

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078670.D
 Acq On : 21 Apr 2015 6:25
 Operator : TP/IZ
 Sample : G1943-04 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

Quant Time: Apr 21 07:11:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 03:43:19 2015
 Response via : Initial Calibration

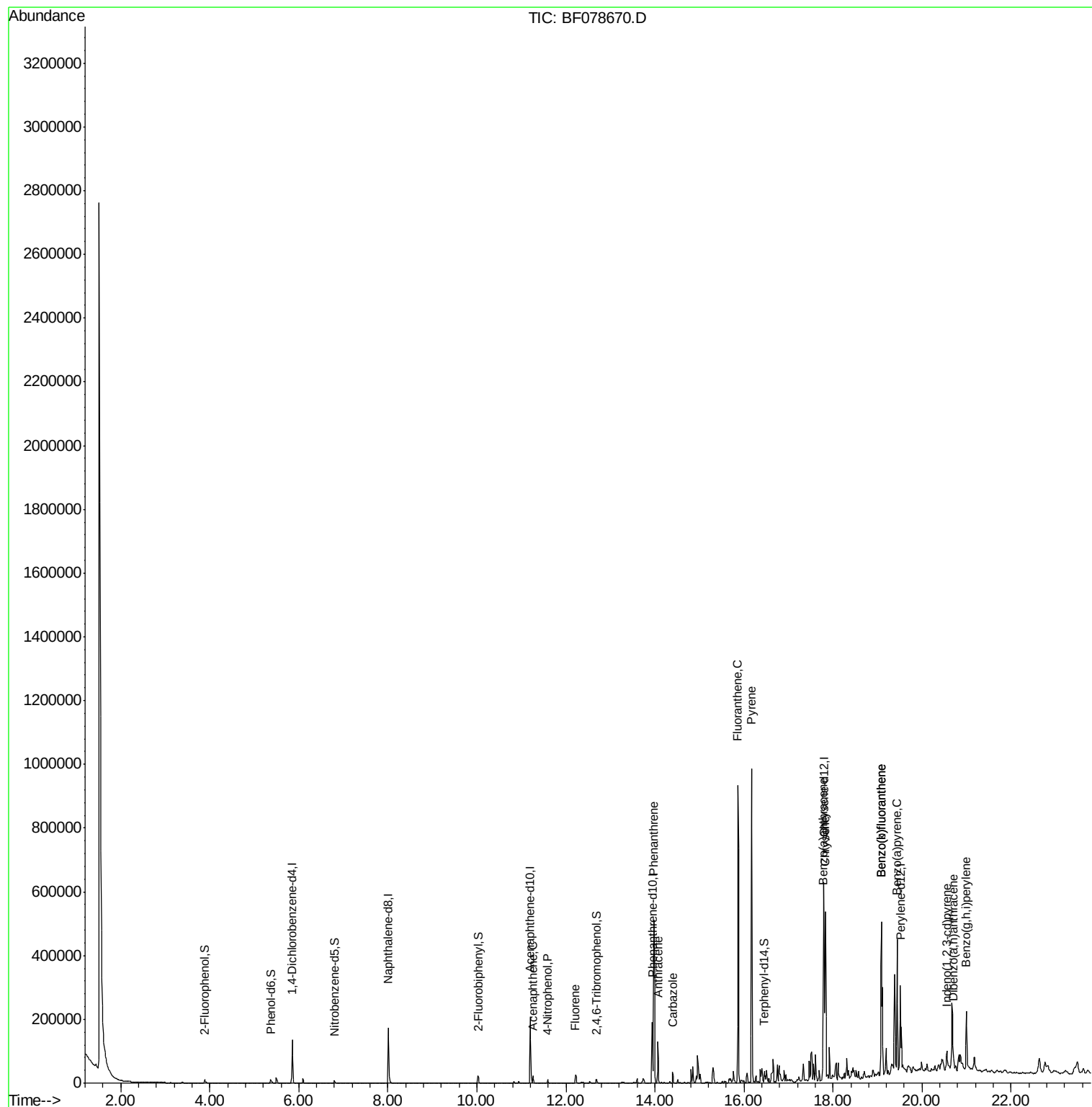
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	30936	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	128380	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	63691	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	127125	20.00	ng	0.00
75) Chrysene-d12	17.79	240	127590	20.00	ng	-0.01
86) Perylene-d12	19.51	264	128261	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	6511	3.47	ng	0.01
7) Phenol-d6	5.37	99	9010	3.83	ng	0.01
23) Nitrobenzene-d5	6.80	82	5320	2.51	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	1795	3.40	ng	0.00
44) 2-Fluorobiphenyl	10.02	172	14371	3.23	ng	-0.01
78) Terphenyl-d14	16.46	244	17148	3.04	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	11.26	154	8703	2.34	ng	98
55) 4-Nitrophenol	11.59	139	2766	6.00	ng	# 18
57) Fluorene	12.22	166	13767	2.98	ng	100
70) Phenanthrene	13.98	178	301148	40.95	ng	99
71) Anthracene	14.07	178	81754	11.28	ng	99
72) Carbazole	14.40	167	24018	3.54	ng	98
74) Fluoranthene	15.86	202	579645	74.74	ng	98
77) Pyrene	16.17	202	535330	66.84	ng	# 94
80) Benzo(a)anthracene	17.78	228	267259	35.21	ng	97
82) Chrysene	17.83	228	216664	30.38	ng	99
85) Indeno(1,2,3-cd)pyrene	20.56	276	26627	3.29	ng	93
87) Benzo(b)fluoranthene	19.09	252	381561	48.13	ng	# 97
88) Benzo(k)fluoranthene	19.09	252	380068	53.95	ng	# 96
89) Benzo(a)pyrene	19.44	252	194350	28.09	ng	# 94
90) Dibenzo(a,h)anthracene	20.70	278	34231	4.94	ng	91
91) Benzo(g,h,i)perylene	20.99	276	121641	17.52	ng	99

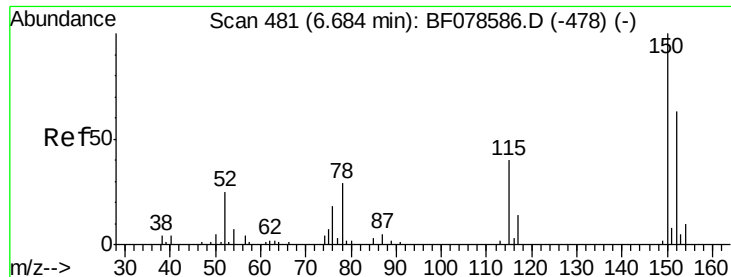
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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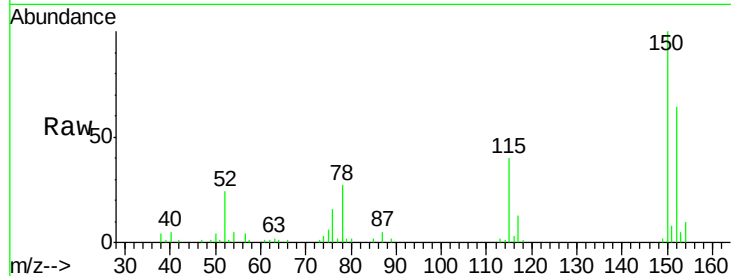




