

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078505.D
 Acq On : 14 Apr 2015 18:05
 Operator : TP/IZ
 Sample : G1828-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05A

Quant Time: Apr 15 01:23:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	20523	20.00	ng	0.00
21) Naphthalene-d8	8.38	136	83844	20.00	ng	-0.01
38) Acenaphthene-d10	10.54	164	41984	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	82175	20.00	ng	0.00
75) Chrysene-d12	15.66	240	93841	20.00	ng	0.00
86) Perylene-d12	17.45	264	93094	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	125205	100.59	ng	0.00
7) Phenol-d6	6.41	99	172027	110.28	ng	0.00
23) Nitrobenzene-d5	7.51	82	98024	70.86	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	41597	119.46	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	195675	66.62	ng	0.00
78) Terphenyl-d14	14.37	244	237470	57.18	ng	0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	67965	120.75	ng	# 23
6) Aniline	6.41	93	6184	2.80	ng	# 44
9) Benzaldehyde	6.25	77	4033	3.90	ng	# 21
10) Phenol	6.42	94	5685	3.04	ng	# 54
31) Naphthalene	8.41	128	26033	5.97	ng	# 98
32) Benzoic acid	8.19	122	280	6.20	ng	# 1
37) 2-Methylnaphthalene	9.27	142	35164	11.87	ng	# 99
45) 1,1'-Biphenyl	9.85	154	11759	3.42	ng	# 97
48) Acenaphthylene	10.36	152	17298	3.96	ng	# 70
49) Dimethylphthalate	10.25	163	14032	4.45	ng	# 85
50) 2,6-Dinitrotoluene	10.31	165	1752	2.70	ng	# 50
51) Acenaphthene	10.58	154	14920	6.07	ng	# 96
52) 3-Nitroaniline	10.51	138	2357	3.19	ng	# 20
54) Dibenzofuran	10.80	168	19718	5.26	ng	# 95
55) 4-Nitrophenol	10.73	139	737	4.07	ng	# 1
57) Fluorene	11.22	166	16934	5.57	ng	# 87
62) Azobenzene	11.45	77	14253	5.14	ng	# 1
69) Pentachlorophenol	12.15	266	289	8.38	ng	# 19
70) Phenanthrene	12.40	178	225595	47.46	ng	# 98
71) Anthracene	12.40	178	220293	47.03	ng	# 97
72) Carbazole	12.67	167	33159	7.55	ng	# 85
74) Fluoranthene	13.86	202	353329	70.48	ng	# 97
77) Pyrene	14.14	202	353084	59.94	ng	# 93
80) Benzo(a)anthracene	15.65	228	213800	38.29	ng	# 95
82) Chrysene	15.65	228	207212	39.50	ng	# 96
83) Bis(2-ethylhexyl)phthalate	15.74	149	10017	2.84	ng	# 88
85) Indeno(1,2,3-cd)pyrene	18.74	276	197378	33.16	ng	# 86
87) Benzo(b)fluoranthene	16.99	252	425248	73.91	ng	# 92
88) Benzo(k)fluoranthene	16.99	252	427795	83.67	ng	# 97
89) Benzo(a)pyrene	17.39	252	235641	46.93	ng	# 92
90) Dibenzo(a,h)anthracene	18.82	278	14986	2.98	ng	# 68
91) Benzo(g,h,i)perylene	19.10	276	214686	42.59	ng	# 96

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 15 01:10:59 2015
Response via : Initial Calibration

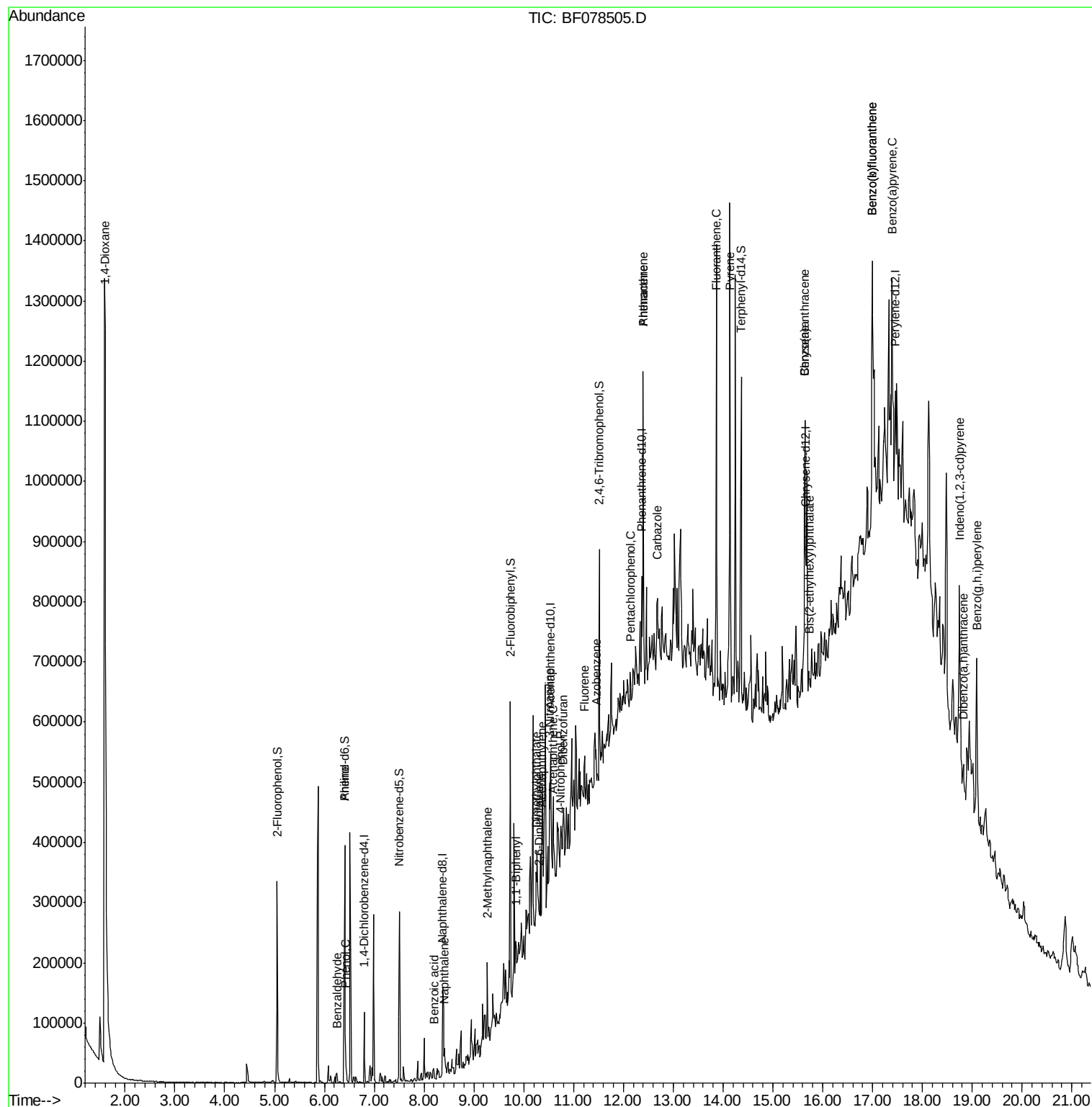
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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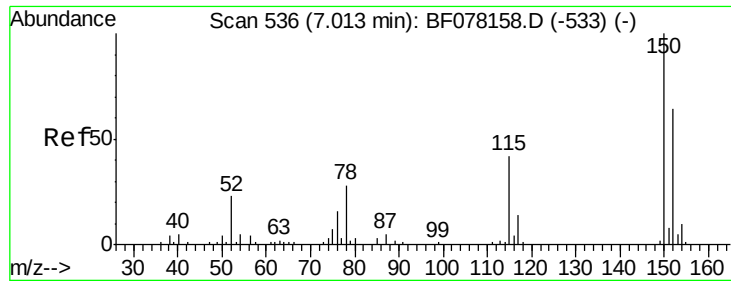
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 15 01:10:59 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

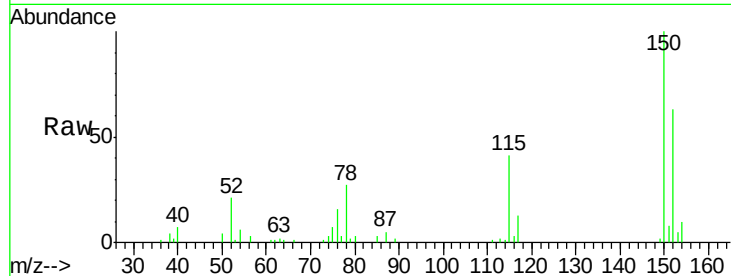
Tgt Ion:152 Resp: 20523

Ion Ratio Lower Upper

152 100

150 157.9 125.9 188.9

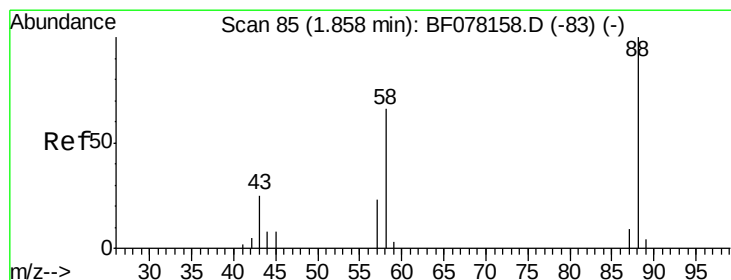
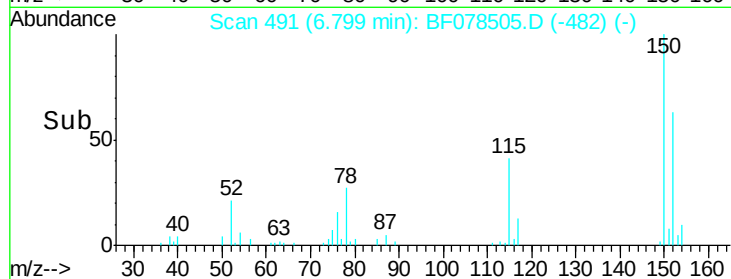
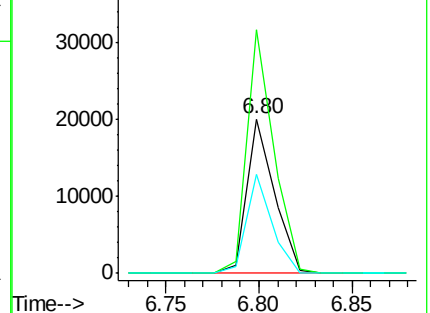
115 64.5 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 120.75 ng

RT: 1.60 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

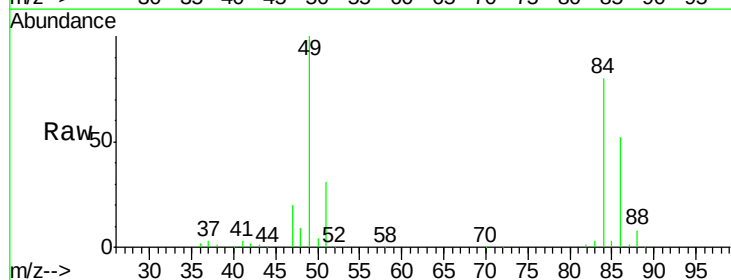
Tgt Ion: 88 Resp: 67965

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

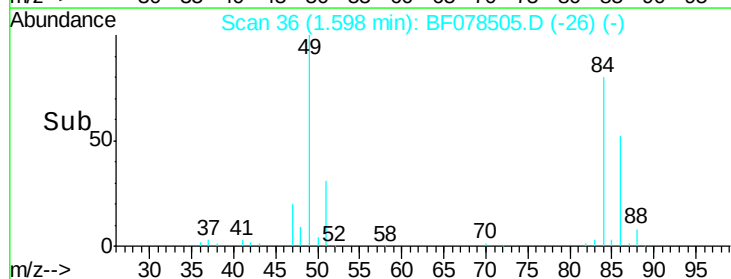
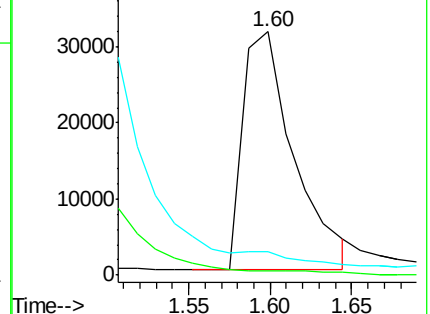
43 0.0 21.4 32.2#

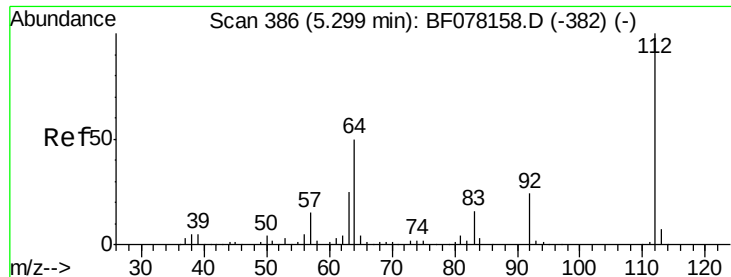


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 100.59 ng

RT: 5.05 min Scan# 338

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampled :

HS-SB05A

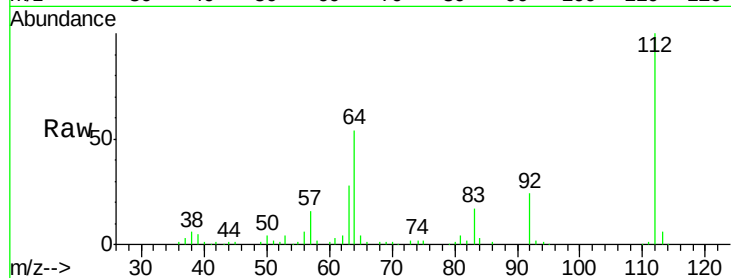
Tgt Ion: 112 Resp: 125205

Ion Ratio Lower Upper

112 100

64 54.5 39.9 59.9

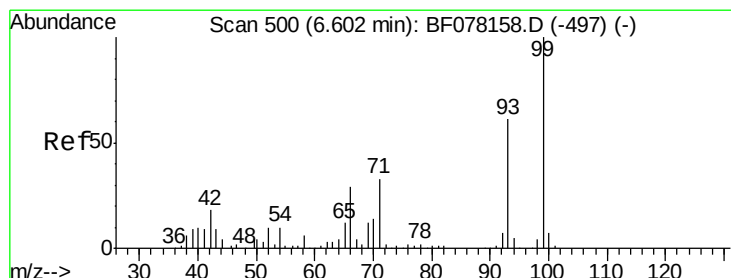
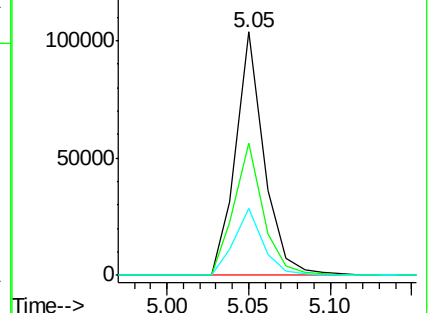
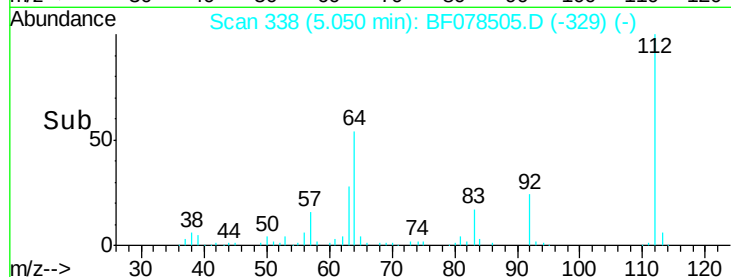
63 27.5 20.2 30.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 2.80 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.02 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

