

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136262.D
 Acq On : 28 Nov 2023 22:08
 Operator : CG\JU
 Sample : 05516-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-343

Quant Time: Nov 29 00:50:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

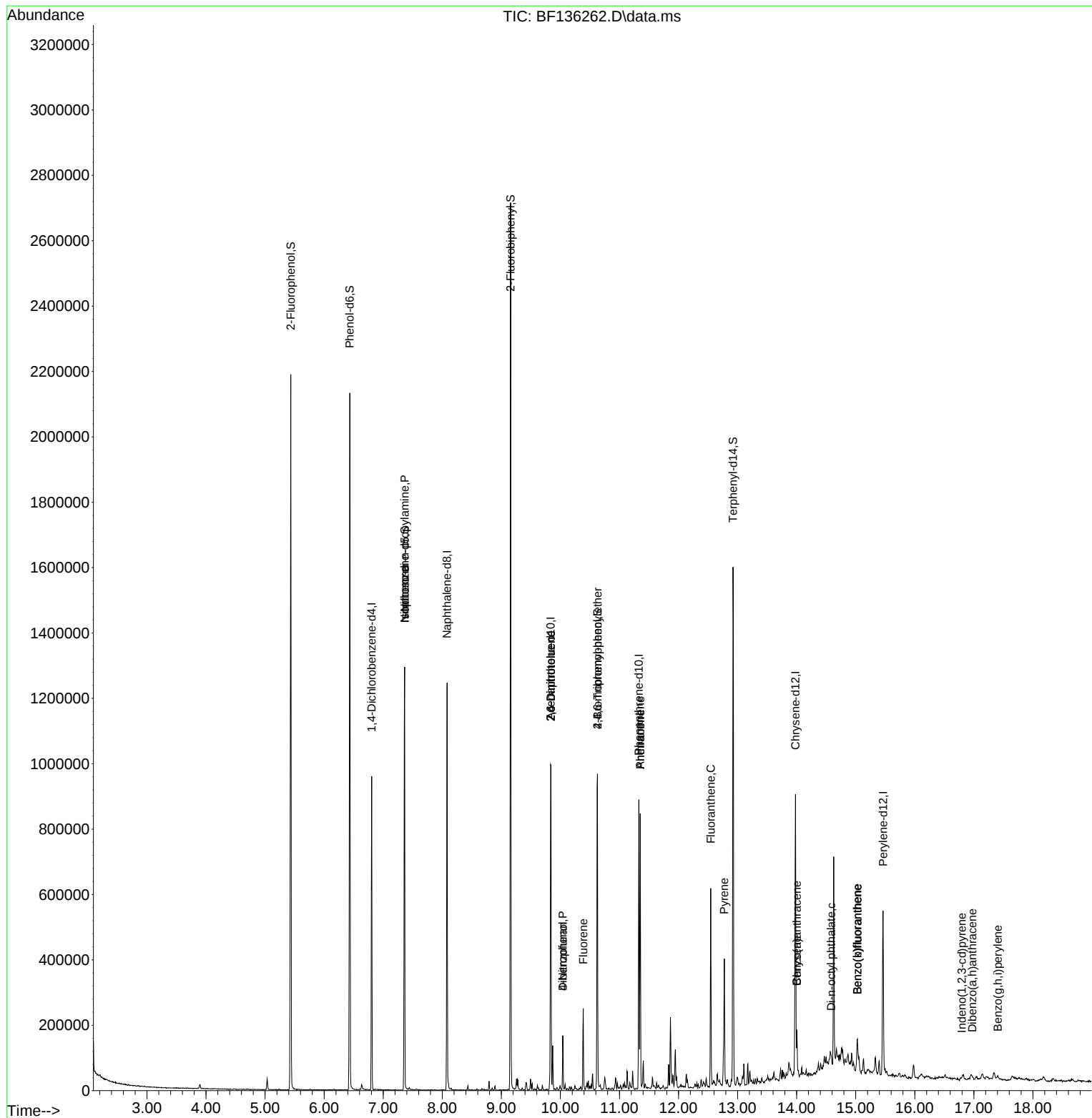
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	123195	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	483553	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	202009	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	284429	20.000	ng	0.00
76) Chrysene-d12	13.980	240	250610	20.000	ng	-0.01
86) Perylene-d12	15.463	264	230197	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	528483	59.708	ng	0.00
7) Phenol-d6	6.434	99	642719	58.074	ng	-0.01
23) Nitrobenzene-d5	7.363	82	388483	42.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	117102	47.415	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	718559	45.435	ng	-0.01
79) Terphenyl-d14	12.922	244	561528	25.846	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	51922	7.844	ng	# 72
25) Isophorone	7.363	82	388479	23.544	ng	# 68
51) 2,6-Dinitrotoluene	9.839	165	26225	8.408	ng	# 25
55) Dibenzofuran	10.039	168	54254	2.922	ng	# 97
56) 4-Nitrophenol	10.039	139	20446	8.698	ng	# 4
57) 2,4-Dinitrotoluene	9.839	165	26225	6.294	ng	# 28
58) Fluorene	10.386	166	60016	4.121	ng	92
67) 4-Bromophenyl-phenylether	10.628	248	7094	2.138	ng	# 1
71) Phenanthrene	11.351	178	278801	17.440	ng	97
72) Anthracene	11.351	178	278801	17.391	ng	98
75) Fluoranthene	12.545	202	217079	13.376	ng	95
78) Pyrene	12.774	202	151526	5.521	ng	95
81) Benzo(a)anthracene	14.004	228	54369	2.921	ng	97
83) Chrysene	14.004	228	54369	3.025	ng	# 93
85) Di-n-octyl phthalate	14.586	149	25722	6.541	ng	# 48
87) Indeno(1,2,3-cd)pyrene	16.798	276	2728	2.829	ng	93
88) Benzo(b)fluoranthene	15.027	252	69138	4.281	ng	96
89) Benzo(k)fluoranthene	15.027	252	69138	4.507	ng	95
91) Dibenzo(a,h)anthracene	16.974	278	3198	2.932	ng	# 80
92) Benzo(g,h,i)perylene	17.404	276	9807	2.580	ng	# 84

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

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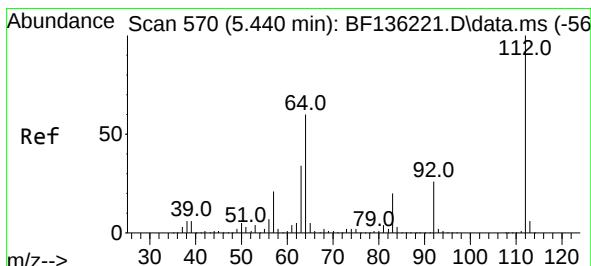
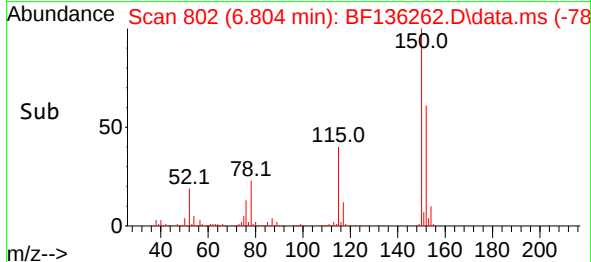
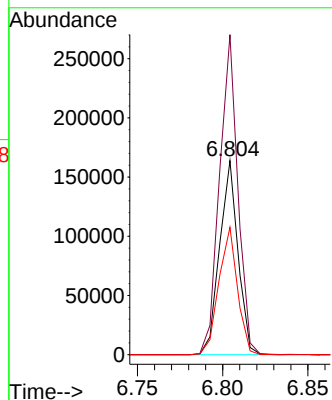
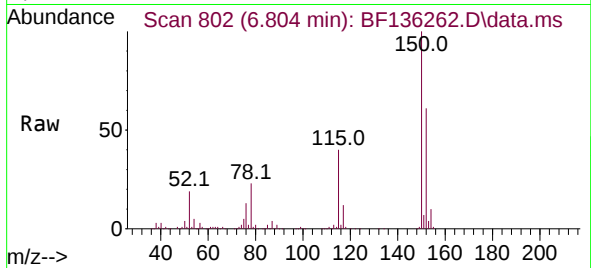




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

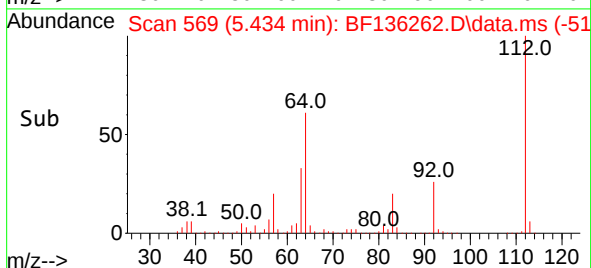
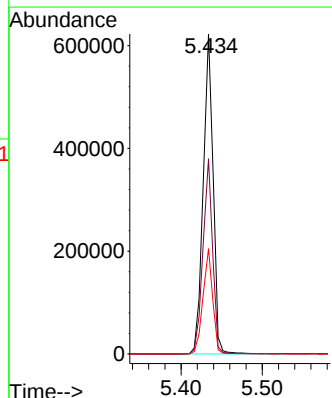
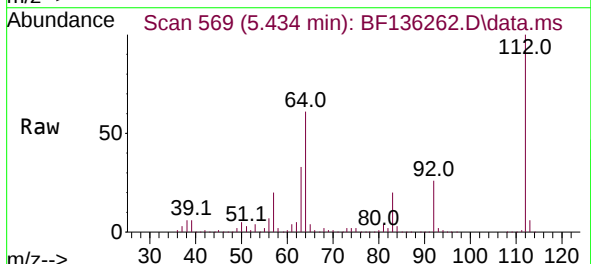
Instrument :
BNA_F
ClientSampleId :
ETGI-343

