

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139582.D
 Acq On : 30 Sep 2024 17:30
 Operator : RC/JU
 Sample : P4192-03RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-355RE

Quant Time: Sep 30 17:52:16 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)

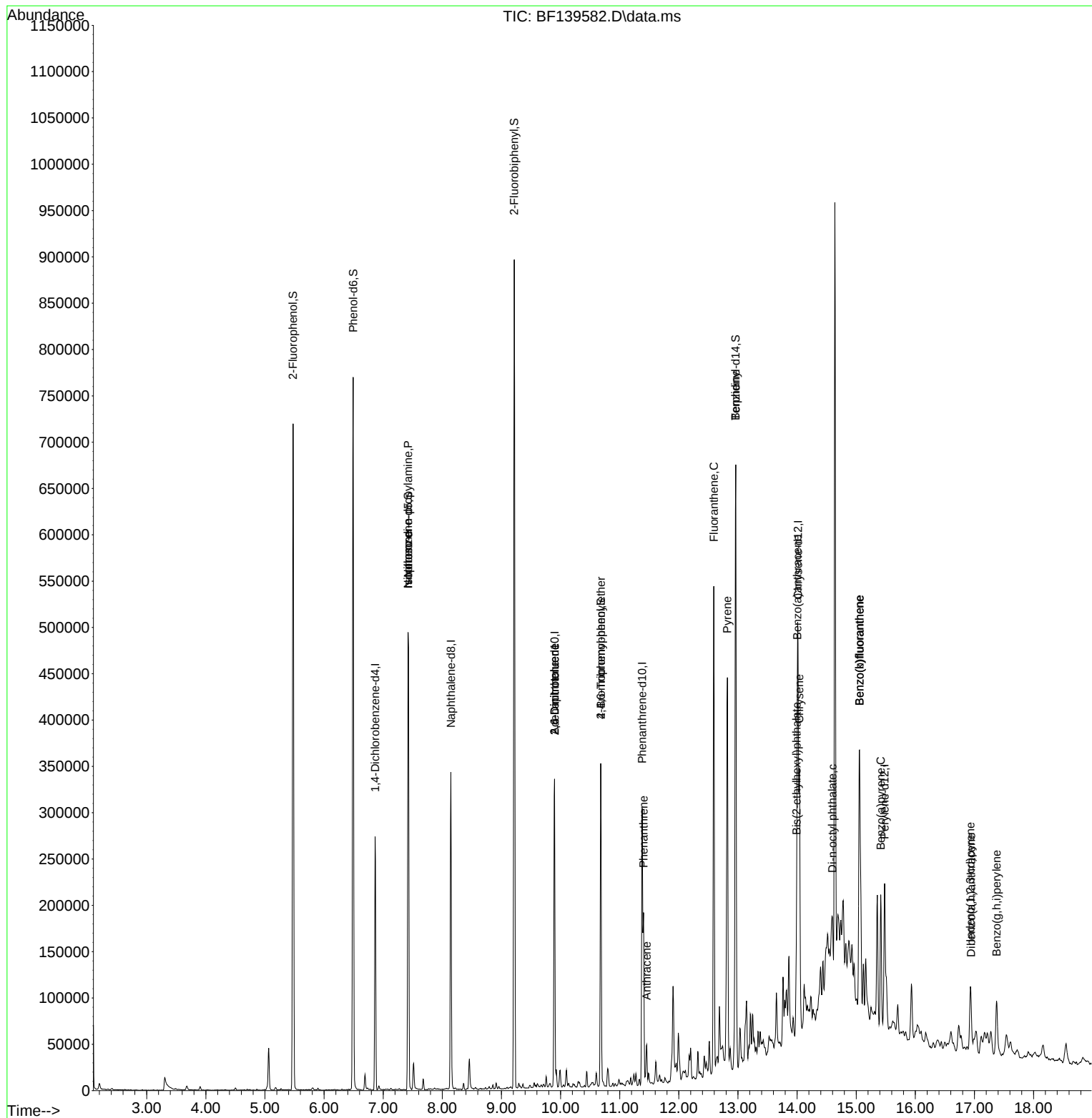
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	53808	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	196758	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	95761	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	151388	20.000	ng	#-0.02
76) Chrysene-d12	14.015	240	111773	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	85703	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	236683	71.757	ng	-0.02
7) Phenol-d6	6.492	99	316713	73.155	ng	-0.01
23) Nitrobenzene-d5	7.422	82	205803	49.173	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	48838	47.904	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	370907	54.323	ng	-0.02
79) Terphenyl-d14	12.963	244	300817	44.175	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	28099	10.953	ng	# 75
25) Isophorone	7.422	82	205801	31.092	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	12332	8.857	ng	# 15
57) 2,4-Dinitrotoluene	9.898	165	12332	6.560	ng	# 17
67) 4-Bromophenyl-phenylether	10.680	248	3813	2.542	ng	# 1
71) Phenanthrene	11.404	178	89621	12.270	ng	100
72) Anthracene	11.457	178	24759	3.467	ng	99
75) Fluoranthene	12.592	202	288638	37.005	ng	98
77) Benzidine	12.963	184	4496	2.808	ng	# 88
78) Pyrene	12.821	202	243782	25.401	ng	99
81) Benzo(a)anthracene	14.004	228	148386	20.042	ng	96
83) Chrysene	14.039	228	152359	22.368	ng	97
84) Bis(2-ethylhexyl)phtha...	13.992	149	23702	5.704	ng	99
85) Di-n-octyl phthalate	14.598	149	32917	5.379	ng	# 30
87) Indeno(1,2,3-cd)pyrene	16.933	276	49269	9.668	ng	98
88) Benzo(b)fluoranthene	15.057	252	244750	46.305	ng	# 98
89) Benzo(k)fluoranthene	15.057	252	244750	50.221	ng	# 97
90) Benzo(a)pyrene	15.415	252	84495	19.275	ng	# 97
91) Dibenzo(a,h)anthracene	16.945	278	12985	3.084	ng	# 87
92) Benzo(g,h,i)perylene	17.374	276	46113	11.060	ng	# 93

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

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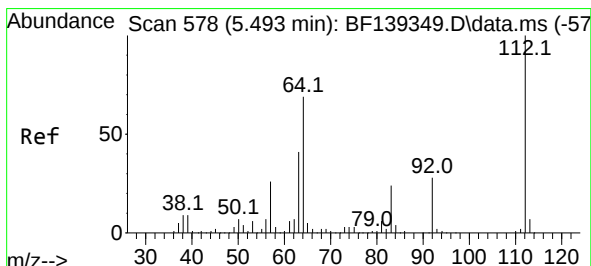
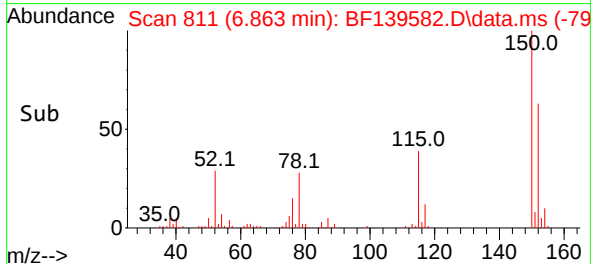
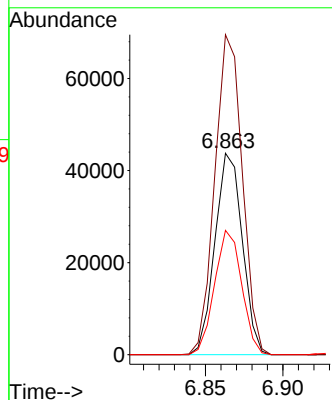
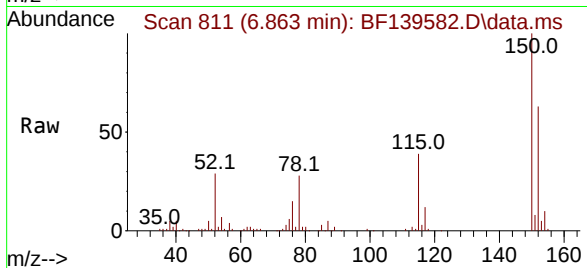




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

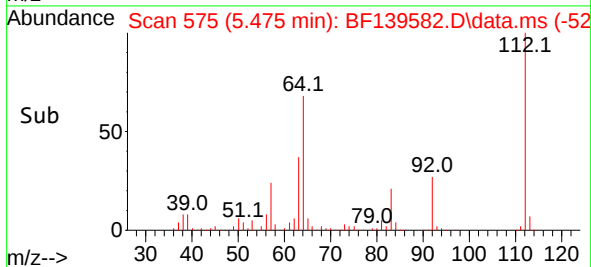
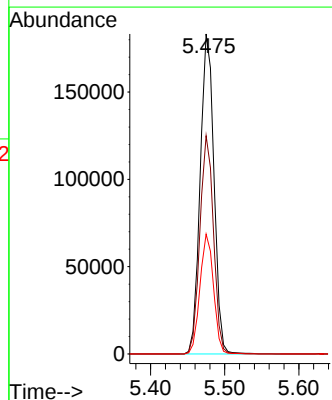
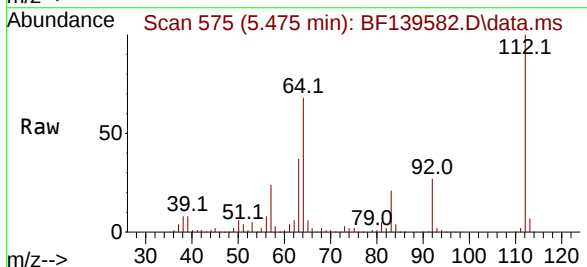
Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

