

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139275.D
 Acq On : 06 Sep 2024 14:02
 Operator : RC/JU
 Sample : P3852-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI356

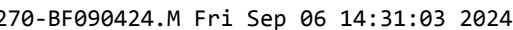
Quant Time: Sep 06 14:28:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

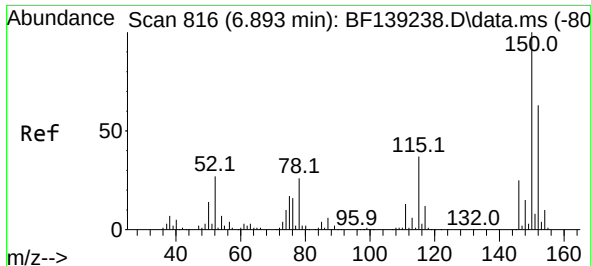
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	99421	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	327157	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	148854	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	225859	20.000	ng	# 0.01
76) Chrysene-d12	14.104	240	114828	20.000	ng	# 0.05
86) Perylene-d12	15.580	264	106765	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	415777	69.959	ng	0.00
7) Phenol-d6	6.510	99	527450	66.480	ng	0.00
23) Nitrobenzene-d5	7.445	82	318577	50.658	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	90112	70.105	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	499954	51.846	ng	0.00
79) Terphenyl-d14	13.045	244	376906	52.996	ng	0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	43577	9.537	ng	# 78
25) Isophorone	7.445	82	316361	29.425	ng	# 67
50) Dimethylphthalate	9.592	163	42705	4.733	ng	# 84
51) 2,6-Dinitrotoluene	9.680	165	6143	3.001	ng	# 30
54) 2,4-Dinitrophenol	9.974	184	54	7.571	ng	# 1
63) Azobenzene	10.639	77	38714	4.137	ng	# 40
71) Phenanthrene	11.451	178	169526	16.067	ng	# 81
72) Anthracene	11.504	178	24690	2.395	ng	# 23
73) Carbazole	11.651	167	23043	2.392	ng	# 1
74) Di-n-butylphthalate	11.992	149	52898	5.363	ng	# 50
75) Fluoranthene	12.668	202	477666	45.157	ng	94
78) Pyrene	12.898	202	370115	33.366	ng	# 93
80) Butylbenzylphthalate	13.510	149	7475	2.863	ng	86
81) Benzo(a)anthracene	14.098	228	126223	17.215	ng	# 90
82) 3,3'-Dichlorobenzidine	14.074	252	5813	2.985	ng	# 1
83) Chrysene	14.127	228	157959	23.082	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.074	149	289513	94.460	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.051	276	70908	10.631	ng	# 93
88) Benzo(b)fluoranthene	15.151	252	216521	35.215	ng	# 38
89) Benzo(k)fluoranthene	15.151	252	216521	39.275	ng	# 39
90) Benzo(a)pyrene	15.515	252	89082	17.062	ng	# 28
91) Dibenzo(a,h)anthracene	17.062	278	17133	3.117	ng	# 26
92) Benzo(g,h,i)perylene	17.498	276	66781	11.770	ng	# 92

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

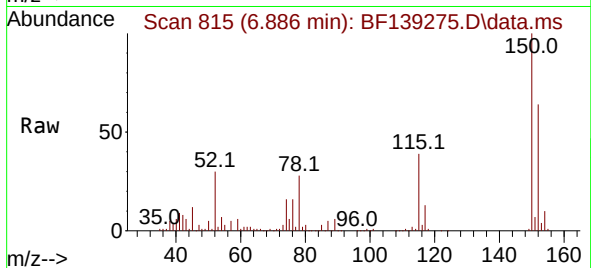
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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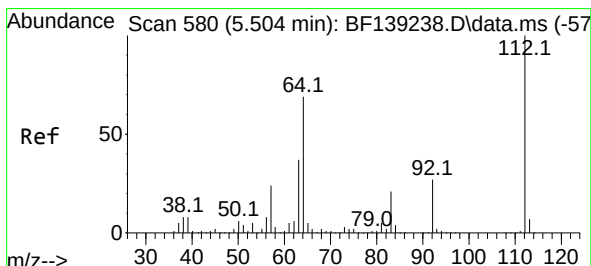
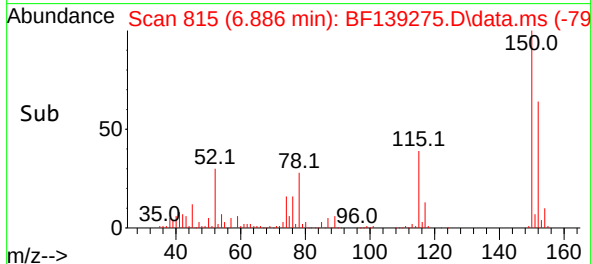
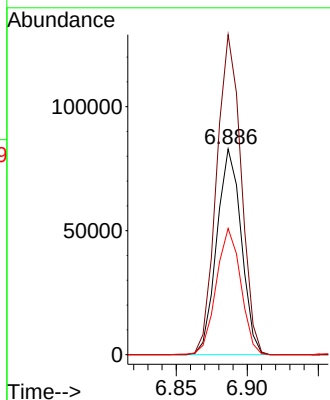


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

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ETGI356

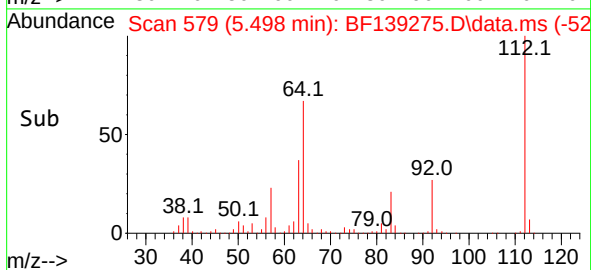
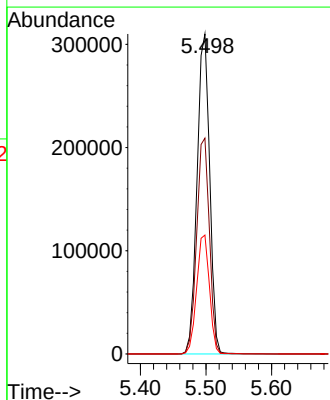
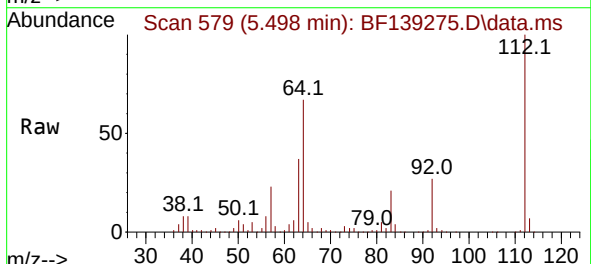


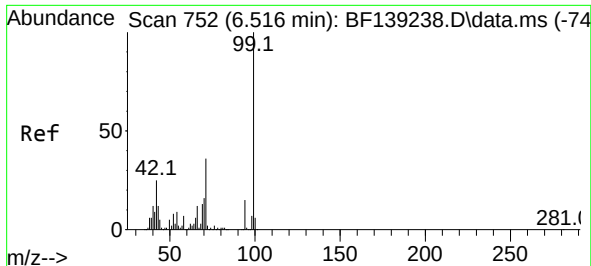
Tgt Ion:152 Resp: 99421
Ion Ratio Lower Upper
152 100
150 155.6 127.0 190.4
115 61.4 46.9 70.3



#5
2-Fluorophenol
Concen: 69.959 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion:112 Resp: 415777
Ion Ratio Lower Upper
112 100
64 67.4 55.0 82.4
63 37.2 29.9 44.9





#7
Phenol-d6
Concen: 66.480 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

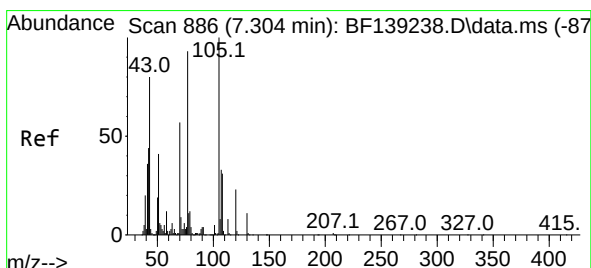
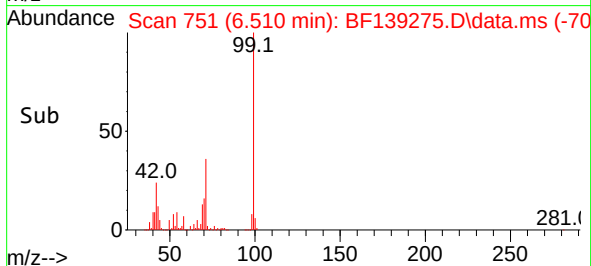
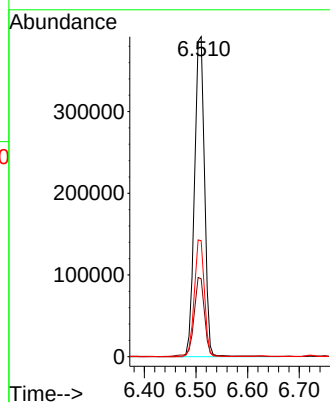
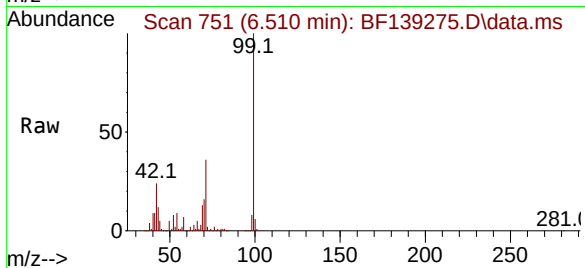
Instrument :

BNA_F

ClientSampleId :

