

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078506.D
 Acq On : 14 Apr 2015 18:33
 Operator : TP/IZ
 Sample : G1828-02 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Quant Time: Apr 15 01:23:24 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

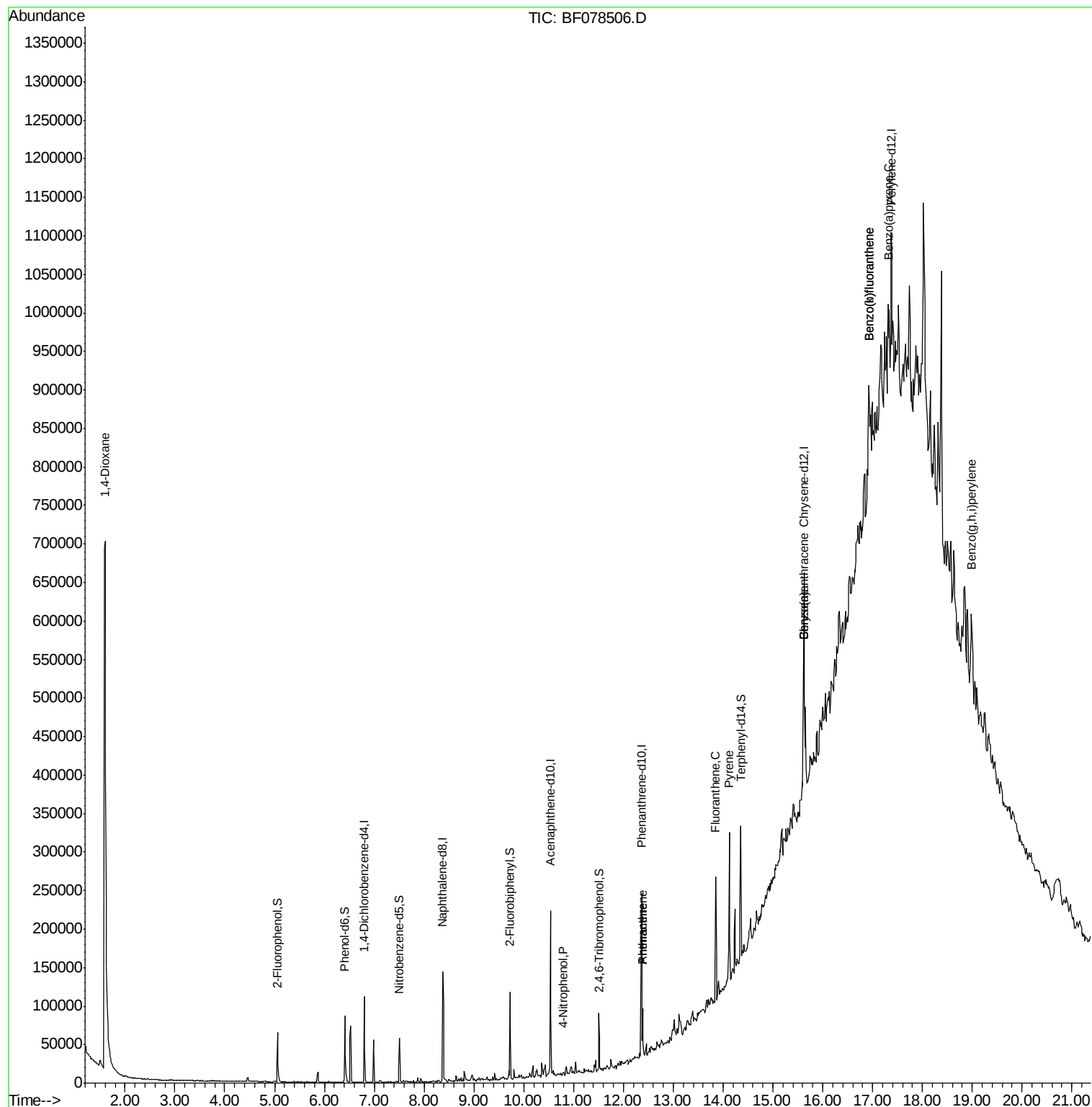
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	19983	20.00	ng	0.00
21) Naphthalene-d8	8.38	136	84573	20.00	ng	-0.01
38) Acenaphthene-d10	10.54	164	46034	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	95171	20.00	ng	0.00
75) Chrysene-d12	15.62	240	107976	20.00	ng	-0.03
86) Perylene-d12	17.38	264	105593	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	26923	22.21	ng	0.01
7) Phenol-d6	6.41	99	38100	25.08	ng	0.00
23) Nitrobenzene-d5	7.51	82	21079	15.11	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	9657	25.29	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	45727	14.20	ng	-0.01
78) Terphenyl-d14	14.35	244	62756	13.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	35807	65.33	ng	# 25
55) 4-Nitrophenol	10.80	139	479	3.54	ng	# 1
70) Phenanthrene	12.39	178	25217	4.58	ng	99
71) Anthracene	12.39	178	22780	4.20	ng	98
74) Fluoranthene	13.85	202	73333	12.63	ng	97
77) Pyrene	14.13	202	77070	11.37	ng	# 94
80) Benzo(a)anthracene	15.61	228	55712	8.67	ng	94
82) Chrysene	15.61	228	54457	9.02	ng	98
87) Benzo(b)fluoranthene	16.93	252	105448	16.16	ng	# 82
88) Benzo(k)fluoranthene	16.93	252	106596	18.38	ng	# 87
89) Benzo(a)pyrene	17.31	252	64539	11.33	ng	# 83
91) Benzo(g,h,i)perylene	18.98	276	53289	9.32	ng	96

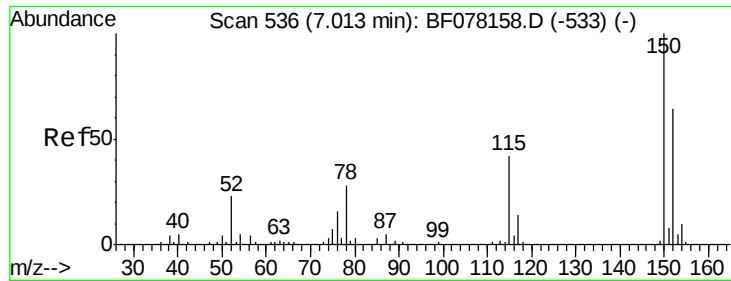
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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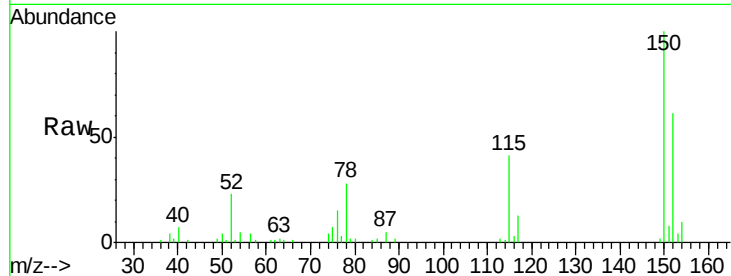




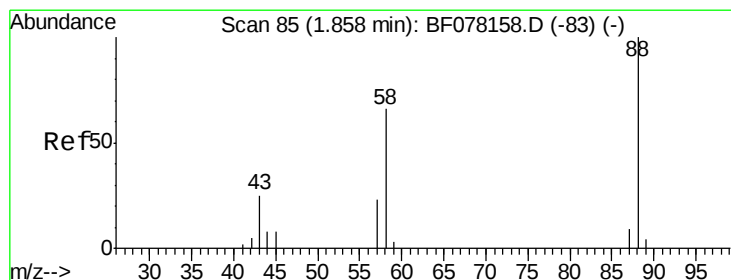
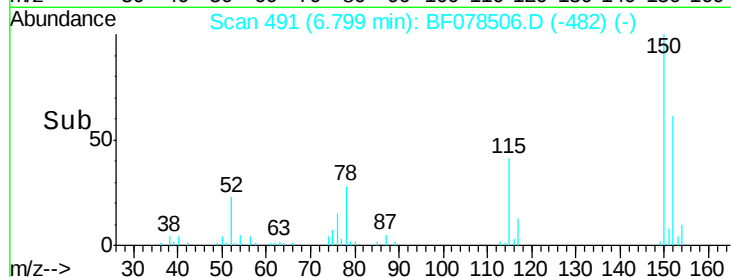
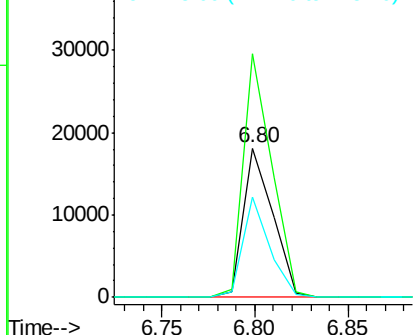
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Tgt Ion:152 Resp: 19983
 Ion Ratio Lower Upper
 152 100
 150 162.9 125.9 188.9
 115 67.1 52.7 79.1

