

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
 Data File : BF129897.D
 Acq On : 19 Aug 2022 02:36
 Operator : CG\JU
 Sample : N4214-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354

Quant Time: Aug 19 03:20:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

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

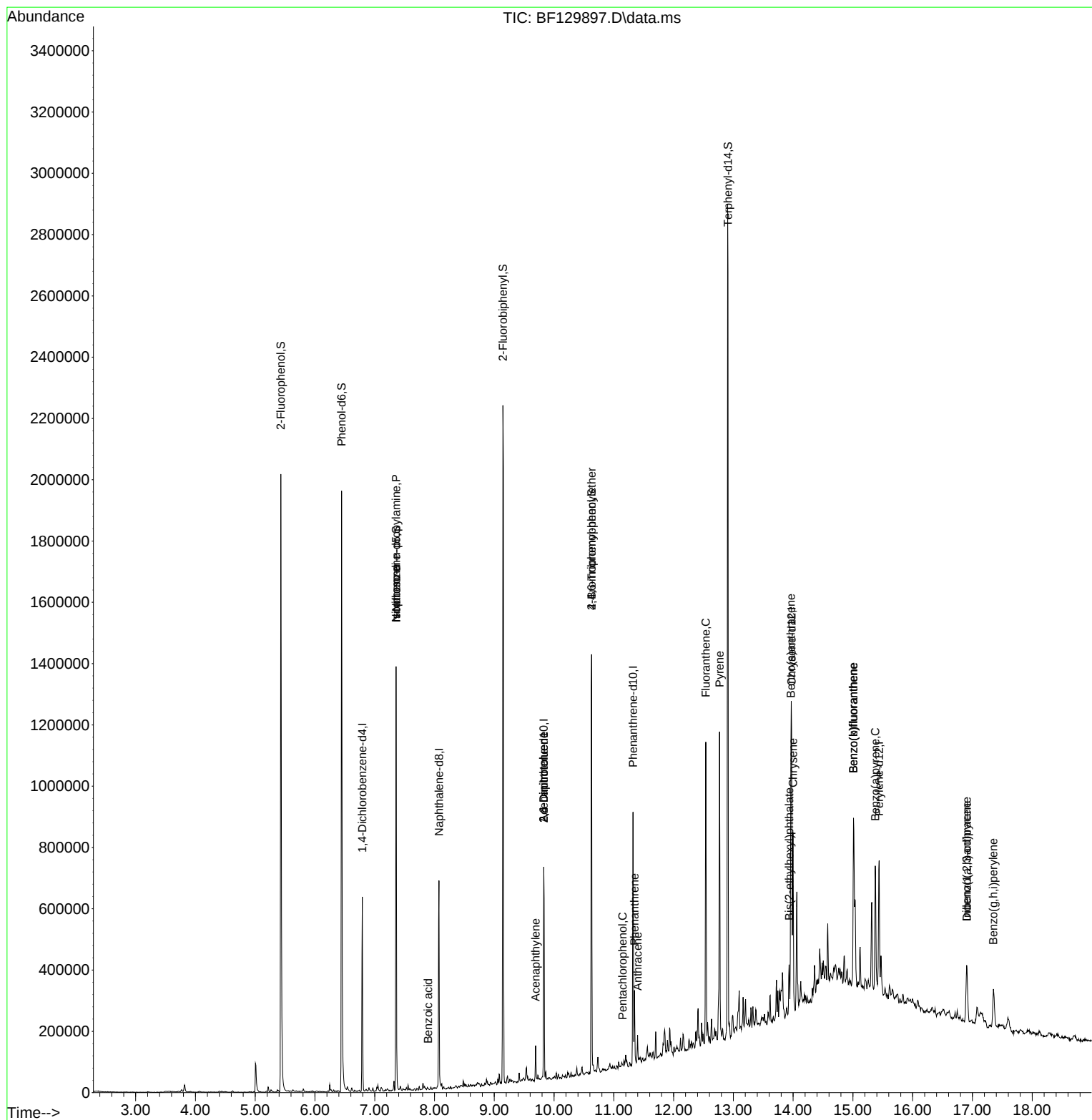
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	87513	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	292261	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	142070	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	262211	20.000	ng	0.00
76) Chrysene-d12	13.974	240	256355	20.000	ng	0.00
86) Perylene-d12	15.439	264	202033	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	569610	107.767	ng	0.00
7) Phenol-d6	6.446	99	642074	97.005	ng	0.00
23) Nitrobenzene-d5	7.357	82	394229	72.209	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	159097	111.578	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	682770	72.992	ng	0.00
79) Terphenyl-d14	12.910	244	941708	61.124	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.346	77	257	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	53463	12.779	ng	# 74
25) Isophorone	7.357	82	394294	41.961	ng	# 65
32) Benzoic acid	7.892	122	208	2.306	ng	# 37
49) Acenaphthylene	9.692	152	39063	3.017	ng	99
51) 2,6-Dinitrotoluene	9.828	165	17921	8.112	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	17921	6.249	ng	# 18
67) 4-Bromophenyl-phenylether	10.628	248	10404	3.388	ng	# 1
70) Pentachlorophenol	11.145	266	243	5.410	ng	# 67
71) Phenanthrene	11.345	178	77913	5.320	ng	99
72) Anthracene	11.398	178	31946	2.194	ng	99
75) Fluoranthene	12.539	202	339057	22.626	ng	99
77) Benzidine	12.504	184	868	Below Cal	#	1
78) Pyrene	12.769	202	376878	16.918	ng	99
81) Benzo(a)anthracene	13.963	228	248538	14.094	ng	94
83) Chrysene	13.998	228	238976	14.477	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	44469	3.976	ng	98
87) Indeno(1,2,3-cd)pyrene	16.904	276	112638	8.121	ng	93
88) Benzo(b)fluoranthene	15.010	252	396629	28.670	ng	98
89) Benzo(k)fluoranthene	15.010	252	396629	29.895	ng	97
90) Benzo(a)pyrene	15.374	252	190984	17.530	ng	97
91) Dibenzo(a,h)anthracene	16.904	278	30763	2.688	ng	# 92
92) Benzo(g,h,i)perylene	17.351	276	103939	9.104	ng	94

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

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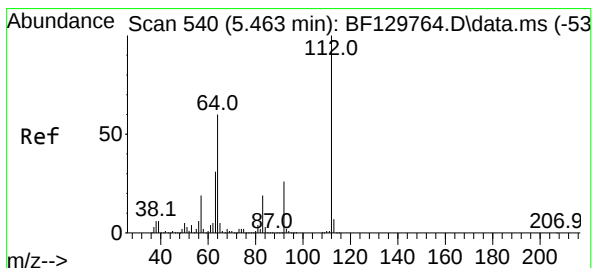
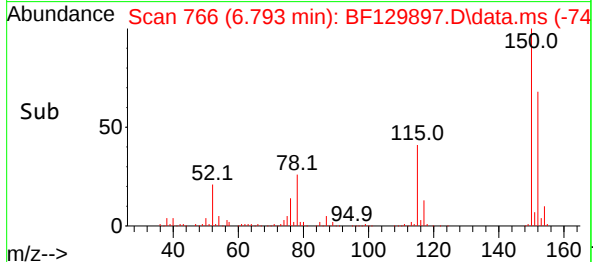
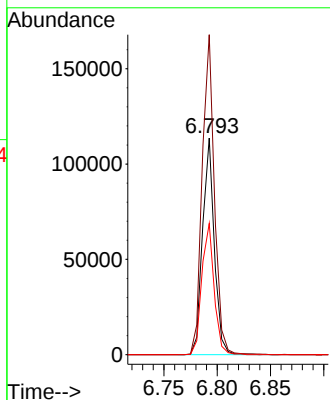
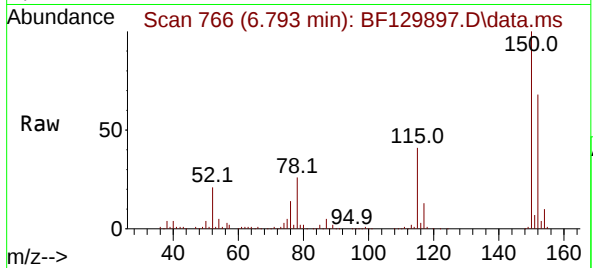




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 70
Delta R.T. 0.001 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

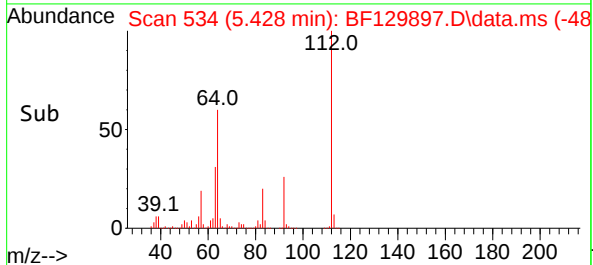
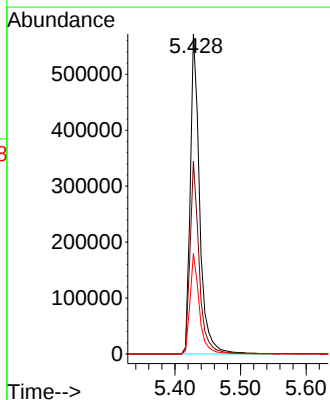
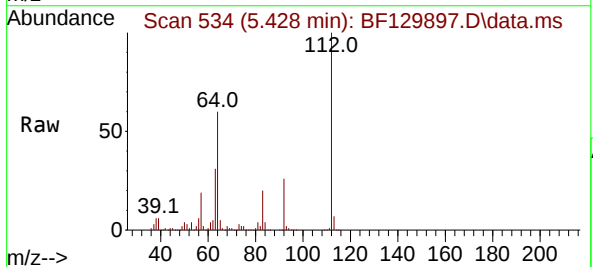
Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion:152 Resp: 87513
Ion Ratio Lower Upper
152 100
150 147.7 126.9 190.3
115 60.6 53.4 80.0



#5
2-Fluorophenol
Concen: 107.767 ng
RT: 5.428 min Scan# 534
Delta R.T. 0.000 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:112 Resp: 569610
Ion Ratio Lower Upper
112 100
64 60.2 47.6 71.4
63 31.3 24.6 37.0

