

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030915\
 Data File : BF077650.D
 Acq On : 9 Mar 2015 20:58
 Operator : TP/IZ
 Sample : G1453-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEP4

Quant Time: Mar 10 00:05:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 00:35:08 2015
 Response via : Initial Calibration

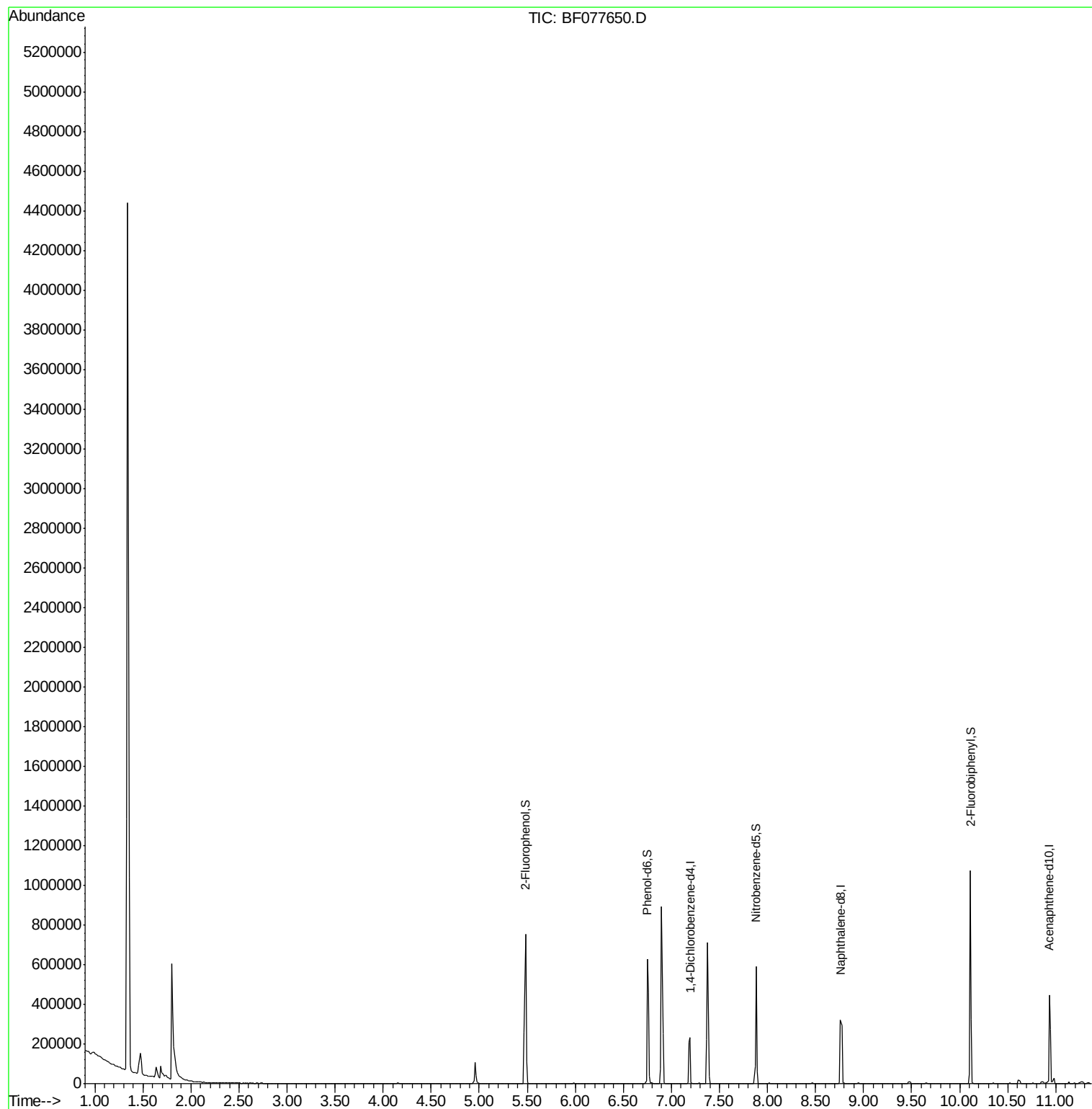
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.19	152	54552	20.00	ng	0.00
21) Naphthalene-d8	8.77	136	219030	20.00	ng	0.00
38) Acenaphthene-d10	10.94	164	113136	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	242496	20.00	ng	0.00
75) Chrysene-d12	16.06	240	249614	20.00	ng	0.00
86) Perylene-d12	17.81	264	246397	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	241068	73.77	ng	0.00
7) Phenol-d6	6.76	99	298155	70.97	ng	0.00
23) Nitrobenzene-d5	7.88	82	178818	50.77	ng	0.00
41) 2,4,6-Tribromophenol	11.92	330	91085	83.61	ng	0.00
44) 2-Fluorobiphenyl	10.11	172	358687	49.43	ng	0.00
78) Terphenyl-d14	14.77	244	427934	40.08	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.80	178	118917	8.46	ng	99
74) Fluoranthene	14.28	202	82634	5.38	ng	99
77) Pyrene	14.56	202	137186	8.98	ng	96
80) Benzo(a)anthracene	16.05	228	57868	3.96	ng	96
82) Chrysene	16.09	228	58855	4.28	ng	97
87) Benzo(b)fluoranthene	17.37	252	61217	4.27	ng	# 91
88) Benzo(k)fluoranthene	17.37	252	59430	4.23	ng	# 94
89) Benzo(a)pyrene	17.74	252	45046	3.30	ng	# 95

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

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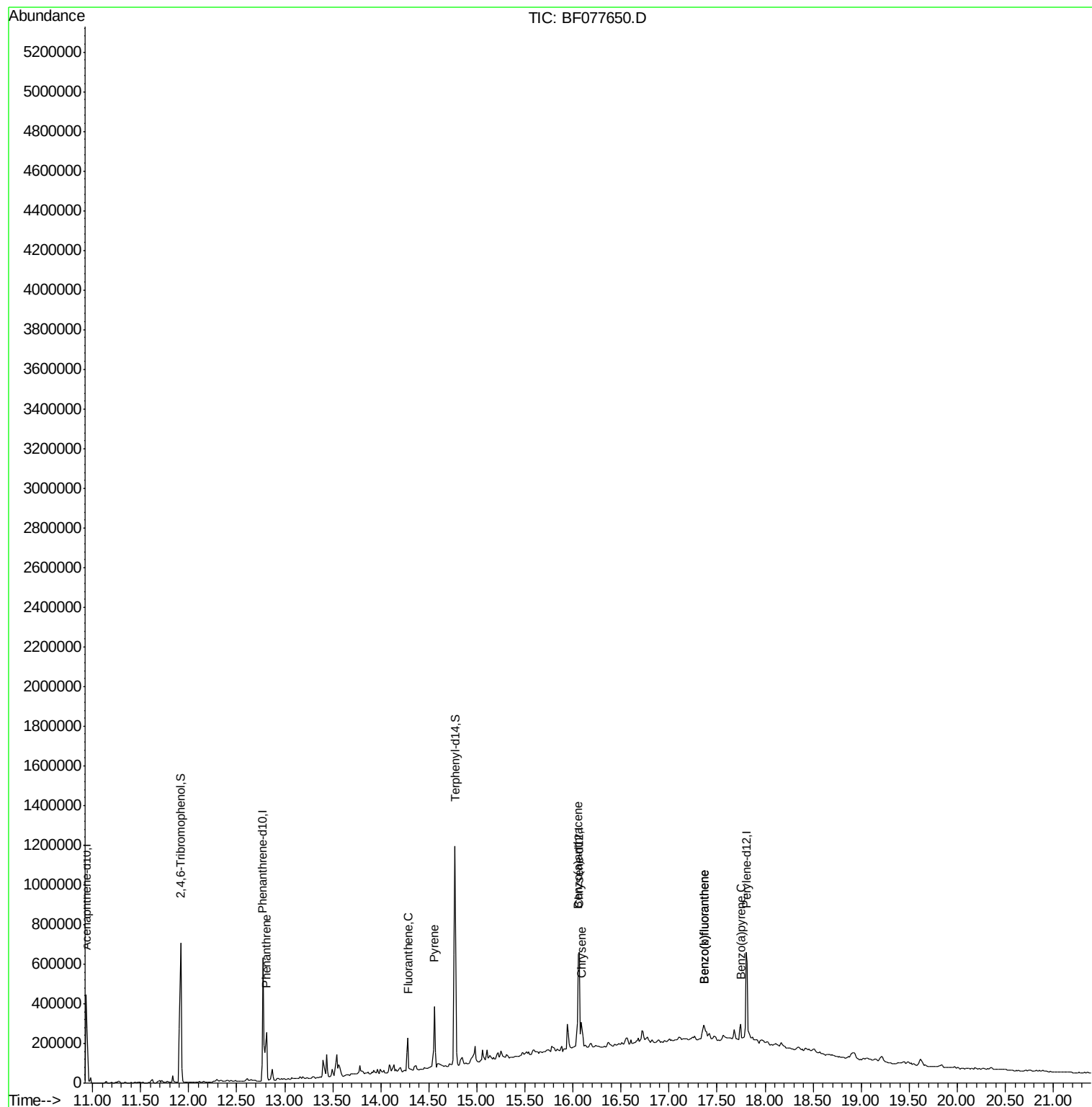
Quant Time: Mar 10 00:05:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