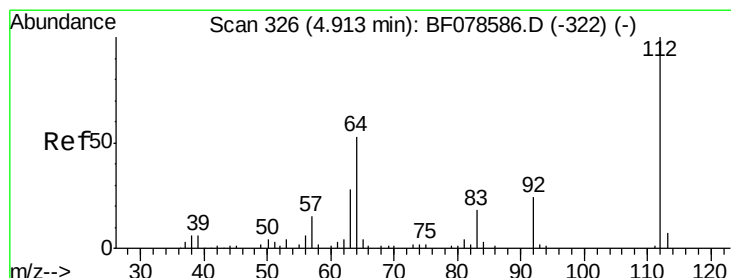
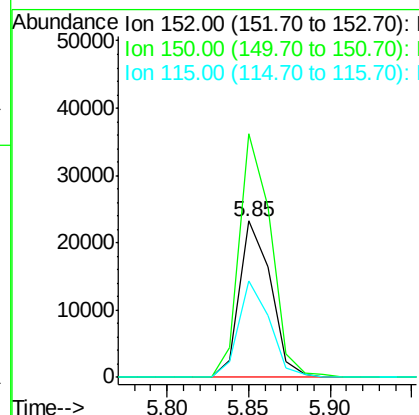
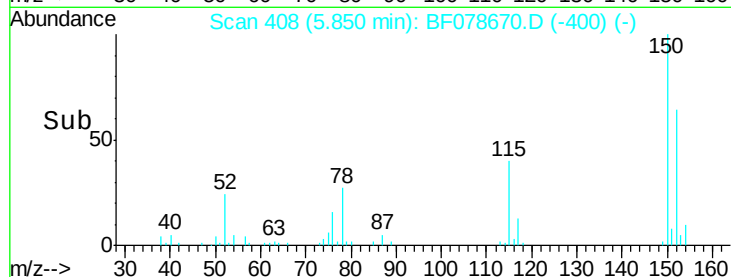
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

Tgt Ion:152 Resp: 30936
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.9 188.9
 115 62.0 52.7 79.1

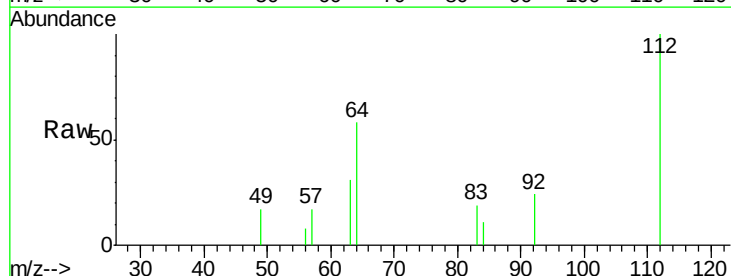


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

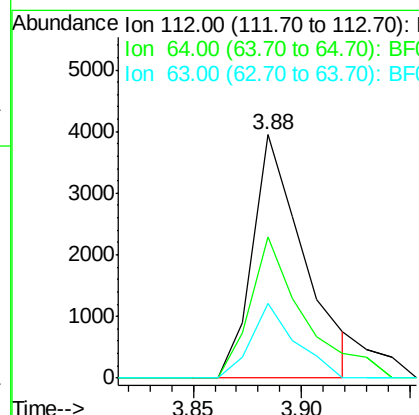
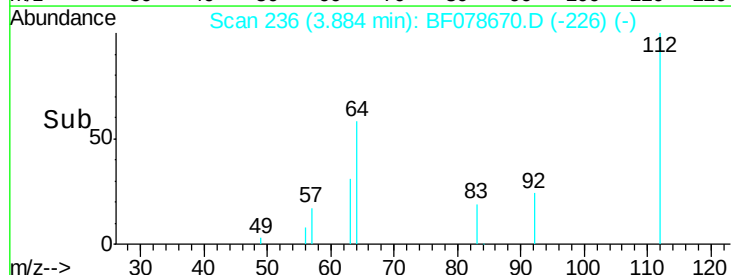


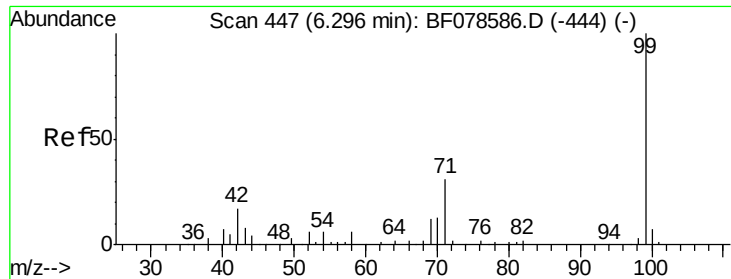
#5
 2-Fluorophenol
 Concen: 3.47 ng
 RT: 3.88 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion:112 Resp: 6511
 Ion Ratio Lower Upper
 112 100
 64 58.2 39.9 59.9
 63 30.8 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: 3.83 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

ClientSampleId :

SP-B-1

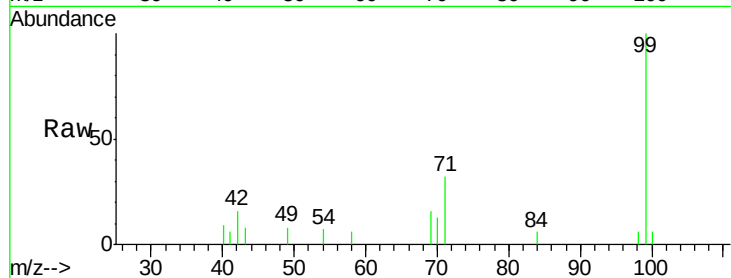
Tgt Ion: 99 Resp: 9010

Ion Ratio Lower Upper

99 100

42 15.7 14.8 22.2

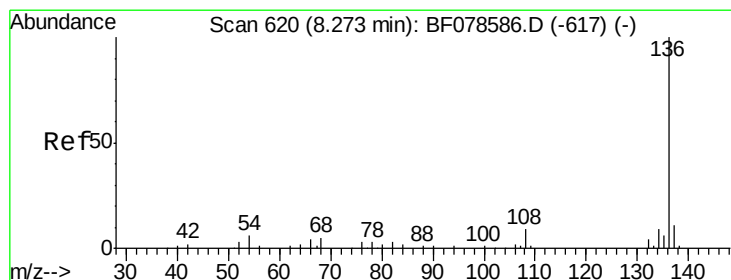
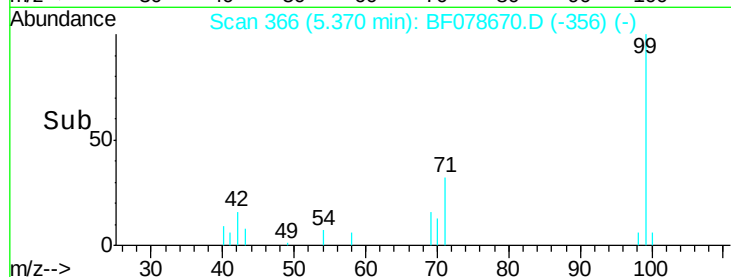
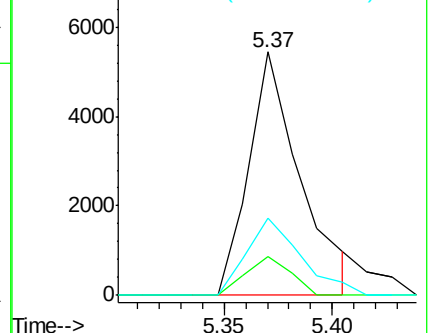
71 31.6 26.6 39.8