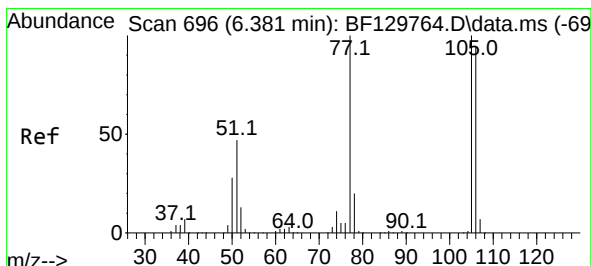
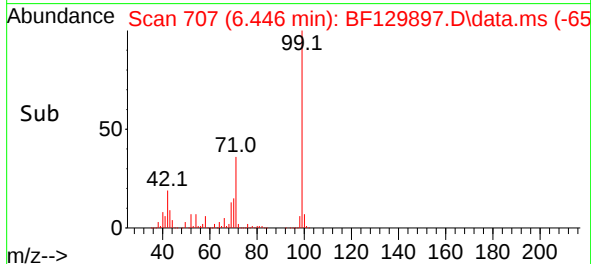
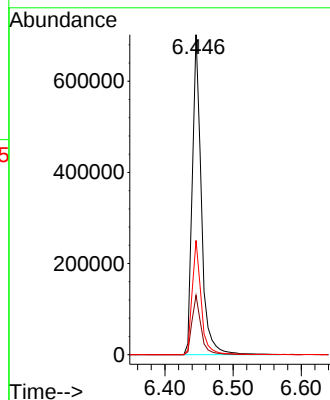
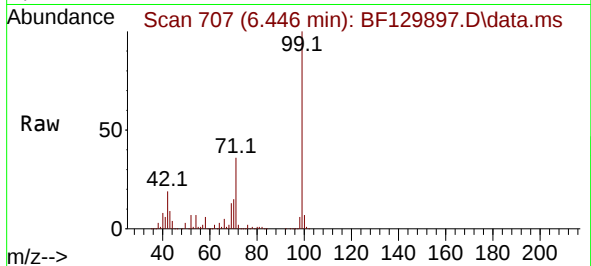




#7
Phenol-d6
Concen: 97.005 ng
RT: 6.446 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

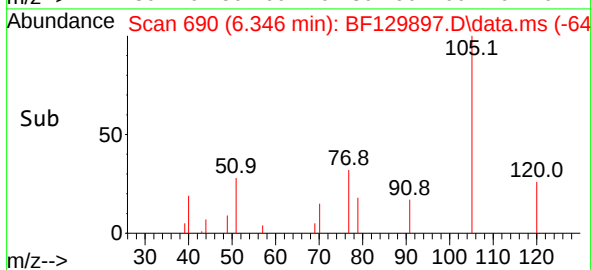
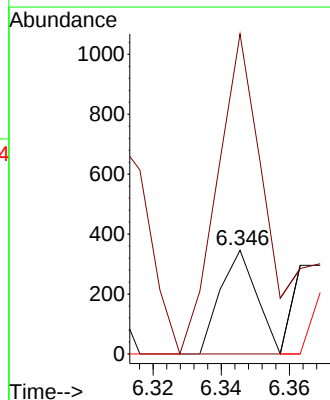
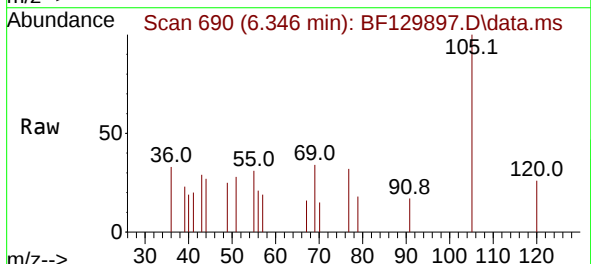
Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion: 99 Resp: 642074
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 35.7 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.346 min Scan# 690
Delta R.T. -0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion: 77 Resp: 257
Ion Ratio Lower Upper
77 100
105 308.7 80.3 120.3#
106 0.0 74.3 114.3#

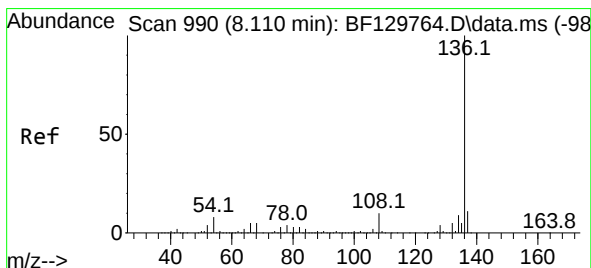
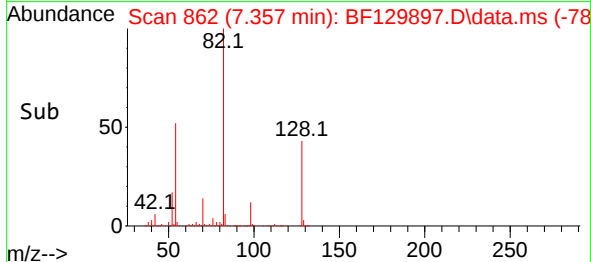
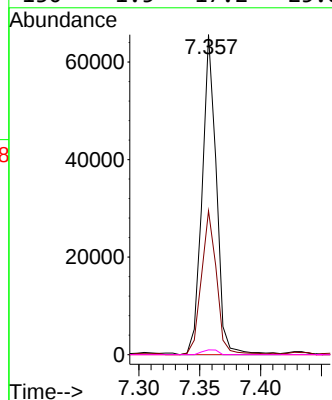
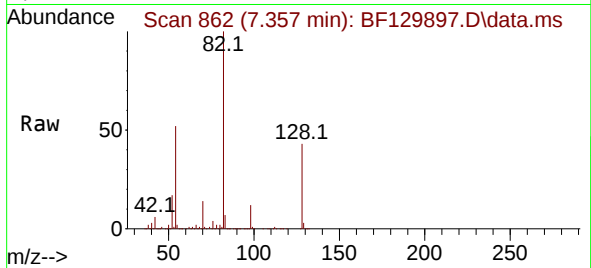




#19
n-Nitroso-di-n-propylamine
Concen: 12.779 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

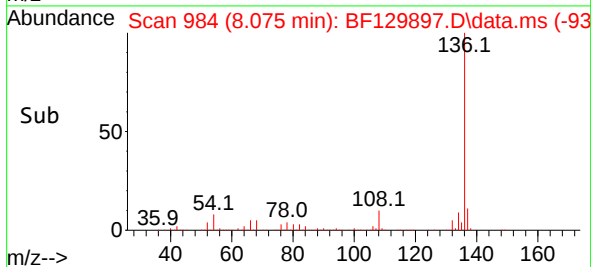
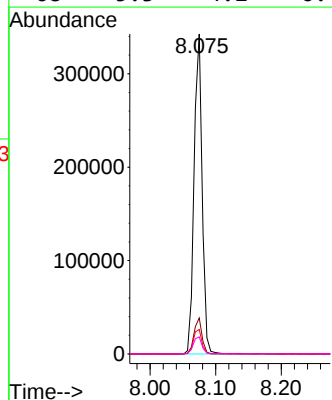
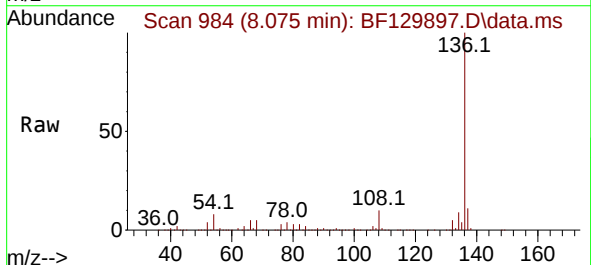
Instrument :
BNA_F
ClientSampleId :
ETGI-354

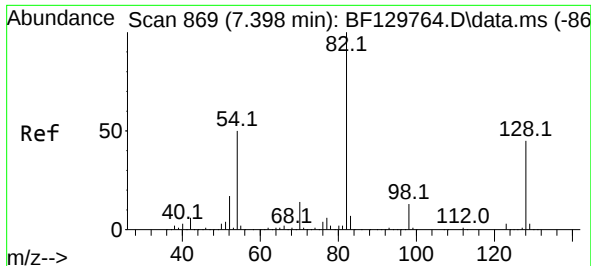
Tgt Ion: 70 Resp: 53463
Ion Ratio Lower Upper
70 100
42 44.9 47.6 71.4#
101 0.0 8.1 12.1#
130 1.5 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion: 136 Resp: 292261
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 7.6 6.2 9.2
68 5.3 4.2 6.4

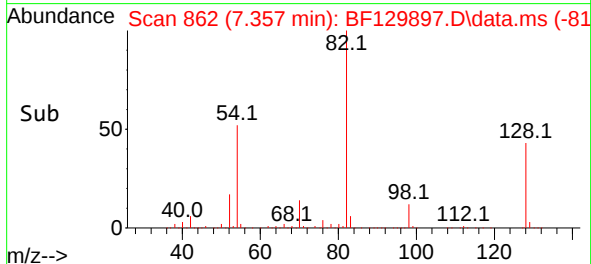
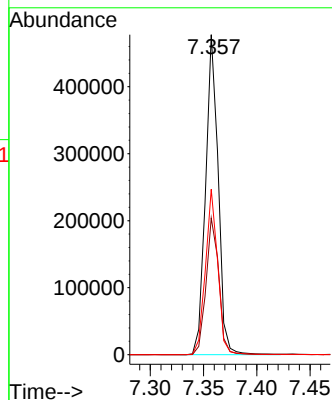
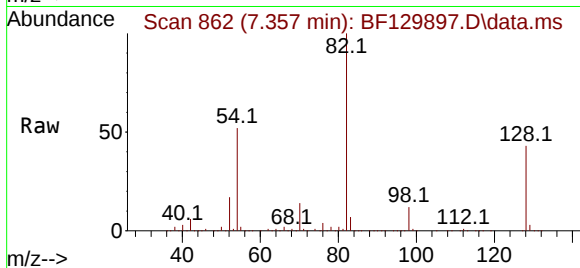




#23
Nitrobenzene-d5
Concen: 72.209 ng
RT: 7.357 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