Tgt Ion:152 Resp: 123195
Ion Ratio Lower Upper
152 100
150 164.9 137.8 206.8
115 65.7 52.7 79.1



#5
2-Fluorophenol
Concen: 59.708 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:112 Resp: 528483
Ion Ratio Lower Upper
112 100
64 61.0 48.2 72.4
63 32.9 27.0 40.6





#7
Phenol-d6
Concen: 58.074 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

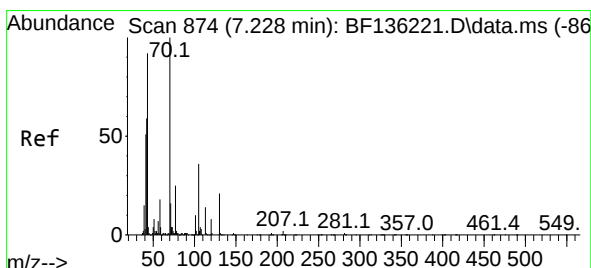
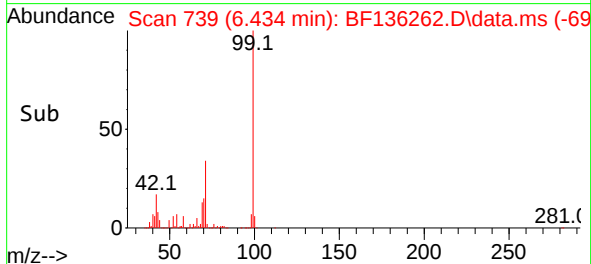
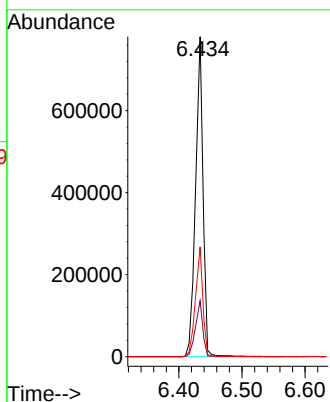
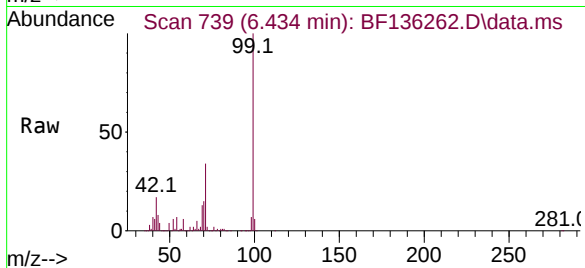
Instrument :

BNA_F

ClientSampleId :

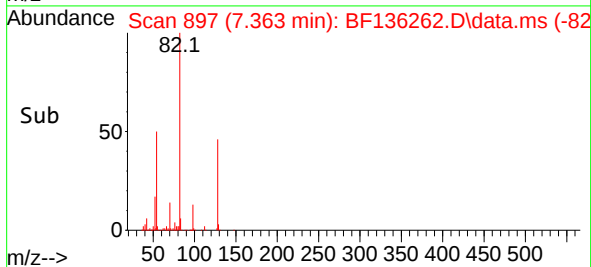
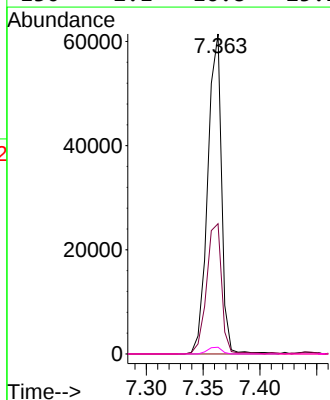
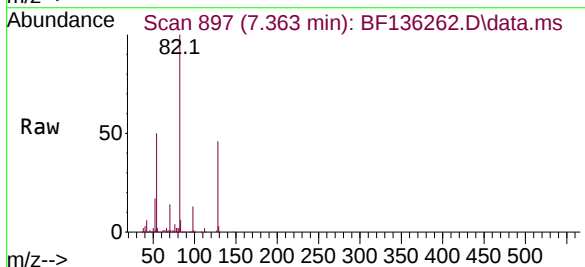
ETGI-343

Tgt Ion: 99 Resp: 642719
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 34.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.844 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion: 70 Resp: 51922
Ion Ratio Lower Upper
70 100
42 40.7 47.0 70.4#
101 0.0 7.8 11.8#
130 2.1 16.8 25.2#

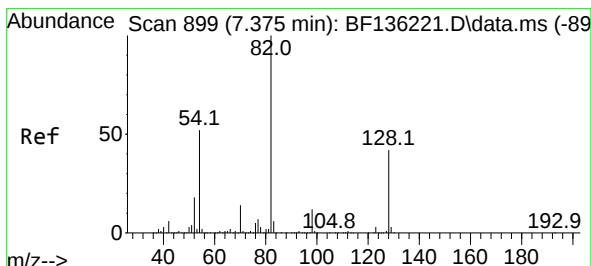
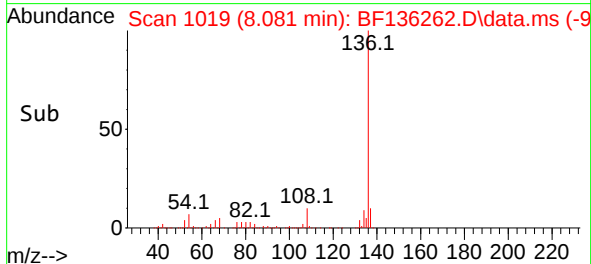
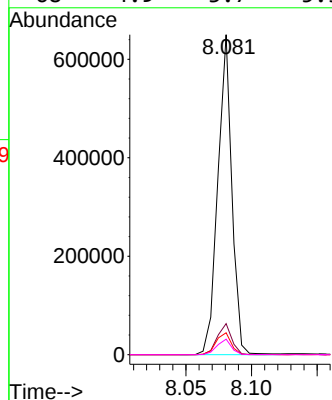
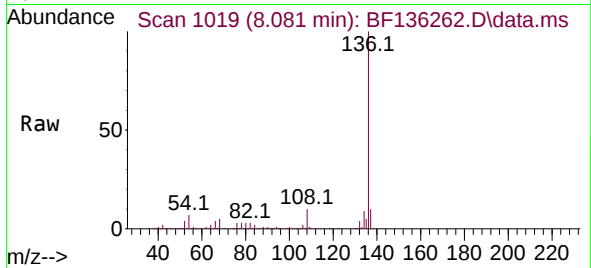




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

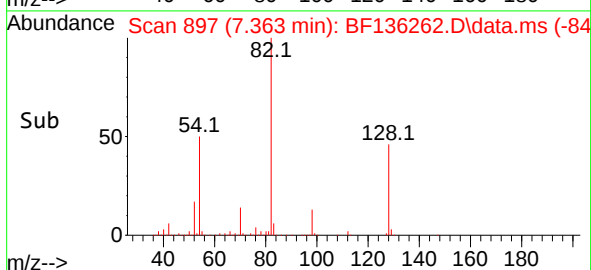
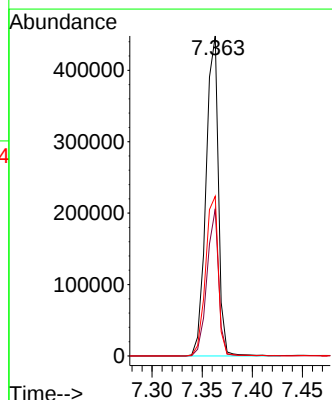
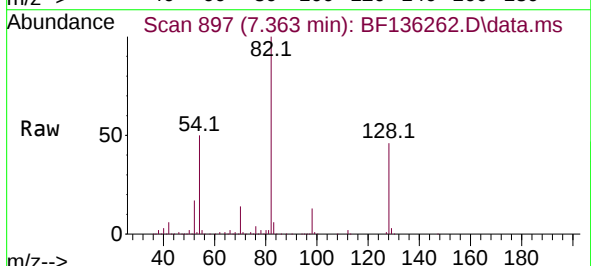
Instrument :
BNA_F
ClientSampleId :
ETGI-343

Tgt Ion:136 Resp: 483553
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.2
54 6.9 5.5 8.3
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 42.454 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion: 82 Resp: 388483
Ion Ratio Lower Upper
82 100
128 45.9 33.4 50.2
54 49.9 41.7 62.5

