

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF142006.D
 Acq On : 19 Mar 2025 15:15
 Operator : RC/JU
 Sample : Q1598-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354

Quant Time: Mar 20 03:27:53 2025
 Quant Title :
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

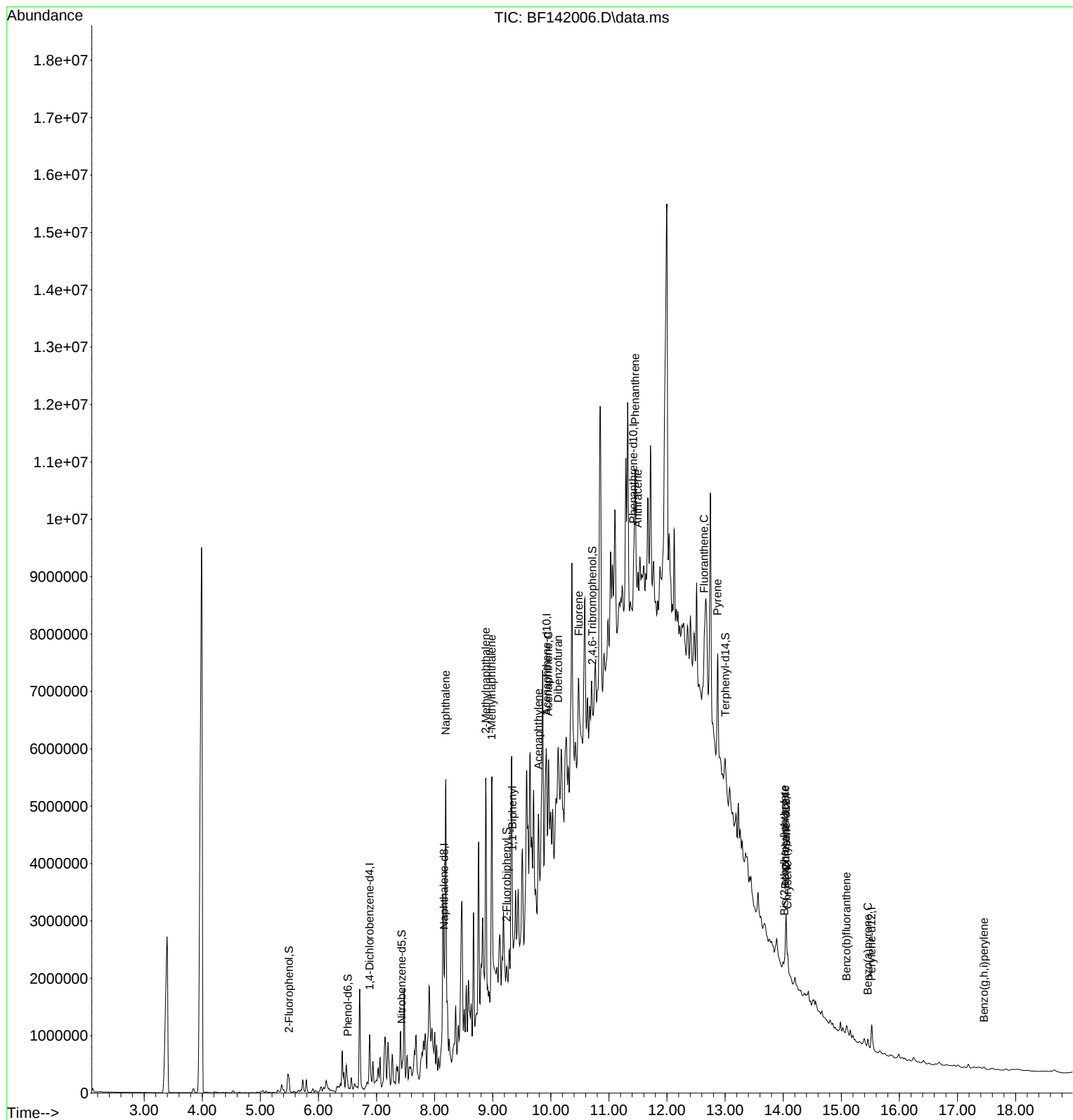
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	166611	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	576860	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	262090	20.000	ng	0.01
64) Phenanthrene-d10	11.422	188	379277	20.000	ng	# 0.02
76) Chrysene-d12	14.051	240	345616	20.000	ng	0.01
86) Perylene-d12	15.521	264	252798	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	53716	5.381	ng	0.00
7) Phenol-d6	6.504	99	77835	6.124	ng	0.00
23) Nitrobenzene-d5	7.434	82	58641	5.721	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	21537	6.477	ng	0.01
45) 2-Fluorobiphenyl	9.239	172	109974	6.381	ng	0.00
79) Terphenyl-d14	13.004	244	109140	4.669	ng	0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.192	128	3009584	101.564	ng	98
37) 2-Methylnaphthalene	8.881	142	1589596	80.256	ng	100
38) 1-Methylnaphthalene	8.981	142	1076077	56.300	ng	99
46) 1,1'-Biphenyl	9.339	154	211318	10.612	ng	99
49) Acenaphthylene	9.786	152	363077	16.484	ng	# 82
52) Acenaphthene	9.957	154	414944	26.807	ng	95
55) Dibenzofuran	10.128	168	71238m	3.221	ng	
58) Fluorene	10.480	166	539582	31.635	ng	# 87
71) Phenanthrene	11.451	178	1348863	65.843	ng	# 96
72) Anthracene	11.498	178	344556	16.764	ng	# 85
75) Fluoranthene	12.639	202	420625	19.356	ng	92
78) Pyrene	12.869	202	644009	21.542	ng	97
81) Benzo(a)anthracene	14.039	228	222304	9.802	ng	# 81
83) Chrysene	14.074	228	192536	9.365	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.021	149	74078	4.591	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	105399m	6.083	ng	
90) Benzo(a)pyrene	15.457	252	95226	7.024	ng	# 88
92) Benzo(g,h,i)perylene	17.456	276	32798	2.460	ng	92

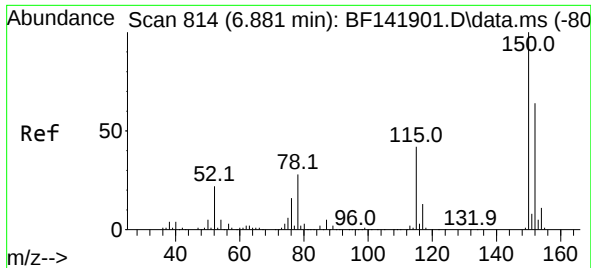
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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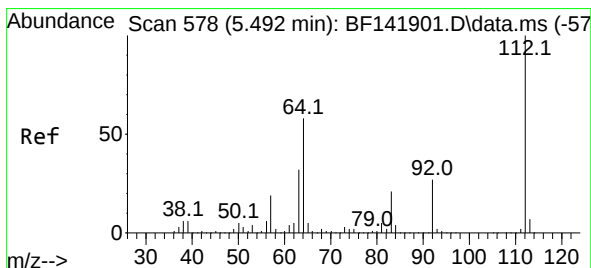
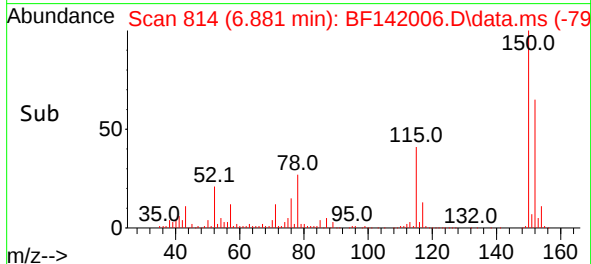
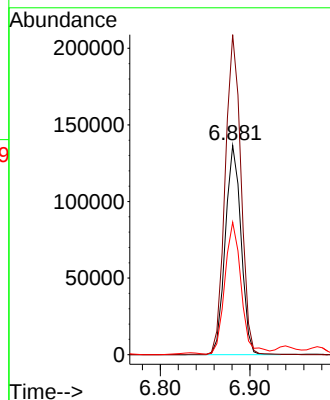
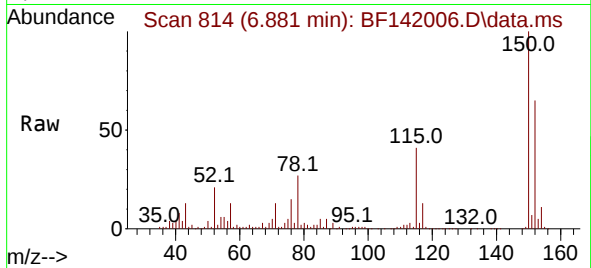




