

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
 Data File : BF078937.D
 Acq On : 5 May 2015 12:59
 Operator : TP/IZ
 Sample : G2115-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 05 14:54:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 19:07:47 2015
 Response via : Initial Calibration

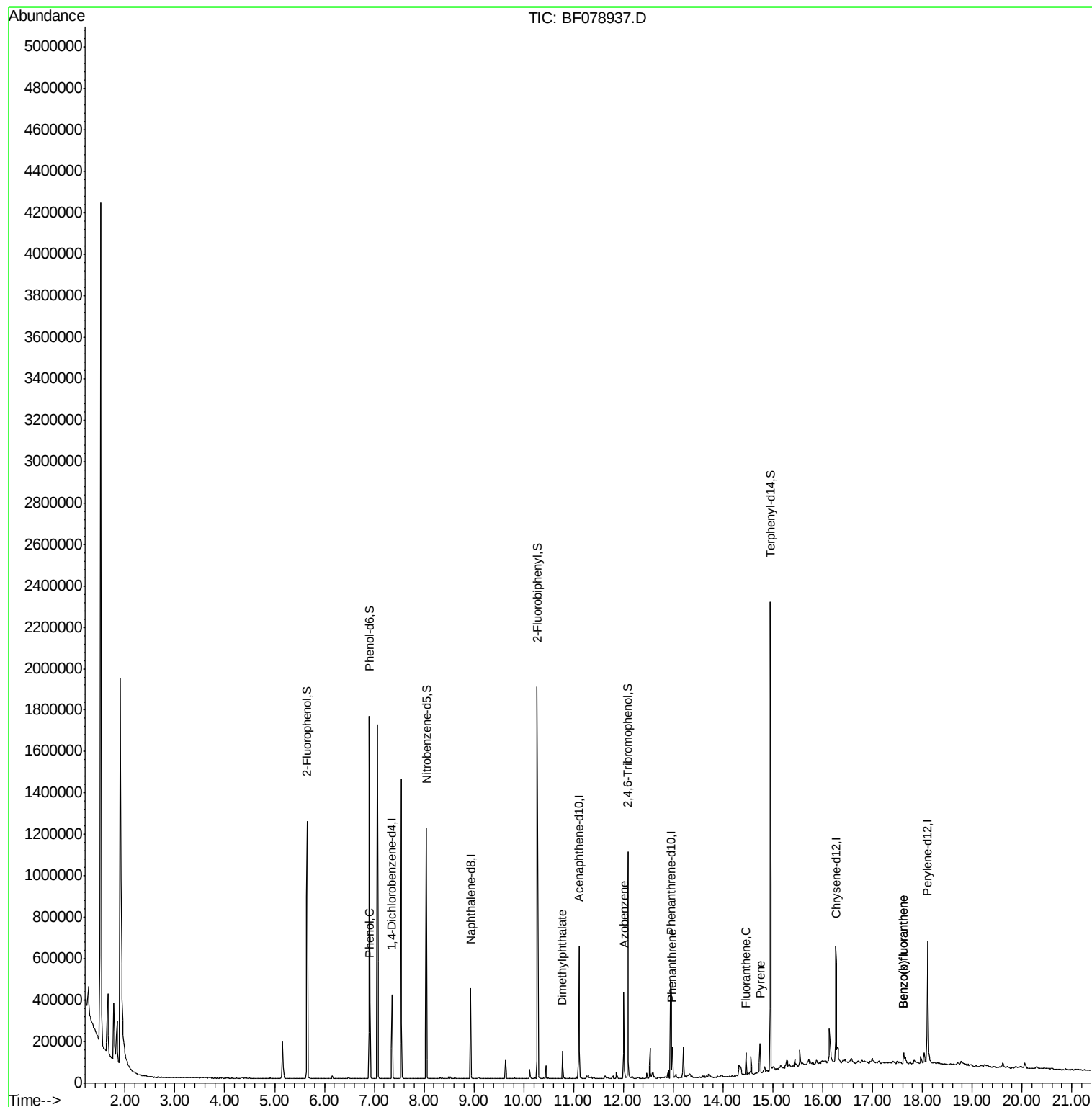
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	64828	20.00	ng	-0.01
21) Naphthalene-d8	8.94	136	258646	20.00	ng	-0.01
38) Acenaphthene-d10	11.11	164	126639	20.00	ng	-0.02
63) Phenanthrene-d10	12.95	188	246278	20.00	ng	-0.02
75) Chrysene-d12	16.27	240	274360	20.00	ng	-0.02
86) Perylene-d12	18.10	264	292546	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	450046	119.50	ng	-0.01
7) Phenol-d6	6.90	99	586413	117.80	ng	-0.02
23) Nitrobenzene-d5	8.04	82	355371	78.96	ng	-0.02
41) 2,4,6-Tribromophenol	12.09	330	167324	122.13	ng	-0.02
44) 2-Fluorobiphenyl	10.27	172	692004	76.13	ng	-0.02
78) Terphenyl-d14	14.95	244	831107	72.52	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.91	94	17782	3.08	ng	# 53
49) Dimethylphthalate	10.78	163	63858	6.87	ng	99
62) Azobenzene	12.01	77	80399	8.86	ng	# 1
70) Phenanthrene	12.98	178	38263	2.78	ng	100
74) Fluoranthene	14.46	202	57441	4.00	ng	97
77) Pyrene	14.74	202	60389	3.82	ng	97
87) Benzo(b)fluoranthene	17.62	252	47666	2.98	ng	# 94
88) Benzo(k)fluoranthene	17.62	252	48608	3.14	ng	# 95

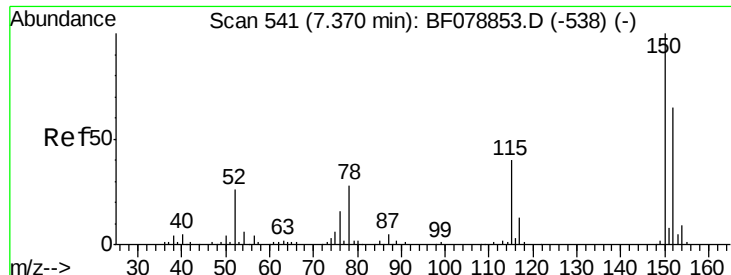
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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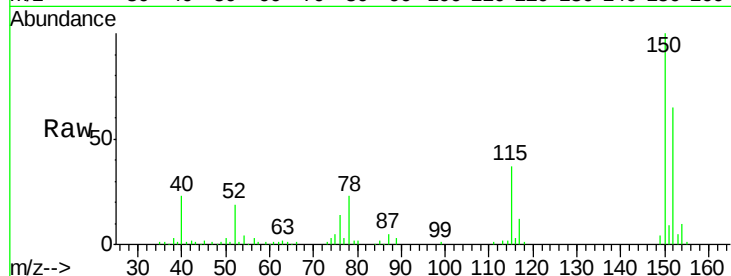




