

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140156.D
 Acq On : 30 Oct 2024 14:41
 Operator : RC/JU
 Sample : P4578-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-305-TOP

Quant Time: Oct 30 15:07:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

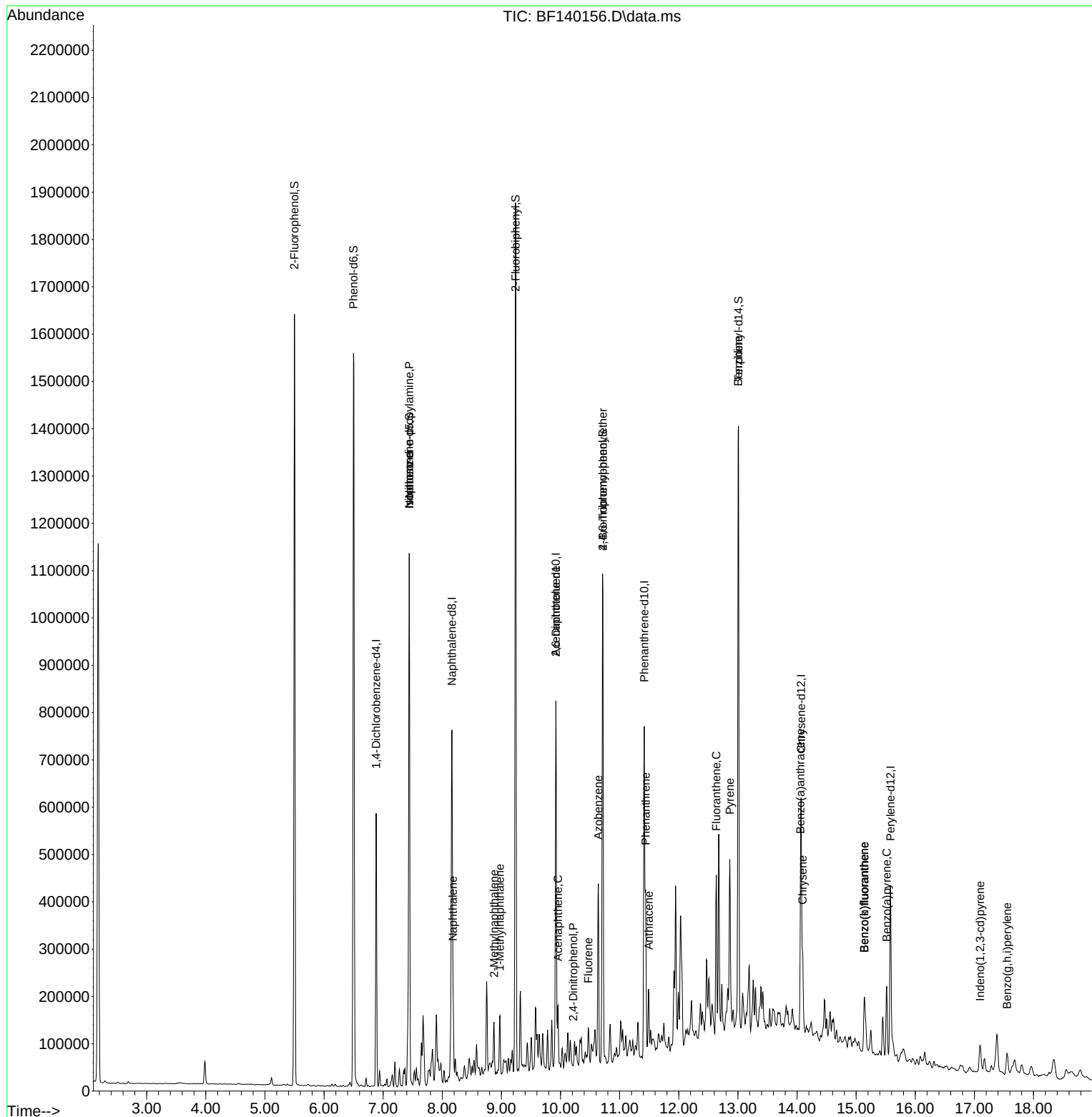
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	110861	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	423380	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	224222	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	363381	20.000	ng	0.00
76) Chrysene-d12	14.069	240	172346	20.000	ng	0.02
86) Perylene-d12	15.580	264	220971	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	568333	80.255	ng	0.00
7) Phenol-d6	6.498	99	721823	78.701	ng	-0.01
23) Nitrobenzene-d5	7.440	82	475473	62.243	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	165073	78.707	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	788942	58.151	ng	-0.01
79) Terphenyl-d14	13.010	244	641093	60.613	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	64734	11.637	ng	# 79
25) Isophorone	7.440	82	472109	32.562	ng	# 67
31) Naphthalene	8.181	128	75308	3.449	ng	99
37) 2-Methylnaphthalene	8.875	142	41754	3.122	ng	96
38) 1-Methylnaphthalene	8.975	142	44934	3.425	ng	98
51) 2,6-Dinitrotoluene	9.922	165	29953	9.905	ng	# 22
52) Acenaphthene	9.957	154	35905	3.054	ng	94
54) 2,4-Dinitrophenol	10.216	184	194	6.670	ng	# 1
58) Fluorene	10.469	166	33528	2.610	ng	# 95
63) Azobenzene	10.639	77	92322	6.350	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	11199	2.992	ng	# 1
71) Phenanthrene	11.439	178	177240	10.326	ng	100
72) Anthracene	11.492	178	73441	4.385	ng	98
75) Fluoranthene	12.633	202	169924	9.793	ng	98
77) Benzidine	13.004	184	8948	3.157	ng	96
78) Pyrene	12.863	202	207813	13.775	ng	99
81) Benzo(a)anthracene	14.057	228	100152	8.927	ng	# 78
83) Chrysene	14.092	228	95672	9.301	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.098	276	42053	2.958	ng	97
88) Benzo(b)fluoranthene	15.139	252	110061	8.177	ng	97
89) Benzo(k)fluoranthene	15.139	252	110061	9.481	ng	97
90) Benzo(a)pyrene	15.515	252	94161	8.501	ng	96
92) Benzo(g,h,i)perylene	17.551	276	43282	3.654	ng	97

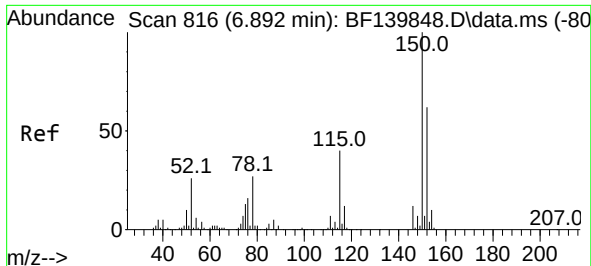
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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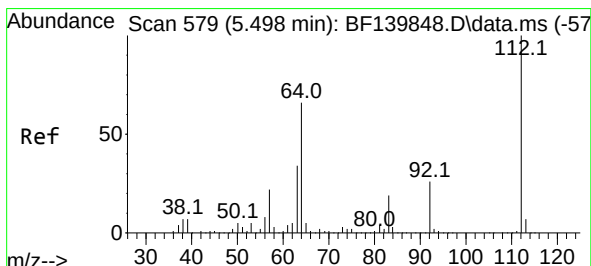
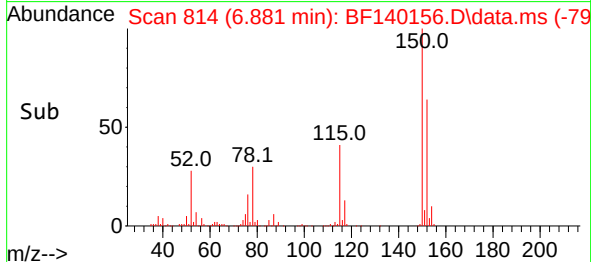
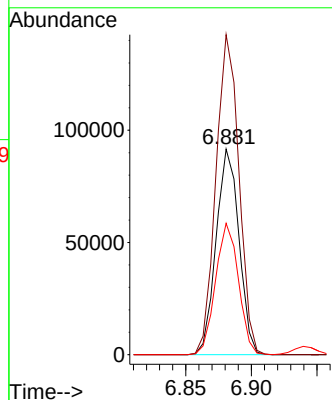
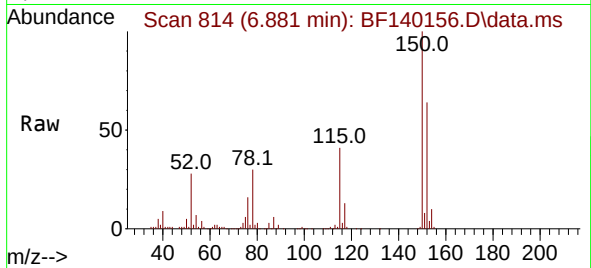




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

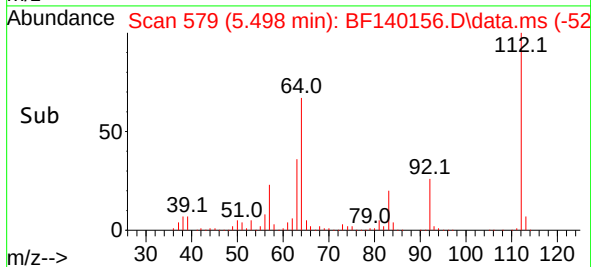
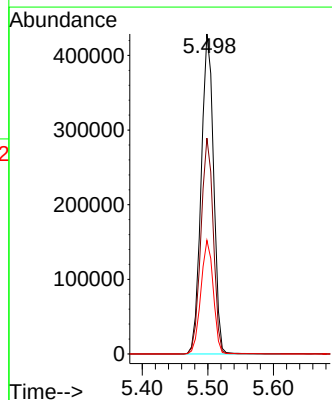
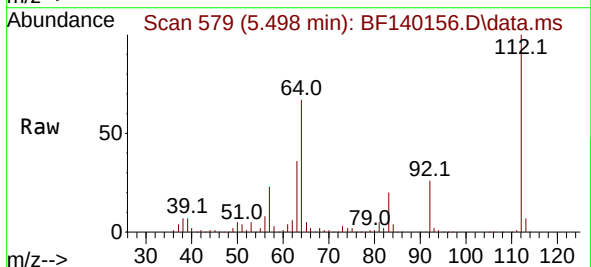
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