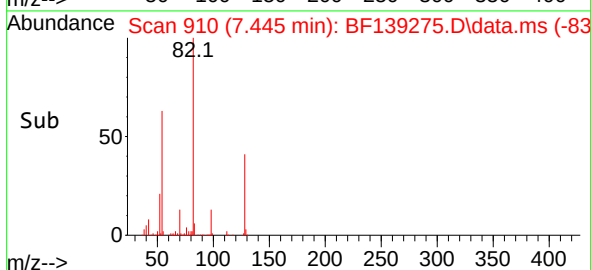
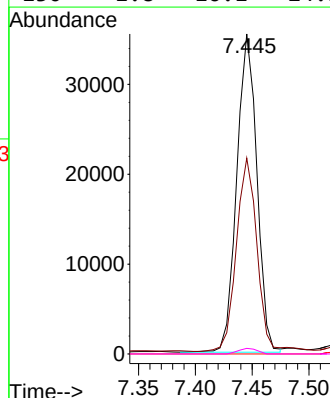
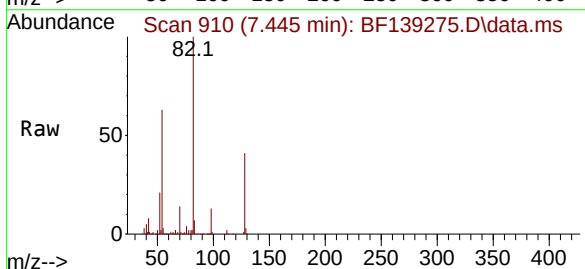
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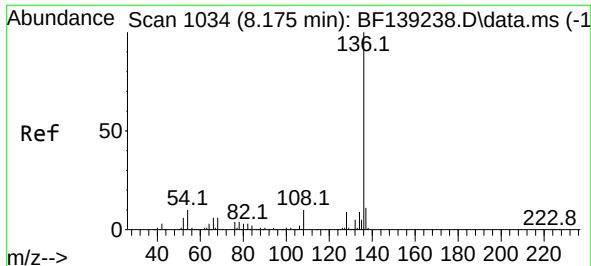
Tgt Ion: 99 Resp: 527450
Ion Ratio Lower Upper
99 100
42 24.3 19.8 29.6
71 36.3 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.537 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion: 70 Resp: 43577
Ion Ratio Lower Upper
70 100
42 61.2 61.0 91.6
101 0.0 7.2 10.8#
130 1.8 16.1 24.1#



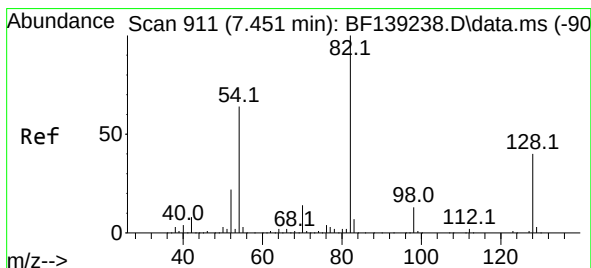
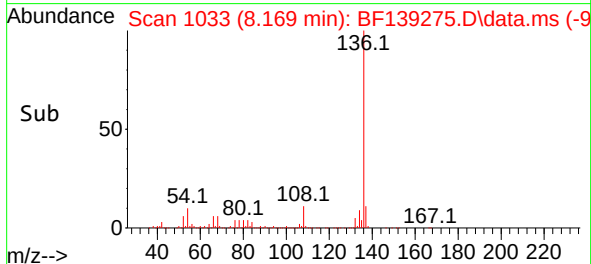
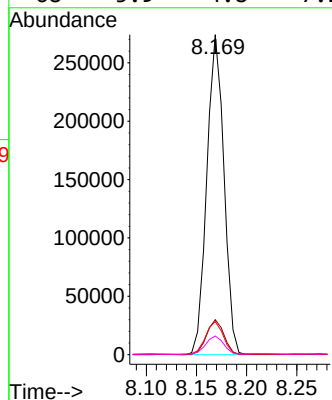
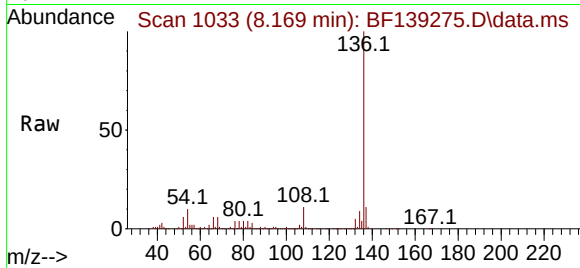


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Instrument :
BNA_F
ClientSampleId :
ETGI356

Tgt Ion:136 Resp: 327157

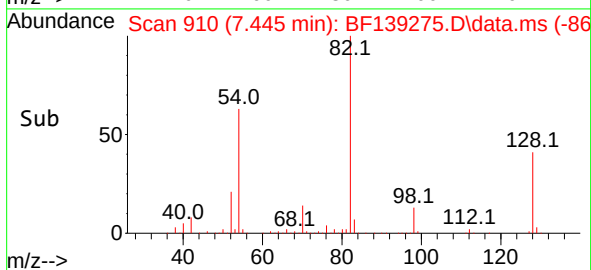
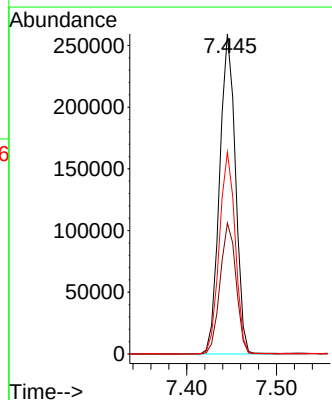
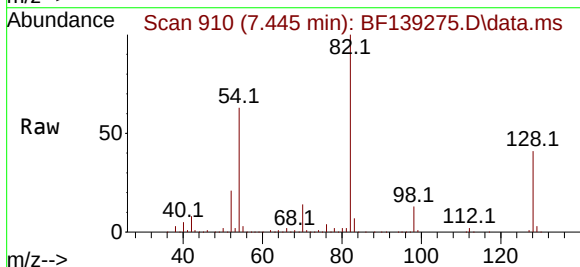
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.4	8.4	12.6
68	5.9	4.8	7.2

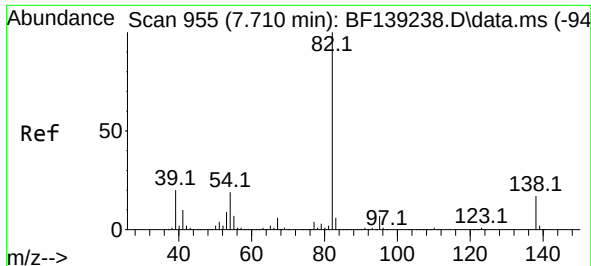


#23
Nitrobenzene-d5
Concen: 50.658 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion: 82 Resp: 318577

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.3	48.5
54	63.1	51.2	76.8

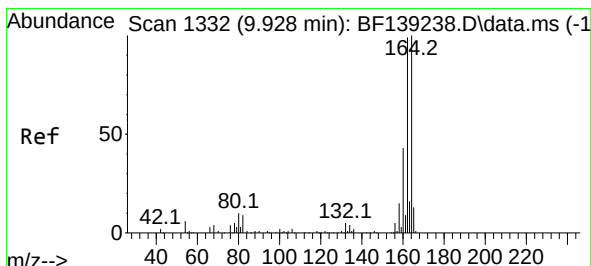
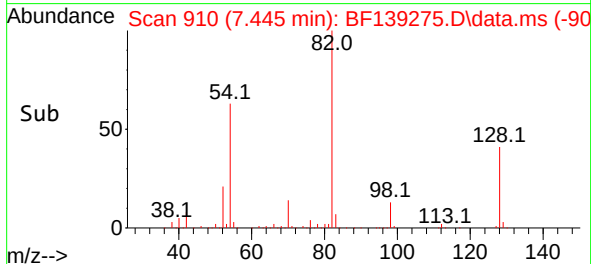
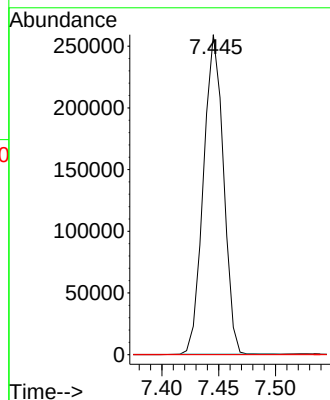
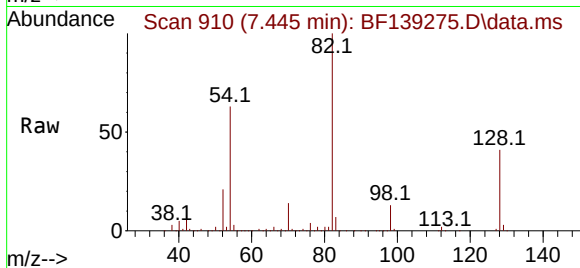




#25
Isophorone
Concen: 29.425 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

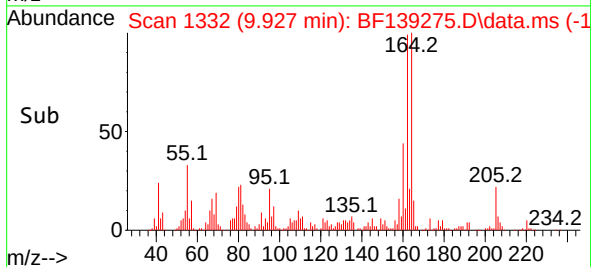
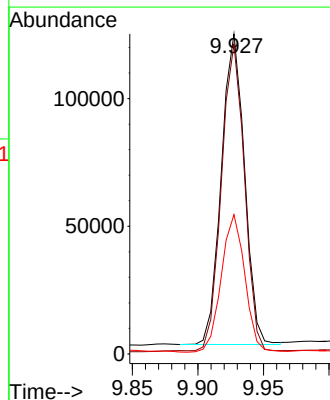
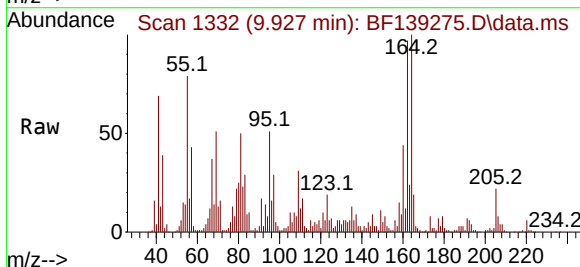
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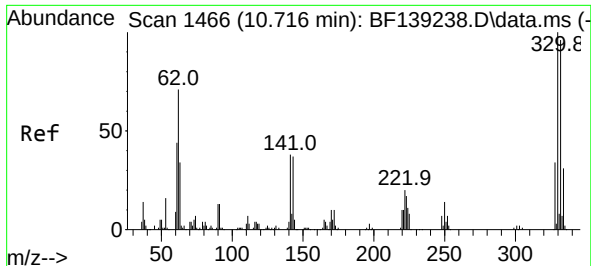
Tgt Ion: 82 Resp: 316361
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion:164 Resp: 148854
Ion Ratio Lower Upper
164 100
162 96.9 79.2 118.8
160 43.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 70.105 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

