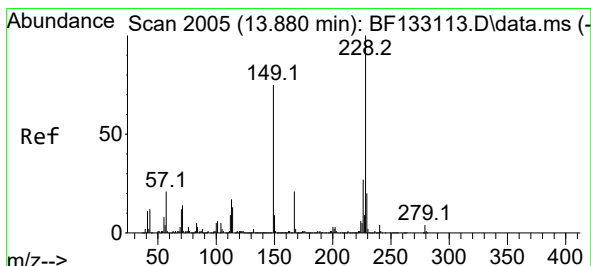
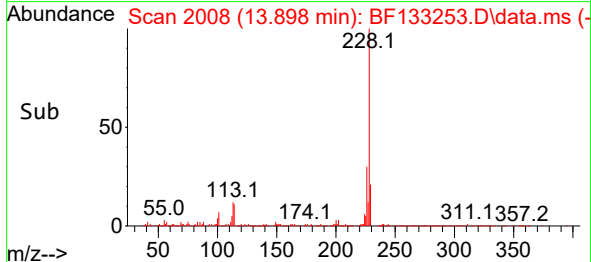
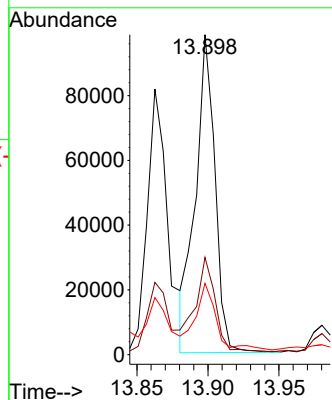
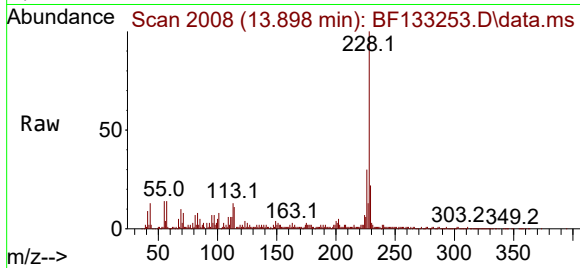




#83
Chrysene
Concen: 3.875 ng
RT: 13.898 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

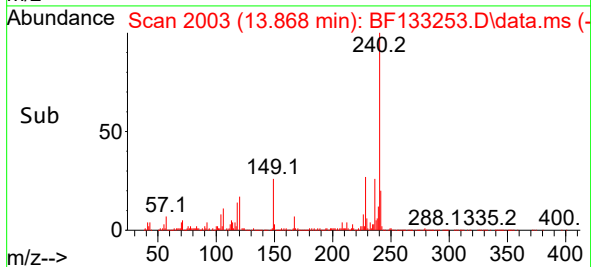
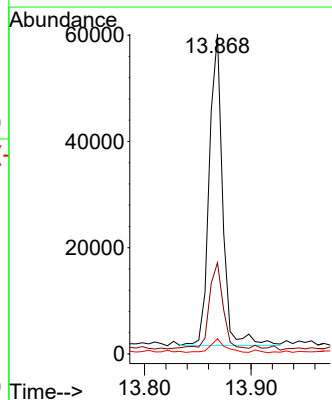
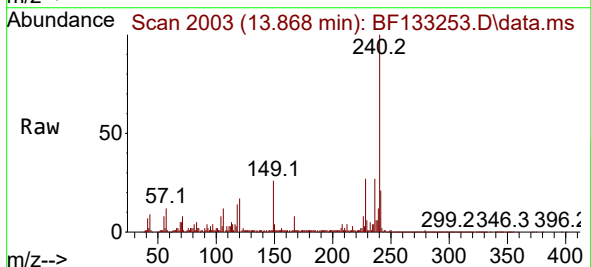
Instrument :
BNA_F
ClientSampleId :
ETGI-328