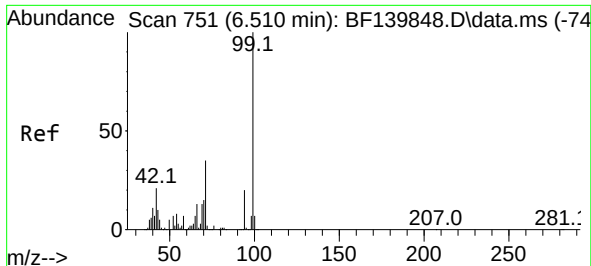
Tgt Ion:152 Resp: 110861
Ion Ratio Lower Upper
152 100
150 155.6 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 80.255 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:112 Resp: 568333
Ion Ratio Lower Upper
112 100
64 67.4 53.0 79.6
63 35.5 27.0 40.4

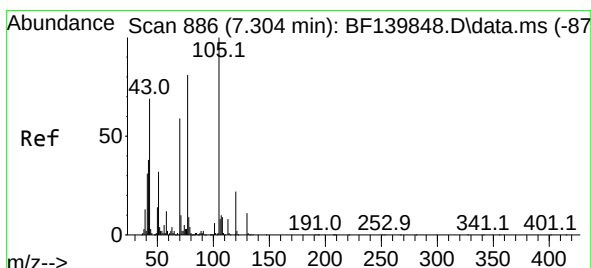
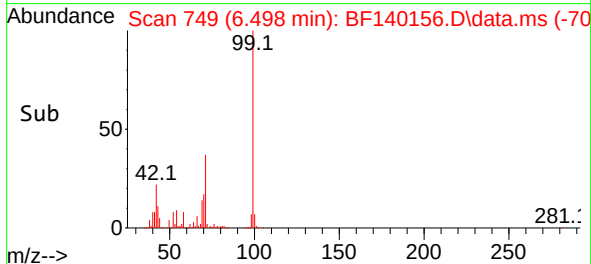
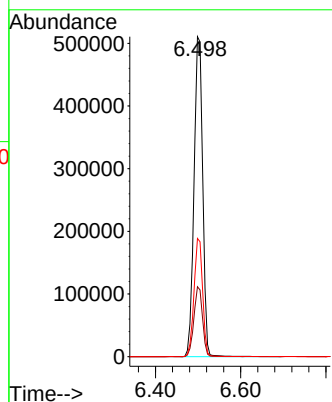
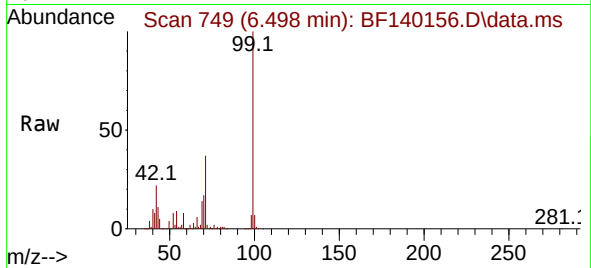




#7
Phenol-d6
Concen: 78.701 ng
RT: 6.498 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

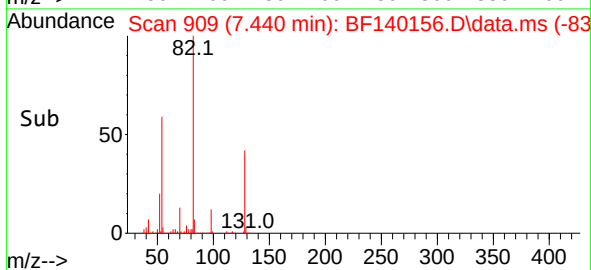
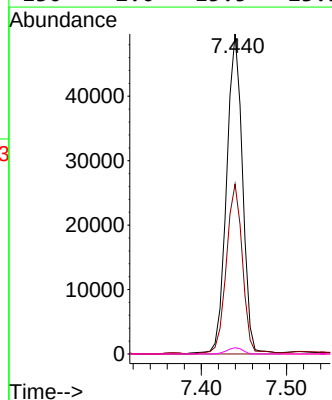
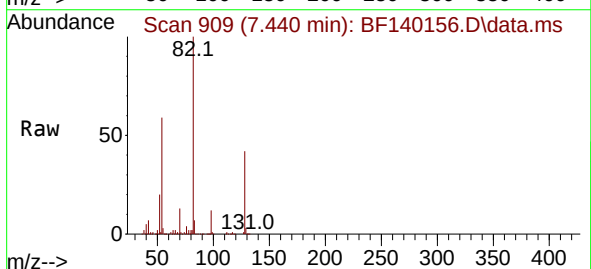
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

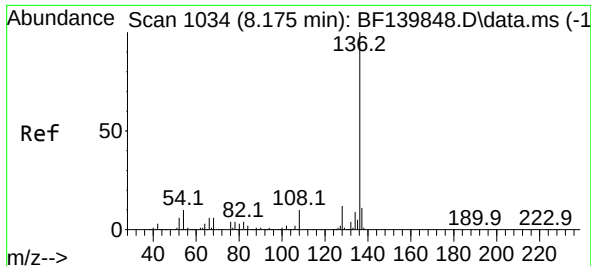
Tgt Ion: 99 Resp: 721823
Ion Ratio Lower Upper
99 100
42 21.9 16.7 25.1
71 36.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.637 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion: 70 Resp: 64734
Ion Ratio Lower Upper
70 100
42 53.1 51.5 77.3
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

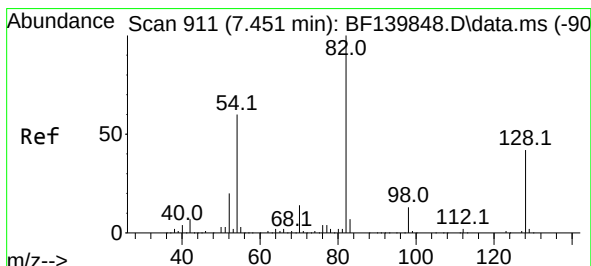
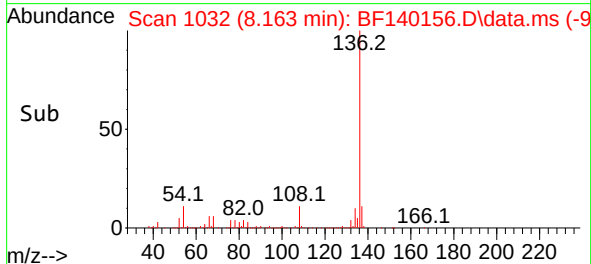
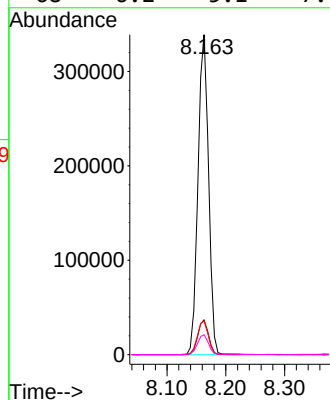
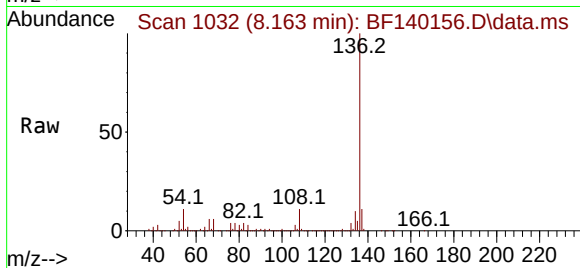
Instrument :

BNA_F

ClientSampleId :

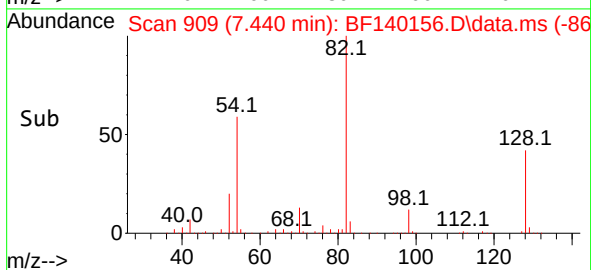
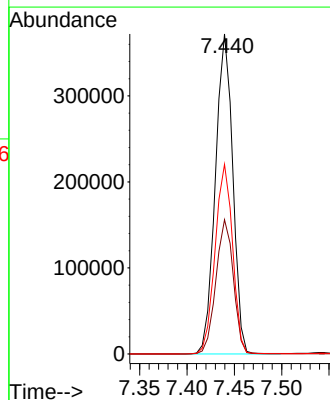
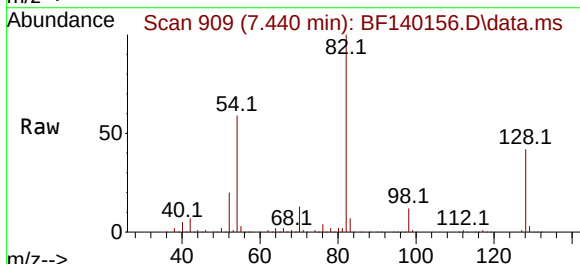
WB-305-TOP

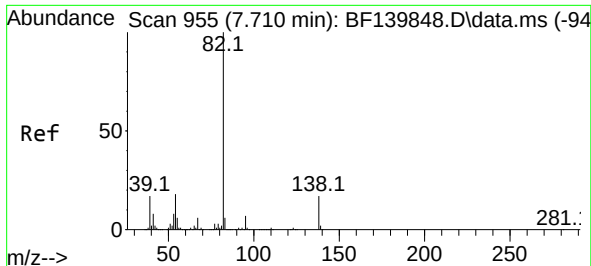
Tgt Ion:136 Resp: 423380
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.5 8.4 12.6
68 6.2 5.1 7.7



#23
Nitrobenzene-d5
Concen: 62.243 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

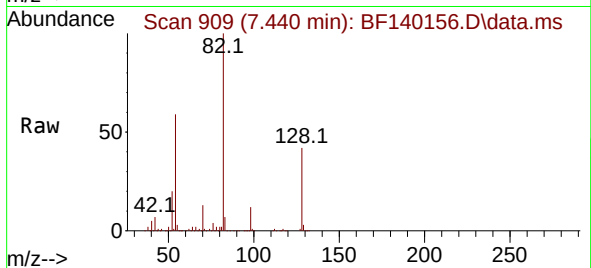
Tgt Ion: 82 Resp: 475473
Ion Ratio Lower Upper
82 100
128 41.9 33.4 50.0
54 59.2 47.8 71.8



