

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0222323\
 Data File : BF132534.D
 Acq On : 23 Feb 2023 22:32
 Operator : CG\JU
 Sample : 01645-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-352

Quant Time: Feb 24 00:41:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

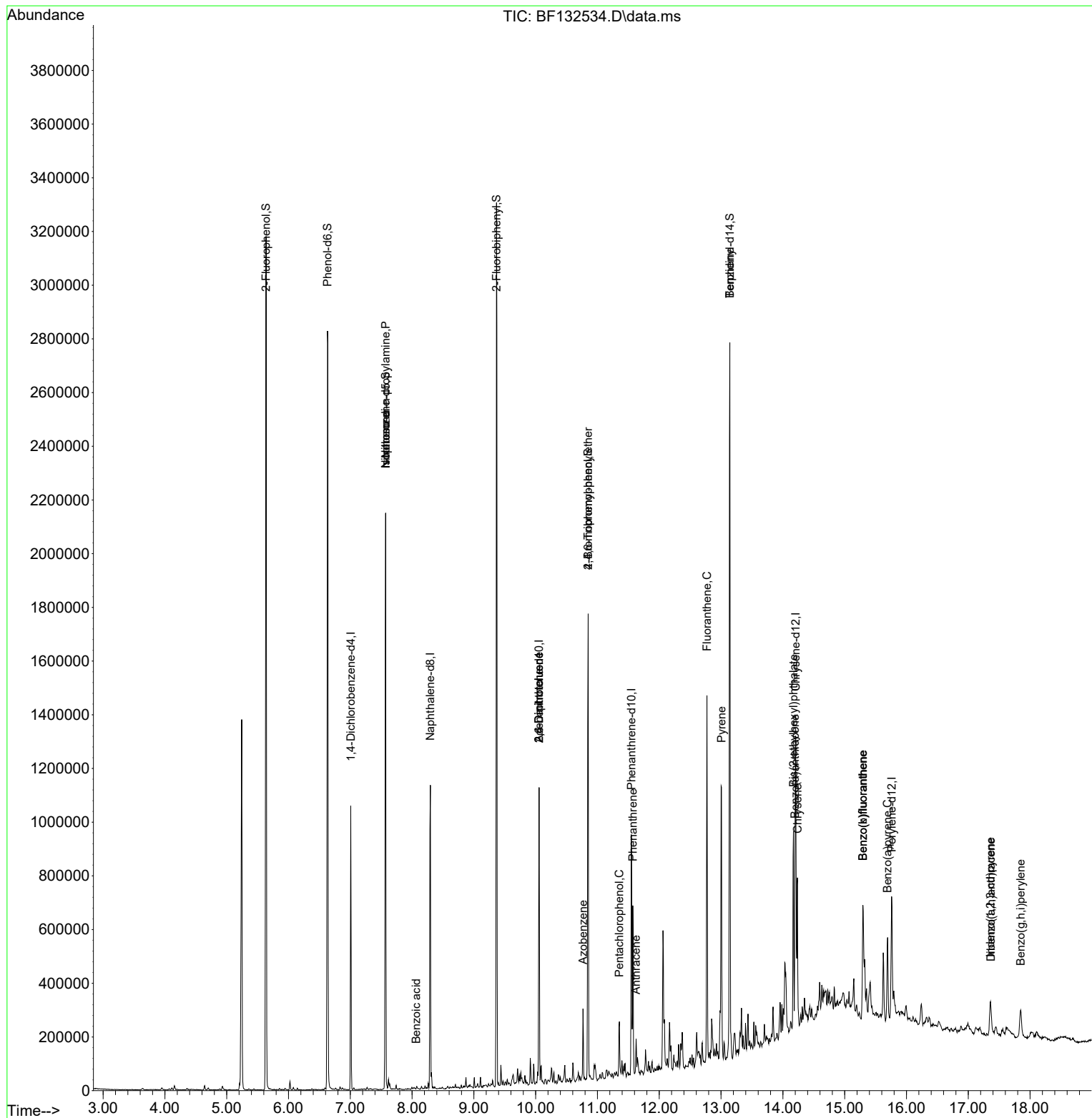
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	136398	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	460343	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	200365	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	321538	20.000	ng	0.00
76) Chrysene-d12	14.207	240	275001	20.000	ng	-0.01
86) Perylene-d12	15.760	264	211144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	803600	95.619	ng	0.00
7) Phenol-d6	6.631	99	1014321	92.478	ng	-0.01
23) Nitrobenzene-d5	7.572	82	658309	67.847	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	180189	83.272	ng	-0.01
45) 2-Fluorobiphenyl	9.366	172	983183	74.716	ng	-0.01
79) Terphenyl-d14	13.142	244	923065	56.751	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.572	70	87268	12.928	ng	# 78
25) Isophorone	7.572	82	658300	35.388	ng	# 67
32) Benzoic acid	8.066	122	221	3.872	ng	# 29
51) 2,6-Dinitrotoluene	10.054	165	25947	7.809	ng	# 23
57) 2,4-Dinitrotoluene	10.054	165	25947	5.870	ng	# 21
63) Azobenzene	10.766	77	41890	2.776	ng	# 1
67) 4-Bromophenyl-phenylether	10.848	248	12526	3.444	ng	# 1
70) Pentachlorophenol	11.354	266	22711	9.974	ng	98
71) Phenanthrene	11.572	178	223587	13.423	ng	99
72) Anthracene	11.625	178	48109	2.805	ng	96
75) Fluoranthene	12.772	202	488429	26.822	ng	99
77) Benzidine	13.142	184	13798	2.061	ng	95
78) Pyrene	13.007	202	448172	17.925	ng	99
81) Benzo(a)anthracene	14.195	228	229745	11.166	ng	96
83) Chrysene	14.236	228	245385	12.753	ng	98
84) Bis(2-ethylhexyl)phtha...	14.172	149	206511	17.038	ng	99
87) Indeno(1,2,3-cd)pyrene	17.360	276	90534	6.544	ng	97
88) Benzo(b)fluoranthene	15.295	252	347350	24.548	ng	98
89) Benzo(k)fluoranthene	15.295	252	347350	25.082	ng	98
90) Benzo(a)pyrene	15.695	252	159023	12.008	ng	98
91) Dibenzo(a,h)anthracene	17.365	278	22840	2.026	ng	# 76
92) Benzo(g,h,i)perylene	17.848	276	90654	8.491	ng	95

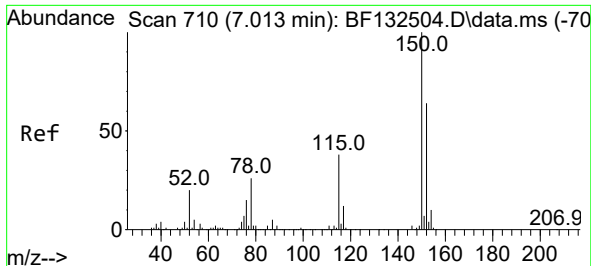
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132534.D
Acq On : 23 Feb 2023 22:32
Operator : CG\JU
Sample : 01645-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Quant Time: Feb 24 00:41:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 00:59:42 2023
Response via : Initial Calibration

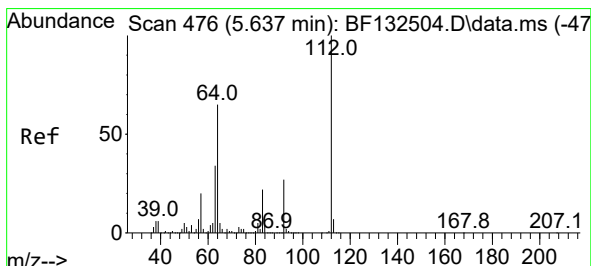
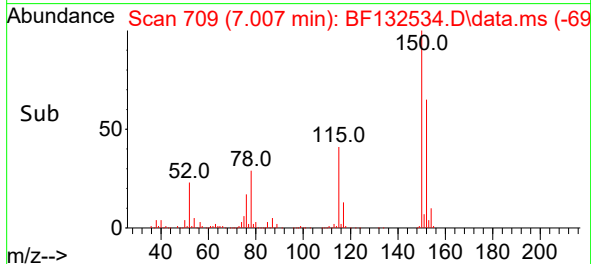
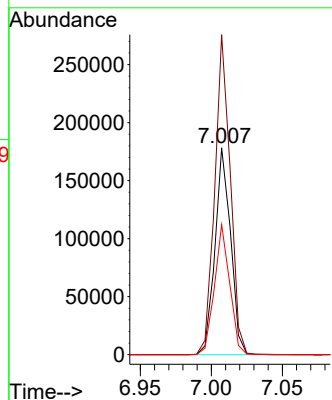
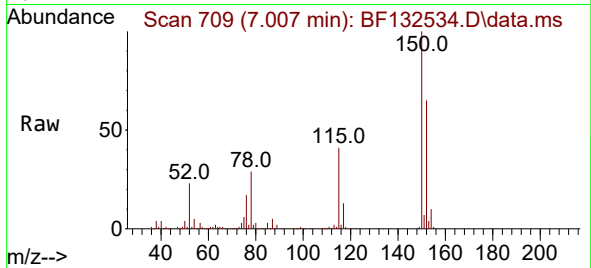




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

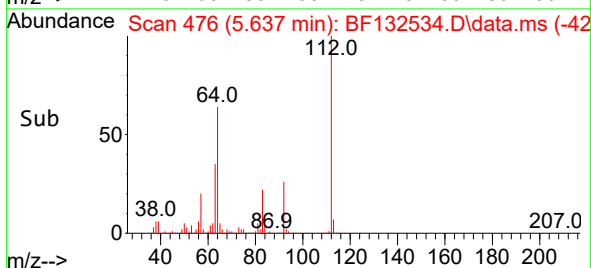
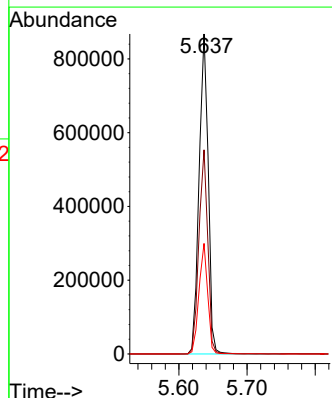
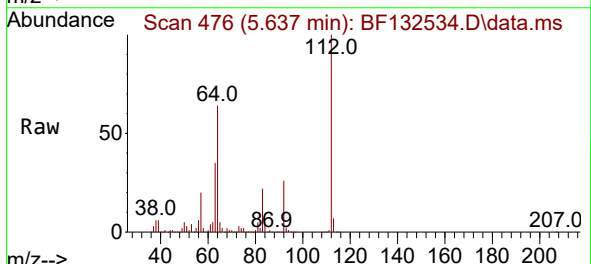
Instrument :
BNA_F
ClientSampleId :
ETGI-352

