

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF142007.D
 Acq On : 19 Mar 2025 16:11
 Operator : RC/JU
 Sample : Q1598-01DL 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354DL

Quant Time: Mar 19 16:35:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

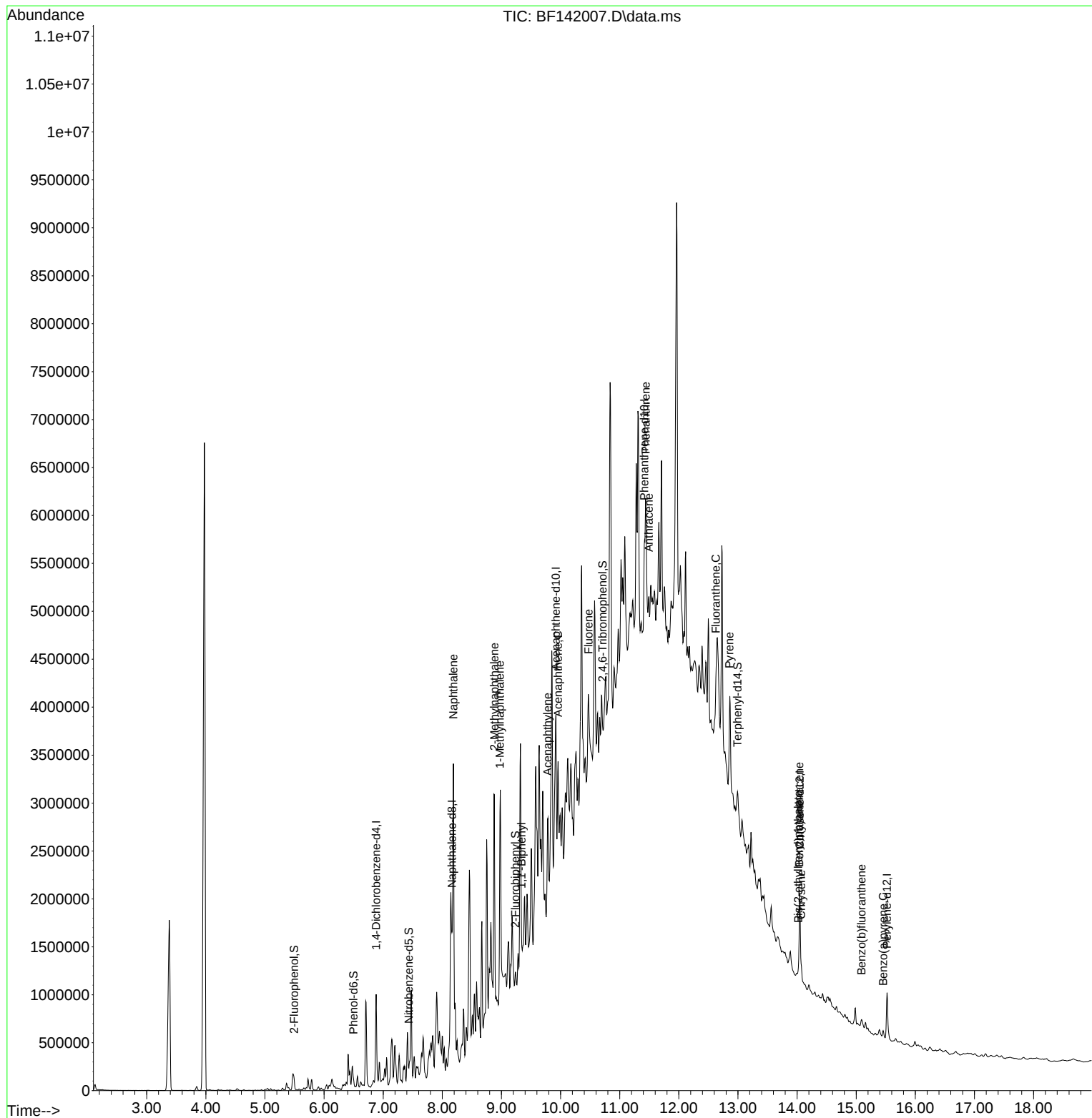
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	187155	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	654249	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	309171	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	399210	20.000	ng	# 0.01
76) Chrysene-d12	14.045	240	359954	20.000	ng	0.00
86) Perylene-d12	15.521	264	292696	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	26378	2.352	ng	0.00
7) Phenol-d6	6.498	99	41512	2.907	ng	0.00
23) Nitrobenzene-d5	7.433	82	30093	2.588	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	9898	2.524	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	59880	2.945	ng	0.00
79) Terphenyl-d14	12.992	244	55205	2.267	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.186	128	1793669	53.371	ng	99
37) 2-Methylnaphthalene	8.880	142	918664	40.895	ng	100
38) 1-Methylnaphthalene	8.975	142	624487	28.808	ng	100
46) 1,1'-Biphenyl	9.339	154	121441	5.170	ng	100
49) Acenaphthylene	9.780	152	211079	8.124	ng	# 82
52) Acenaphthene	9.957	154	239588	13.121	ng	94
58) Fluorene	10.474	166	288616	14.344	ng	# 86
71) Phenanthrene	11.439	178	705797	32.732	ng	# 96
72) Anthracene	11.492	178	182772	8.449	ng	# 86
75) Fluoranthene	12.627	202	213031	9.314	ng	92
78) Pyrene	12.857	202	331497	10.647	ng	97
81) Benzo(a)anthracene	14.039	228	123582	5.232	ng	# 77
83) Chrysene	14.068	228	88576	4.137	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.021	149	35885	2.136	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	49629m	2.474	ng	
90) Benzo(a)pyrene	15.456	252	50923	3.244	ng	# 86

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

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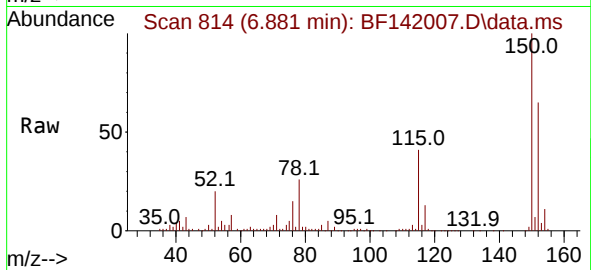
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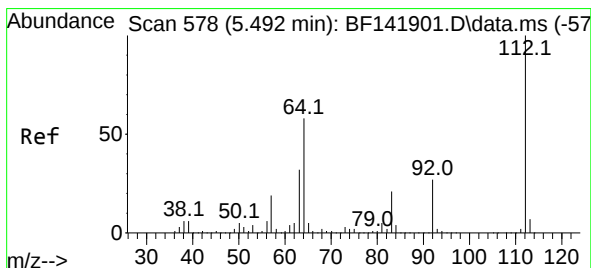
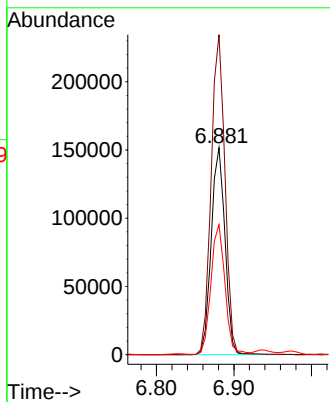
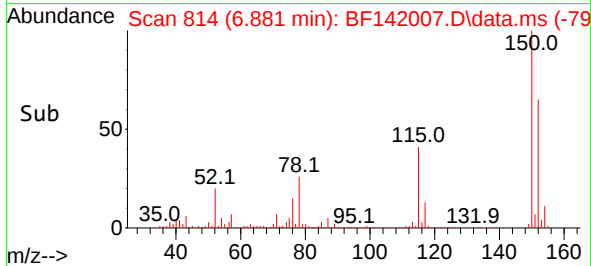


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF142007.D
 Acq: 19 Mar 2025 16:11

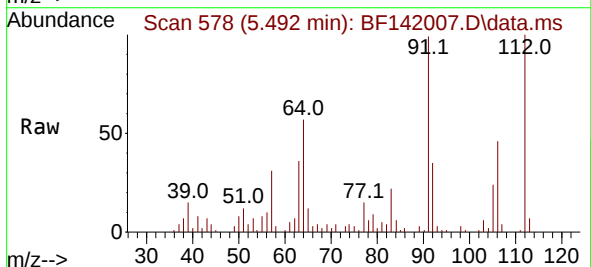
Instrument :
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 ClientSampleId :
 ETGI-354DL



