

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136701.D
 Acq On : 22 Dec 2023 23:29
 Operator : CG\JU
 Sample : 05969-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-345

Quant Time: Dec 23 01:57:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

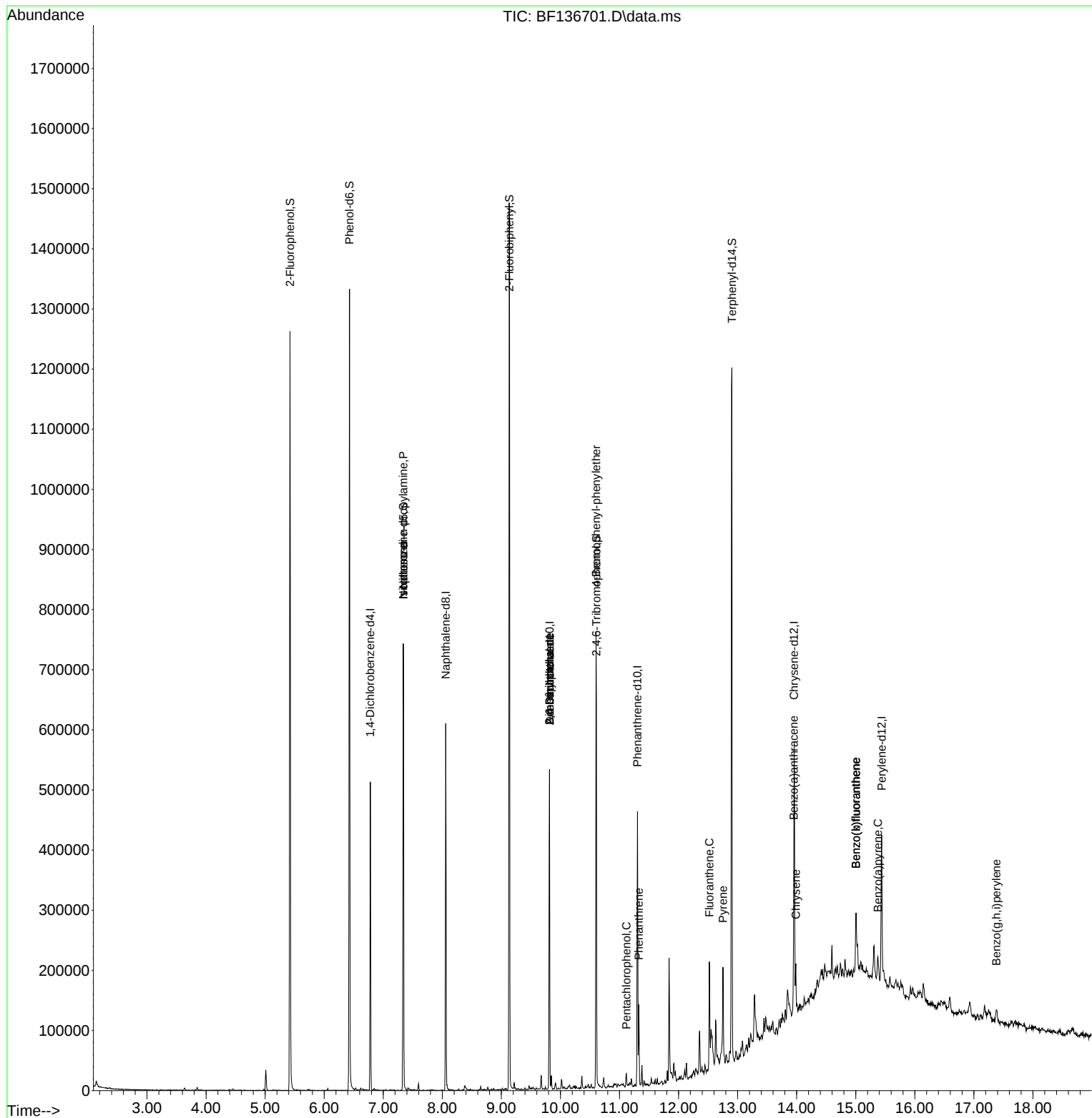
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.780	152	70019	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	239535	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	100297	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	152099	20.000	ng	-0.01
76) Chrysene-d12	13.956	240	141243	20.000	ng	-0.01
86) Perylene-d12	15.439	264	112366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	316285	70.480	ng	0.00
7) Phenol-d6	6.428	99	401514	69.050	ng	-0.01
23) Nitrobenzene-d5	7.339	82	230123	49.160	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	90444	76.568	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	467958	62.753	ng	-0.02
79) Terphenyl-d14	12.904	244	433924	42.933	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	30832	8.747	ng	# 78
25) Isophorone	7.339	82	230121	27.017	ng	# 65
50) Dimethylphthalate	9.816	163	20138	2.749	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12414	7.466	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	12414	5.751	ng	# 20
67) 4-Bromophenyl-phenylether	10.604	248	5430	3.215	ng	# 1
70) Pentachlorophenol	11.115	266	1975	2.251	ng	# 77
71) Phenanthrene	11.327	178	43306	5.549	ng	99
75) Fluoranthene	12.521	202	63885	7.653	ng	98
78) Pyrene	12.751	202	59091	4.262	ng	98
81) Benzo(a)anthracene	13.951	228	28283	2.884	ng	# 90
83) Chrysene	13.986	228	35155	3.665	ng	96
88) Benzo(b)fluoranthene	15.003	252	60021	7.997	ng	# 94
89) Benzo(k)fluoranthene	15.003	252	60021	8.464	ng	# 95
90) Benzo(a)pyrene	15.374	252	18921	2.987	ng	# 92
92) Benzo(g,h,i)perylene	17.380	276	15857	2.326	ng	# 92

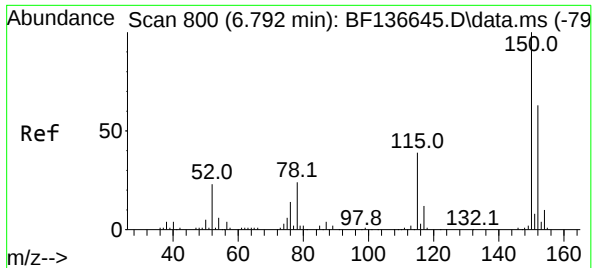
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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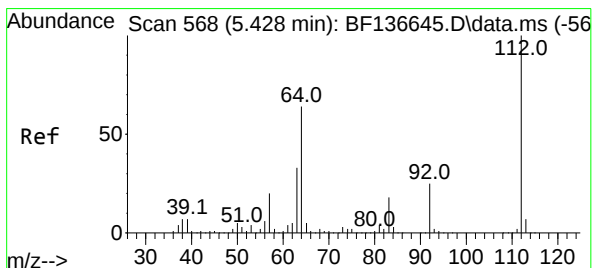
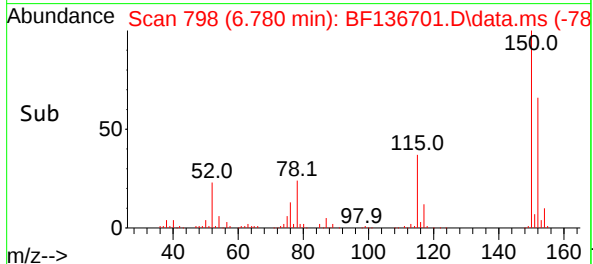
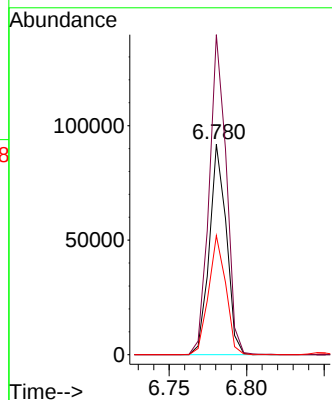
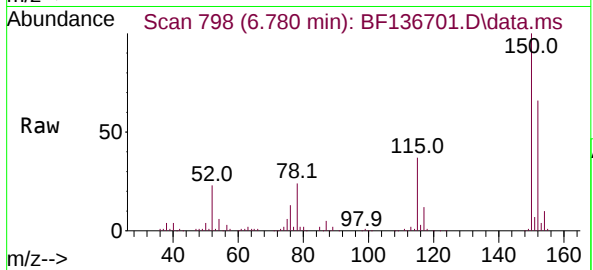




