

Data Path : S:\HPCHEM1\BNA_M\Data\BM041015\
 Data File : BM000945.D
 Acq On : 10 Apr 2015 18:37
 Operator : TP/IZ
 Sample : G1757-04MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MS

Quant Time: Apr 13 15:49:50 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 16:15:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	28214	5.00	ng	0.00
8) Naphthalene-d8	10.38	136	107113	5.00	ng	0.00
17) Acenaphthene-d10	14.26	164	57978	5.00	ng	0.01
24) Phenanthrene-d10	17.00	188	108329	5.00	ng	0.01
30) Chrysene-d12	21.21	240	99694	5.00	ng	0.00
38) Perylene-d12	23.38	264	88664	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.19	112	24965	4.18	ng	-0.02
5) Phenol-d6	6.78	99	20883	2.92	ng	0.00
9) Nitrobenzene-d5	8.76	82	44631	8.63	ng	0.00
18) 2,4,6-Tribromophenol	15.76	330	23596	9.79	ng	0.01
19) 2-Fluorobiphenyl	12.88	172	128141	7.89	ng	0.00
33) Terphenyl-d14	19.65	244	127534	10.51	ng	0.00

Target Compounds

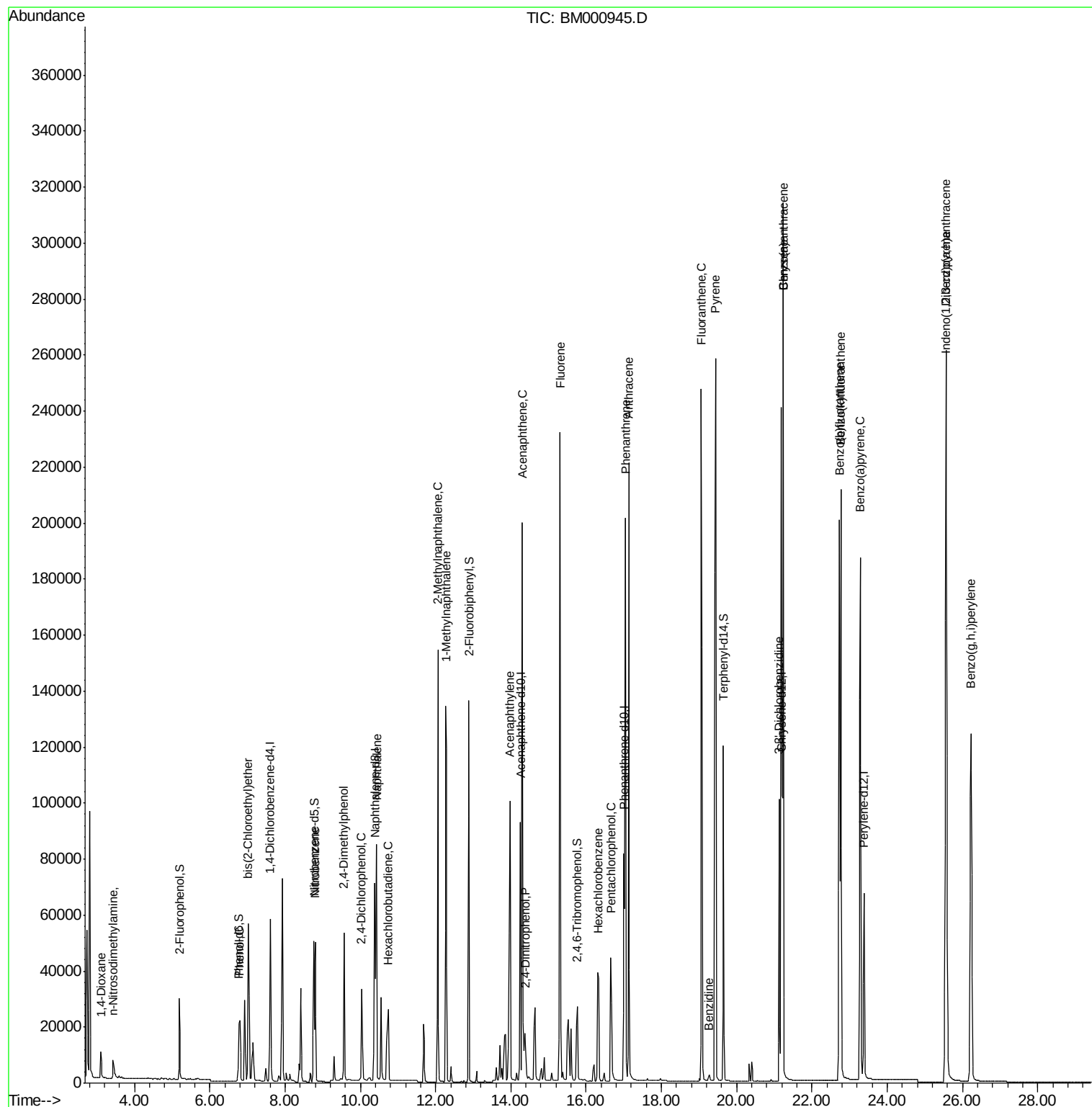
						Qvalue
2) 1,4-Dioxane	3.12	88	7003	2.86	ng	94
3) n-Nitrosodimethylamine	3.43	42	6775	2.47	ng	# 53
6) Phenol	6.80	94	18560	2.53	ng	# 41
7) bis(2-Chloroethyl)ether	7.02	93	49426	7.67	ng	# 1
10) Nitrobenzene	8.80	77	54476	7.17	ng	94
11) 2,4-Dimethylphenol	9.56	122	36683	6.22	ng	96
12) 2,4-Dichlorophenol	10.03	162	37038	7.12	ng	89
13) Naphthalene	10.44	128	155421	7.19	ng	99
14) Hexachlorobutadiene	10.74	225	27139	6.87	ng	99
15) 2-Methylnaphthalene	12.06	142	109616	7.43	ng	98
16) 1-Methylnaphthalene	12.28	142	99807	6.71	ng	85
20) Acenaphthylene	13.97	152	172075	7.15	ng	93
21) Acenaphthene	14.31	154	120391	7.52	ng	# 64
22) 2,4-Dinitrophenol	14.38	184	21595	12.10	ng	# 55
23) Fluorene	15.30	166	155118	8.33	ng	# 74
25) Hexachlorobenzene	16.33	284	51242	8.75	ng	# 66
26) Pentachlorophenol	16.66	266	42724	18.25	ng	# 83
27) Phenanthrene	17.05	178	243390	8.70	ng	93
28) Anthracene	17.13	178	253977	9.90	ng	93
29) Fluoranthene	19.06	202	289881	9.91	ng	86
31) Benzidine	19.27	184	4974	0.95	ng	96
32) Pyrene	19.44	202	309385	9.55	ng	94
34) Benzo(a)anthracene	21.24	228	277306	9.64	ng	95
35) 3,3'-Dichlorobenzidine	21.13	252	73646	6.59	ng	# 87
36) Chrysene	21.24	228	278031	9.45	ng	97
37) Indeno(1,2,3-cd)pyrene	25.56	276	278023	9.26	ng	100
39) Benzo(b)fluoranthene	22.73	252	288269	10.39	ng	96
40) Benzo(k)fluoranthene	22.77	252	237661	8.90	ng	96
41) Benzo(a)pyrene	23.28	252	247922	10.14	ng	98
42) Dibenzo(a,h)anthracene	25.57	278	224228	9.90	ng	98
43) Benzo(g,h,i)perylene	26.22	276	238326	9.53	ng	98

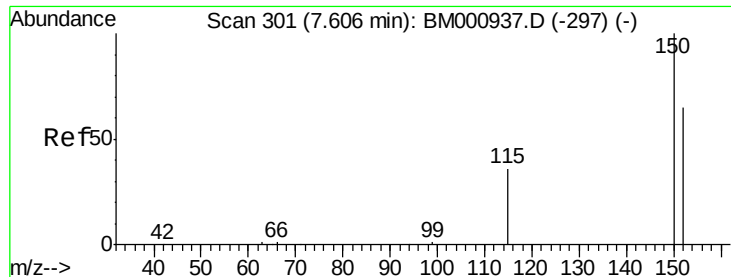
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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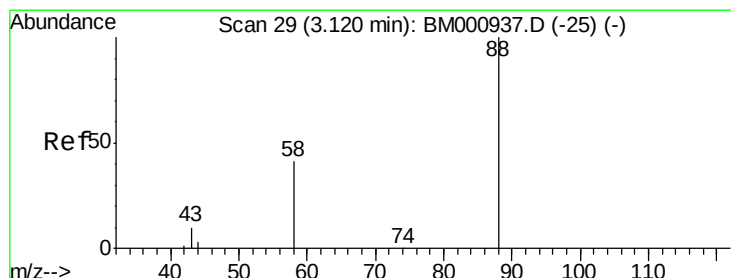
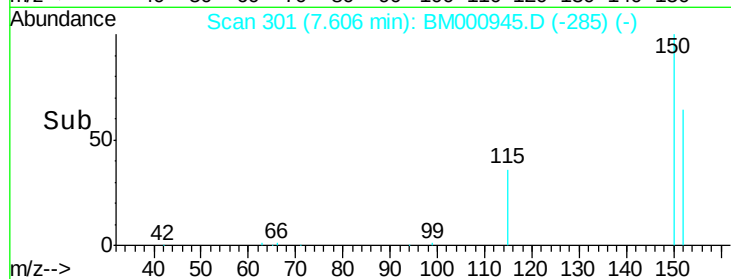
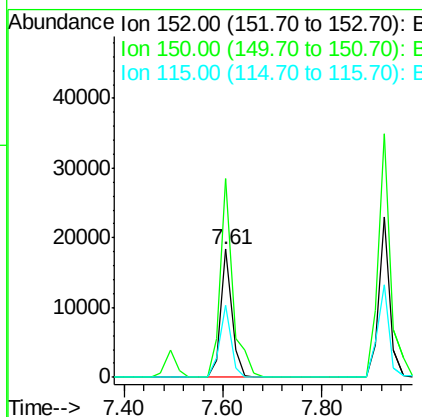
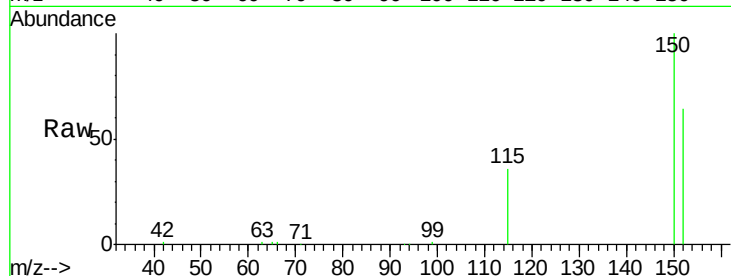


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 301
Delta R.T. 0.00 min
Lab File: BM000945.D
Acq: 10 Apr 2015 18:37

Instrument :
BNA_M
ClientSampleId :
LS-SW01MS

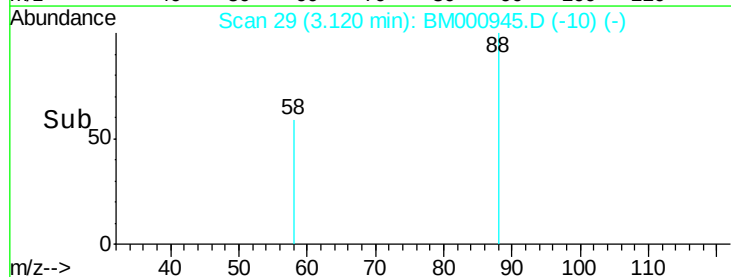
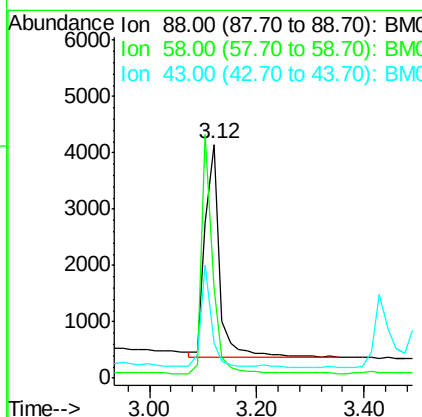
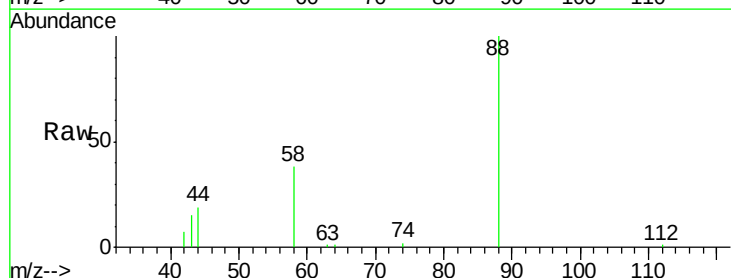
Tgt Ion: 152 Resp: 28214
Ion Ratio Lower Upper
152 100
150 155.4 125.4 188.2
115 56.7 45.9 68.9

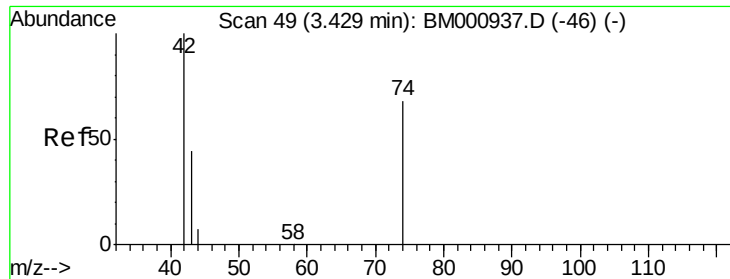


#2

1,4-Dioxane
Concen: 2.86 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000945.D
Acq: 10 Apr 2015 18:37

Tgt Ion: 88 Resp: 7003
Ion Ratio Lower Upper
88 100
58 85.7 63.0 94.6
43 33.8 27.0 40.4





#3

n-Nitrosodimethylamine

Concen: 2.47 ng

RT: 3.43 min Scan# 49

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

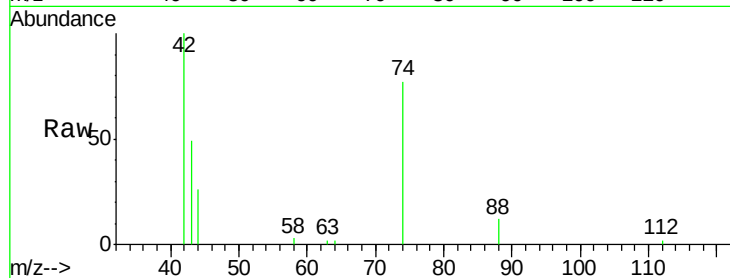
Tgt Ion: 42 Resp: 6775

Ion Ratio Lower Upper

42 100

74 77.1 26.0 39.0#

44 26.0 29.0 43.4#

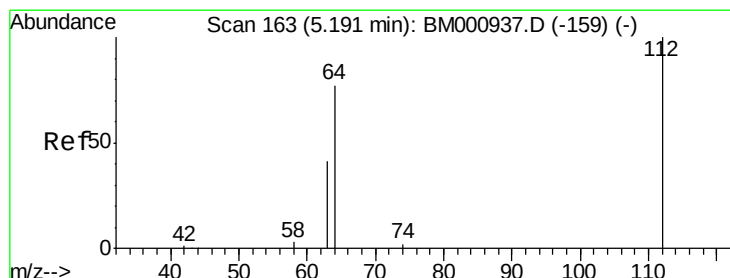
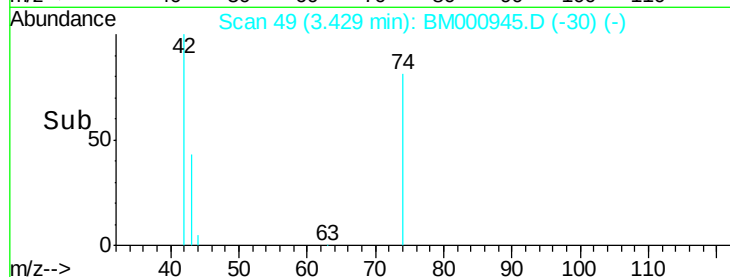