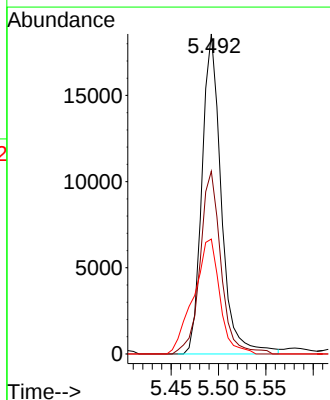
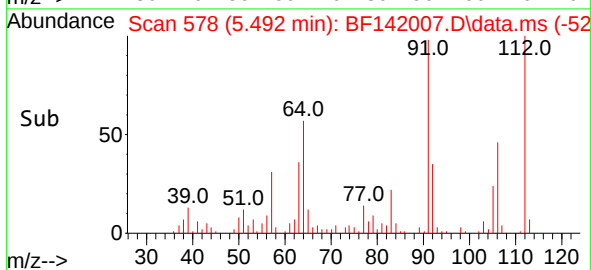
Tgt Ion:152 Resp: 187155
 Ion Ratio Lower Upper
 152 100
 150 154.6 127.4 191.2
 115 62.8 51.9 77.9

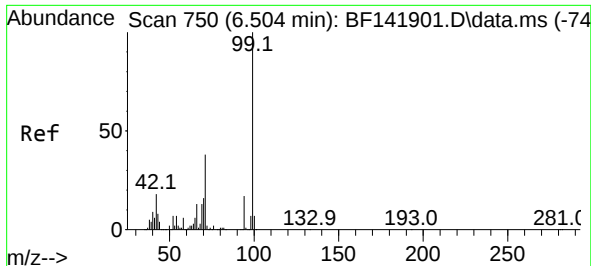


#5
 2-Fluorophenol
 Concen: 2.352 ng
 RT: 5.492 min Scan# 578
 Delta R.T. -0.000 min
 Lab File: BF142007.D
 Acq: 19 Mar 2025 16:11



Tgt Ion:112 Resp: 26378
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.5 69.7
 63 35.9 25.4 38.2

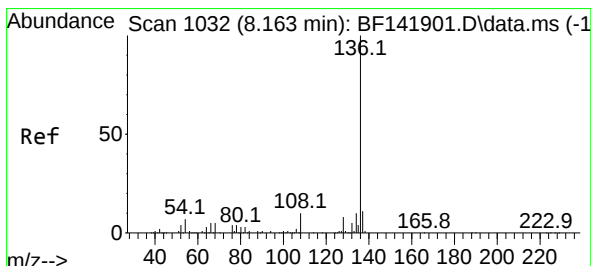
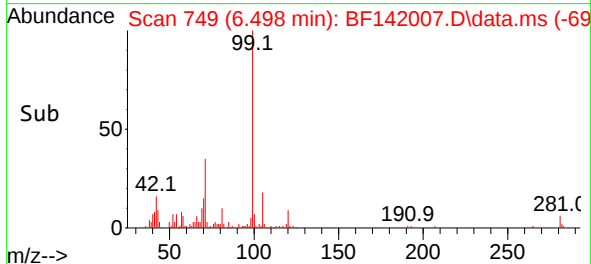
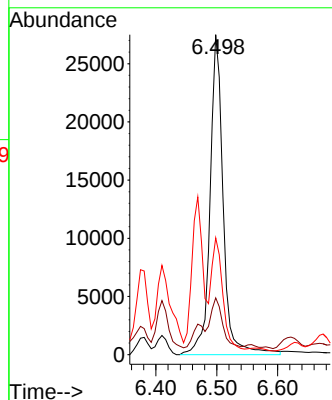
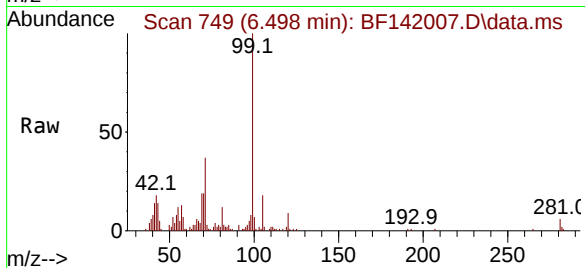




#7
Phenol-d6
Concen: 2.907 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

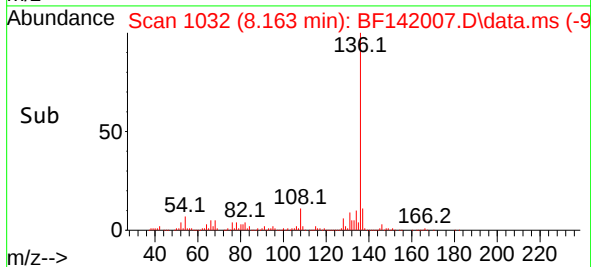
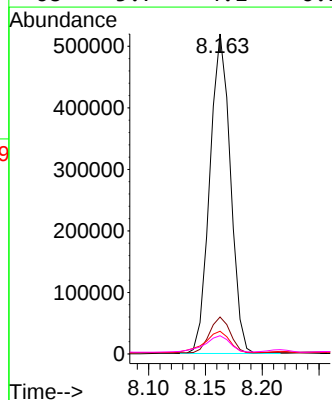
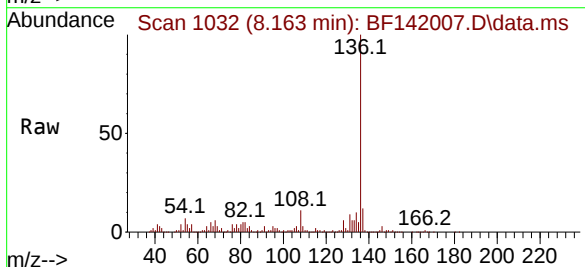
Instrument :
BNA_F
ClientSampleId :
ETGI-354DL

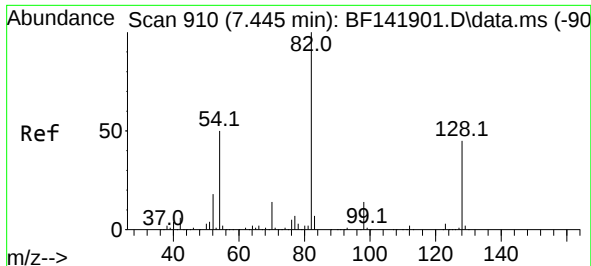
Tgt Ion: 99 Resp: 41512
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 36.5 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion: 136 Resp: 654249
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 7.1 5.8 8.8
68 5.7 4.1 6.1

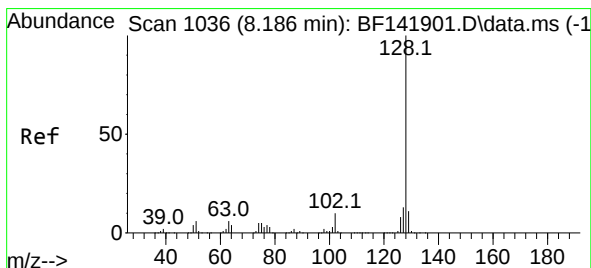
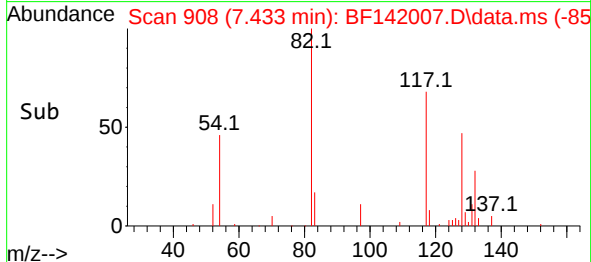
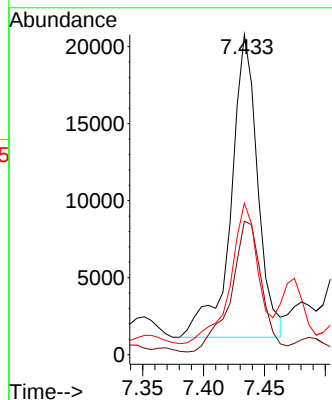
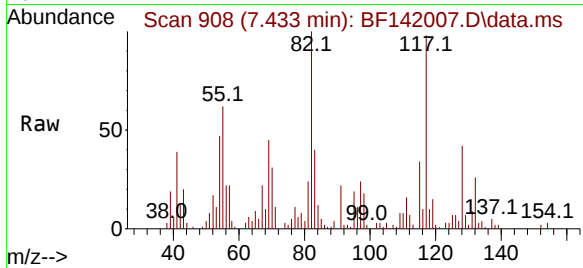