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.780 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF136701.D
 Acq: 22 Dec 2023 23:29

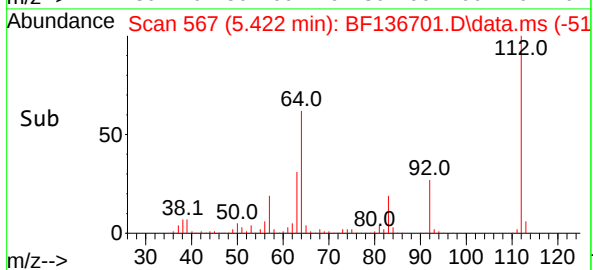
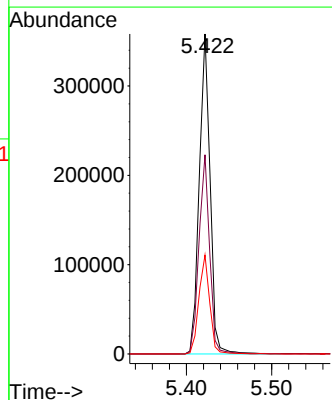
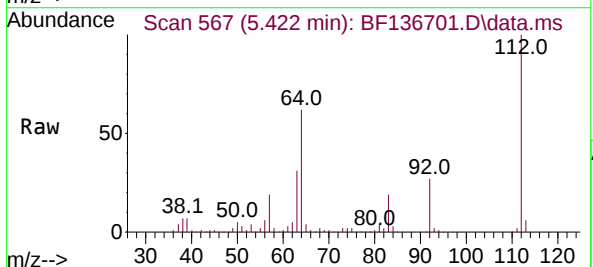
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-345

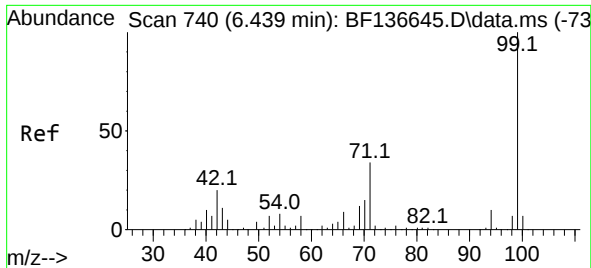
Tgt Ion:152 Resp: 70019
 Ion Ratio Lower Upper
 152 100
 150 152.1 127.0 190.6
 115 56.6 49.0 73.4



#5
 2-Fluorophenol
 Concen: 70.480 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF136701.D
 Acq: 22 Dec 2023 23:29

Tgt Ion:112 Resp: 316285
 Ion Ratio Lower Upper
 112 100
 64 62.3 51.1 76.7
 63 30.9 26.1 39.1

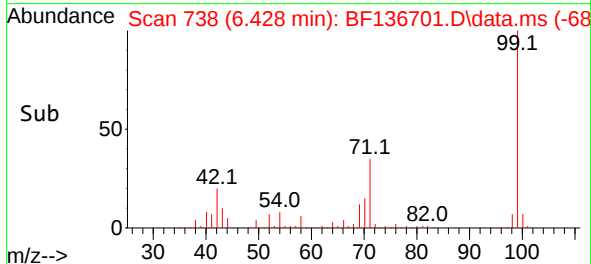
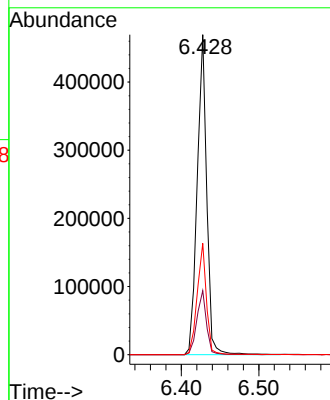
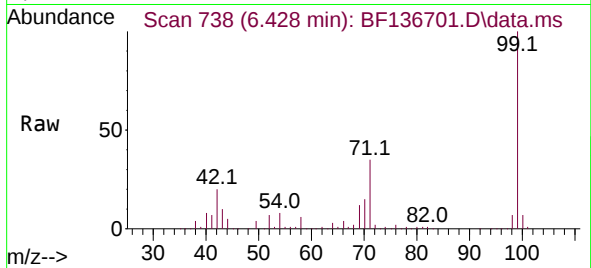




#7
Phenol-d6
Concen: 69.050 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

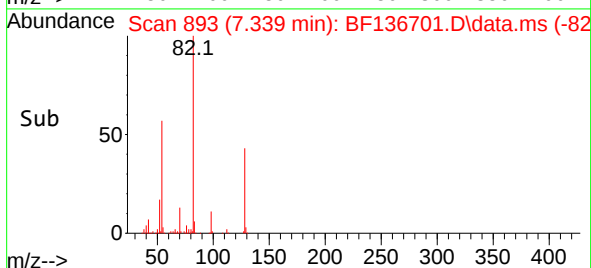
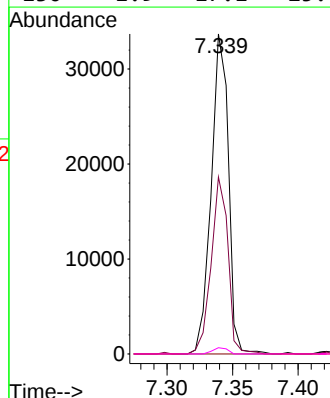
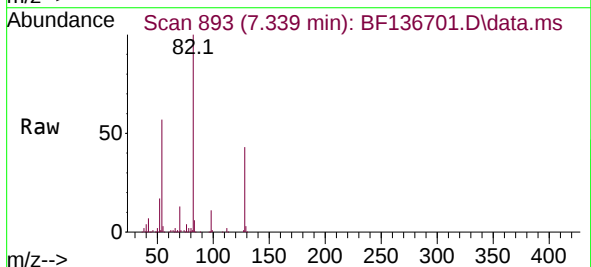
Instrument :
BNA_F
ClientSampleId :
ETGI-345

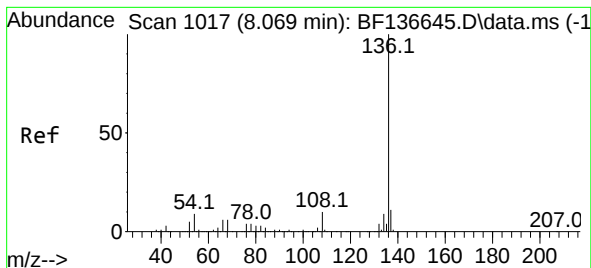
Tgt Ion: 99 Resp: 401514
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 34.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.747 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion: 70 Resp: 30832
Ion Ratio Lower Upper
70 100
42 55.3 54.2 81.4
101 0.0 7.6 11.4#
130 1.9 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

Tgt Ion:136 Resp: 239535

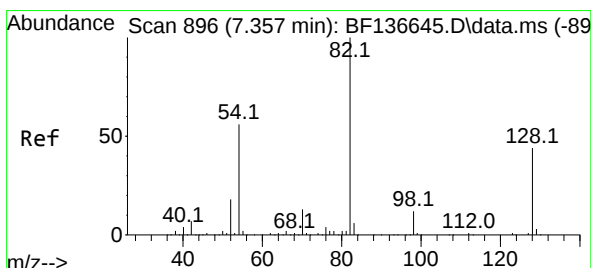
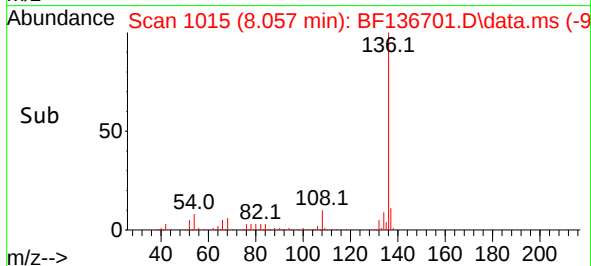
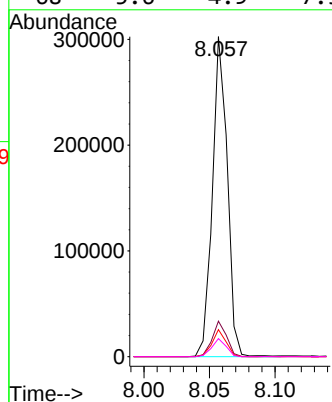
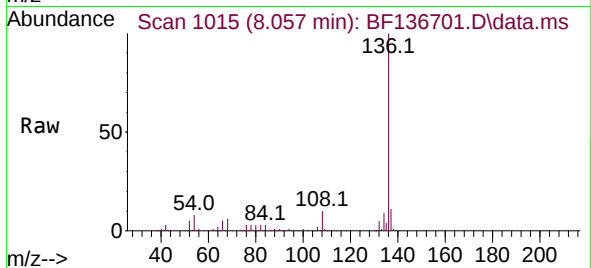
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.4 7.2 10.8

