

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041015\
 Data File : BM000938.D
 Acq On : 10 Apr 2015 14:10
 Operator : TP/IZ
 Sample : PB82421BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

Quant Time: Apr 10 23:18:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM040915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 23:03:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	29919	5.00	ng	0.00
8) Naphthalene-d8	10.38	136	112076	5.00	ng	0.00
17) Acenaphthene-d10	14.26	164	62495	5.00	ng	0.00
24) Phenanthrene-d10	17.00	188	118778	5.00	ng	0.00
30) Chrysene-d12	21.20	240	105508	5.00	ng	0.00
38) Perylene-d12	23.38	264	92977	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	69058	10.91	ng	0.00
5) Phenol-d6	6.78	99	89220	11.77	ng	0.00
9) Nitrobenzene-d5	8.76	82	50282	9.29	ng	0.00
18) 2,4,6-Tribromophenol	15.76	330	27833	10.70	ng	0.00
19) 2-Fluorobiphenyl	12.88	172	144394	8.25	ng	0.00
33) Terphenyl-d14	19.65	244	124492	9.69	ng	0.00

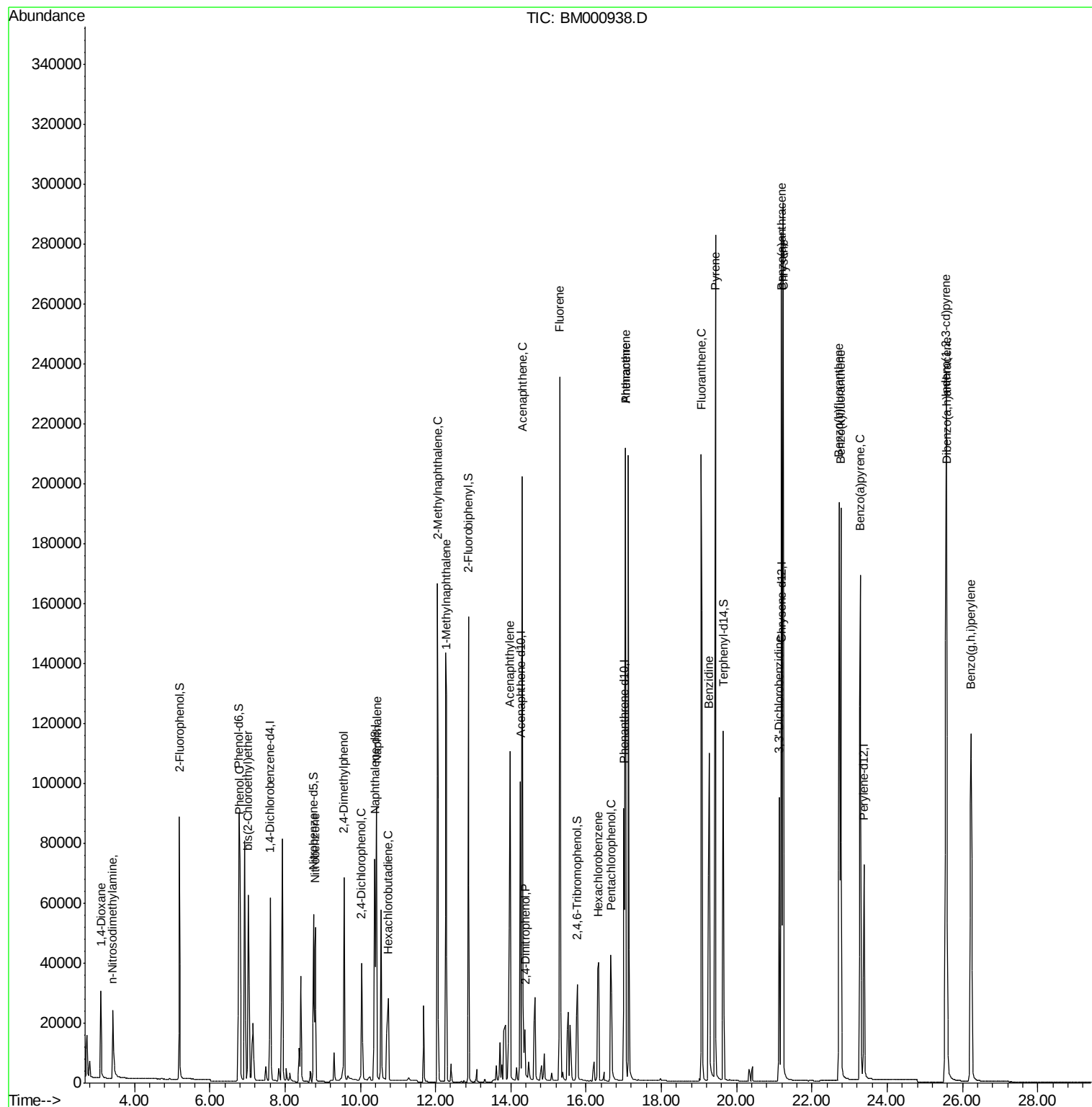
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	18460	7.32	ng	93
3) n-Nitrosodimethylamine	3.41	42	23235	7.99	ng	# 59
6) Phenol	6.80	94	59158	7.59	ng	# 47
7) bis(2-Chloroethyl)ether	7.02	93	52856	7.74	ng	# 1
10) Nitrobenzene	8.80	77	56401	7.10	ng	95
11) 2,4-Dimethylphenol	9.56	122	47084	7.63	ng	94
12) 2,4-Dichlorophenol	10.03	162	42724	7.85	ng	87
13) Naphthalene	10.44	128	166090	7.34	ng	99
14) Hexachlorobutadiene	10.74	225	29183	7.06	ng	99
15) 2-Methylnaphthalene	12.06	142	116244	7.53	ng	98
16) 1-Methylnaphthalene	12.29	142	105526	6.78	ng	100
20) Acenaphthylene	13.97	152	181413	6.99	ng	93
21) Acenaphthene	14.31	154	122643	7.11	ng	# 63
22) 2,4-Dinitrophenol	14.38	184	21351	11.50	ng	# 56
23) Fluorene	15.30	166	155117	7.73	ng	# 71
25) Hexachlorobenzene	16.33	284	52403	8.16	ng	# 67
26) Pentachlorophenol	16.66	266	42563	16.60	ng	# 82
27) Phenanthrene	17.05	178	249270	8.12	ng	94
28) Anthracene	17.05	178	249270	8.86	ng	98
29) Fluoranthene	19.06	202	262844	8.19	ng	84
31) Benzidine	19.27	184	176780	12.53	ng	# 96
32) Pyrene	19.44	202	293287	8.55	ng	95
34) Benzo(a)anthracene	21.19	228	252916	8.31	ng	99
35) 3,3'-Dichlorobenzidine	21.13	252	84426	7.11	ng	# 98
36) Chrysene	21.23	228	255562	8.21	ng	99
37) Indeno(1,2,3-cd)pyrene	25.56	276	257069	8.09	ng	99
39) Benzo(b)fluoranthene	22.72	252	237938	8.18	ng	99
40) Benzo(k)fluoranthene	22.78	252	250439	8.94	ng	96
41) Benzo(a)pyrene	23.29	252	230863	9.01	ng	98
42) Dibenzo(a,h)anthracene	25.58	278	206155	8.68	ng	97
43) Benzo(g,h,i)perylene	26.23	276	220855	8.42	ng	97

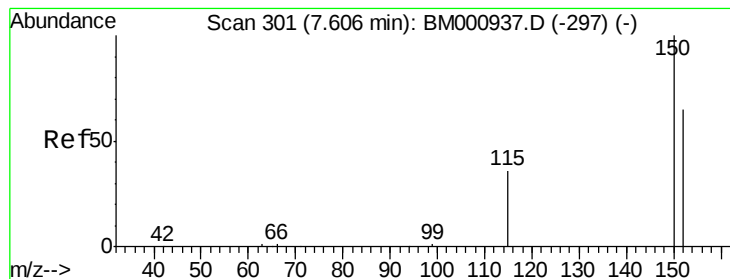
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041015\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 301

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

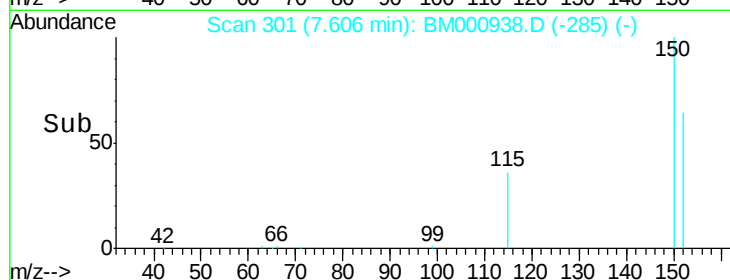
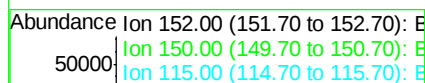
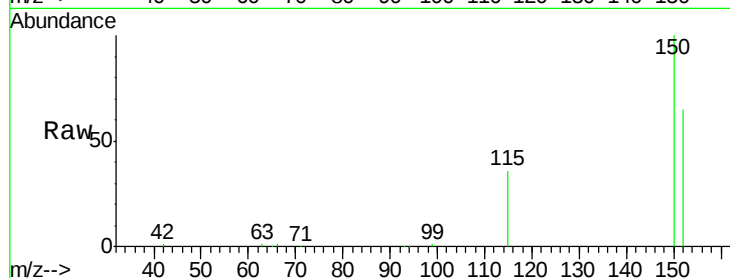
Tgt Ion:152 Resp: 29919

Ion Ratio Lower Upper

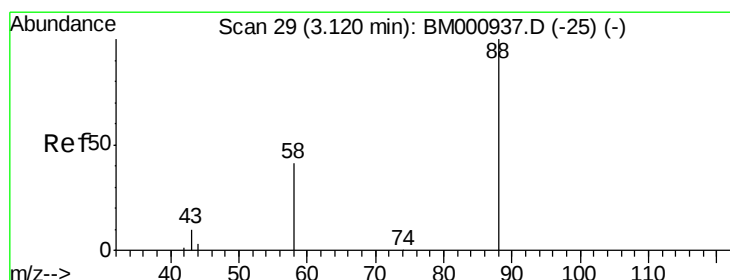
152 100

150 154.9 125.4 188.2

115 56.0 45.9 68.9



Time-->



#2

1,4-Dioxane

Concen: 7.32 ng

RT: 3.10 min Scan# 28

Delta R.T. -0.02 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

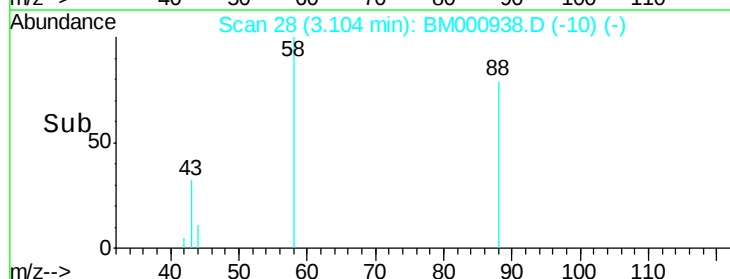
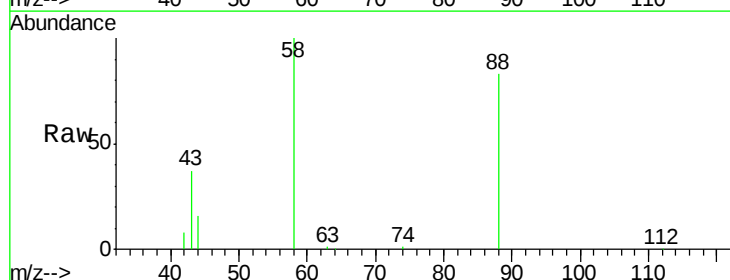
Tgt Ion: 88 Resp: 18460

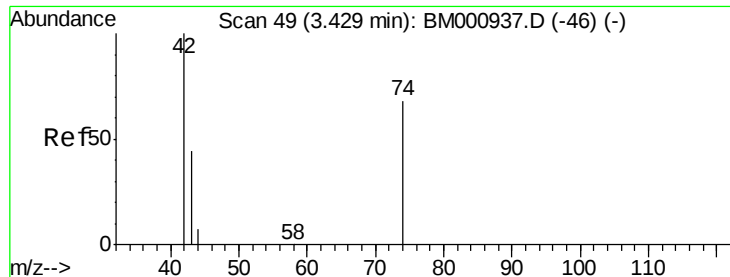
Ion Ratio Lower Upper

88 100

58 86.9 63.0 94.6

43 34.6 27.0 40.4





#3

n-Nitrosodimethylamine

Concen: 7.99 ng

RT: 3.41 min Scan# 48

Delta R.T. -0.02 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

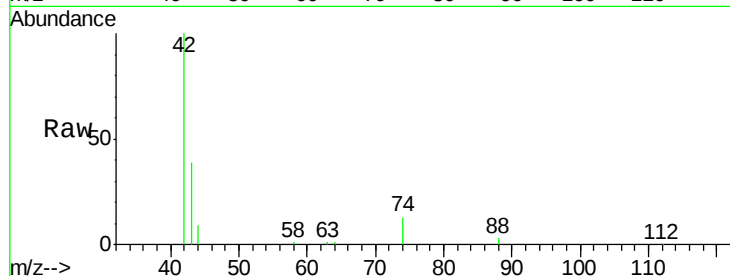
Tgt Ion: 42 Resp: 23235

Ion Ratio Lower Upper

42 100

74 12.8 26.0 39.0#

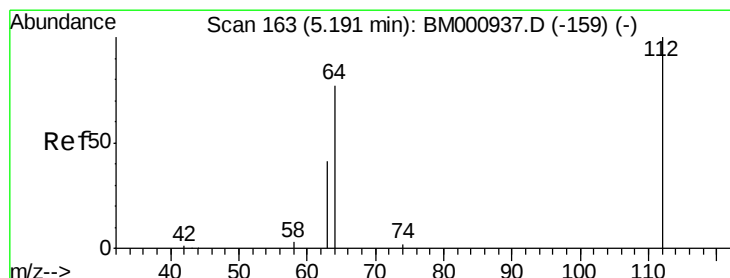
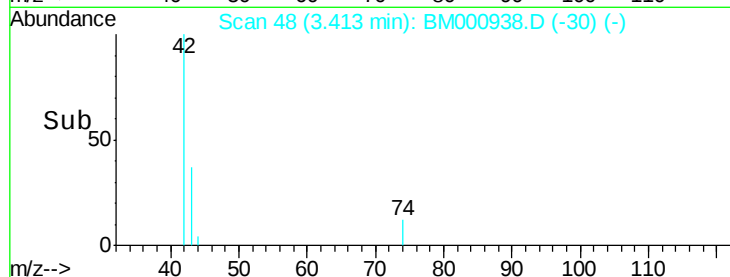
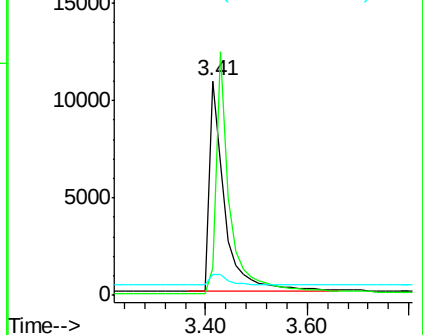
44 9.5 29.0 43.4#



Abundance Ion 42.00 (41.70 to 42.70): BM000937.D (-46) (-)

Ion 74.00 (73.70 to 74.70): BM000937.D (-46) (-)

Ion 44.00 (43.70 to 44.70): BM000937.D (-46) (-)