#23
Nitrobenzene-d5
Concen: 2.588 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

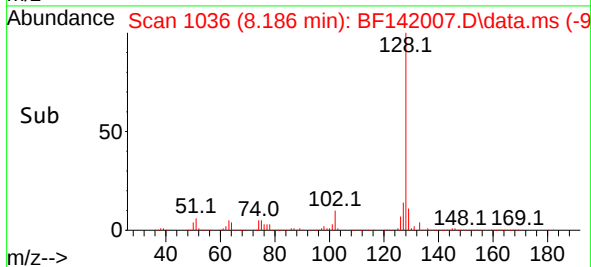
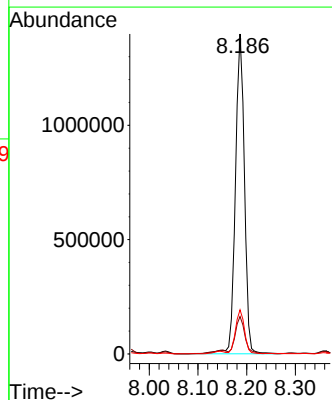
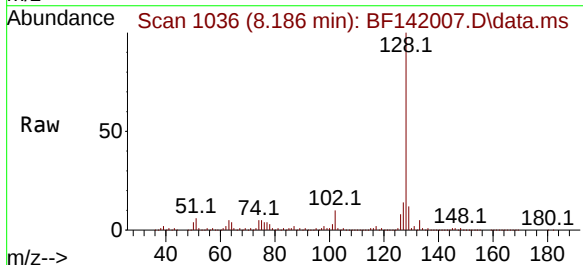
Instrument :
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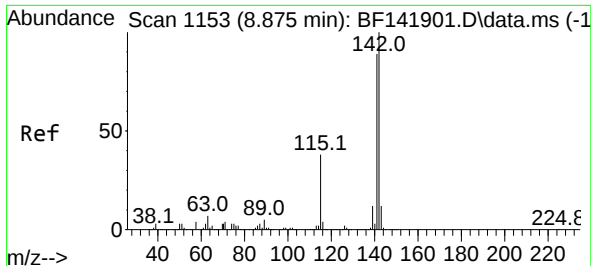
Tgt Ion: 82 Resp: 30093
Ion Ratio Lower Upper
82 100
128 41.7 36.0 54.0
54 47.3 39.6 59.4



#31
Naphthalene
Concen: 53.371 ng
RT: 8.186 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion:128 Resp: 1793669
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.8 10.8 16.2





#37

2-Methylnaphthalene

Concen: 40.895 ng

RT: 8.880 min Scan# 1153

Delta R.T. 0.006 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

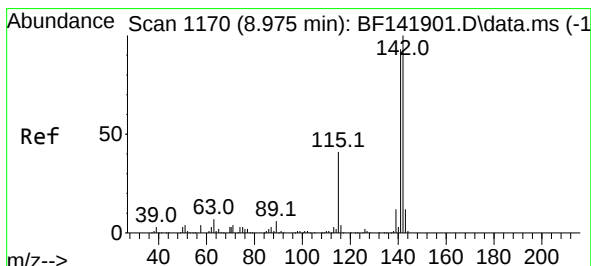
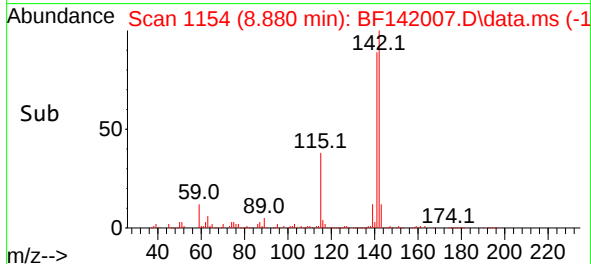
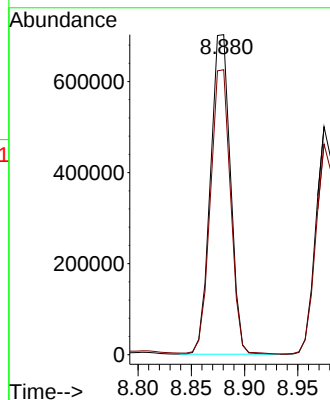
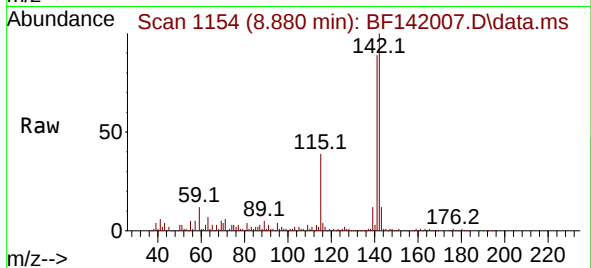
ETGI-354DL

Tgt Ion:142 Resp: 918664

Ion Ratio Lower Upper

142 100

141 89.1 71.2 106.8



#38

1-Methylnaphthalene

Concen: 28.808 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF142007.D

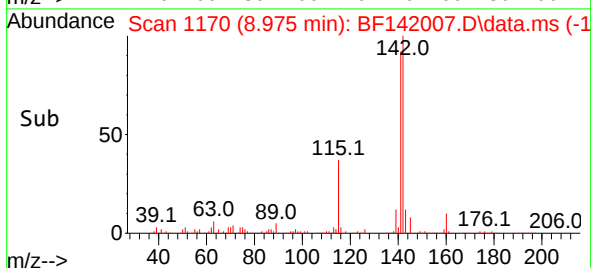
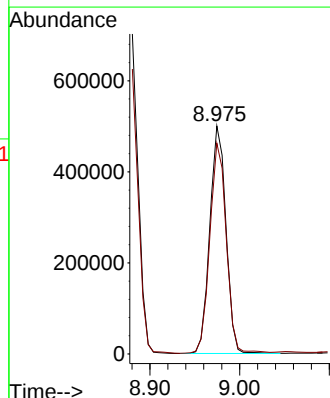
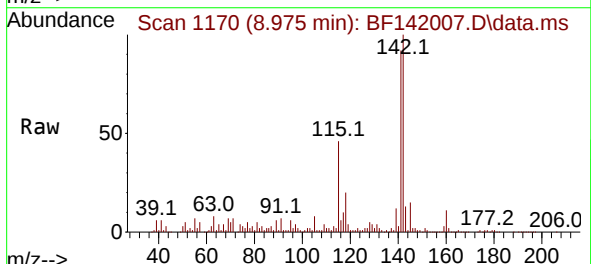
Acq: 19 Mar 2025 16:11

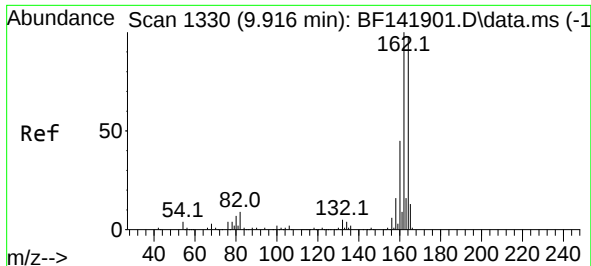
Tgt Ion:142 Resp: 624487

Ion Ratio Lower Upper

142 100

141 92.4 74.2 111.4

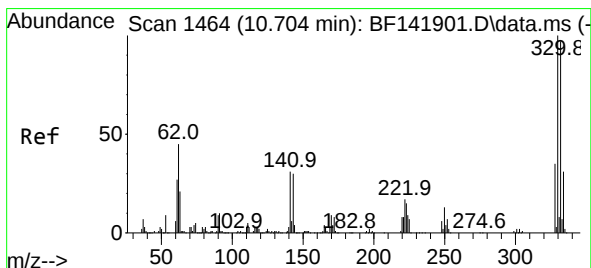
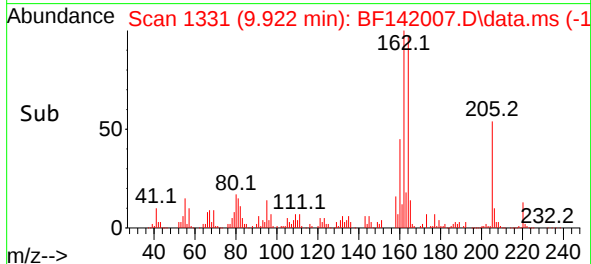
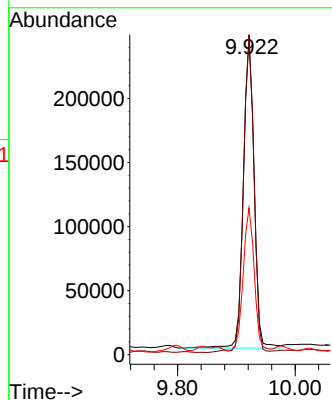
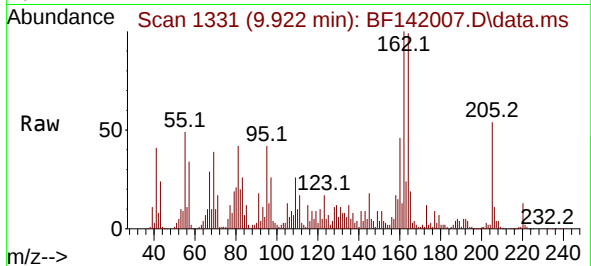