68 5.6 4.9 7.3



#23

Nitrobenzene-d5

Concen: 49.160 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

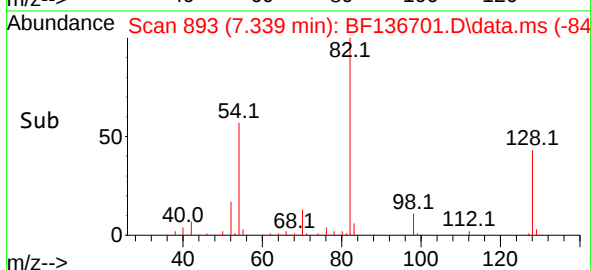
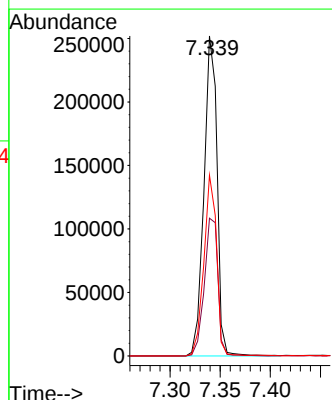
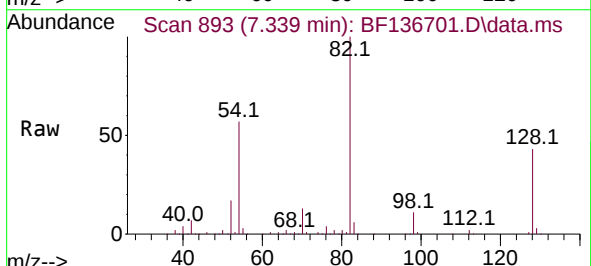
Tgt Ion: 82 Resp: 230123

Ion Ratio Lower Upper

82 100

128 43.1 35.3 52.9

54 56.5 44.5 66.7

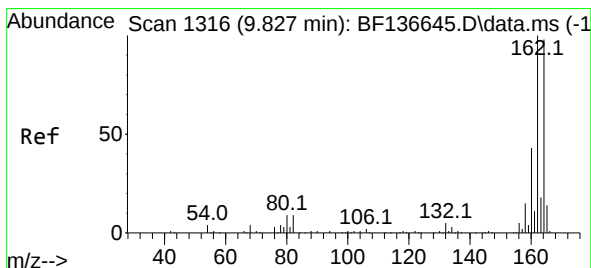
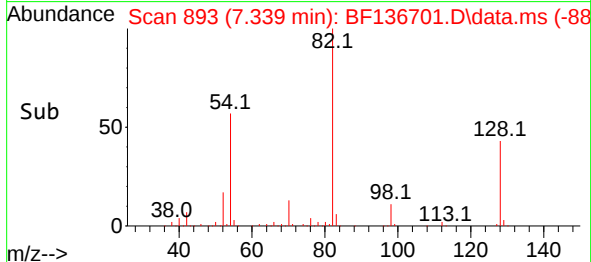
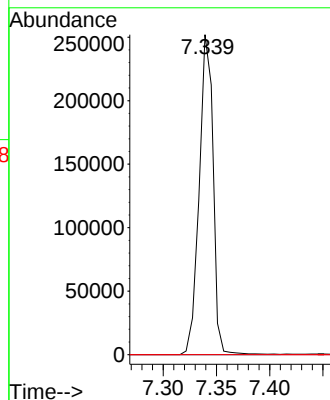
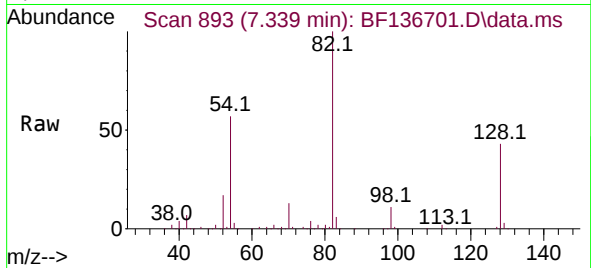




#25
Isophorone
Concen: 27.017 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

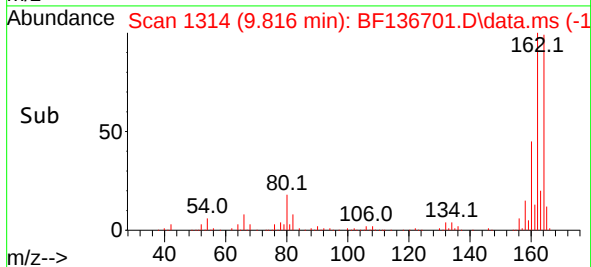
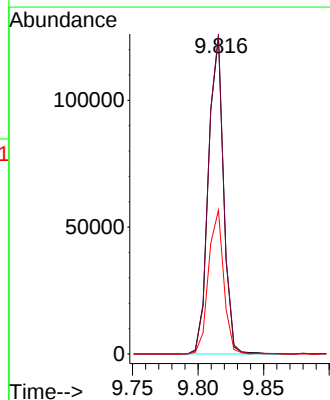
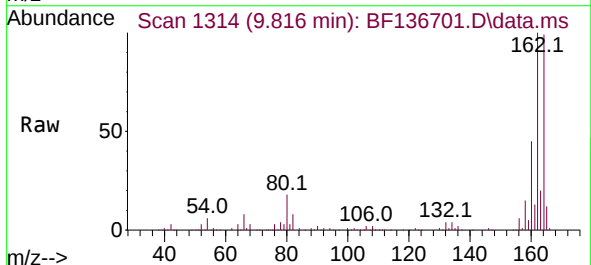
Instrument :
BNA_F
ClientSampleId :
ETGI-345

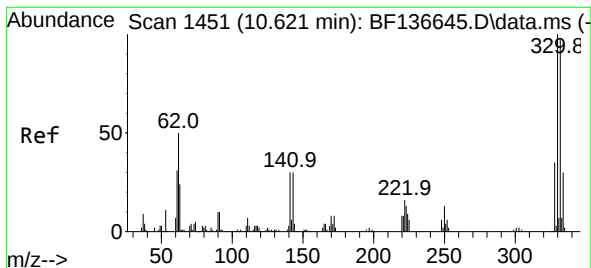
Tgt Ion: 82 Resp: 230121
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion: 164 Resp: 100297
Ion Ratio Lower Upper
164 100
162 101.0 81.6 122.4
160 45.4 34.9 52.3

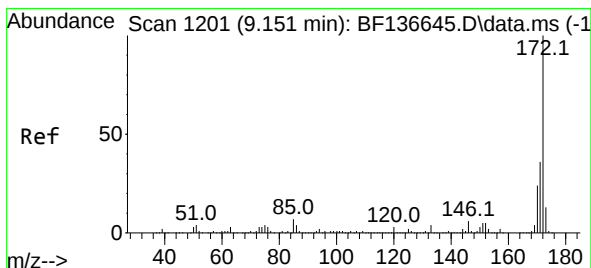
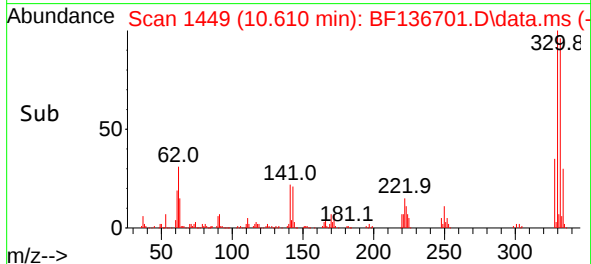
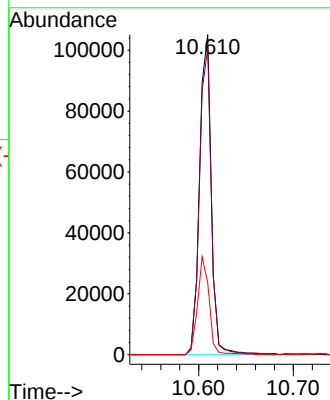
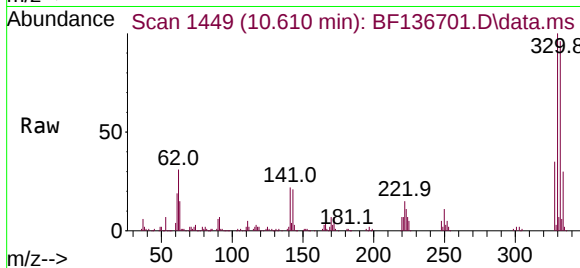




