

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133196.D
 Acq On : 02 May 2023 18:53
 Operator : CG\JU
 Sample : 02569-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339

Quant Time: May 03 05:54:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

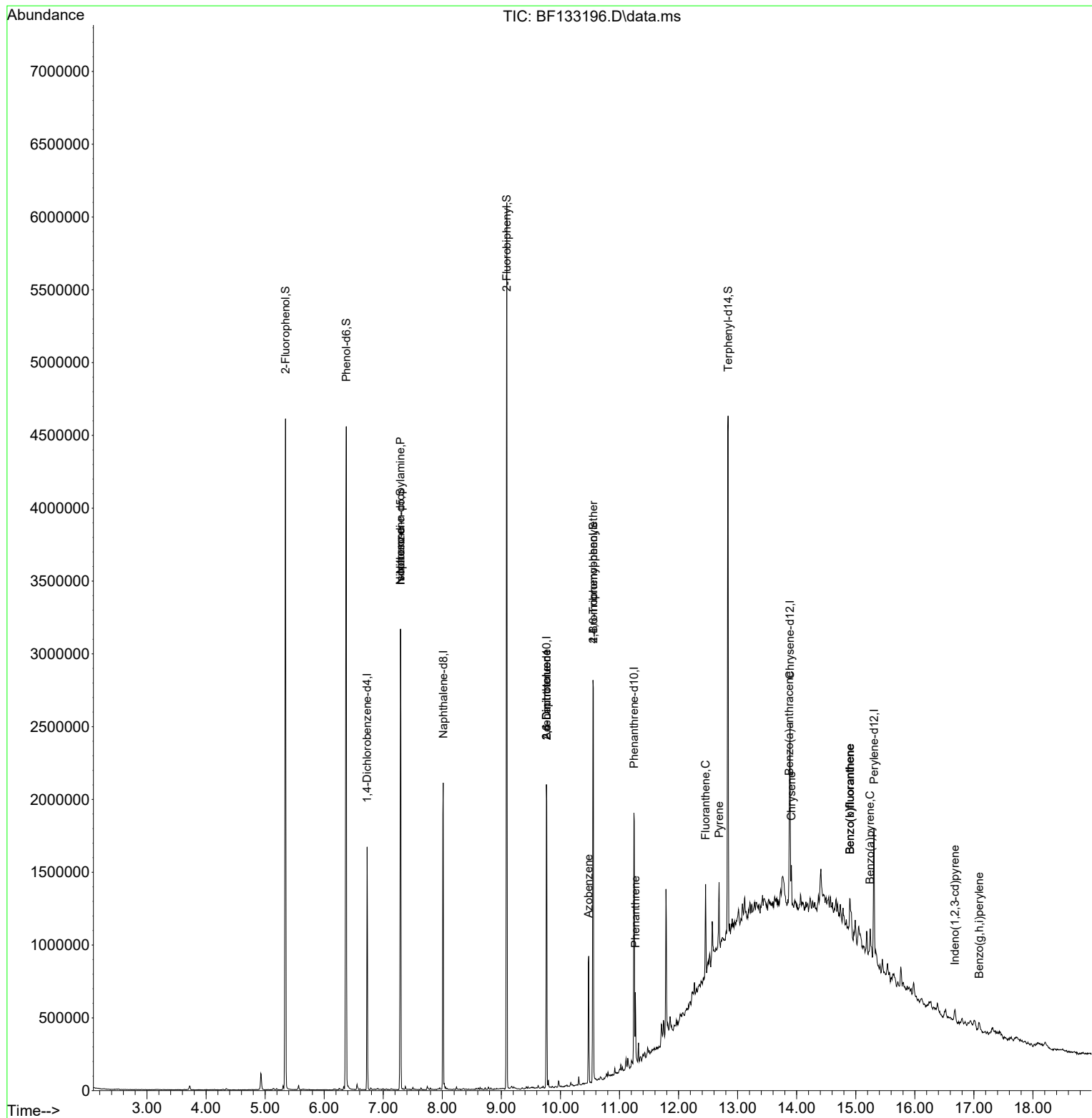
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	217429	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	865874	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	429791	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	662723	20.000	ng	0.00
76) Chrysene-d12	13.886	240	370534	20.000	ng	0.00
86) Perylene-d12	15.309	264	400950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1360679	94.535	ng	0.00
7) Phenol-d6	6.375	99	1628752	91.169	ng	0.00
23) Nitrobenzene-d5	7.292	82	1007163	62.785	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	369858	85.568	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1709243	66.534	ng	0.00
79) Terphenyl-d14	12.839	244	1386583	64.539	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	802	Below Cal	Qvalue	# 70
19) n-Nitroso-di-n-propyla...	7.292	70	133105	11.968	ng	# 77
25) Isophorone	7.292	82	1004109	32.968	ng	# 63
51) 2,6-Dinitrotoluene	9.763	165	54949	8.146	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	54949	6.388	ng	# 24
63) Azobenzene	10.474	77	151496	5.052	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	23923	3.328	ng	# 1
71) Phenanthrene	11.269	178	156659	4.398	ng	99
75) Fluoranthene	12.457	202	215416	6.026	ng	97
78) Pyrene	12.686	202	178941	5.634	ng	98
81) Benzo(a)anthracene	13.874	228	96183	3.775	ng	97
83) Chrysene	13.910	228	88220	3.463	ng	94
87) Indeno(1,2,3-cd)pyrene	16.680	276	50647	2.221	ng	93
88) Benzo(b)fluoranthene	14.904	252	170760	6.694	ng	# 82
89) Benzo(k)fluoranthene	14.904	252	170760	6.753	ng	# 82
90) Benzo(a)pyrene	15.245	252	82142	3.538	ng	# 82
92) Benzo(g,h,i)perylene	17.092	276	47191	2.513	ng	97

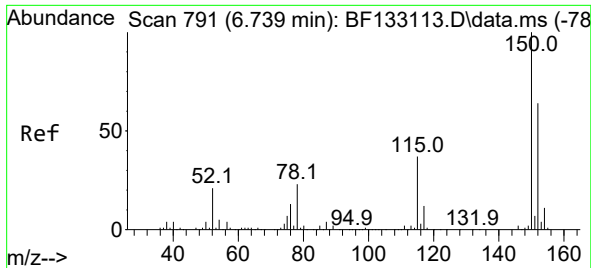
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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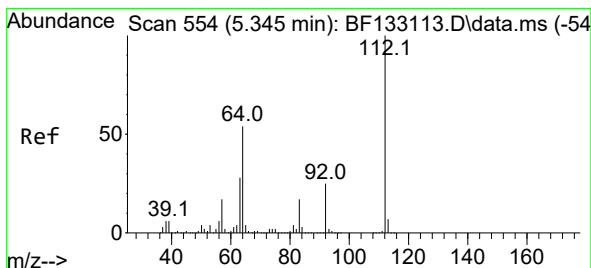
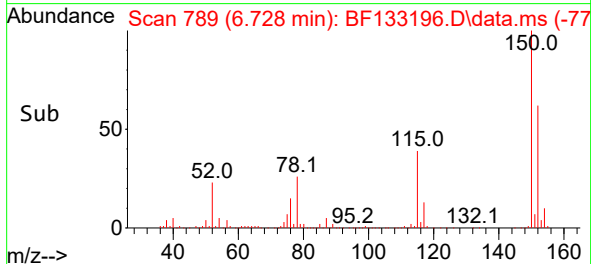
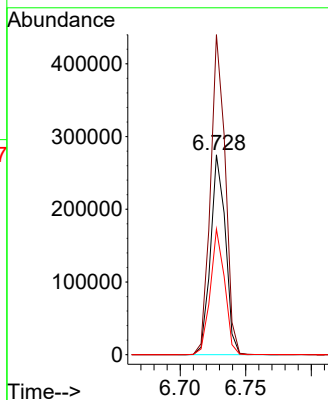
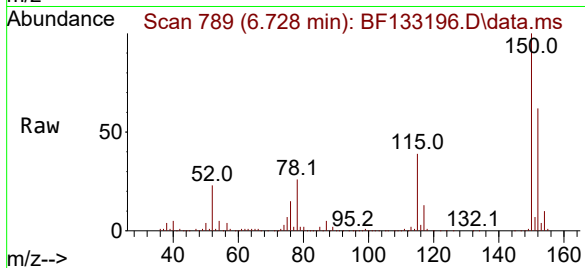