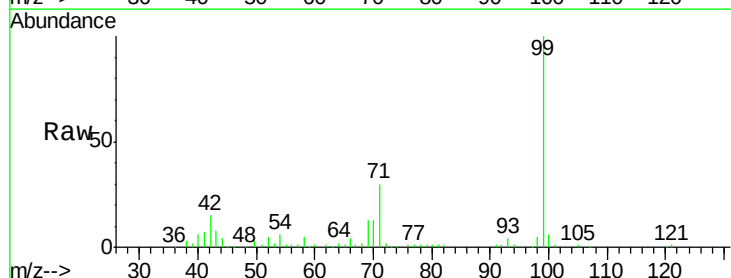
Tgt Ion: 93 Resp: 6184

Ion Ratio Lower Upper

93 100

66 97.5 38.0 57.0#

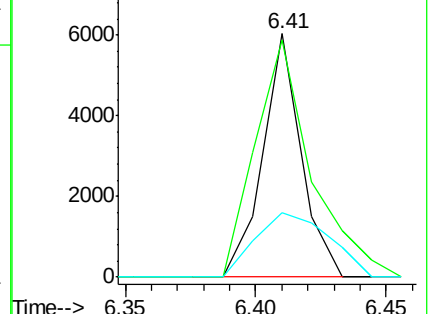
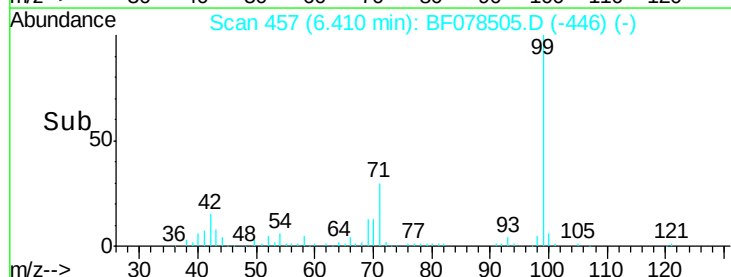
65 26.3 16.3 24.5#

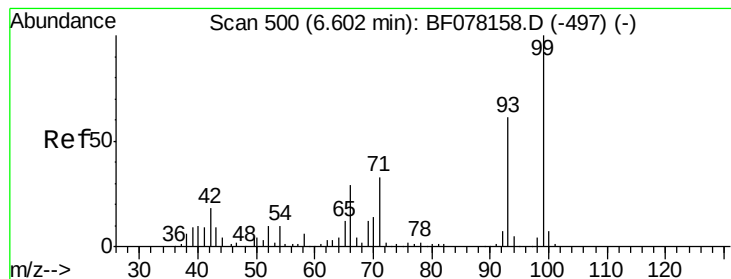


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.28 ng

RT: 6.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

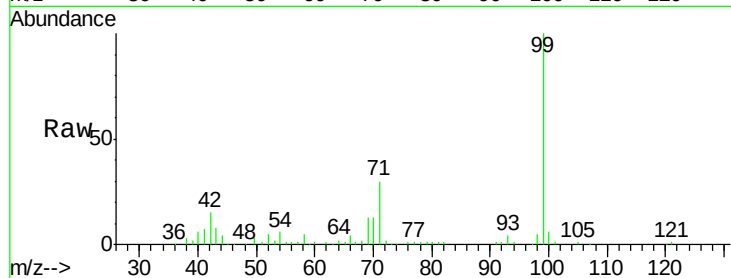
Tgt Ion: 99 Resp: 172027

Ion Ratio Lower Upper

99 100

42 14.8 14.8 22.2#

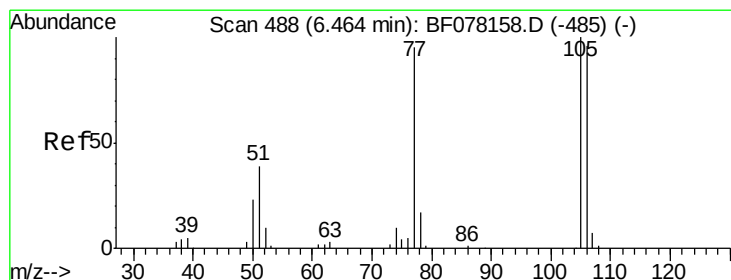
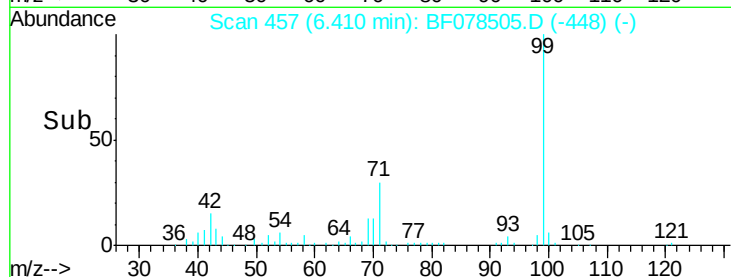
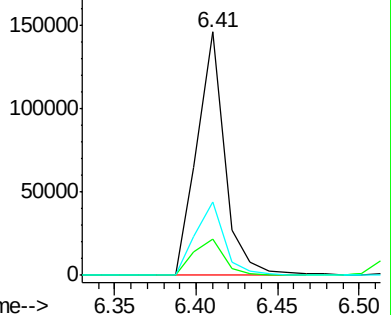
71 30.1 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.90 ng

RT: 6.25 min Scan# 443

Delta R.T. 0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

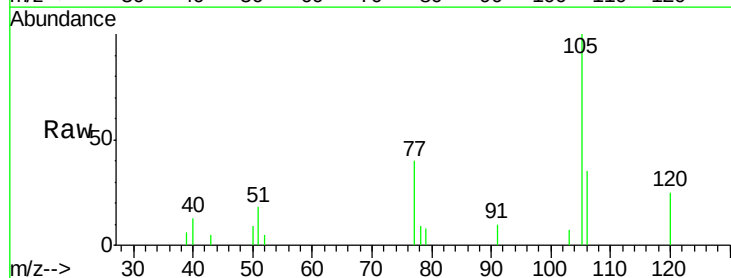
Tgt Ion: 77 Resp: 4033

Ion Ratio Lower Upper

77 100

105 252.2 85.4 125.4#

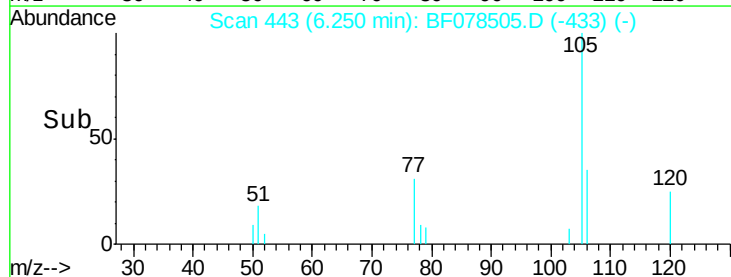
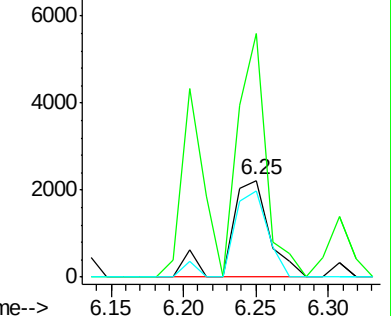
106 88.7 80.8 120.8

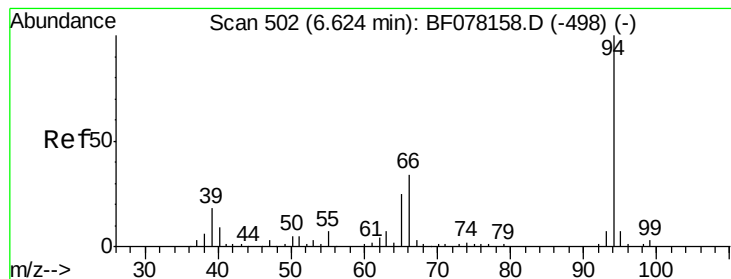


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.04 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

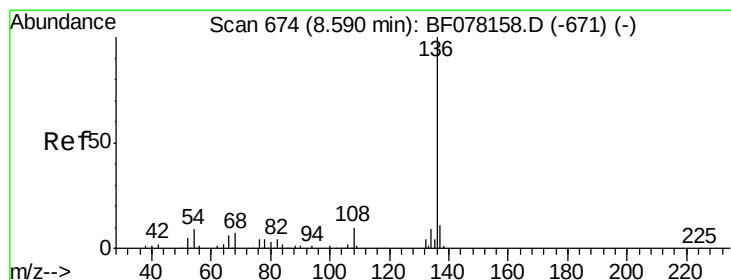
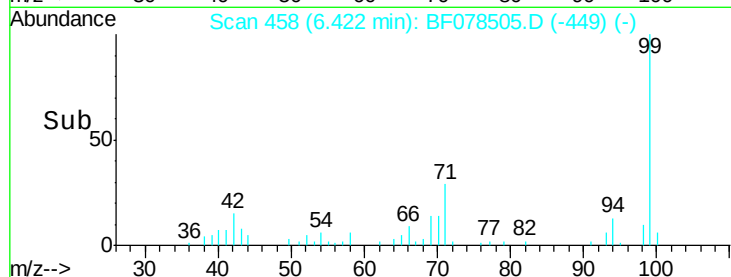
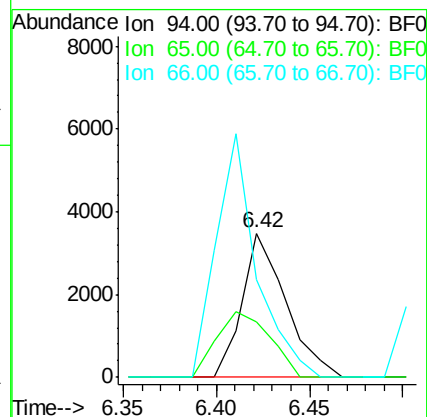
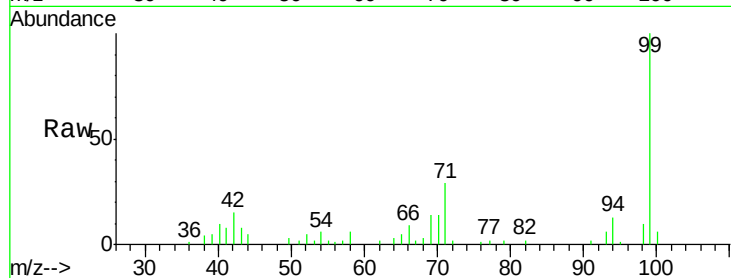
Tgt Ion: 94 Resp: 5685

Ion Ratio Lower Upper

94 100

65 38.4 4.9 44.9

66 67.7 13.8 53.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.38 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Tgt Ion: 136 Resp: 83844

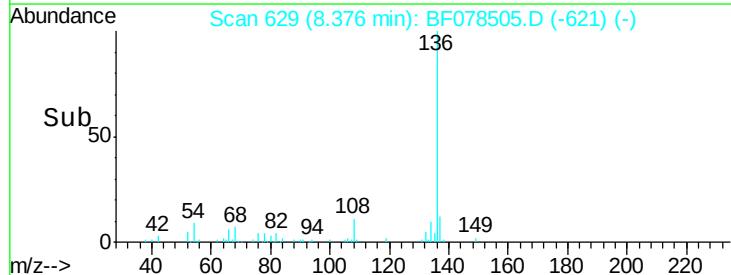
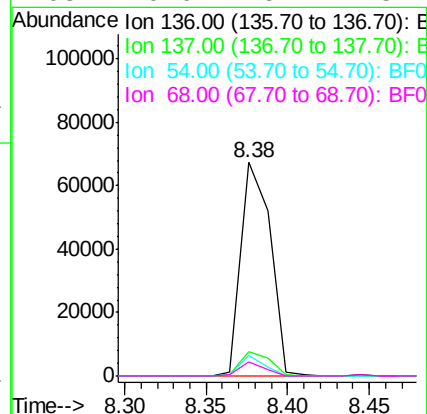
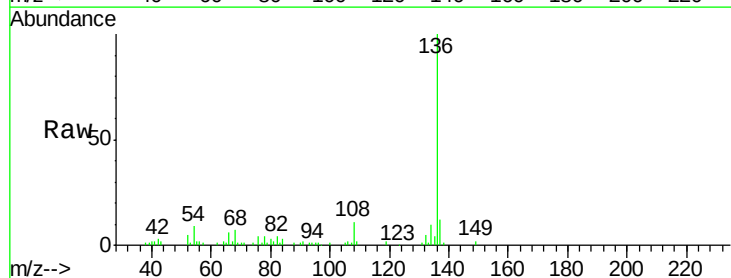
Ion Ratio Lower Upper

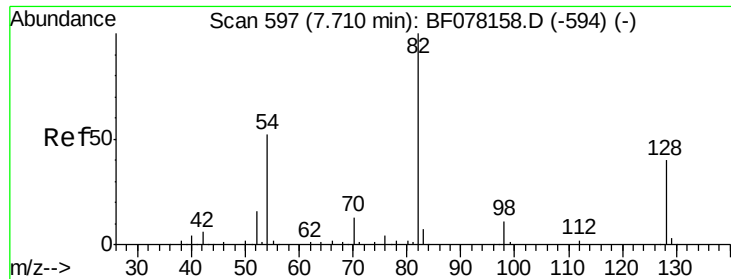
136 100

137 11.6 9.0 13.4

54 9.5 7.0 10.6

68 6.6 5.4 8.2

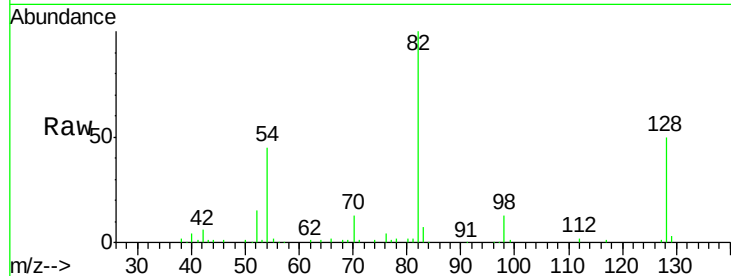




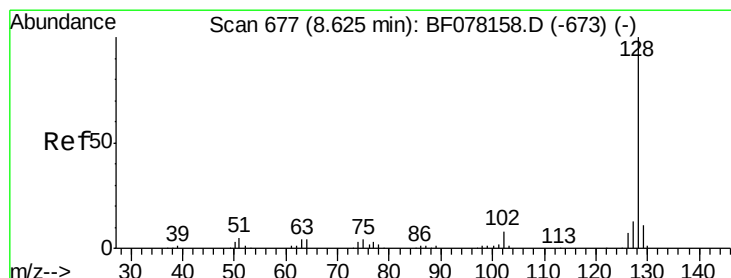
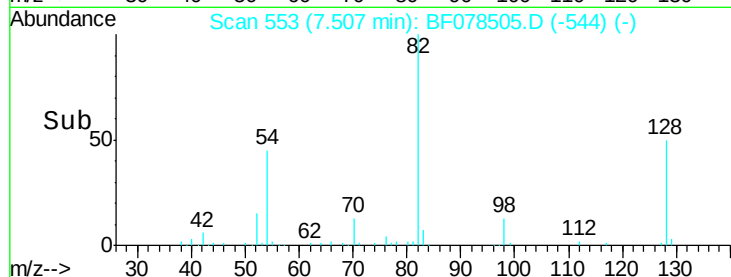
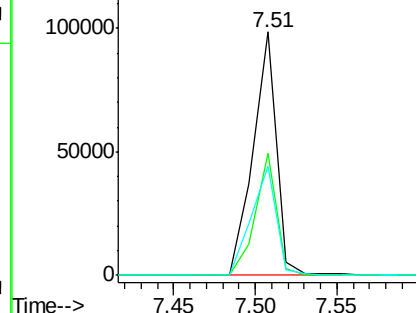
#23
 Nitrobenzene-d5
 Concen: 70.86 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05A