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

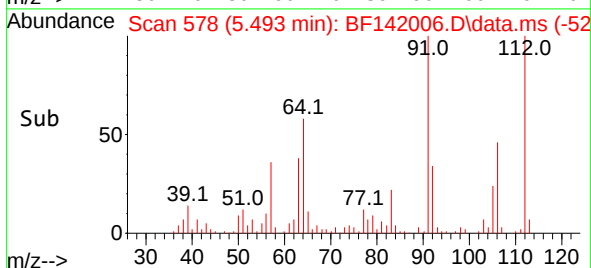
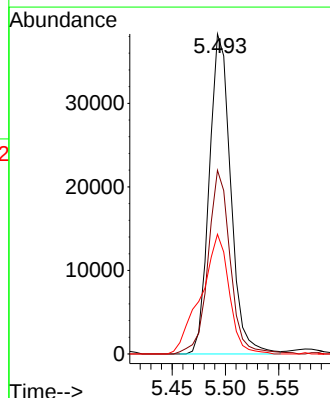
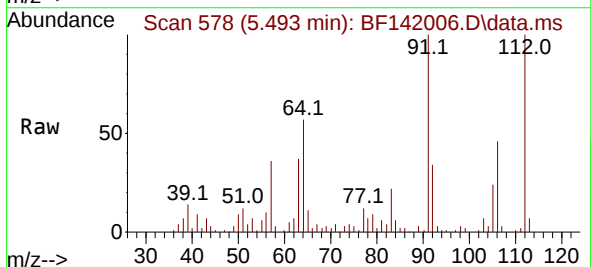
Instrument :
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ETGI-354

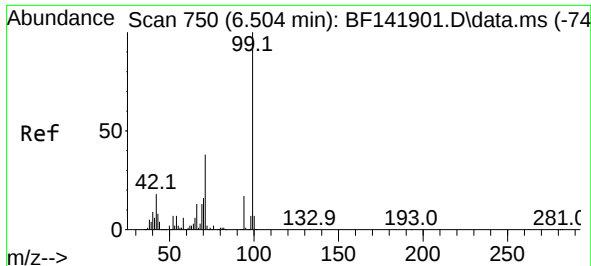
Tgt Ion:152 Resp: 166611
Ion Ratio Lower Upper
152 100
150 152.9 127.4 191.2
115 63.3 51.9 77.9



#5
2-Fluorophenol
Concen: 5.381 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

Tgt Ion:112 Resp: 53716
Ion Ratio Lower Upper
112 100
64 57.4 46.5 69.7
63 37.4 25.4 38.2





#7
Phenol-d6
Concen: 6.124 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

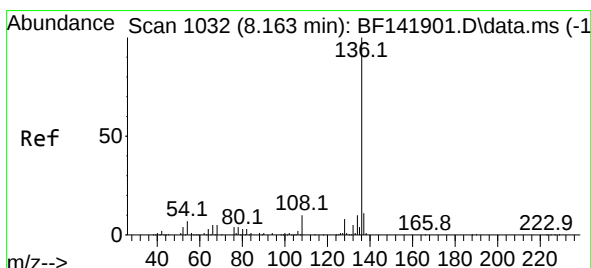
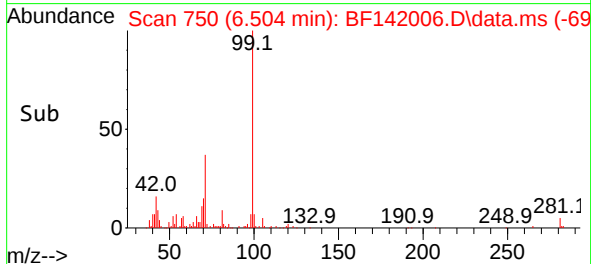
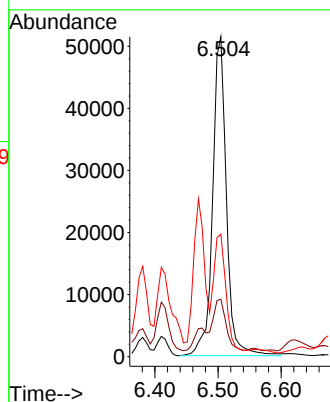
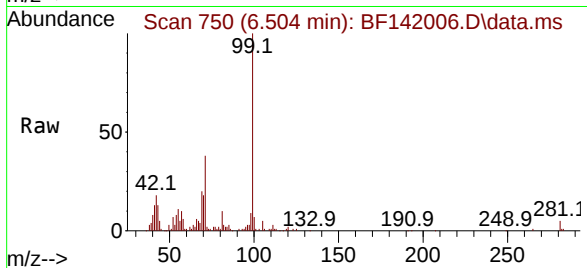
Instrument :

BNA_F

ClientSampleId :

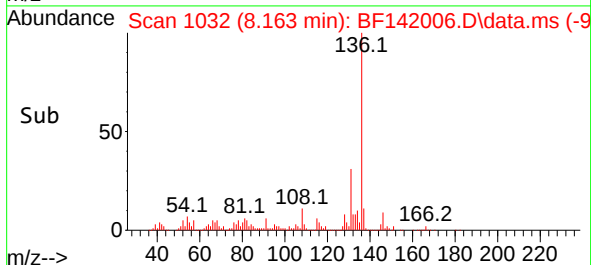
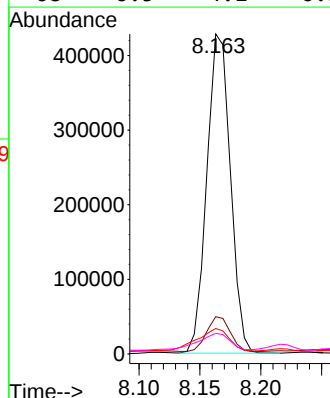
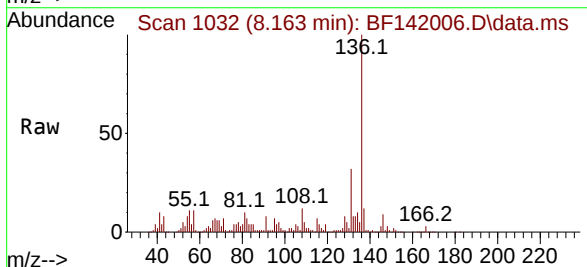
ETGI-354

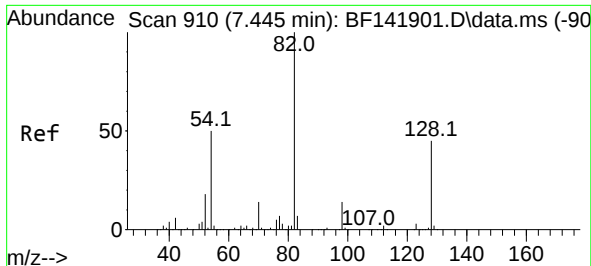
Tgt Ion: 99 Resp: 77835
Ion Ratio Lower Upper
99 100
42 17.9 14.6 21.8
71 38.3 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

Tgt Ion: 136 Resp: 576860
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.0 5.8 8.8
68 6.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 5.721 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

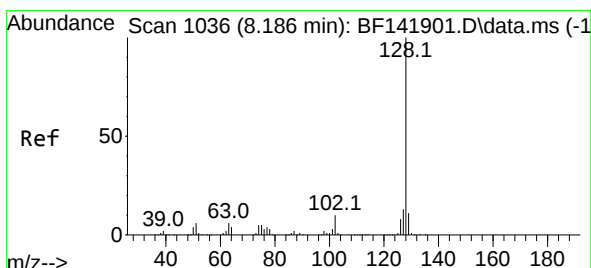
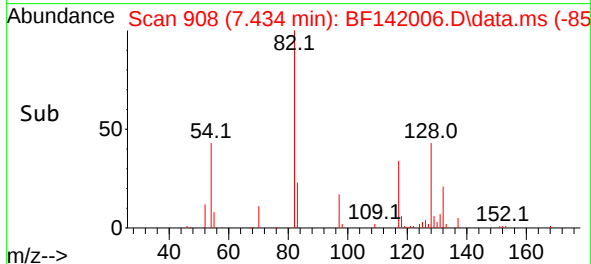
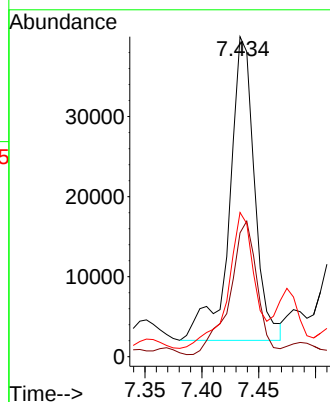
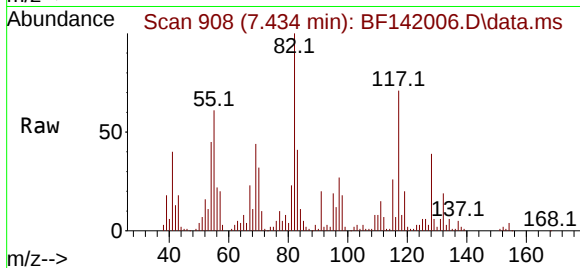
Tgt Ion: 82 Resp: 58641