Abundance Ion 42.00 (41.70 to 42.70): BM000937.D (-46) (-)

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

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

Time-->



#4

2-Fluorophenol

Concen: 4.18 ng

RT: 5.19 min Scan# 163

Delta R.T. -0.02 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

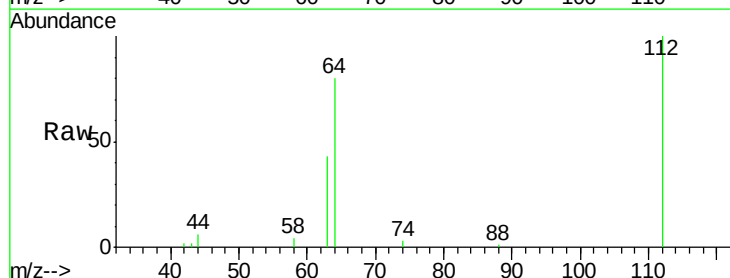
Tgt Ion: 112 Resp: 24965

Ion Ratio Lower Upper

112 100

64 80.4 31.8 47.8#

63 42.9 14.5 21.7#

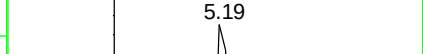
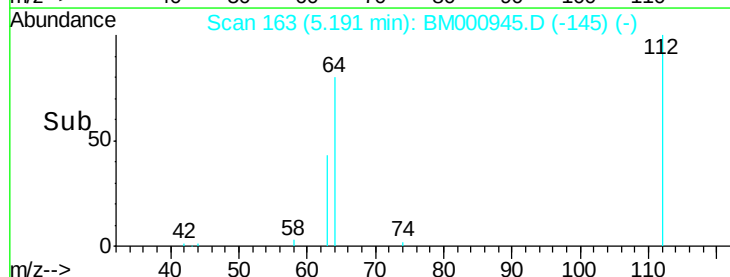


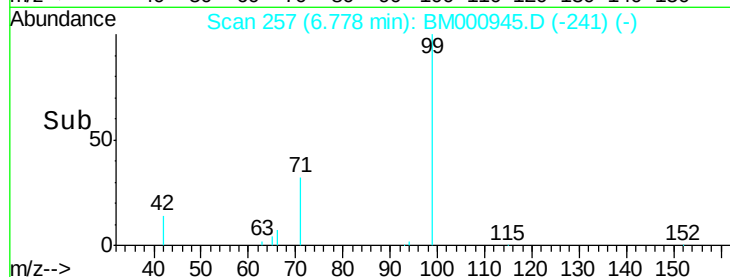
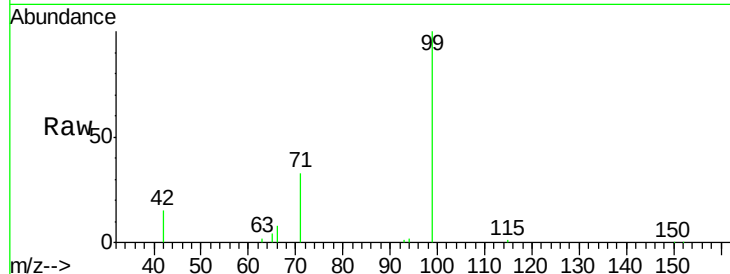
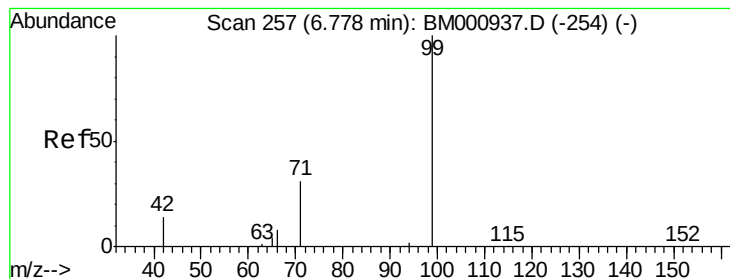
Abundance Ion 112.00 (111.70 to 112.70): BM000937.D (-159) (-)

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

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

Time-->





#5

Phenol-d6

Concen: 2.92 ng

RT: 6.78 min Scan# 257

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

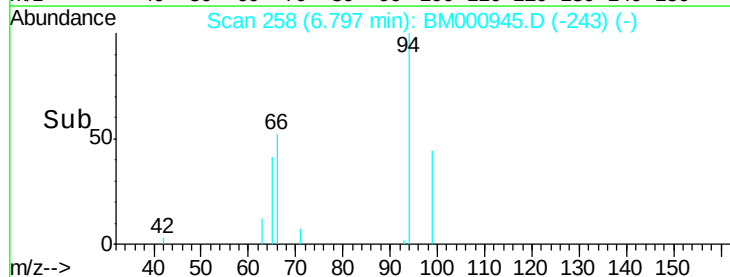
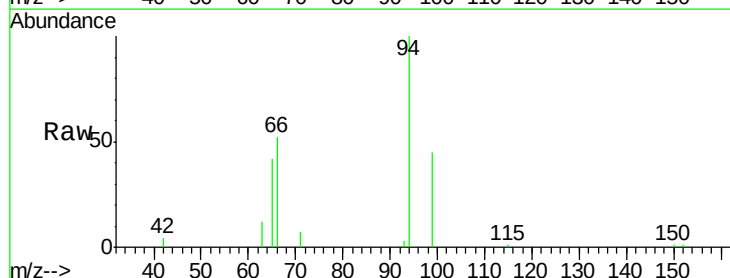
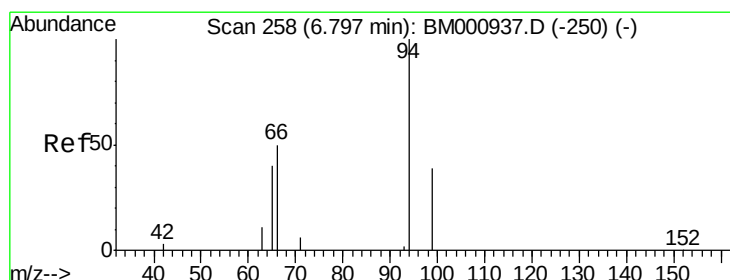
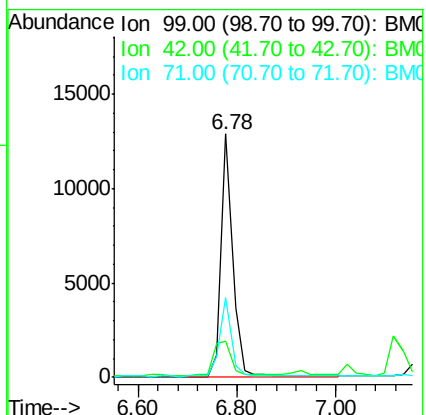
Tgt Ion: 99 Resp: 20883

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

71 32.7 28.0 42.0



#6

Phenol

Concen: 2.53 ng

RT: 6.80 min Scan# 258

Delta R.T. -0.02 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

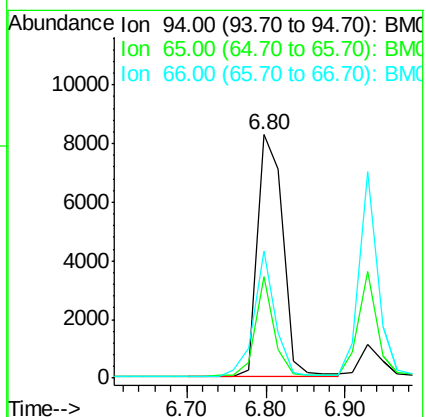
Tgt Ion: 94 Resp: 18560

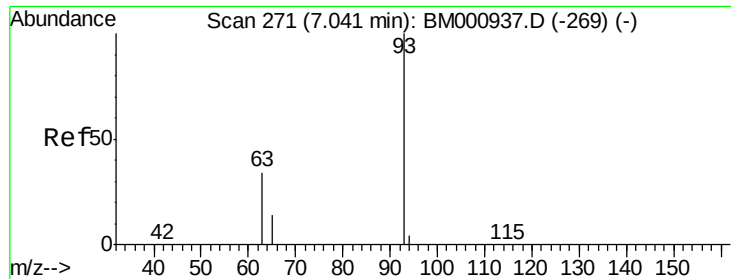
Ion Ratio Lower Upper

94 100

65 41.9 0.0 36.0#

66 52.1 3.7 43.7#





#7

bis(2-Chloroethyl)ether

Concen: 7.67 ng

RT: 7.02 min Scan# 270

Delta R.T. -0.02 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

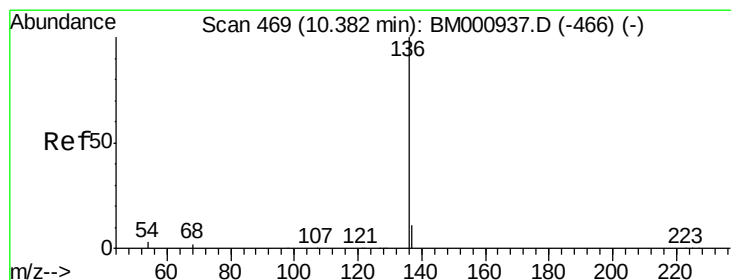
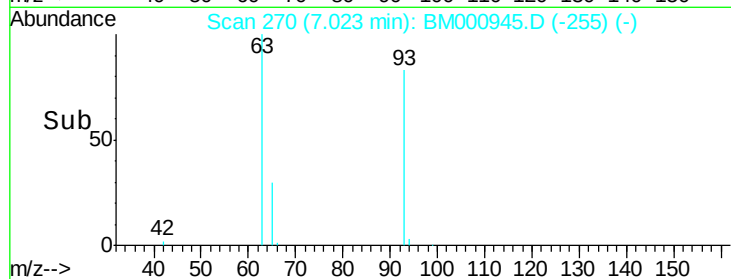
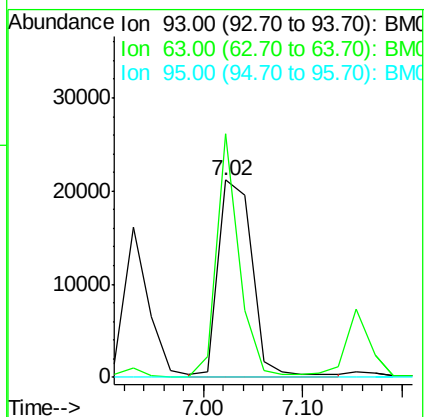
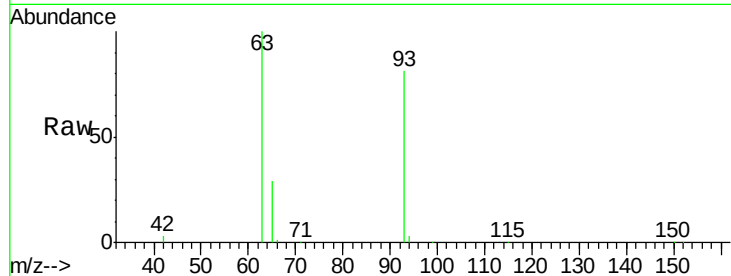
Tgt Ion: 93 Resp: 49426

Ion Ratio Lower Upper

93 100

63 123.3 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: BM000945.D

Acq: 10 Apr 2015 18:37

Tgt Ion: 136 Resp: 107113

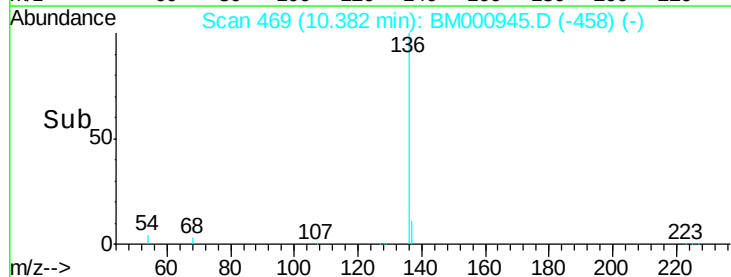
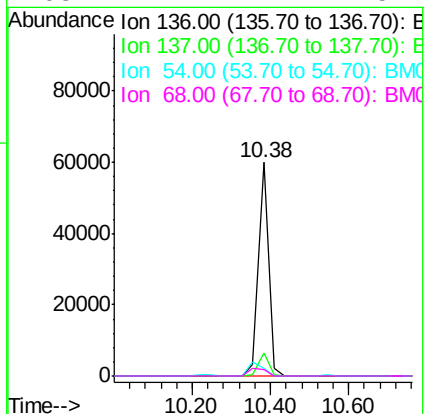
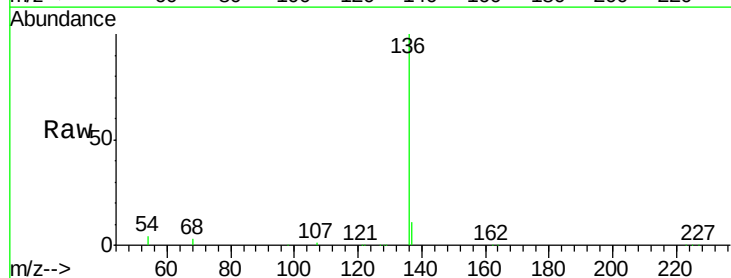
Ion Ratio Lower Upper

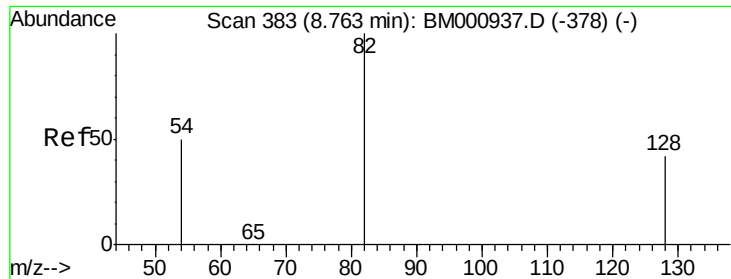
136 100

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: 8.63 ng

RT: 8.76 min Scan# 383

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

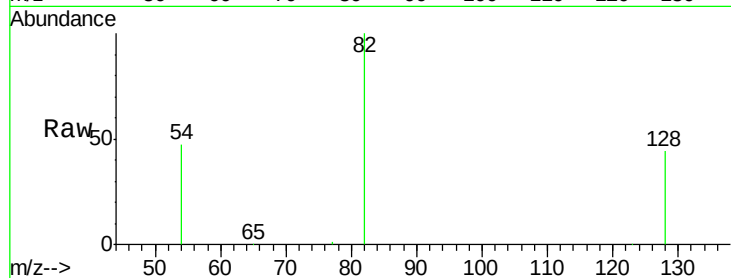
Tgt Ion: 82 Resp: 44631

Ion Ratio Lower Upper

82 100

128 43.8 33.4 50.0

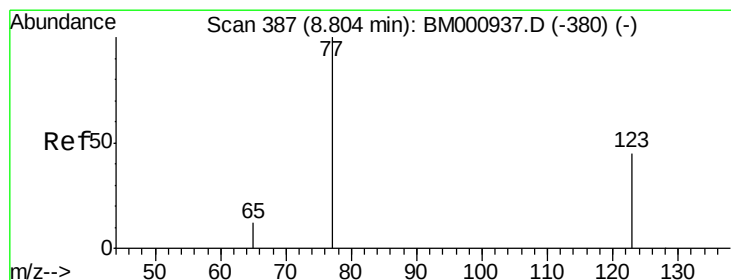
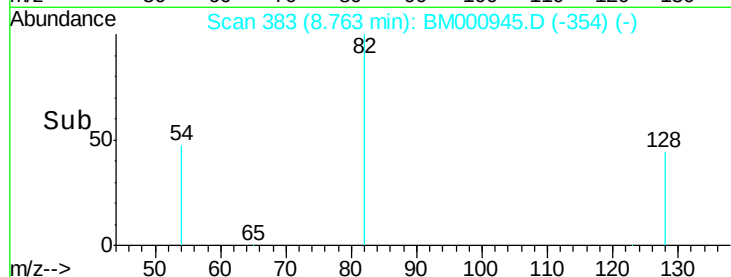
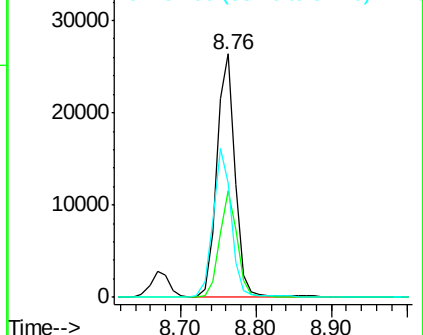
54 47.1 40.5 60.7