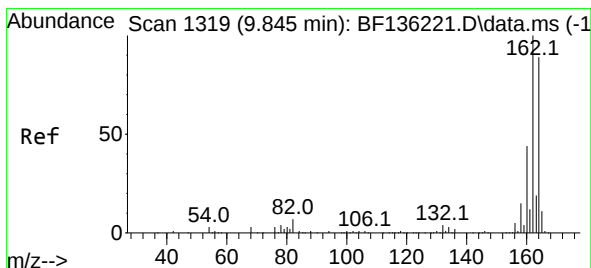
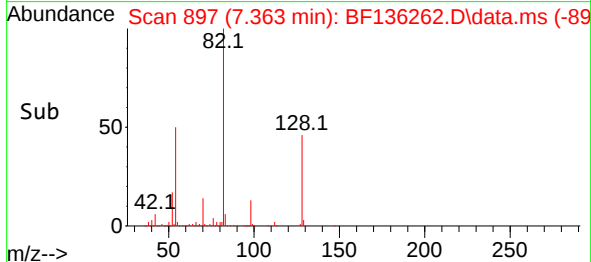
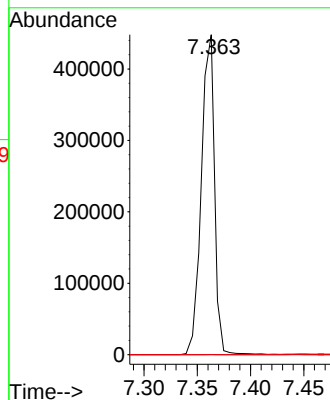
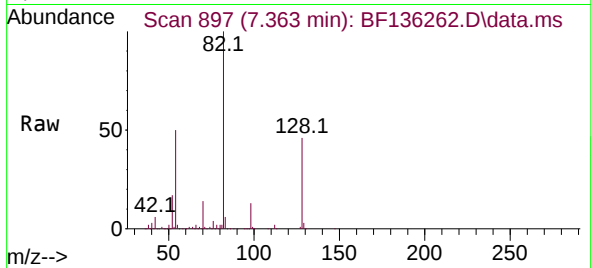




#25
Isophorone
Concen: 23.544 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

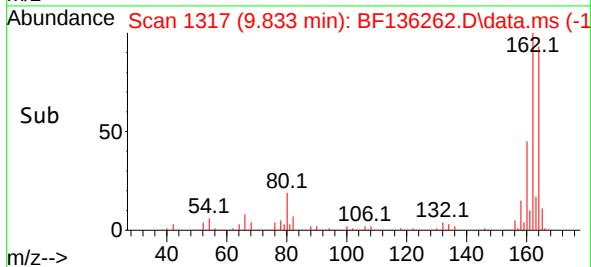
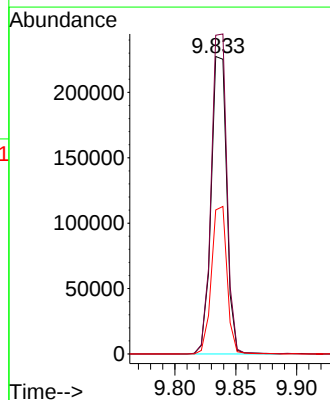
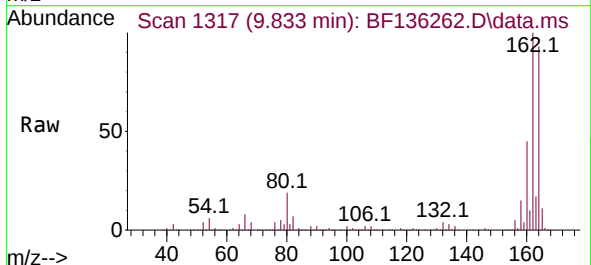
Instrument :
BNA_F
ClientSampleId :
ETGI-343

Tgt Ion: 82 Resp: 388479
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:164 Resp: 202009
Ion Ratio Lower Upper
164 100
162 107.1 89.5 134.3
160 48.4 39.6 59.4

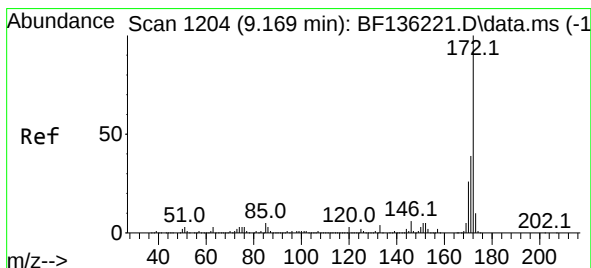
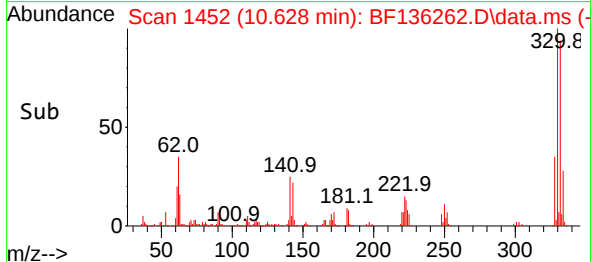
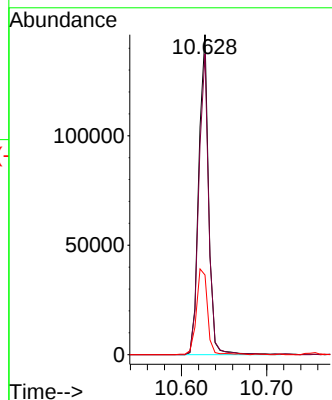
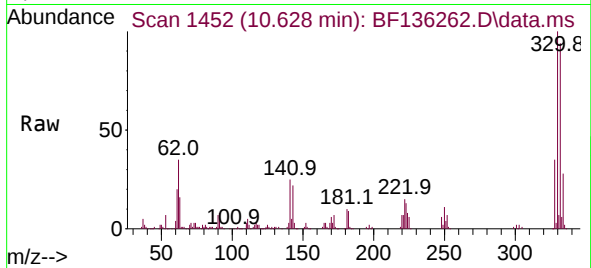




#42
 2,4,6-Tribromophenol
 Concen: 47.415 ng
 RT: 10.628 min Scan# 1454
 Delta R.T. -0.012 min
 Lab File: BF136262.D
 Acq: 28 Nov 2023 22:08

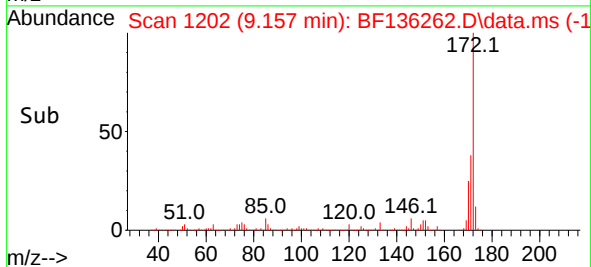
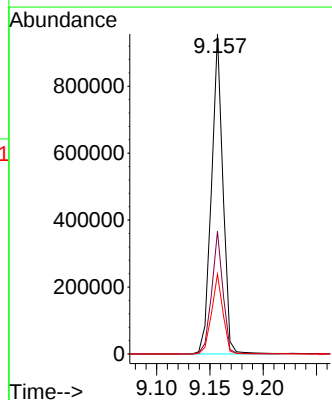
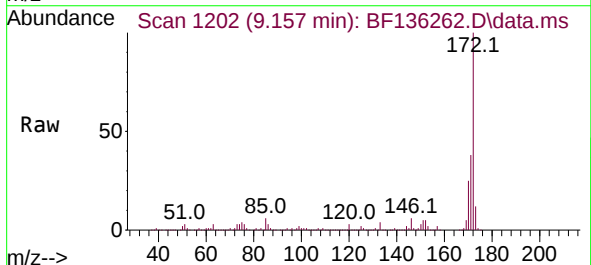
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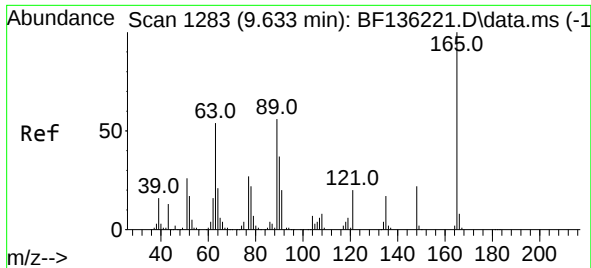
Tgt Ion:330 Resp: 117102
 Ion Ratio Lower Upper
 330 100
 332 94.5 73.0 109.6
 141 30.3 24.2 36.2



#45
 2-Fluorobiphenyl
 Concen: 45.435 ng
 RT: 9.157 min Scan# 1202
 Delta R.T. -0.012 min
 Lab File: BF136262.D
 Acq: 28 Nov 2023 22:08

Tgt Ion:172 Resp: 718559
 Ion Ratio Lower Upper
 172 100
 171 38.3 31.5 47.3
 170 25.0 20.8 31.2

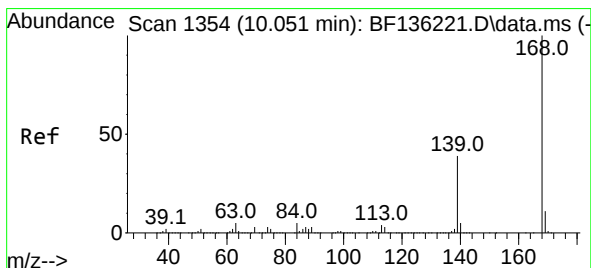
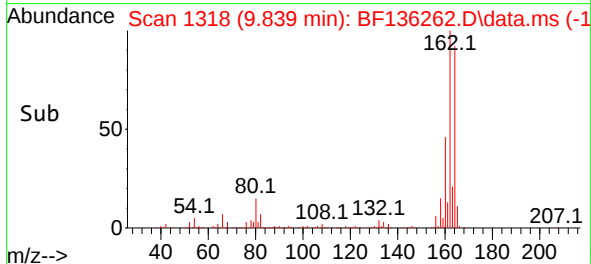
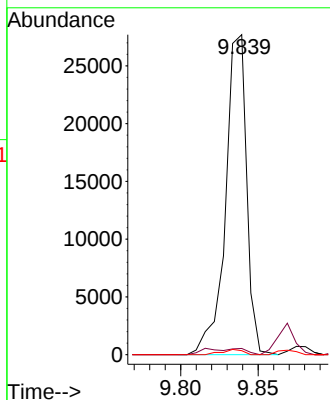
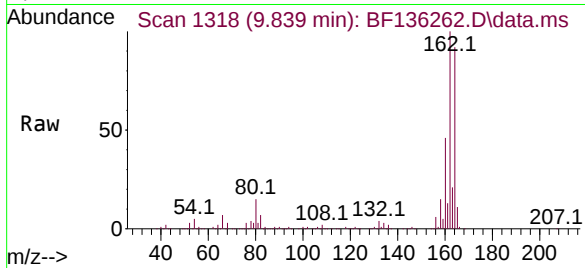