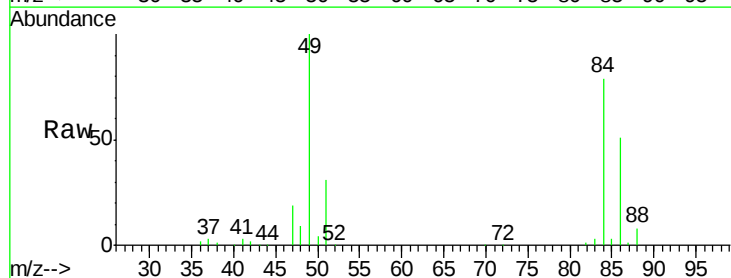


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

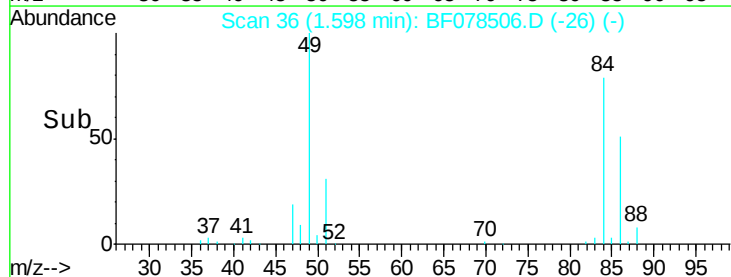
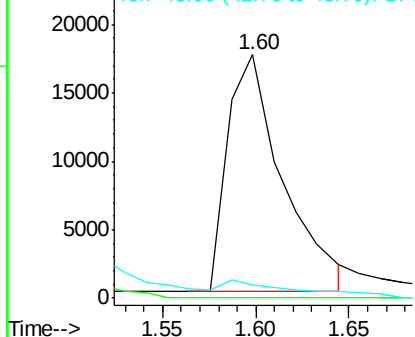


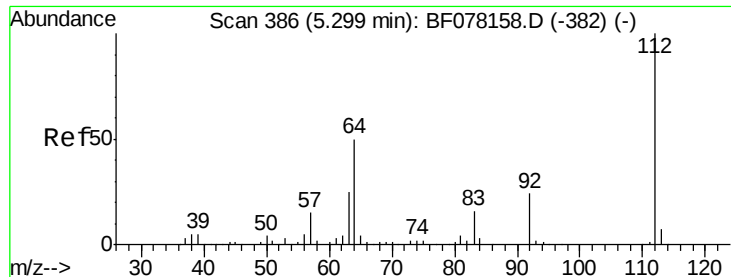
#2
 1,4-Dioxane
 Concen: 65.33 ng
 RT: 1.60 min Scan# 36
 Delta R.T. 0.01 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion: 88 Resp: 35807
 Ion Ratio Lower Upper
 88 100
 58 0.0 56.9 85.3#
 43 3.7 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: 22.21 ng

RT: 5.06 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

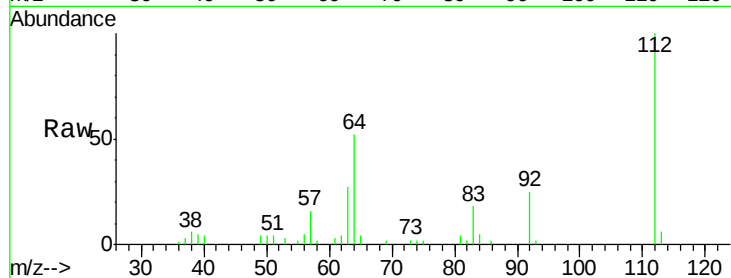
Tgt Ion: 112 Resp: 26923

Ion Ratio Lower Upper

112 100

64 52.0 39.9 59.9

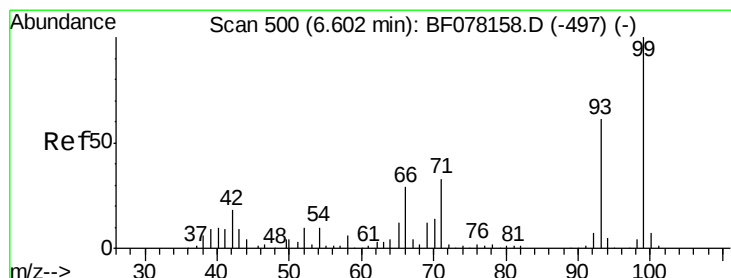
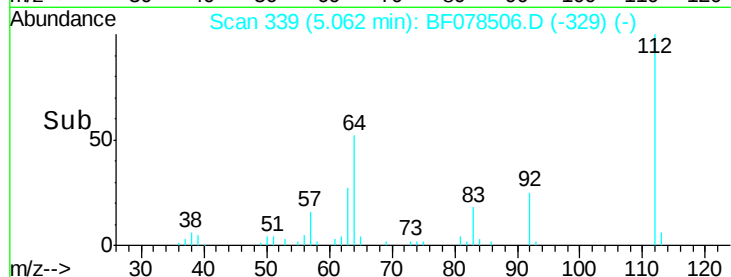
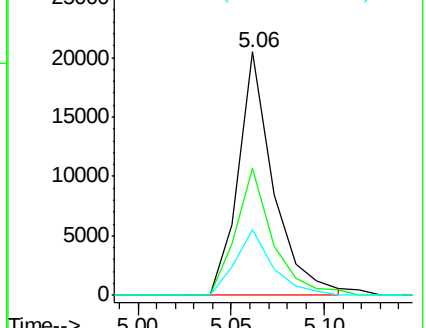
63 27.2 20.2 30.4



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



#7

Phenol-d6

Concen: 25.08 ng

RT: 6.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

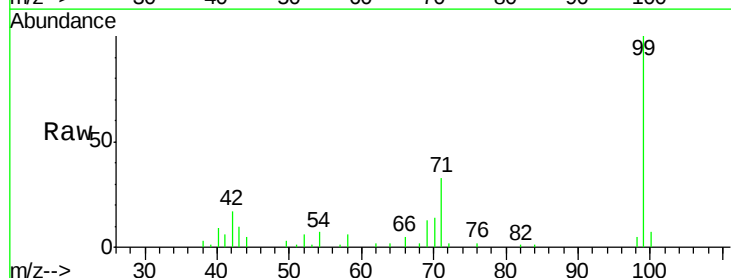
Tgt Ion: 99 Resp: 38100

Ion Ratio Lower Upper

99 100

42 17.3 14.8 22.2

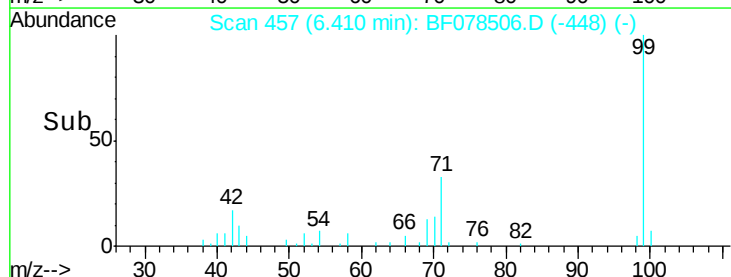
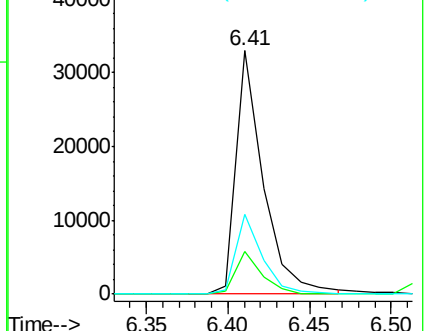
71 32.8 26.6 39.8

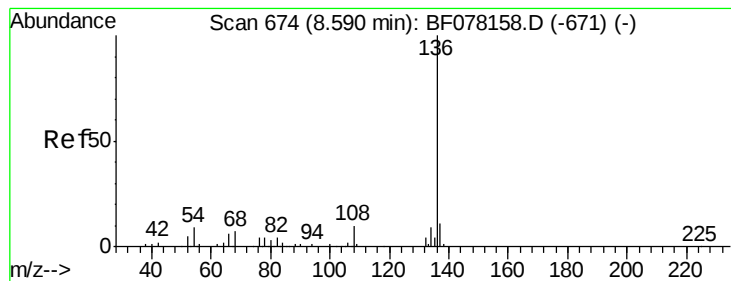


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.38 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

