

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139580.D
 Acq On : 30 Sep 2024 15:57
 Operator : RC/JU
 Sample : P4192-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-355

Quant Time: Sep 30 16:25:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

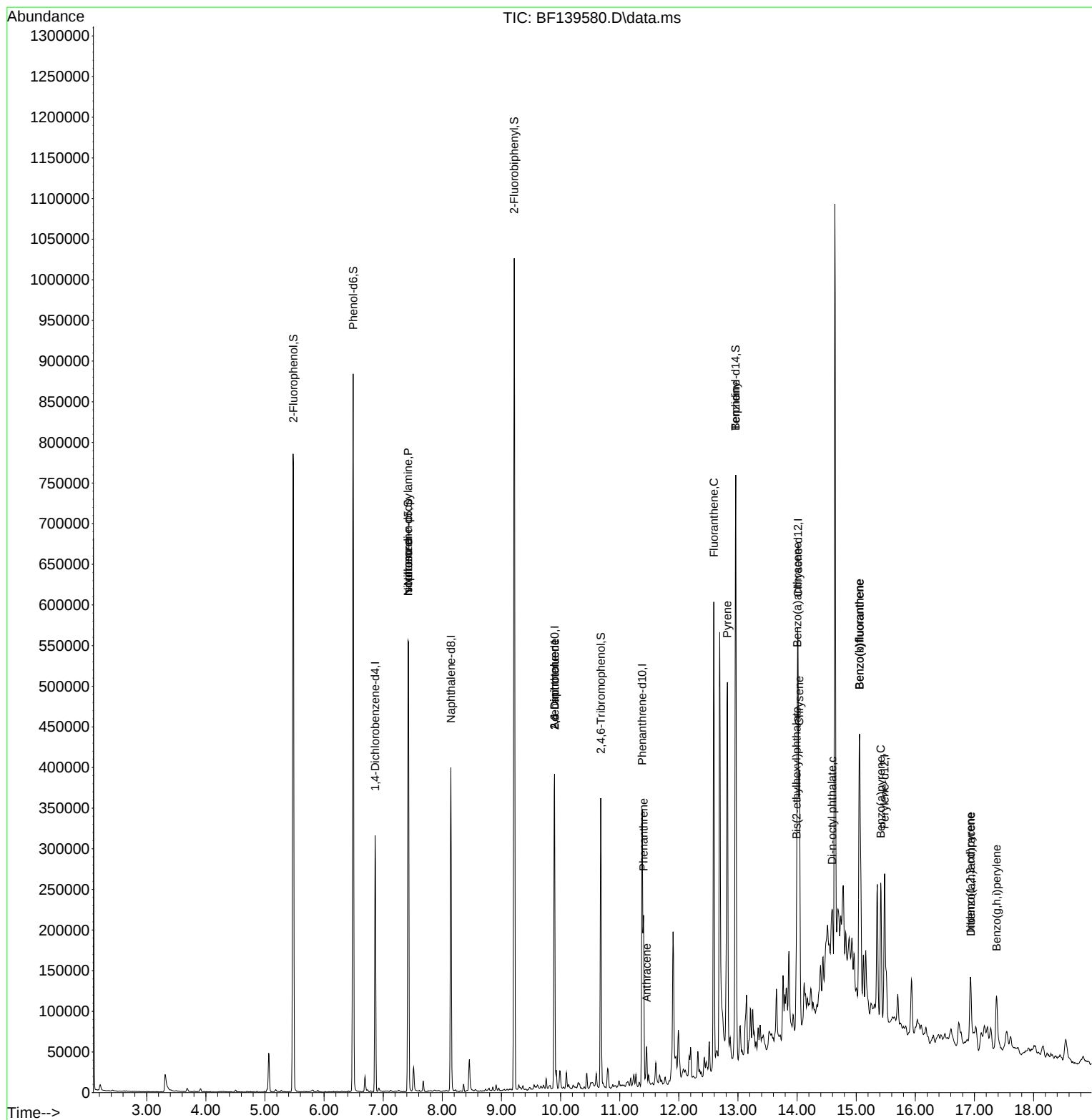
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	61155	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	224586	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	110883	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	168577	20.000	ng	#-0.02
76) Chrysene-d12	14.016	240	124012	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	100901	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	265857	70.919	ng	-0.01
7) Phenol-d6	6.492	99	356550	72.462	ng	-0.01
23) Nitrobenzene-d5	7.422	82	233518	48.881	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	49642	42.052	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	414226	52.394	ng	-0.02
79) Terphenyl-d14	12.963	244	326650	43.235	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	32041	10.989	ng	# 73
25) Isophorone	7.422	82	233513	30.907	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14351	8.901	ng	# 15
57) 2,4-Dinitrotoluene	9.898	165	14351	6.593	ng	# 17
71) Phenanthrene	11.404	178	102583	12.613	ng	99
72) Anthracene	11.457	178	24173	3.040	ng	98
75) Fluoranthene	12.592	202	314312	36.188	ng	98
77) Benzidine	12.963	184	4923	2.771	ng	# 86
78) Pyrene	12.821	202	264050	24.798	ng	99
81) Benzo(a)anthracene	14.004	228	163991	19.964	ng	97
83) Chrysene	14.039	228	169002	22.362	ng	98
84) Bis(2-ethylhexyl)phtha...	13.992	149	26865	5.827	ng	99
85) Di-n-octyl phthalate	14.592	149	40431	5.954	ng	# 21
87) Indeno(1,2,3-cd)pyrene	16.933	276	56488	9.415	ng	99
88) Benzo(b)fluoranthene	15.057	252	286531	46.044	ng	# 98
89) Benzo(k)fluoranthene	15.057	252	286531	49.938	ng	# 97
90) Benzo(a)pyrene	15.415	252	100614	19.495	ng	# 97
91) Dibenzo(a,h)anthracene	16.939	278	15104	3.046	ng	# 82
92) Benzo(g,h,i)perylene	17.374	276	52422	10.679	ng	# 95

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

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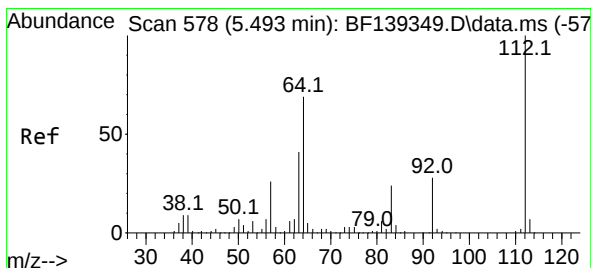
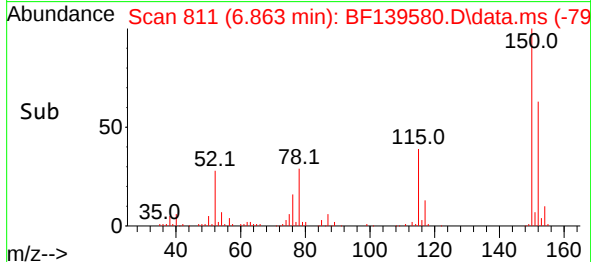
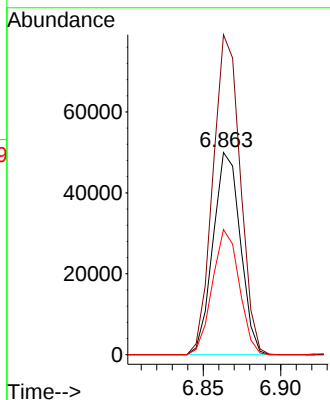
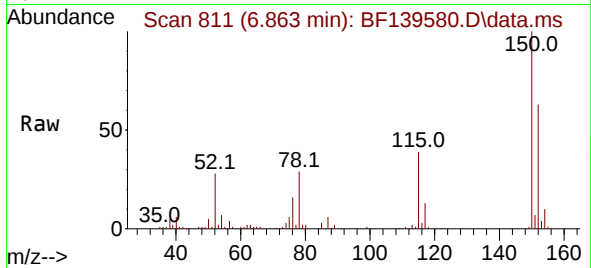




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

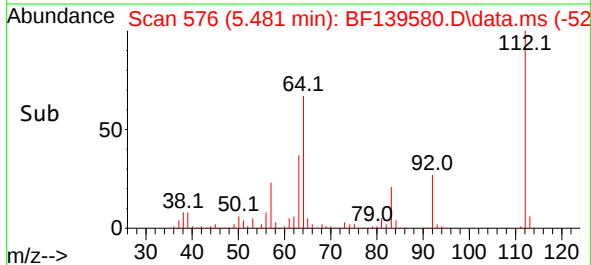
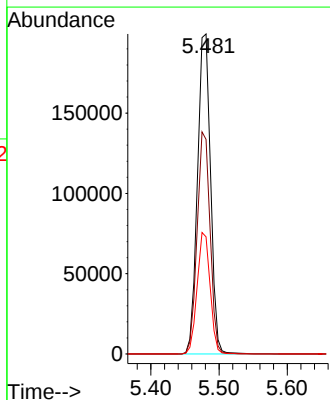
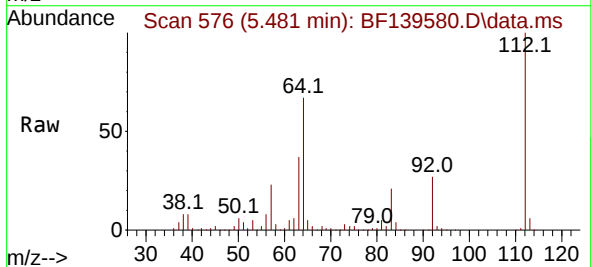
Instrument :
BNA_F
ClientSampleId :
ETGI-355