#51
2,6-Dinitrotoluene
Concen: 8.408 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

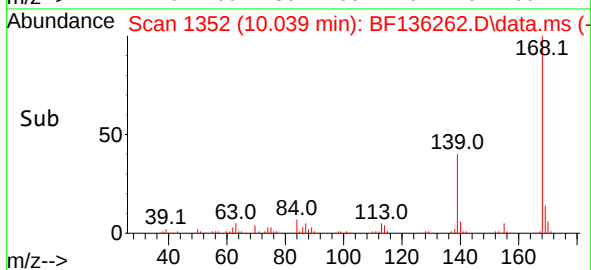
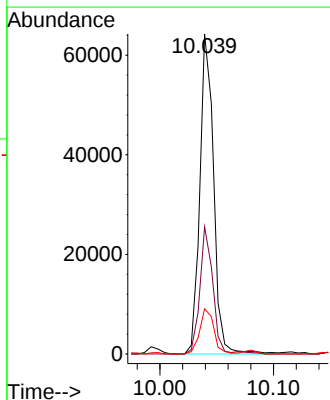
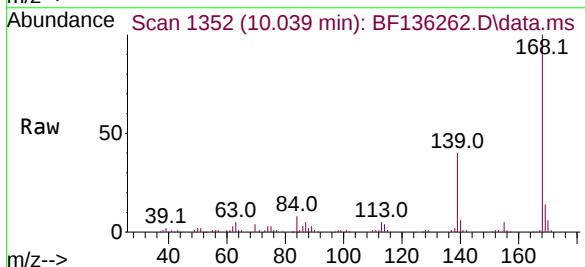
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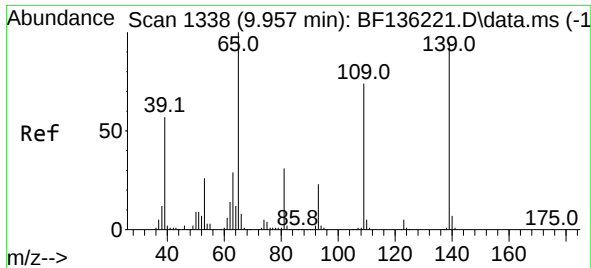
Tgt Ion:165 Resp: 26225
Ion Ratio Lower Upper
165 100
63 2.0 46.2 69.2#
89 1.2 44.9 67.3#



#55
Dibenzofuran
Concen: 2.922 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:168 Resp: 54254
Ion Ratio Lower Upper
168 100
139 39.7 30.9 46.3
169 14.1 9.1 13.7#

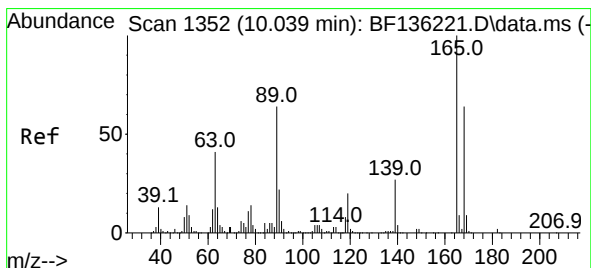
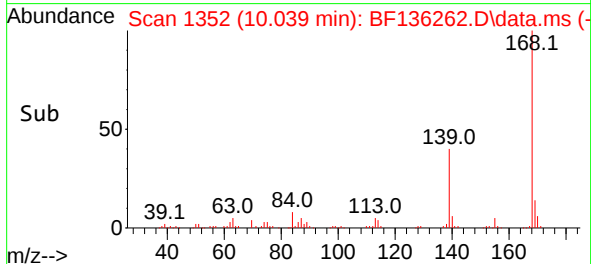
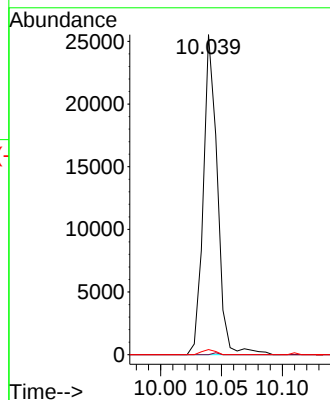
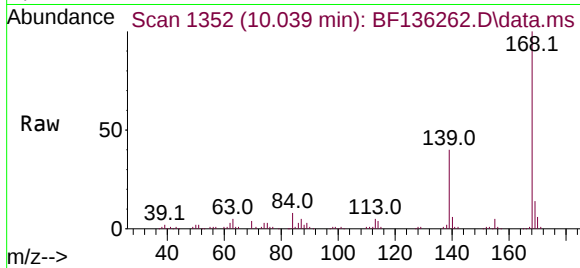




#56
4-Nitrophenol
Concen: 8.698 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

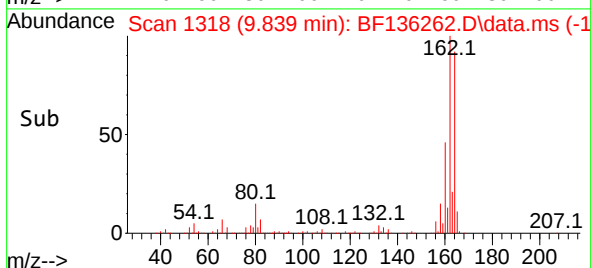
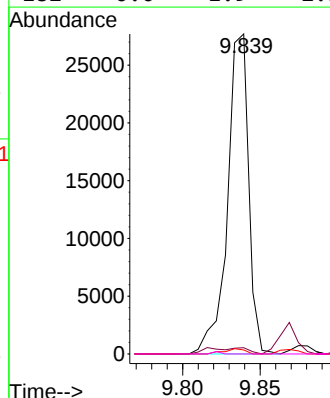
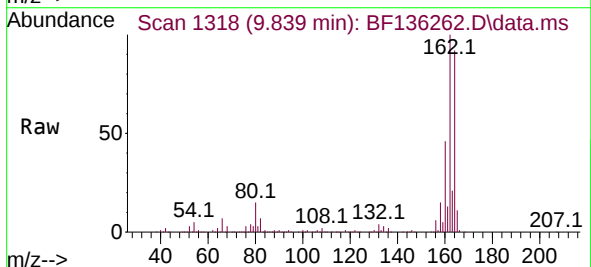
Instrument :
BNA_F
ClientSampleId :
ETGI-343

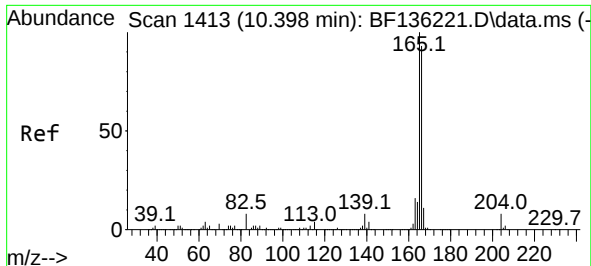
Tgt Ion:139 Resp: 20446
Ion Ratio Lower Upper
139 100
109 0.0 57.8 97.8#
65 1.6 86.0 126.0#



#57
2,4-Dinitrotoluene
Concen: 6.294 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:165 Resp: 26225
Ion Ratio Lower Upper
165 100
63 2.0 33.0 49.4#
89 1.2 51.5 77.3#
182 0.0 1.9 2.9#

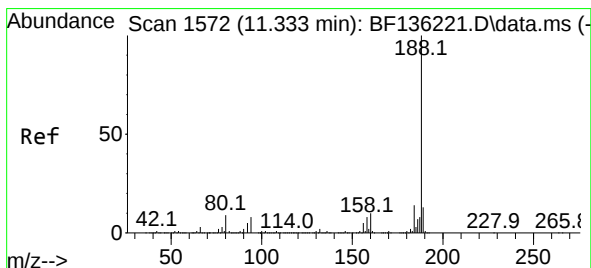
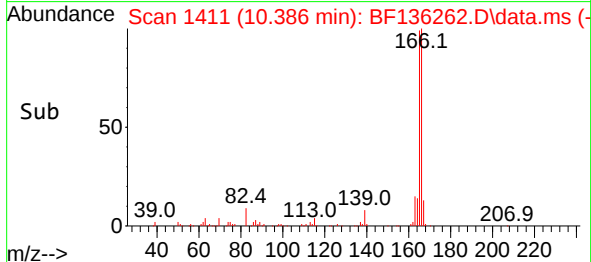
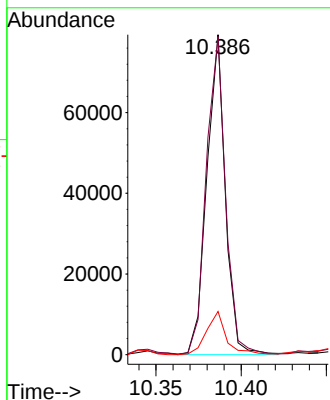
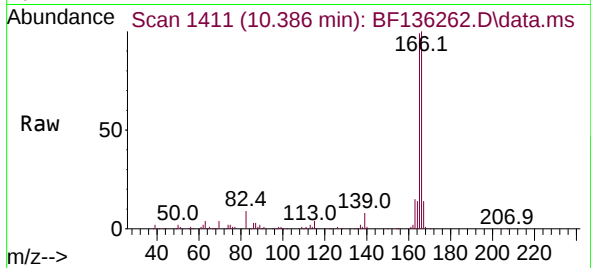