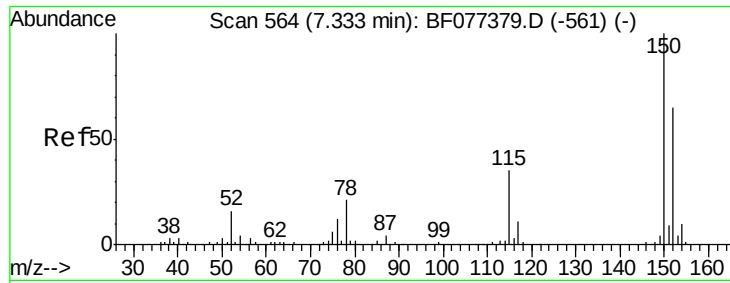


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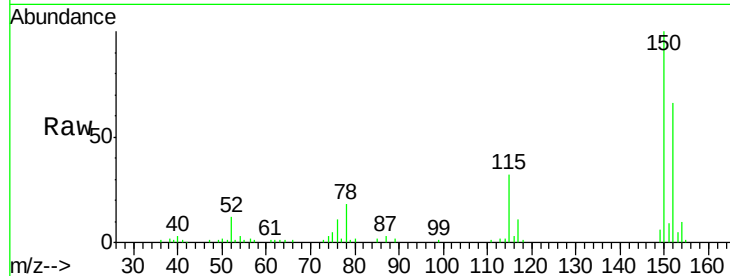


#1

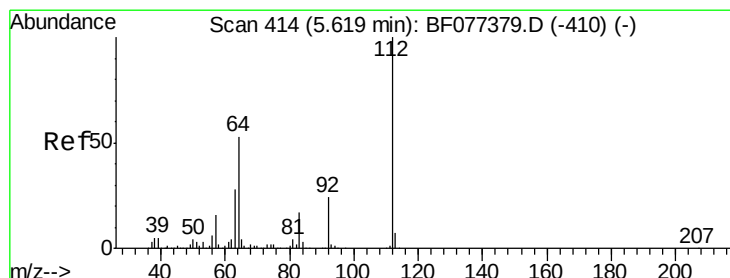
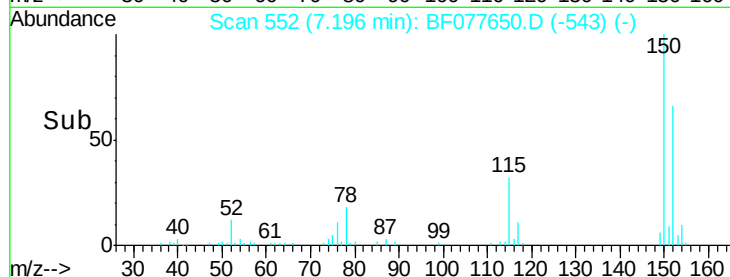
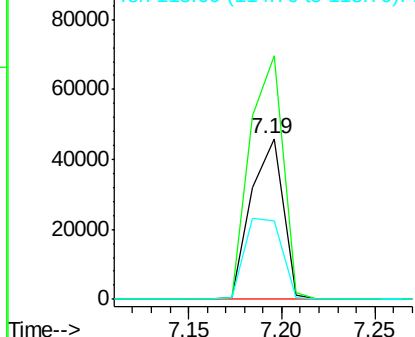
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.19 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 SEP4

Tgt Ion:152 Resp: 54552
 Ion Ratio Lower Upper
 152 100
 150 151.5 124.0 186.0
 115 48.8 49.4 74.2#



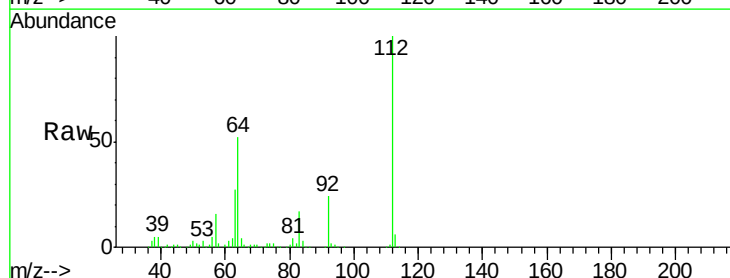
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



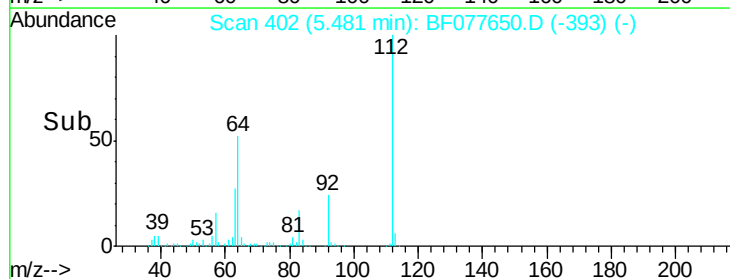
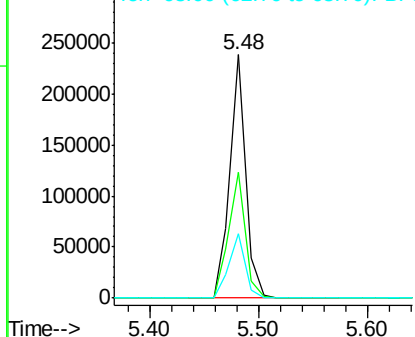
#5

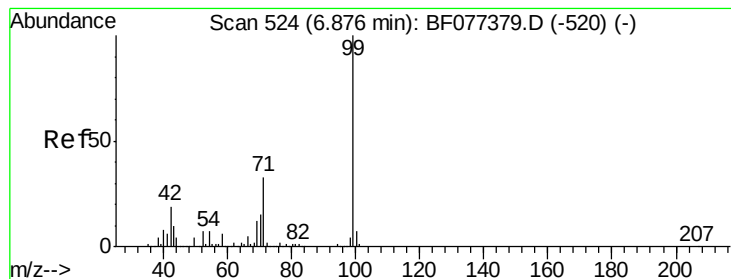
2-Fluorophenol
 Concen: 73.77 ng
 RT: 5.48 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Tgt Ion:112 Resp: 241068
 Ion Ratio Lower Upper
 112 100
 64 51.8 48.5 72.7
 63 26.6 25.0 37.4



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: 70.97 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF077650.D

Acq: 9 Mar 2015 20:58

Instrument :

BNA_F

ClientSampleId :