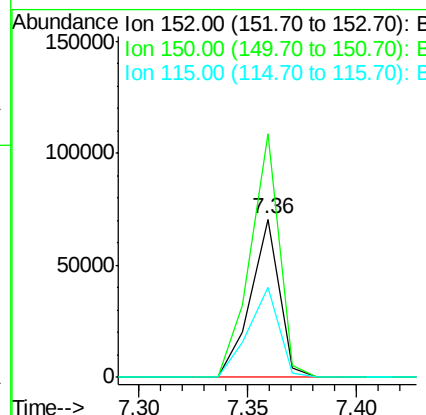
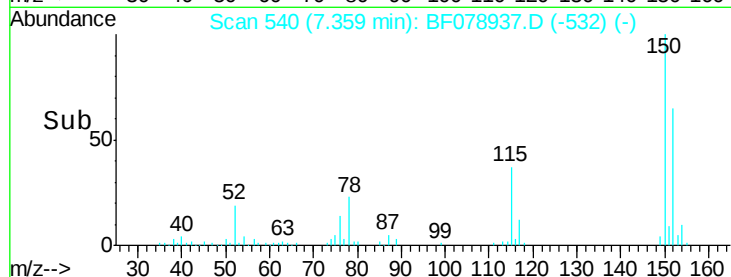
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.36 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF078937.D
 Acq: 5 May 2015 12:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 64828
 Ion Ratio Lower Upper
 152 100
 150 154.0 122.0 183.0
 115 57.0 46.3 69.5

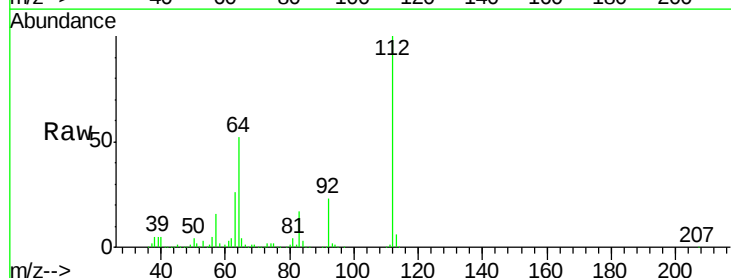


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

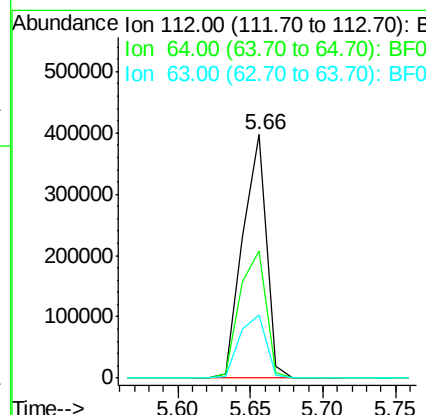
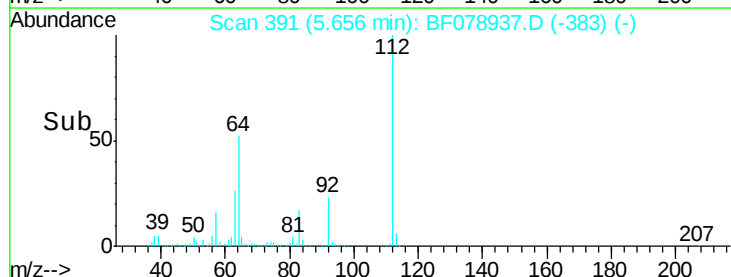


#5
 2-Fluorophenol
 Concen: 119.50 ng
 RT: 5.66 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: BF078937.D
 Acq: 5 May 2015 12:59

Tgt Ion:112 Resp: 450046
 Ion Ratio Lower Upper
 112 100
 64 52.1 53.5 80.3#
 63 25.7 27.5 41.3#



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: 117.80 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

Instrument :

BNA_F

ClientSampleId :

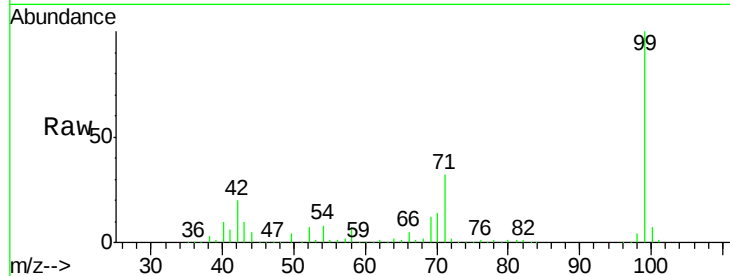
Tot Ion: 99 Resp: 586413

Ion Ratio Lower Upper

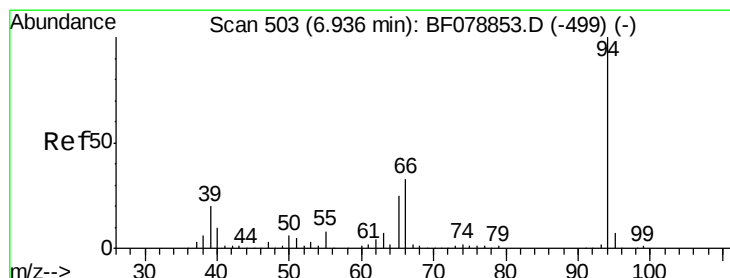
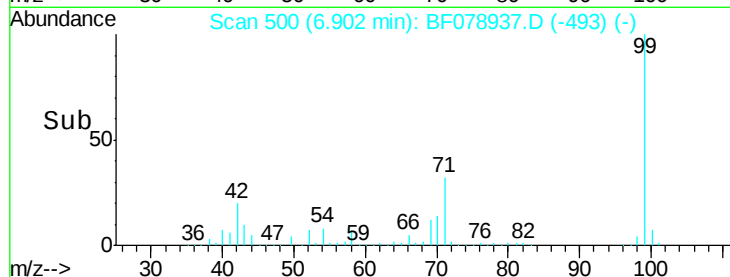
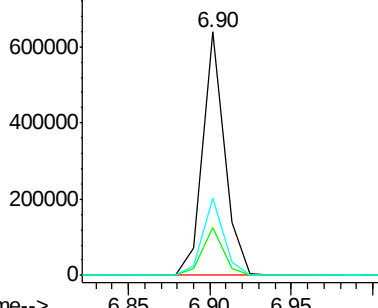
99 100

42 19.7 12.8 19.2#

71 31.8 23.4 35.2



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



#10

Phenol

Concen: 3.08 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

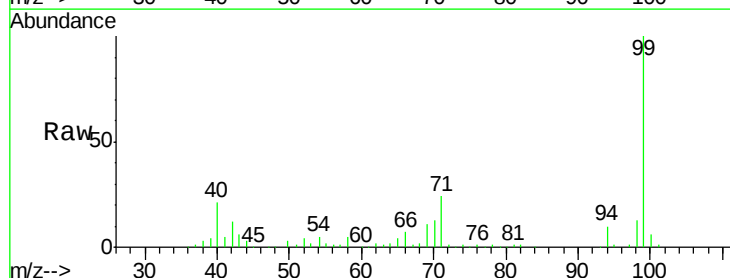
Tgt Ion: 94 Resp: 17782

Ion Ratio Lower Upper

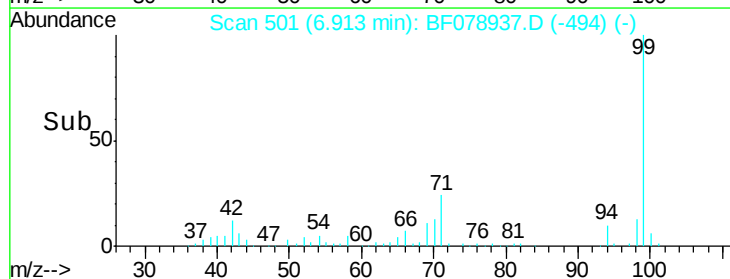
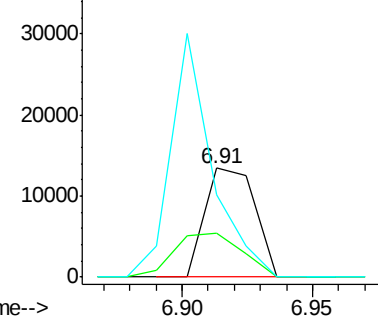
94 100