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: 7.17 ng

RT: 8.80 min Scan# 387

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

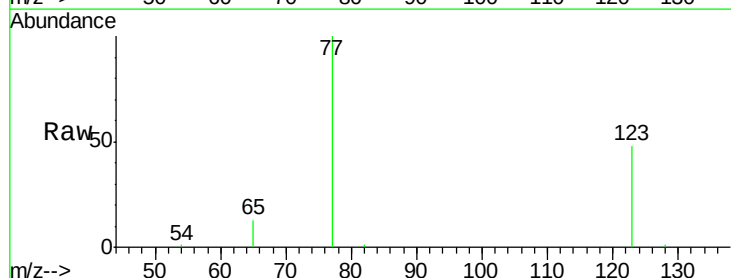
Tgt Ion: 77 Resp: 54476

Ion Ratio Lower Upper

77 100

123 48.4 35.0 52.6

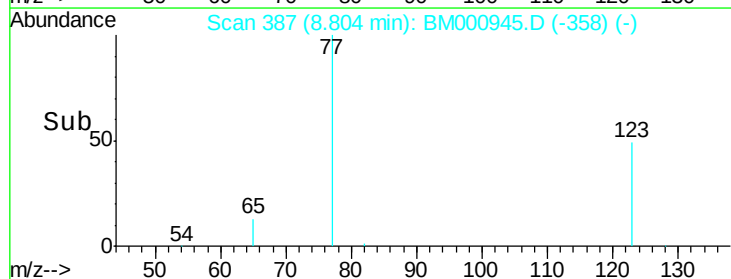
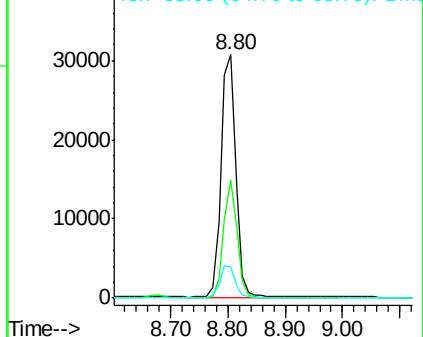
65 12.8 10.7 16.1

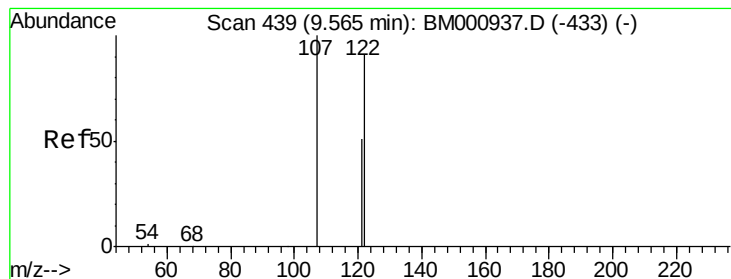


Abundance Ion 77.00 (76.70 to 77.70): BM000937.D (-380) (-)

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: 6.22 ng

RT: 9.56 min Scan# 439

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

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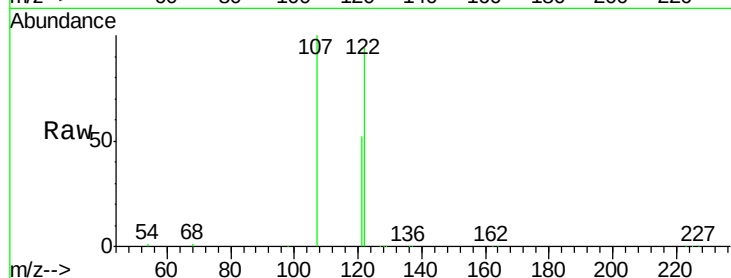
Tgt Ion:122 Resp: 36683

Ion Ratio Lower Upper

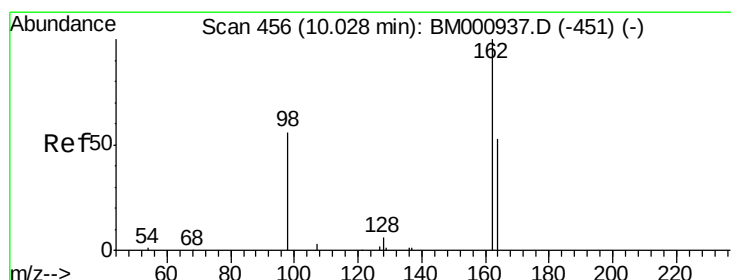
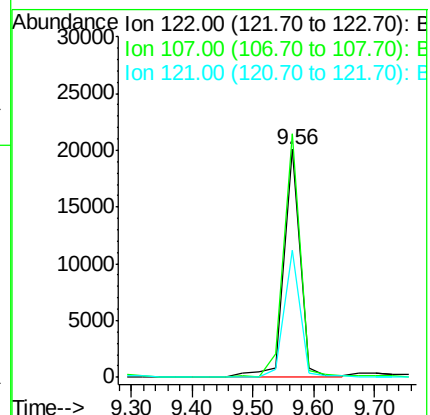
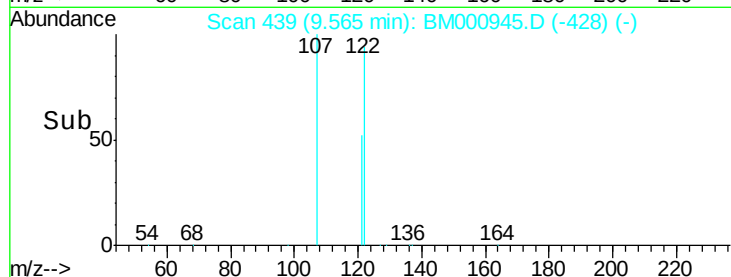
122 100

107 106.9 89.8 134.6

121 55.9 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#12

2,4-Dichlorophenol

Concen: 7.12 ng

RT: 10.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

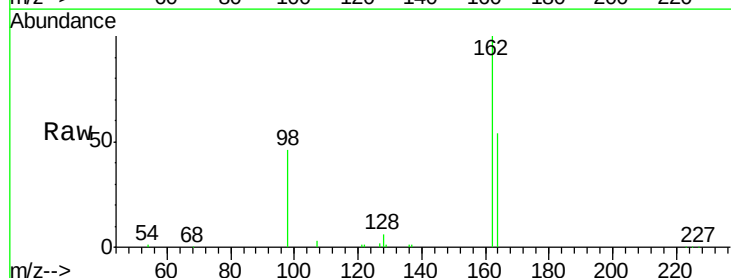
Tgt Ion:162 Resp: 37038

Ion Ratio Lower Upper

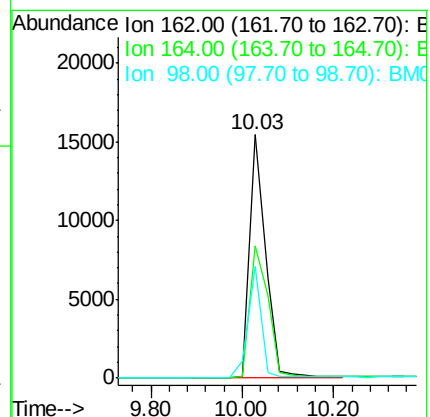
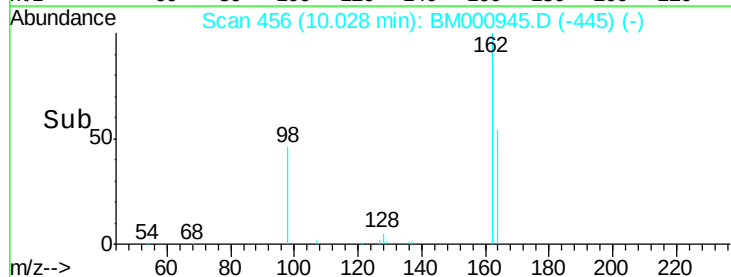
162 100

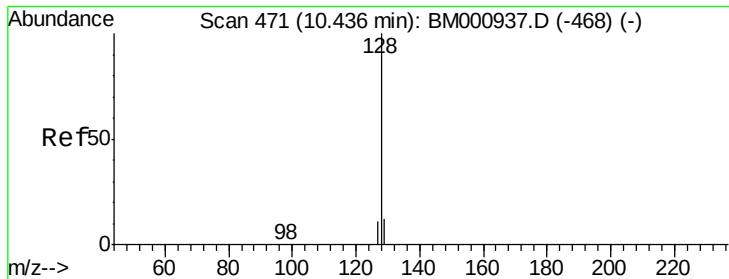
164 54.4 32.5 72.5

98 46.1 40.5 80.5



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM0

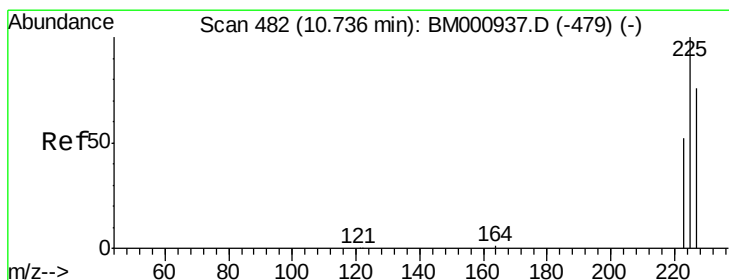
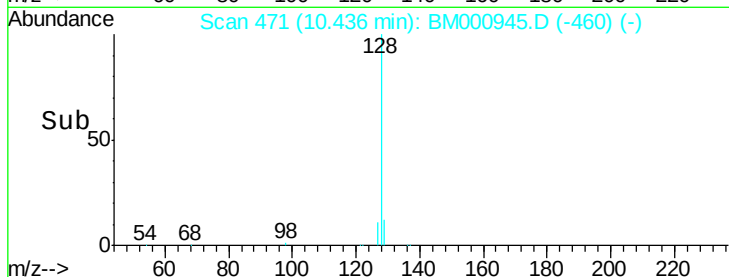
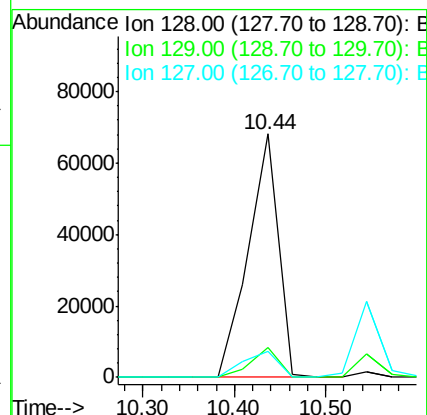
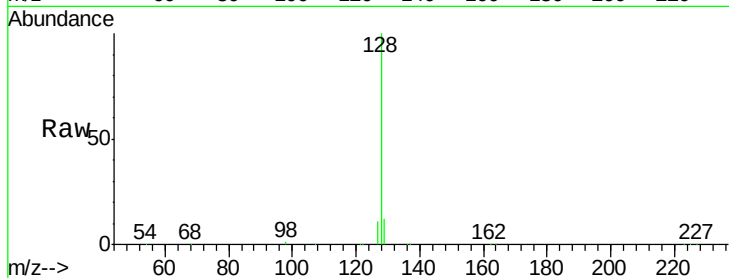




#13
Naphthalene
Concen: 7.19 ng
RT: 10.44 min Scan# 471
Delta R.T. 0.00 min
Lab File: BM000945.D
Acq: 10 Apr 2015 18:37

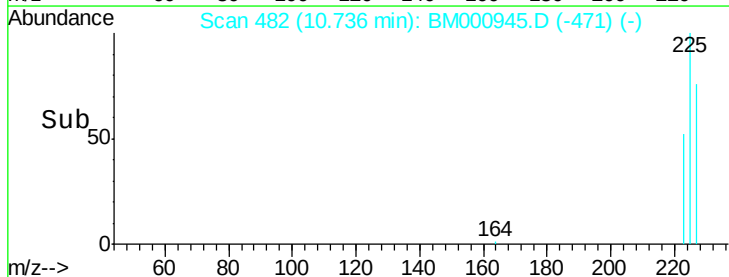
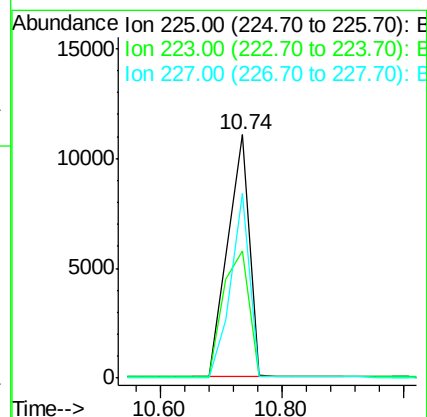
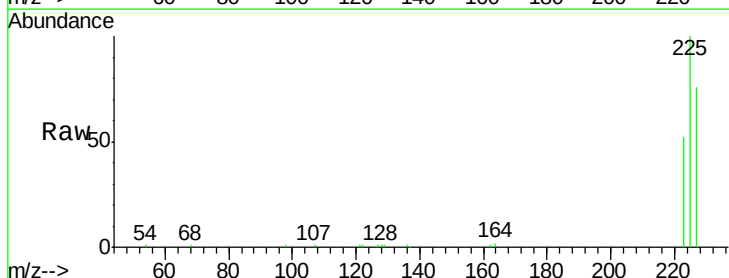
Instrument :
BNA_M
ClientSampleId :
LS-SW01MS

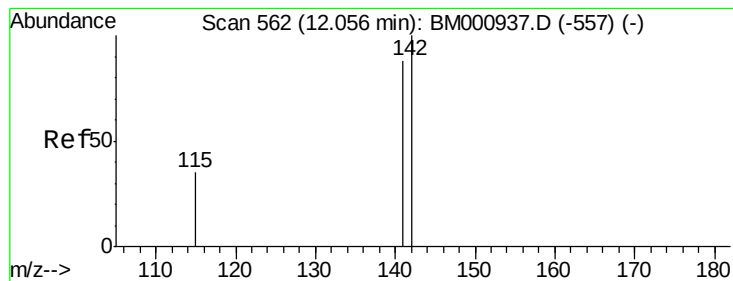
Tgt Ion:128 Resp: 155421
Ion Ratio Lower Upper
128 100
129 12.0 9.8 14.6
127 10.7 9.1 13.7



#14
Hexachlorobutadiene
Concen: 6.87 ng
RT: 10.74 min Scan# 482
Delta R.T. 0.00 min
Lab File: BM000945.D
Acq: 10 Apr 2015 18:37

Tgt Ion:225 Resp: 27139
Ion Ratio Lower Upper
225 100
223 52.2 42.2 63.2
227 76.1 61.4 92.2