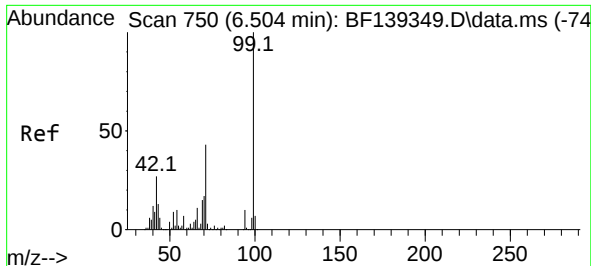
Tgt Ion:152 Resp: 53808
Ion Ratio Lower Upper
152 100
150 158.9 124.1 186.1
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 71.757 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:112 Resp: 236683
Ion Ratio Lower Upper
112 100
64 68.2 54.8 82.2
63 37.4 33.0 49.4

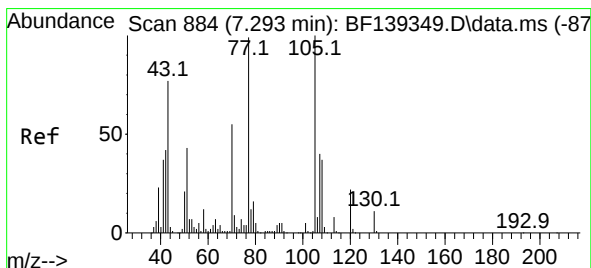
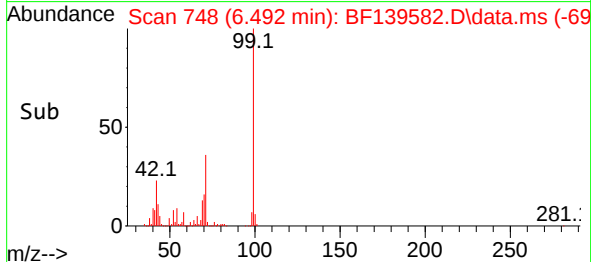
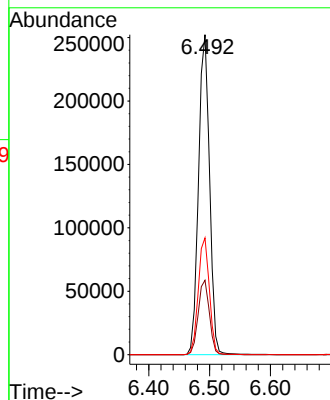
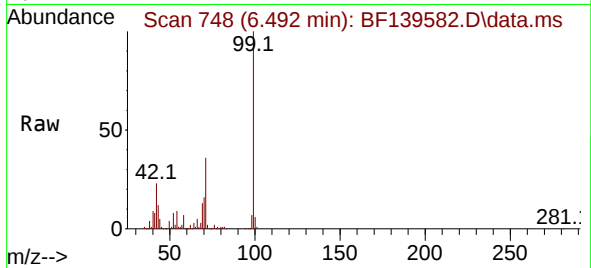




#7
Phenol-d6
Concen: 73.155 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

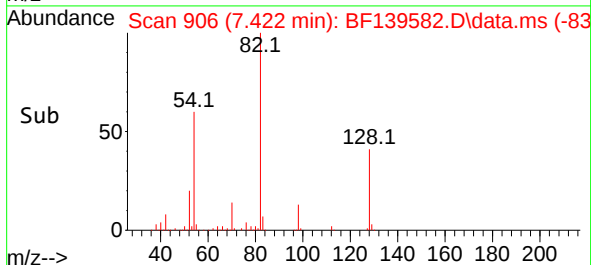
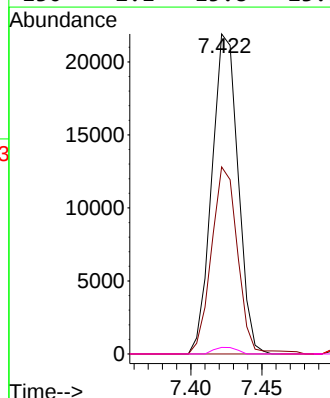
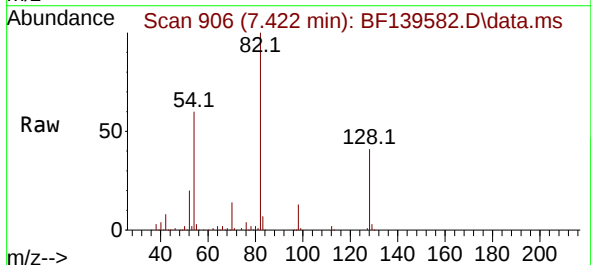
Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

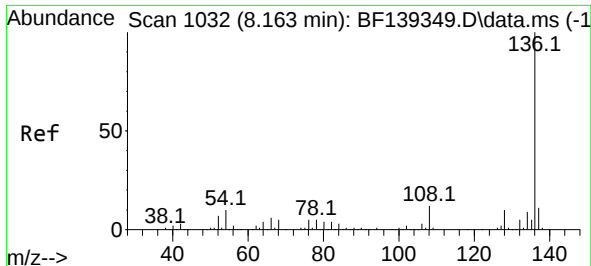
Tgt Ion: 99 Resp: 316713
Ion Ratio Lower Upper
99 100
42 23.3 21.9 32.9
71 36.5 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.953 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.129 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion: 70 Resp: 28099
Ion Ratio Lower Upper
70 100
42 58.5 61.2 91.8#
101 0.0 7.5 11.3#
130 2.1 15.8 23.8#

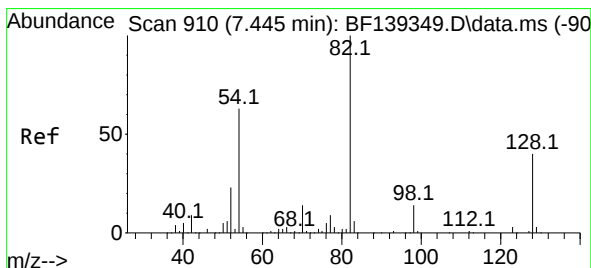
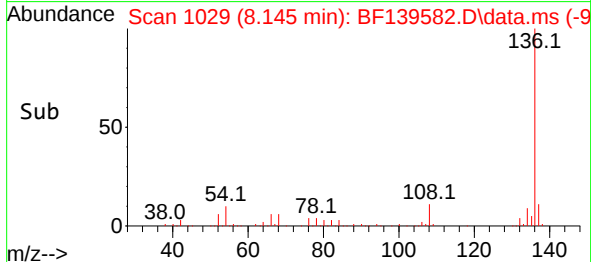
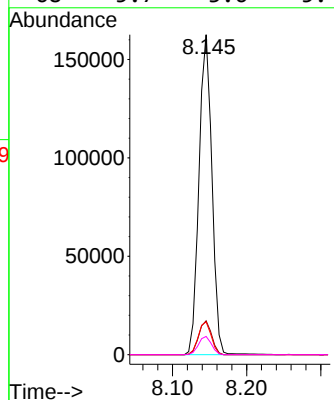
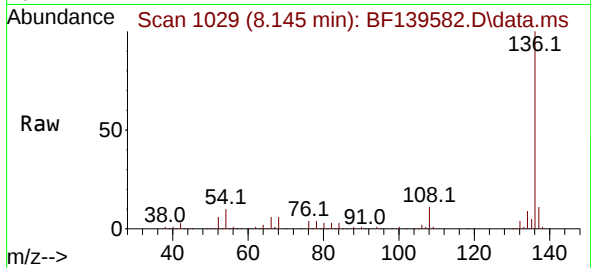




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

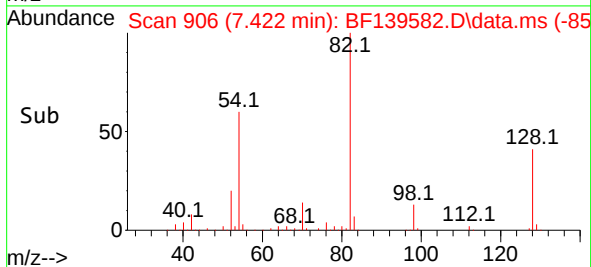
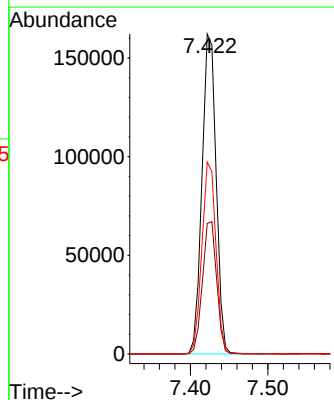
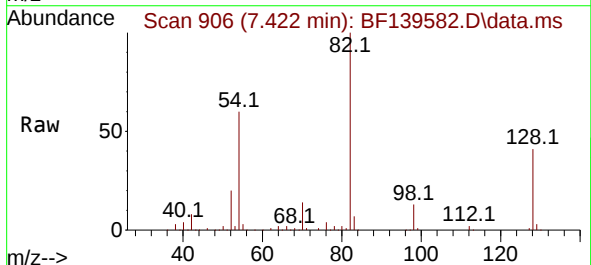
Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