Tgt Ion: 136 Resp: 84573

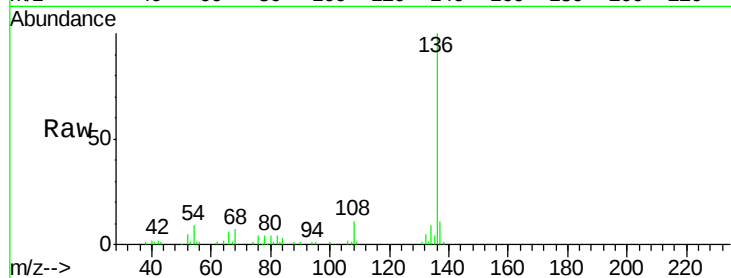
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 9.0 7.0 10.6

68 7.1 5.4 8.2

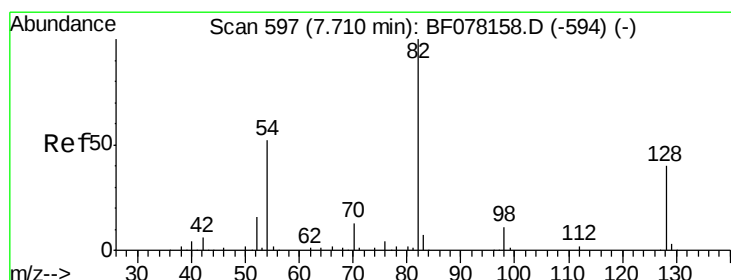
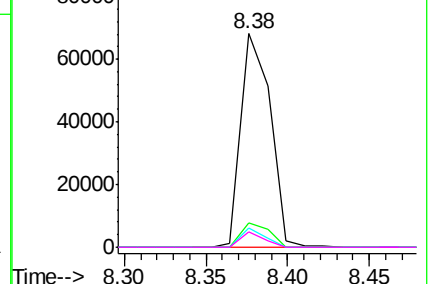
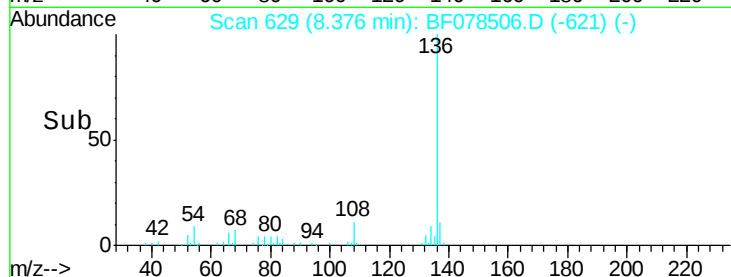


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 15.11 ng

RT: 7.51 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

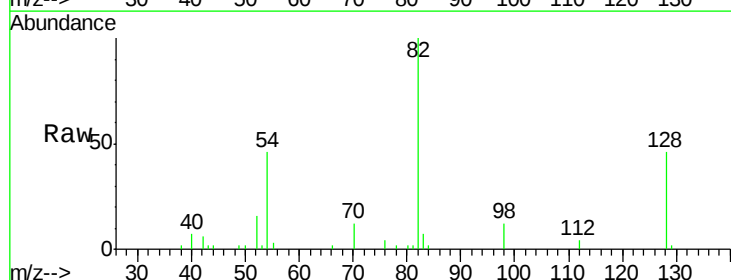
Tgt Ion: 82 Resp: 21079

Ion Ratio Lower Upper

82 100

128 45.7 31.8 47.8

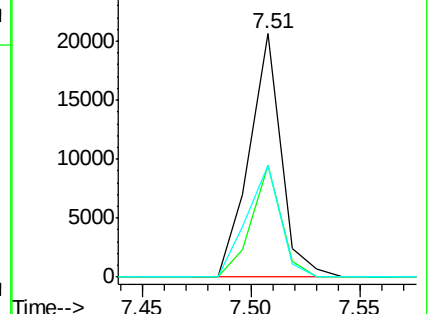
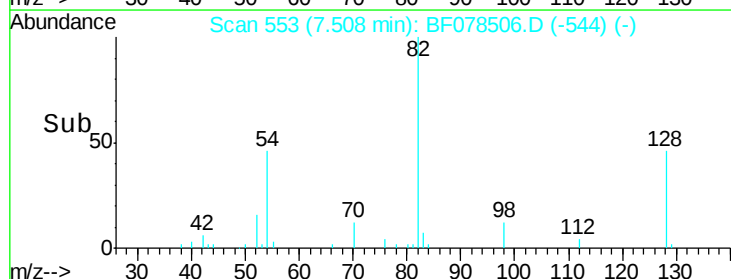
54 45.8 41.5 62.3

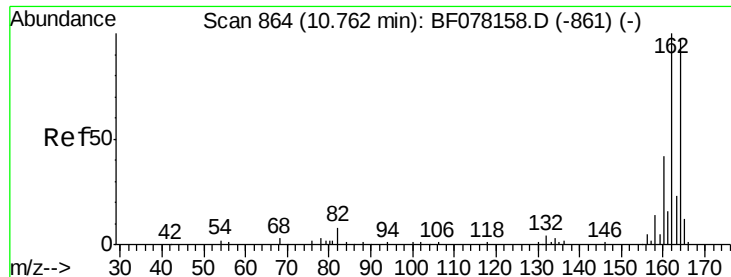


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.54 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

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HS-SB05B

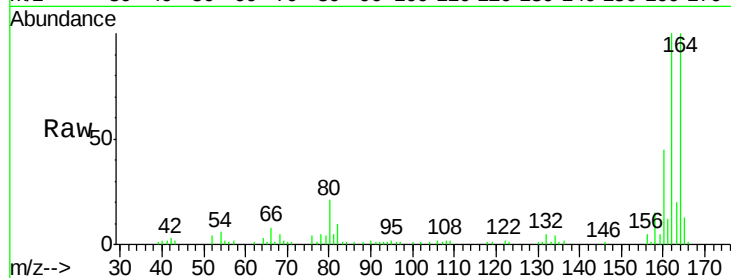
Tgt Ion:164 Resp: 46034

Ion Ratio Lower Upper

164 100

162 99.9 82.2 123.2

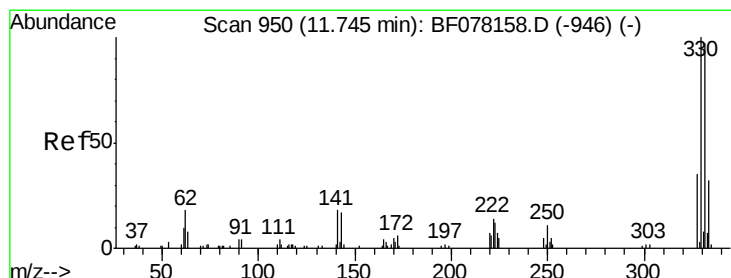
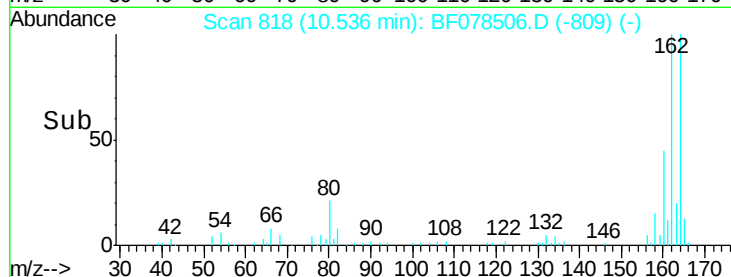
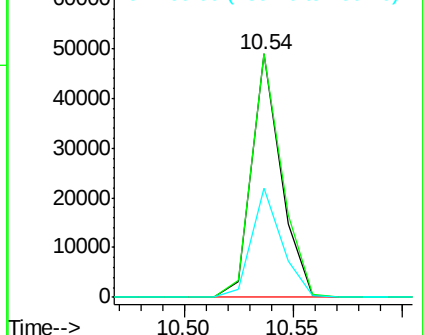
160 44.7 34.7 52.1