#4

2-Fluorophenol

Concen: 10.91 ng

RT: 5.19 min Scan# 163

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

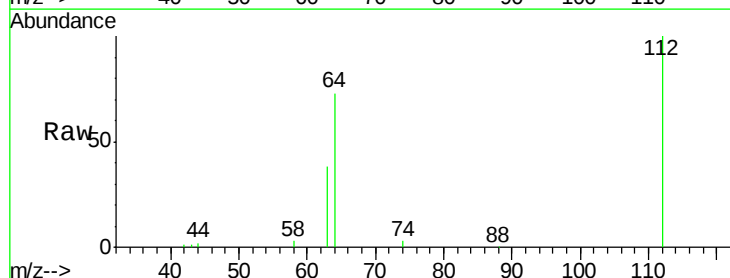
Tgt Ion: 112 Resp: 69058

Ion Ratio Lower Upper

112 100

64 72.9 31.8 47.8#

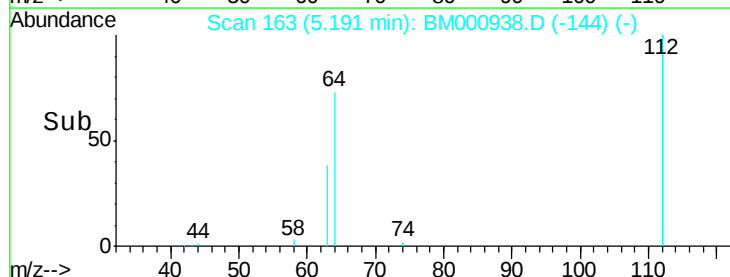
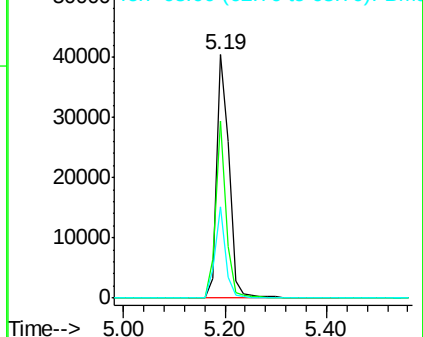
63 37.6 14.5 21.7#

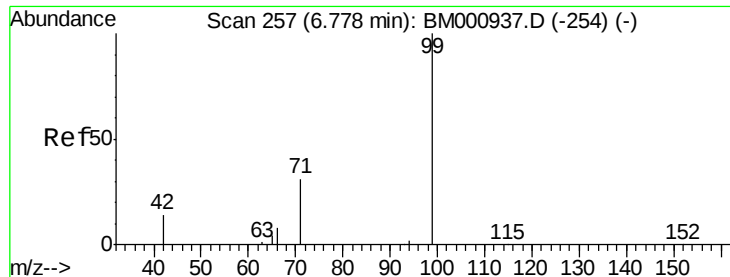


Abundance Ion 112.00 (111.70 to 112.70): BM000937.D (-159) (-)

Ion 64.00 (63.70 to 64.70): BM000937.D (-159) (-)

Ion 63.00 (62.70 to 63.70): BM000937.D (-159) (-)





#5

Phenol-d6

Concen: 11.77 ng

RT: 6.78 min Scan# 257

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

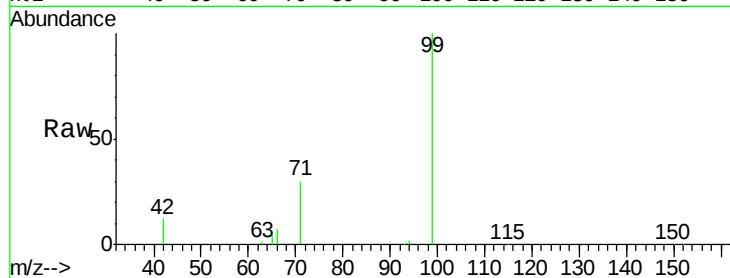
Instrument :

BNA_M

ClientSampleId :

PB82421BS

Tgt Ion:	99	Resp:	89220
Ion	Ratio	Lower	Upper
99	100		
42	12.3	14.1	21.1#
71	30.5	28.0	42.0

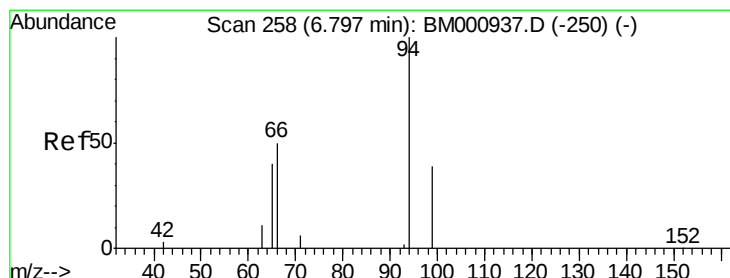
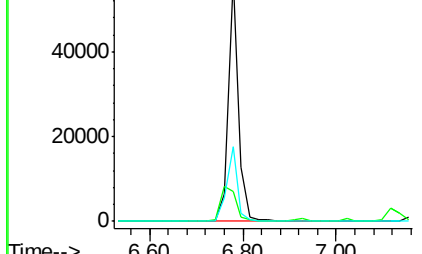
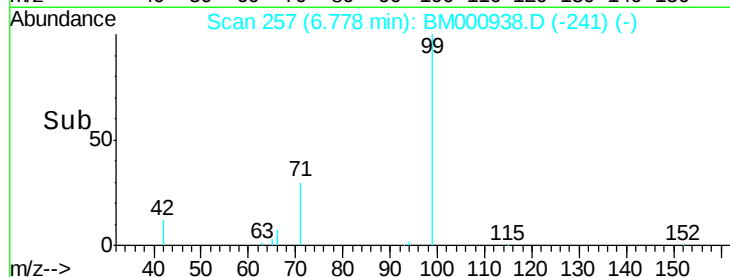


Abundance Ion 99.00 (98.70 to 99.70): BM000938.D (-254) (-)

Ion 42.00 (41.70 to 42.70): BM000938.D (-254) (-)

Ion 71.00 (70.70 to 71.70): BM000938.D (-254) (-)

Time-->



#6

Phenol

Concen: 7.59 ng

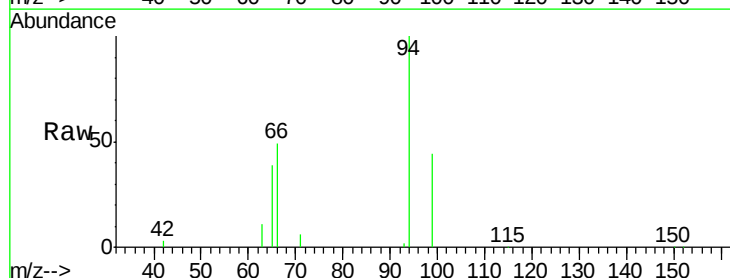
RT: 6.80 min Scan# 258

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Tgt Ion:	94	Resp:	59158
Ion	Ratio	Lower	Upper
94	100		
65	39.1	0.0	36.0#
66	49.3	3.7	43.7#

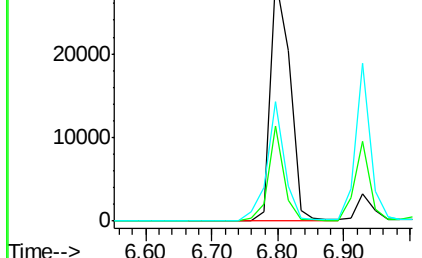
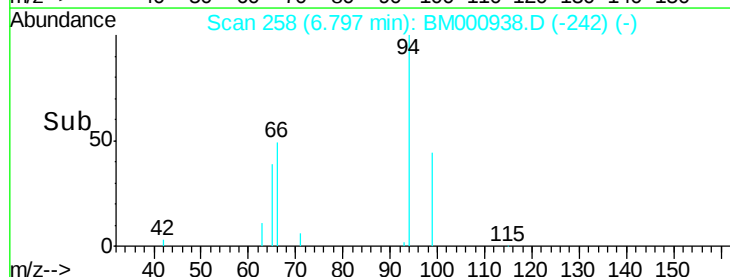


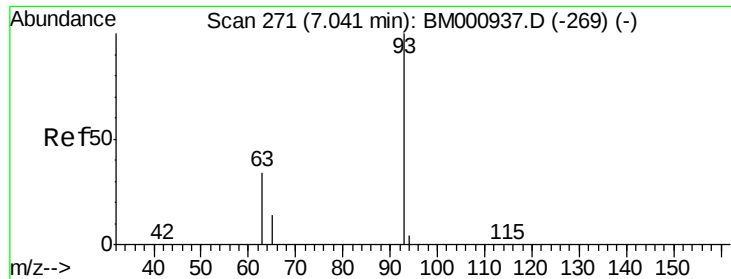
Abundance Ion 94.00 (93.70 to 94.70): BM000938.D (-250) (-)

Ion 65.00 (64.70 to 65.70): BM000938.D (-250) (-)

Ion 66.00 (65.70 to 66.70): BM000938.D (-250) (-)

Time-->





#7

bis(2-Chloroethyl)ether

Concen: 7.74 ng

RT: 7.02 min Scan# 270

Delta R.T. -0.02 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

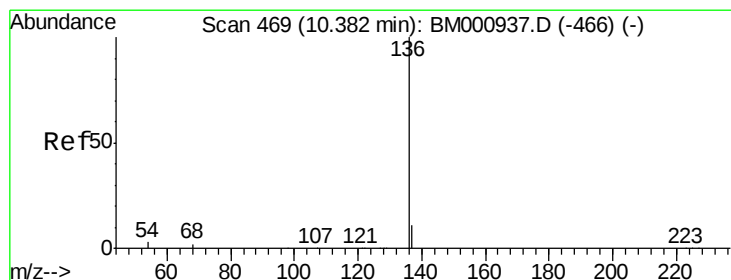
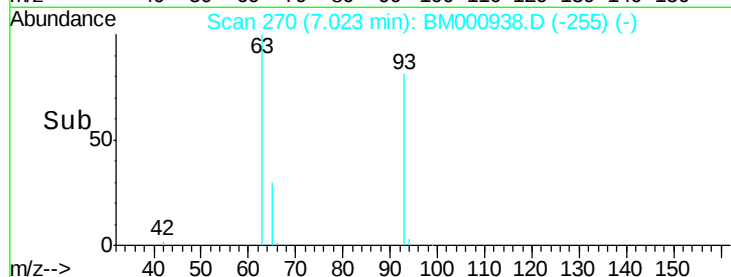
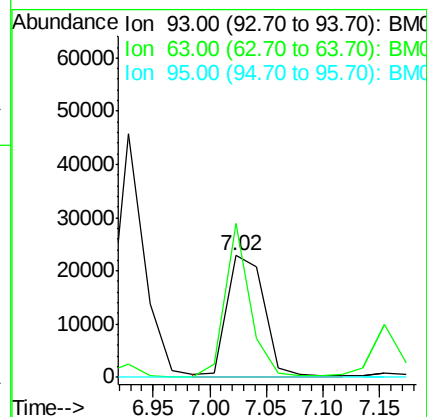
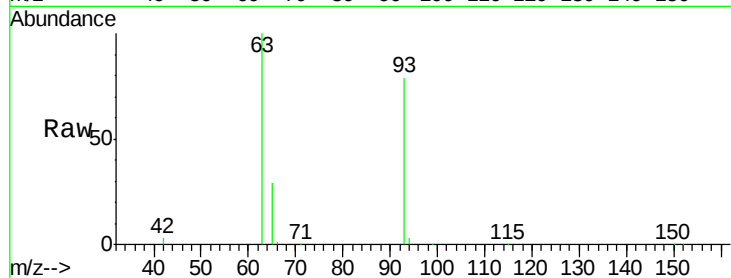
Tgt Ion: 93 Resp: 52856

Ion Ratio Lower Upper

93 100

63 126.9 24.0 64.0#

95 0.0 0.0 20.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 469

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Tgt Ion: 136 Resp: 112076

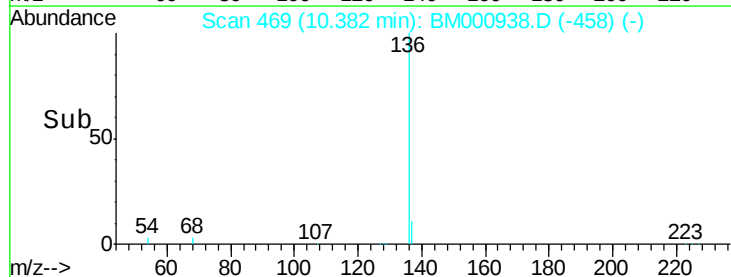
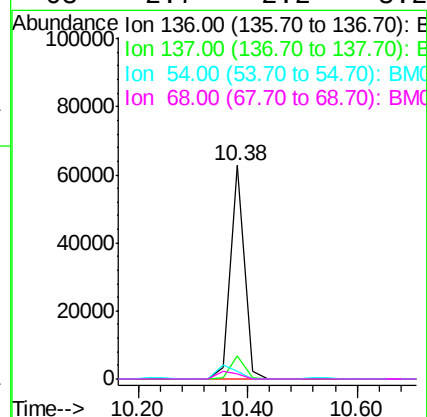
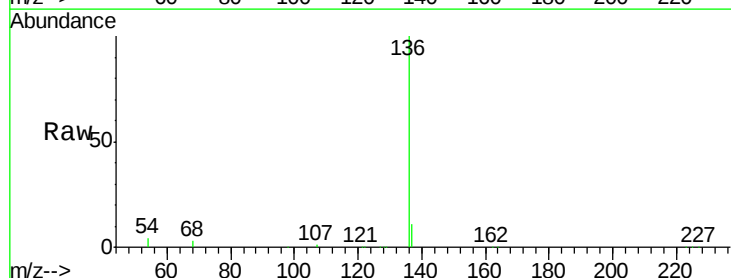
Ion Ratio Lower Upper

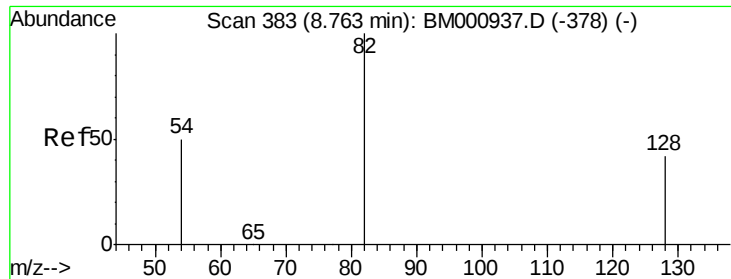
136 100

137 10.9 8.6 13.0

54 3.6 2.9 4.3

68 2.7 2.2 3.2





#9

Nitrobenzene-d5

Concen: 9.29 ng

RT: 8.76 min Scan# 383

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

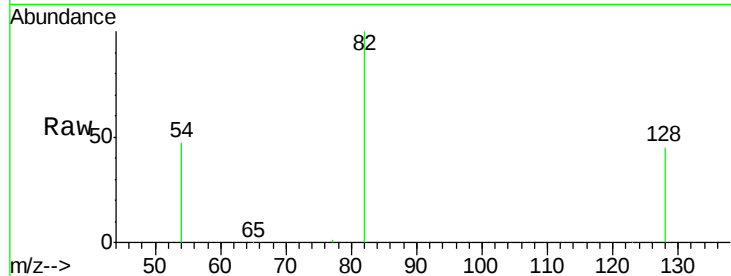
Tgt Ion: 82 Resp: 50282

Ion Ratio Lower Upper

82 100

128 44.9 33.4 50.0

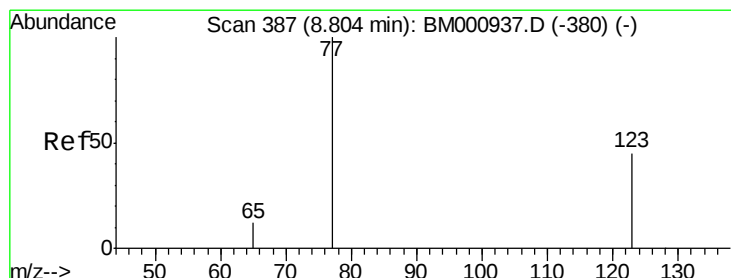
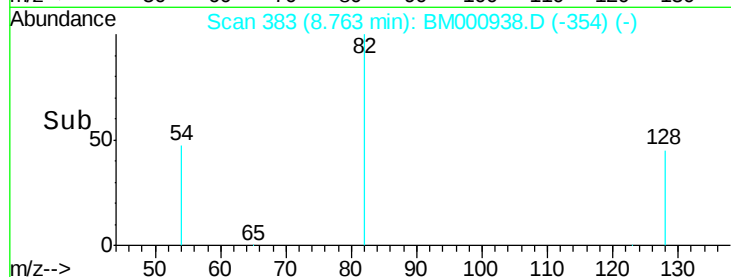
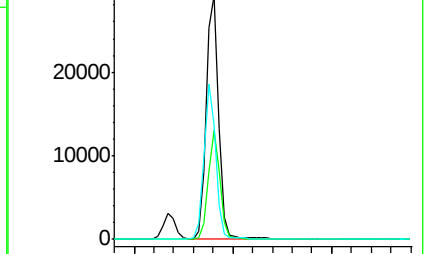
54 46.8 40.5 60.7