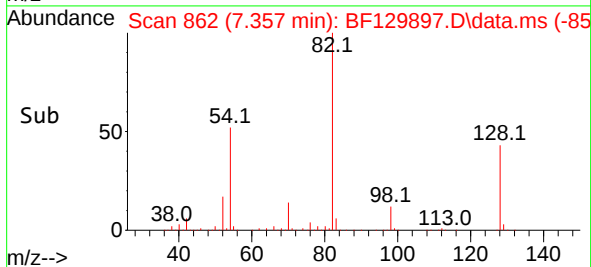
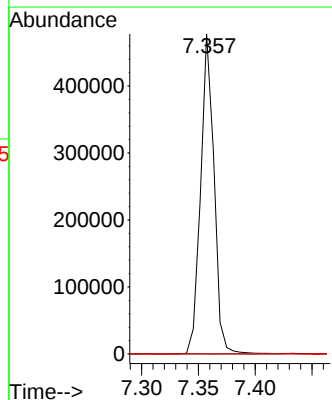
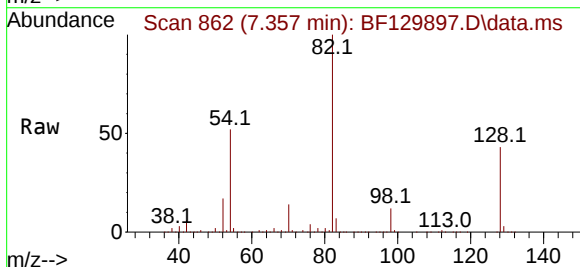
Instrument :
BNA_F
ClientSampleId :
ETGI-354

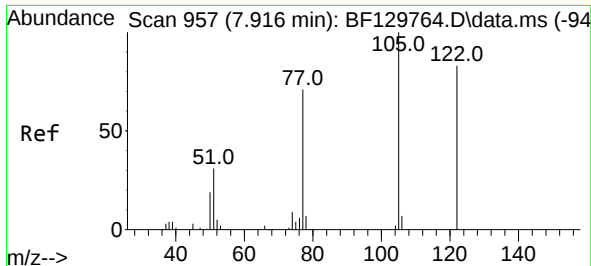
Tgt Ion: 82 Resp: 394229
Ion Ratio Lower Upper
82 100
128 42.7 36.1 54.1
54 51.7 40.0 60.0



#25
Isophorone
Concen: 41.961 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.264 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion: 82 Resp: 394294
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

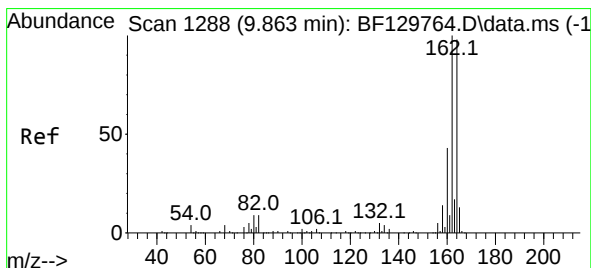
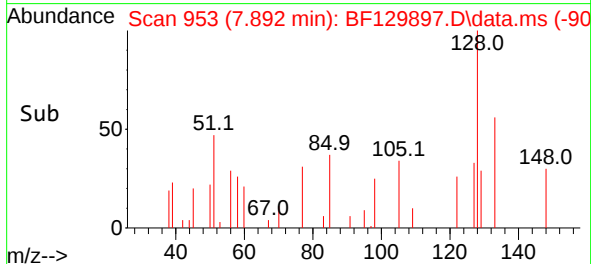
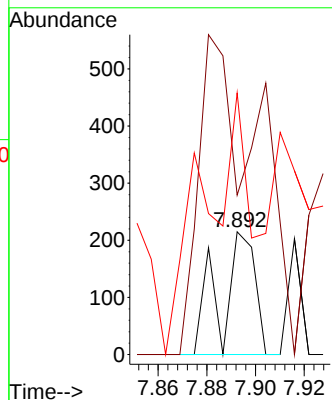
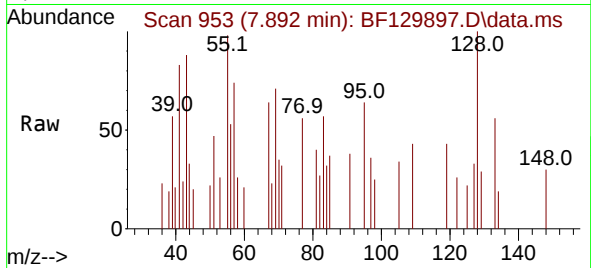




#32
Benzoic acid
Concen: 2.306 ng
RT: 7.892 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

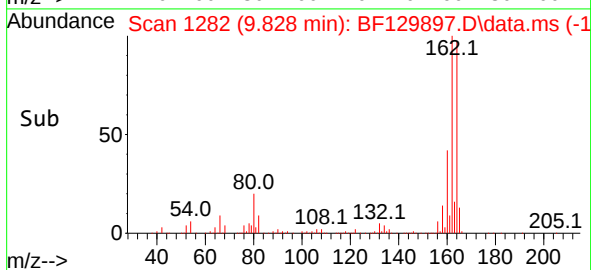
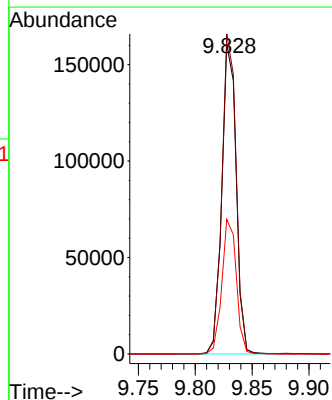
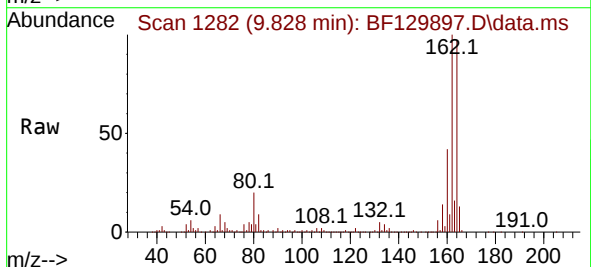
Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion:122 Resp: 208
Ion Ratio Lower Upper
122 100
105 129.8 99.9 139.9
77 213.0 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:164 Resp: 142070
Ion Ratio Lower Upper
164 100
162 103.2 82.0 123.0
160 43.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 111.578 ng

RT: 10.628 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

Instrument :

BNA_F

ClientSampleId :

ETGI-354

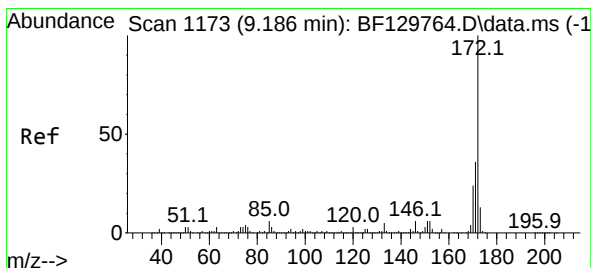
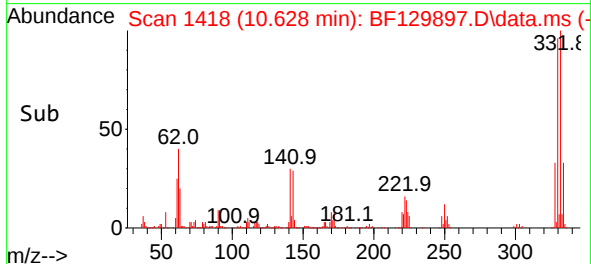
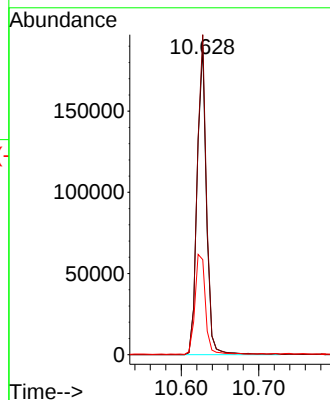
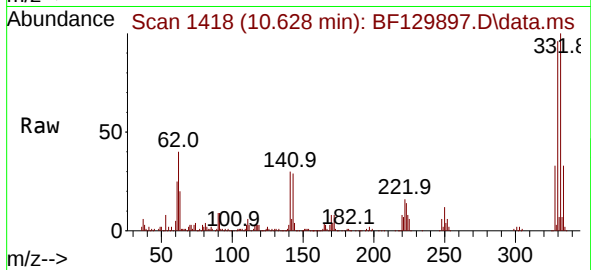
Tgt Ion:330 Resp: 159097

Ion Ratio Lower Upper

330 100

332 102.7 82.6 124.0

141 35.8 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 72.992 ng

RT: 9.145 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

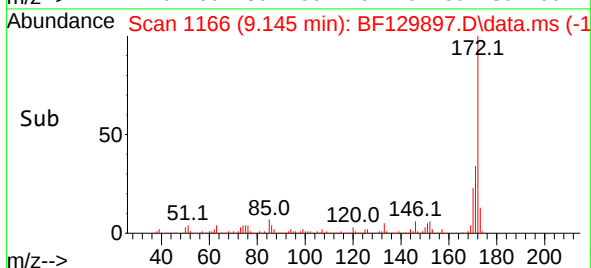
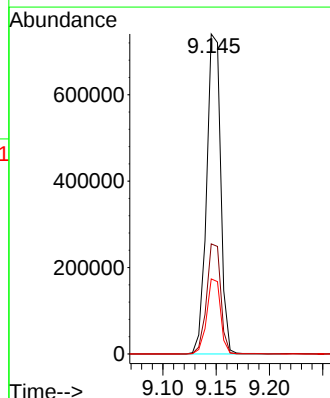
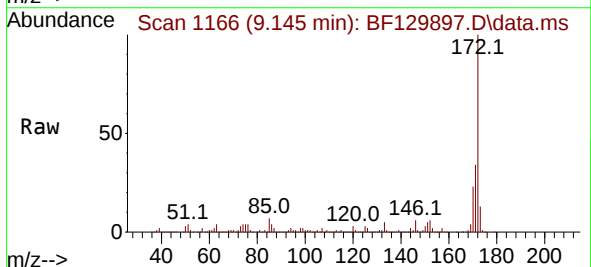
Tgt Ion:172 Resp: 682770