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: 25.29 ng

RT: 11.52 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

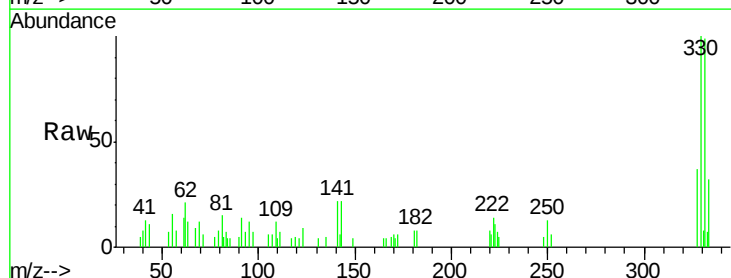
Tgt Ion:330 Resp: 9657

Ion Ratio Lower Upper

330 100

332 97.7 78.6 117.8

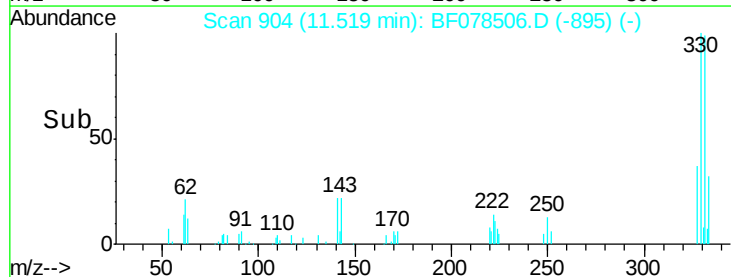
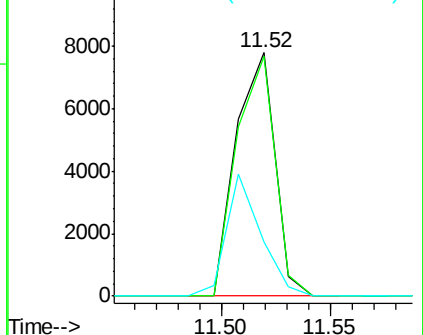
141 44.6 31.2 46.8



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

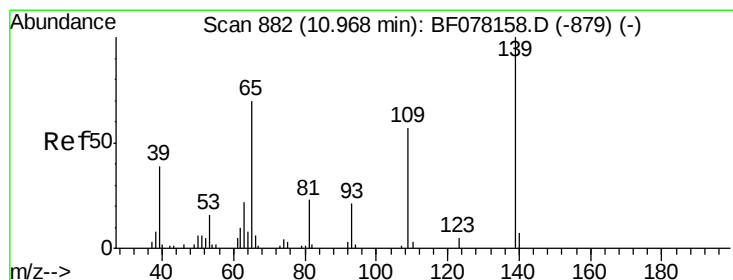
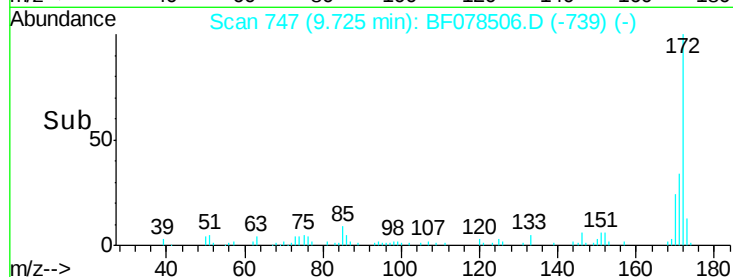
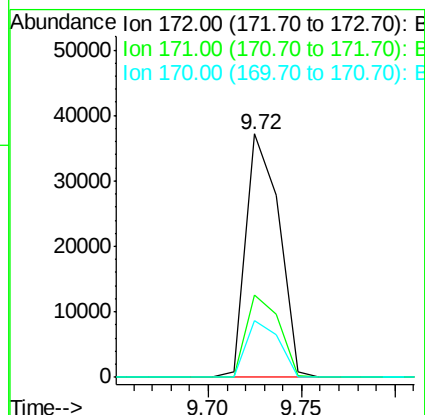
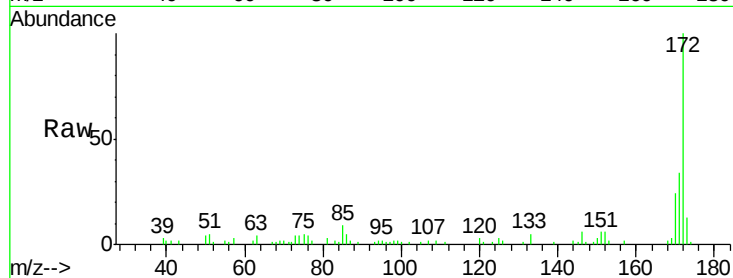




#44
 2-Fluorobiphenyl
 Concen: 14.20 ng
 RT: 9.72 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

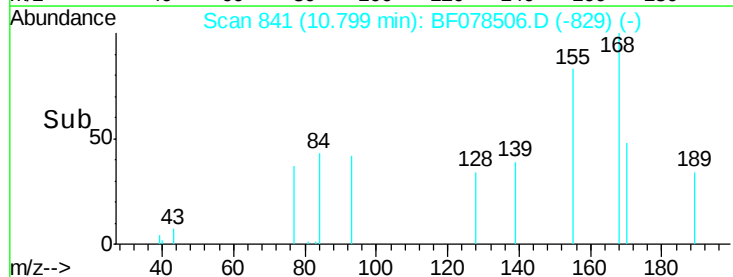
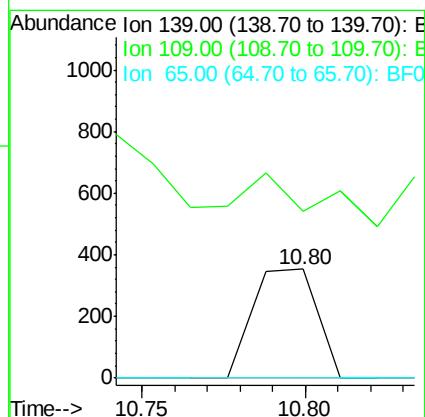
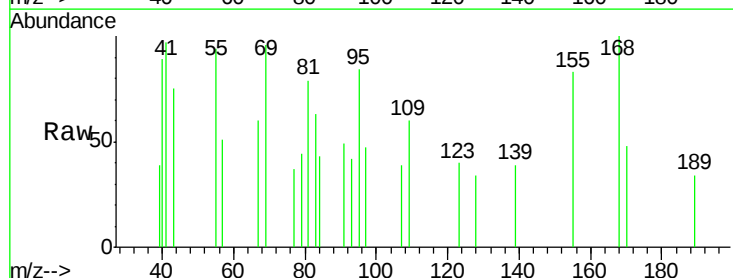
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

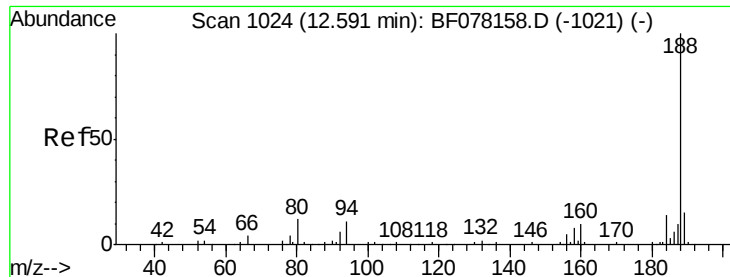
Tgt Ion:172 Resp: 45727
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.6 42.8
 170 23.6 18.5 27.7



#55
 4-Nitrophenol
 Concen: 3.54 ng
 RT: 10.80 min Scan# 841
 Delta R.T. 0.03 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion:139 Resp: 479
 Ion Ratio Lower Upper
 139 100
 109 153.8 36.7 76.7#
 65 0.0 49.9 89.9#

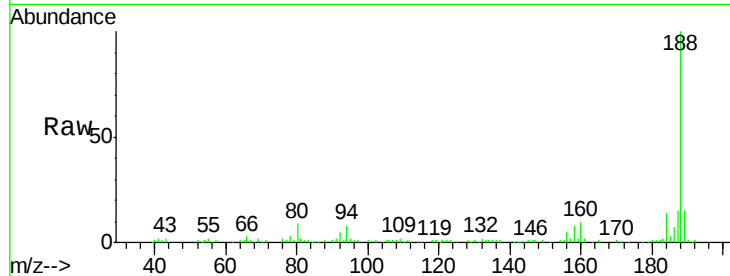




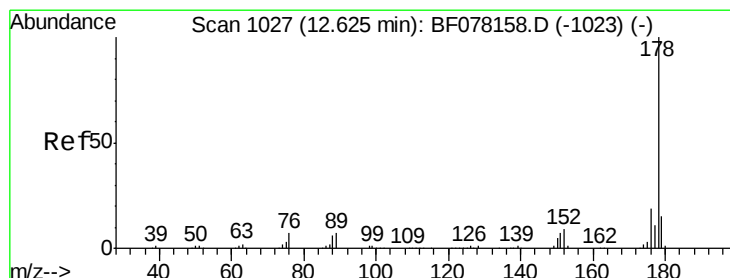
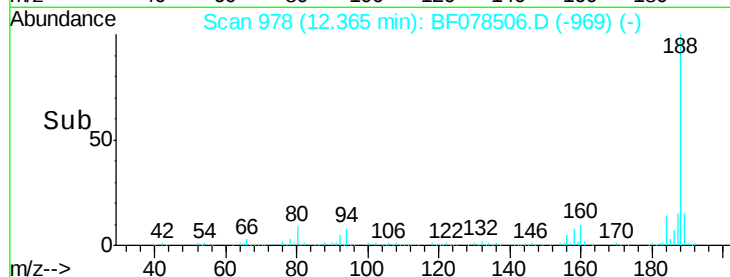
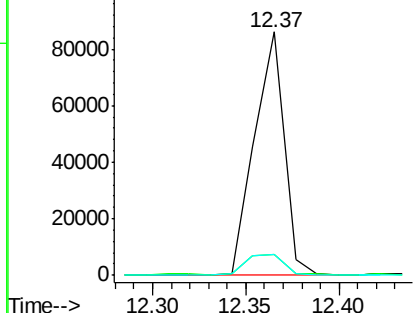
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Tgt Ion:188 Resp: 95171
 Ion Ratio Lower Upper
 188 100
 94 8.4 9.0 13.4#
 80 8.8 9.5 14.3#

