

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140378.D
 Acq On : 14 Nov 2024 22:20
 Operator : RC/JU
 Sample : P4768-06DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2DL

Quant Time: Nov 15 00:30:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

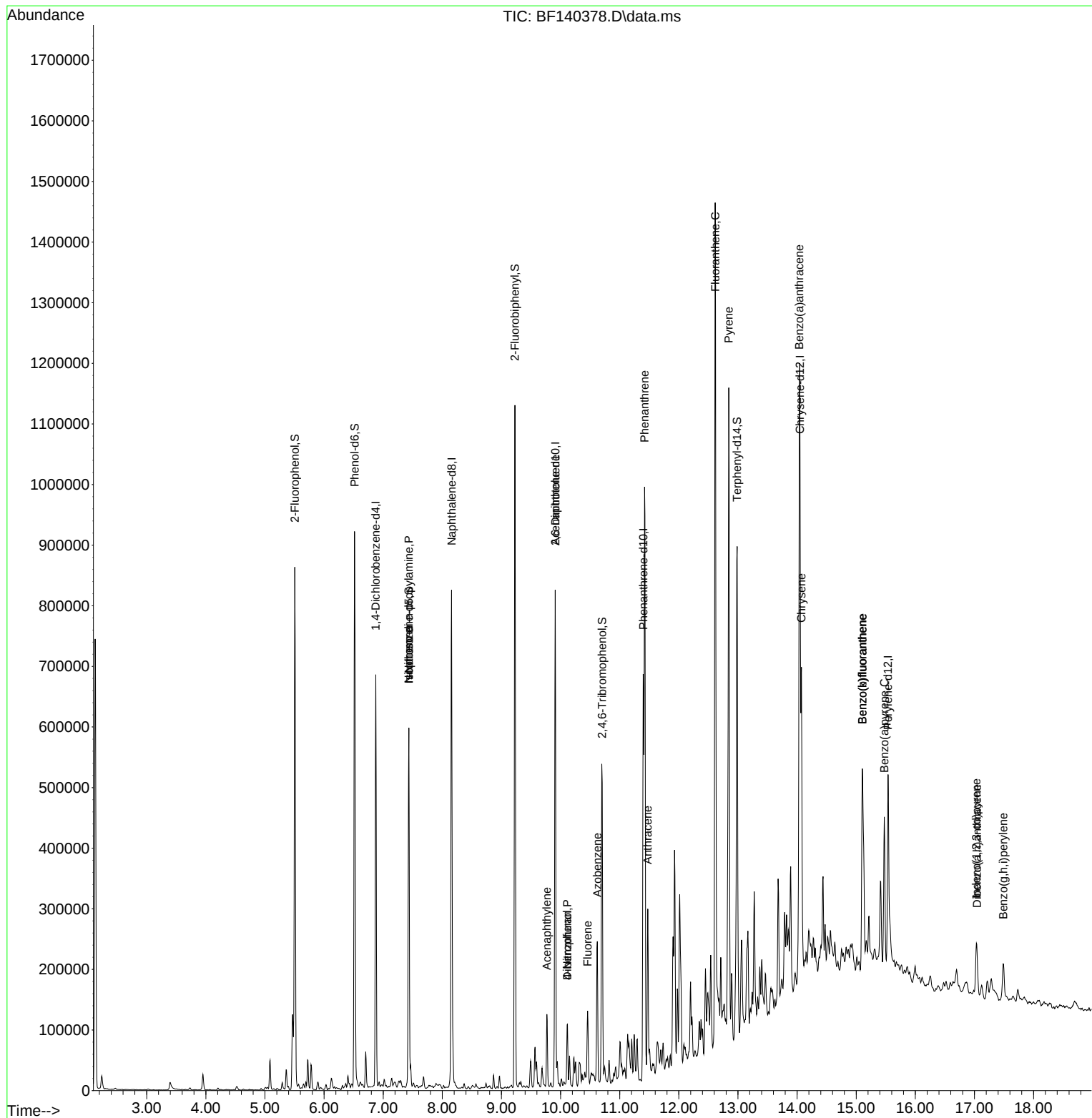
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	135115	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	504974	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	233440	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	349983	20.000	ng	0.00
76) Chrysene-d12	14.051	240	247139	20.000	ng	0.00
86) Perylene-d12	15.539	264	180477	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	320181	40.460	ng	0.01
7) Phenol-d6	6.516	99	420745	39.243	ng	0.01
23) Nitrobenzene-d5	7.434	82	263207	27.157	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	70598	30.412	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	479622	33.028	ng	0.00
79) Terphenyl-d14	12.986	244	387993	27.251	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	35851	5.536	ng	# 79
25) Isophorone	7.434	82	258929	15.074	ng	# 67
49) Acenaphthylene	9.769	152	67545	3.451	ng	98
51) 2,6-Dinitrotoluene	9.910	165	31397	9.051	ng	# 22
55) Dibenzofuran	10.116	168	38101	2.036	ng	# 97
56) 4-Nitrophenol	10.116	139	15434	5.808	ng	# 7
58) Fluorene	10.457	166	45390	3.070	ng	95
63) Azobenzene	10.622	77	46090	2.998	ng	# 1
71) Phenanthrene	11.422	178	515919	31.381	ng	100
72) Anthracene	11.474	178	150914	9.366	ng	99
75) Fluoranthene	12.616	202	735343	39.867	ng	99
78) Pyrene	12.845	202	620501	29.353	ng	99
81) Benzo(a)anthracene	14.039	228	377982	23.271	ng	96
83) Chrysene	14.074	228	252404	17.031	ng	96
87) Indeno(1,2,3-cd)pyrene	17.033	276	66010	5.921	ng	98
88) Benzo(b)fluoranthene	15.104	252	288280	24.418	ng	97
89) Benzo(k)fluoranthene	15.104	252	288280	29.890	ng	# 96
90) Benzo(a)pyrene	15.474	252	141682	15.454	ng	97
91) Dibenzo(a,h)anthracene	17.045	278	20116	2.183	ng	# 81
92) Benzo(g,h,i)perylene	17.486	276	53603	5.690	ng	# 92

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

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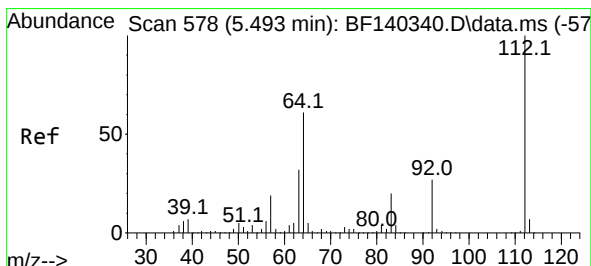
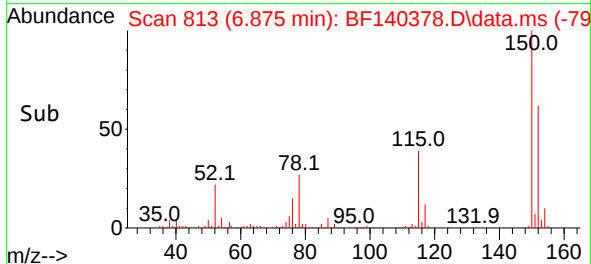
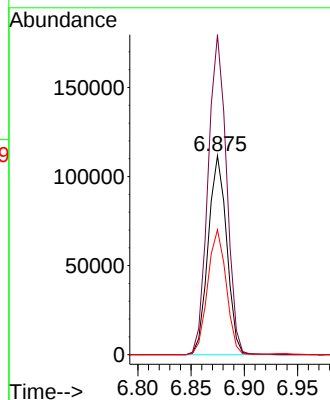
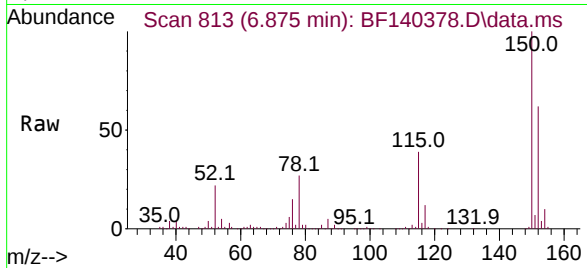




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

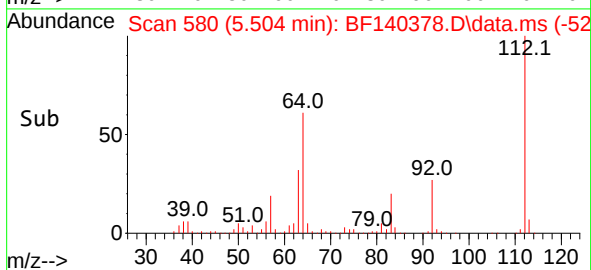
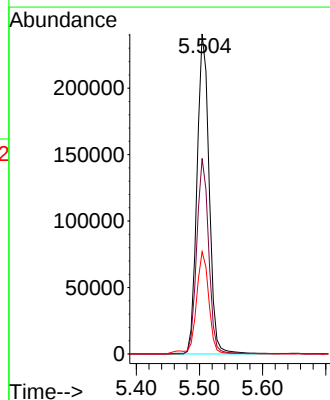
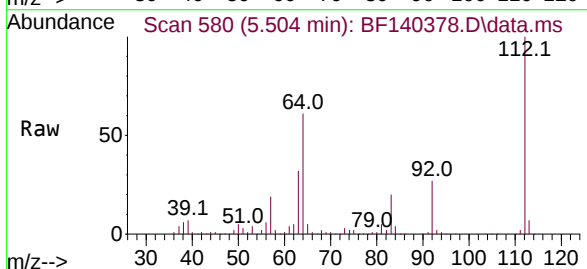
Instrument :
BNA_F
ClientSampleId :
B-6-2DL