Tgt Ion: 82 Resp: 98024
 Ion Ratio Lower Upper
 82 100
 128 50.2 31.8 47.8#
 54 44.8 41.5 62.3

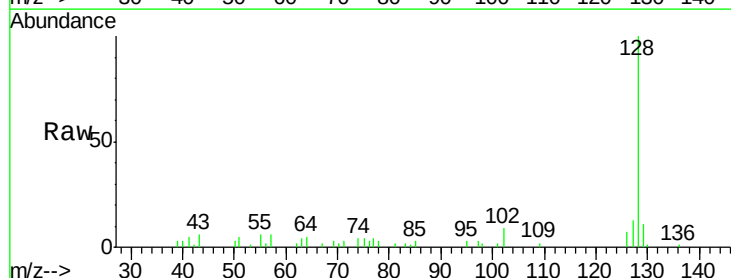


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

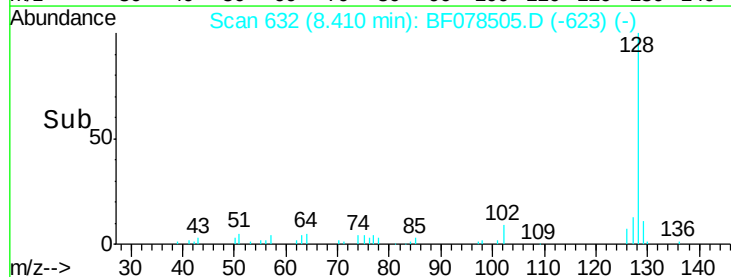
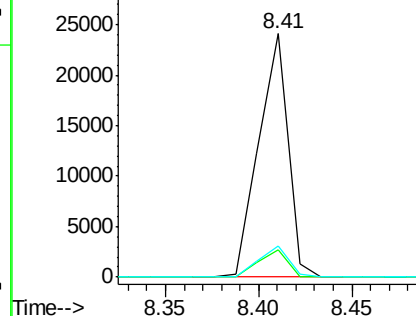


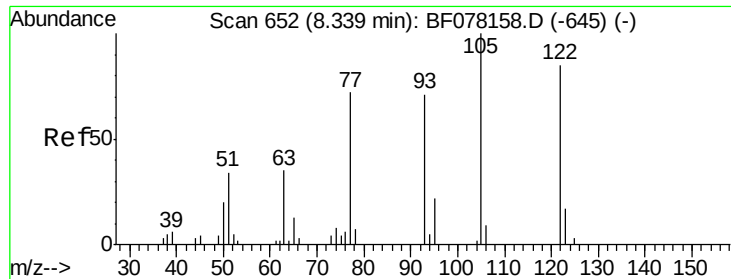
#31
 Naphthalene
 Concen: 5.97 ng
 RT: 8.41 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

Tgt Ion: 128 Resp: 26033
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.6 12.8
 127 12.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

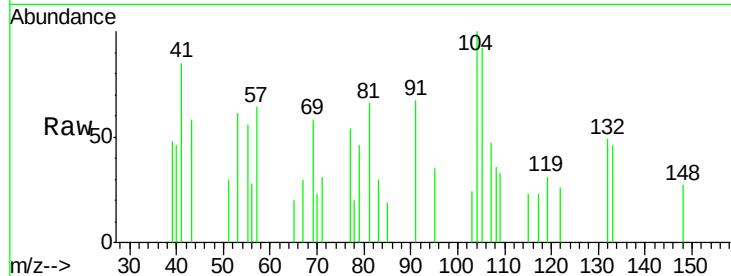




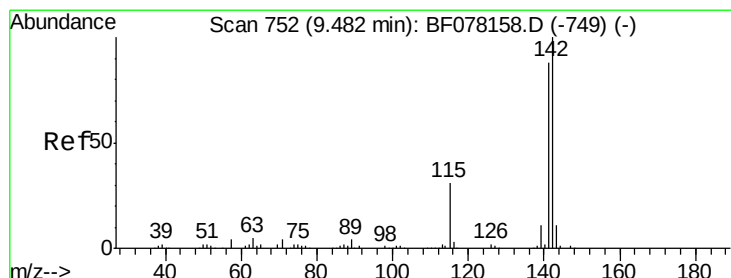
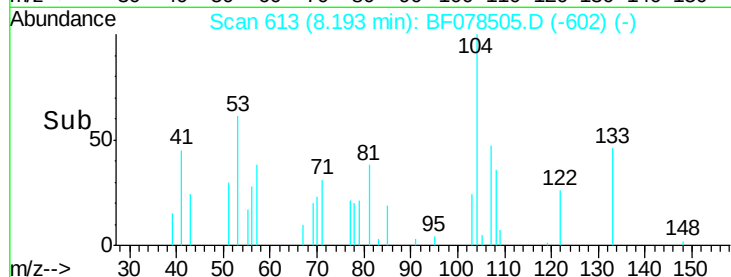
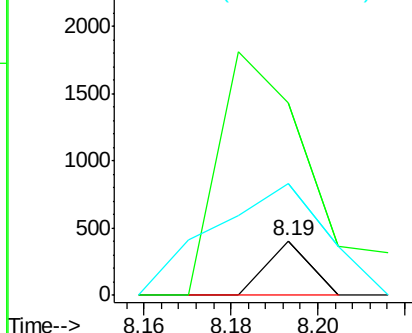
#32
Benzoic acid
Concen: 6.20 ng
RT: 8.19 min Scan# 613
Delta R.T. 0.02 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:122 Resp: 280
Ion Ratio Lower Upper
122 100
105 350.7 96.1 136.1#
77 204.9 64.1 104.1#

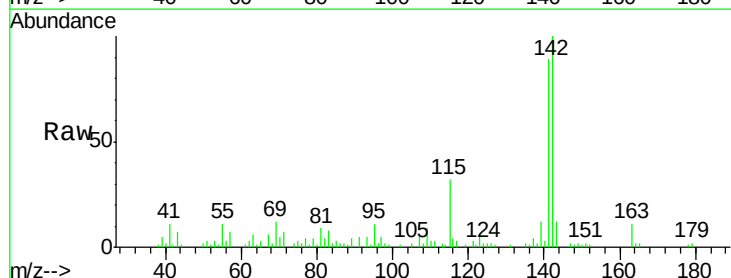


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BFO

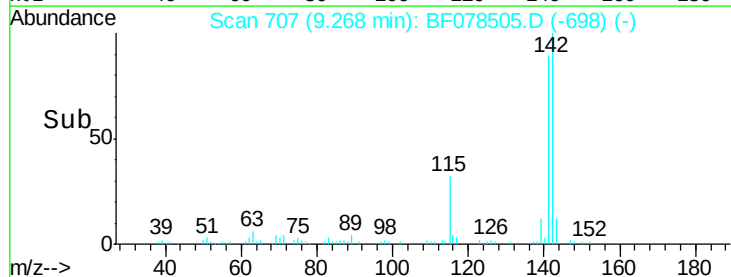
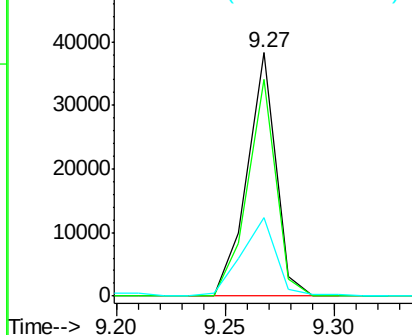


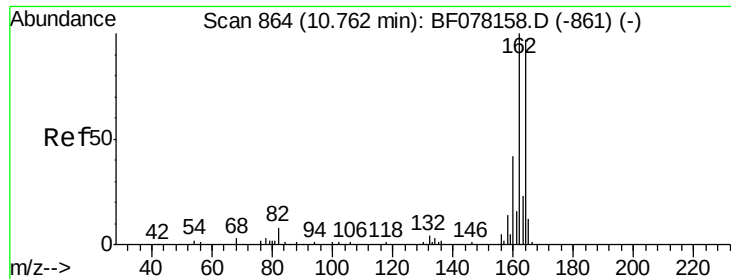
#37
2-Methylnaphthalene
Concen: 11.87 ng
RT: 9.27 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Tgt Ion:142 Resp: 35164
Ion Ratio Lower Upper
142 100
141 88.8 70.3 105.5
115 32.4 24.6 37.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.54 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

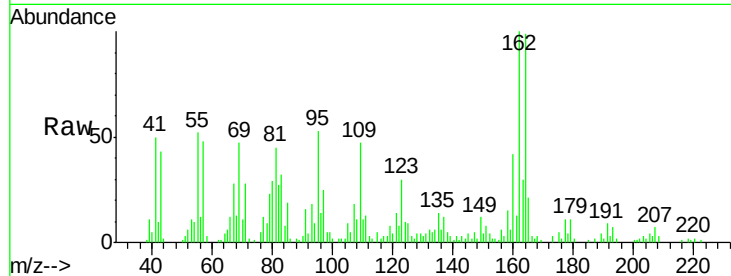
Tgt Ion:164 Resp: 41984

Ion Ratio Lower Upper

164 100

162 101.2 82.2 123.2

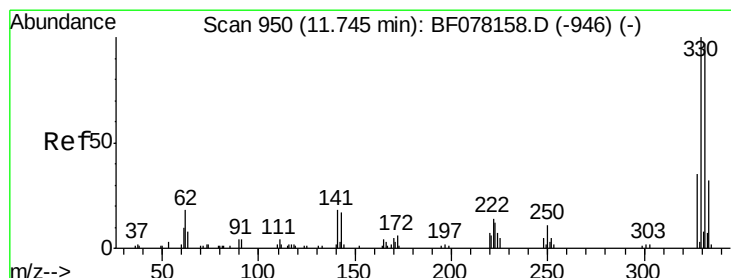
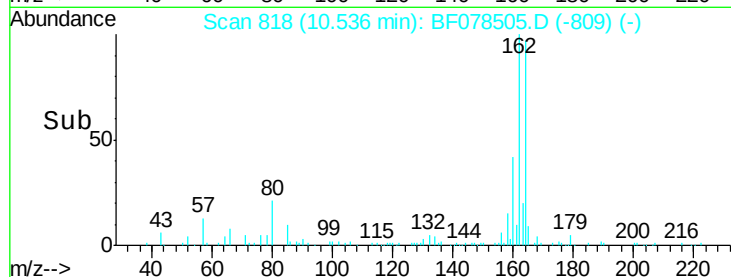
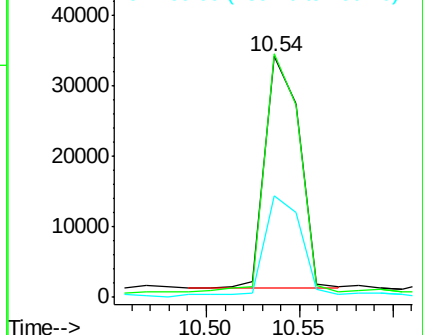
160 42.3 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 119.46 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

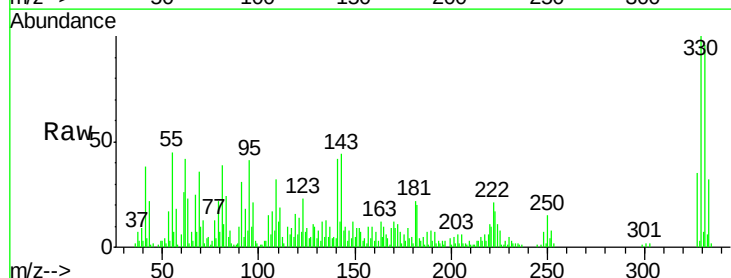
Tgt Ion:330 Resp: 41597

Ion Ratio Lower Upper

330 100

332 96.3 78.6 117.8

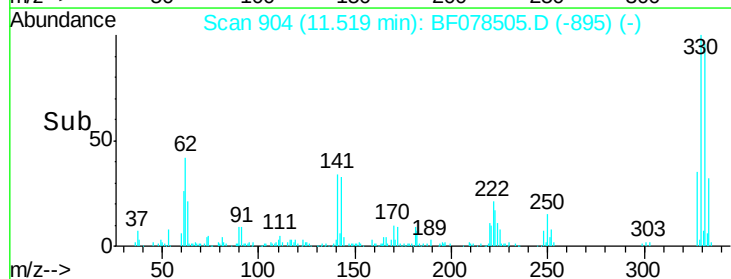
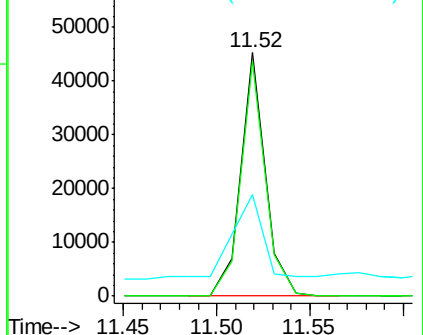
141 45.7 31.2 46.8

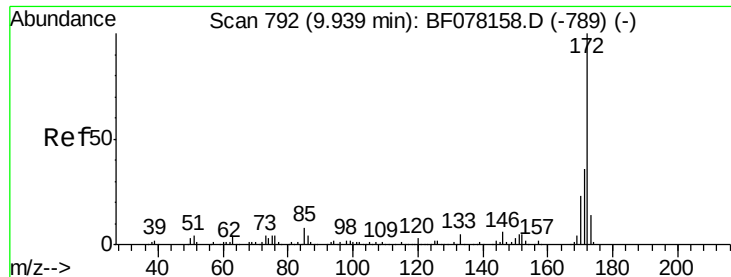


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

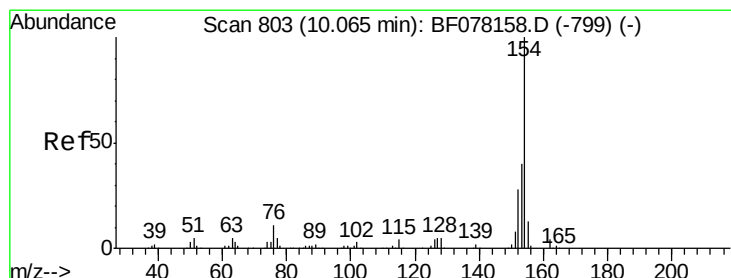
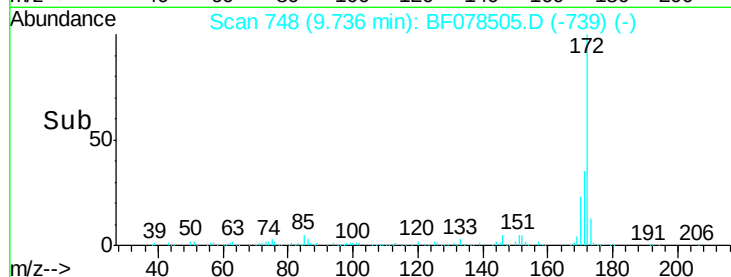
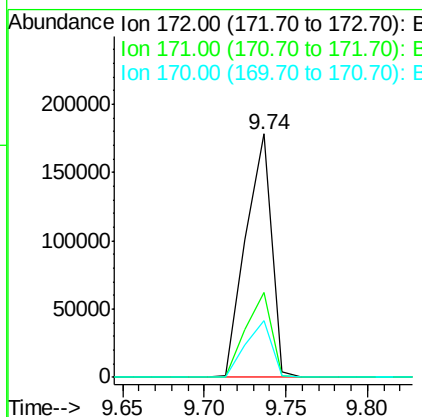
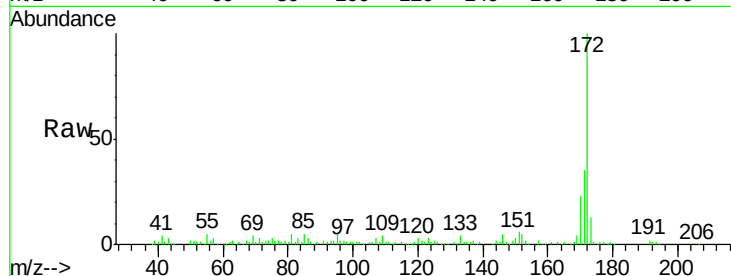