Tgt Ion:152 Resp: 61155
Ion Ratio Lower Upper
152 100
150 158.2 124.1 186.1
115 61.8 48.1 72.1



#5
2-Fluorophenol
Concen: 70.919 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

Tgt Ion:112 Resp: 265857
Ion Ratio Lower Upper
112 100
64 67.1 54.8 82.2
63 36.6 33.0 49.4

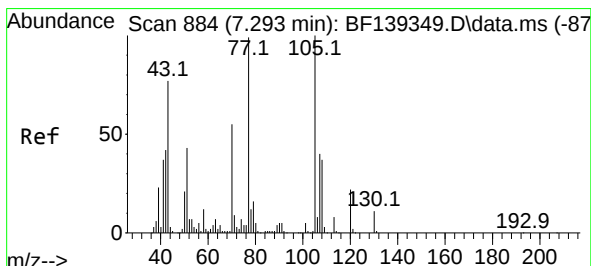
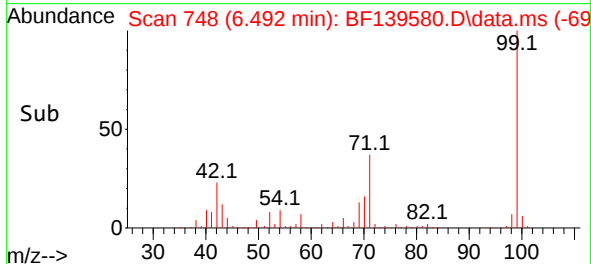
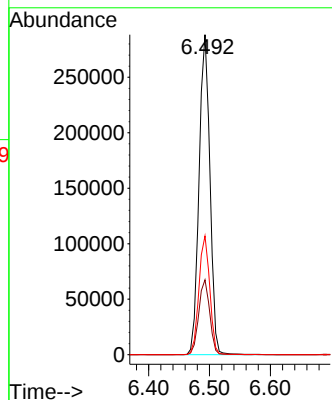
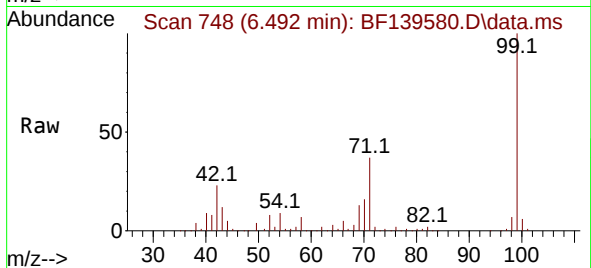




#7
Phenol-d6
Concen: 72.462 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

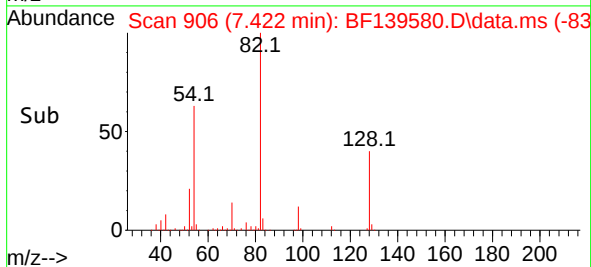
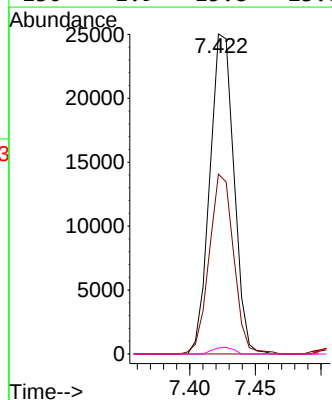
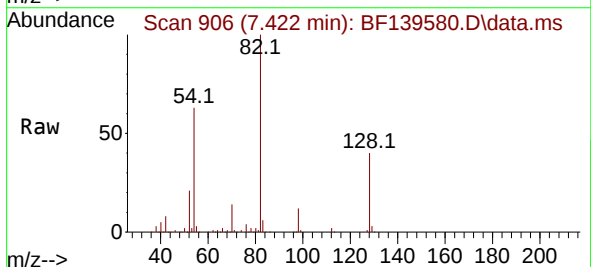
Instrument :
BNA_F
ClientSampleId :
ETGI-355

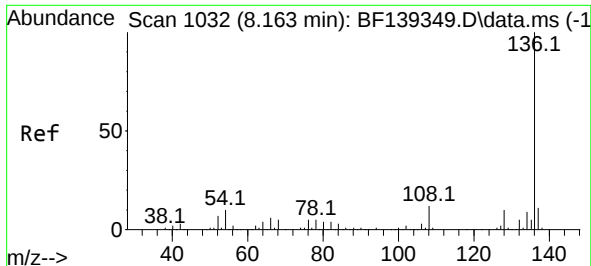
Tgt Ion: 99 Resp: 356550
Ion Ratio Lower Upper
99 100
42 23.4 21.9 32.9
71 37.1 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.989 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.129 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

Tgt Ion: 70 Resp: 32041
Ion Ratio Lower Upper
70 100
42 56.2 61.2 91.8#
101 0.0 7.5 11.3#
130 1.9 15.8 23.8#

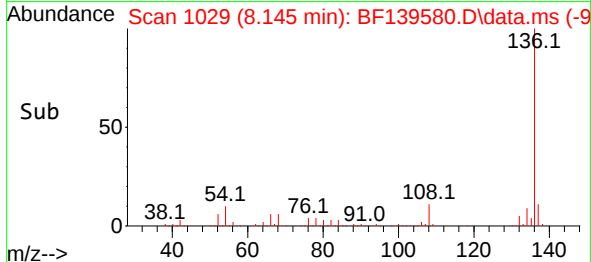
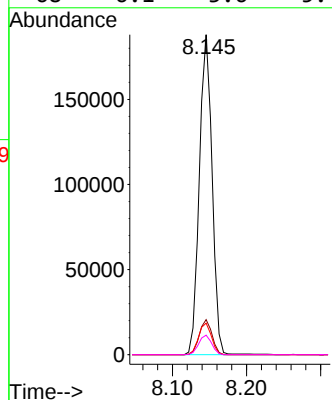
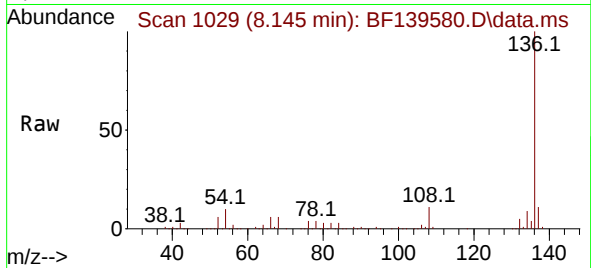




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

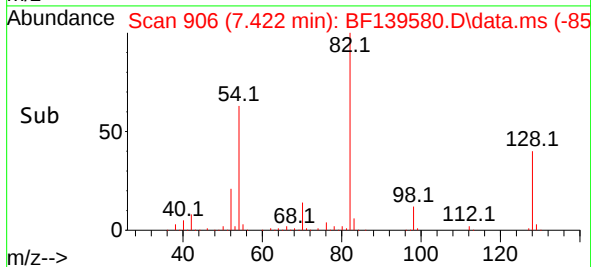
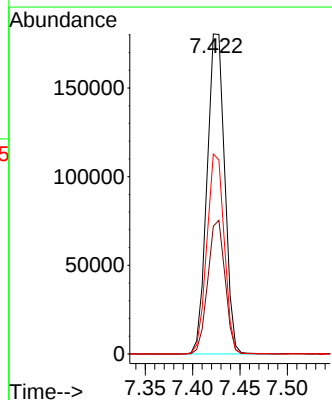
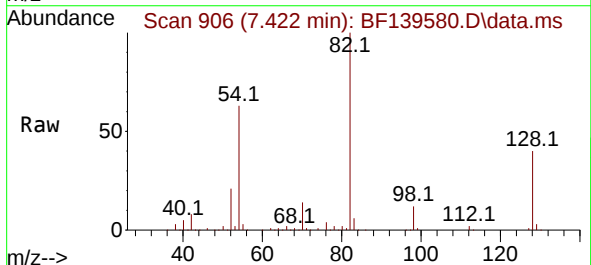
Instrument :
BNA_F
ClientSampleId :
ETGI-355

Tgt Ion:136 Resp: 224586
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.9 7.8 11.8
68 6.1 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 48.881 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.024 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

Tgt Ion: 82 Resp: 233518
Ion Ratio Lower Upper
82 100
128 39.9 31.8 47.6
54 62.5 50.6 75.8