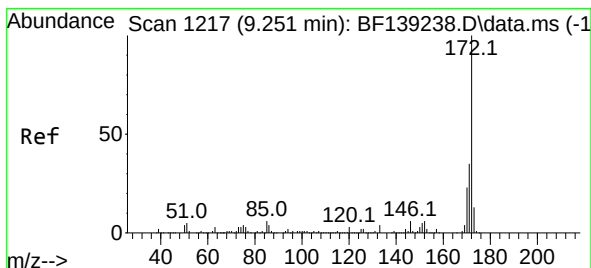
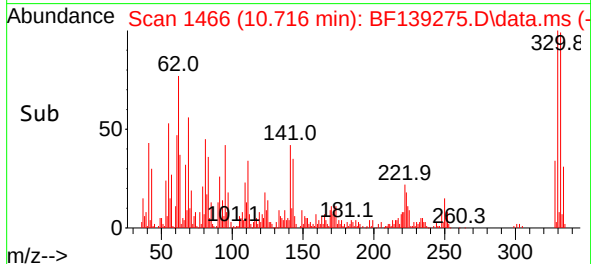
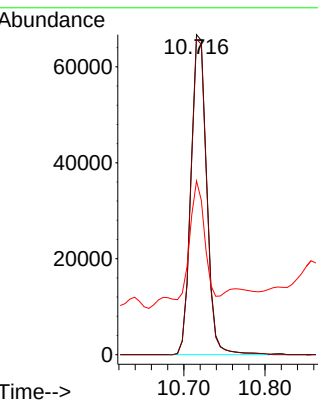
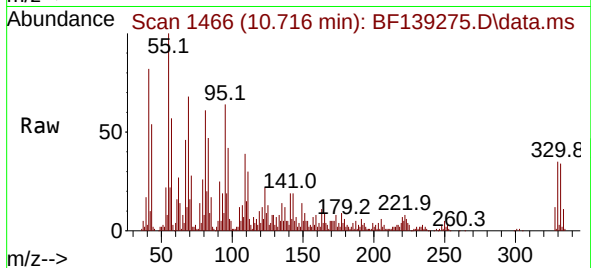
Tgt Ion:330 Resp: 90112

Ion Ratio Lower Upper

330 100

332 98.3 76.6 115.0

141 33.6 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 51.846 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

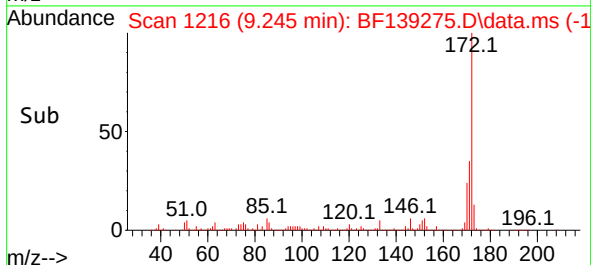
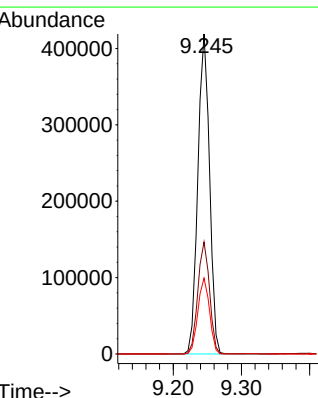
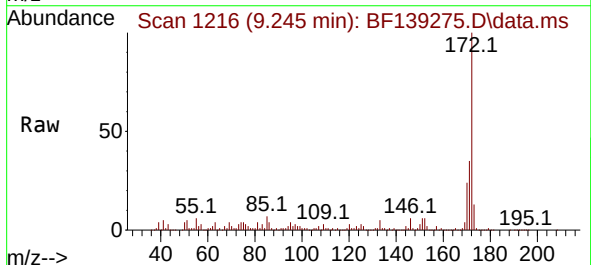
Tgt Ion:172 Resp: 499954

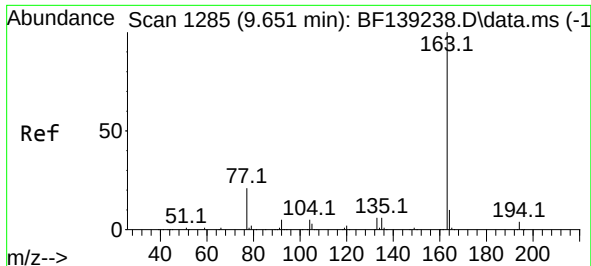
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.7 18.7 28.1

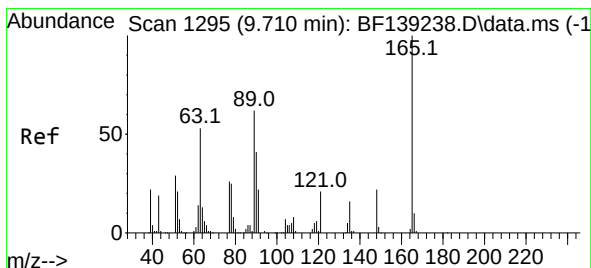
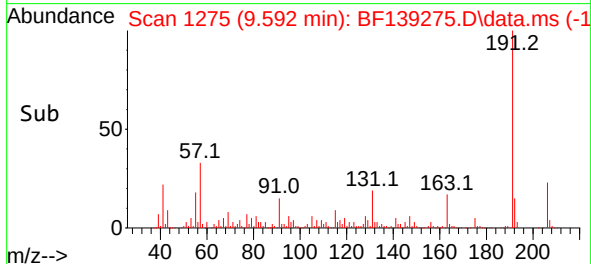
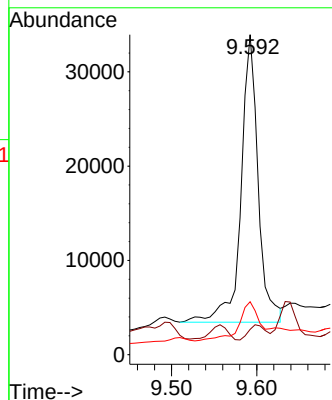
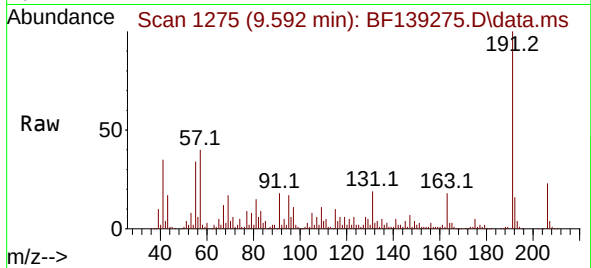




#50
Dimethylphthalate
Concen: 4.733 ng
RT: 9.592 min Scan# 1285
Delta R.T. -0.059 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

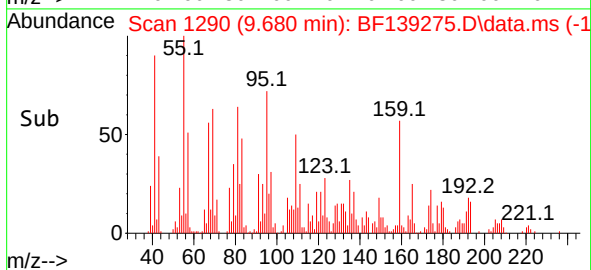
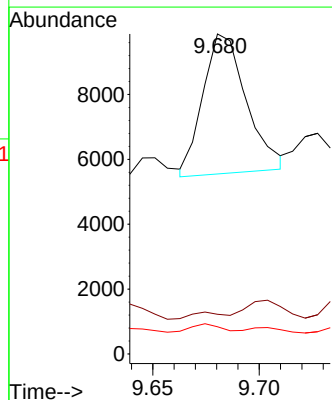
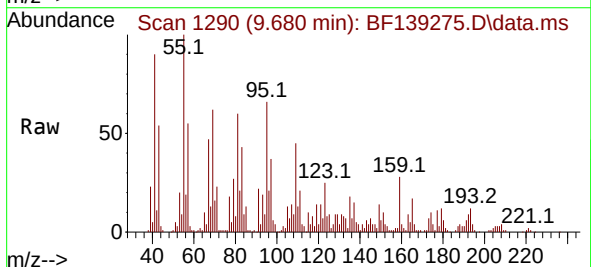
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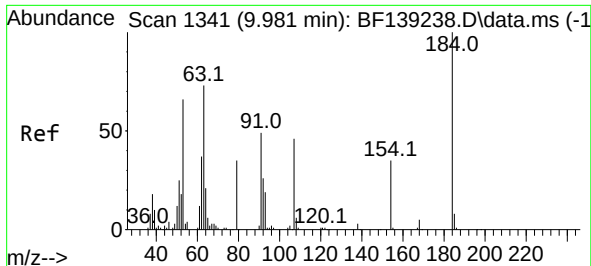
Tgt Ion:163 Resp: 42705
Ion Ratio Lower Upper
163 100
194 7.9 3.2 4.8#
164 16.6 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 3.001 ng
RT: 9.680 min Scan# 1290
Delta R.T. -0.030 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion:165 Resp: 6143
Ion Ratio Lower Upper
165 100
63 12.4 56.1 84.1#
89 8.5 49.7 74.5#