65 40.0 8.5 48.5

66 75.5 16.0 56.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.94 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 258646

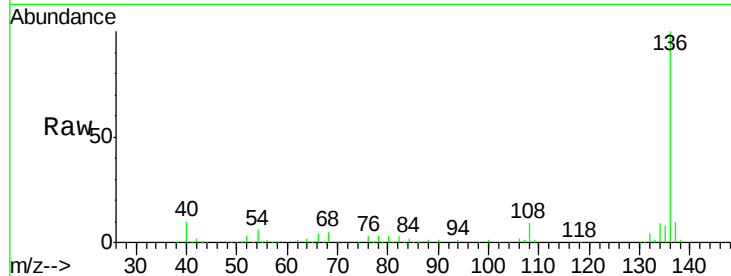
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 5.9 5.8 8.8

68 5.0 4.2 6.4

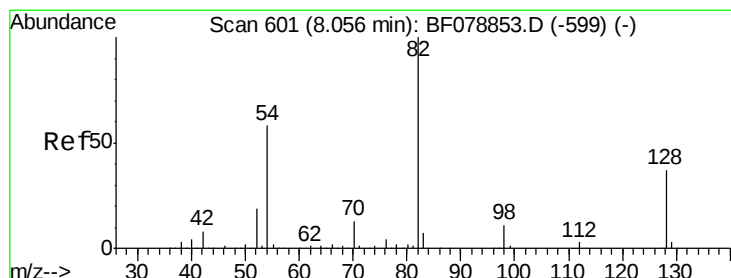
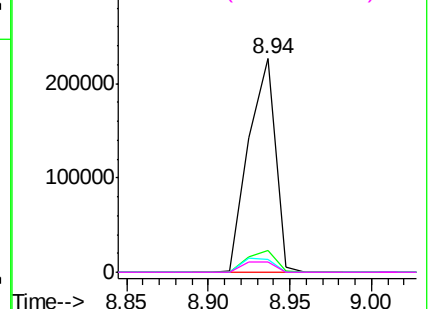
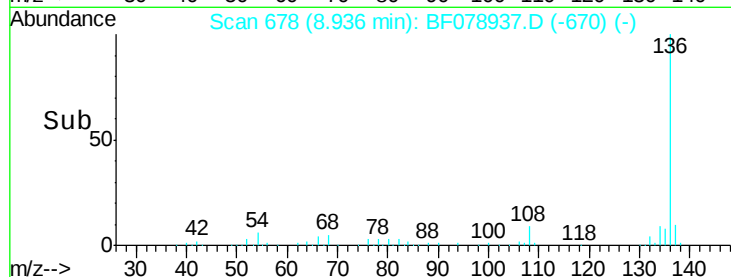


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.96 ng

RT: 8.04 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

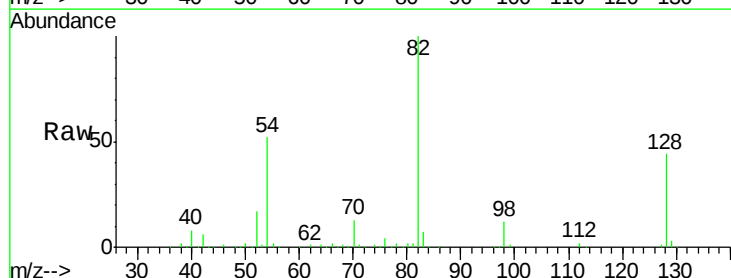
Tgt Ion: 82 Resp: 355371

Ion Ratio Lower Upper

82 100

128 43.5 30.0 45.0

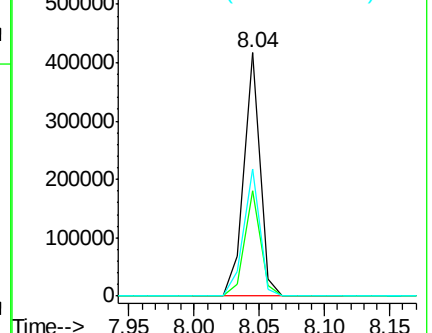
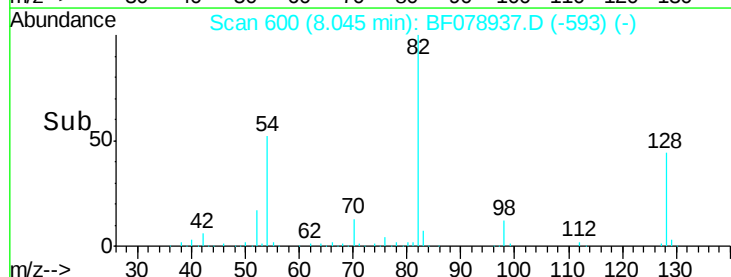
54 52.2 46.4 69.6