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133196.D
 Acq: 02 May 2023 18:53

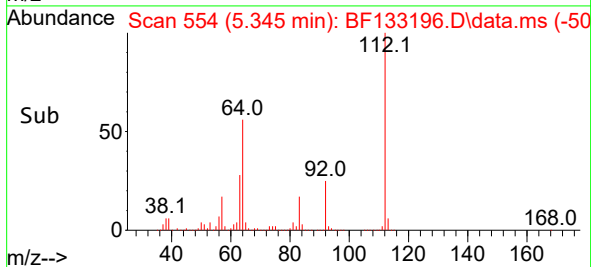
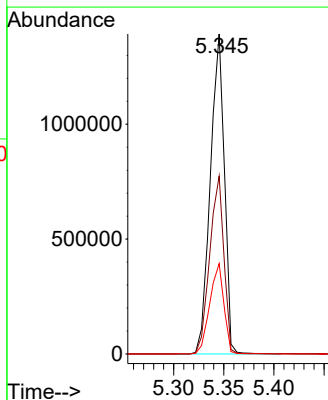
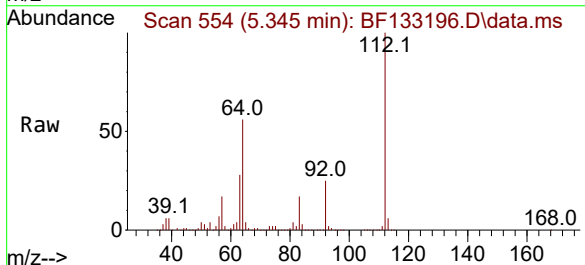
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-339

Tgt Ion:152 Resp: 217429
 Ion Ratio Lower Upper
 152 100
 150 160.2 124.8 187.2
 115 62.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 94.535 ng
 RT: 5.345 min Scan# 554
 Delta R.T. 0.006 min
 Lab File: BF133196.D
 Acq: 02 May 2023 18:53

Tgt Ion:112 Resp: 1360679
 Ion Ratio Lower Upper
 112 100
 64 55.6 46.8 70.2
 63 28.2 23.8 35.8

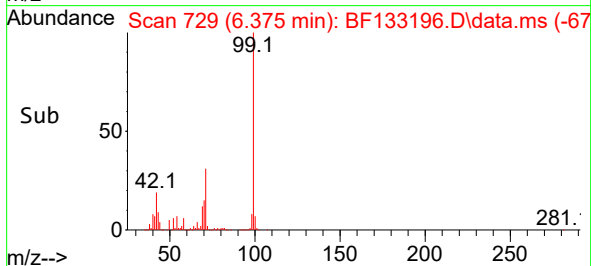
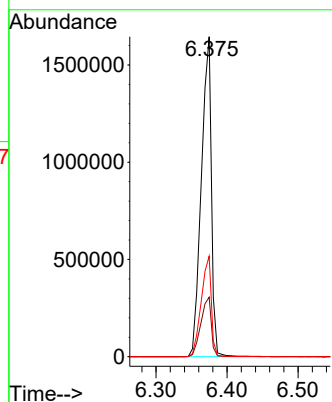
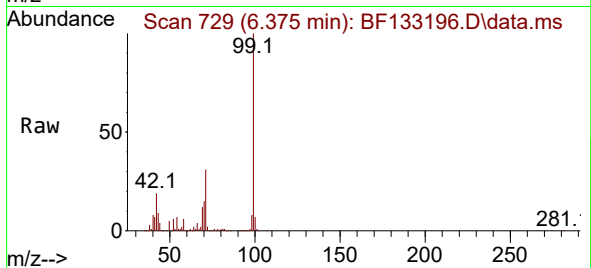




#7
Phenol-d6
Concen: 91.169 ng
RT: 6.375 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

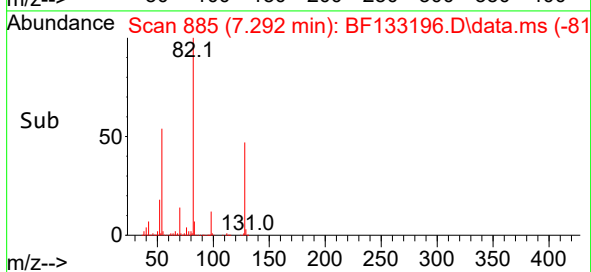
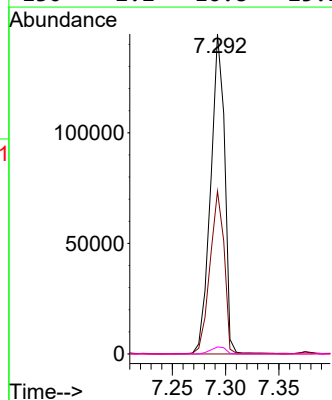
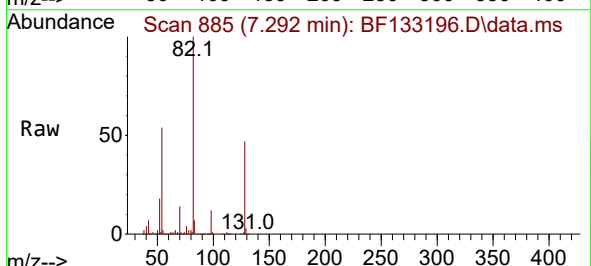
Instrument :
BNA_F
ClientSampleId :
ETGI-339

Tgt Ion: 99 Resp: 1628752
Ion Ratio Lower Upper
99 100
42 18.6 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.968 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion: 70 Resp: 133105
Ion Ratio Lower Upper
70 100
42 50.9 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



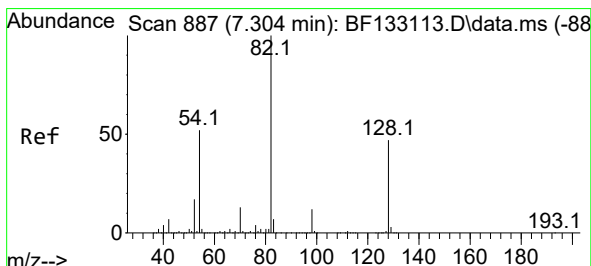
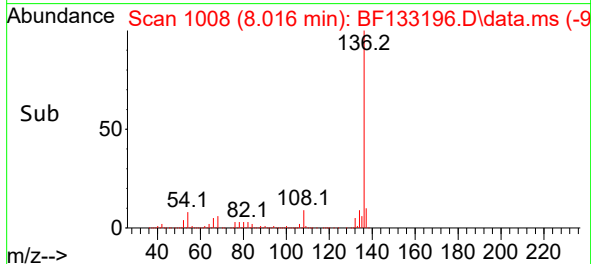
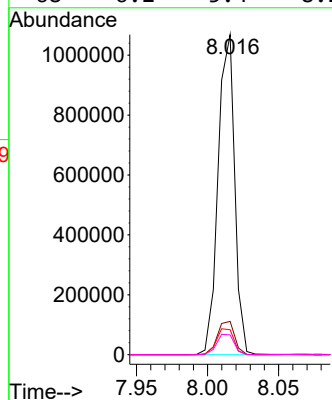
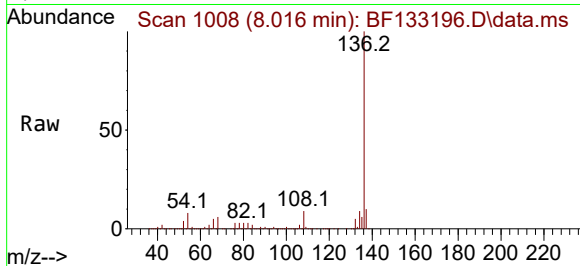


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Instrument :
BNA_F
ClientSampleId :
ETGI-339