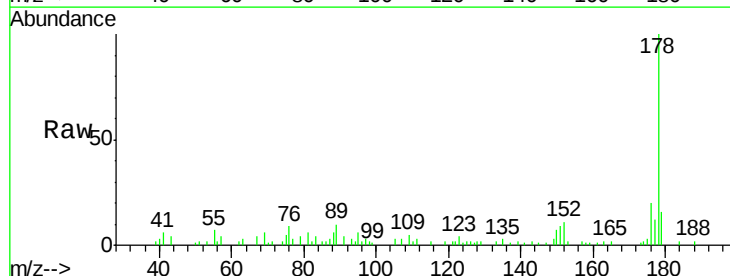


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

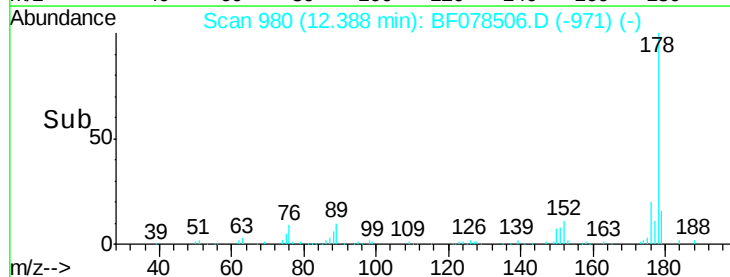
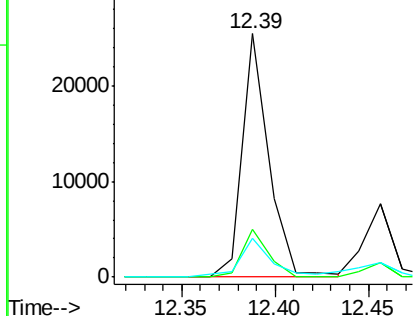


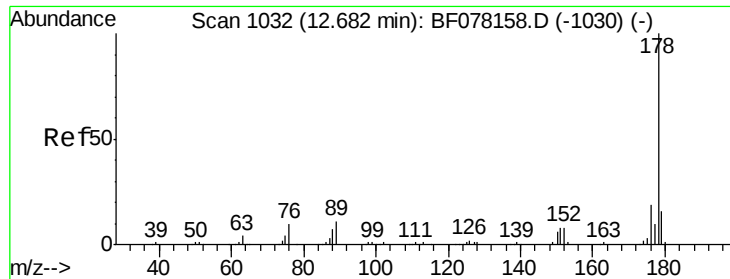
#70
 Phenanthrene
 Concen: 4.58 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion:178 Resp: 25217
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.8 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

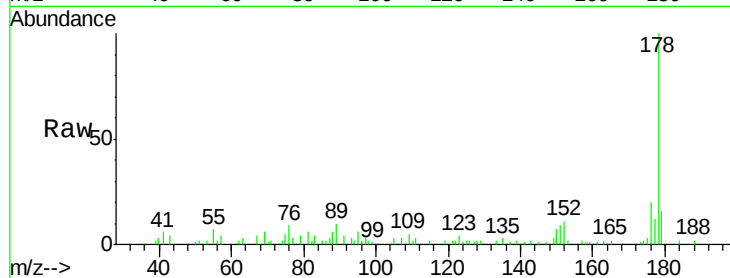




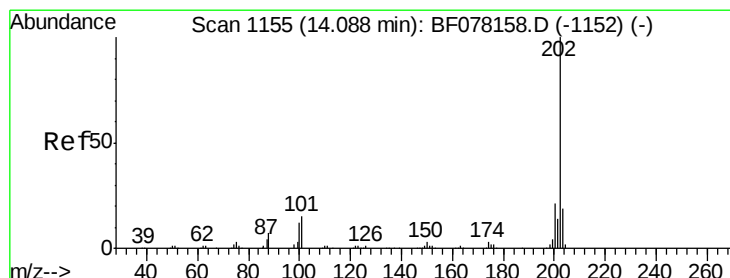
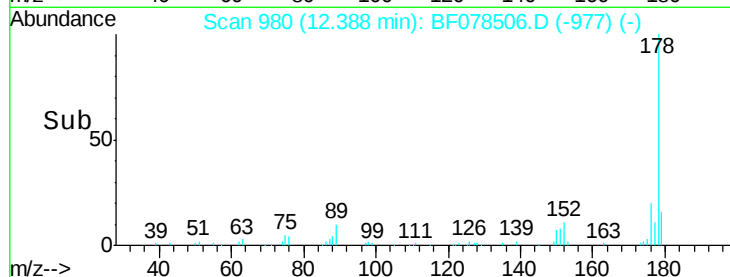
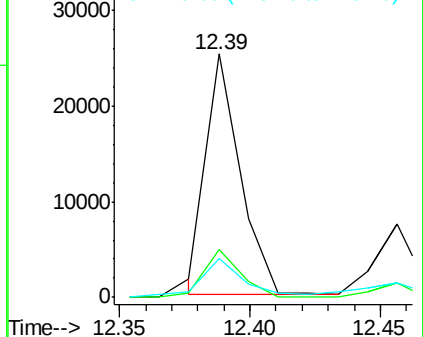
#71
 Anthracene
 Concen: 4.20 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.07 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB05B

Tgt Ion:178 Resp: 22780
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.8 22.2
 179 15.8 12.4 18.6

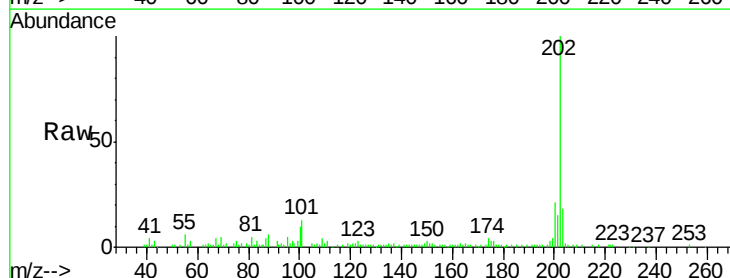


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

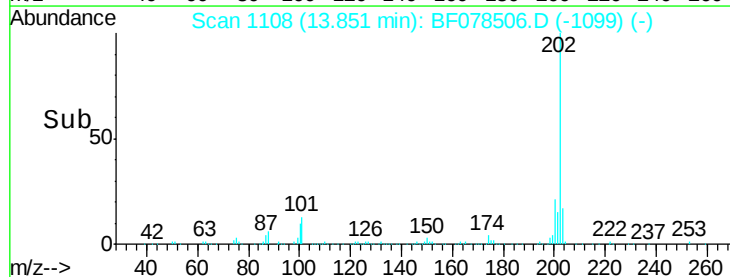
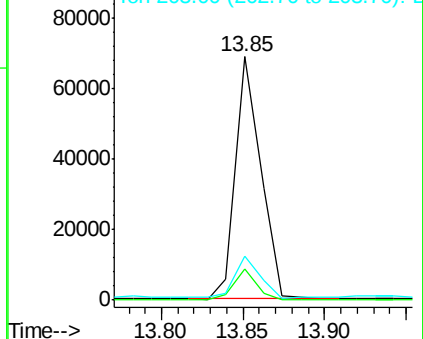