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: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Tgt Ion: 136 Resp: 128380

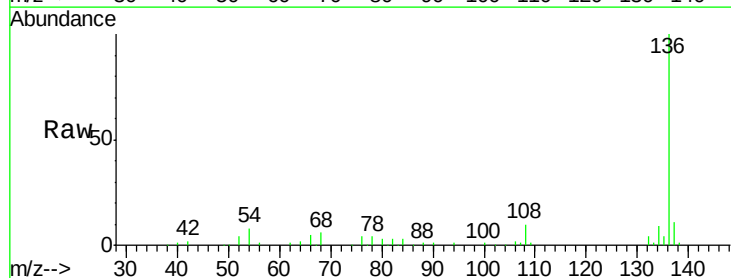
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 8.5 7.0 10.6

68 6.1 5.4 8.2

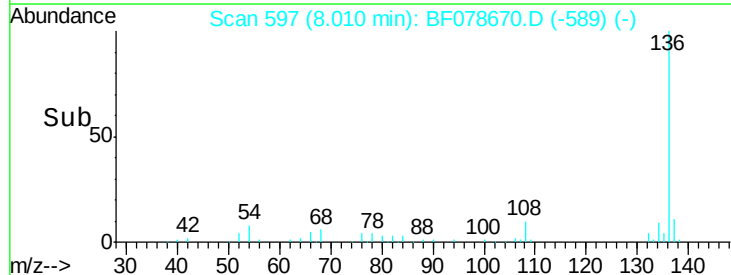
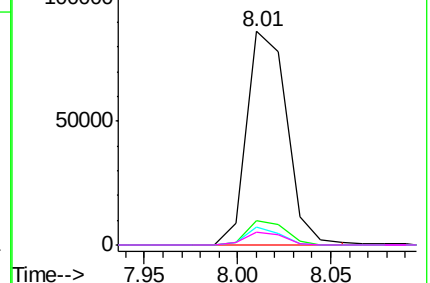


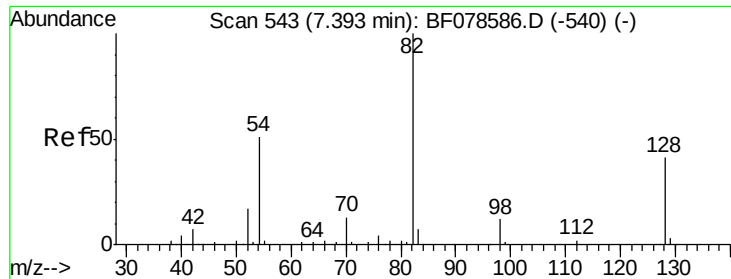
Abundance Ion 136.00 (135.70 to 136.70): E

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

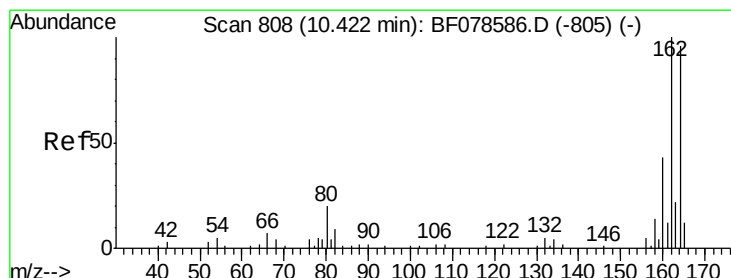
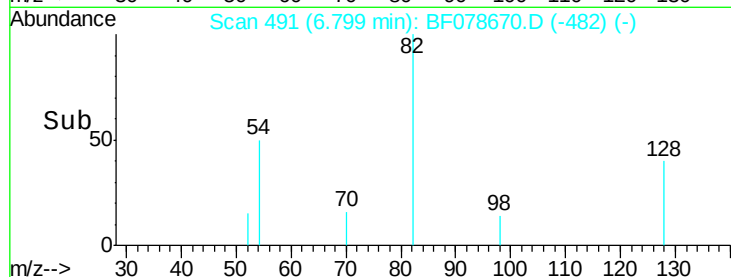
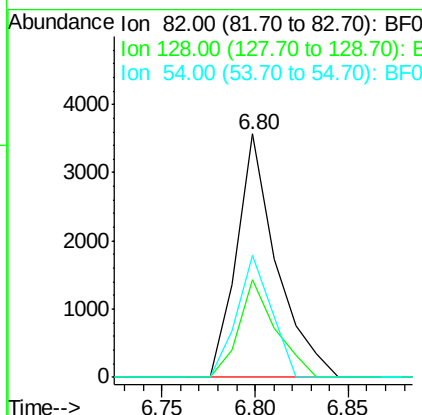
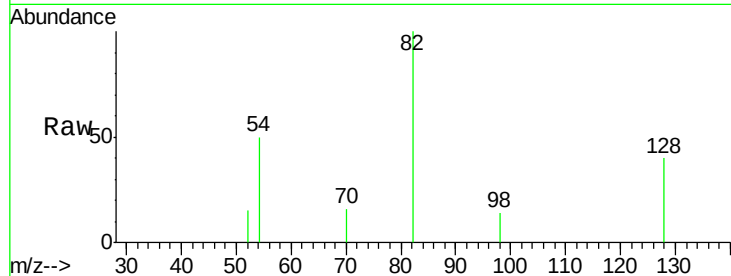




#23
 Nitrobenzene-d5
 Concen: 2.51 ng
 RT: 6.80 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

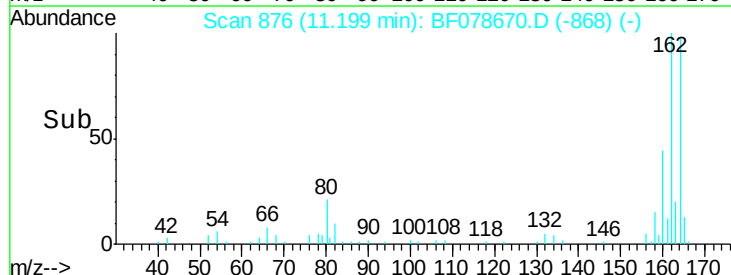
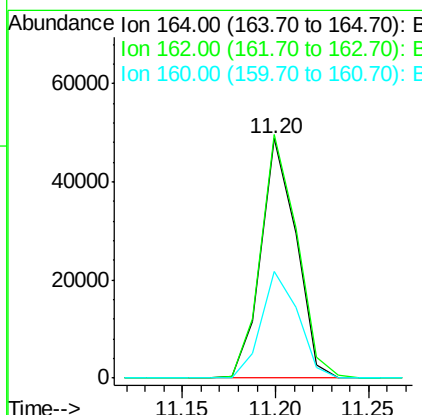
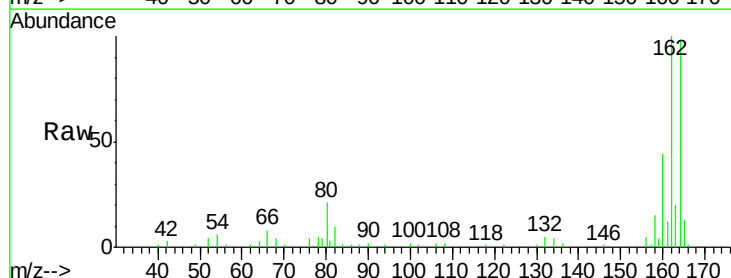
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