Tgt Ion:136 Resp: 865874

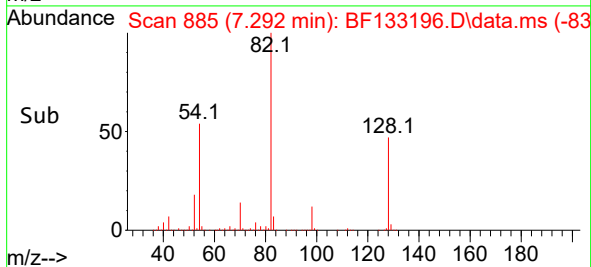
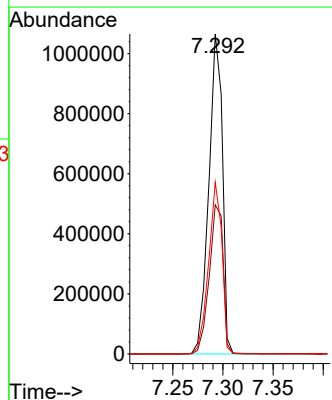
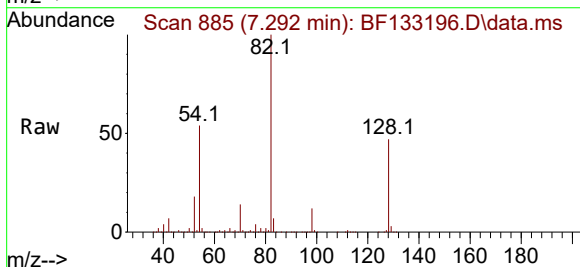
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	7.8	7.0	10.4
68	6.2	5.4	8.2

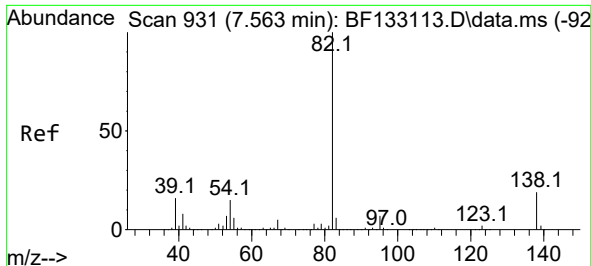


#23
Nitrobenzene-d5
Concen: 62.785 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion: 82 Resp: 1007163

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	53.7	43.0	64.4

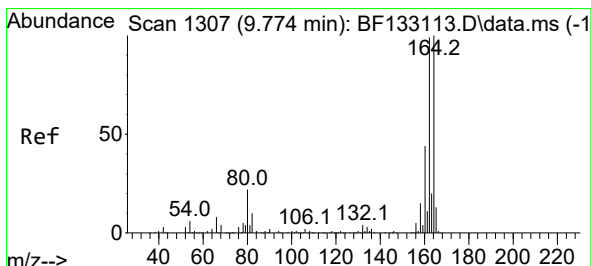
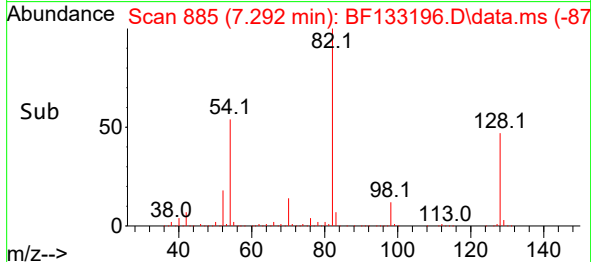
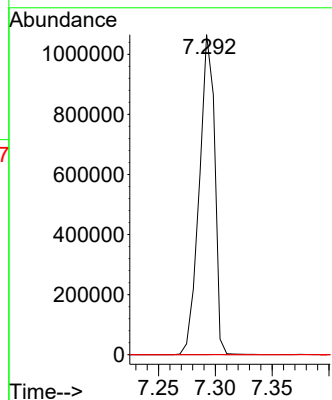
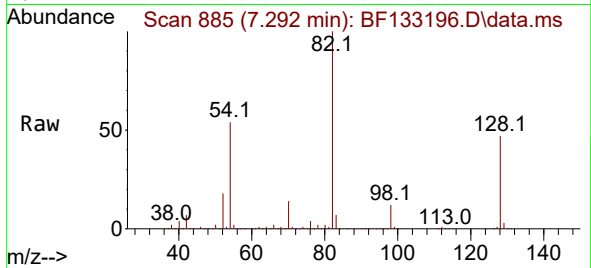




#25
Isophorone
Concen: 32.968 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

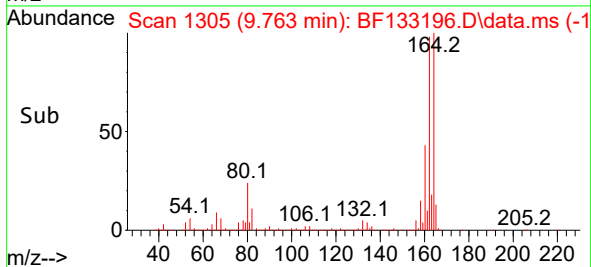
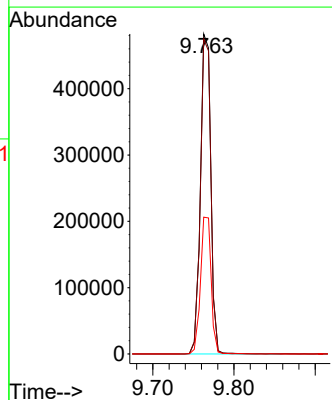
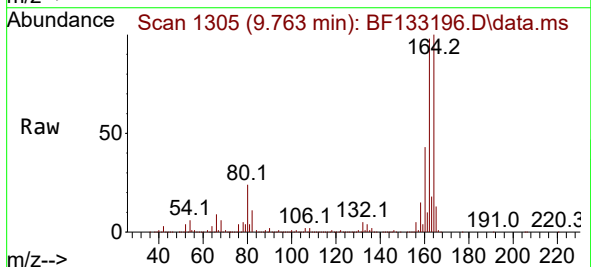
Instrument :
BNA_F
ClientSampleId :
ETGI-339

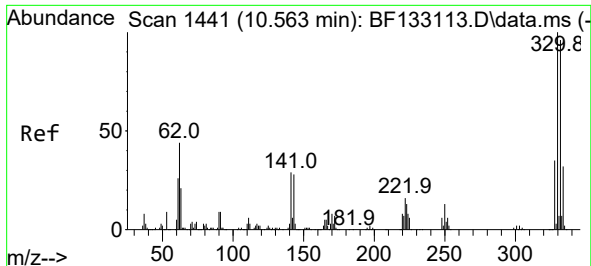
Tgt Ion: 82 Resp: 1004109
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:164 Resp: 429791
Ion Ratio Lower Upper
164 100
162 98.4 78.7 118.1
160 42.8 35.8 53.6

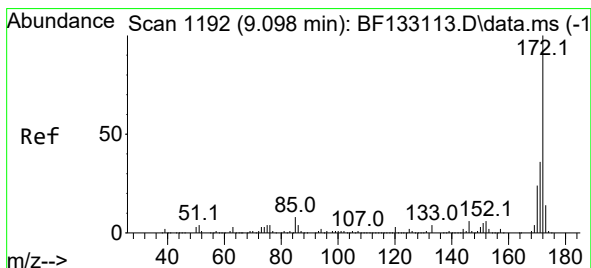
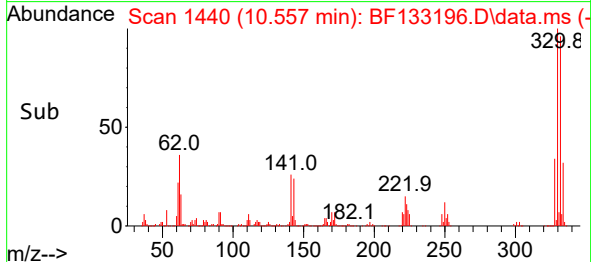
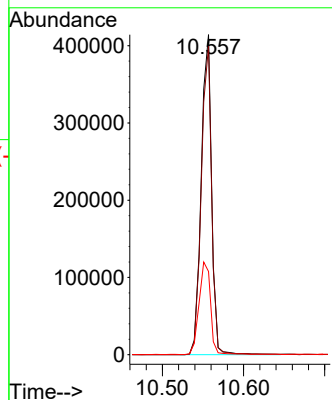
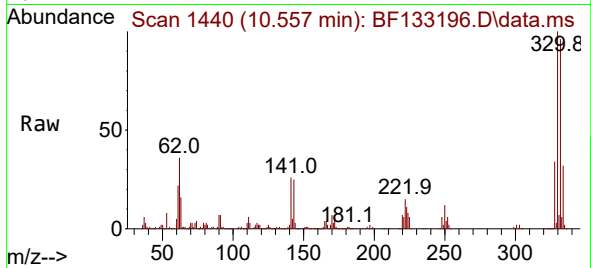