Tgt Ion:152 Resp: 135115
Ion Ratio Lower Upper
152 100
150 160.8 127.4 191.0
115 62.8 47.4 71.2



#5
2-Fluorophenol
Concen: 40.460 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:112 Resp: 320181
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 31.9 25.6 38.4

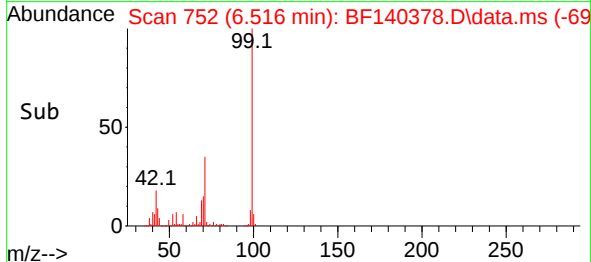
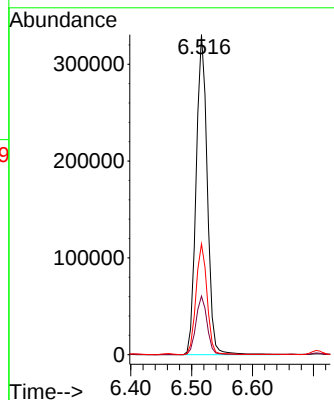
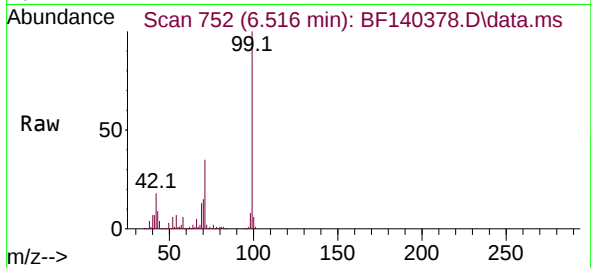




#7
Phenol-d6
Concen: 39.243 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

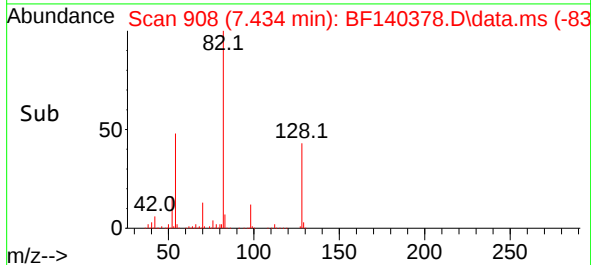
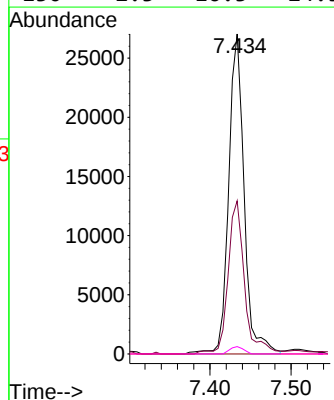
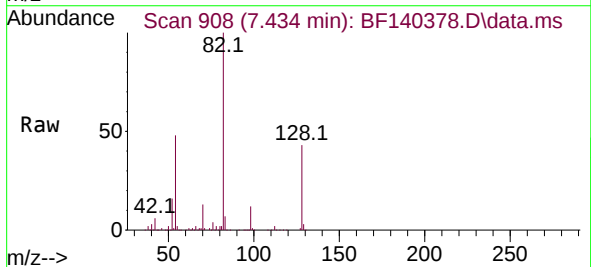
Instrument :
BNA_F
Client SampleId :
B-6-2DL

Tgt Ion: 99 Resp: 420745
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.6 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.536 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion: 70 Resp: 35851
Ion Ratio Lower Upper
70 100
42 47.9 46.8 70.2
101 0.0 7.5 11.3#
130 2.3 16.3 24.5#



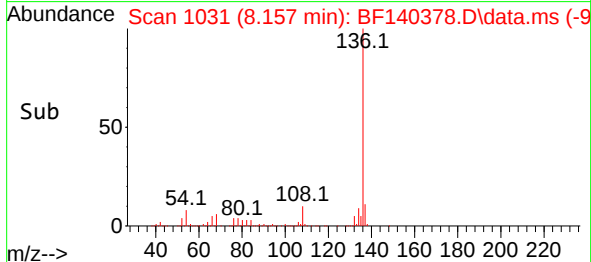
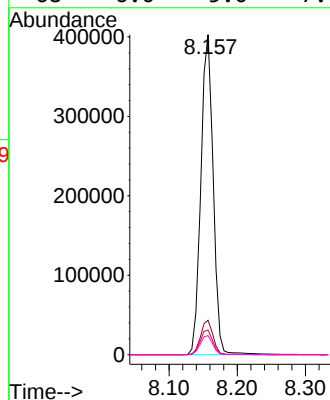
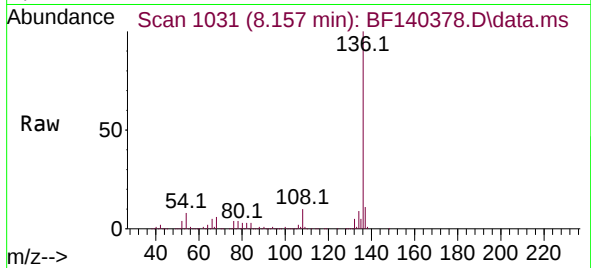


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Instrument :
BNA_F
ClientSampleId :
B-6-2DL

Tgt Ion:136 Resp: 504974

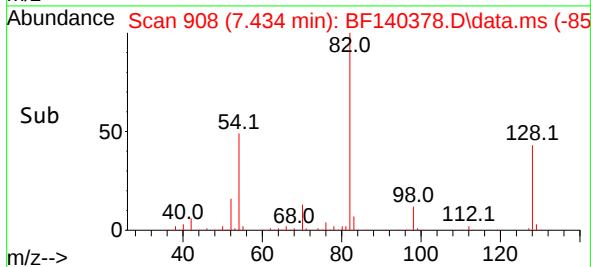
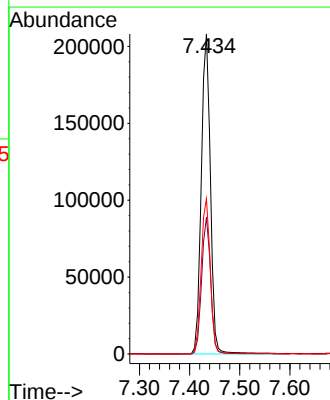
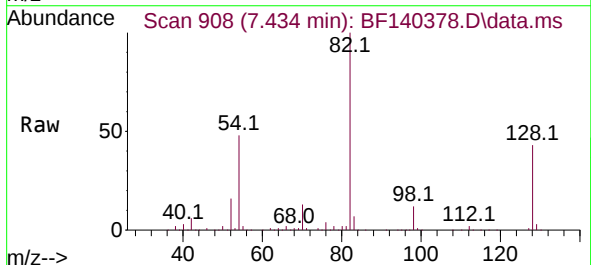
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.7	6.5	9.7
68	6.0	5.0	7.6



#23
Nitrobenzene-d5
Concen: 27.157 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion: 82 Resp: 263207

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.3	49.9
54	48.5	39.8	59.8

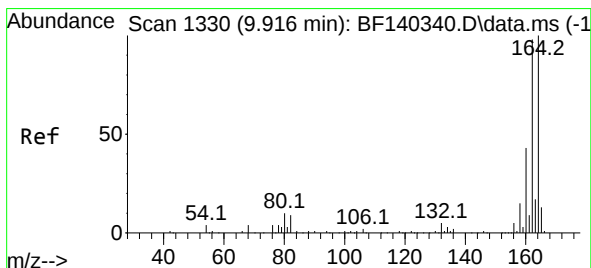
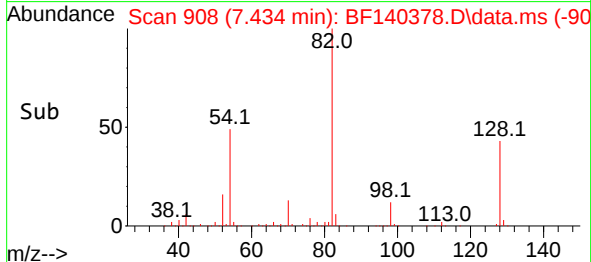
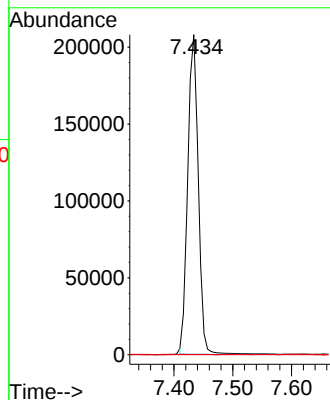
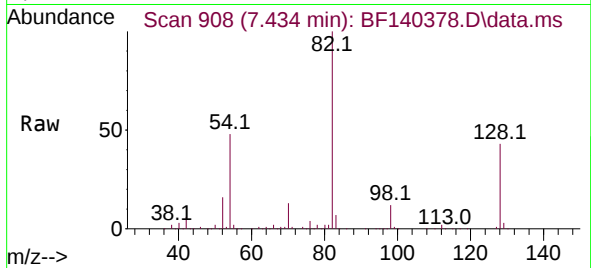