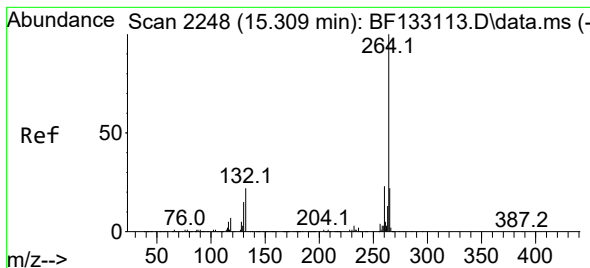
Tgt Ion:228 Resp: 93730
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 22.3 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.831 ng
RT: 13.868 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion:149 Resp: 51347
Ion Ratio Lower Upper
149 100
167 28.5 22.5 33.7
279 4.7 4.2 6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

Instrument :

BNA_F

ClientSampleId :

ETGI-328

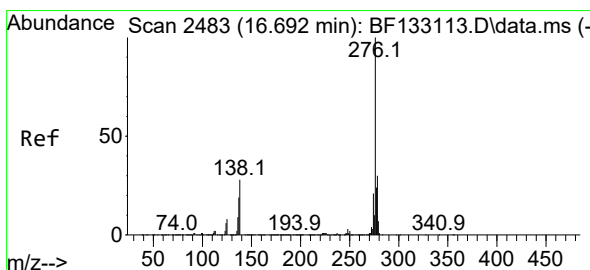
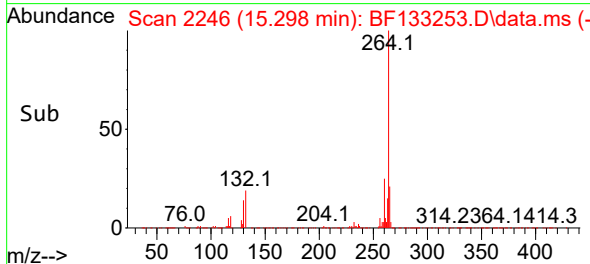
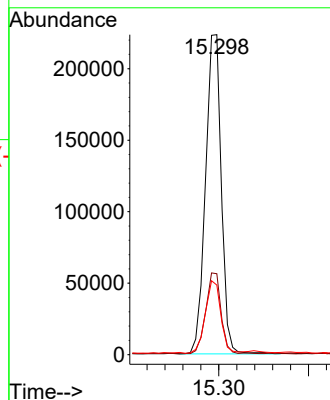
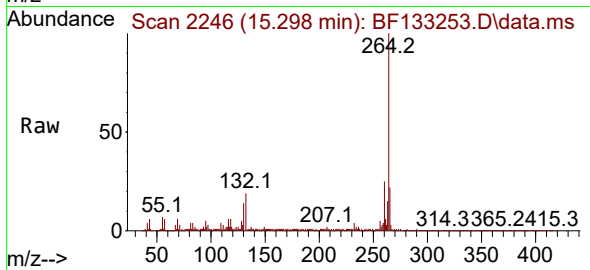
Tgt Ion:264 Resp: 272742

Ion Ratio Lower Upper

264 100

260 25.3 18.8 28.2

265 21.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.102 ng

RT: 16.662 min Scan# 2478

Delta R.T. -0.012 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

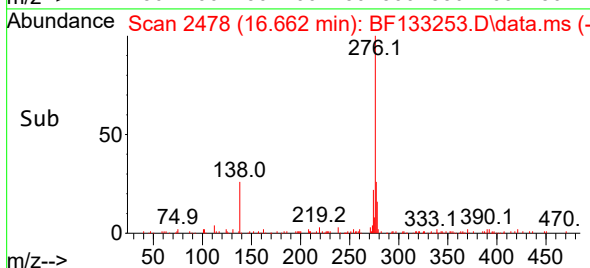
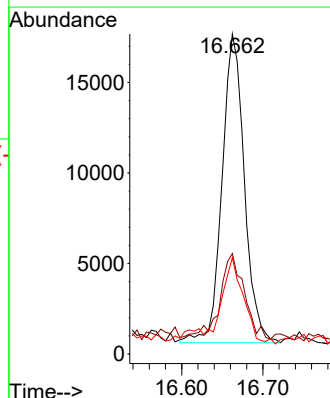
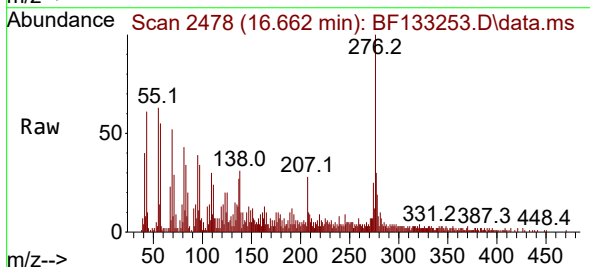
Tgt Ion:276 Resp: 32605