#15

2-Methylnaphthalene

Concen: 7.43 ng

RT: 12.06 min Scan# 562

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

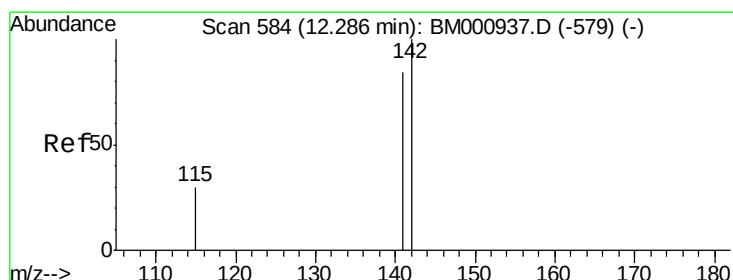
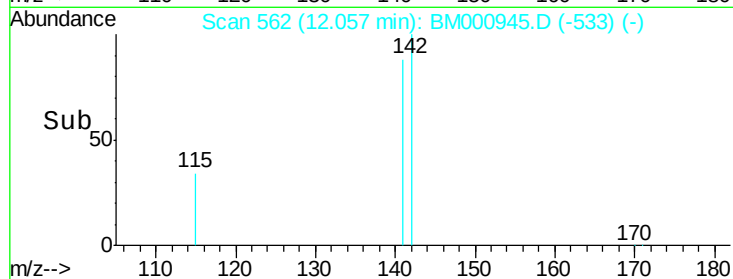
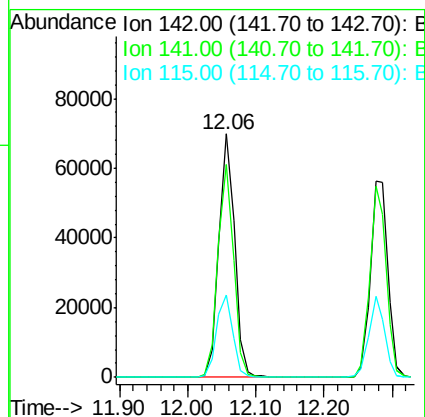
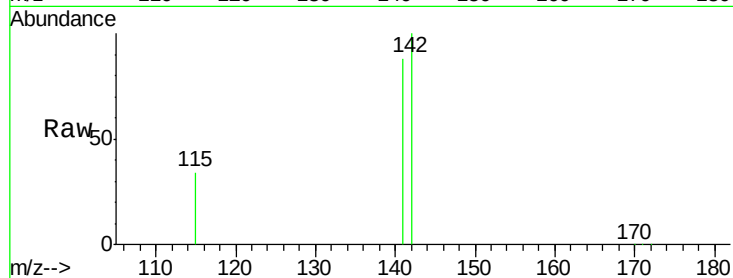
Tgt Ion:142 Resp: 109616

Ion Ratio Lower Upper

142 100

141 87.7 71.2 106.8

115 33.7 28.3 42.5



#16

1-Methylnaphthalene

Concen: 6.71 ng

RT: 12.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

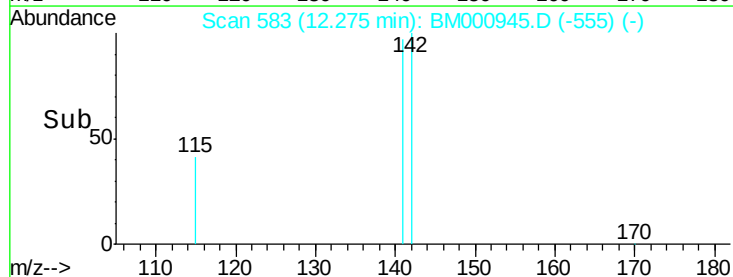
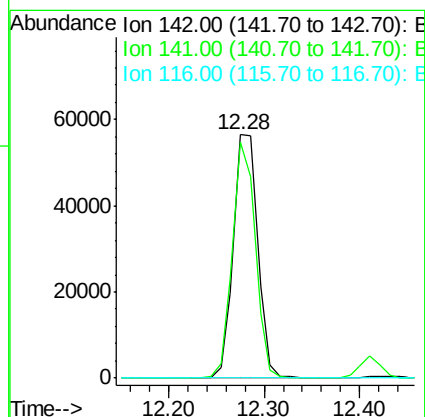
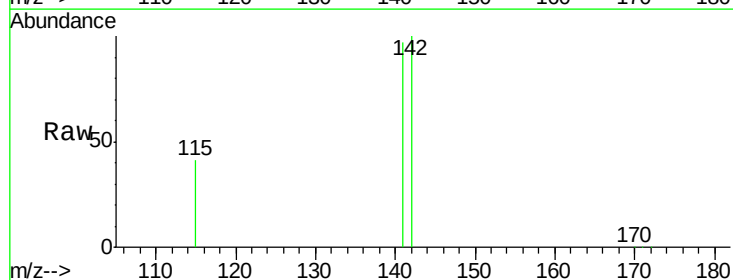
Tgt Ion:142 Resp: 99807

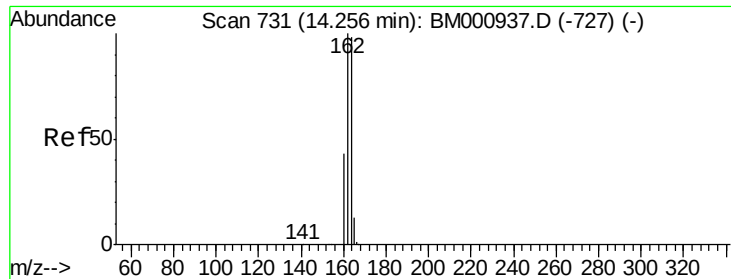
Ion Ratio Lower Upper

142 100

141 97.0 66.7 100.1

116 0.0 0.0 0.0





#17

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 731

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

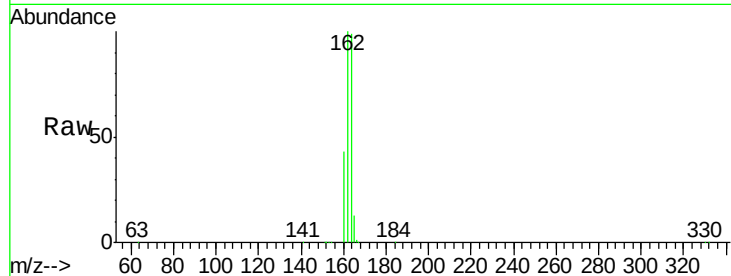
Tgt Ion:164 Resp: 57978

Ion Ratio Lower Upper

164 100

162 100.5 96.1 144.1

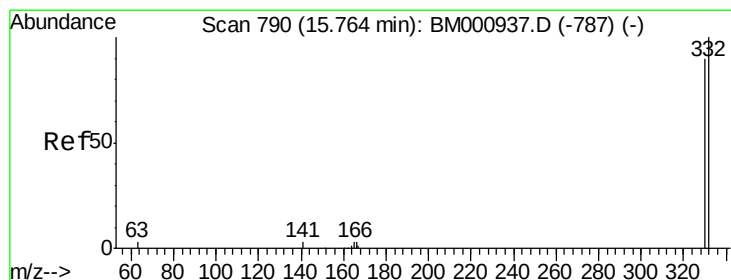
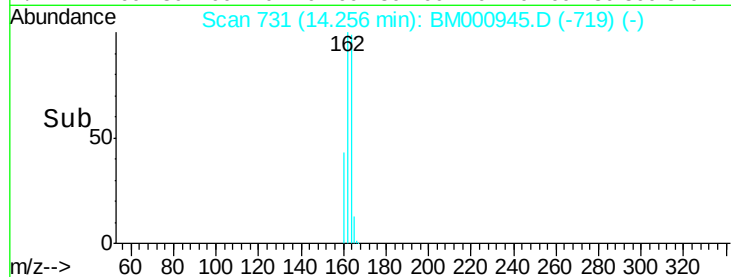
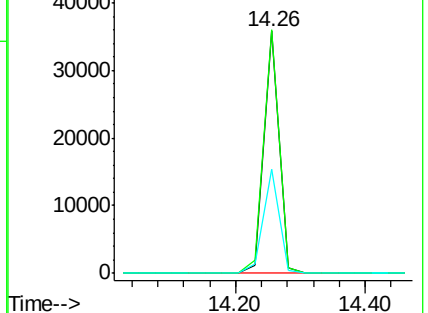
160 43.0 48.2 72.2#



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



#18

2,4,6-Tribromophenol

Concen: 9.79 ng

RT: 15.76 min Scan# 790

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

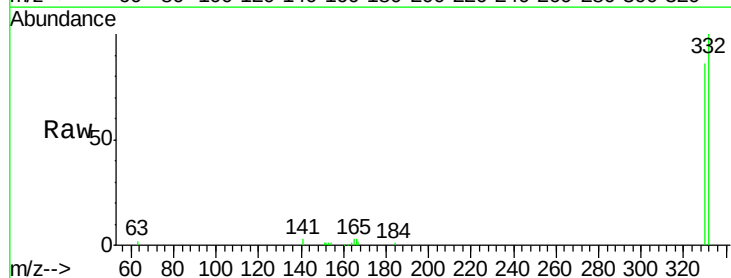
Tgt Ion:330 Resp: 23596

Ion Ratio Lower Upper

330 100

332 105.5 75.4 113.2

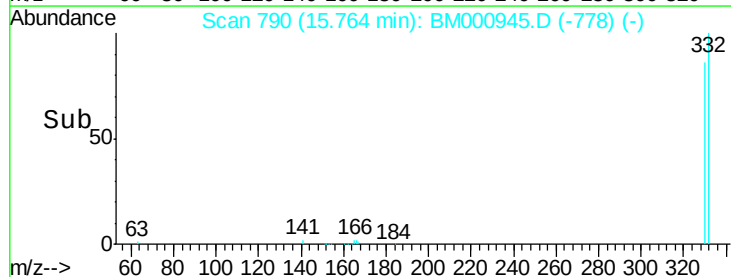
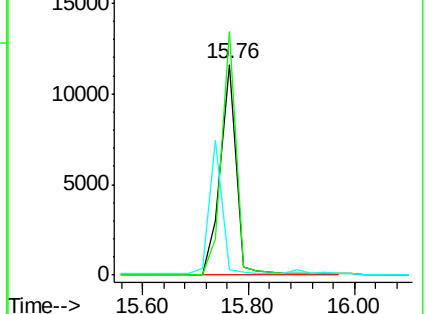
141 0.0 0.0 0.0

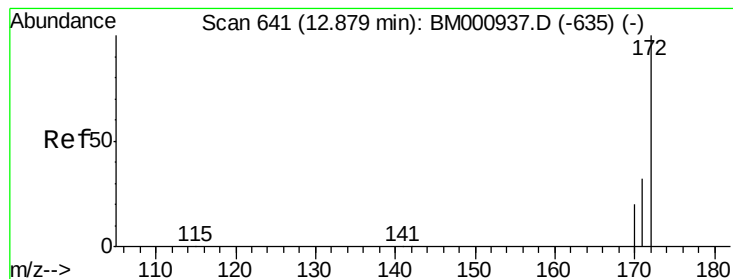


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#19

2-Fluorobiphenyl

Concen: 7.89 ng

RT: 12.88 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

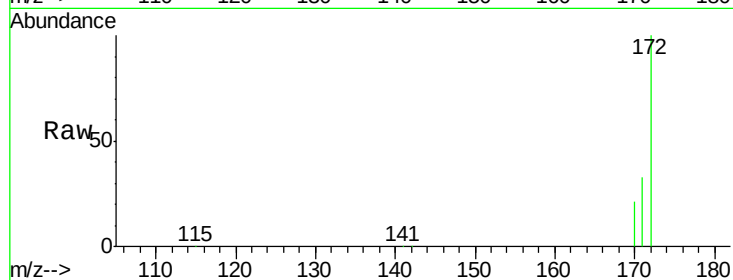
Tgt Ion:172 Resp: 128141

Ion Ratio Lower Upper

172 100

171 32.7 26.7 40.1

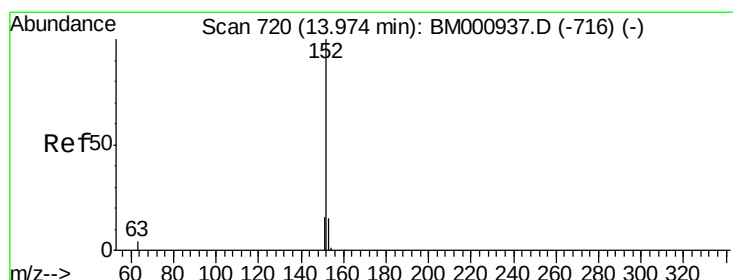
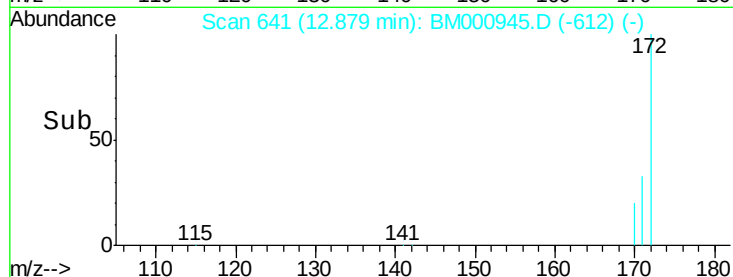
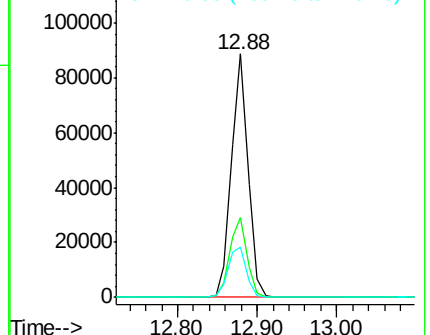
170 20.5 17.0 25.4



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



#20

Acenaphthylene

Concen: 7.15 ng

RT: 13.97 min Scan# 720

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

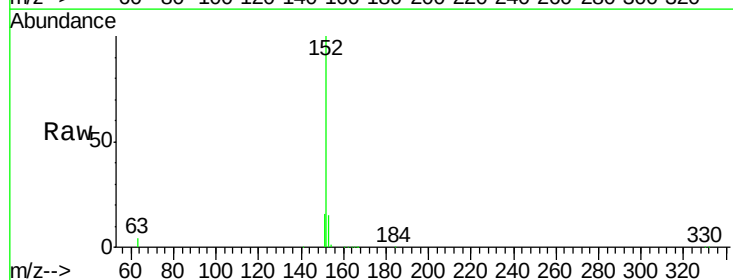
Tgt Ion:152 Resp: 172075

Ion Ratio Lower Upper

152 100

151 15.6 15.4 23.0

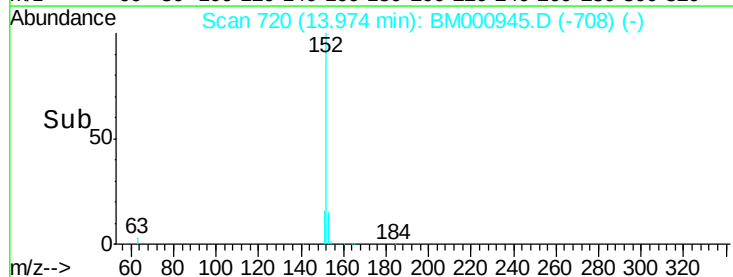
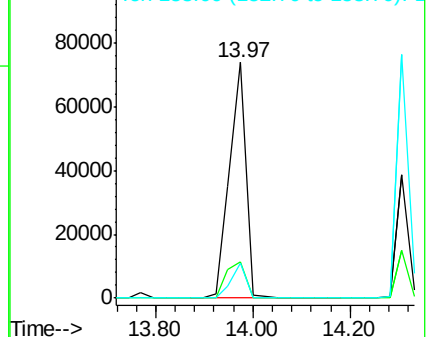
153 14.8 10.2 15.2