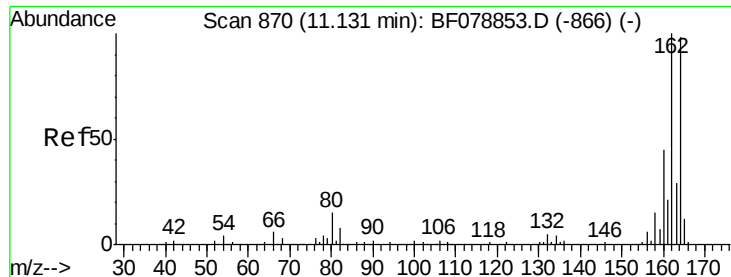


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

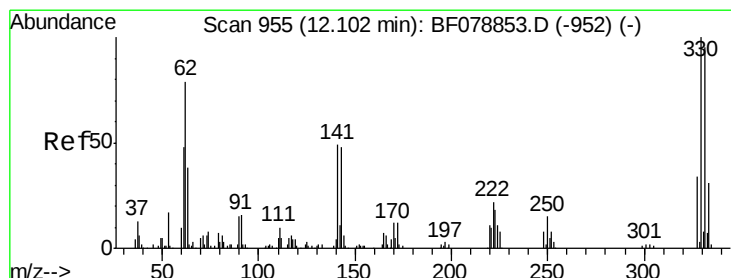
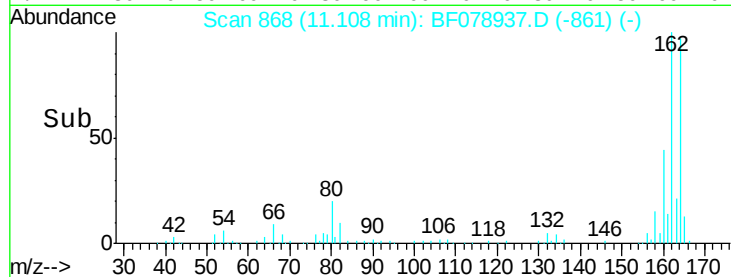
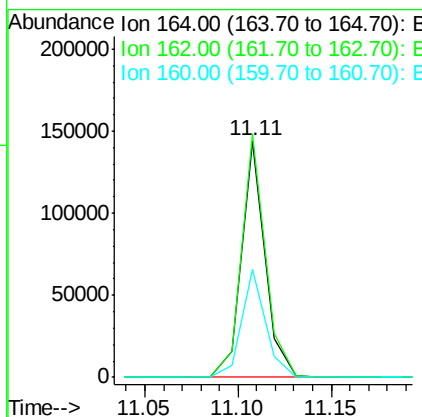
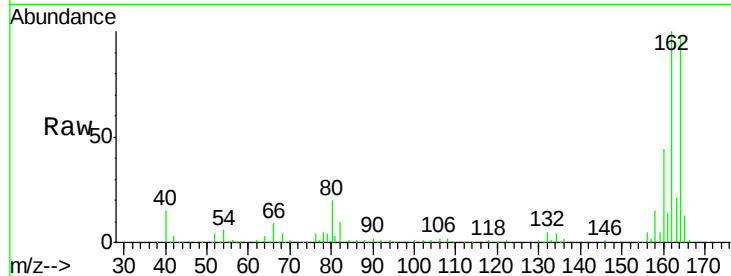




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.02 min
 Lab File: BF078937.D
 Acq: 5 May 2015 12:59

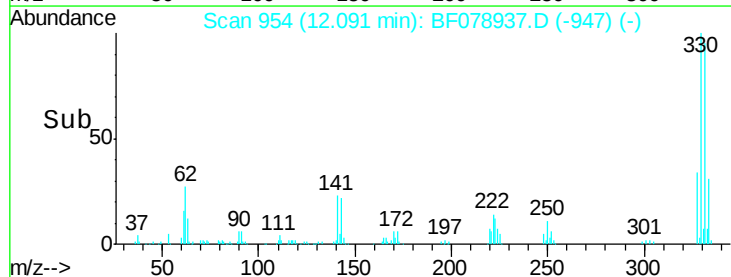
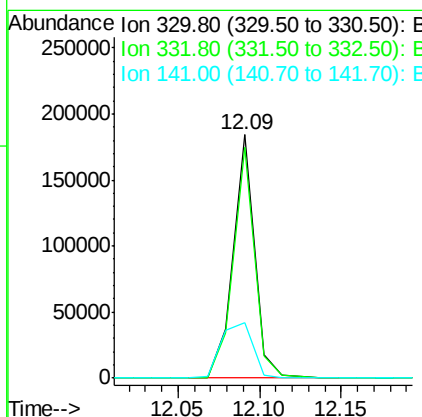
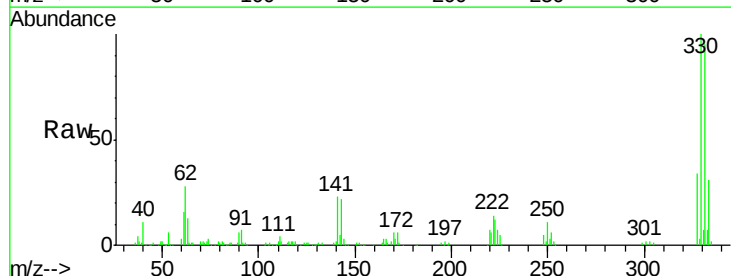
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 126639
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.7 124.1
 160 45.7 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 122.13 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.02 min
 Lab File: BF078937.D
 Acq: 5 May 2015 12:59

Tgt Ion:330 Resp: 167324
 Ion Ratio Lower Upper
 330 100
 332 94.5 0.0 0.0#
 141 33.7 0.0 0.0#

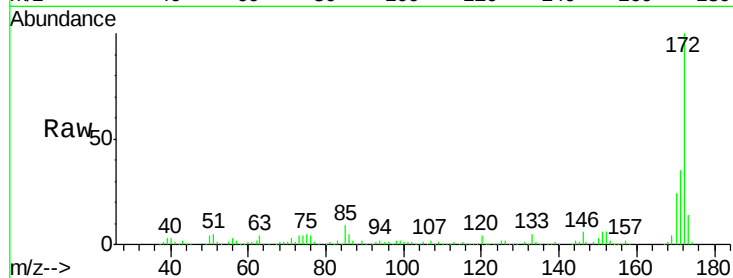




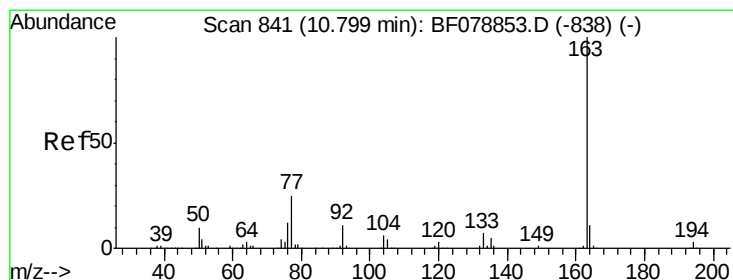
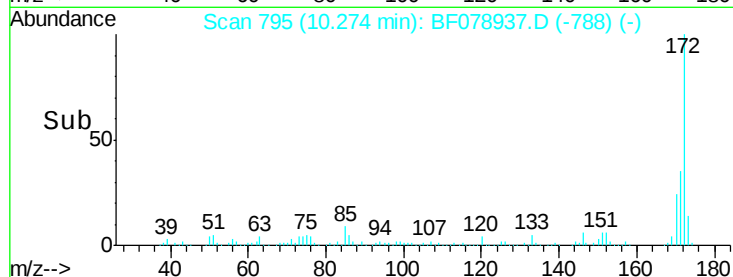
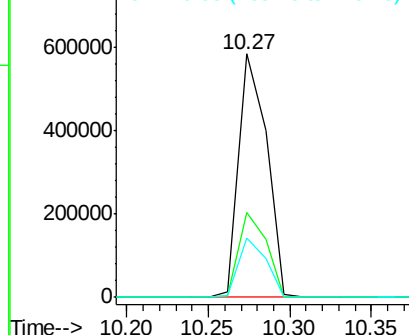
#44
2-Fluorobiphenyl
Concen: 76.13 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF078937.D
Acq: 5 May 2015 12:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 692004
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 24.4 19.4 29.0