Abundance Ion 82.00 (81.70 to 82.70): BM000937.D (-378) (-)

Ion 128.00 (127.70 to 128.70): BM000937.D (-378) (-)

Ion 54.00 (53.70 to 54.70): BM000937.D (-378) (-)



#10

Nitrobenzene

Concen: 7.10 ng

RT: 8.80 min Scan# 387

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

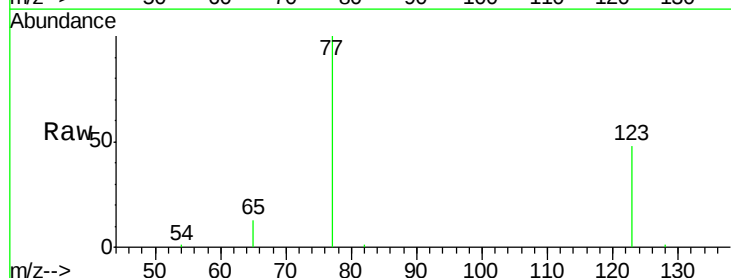
Tgt Ion: 77 Resp: 56401

Ion Ratio Lower Upper

77 100

123 48.0 35.0 52.6

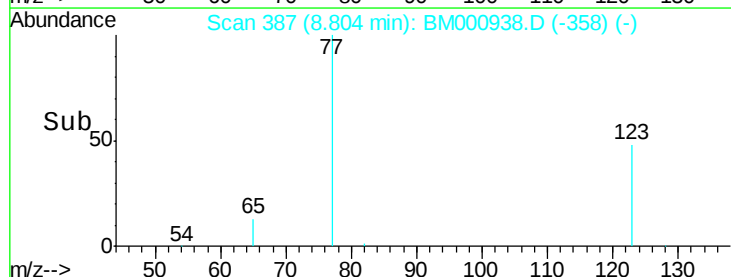
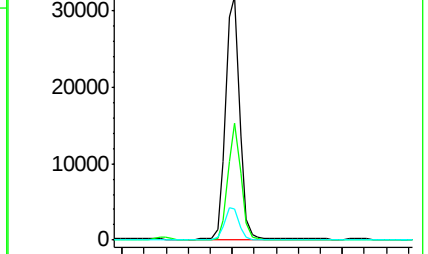
65 12.7 10.7 16.1

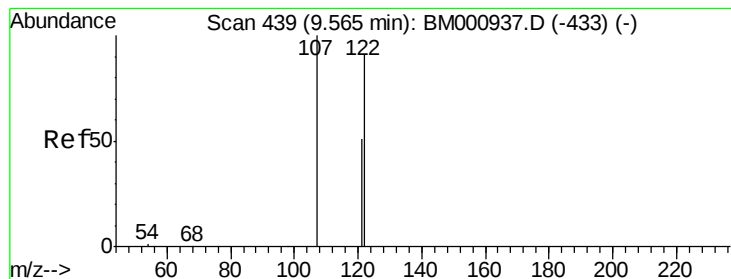


Abundance Ion 77.00 (76.70 to 77.70): BM000937.D (-380) (-)

Ion 123.00 (122.70 to 123.70): BM000937.D (-380) (-)

Ion 65.00 (64.70 to 65.70): BM000937.D (-380) (-)

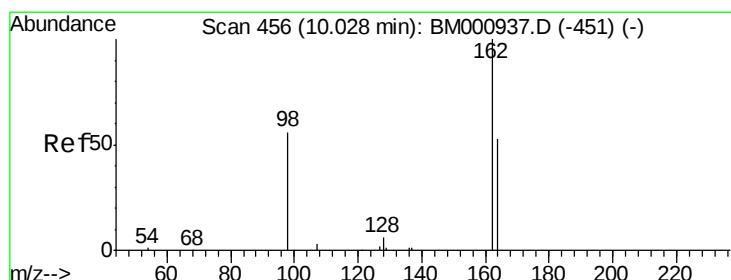
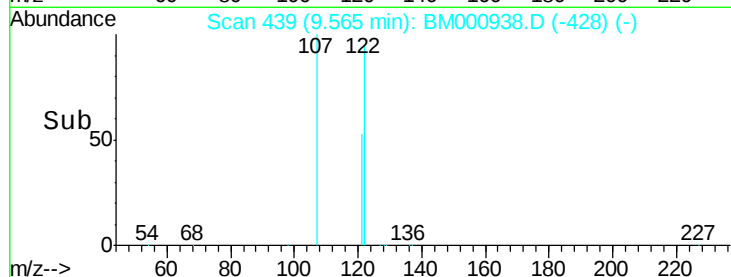
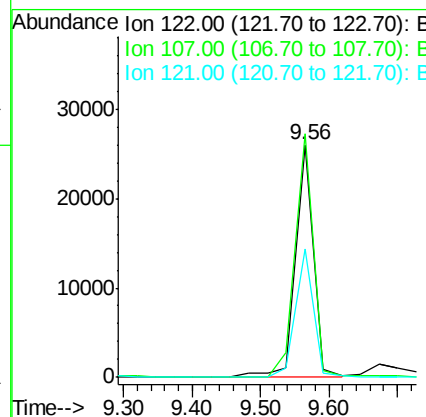
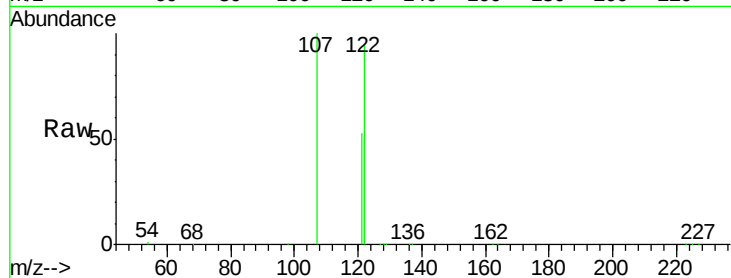




#11
 2,4-Dimethylphenol
 Concen: 7.63 ng
 RT: 9.56 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: BM000938.D
 Acq: 10 Apr 2015 14:10

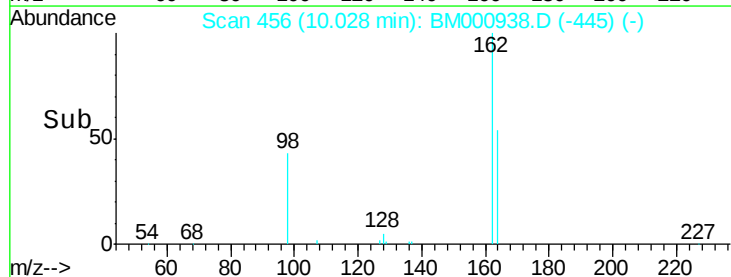
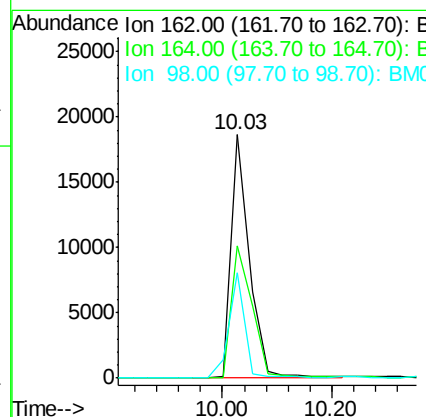
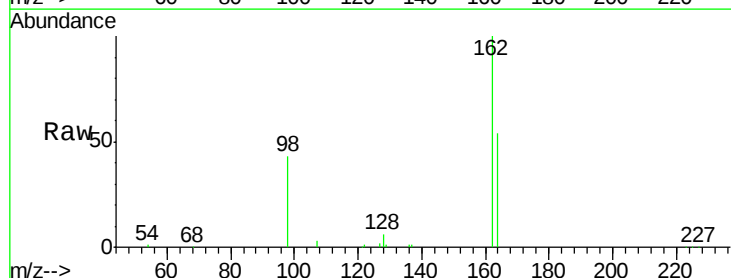
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

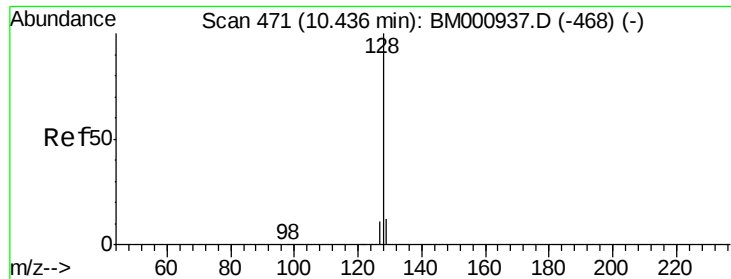
Tgt Ion:122 Resp: 47084
 Ion Ratio Lower Upper
 122 100
 107 104.9 89.8 134.6
 121 55.2 46.6 70.0



#12
 2,4-Dichlorophenol
 Concen: 7.85 ng
 RT: 10.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: BM000938.D
 Acq: 10 Apr 2015 14:10

Tgt Ion:162 Resp: 42724
 Ion Ratio Lower Upper
 162 100
 164 54.4 32.5 72.5
 98 43.4 40.5 80.5

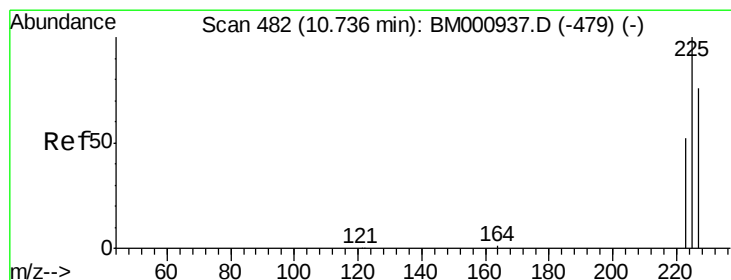
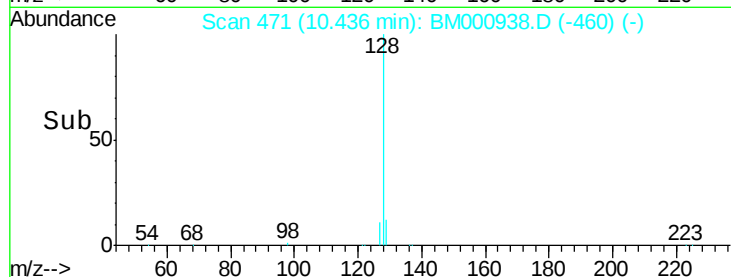
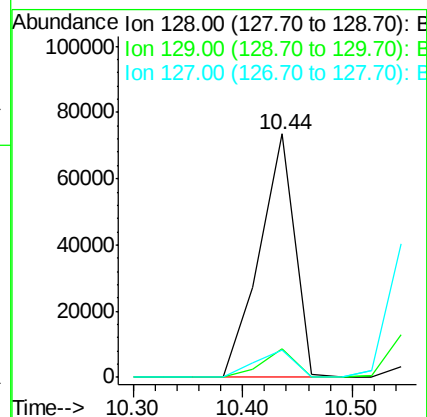
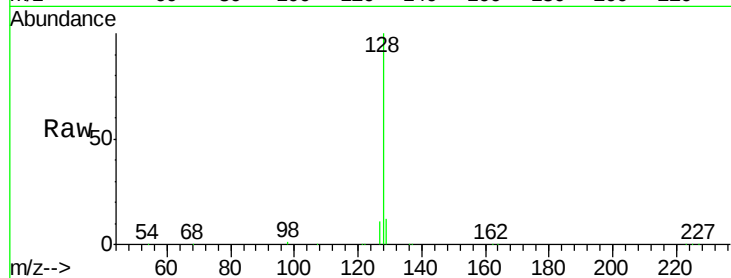




#13
Naphthalene
Concen: 7.34 ng
RT: 10.44 min Scan# 471
Delta R.T. 0.00 min
Lab File: BM000938.D
Acq: 10 Apr 2015 14:10

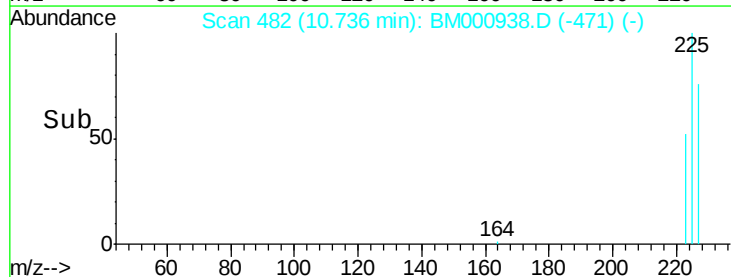
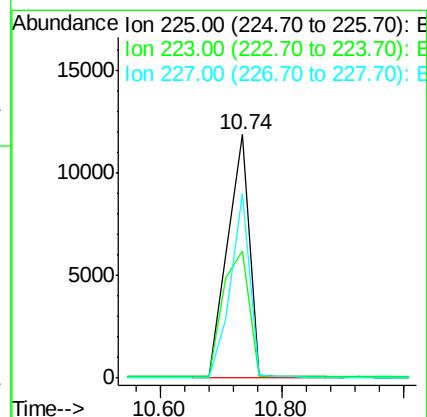
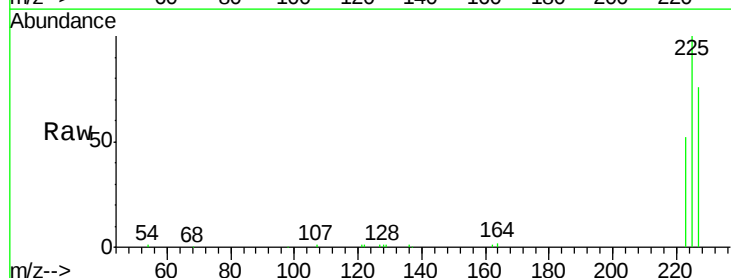
Instrument :
BNA_M
ClientSampleId :
PB82421BS

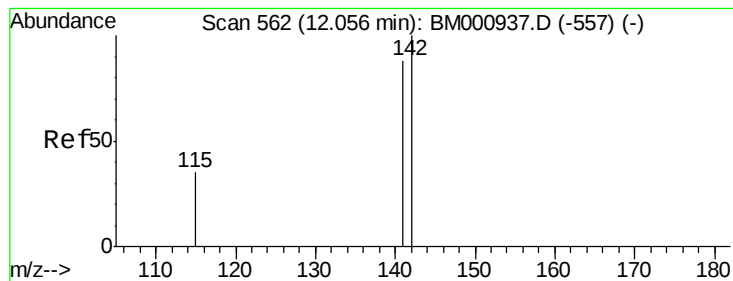
Tgt Ion:128 Resp: 166090
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 11.0 9.1 13.7



#14
Hexachlorobutadiene
Concen: 7.06 ng
RT: 10.74 min Scan# 482
Delta R.T. 0.00 min
Lab File: BM000938.D
Acq: 10 Apr 2015 14:10

Tgt Ion:225 Resp: 29183
Ion Ratio Lower Upper
225 100
223 52.0 42.2 63.2
227 75.7 61.4 92.2