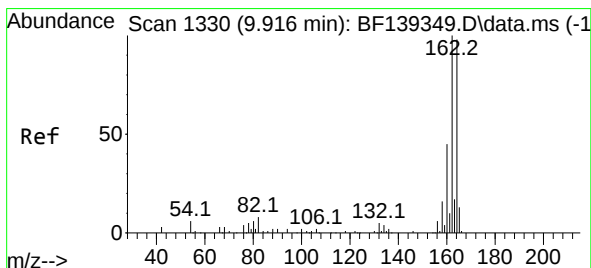
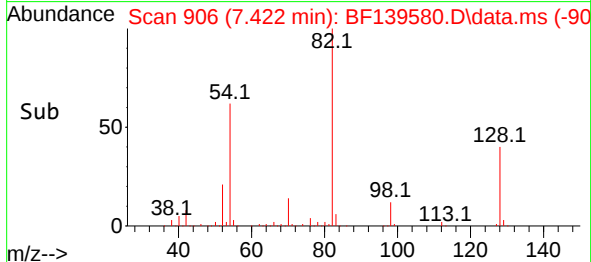
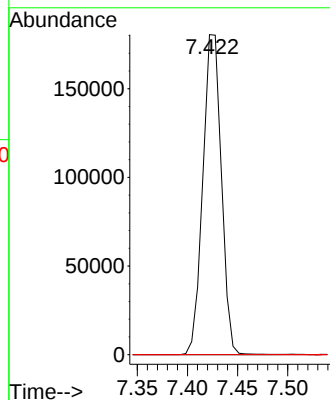
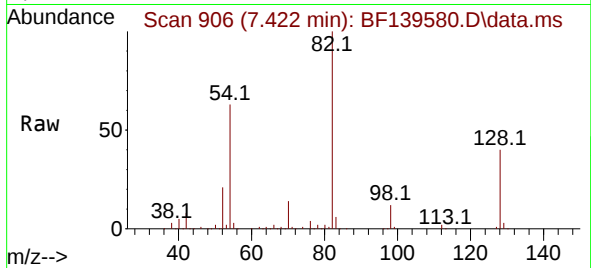




#25
Isophorone
Concen: 30.907 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

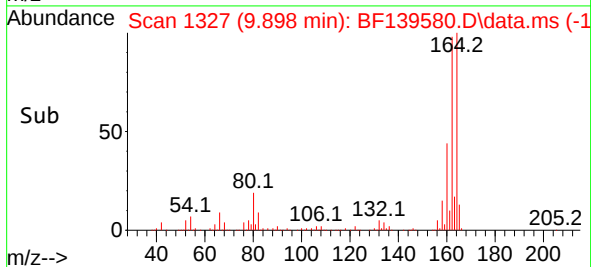
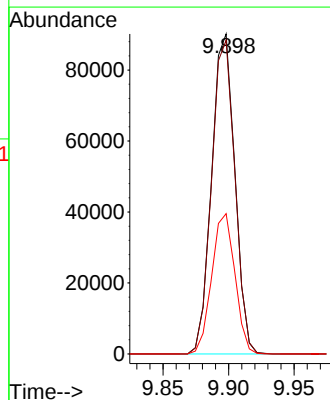
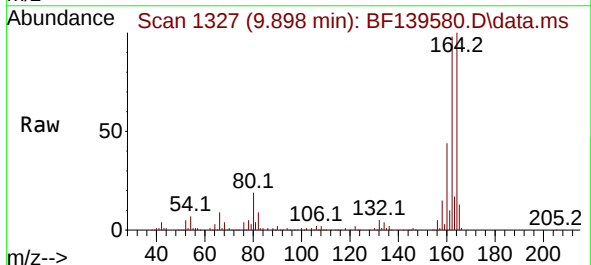
Instrument :
BNA_F
ClientSampleId :
ETGI-355

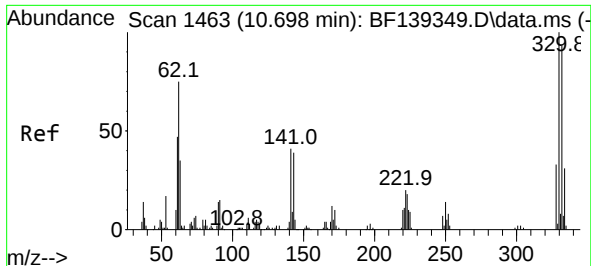
Tgt Ion: 82 Resp: 233513
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

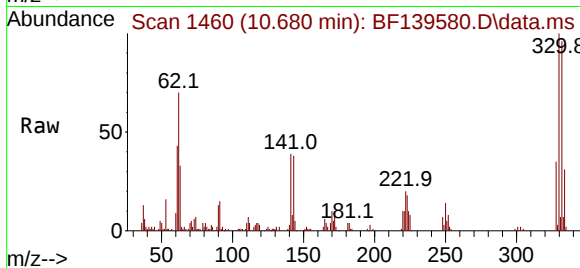
Tgt Ion:164 Resp: 110883
Ion Ratio Lower Upper
164 100
162 98.1 81.3 121.9
160 43.8 36.4 54.6



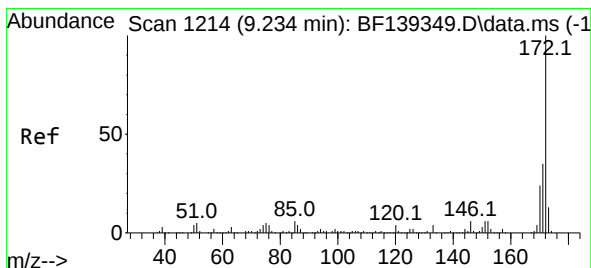
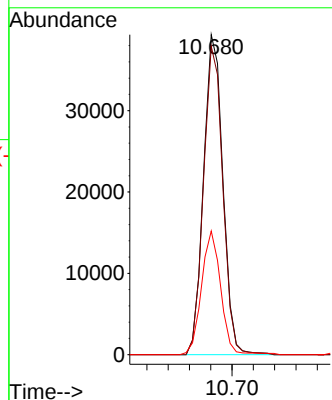
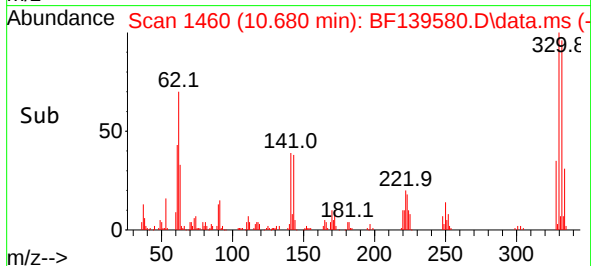


#42
2,4,6-Tribromophenol
Concen: 42.052 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

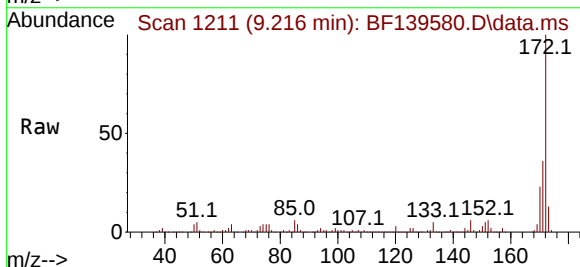
Instrument :
BNA_F
ClientSampleId :
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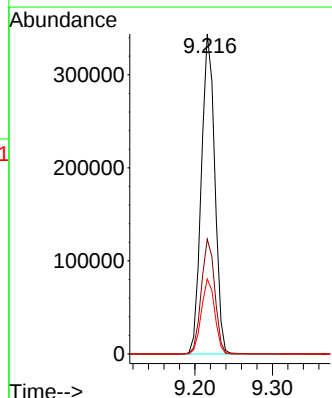
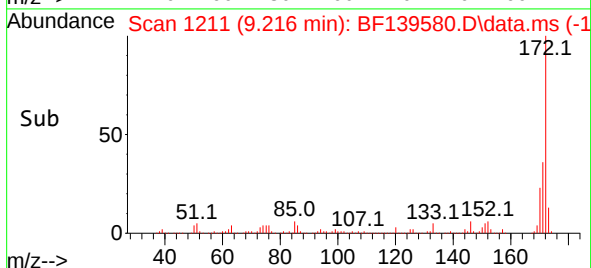
Tgt Ion:330 Resp: 49642
Ion Ratio Lower Upper
330 100
332 96.4 75.2 112.8
141 38.6 31.2 46.8

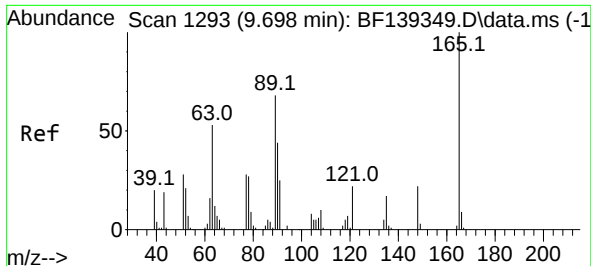


#45
2-Fluorobiphenyl
Concen: 52.394 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57



Tgt Ion:172 Resp: 414226
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 23.4 19.0 28.6