#58
 Fluorene
 Concen: 4.121 ng
 RT: 10.386 min Scan# 1413
 Delta R.T. -0.012 min
 Lab File: BF136262.D
 Acq: 28 Nov 2023 22:08

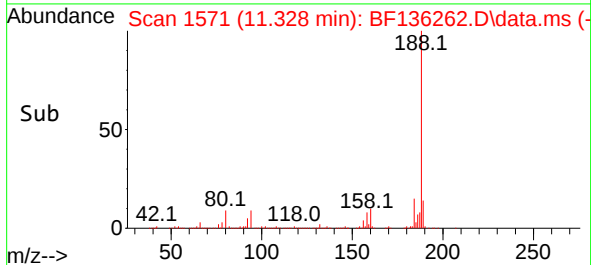
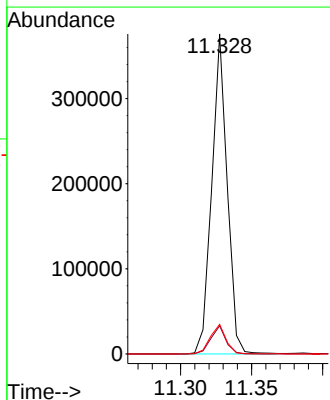
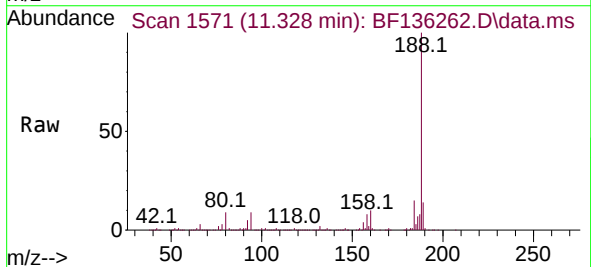
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-343

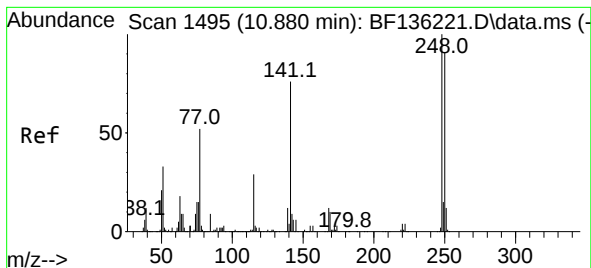
Tgt Ion:166 Resp: 60016
 Ion Ratio Lower Upper
 166 100
 165 99.5 86.2 129.4
 167 13.5 9.1 13.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.328 min Scan# 1571
 Delta R.T. -0.005 min
 Lab File: BF136262.D
 Acq: 28 Nov 2023 22:08

Tgt Ion:188 Resp: 284429
 Ion Ratio Lower Upper
 188 100
 94 8.8 6.7 10.1
 80 9.2 7.2 10.8

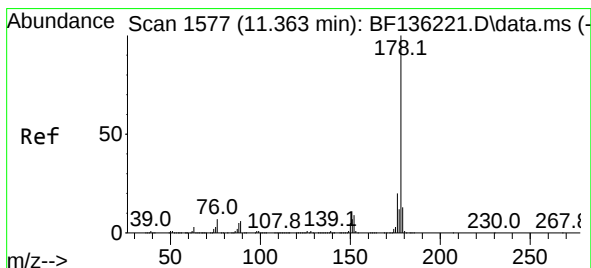
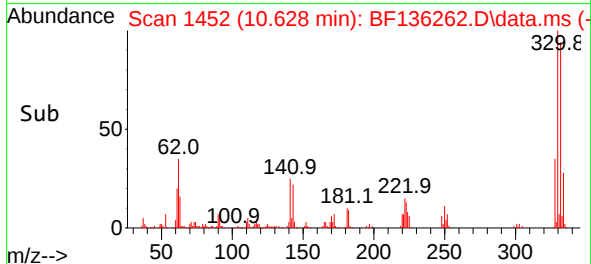
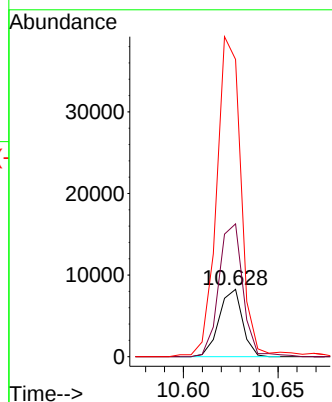
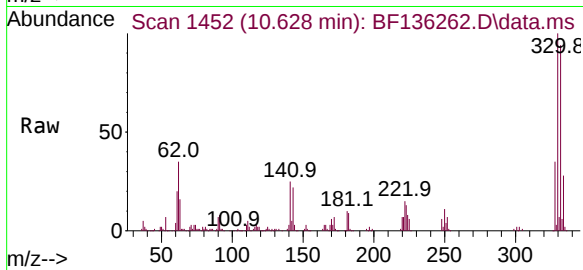




#67
4-Bromophenyl-phenylether
Concen: 2.138 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

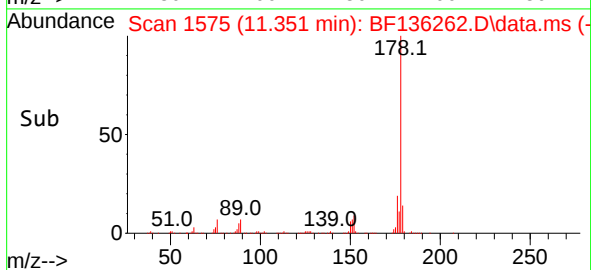
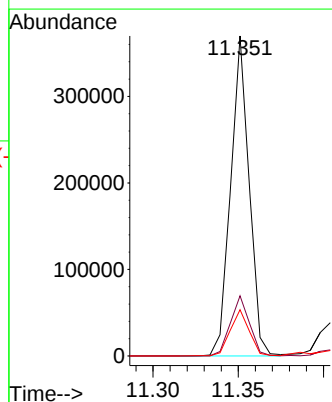
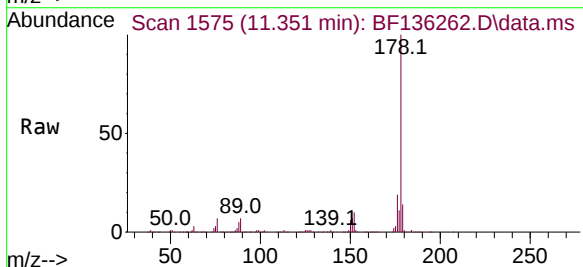
Instrument :
BNA_F
ClientSampleId :
ETGI-343

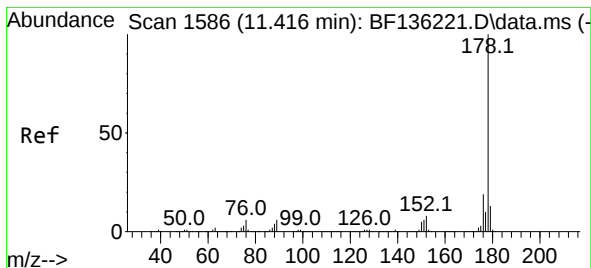
Tgt Ion:248 Resp: 7094
Ion Ratio Lower Upper
248 100
250 197.2 72.5 108.7#
141 441.6 60.8 91.2#



#71
Phenanthrene
Concen: 17.440 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:178 Resp: 278801
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 14.5 10.3 15.5





#72

Anthracene

Concen: 17.391 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

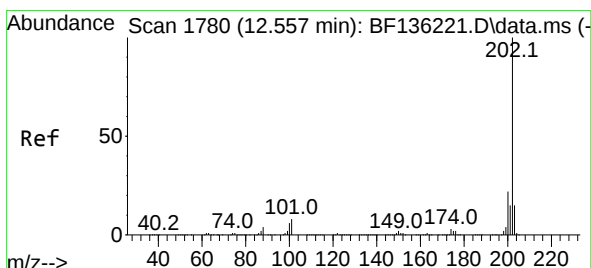
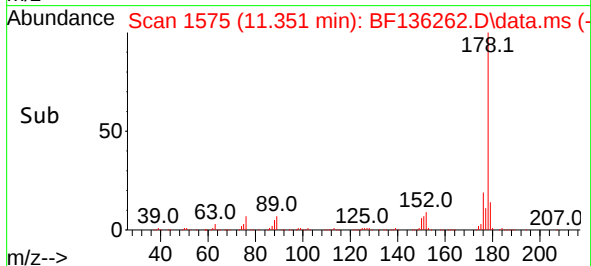
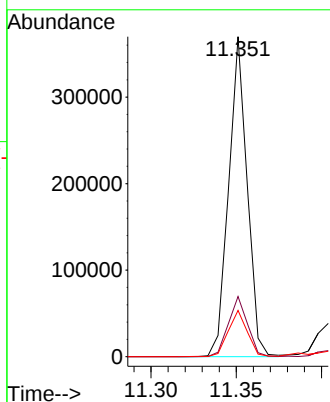
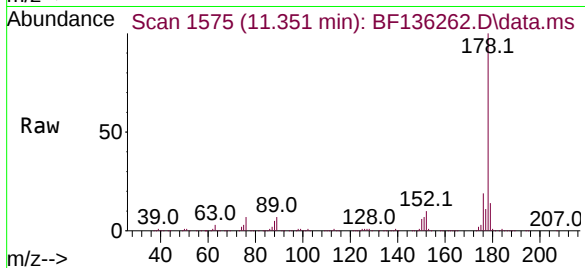
Tgt Ion:178 Resp: 278801