Ion Ratio Lower Upper

82 100

128 38.7 36.0 54.0

54 45.1 39.6 59.4



#31

Naphthalene

Concen: 101.564 ng

RT: 8.192 min Scan# 1037

Delta R.T. 0.006 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

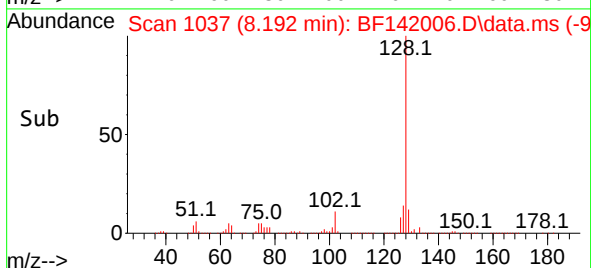
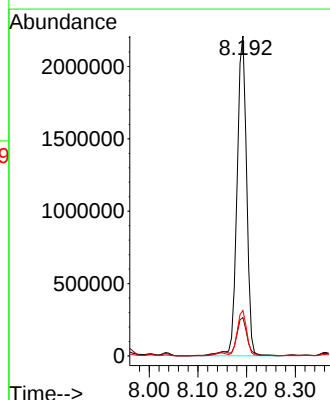
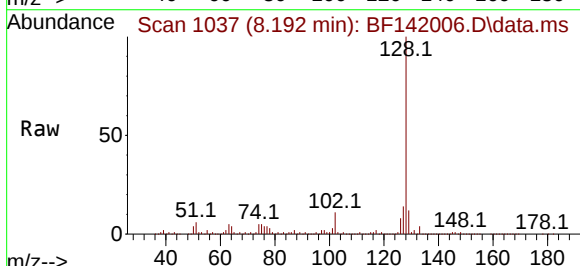
Tgt Ion:128 Resp: 3009584

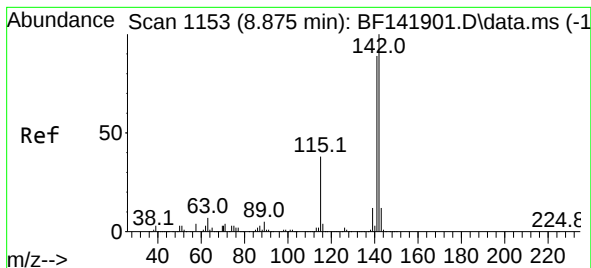
Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

127 14.2 10.8 16.2





#37

2-Methylnaphthalene

Concen: 80.256 ng

RT: 8.881 min Scan# 1153

Delta R.T. 0.006 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

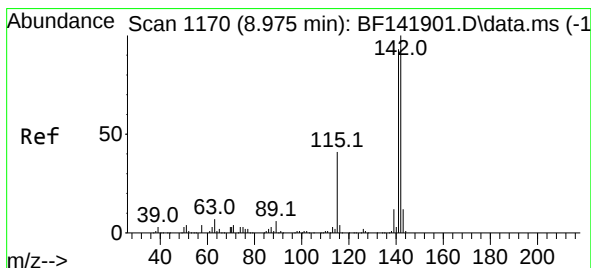
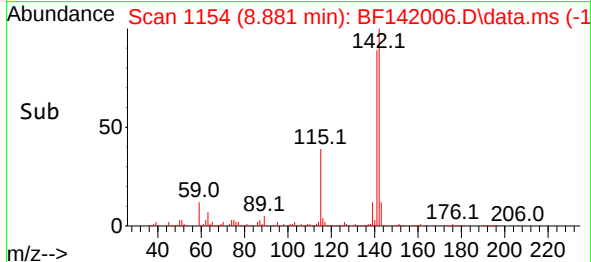
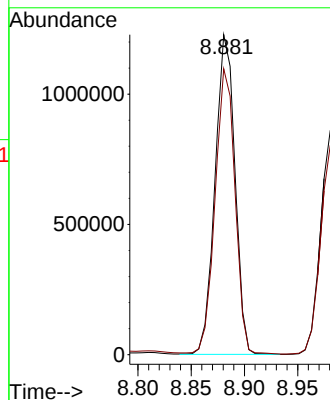
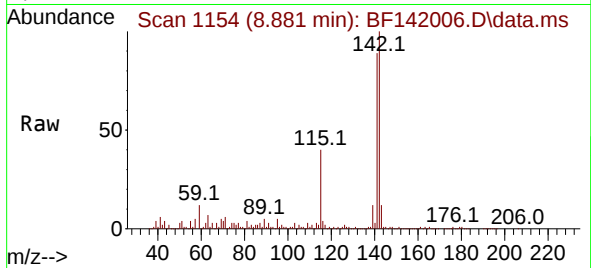
ETGI-354

Tgt Ion:142 Resp: 1589596

Ion Ratio Lower Upper

142 100

141 89.4 71.2 106.8



#38

1-Methylnaphthalene

Concen: 56.300 ng

RT: 8.981 min Scan# 1171

Delta R.T. 0.006 min

Lab File: BF142006.D

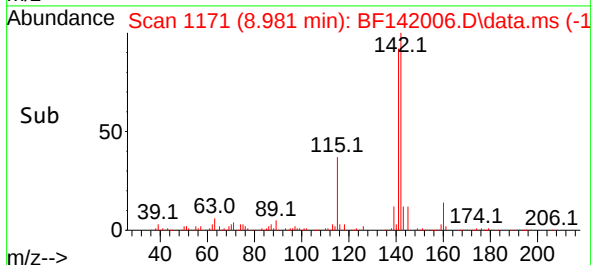
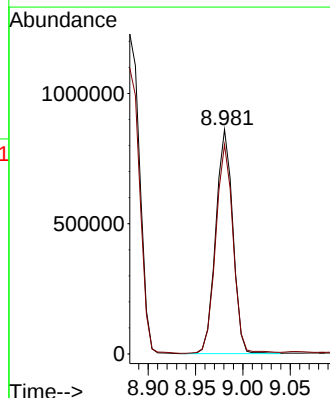
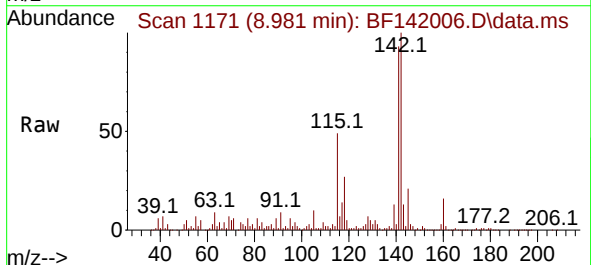
Acq: 19 Mar 2025 15:15

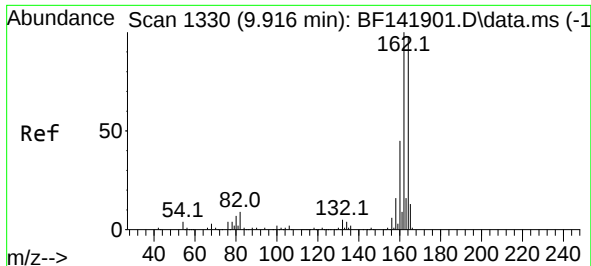
Tgt Ion:142 Resp: 1076077

Ion Ratio Lower Upper

142 100

141 93.3 74.2 111.4

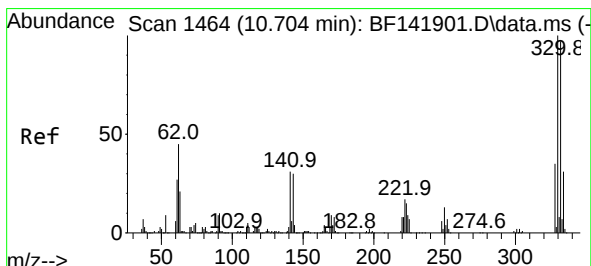
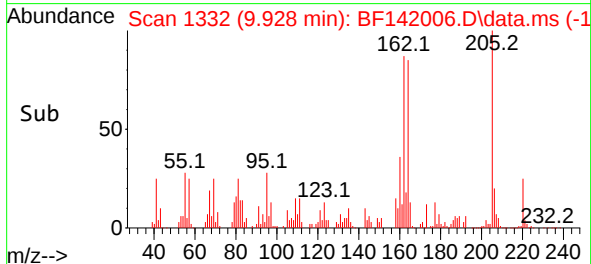
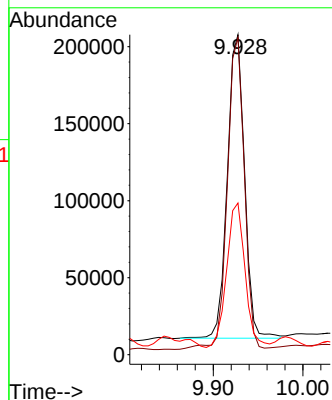
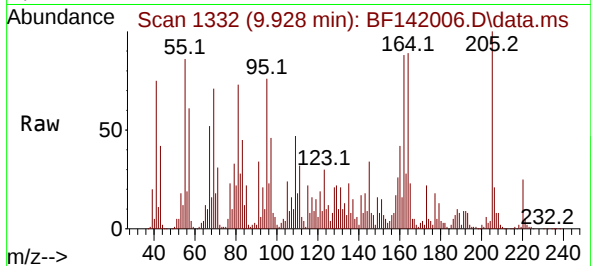