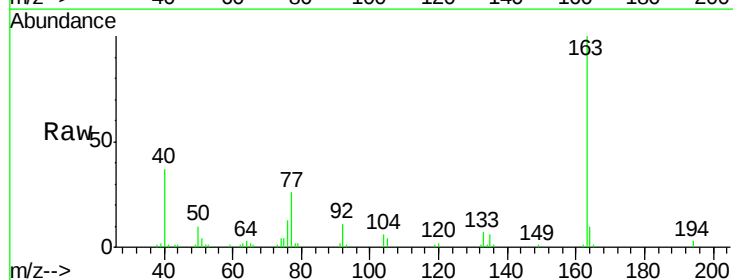


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

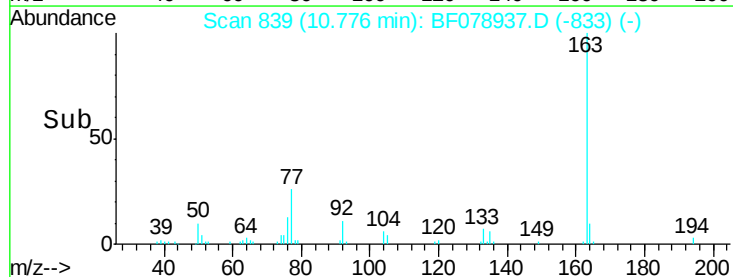
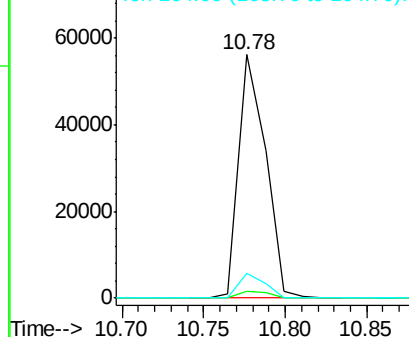


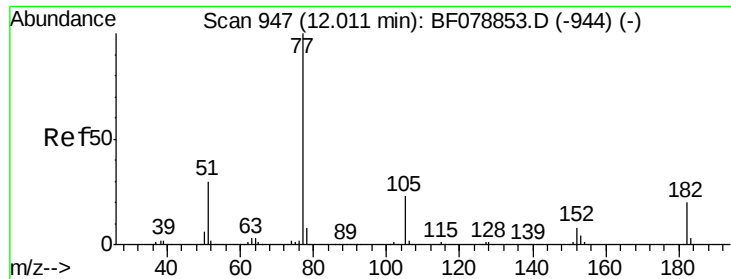
#49
Dimethylphthalate
Concen: 6.87 ng
RT: 10.78 min Scan# 839
Delta R.T. -0.03 min
Lab File: BF078937.D
Acq: 5 May 2015 12:59

Tgt Ion:163 Resp: 63858
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.4 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#62

Azobenzene

Concen: 8.86 ng

RT: 12.01 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 80399

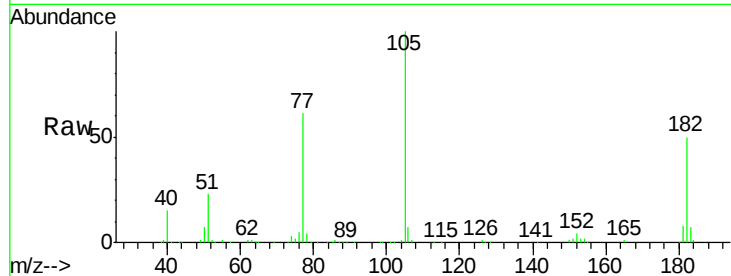
Ion Ratio Lower Upper

77 100

182 81.7 3.8 43.8#

105 163.1 3.9 43.9#

51 37.7 10.8 50.8

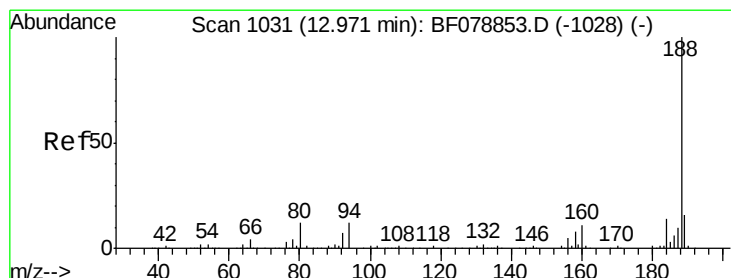
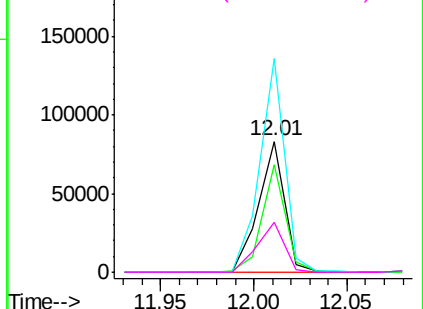
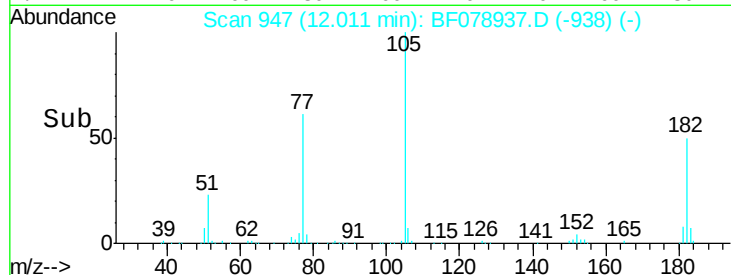


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.95 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

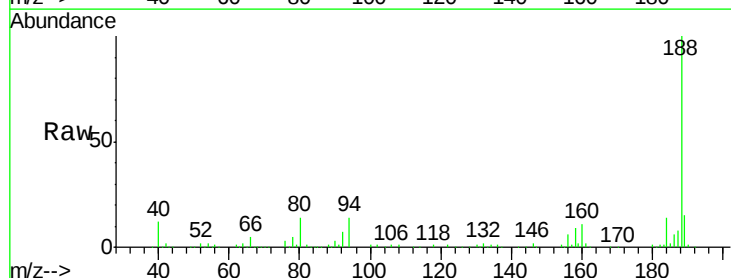
Tgt Ion: 188 Resp: 246278

Ion Ratio Lower Upper

188 100

94 14.1 8.2 12.2#

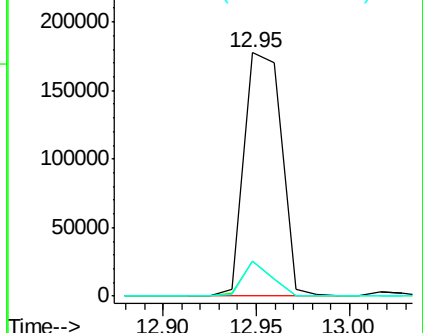
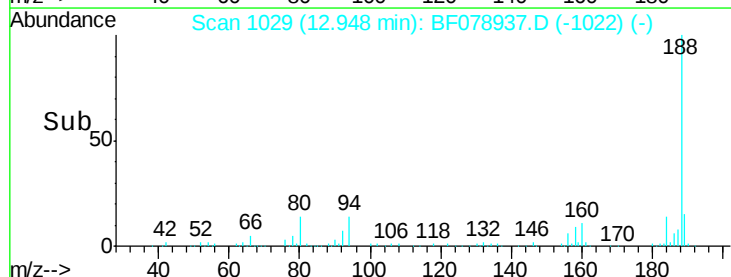
80 14.4 8.9 13.3#