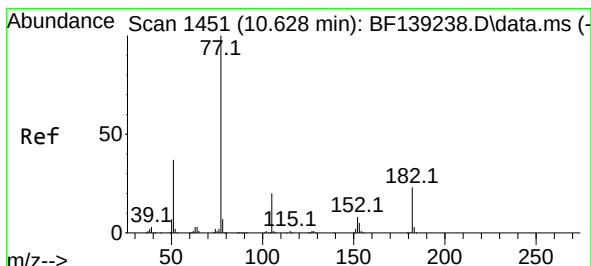
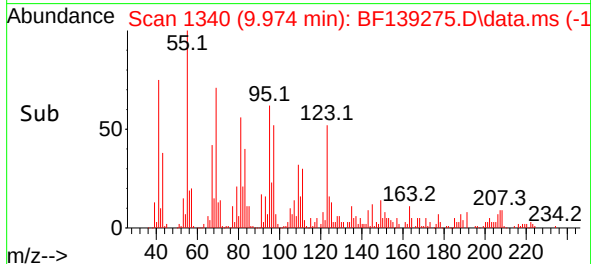
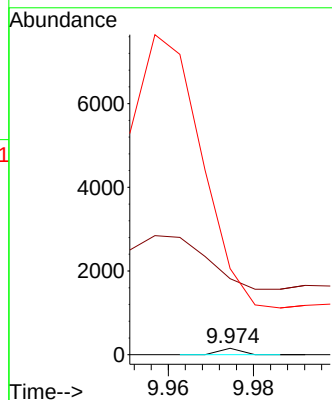
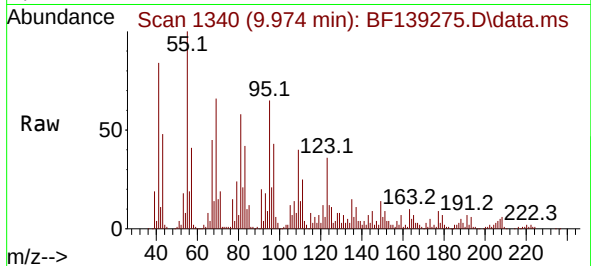




#54
2,4-Dinitrophenol
Concen: 7.571 ng
RT: 9.974 min Scan# 11
Delta R.T. -0.007 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

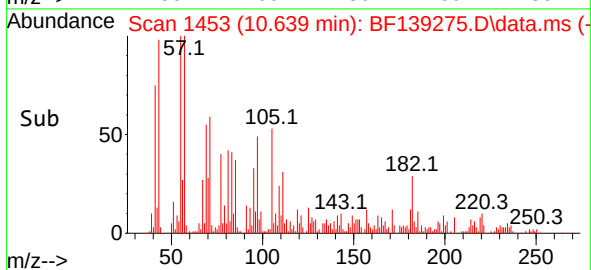
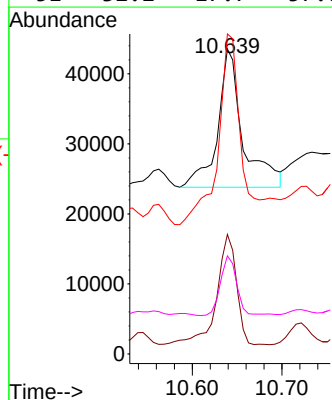
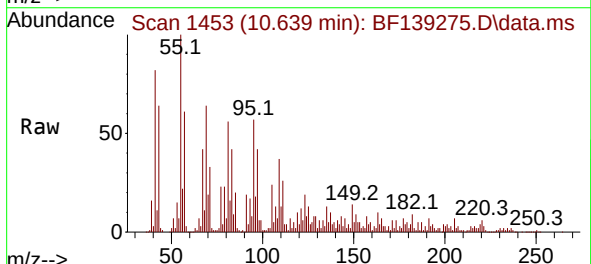
Instrument :
BNA_F
ClientSampleId :
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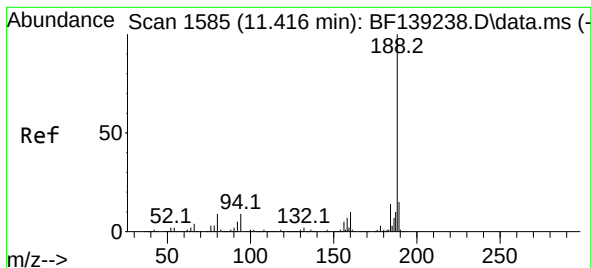
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 1186.9 66.4 99.6#
154 1345.8 97.0 145.6#



#63
Azobenzene
Concen: 4.137 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion: 77 Resp: 38714
Ion Ratio Lower Upper
77 100
182 39.2 3.0 43.0
105 104.9 0.0 39.4#
51 32.2 17.7 57.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. 0.011 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

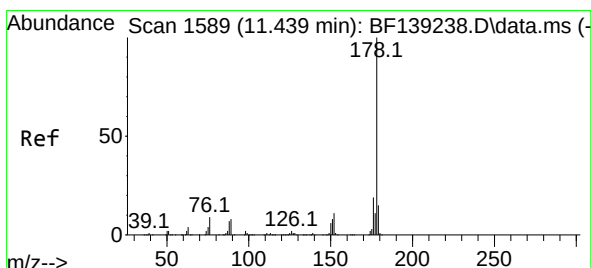
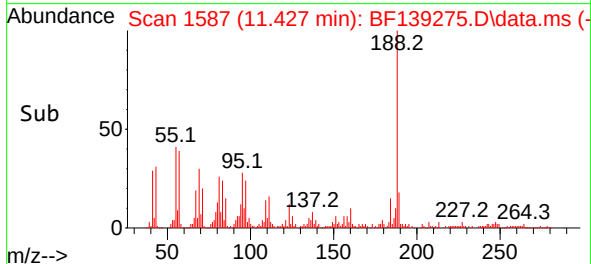
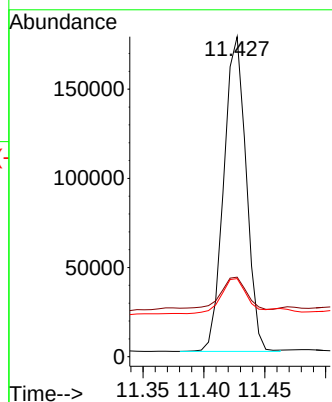
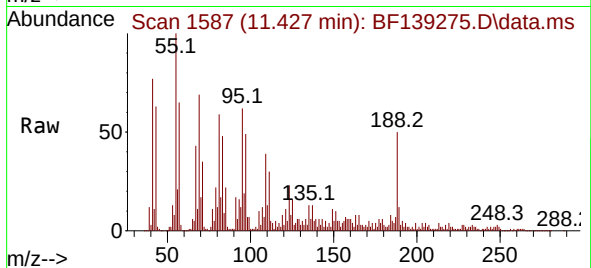
Tgt Ion:188 Resp: 225859

Ion Ratio Lower Upper

188 100

94 24.8 7.0 10.4#

80 24.4 7.3 10.9#



#71

Phenanthrene

Concen: 16.067 ng

RT: 11.451 min Scan# 1591

Delta R.T. 0.011 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

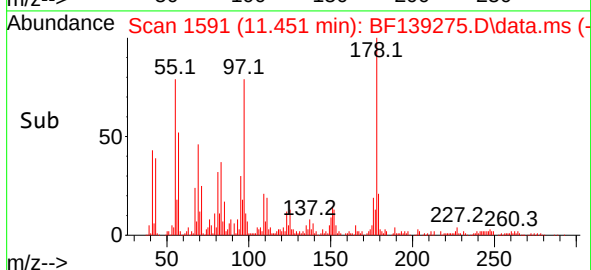
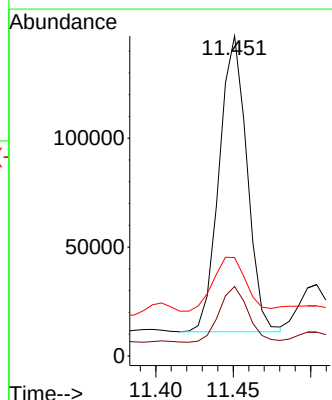
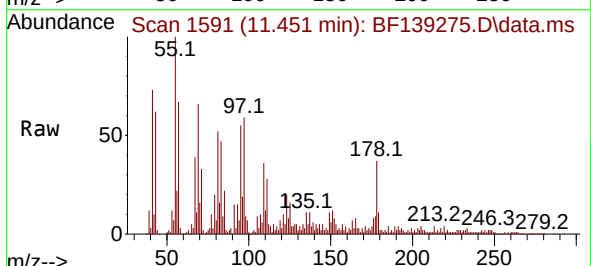
Tgt Ion:178 Resp: 169526

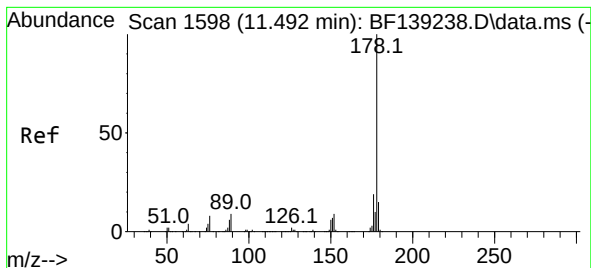
Ion Ratio Lower Upper

178 100

176 21.7 15.4 23.0

179 30.7 12.3 18.5#





#72

Anthracene

Concen: 2.395 ng

RT: 11.504 min Scan# 1

Delta R.T. 0.011 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

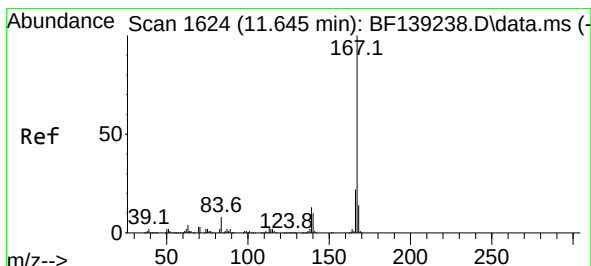
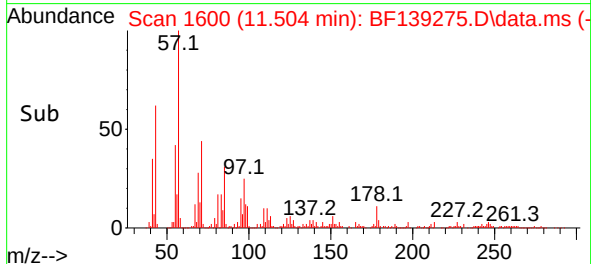
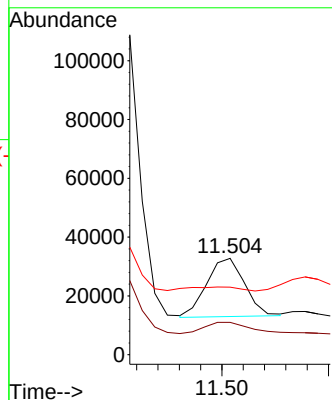
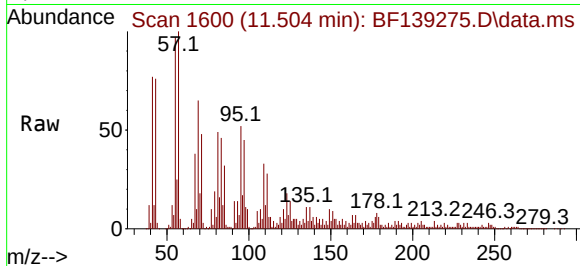
Tgt Ion:178 Resp: 24690