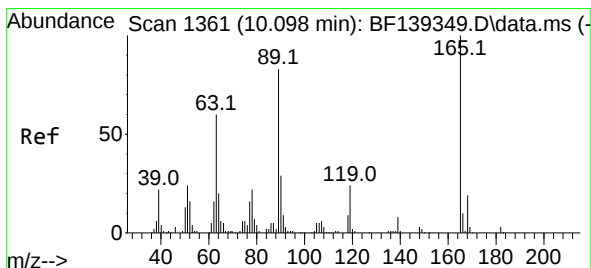
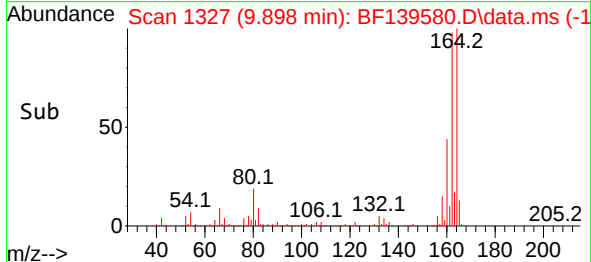
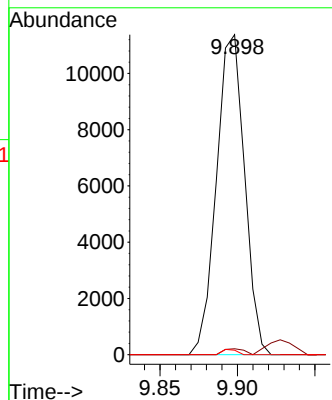
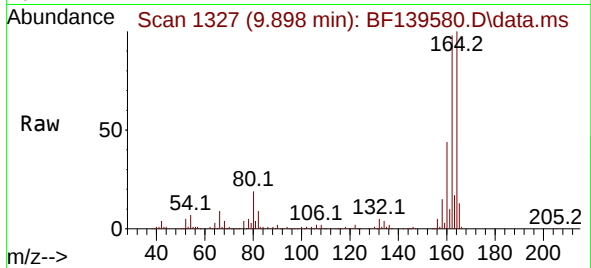




#51
2,6-Dinitrotoluene
Concen: 8.901 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

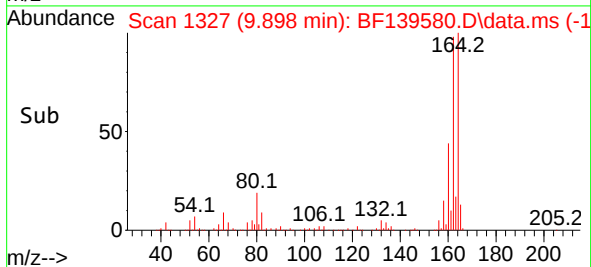
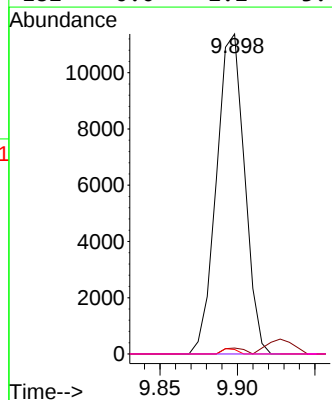
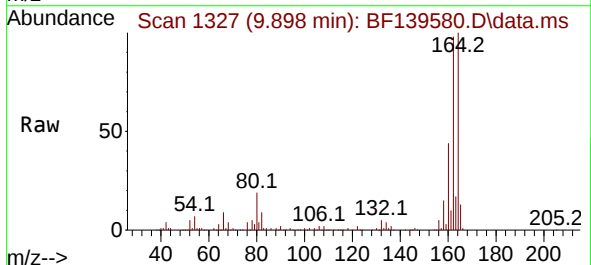
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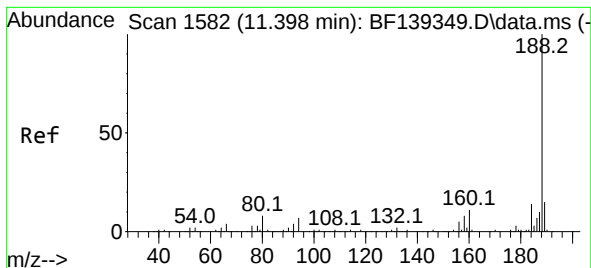
Tgt Ion:165 Resp: 14351
Ion Ratio Lower Upper
165 100
63 1.8 60.9 91.3#
89 1.4 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.593 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

Tgt Ion:165 Resp: 14351
Ion Ratio Lower Upper
165 100
63 1.8 47.8 71.6#
89 1.4 66.7 100.1#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

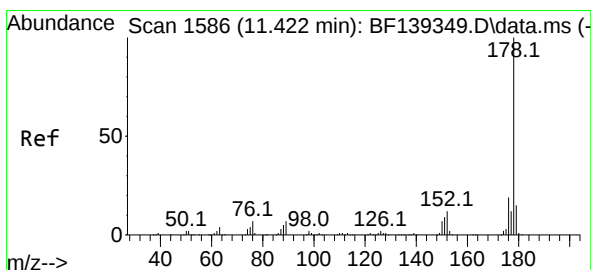
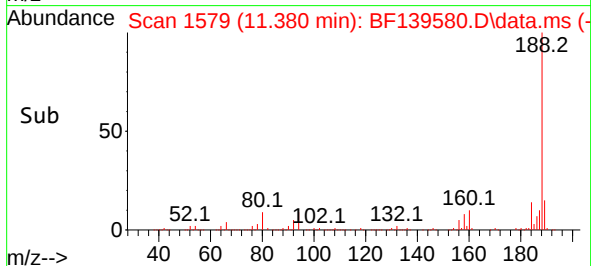
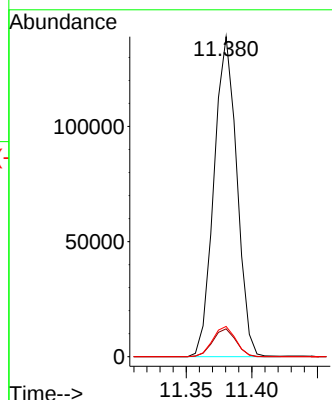
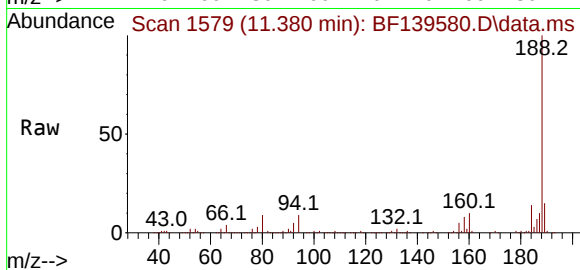
Tgt Ion:188 Resp: 168577

Ion Ratio Lower Upper

188 100

94 8.7 5.5 8.3#

80 9.5 6.6 9.8



#71

Phenanthrene

Concen: 12.613 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

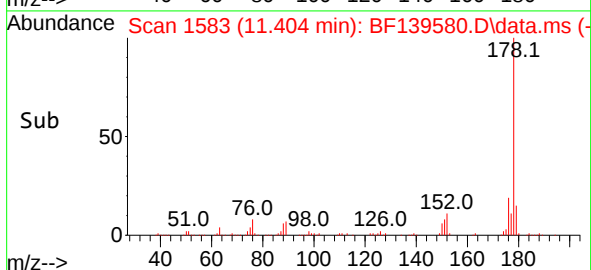
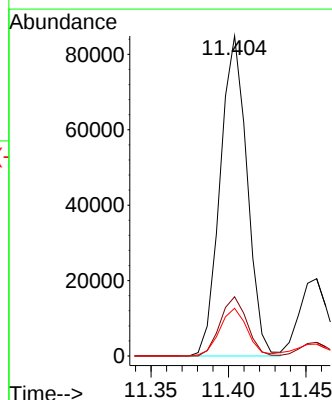
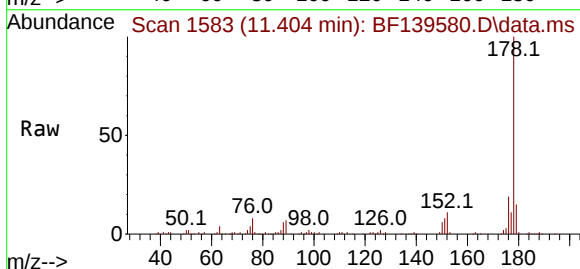
Tgt Ion:178 Resp: 102583

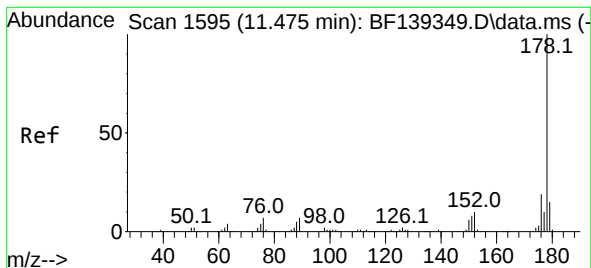
Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 14.9 12.2 18.4