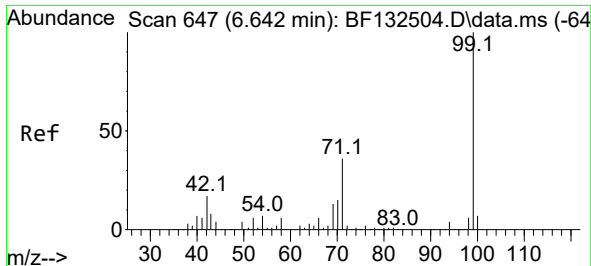
Tgt Ion:152 Resp: 136398
Ion Ratio Lower Upper
152 100
150 154.7 125.4 188.2
115 62.9 47.8 71.6



#5
2-Fluorophenol
Concen: 95.619 ng
RT: 5.637 min Scan# 476
Delta R.T. 0.000 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:112 Resp: 803600
Ion Ratio Lower Upper
112 100
64 63.8 51.6 77.4
63 34.5 27.4 41.2





#7

Phenol-d6

Concen: 92.478 ng

RT: 6.631 min Scan# 64

Delta R.T. -0.012 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

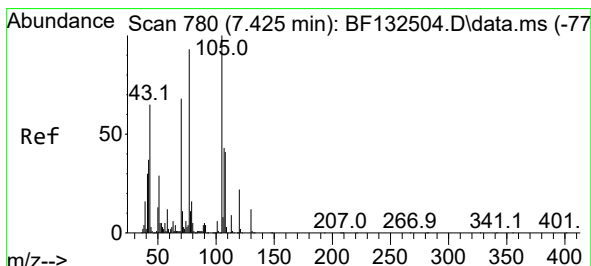
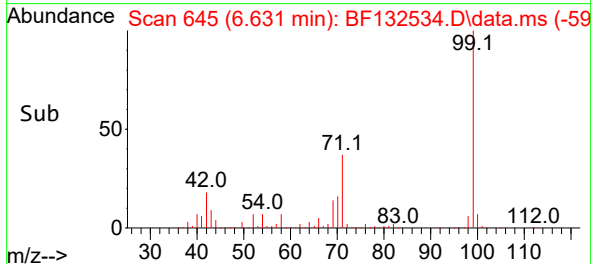
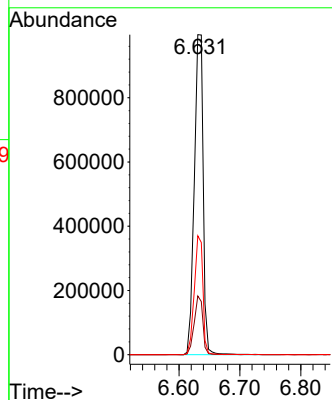
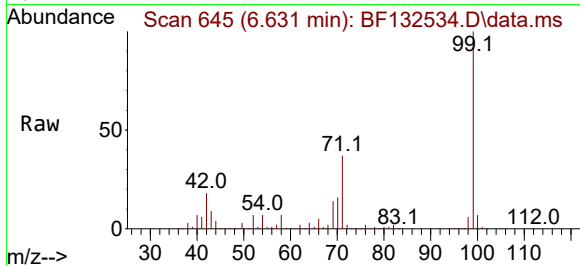
Tgt Ion: 99 Resp: 1014321

Ion Ratio Lower Upper

99 100

42 18.4 13.9 20.9

71 37.2 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.928 ng

RT: 7.572 min Scan# 805

Delta R.T. 0.147 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Tgt Ion: 70 Resp: 87268

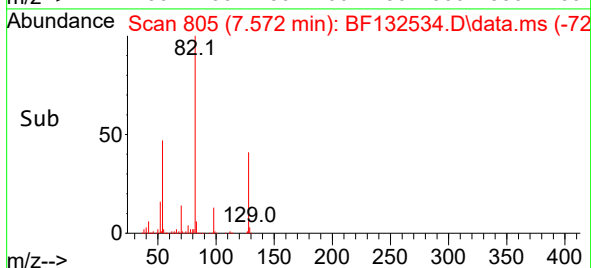
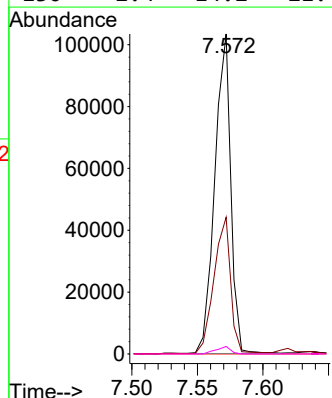
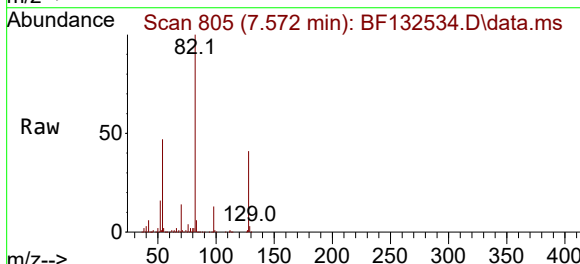
Ion Ratio Lower Upper

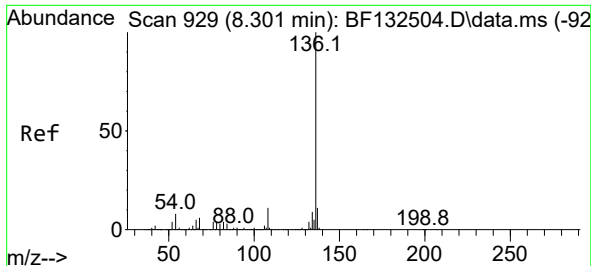
70 100

42 42.7 44.1 66.1#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

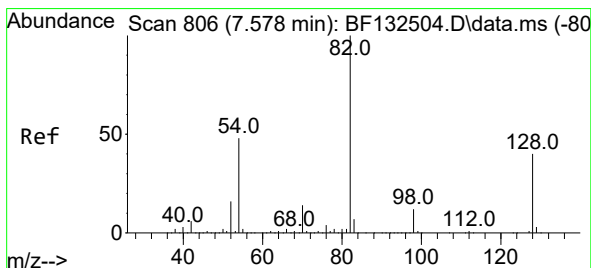
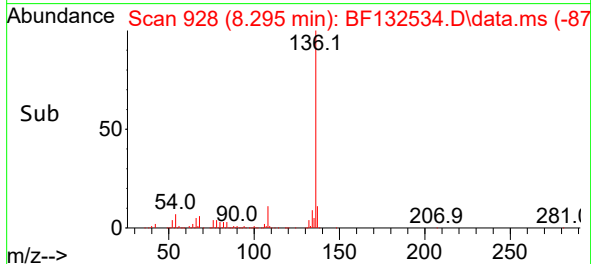
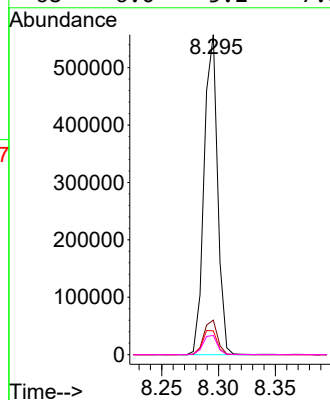
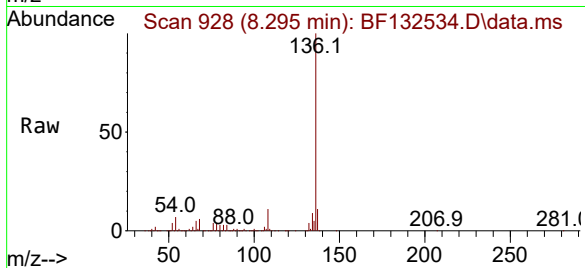




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

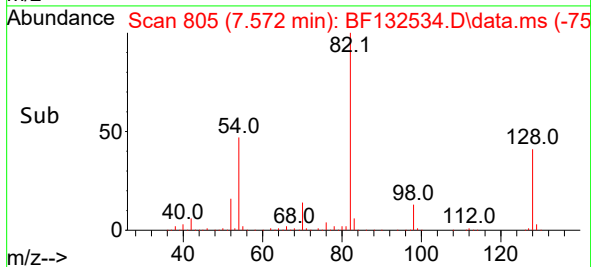
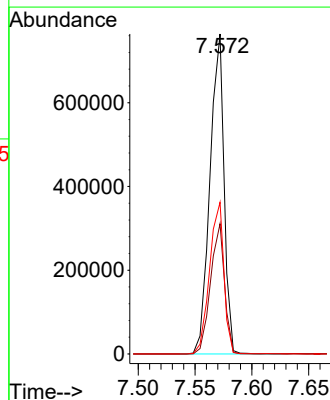
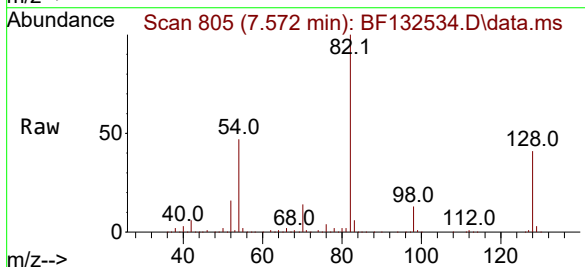
Instrument :
BNA_F
ClientSampleId :
ETGI-352

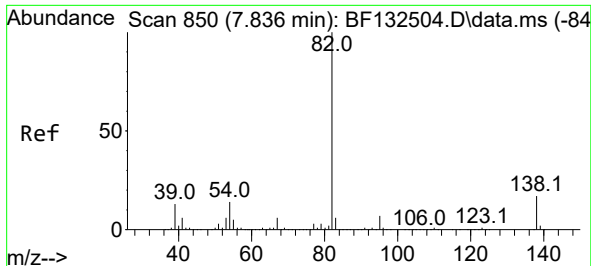
Tgt Ion:136 Resp: 460343
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 6.2 9.4
68 6.0 5.2 7.8