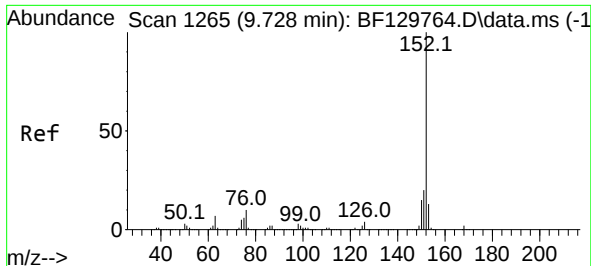
Ion Ratio Lower Upper

172 100

171 34.4 28.4 42.6

170 23.5 19.1 28.7





#49

Acenaphthylene

Concen: 3.017 ng

RT: 9.692 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

Instrument :

BNA_F

ClientSampleId :

ETGI-354

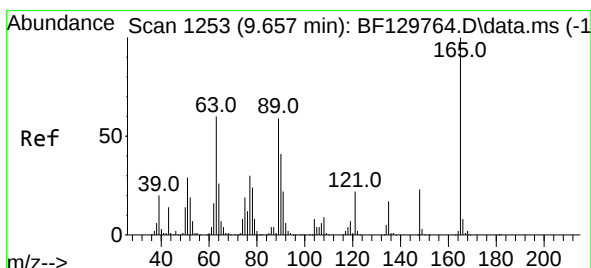
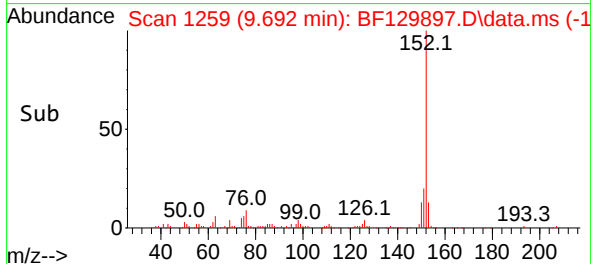
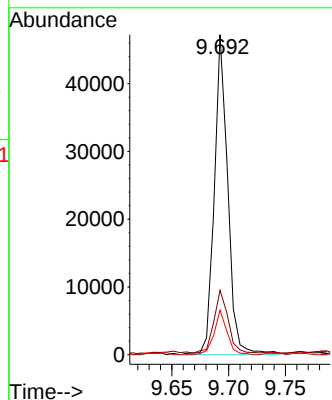
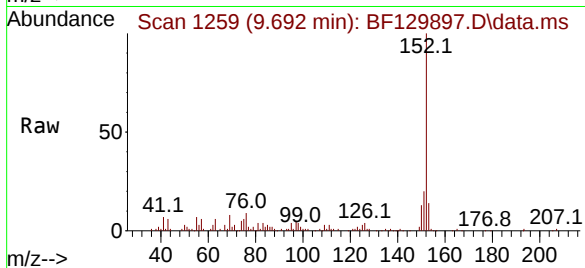
Tgt Ion:152 Resp: 39063

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.9 10.6 16.0



#51

2,6-Dinitrotoluene

Concen: 8.112 ng

RT: 9.828 min Scan# 1282

Delta R.T. 0.200 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

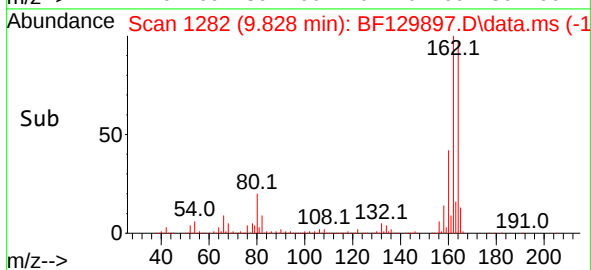
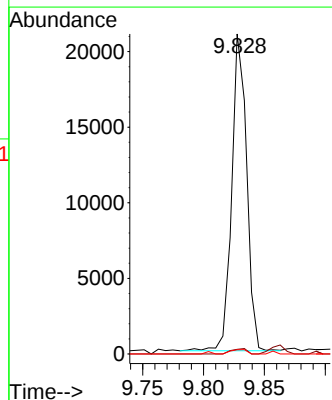
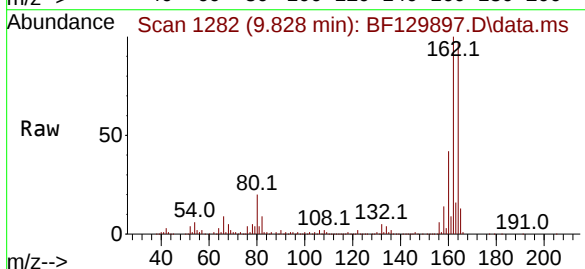
Tgt Ion:165 Resp: 17921

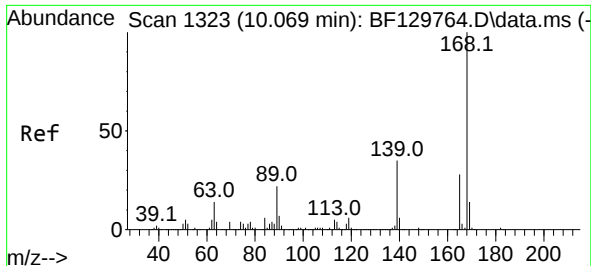
Ion Ratio Lower Upper

165 100

63 1.4 47.8 71.8#

89 1.3 47.2 70.8#

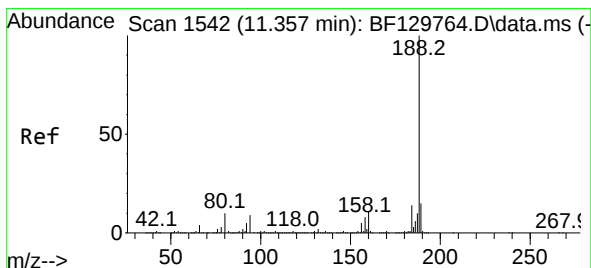
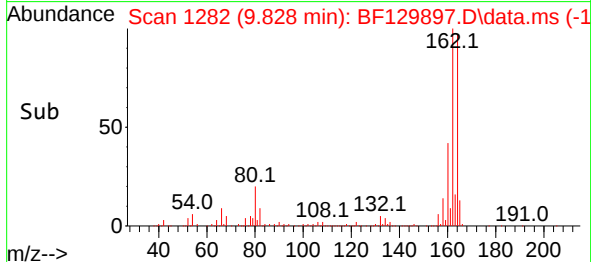
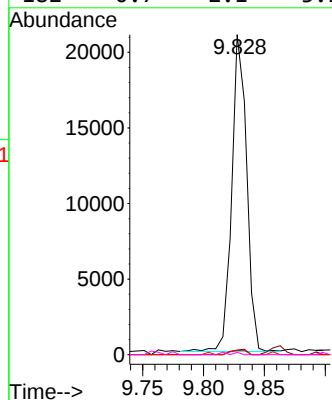
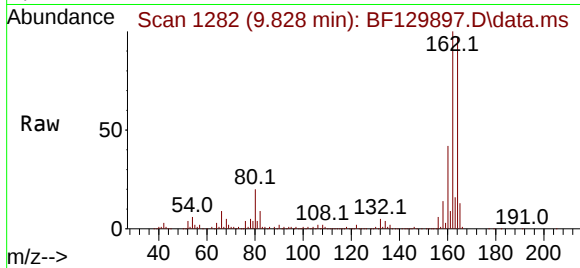




#57
2,4-Dinitrotoluene
Concen: 6.249 ng
RT: 9.828 min Scan# 1136
Delta R.T. -0.212 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

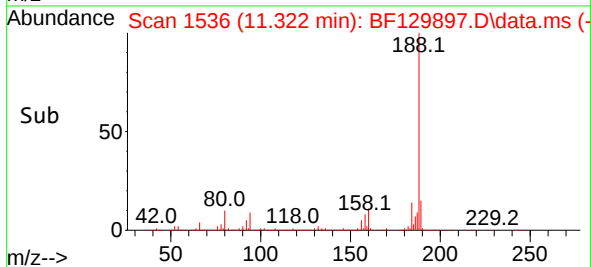
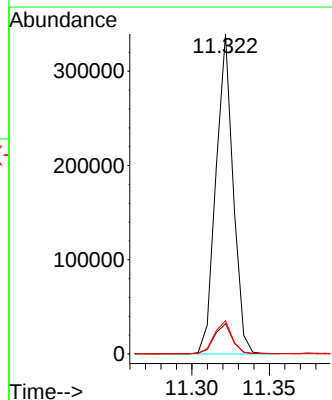
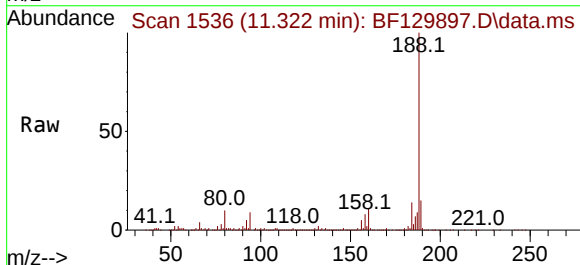
Instrument :
BNA_F
ClientSampleId :
ETGI-354

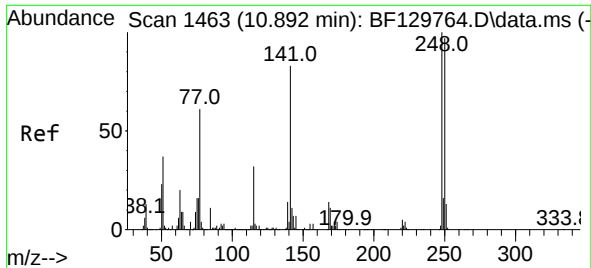
Tgt Ion:165 Resp: 17921
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.3 62.3 93.5#
182 0.7 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:188 Resp: 262211
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.3 7.9 11.9