Ion Ratio Lower Upper

178 100

176 33.5 15.0 22.4#

179 70.1 12.3 18.5#



#73

Carbazole

Concen: 2.392 ng

RT: 11.651 min Scan# 1625

Delta R.T. 0.006 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

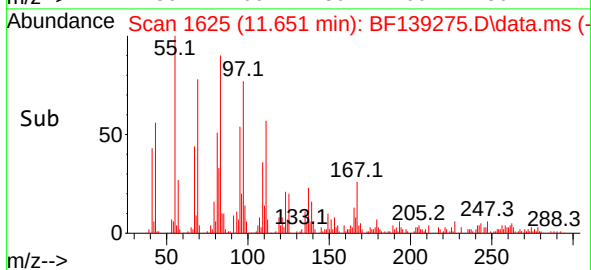
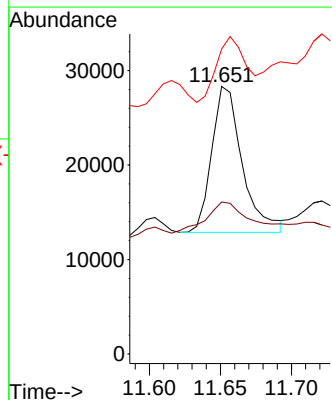
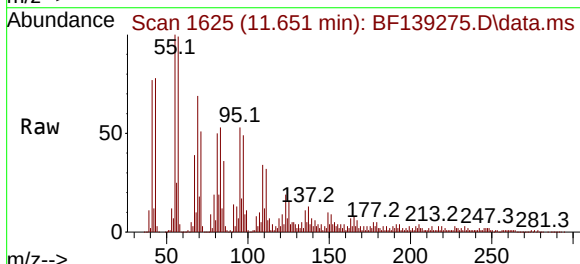
Tgt Ion:167 Resp: 23043

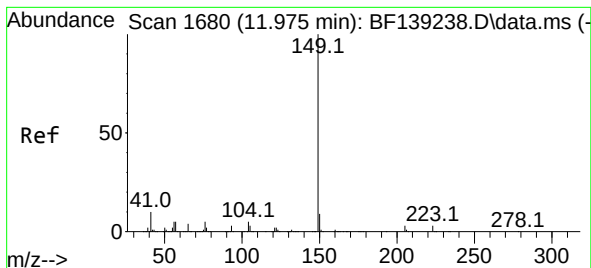
Ion Ratio Lower Upper

167 100

166 56.8 17.2 25.8#

139 114.0 10.2 15.4#





#74

Di-n-butylphthalate

Concen: 5.363 ng

RT: 11.992 min Scan# 1

Delta R.T. 0.017 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

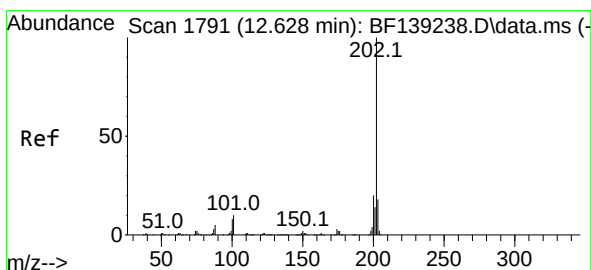
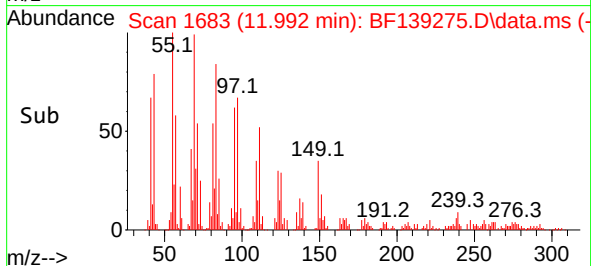
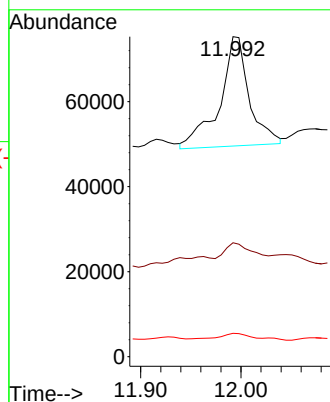
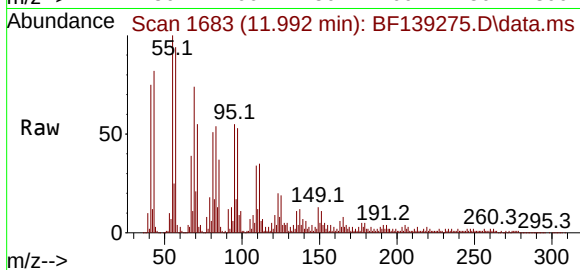
Tgt Ion:149 Resp: 52898

Ion Ratio Lower Upper

149 100

150 35.6 7.5 11.3#

104 7.3 3.9 5.9#



#75

Fluoranthene

Concen: 45.157 ng

RT: 12.668 min Scan# 1798

Delta R.T. 0.041 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

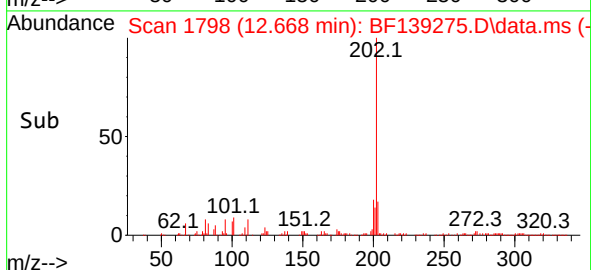
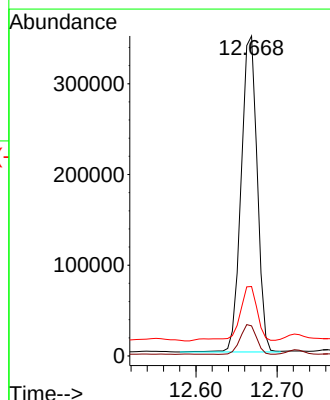
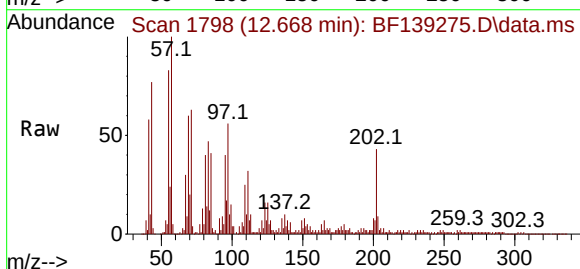
Tgt Ion:202 Resp: 477666

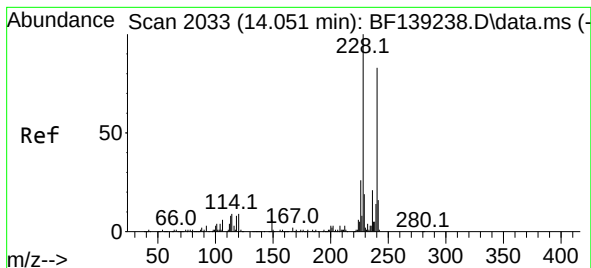
Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.9

203 21.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.104 min Scan# 2033

Delta R.T. 0.053 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

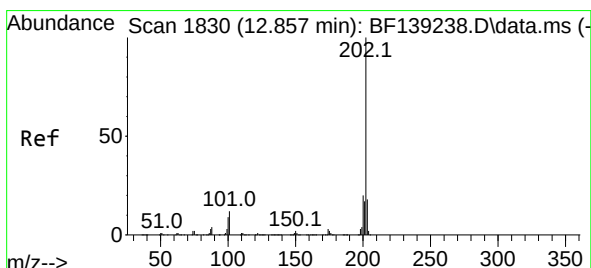
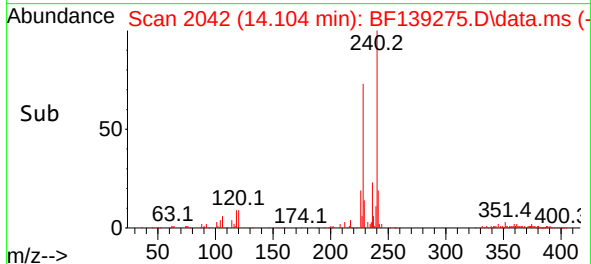
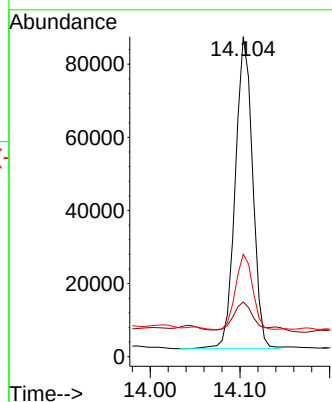
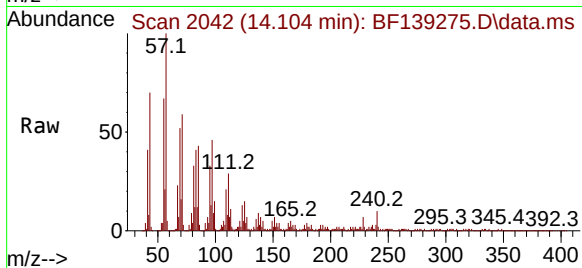
Tgt Ion:240 Resp: 114828

Ion Ratio Lower Upper

240 100

120 17.1 8.6 12.8#

236 32.0 20.7 31.1#



#78

Pyrene

Concen: 33.366 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.041 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