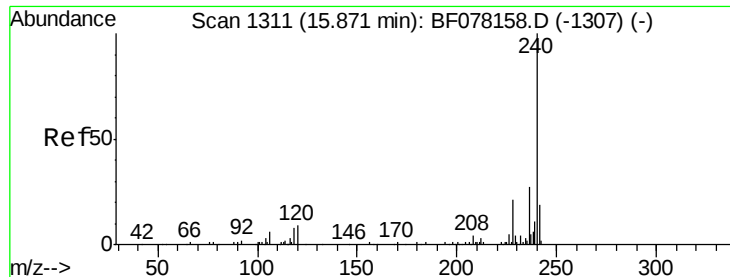
#74
 Fluoranthene
 Concen: 12.63 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: BF078506.D
 Acq: 14 Apr 2015 18:33

Tgt Ion:202 Resp: 73333
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 35.2
 203 18.1 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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

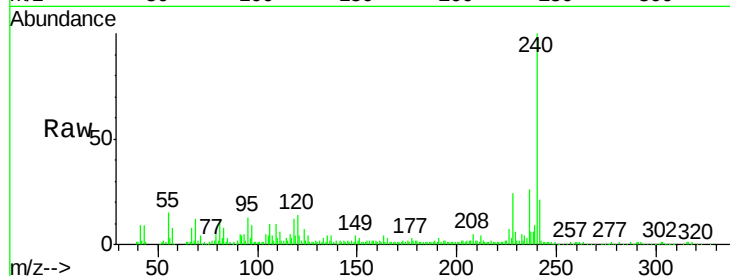
Tgt Ion:240 Resp: 107976

Ion Ratio Lower Upper

240 100

120 14.4 7.1 10.7#

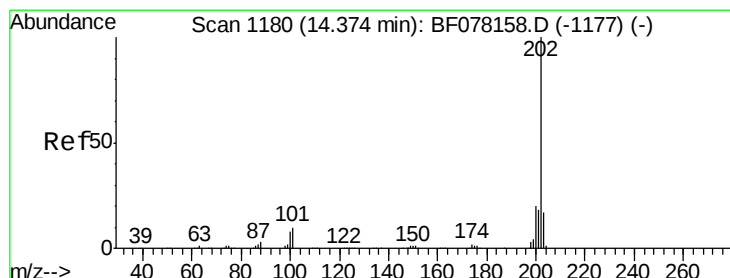
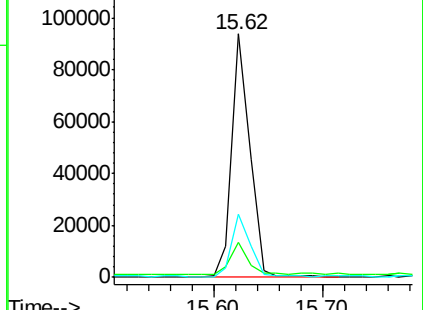
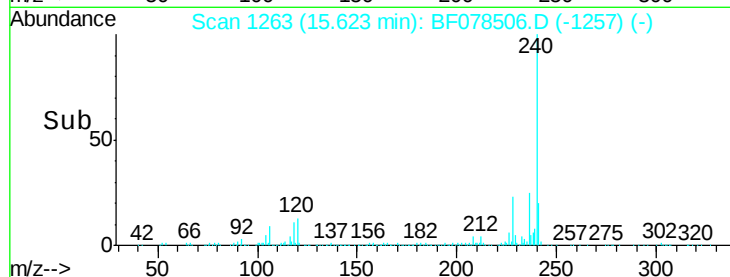
236 25.8 21.4 32.2



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: 11.37 ng

RT: 14.13 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

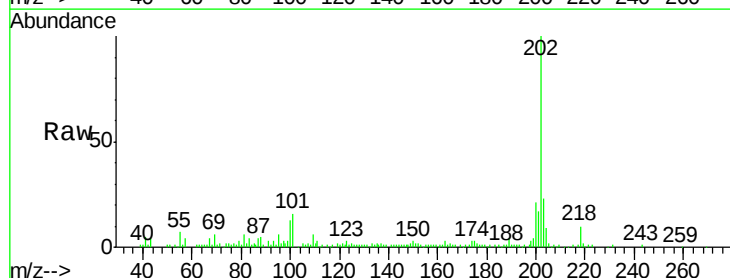
Tgt Ion:202 Resp: 77070

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

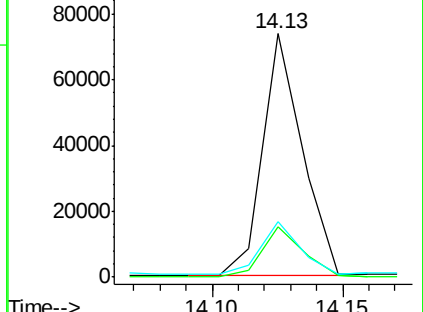
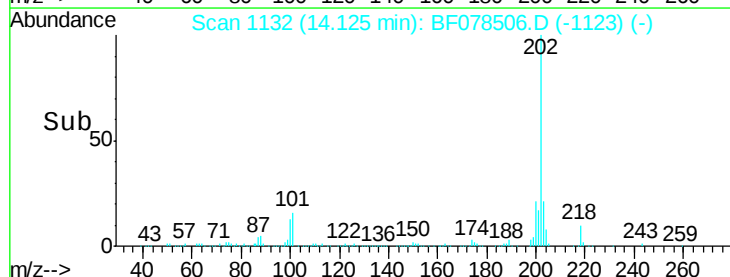
203 22.6 13.8 20.6#

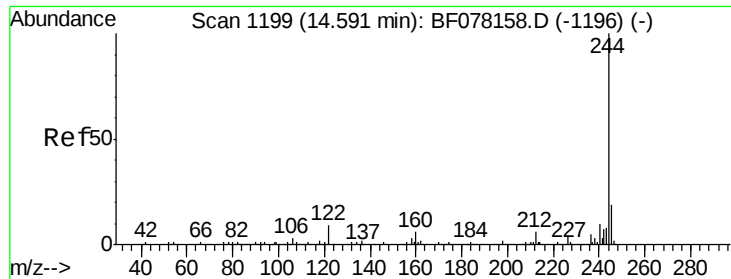


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.13 ng

RT: 14.35 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

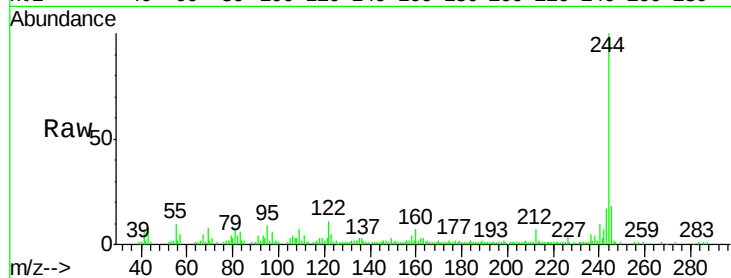
Tgt Ion:244 Resp: 62756

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

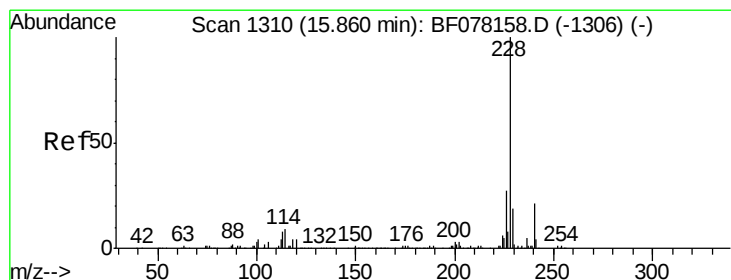
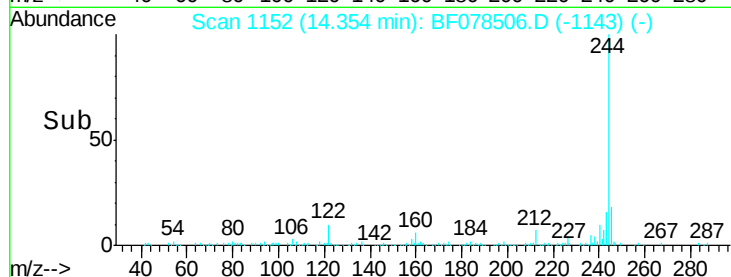
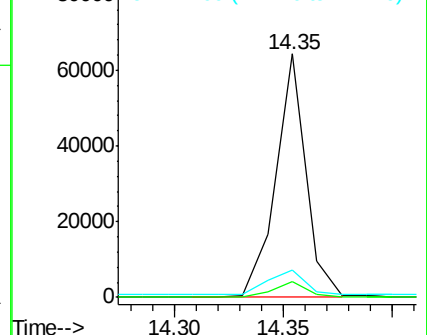
122 11.4 7.1 10.7#



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: 8.67 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