#23
Nitrobenzene-d5
Concen: 67.847 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion: 82 Resp: 658309
Ion Ratio Lower Upper
82 100
128 40.7 32.2 48.2
54 47.4 38.4 57.6

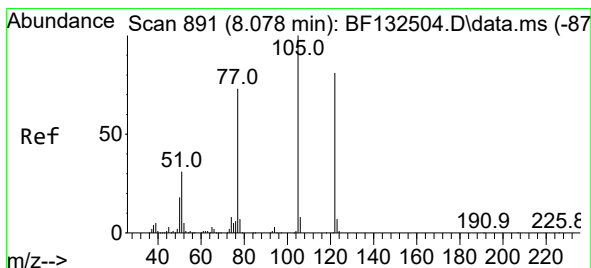
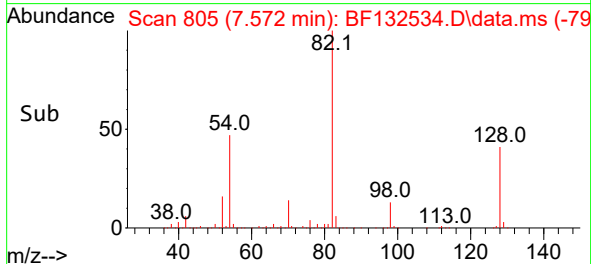
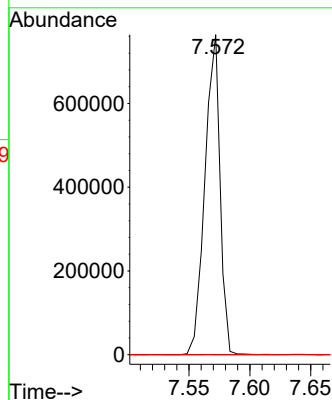
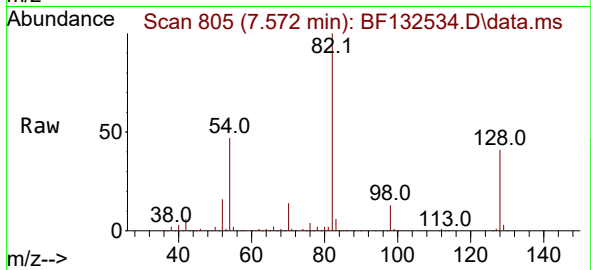




#25
Isophorone
Concen: 35.388 ng
RT: 7.572 min Scan# 80
Delta R.T. -0.264 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

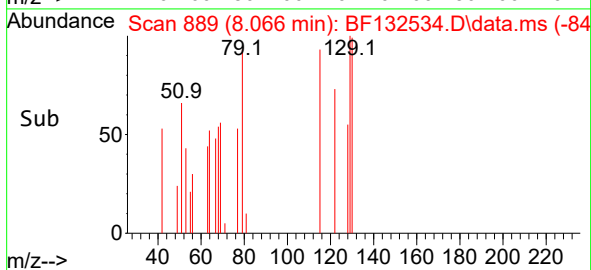
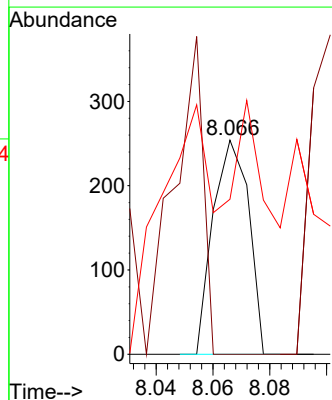
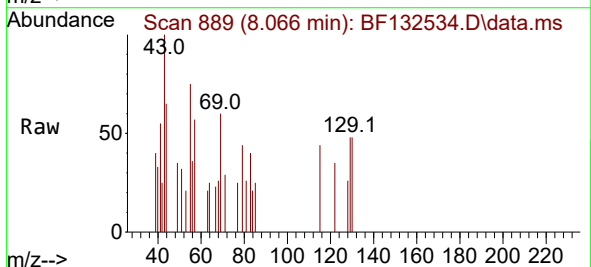
Instrument :
BNA_F
ClientSampleId :
ETGI-352

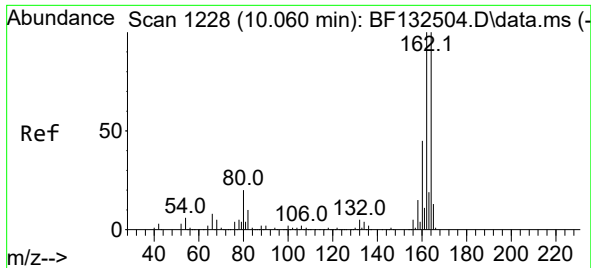
Tgt Ion: 82 Resp: 658300
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.872 ng
RT: 8.066 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion: 122 Resp: 221
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 72.4 70.2 110.2

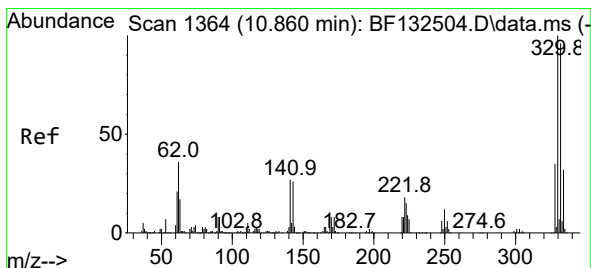
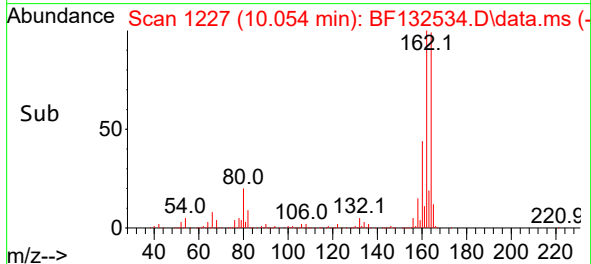
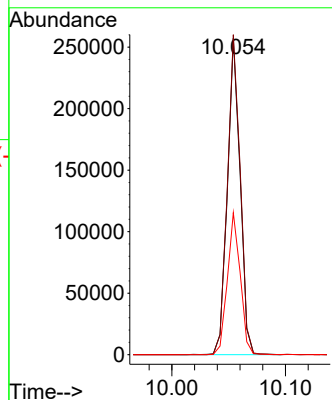
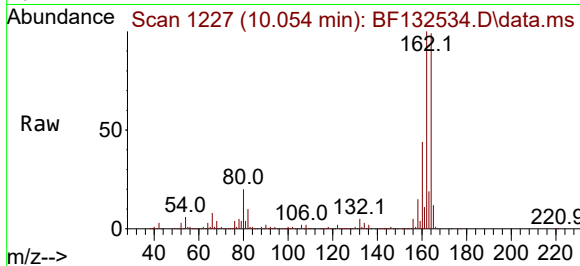




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

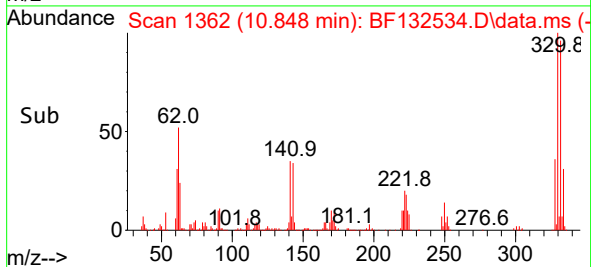
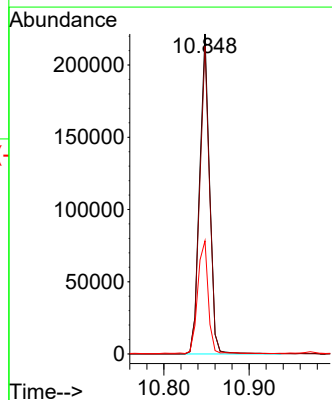
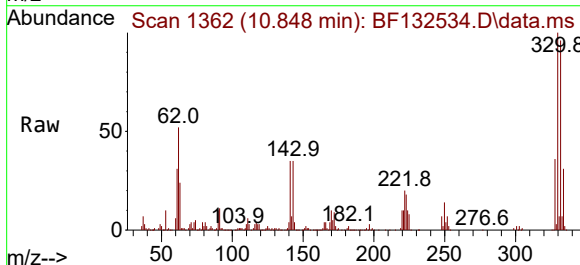
Instrument :
BNA_F
ClientSampleId :
ETGI-352

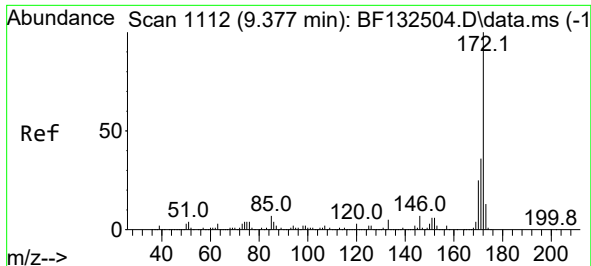
Tgt Ion:164 Resp: 200365
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 44.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 83.272 ng
RT: 10.848 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:330 Resp: 180189
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 36.8 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 74.716 ng

RT: 9.366 min Scan# 1110

Delta R.T. -0.011 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

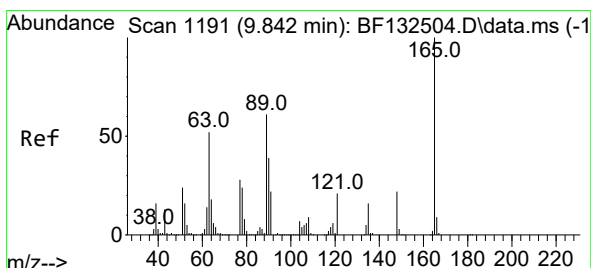
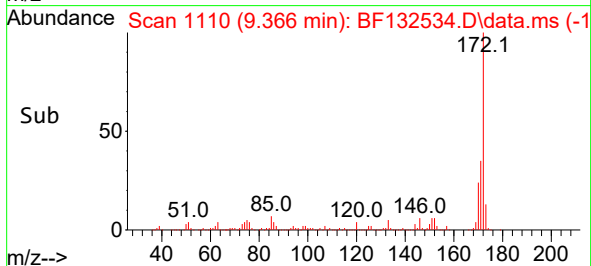
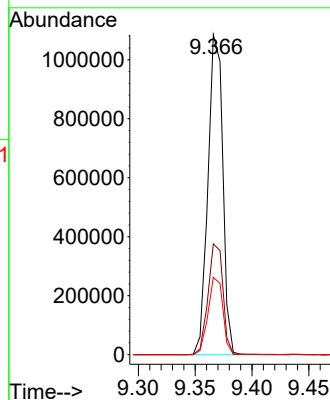
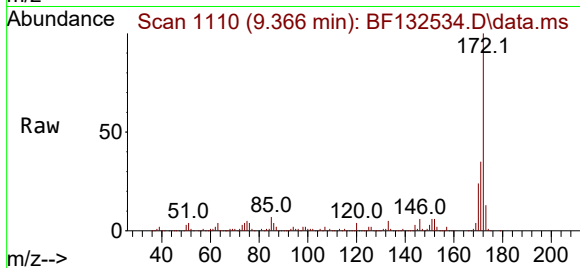
Tgt Ion:172 Resp: 983183