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

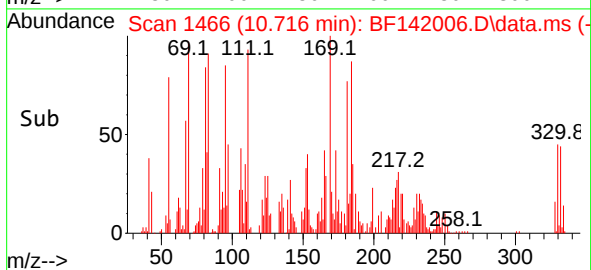
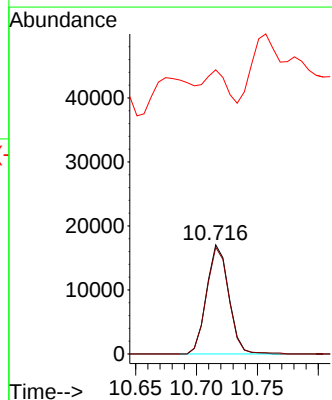
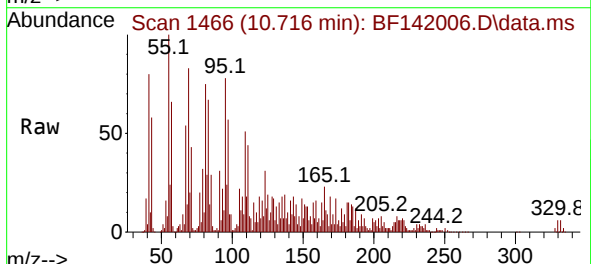
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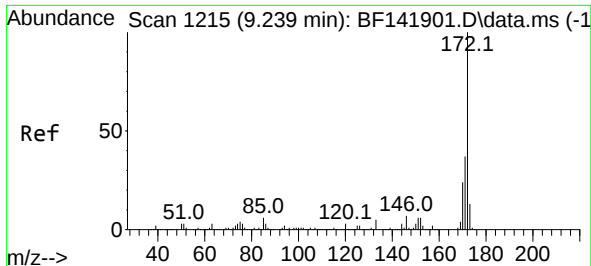
Tgt Ion:164 Resp: 262090
Ion Ratio Lower Upper
164 100
162 99.1 81.8 122.6
160 47.4 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 6.477 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.012 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

Tgt Ion:330 Resp: 21537
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 24.3 24.7 37.1#





#45

2-Fluorobiphenyl

Concen: 6.381 ng

RT: 9.239 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

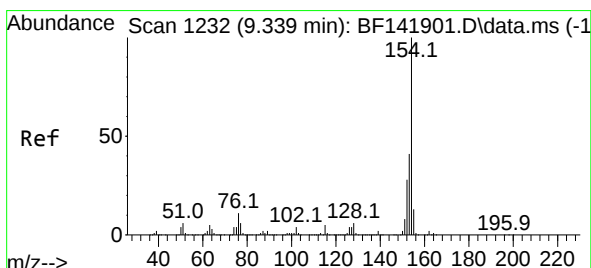
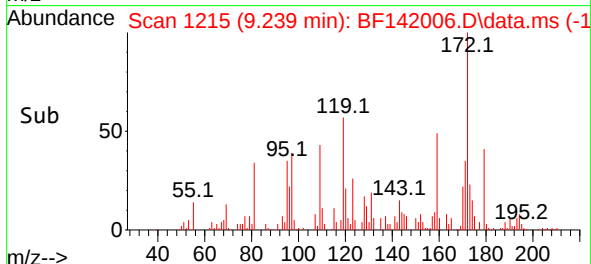
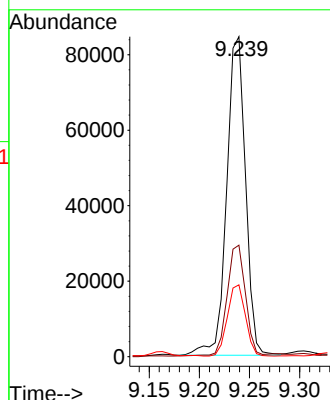
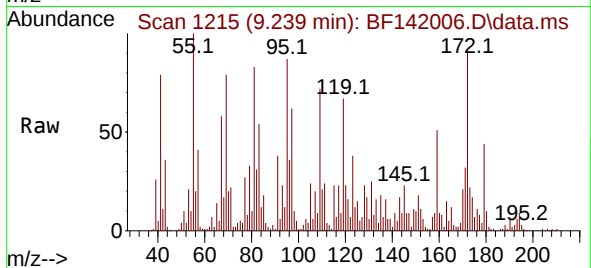
Tgt Ion:172 Resp: 109974

Ion Ratio Lower Upper

172 100

171 34.8 29.3 43.9

170 22.4 19.4 29.0



#46

1,1'-Biphenyl

Concen: 10.612 ng

RT: 9.339 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

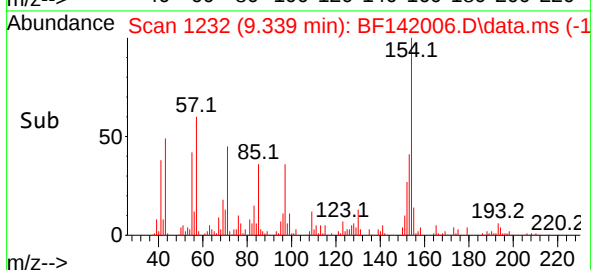
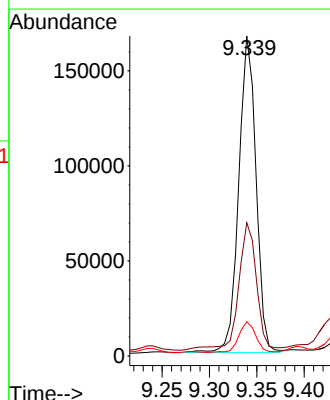
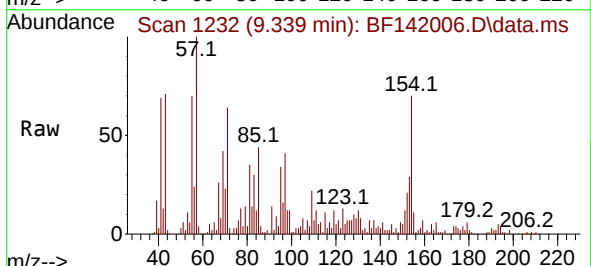
Tgt Ion:154 Resp: 211318

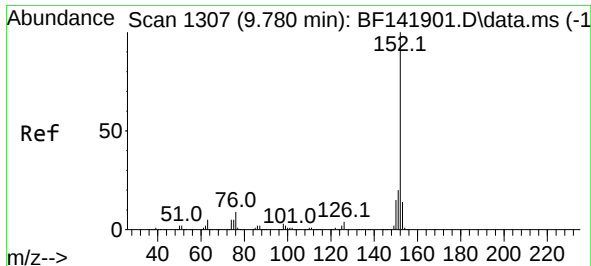
Ion Ratio Lower Upper

154 100

153 41.7 21.1 61.1

76 10.7 0.0 31.3

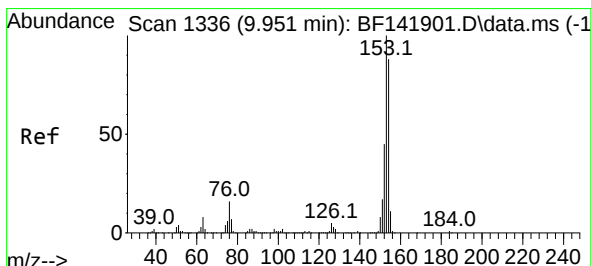
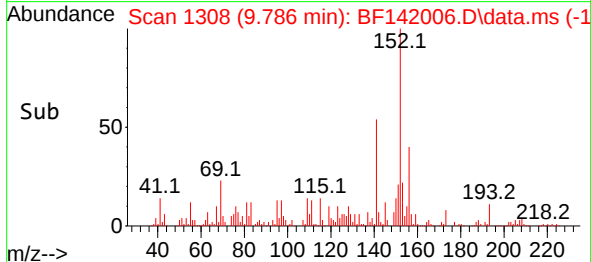
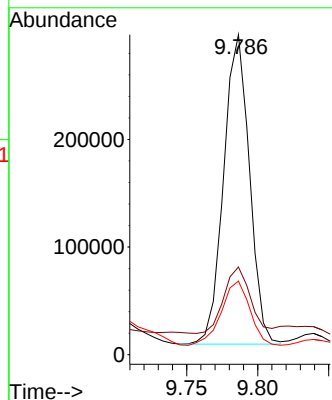
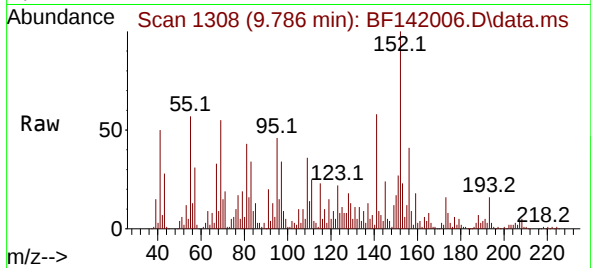




#49
Acenaphthylene
Concen: 16.484 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