SEP4

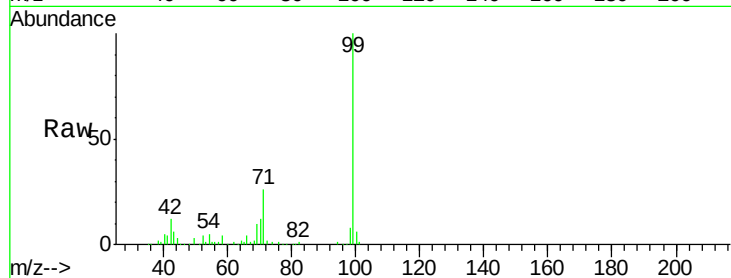
Tgt Ion: 99 Resp: 298155

Ion Ratio Lower Upper

99 100

42 12.0 16.2 24.4#

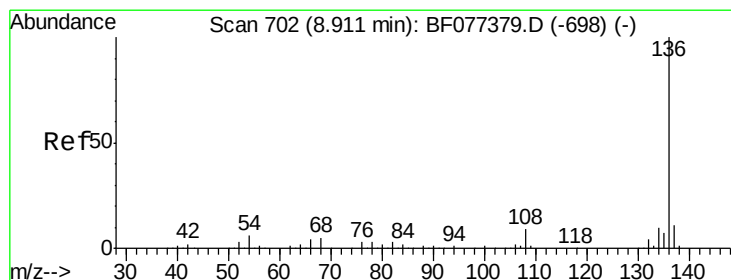
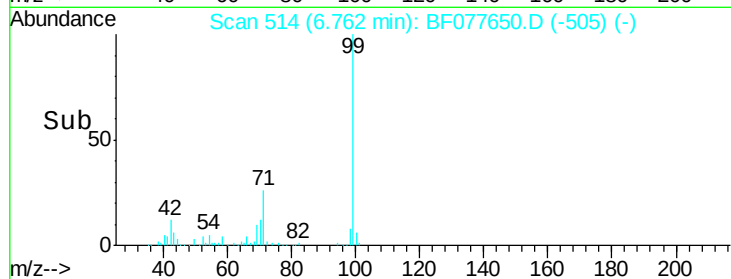
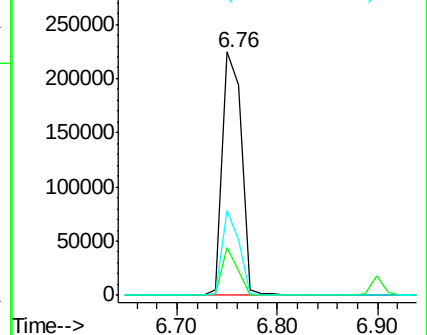
71 26.3 26.7 40.1#



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: 8.77 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF077650.D

Acq: 9 Mar 2015 20:58

Tgt Ion: 136 Resp: 219030

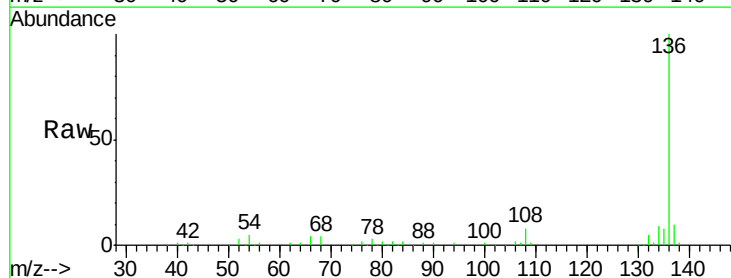
Ion Ratio Lower Upper

136 100

137 10.2 8.6 13.0

54 5.0 6.2 9.4#

68 4.4 5.0 7.6#

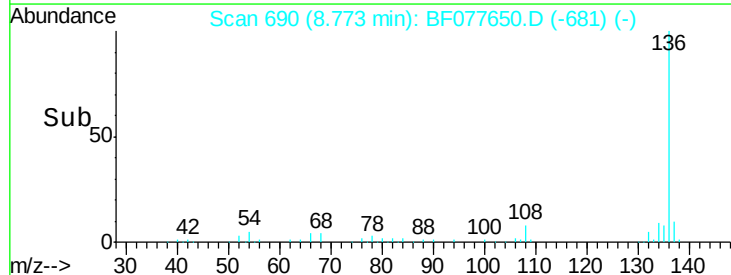
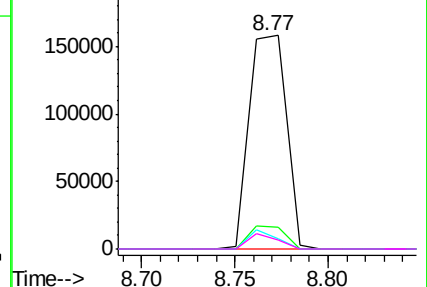


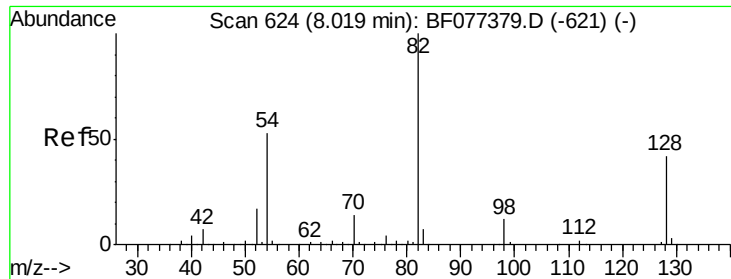
Abundance Ion 136.00 (135.70 to 136.70): E

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

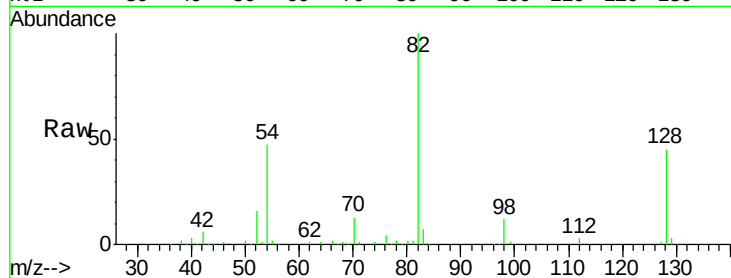




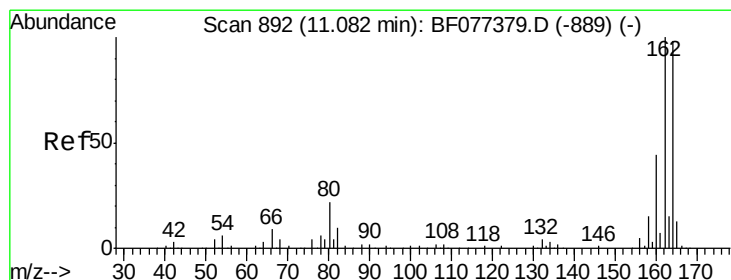
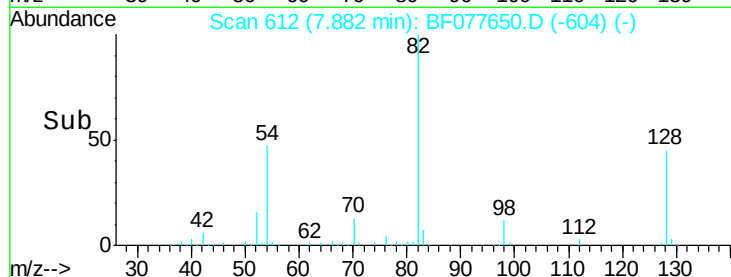
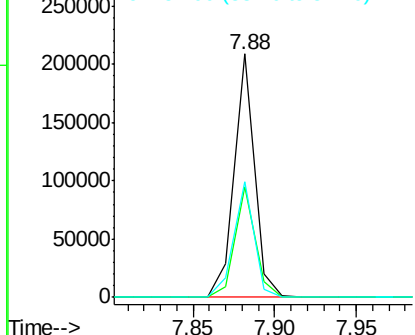
#23
 Nitrobenzene-d5
 Concen: 50.77 ng
 RT: 7.88 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Instrument :
 BNA_F
 ClientSampled :
 SEP4