#72

Anthracene

Concen: 3.040 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

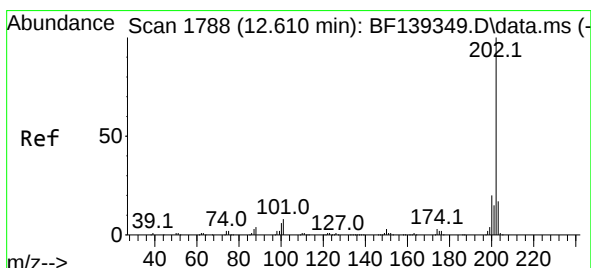
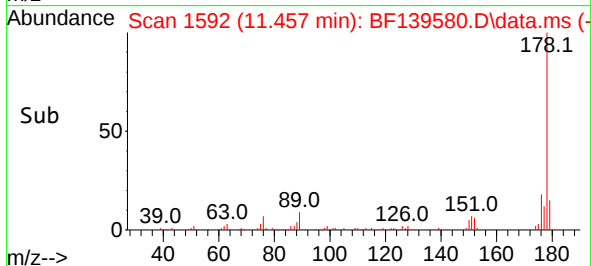
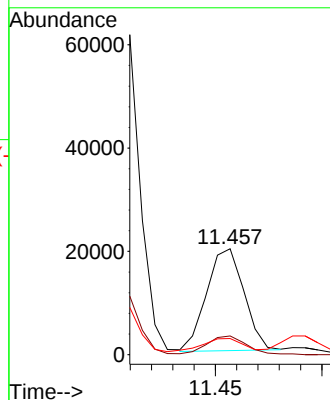
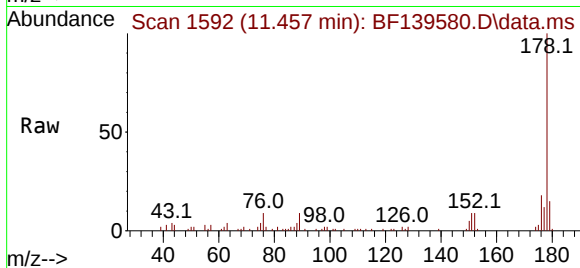
Tgt Ion:178 Resp: 24173

Ion Ratio Lower Upper

178 100

176 17.7 15.0 22.6

179 15.3 12.0 18.0



#75

Fluoranthene

Concen: 36.188 ng

RT: 12.592 min Scan# 1785

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

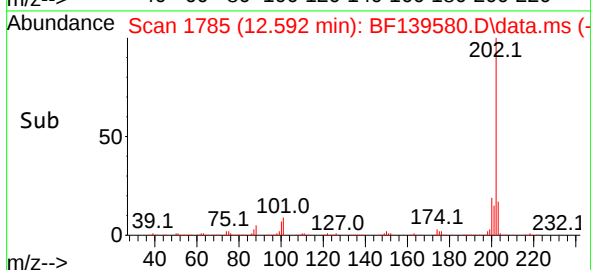
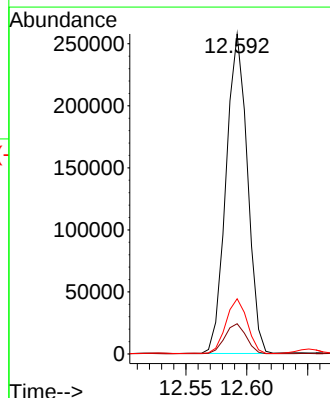
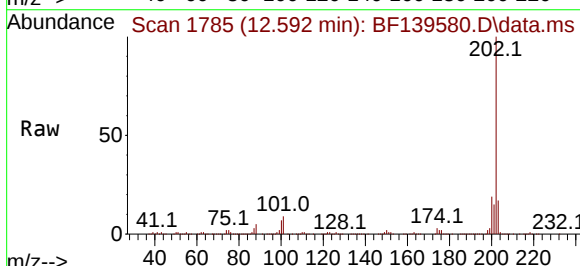
Tgt Ion:202 Resp: 314312

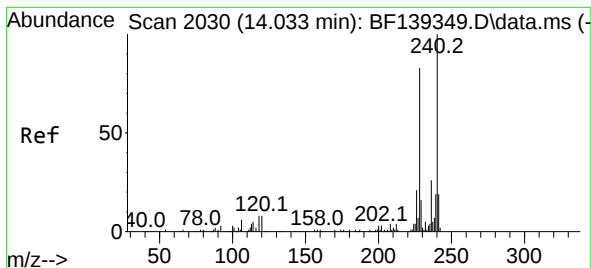
Ion Ratio Lower Upper

202 100

101 9.4 0.0 27.7

203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

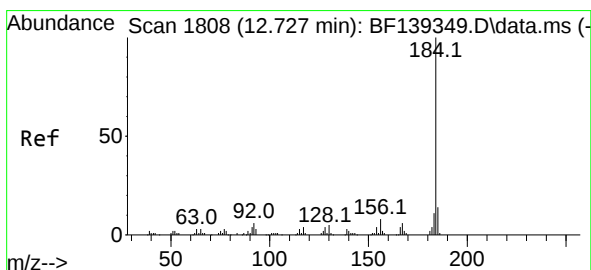
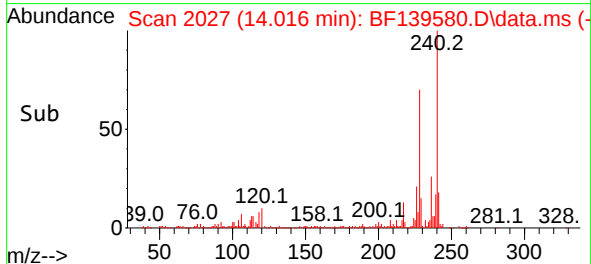
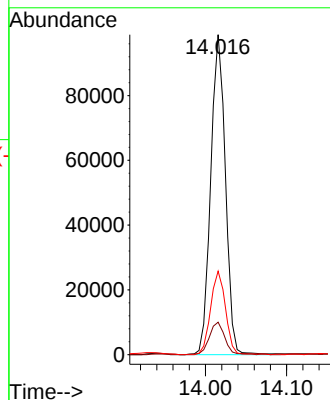
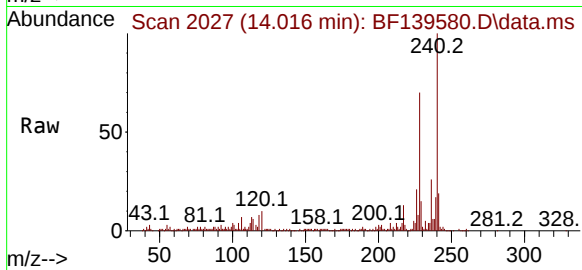
Tgt Ion:240 Resp: 124012

Ion Ratio Lower Upper

240 100

120 10.1 6.2 9.2#

236 26.1 20.9 31.3



#77

Benzidine

Concen: 2.771 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.235 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

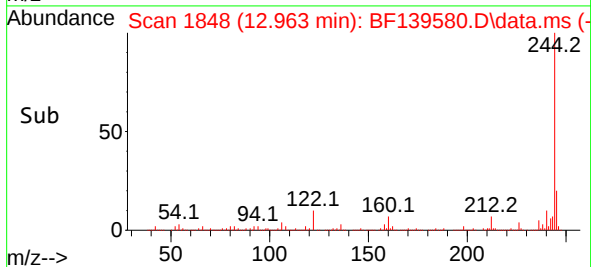
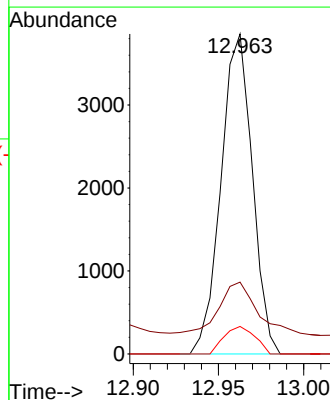
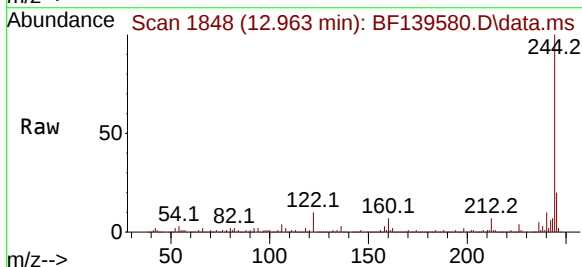
Tgt Ion:184 Resp: 4923