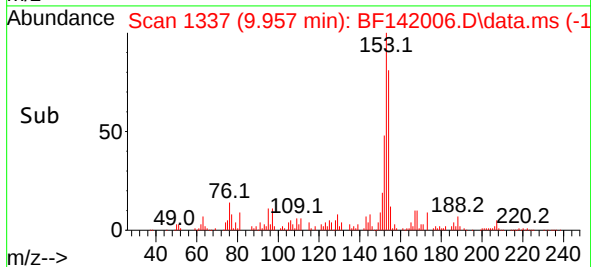
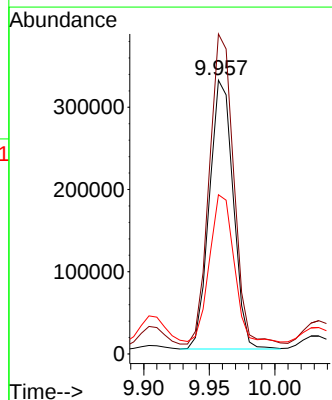
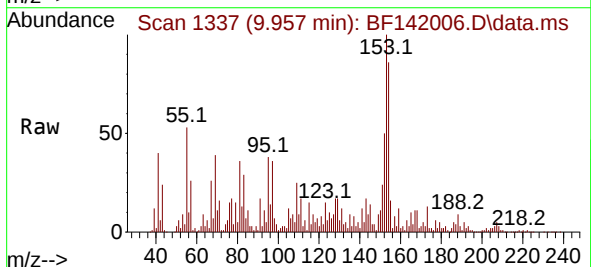
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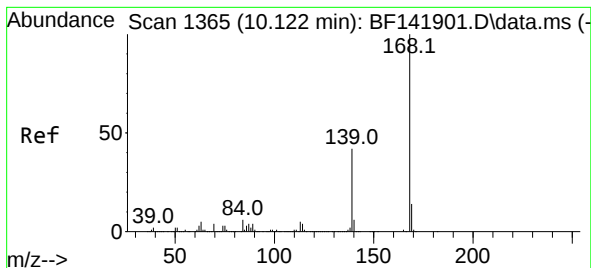
Tgt Ion:152 Resp: 363077
Ion Ratio Lower Upper
152 100
151 27.4 16.3 24.5#
153 23.0 11.1 16.7#



#52
Acenaphthene
Concen: 26.807 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

Tgt Ion:154 Resp: 414944
Ion Ratio Lower Upper
154 100
153 116.9 90.7 136.1
152 58.2 41.1 61.7

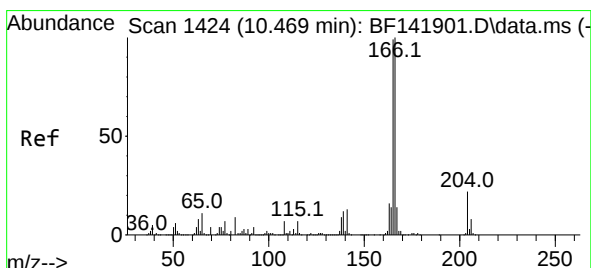
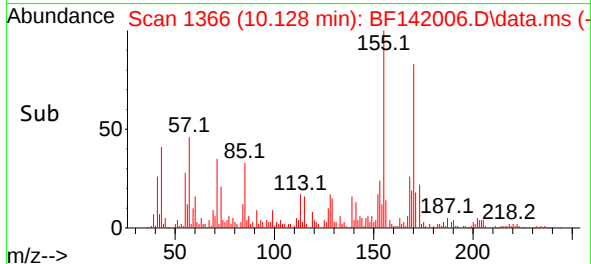
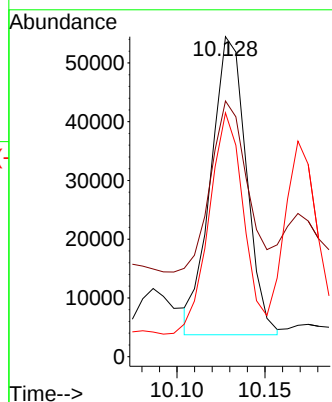
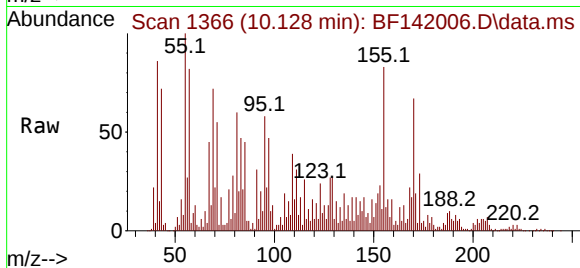




#55
Dibenzenofuran
Concen: 3.221 ng m
RT: 10.128 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

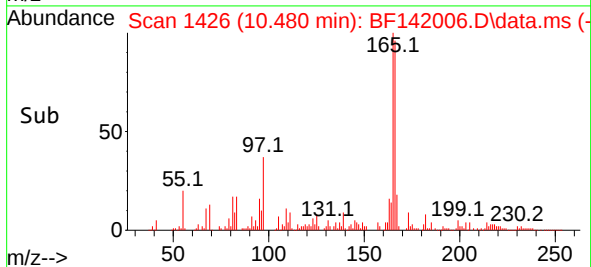
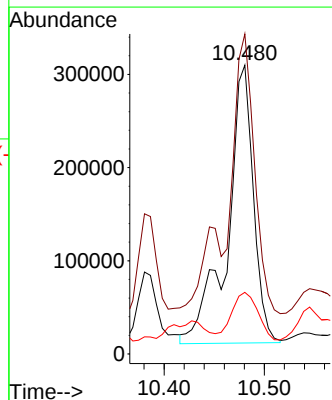
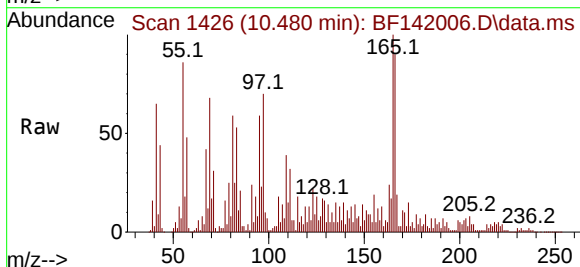
Instrument :
BNA_F
ClientSampleId :
ETGI-354

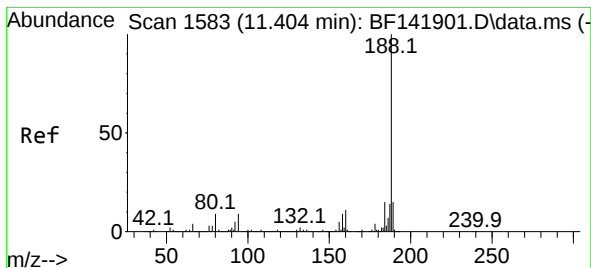
Tgt Ion:168 Resp: 71238
Ion Ratio Lower Upper
168 100
139 79.9 33.9 50.9#
169 76.2 11.0 16.4#



#58
Fluorene
Concen: 31.635 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF142006.D
Acq: 19 Mar 2025 15:15

Tgt Ion:166 Resp: 539582
Ion Ratio Lower Upper
166 100
165 110.8 79.0 118.4
167 21.3 11.0 16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

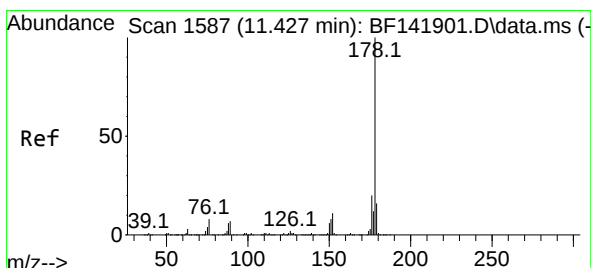
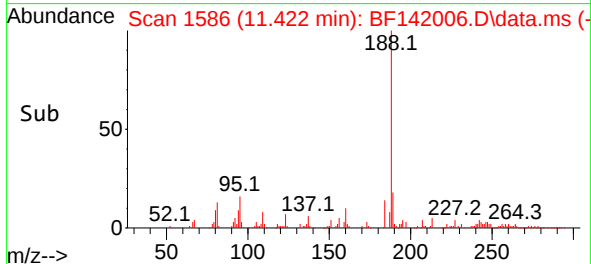
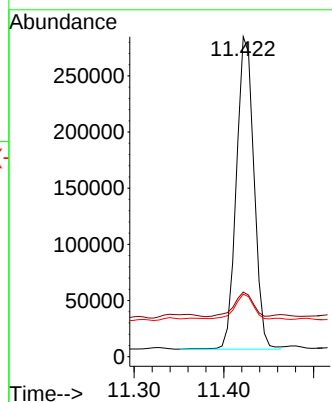
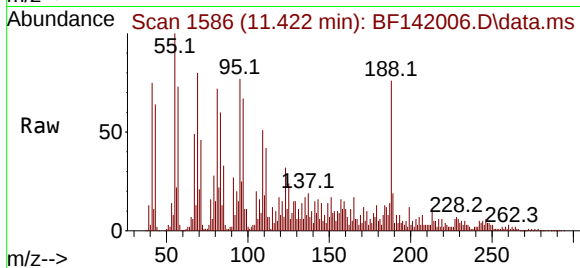
Tgt Ion:188 Resp: 379277