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 14.5 10.5 15.7



#75

Fluoranthene

Concen: 13.376 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

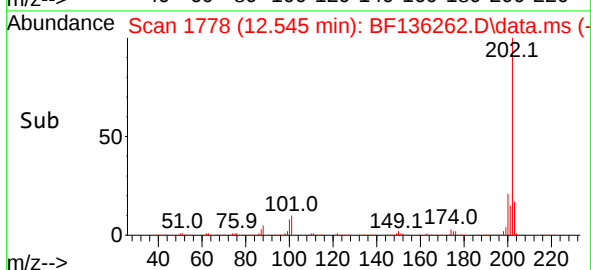
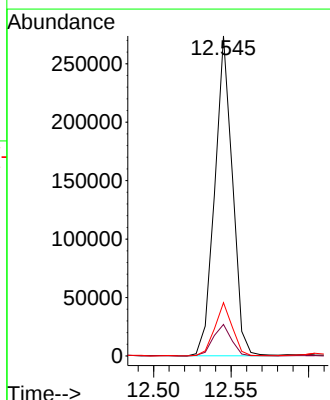
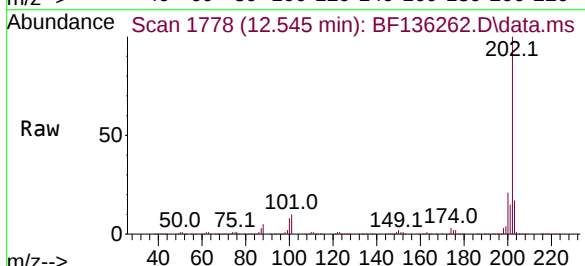
Tgt Ion:202 Resp: 217079

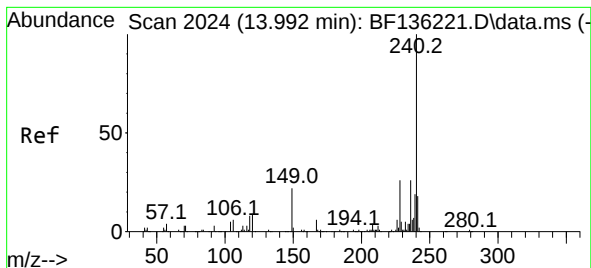
Ion Ratio Lower Upper

202 100

101 9.8 0.0 27.8

203 16.6 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

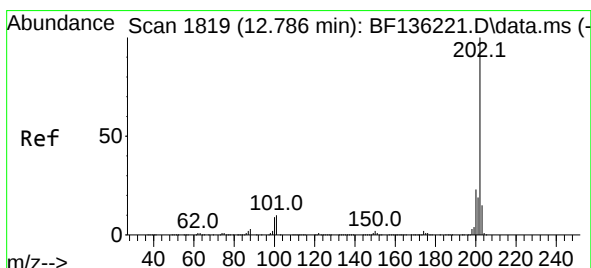
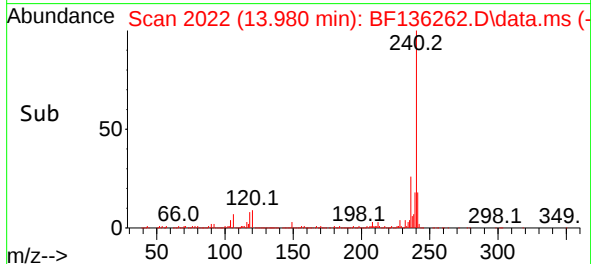
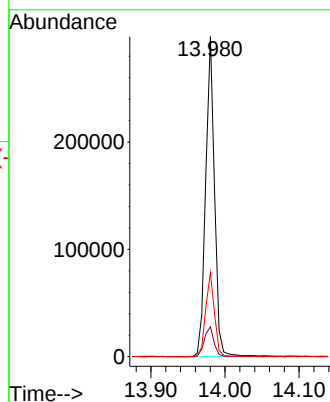
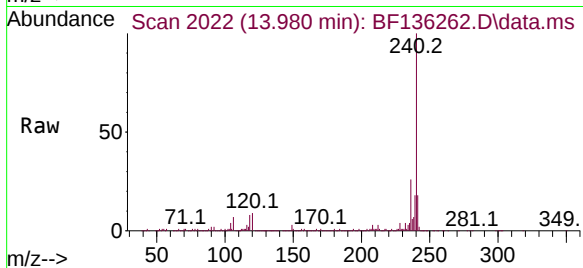
Tgt Ion:240 Resp: 250610

Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.2

236 26.3 21.1 31.7



#78

Pyrene

Concen: 5.521 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

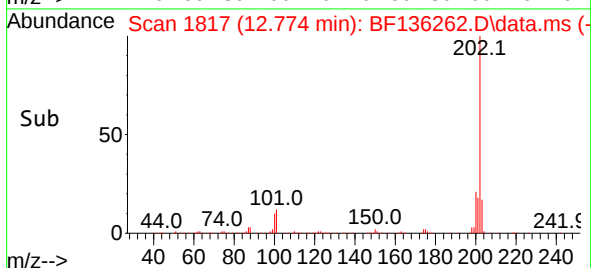
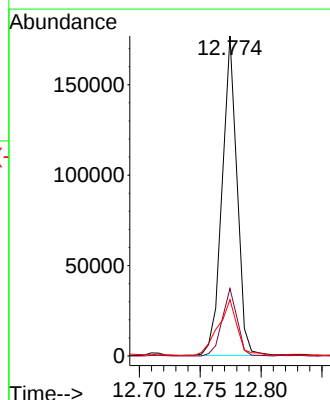
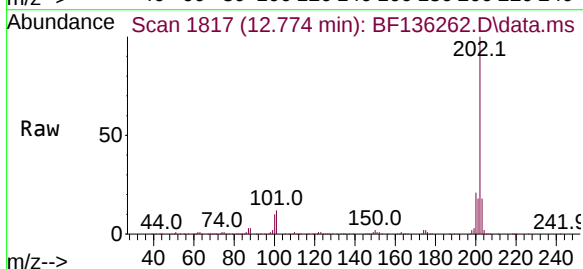
Tgt Ion:202 Resp: 151526

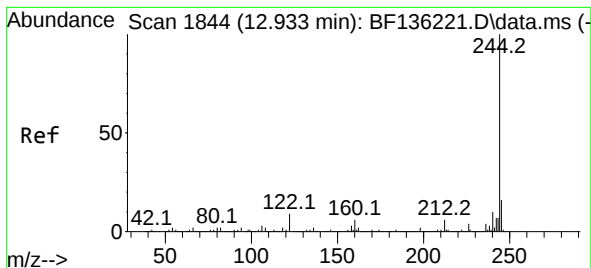
Ion Ratio Lower Upper

202 100

200 21.1 18.4 27.6

203 17.6 11.8 17.6





#79

Terphenyl-d14

Concen: 25.846 ng

RT: 12.922 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

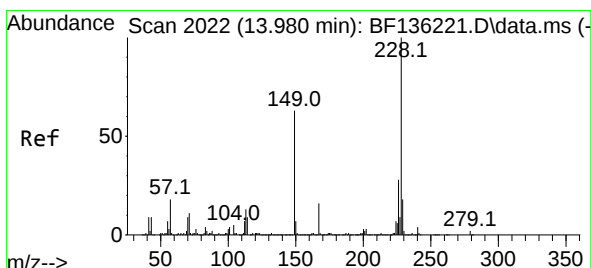
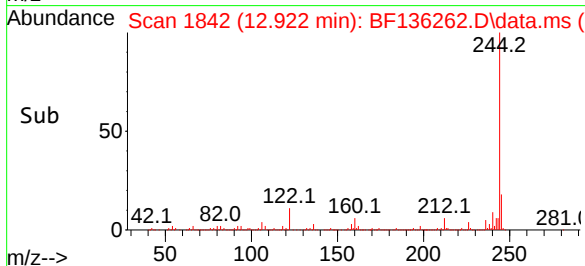
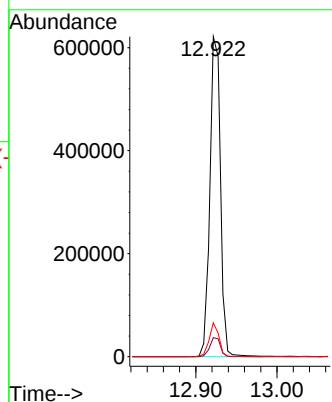
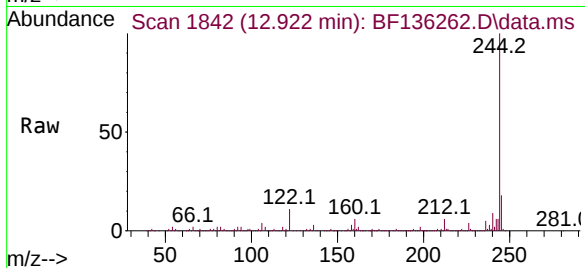
Tgt Ion:244 Resp: 561528