#42
2,4,6-Tribromophenol
Concen: 76.568 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

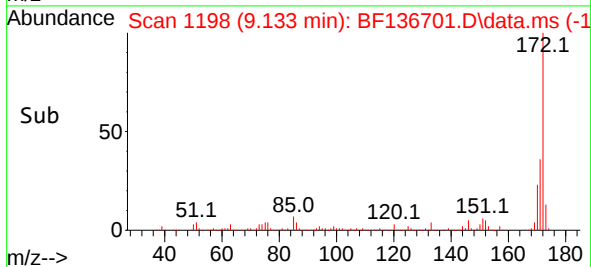
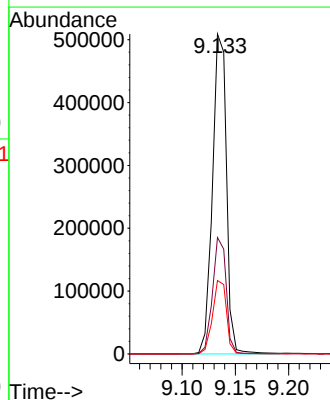
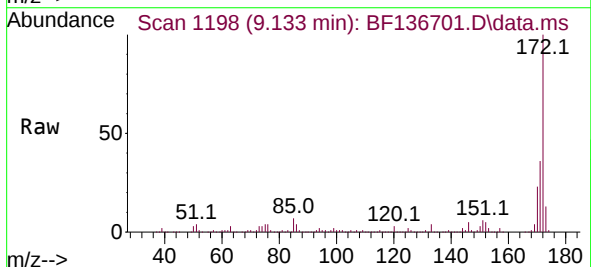
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BNA_F
ClientSampleId :
ETGI-345

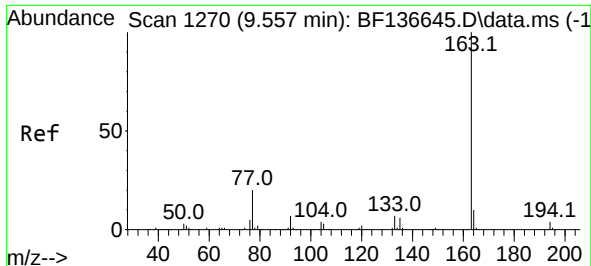
Tgt Ion:330 Resp: 90444
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.0
141 30.3 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 62.753 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion:172 Resp: 467958
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.0 19.0 28.4

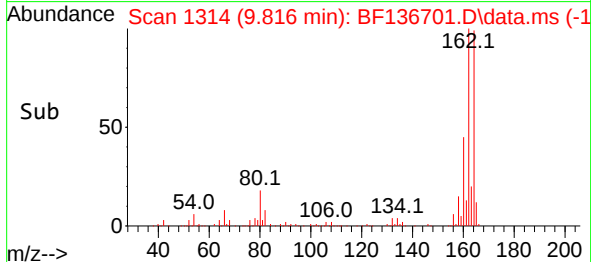
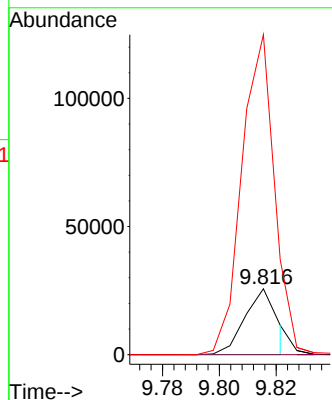
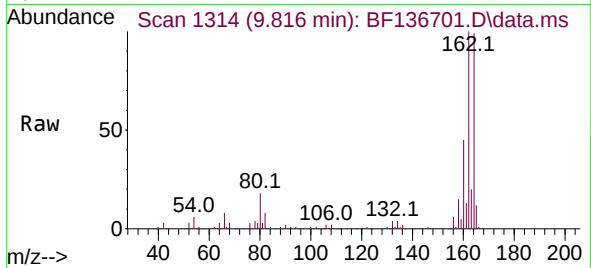




#50
Dimethylphthalate
Concen: 2.749 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

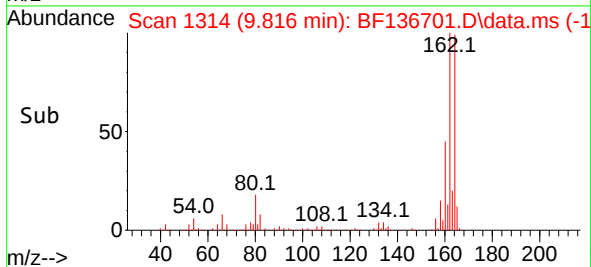
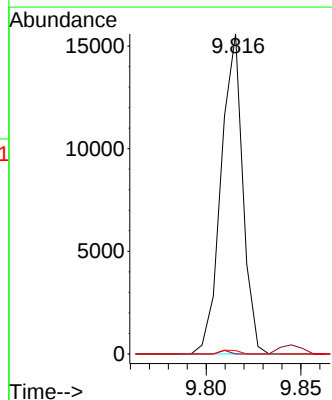
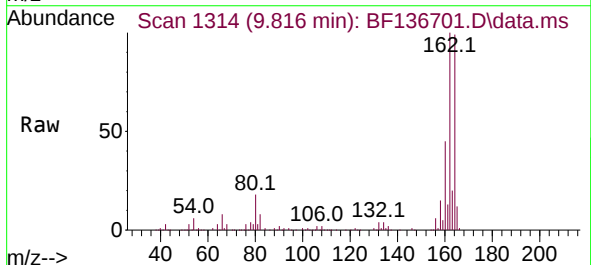
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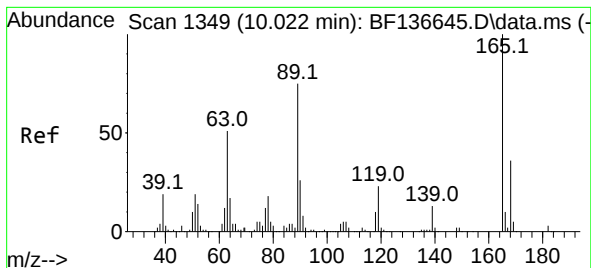
Tgt Ion:163 Resp: 20138
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 485.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.466 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion:165 Resp: 12414
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.1 38.8 58.2#

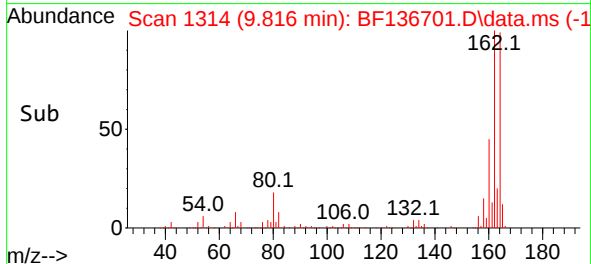
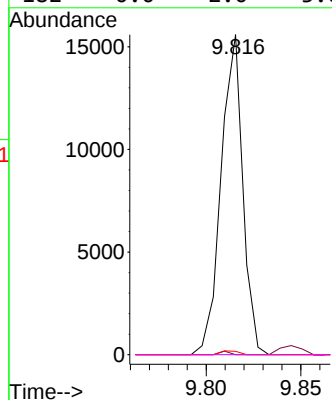
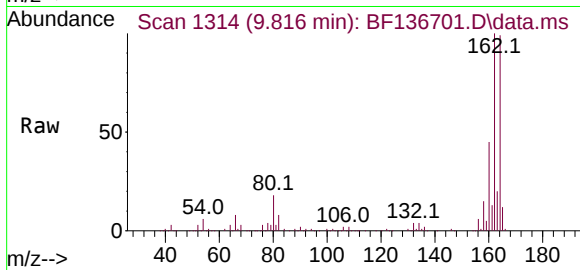