#44
2-Fluorobiphenyl
Concen: 66.62 ng
RT: 9.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

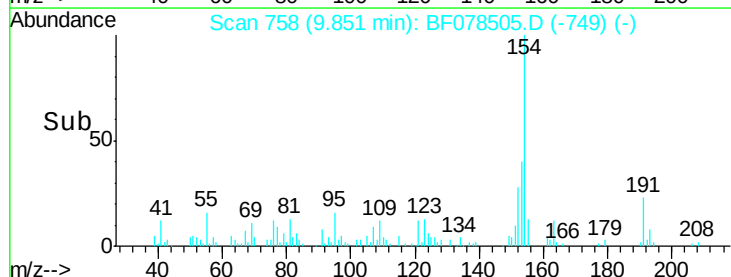
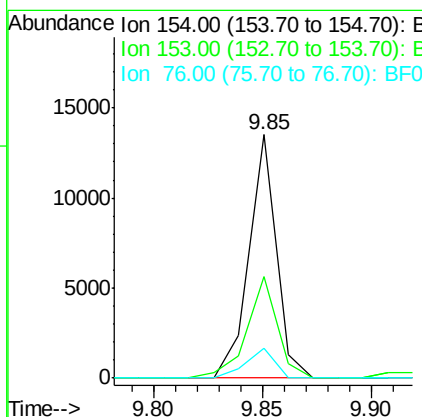
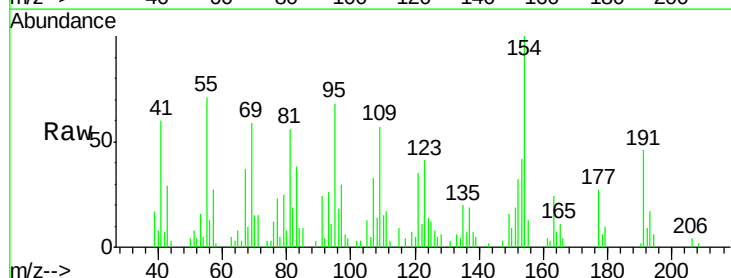
Instrument :
BNA_F
ClientSampleId :
HS-SB05A

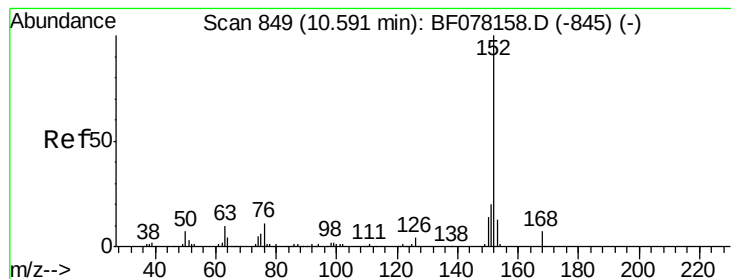
Tgt Ion:172 Resp: 195675
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.4 18.5 27.7



#45
1,1'-Biphenyl
Concen: 3.42 ng
RT: 9.85 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Tgt Ion:154 Resp: 11759
Ion Ratio Lower Upper
154 100
153 41.8 20.0 60.0
76 12.3 0.0 30.6





#48

Acenaphthylene

Concen: 3.96 ng

RT: 10.36 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

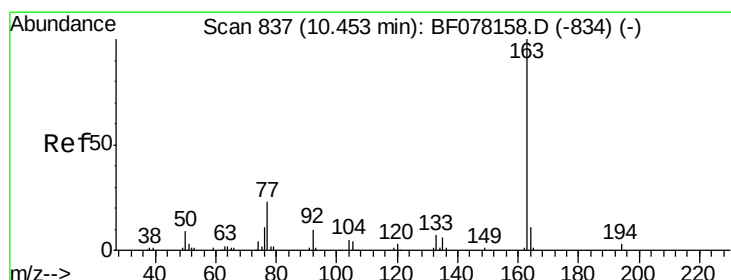
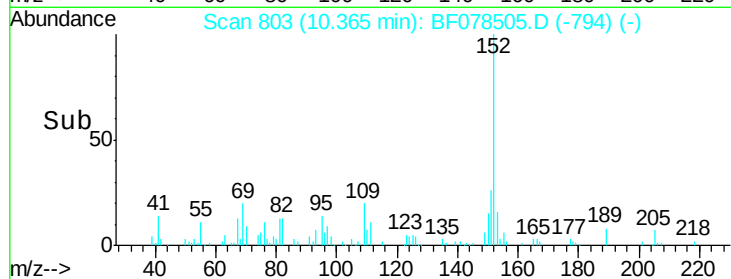
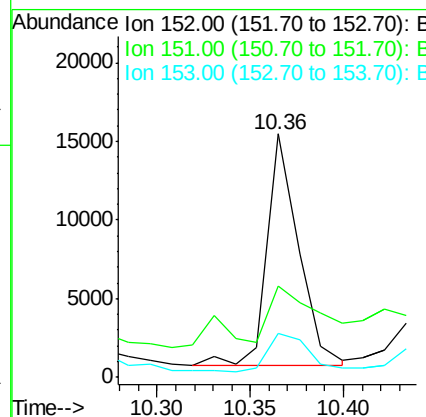
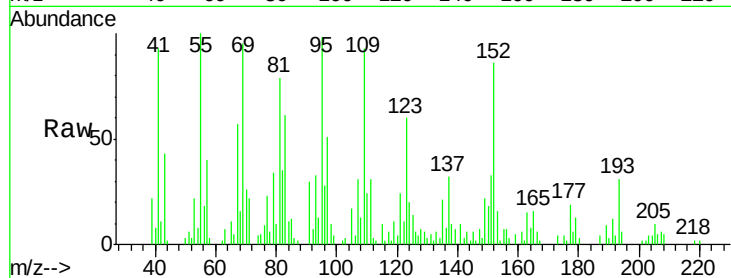
Tgt Ion:152 Resp: 17298

Ion Ratio Lower Upper

152 100

151 37.8 15.7 23.5#

153 18.1 10.2 15.2#



#49

Dimethylphthalate

Concen: 4.45 ng

RT: 10.25 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

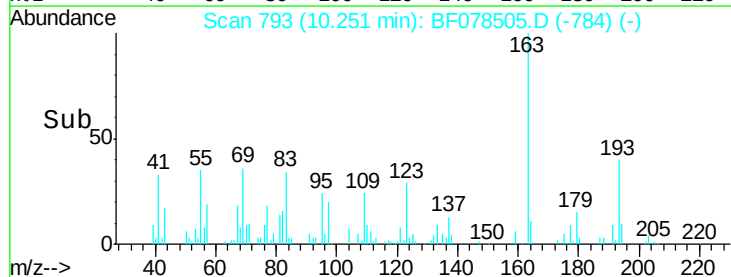
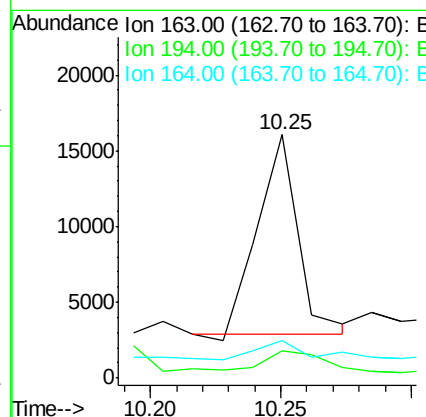
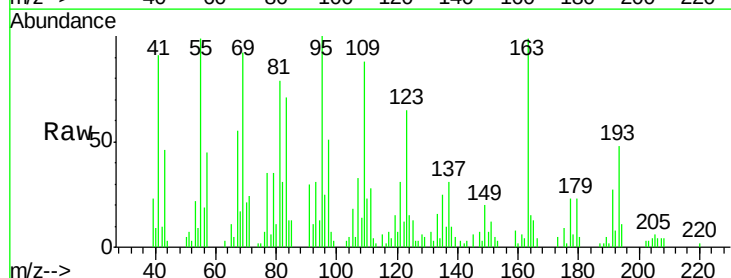
Tgt Ion:163 Resp: 14032

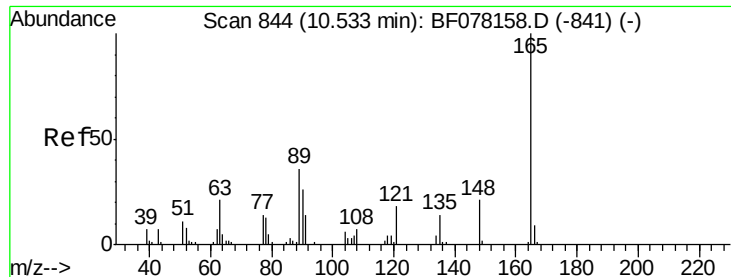
Ion Ratio Lower Upper

163 100

194 11.3 2.3 3.5#

164 15.5 8.6 13.0#





#50

2,6-Dinitrotoluene

Concen: 2.70 ng

RT: 10.31 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

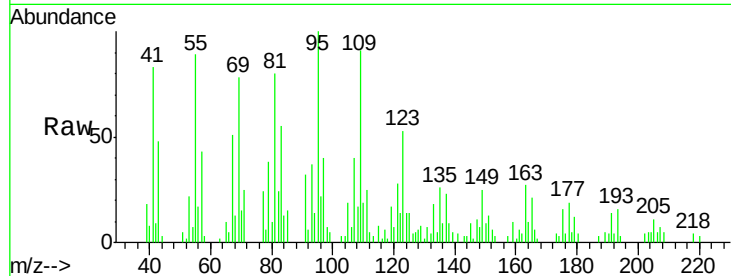
Tgt Ion:165 Resp: 1752

Ion Ratio Lower Upper

165 100

63 10.1 24.1 36.1#

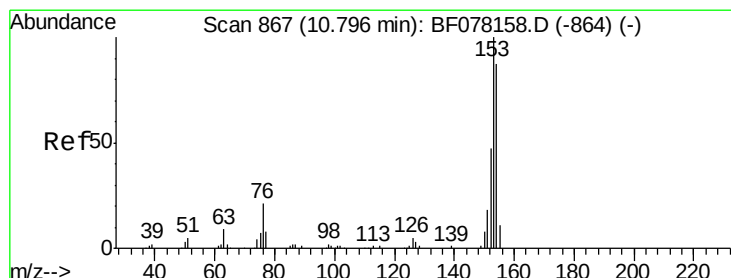
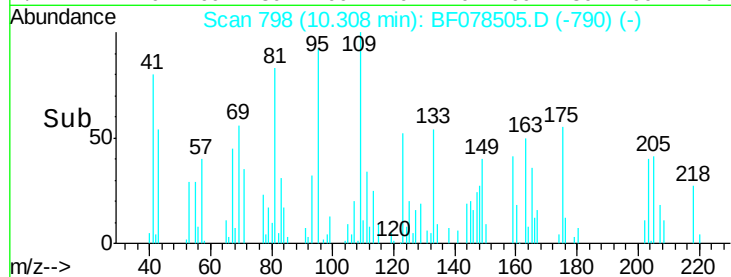
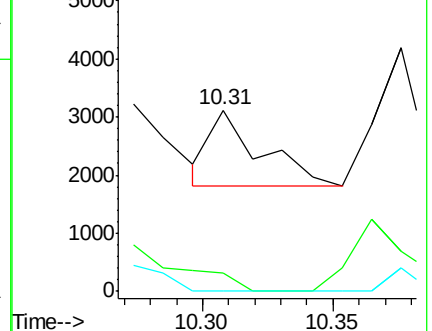
89 0.0 28.9 43.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 6.07 ng

RT: 10.58 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

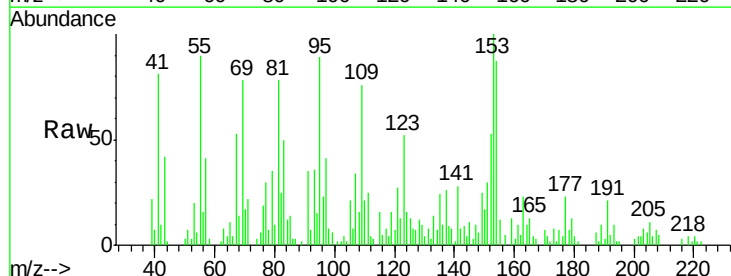
Tgt Ion:154 Resp: 14920

Ion Ratio Lower Upper

154 100

153 114.9 91.4 137.2

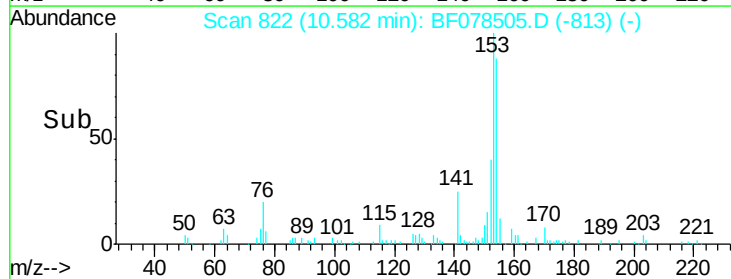
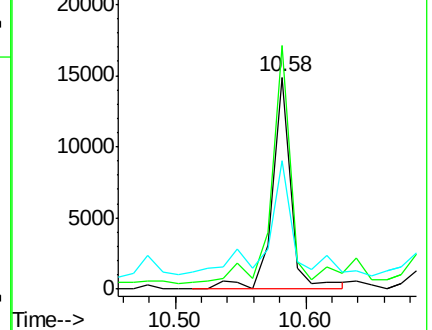
152 60.8 43.0 64.6