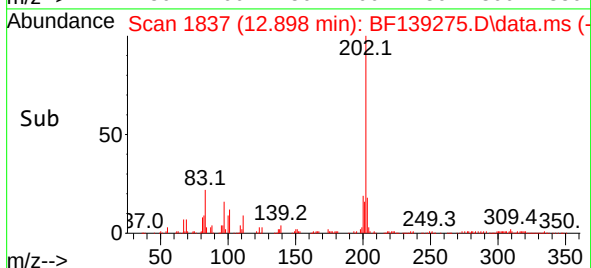
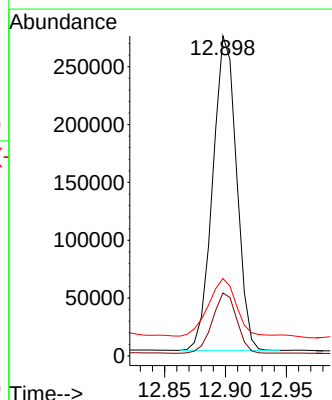
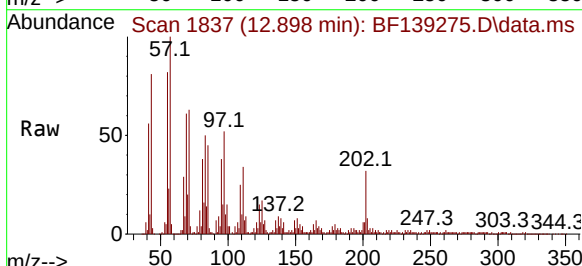
Tgt Ion:202 Resp: 370115

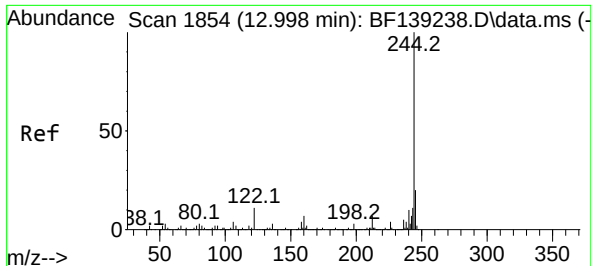
Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

203 24.2 14.1 21.1#

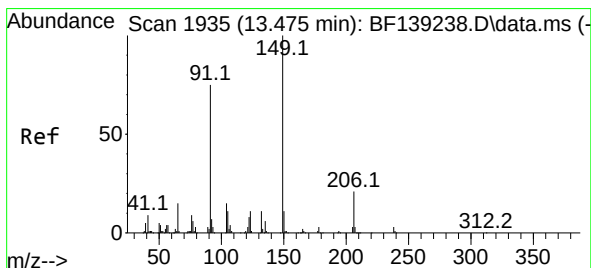
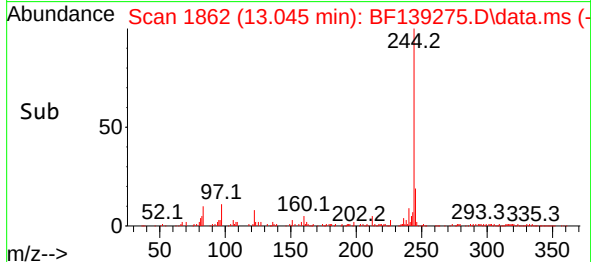
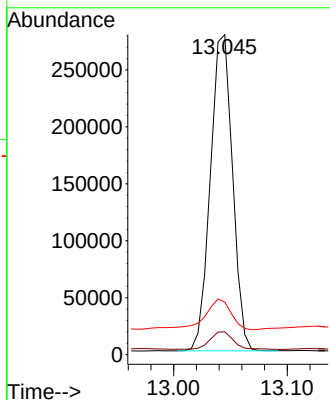
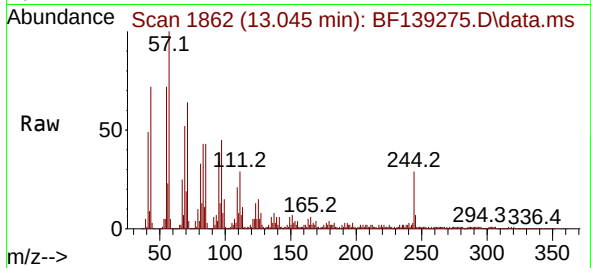




#79
 Terphenyl-d14
 Concen: 52.996 ng
 RT: 13.045 min Scan# 11
 Delta R.T. 0.047 min
 Lab File: BF139275.D
 Acq: 06 Sep 2024 14:02

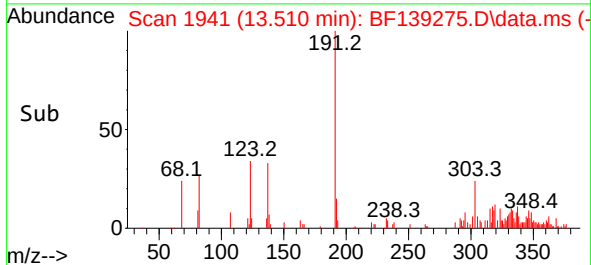
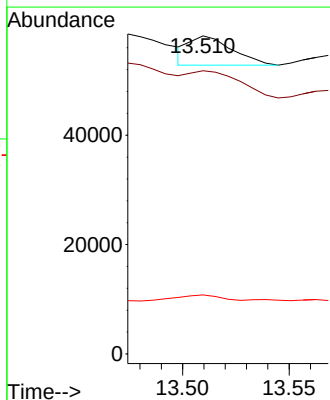
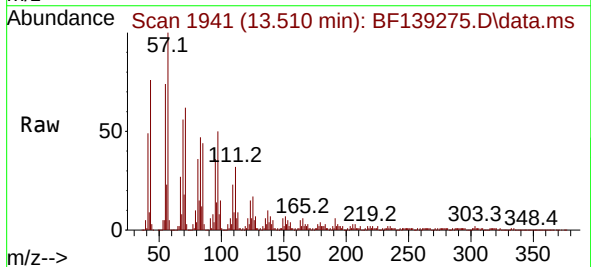
Instrument :
 BNA_F
 ClientSampleId :
 ETGI356

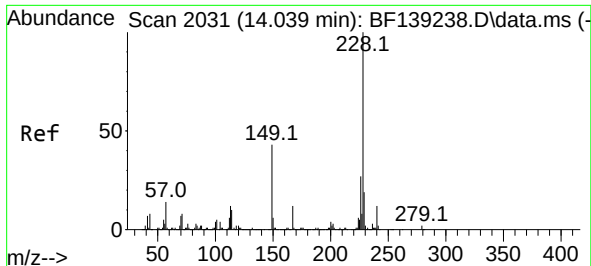
Tgt Ion:244 Resp: 376906
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 16.5 8.7 13.1#



#80
 Butylbenzylphthalate
 Concen: 2.863 ng
 RT: 13.510 min Scan# 1941
 Delta R.T. 0.035 min
 Lab File: BF139275.D
 Acq: 06 Sep 2024 14:02

Tgt Ion:149 Resp: 7475
 Ion Ratio Lower Upper
 149 100
 91 89.0 60.3 90.5
 206 18.5 16.7 25.1

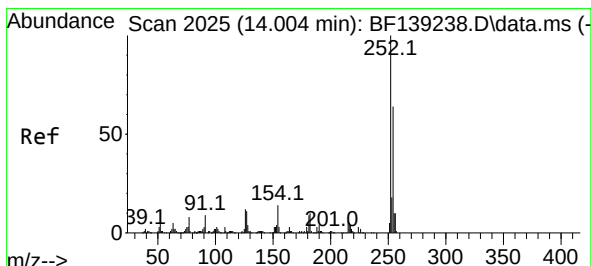
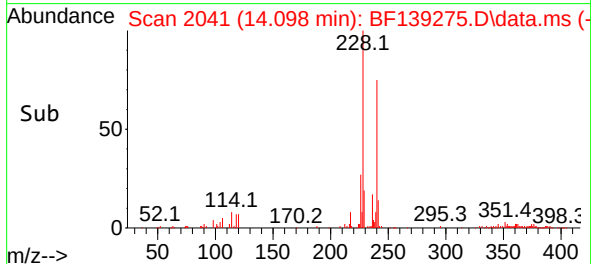
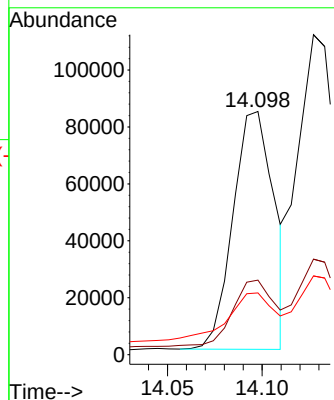
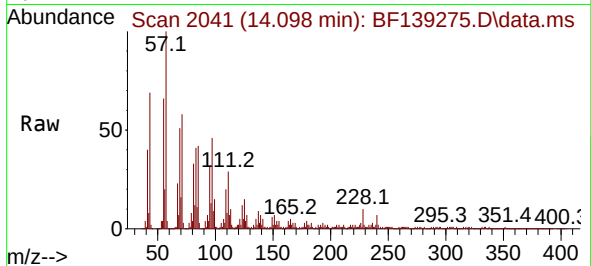




#81
Benzo(a)anthracene
Concen: 17.215 ng
RT: 14.098 min Scan# 2041
Delta R.T. 0.059 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

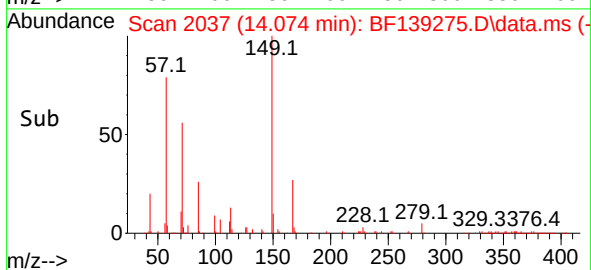
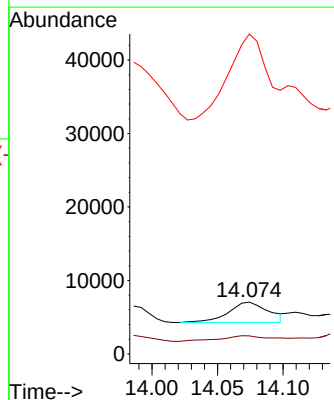
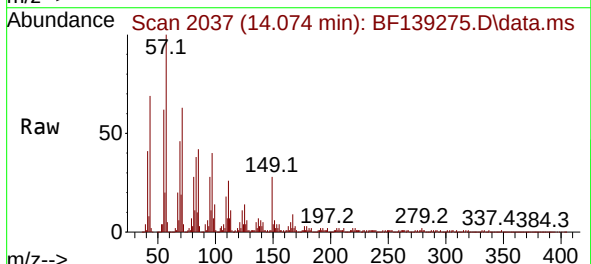
Instrument :
BNA_F
ClientSampleId :
ETGI356