Tgt Ion: 82 Resp: 178818
 Ion Ratio Lower Upper
 82 100
 128 45.2 43.8 65.8
 54 47.4 36.7 55.1

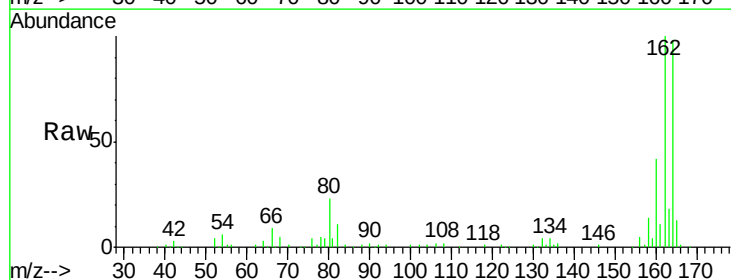


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

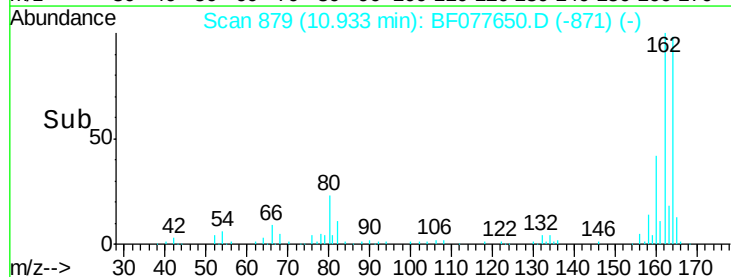
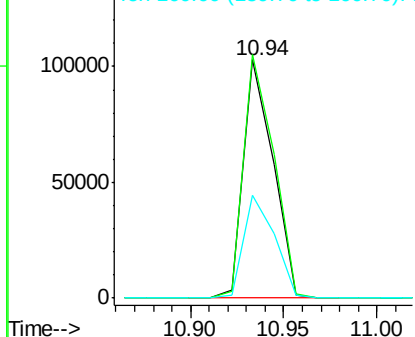


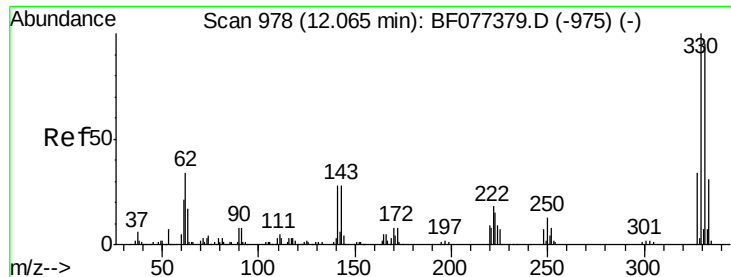
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.94 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Tgt Ion:164 Resp: 113136
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.2 124.8
 160 43.0 34.6 52.0



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

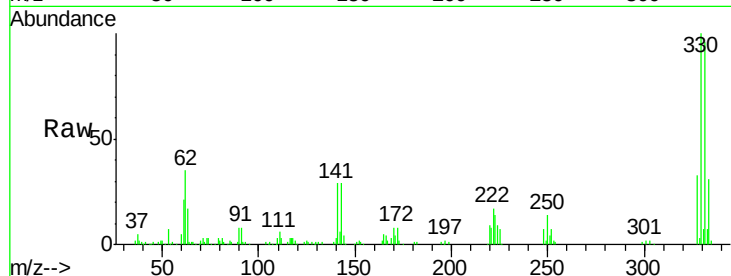




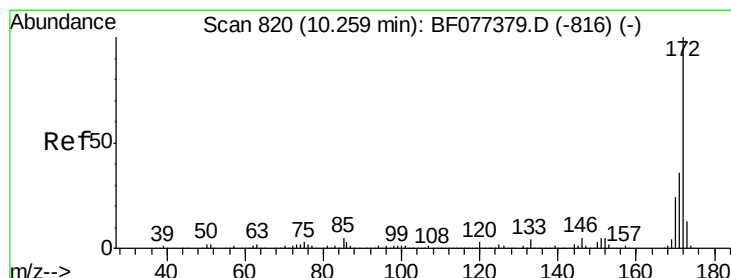
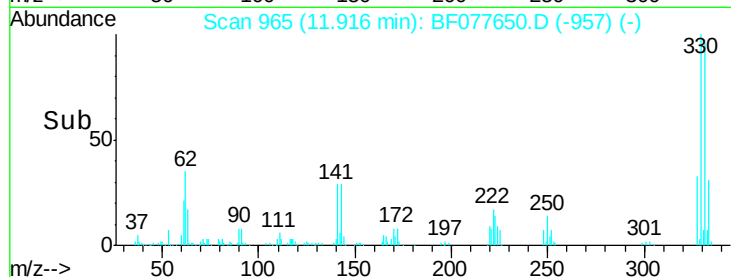
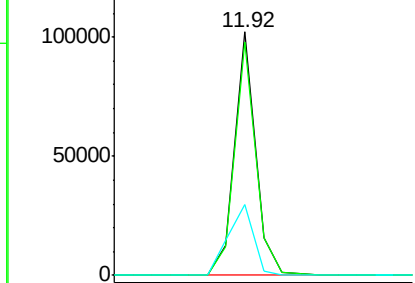
#41
 2,4,6-Tribromophenol
 Concen: 83.61 ng
 RT: 11.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Instrument :
 BNA_F
 ClientSampled :
 SEP4

Tgt Ion:330 Resp: 91085
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 35.3 28.8 43.2

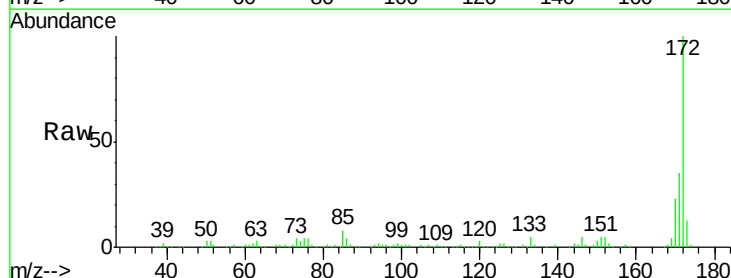


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

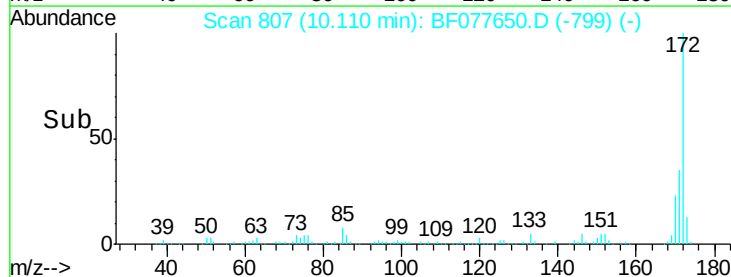
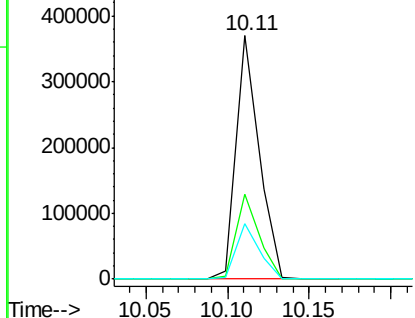


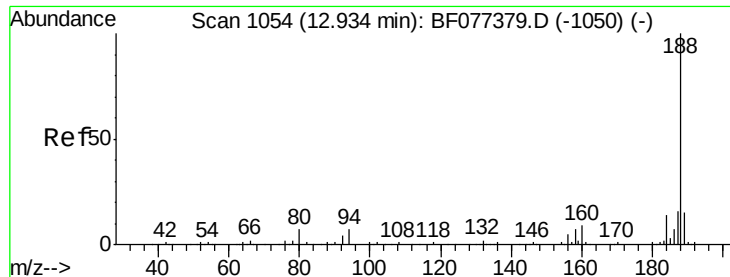
#44
 2-Fluorobiphenyl
 Concen: 49.43 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Tgt Ion:172 Resp: 358687
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.9 43.3
 170 22.8 19.4 29.2