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 24.2 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.809 ng

RT: 10.054 min Scan# 1227

Delta R.T. 0.212 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

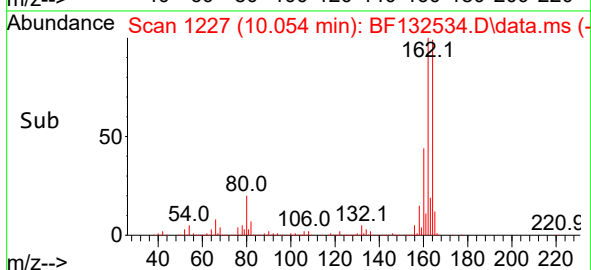
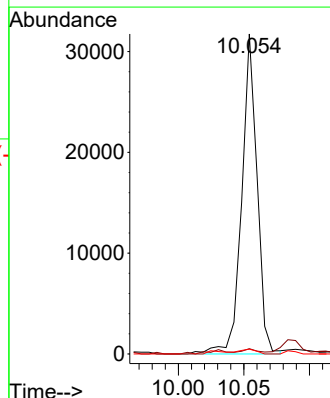
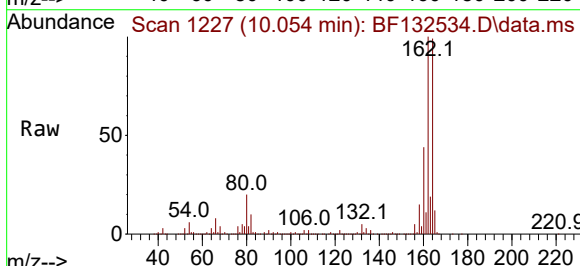
Tgt Ion:165 Resp: 25947

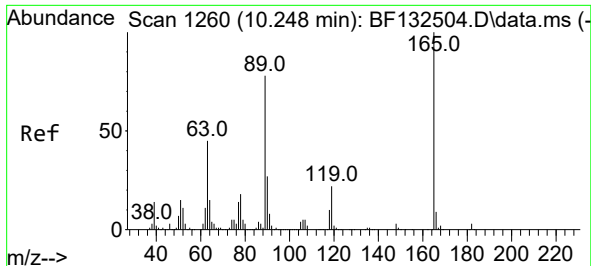
Ion Ratio Lower Upper

165 100

63 1.6 47.3 70.9#

89 1.5 48.9 73.3#

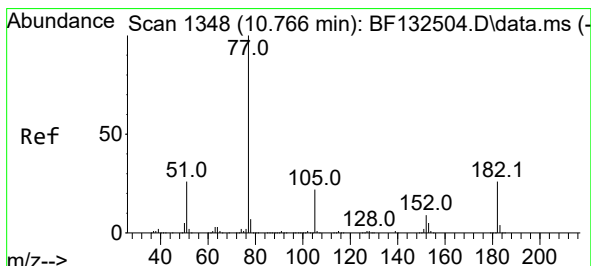
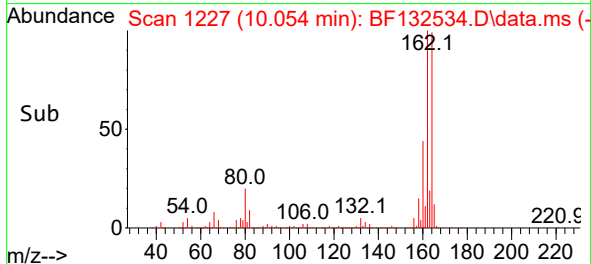
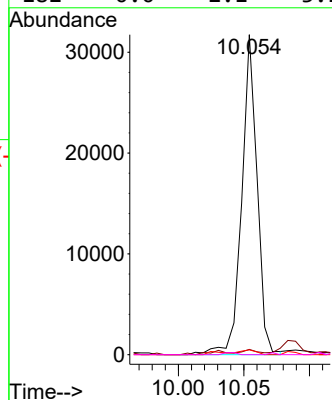
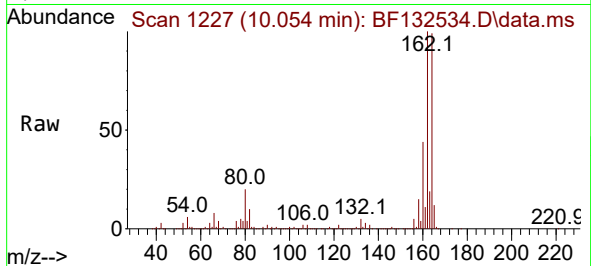




#57
2,4-Dinitrotoluene
Concen: 5.870 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

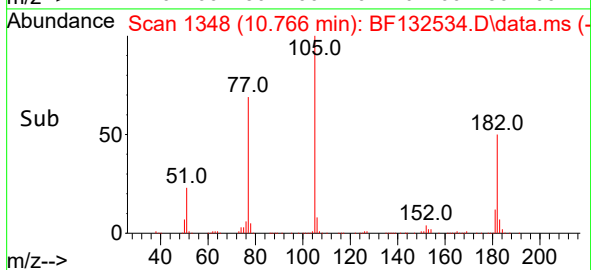
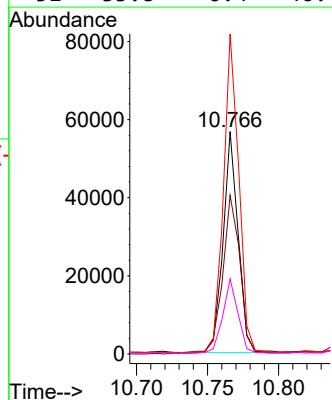
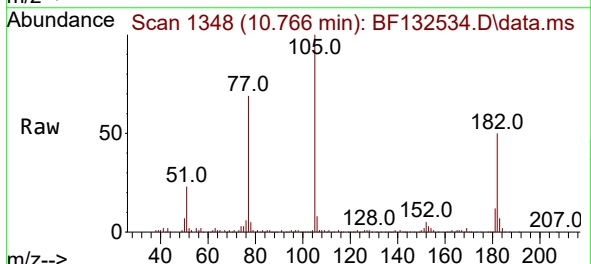
Instrument :
BNA_F
ClientSampleId :
ETGI-352

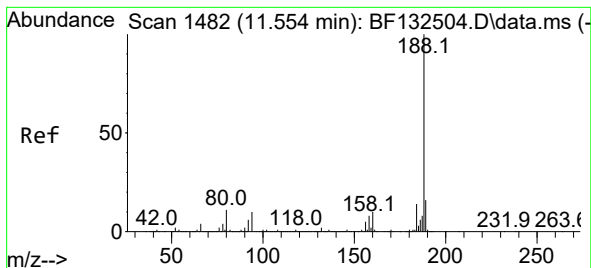
Tgt Ion:165 Resp: 25947
Ion Ratio Lower Upper
165 100
63 1.6 36.5 54.7#
89 1.5 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.776 ng
RT: 10.766 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion: 77 Resp: 41890
Ion Ratio Lower Upper
77 100
182 71.3 5.5 45.5#
105 143.9 1.8 41.8#
51 33.8 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.548 min Scan# 1482

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

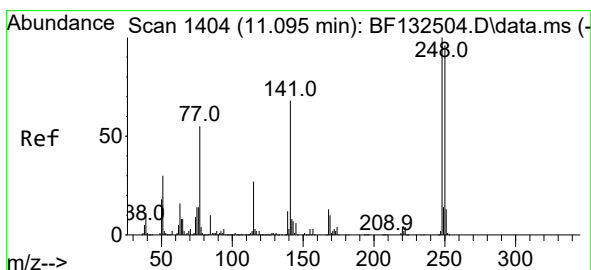
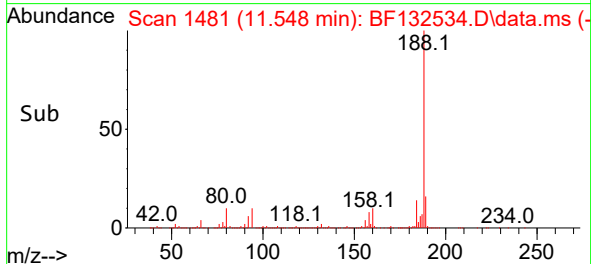
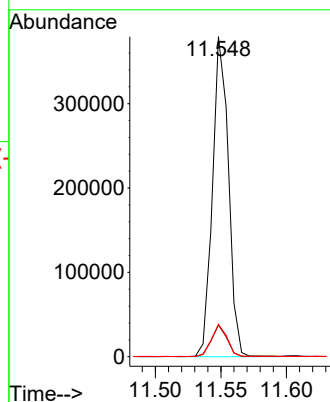
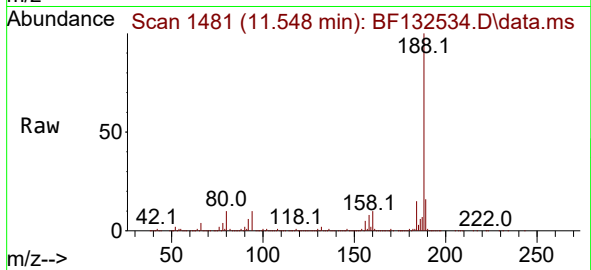
Tgt Ion:188 Resp: 321538

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.1 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 3.444 ng