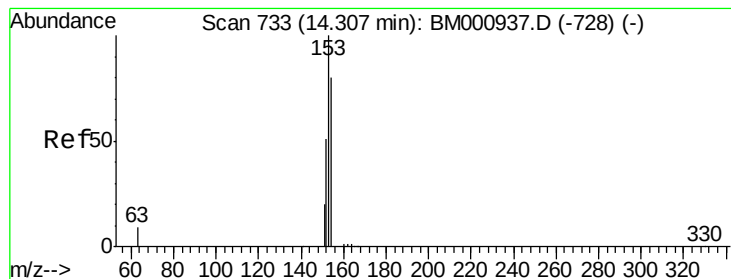


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#21

Acenaphthene

Concen: 7.52 ng

RT: 14.31 min Scan# 733

Delta R.T. -0.02 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

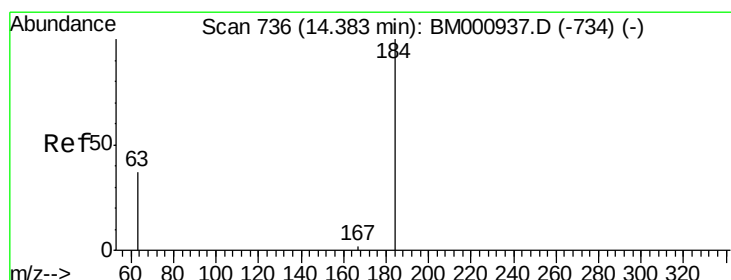
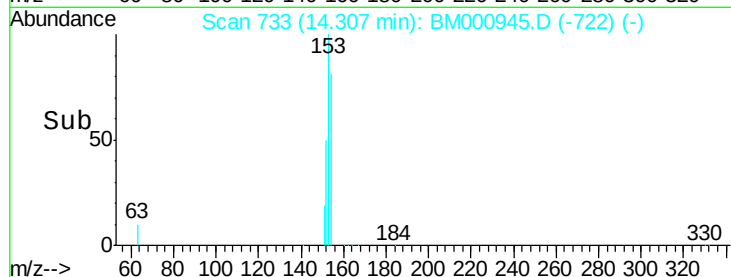
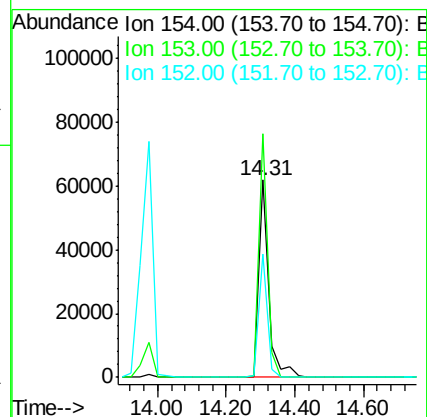
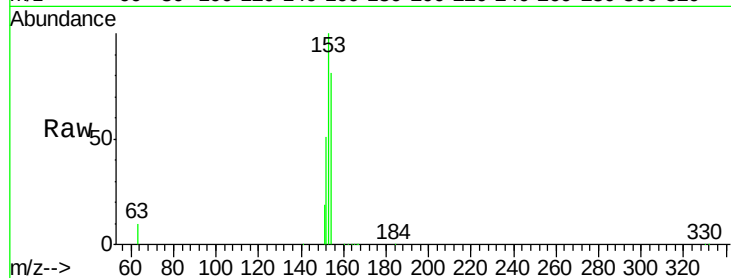
Tgt Ion:154 Resp: 120391

Ion Ratio Lower Upper

154 100

153 123.3 73.7 110.5#

152 62.7 29.0 43.6#



#22

2,4-Dinitrophenol

Concen: 12.10 ng

RT: 14.38 min Scan# 736

Delta R.T. -0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

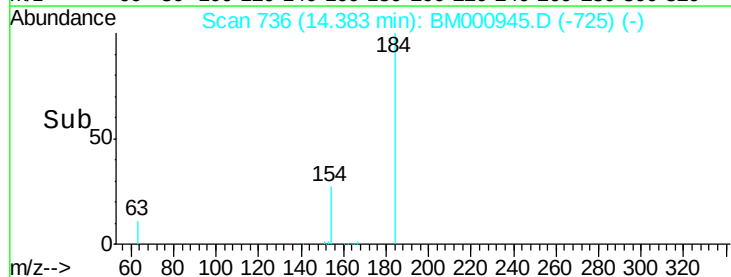
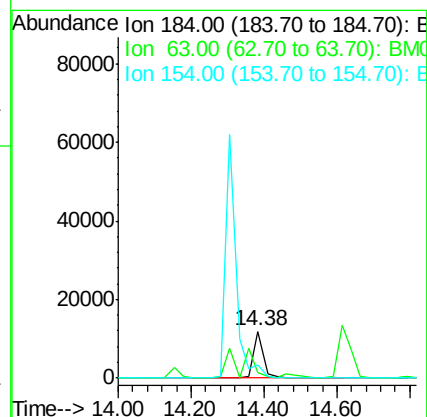
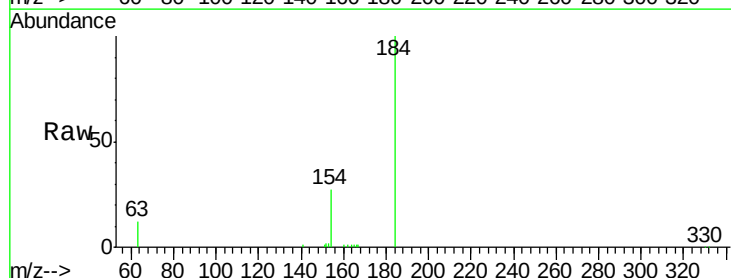
Tgt Ion:184 Resp: 21595

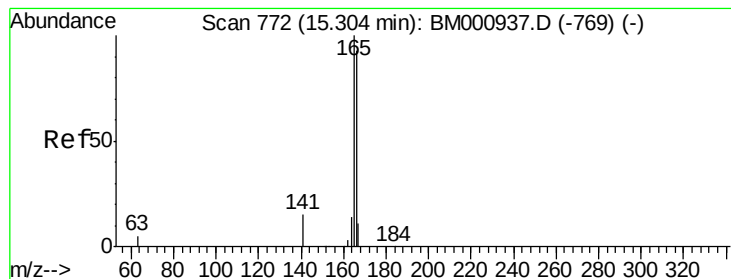
Ion Ratio Lower Upper

184 100

63 12.2 39.0 58.4#

154 27.3 43.8 65.8#





#23

Fluorene

Concen: 8.33 ng

RT: 15.30 min Scan# 772

Delta R.T. -0.02 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

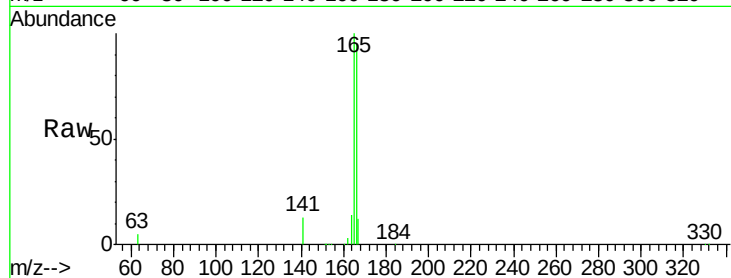
Tgt Ion:166 Resp: 155118

Ion Ratio Lower Upper

166 100

165 105.2 63.7 95.5#

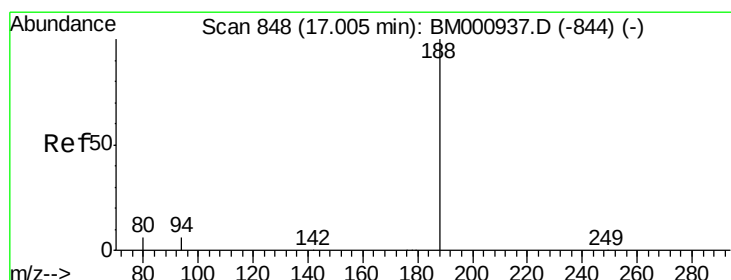
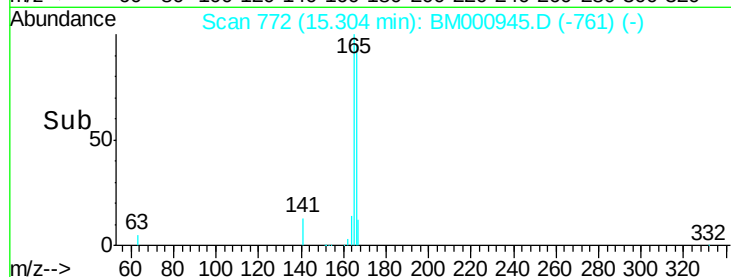
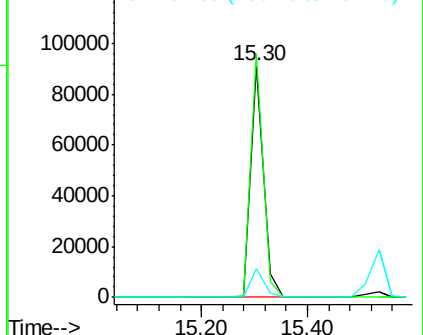
167 12.3 12.7 19.1#



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. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

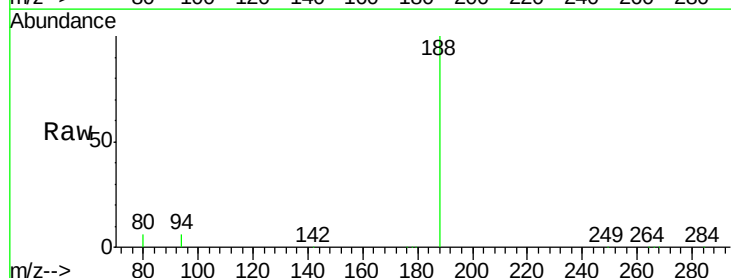
Tgt Ion:188 Resp: 108329

Ion Ratio Lower Upper

188 100

94 6.1 12.2 18.4#

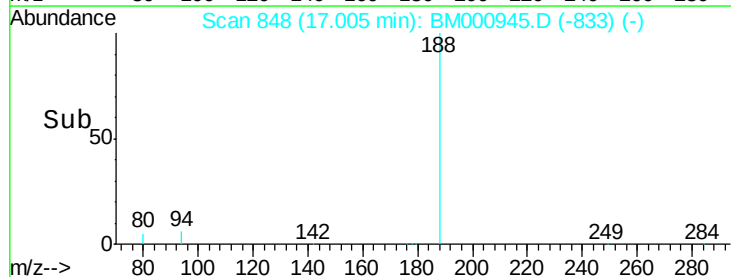
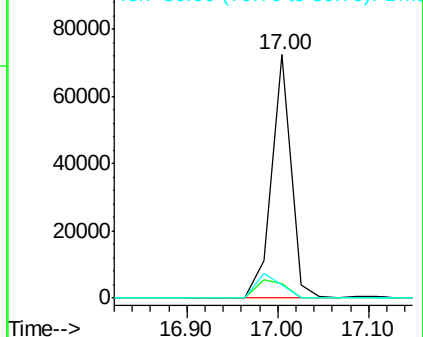
80 5.6 13.4 20.0#

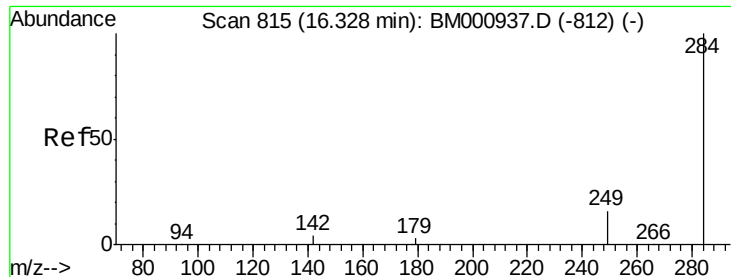


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#25

Hexachlorobenzene

Concen: 8.75 ng

RT: 16.33 min Scan# 815

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

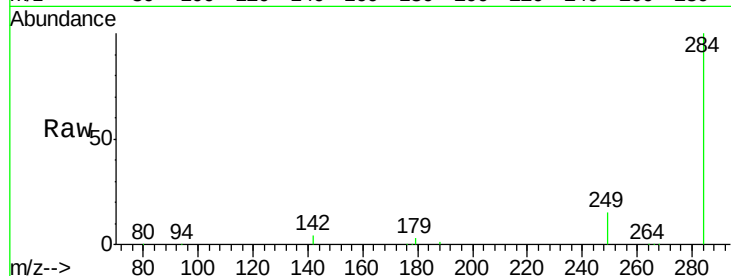
Tgt Ion:284 Resp: 51242

Ion Ratio Lower Upper

284 100

142 3.5 16.2 24.2#

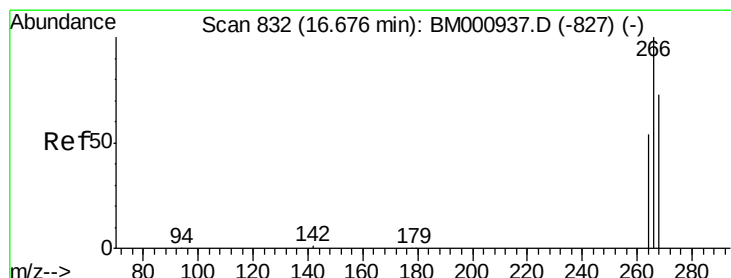
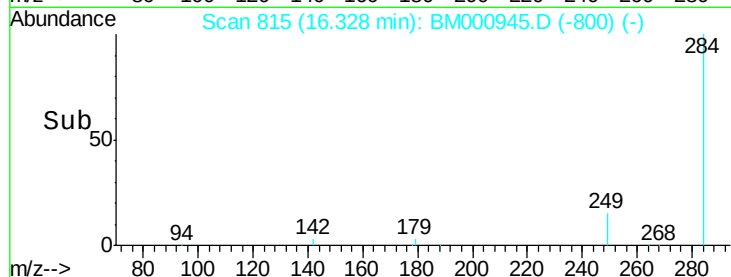
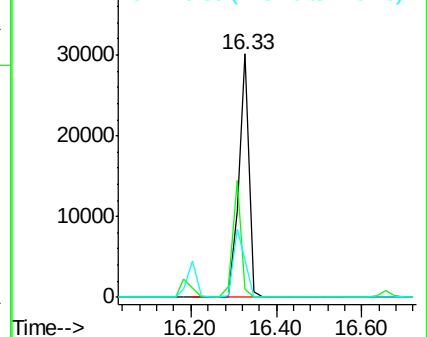
249 15.3 27.4 41.2#



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: 18.25 ng

RT: 16.66 min Scan# 831

Delta R.T. -0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

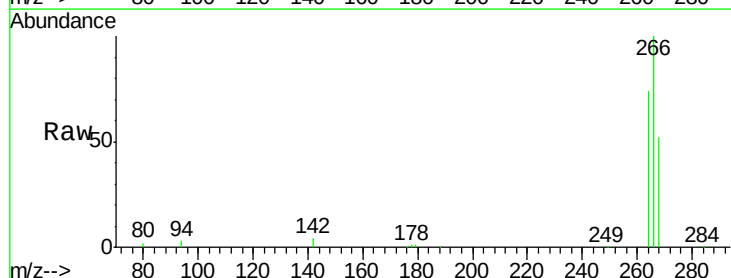
Tgt Ion:266 Resp: 42724

Ion Ratio Lower Upper

266 100

268 51.6 53.0 79.4#

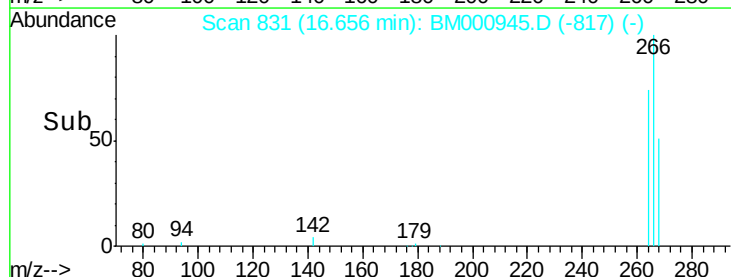
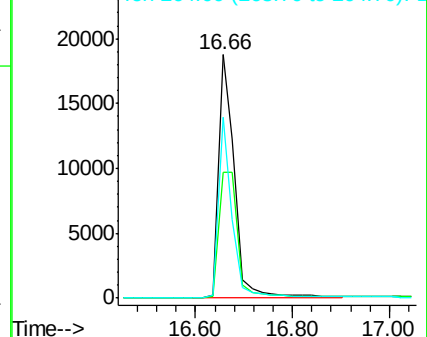
264 74.4 49.4 74.0#