Ion Ratio Lower Upper

244 100

212 5.9 4.6 7.0

122 10.6 7.3 10.9



#81

Benzo(a)anthracene

Concen: 2.921 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.024 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

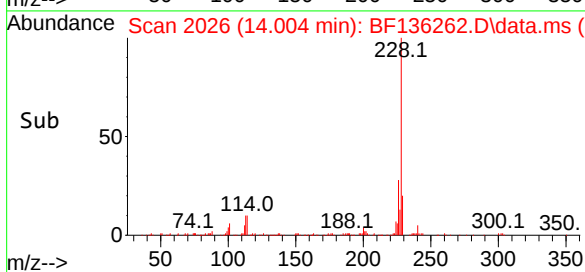
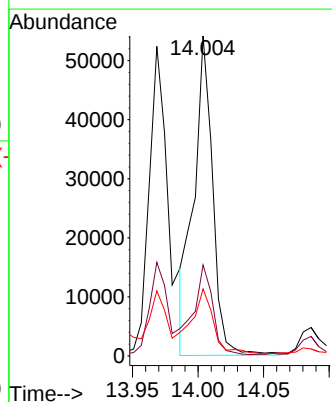
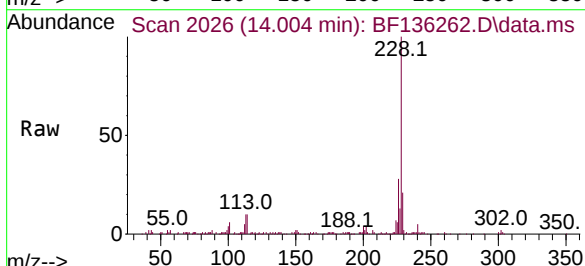
Tgt Ion:228 Resp: 54369

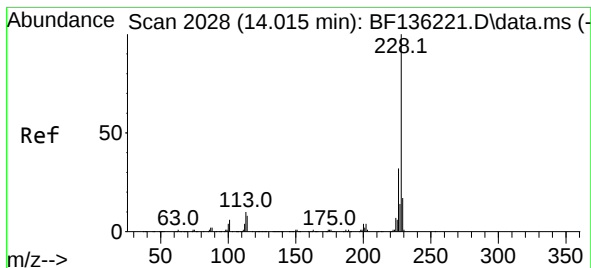
Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

229 20.9 14.0 21.0





#83

Chrysene

Concen: 3.025 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

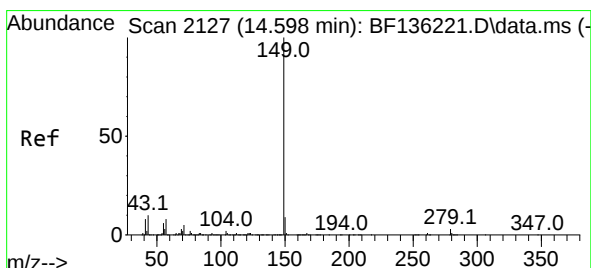
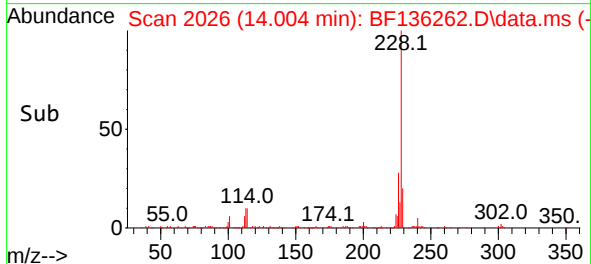
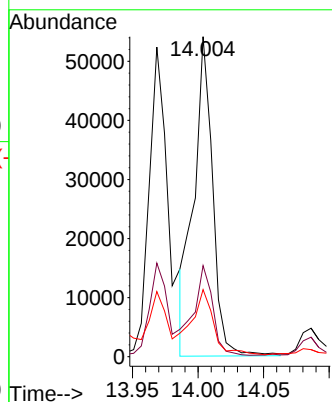
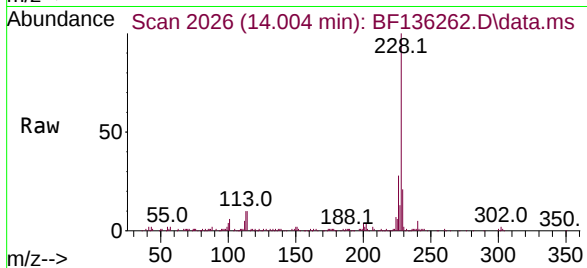
Tgt Ion:228 Resp: 54369

Ion Ratio Lower Upper

228 100

226 28.4 25.5 38.3

229 20.9 13.9 20.9#



#85

Di-n-octyl phthalate

Concen: 6.541 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

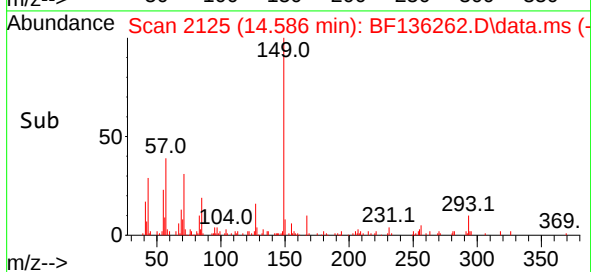
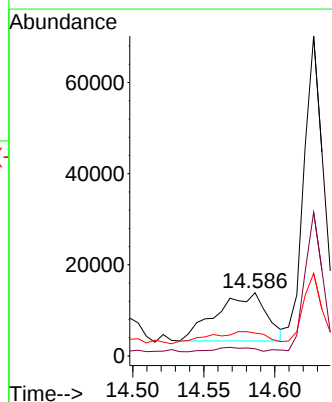
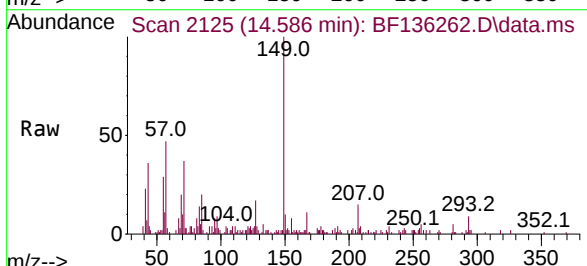
Tgt Ion:149 Resp: 25722

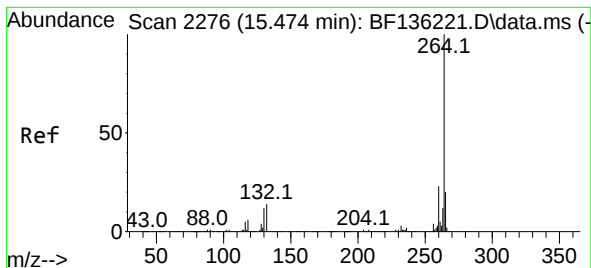
Ion Ratio Lower Upper

149 100

167 9.4 1.0 1.6#

43 29.3 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

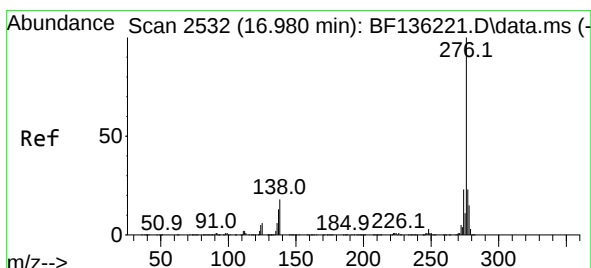
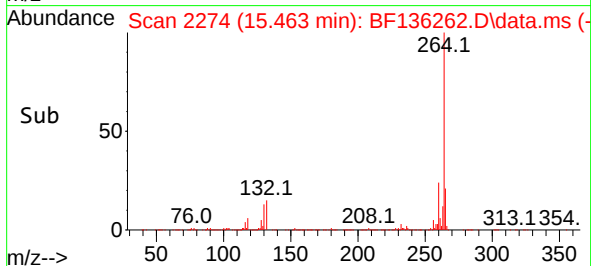
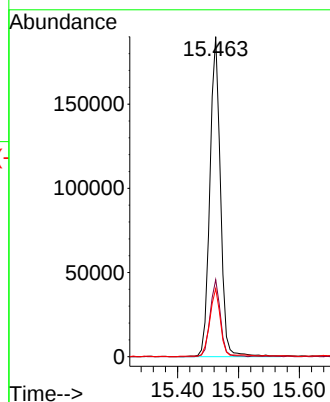
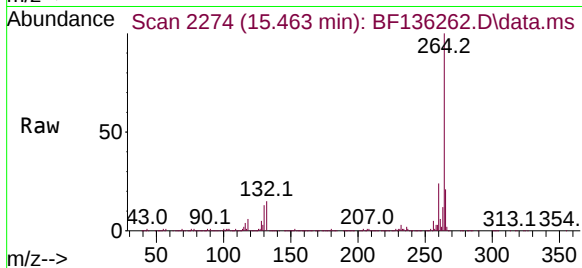
Tgt Ion:264 Resp: 230197

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 21.2 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.829 ng