RT: 10.848 min Scan# 1362

Delta R.T. -0.247 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

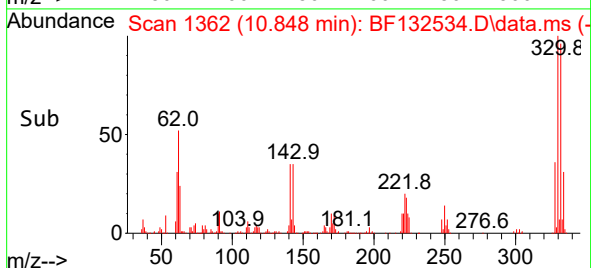
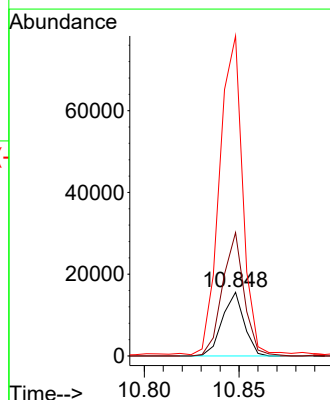
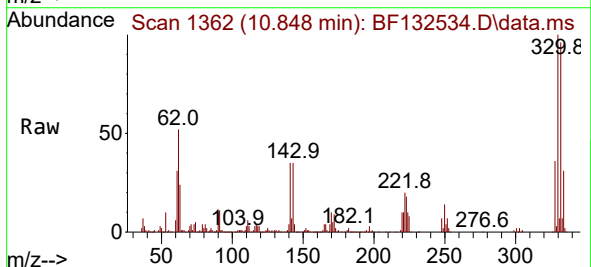
Tgt Ion:248 Resp: 12526

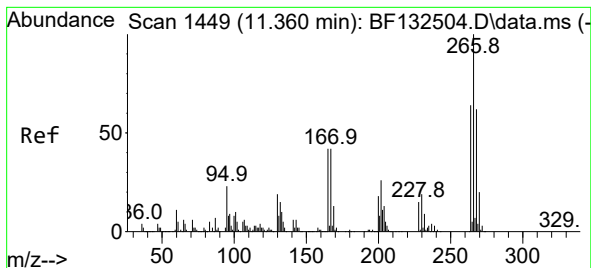
Ion Ratio Lower Upper

248 100

250 193.5 77.0 115.4#

141 502.1 54.2 81.2#





#70

Pentachlorophenol

Concen: 9.974 ng

RT: 11.354 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

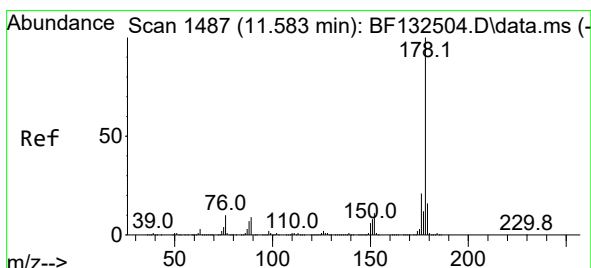
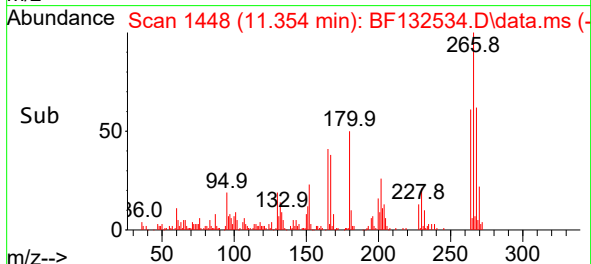
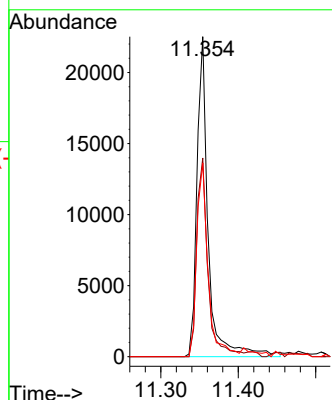
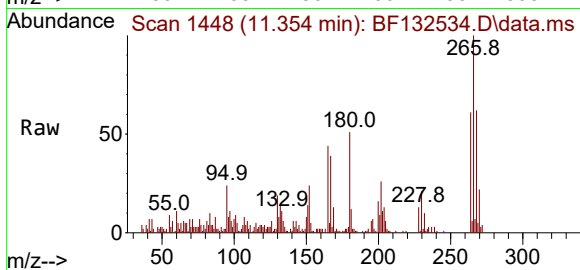
Tgt Ion:266 Resp: 22711

Ion Ratio Lower Upper

266 100

268 62.1 49.8 74.6

264 60.5 50.9 76.3



#71

Phenanthrene

Concen: 13.423 ng

RT: 11.572 min Scan# 1485

Delta R.T. -0.012 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

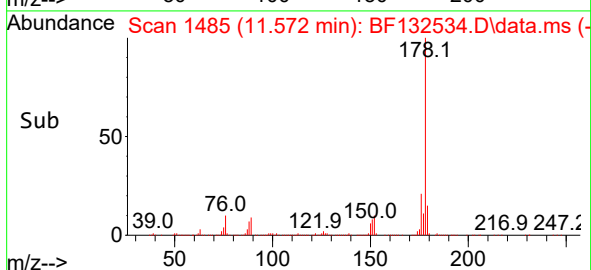
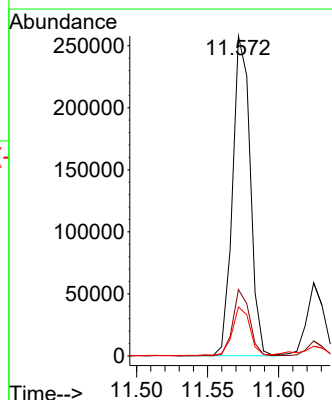
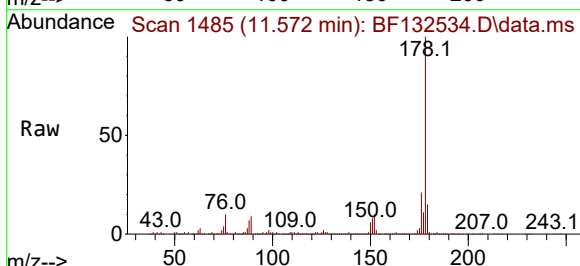
Tgt Ion:178 Resp: 223587

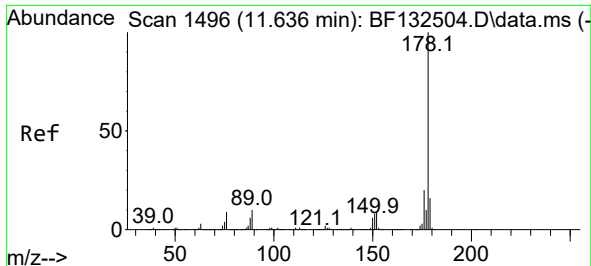
Ion Ratio Lower Upper

178 100

176 20.8 16.5 24.7

179 15.3 13.0 19.6

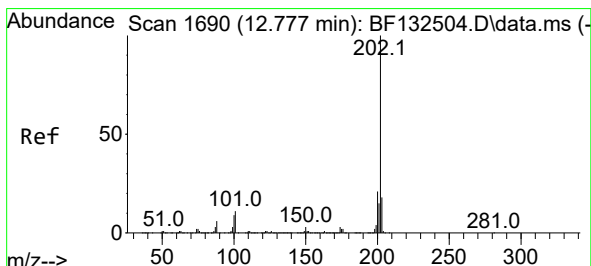
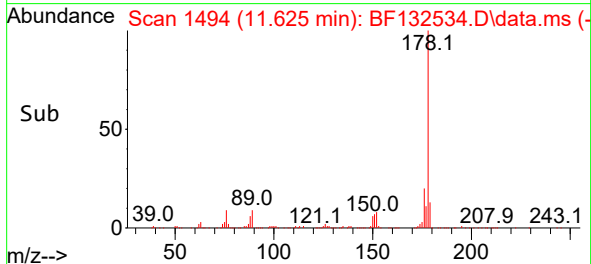
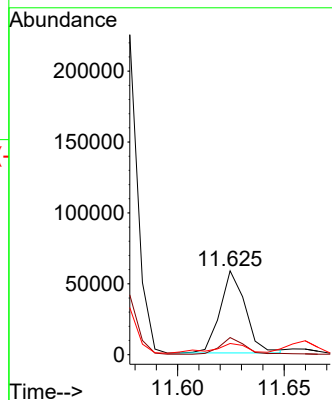
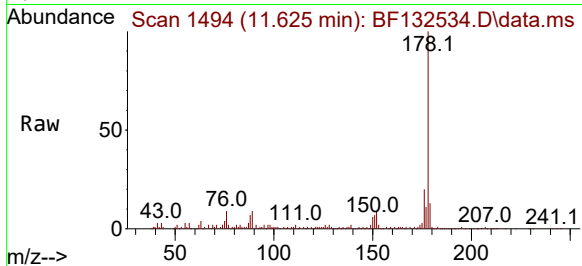




#72
 Anthracene
 Concen: 2.805 ng
 RT: 11.625 min Scan# 1496
 Delta R.T. -0.012 min
 Lab File: BF132534.D
 Acq: 23 Feb 2023 22:32

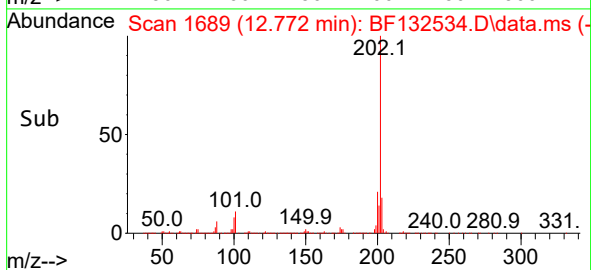
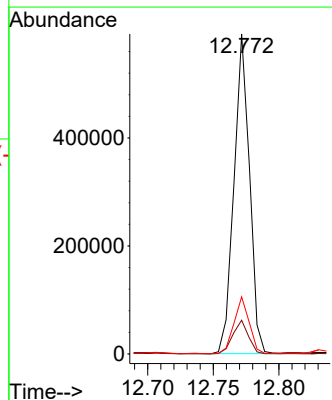
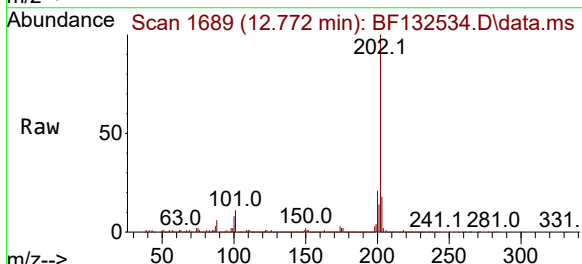
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-352