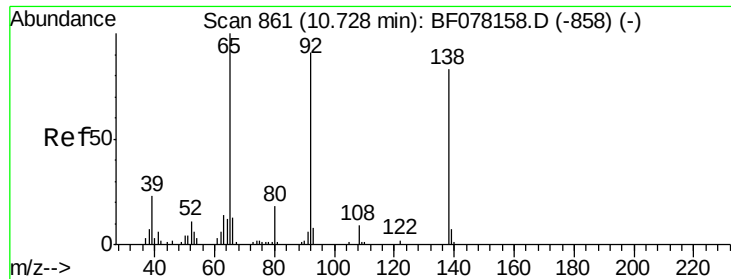


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 3.19 ng

RT: 10.51 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

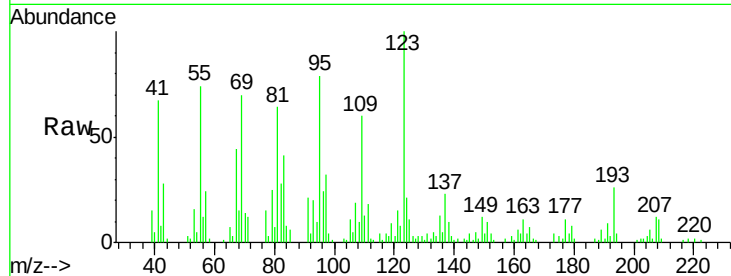
Tgt Ion:138 Resp: 2357

Ion Ratio Lower Upper

138 100

108 96.7 8.2 12.4#

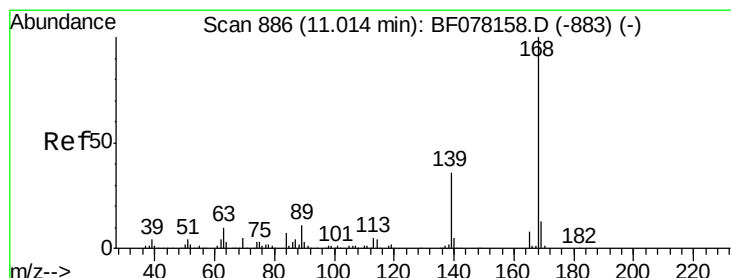
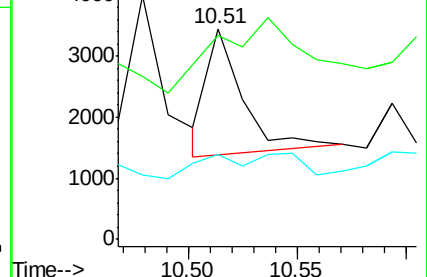
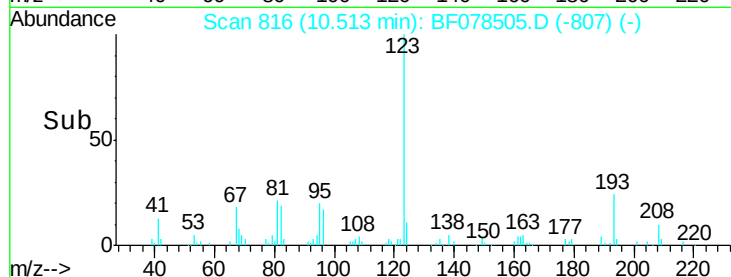
92 40.5 88.4 132.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 5.26 ng

RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

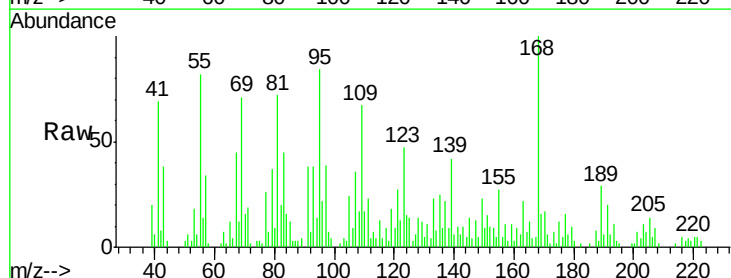
Tgt Ion:168 Resp: 19718

Ion Ratio Lower Upper

168 100

139 41.9 31.0 46.4

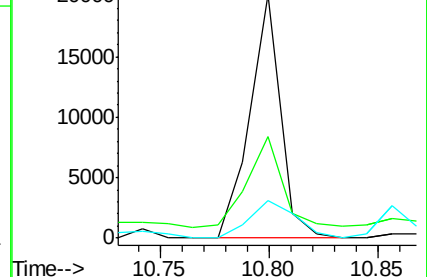
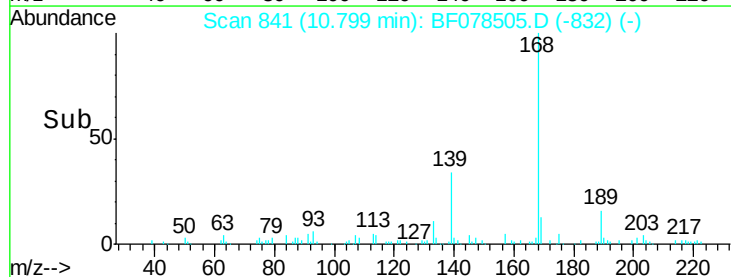
169 15.5 10.7 16.1

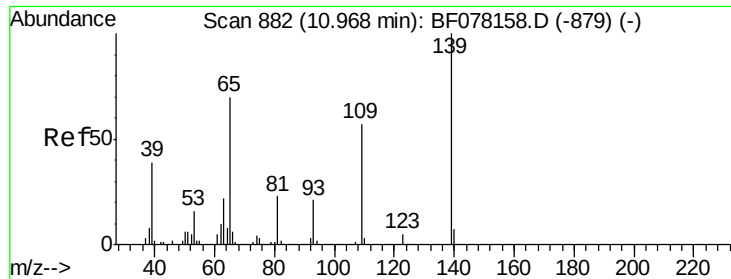


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

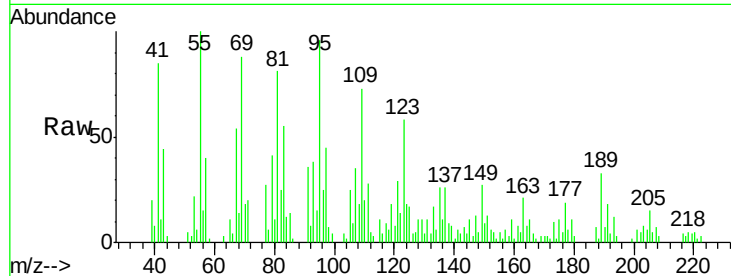




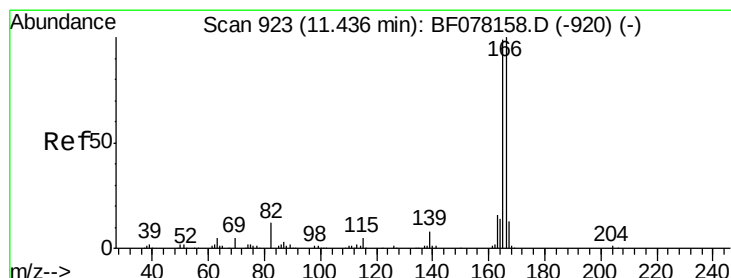
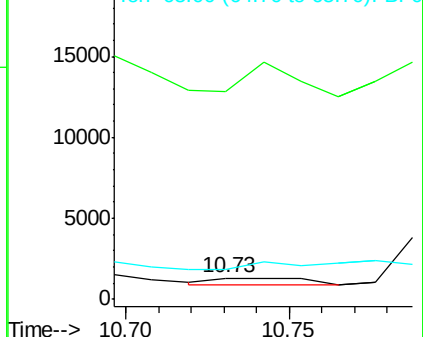
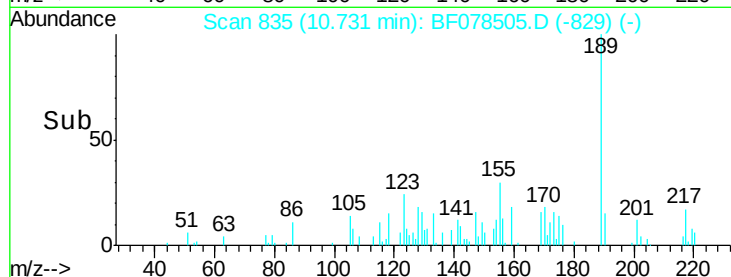
#55
4-Nitrophenol
Concen: 4.07 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.03 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:139 Resp: 737
Ion Ratio Lower Upper
139 100
109 968.7 36.7 76.7#
65 139.0 49.9 89.9#

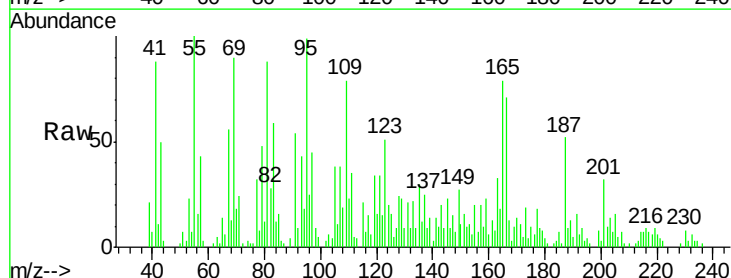


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

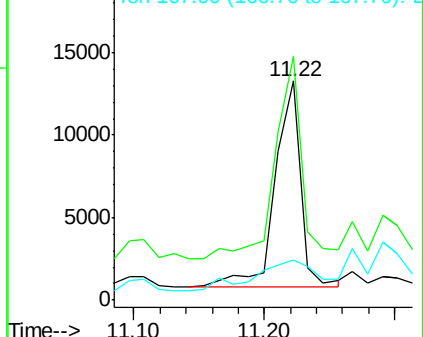
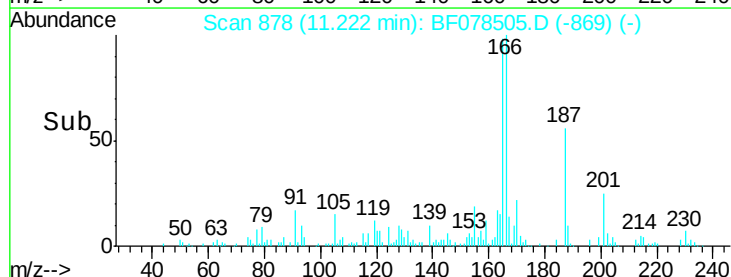


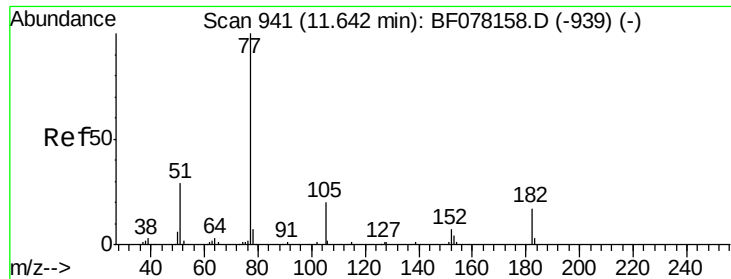
#57
Fluorene
Concen: 5.57 ng
RT: 11.22 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Tgt Ion:166 Resp: 16934
Ion Ratio Lower Upper
166 100
165 111.3 78.9 118.3
167 18.3 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#62

Azobenzene

Concen: 5.14 ng

RT: 11.45 min Scan# 898

Delta R.T. 0.02 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

Tgt Ion: 77 Resp: 14253

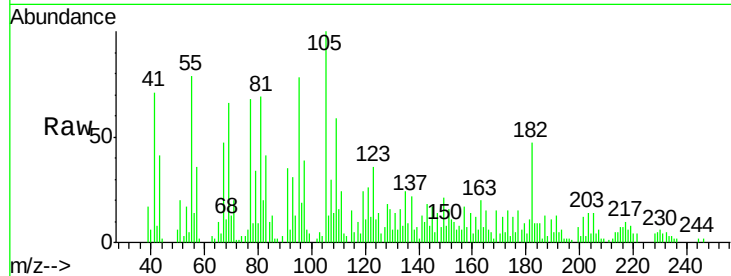
Ion Ratio Lower Upper

77 100

182 69.1 0.0 36.8#

105 147.4 0.3 40.3#

51 29.1 9.1 49.1

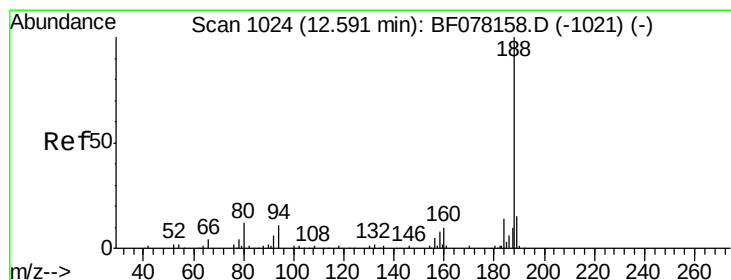
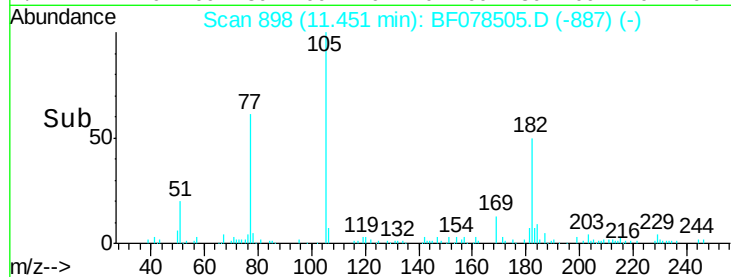
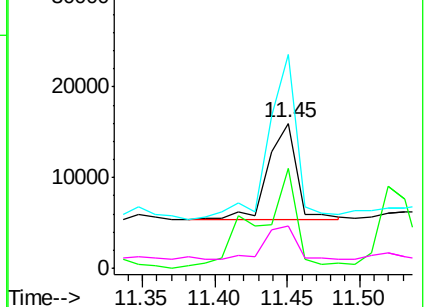


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.37 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

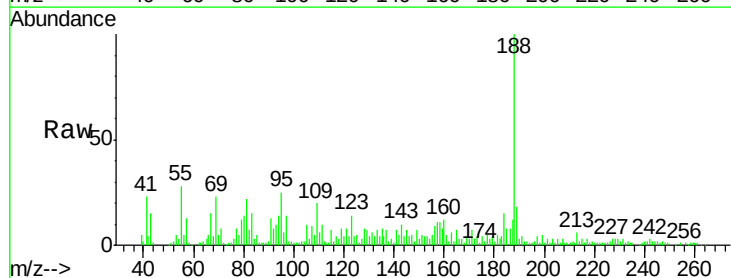
Tgt Ion: 188 Resp: 82175

Ion Ratio Lower Upper

188 100

94 14.2 9.0 13.4#

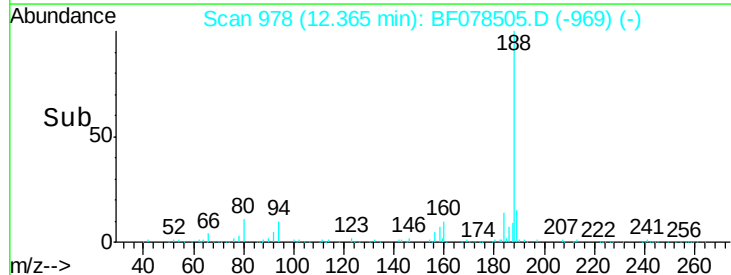
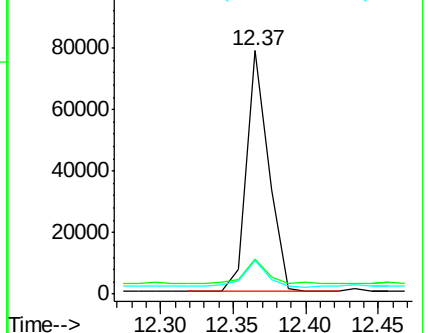
80 13.8 9.5 14.3