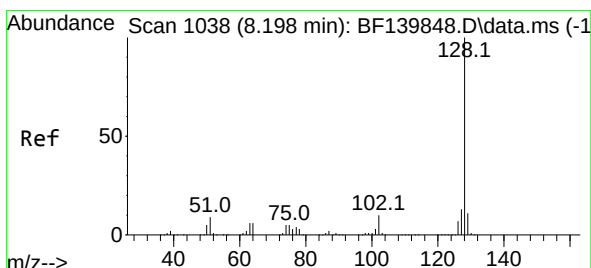
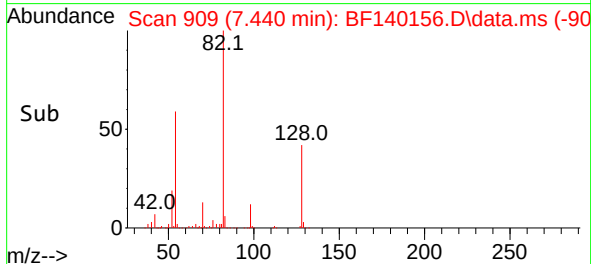
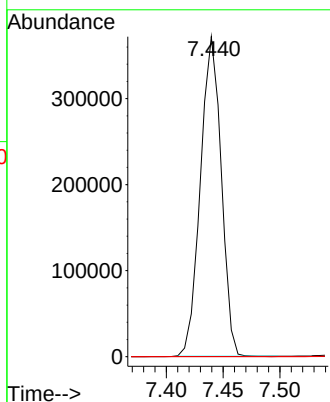


#25
Isophorone
Concen: 32.562 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.270 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

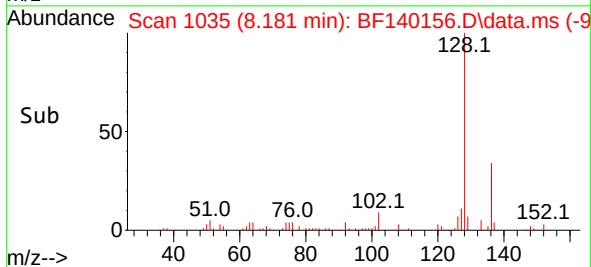
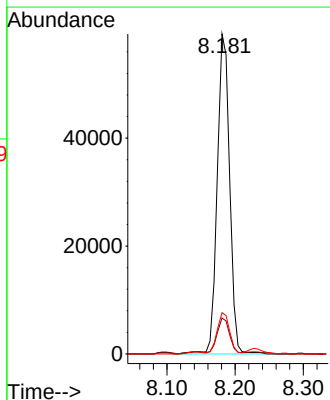
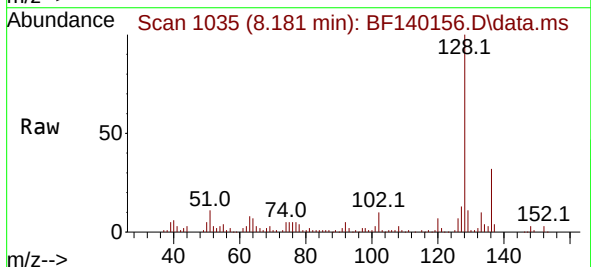


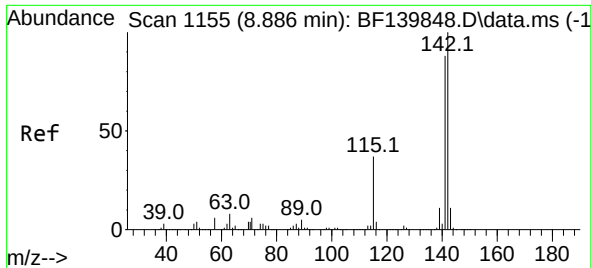
Tgt Ion: 82 Resp: 472109
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#



#31
Naphthalene
Concen: 3.449 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.017 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion: 128 Resp: 75308
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 12.9 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.122 ng

RT: 8.875 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

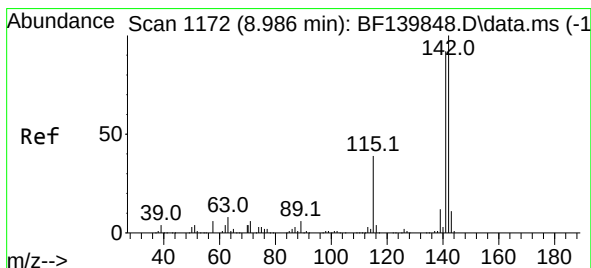
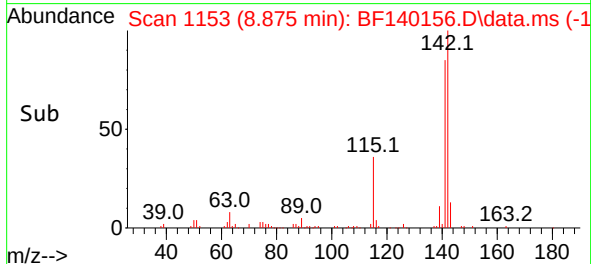
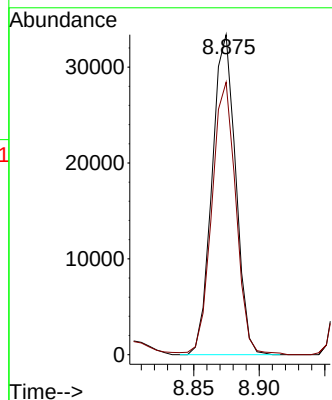
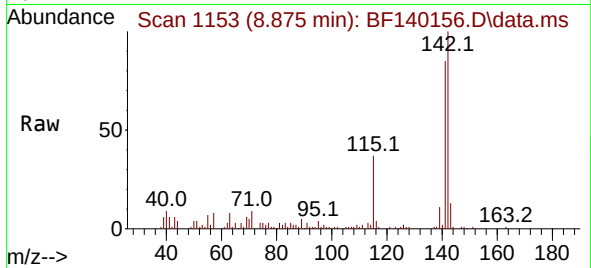
WB-305-TOP

Tgt Ion:142 Resp: 41754

Ion Ratio Lower Upper

142 100

141 85.2 70.8 106.2



#38

1-Methylnaphthalene

Concen: 3.425 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.012 min

Lab File: BF140156.D

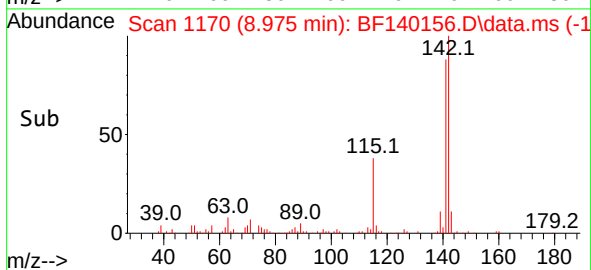
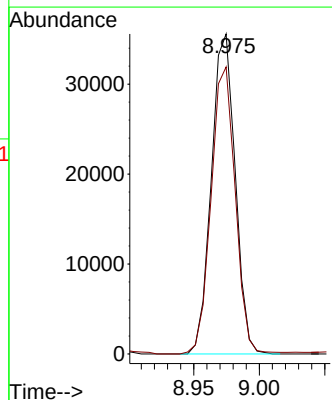
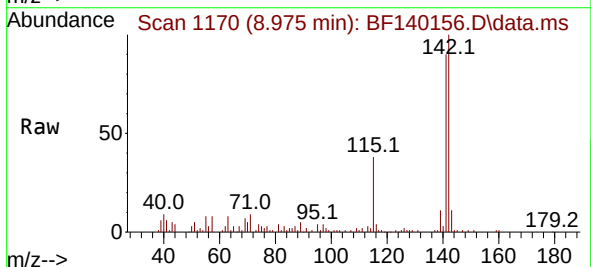
Acq: 30 Oct 2024 14:41

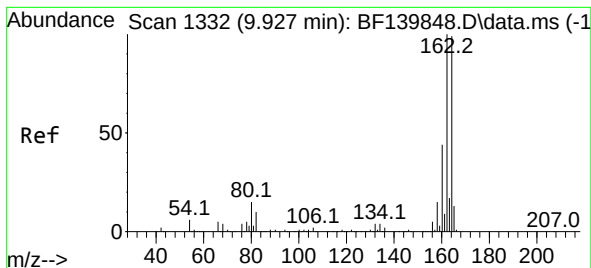
Tgt Ion:142 Resp: 44934

Ion Ratio Lower Upper

142 100

141 89.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

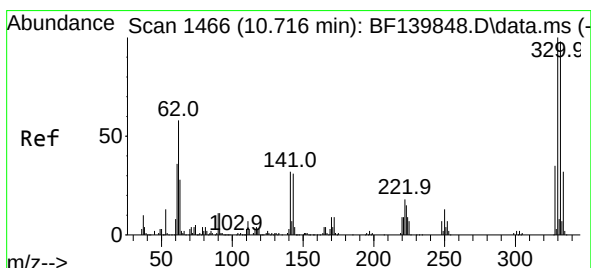
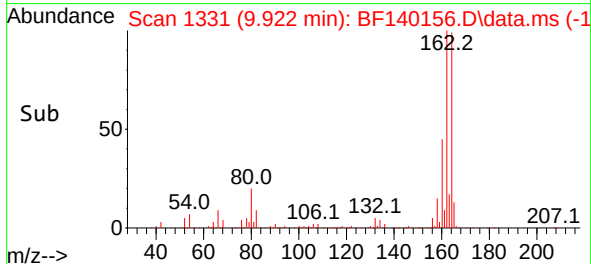
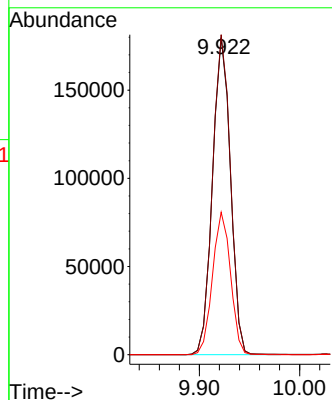
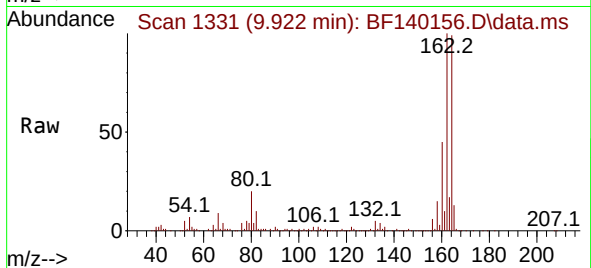
Tgt Ion:164 Resp: 224222

Ion Ratio Lower Upper

164 100

162 100.9 81.0 121.4

160 44.9 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 78.707 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