#25
Isophorone
Concen: 15.074 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

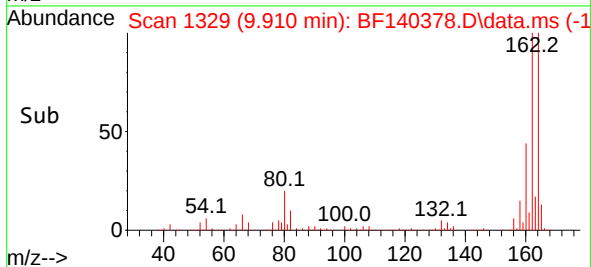
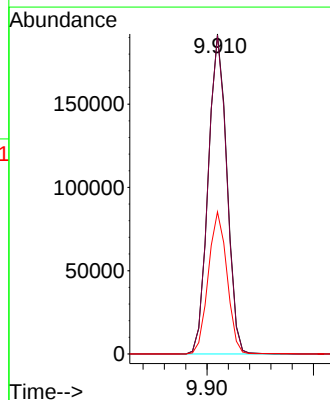
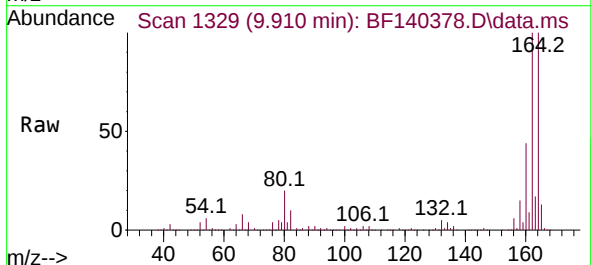
Instrument :
BNA_F
ClientSampleId :
B-6-2DL

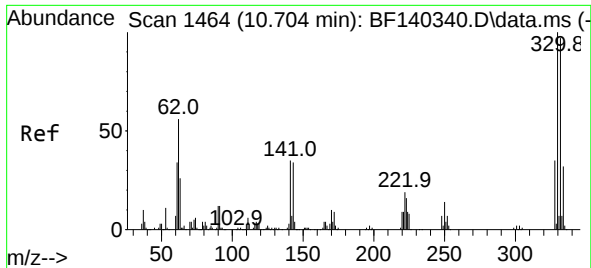
Tgt Ion: 82 Resp: 258929
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:164 Resp: 233440
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 30.412 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140378.D

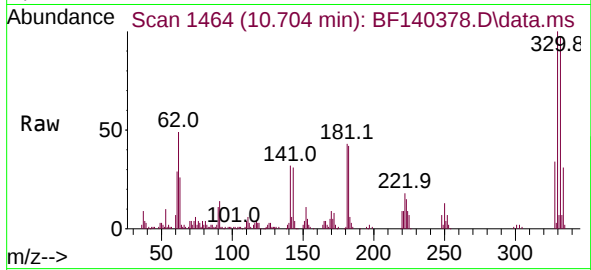
Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL



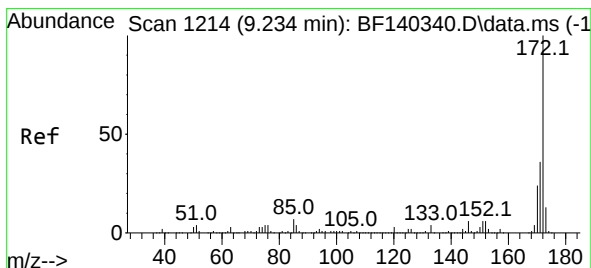
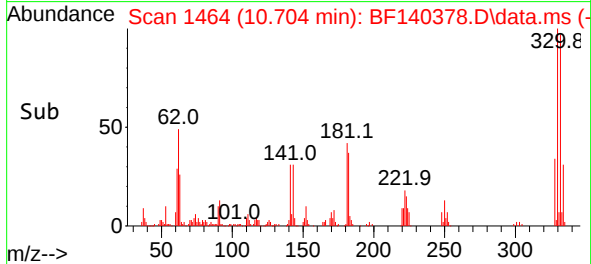
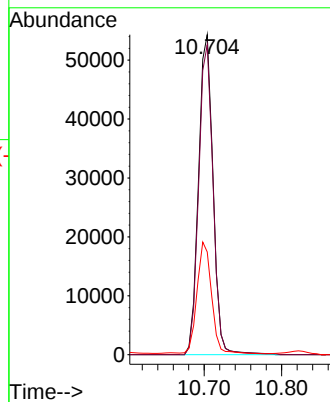
Tgt Ion:330 Resp: 70598

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

141 34.8 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 33.028 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

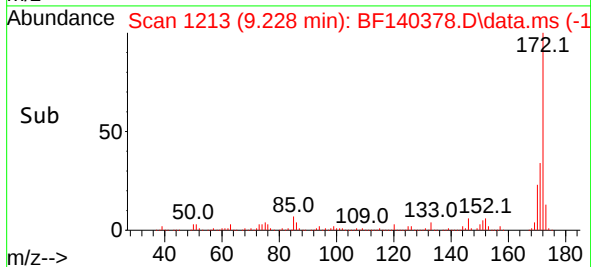
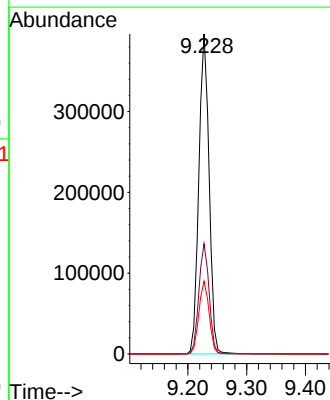
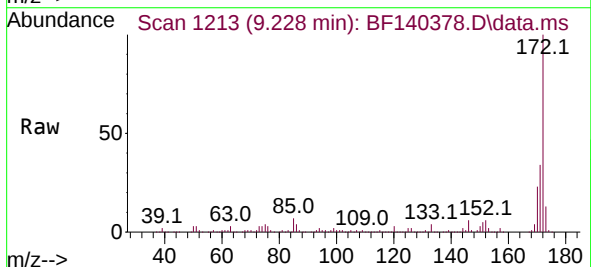
Tgt Ion:172 Resp: 479622

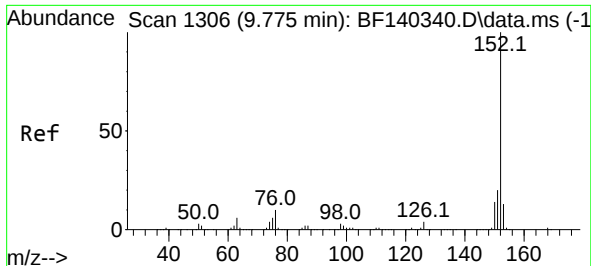
Ion Ratio Lower Upper

172 100

171 34.5 28.5 42.7

170 22.7 19.1 28.7





#49

Acenaphthylene

Concen: 3.451 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

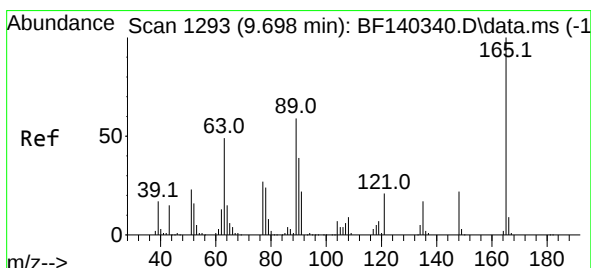
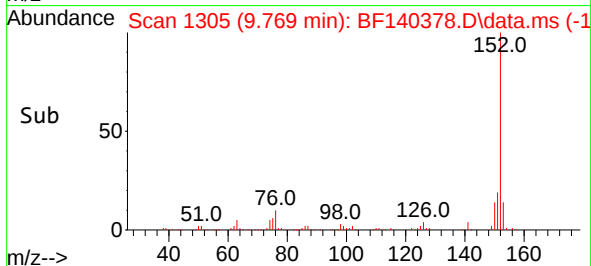
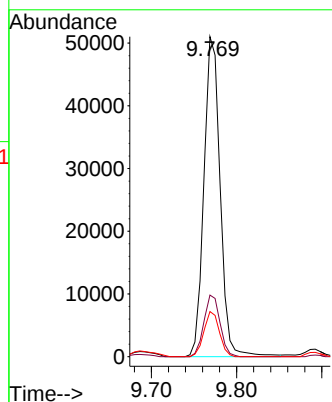
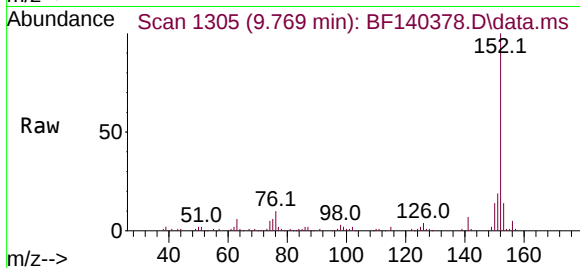
Tgt Ion:152 Resp: 67545