#57
2,4-Dinitrotoluene
Concen: 5.751 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

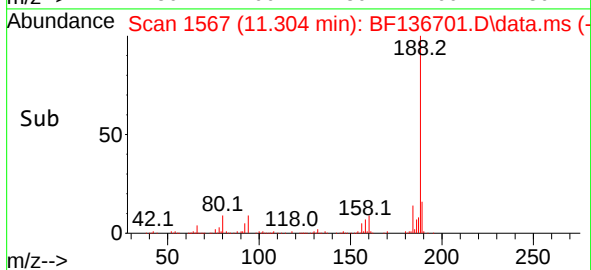
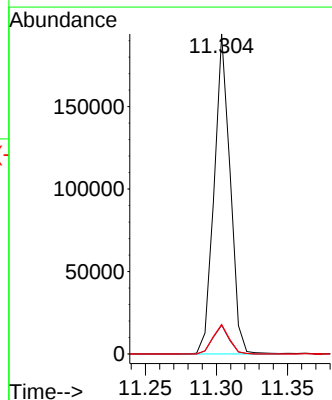
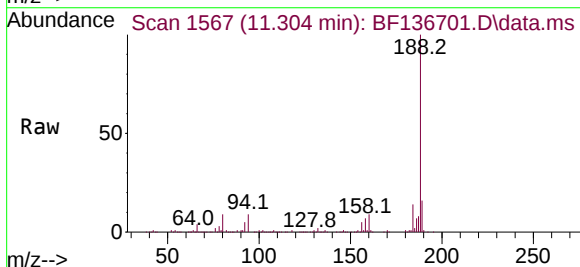
Instrument :
BNA_F
ClientSampleId :
ETGI-345

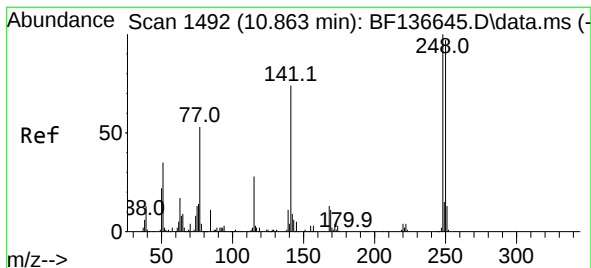
Tgt Ion:165 Resp: 12414
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.1 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion:188 Resp: 152099
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 9.3 8.1 12.1

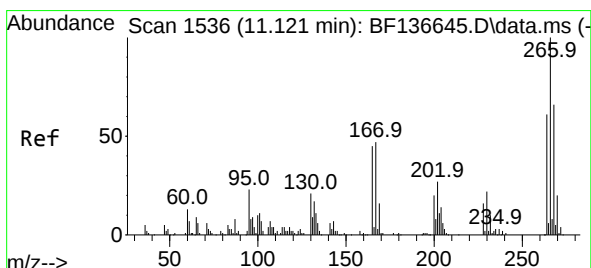
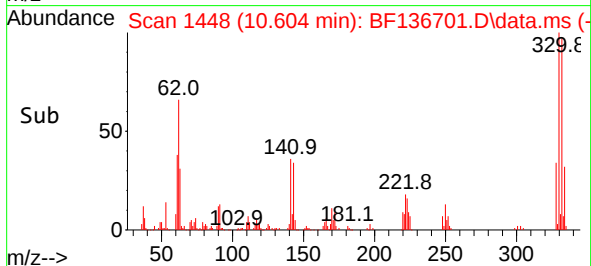
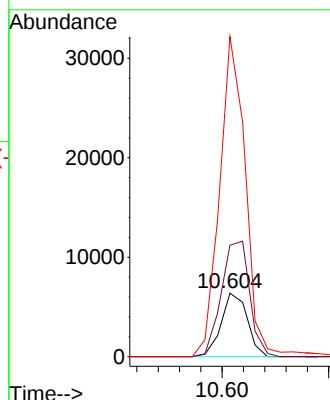
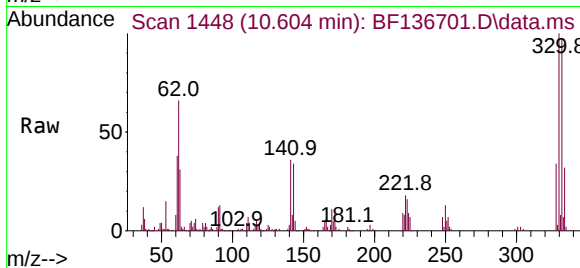




#67
4-Bromophenyl-phenylether
Concen: 3.215 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

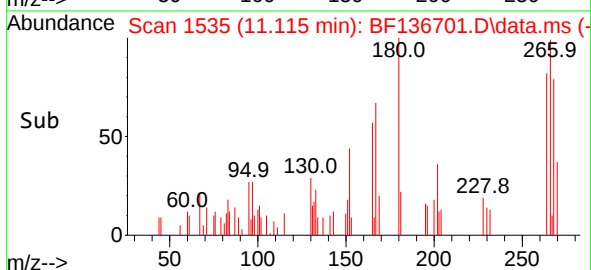
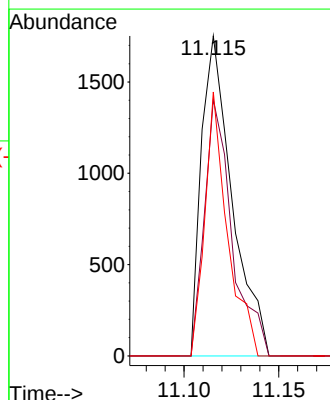
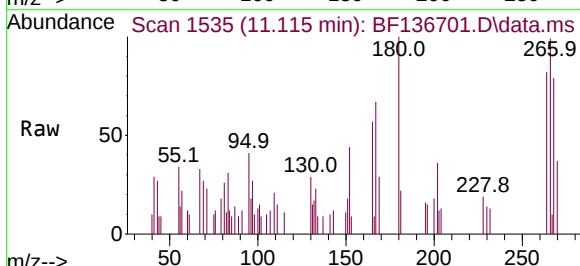
Instrument :
BNA_F
ClientSampleId :
ETGI-345

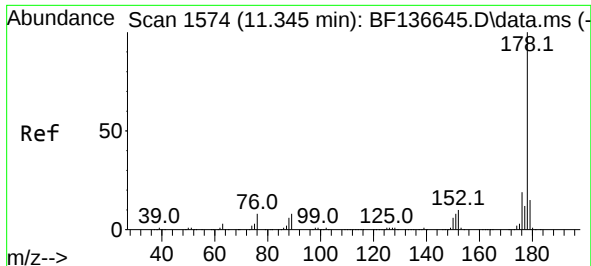
Tgt Ion:248 Resp: 5430
Ion Ratio Lower Upper
248 100
250 175.8 77.8 116.6#
141 503.9 59.2 88.8#



#70
Pentachlorophenol
Concen: 2.251 ng
RT: 11.115 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion:266 Resp: 1975
Ion Ratio Lower Upper
266 100
268 80.1 52.6 78.8#
264 82.5 49.0 73.4#