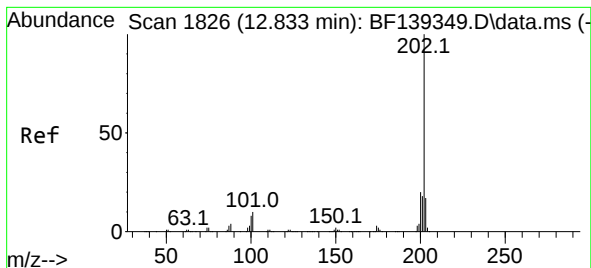
Ion Ratio Lower Upper

184 100

185 22.4 11.5 17.3#

183 8.6 8.9 13.3#





#78

Pyrene

Concen: 24.798 ng

RT: 12.821 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

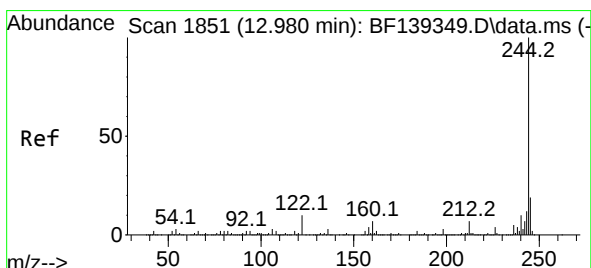
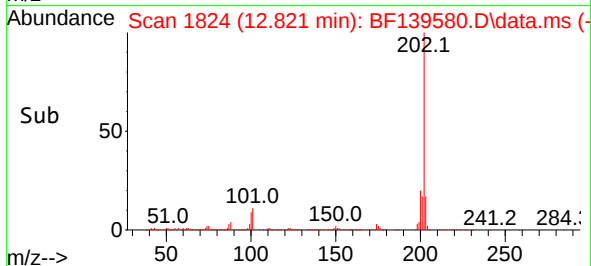
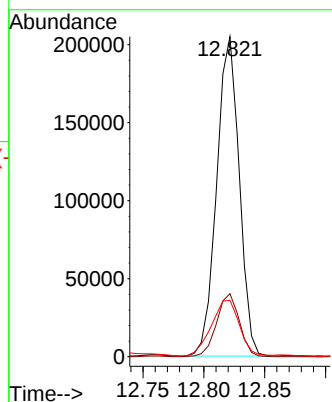
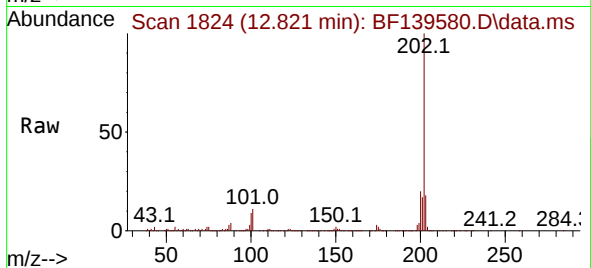
Tgt Ion:202 Resp: 264050

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 43.235 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

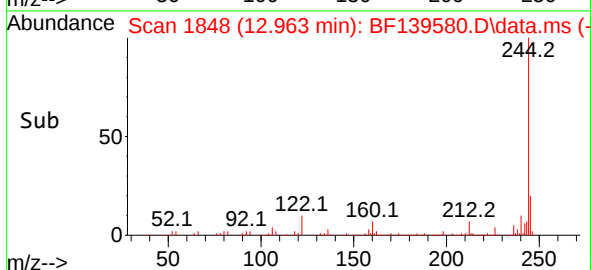
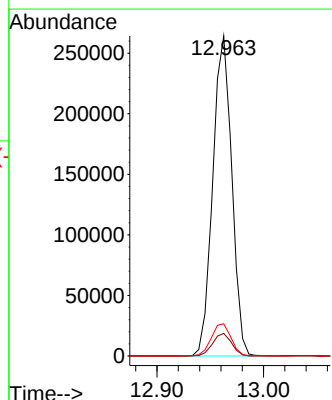
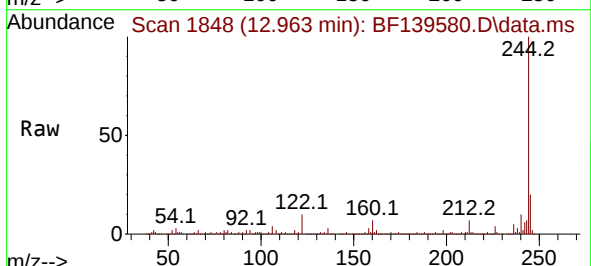
Tgt Ion:244 Resp: 326650

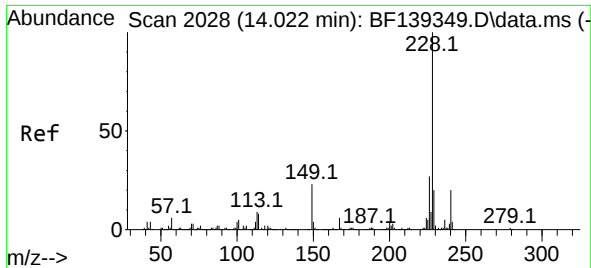
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 10.0 7.6 11.4

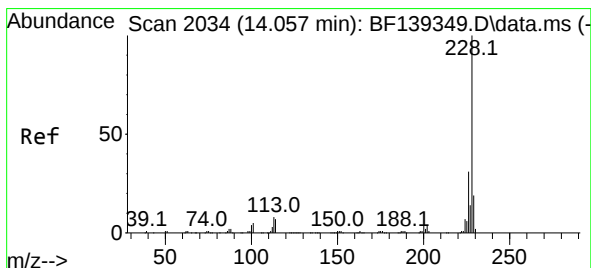
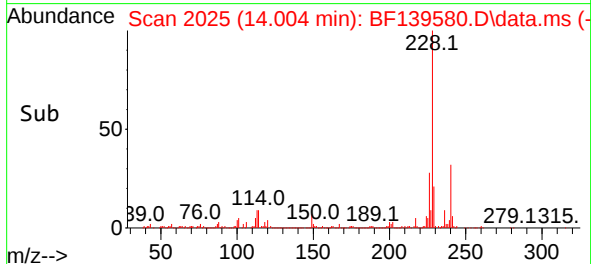
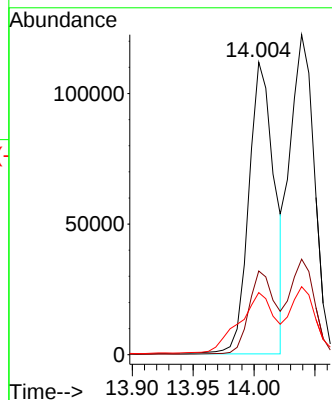
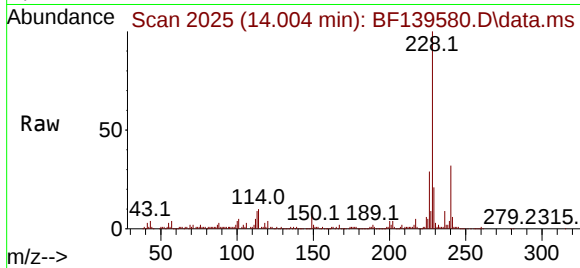




#81
Benzo(a)anthracene
Concen: 19.964 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

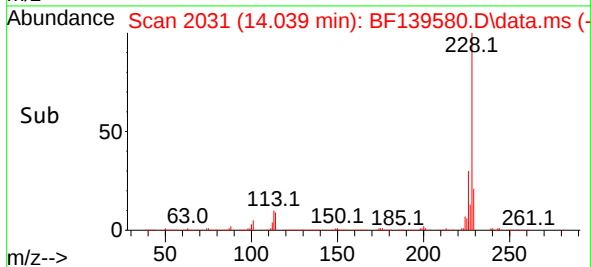
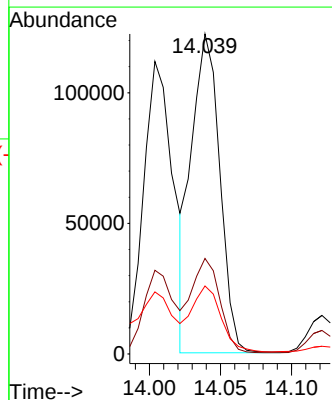
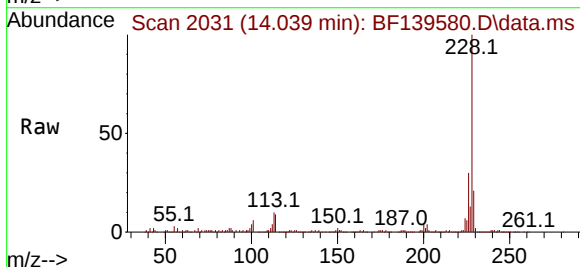
Instrument :
BNA_F
ClientSampleId :
ETGI-355

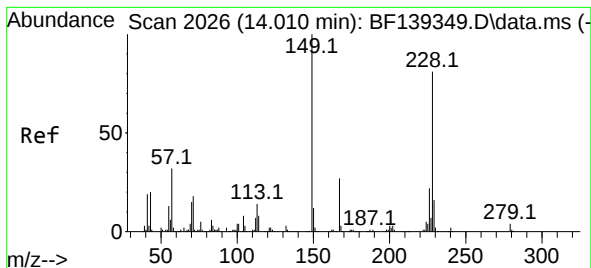
Tgt Ion:228 Resp: 163991
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.2 15.7 23.5



#83
Chrysene
Concen: 22.362 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

Tgt Ion:228 Resp: 169002
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 21.3 15.4 23.0