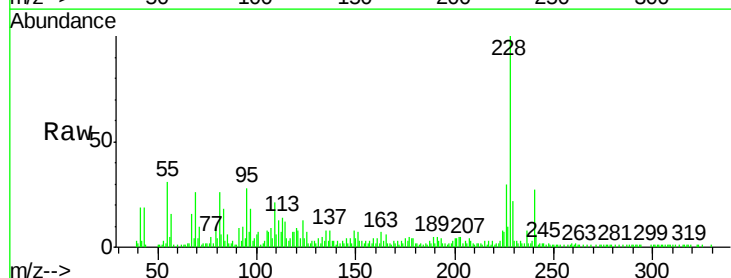
Tgt Ion:228 Resp: 55712

Ion Ratio Lower Upper

228 100

226 29.9 21.3 31.9

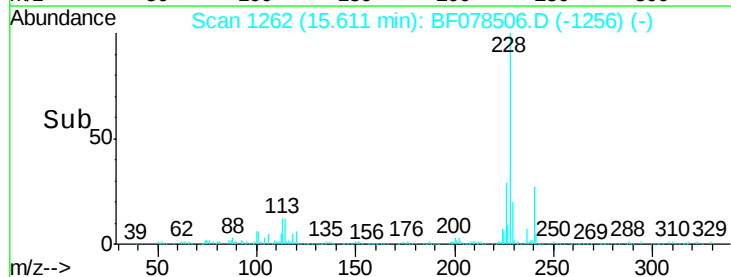
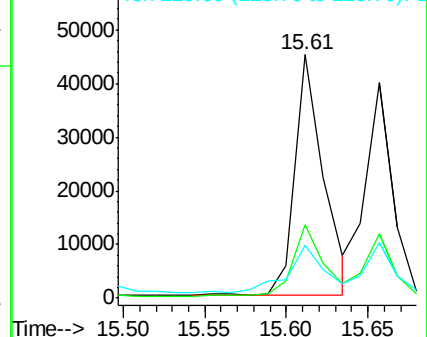
229 21.9 15.4 23.2

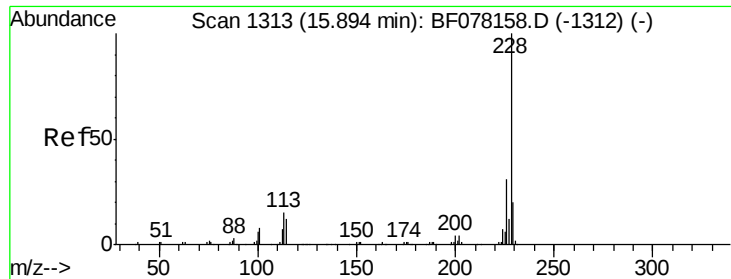


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

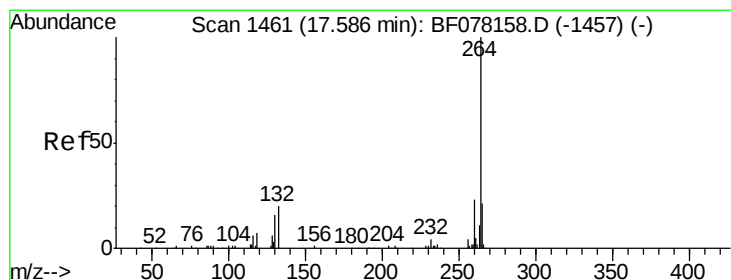
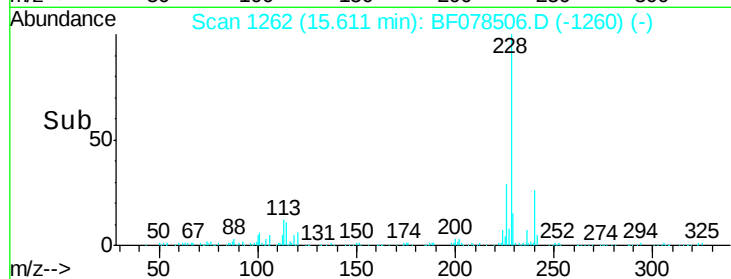
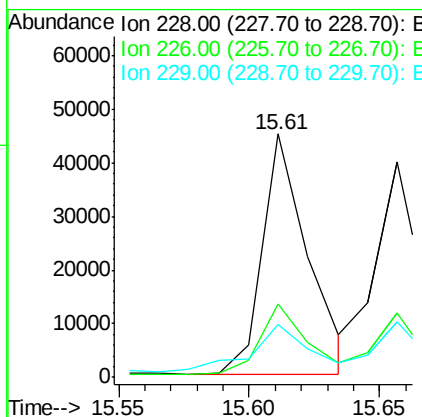
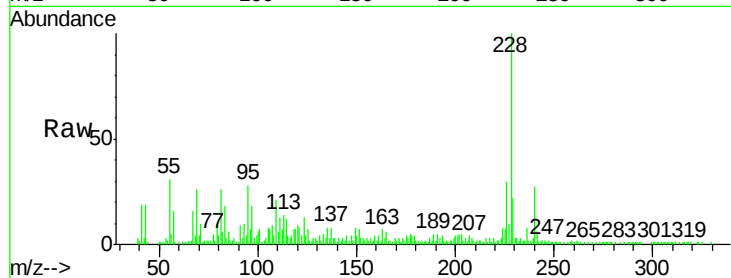




#82
Chrysene
Concen: 9.02 ng
RT: 15.61 min Scan# 1262
Delta R.T. -0.08 min
Lab File: BF078506.D
Acq: 14 Apr 2015 18:33

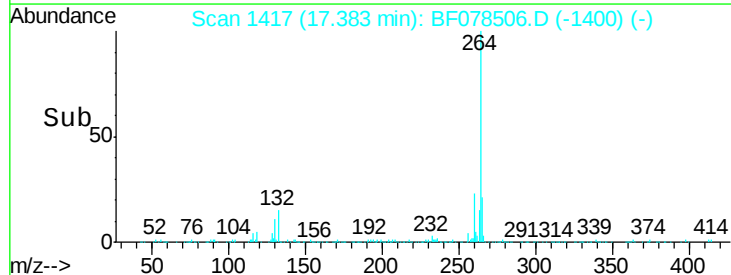
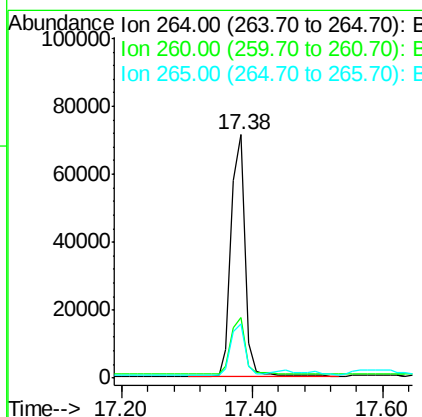
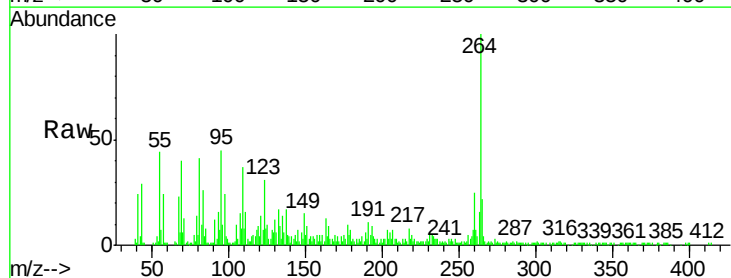
Instrument :
BNA_F
ClientSampleId :
HS-SB05B

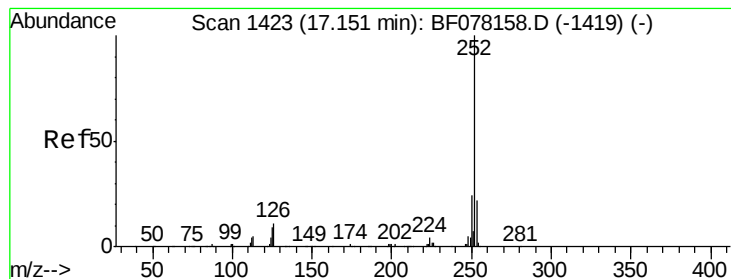
Tgt Ion: 228 Resp: 54457
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 21.9 15.8 23.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.38 min Scan# 1417
Delta R.T. -0.10 min
Lab File: BF078506.D
Acq: 14 Apr 2015 18:33

Tgt Ion: 264 Resp: 105593
Ion Ratio Lower Upper
264 100
260 25.0 18.6 27.8
265 22.5 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 16.16 ng