Tgt Ion:136	Resp: 196758
Ion Ratio	Lower Upper
136 100	
137 10.6	8.6 12.8
54 10.3	7.8 11.8
68 5.7	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 49.173 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.024 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion: 82	Resp: 205803
Ion Ratio	Lower Upper
82 100	
128 40.8	31.8 47.6
54 60.0	50.6 75.8

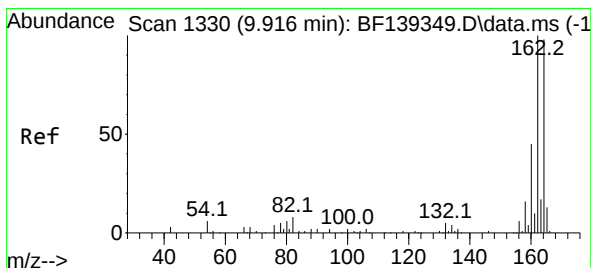
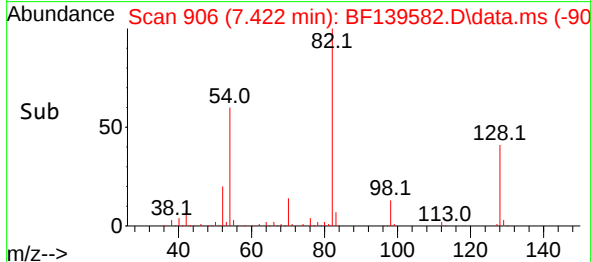
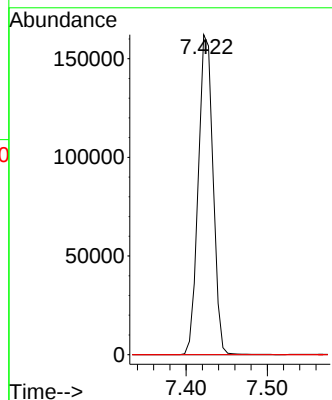
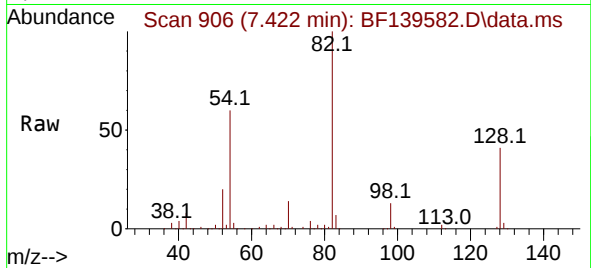




#25
Isophorone
Concen: 31.092 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

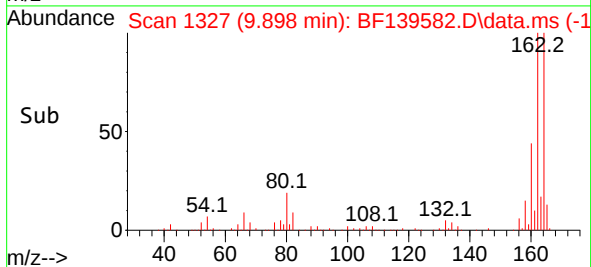
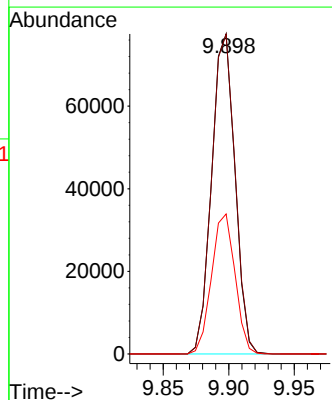
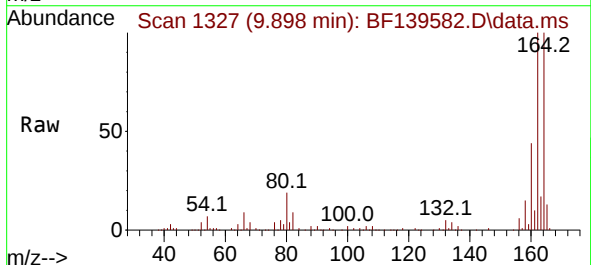
Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

Tgt Ion: 82 Resp: 205801
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: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:164 Resp: 95761
Ion Ratio Lower Upper
164 100
162 99.9 81.3 121.9
160 43.8 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 47.904 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

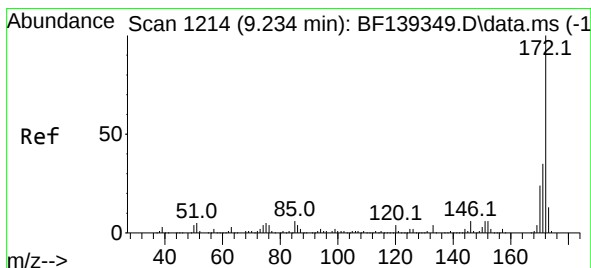
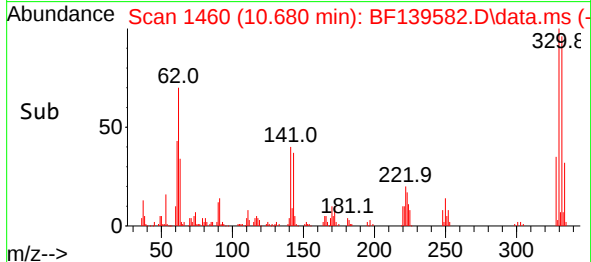
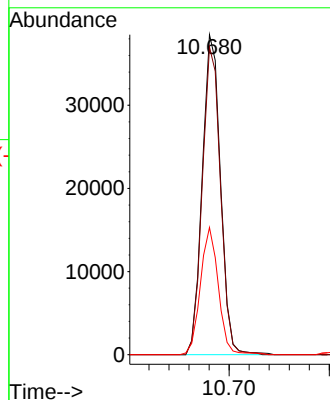
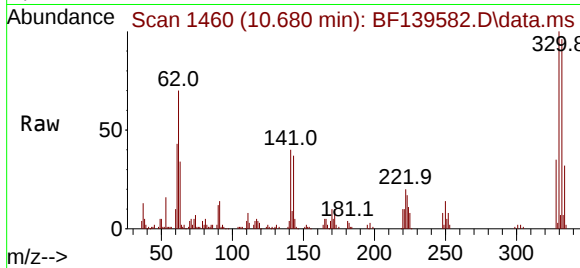
Tgt Ion:330 Resp: 48838

Ion Ratio Lower Upper

330 100

332 95.8 75.2 112.8

141 39.1 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 54.323 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

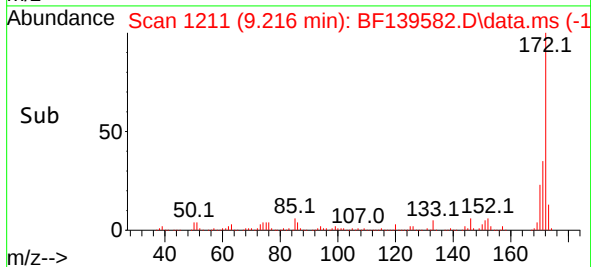
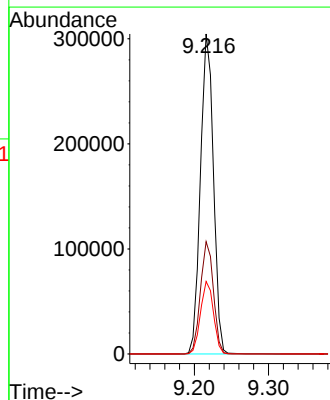
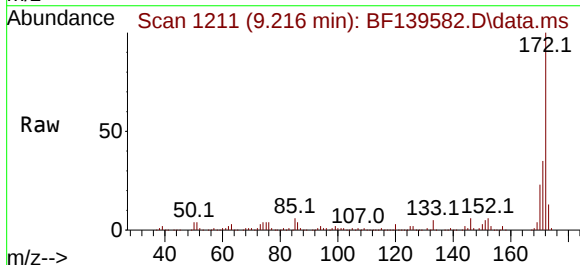
Tgt Ion:172 Resp: 370907

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 22.7 19.0 28.6

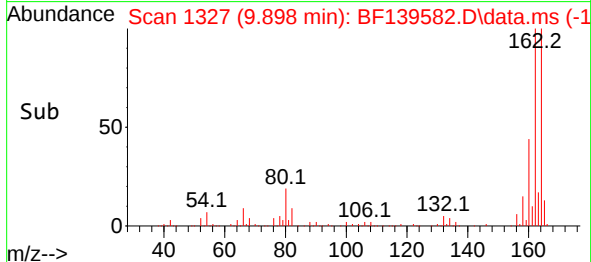
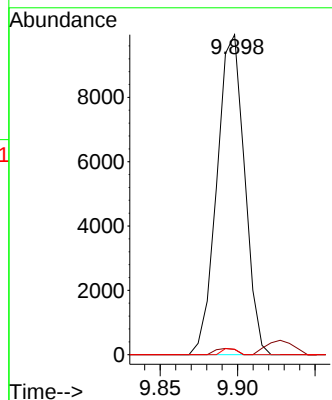
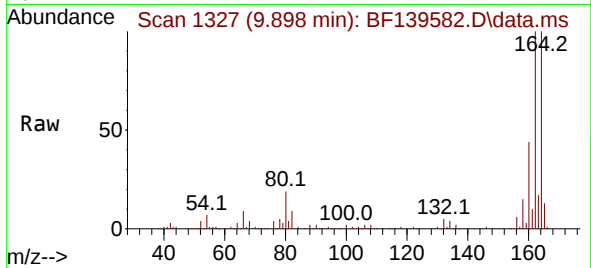




