

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
 Data File : BM002932.D
 Acq On : 16 Oct 2015 13:41
 Operator : UM/IZ
 Sample : PB86139BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB86139BS

Quant Time: Oct 16 23:00:53 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 22:59:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	96314	5.00	ng	-0.02
7) Naphthalene-d8	11.49	136	413268	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	227089	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	549728	5.00	ng	0.00
26) Chrysene-d12	22.03	240	438450	5.00	ng	0.00
35) Perylene-d12	24.60	264	360273	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	120958	6.72	ng	-0.03
5) Phenol-d6	7.77	99	165084	7.18	ng	-0.02
8) Nitrobenzene-d5	9.85	82	69309	3.50	ng	-0.01
14) 2,4,6-Tribromophenol	16.71	330	53272	6.03	ng	0.00
15) 2-Fluorobiphenyl	13.87	172	238438	3.28	ng	0.00
29) Terphenyl-d14	20.48	244	227271	3.46	ng	0.00

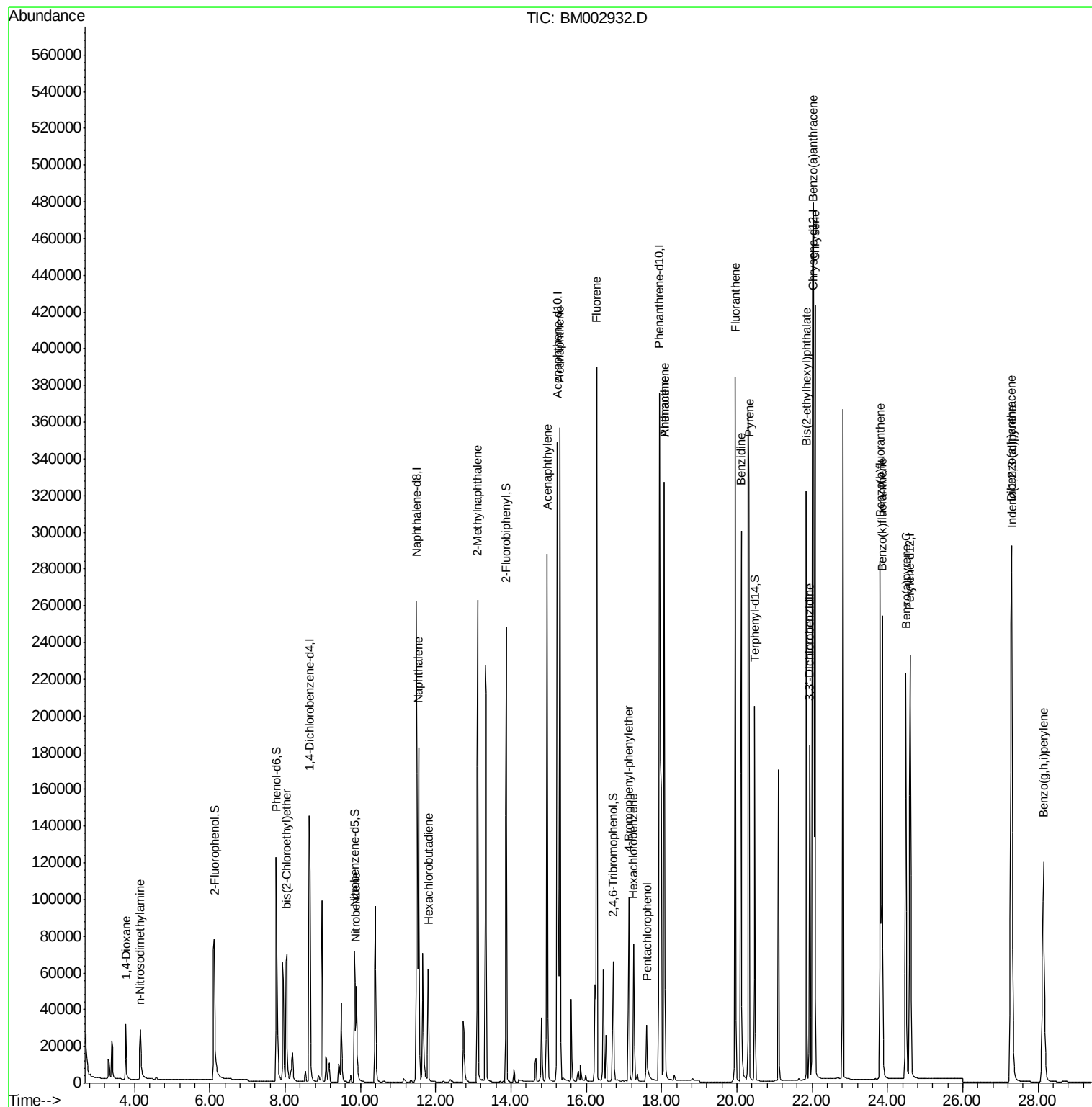
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.77	88	25544	2.91	ng	99
3) n-Nitrosodimethylamine	4.14	42	23855	3.49	ng	# 96
6) bis(2-Chloroethyl)ether	8.04	93	76142	3.47	ng	97
9) Nitrobenzene	9.89	77	73627	3.51	ng	99
10) Naphthalene	11.54	128	285869	3.11	ng	97
11) Hexachlorobutadiene	11.80	225	45117	3.05	ng	100