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

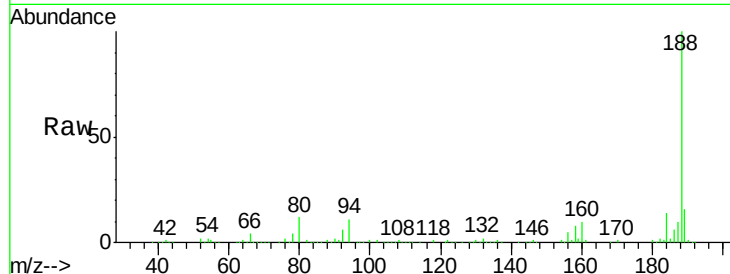




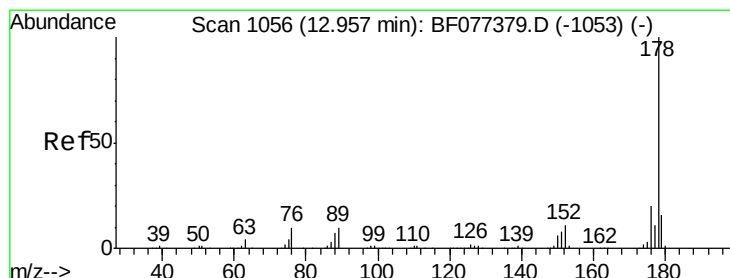
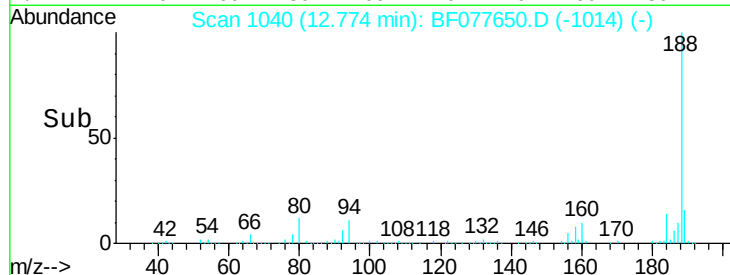
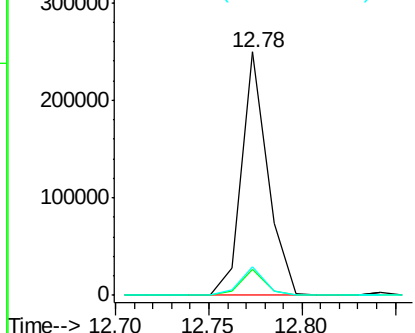
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.78 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF077650.D
Acq: 9 Mar 2015 20:58

Instrument :
BNA_F
ClientSampleId :
SEP4

Tgt Ion:188 Resp: 242496
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.2
80 11.5 8.0 12.0

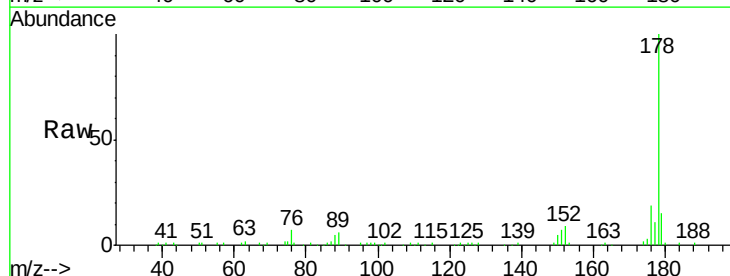


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

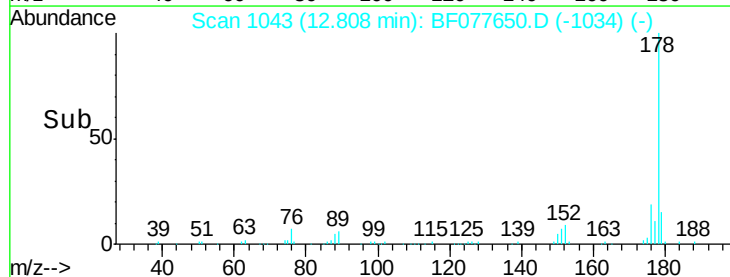
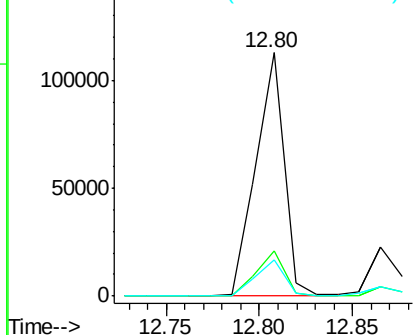


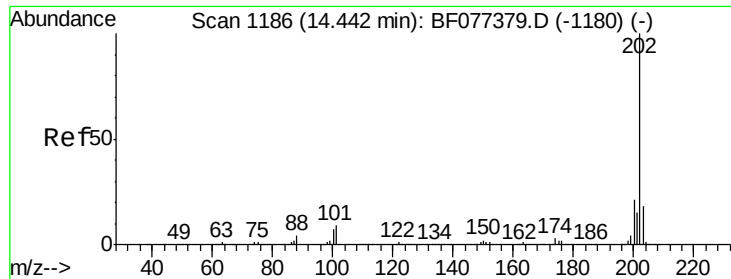
#70
Phenanthrene
Concen: 8.46 ng
RT: 12.80 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077650.D
Acq: 9 Mar 2015 20:58

Tgt Ion:178 Resp: 118917
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.8 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





#74

Fluoranthene

Concen: 5.38 ng

RT: 14.28 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF077650.D

Acq: 9 Mar 2015 20:58

Instrument :

BNA_F

ClientSampleId :

SEP4

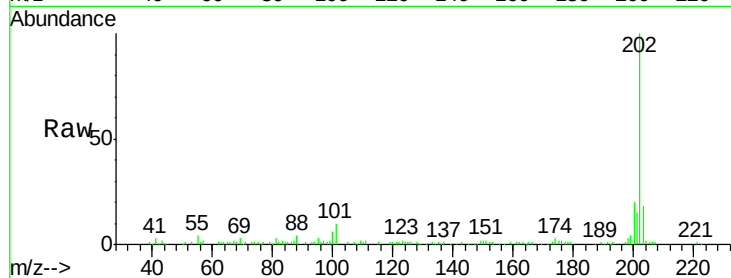
Tgt Ion:202 Resp: 82634

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.8

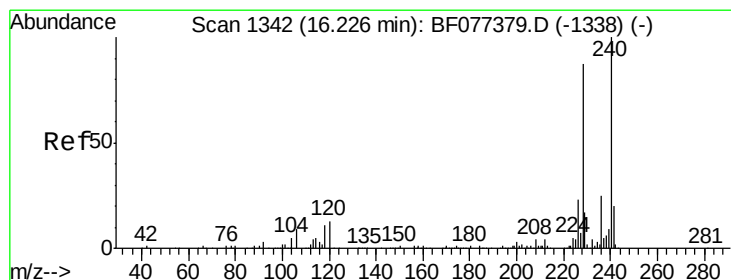
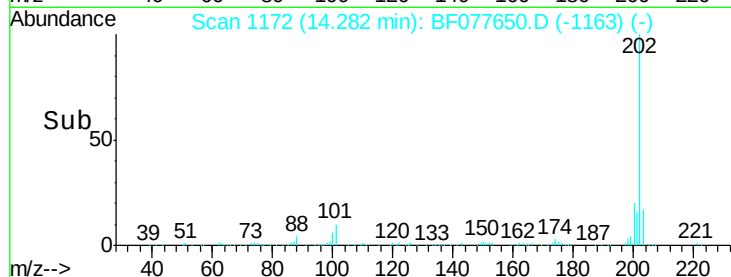
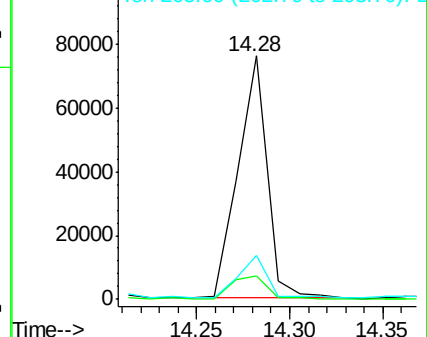
203 17.9 0.0 37.7