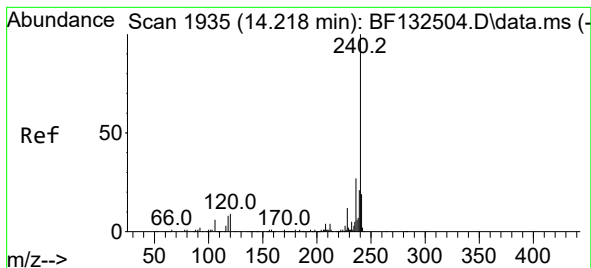
Tgt Ion:178 Resp: 48109
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.6 23.4
 179 13.3 12.5 18.7



#75
 Fluoranthene
 Concen: 26.822 ng
 RT: 12.772 min Scan# 1689
 Delta R.T. -0.006 min
 Lab File: BF132534.D
 Acq: 23 Feb 2023 22:32

Tgt Ion:202 Resp: 488429
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.4
 203 17.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.207 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

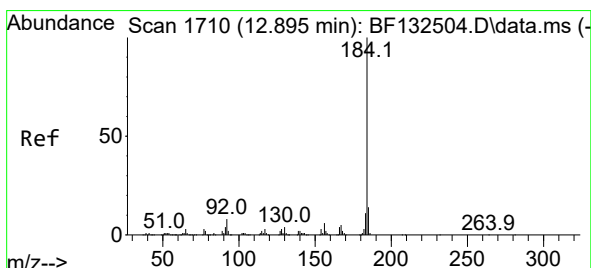
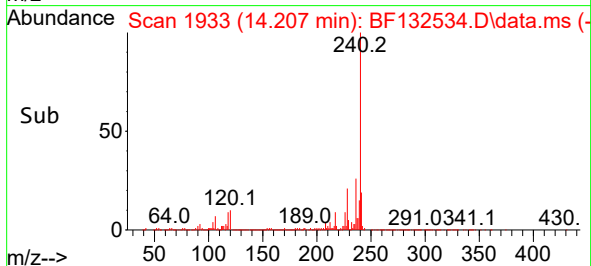
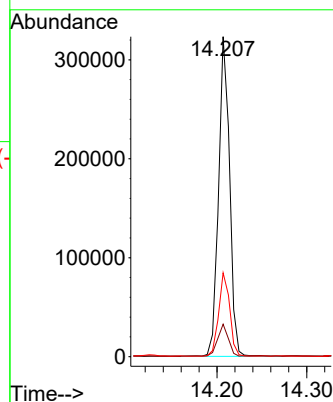
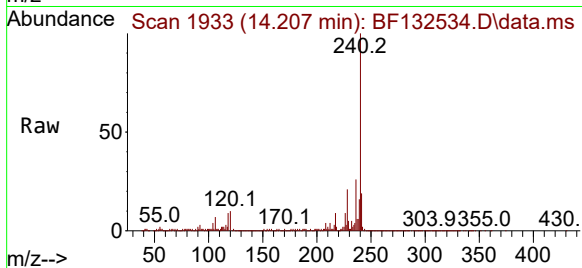
Tgt Ion:240 Resp: 275001

Ion Ratio Lower Upper

240 100

120 10.2 7.2 10.8

236 26.2 21.8 32.6



#77

Benzidine

Concen: 2.061 ng

RT: 13.142 min Scan# 1752

Delta R.T. 0.247 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

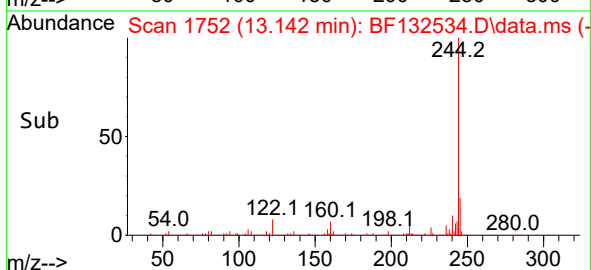
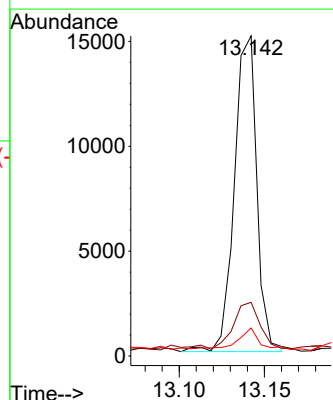
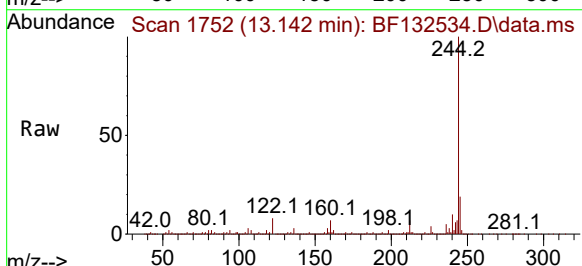
Tgt Ion:184 Resp: 13798

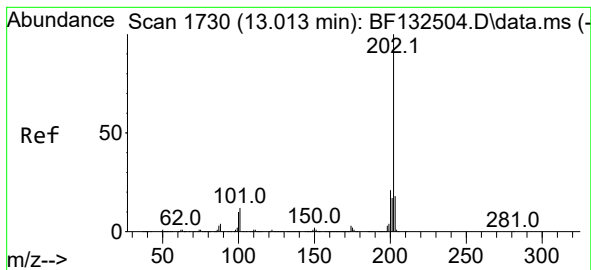
Ion Ratio Lower Upper

184 100

185 16.8 11.7 17.5

183 8.7 8.7 13.1





#78

Pyrene

Concen: 17.925 ng

RT: 13.007 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

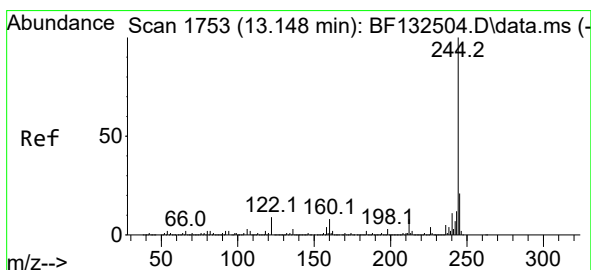
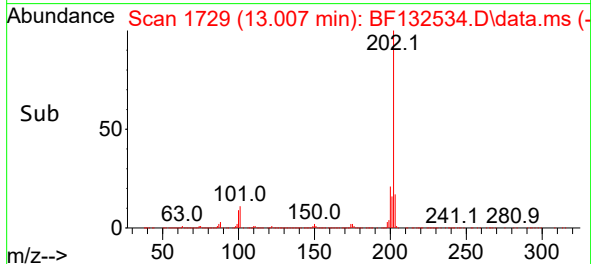
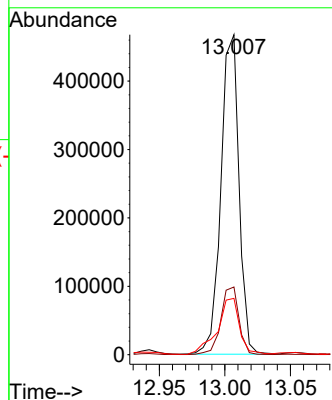
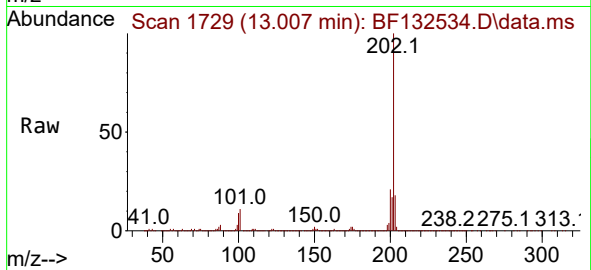
Tgt Ion:202 Resp: 448172

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.6 14.6 21.8



#79

Terphenyl-d14

Concen: 56.751 ng

RT: 13.142 min Scan# 1752

Delta R.T. -0.006 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

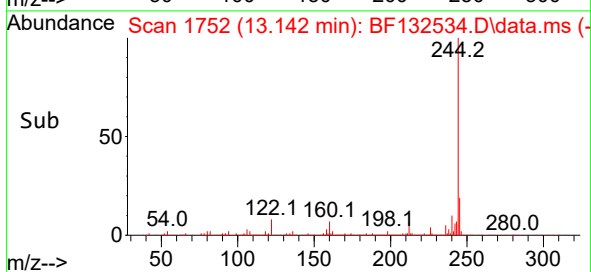
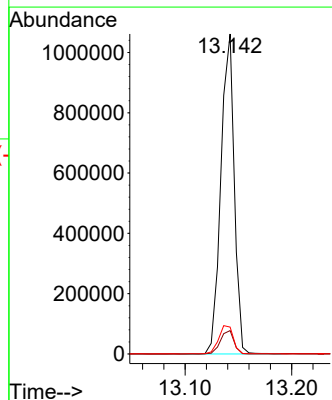
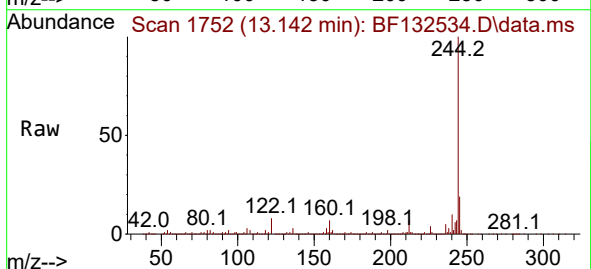
Tgt Ion:244 Resp: 923065

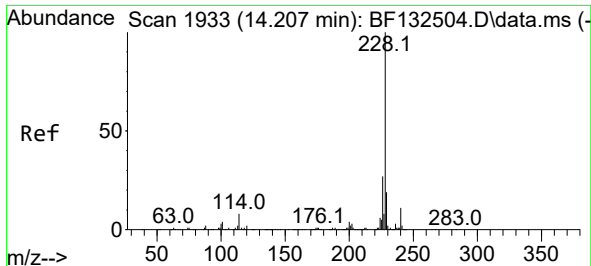
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 8.4 7.5 11.3