#42
2,4,6-Tribromophenol
Concen: 85.568 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

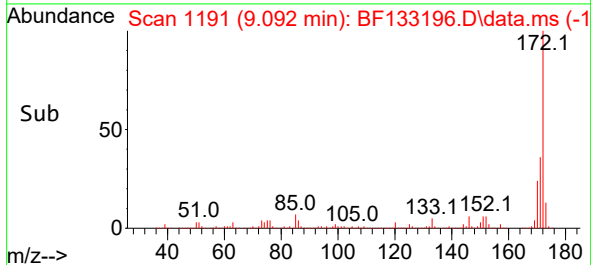
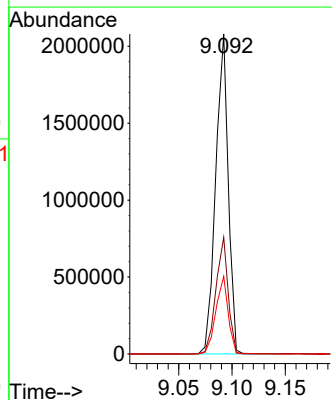
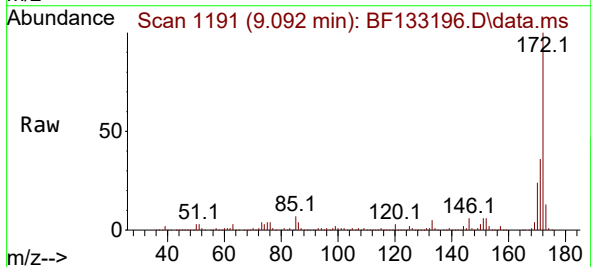
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ClientSampleId :
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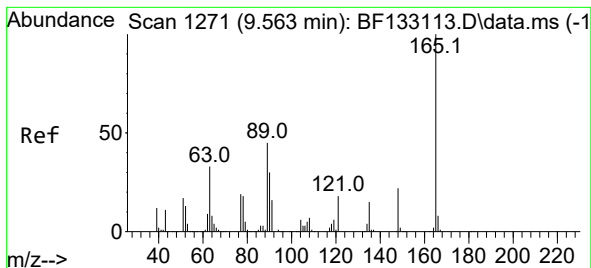
Tgt Ion:330 Resp: 369858
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 32.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 66.534 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:172 Resp: 1709243
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 24.2 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.146 ng

RT: 9.763 min Scan# 1305

Delta R.T. 0.206 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

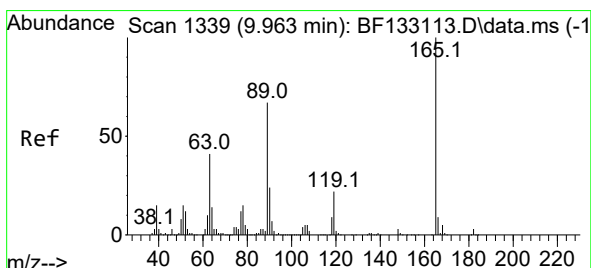
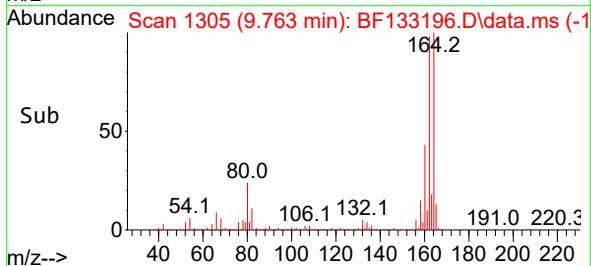
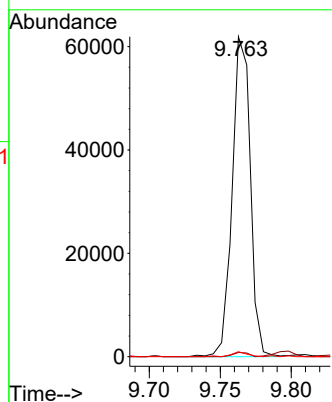
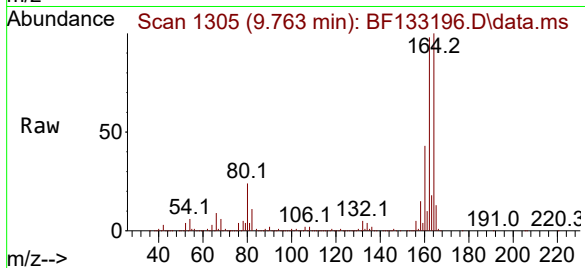
Tgt Ion:165 Resp: 54949

Ion Ratio Lower Upper

165 100

63 1.3 45.9 68.9#

89 1.6 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.388 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.200 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Tgt Ion:165 Resp: 54949

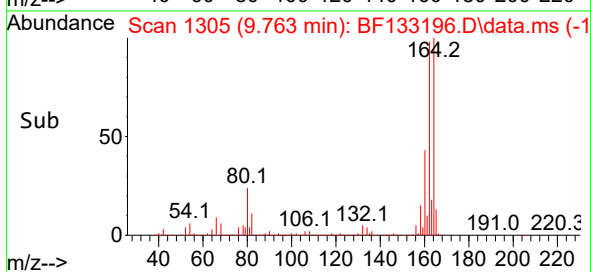
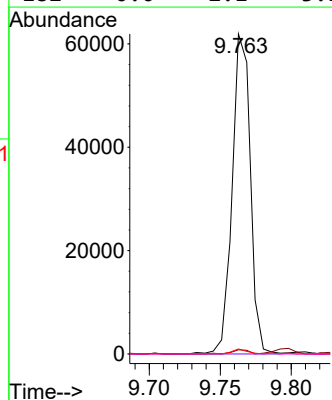
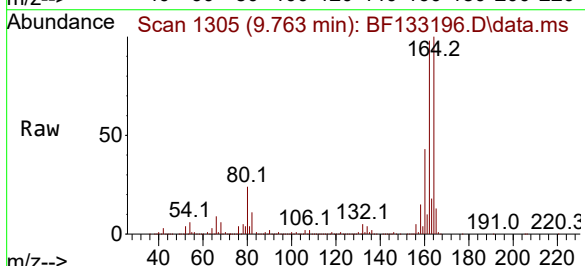
Ion Ratio Lower Upper

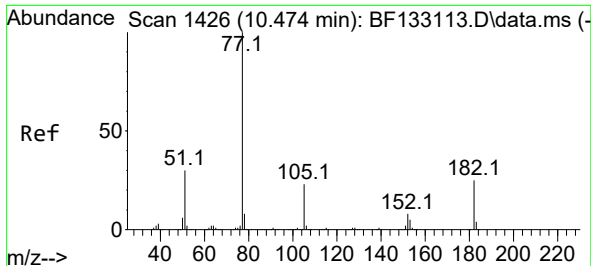
165 100

63 1.3 37.7 56.5#

89 1.6 57.0 85.4#

182 0.0 2.1 3.1#

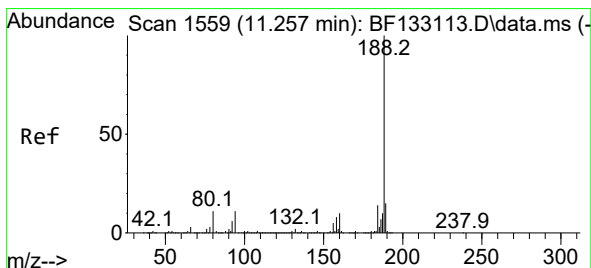
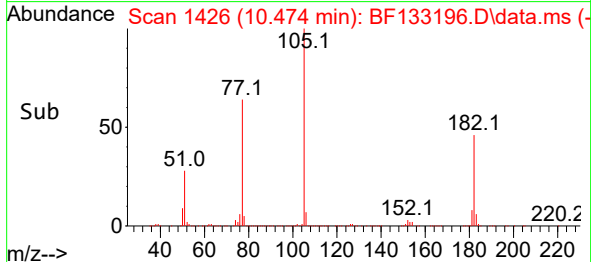
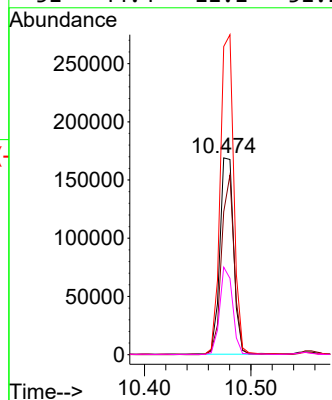
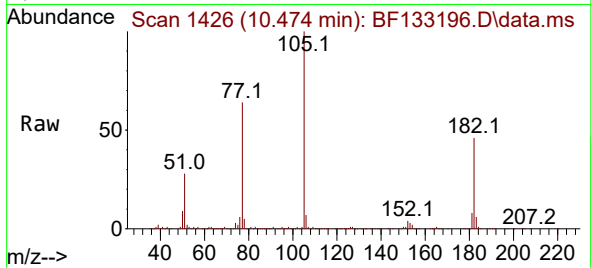