#15

2-Methylnaphthalene

Concen: 7.53 ng

RT: 12.06 min Scan# 562

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

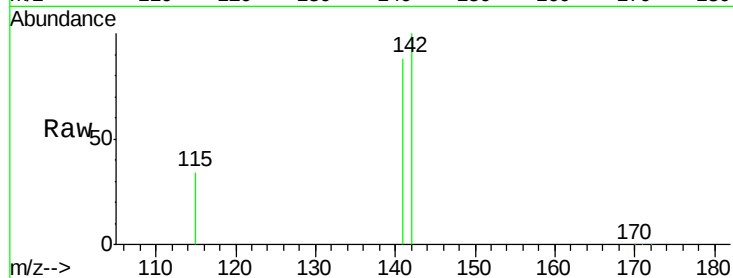
Tgt Ion:142 Resp: 116244

Ion Ratio Lower Upper

142 100

141 88.0 71.2 106.8

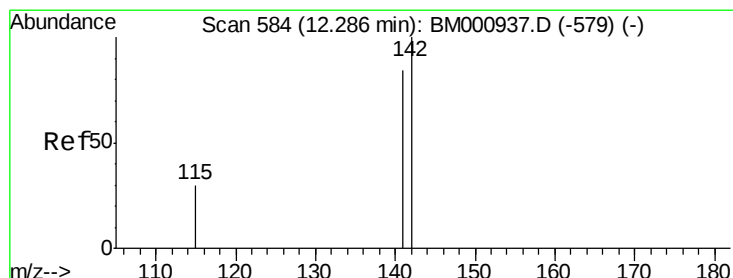
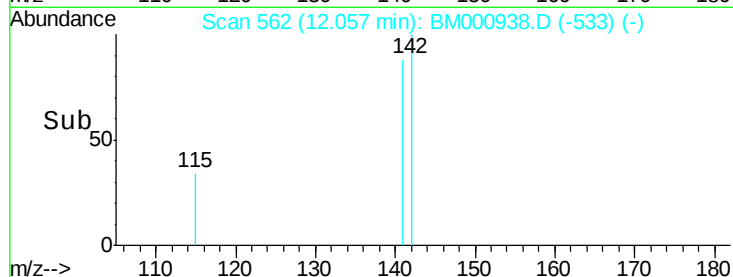
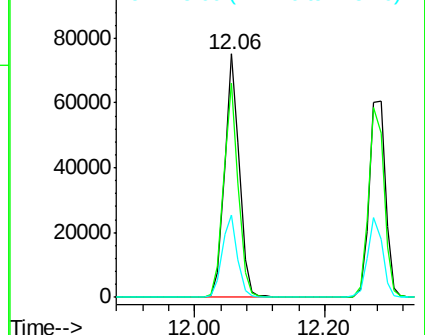
115 33.8 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#16

1-Methylnaphthalene

Concen: 6.78 ng

RT: 12.29 min Scan# 584

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

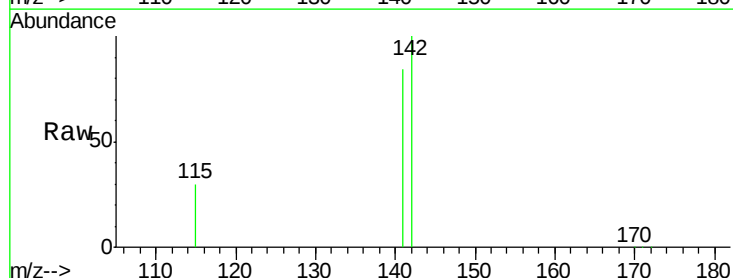
Tgt Ion:142 Resp: 105526

Ion Ratio Lower Upper

142 100

141 83.7 66.7 100.1

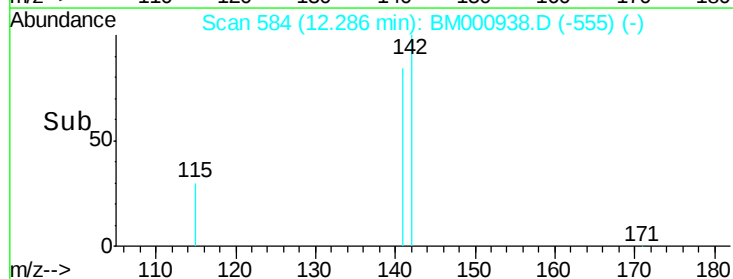
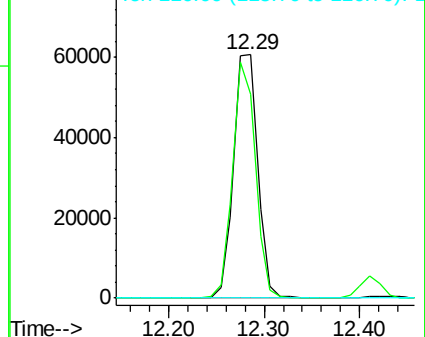
116 0.0 0.0 0.0

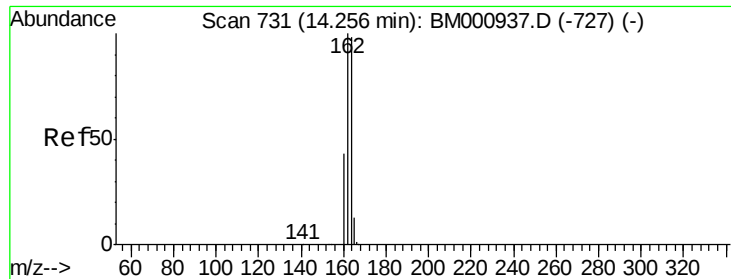


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

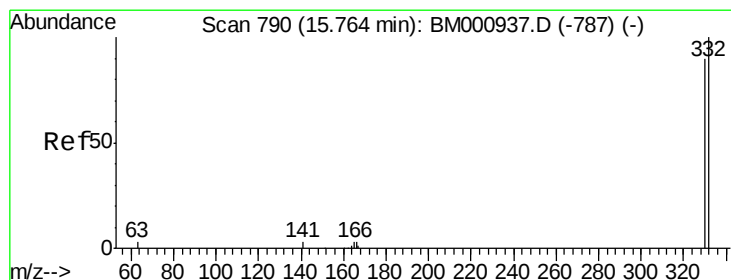
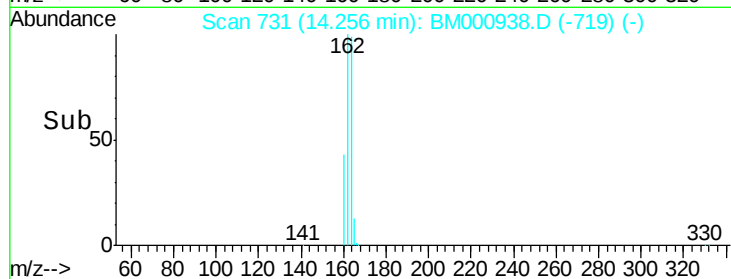
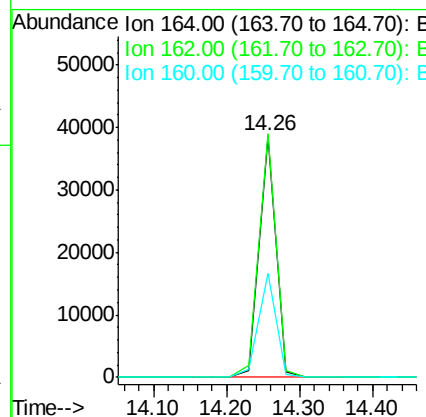
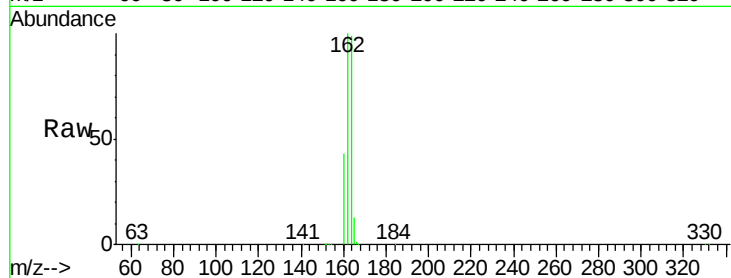




#17
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 731
Delta R.T. 0.00 min
Lab File: BM000938.D
Acq: 10 Apr 2015 14:10

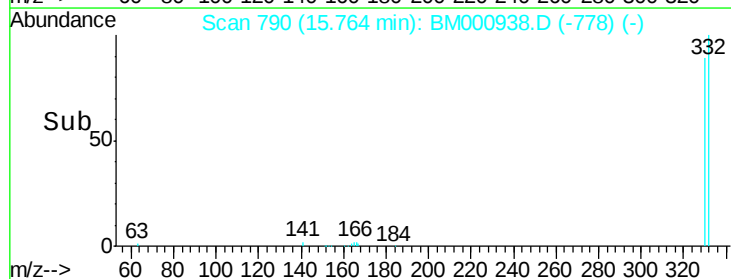
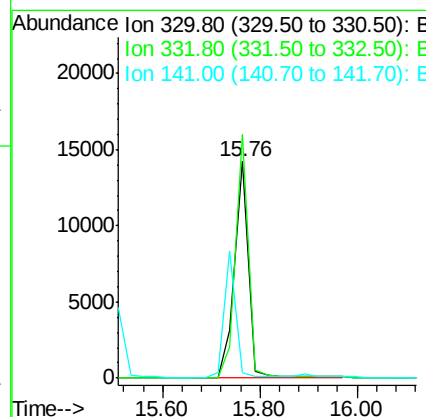
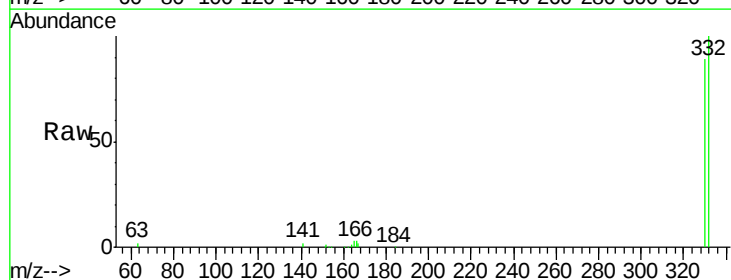
Instrument :
BNA_M
ClientSampleId :
PB82421BS

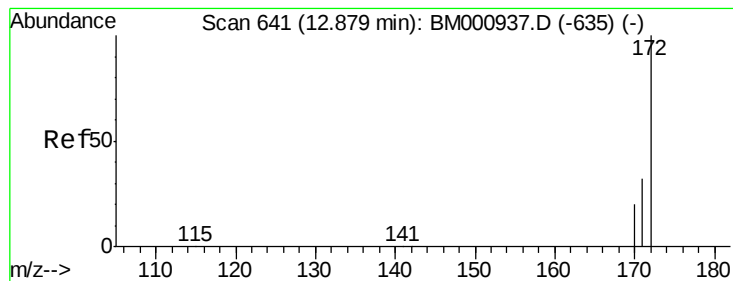
Tgt Ion:164 Resp: 62495
Ion Ratio Lower Upper
164 100
162 100.8 96.1 144.1
160 43.1 48.2 72.2#



#18
2,4,6-Tribromophenol
Concen: 10.70 ng
RT: 15.76 min Scan# 790
Delta R.T. 0.00 min
Lab File: BM000938.D
Acq: 10 Apr 2015 14:10

Tgt Ion:330 Resp: 27833
Ion Ratio Lower Upper
330 100
332 104.1 75.4 113.2
141 0.0 0.0 0.0





#19

2-Fluorobiphenyl

Concen: 8.25 ng

RT: 12.88 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampled :

PB82421BS

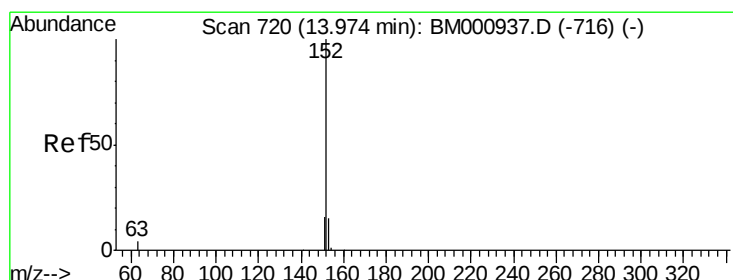
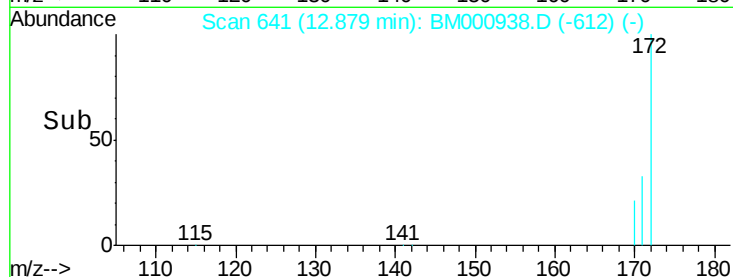
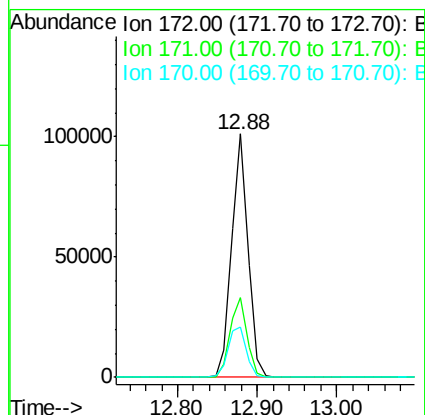
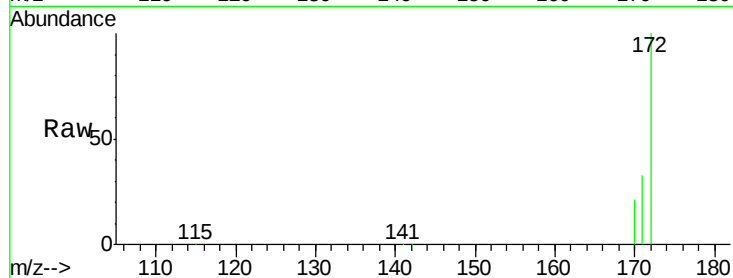
Tgt Ion:172 Resp: 144394

Ion Ratio Lower Upper

172 100

171 32.6 26.7 40.1

170 20.6 17.0 25.4



#20

Acenaphthylene

Concen: 6.99 ng

RT: 13.97 min Scan# 720

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

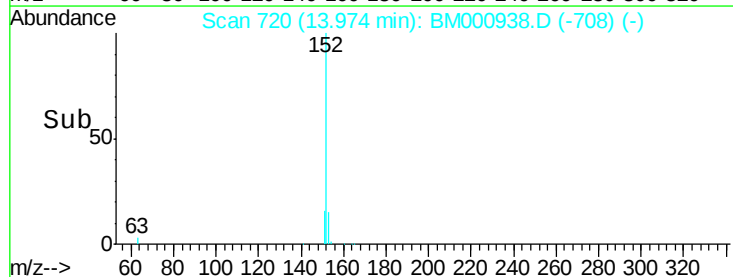
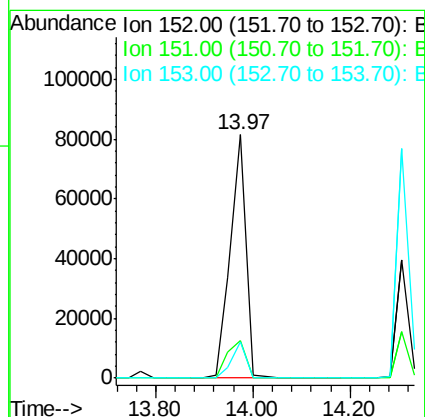
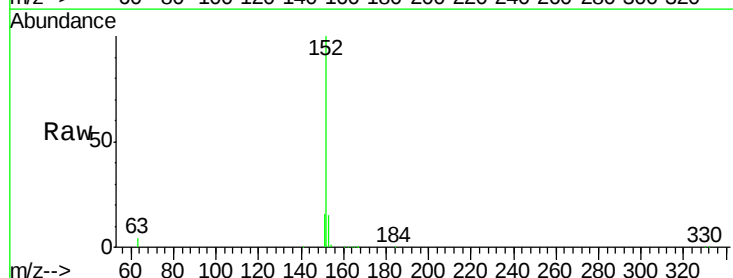
Tgt Ion:152 Resp: 181413