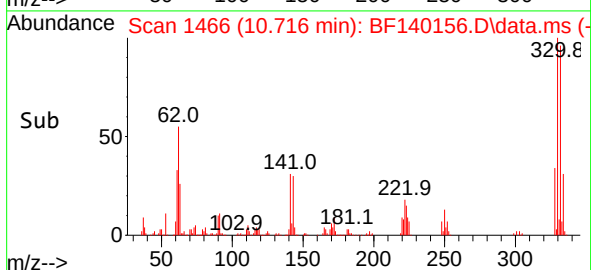
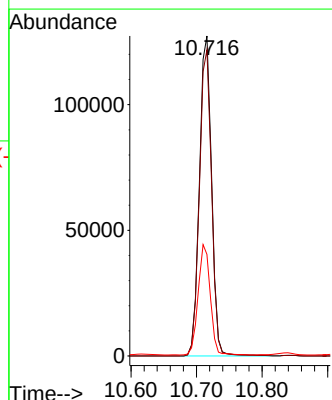
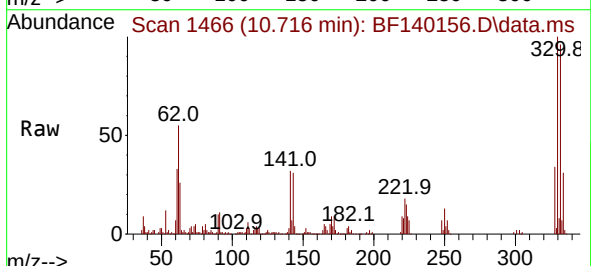
Tgt Ion:330 Resp: 165073

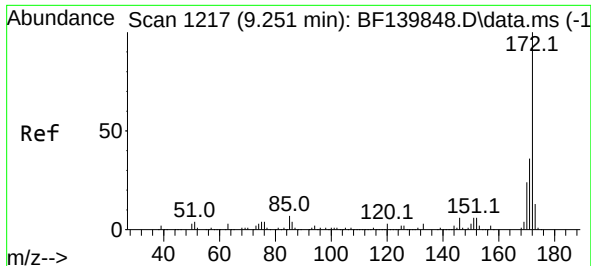
Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

141 34.2 26.6 39.8

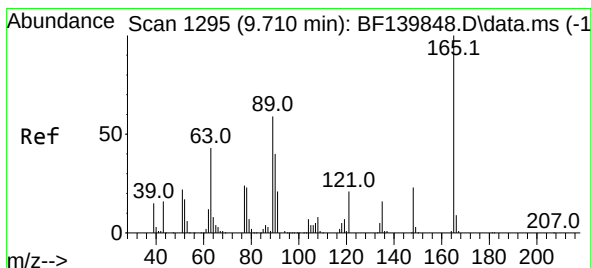
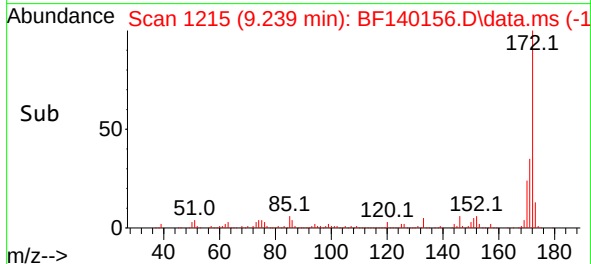
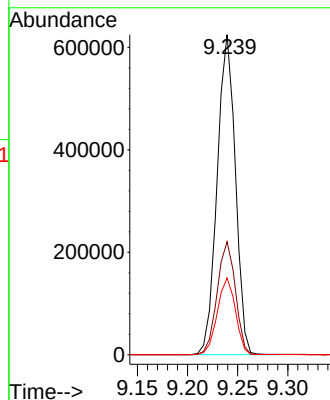
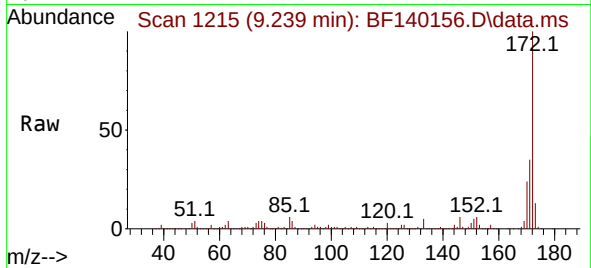




#45
2-Fluorobiphenyl
Concen: 58.151 ng
RT: 9.239 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

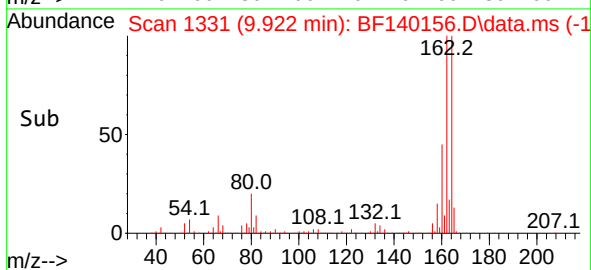
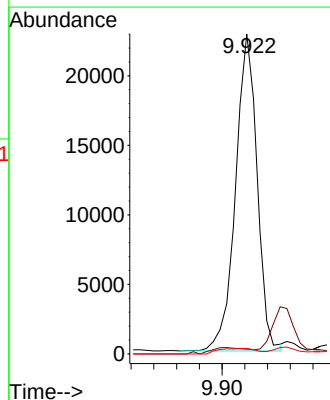
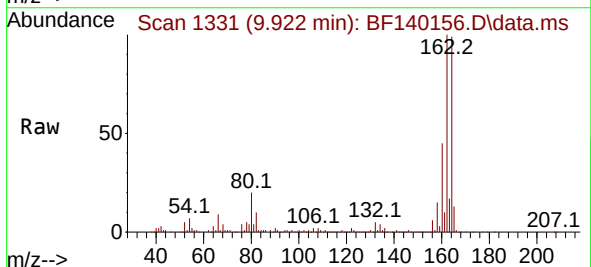
Instrument :
BNA_F
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WB-305-TOP

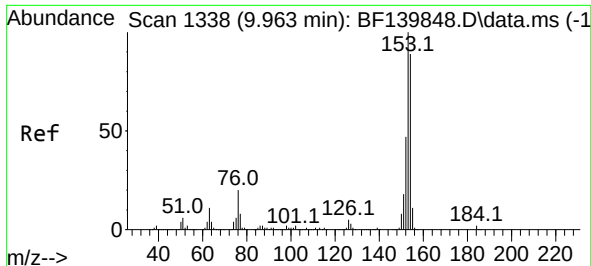
Tgt Ion:172 Resp: 788942
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.0 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 9.905 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:165 Resp: 29953
Ion Ratio Lower Upper
165 100
63 1.5 50.6 75.8#
89 1.7 47.5 71.3#

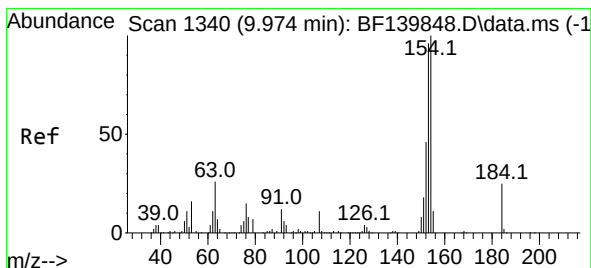
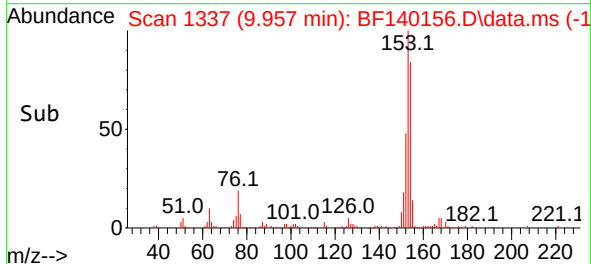
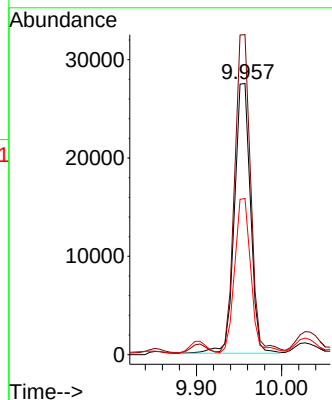
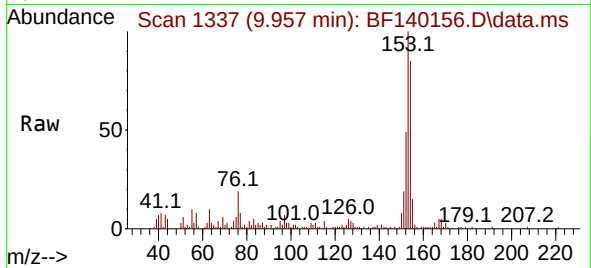




#52
Acenaphthene
Concen: 3.054 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

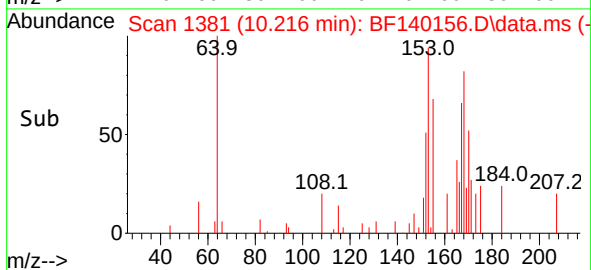
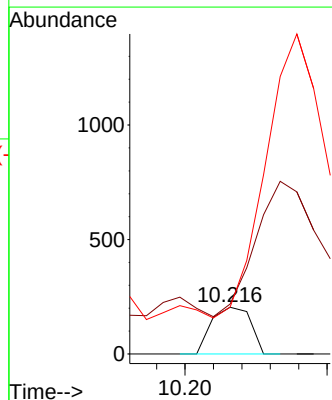
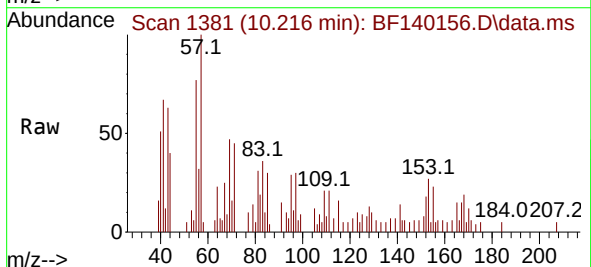
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