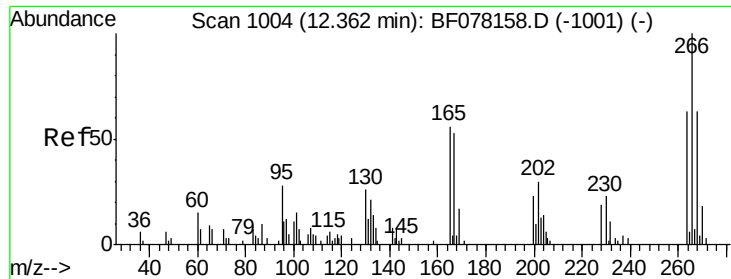


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

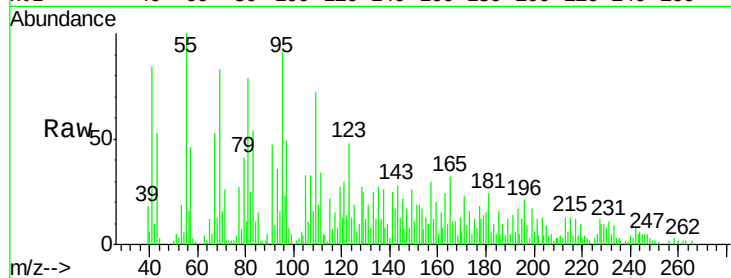




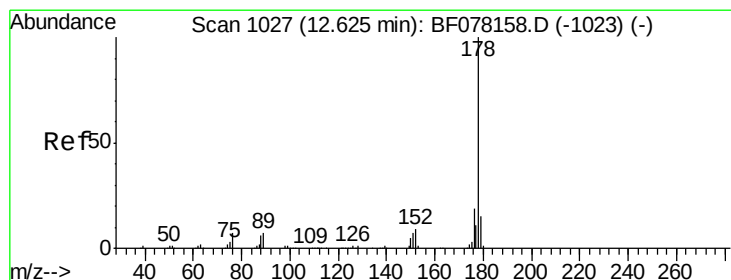
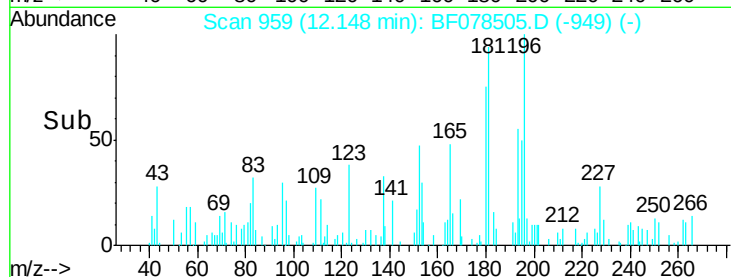
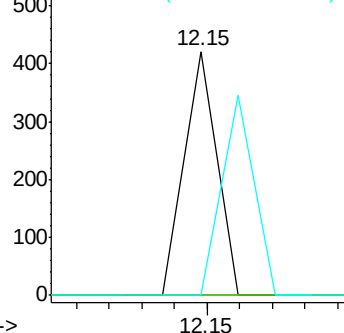
#69
 Pentachlorophenol
 Concen: 8.38 ng
 RT: 12.15 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05A

Tgt Ion: 266 Resp: 289
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.1 75.1#
 264 0.0 50.0 75.0#

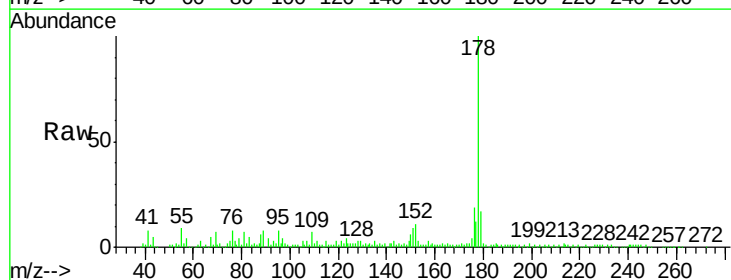


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

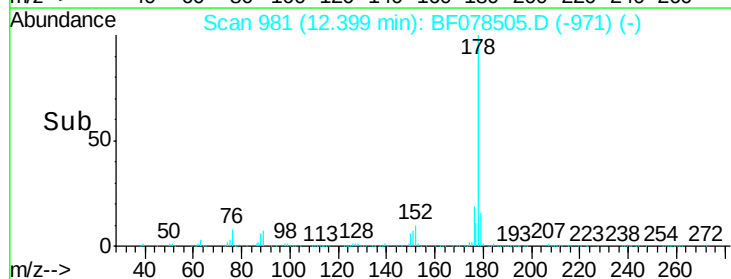
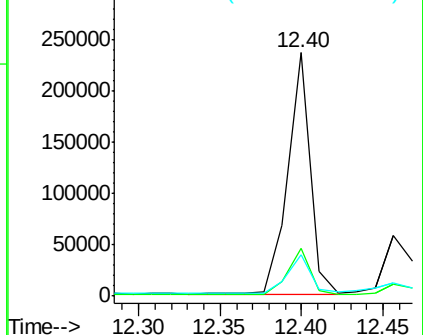


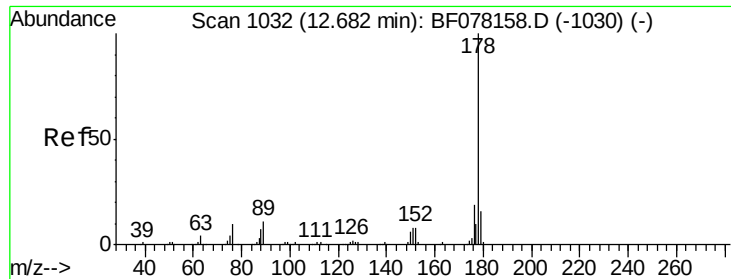
#70
 Phenanthrene
 Concen: 47.46 ng
 RT: 12.40 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

Tgt Ion: 178 Resp: 225595
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 16.8 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

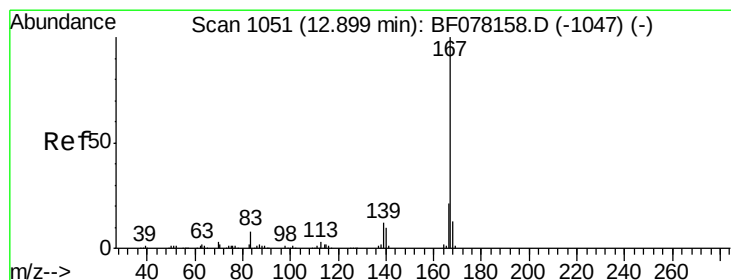
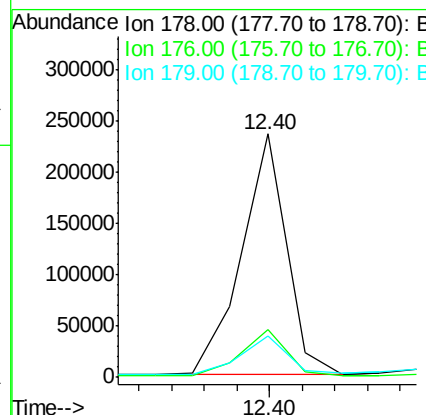
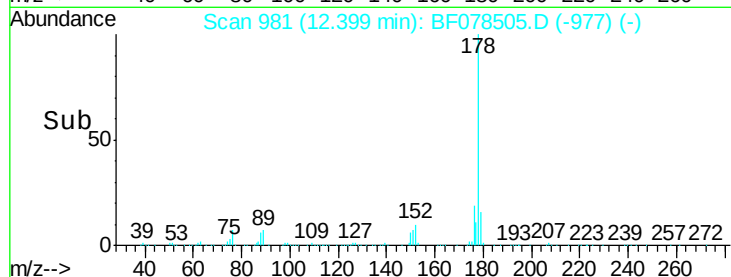
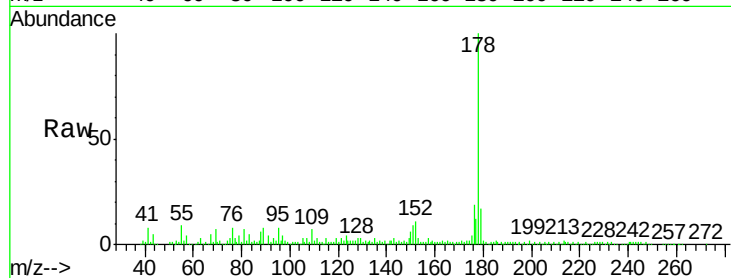




#71
 Anthracene
 Concen: 47.03 ng
 RT: 12.40 min Scan# 981
 Delta R.T. -0.06 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

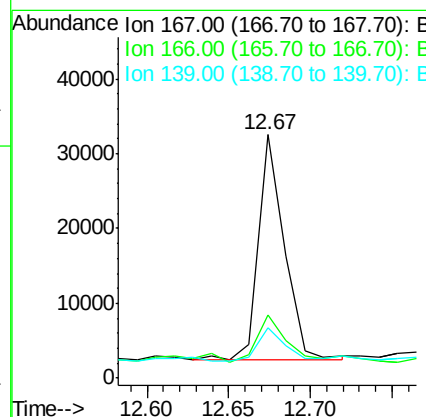
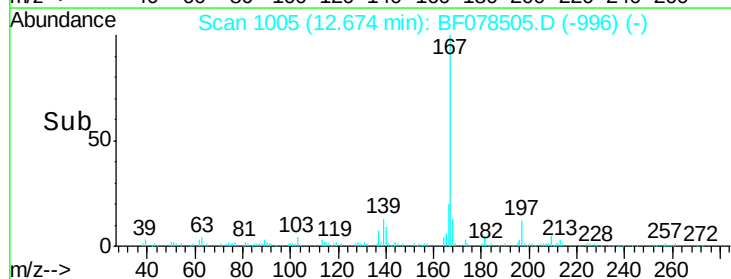
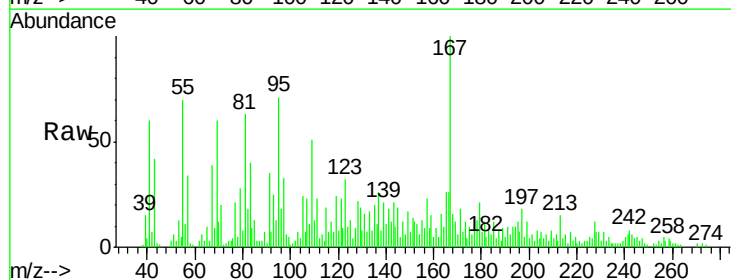
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05A

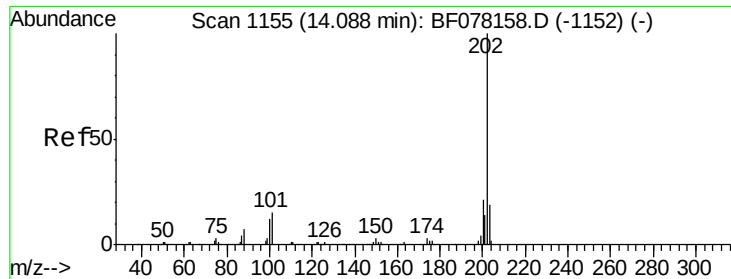
Tgt Ion:178 Resp: 220293
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.8 22.2
 179 16.8 12.4 18.6



#72
 Carbazole
 Concen: 7.55 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

Tgt Ion:167 Resp: 33159
 Ion Ratio Lower Upper
 167 100
 166 26.0 16.8 25.2#
 139 20.9 10.0 15.0#





#74

Fluoranthene

Concen: 70.48 ng

RT: 13.86 min Scan# 1109

Delta R.T. 0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

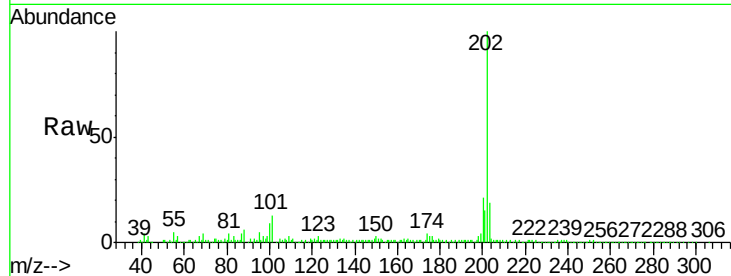
Tgt Ion:202 Resp: 353329

Ion Ratio Lower Upper

202 100

101 12.7 0.0 35.2

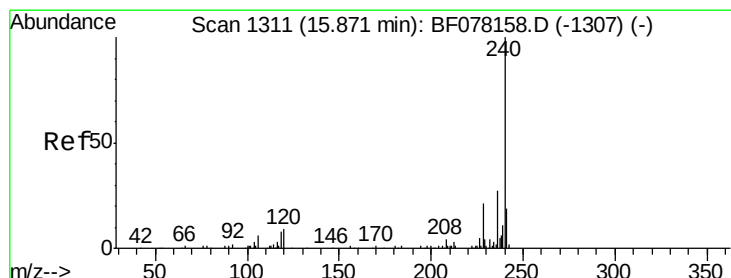
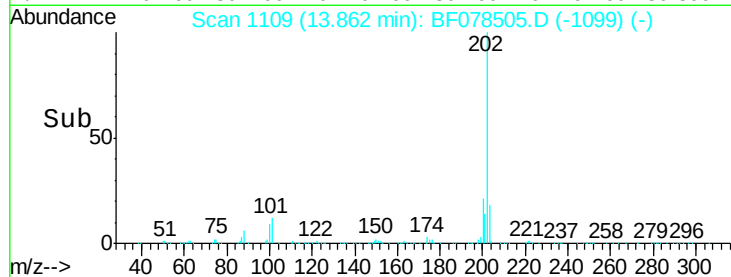
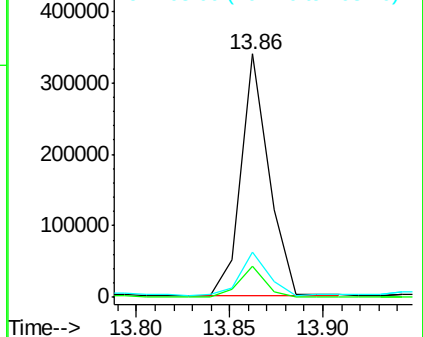
203 18.5 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

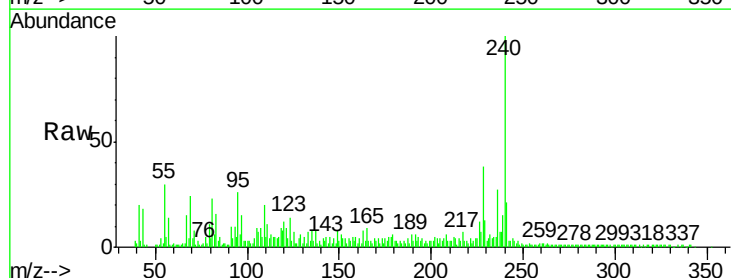
Tgt Ion:240 Resp: 93841

Ion Ratio Lower Upper

240 100

120 11.8 7.1 10.7#

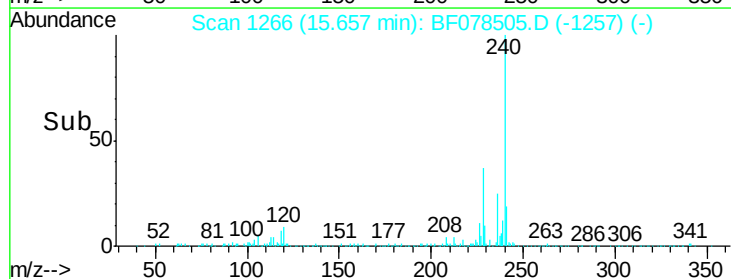
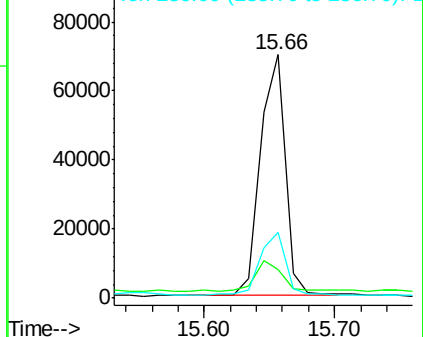
236 26.9 21.4 32.2

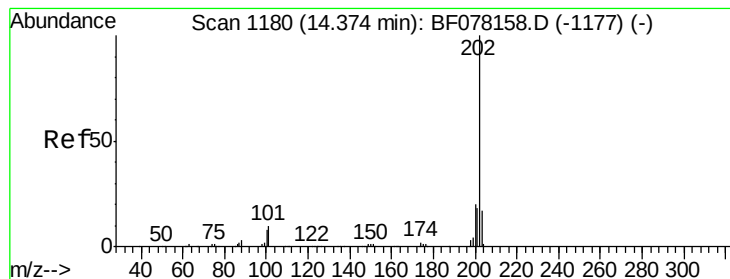


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 59.94 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