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

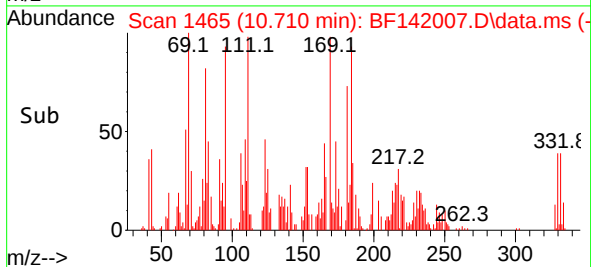
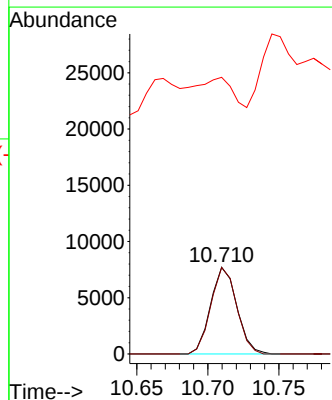
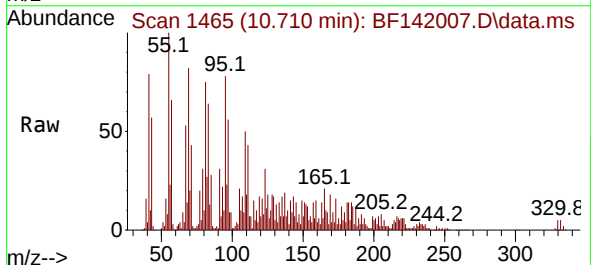
Instrument :
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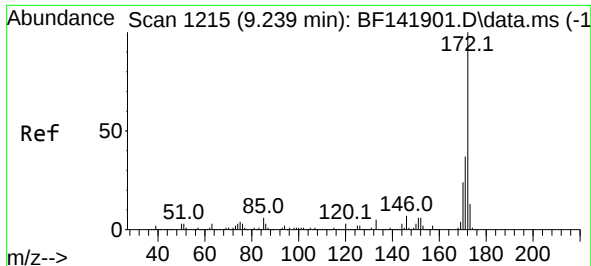
Tgt Ion:164 Resp: 309171
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 46.5 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 2.524 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion:330 Resp: 9898
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 0.0 24.7 37.1#

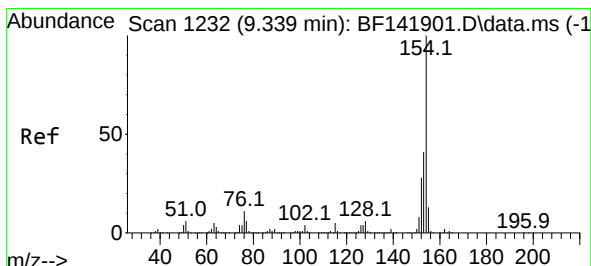
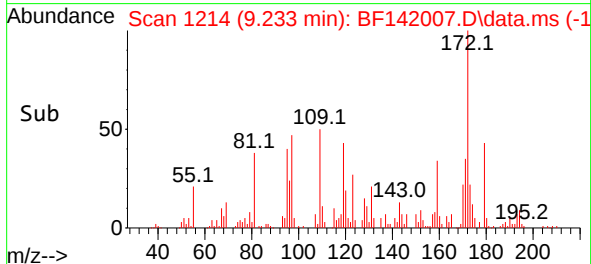
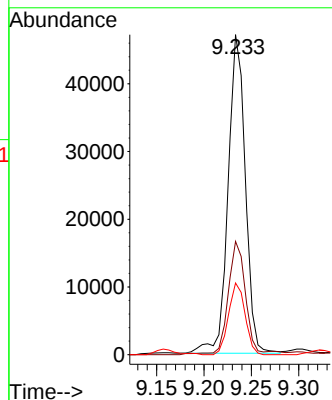
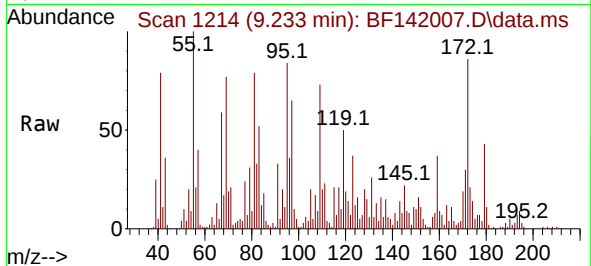




#45
2-Fluorobiphenyl
Concen: 2.945 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

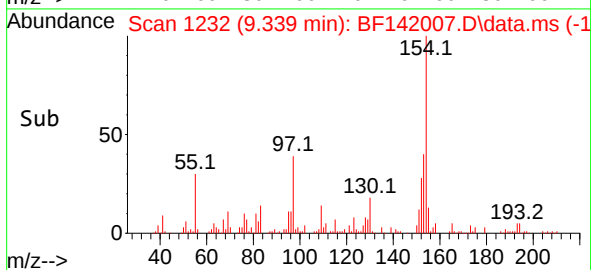
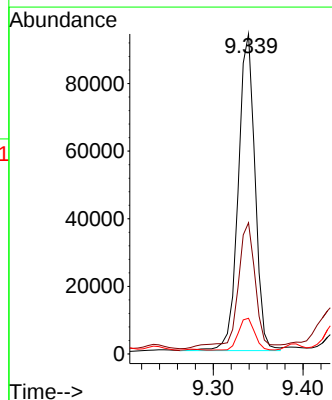
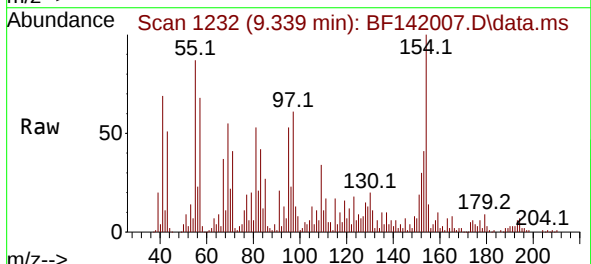
Instrument :
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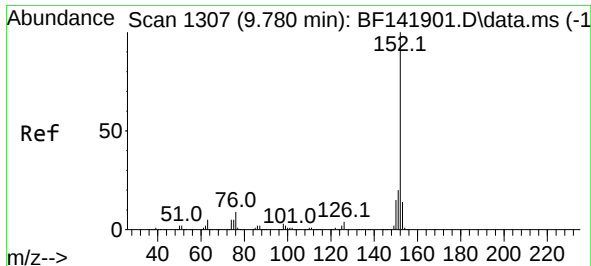
Tgt Ion:172 Resp: 59880
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 22.4 19.4 29.0



#46
1,1'-Biphenyl
Concen: 5.170 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion:154 Resp: 121441
Ion Ratio Lower Upper
154 100
153 41.0 21.1 61.1
76 11.1 0.0 31.3