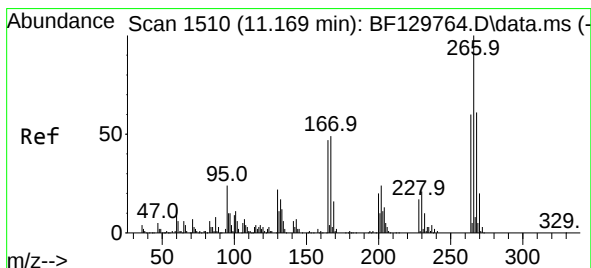
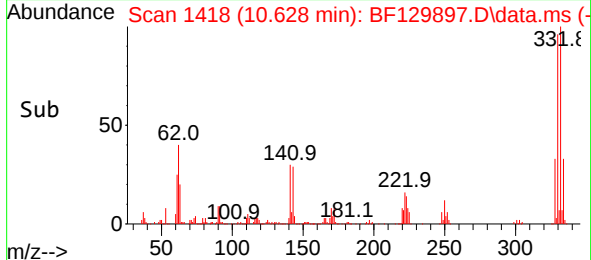
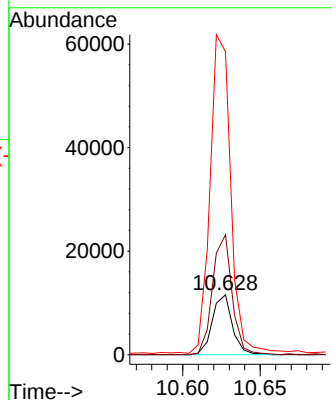
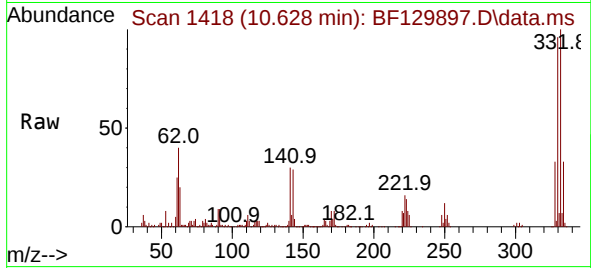




#67
4-Bromophenyl-phenylether
Concen: 3.388 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

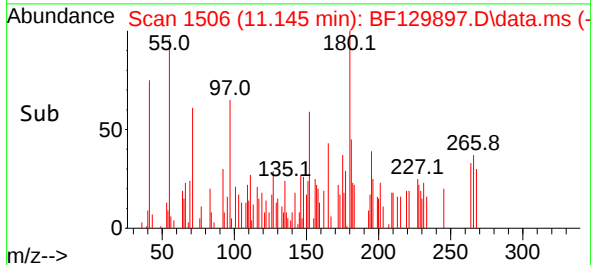
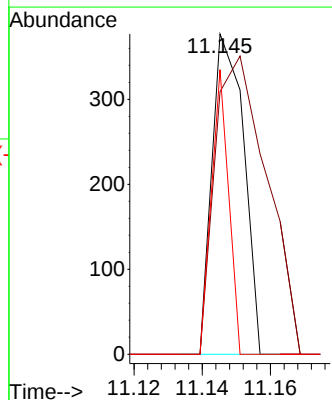
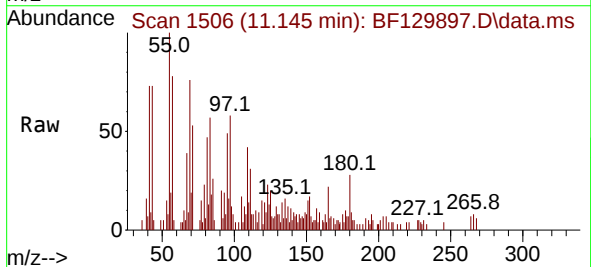
Instrument :
BNA_F
ClientSampleId :
ETGI-354

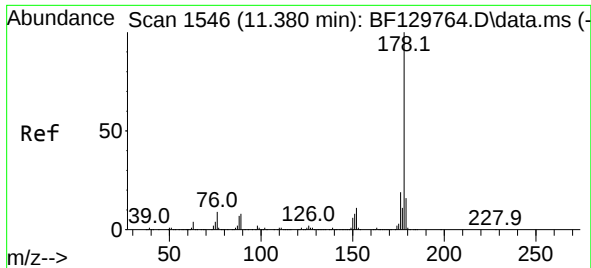
Tgt Ion:248 Resp: 10404
Ion Ratio Lower Upper
248 100
250 200.4 77.8 116.6#
141 505.9 66.2 99.2#



#70
Pentachlorophenol
Concen: 5.410 ng
RT: 11.145 min Scan# 1506
Delta R.T. 0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:266 Resp: 243
Ion Ratio Lower Upper
266 100
268 82.0 49.0 73.4#
264 88.9 47.9 71.9#

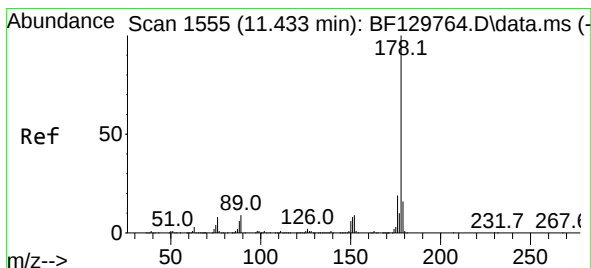
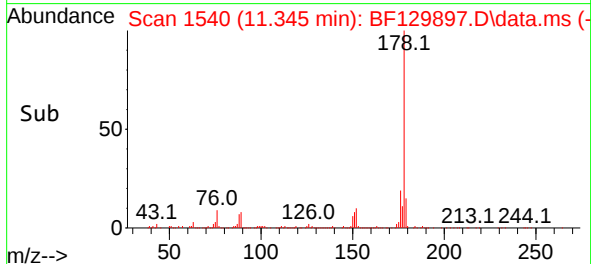
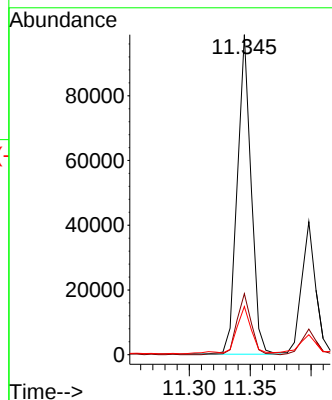
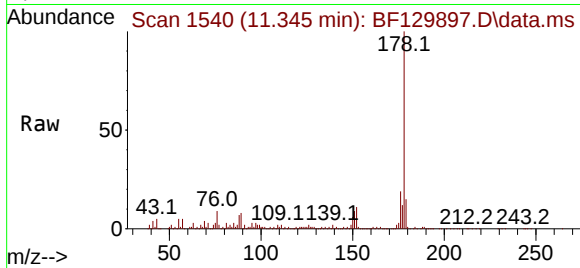




#71
Phenanthrene
Concen: 5.320 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

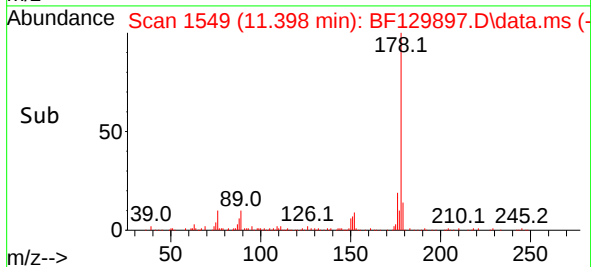
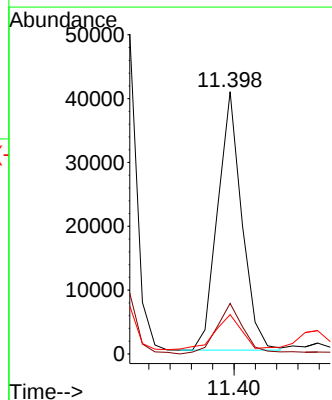
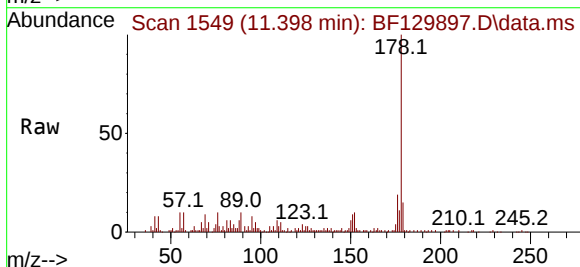
Instrument :
BNA_F
ClientSampleId :
ETGI-354

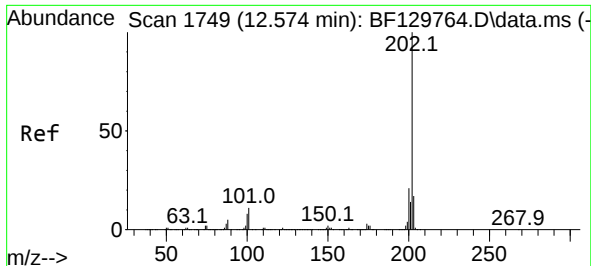
Tgt Ion:178 Resp: 77913
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.1 12.5 18.7



#72
Anthracene
Concen: 2.194 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:178 Resp: 31946
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.0 12.6 18.8

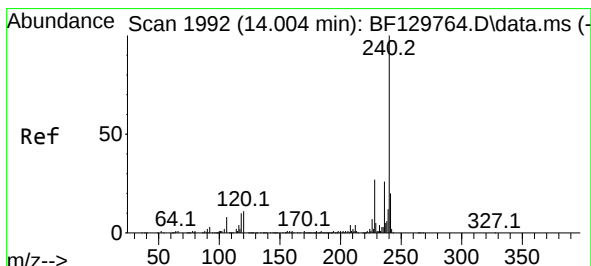
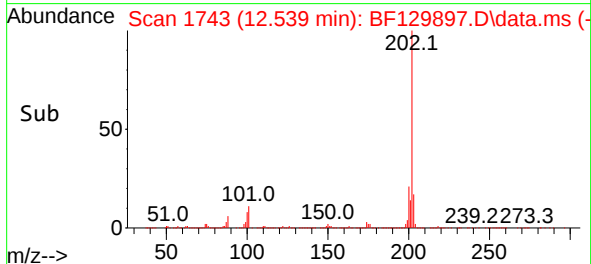
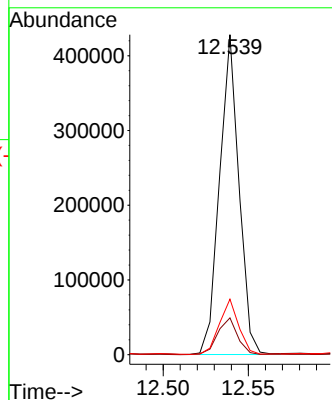
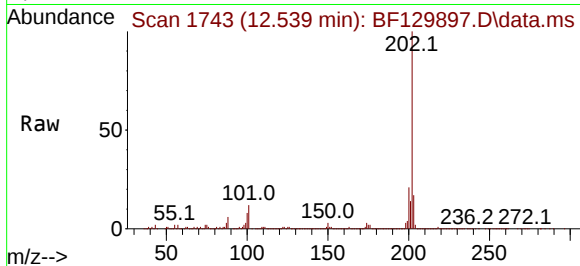