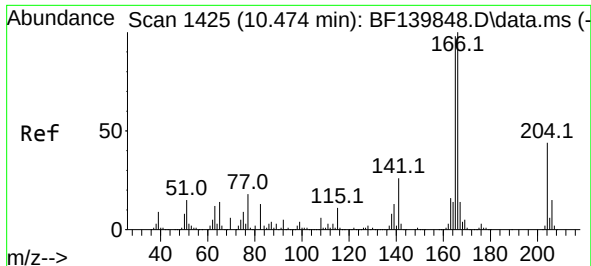
Tgt Ion:154 Resp: 35905
Ion Ratio Lower Upper
154 100
153 118.0 89.8 134.6
152 57.6 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.670 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.242 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:184 Resp: 194
Ion Ratio Lower Upper
184 100
63 106.9 84.7 127.1
154 100.5 338.2 507.2#

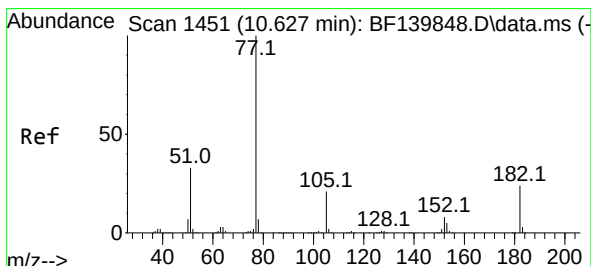
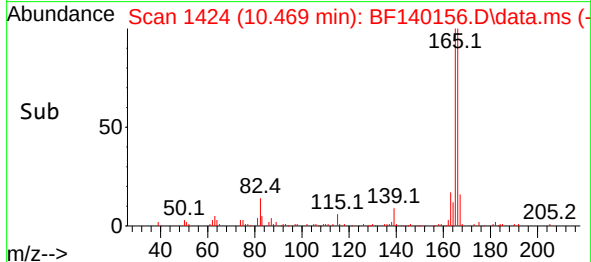
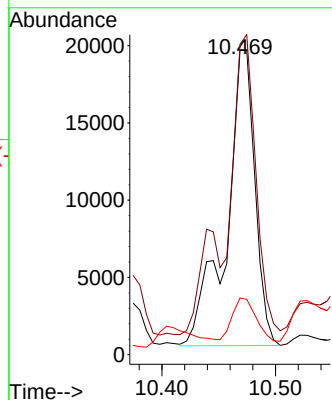
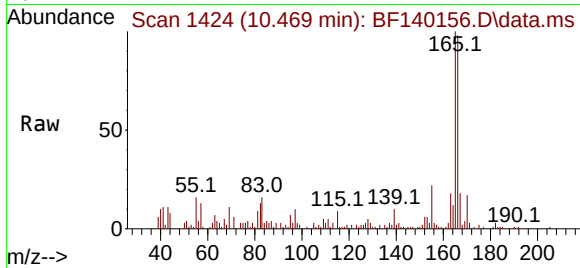




#58
Fluorene
Concen: 2.610 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

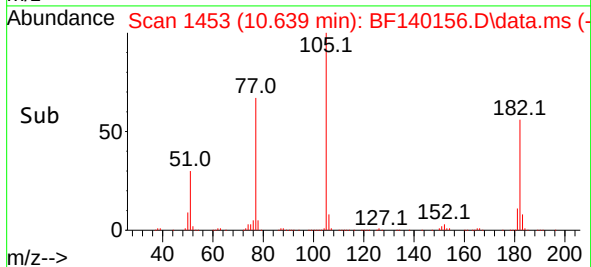
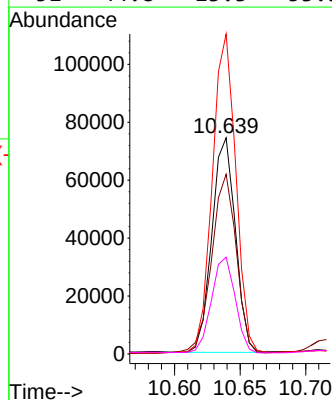
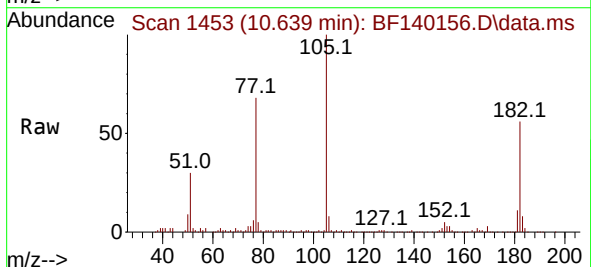
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

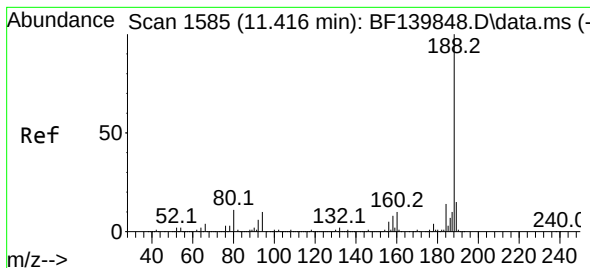
Tgt Ion:166 Resp: 33528
Ion Ratio Lower Upper
166 100
165 102.0 78.5 117.7
167 18.6 10.9 16.3#



#63
Azobenzene
Concen: 6.350 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion: 77 Resp: 92322
Ion Ratio Lower Upper
77 100
182 83.1 3.3 43.3#
105 148.0 1.2 41.2#
51 44.8 13.3 53.3

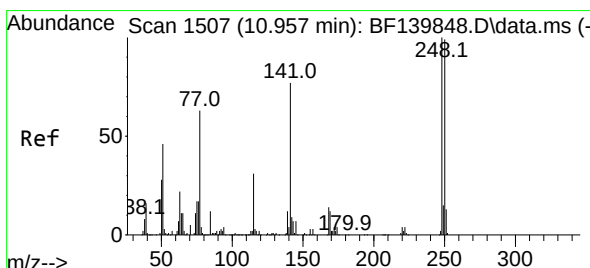
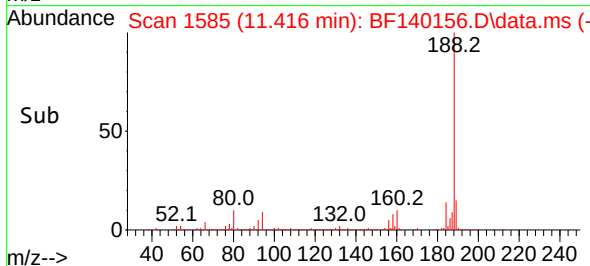
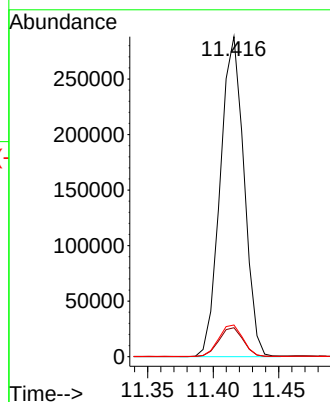
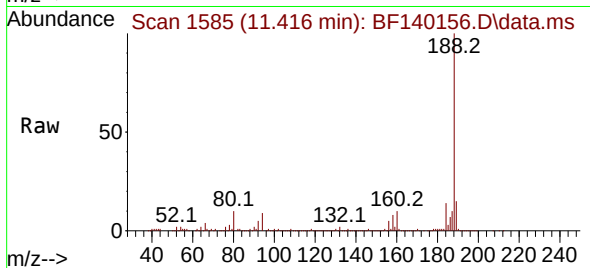




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

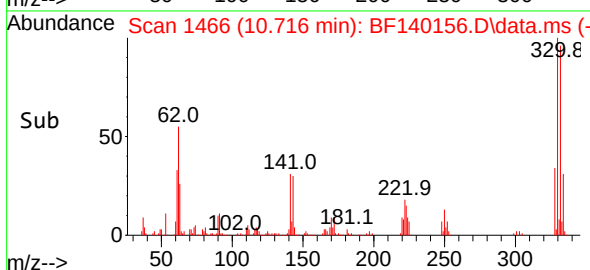
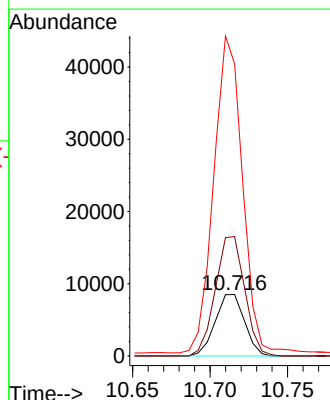
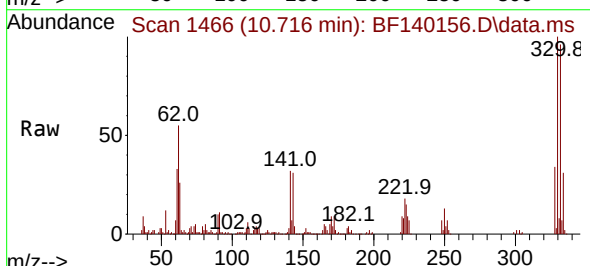
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

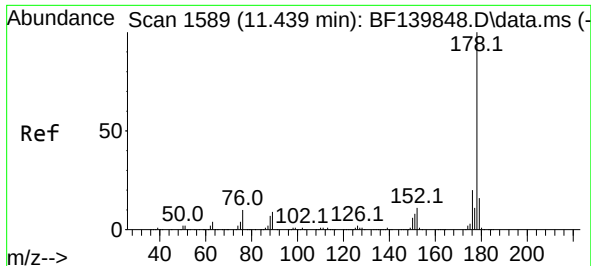
Tgt Ion:188 Resp: 363381
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.9 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 2.992 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:248 Resp: 11199
Ion Ratio Lower Upper
248 100
250 194.0 79.0 118.6#
141 474.9 61.7 92.5#