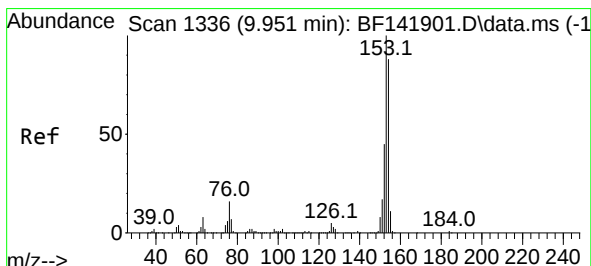
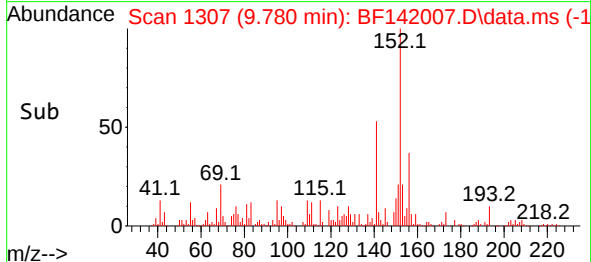
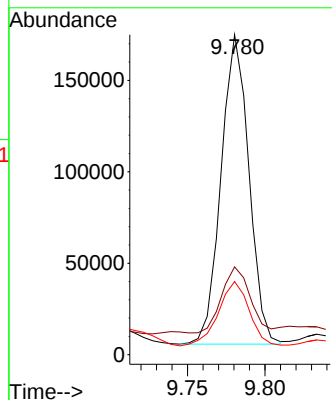
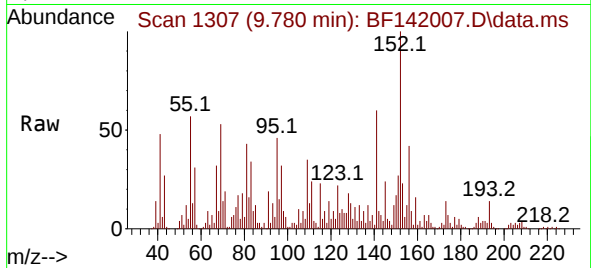




#49
Acenaphthylene
Concen: 8.124 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

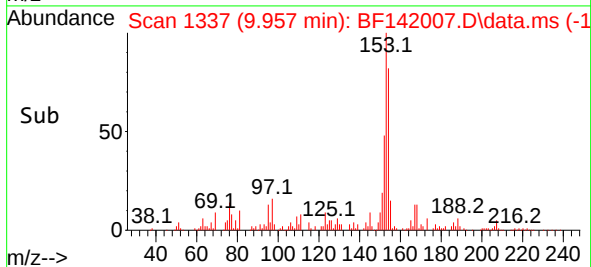
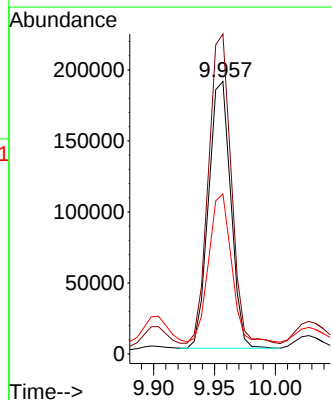
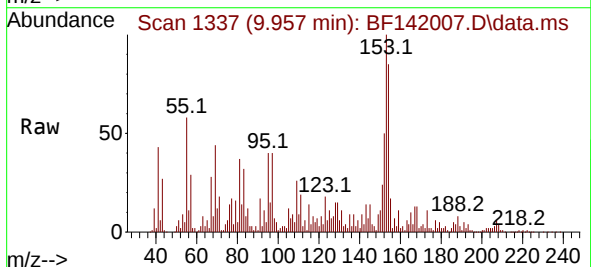
Instrument :
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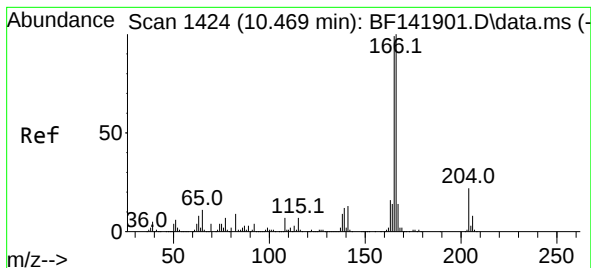
Tgt Ion:152 Resp: 211079
Ion Ratio Lower Upper
152 100
151 27.4 16.3 24.5#
153 22.9 11.1 16.7#



#52
Acenaphthene
Concen: 13.121 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion:154 Resp: 239588
Ion Ratio Lower Upper
154 100
153 117.4 90.7 136.1
152 58.7 41.1 61.7





#58

Fluorene

Concen: 14.344 ng

RT: 10.474 min Scan# 1424

Delta R.T. 0.006 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

ETGI-354DL

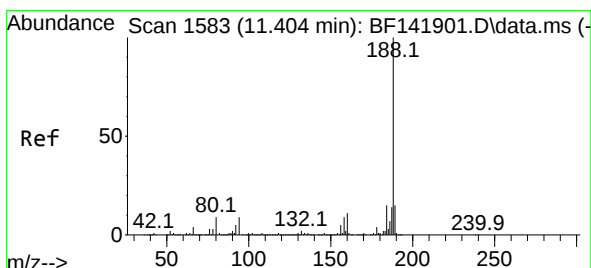
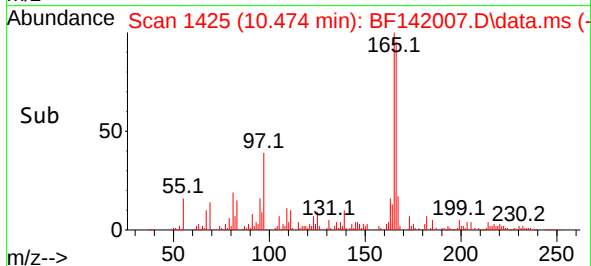
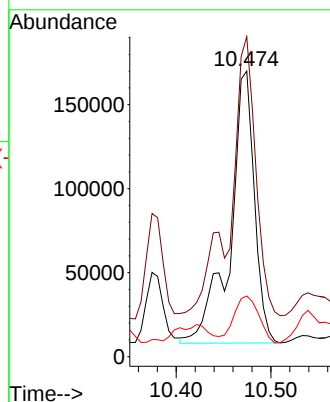
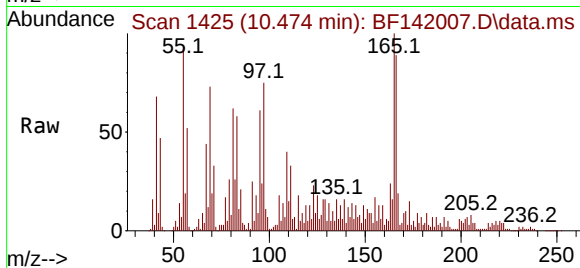
Tgt Ion:166 Resp: 288616

Ion Ratio Lower Upper

166 100

165 112.0 79.0 118.4

167 21.2 11.0 16.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.012 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

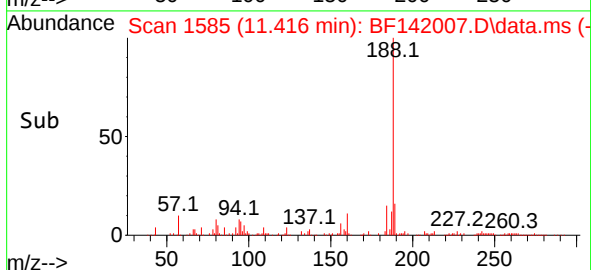
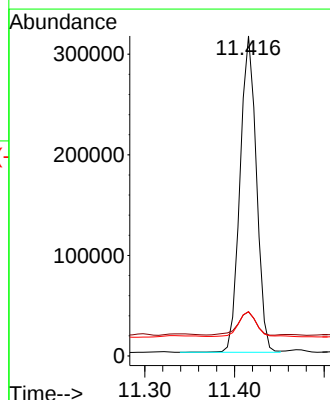
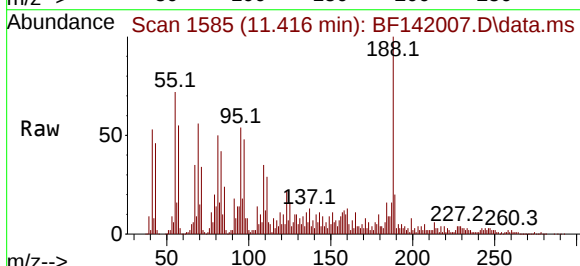
Tgt Ion:188 Resp: 399210

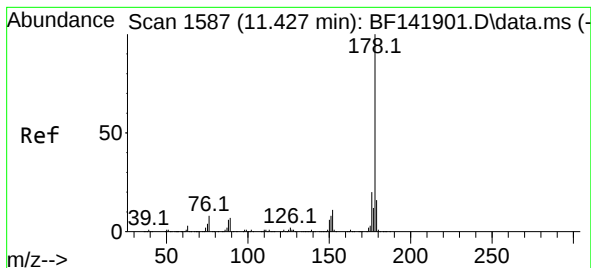
Ion Ratio Lower Upper

188 100

94 13.8 6.8 10.2#

80 13.9 7.6 11.4#





#71

Phenanthrene

Concen: 32.732 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.012 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