#75
Fluoranthene
Concen: 22.626 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

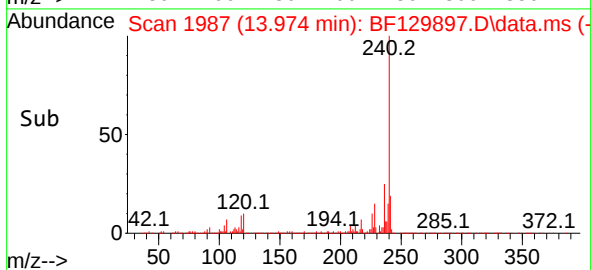
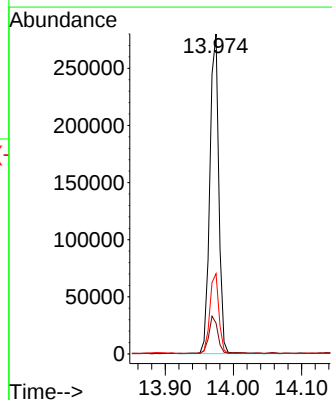
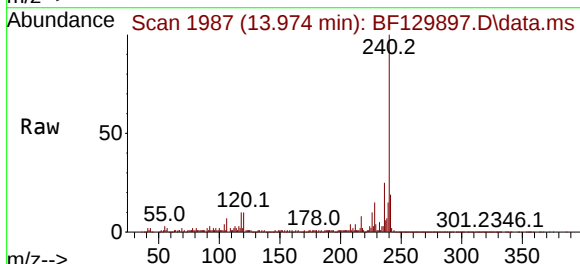
Instrument :
BNA_F
ClientSampleId :
ETGI-354

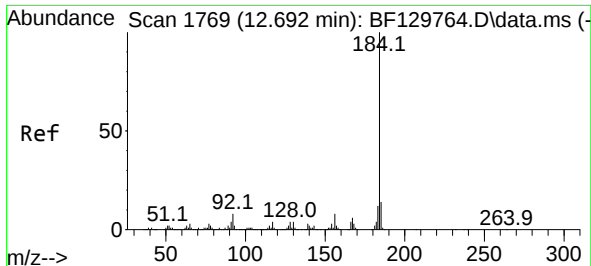
Tgt Ion:202 Resp: 339057
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:240 Resp: 256355
Ion Ratio Lower Upper
240 100
120 9.7 9.2 13.8
236 25.1 20.7 31.1

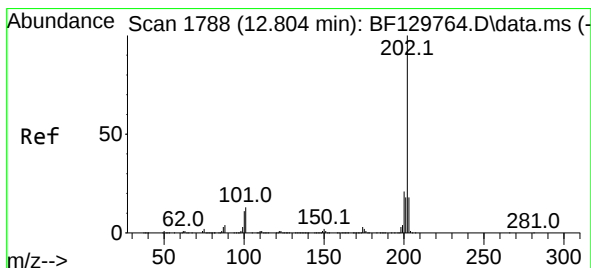
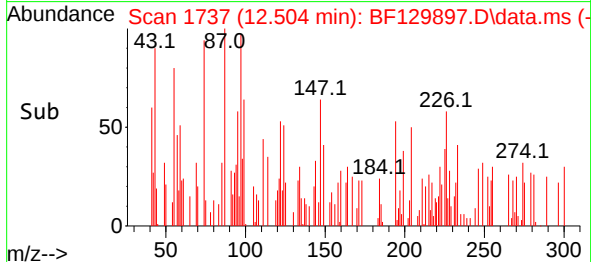
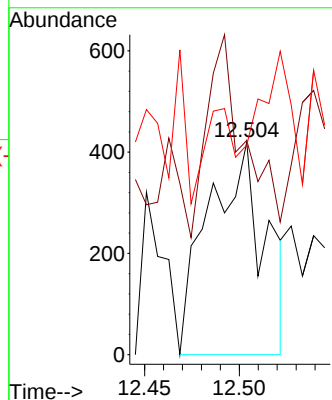
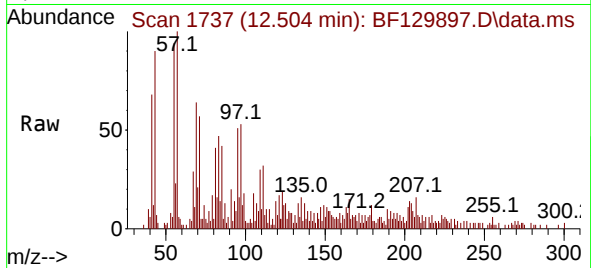




#77
Benzidine
Concen: Below Cal
RT: 12.504 min Scan# 1737
Delta R.T. -0.159 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

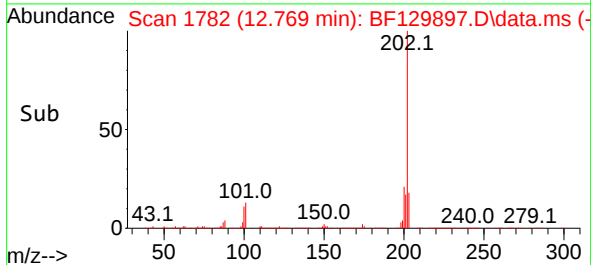
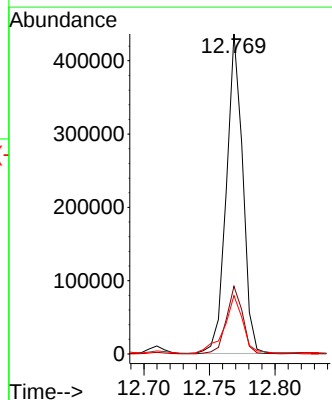
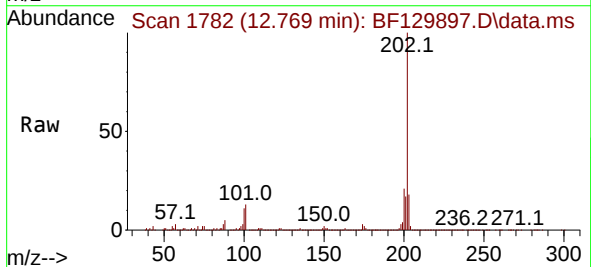
Instrument :
BNA_F
ClientSampleId :
ETGI-354

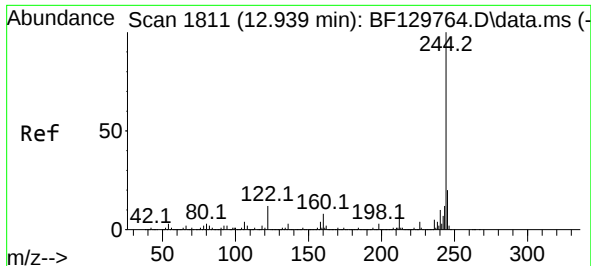
Tgt Ion:184 Resp: 868
Ion Ratio Lower Upper
184 100
185 100.7 11.4 17.2#
183 98.6 9.4 14.2#



#78
Pyrene
Concen: 16.918 ng
RT: 12.769 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:202 Resp: 376878
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.3 14.1 21.1

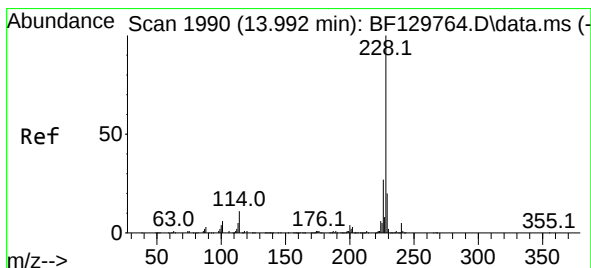
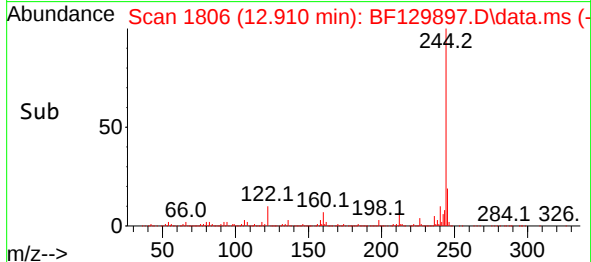
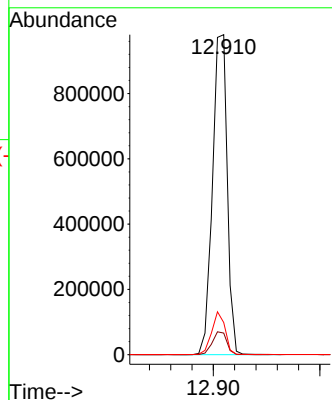
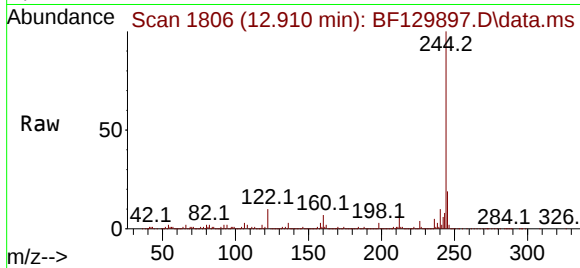




#79
 Terphenyl-d14
 Concen: 61.124 ng
 RT: 12.910 min Scan# 1806
 Delta R.T. 0.000 min
 Lab File: BF129897.D
 Acq: 19 Aug 2022 02:36

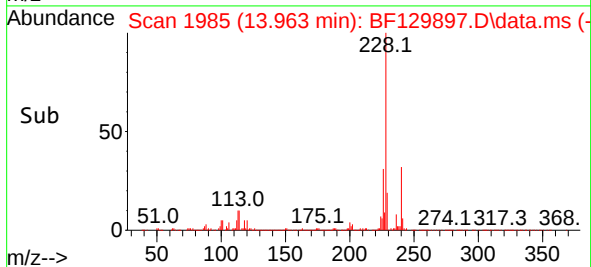
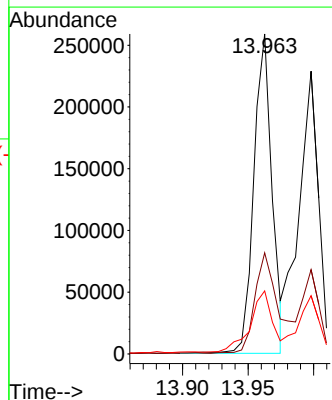
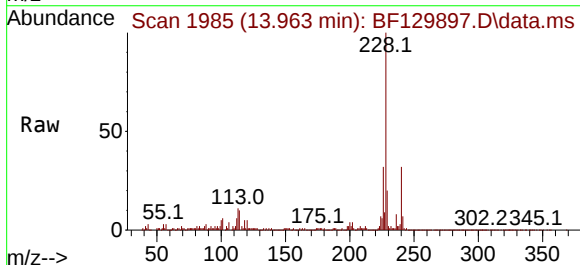
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354