#63
Azobenzene
Concen: 5.052 ng
RT: 10.474 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

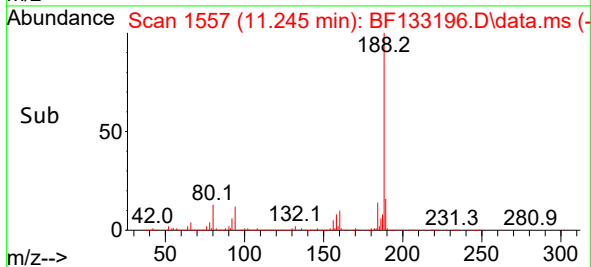
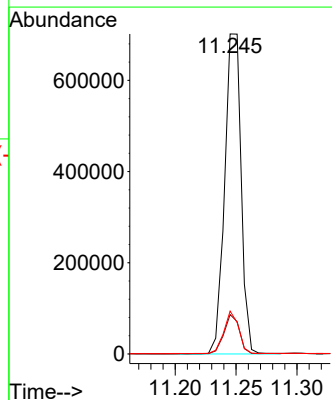
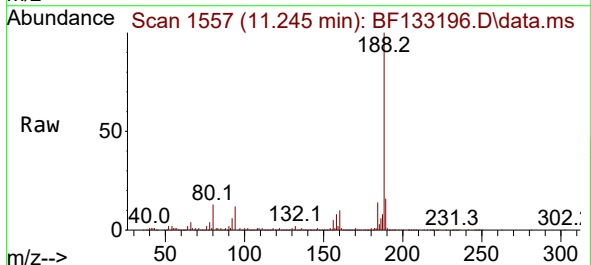
Instrument :
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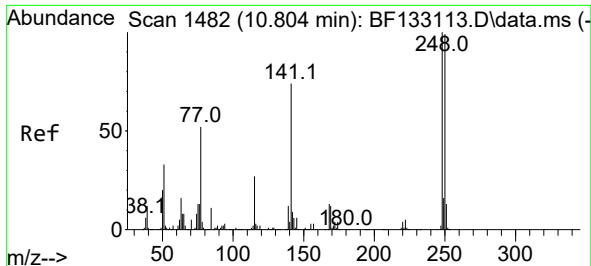
Tgt Ion: 77 Resp: 151496
Ion Ratio Lower Upper
77 100
182 72.6 5.9 45.9#
105 156.6 2.3 42.3#
51 44.4 11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:188 Resp: 662723
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 13.4 10.4 15.6

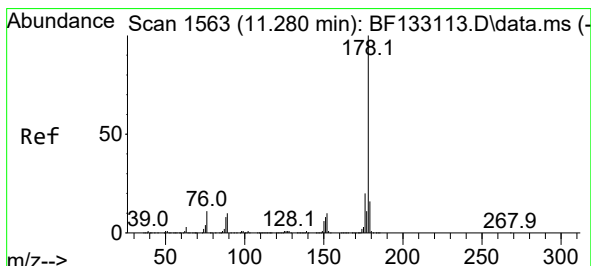
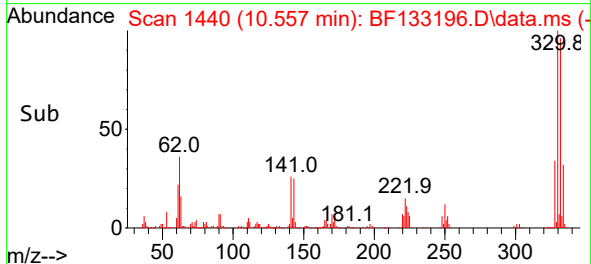
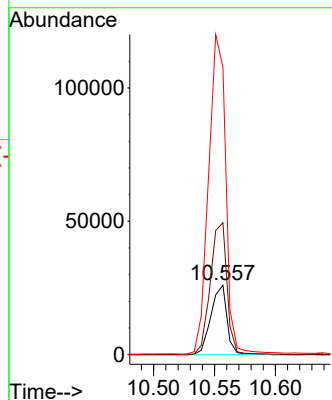
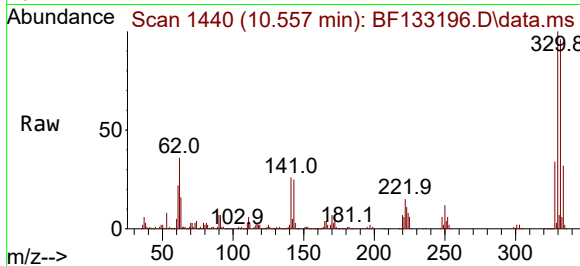




#67
4-Bromophenyl-phenylether
Concen: 3.328 ng
RT: 10.557 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

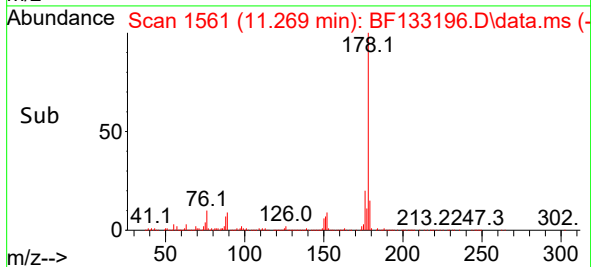
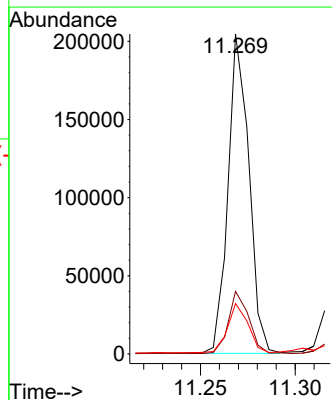
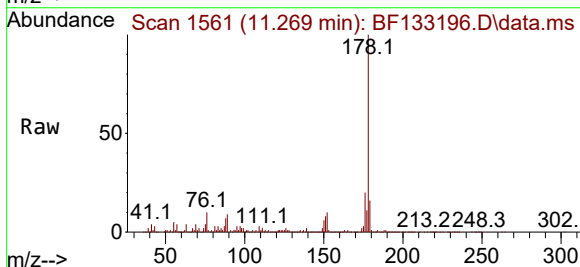
Instrument :
BNA_F
ClientSampleId :
ETGI-339

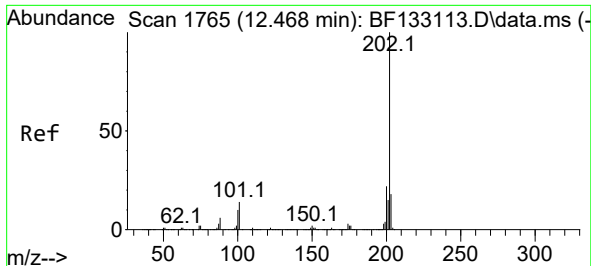
Tgt Ion:248 Resp: 23923
Ion Ratio Lower Upper
248 100
250 189.9 78.7 118.1#
141 413.8 56.3 84.5#



#71
Phenanthrene
Concen: 4.398 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:178 Resp: 156659
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.7 12.5 18.7