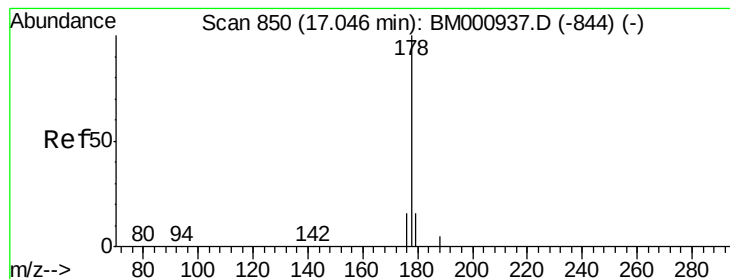


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#27

Phenanthrene

Concen: 8.70 ng

RT: 17.05 min Scan# 850

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

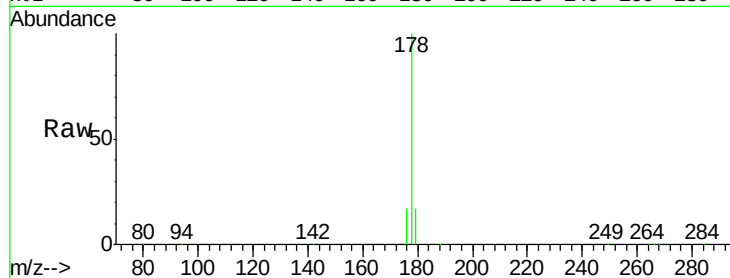
Tgt Ion:178 Resp: 243390

Ion Ratio Lower Upper

178 100

176 16.7 16.0 24.0

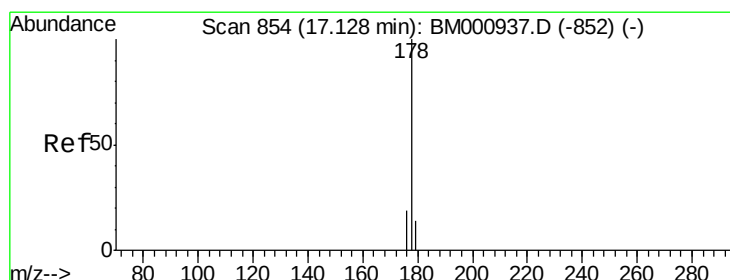
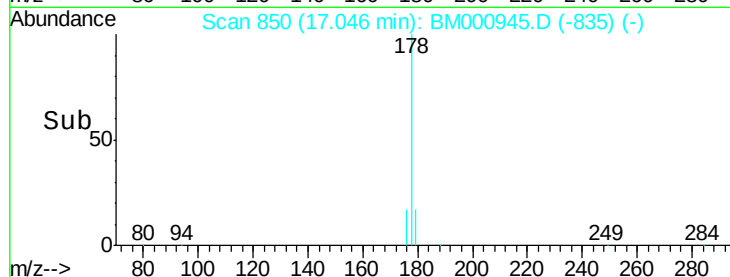
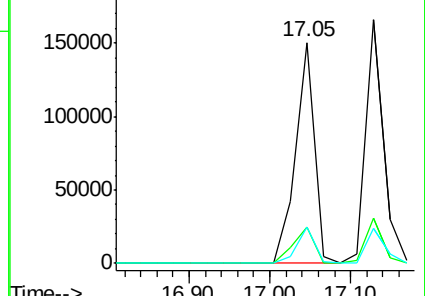
179 16.6 11.4 17.2



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: 9.90 ng

RT: 17.13 min Scan# 854

Delta R.T. -0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

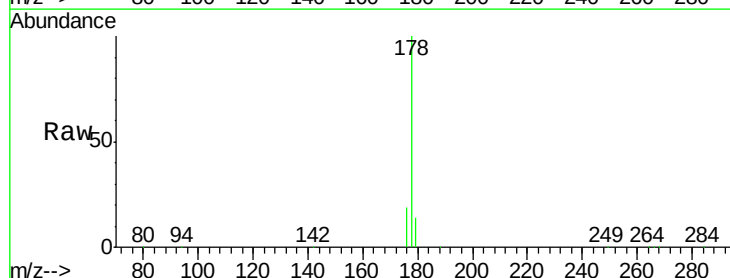
Tgt Ion:178 Resp: 253977

Ion Ratio Lower Upper

178 100

176 18.7 12.7 19.1

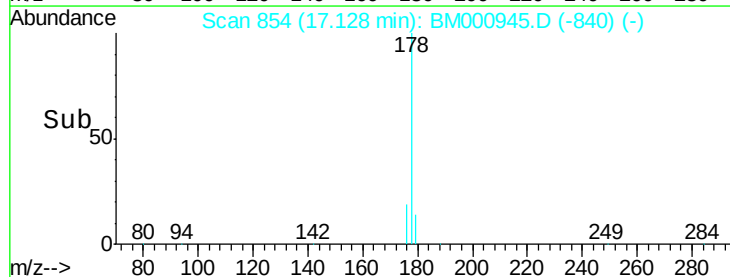
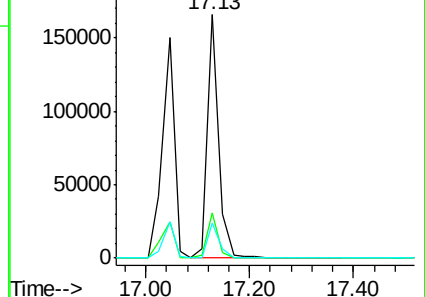
179 14.3 13.9 20.9

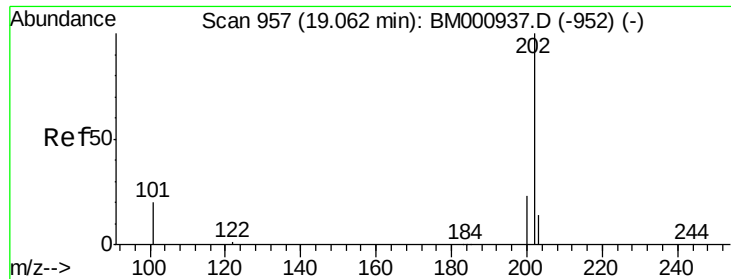


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

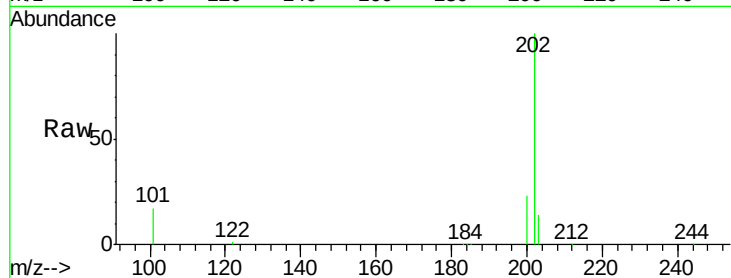




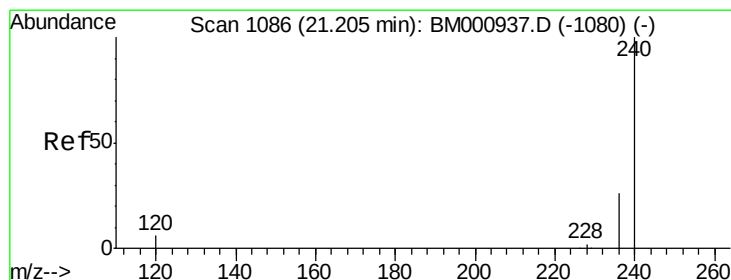
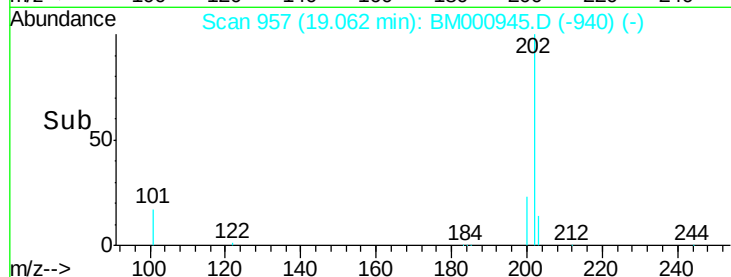
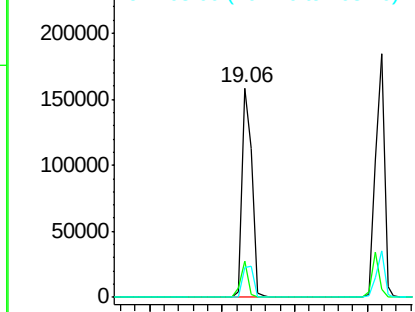
#29
Fluoranthene
Concen: 9.91 ng
RT: 19.06 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM000945.D
Acq: 10 Apr 2015 18:37

Instrument :
BNA_M
ClientSampleId :
LS-SW01MS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	289881		
101	17.1	0.0	24.1	
203	14.5	0.0	38.4	

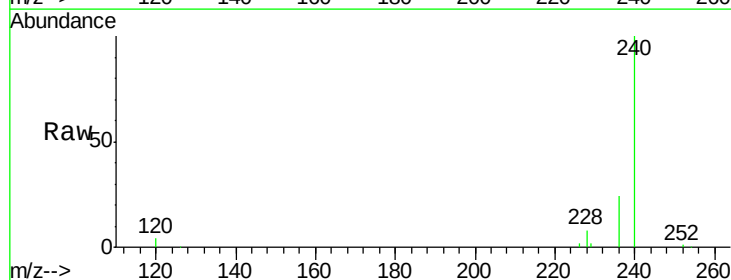


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

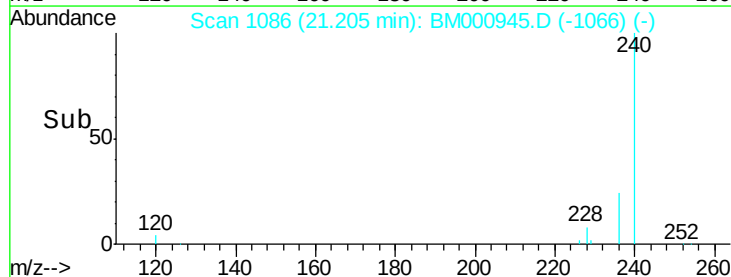
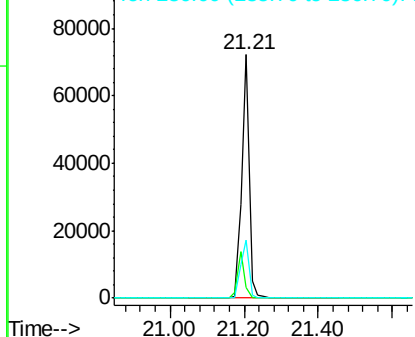


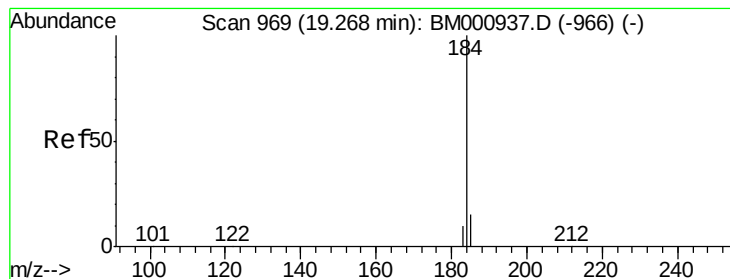
#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.21 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BM000945.D
Acq: 10 Apr 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	99694		
120	4.3	6.8	10.2#	
236	24.1	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: 0.95 ng

RT: 19.27 min Scan# 969

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

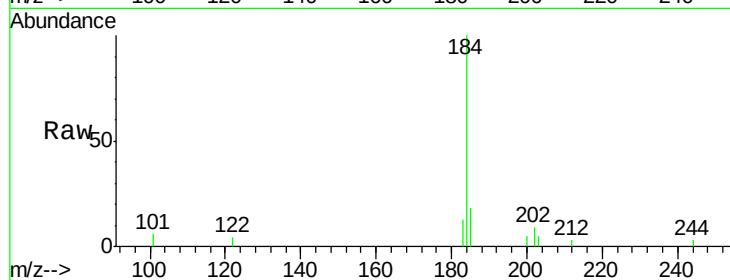
Tgt Ion:184 Resp: 4974

Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.4

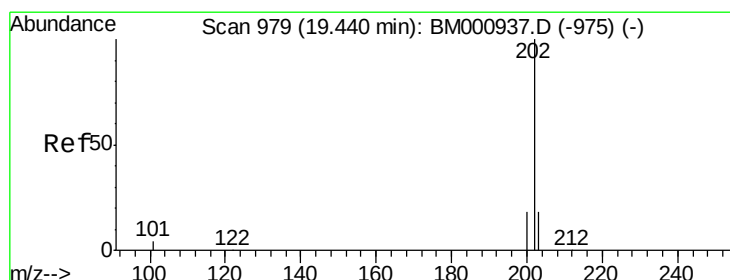
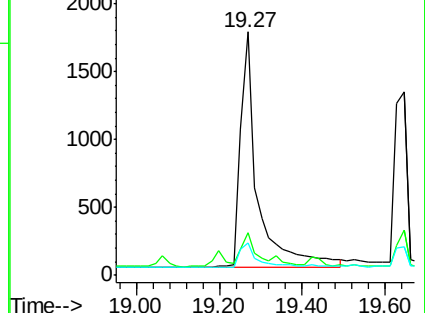
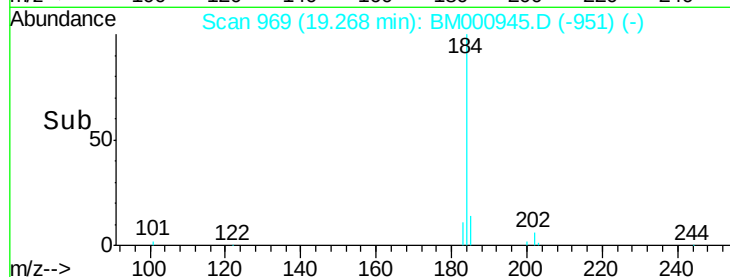
183 13.4 10.3 15.5