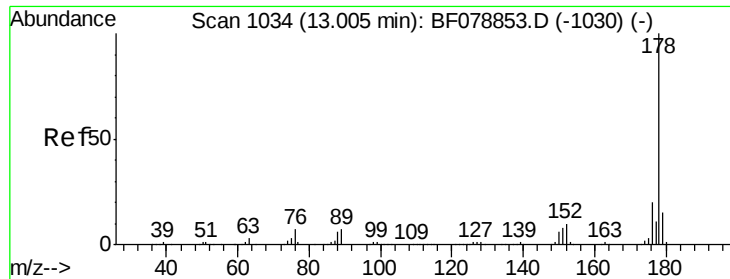


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

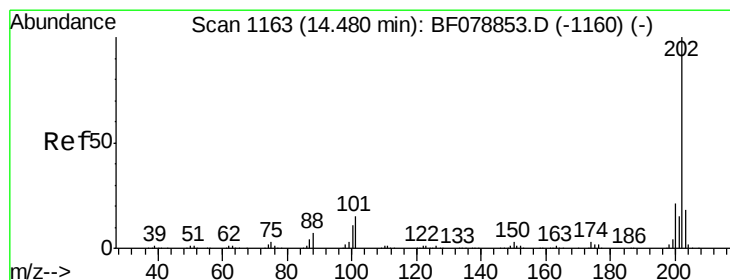
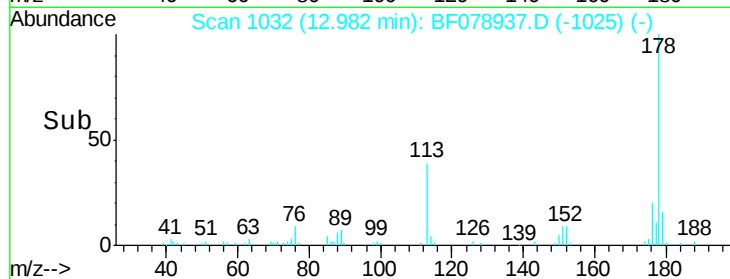
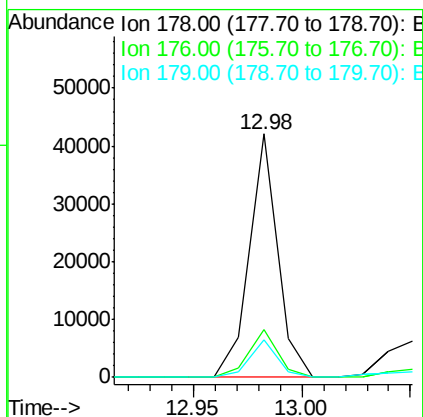
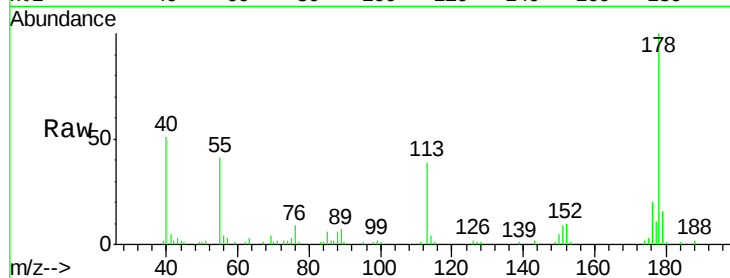




#70
Phenanthrene
Concen: 2.78 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF078937.D
Acq: 5 May 2015 12:59

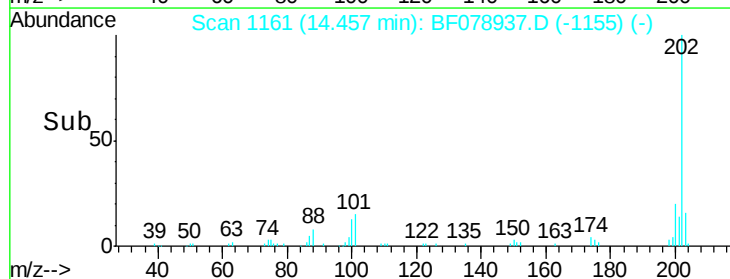
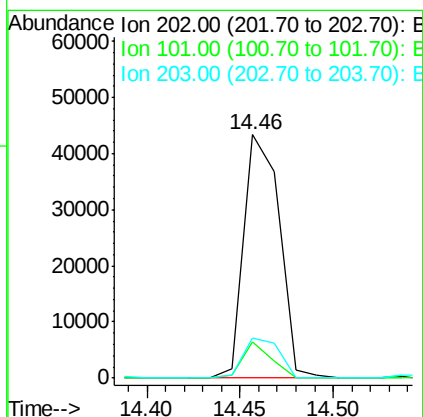
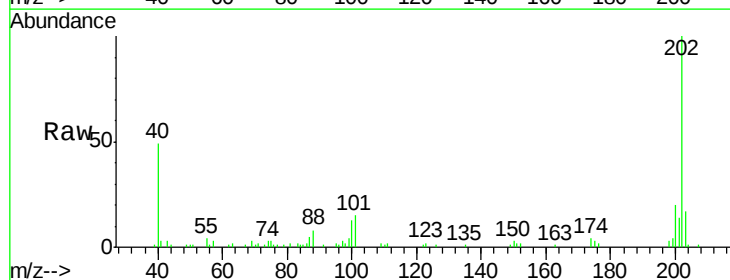
Instrument :
BNA_F
ClientSampleId :

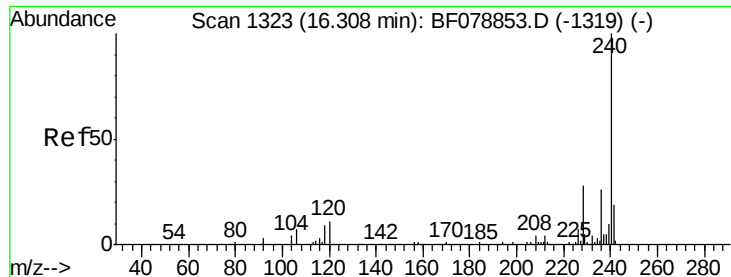
Tot Ion:178 Resp: 38263
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.5 12.5 18.7



#74
Fluoranthene
Concen: 4.00 ng
RT: 14.46 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF078937.D
Acq: 5 May 2015 12:59

Tgt Ion:202 Resp: 57441
Ion Ratio Lower Upper
202 100
101 15.0 0.0 34.6
203 16.7 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

Instrument :

BNA_F

ClientSampleId :