Ion Ratio Lower Upper

152 100

151 19.3 16.1 24.1

153 14.1 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.051 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

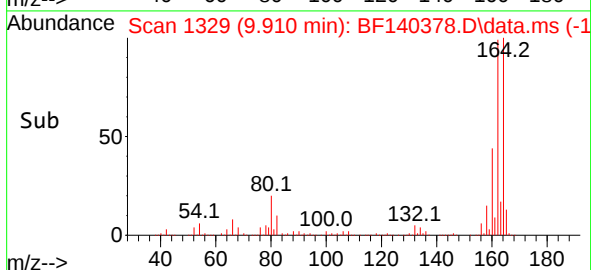
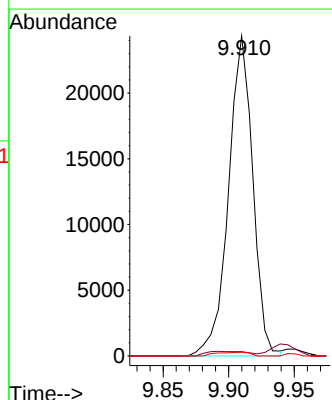
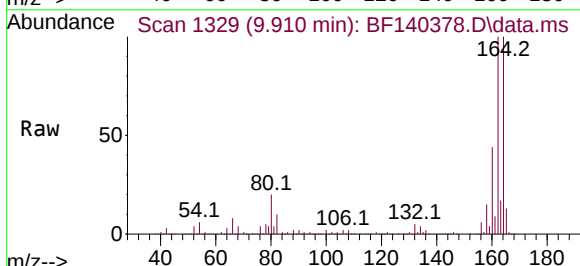
Tgt Ion:165 Resp: 31397

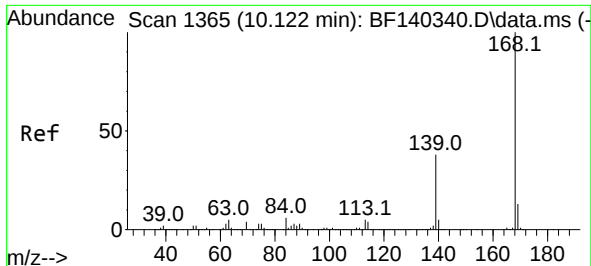
Ion Ratio Lower Upper

165 100

63 1.3 47.6 71.4#

89 1.2 48.1 72.1#

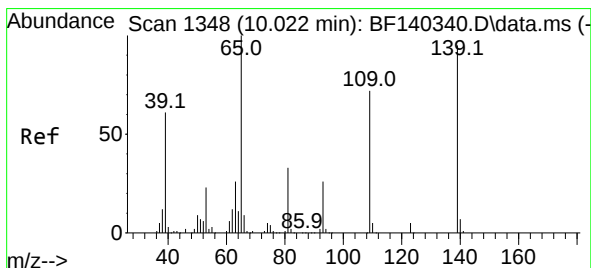
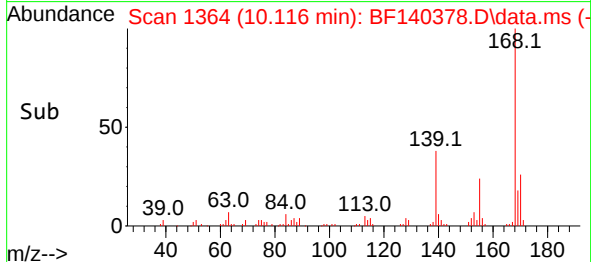
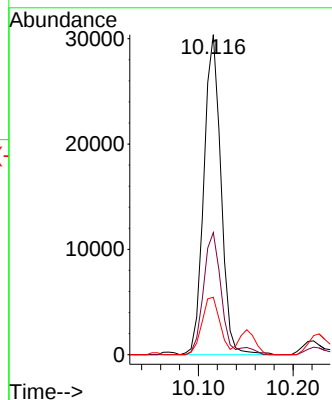
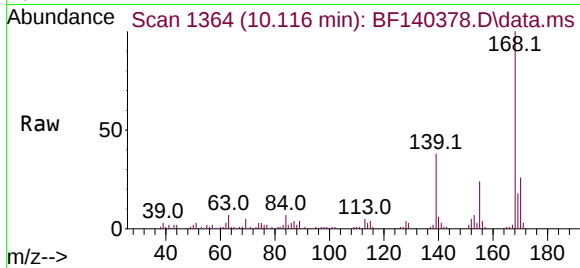




#55
Dibenzenofuran
Concen: 2.036 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

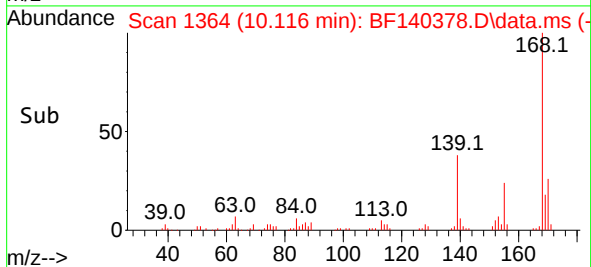
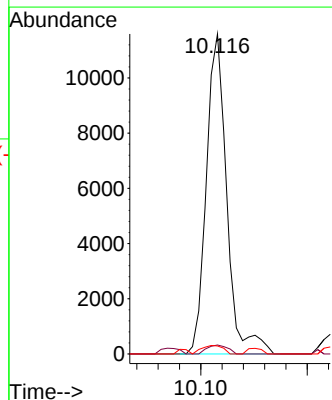
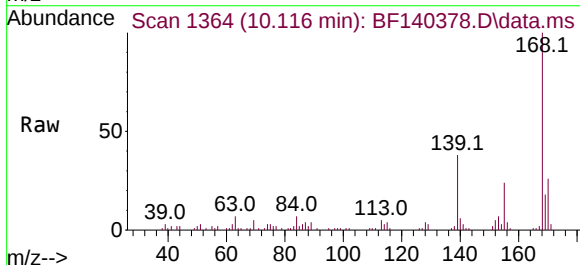
Instrument :
BNA_F
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B-6-2DL

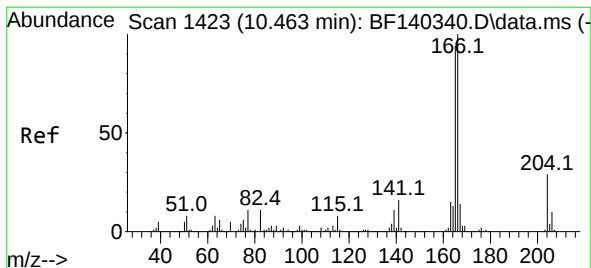
Tgt Ion:168 Resp: 38101
Ion Ratio Lower Upper
168 100
139 38.2 30.8 46.2
169 17.9 10.8 16.2#



#56
4-Nitrophenol
Concen: 5.808 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.094 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:139 Resp: 15434
Ion Ratio Lower Upper
139 100
109 2.8 54.5 94.5#
65 2.5 84.4 124.4#





#58

Fluorene

Concen: 3.070 ng

RT: 10.457 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

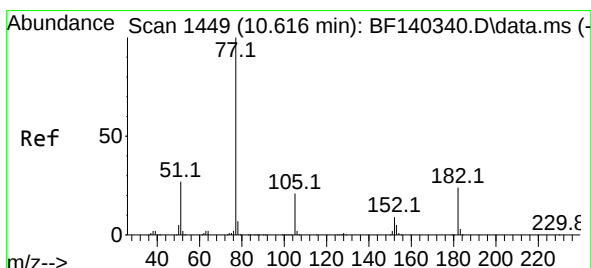
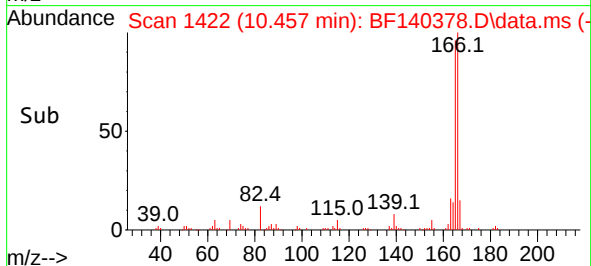
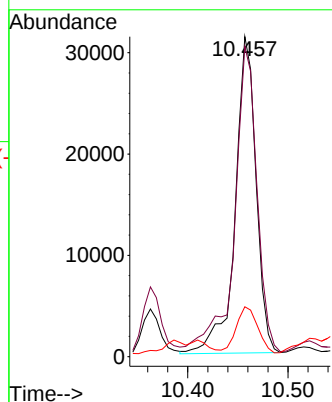
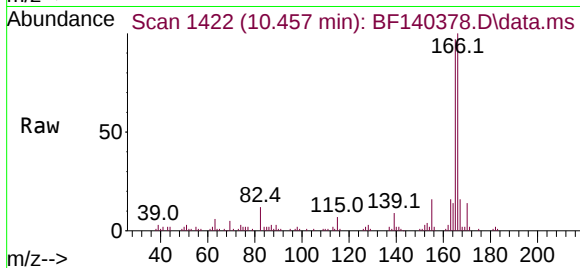
Tgt Ion:166 Resp: 45390