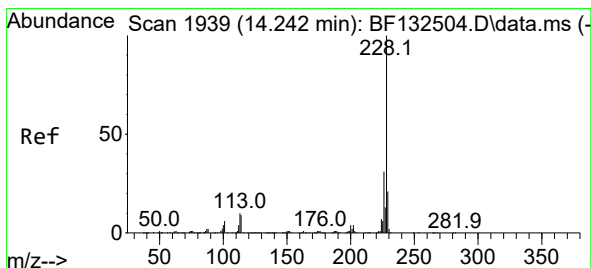
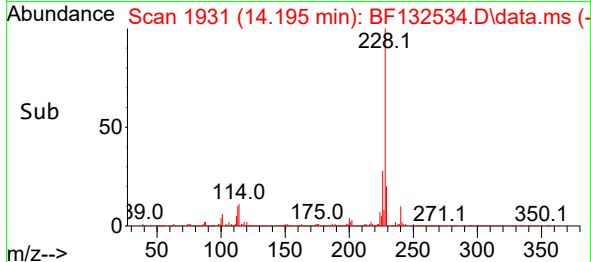
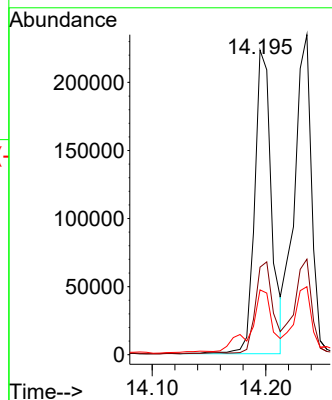
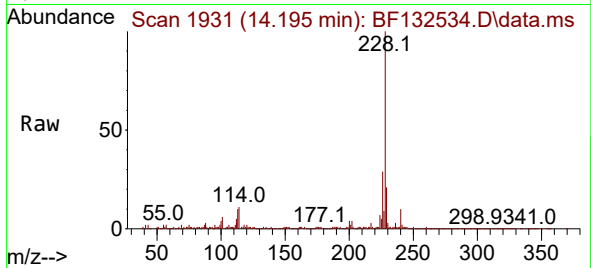




#81
Benzo(a)anthracene
Concen: 11.166 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

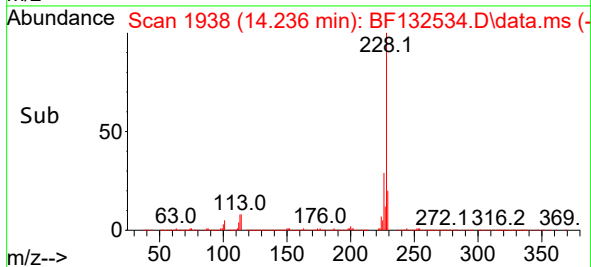
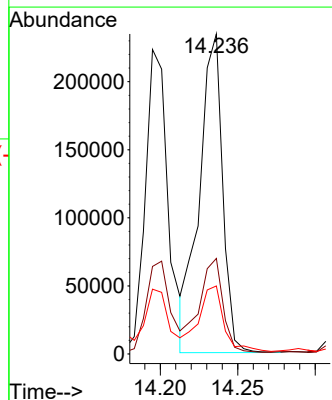
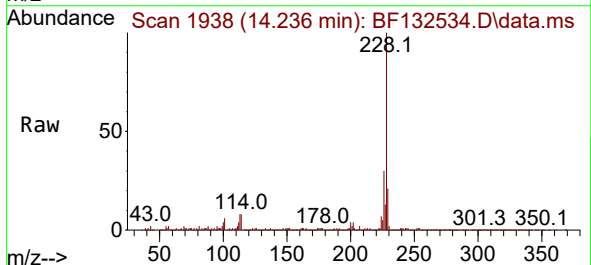
Instrument :
BNA_F
ClientSampleId :
ETGI-352

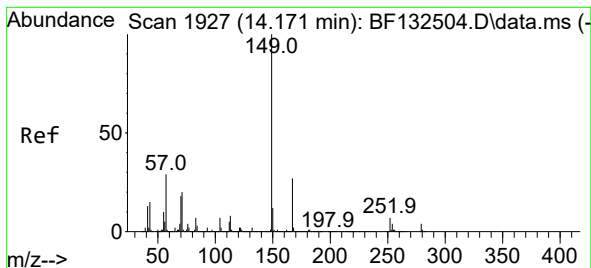
Tgt Ion:228 Resp: 229745
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 21.3 15.4 23.2



#83
Chrysene
Concen: 12.753 ng
RT: 14.236 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:228 Resp: 245385
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.3 16.4 24.6

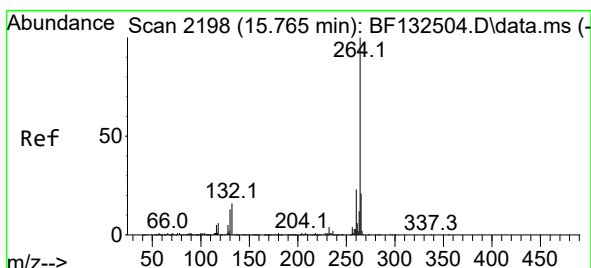
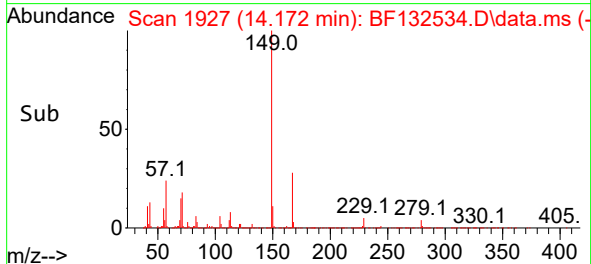
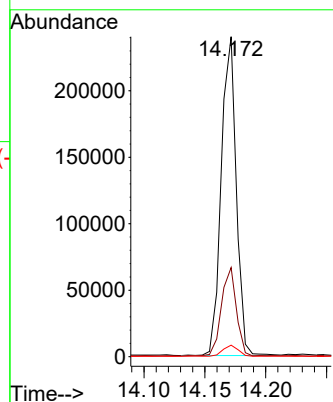
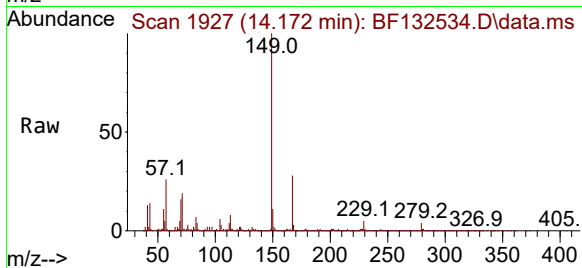




#84
Bis(2-ethylhexyl)phthalate
Concen: 17.038 ng
RT: 14.172 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

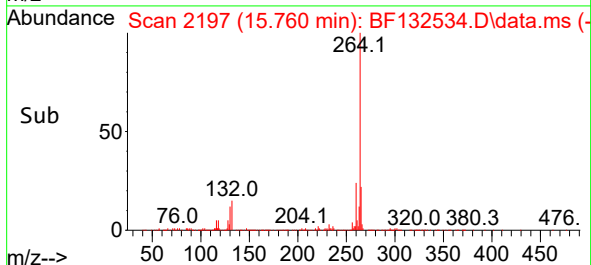
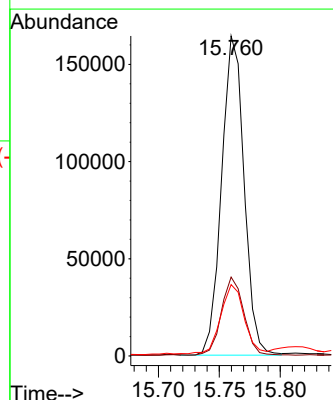
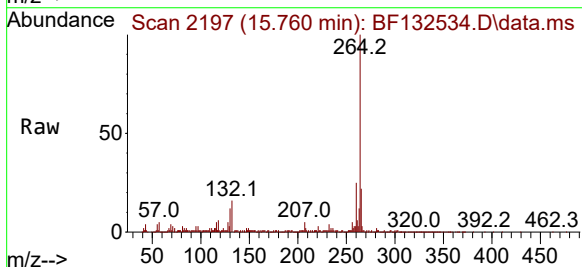
Instrument :
BNA_F
ClientSampleId :
ETGI-352

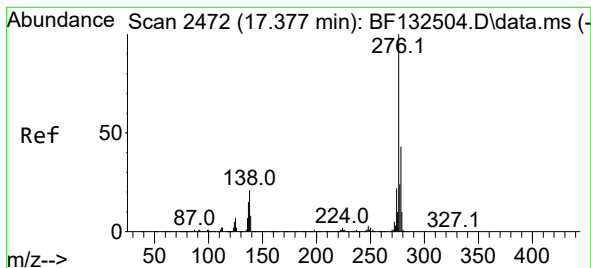
Tgt Ion:149 Resp: 206511
Ion Ratio Lower Upper
149 100
167 27.9 21.8 32.6
279 3.6 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:264 Resp: 211144
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.544 ng

RT: 17.360 min Scan# 2469

Delta R.T. -0.017 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

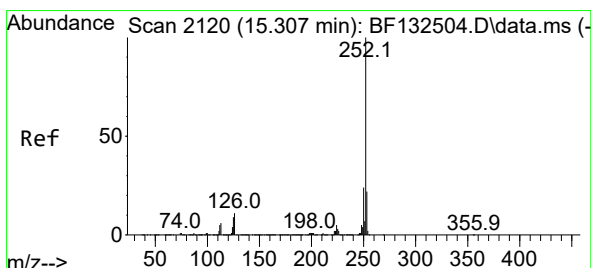
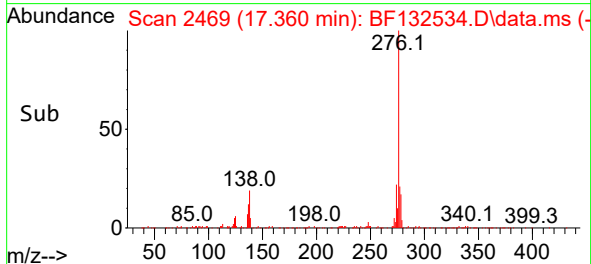
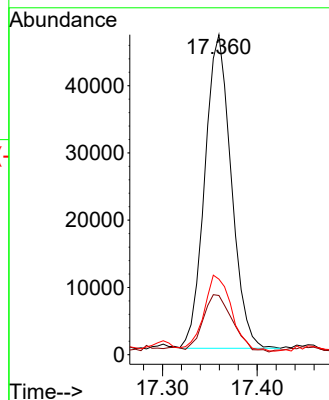
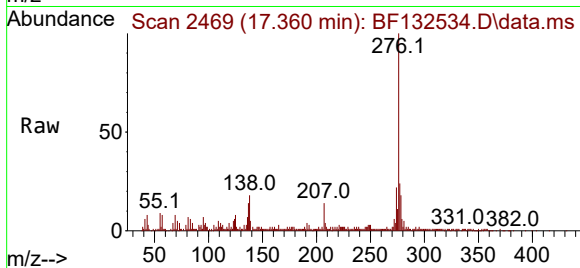
Tgt Ion:276 Resp: 90534