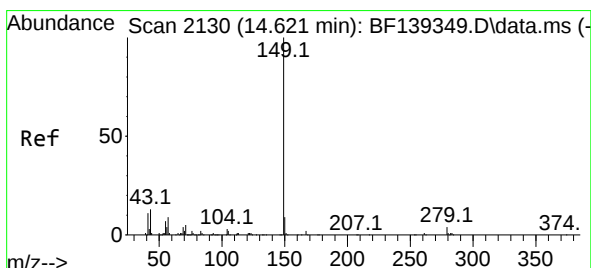
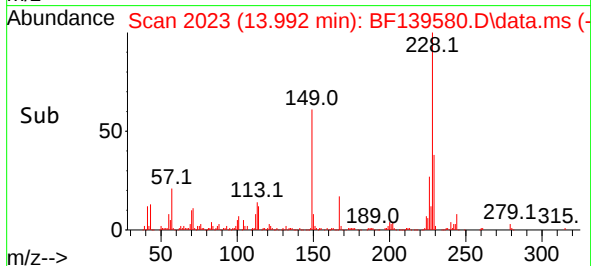
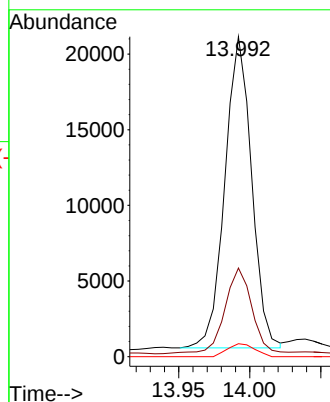
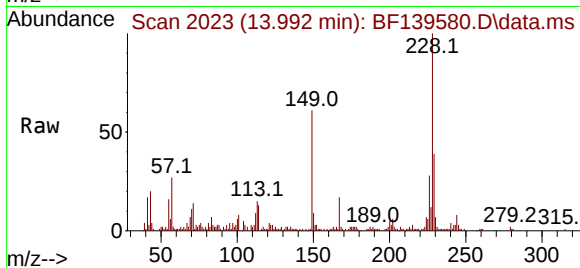




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.827 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

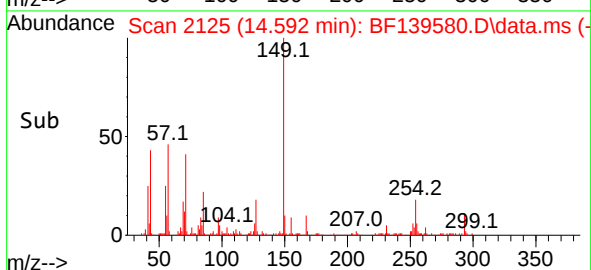
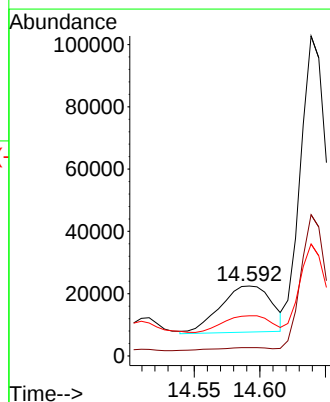
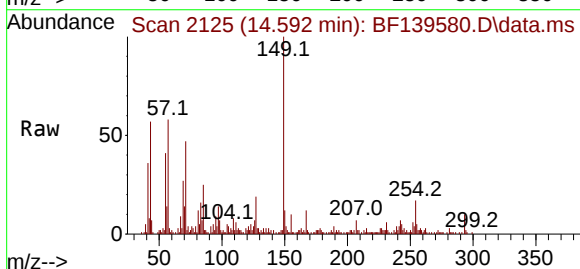
Instrument :
BNA_F
ClientSampleId :
ETGI-355

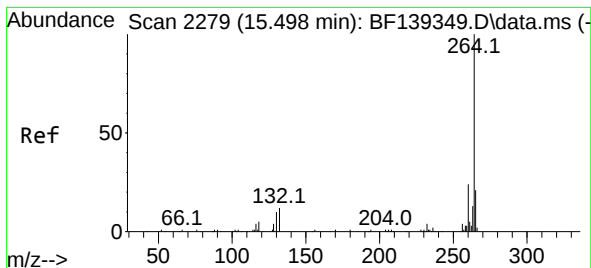
Tgt Ion:149 Resp: 26865
Ion Ratio Lower Upper
149 100
167 27.7 21.6 32.4
279 4.0 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 5.954 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.030 min
Lab File: BF139580.D
Acq: 30 Sep 2024 15:57

Tgt Ion:149 Resp: 40431
Ion Ratio Lower Upper
149 100
167 5.3 1.2 1.8#
43 48.1 10.6 16.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

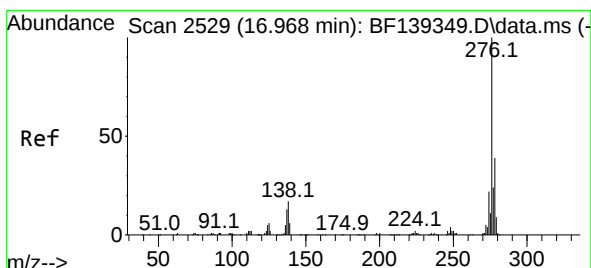
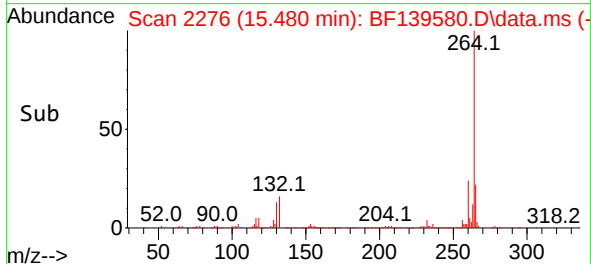
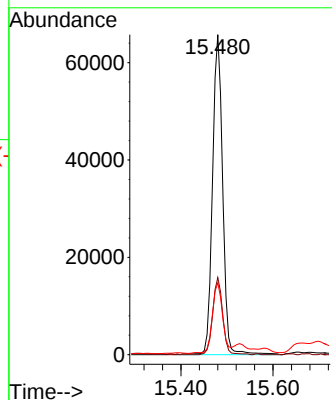
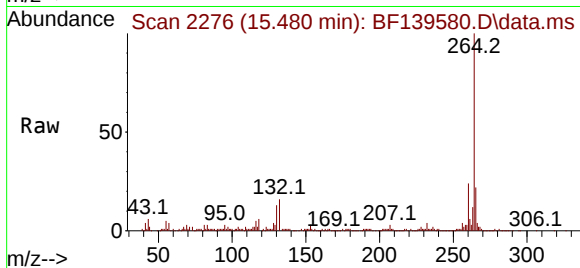
Tgt Ion:264 Resp: 100901

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.5 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.415 ng

RT: 16.933 min Scan# 2523

Delta R.T. -0.035 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

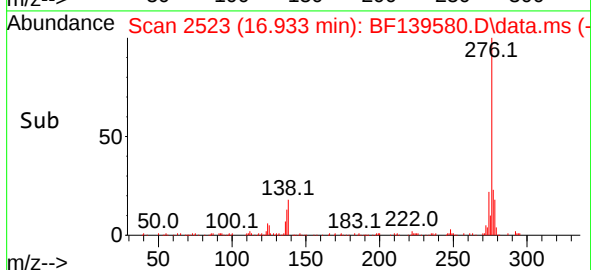
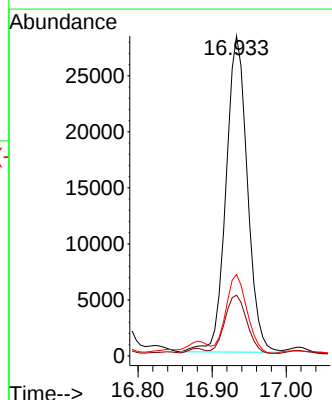
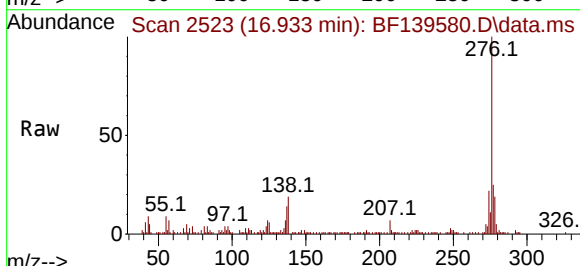
Tgt Ion:276 Resp: 56488

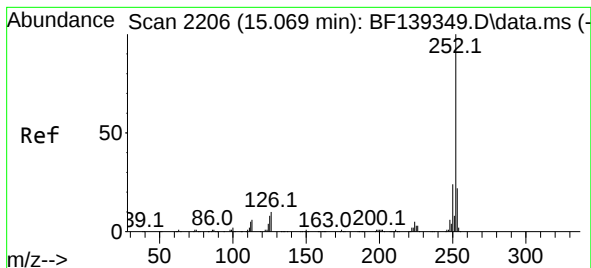
Ion Ratio Lower Upper

276 100

138 19.3 15.4 23.2

277 24.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 46.044 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