ETGI-354DL

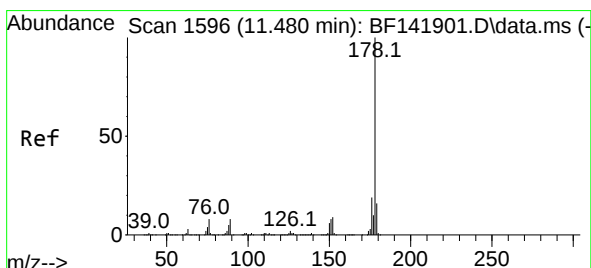
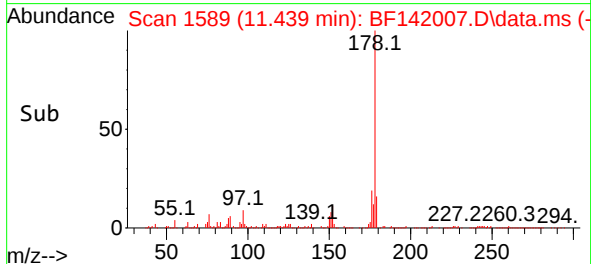
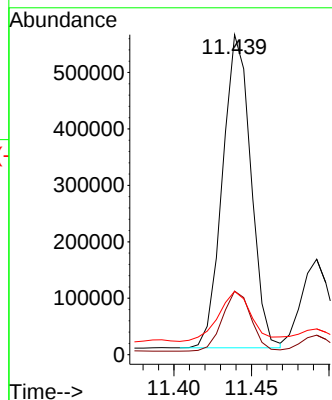
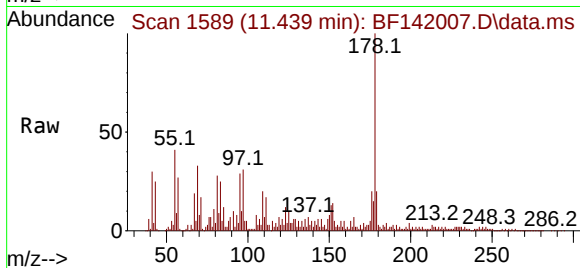
Tgt Ion:178 Resp: 705797

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

179 19.8 12.6 19.0#



#72

Anthracene

Concen: 8.449 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.012 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

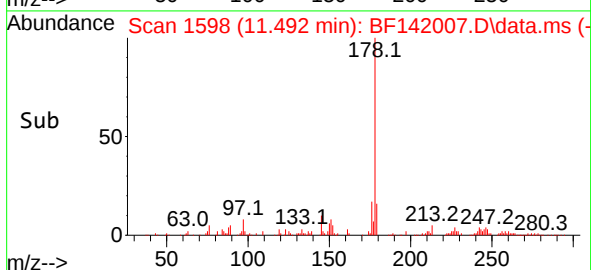
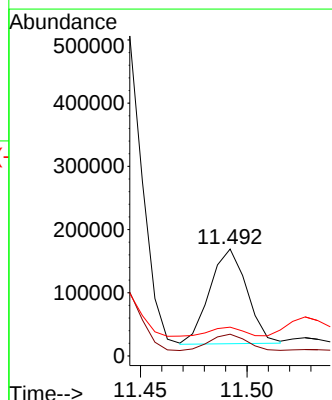
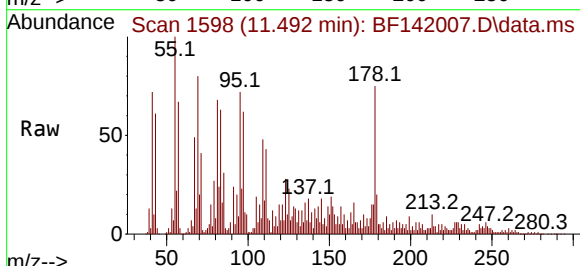
Tgt Ion:178 Resp: 182772

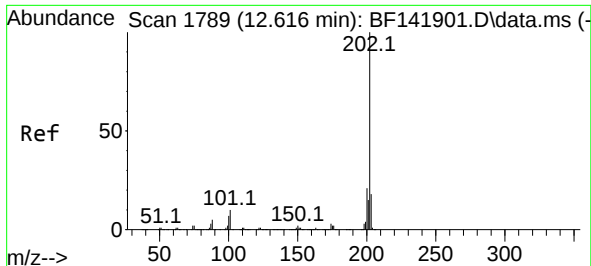
Ion Ratio Lower Upper

178 100

176 20.4 15.1 22.7

179 27.0 12.6 19.0#

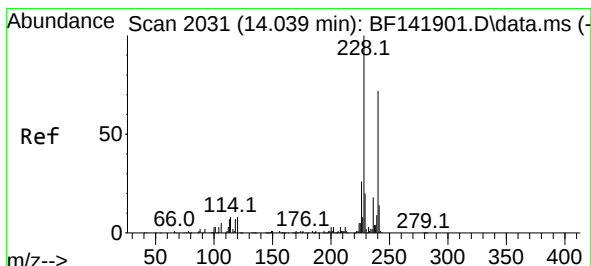
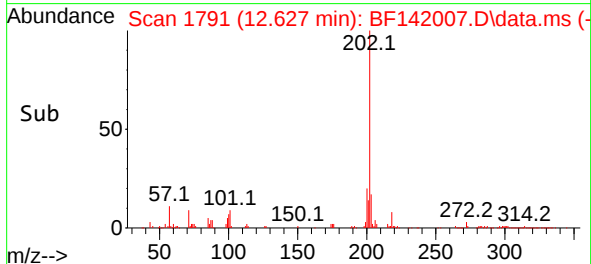
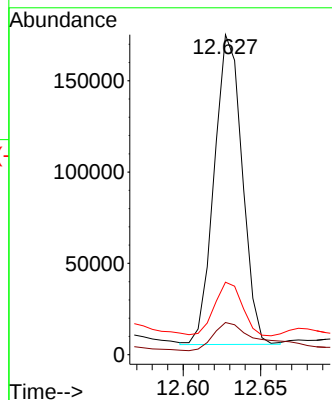
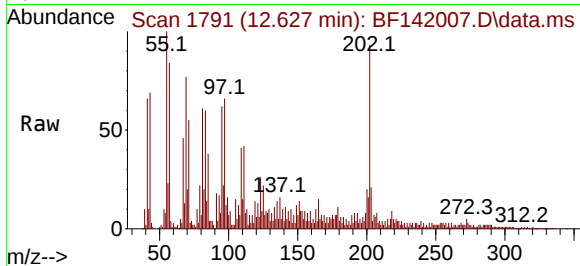




#75
Fluoranthene
Concen: 9.314 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

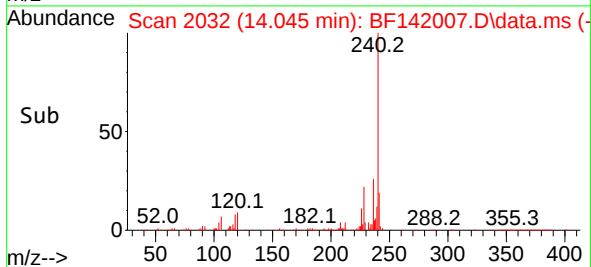
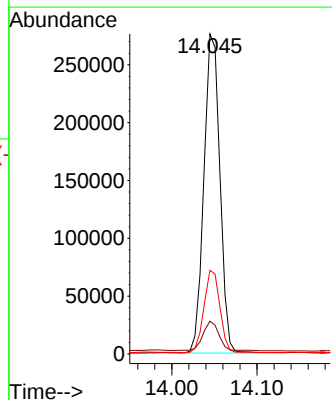
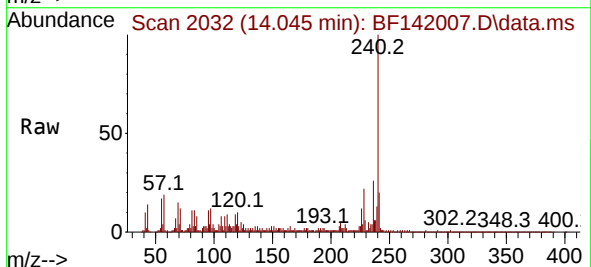
Instrument :
BNA_F
ClientSampleId :
ETGI-354DL