Ion Ratio Lower Upper

188 100

94 20.2 6.8 10.2#

80 19.6 7.6 11.4#



#71

Phenanthrene

Concen: 65.843 ng

RT: 11.451 min Scan# 1591

Delta R.T. 0.024 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

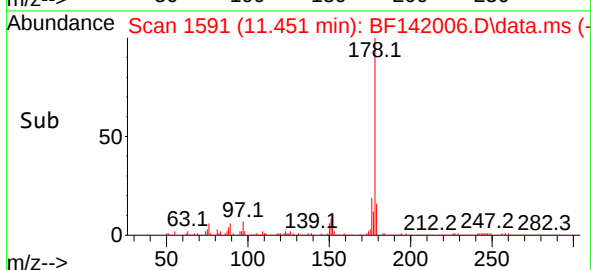
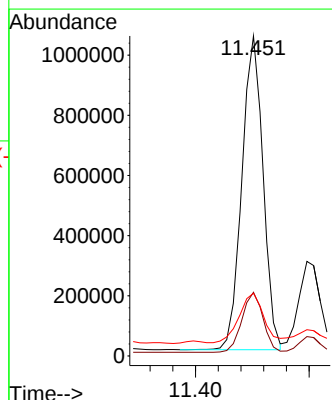
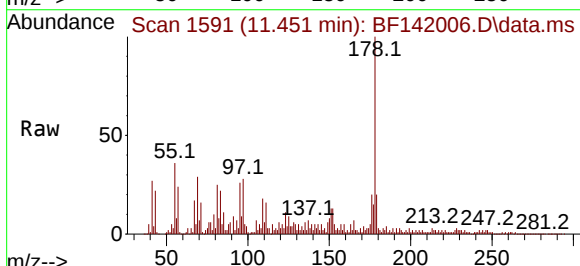
Tgt Ion:178 Resp: 1348863

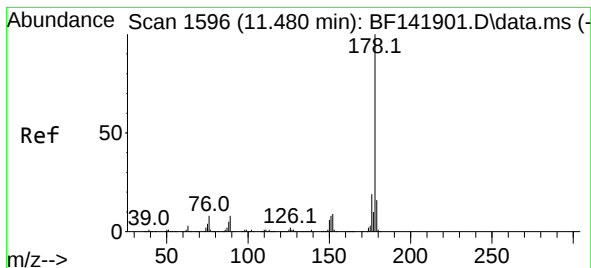
Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

179 19.6 12.6 19.0#





#72

Anthracene

Concen: 16.764 ng

RT: 11.498 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

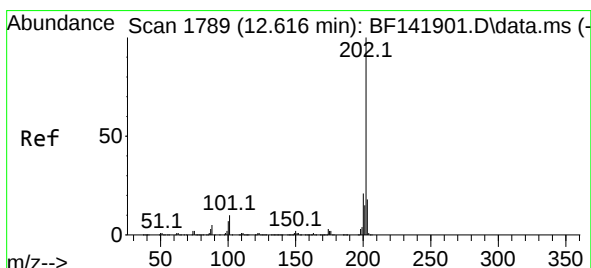
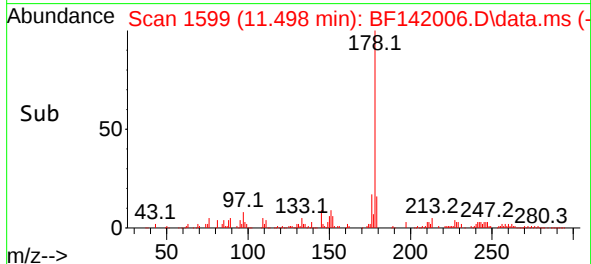
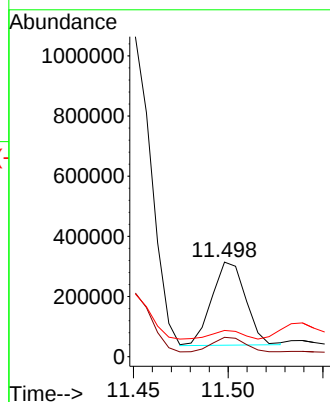
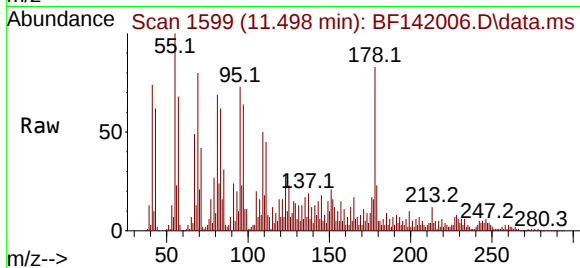
Tgt Ion:178 Resp: 344556

Ion Ratio Lower Upper

178 100

176 20.4 15.1 22.7

179 27.7 12.6 19.0#



#75

Fluoranthene

Concen: 19.356 ng

RT: 12.639 min Scan# 1793

Delta R.T. 0.024 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

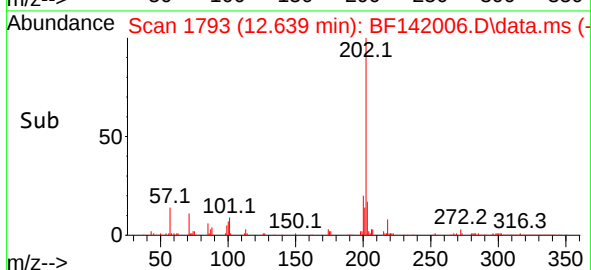
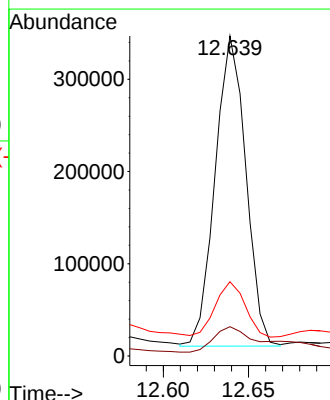
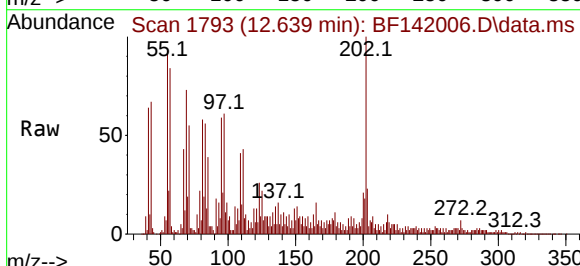
Tgt Ion:202 Resp: 420625

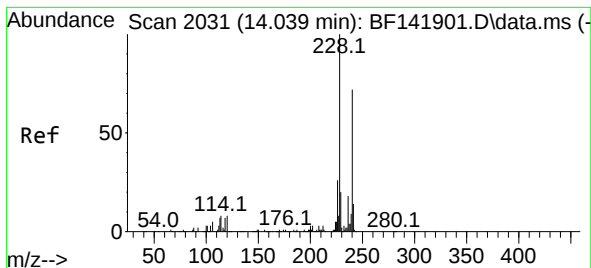
Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.7

203 23.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

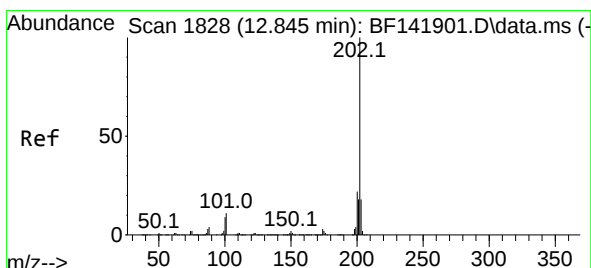
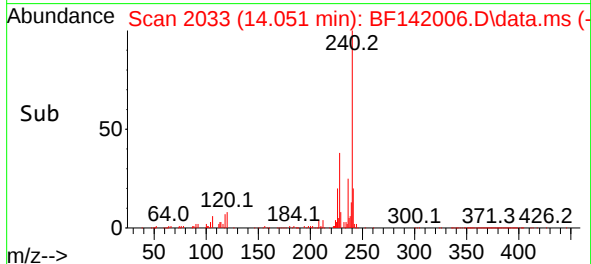
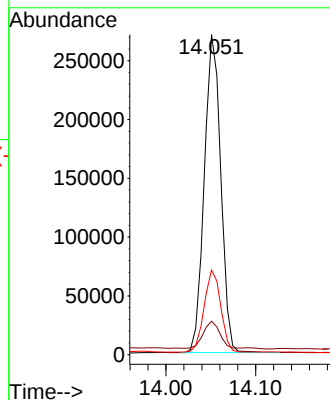
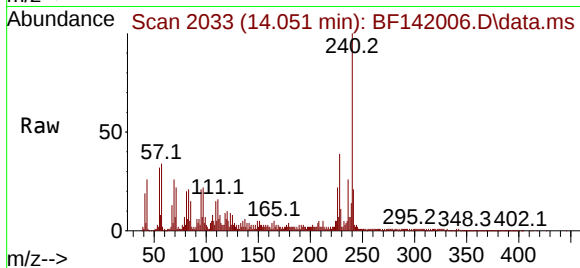
Tgt Ion:240 Resp: 345616