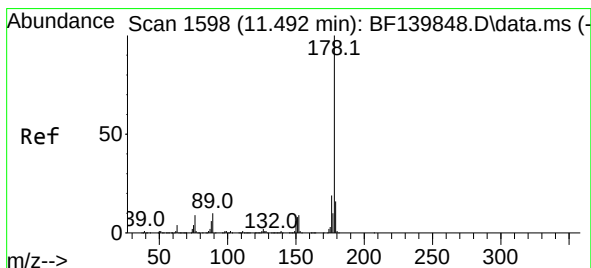
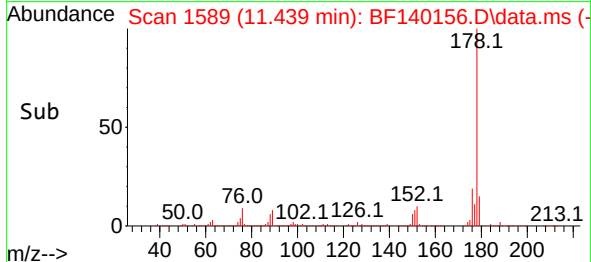
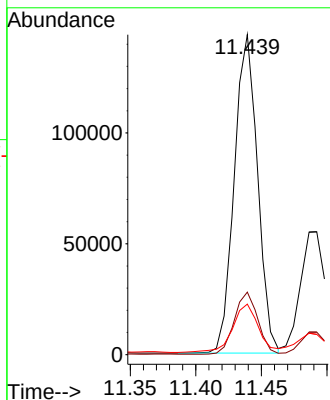
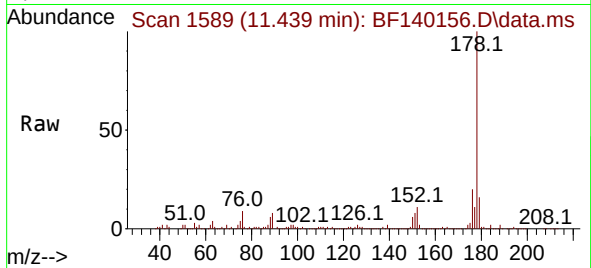




#71
Phenanthrene
Concen: 10.326 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

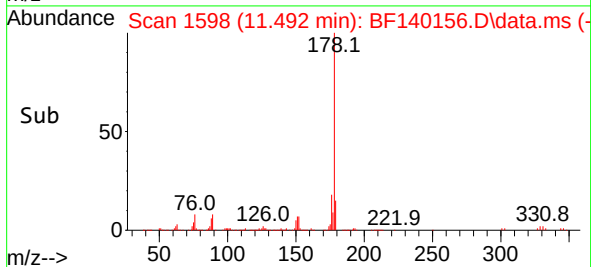
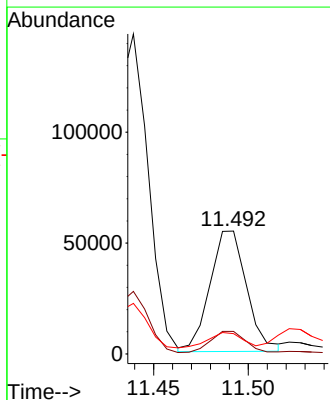
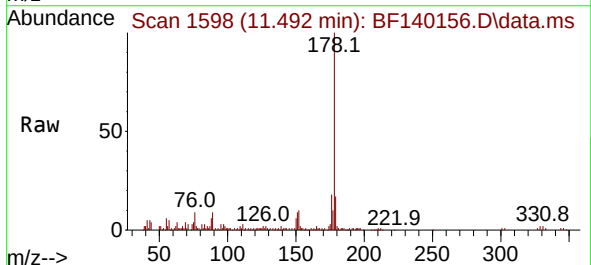
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

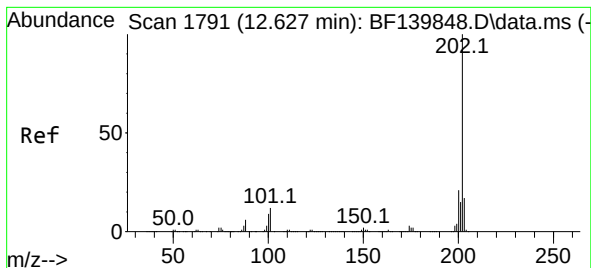
Tgt Ion:178 Resp: 177240
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.8 12.6 18.8



#72
Anthracene
Concen: 4.385 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:178 Resp: 73441
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 16.6 12.4 18.6





#75

Fluoranthene

Concen: 9.793 ng

RT: 12.633 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

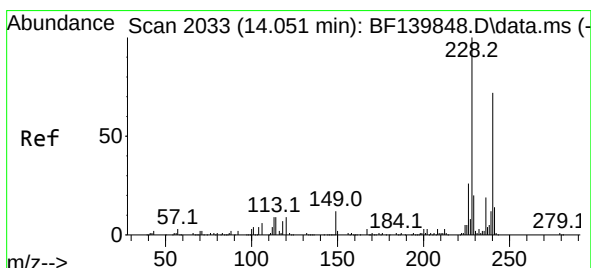
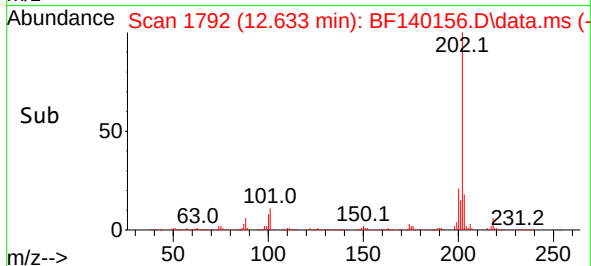
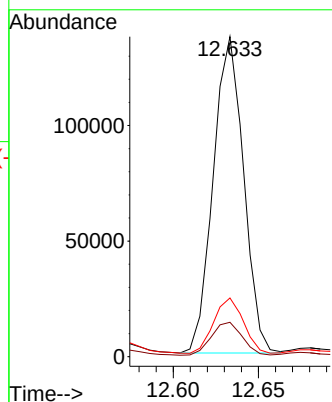
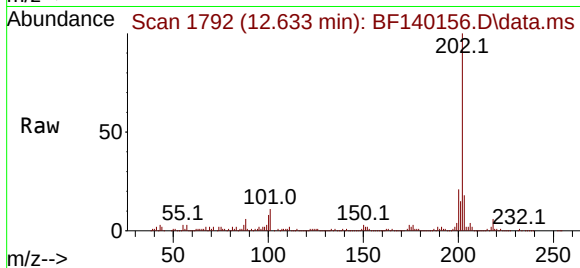
Tgt Ion:202 Resp: 169924

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.9

203 18.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

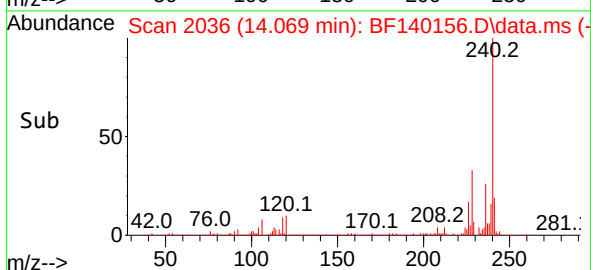
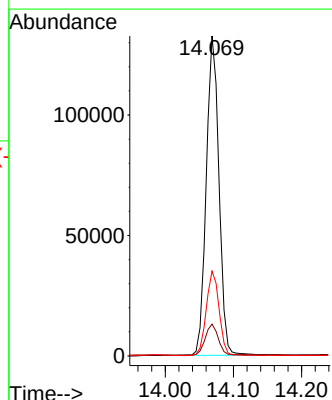
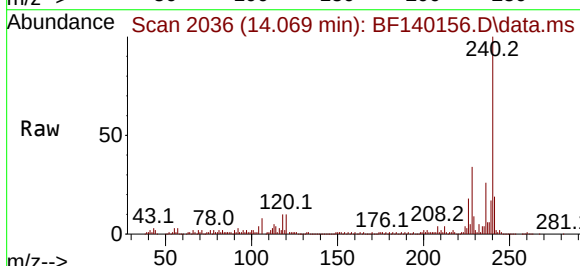
Tgt Ion:240 Resp: 172346

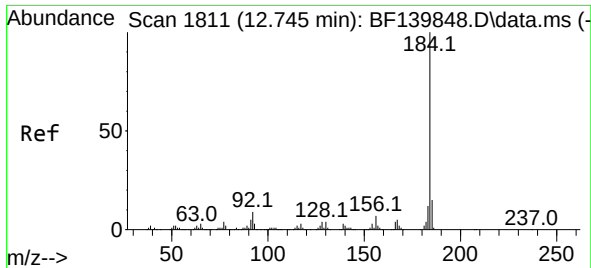
Ion Ratio Lower Upper

240 100

120 9.9 9.4 14.2

236 26.5 20.9 31.3

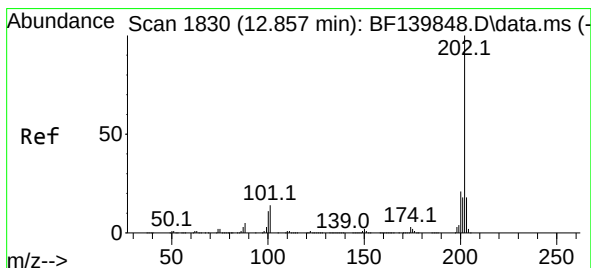
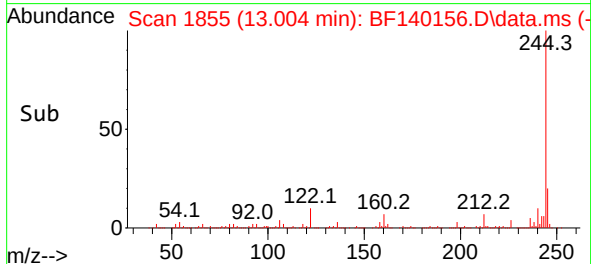
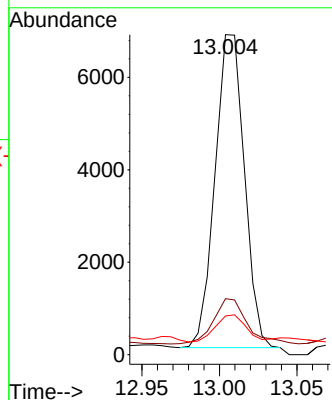
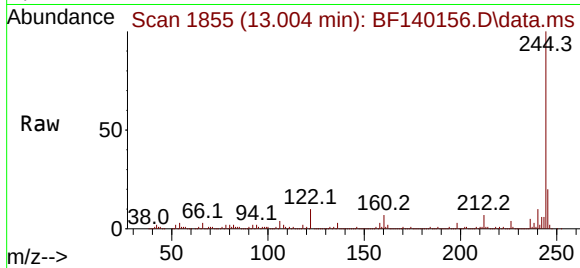




#77
Benzidine
Concen: 3.157 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.259 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