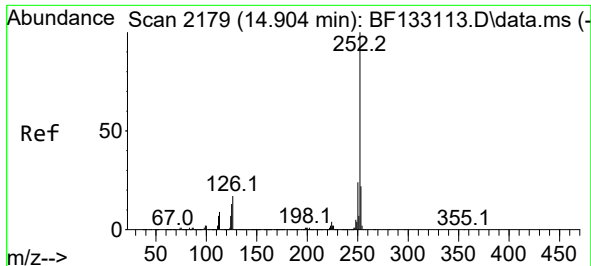
Ion Ratio Lower Upper

276 100

138 30.5 25.5 38.3

277 25.1 20.4 30.6

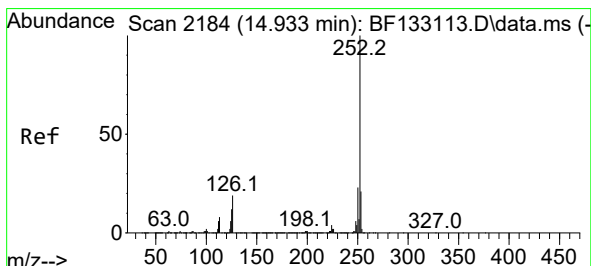
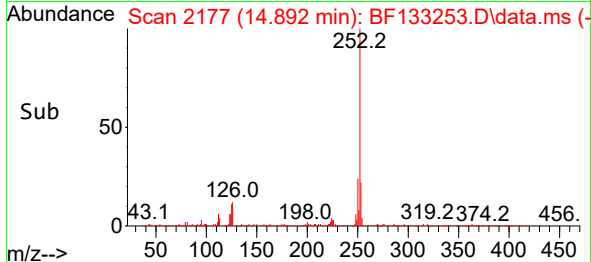
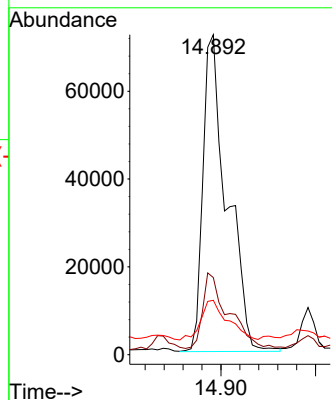
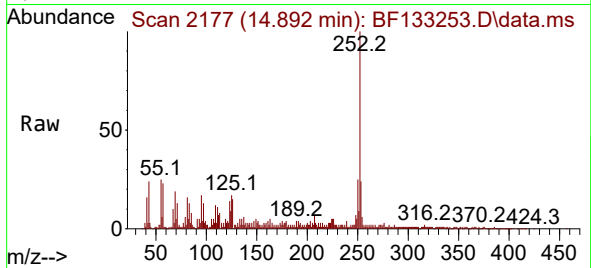




#88
Benzo(b)fluoranthene
Concen: 7.367 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