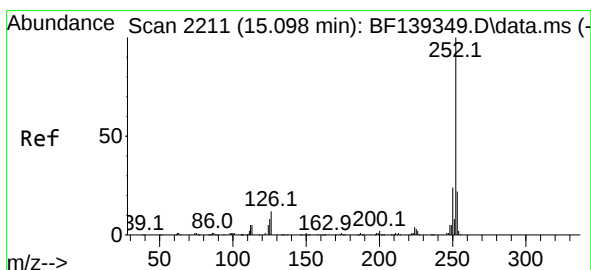
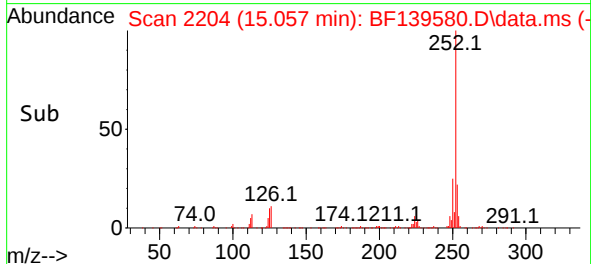
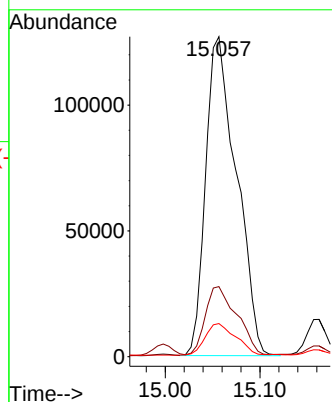
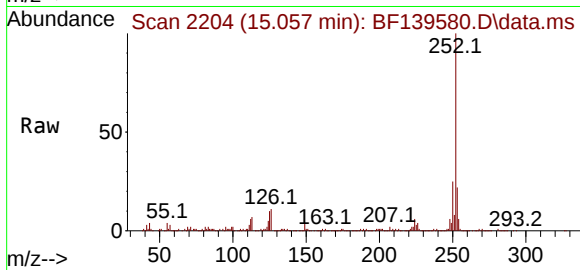
Tgt Ion:252 Resp: 286531

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.3 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 49.938 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.041 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

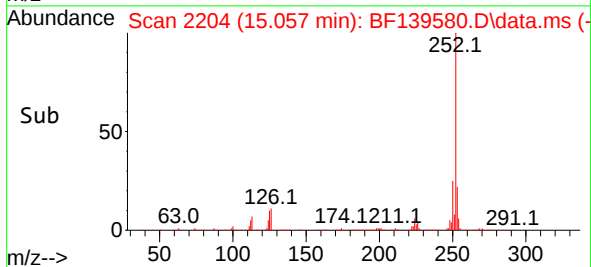
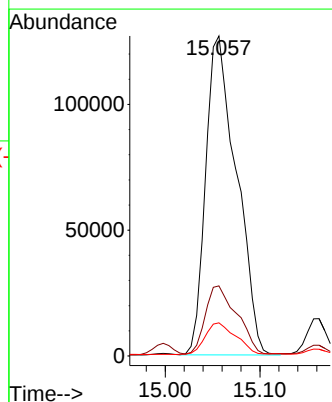
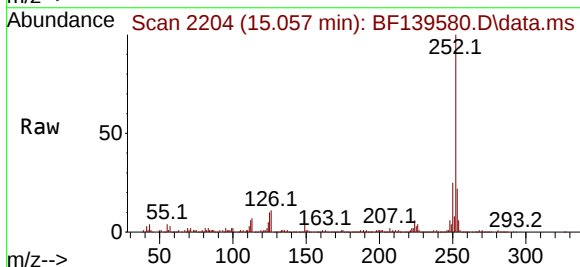
Tgt Ion:252 Resp: 286531

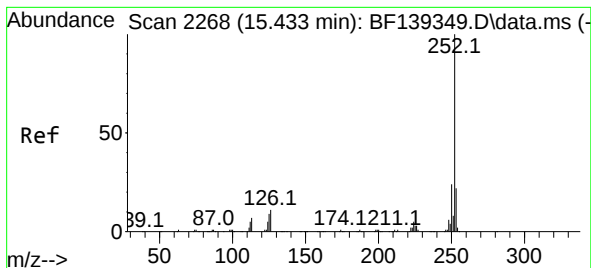
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.3 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 19.495 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

Instrument :

BNA_F

ClientSampleId :

ETGI-355

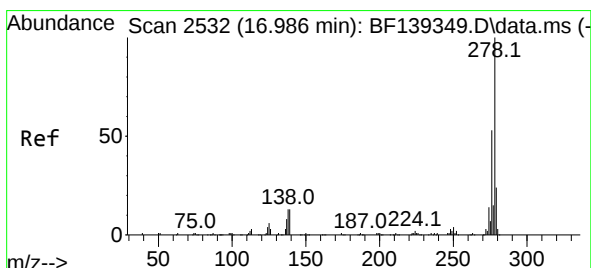
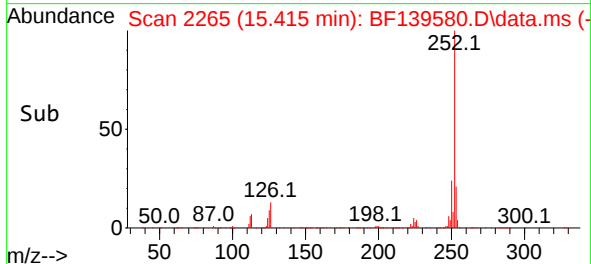
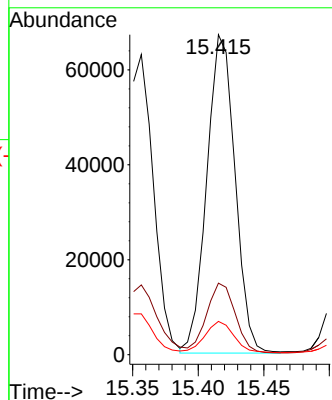
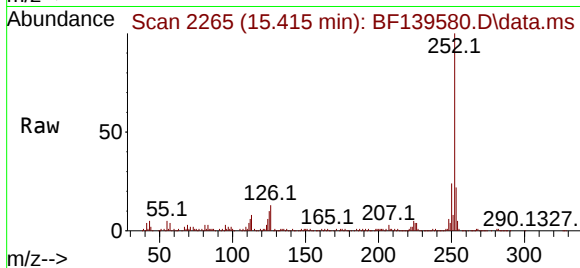
Tgt Ion:252 Resp: 100614

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 10.4 6.8 10.2#



#91

Dibenzo(a,h)anthracene

Concen: 3.046 ng

RT: 16.939 min Scan# 2524

Delta R.T. -0.047 min

Lab File: BF139580.D

Acq: 30 Sep 2024 15:57

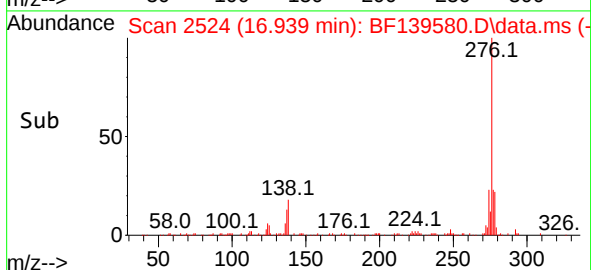
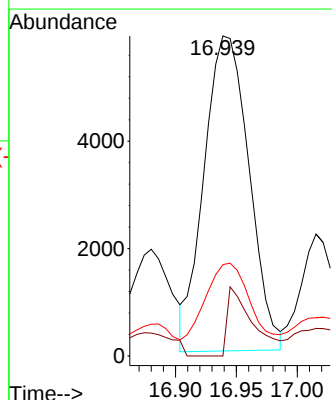
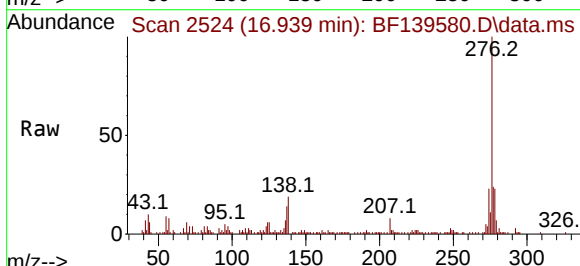
Tgt Ion:278 Resp: 15104

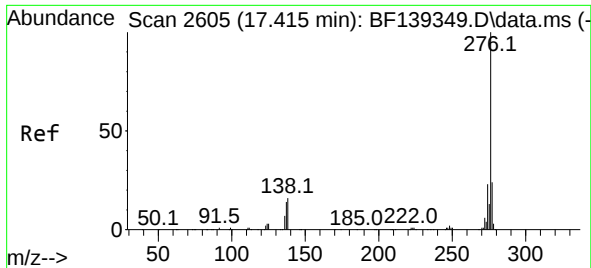
Ion Ratio Lower Upper

278 100

139 0.0 10.2 15.2#

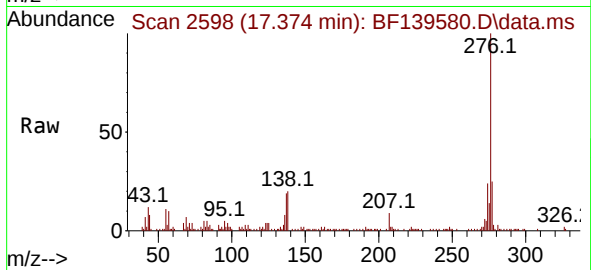
279 28.5 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 10.679 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF139580.D
 Acq: 30 Sep 2024 15:57

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-355



Tgt Ion:	276	Resp:	52422
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.9	28.3
138	20.0	13.0	19.6#