#51
2,6-Dinitrotoluene
Concen: 8.857 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

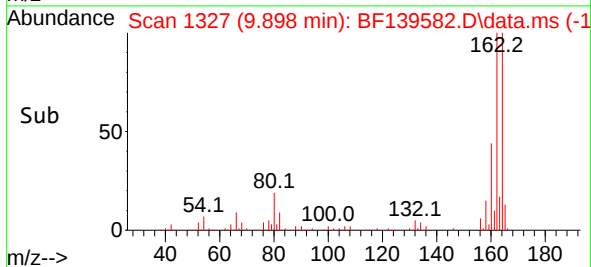
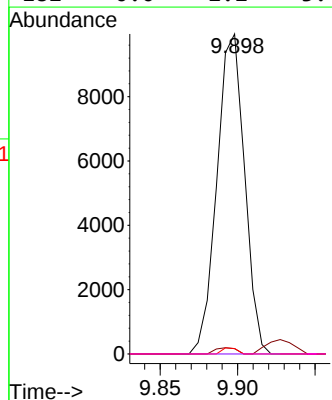
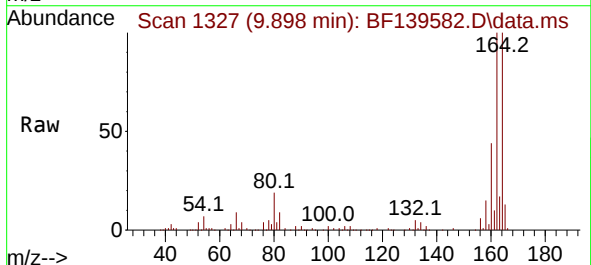
Instrument :
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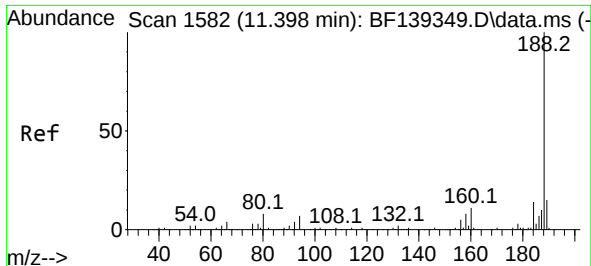
Tgt Ion:165 Resp: 12332
Ion Ratio Lower Upper
165 100
63 1.7 60.9 91.3#
89 1.7 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.560 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:165 Resp: 12332
Ion Ratio Lower Upper
165 100
63 1.7 47.8 71.6#
89 1.7 66.7 100.1#
182 0.0 2.2 3.4#

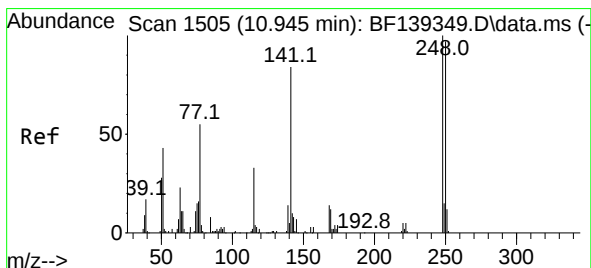
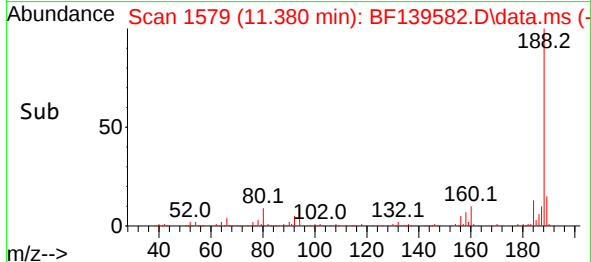
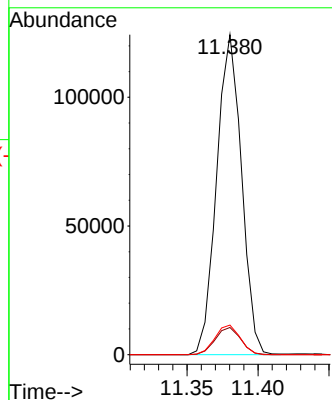
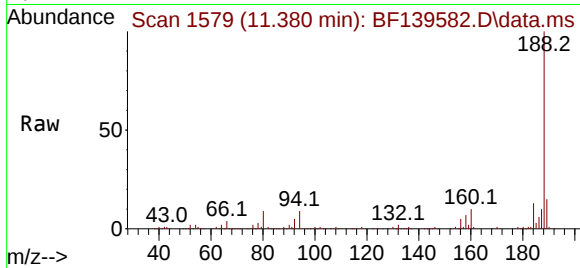




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

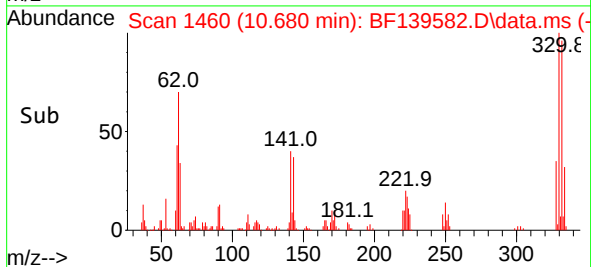
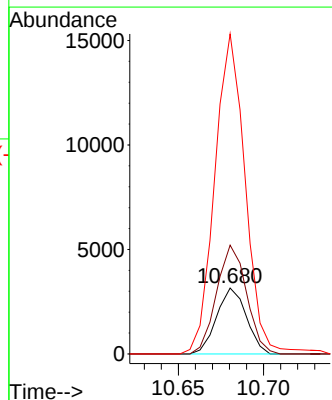
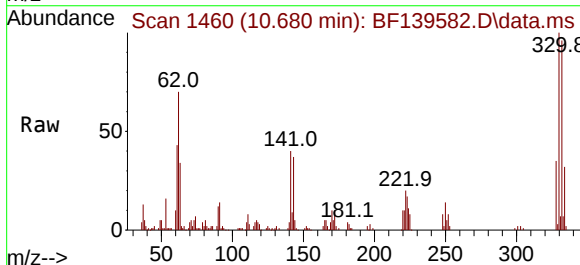
Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

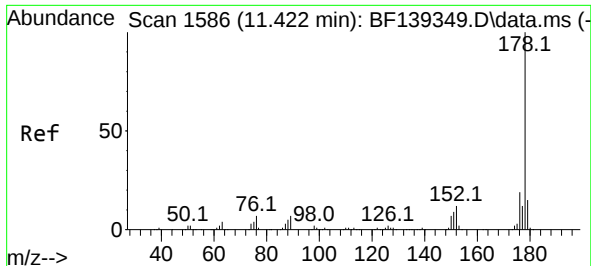
Tgt Ion:188 Resp: 151388
Ion Ratio Lower Upper
188 100
94 8.5 5.5 8.3#
80 9.3 6.6 9.8



#67
4-Bromophenyl-phenylether
Concen: 2.542 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.265 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:248 Resp: 3813
Ion Ratio Lower Upper
248 100
250 165.0 77.6 116.4#
141 485.4 66.9 100.3#



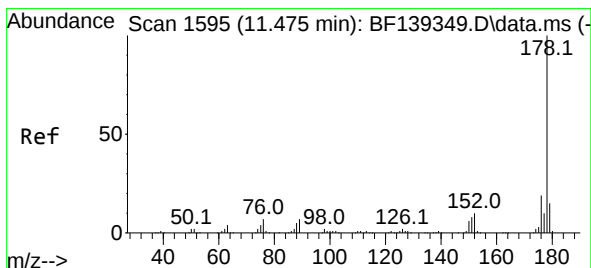
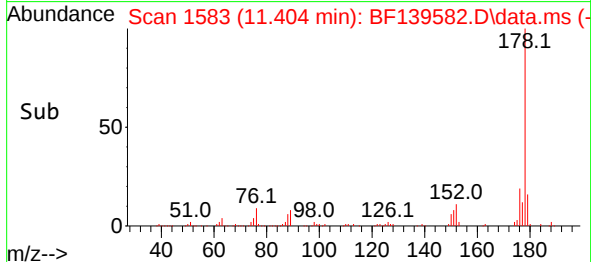
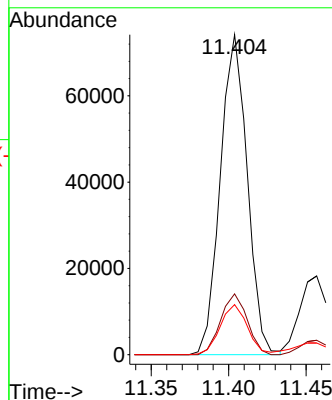
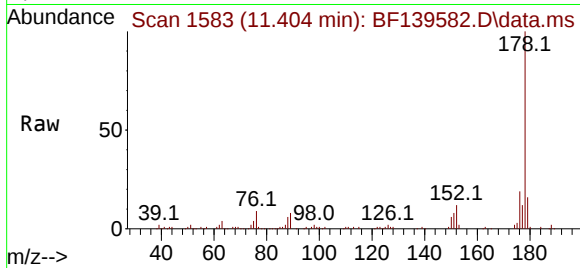