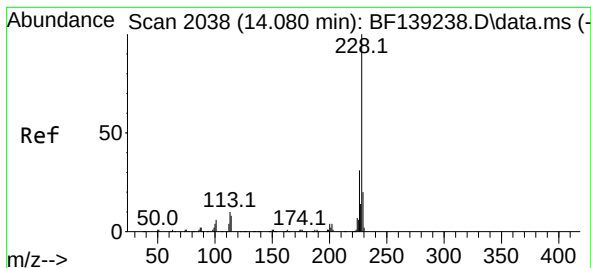
Tgt Ion:228 Resp: 126223
Ion Ratio Lower Upper
228 100
226 30.6 21.5 32.3
229 25.4 15.6 23.4#



#82
3,3'-Dichlorobenzidine
Concen: 2.985 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.070 min
Lab File: BF139275.D
Acq: 06 Sep 2024 14:02

Tgt Ion:252 Resp: 5813
Ion Ratio Lower Upper
252 100
254 34.7 51.5 77.3#
126 616.6 9.2 13.8#





#83

Chrysene

Concen: 23.082 ng

RT: 14.127 min Scan# 2046

Delta R.T. 0.047 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

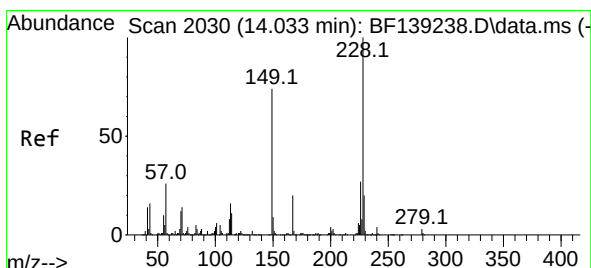
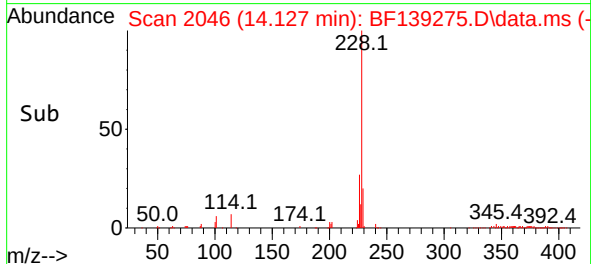
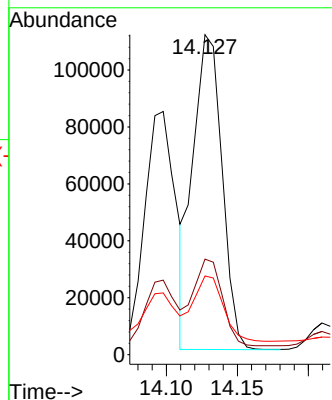
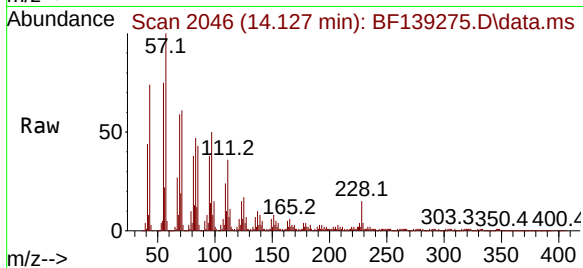
Tgt Ion:228 Resp: 157959

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 24.6 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 94.460 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.041 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

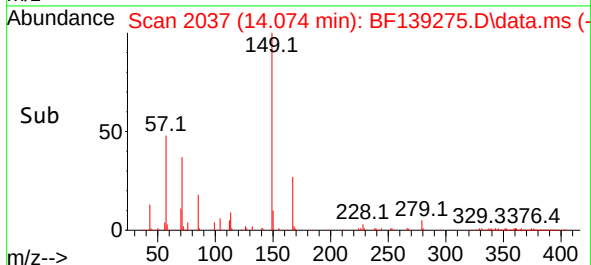
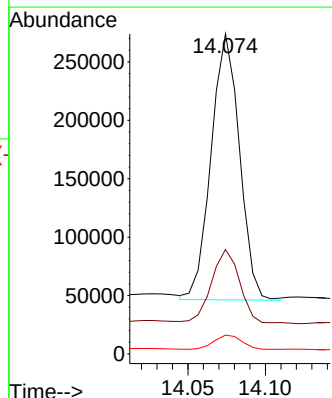
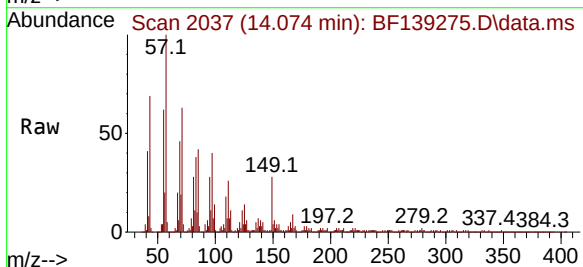
Tgt Ion:149 Resp: 289513

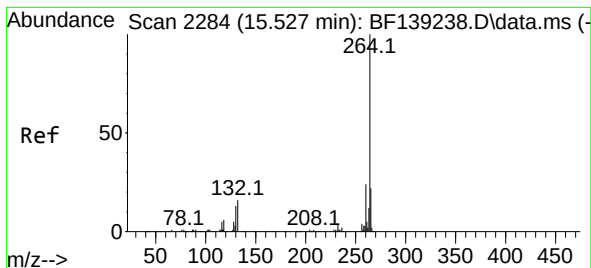
Ion Ratio Lower Upper

149 100

167 32.6 21.8 32.6#

279 5.9 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

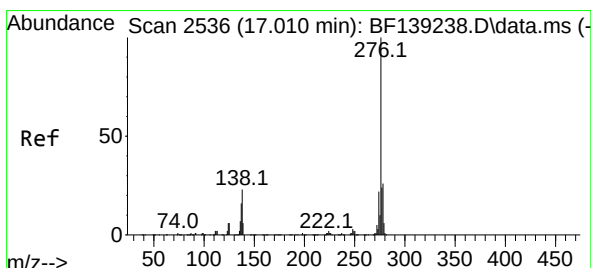
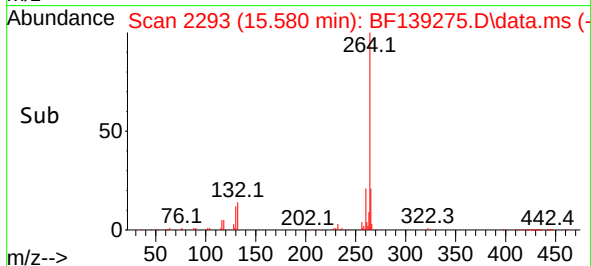
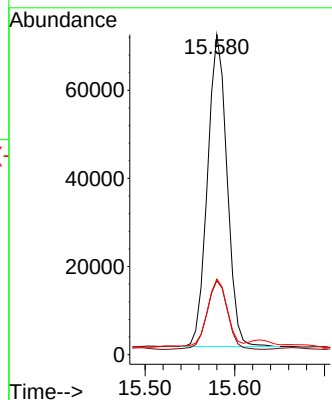
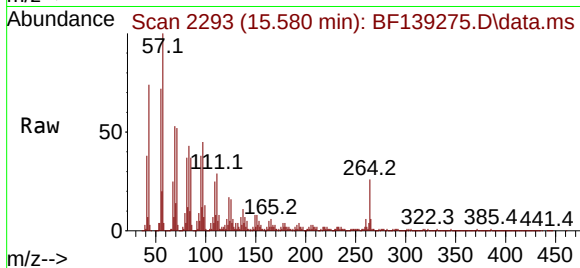
Tgt Ion:264 Resp: 106765

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 23.7 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.631 ng

RT: 17.051 min Scan# 2543

Delta R.T. 0.041 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

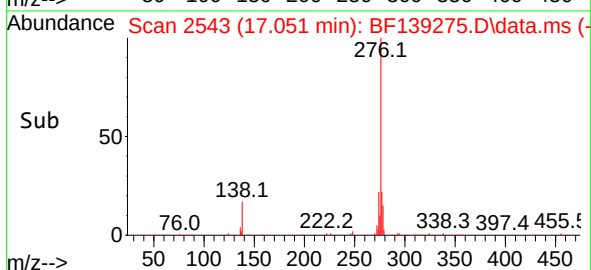
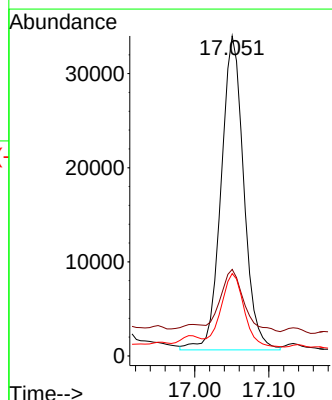
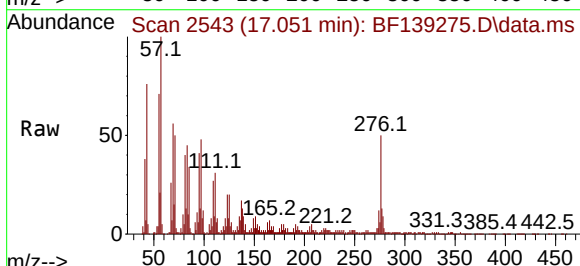
Tgt Ion:276 Resp: 70908