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: 16.06 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF077650.D

Acq: 9 Mar 2015 20:58

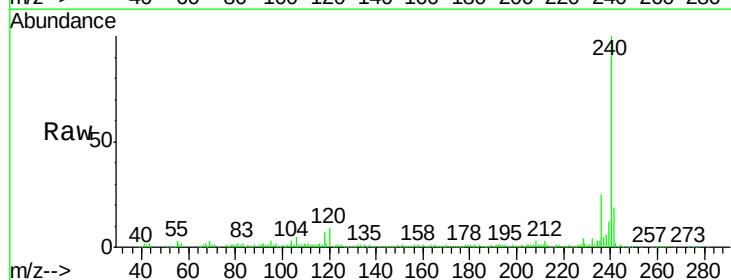
Tgt Ion:240 Resp: 249614

Ion Ratio Lower Upper

240 100

120 8.5 8.8 13.2#

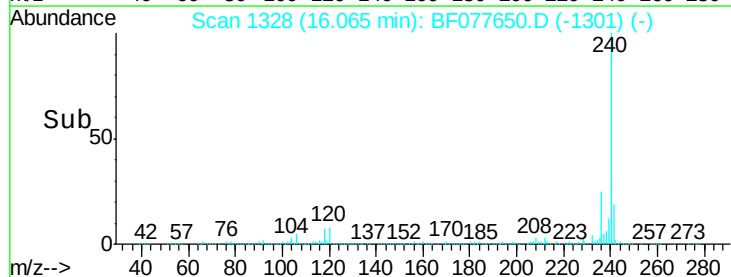
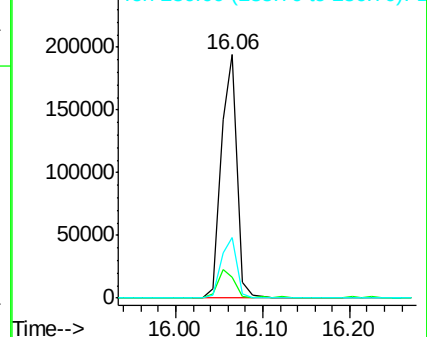
236 24.9 20.7 31.1

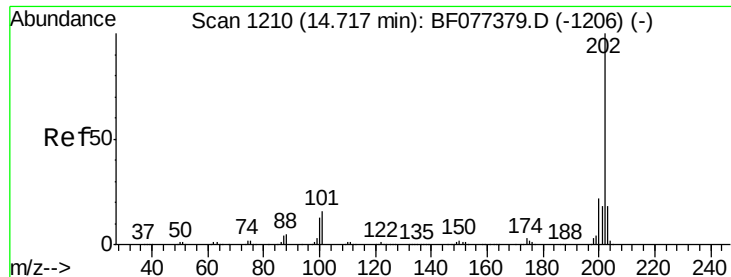


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

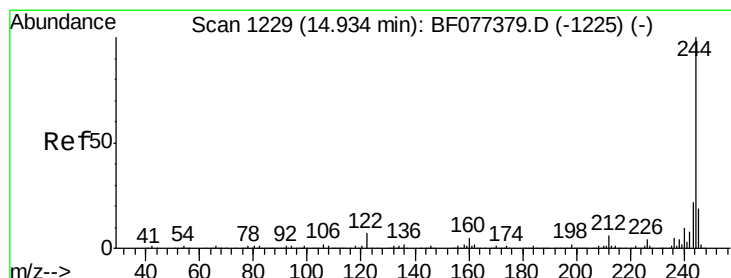
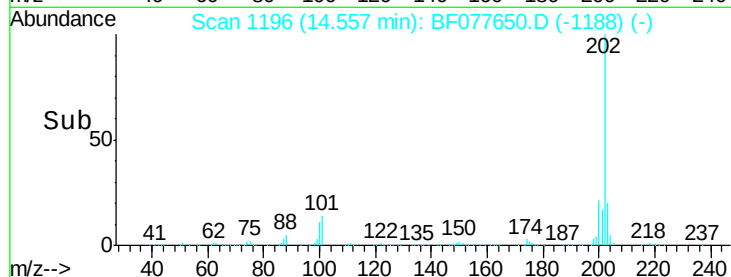
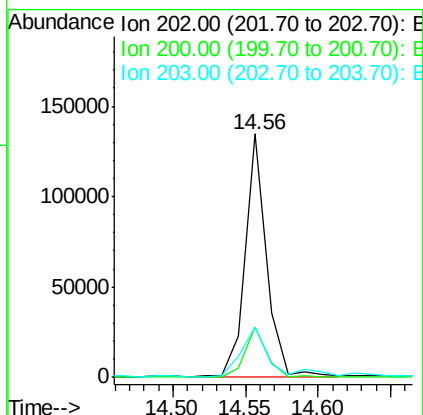
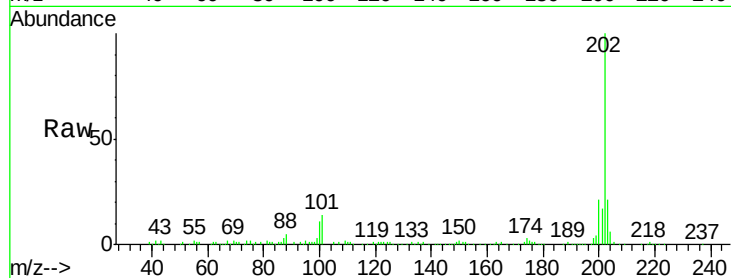




#77
 Pyrene
 Concen: 8.98 ng
 RT: 14.56 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

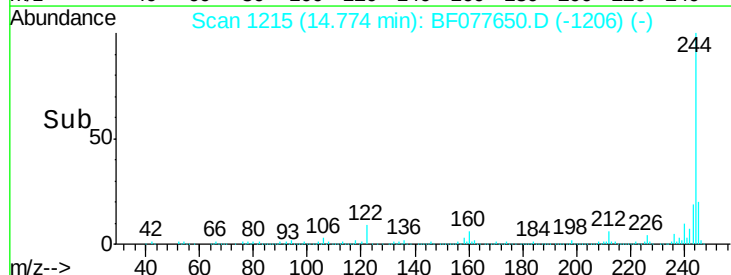
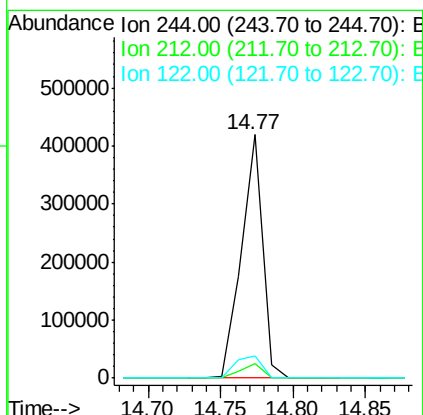
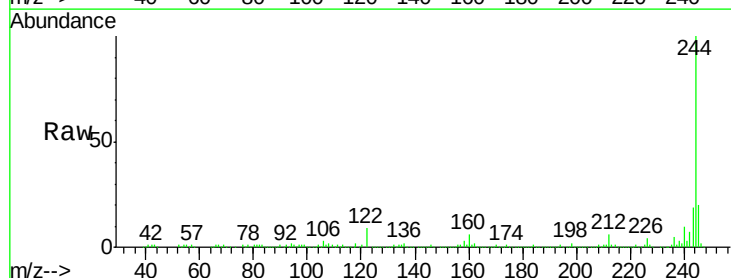
Instrument :
 BNA_F
 ClientSampleId :
 SEP4