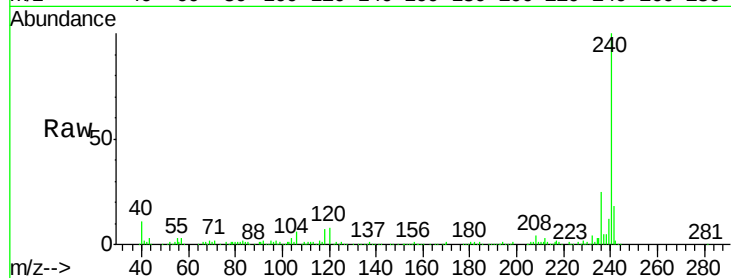
Tot Ion:240 Resp: 274360

Ion Ratio Lower Upper

240 100

120 8.3 9.7 14.5#

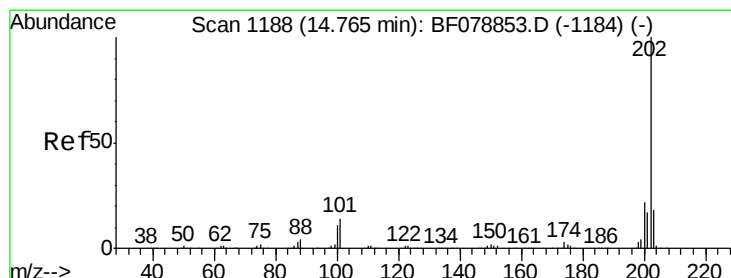
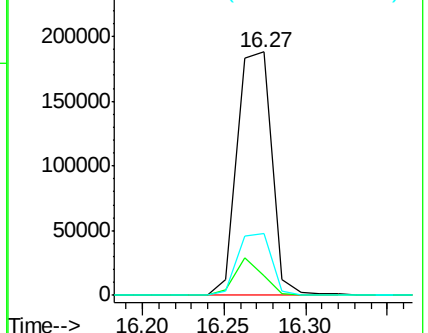
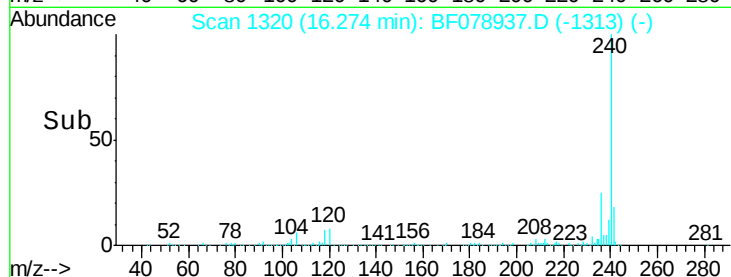
236 25.2 20.2 30.4



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: 3.82 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

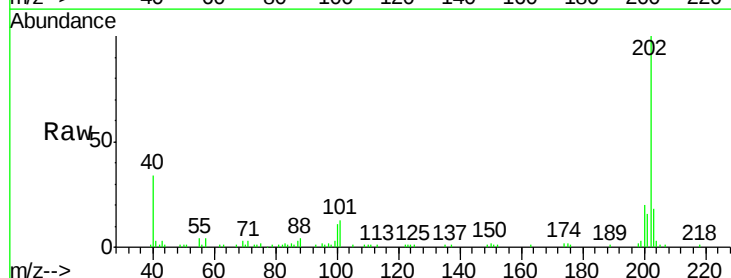
Tgt Ion:202 Resp: 60389

Ion Ratio Lower Upper

202 100

200 19.7 17.5 26.3

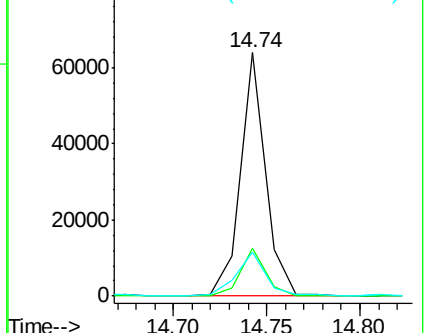
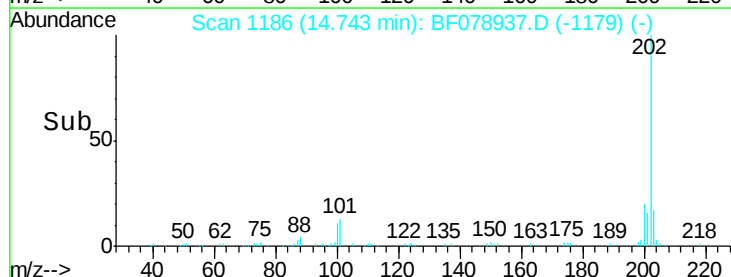
203 17.9 13.9 20.9

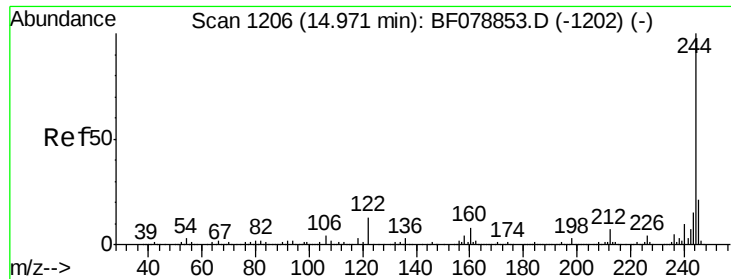


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

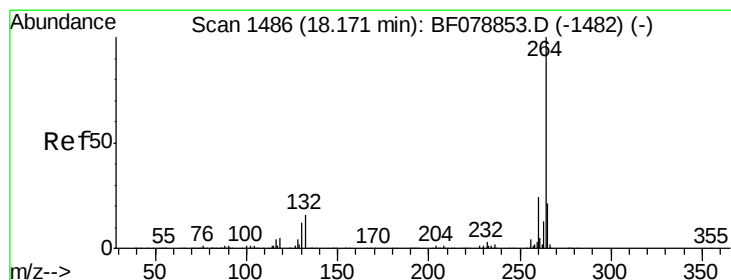
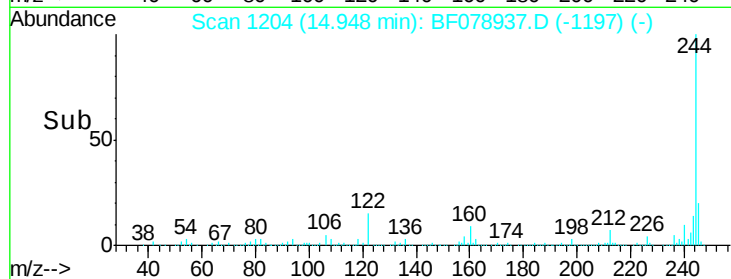
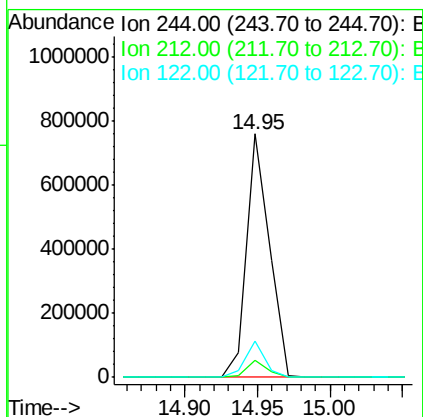
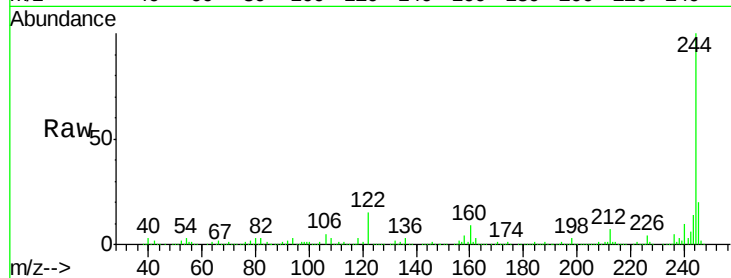