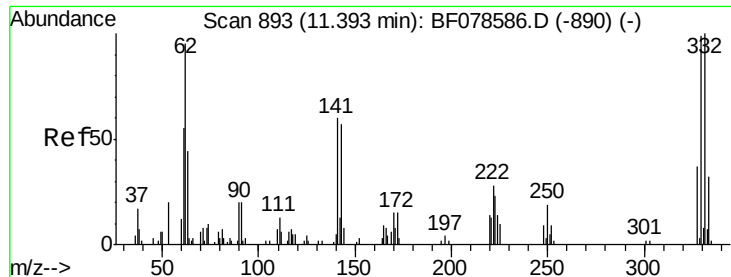
Tgt Ion: 82 Resp: 5320
 Ion Ratio Lower Upper
 82 100
 128 40.1 31.8 47.8
 54 50.1 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion: 164 Resp: 63691
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.2 123.2
 160 44.8 34.7 52.1

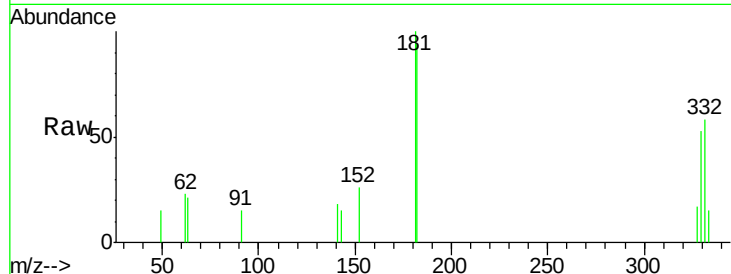




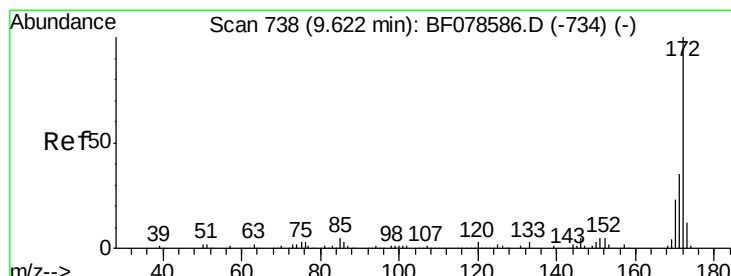
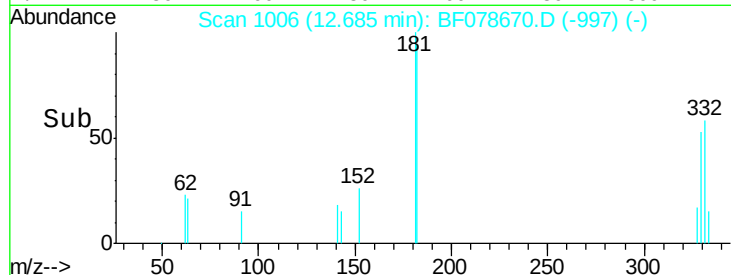
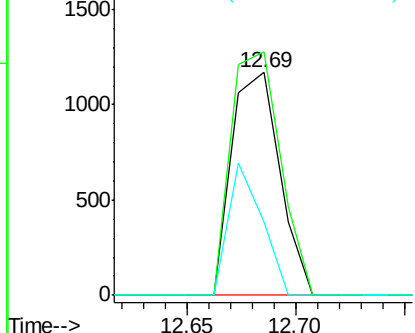
#41
 2,4,6-Tribromophenol
 Concen: 3.40 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

Tgt Ion: 330 Resp: 1795
 Ion Ratio Lower Upper
 330 100
 332 112.9 78.6 117.8
 141 41.2 31.2 46.8

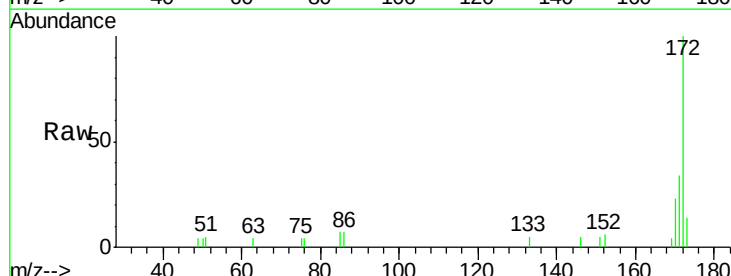


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

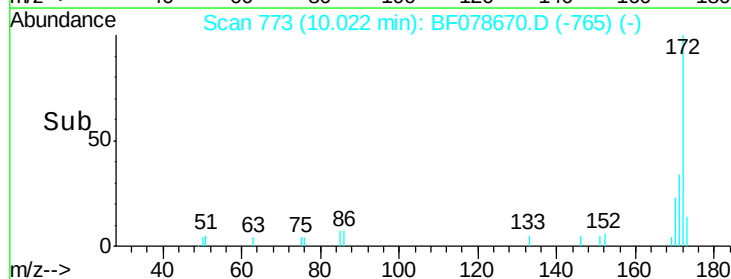
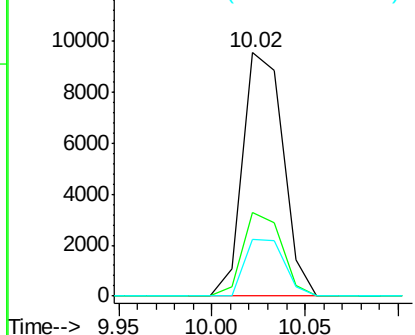


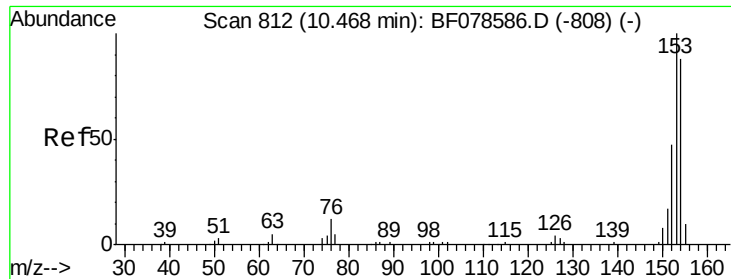
#44
 2-Fluorobiphenyl
 Concen: 3.23 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion: 172 Resp: 14371
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 42.8
 170 23.2 18.5 27.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.34 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

ClientSampleId :