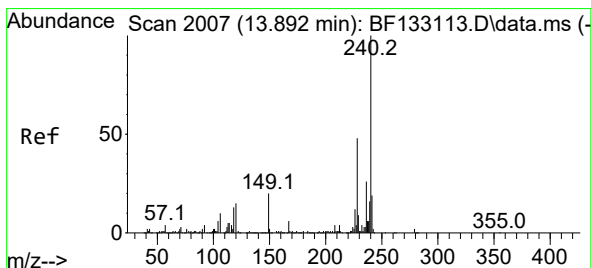
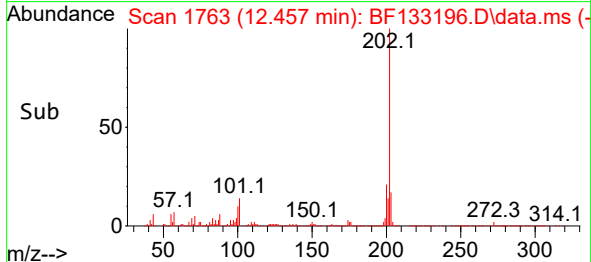
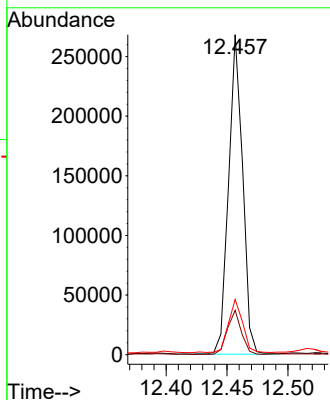
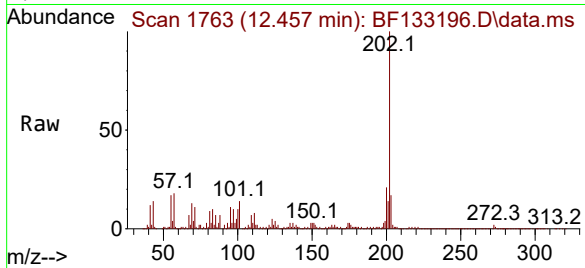




#75
Fluoranthene
Concen: 6.026 ng
RT: 12.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

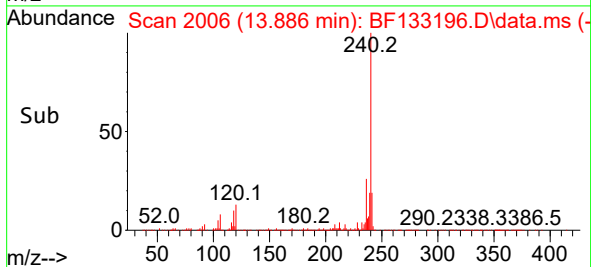
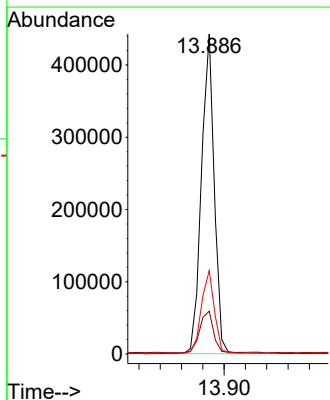
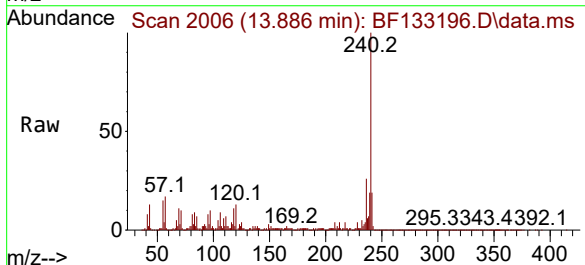
Instrument :
BNA_F
ClientSampleId :
ETGI-339

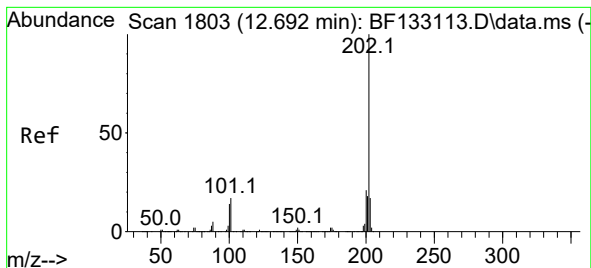
Tgt Ion:202 Resp: 215416
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.3
203 17.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:240 Resp: 370534
Ion Ratio Lower Upper
240 100
120 13.3 10.5 15.7
236 26.0 21.5 32.3





#78

Pyrene

Concen: 5.634 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

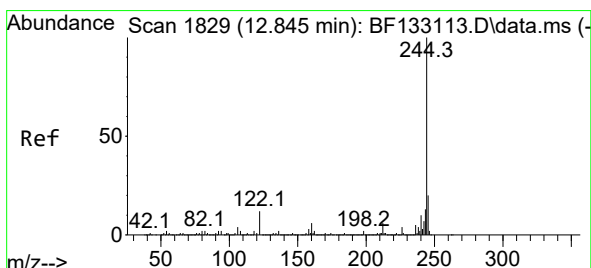
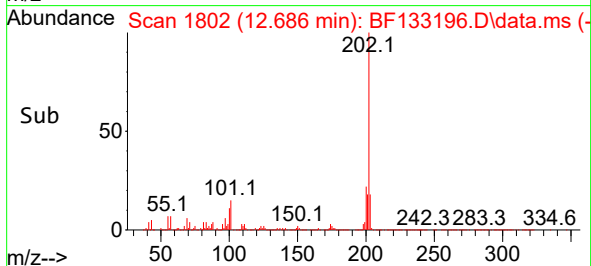
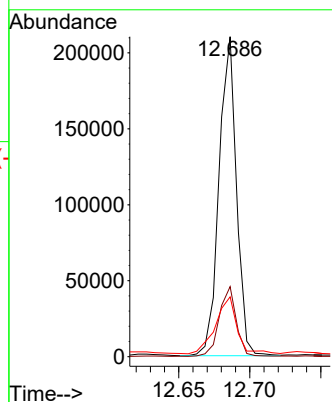
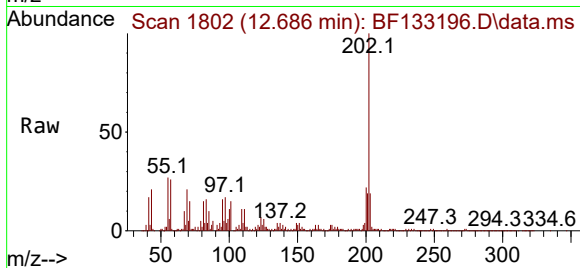
Tgt Ion:202 Resp: 178941

Ion Ratio Lower Upper

202 100

200 21.9 17.1 25.7

203 18.7 14.1 21.1



#79

Terphenyl-d14

Concen: 64.539 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

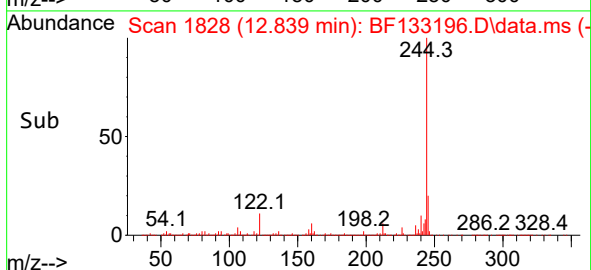
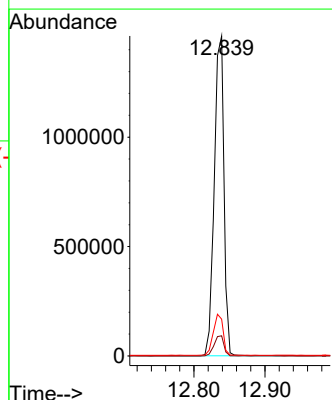
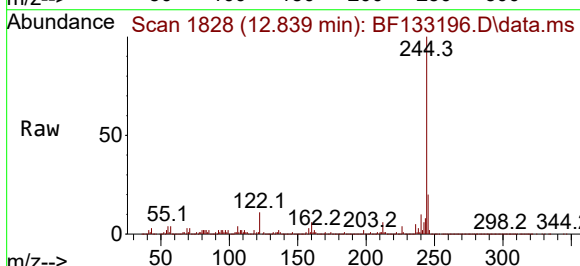
Tgt Ion:244 Resp: 1386583