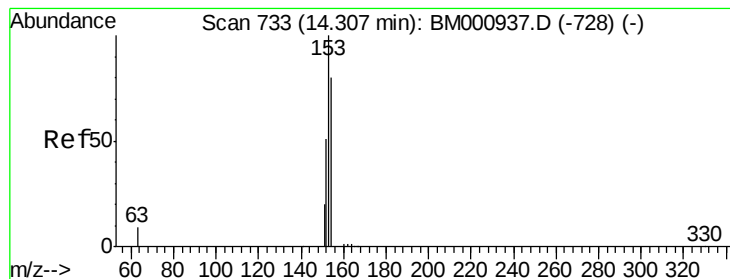
Ion Ratio Lower Upper

152 100

151 15.6 15.4 23.0

153 14.8 10.2 15.2





#21

Acenaphthene

Concen: 7.11 ng

RT: 14.31 min Scan# 733

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

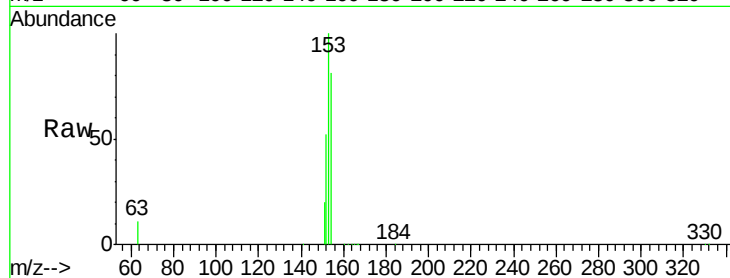
Tgt Ion:154 Resp: 122643

Ion Ratio Lower Upper

154 100

153 124.0 73.7 110.5#

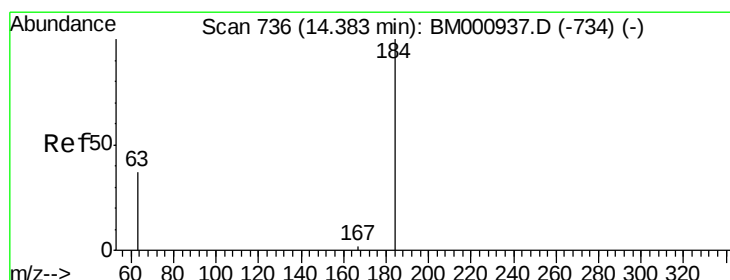
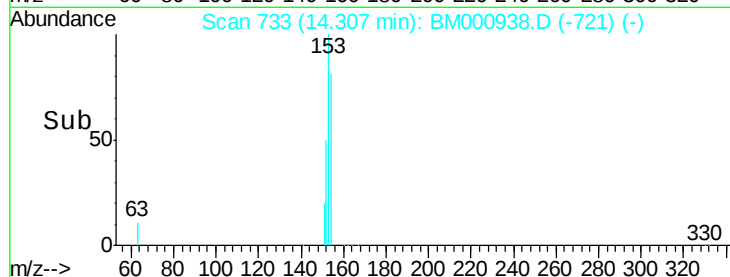
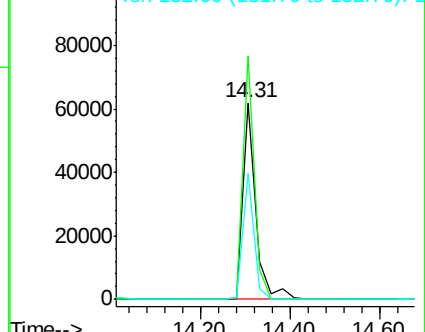
152 63.9 29.0 43.6#



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



#22

2,4-Dinitrophenol

Concen: 11.50 ng

RT: 14.38 min Scan# 736

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

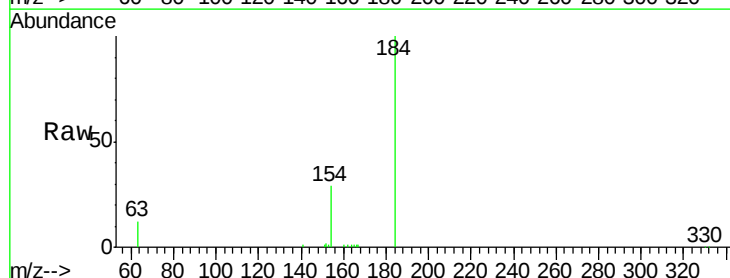
Tgt Ion:184 Resp: 21351

Ion Ratio Lower Upper

184 100

63 12.5 39.0 58.4#

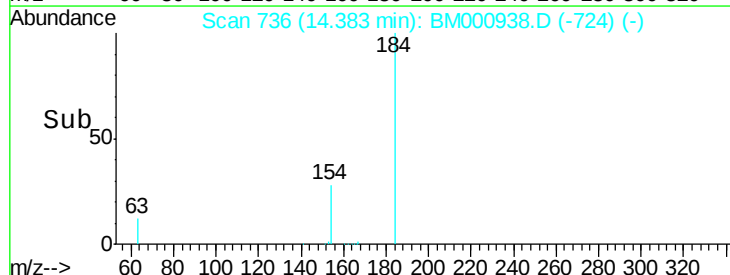
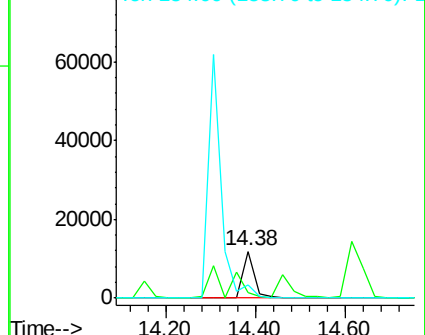
154 28.8 43.8 65.8#

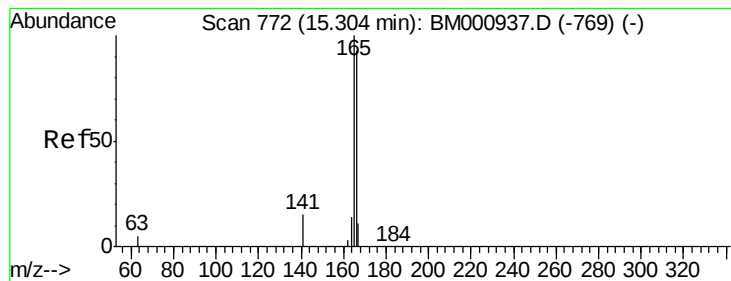


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





#23

Fluorene

Concen: 7.73 ng

RT: 15.30 min Scan# 772

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

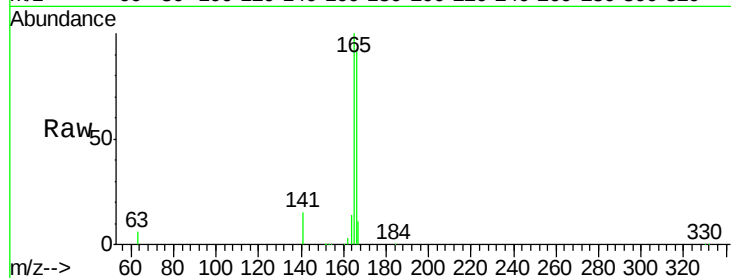
Tgt Ion:166 Resp: 155117

Ion Ratio Lower Upper

166 100

165 108.8 63.7 95.5#

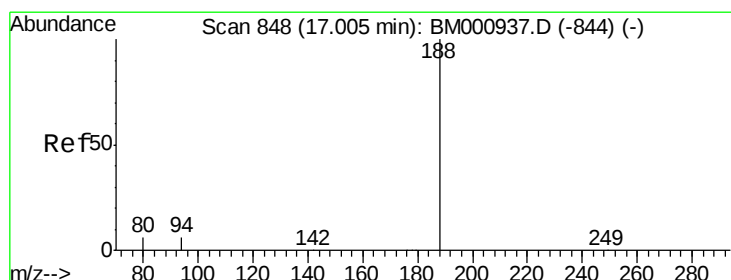
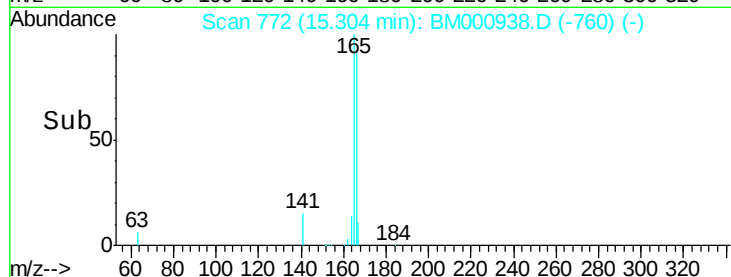
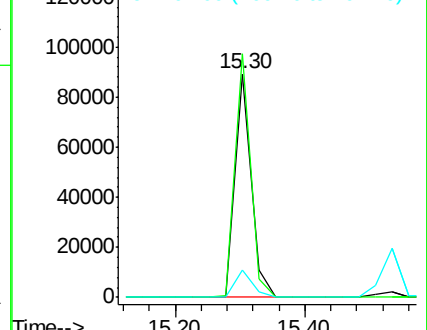
167 12.1 12.7 19.1#



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



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.00 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

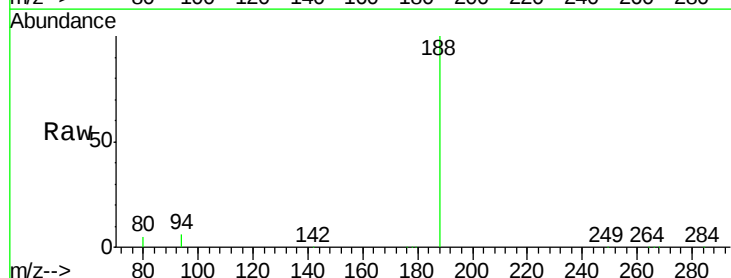
Tgt Ion:188 Resp: 118778

Ion Ratio Lower Upper

188 100

94 5.8 12.2 18.4#

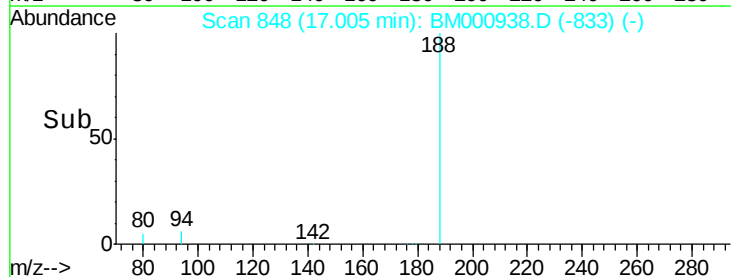
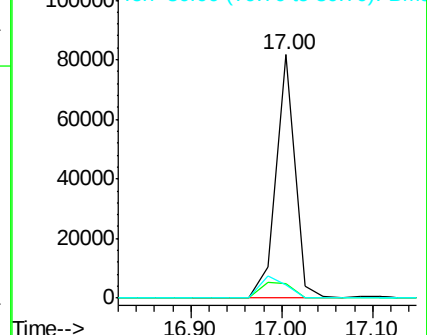
80 5.3 13.4 20.0#

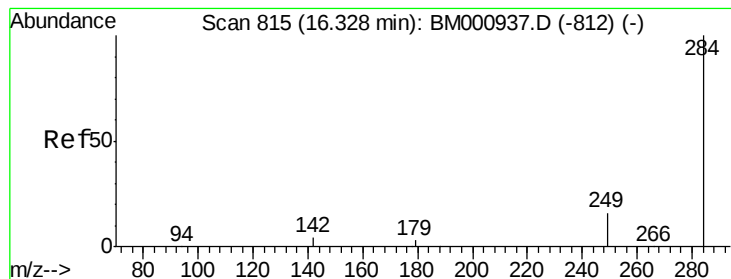


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#25

Hexachlorobenzene

Concen: 8.16 ng

RT: 16.33 min Scan# 815

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

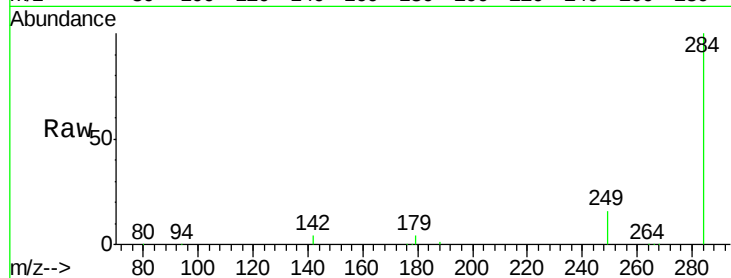
Tgt Ion:284 Resp: 52403

Ion Ratio Lower Upper

284 100

142 3.8 16.2 24.2#

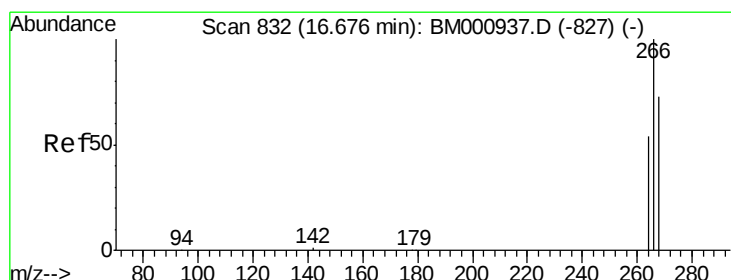
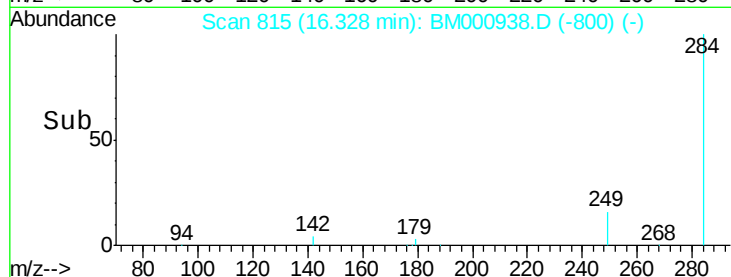
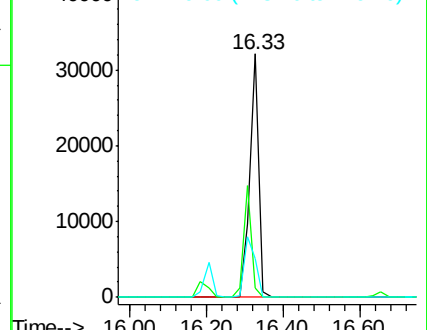
249 16.1 27.4 41.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#26

Pentachlorophenol

Concen: 16.60 ng

RT: 16.66 min Scan# 831

Delta R.T. -0.02 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

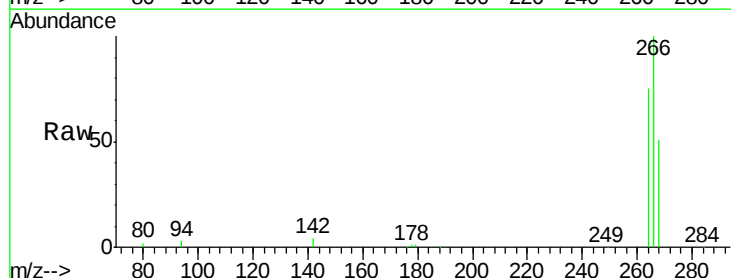
Tgt Ion:266 Resp: 42563

Ion Ratio Lower Upper

266 100

268 51.0 53.0 79.4#

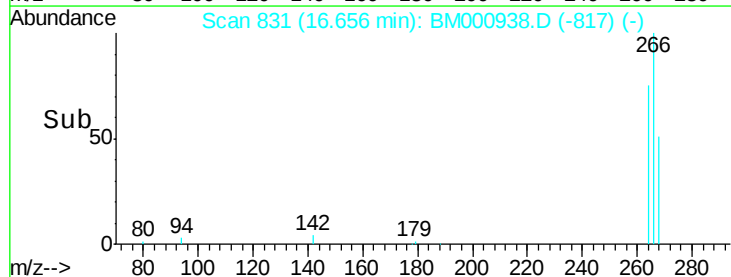
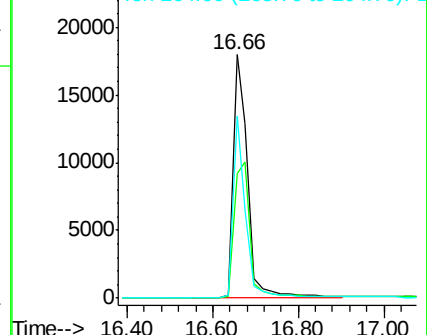
264 74.7 49.4 74.0#