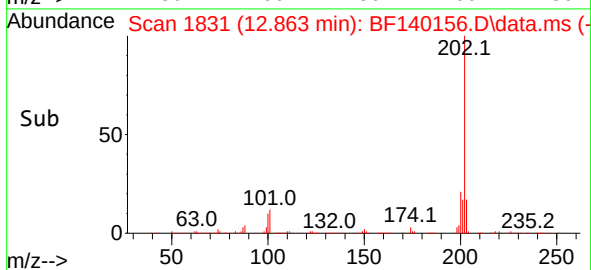
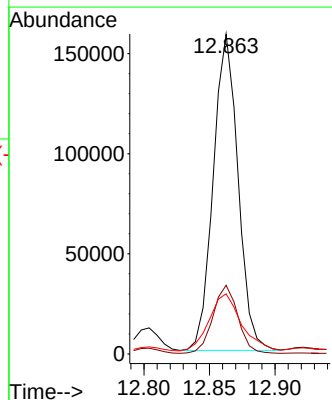
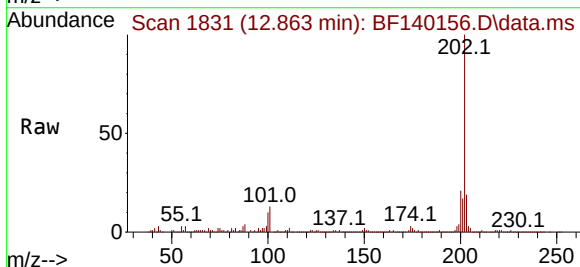
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

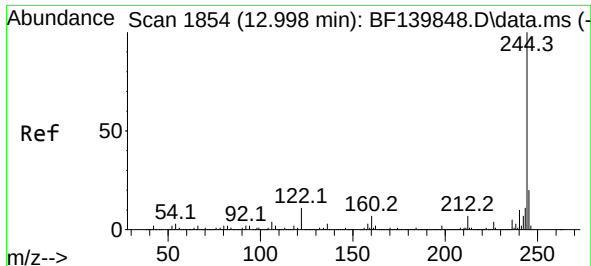
Tgt Ion:184 Resp: 8948
Ion Ratio Lower Upper
184 100
185 17.5 12.0 18.0
183 12.1 9.4 14.2



#78
Pyrene
Concen: 13.775 ng
RT: 12.863 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:202 Resp: 207813
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 18.8 14.2 21.4

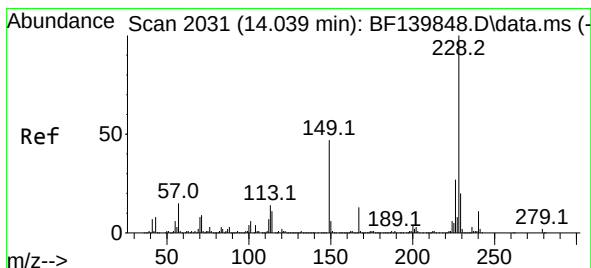
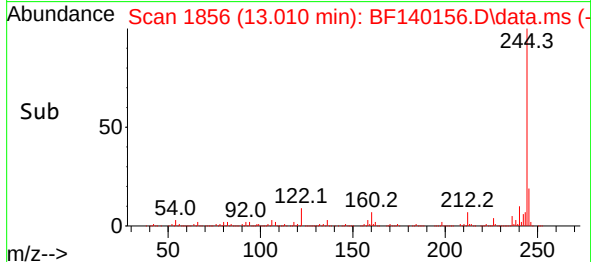
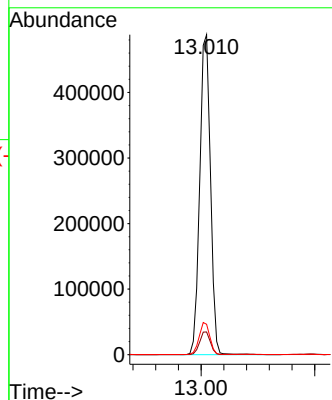
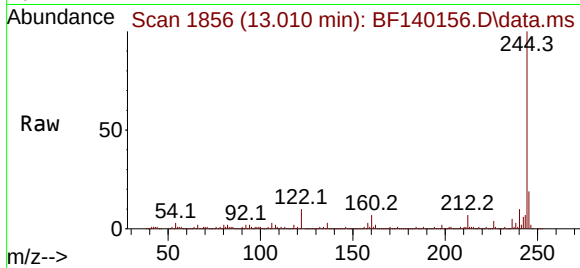




#79
 Terphenyl-d14
 Concen: 60.613 ng
 RT: 13.010 min Scan# 1856
 Delta R.T. 0.012 min
 Lab File: BF140156.D
 Acq: 30 Oct 2024 14:41

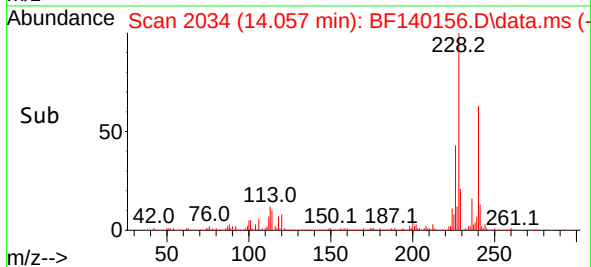
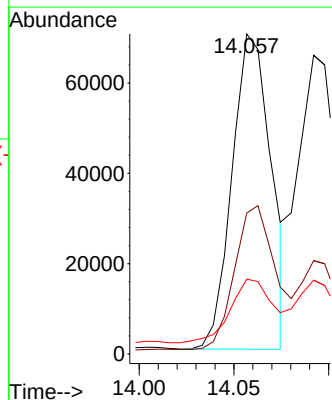
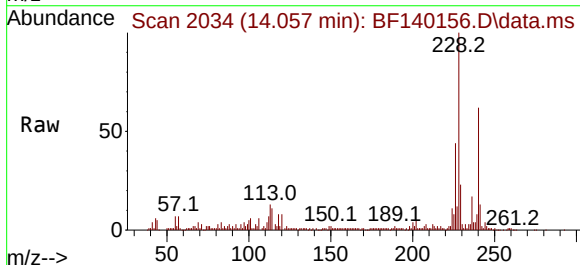
Instrument :
 BNA_F
 ClientSampleId :
 WB-305-TOP

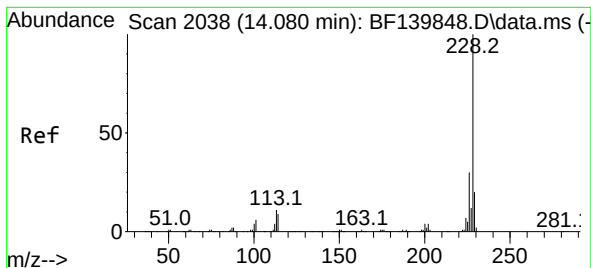
Tgt Ion:244 Resp: 641093
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 9.5 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 8.927 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.018 min
 Lab File: BF140156.D
 Acq: 30 Oct 2024 14:41

Tgt Ion:228 Resp: 100152
 Ion Ratio Lower Upper
 228 100
 226 44.1 21.6 32.4#
 229 23.4 16.1 24.1





#83

Chrysene

Concen: 9.301 ng

RT: 14.092 min Scan# 2038

Delta R.T. 0.012 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

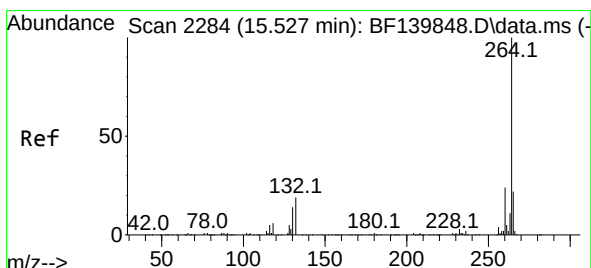
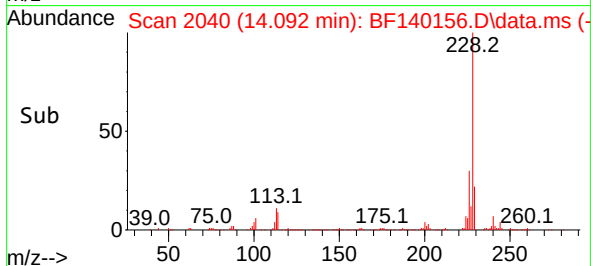
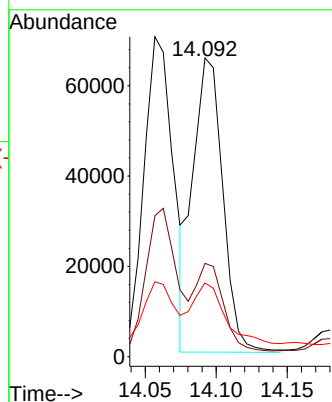
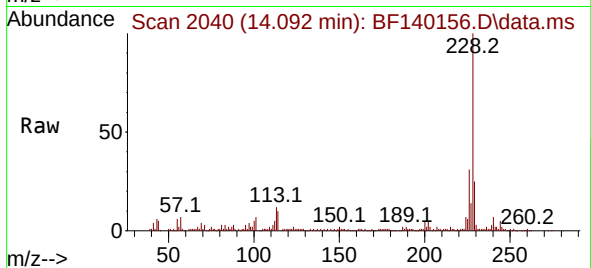
Tgt Ion:228 Resp: 95672

Ion Ratio Lower Upper

228 100

226 31.2 24.1 36.1

229 24.7 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2293

Delta R.T. 0.053 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

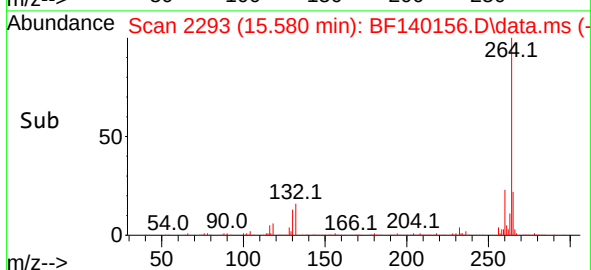
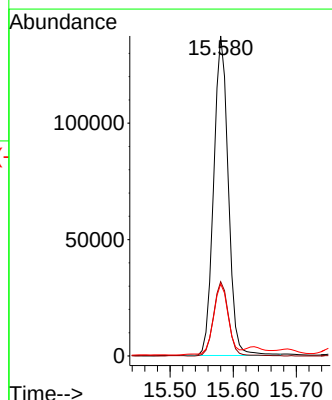
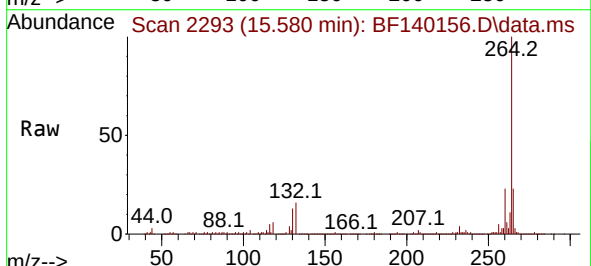
Tgt Ion:264 Resp: 220971