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: 9.55 ng

RT: 19.44 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

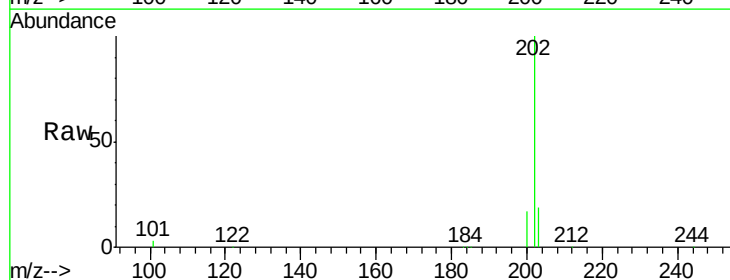
Tgt Ion:202 Resp: 309385

Ion Ratio Lower Upper

202 100

200 17.4 16.2 24.4

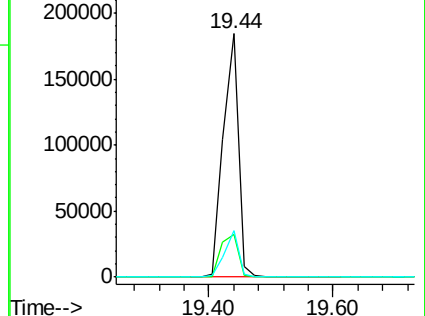
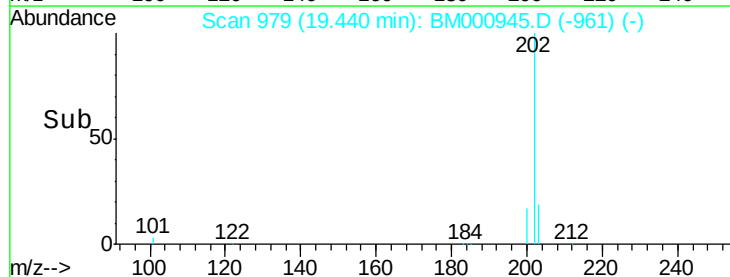
203 19.2 13.5 20.3

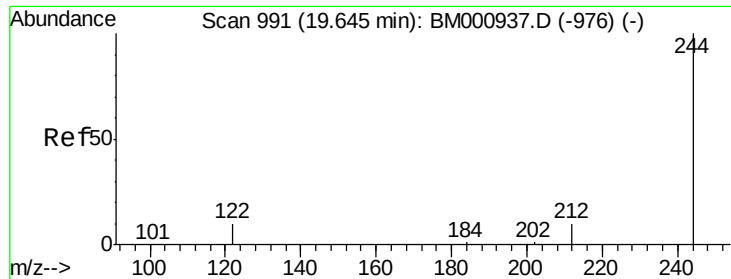


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

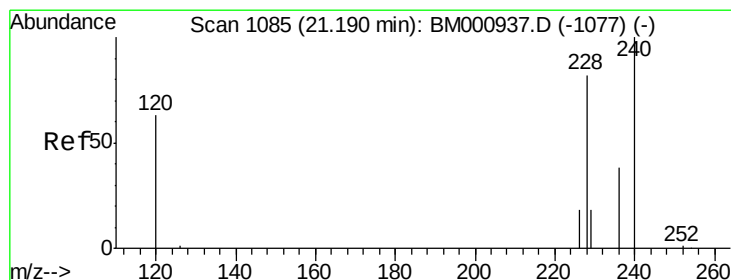
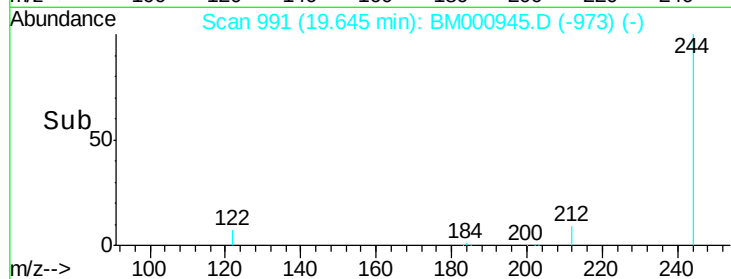
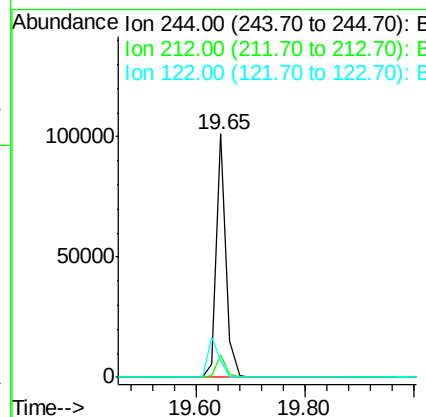
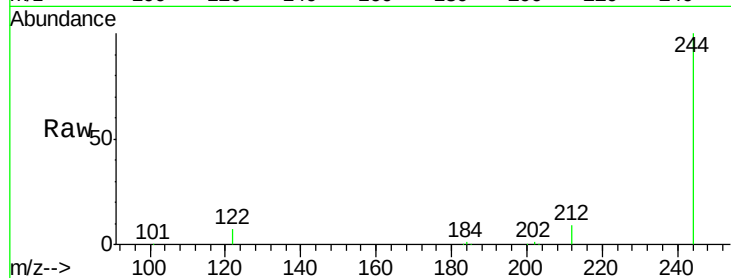




#33
 Terphenyl-d14
 Concen: 10.51 ng
 RT: 19.65 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: BM000945.D
 Acq: 10 Apr 2015 18:37

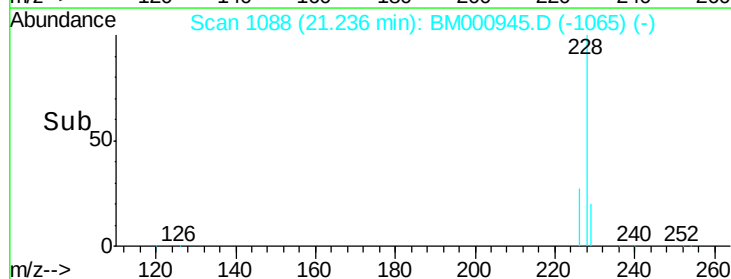
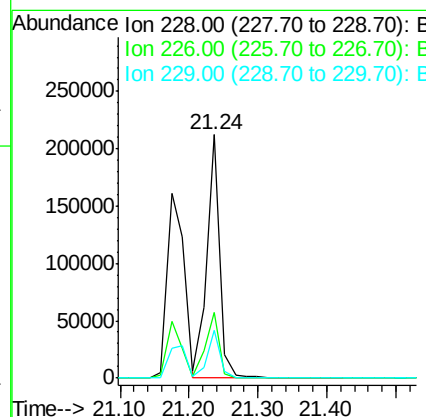
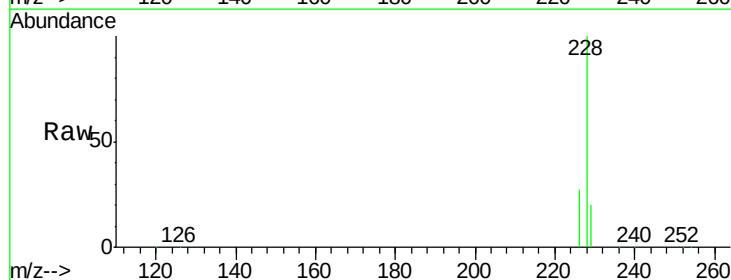
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MS

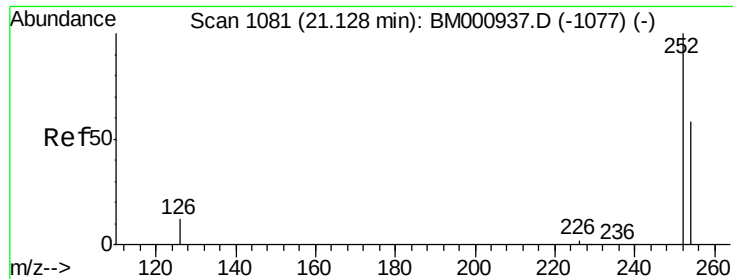
Tgt Ion:244 Resp: 127534
 Ion Ratio Lower Upper
 244 100
 212 9.2 9.4 14.0#
 122 6.9 20.9 31.3#



#34
 Benzo(a)anthracene
 Concen: 9.64 ng
 RT: 21.24 min Scan# 1088
 Delta R.T. 0.05 min
 Lab File: BM000945.D
 Acq: 10 Apr 2015 18:37

Tgt Ion:228 Resp: 277306
 Ion Ratio Lower Upper
 228 100
 226 27.2 18.9 28.3
 229 19.6 16.8 25.2

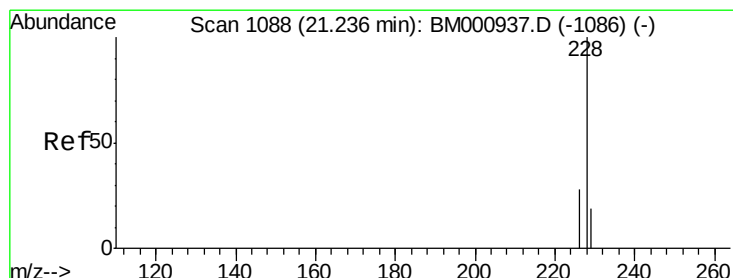
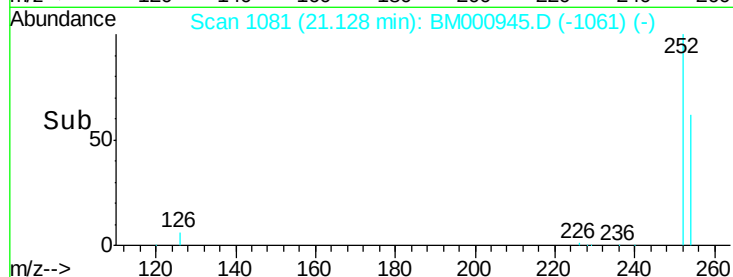
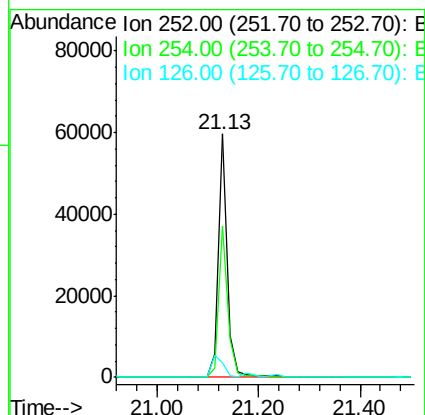
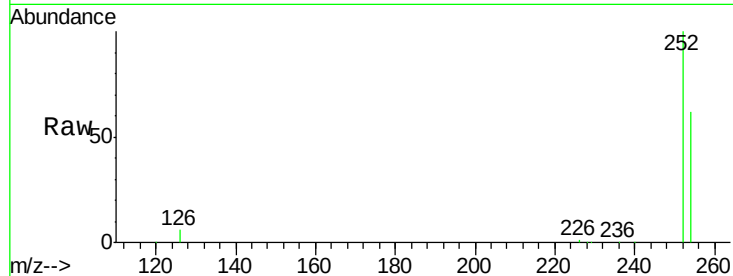




#35
 3,3'-Dichlorobenzidine
 Concen: 6.59 ng
 RT: 21.13 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BM000945.D
 Acq: 10 Apr 2015 18:37

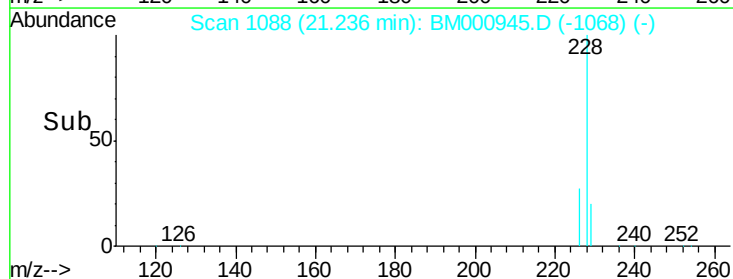
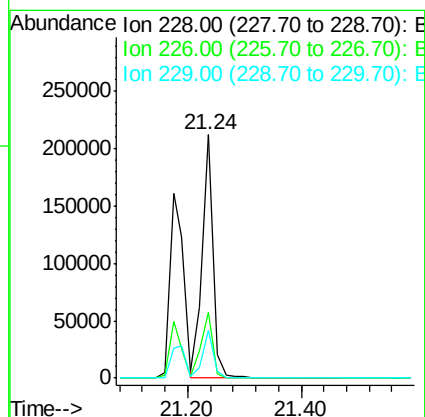
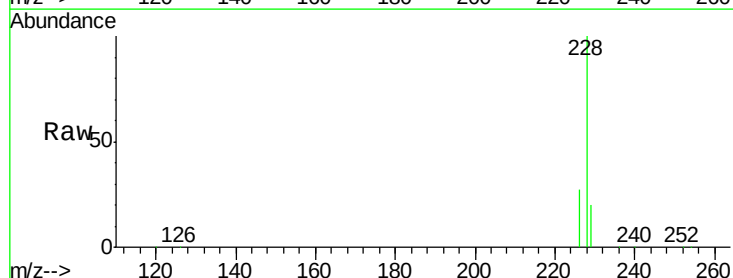
Instrument :
 BNA_M
 ClientSampleId :
 LS-SW01MS

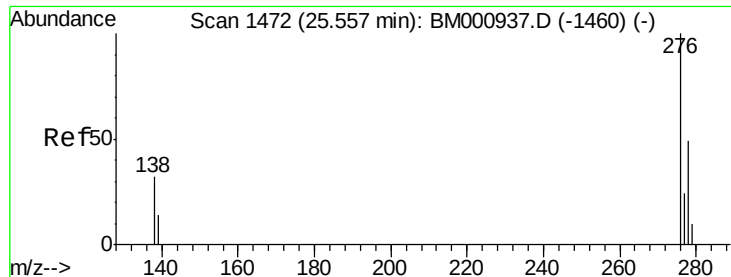
Tgt Ion: 252 Resp: 73646
 Ion Ratio Lower Upper
 252 100
 254 62.1 43.4 65.2
 126 5.9 12.3 18.5#



#36
 Chrysene
 Concen: 9.45 ng
 RT: 21.24 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: BM000945.D
 Acq: 10 Apr 2015 18:37

Tgt Ion: 228 Resp: 278031
 Ion Ratio Lower Upper
 228 100
 226 27.2 23.4 35.2
 229 19.6 15.0 22.6





#37

Indeno(1,2,3-cd)pyrene

Concen: 9.26 ng

RT: 25.56 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

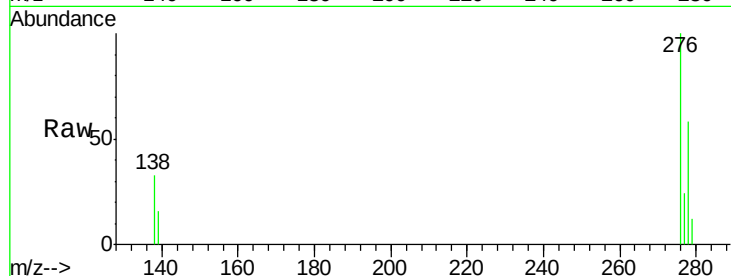
Tgt Ion:276 Resp: 278023

Ion Ratio Lower Upper

276 100

138 33.7 26.6 40.0

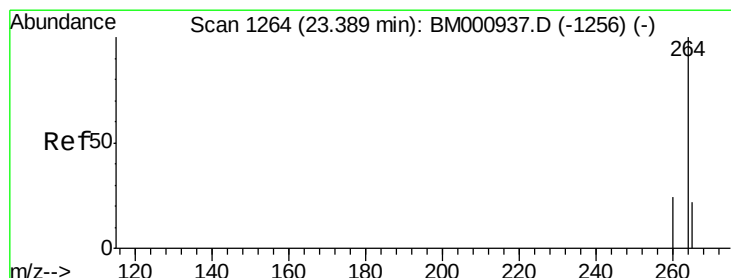
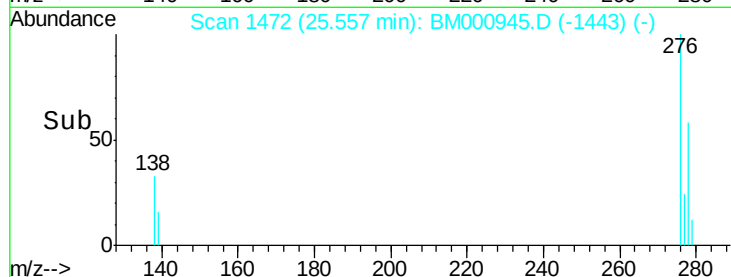
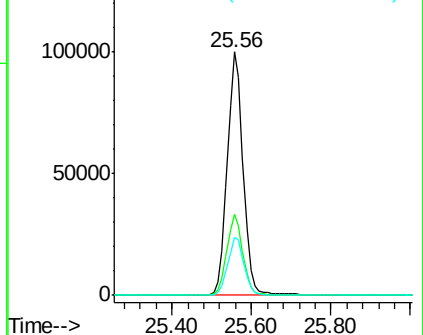
277 24.6 19.8 29.6