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

236 26.5 20.5 30.7



#78

Pyrene

Concen: 21.542 ng

RT: 12.869 min Scan# 1832

Delta R.T. 0.024 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

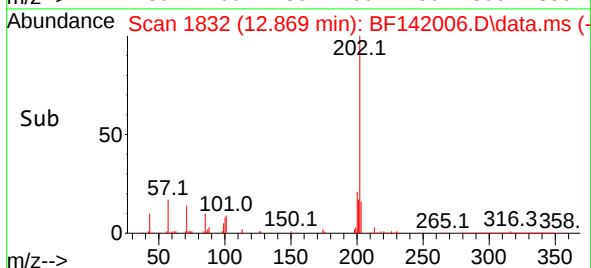
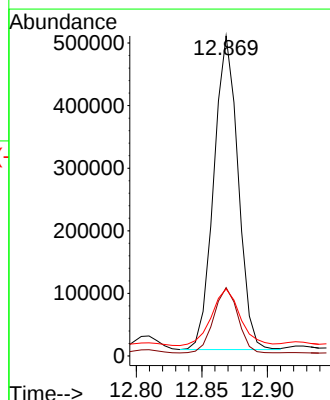
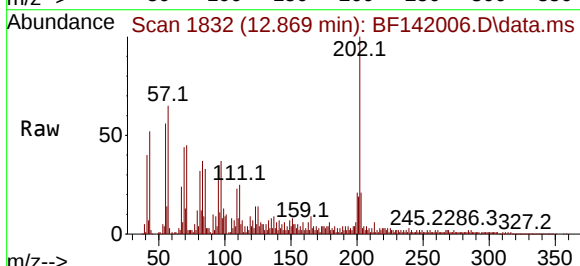
Tgt Ion:202 Resp: 644009

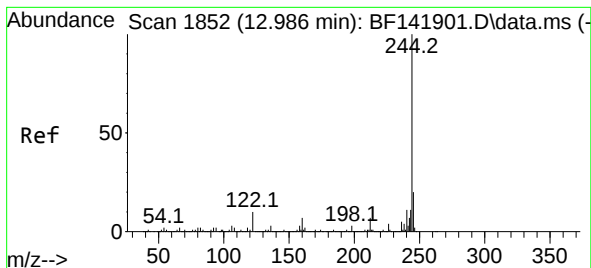
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 21.0 14.4 21.6





#79

Terphenyl-d14

Concen: 4.669 ng

RT: 13.004 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

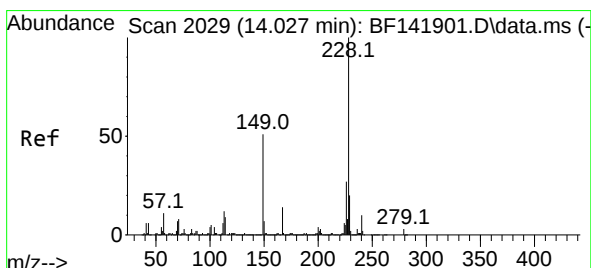
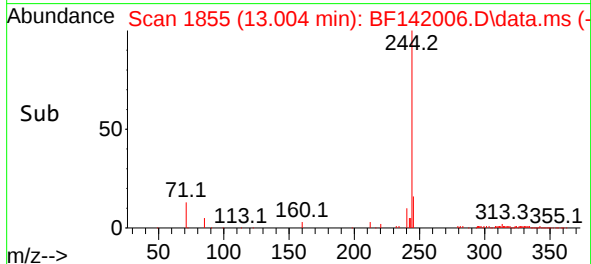
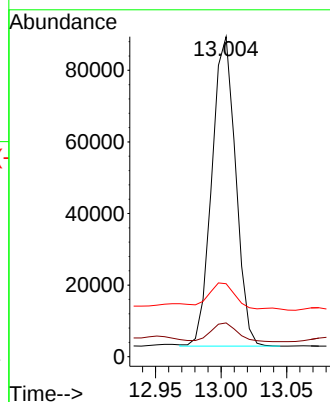
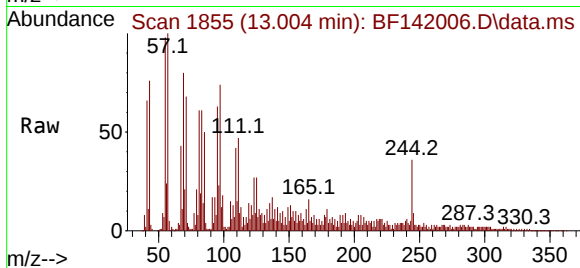
Tgt Ion:244 Resp: 109140

Ion Ratio Lower Upper

244 100

212 10.5 6.0 9.0#

122 22.8 7.7 11.5#



#81

Benzo(a)anthracene

Concen: 9.802 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

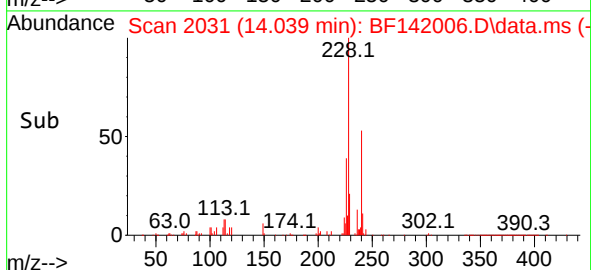
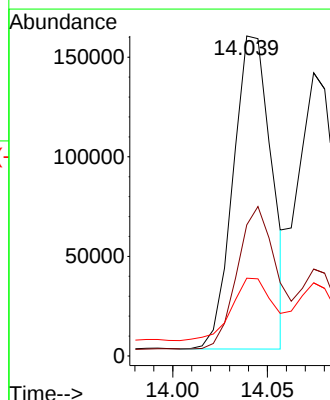
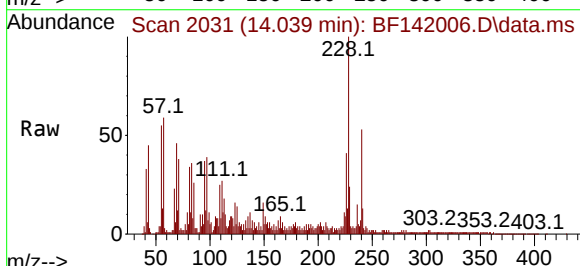
Tgt Ion:228 Resp: 222304

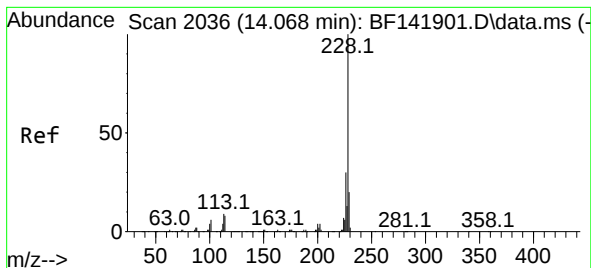
Ion Ratio Lower Upper

228 100

226 41.0 21.8 32.8#

229 24.3 16.0 24.0#





#83

Chrysene

Concen: 9.365 ng

RT: 14.074 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

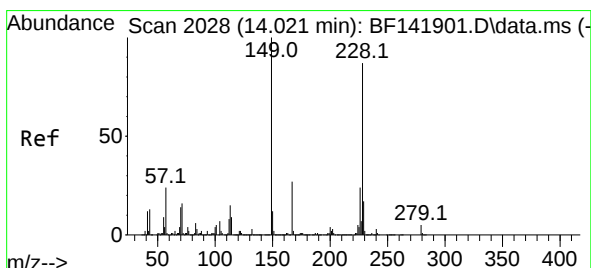
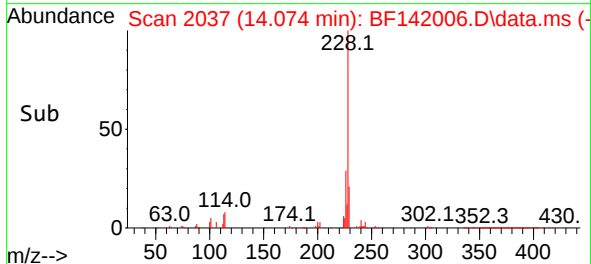
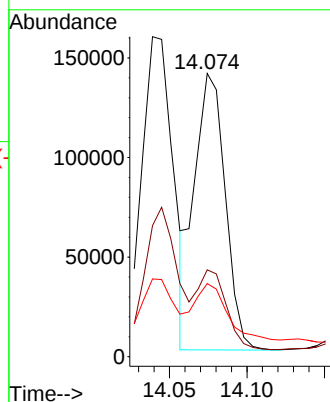
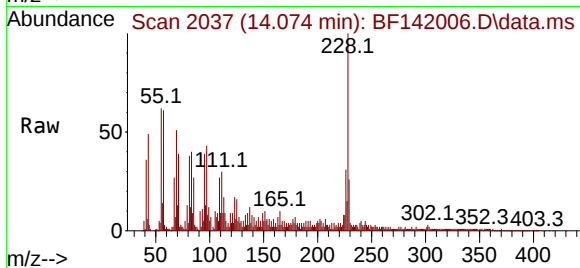
Tgt Ion:228 Resp: 192536

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 25.8 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.591 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