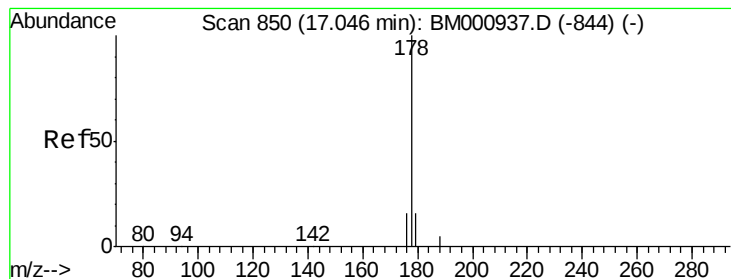


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#27

Phenanthrene

Concen: 8.12 ng

RT: 17.05 min Scan# 850

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

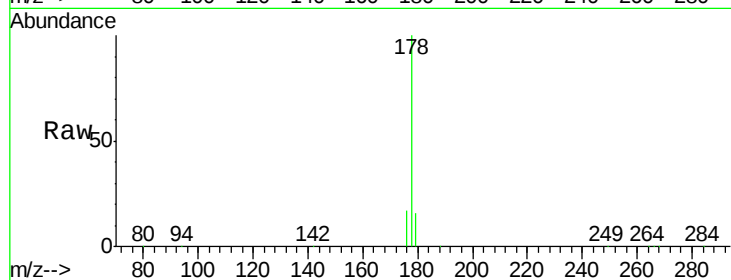
Tgt Ion:178 Resp: 249270

Ion Ratio Lower Upper

178 100

176 16.7 16.0 24.0

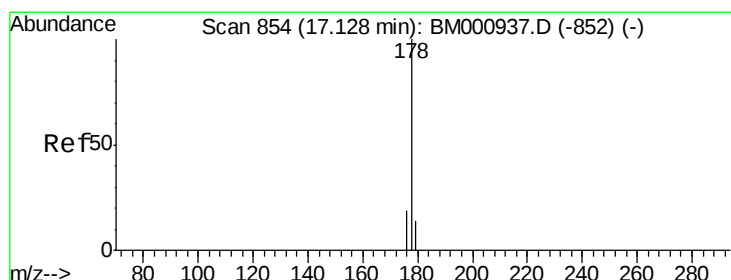
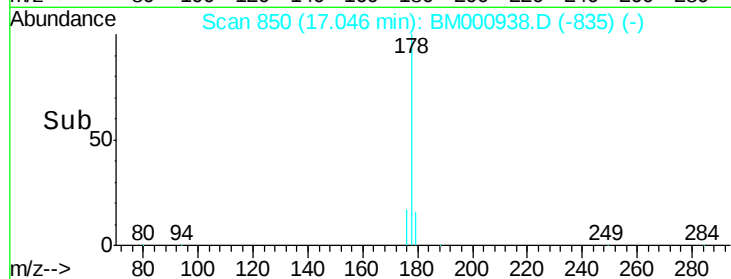
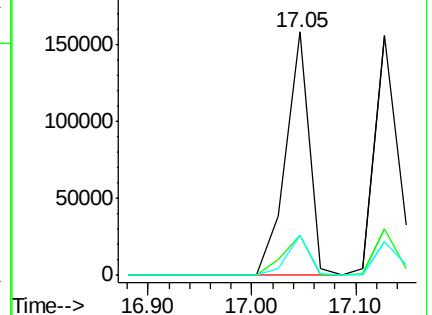
179 16.2 11.4 17.2



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



#28

Anthracene

Concen: 8.86 ng

RT: 17.05 min Scan# 850

Delta R.T. -0.08 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

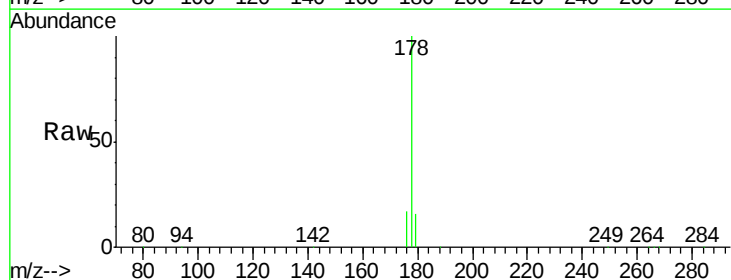
Tgt Ion:178 Resp: 249270

Ion Ratio Lower Upper

178 100

176 16.7 12.7 19.1

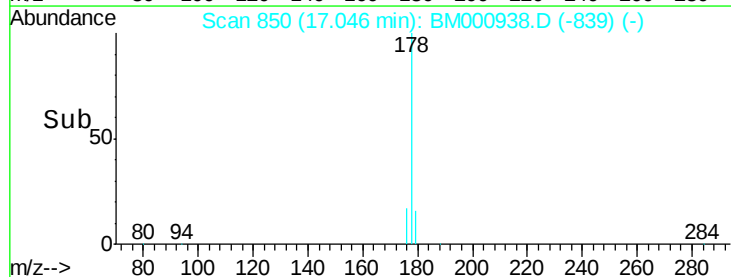
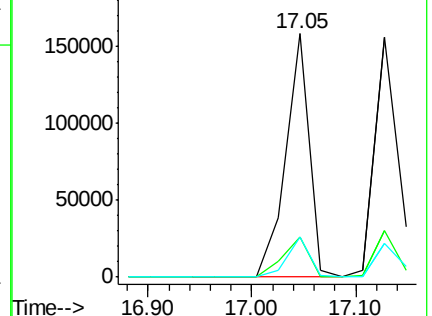
179 16.2 13.9 20.9

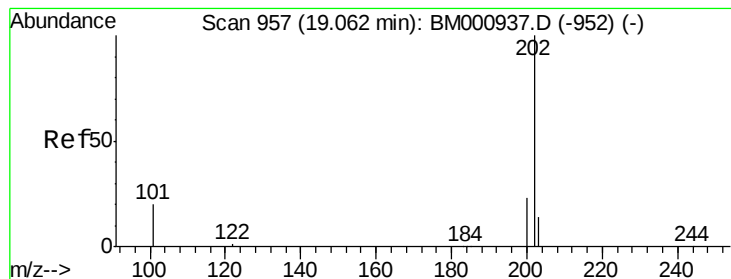


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Fluoranthene

Concen: 8.19 ng

RT: 19.06 min Scan# 957

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

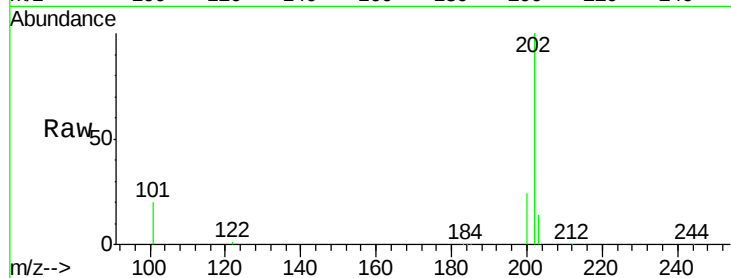
Tgt Ion:202 Resp: 262844

Ion Ratio Lower Upper

202 100

101 19.8 0.0 24.1

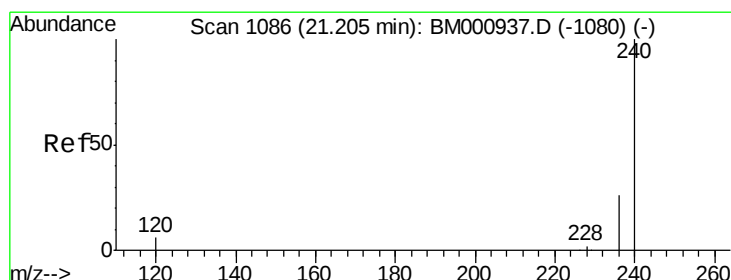
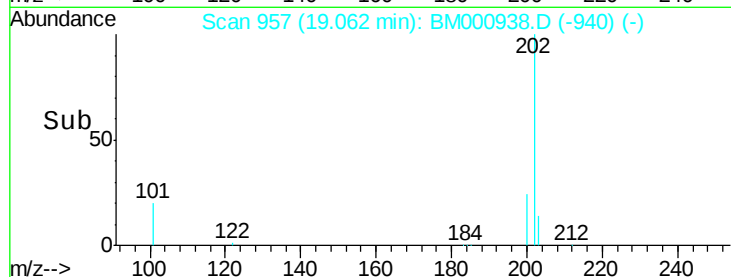
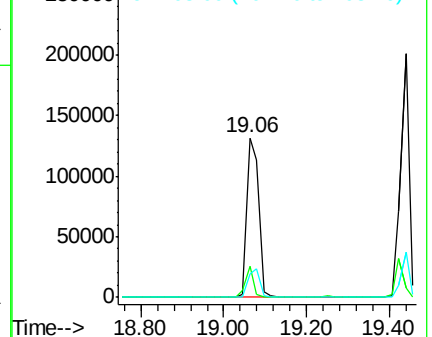
203 14.3 0.0 38.4



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



#30

Chrysene-d12

Concen: 5.00 ng

RT: 21.20 min Scan# 1086

Delta R.T. -0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

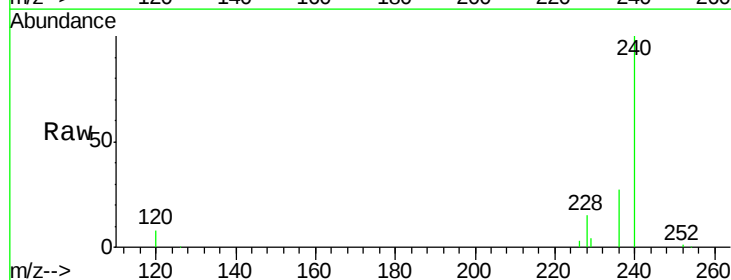
Tgt Ion:240 Resp: 105508

Ion Ratio Lower Upper

240 100

120 8.3 6.8 10.2

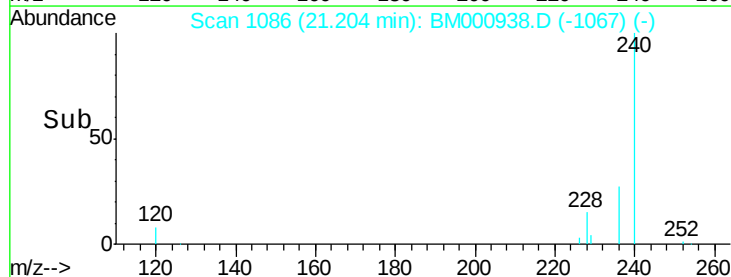
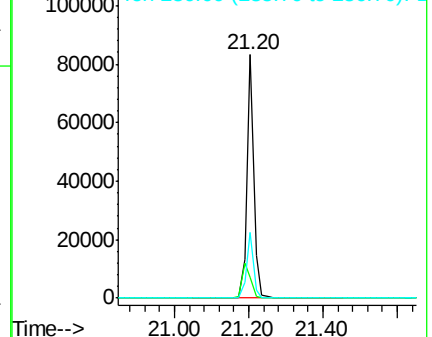
236 26.9 22.1 33.1

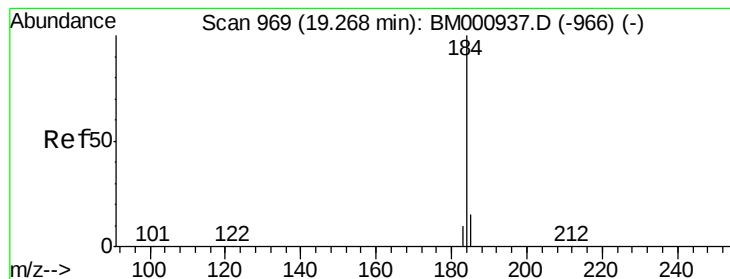


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Benzidine

Concen: 12.53 ng

RT: 19.27 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

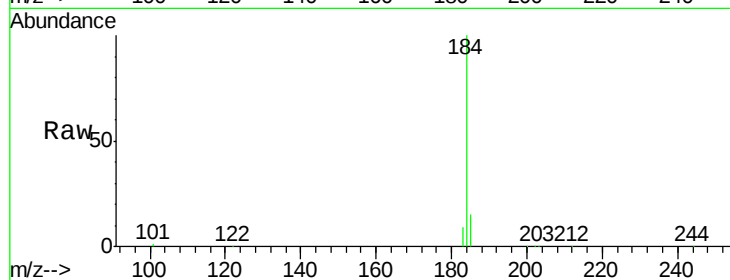
Tgt Ion:184 Resp: 176780

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.4

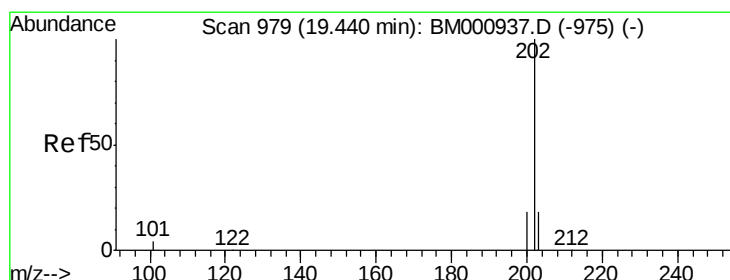
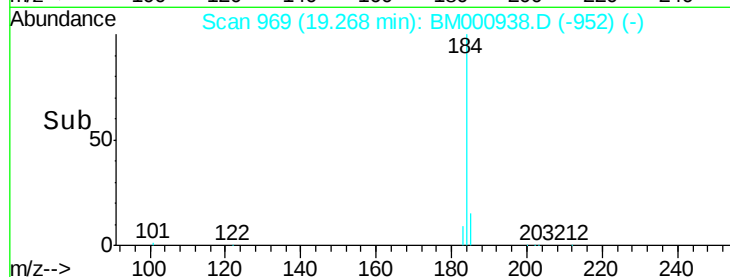
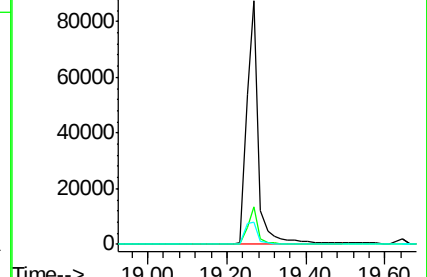
183 9.2 10.3 15.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#32