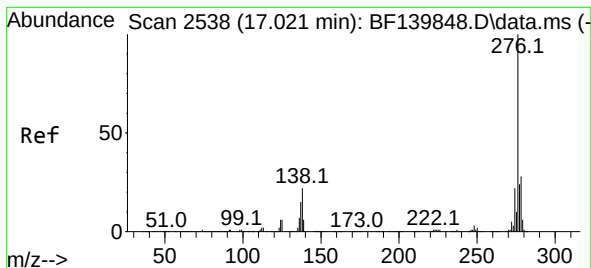
Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.958 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.077 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP

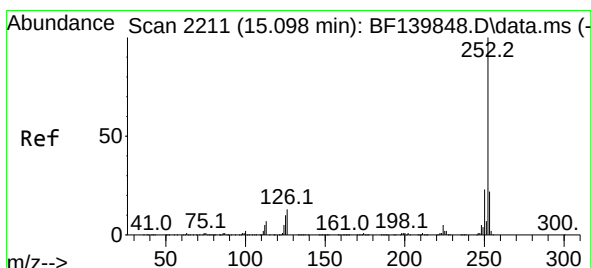
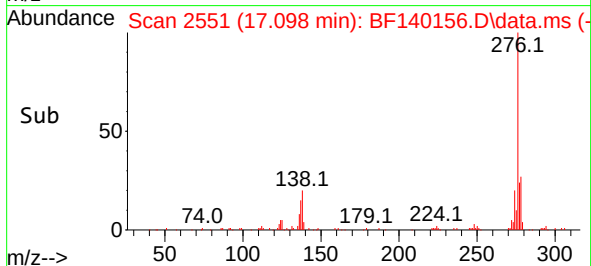
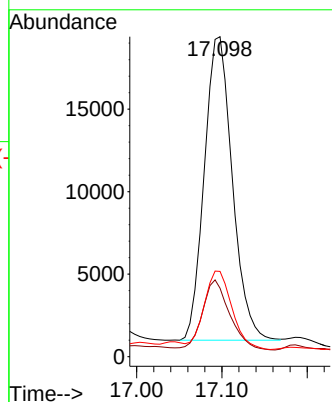
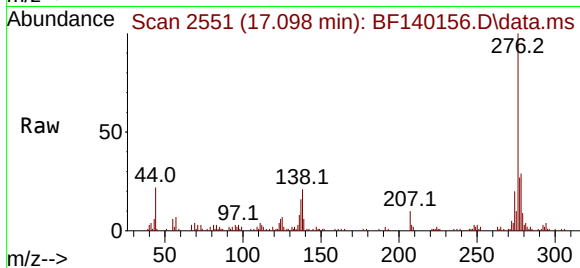
Tgt Ion:276 Resp: 42053

Ion Ratio Lower Upper

276 100

138 22.6 20.4 30.6

277 25.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 8.177 ng

RT: 15.139 min Scan# 2218

Delta R.T. 0.041 min

Lab File: BF140156.D

Acq: 30 Oct 2024 14:41

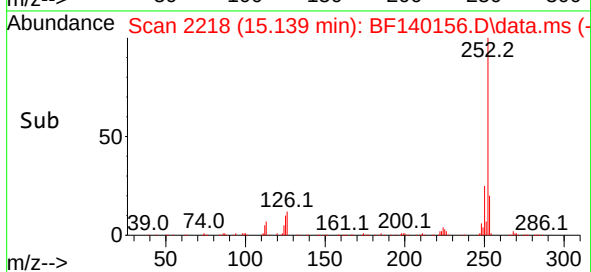
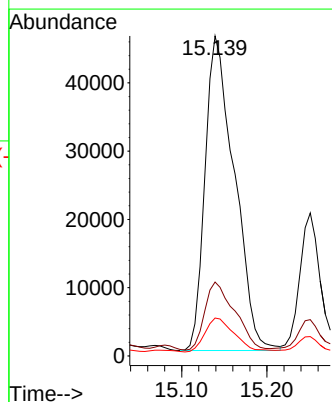
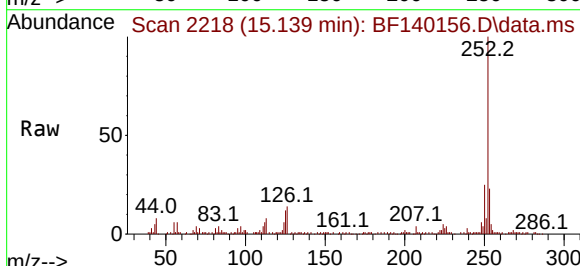
Tgt Ion:252 Resp: 110061

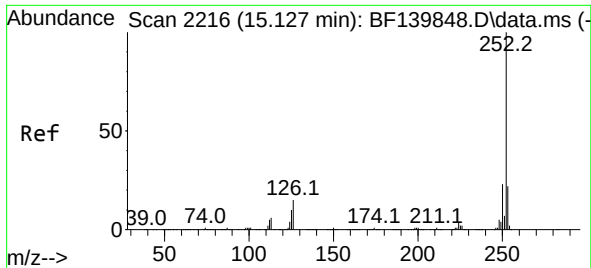
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.9 7.9 11.9

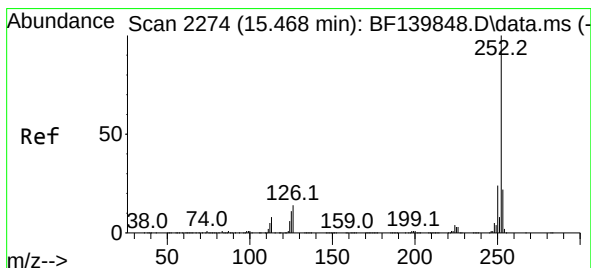
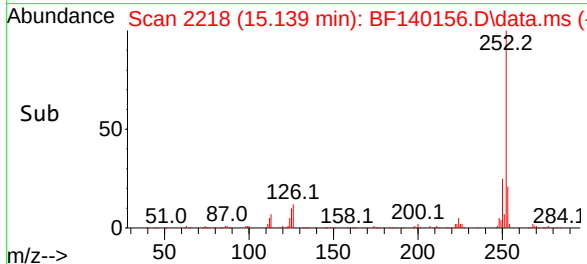
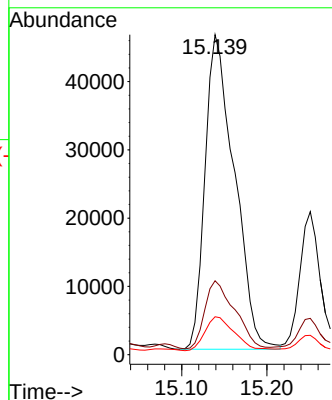
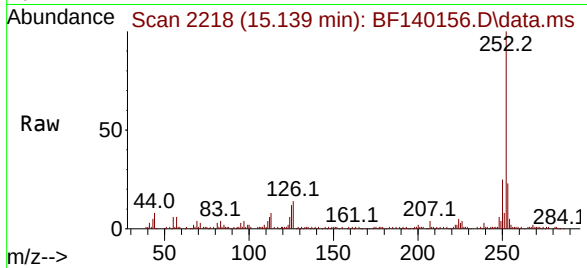




#89
Benzo(k)fluoranthene
Concen: 9.481 ng
RT: 15.139 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

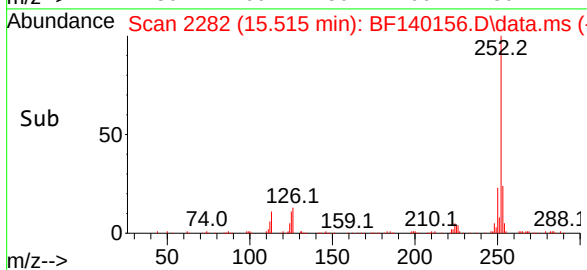
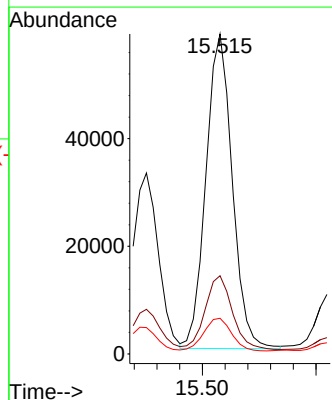
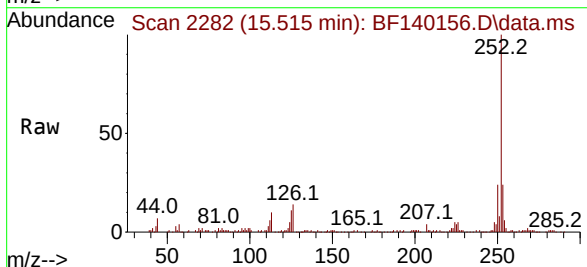
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP

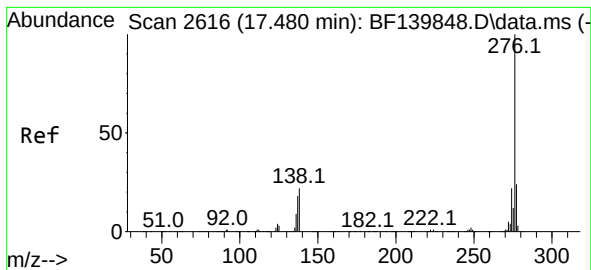
Tgt Ion:252 Resp: 110061
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.9 7.9 11.9



#90
Benzo(a)pyrene
Concen: 8.501 ng
RT: 15.515 min Scan# 2282
Delta R.T. 0.047 min
Lab File: BF140156.D
Acq: 30 Oct 2024 14:41

Tgt Ion:252 Resp: 94161
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 11.2 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 3.654 ng

RT: 17.551 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF140156.D

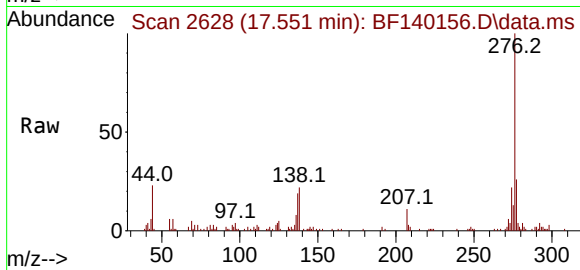
Acq: 30 Oct 2024 14:41

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP



Tgt Ion:276 Resp: 43282

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.6

138 22.2 17.4 26.0