#71
Phenanthrene
Concen: 12.270 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Instrument : BNA_F
ClientSampleId : ETGI-355RE

Tgt Ion:178 Resp: 89621

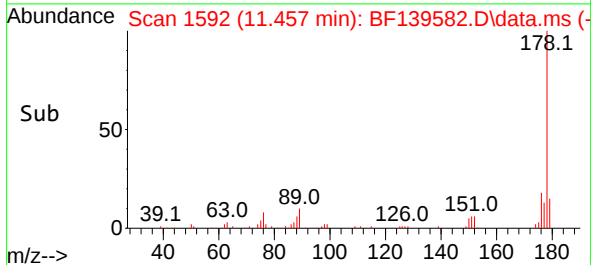
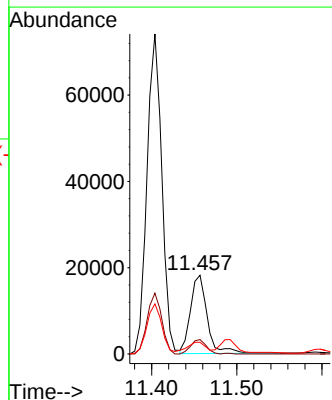
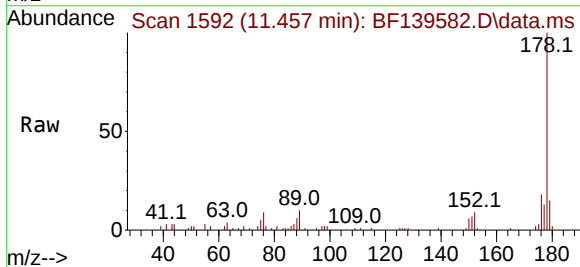
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.6	12.2	18.4

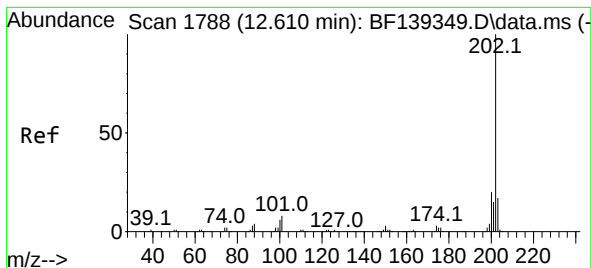


#72
Anthracene
Concen: 3.467 ng
RT: 11.457 min Scan# 1592
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:178 Resp: 24759

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	14.9	12.0	18.0





#75

Fluoranthene

Concen: 37.005 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

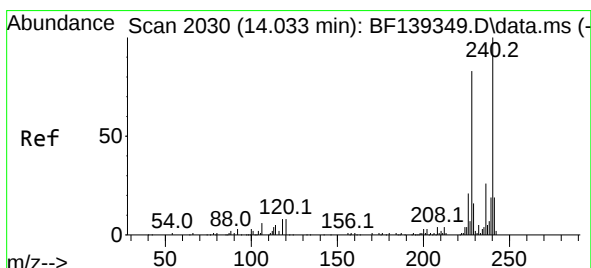
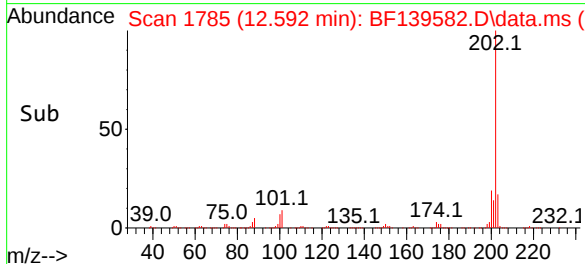
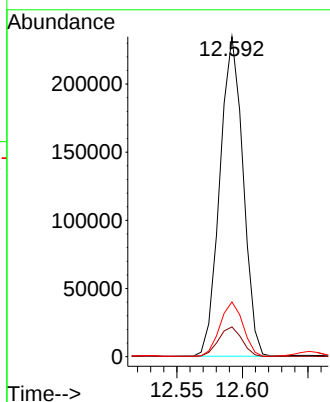
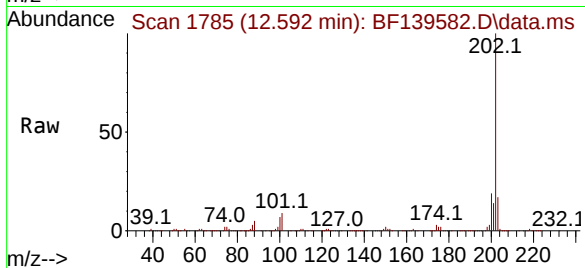
Tgt Ion:202 Resp: 288638

Ion Ratio Lower Upper

202 100

101 9.3 0.0 27.7

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

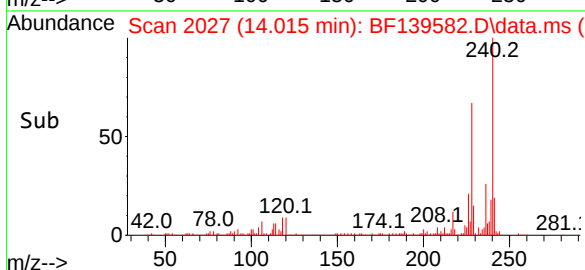
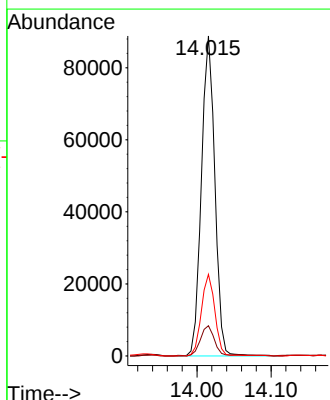
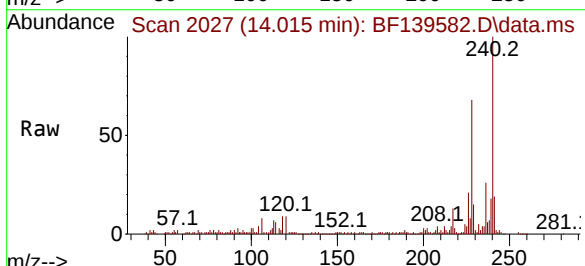
Tgt Ion:240 Resp: 111773

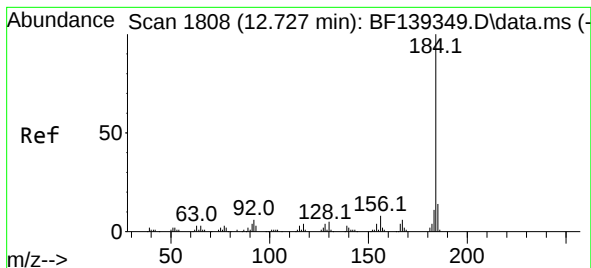
Ion Ratio Lower Upper

240 100

120 9.5 6.2 9.2#

236 25.5 20.9 31.3





#77

Benzidine

Concen: 2.808 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.235 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

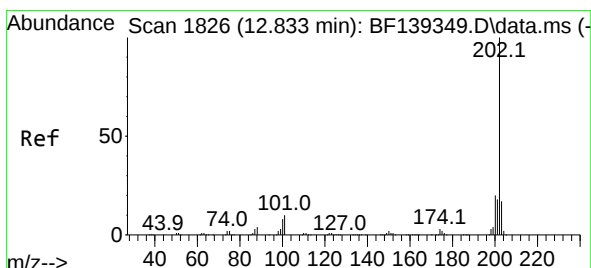
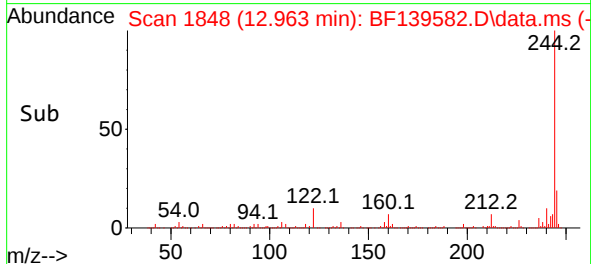
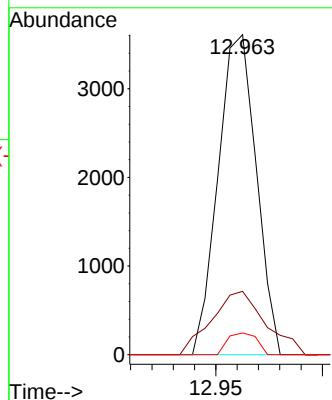
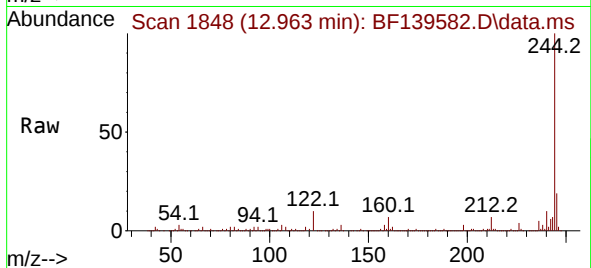
Tgt Ion:184 Resp: 4496