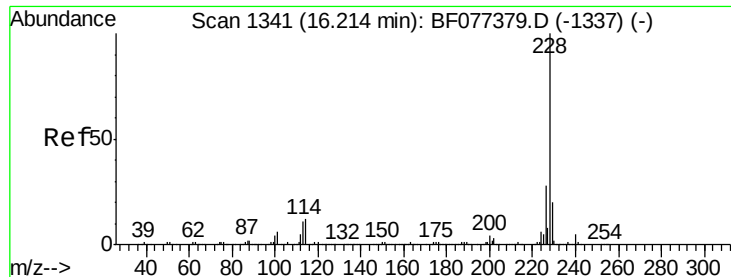
Tgt Ion: 202 Resp: 137186
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.1 25.7
 203 20.7 14.2 21.2



#78
 Terphenyl-d14
 Concen: 40.08 ng
 RT: 14.77 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF077650.D
 Acq: 9 Mar 2015 20:58

Tgt Ion: 244 Resp: 427934
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 9.3 7.8 11.8





#80

Benzo(a)anthracene

Concen: 3.96 ng

RT: 16.05 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF077650.D

Acq: 9 Mar 2015 20:58

Instrument :

BNA_F

ClientSampleId :

SEP4

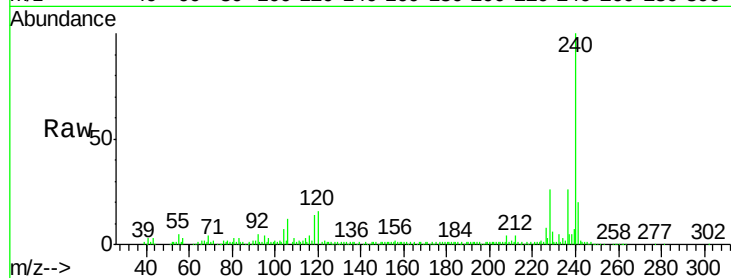
Tgt Ion:228 Resp: 57868

Ion Ratio Lower Upper

228 100

226 28.6 22.0 33.0

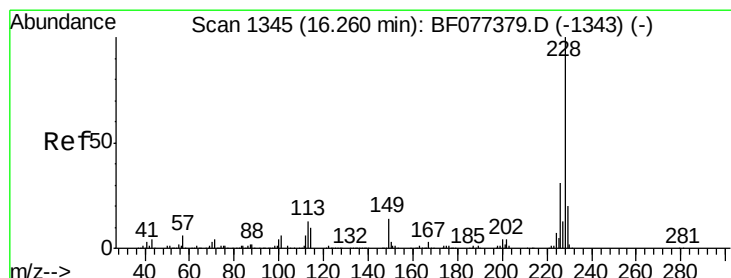
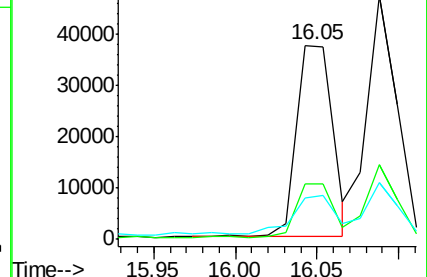
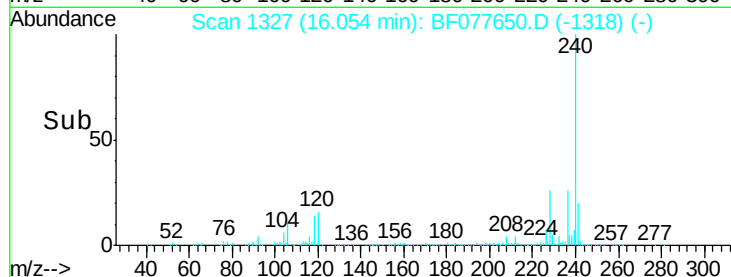
229 22.9 15.8 23.8



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



#82

Chrysene

Concen: 4.28 ng

RT: 16.09 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF077650.D

Acq: 9 Mar 2015 20:58

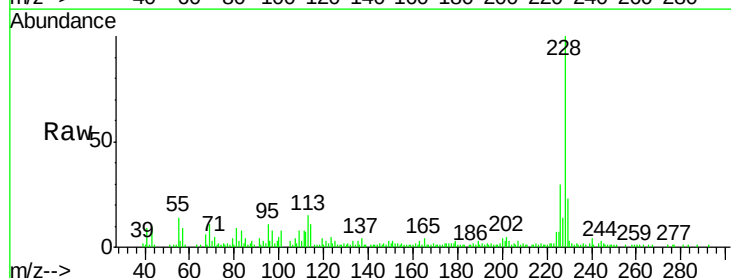
Tgt Ion:228 Resp: 58855

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

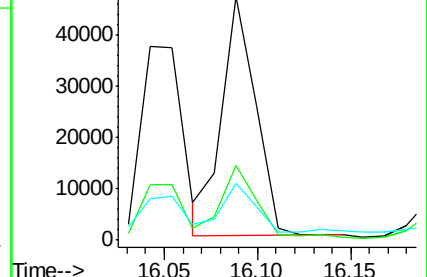
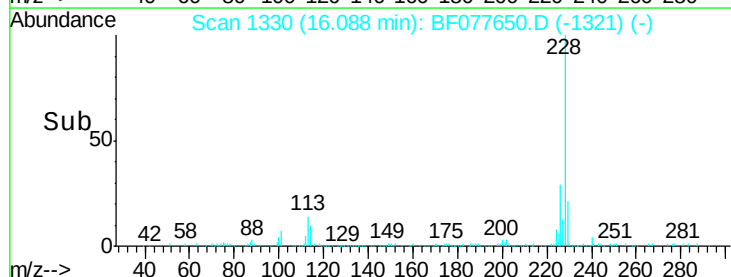
229 23.2 16.4 24.6