#78
 Terphenyl-d14
 Concen: 72.52 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF078937.D
 Acq: 5 May 2015 12:59

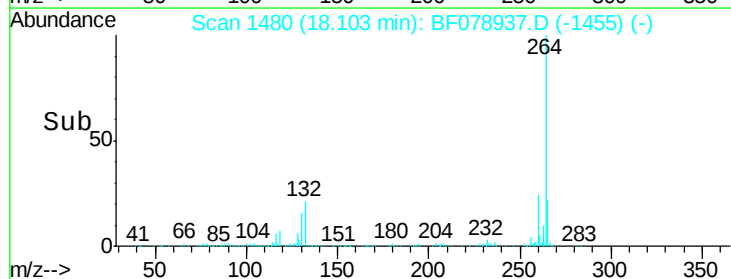
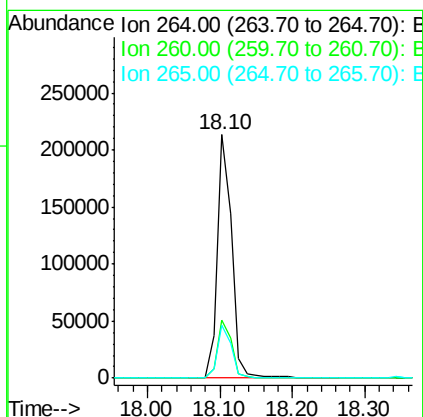
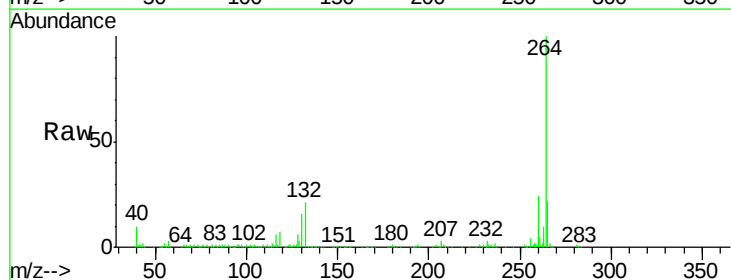
Instrument :
 BNA_F
 ClientSampleId :

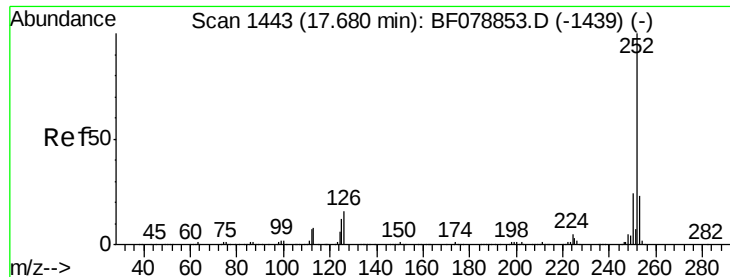
Tot Ion:244 Resp: 831107
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 14.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.10 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF078937.D
 Acq: 5 May 2015 12:59

Tgt Ion:264 Resp: 292546
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.2
 265 21.5 18.3 27.5





#87

Benzo(b)fluoranthene

Concen: 2.98 ng

RT: 17.62 min Scan# 1438

Delta R.T. -0.02 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

Instrument :

BNA_F

ClientSampleId :

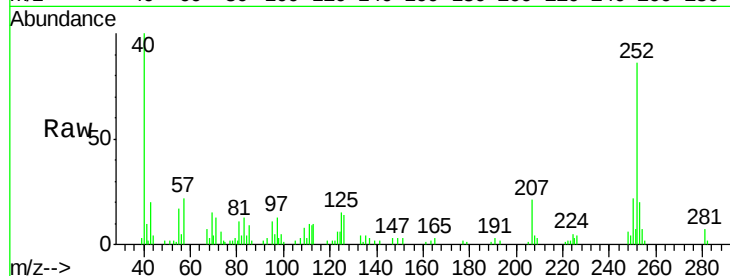
Tot Ion:252 Resp: 47666

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

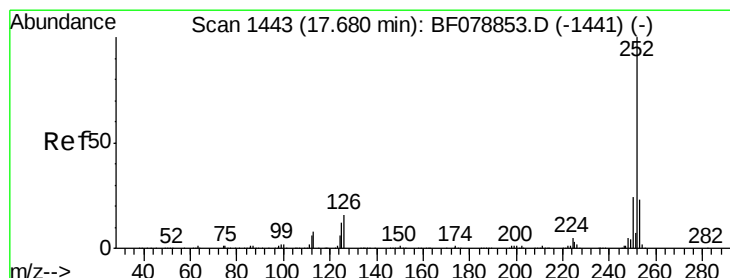
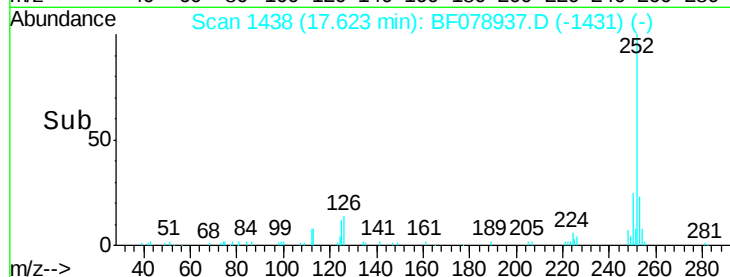
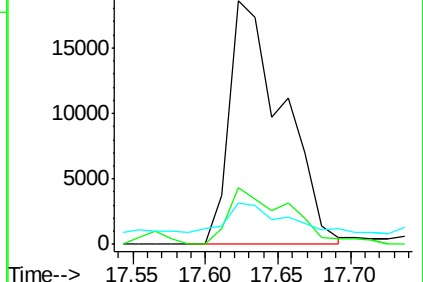
125 17.2 9.5 14.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.14 ng

RT: 17.62 min Scan# 1438

Delta R.T. -0.06 min

Lab File: BF078937.D

Acq: 5 May 2015 12:59

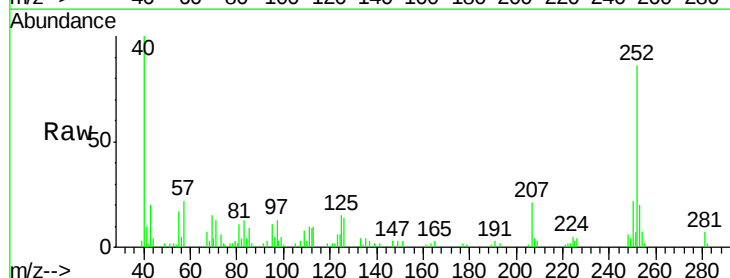
Tgt Ion:252 Resp: 48608

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

125 17.2 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