Ion Ratio Lower Upper

166 100

165 96.9 73.9 110.9

167 15.6 10.9 16.3



#63

Azobenzene

Concen: 2.998 ng

RT: 10.622 min Scan# 1450

Delta R.T. 0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Tgt Ion: 77 Resp: 46090

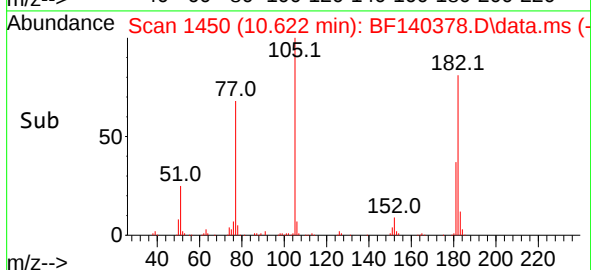
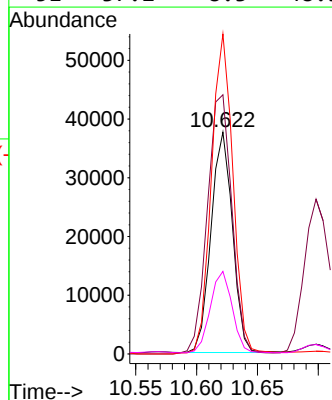
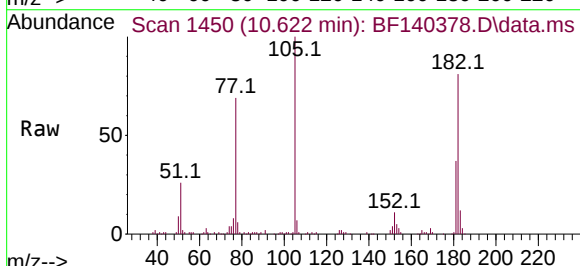
Ion Ratio Lower Upper

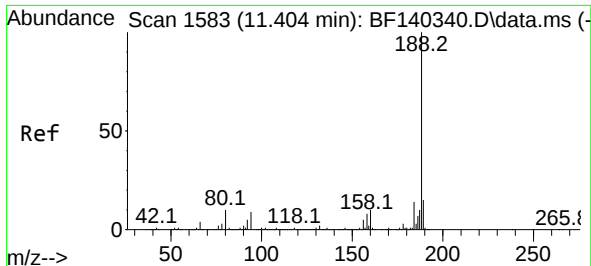
77 100

182 116.9 4.6 44.6#

105 144.3 0.9 40.9#

51 37.2 8.3 48.3

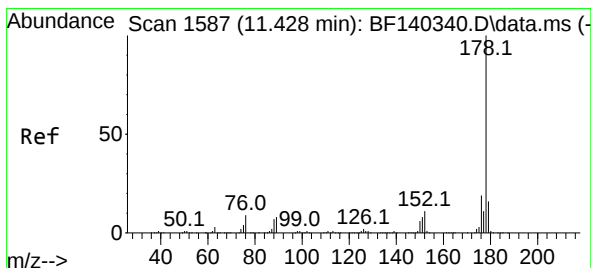
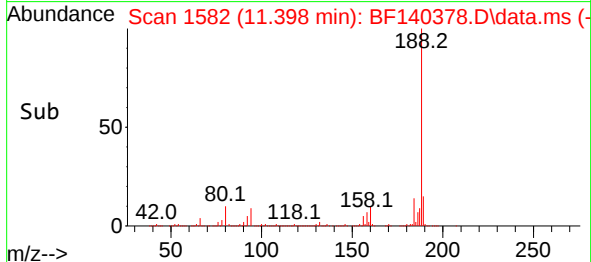
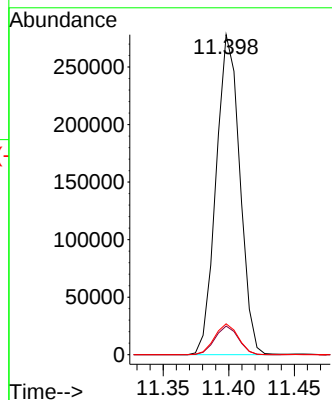
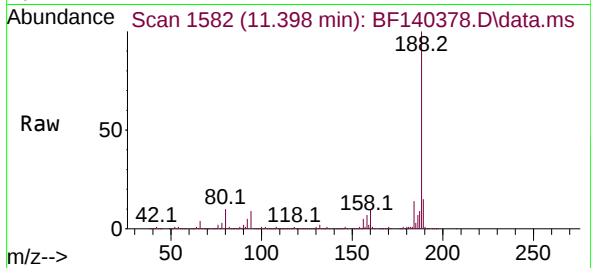




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

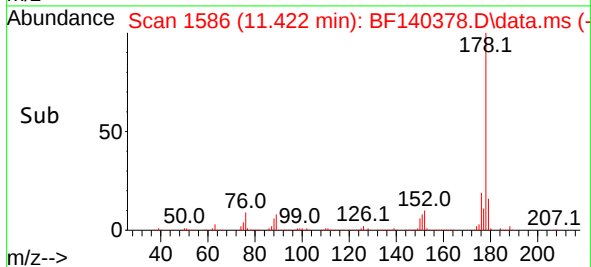
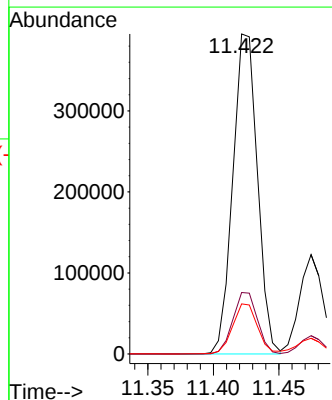
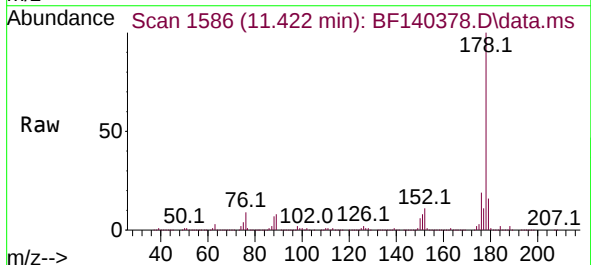
Instrument :
BNA_F
ClientSampleId :
B-6-2DL

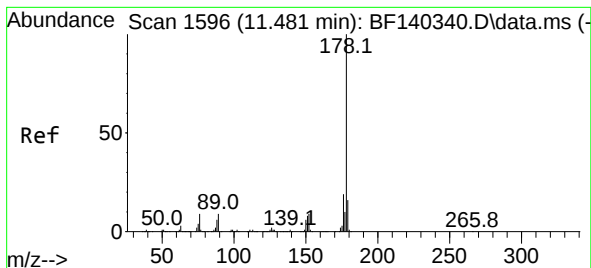
Tgt Ion:188 Resp: 349983
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.6 8.0 12.0



#71
Phenanthrene
Concen: 31.381 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:178 Resp: 515919
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.6 12.4 18.6





#72

Anthracene

Concen: 9.366 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

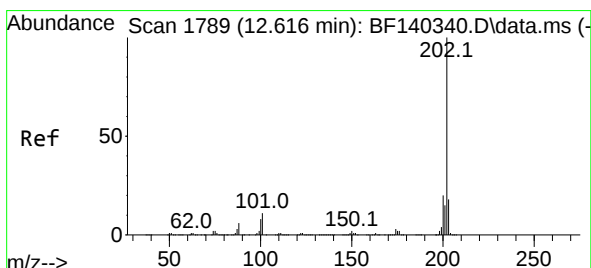
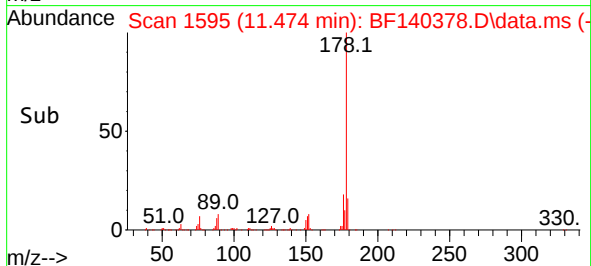
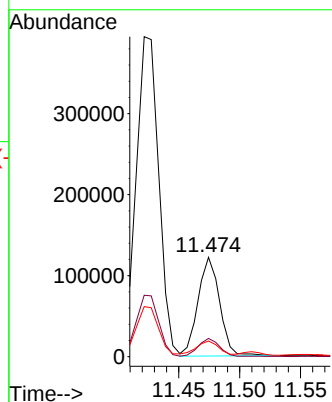
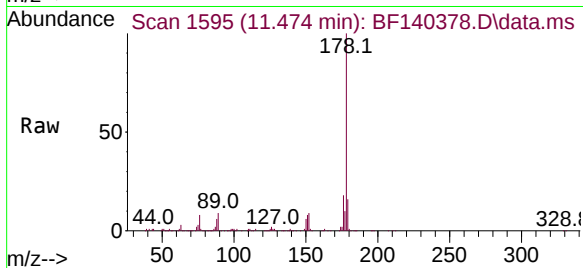
Tgt Ion:178 Resp: 150914