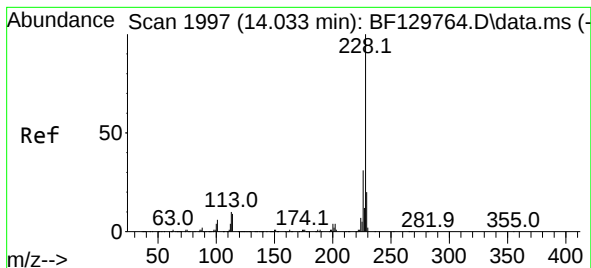
Tgt Ion:244 Resp: 941708
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.1 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 14.094 ng
 RT: 13.963 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: BF129897.D
 Acq: 19 Aug 2022 02:36

Tgt Ion:228 Resp: 248538
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.4 32.0
 229 19.7 16.1 24.1





#83

Chrysene

Concen: 14.477 ng

RT: 13.998 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

Instrument :

BNA_F

ClientSampleId :

ETGI-354

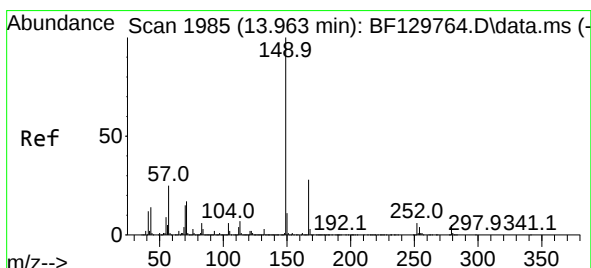
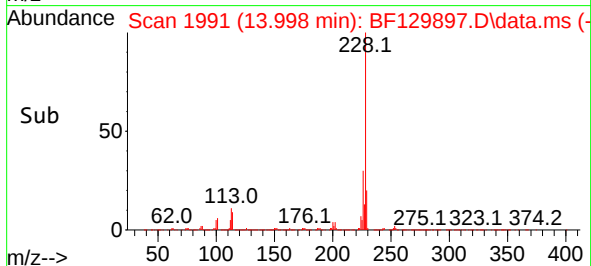
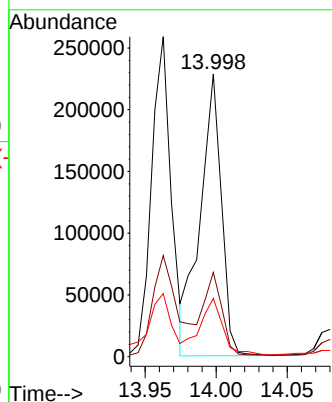
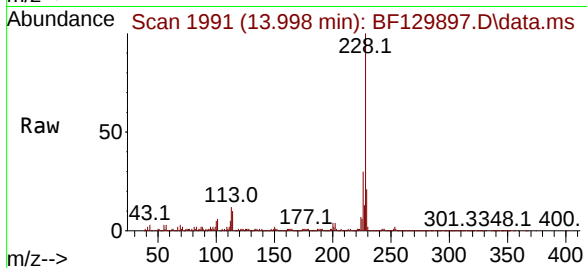
Tgt Ion:228 Resp: 238976

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 20.6 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.976 ng

RT: 13.933 min Scan# 1980

Delta R.T. 0.006 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

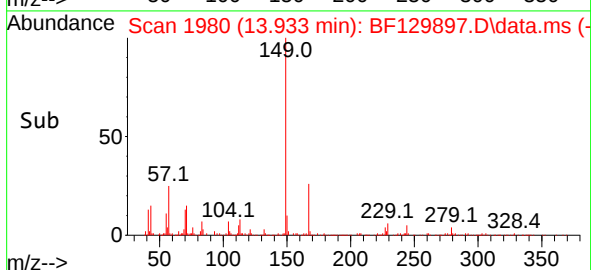
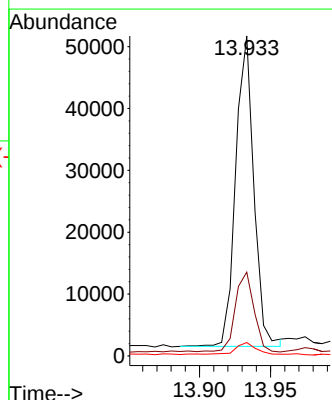
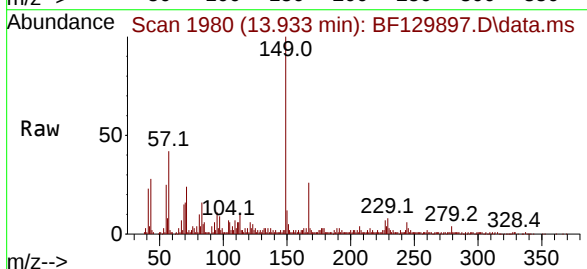
Tgt Ion:149 Resp: 44469

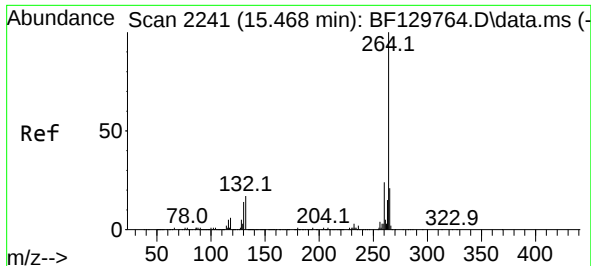
Ion Ratio Lower Upper

149 100

167 26.2 22.0 33.0

279 4.2 3.6 5.4

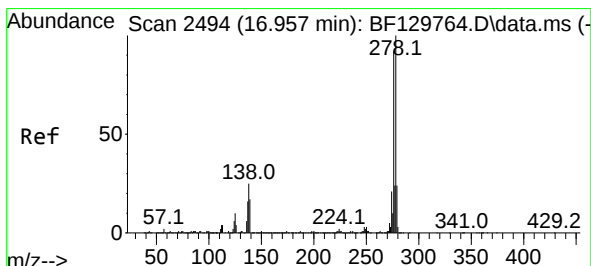
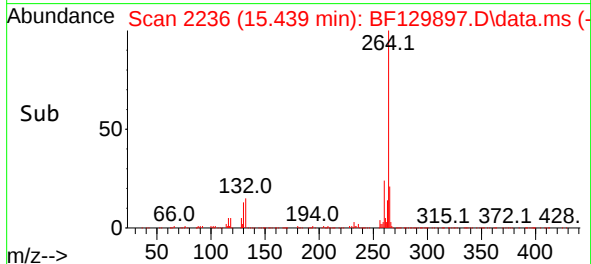
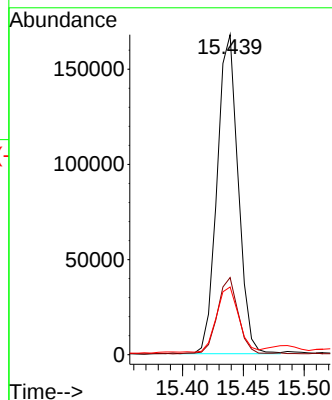
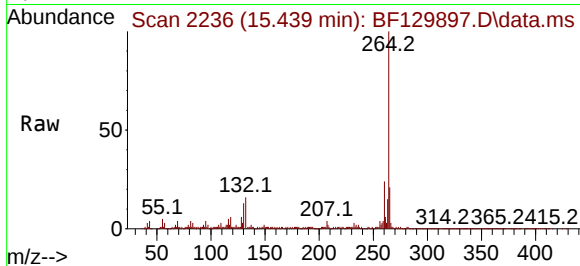




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

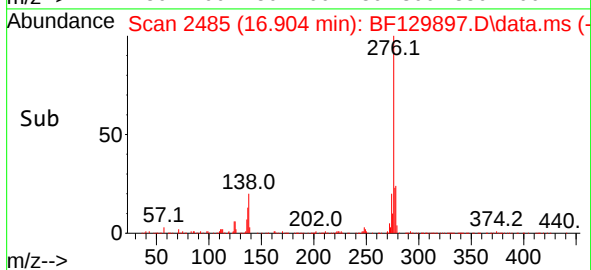
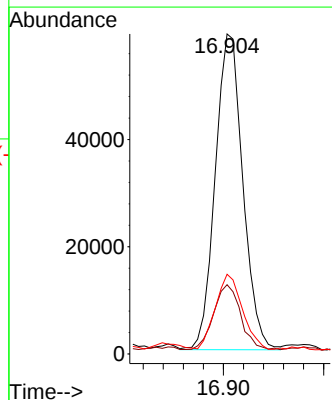
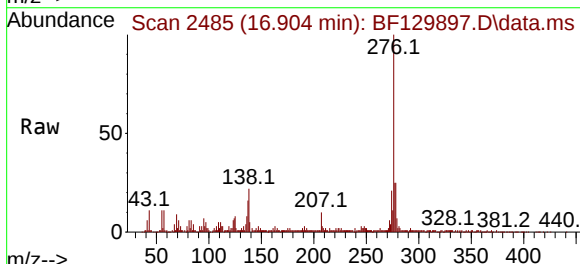
Instrument :
BNA_F
ClientSampleId :
ETGI-354

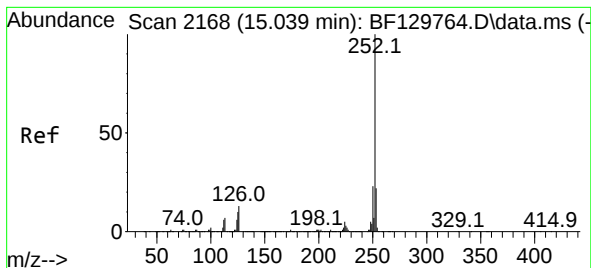
Tgt Ion:264 Resp: 202033
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 21.1 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.121 ng
RT: 16.904 min Scan# 2485
Delta R.T. 0.000 min
Lab File: BF129897.D
Acq: 19 Aug 2022 02:36