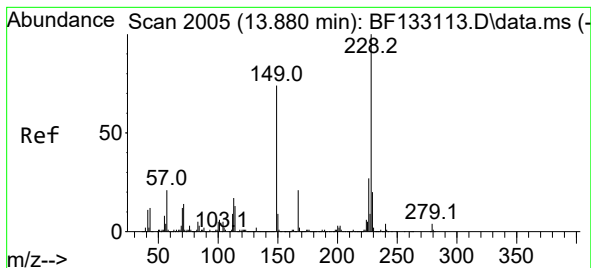
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.5 8.6 13.0





#81

Benzo(a)anthracene

Concen: 3.775 ng

RT: 13.874 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

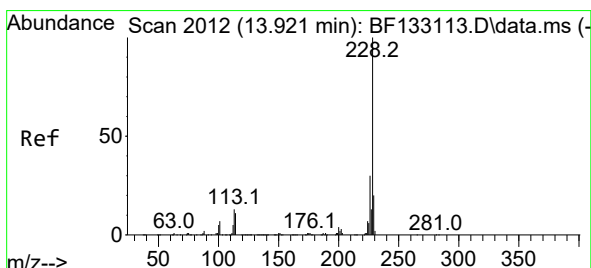
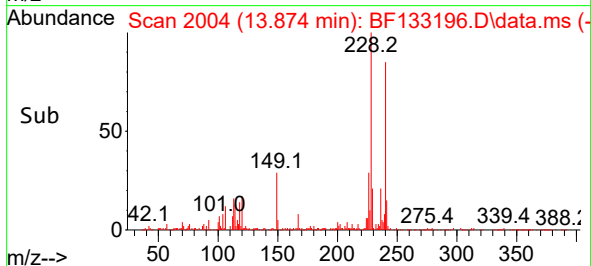
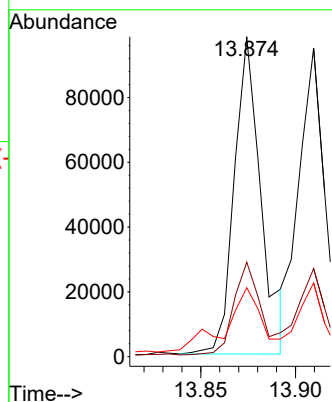
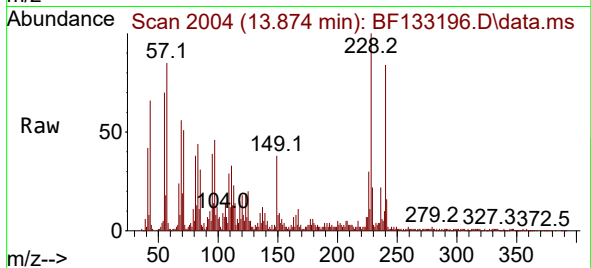
Tgt Ion:228 Resp: 96183

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.4

229 21.6 16.0 24.0



#83

Chrysene

Concen: 3.463 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

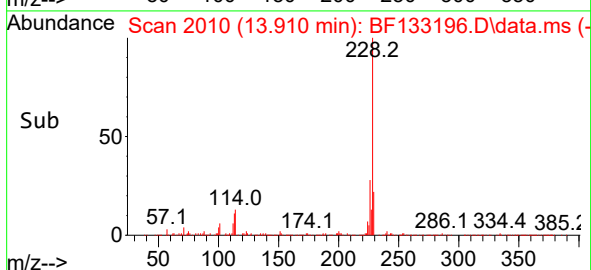
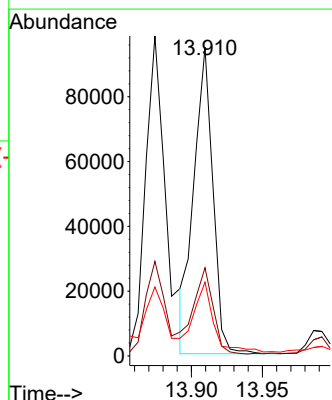
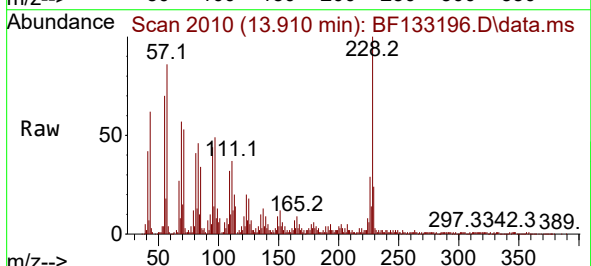
Tgt Ion:228 Resp: 88220

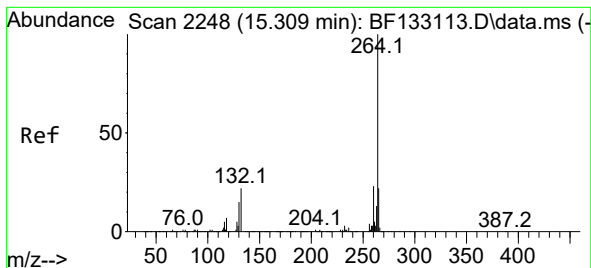
Ion Ratio Lower Upper

228 100

226 28.6 24.7 37.1

229 23.9 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.309 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

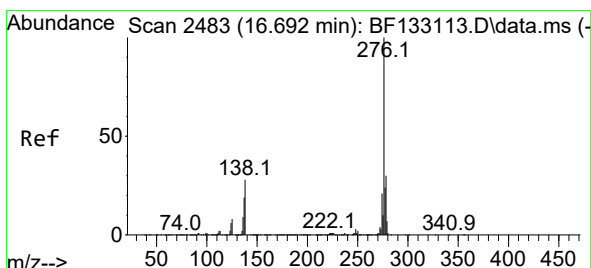
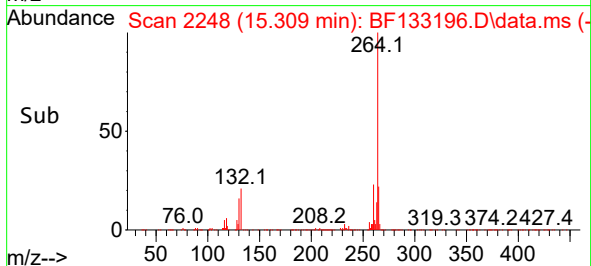
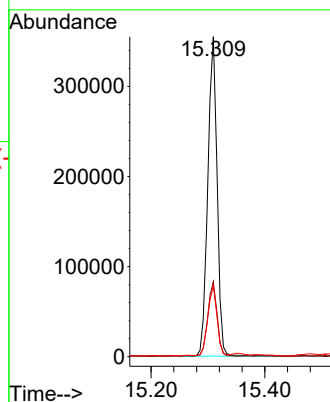
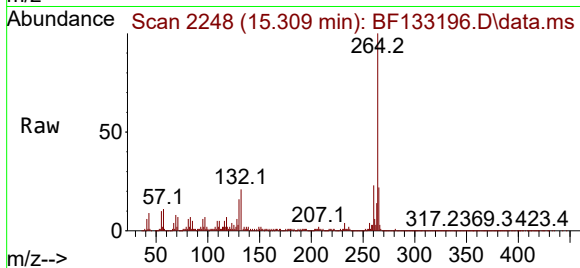
Tgt Ion:264 Resp: 400950

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.221 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.012 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

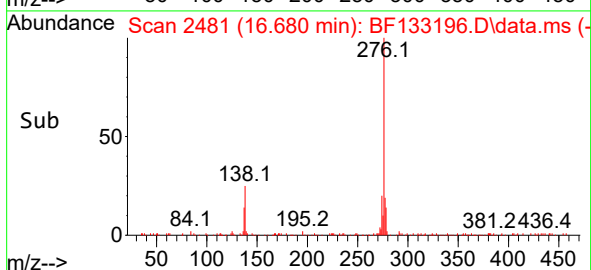
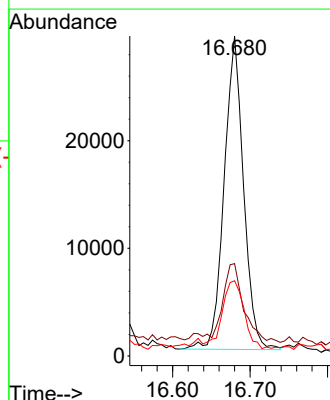
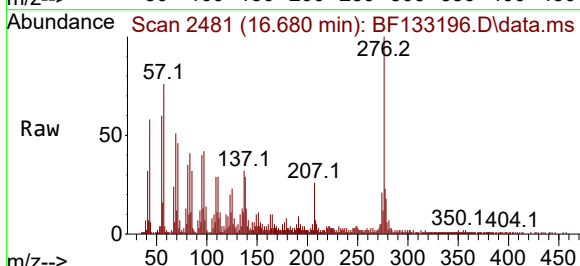
Tgt Ion:276 Resp: 50647