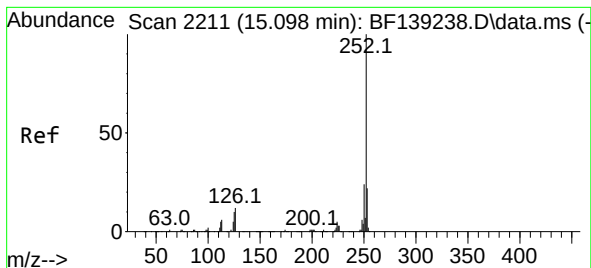
Ion Ratio Lower Upper

276 100

138 20.2 20.4 30.6#

277 23.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 35.215 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

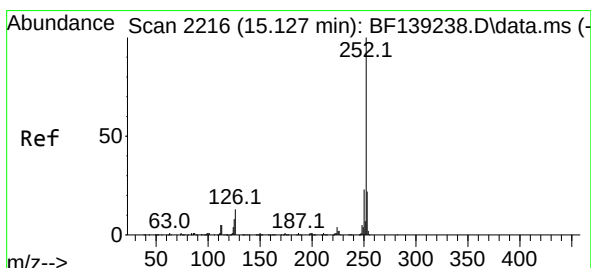
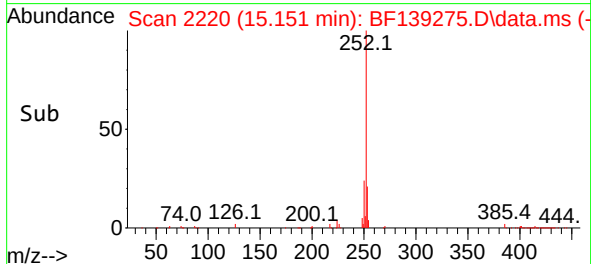
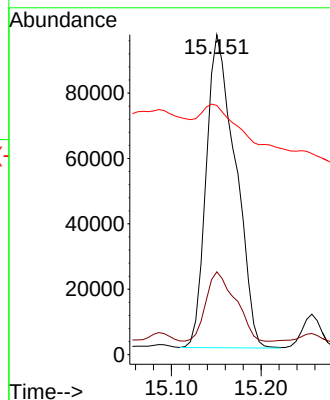
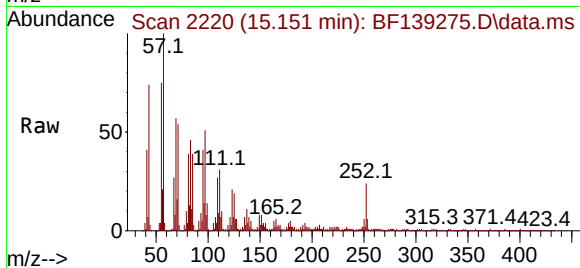
Tgt Ion:252 Resp: 216521

Ion Ratio Lower Upper

252 100

253 25.9 17.6 26.4

125 77.9 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 39.275 ng

RT: 15.151 min Scan# 2220

Delta R.T. 0.023 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

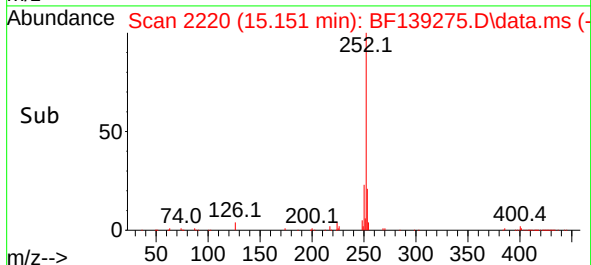
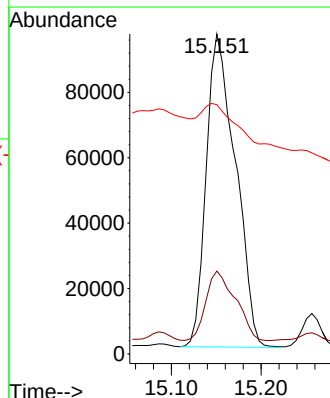
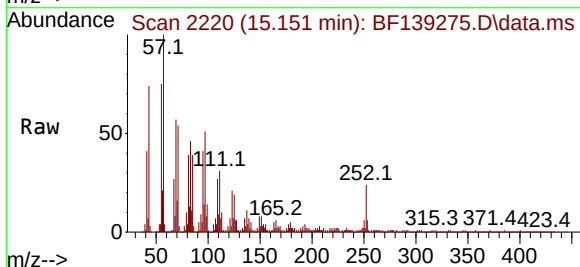
Tgt Ion:252 Resp: 216521

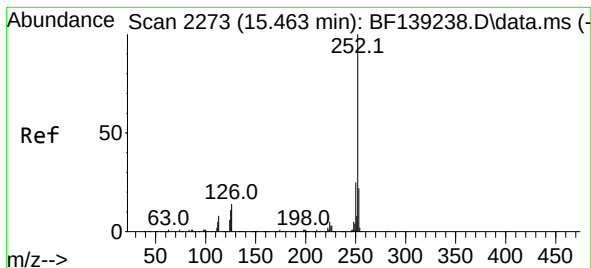
Ion Ratio Lower Upper

252 100

253 25.9 17.6 26.4

125 77.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 17.062 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356

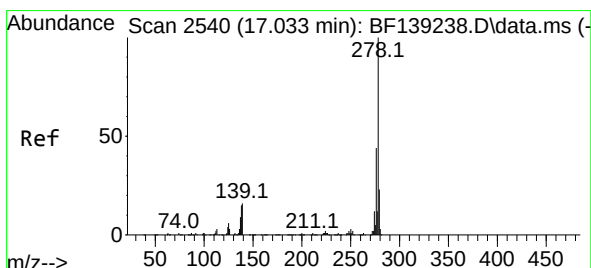
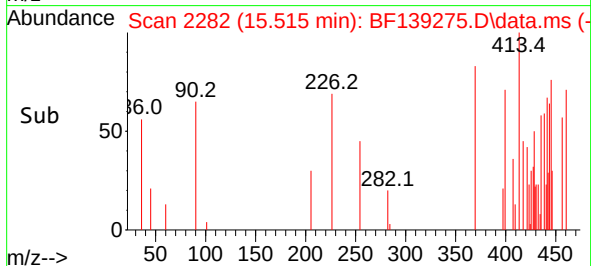
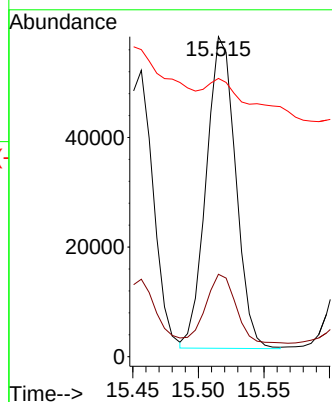
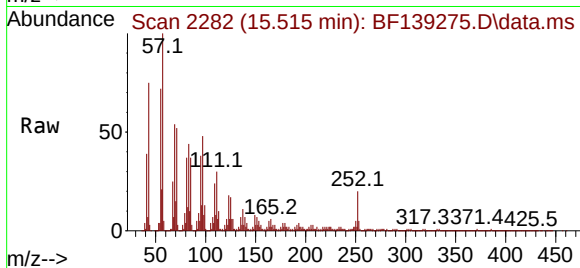
Tgt Ion:252 Resp: 89082

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 86.9 8.6 13.0#



#91

Dibenzo(a,h)anthracene

Concen: 3.117 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.029 min

Lab File: BF139275.D

Acq: 06 Sep 2024 14:02

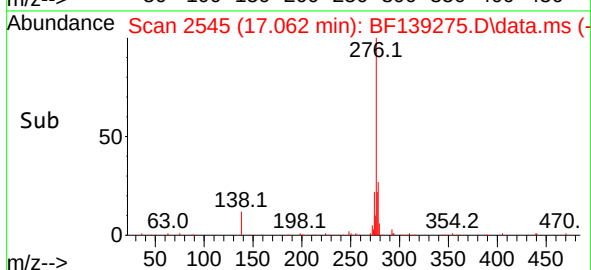
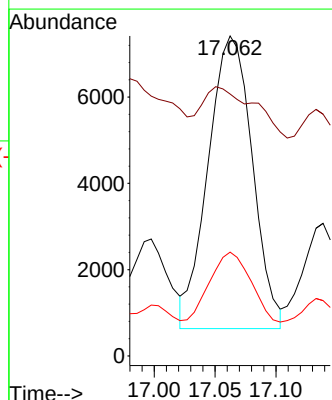
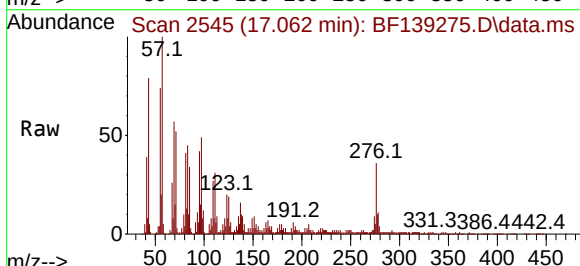
Tgt Ion:278 Resp: 17133

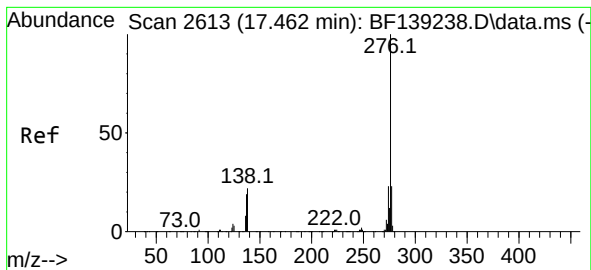
Ion Ratio Lower Upper

278 100

139 81.9 12.6 19.0#

279 32.4 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 11.770 ng

RT: 17.498 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF139275.D

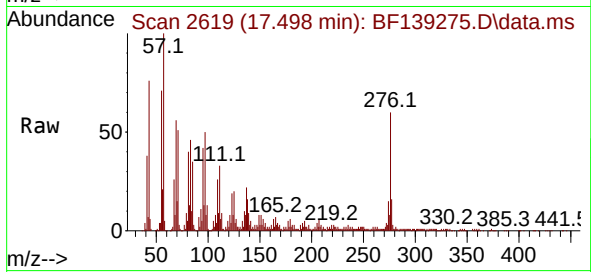
Acq: 06 Sep 2024 14:02

Instrument :

BNA_F

ClientSampleId :

ETGI356



Tgt Ion:276 Resp: 66781

Ion Ratio Lower Upper

276 100

277 26.0 18.6 27.8

138 26.3 17.4 26.0#