RT: 16.93 min Scan# 1377

Delta R.T. -0.09 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

HS-SB05B

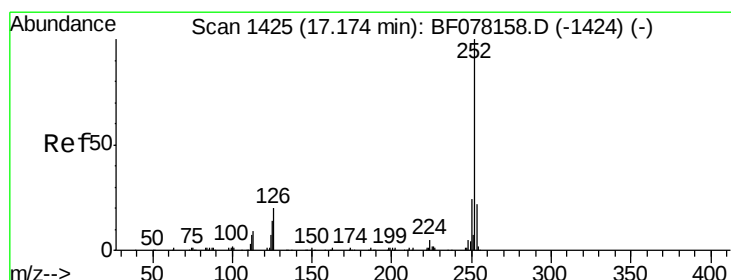
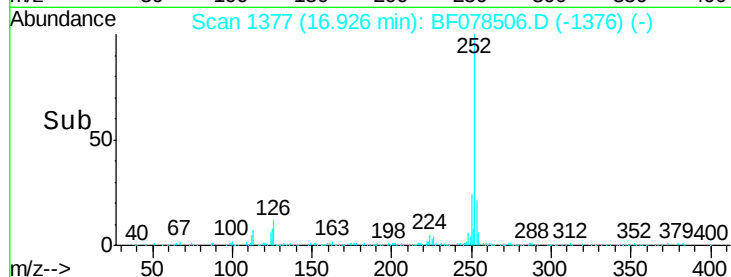
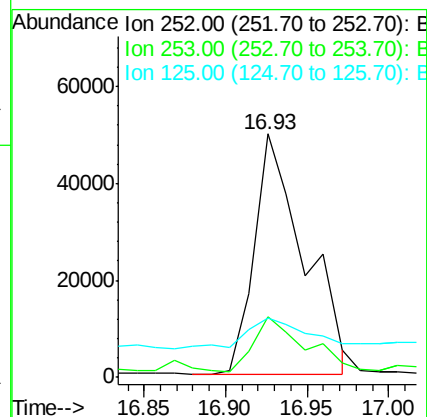
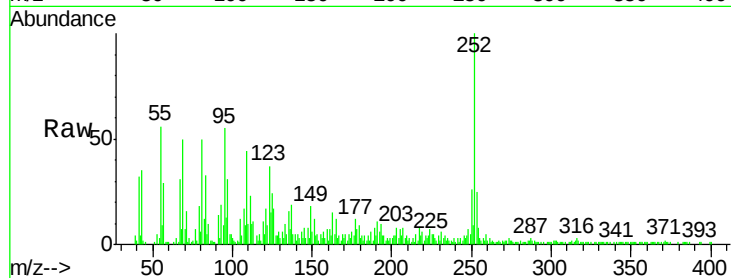
Tgt Ion:252 Resp: 105448

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

125 24.5 7.0 10.4#



#88

Benzo(k)fluoranthene

Concen: 18.38 ng

RT: 16.93 min Scan# 1377

Delta R.T. -0.13 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

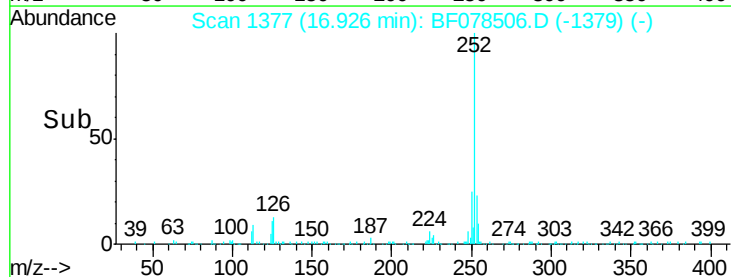
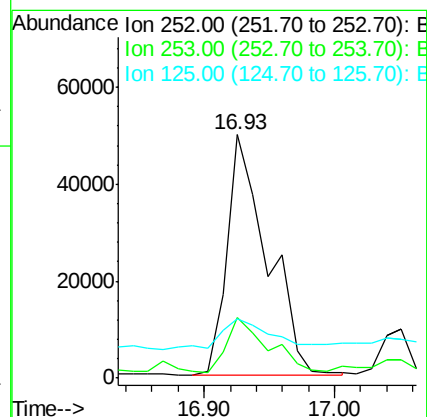
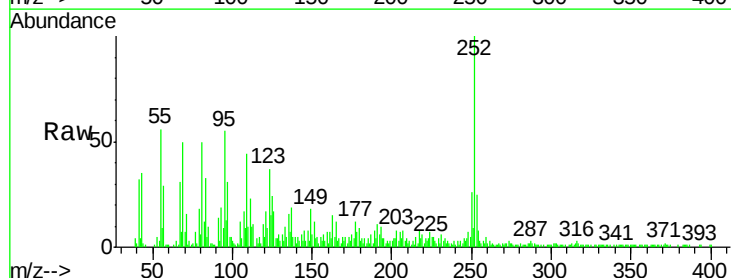
Tgt Ion:252 Resp: 106596

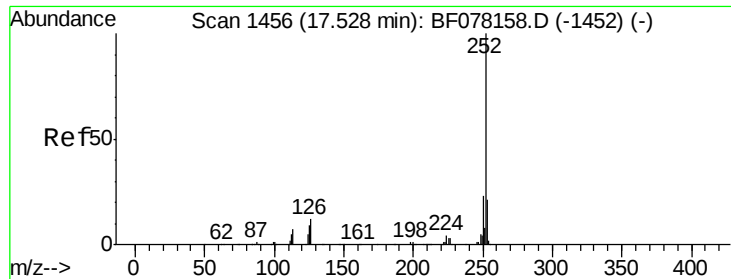
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 24.5 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 11.33 ng

RT: 17.31 min Scan# 1411

Delta R.T. -0.10 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

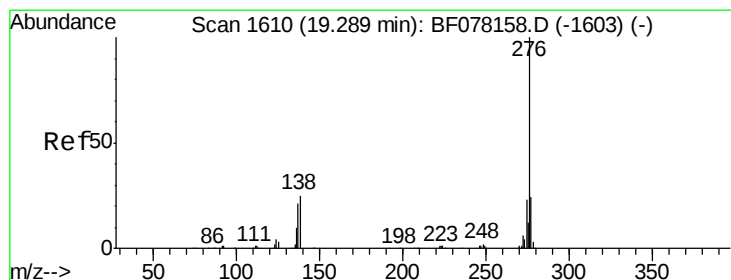
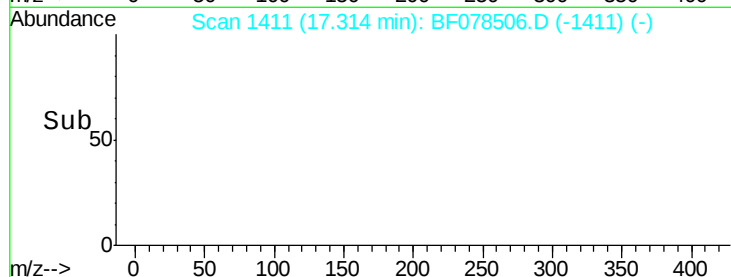
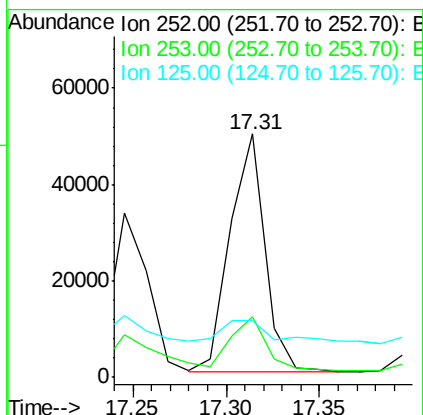
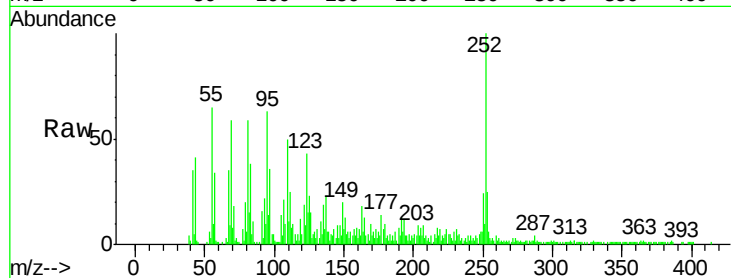
Instrument :

BNA_F

ClientSampleId :

HS-SB05B

Tgt Ion:	252	Resp:	64539
Ion Ratio	Lower	Upper	
252	100		
253	24.8	16.8	25.2
125	23.1	7.4	11.0#



#91

Benzo(g,h,i)perylene

Concen: 9.32 ng

RT: 18.98 min Scan# 1557

Delta R.T. -0.17 min

Lab File: BF078506.D

Acq: 14 Apr 2015 18:33

Tgt Ion:	276	Resp:	53289
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	28.1	19.9	29.9