SP-B-1

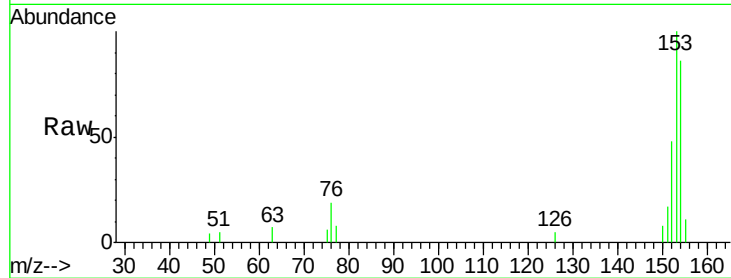
Tgt Ion:154 Resp: 8703

Ion Ratio Lower Upper

154 100

153 116.8 91.4 137.2

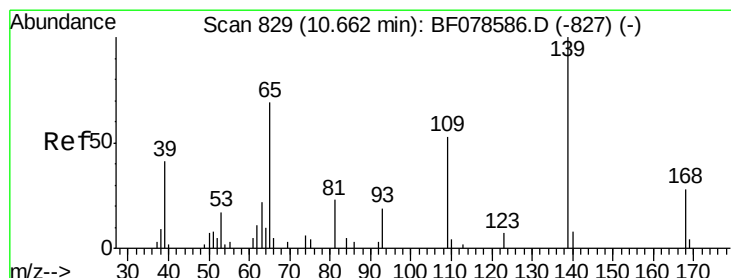
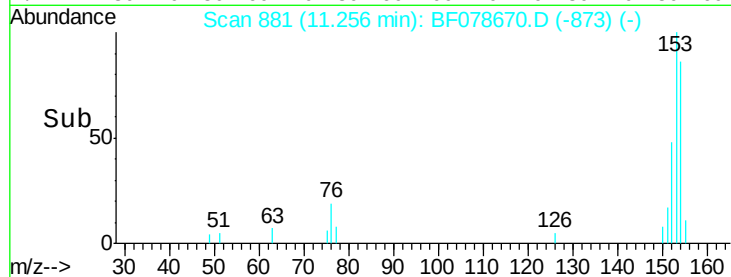
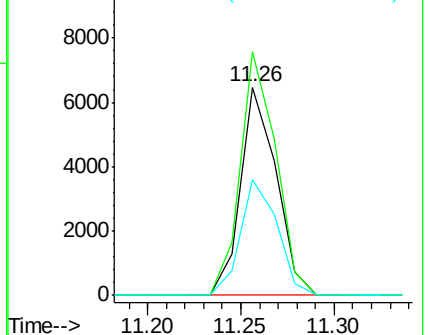
152 55.6 43.0 64.6



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



#55

4-Nitrophenol

Concen: 6.00 ng

RT: 11.59 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

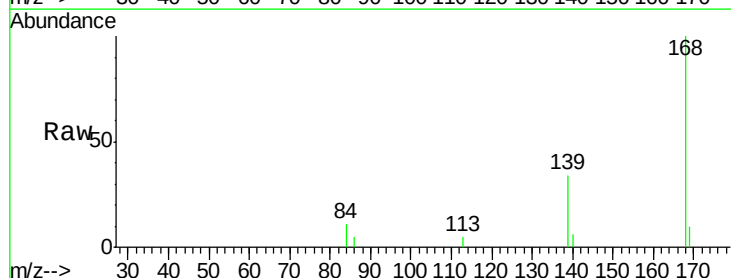
Tgt Ion:139 Resp: 2766

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

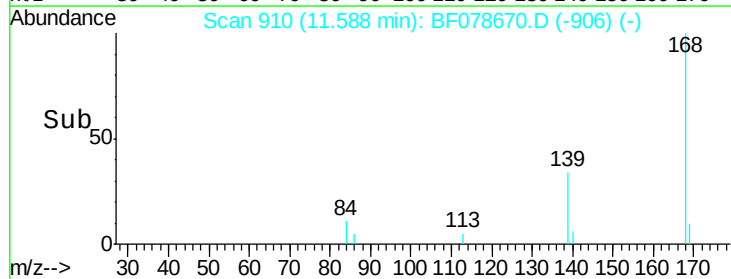
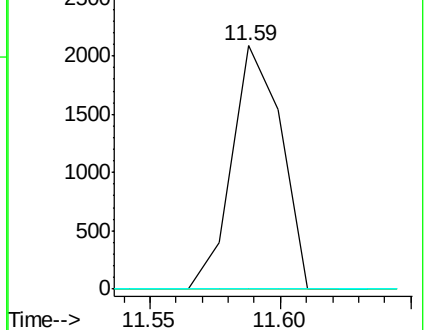
65 0.0 49.9 89.9#

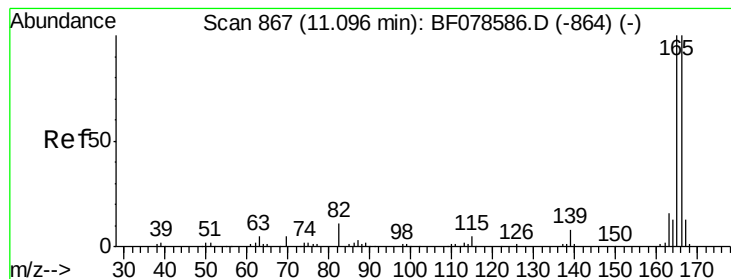


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 2.98 ng

RT: 12.22 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF078670.D

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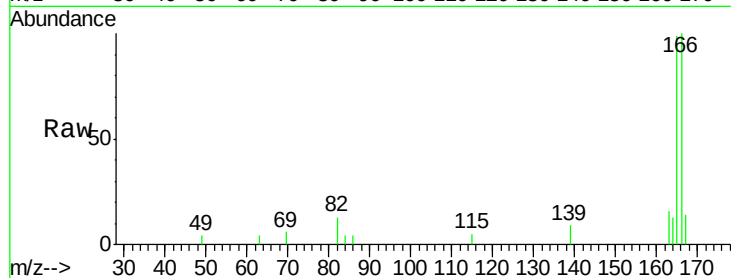
Tgt Ion:166 Resp: 13767

Ion Ratio Lower Upper

166 100

165 99.0 78.9 118.3

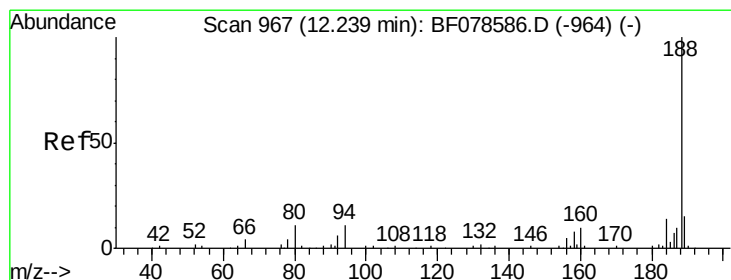
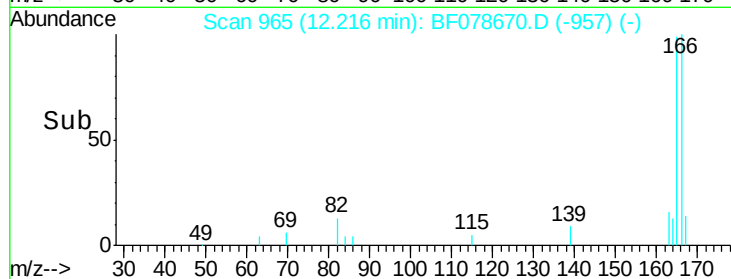
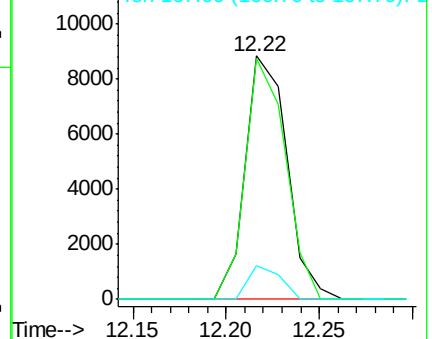
167 13.7 10.7 16.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.94 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