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. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

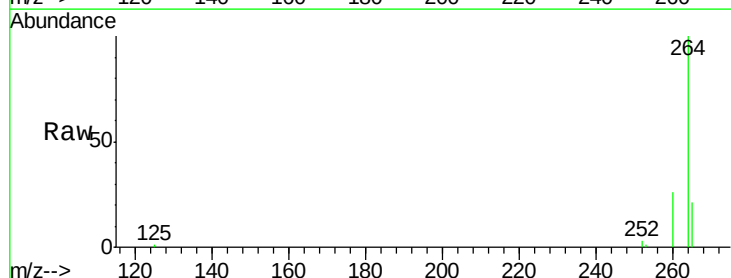
Tgt Ion:264 Resp: 88664

Ion Ratio Lower Upper

264 100

260 26.2 20.6 30.8

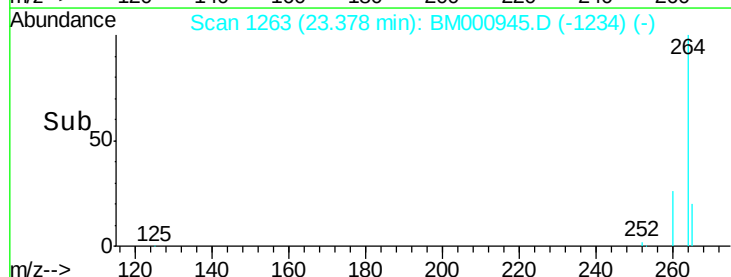
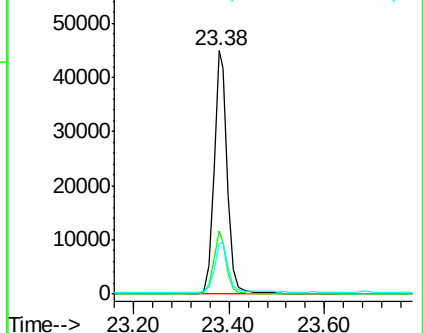
265 20.5 16.4 24.6

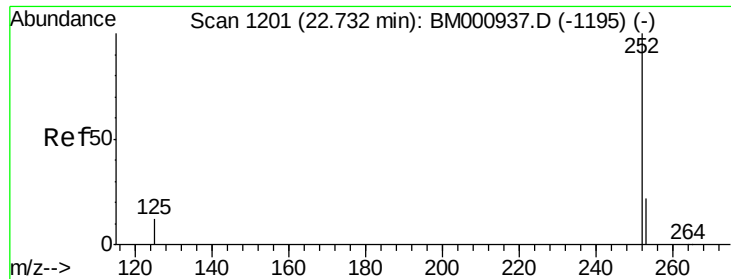


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#39

Benzo(b)fluoranthene

Concen: 10.39 ng

RT: 22.73 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

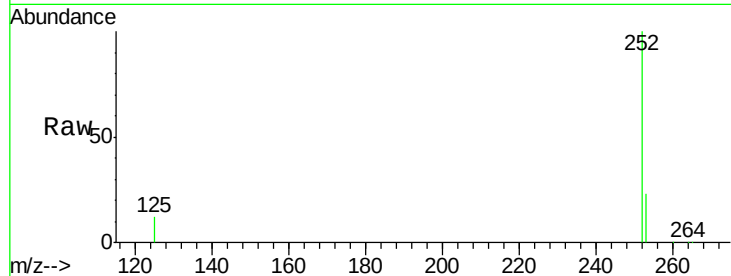
Tgt Ion:252 Resp: 288269

Ion Ratio Lower Upper

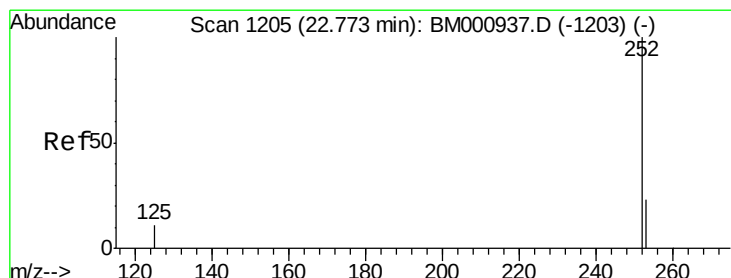
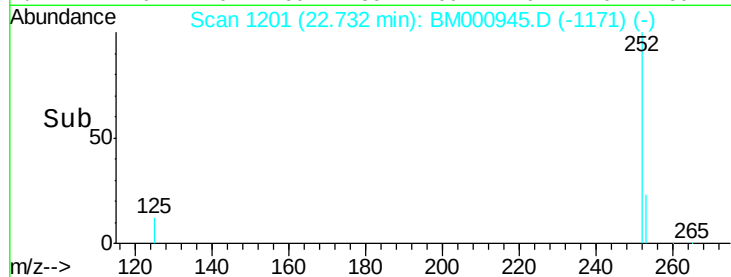
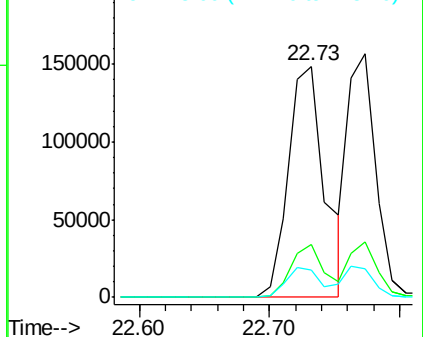
252 100

253 22.9 16.9 25.3

125 12.0 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: 8.90 ng

RT: 22.77 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

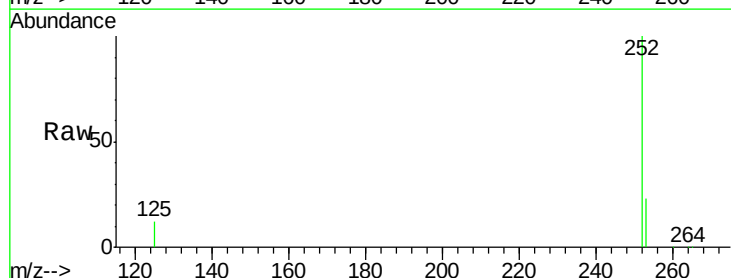
Tgt Ion:252 Resp: 237661

Ion Ratio Lower Upper

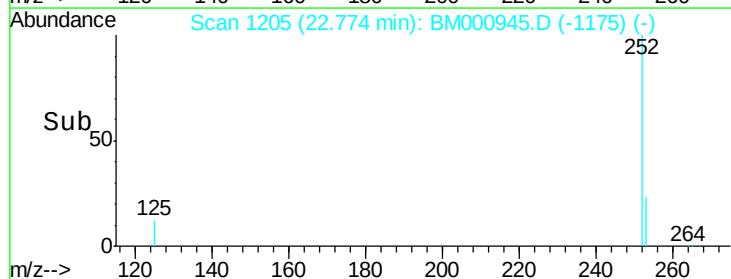
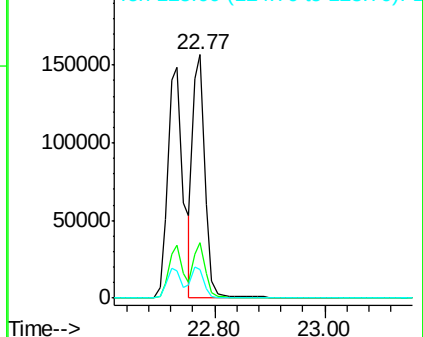
252 100

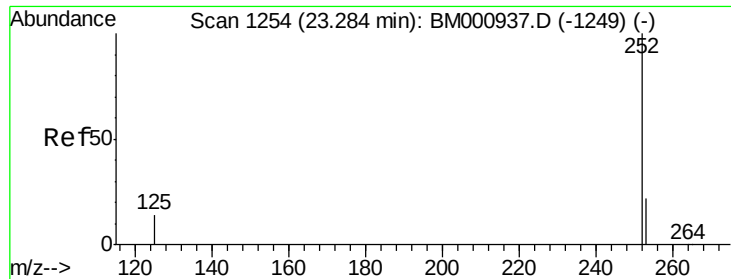
253 22.9 16.9 25.3

125 11.9 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: 10.14 ng

RT: 23.28 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS

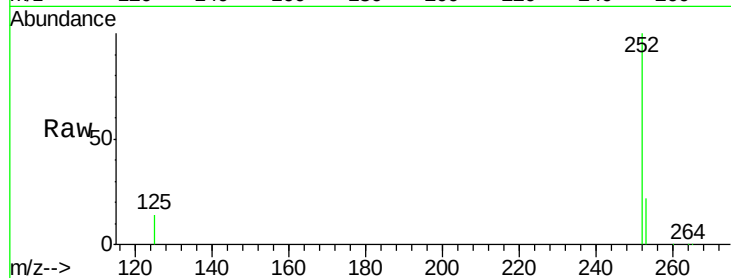
Tgt Ion:252 Resp: 247922

Ion Ratio Lower Upper

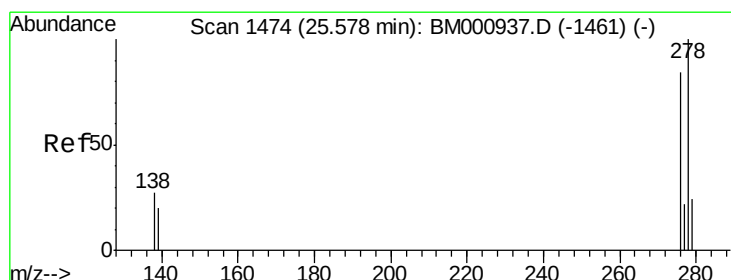
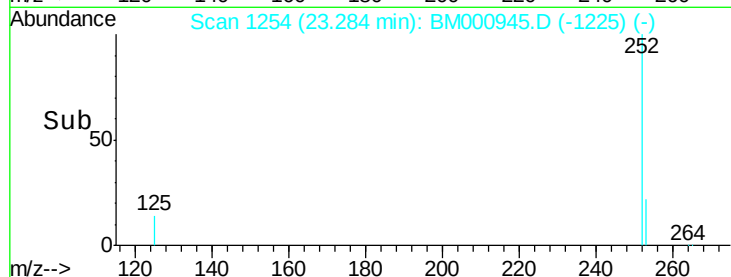
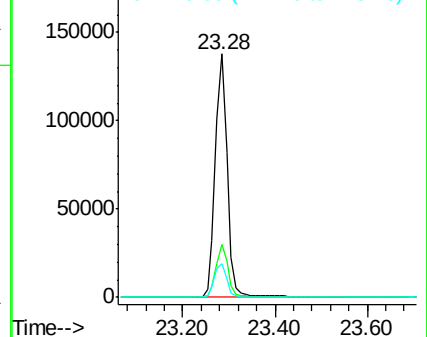
252 100

253 21.9 19.0 28.4

125 13.9 11.0 16.6



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



#42

Dibenzo(a,h)anthracene

Concen: 9.90 ng

RT: 25.57 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BM000945.D

Acq: 10 Apr 2015 18:37

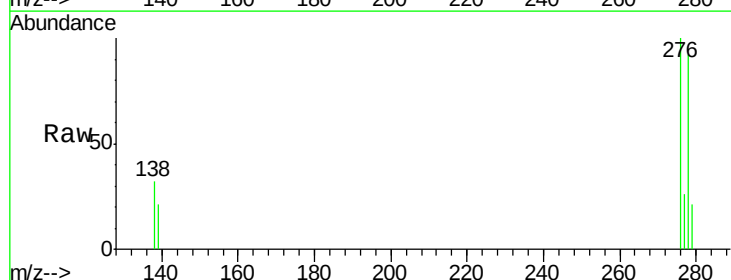
Tgt Ion:278 Resp: 224228

Ion Ratio Lower Upper

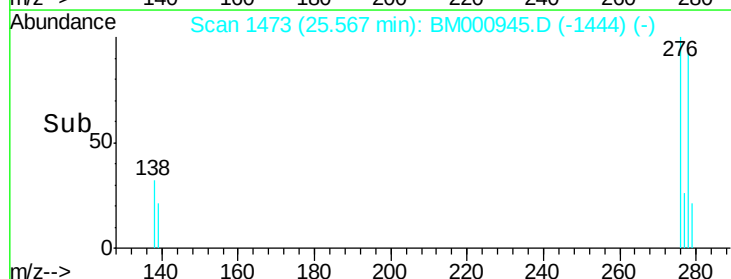
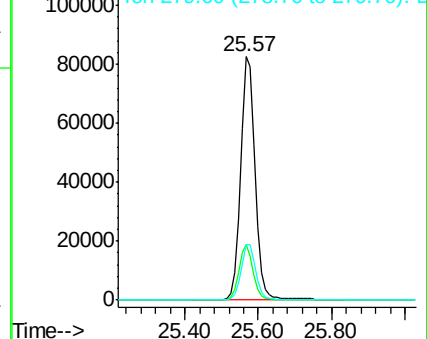
278 100

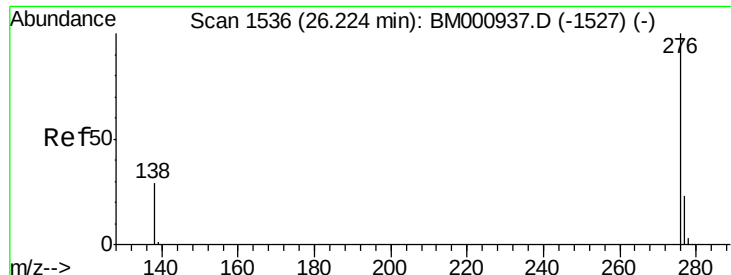
139 22.7 17.8 26.8

279 22.6 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#43

Benzo(g,h,i)perylene

Concen: 9.53 ng

RT: 26.22 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM000945.D

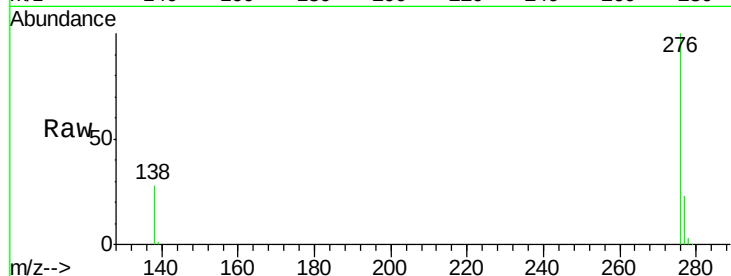
Acq: 10 Apr 2015 18:37

Instrument :

BNA_M

ClientSampleId :

LS-SW01MS



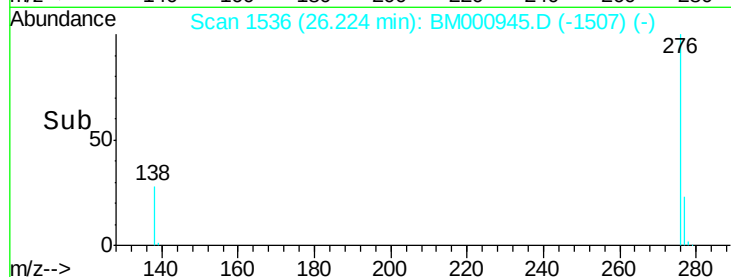
Tgt Ion: 276 Resp: 238326

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 28.3 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

100000

80000

60000

40000

20000

0

26.22

26.00 26.20 26.40 26.60

Time-->