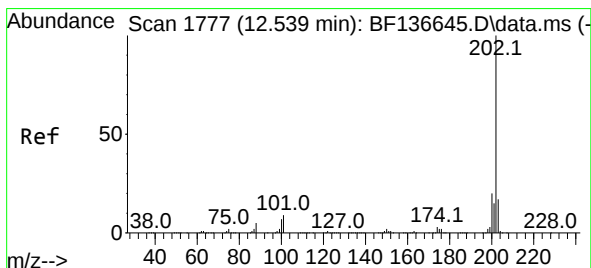
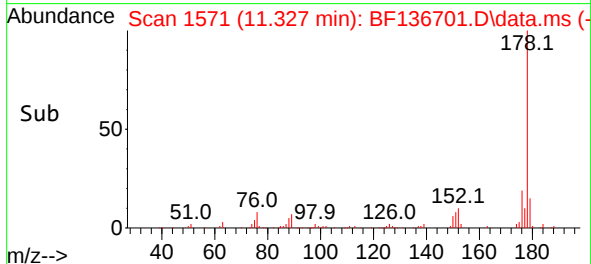
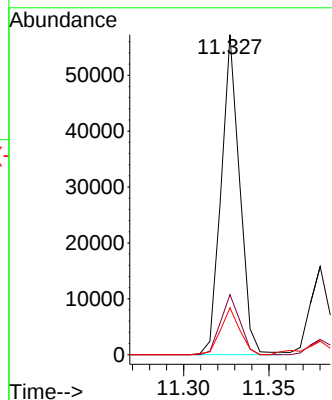
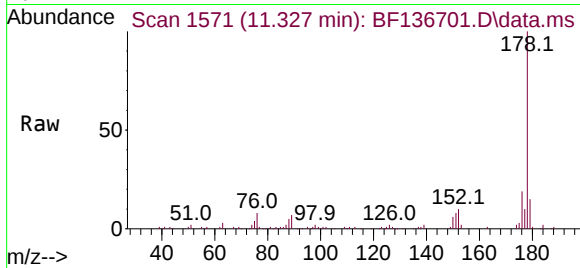




#71
Phenanthrene
Concen: 5.549 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

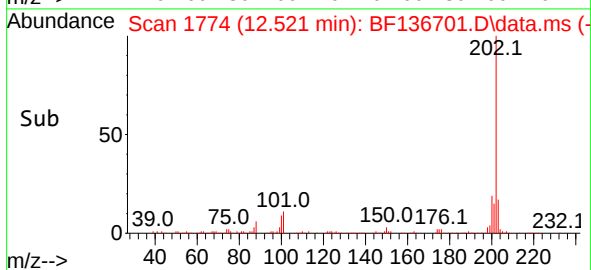
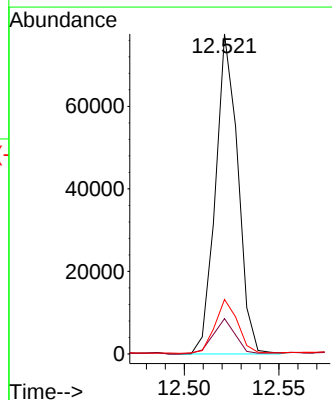
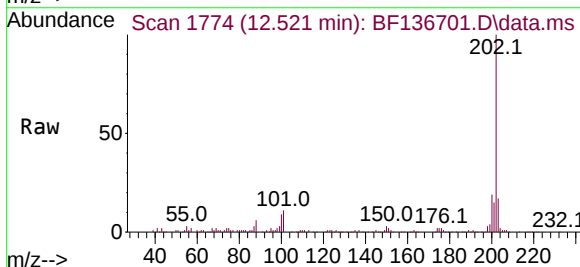
Instrument :
BNA_F
ClientSampleId :
ETGI-345

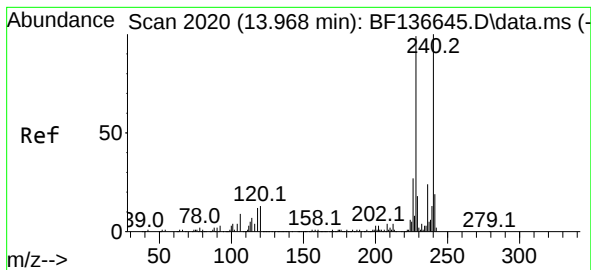
Tgt Ion:178 Resp: 43306
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.6 11.9 17.9



#75
Fluoranthene
Concen: 7.653 ng
RT: 12.521 min Scan# 1774
Delta R.T. -0.018 min
Lab File: BF136701.D
Acq: 22 Dec 2023 23:29

Tgt Ion:202 Resp: 63885
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.3
203 17.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.956 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

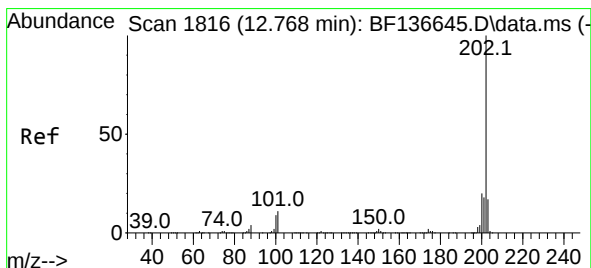
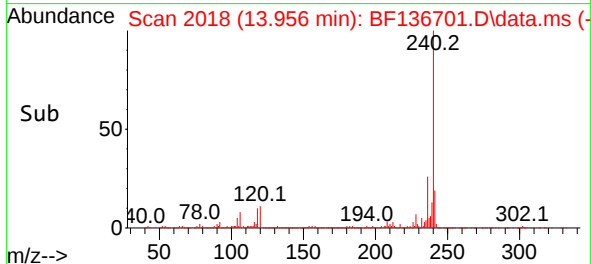
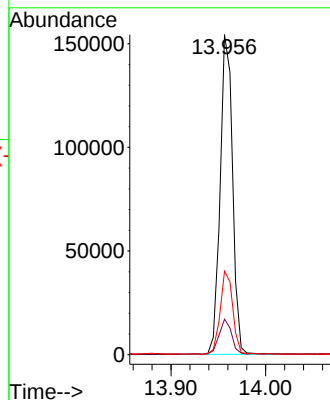
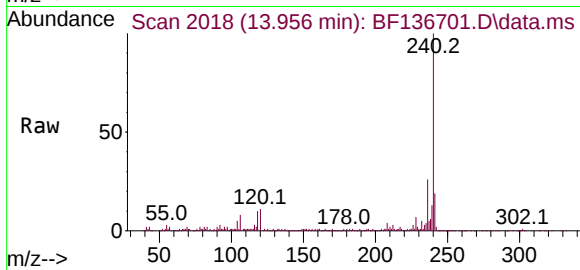
Tgt Ion:240 Resp: 141243

Ion Ratio Lower Upper

240 100

120 11.1 10.3 15.5

236 26.1 19.4 29.2



#78

Pyrene

Concen: 4.262 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.018 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

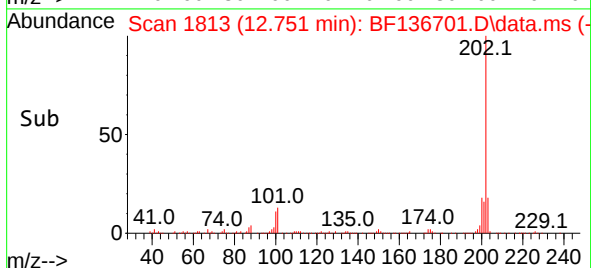
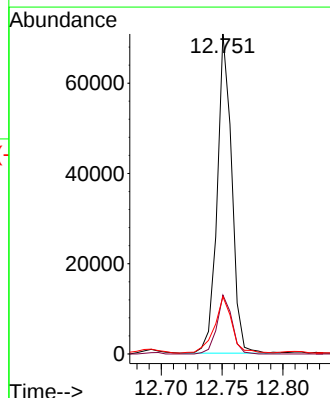
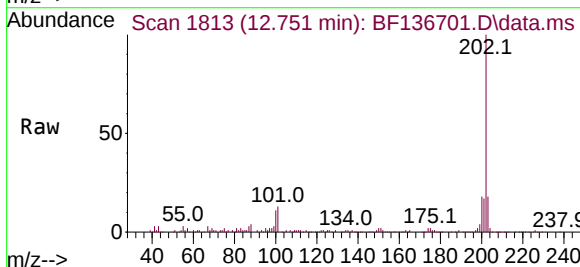
Tgt Ion:202 Resp: 59091