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.8 12.6 18.8



#75

Fluoranthene

Concen: 39.867 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

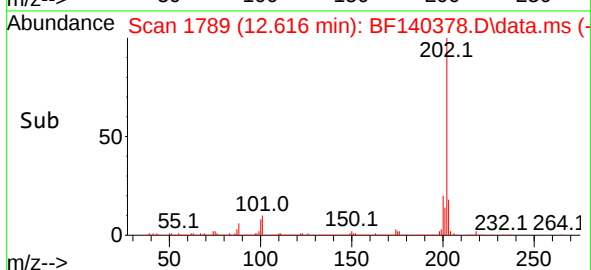
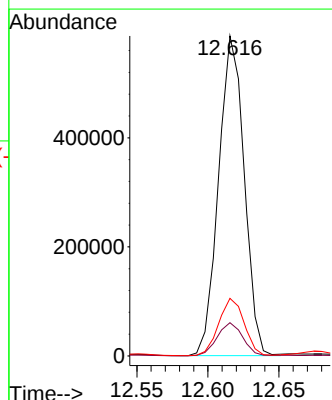
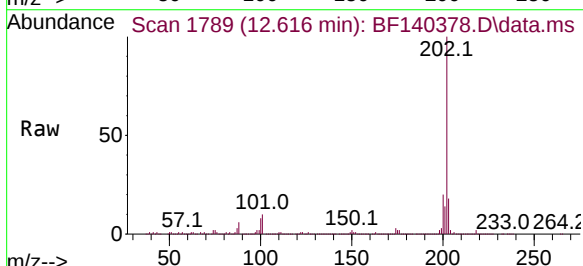
Tgt Ion:202 Resp: 735343

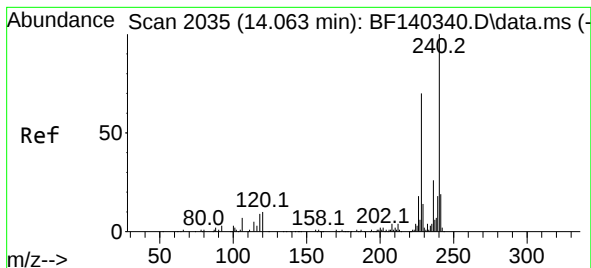
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.7

203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

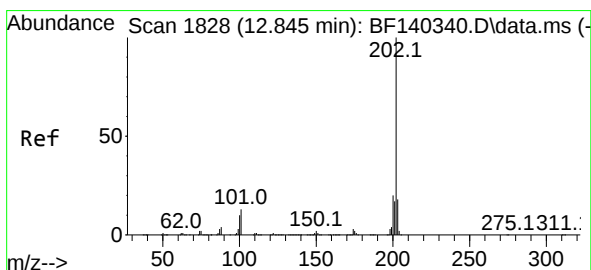
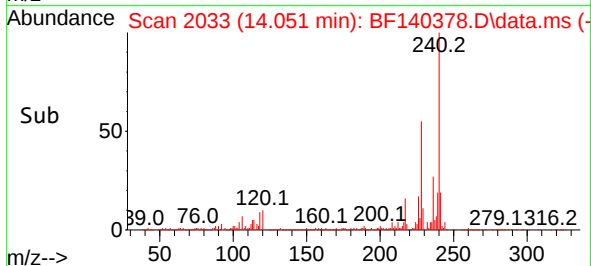
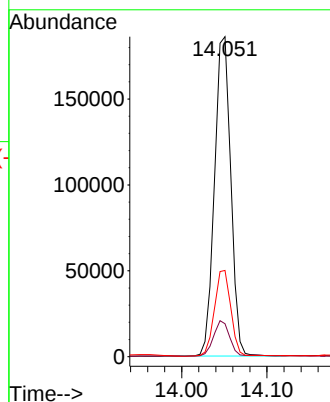
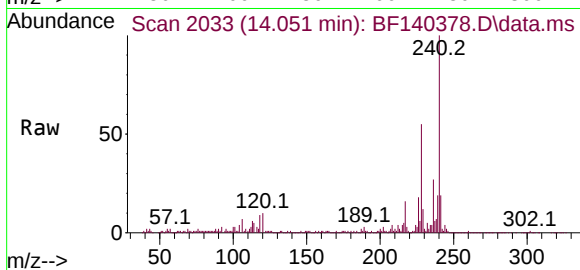
Tgt Ion:240 Resp: 247139

Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

236 27.0 20.9 31.3



#78

Pyrene

Concen: 29.353 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

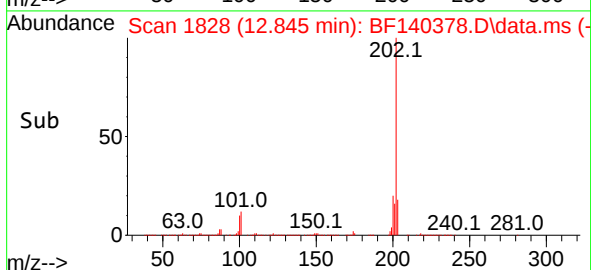
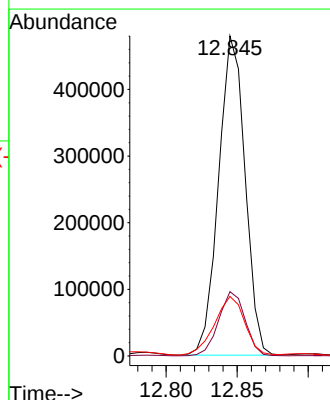
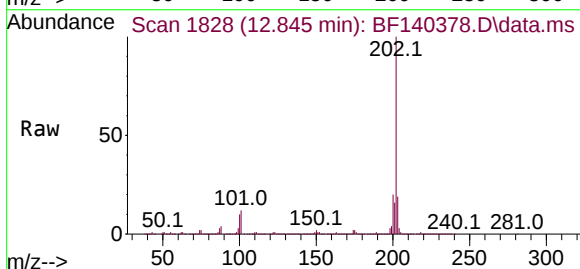
Tgt Ion:202 Resp: 620501

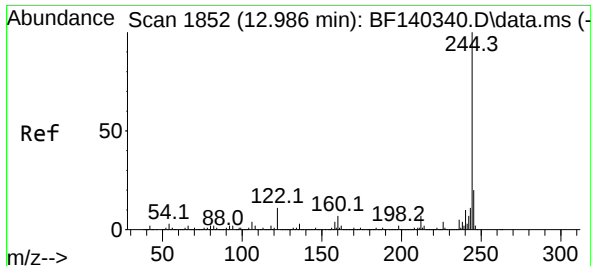
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 18.6 14.2 21.4

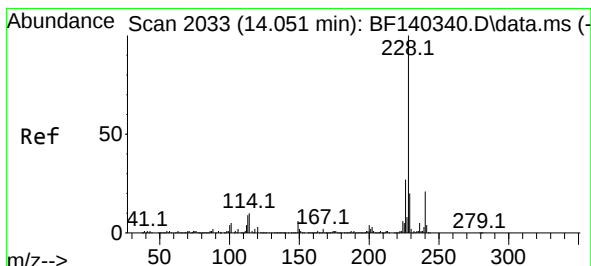
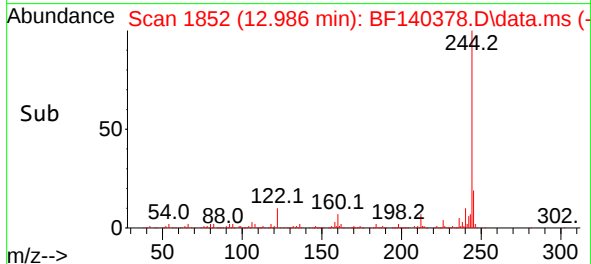
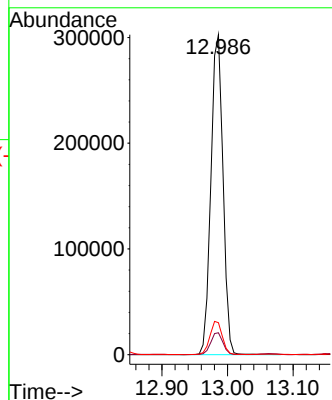
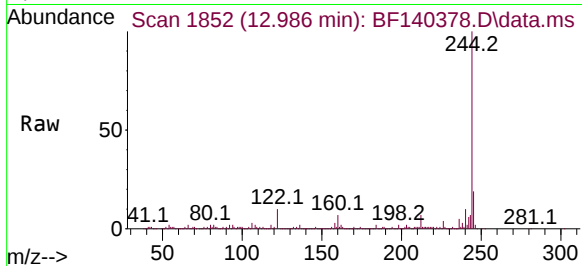




#79
 Terphenyl-d14
 Concen: 27.251 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: BF140378.D
 Acq: 14 Nov 2024 22:20