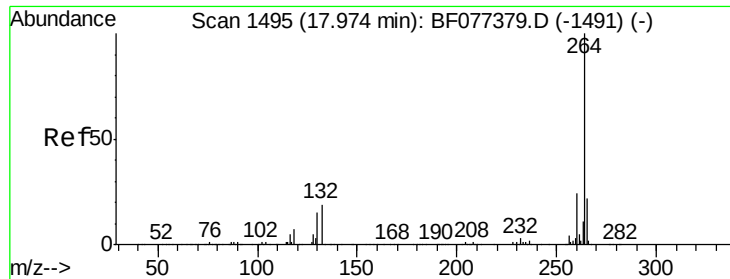


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

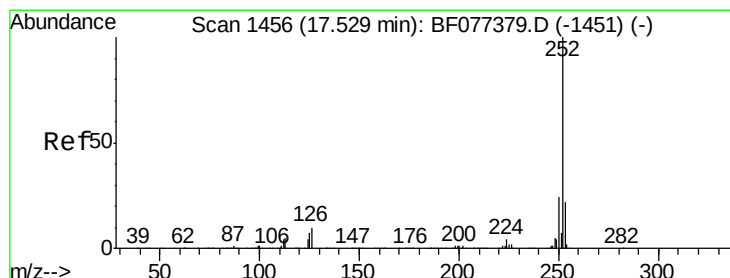
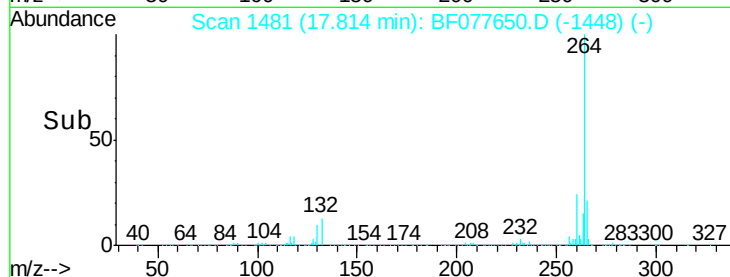
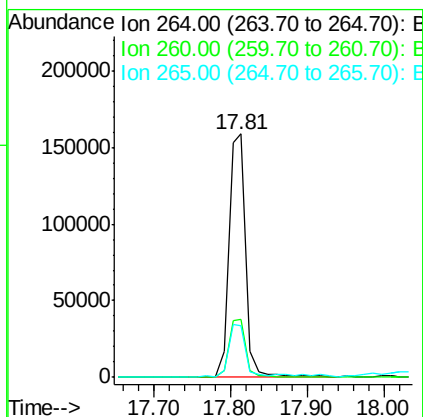
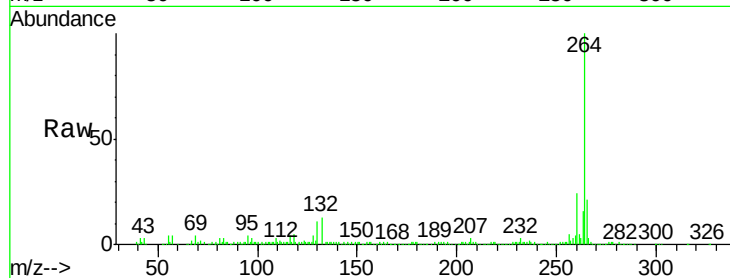




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.81 min Scan# 1481
Delta R.T. 0.08 min
Lab File: BF077650.D
Acq: 9 Mar 2015 20:58

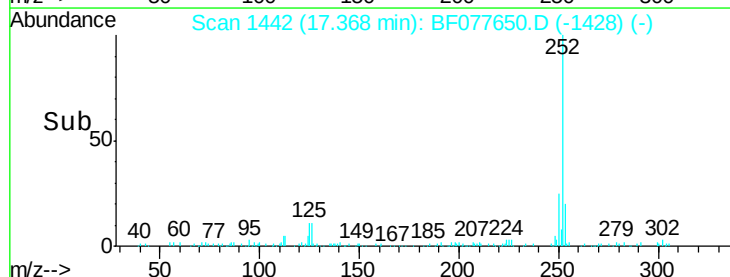
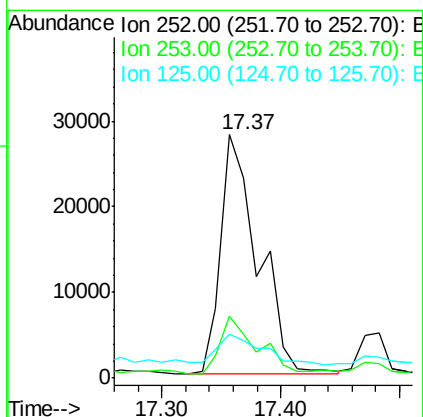
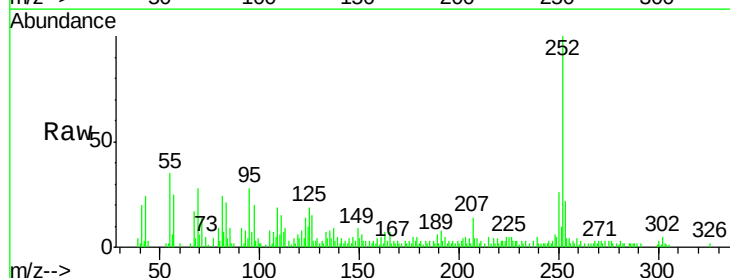
Instrument :
BNA_F
ClientSampleId :
SEP4

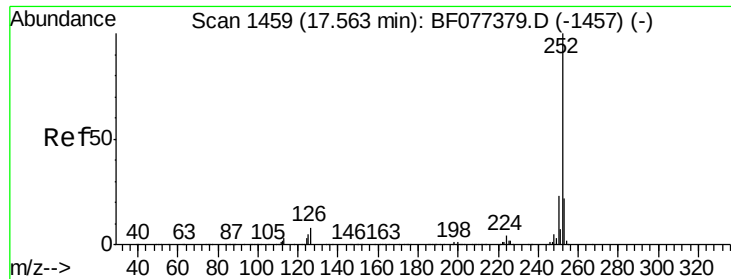
Tgt Ion:264 Resp: 246397
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 21.4 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 4.27 ng
RT: 17.37 min Scan# 1442
Delta R.T. 0.06 min
Lab File: BF077650.D
Acq: 9 Mar 2015 20:58

Tgt Ion:252 Resp: 61217
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 19.1 5.4 8.2#

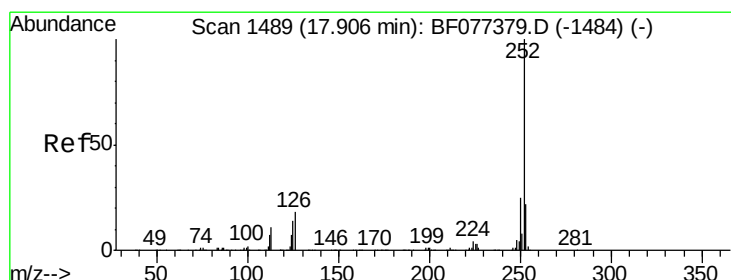
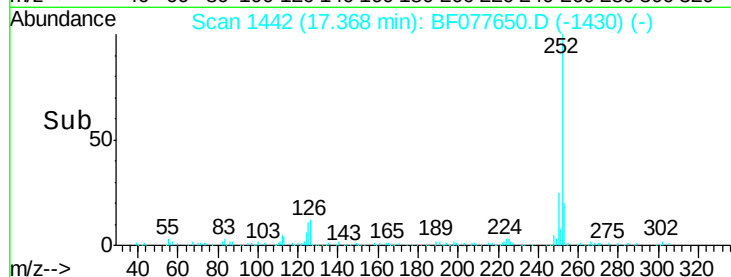
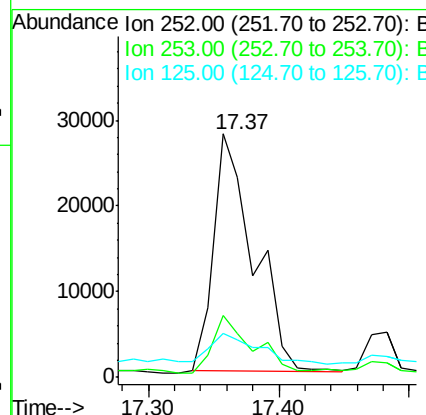
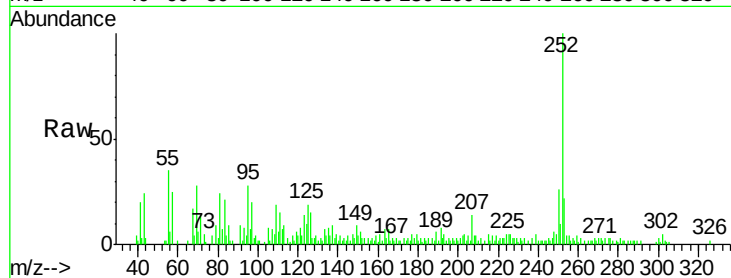




#88
Benzo(k)fluoranthene
Concen: 4.23 ng
RT: 17.37 min Scan# 1442
Delta R.T. 0.04 min
Lab File: BF077650.D
Acq: 9 Mar 2015 20:58

Instrument :
BNA_F
ClientSampleId :
SEP4

Tgt Ion:252 Resp: 59430
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 19.1 10.1 15.1#



#89
Benzo(a)pyrene
Concen: 3.30 ng
RT: 17.74 min Scan# 1475
Delta R.T. 0.07 min
Lab File: BF077650.D
Acq: 9 Mar 2015 20:58

Tgt Ion:252 Resp: 45046
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 15.0 8.3 12.5#