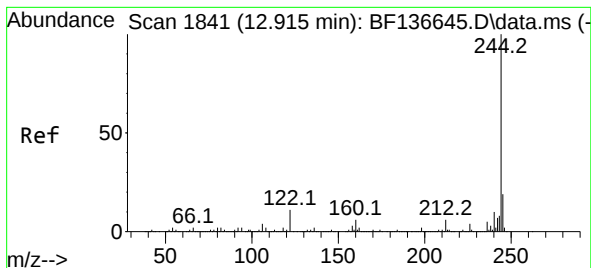
Ion Ratio Lower Upper

202 100

200 18.4 15.9 23.9

203 17.9 13.8 20.6





#79

Terphenyl-d14

Concen: 42.933 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

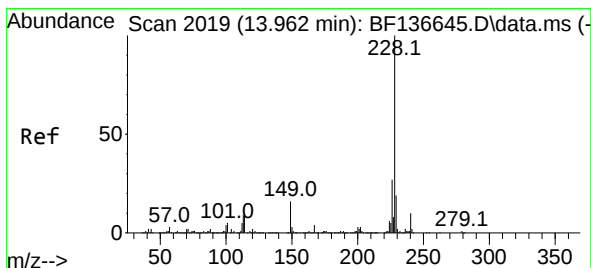
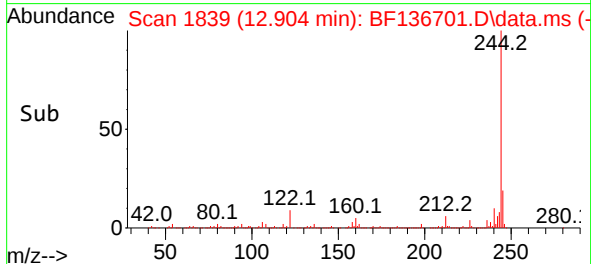
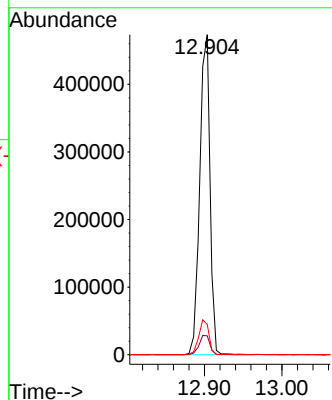
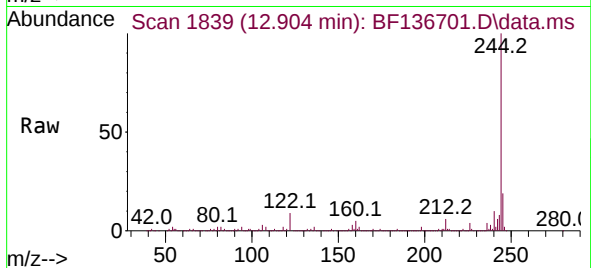
Tgt Ion:244 Resp: 433924

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 9.4 9.0 13.4



#81

Benzo(a)anthracene

Concen: 2.884 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

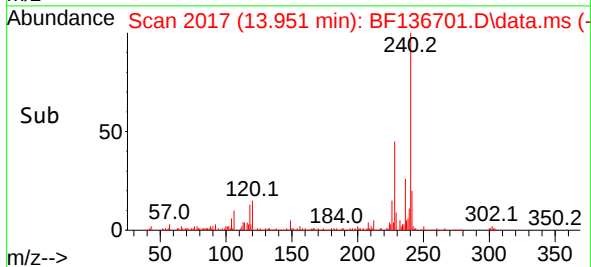
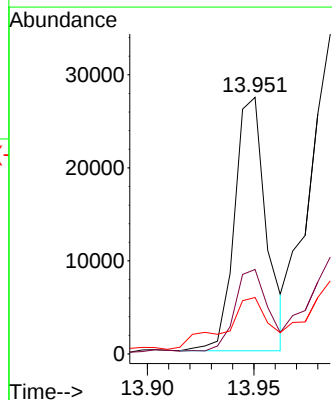
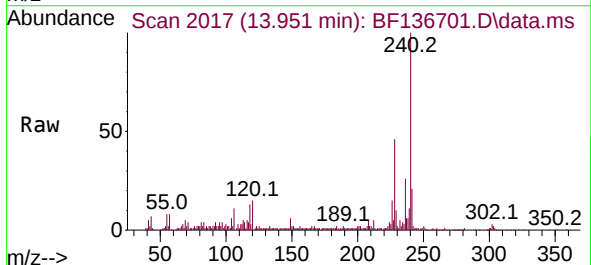
Tgt Ion:228 Resp: 28283

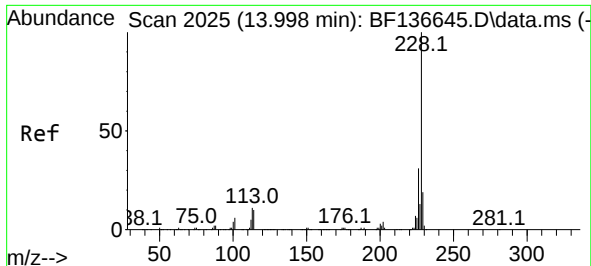
Ion Ratio Lower Upper

228 100

226 32.9 21.4 32.0#

229 22.0 14.9 22.3





#83

Chrysene

Concen: 3.665 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

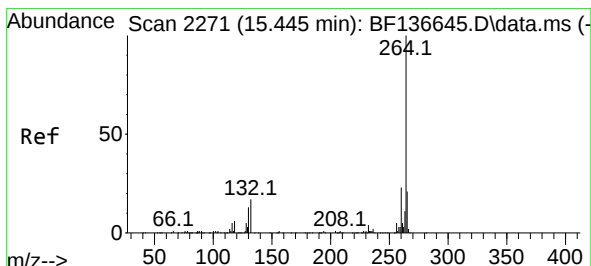
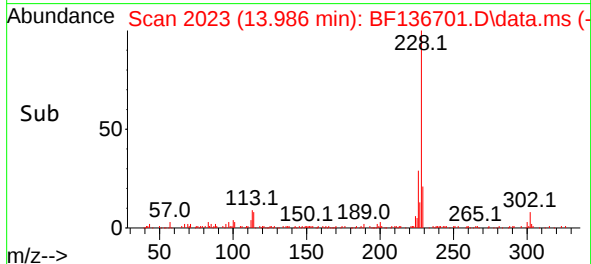
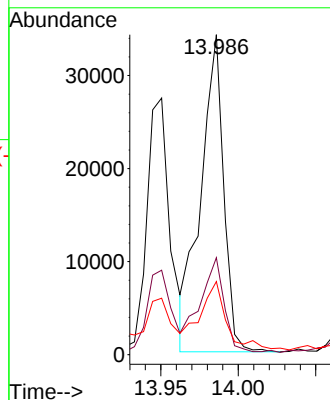
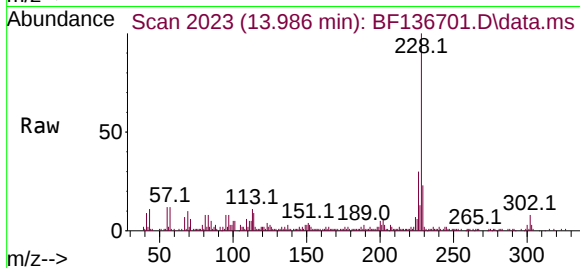
Instrument :

BNA_F

ClientSampleId :

ETGI-345

Tgt Ion:228	Resp:	35155
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.7 37.1
229	22.9	15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

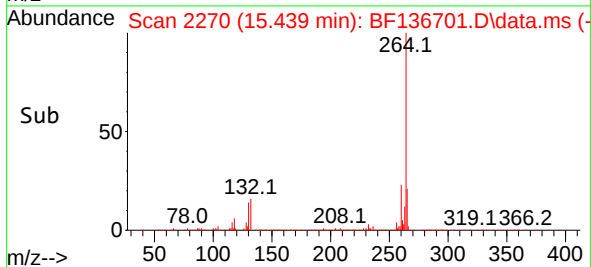
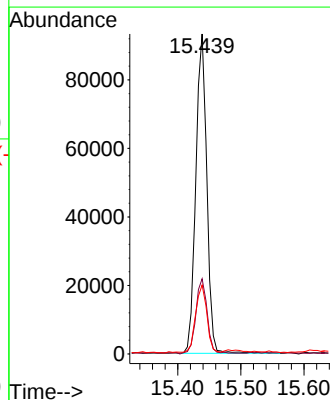
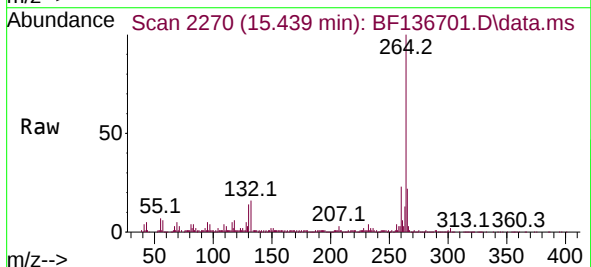
RT: 15.439 min Scan# 2270