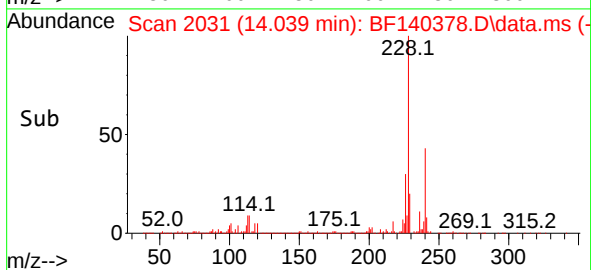
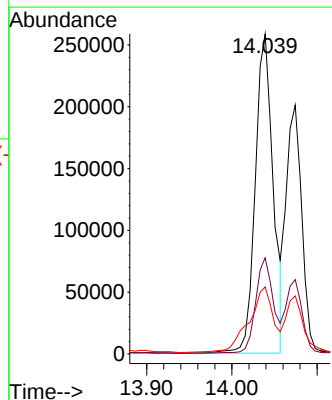
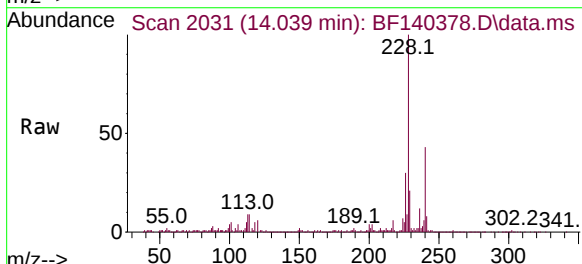
Instrument :
 BNA_F
 ClientSampleId :
 B-6-2DL

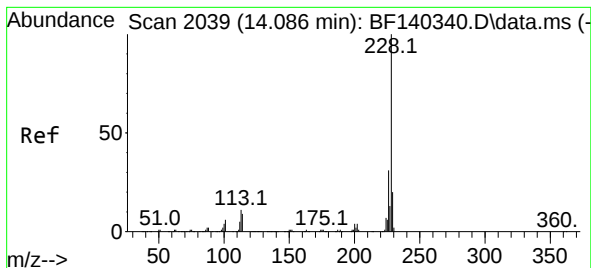
Tgt Ion:244 Resp: 387993
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 10.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 23.271 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF140378.D
 Acq: 14 Nov 2024 22:20

Tgt Ion:228 Resp: 377982
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.2 33.4
 229 20.9 15.8 23.6





#83

Chrysene

Concen: 17.031 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

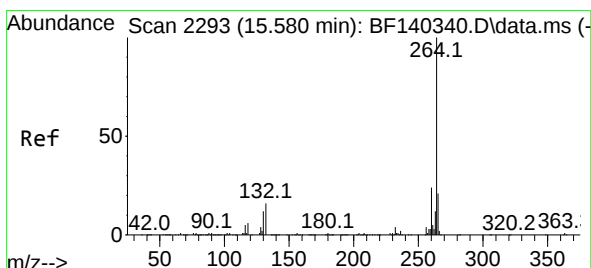
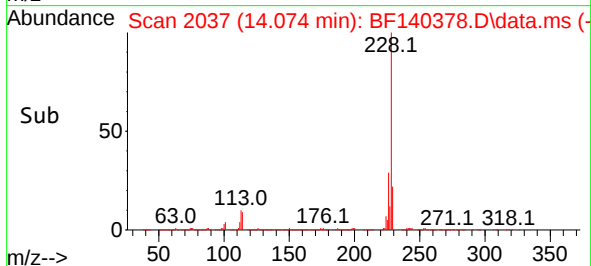
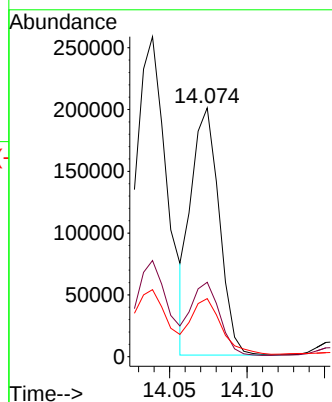
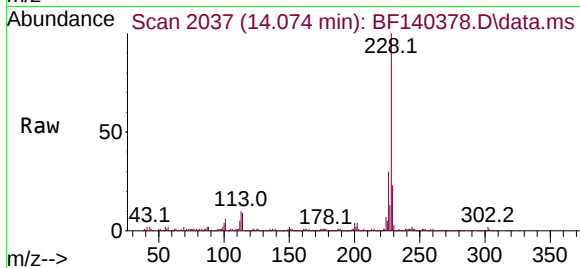
Tgt Ion:228 Resp: 252404

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 23.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.018 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

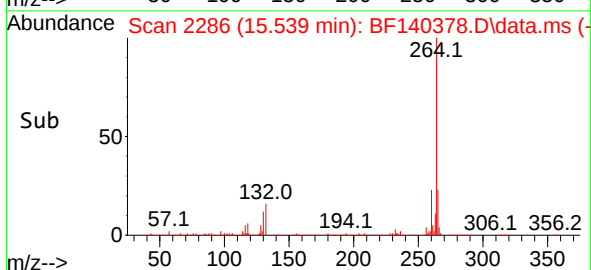
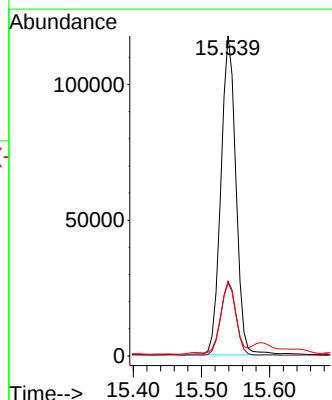
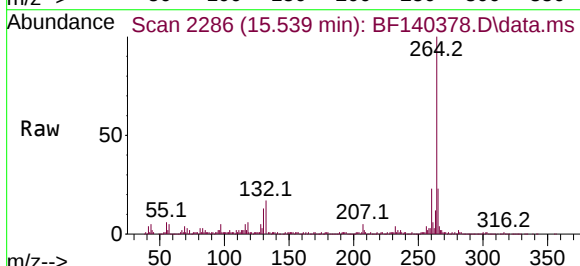
Tgt Ion:264 Resp: 180477

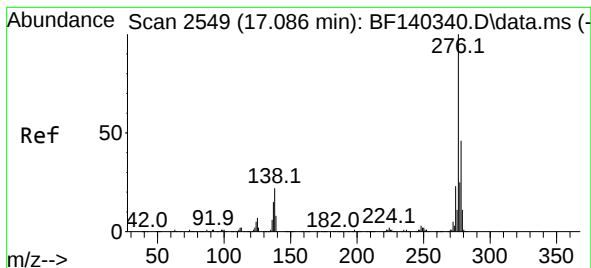
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.921 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

Instrument :

BNA_F

ClientSampleId :

B-6-2DL

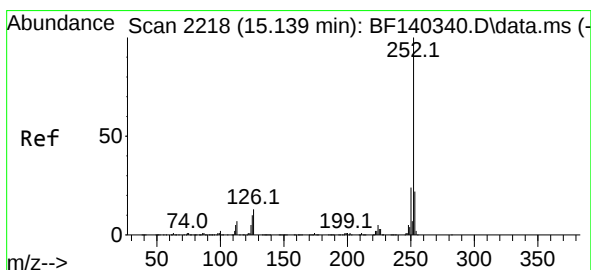
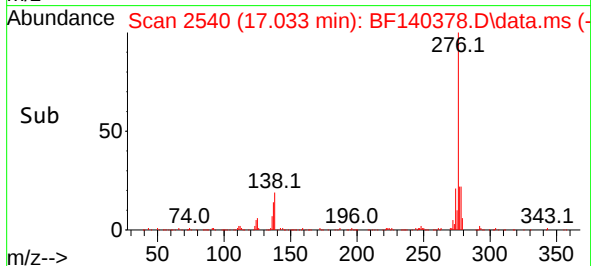
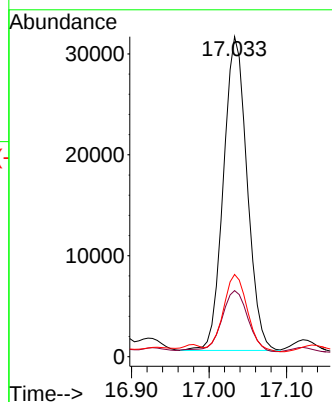
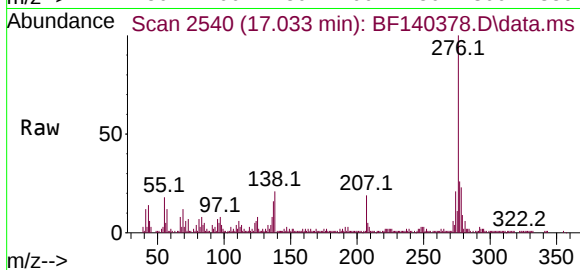
Tgt Ion:276 Resp: 66010

Ion Ratio Lower Upper

276 100

138 21.7 18.8 28.2

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 24.418 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140378.D