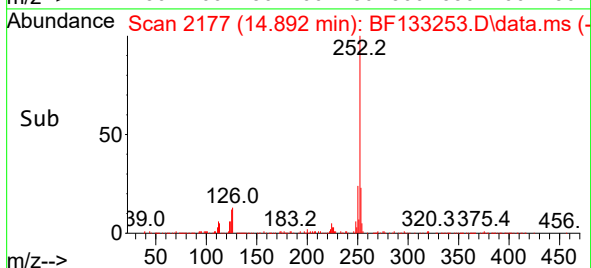
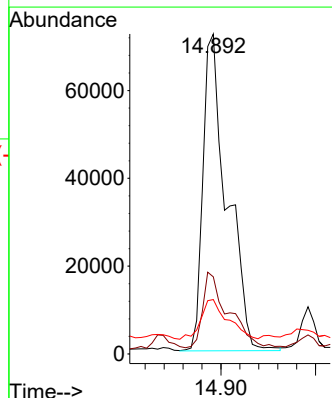
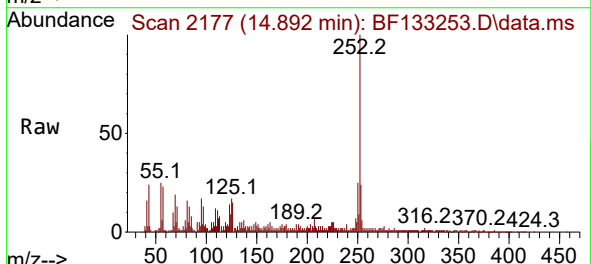
Instrument :
BNA_F
ClientSampleId :
ETGI-328

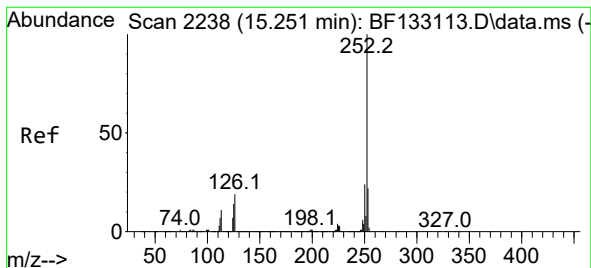
Tgt Ion:252 Resp: 127832
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 17.0 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 7.432 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.035 min
Lab File: BF133253.D
Acq: 05 May 2023 02:46

Tgt Ion:252 Resp: 127832
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 17.0 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 3.277 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

Instrument :

BNA_F

ClientSampleId :

ETGI-328

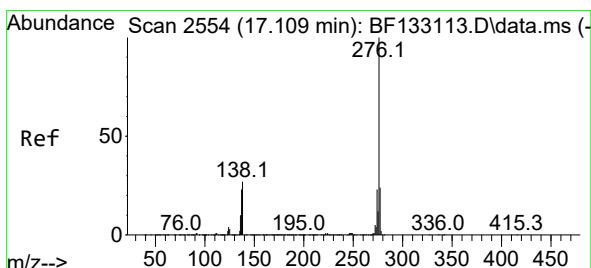
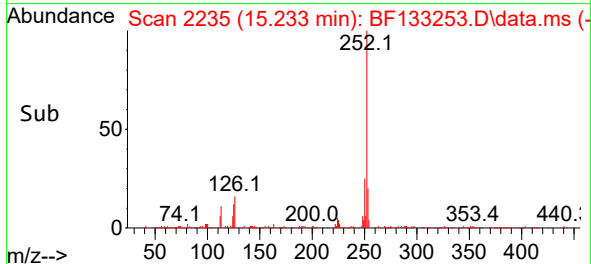
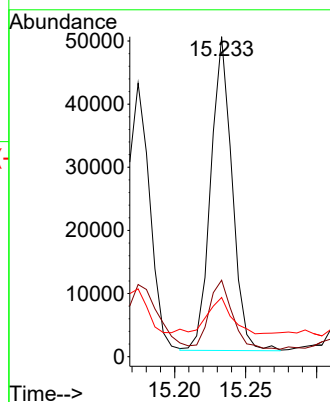
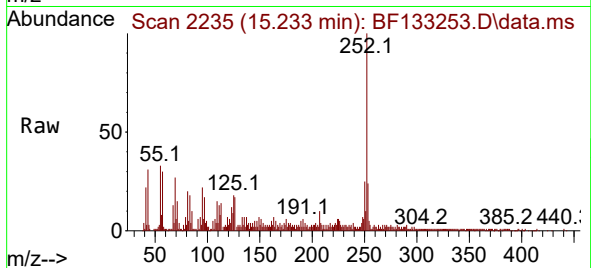
Tgt Ion:252 Resp: 51761

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 18.5 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 2.634 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.018 min

Lab File: BF133253.D

Acq: 05 May 2023 02:46

Tgt Ion:276 Resp: 33653

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.0

138 32.3 22.7 34.1