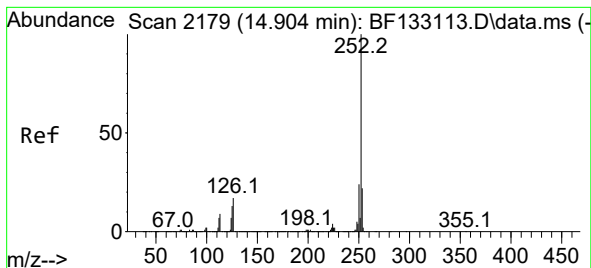
Ion Ratio Lower Upper

276 100

138 26.5 25.5 38.3

277 24.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.694 ng

RT: 14.904 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

Instrument :

BNA_F

ClientSampleId :

ETGI-339

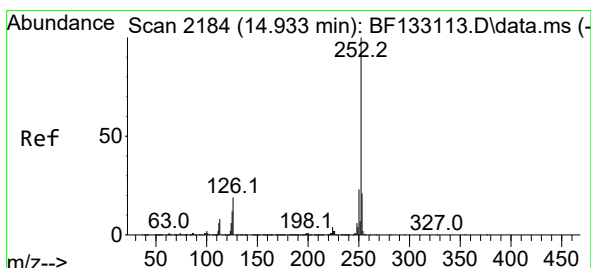
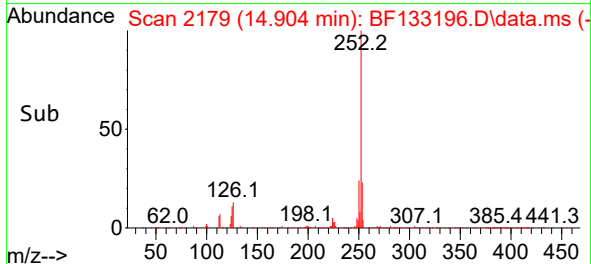
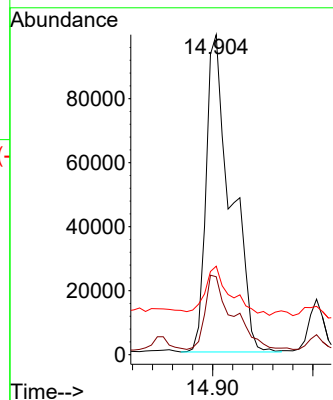
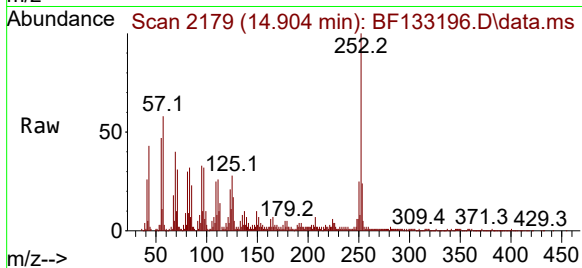
Tgt Ion:252 Resp: 170760

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 27.6 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 6.753 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.029 min

Lab File: BF133196.D

Acq: 02 May 2023 18:53

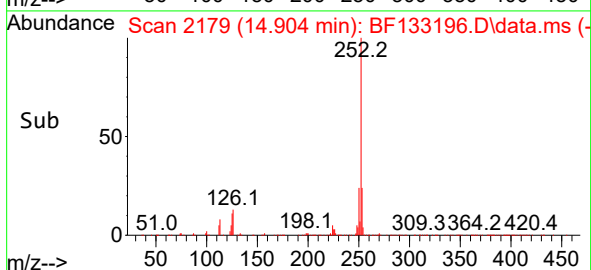
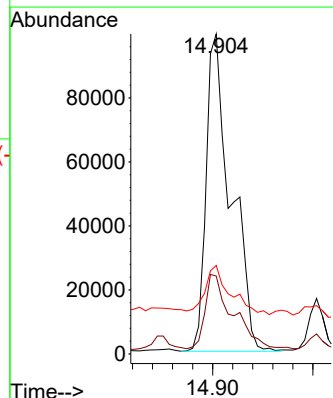
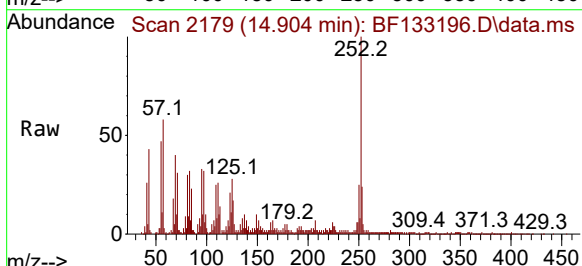
Tgt Ion:252 Resp: 170760

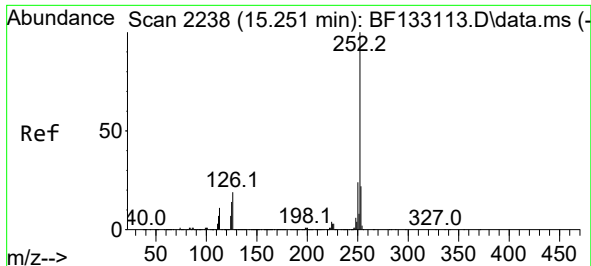
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 27.6 9.0 13.4#

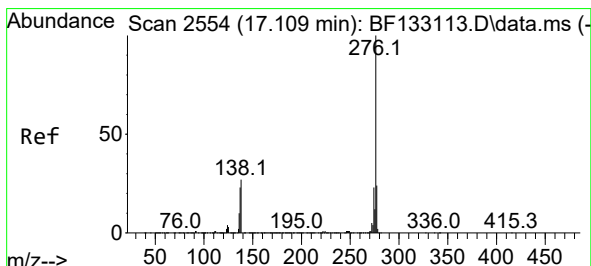
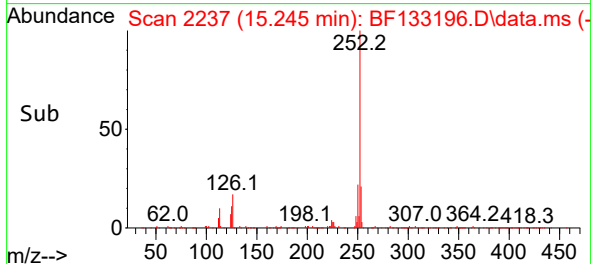
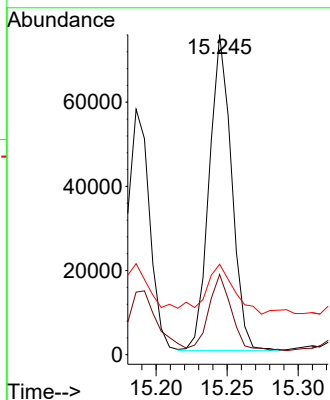
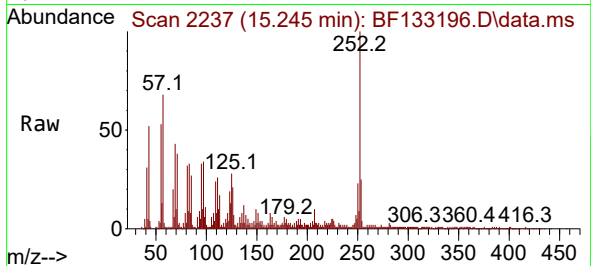




#90
Benzo(a)pyrene
Concen: 3.538 ng
RT: 15.245 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Instrument :
BNA_F
ClientSampleId :
ETGI-339

Tgt Ion:252 Resp: 82142
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 28.3 10.5 15.7#



#92
Benzo(g,h,i)perylene
Concen: 2.513 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.018 min
Lab File: BF133196.D
Acq: 02 May 2023 18:53

Tgt Ion:276 Resp: 47191
Ion Ratio Lower Upper
276 100
277 23.2 19.4 29.0
138 30.8 22.7 34.1