Ion Ratio Lower Upper

276 100

138 20.5 19.0 28.4

277 25.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 24.548 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.012 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

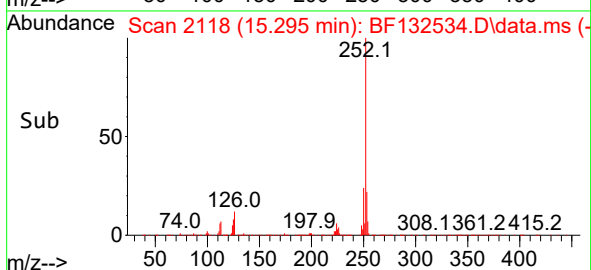
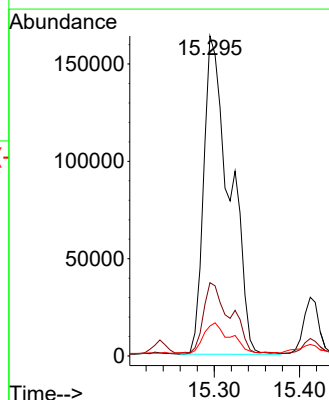
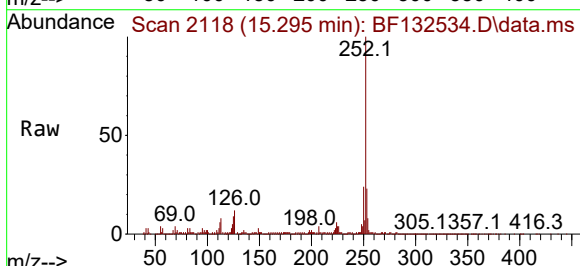
Tgt Ion:252 Resp: 347350

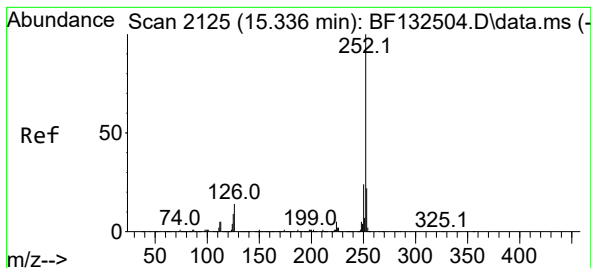
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 9.3 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 25.082 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.041 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

Instrument :

BNA_F

ClientSampleId :

ETGI-352

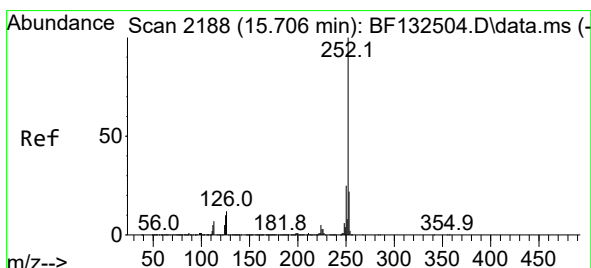
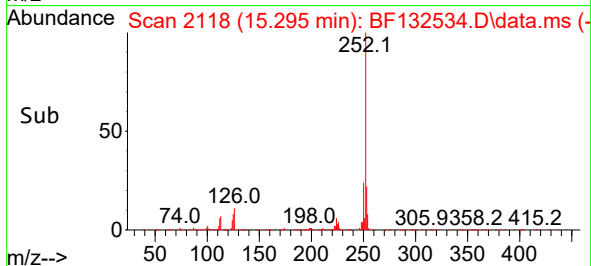
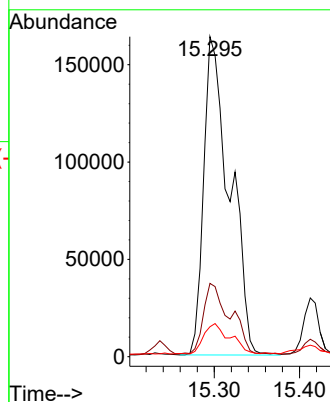
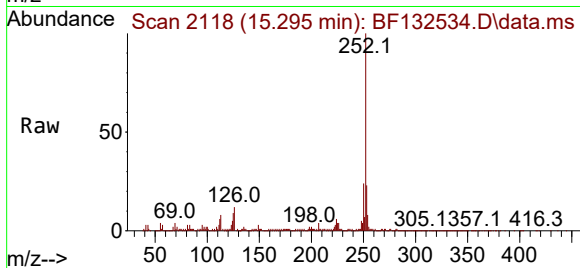
Tgt Ion:252 Resp: 347350

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 9.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 12.008 ng

RT: 15.695 min Scan# 2186

Delta R.T. -0.012 min

Lab File: BF132534.D

Acq: 23 Feb 2023 22:32

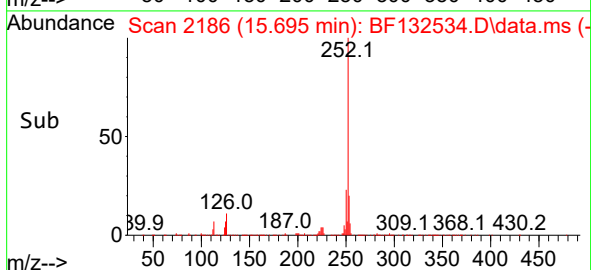
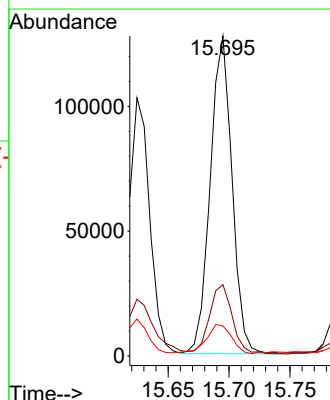
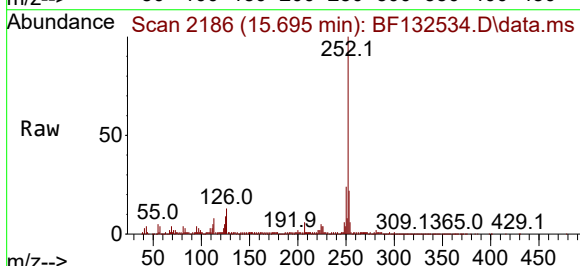
Tgt Ion:252 Resp: 159023

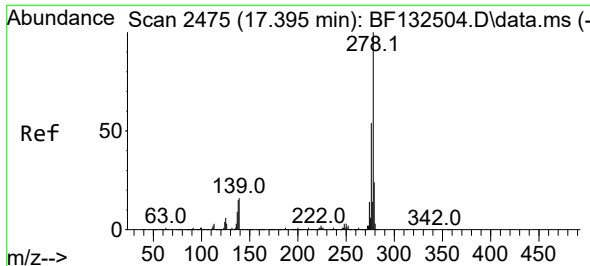
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 9.4 8.0 12.0

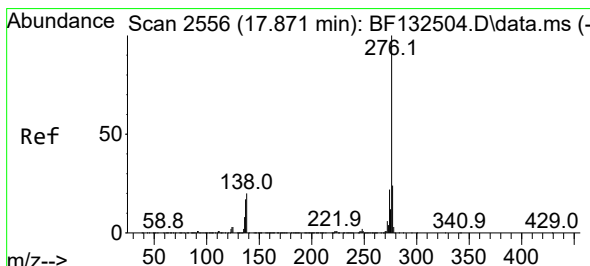
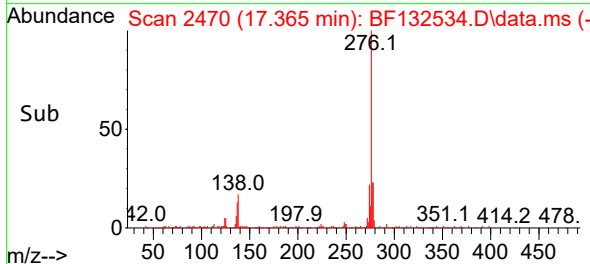
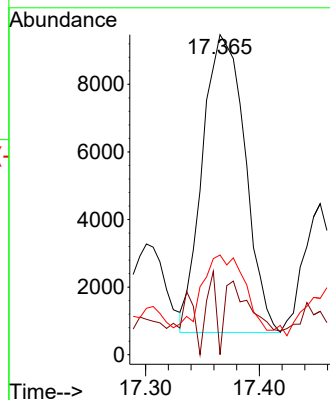
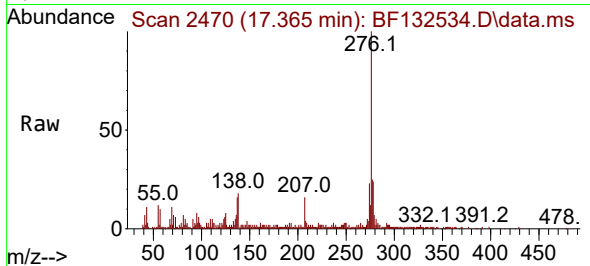




#91
Dibenzo(a,h)anthracene
Concen: 2.026 ng
RT: 17.365 min Scan# 2475
Delta R.T. -0.029 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Instrument :
BNA_F
ClientSampleId :
ETGI-352

Tgt Ion:278 Resp: 22840
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 31.2 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 8.491 ng
RT: 17.848 min Scan# 2552
Delta R.T. -0.023 min
Lab File: BF132534.D
Acq: 23 Feb 2023 22:32

Tgt Ion:276 Resp: 90654
Ion Ratio Lower Upper
276 100
277 26.6 18.9 28.3
138 21.7 16.2 24.4