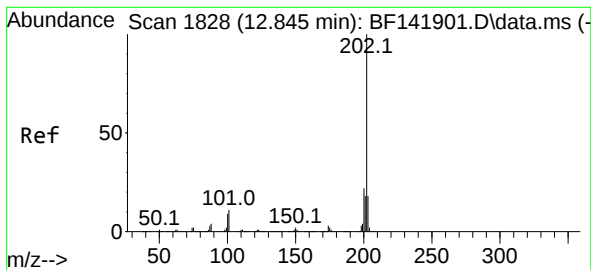
Tgt Ion:202 Resp: 213031
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.7
203 22.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion:240 Resp: 359954
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 26.2 20.5 30.7





#78

Pyrene

Concen: 10.647 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.012 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

ETGI-354DL

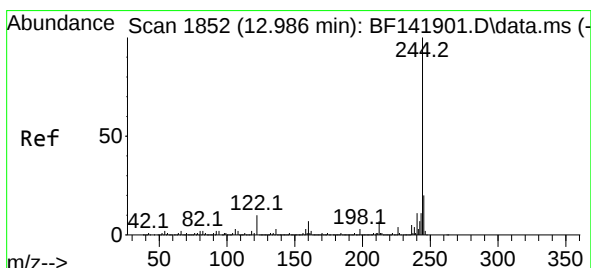
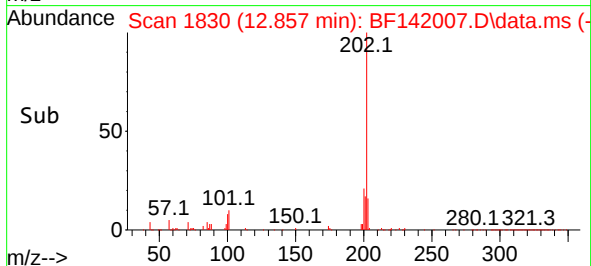
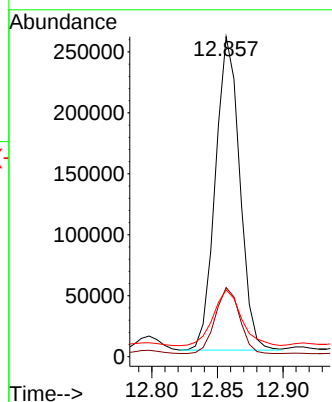
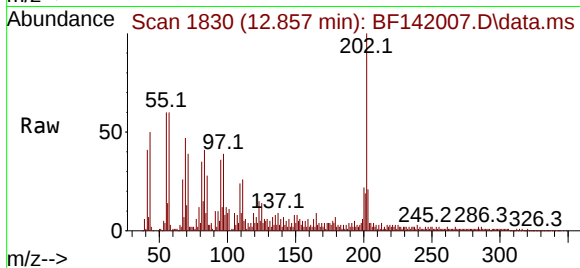
Tgt Ion:202 Resp: 331497

Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 20.9 14.4 21.6



#79

Terphenyl-d14

Concen: 2.267 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

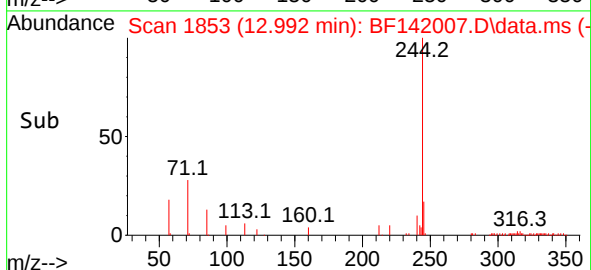
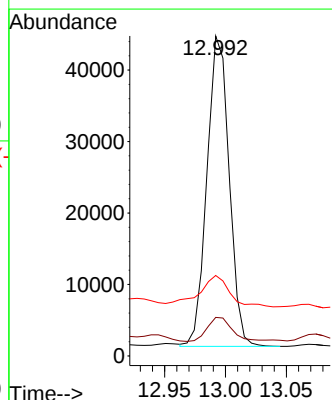
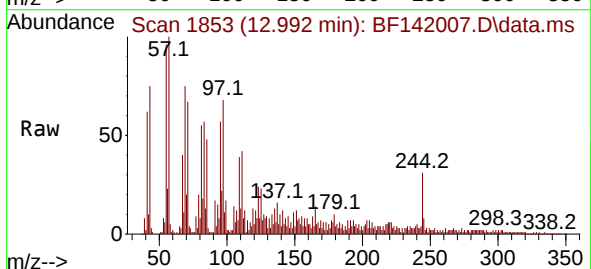
Tgt Ion:244 Resp: 55205

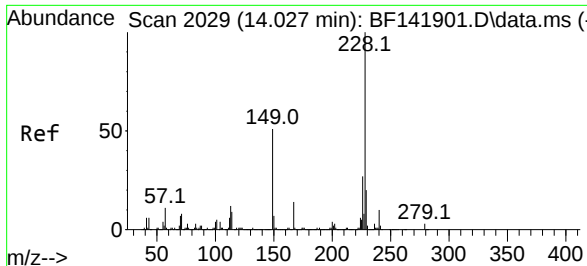
Ion Ratio Lower Upper

244 100

212 12.1 6.0 9.0#

122 25.2 7.7 11.5#

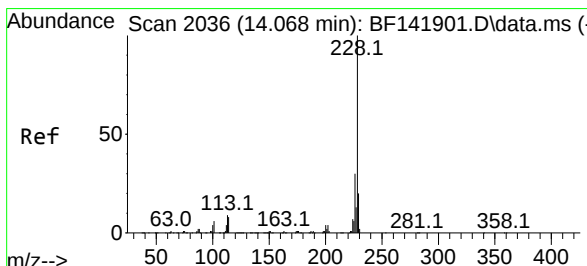
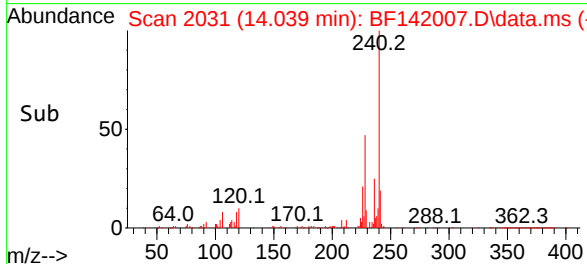
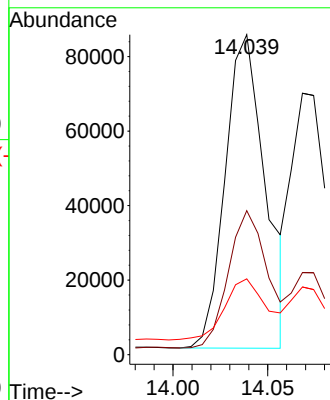
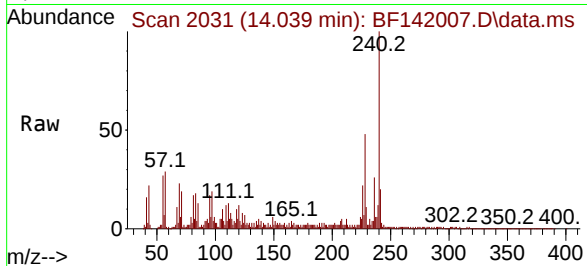




#81
Benzo(a)anthracene
Concen: 5.232 ng
RT: 14.039 min Scan# 2029
Delta R.T. 0.012 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

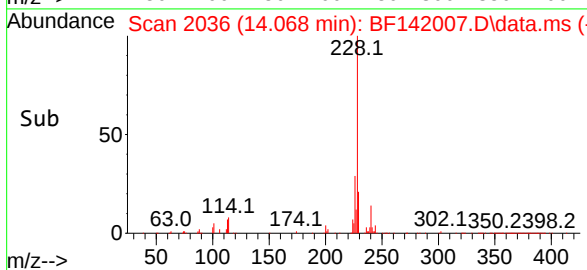
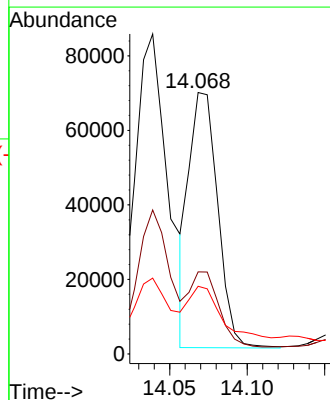
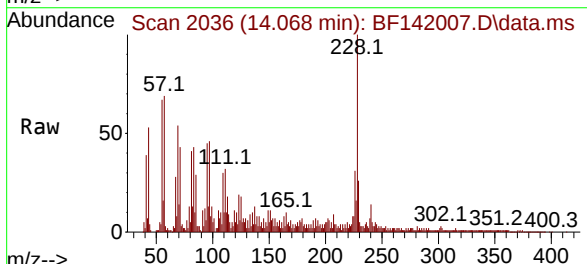
Instrument :
BNA_F
ClientSampleId :
ETGI-354DL