Ion Ratio Lower Upper

184 100

185 19.8 11.5 17.3#

183 6.8 8.9 13.3#



#78

Pyrene

Concen: 25.401 ng

RT: 12.821 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

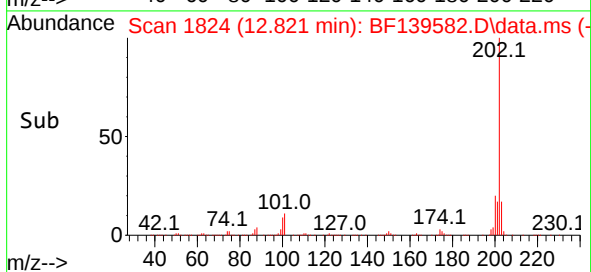
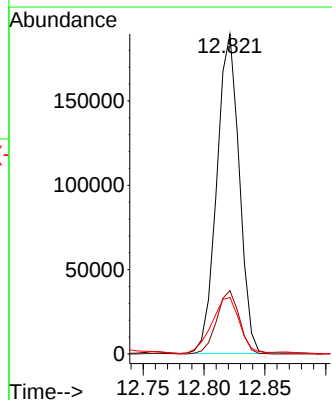
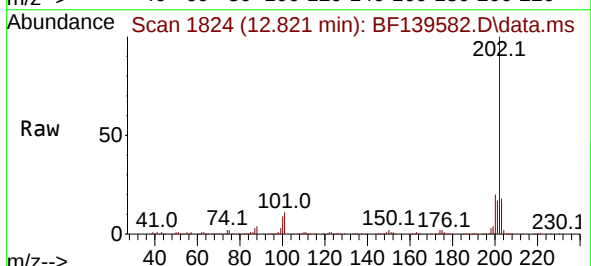
Tgt Ion:202 Resp: 243782

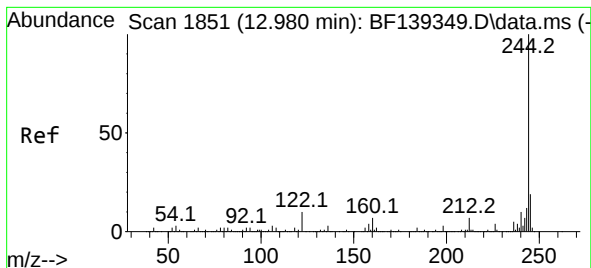
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 44.175 ng

RT: 12.963 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

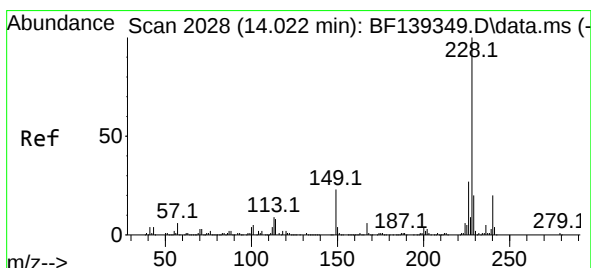
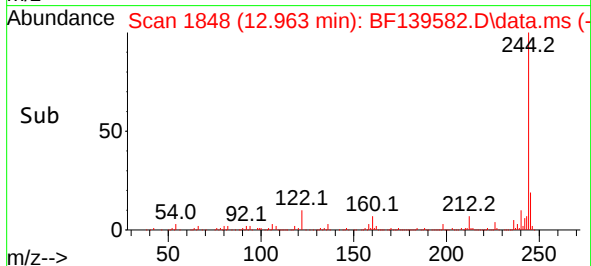
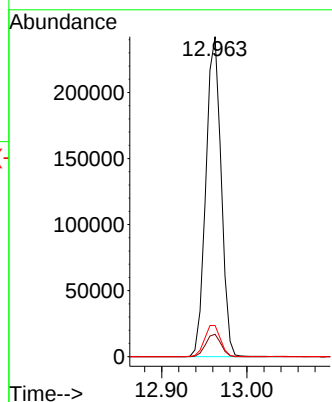
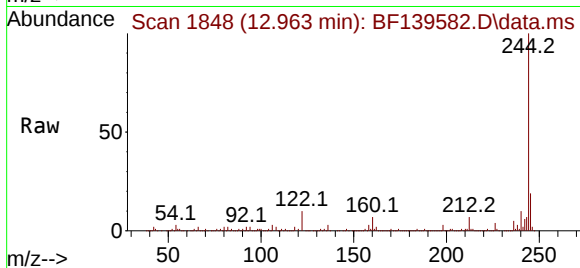
Tgt Ion:244 Resp: 300817

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 20.042 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

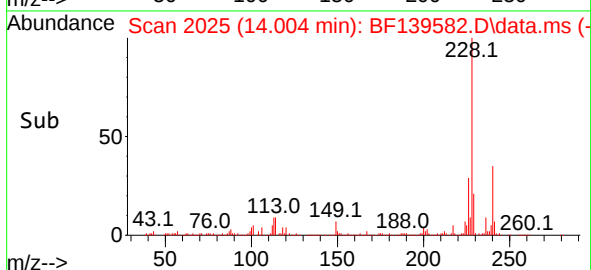
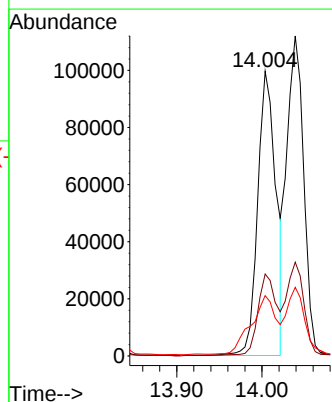
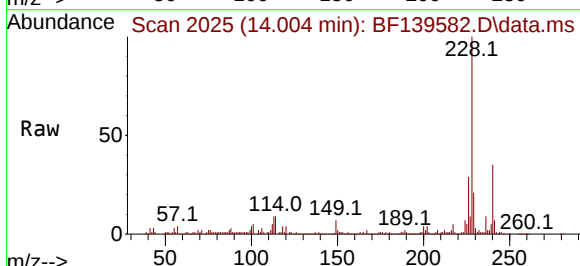
Tgt Ion:228 Resp: 148386

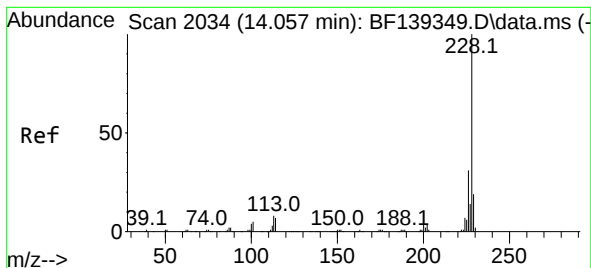
Ion Ratio Lower Upper

228 100

226 28.8 21.6 32.4

229 21.2 15.7 23.5





#83

Chrysene

Concen: 22.368 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

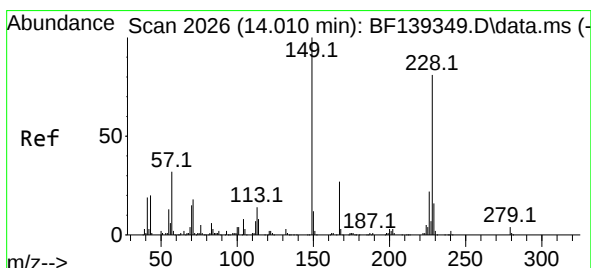
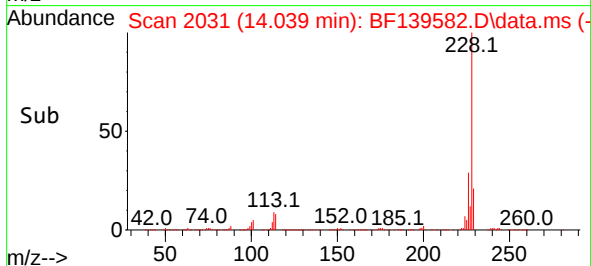
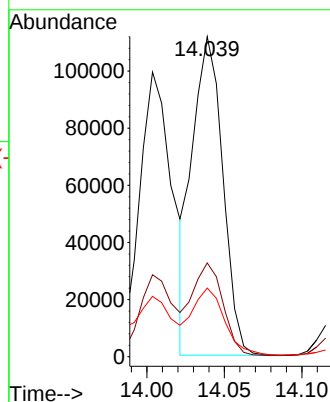
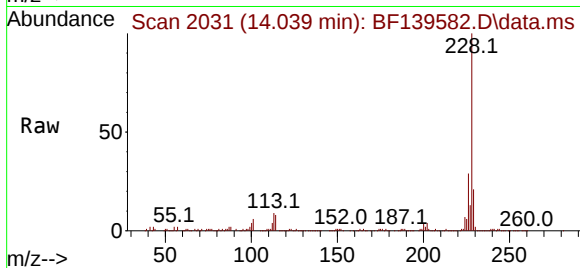
Tgt Ion:228 Resp: 152359

Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 21.4 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.704 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

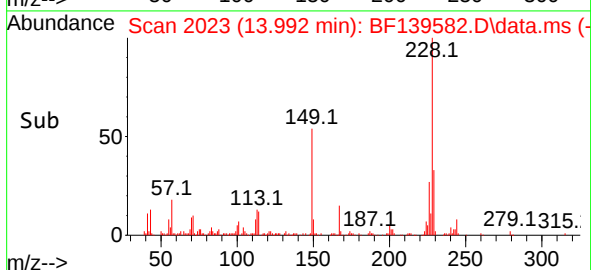
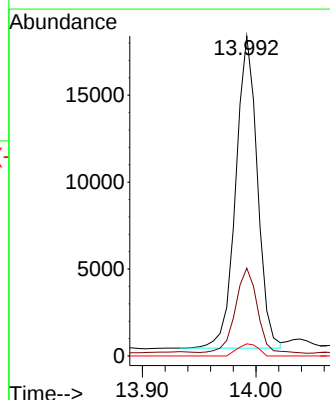
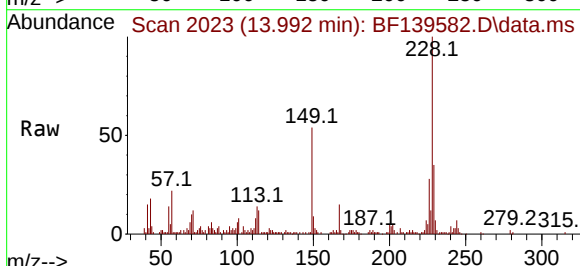
Tgt Ion:149 Resp: 23702

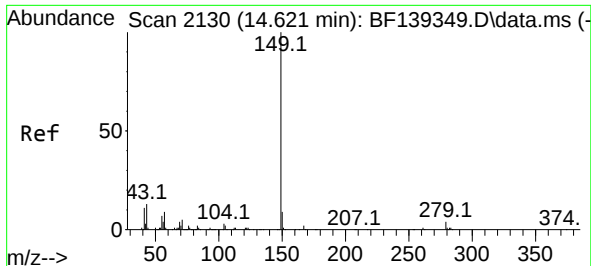
Ion Ratio Lower Upper

149 100

167 27.5 21.6 32.4

279 3.8 3.3 4.9

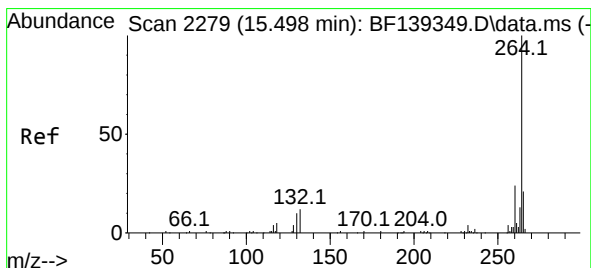
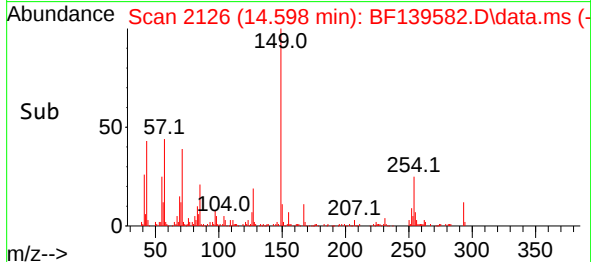
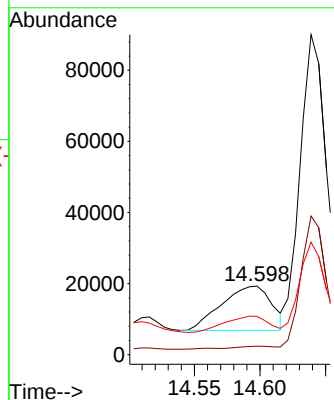
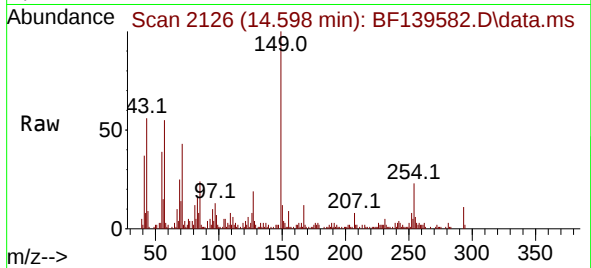




#85
Di-n-octyl phthalate
Concen: 5.379 ng
RT: 14.598 min Scan# 2130
Delta R.T. -0.024 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

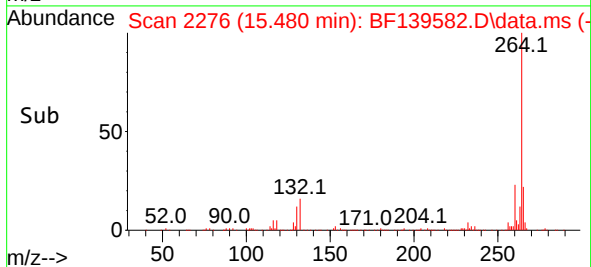
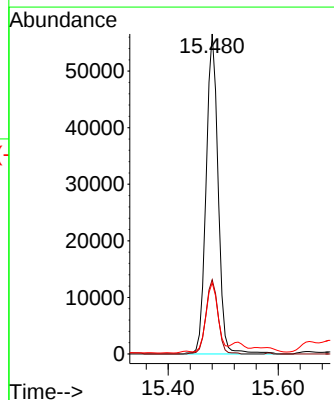
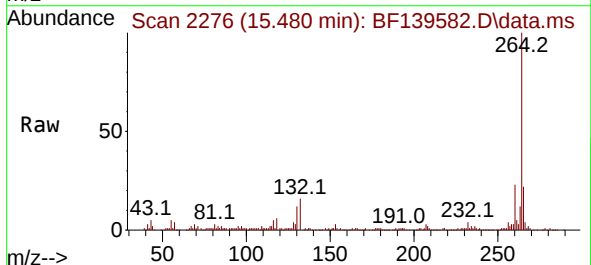
Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

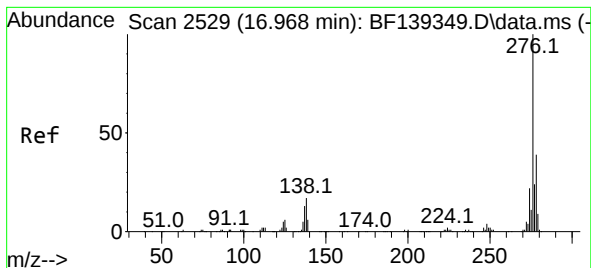
Tgt Ion:149 Resp: 32917
Ion Ratio Lower Upper
149 100
167 5.5 1.2 1.8#
43 43.9 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:264 Resp: 85703
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.668 ng

RT: 16.933 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

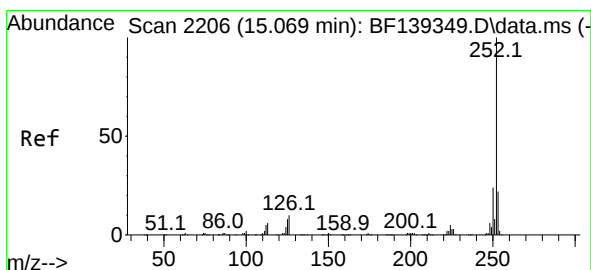
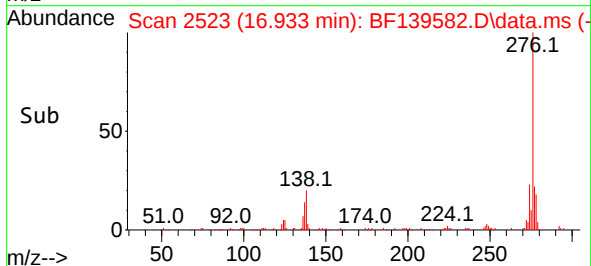
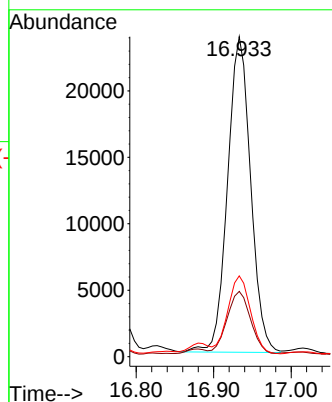
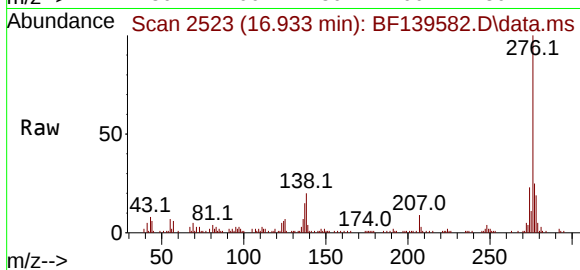
Tgt Ion:276 Resp: 49269