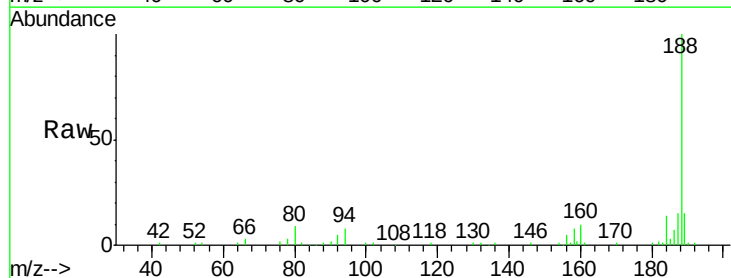
Tgt Ion:188 Resp: 127125

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

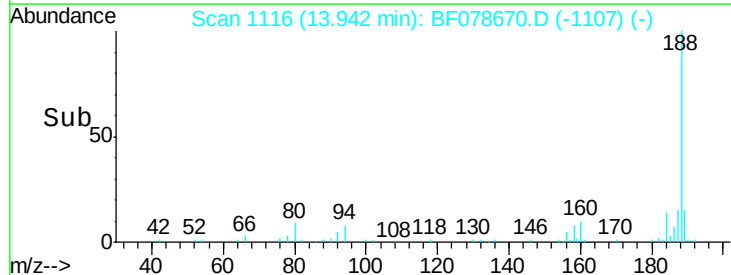
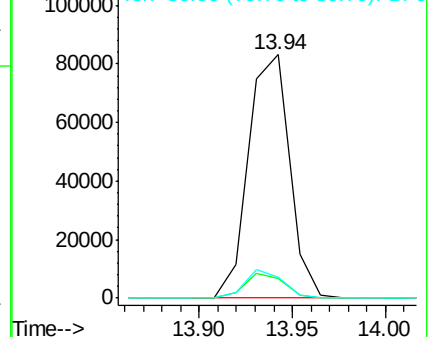
80 8.6 9.5 14.3#

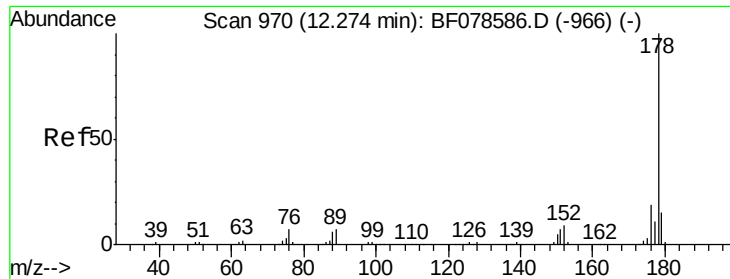


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 40.95 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF078670.D

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SP-B-1

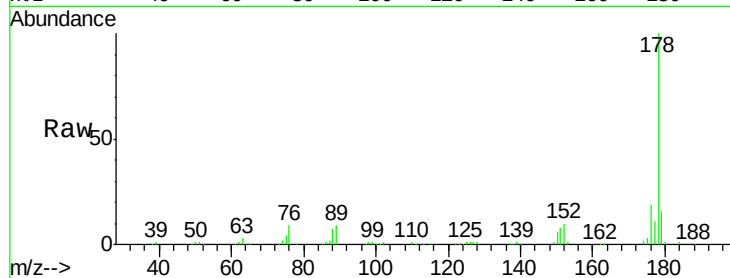
Tgt Ion:178 Resp: 301148

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

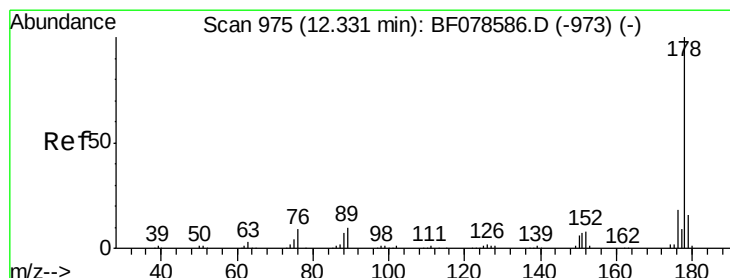
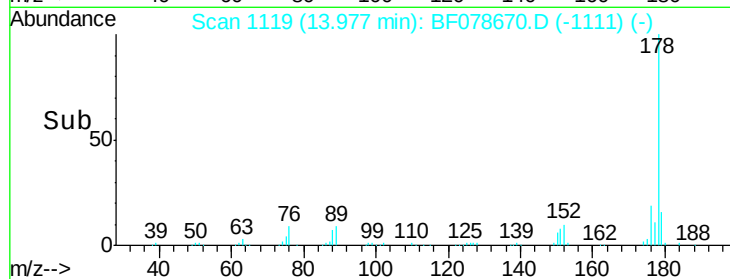
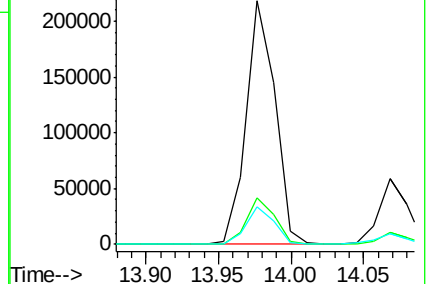
179 15.5 12.2 18.2



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: 11.28 ng

RT: 14.07 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

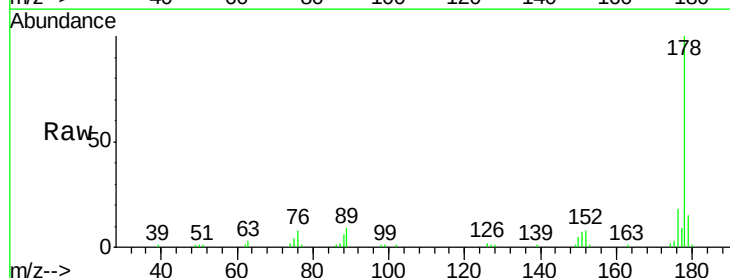
Tgt Ion:178 Resp: 81754

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

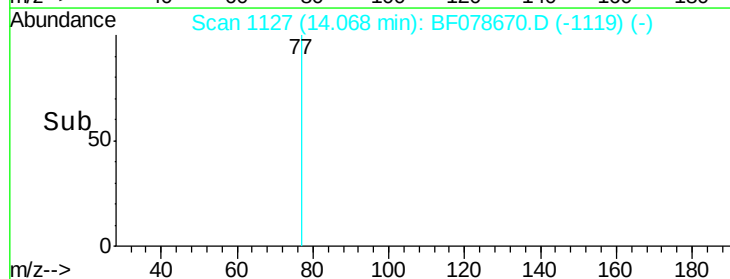
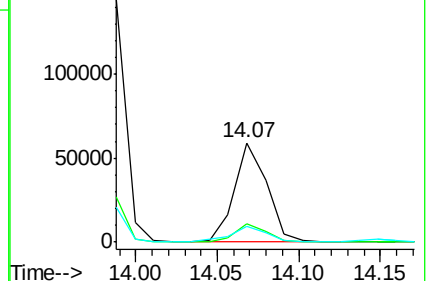
179 15.5 12.4 18.6

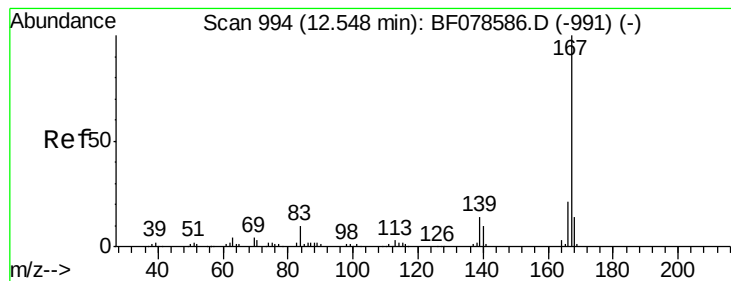


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.54 ng

RT: 14.40 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

ClientSampleId :