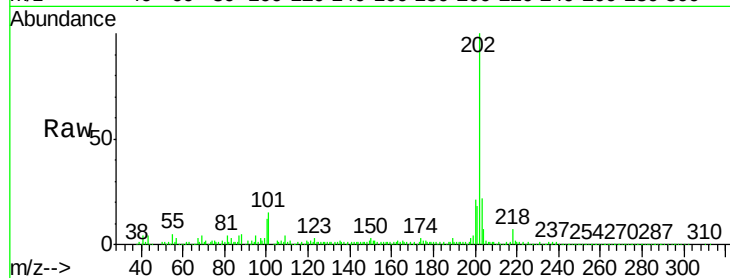
Tgt Ion:202 Resp: 353084

Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

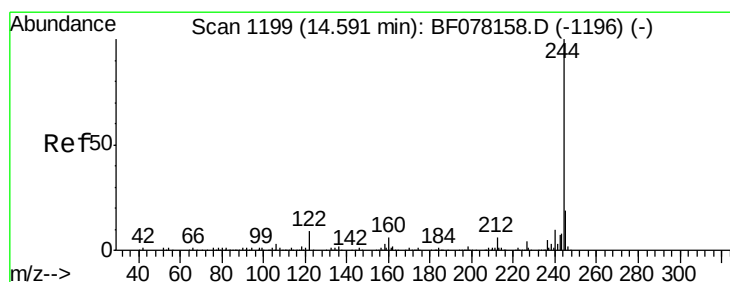
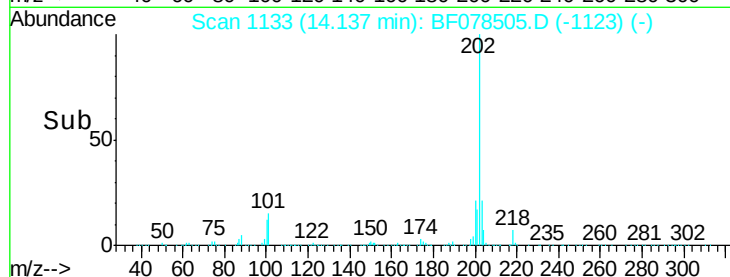
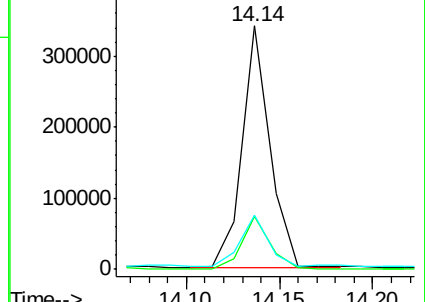
203 22.4 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.18 ng

RT: 14.37 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

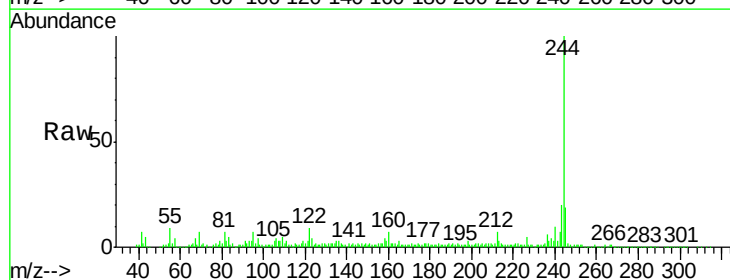
Tgt Ion:244 Resp: 237470

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

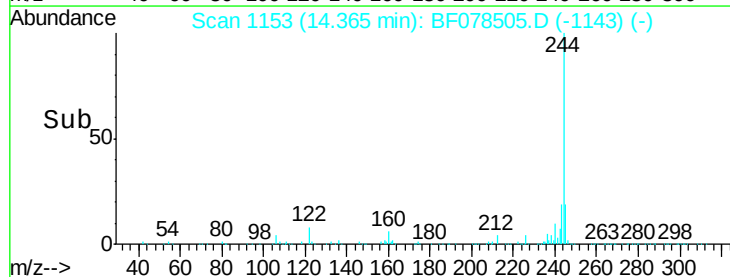
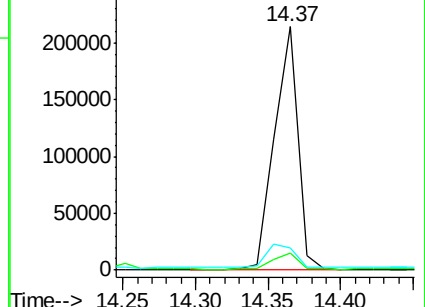
122 9.4 7.1 10.7

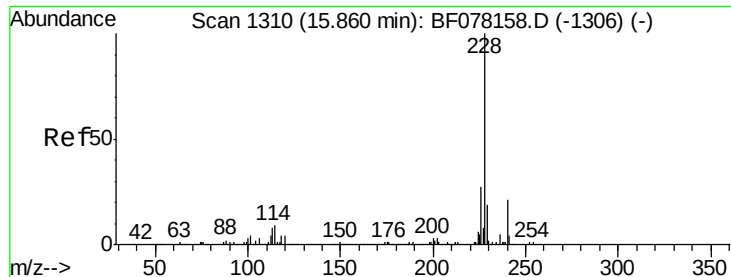


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 38.29 ng

RT: 15.65 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

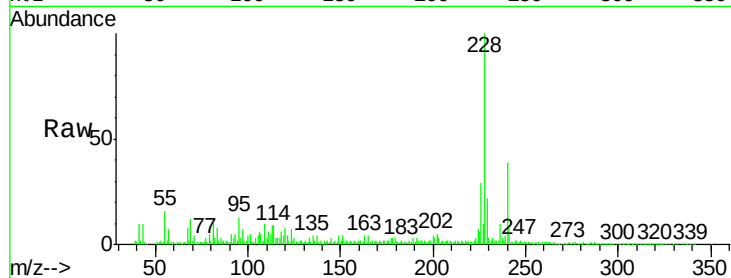
Tgt Ion:228 Resp: 213800

Ion Ratio Lower Upper

228 100

226 28.8 21.3 31.9

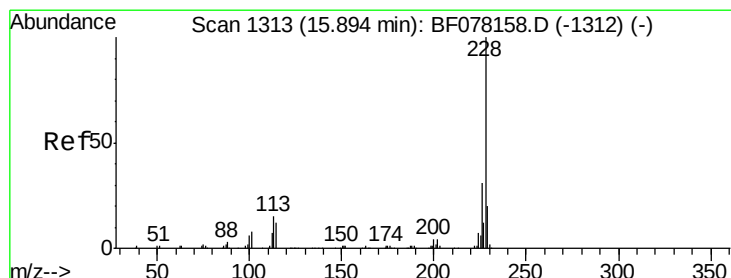
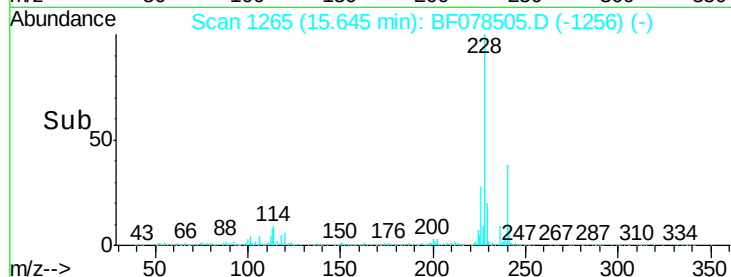
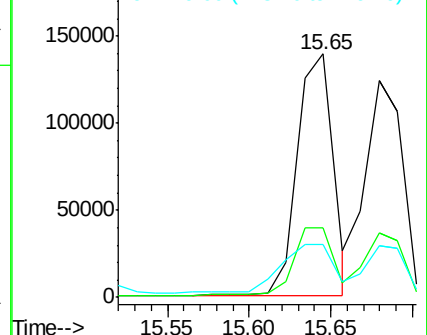
229 22.0 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 39.50 ng

RT: 15.65 min Scan# 1265

Delta R.T. -0.05 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

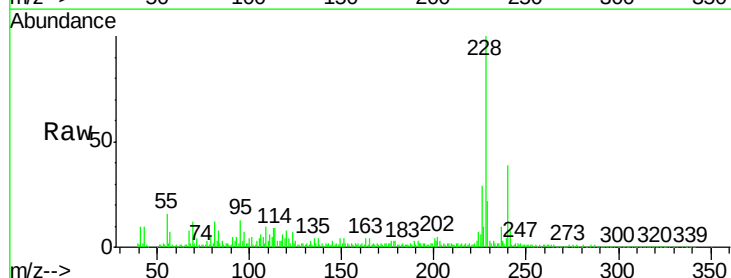
Tgt Ion:228 Resp: 207212

Ion Ratio Lower Upper

228 100

226 28.8 24.2 36.4

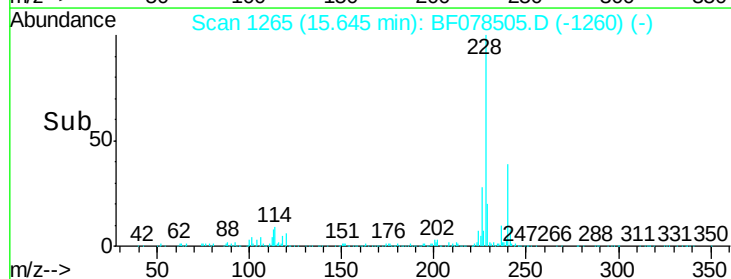
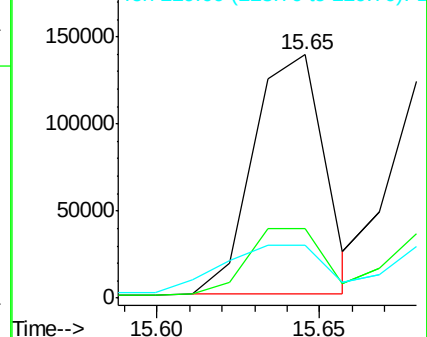
229 22.0 15.8 23.8

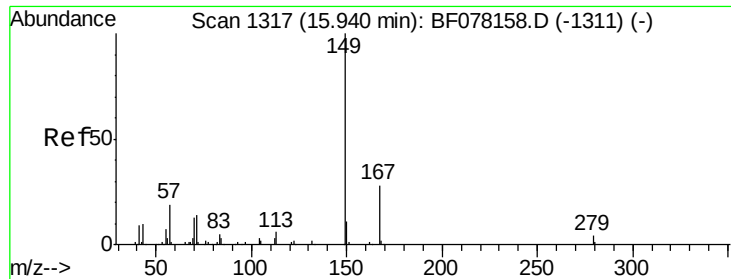


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

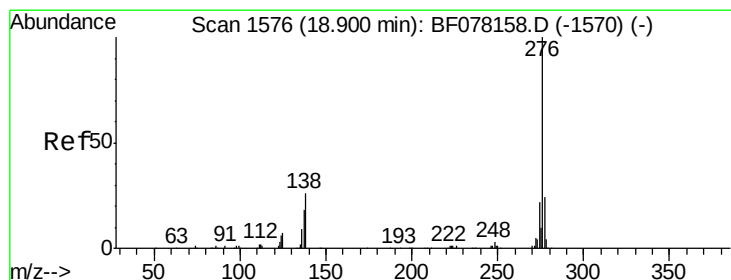
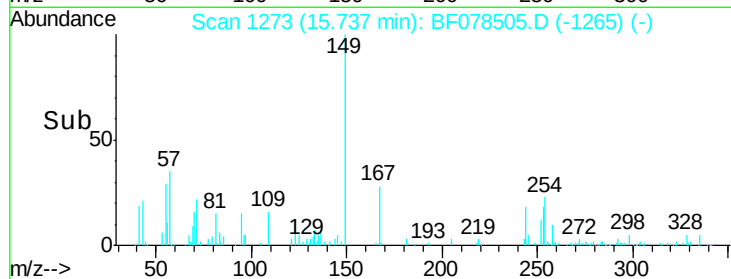
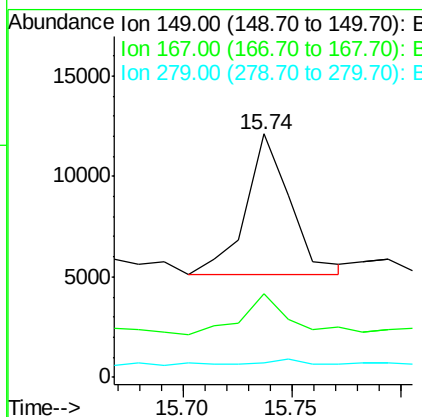
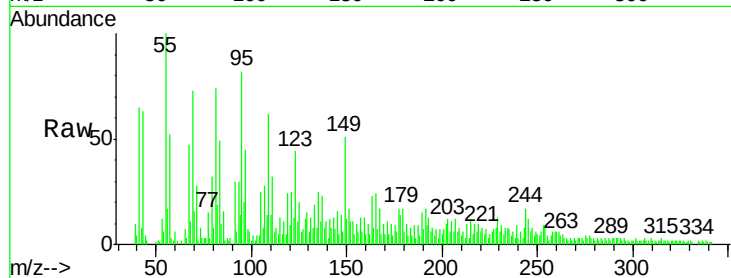




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.84 ng
 RT: 15.74 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

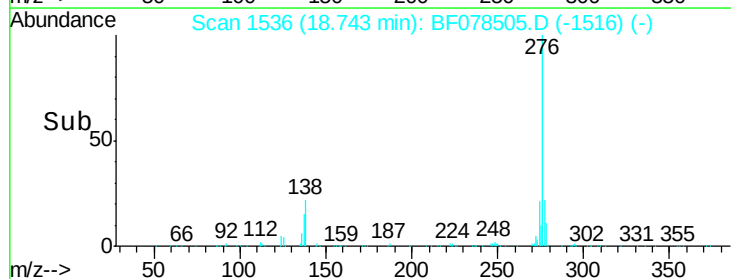
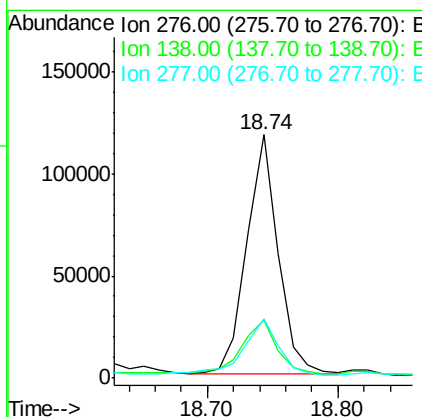
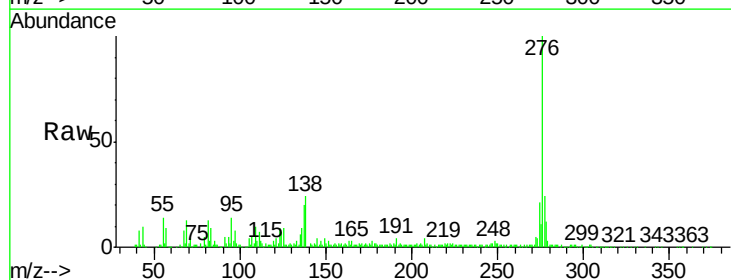
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05A