Pyrene

Concen: 8.55 ng

RT: 19.44 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

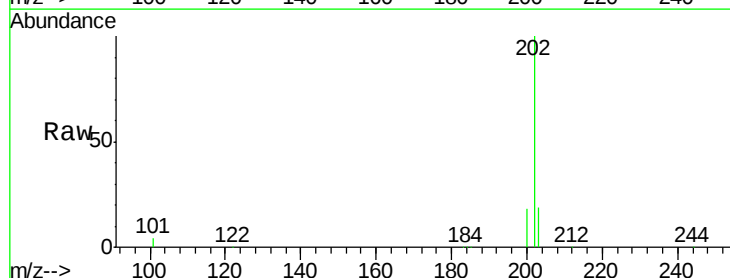
Tgt Ion:202 Resp: 293287

Ion Ratio Lower Upper

202 100

200 17.7 16.2 24.4

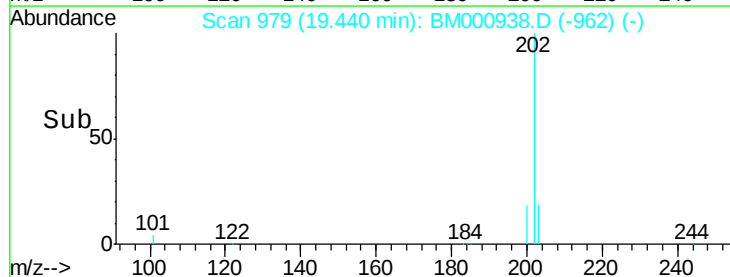
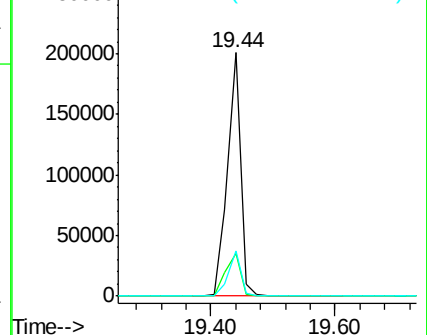
203 18.6 13.5 20.3

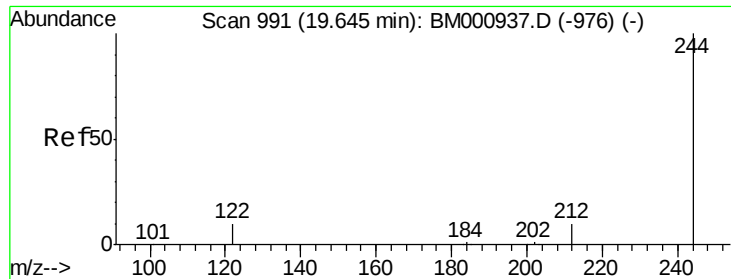


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

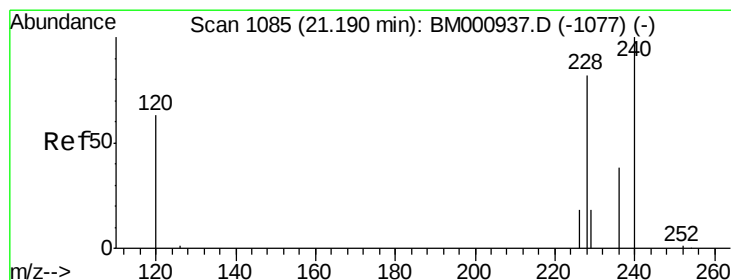
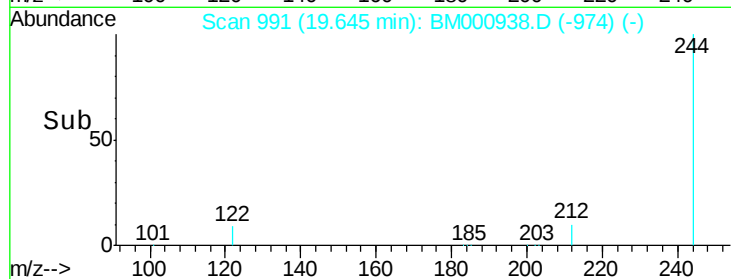
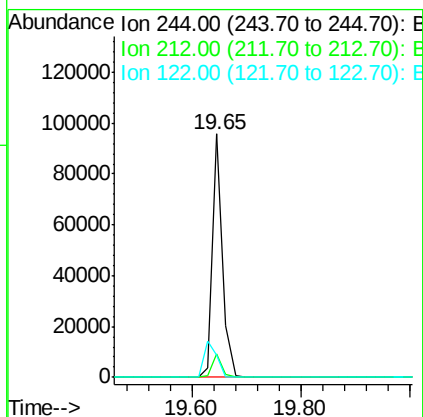
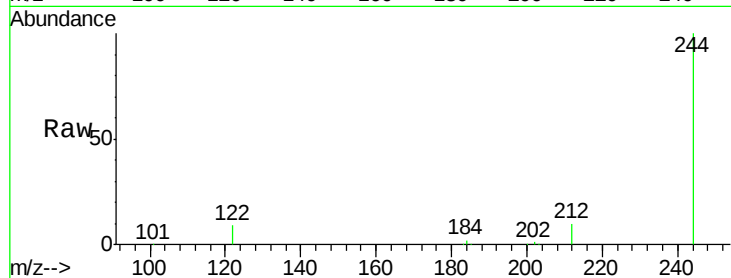




#33
 Terphenyl-d14
 Concen: 9.69 ng
 RT: 19.65 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BM000938.D
 Acq: 10 Apr 2015 14:10

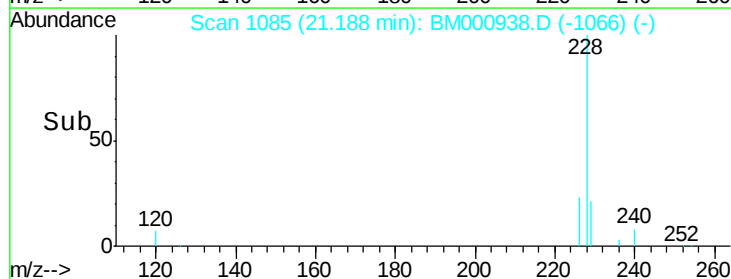
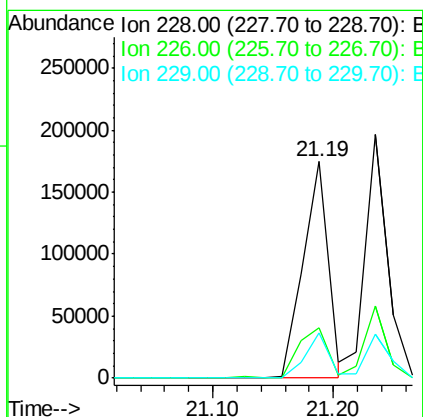
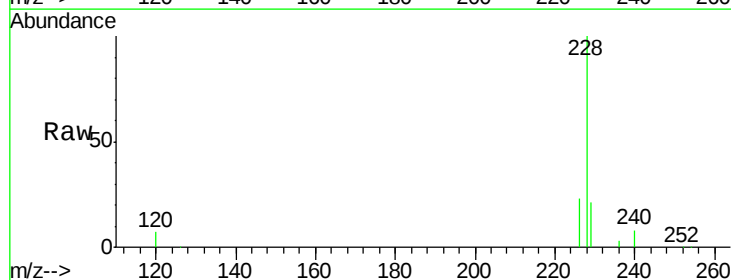
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

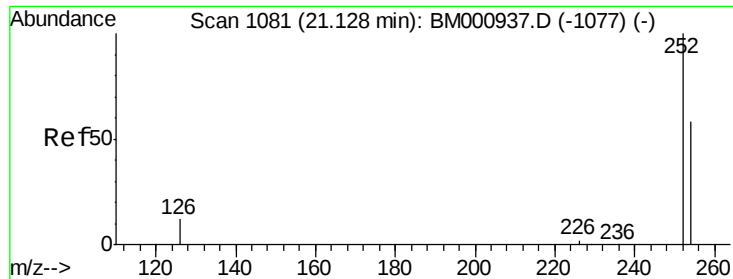
Tgt Ion:244 Resp: 124492
 Ion Ratio Lower Upper
 244 100
 212 9.8 9.4 14.0
 122 9.2 20.9 31.3#



#34
 Benzo(a)anthracene
 Concen: 8.31 ng
 RT: 21.19 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: BM000938.D
 Acq: 10 Apr 2015 14:10

Tgt Ion:228 Resp: 252916
 Ion Ratio Lower Upper
 228 100
 226 23.0 18.9 28.3
 229 21.1 16.8 25.2

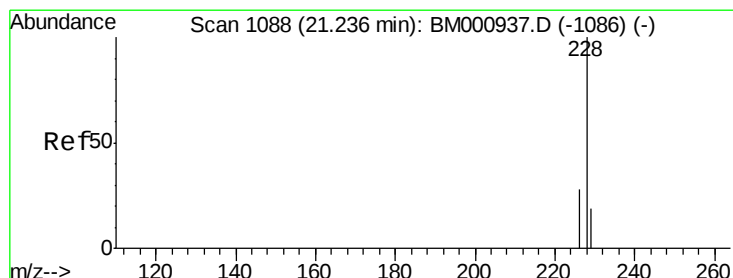
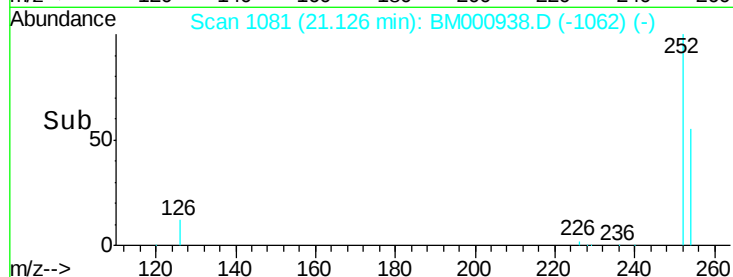
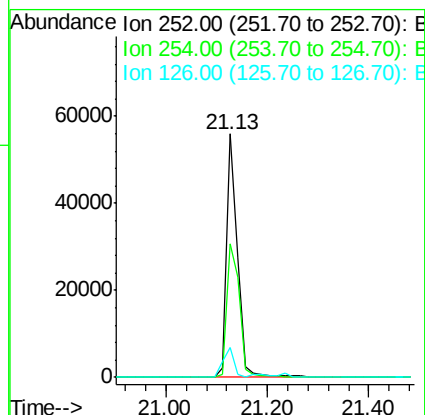
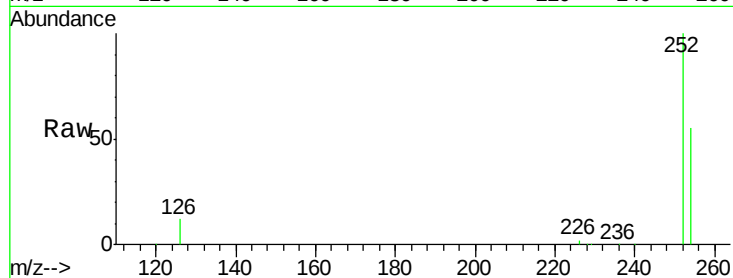




#35
 3,3'-Dichlorobenzidine
 Concen: 7.11 ng
 RT: 21.13 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BM000938.D
 Acq: 10 Apr 2015 14:10

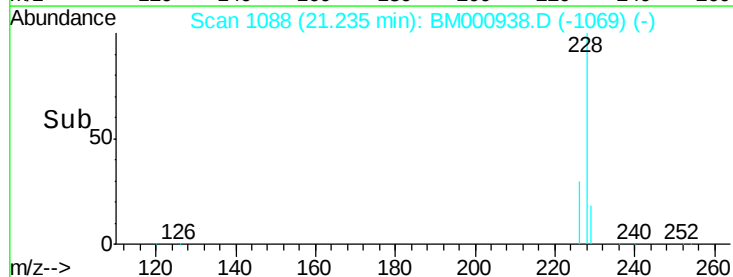
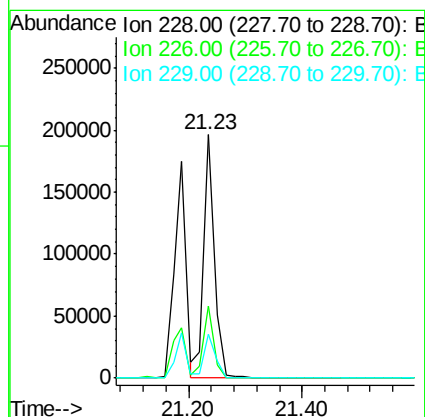
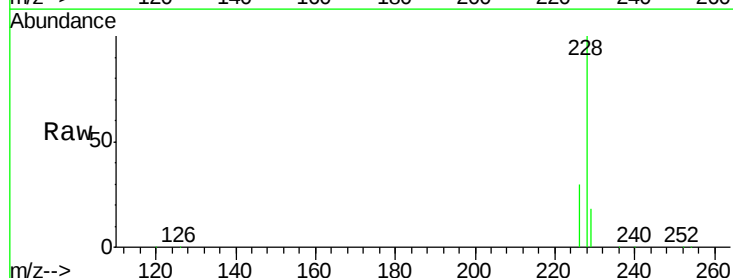
Instrument :
 BNA_M
 ClientSampleId :
 PB82421BS

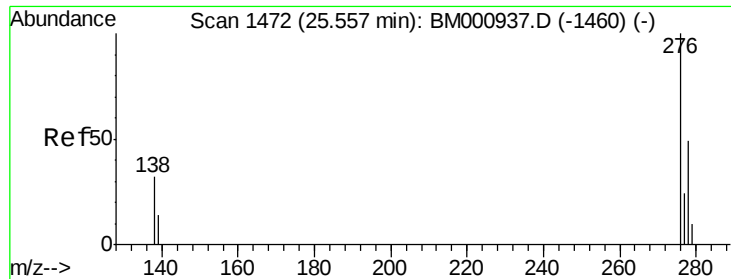
Tgt Ion: 252 Resp: 84426
 Ion Ratio Lower Upper
 252 100
 254 54.8 43.4 65.2
 126 12.3 12.3 18.5#



#36
 Chrysene
 Concen: 8.21 ng
 RT: 21.23 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BM000938.D
 Acq: 10 Apr 2015 14:10

Tgt Ion: 228 Resp: 255562
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.4 35.2
 229 18.2 15.0 22.6





#37

Indeno(1,2,3-cd)pyrene

Concen: 8.09 ng

RT: 25.56 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

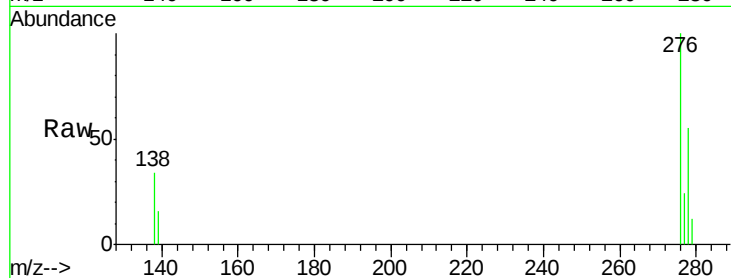
Tgt Ion:276 Resp: 257069

Ion Ratio Lower Upper

276 100

138 33.7 26.6 40.0

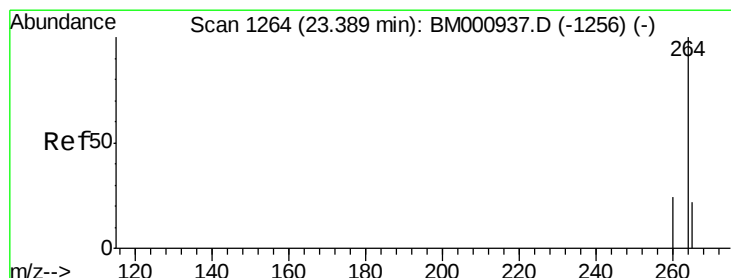
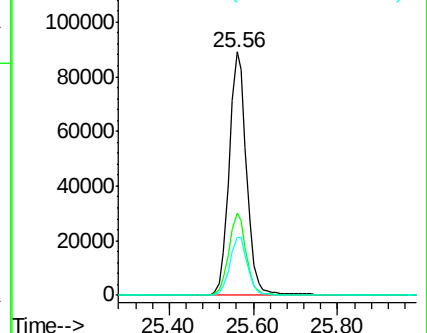
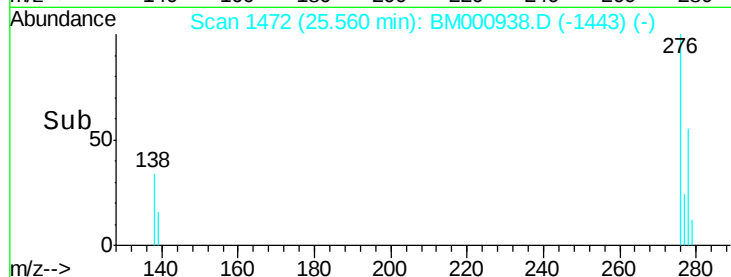
277 24.5 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#38