SP-B-1

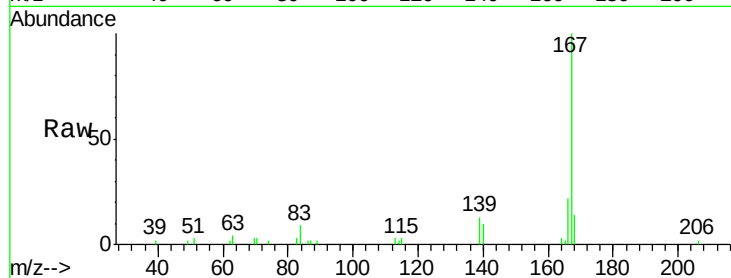
Tgt Ion:167 Resp: 24018

Ion Ratio Lower Upper

167 100

166 22.3 16.8 25.2

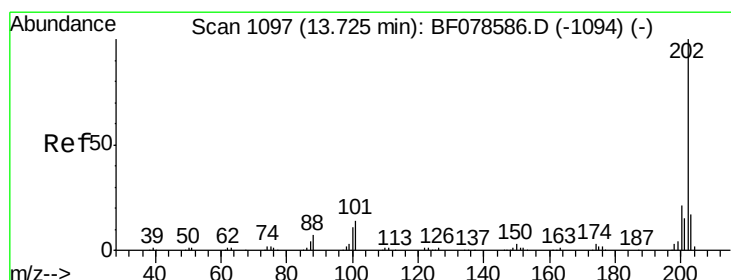
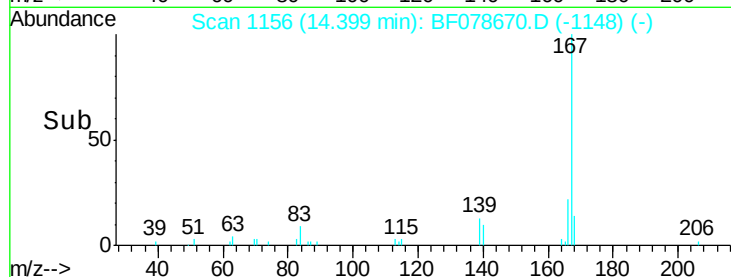
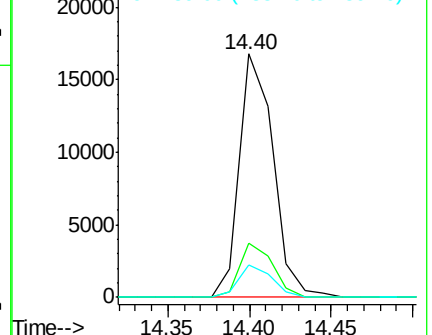
139 13.3 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 74.74 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

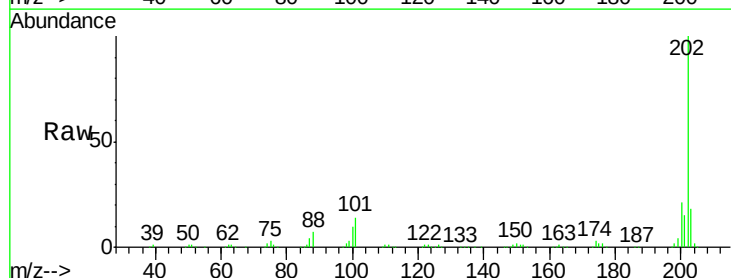
Tgt Ion:202 Resp: 579645

Ion Ratio Lower Upper

202 100

101 13.7 0.0 35.2

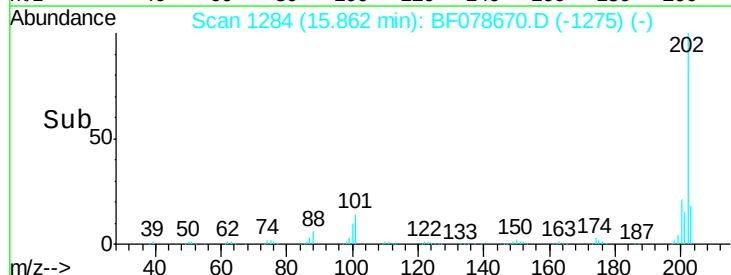
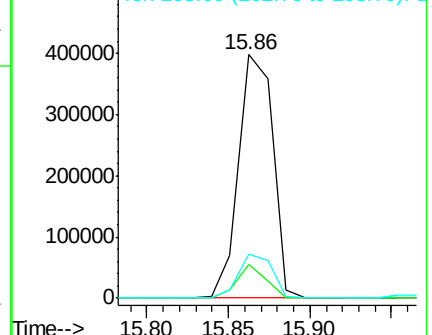
203 18.0 0.0 38.5

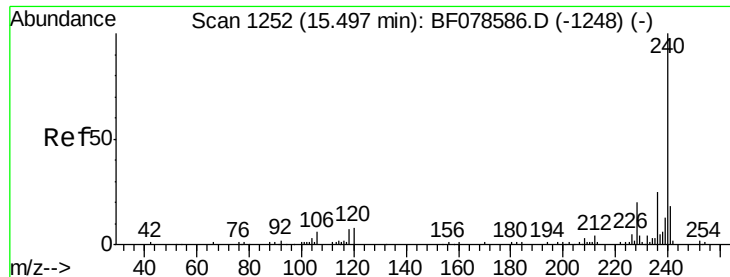


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

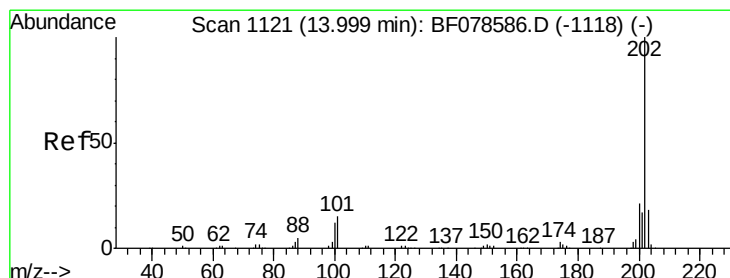
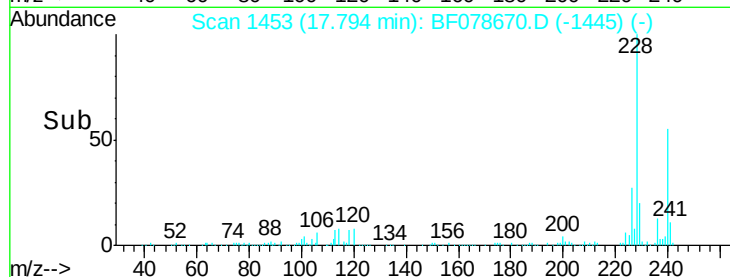
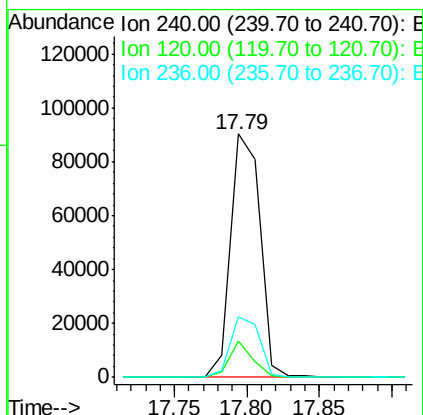
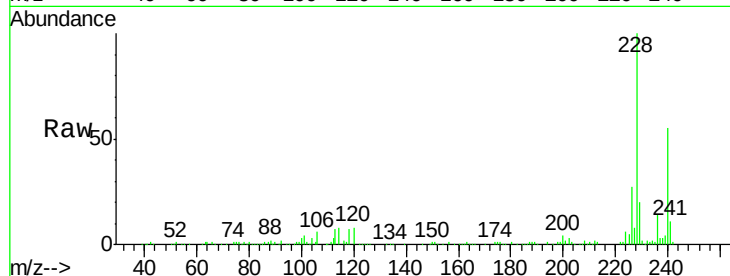