Tgt Ion:276 Resp: 112638
Ion Ratio Lower Upper
276 100
138 20.3 19.8 29.8
277 23.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 28.670 ng

RT: 15.010 min Scan# 2163

Delta R.T. 0.006 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

Instrument :

BNA_F

ClientSampleId :

ETGI-354

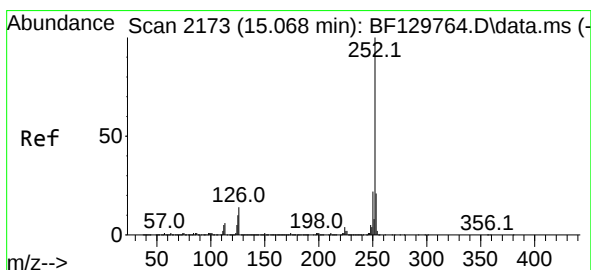
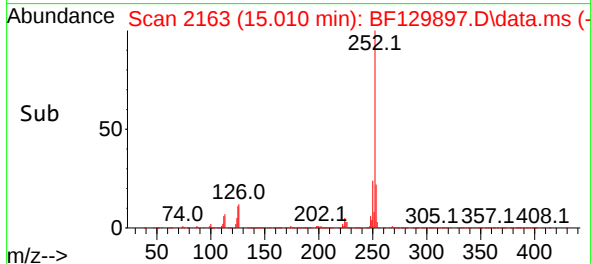
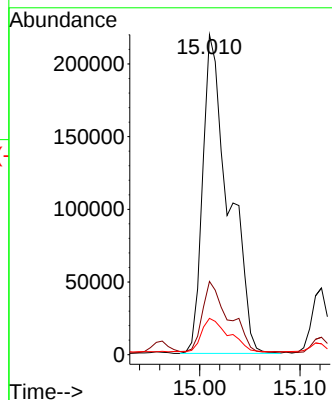
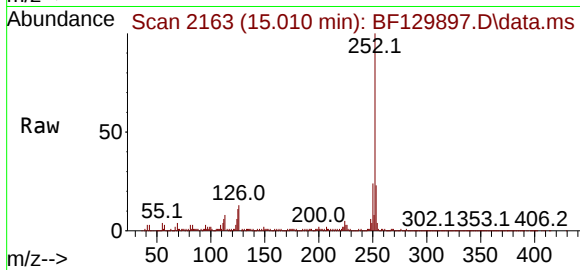
Tgt Ion:252 Resp: 396629

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.3 8.3 12.5



#89

Benzo(k)fluoranthene

Concen: 29.895 ng

RT: 15.010 min Scan# 2163

Delta R.T. -0.023 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

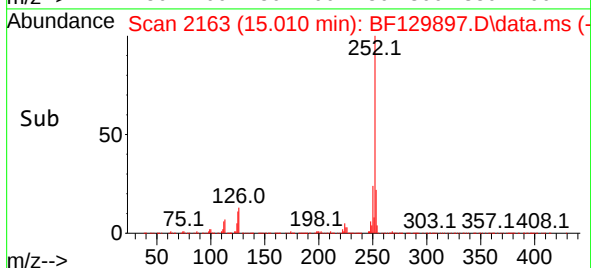
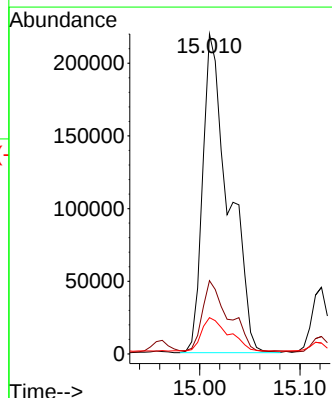
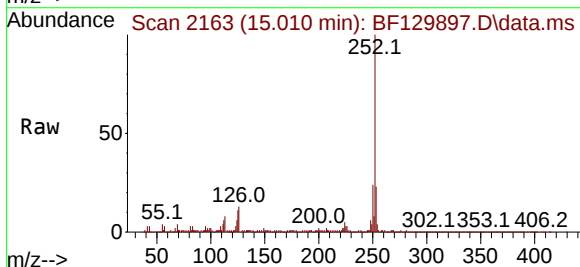
Tgt Ion:252 Resp: 396629

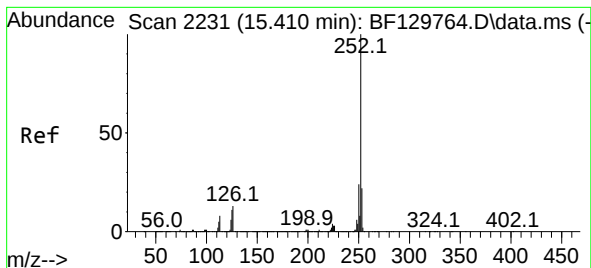
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 11.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 17.530 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

Instrument :

BNA_F

ClientSampleId :

ETGI-354

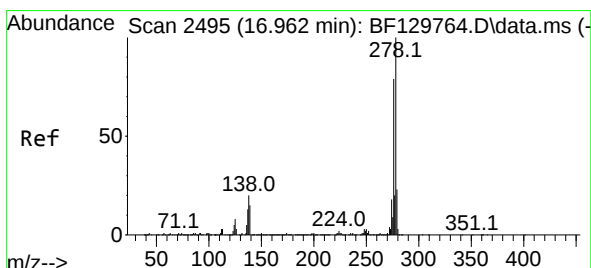
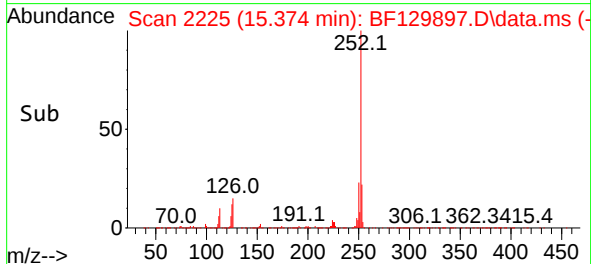
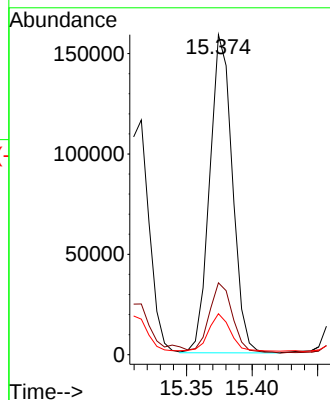
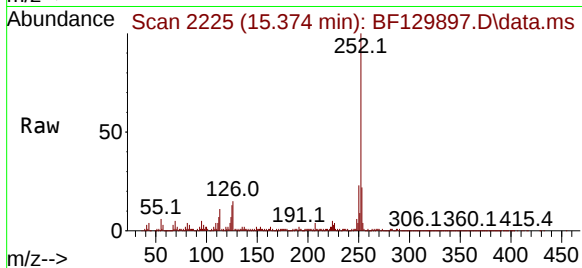
Tgt Ion:252 Resp: 190984

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 12.8 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.688 ng

RT: 16.904 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BF129897.D

Acq: 19 Aug 2022 02:36

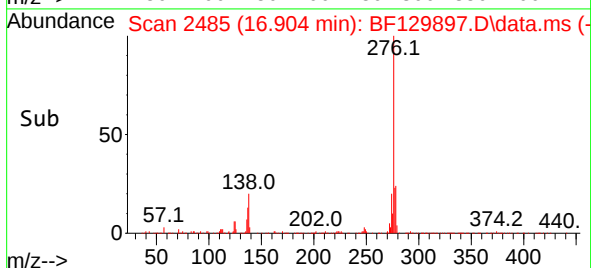
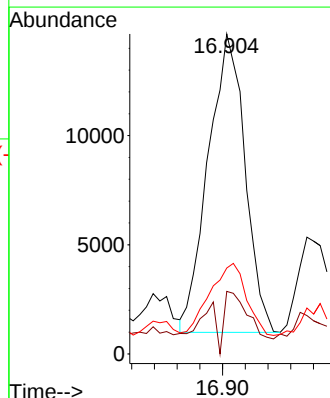
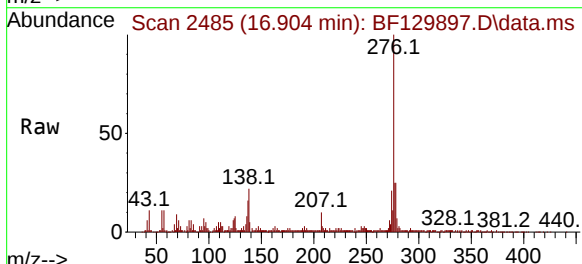
Tgt Ion:278 Resp: 30763

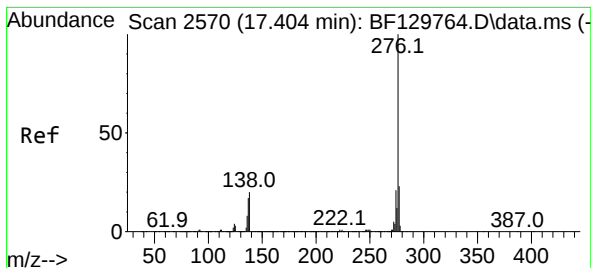
Ion Ratio Lower Upper

278 100

139 19.5 12.2 18.4#

279 26.8 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 9.104 ng

RT: 17.351 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF129897.D

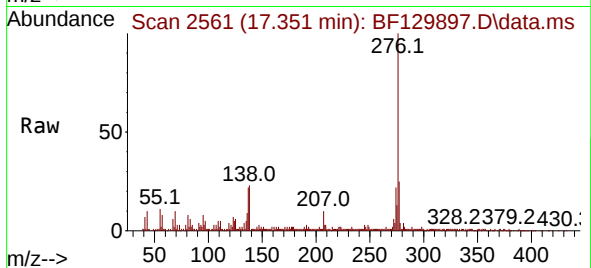
Acq: 19 Aug 2022 02:36

Instrument :

BNA_F

ClientSampleId :

ETGI-354



Tgt Ion:276 Resp: 103939

Ion Ratio Lower Upper

276 100

277 25.0 18.2 27.4

138 23.3 15.8 23.8