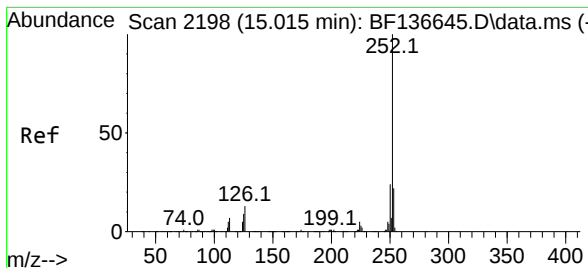
Delta R.T. -0.006 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Tgt Ion:264	Resp:	112366
Ion Ratio	Lower	Upper
264	100	
260	23.5	18.3 27.5
265	21.5	17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 7.997 ng

RT: 15.003 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

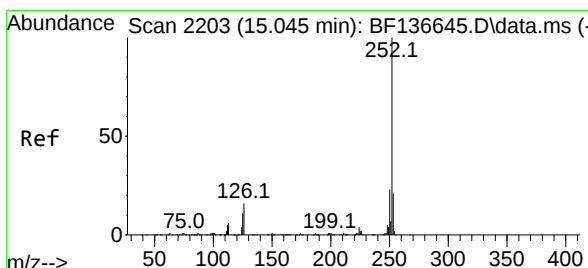
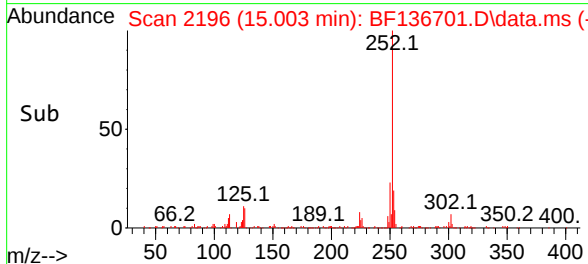
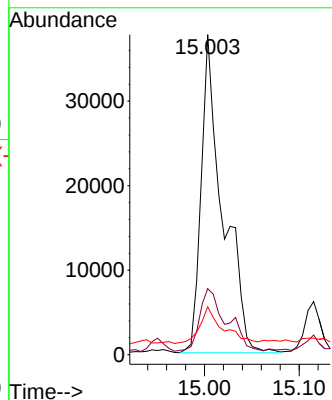
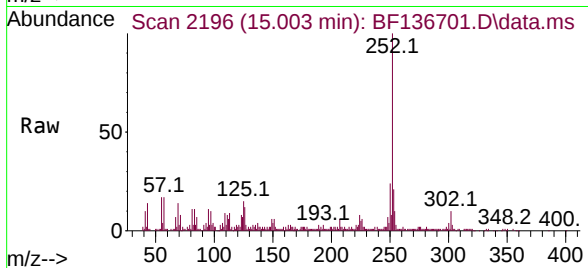
Tgt Ion:252 Resp: 60021

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.0

125 15.0 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 8.464 ng

RT: 15.003 min Scan# 2196

Delta R.T. -0.041 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

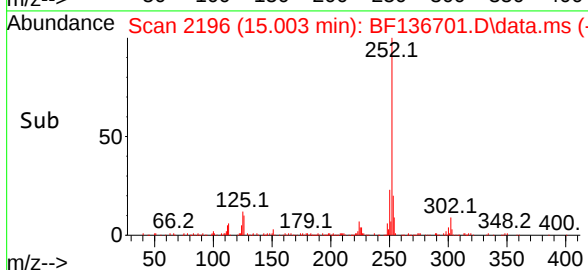
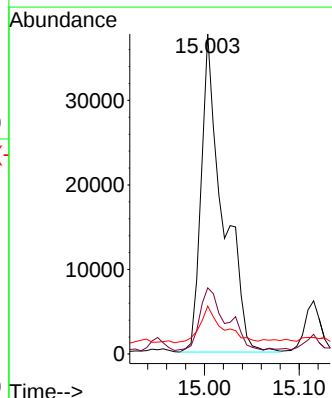
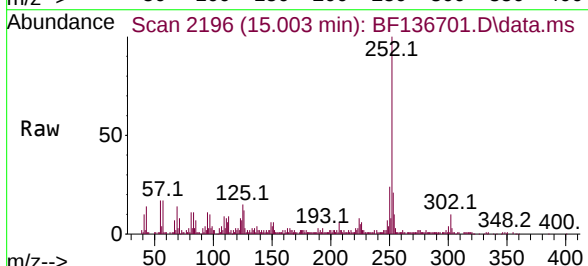
Tgt Ion:252 Resp: 60021

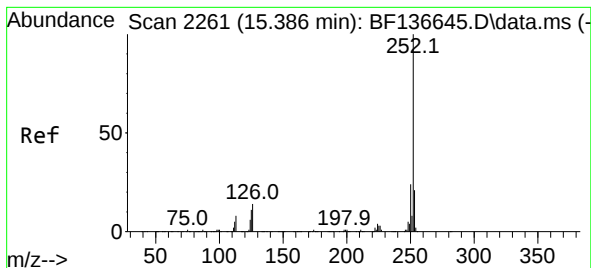
Ion Ratio Lower Upper

252 100

253 20.7 17.0 25.6

125 15.0 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.987 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Instrument :

BNA_F

ClientSampleId :

ETGI-345

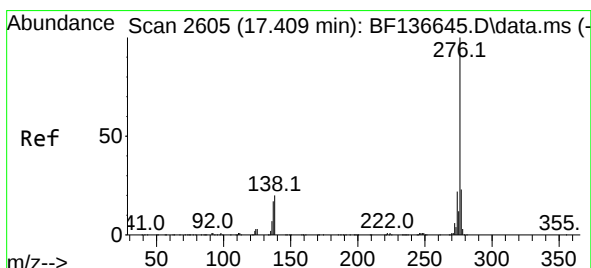
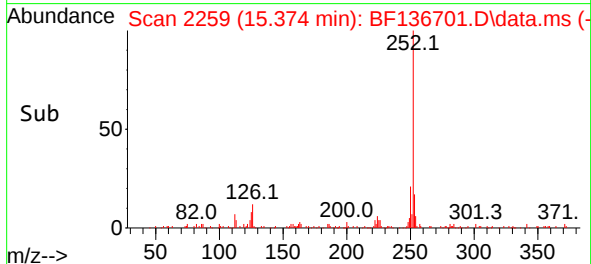
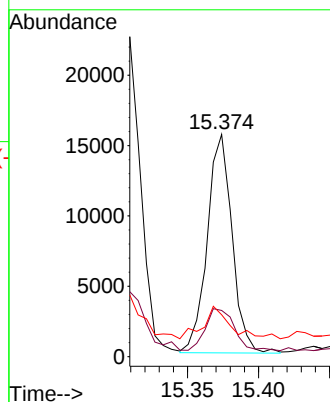
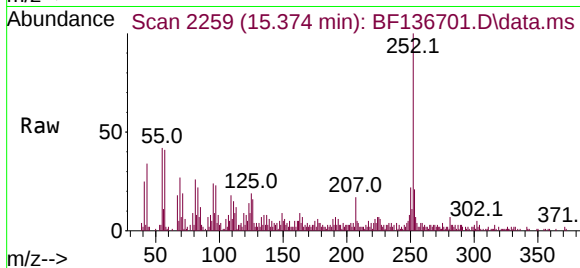
Tgt Ion:252 Resp: 18921

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.6

125 18.8 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.326 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.030 min

Lab File: BF136701.D

Acq: 22 Dec 2023 23:29

Tgt Ion:276 Resp: 15857

Ion Ratio Lower Upper

276 100

277 25.4 18.3 27.5

138 24.3 15.6 23.4#