Ion Ratio Lower Upper

276 100

138 19.9 15.4 23.2

277 24.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 46.305 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

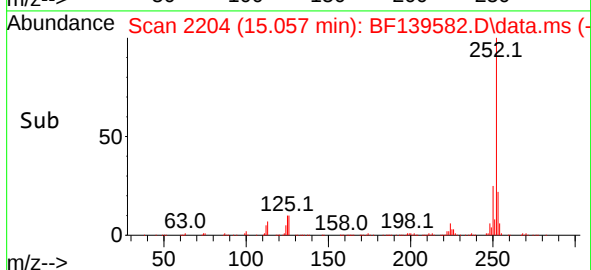
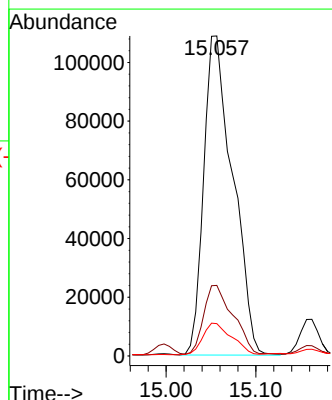
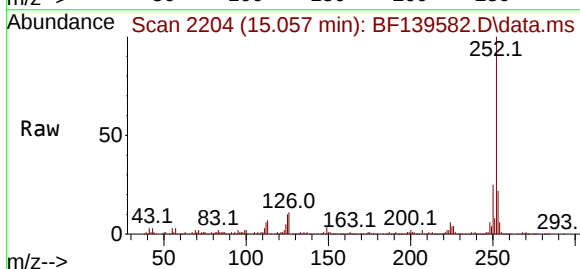
Tgt Ion:252 Resp: 244750

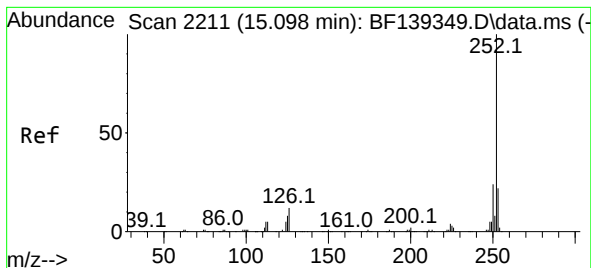
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.1 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 50.221 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

Instrument :

BNA_F

ClientSampleId :

ETGI-355RE

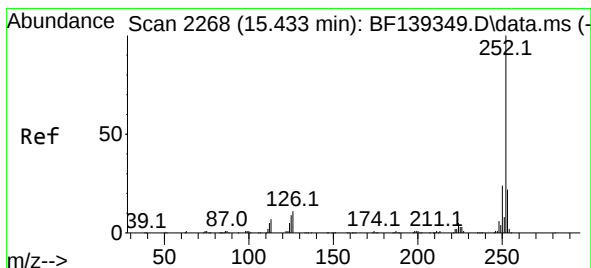
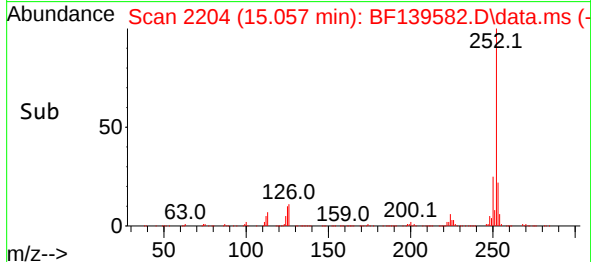
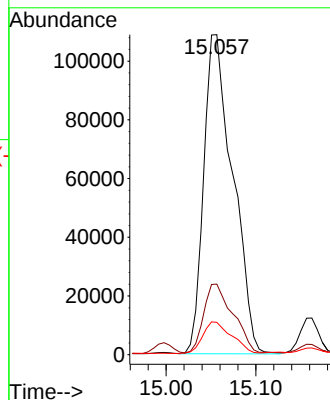
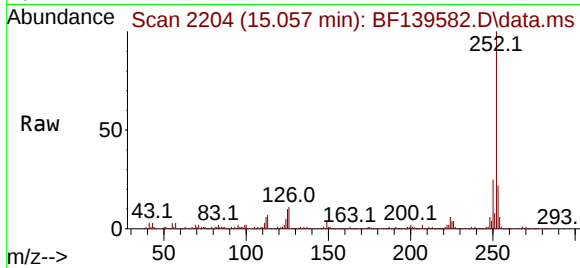
Tgt Ion:252 Resp: 244750

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 10.1 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 19.275 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.018 min

Lab File: BF139582.D

Acq: 30 Sep 2024 17:30

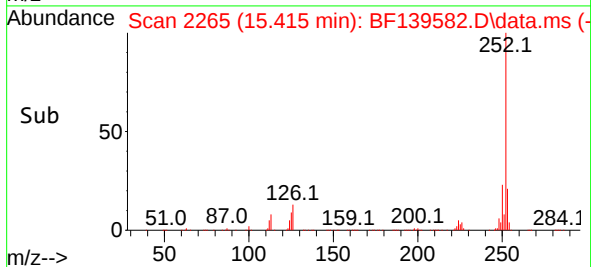
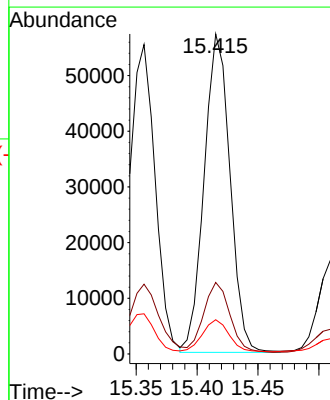
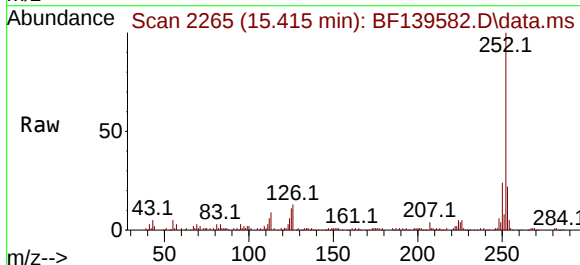
Tgt Ion:252 Resp: 84495

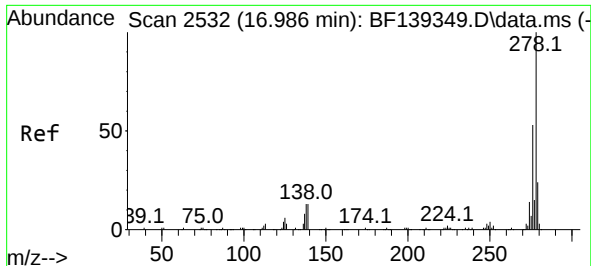
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.7 6.8 10.2#

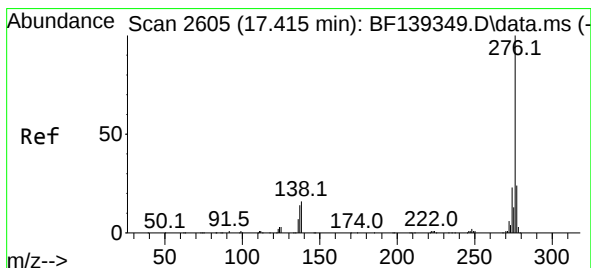
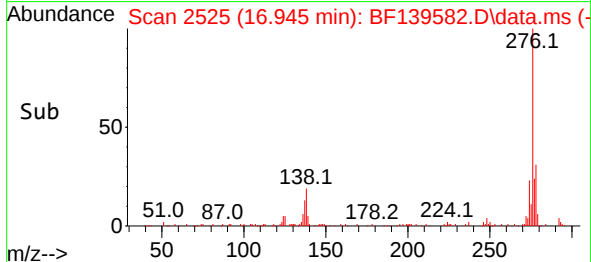
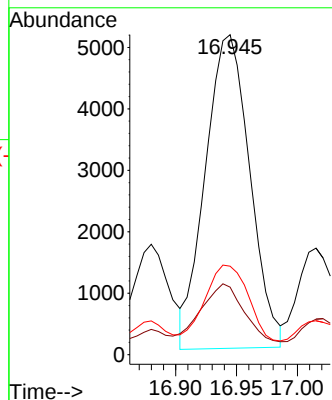
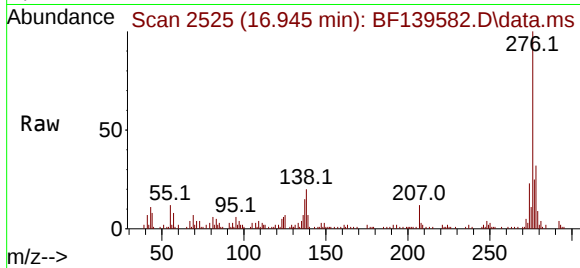




#91
Dibenzo(a,h)anthracene
Concen: 3.084 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Instrument :
BNA_F
ClientSampleId :
ETGI-355RE

Tgt Ion:278 Resp: 12985
Ion Ratio Lower Upper
278 100
139 21.1 10.2 15.2#
279 27.7 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 11.060 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF139582.D
Acq: 30 Sep 2024 17:30

Tgt Ion:276 Resp: 46113
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 22.0 13.0 19.6#