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.79 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

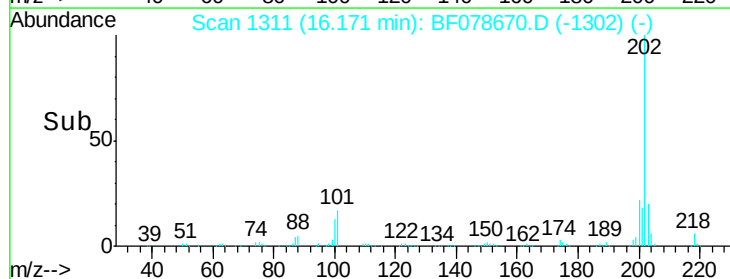
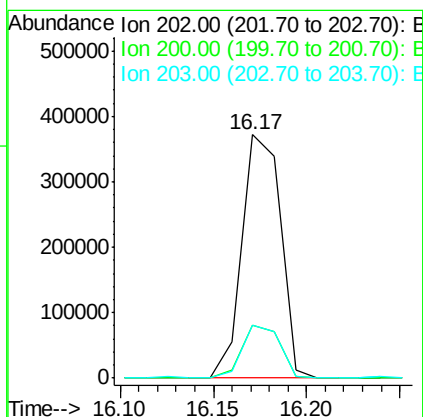
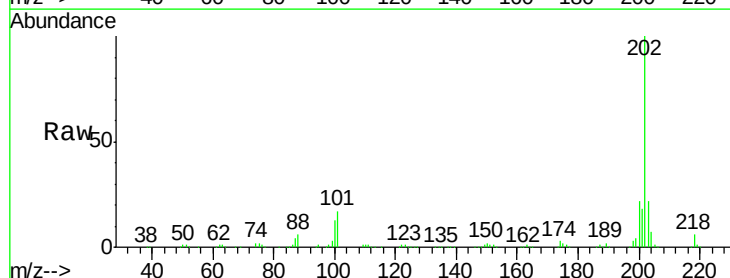
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

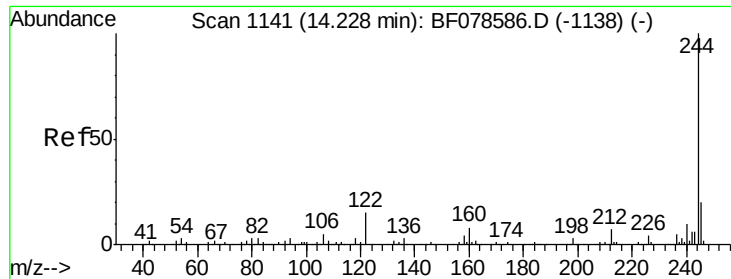
Tgt Ion:240 Resp: 127590
 Ion Ratio Lower Upper
 240 100
 120 14.9 7.1 10.7#
 236 25.0 21.4 32.2



#77
 Pyrene
 Concen: 66.84 ng
 RT: 16.17 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion:202 Resp: 535330
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.3 24.5
 203 21.8 13.8 20.6#





#78

Terphenyl-d14

Concen: 3.04 ng

RT: 16.46 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

ClientSampleId :

SP-B-1

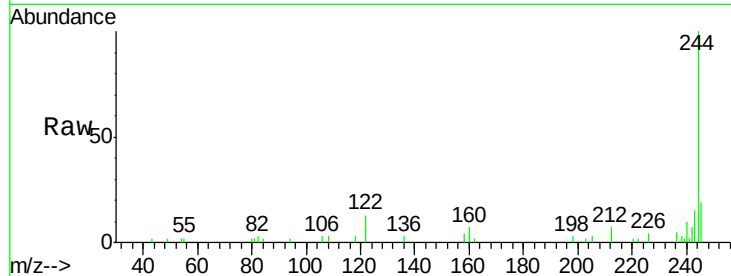
Tgt Ion:244 Resp: 17148

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

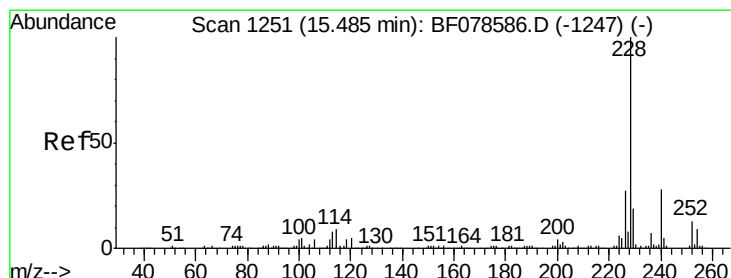
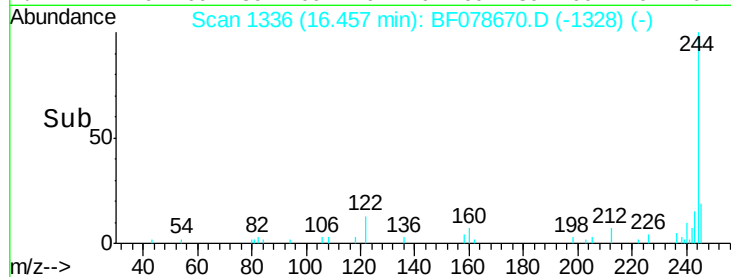
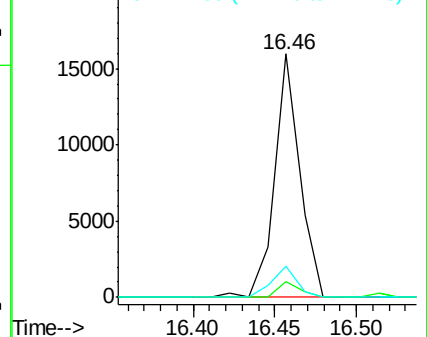
122 12.8 7.1 10.7#



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: 35.21 ng

RT: 17.78 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

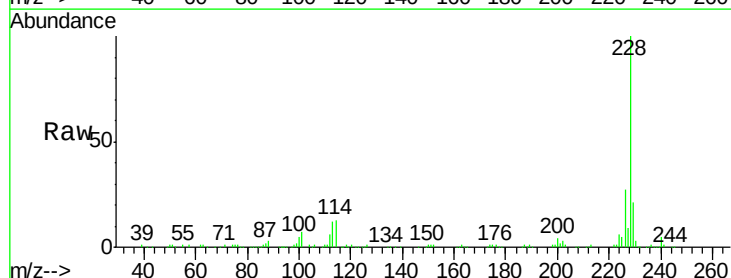
Tgt Ion:228 Resp: 267259

Ion Ratio Lower Upper

228 100

226 27.5 21.3 31.9

229 21.3 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