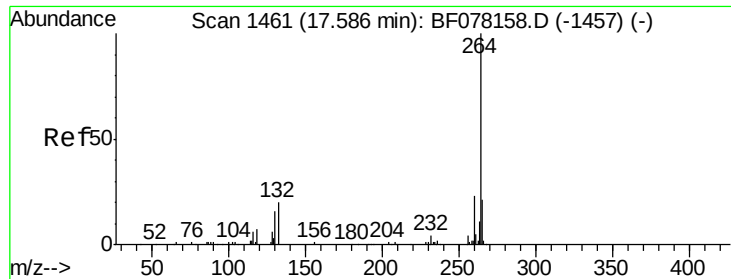
Tgt Ion:149 Resp: 10017
 Ion Ratio Lower Upper
 149 100
 167 34.2 22.2 33.2#
 279 5.8 3.2 4.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.16 ng
 RT: 18.74 min Scan# 1536
 Delta R.T. -0.07 min
 Lab File: BF078505.D
 Acq: 14 Apr 2015 18:05

Tgt Ion:276 Resp: 197378
 Ion Ratio Lower Upper
 276 100
 138 26.2 16.9 25.3#
 277 28.1 15.8 23.6#

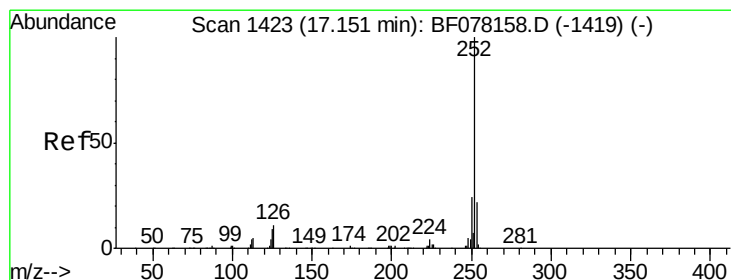
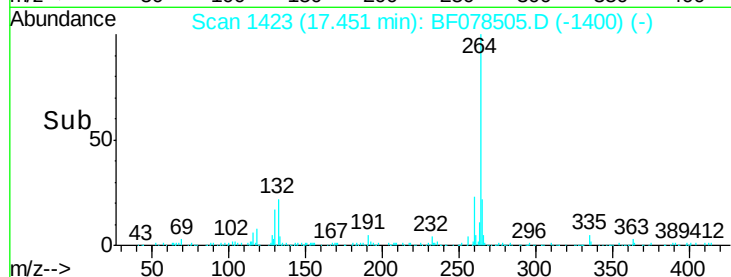
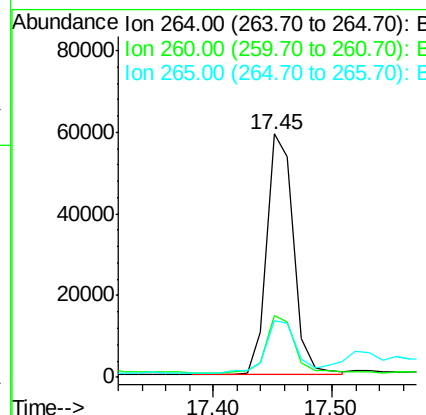
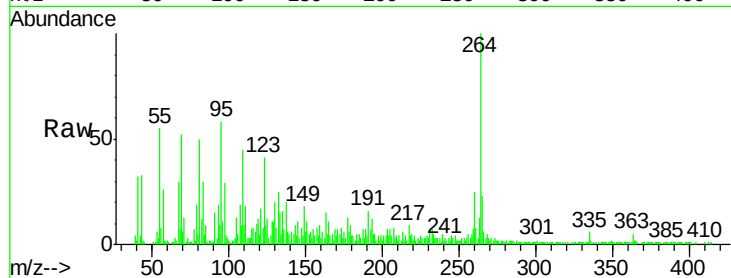




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.45 min Scan# 1423
Delta R.T. -0.03 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

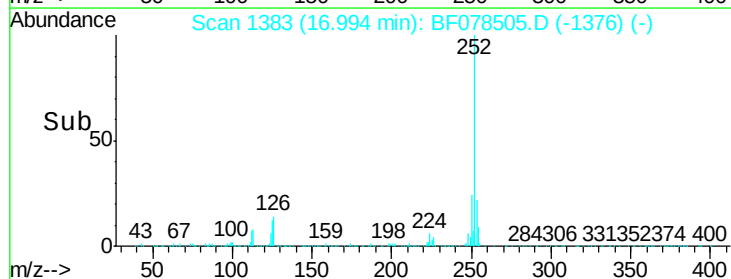
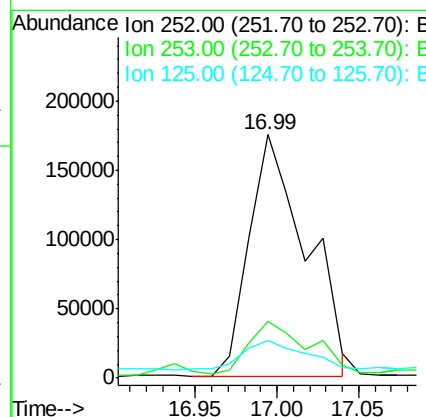
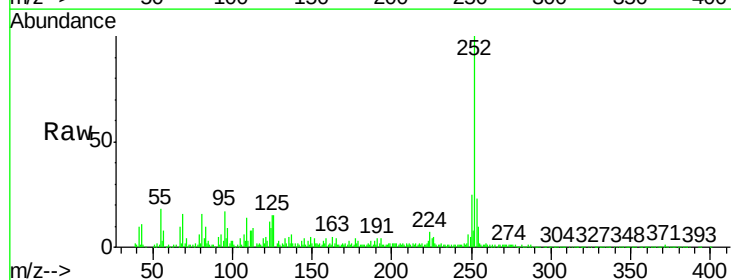
Instrument :
BNA_F
ClientSampleId :
HS-SB05A

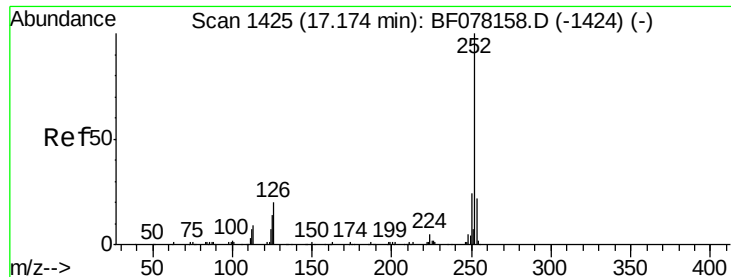
Tgt Ion: 264 Resp: 93094
Ion Ratio Lower Upper
264 100
260 25.3 18.6 27.8
265 23.4 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 73.91 ng
RT: 16.99 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Tgt Ion: 252 Resp: 425248
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 15.4 7.0 10.4#

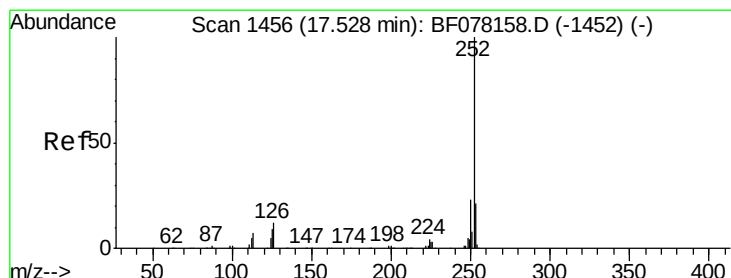
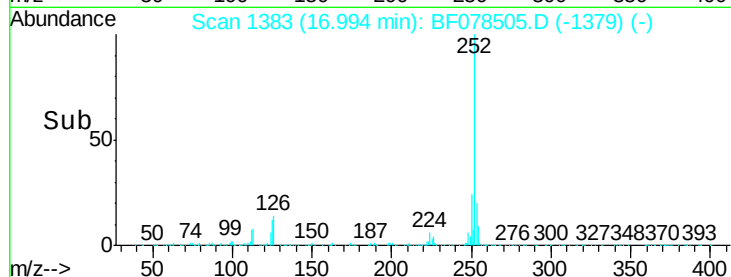
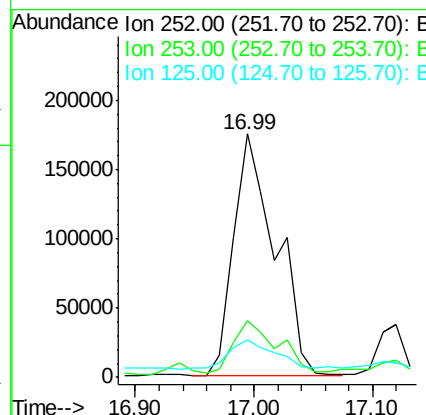
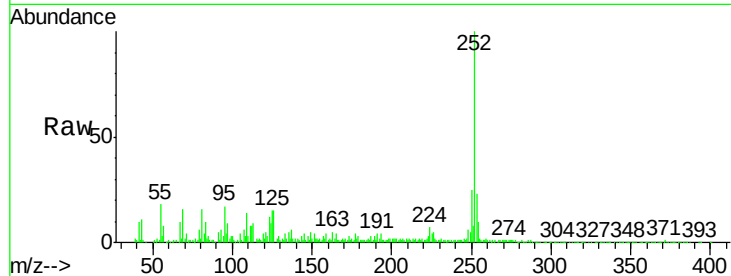




#88
Benzo(k)fluoranthene
Concen: 83.67 ng
RT: 16.99 min Scan# 1383
Delta R.T. -0.06 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

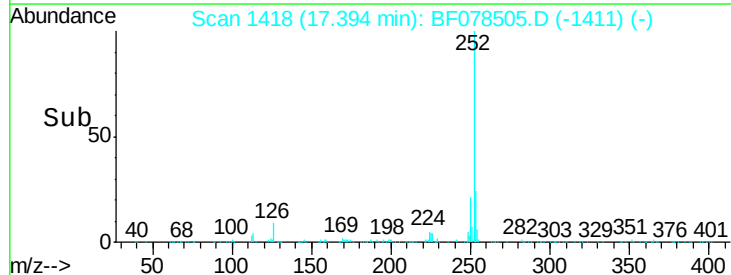
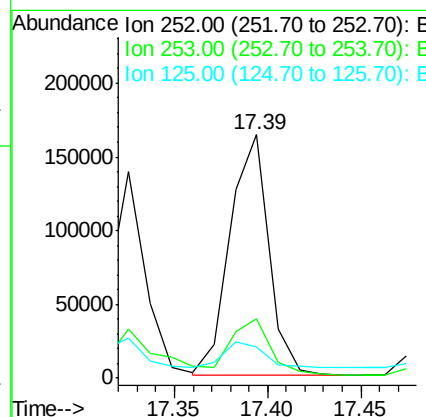
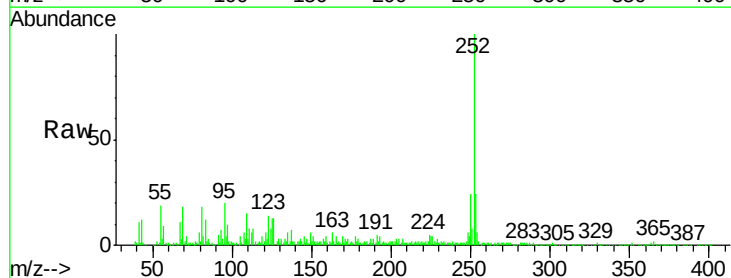
Instrument :
BNA_F
ClientSampleId :
HS-SB05A

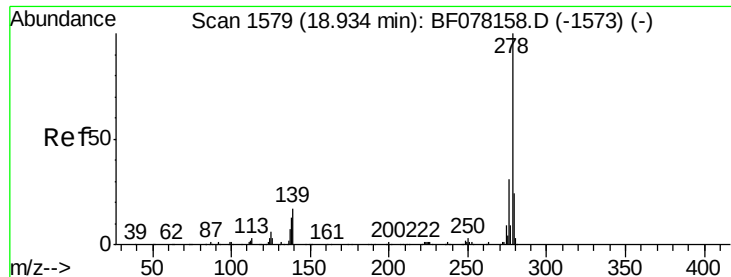
Tgt Ion:252 Resp: 427795
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 15.4 11.6 17.4



#89
Benzo(a)pyrene
Concen: 46.93 ng
RT: 17.39 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF078505.D
Acq: 14 Apr 2015 18:05

Tgt Ion:252 Resp: 235641
Ion Ratio Lower Upper
252 100
253 24.3 16.8 25.2
125 13.0 7.4 11.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.98 ng

RT: 18.82 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

Instrument :

BNA_F

ClientSampleId :

HS-SB05A

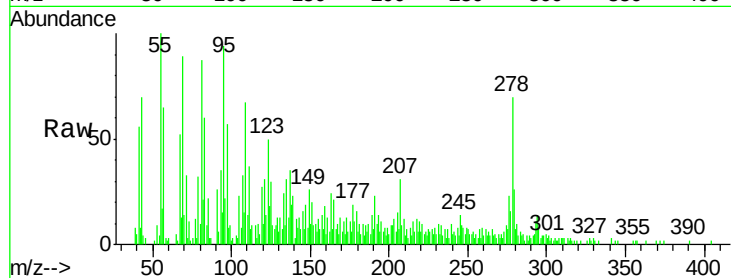
Tgt Ion: 278 Resp: 14986

Ion Ratio Lower Upper

278 100

139 33.8 13.6 20.4#

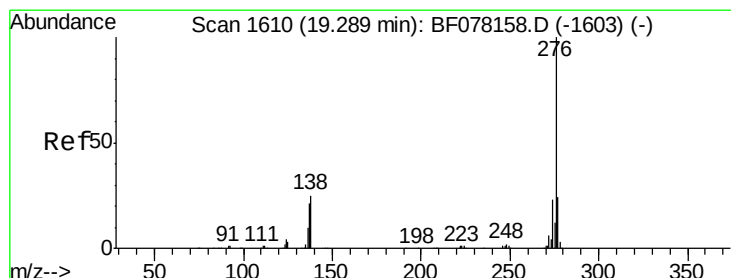
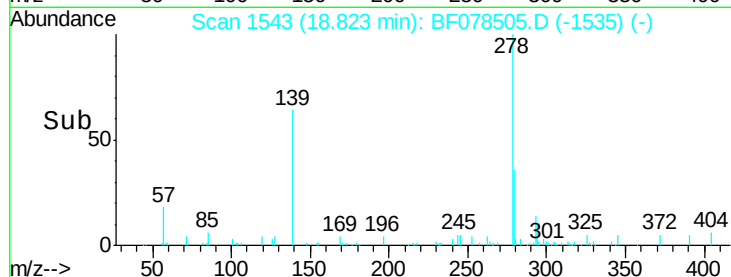
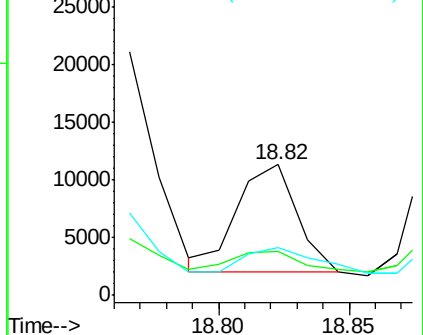
279 36.9 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 42.59 ng

RT: 19.10 min Scan# 1567

Delta R.T. -0.06 min

Lab File: BF078505.D

Acq: 14 Apr 2015 18:05

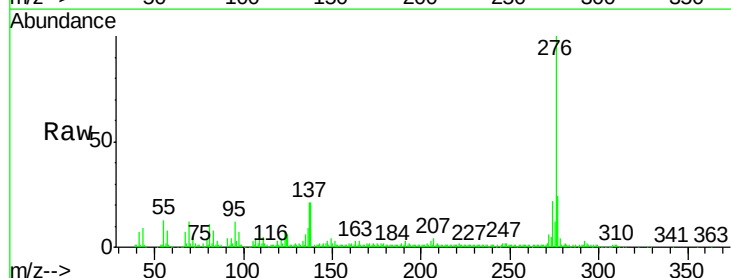
Tgt Ion: 276 Resp: 214686

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 20.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