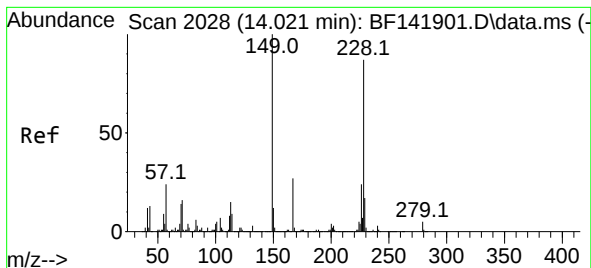
Tgt Ion:228 Resp: 123582
Ion Ratio Lower Upper
228 100
226 45.0 21.8 32.8#
229 23.7 16.0 24.0



#83
Chrysene
Concen: 4.137 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BF142007.D
Acq: 19 Mar 2025 16:11

Tgt Ion:228 Resp: 88576
Ion Ratio Lower Upper
228 100
226 31.4 24.1 36.1
229 25.9 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.136 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

ETGI-354DL

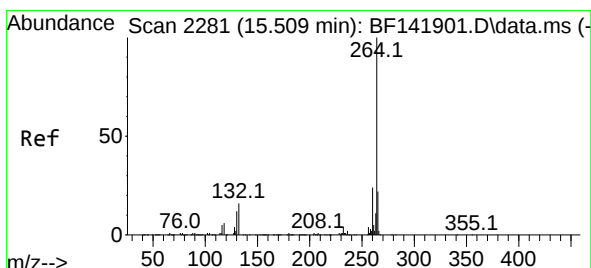
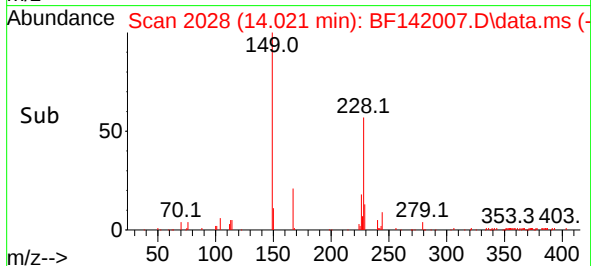
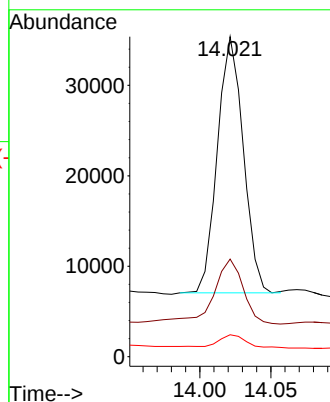
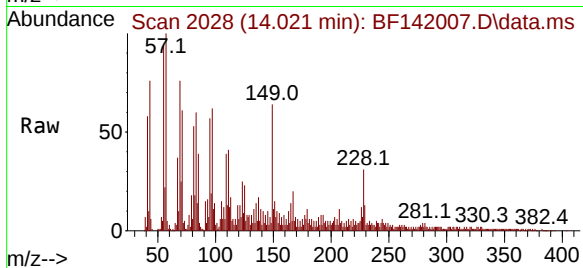
Tgt Ion:149 Resp: 35885

Ion Ratio Lower Upper

149 100

167 30.5 21.4 32.0

279 6.9 3.8 5.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.012 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

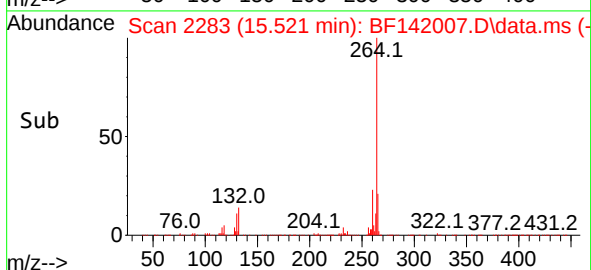
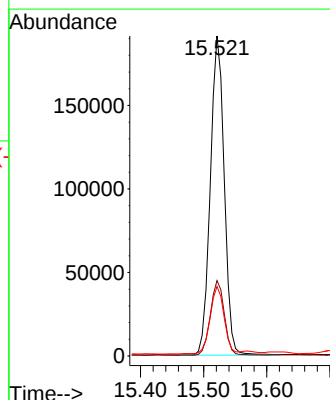
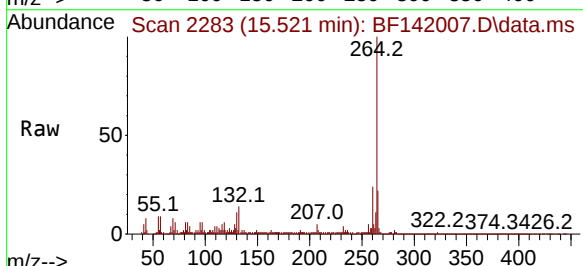
Tgt Ion:264 Resp: 292696

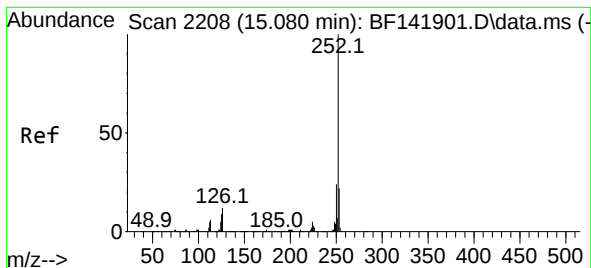
Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.7 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.474 ng m

RT: 15.092 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Instrument :

BNA_F

ClientSampleId :

ETGI-354DL

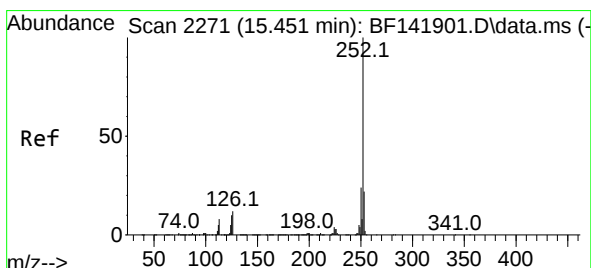
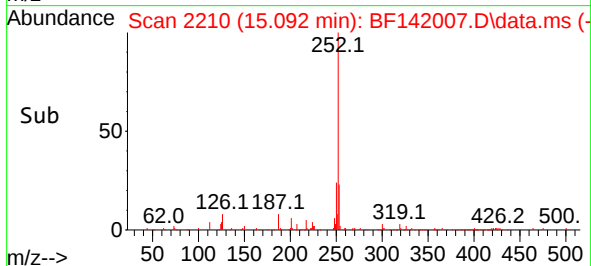
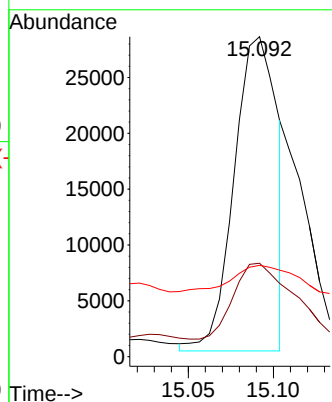
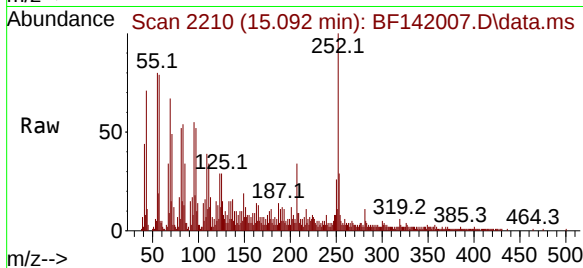
Tgt Ion:252 Resp: 49629

Ion Ratio Lower Upper

252 100

253 29.2 17.5 26.3#

125 28.6 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 3.244 ng

RT: 15.456 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF142007.D

Acq: 19 Mar 2025 16:11

Tgt Ion:252 Resp: 50923

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

125 21.5 7.8 11.8#