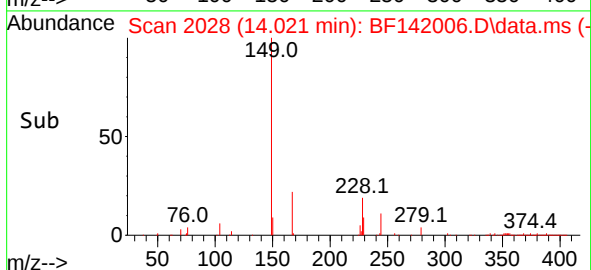
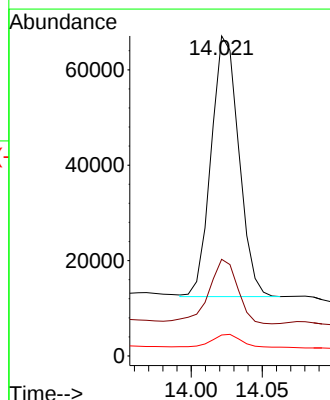
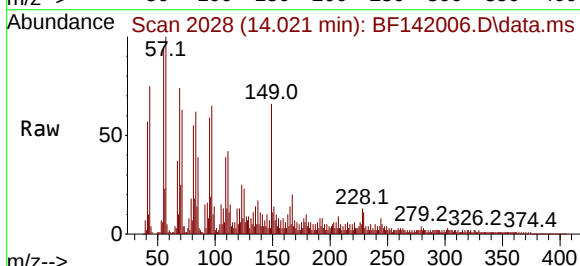
Tgt Ion:149 Resp: 74078

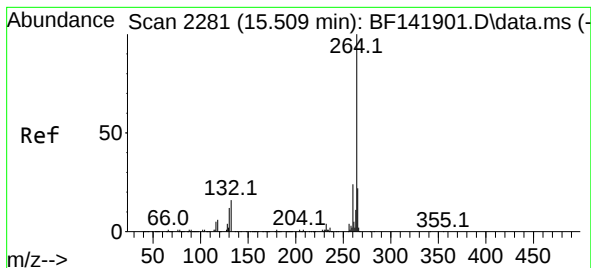
Ion Ratio Lower Upper

149 100

167 30.2 21.4 32.0

279 6.6 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2110

Delta R.T. 0.012 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

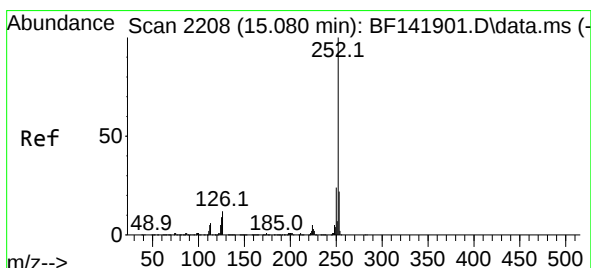
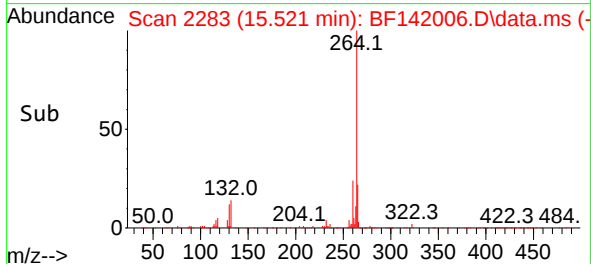
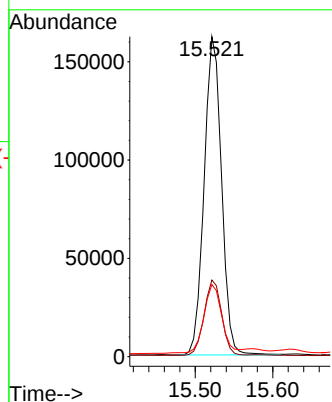
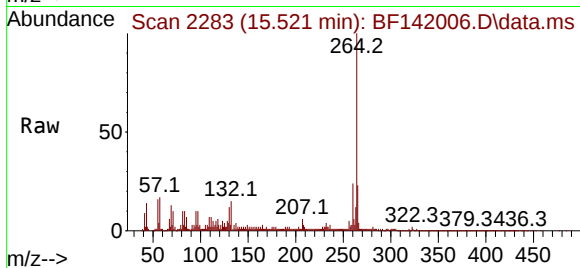
Tgt Ion:264 Resp: 252798

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.5 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 6.083 ng m

RT: 15.092 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

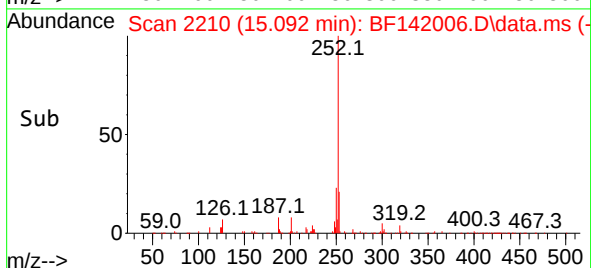
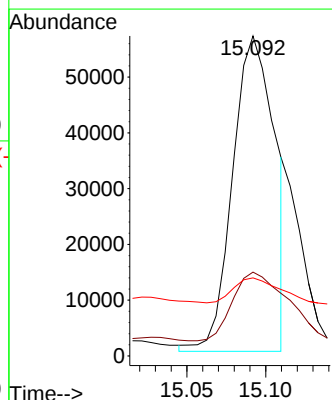
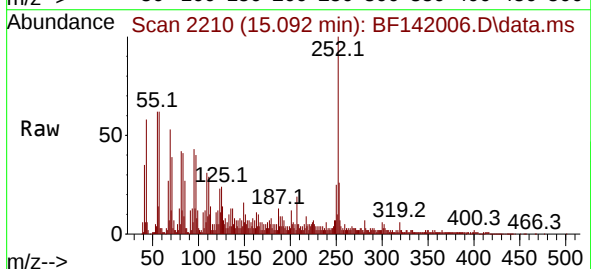
Tgt Ion:252 Resp: 105399

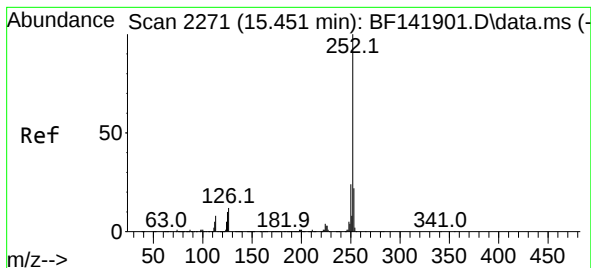
Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

125 24.4 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 7.024 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Instrument :

BNA_F

ClientSampleId :

ETGI-354

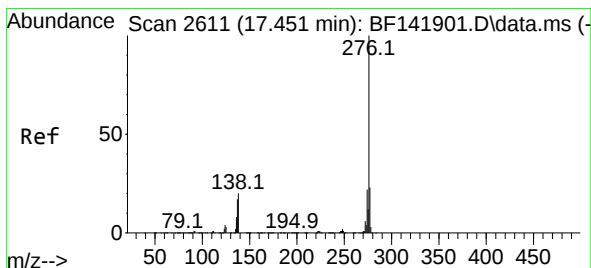
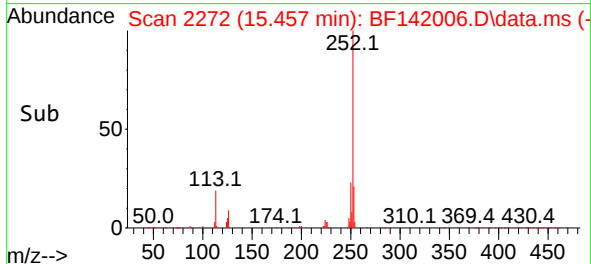
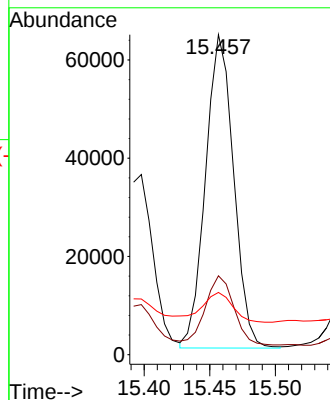
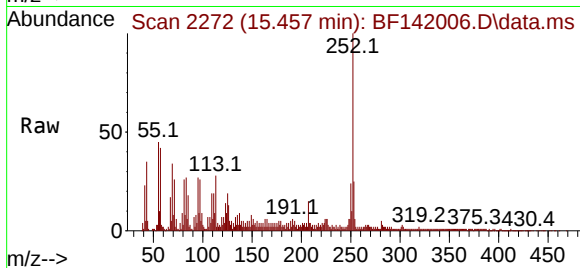
Tgt Ion:252 Resp: 95226

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

125 19.5 7.8 11.8#



#92

Benzo(g,h,i)perylene

Concen: 2.460 ng

RT: 17.456 min Scan# 2612

Delta R.T. 0.006 min

Lab File: BF142006.D

Acq: 19 Mar 2025 15:15

Tgt Ion:276 Resp: 32798

Ion Ratio Lower Upper

276 100

277 27.0 18.7 28.1

138 23.3 15.8 23.8