RT: 16.798 min Scan# 2501

Delta R.T. -0.182 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

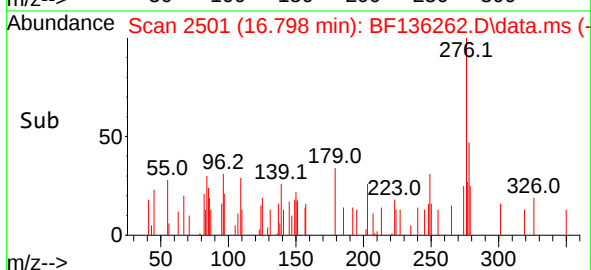
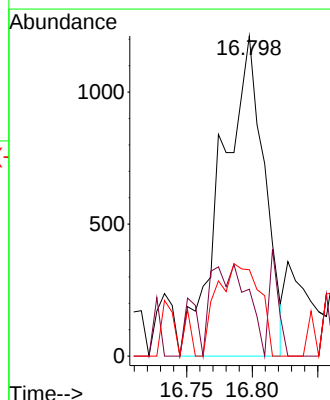
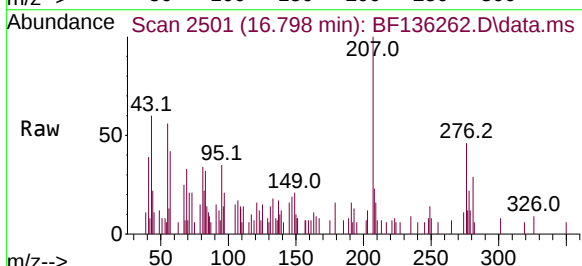
Tgt Ion:276 Resp: 2728

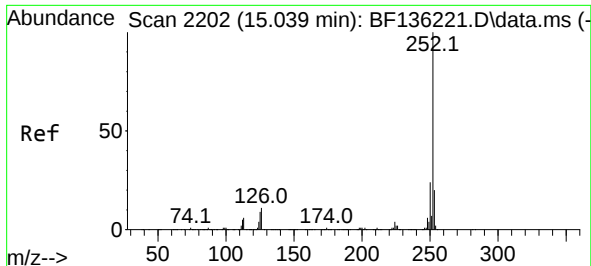
Ion Ratio Lower Upper

276 100

138 24.7 17.7 26.5

277 28.7 19.6 29.4

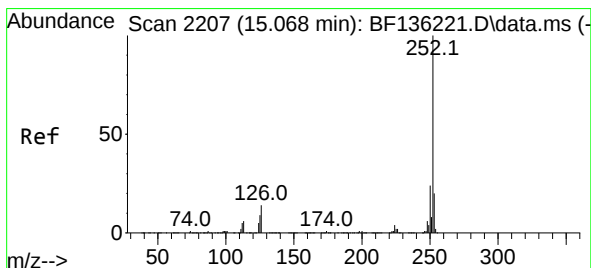
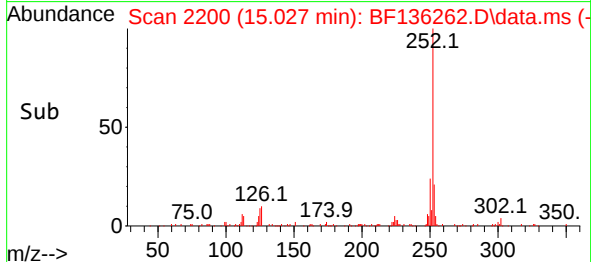
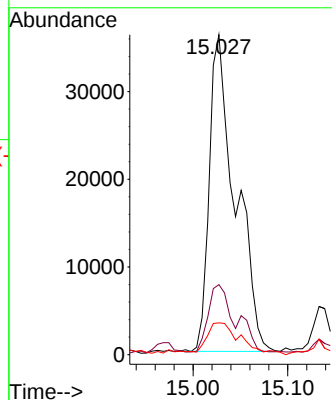
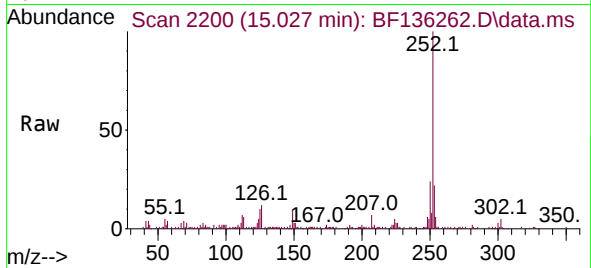




#88
Benzo(b)fluoranthene
Concen: 4.281 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

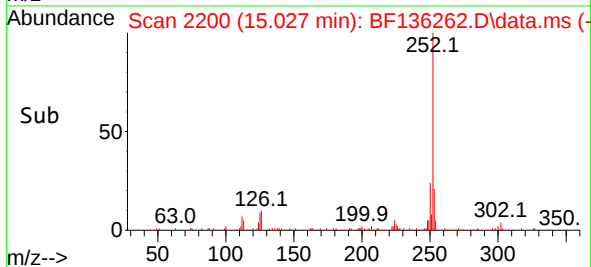
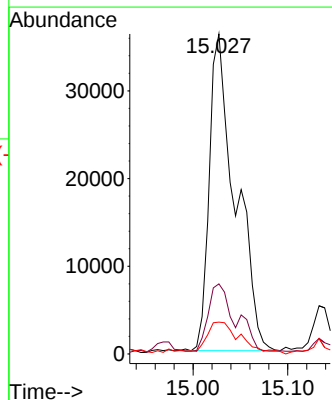
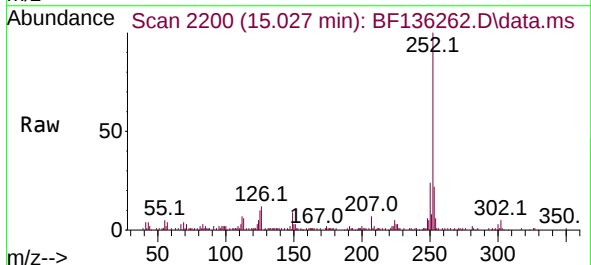
Instrument :
BNA_F
ClientSampleId :
ETGI-343

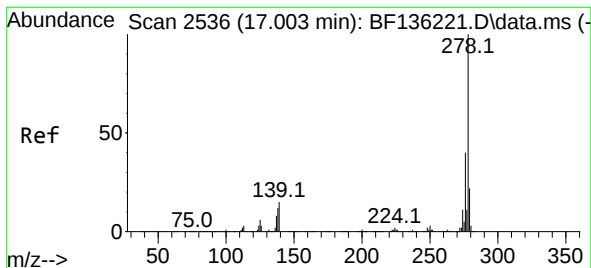
Tgt Ion:252 Resp: 69138
Ion Ratio Lower Upper
252 100
253 21.9 16.2 24.2
125 10.0 6.9 10.3



#89
Benzo(k)fluoranthene
Concen: 4.507 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.041 min
Lab File: BF136262.D
Acq: 28 Nov 2023 22:08

Tgt Ion:252 Resp: 69138
Ion Ratio Lower Upper
252 100
253 21.9 15.6 23.4
125 10.0 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 2.932 ng

RT: 16.974 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ETGI-343

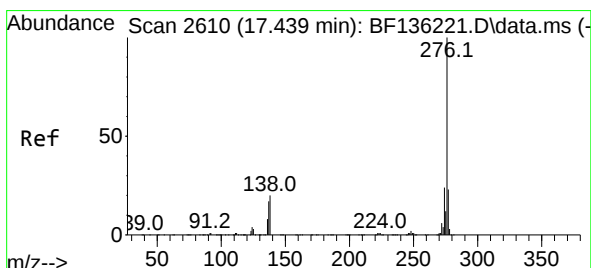
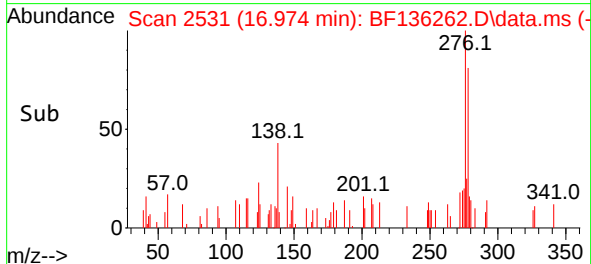
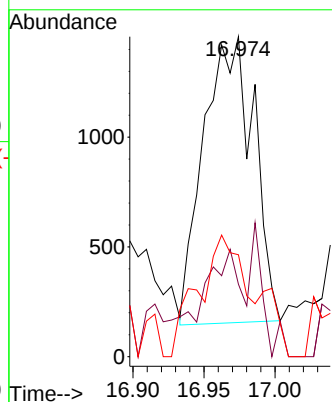
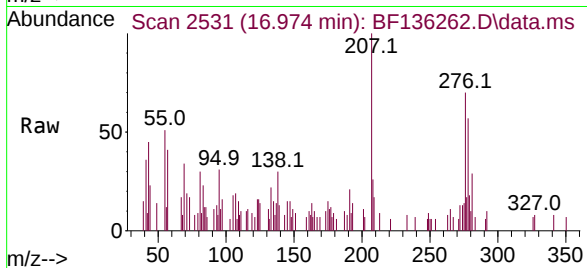
Tgt Ion:278 Resp: 3198

Ion Ratio Lower Upper

278 100

139 22.6 11.7 17.5#

279 31.8 17.8 26.8#



#92

Benzo(g,h,i)perylene

Concen: 2.580 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.035 min

Lab File: BF136262.D

Acq: 28 Nov 2023 22:08

Tgt Ion:276 Resp: 9807

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 34.8 15.8 23.8#