Perylene-d12

Concen: 5.00 ng

RT: 23.38 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

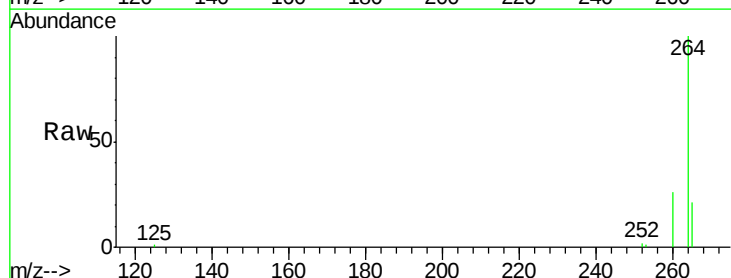
Tgt Ion:264 Resp: 92977

Ion Ratio Lower Upper

264 100

260 26.4 20.6 30.8

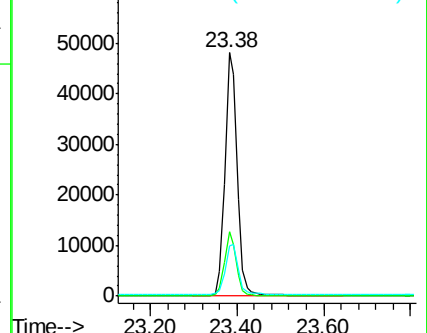
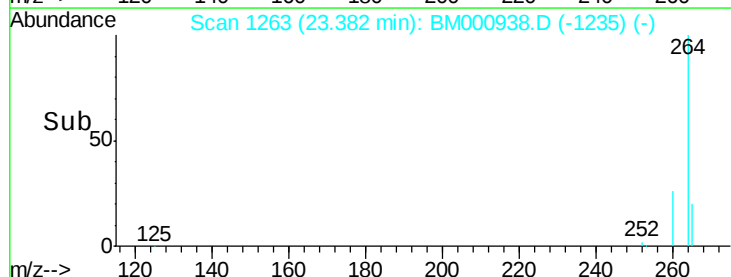
265 20.6 16.4 24.6

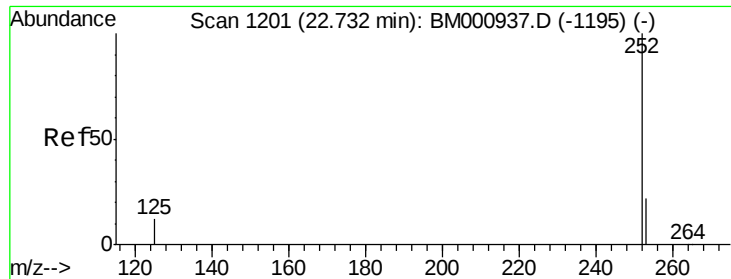


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#39

Benzo(b)fluoranthene

Concen: 8.18 ng

RT: 22.72 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

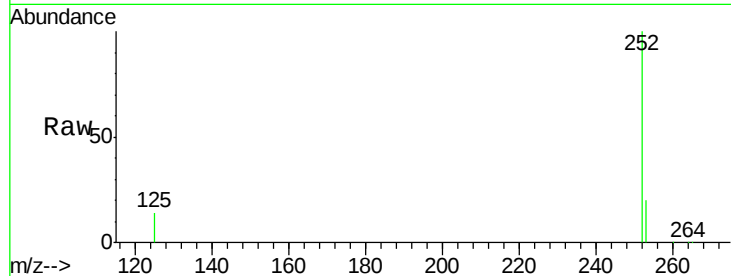
Tgt Ion:252 Resp: 237938

Ion Ratio Lower Upper

252 100

253 20.1 16.9 25.3

125 14.0 11.3 16.9

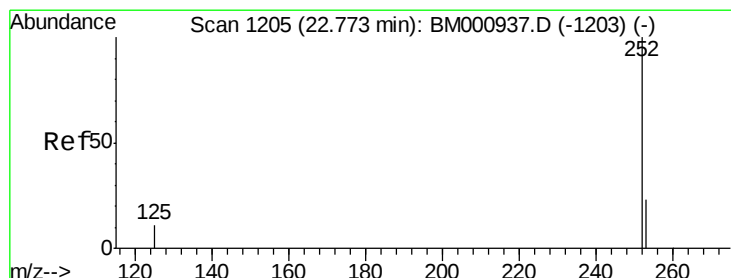
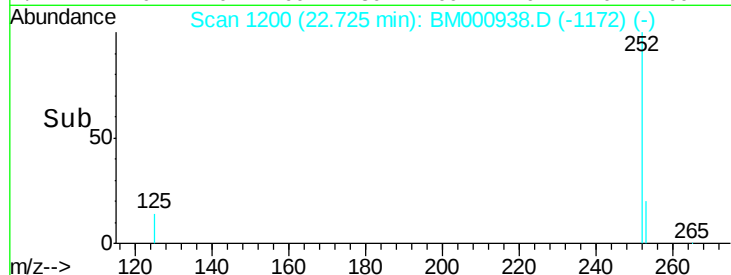
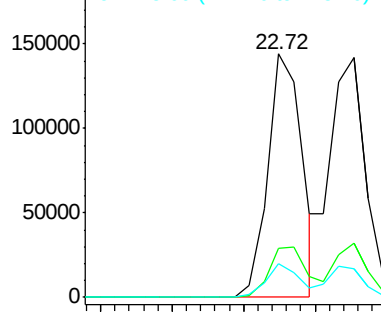


Abundance

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



#40

Benzo(k)fluoranthene

Concen: 8.94 ng

RT: 22.78 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

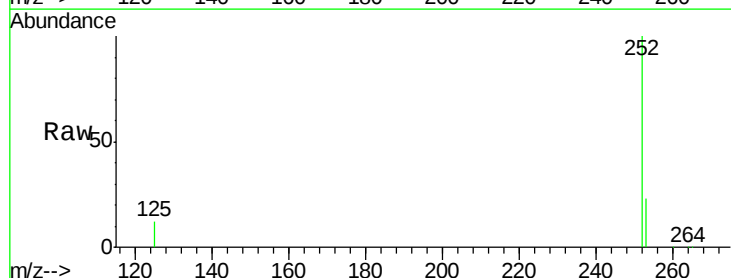
Tgt Ion:252 Resp: 250439

Ion Ratio Lower Upper

252 100

253 22.8 16.9 25.3

125 12.0 11.2 16.8

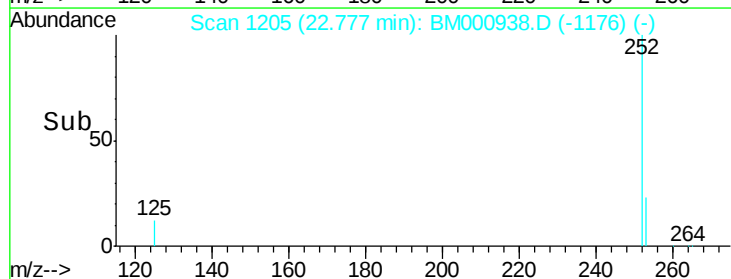
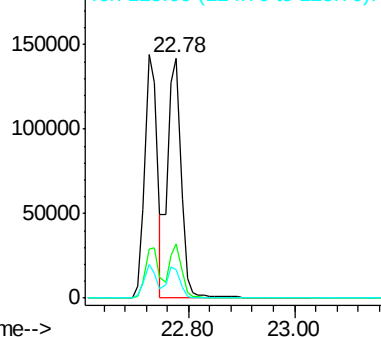


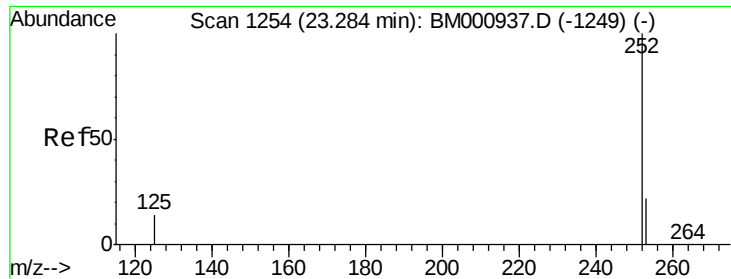
Abundance

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





#41

Benzo(a)pyrene

Concen: 9.01 ng

RT: 23.29 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS

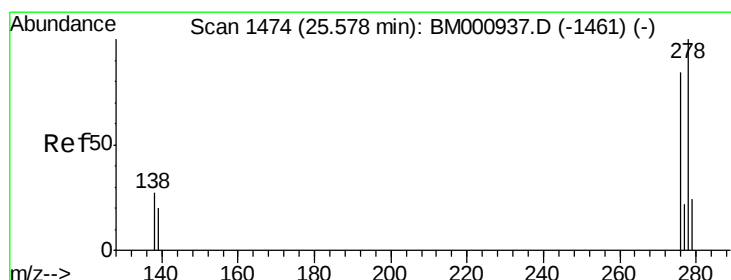
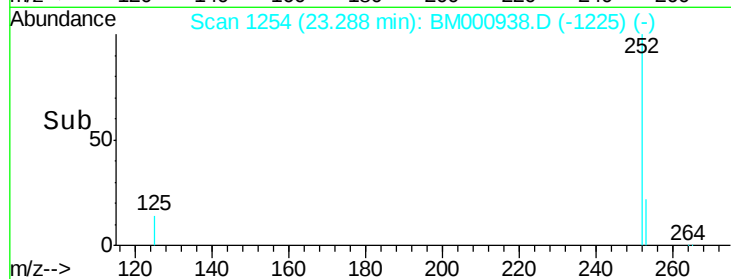
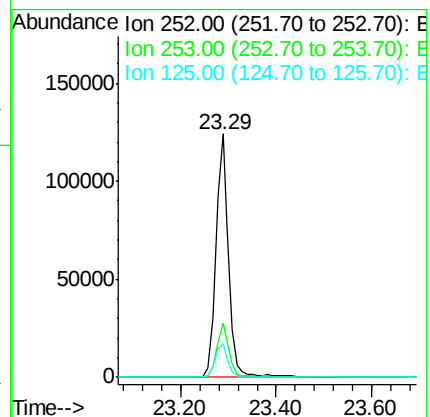
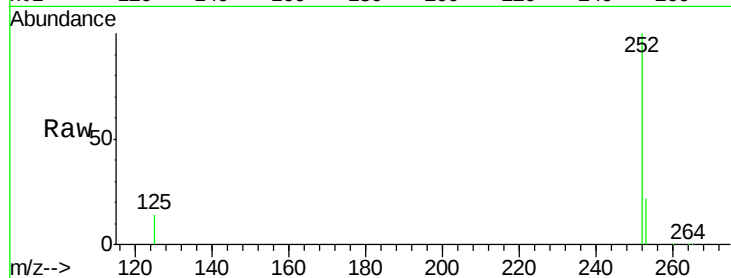
Tgt Ion: 252 Resp: 230863

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.4

125 14.1 11.0 16.6



#42

Dibenzo(a,h)anthracene

Concen: 8.68 ng

RT: 25.58 min Scan# 1474

Delta R.T. 0.00 min

Lab File: BM000938.D

Acq: 10 Apr 2015 14:10

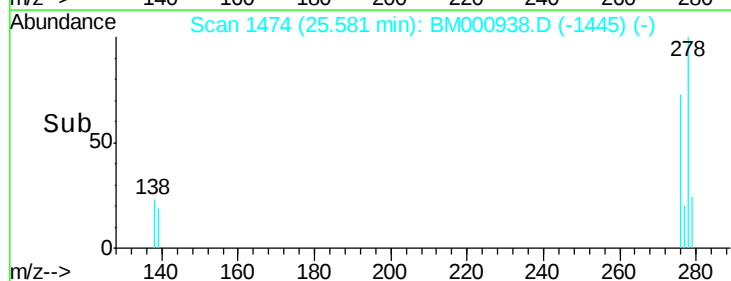
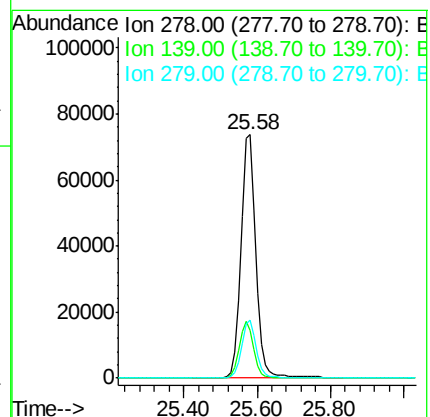
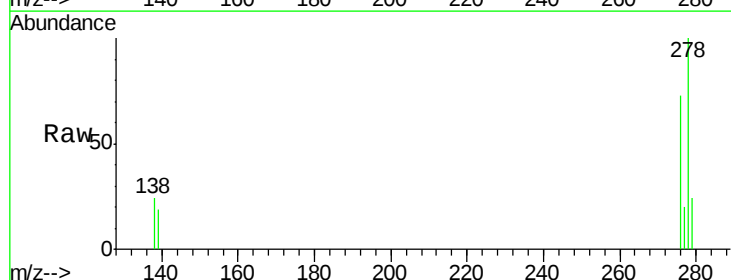
Tgt Ion: 278 Resp: 206155

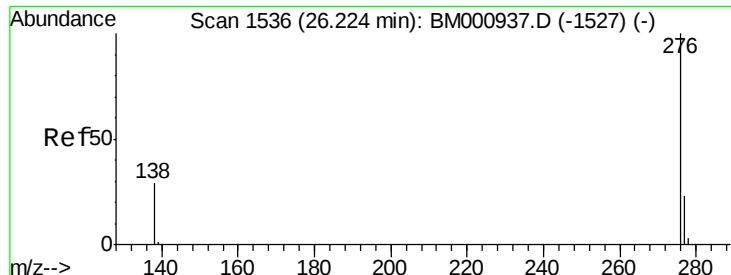
Ion Ratio Lower Upper

278 100

139 19.4 17.8 26.8

279 23.9 19.0 28.6





#43

Benzo(g,h,i)perylene

Concen: 8.42 ng

RT: 26.23 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM000938.D

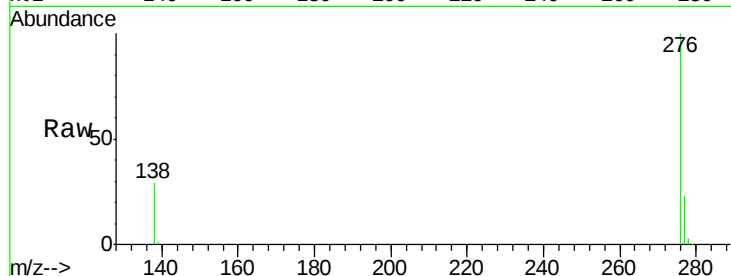
Acq: 10 Apr 2015 14:10

Instrument :

BNA_M

ClientSampleId :

PB82421BS



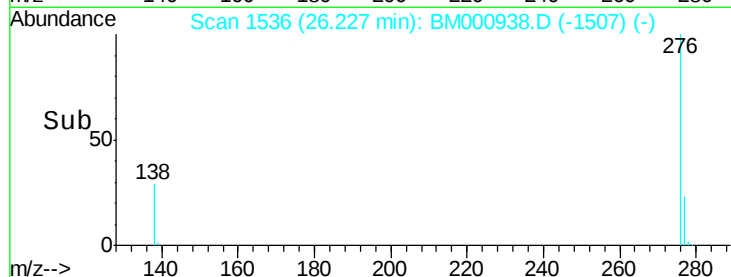
Tgt Ion: 276 Resp: 220855

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 28.8 21.7 32.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