Acq: 14 Nov 2024 22:20

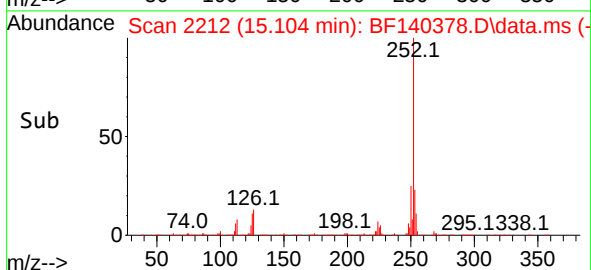
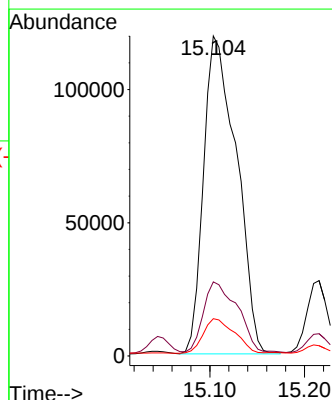
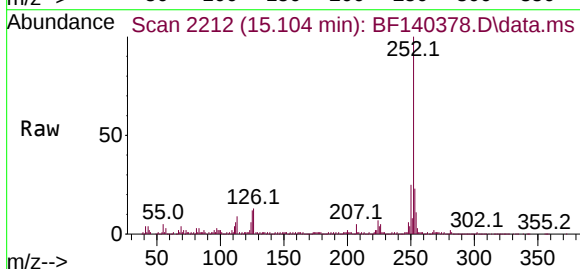
Tgt Ion:252 Resp: 288280

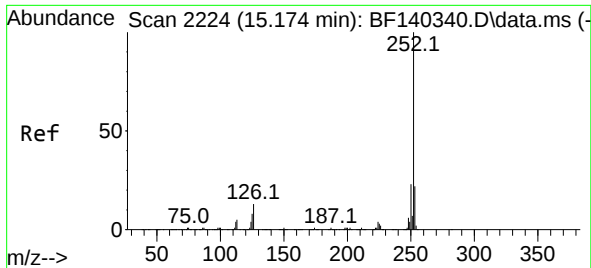
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.6 8.0 12.0

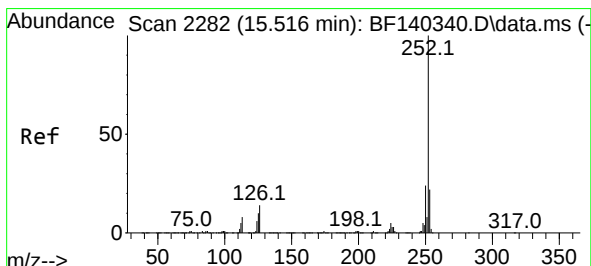
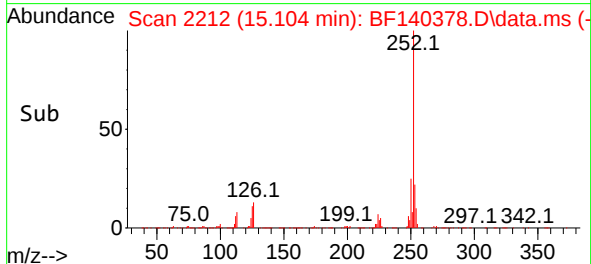
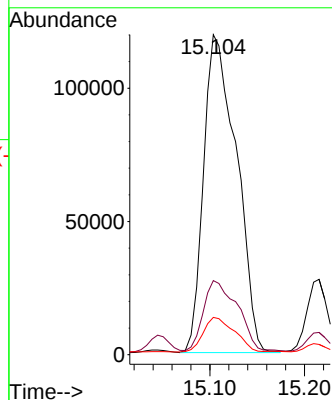
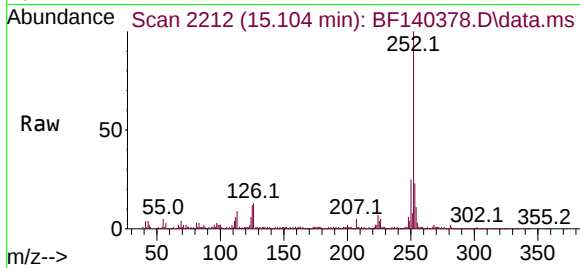




#89
Benzo(k)fluoranthene
Concen: 29.890 ng
RT: 15.104 min Scan# 211
Delta R.T. -0.047 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

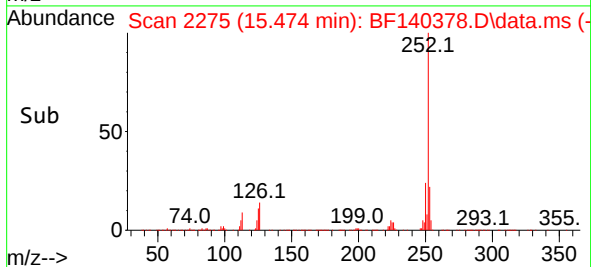
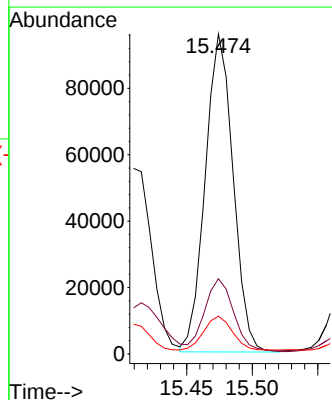
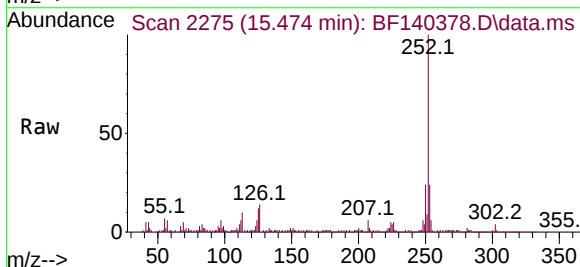
Instrument :
BNA_F
ClientSampleId :
B-6-2DL

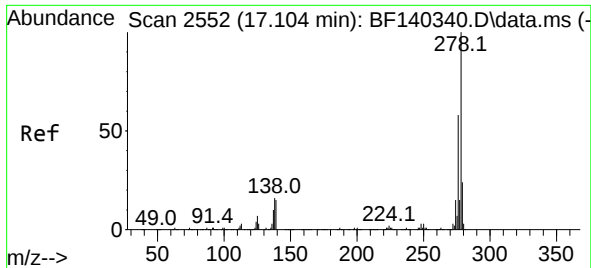
Tgt Ion:252 Resp: 288280
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 11.6 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 15.454 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.018 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:252 Resp: 141682
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.8 8.4 12.6

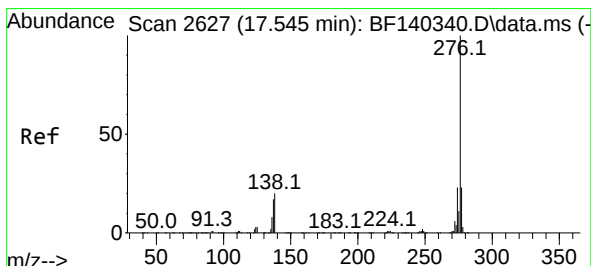
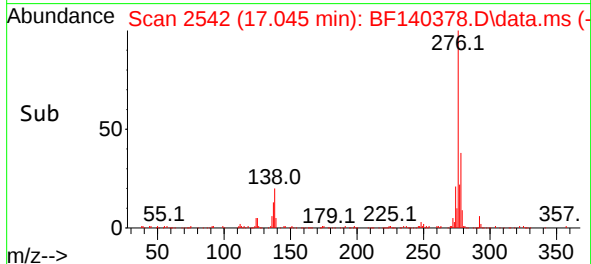
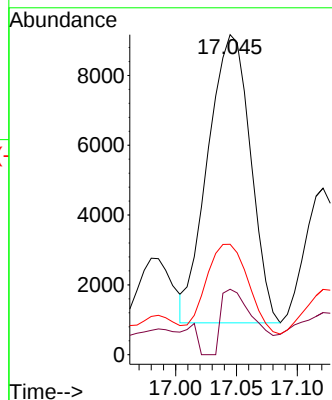
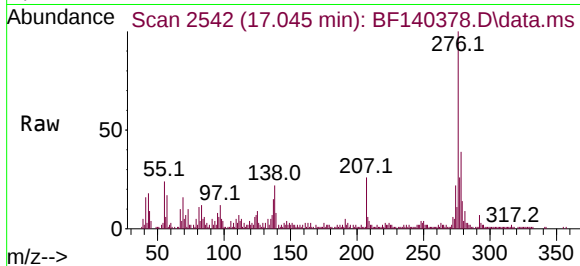




#91
Dibenzo(a,h)anthracene
Concen: 2.183 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Instrument :
BNA_F
ClientSampleId :
B-6-2DL

Tgt Ion:278 Resp: 20116
Ion Ratio Lower Upper
278 100
139 20.5 11.8 17.8#
279 34.5 18.9 28.3#



#92
Benzo(g,h,i)perylene
Concen: 5.690 ng
RT: 17.486 min Scan# 2617
Delta R.T. -0.030 min
Lab File: BF140378.D
Acq: 14 Nov 2024 22:20

Tgt Ion:276 Resp: 53603
Ion Ratio Lower Upper
276 100
277 26.6 18.6 28.0
138 24.1 16.0 24.0#