12) 2-Methylnaphthalene	13.11	142	204124	3.30	ng	98
16) Acenaphthylene	14.96	152	350144	3.53	ng	100
17) Acenaphthene	15.29	154	206670	3.04	ng	# 100
18) Fluorene	16.27	166	272777	3.36	ng	100
20) 4-Bromophenyl-phenylether	17.13	248	69893	3.07	ng	# 52
21) Hexachlorobenzene	17.26	284	73180	3.47	ng	# 74
22) Pentachlorophenol	17.61	266	30582	11.88	ng	91
23) Phenanthrene	18.07	178	428703	3.35	ng	99
24) Anthracene	18.07	178	440757	3.61	ng	98
25) Fluoranthene	19.96	202	460921	3.25	ng	99
27) Benzidine	20.12	184	442858	6.85	ng	98
28) Pyrene	20.32	202	486121	3.76	ng	99
30) Benzo(a)anthracene	22.01	228	464918	3.67	ng	92
31) 3,3'-Dichlorobenzidine	21.93	252	164142	3.83	ng	# 91
32) Chrysene	22.07	228	385534	3.25	ng	94
33) Bis(2-ethylhexyl)phthalate	21.85	149	335174	3.52	ng	# 91
34) Indeno(1,2,3-cd)pyrene	27.30	276	359178	2.95	ng	97
36) Benzo(b)fluoranthene	23.81	252	376436	3.64	ng	99
37) Benzo(k)fluoranthene	23.86	252	380483	3.76	ng	98
38) Benzo(a)pyrene	24.49	252	349017	3.82	ng	98
39) Dibenzo(a,h)anthracene	27.29	278	291523	3.33	ng	99
40) Benzo(g,h,i)perylene	28.15	276	294722	3.22	ng	98

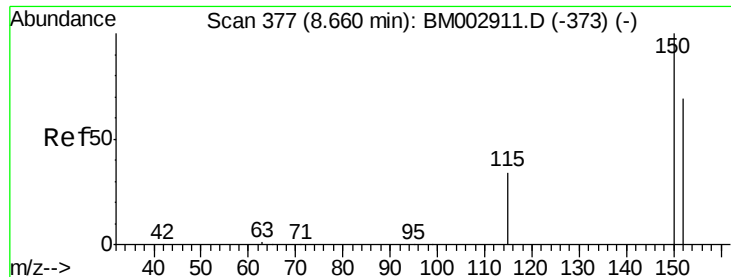
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 22:59:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.64 min Scan# 376

Delta R.T. -0.02 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

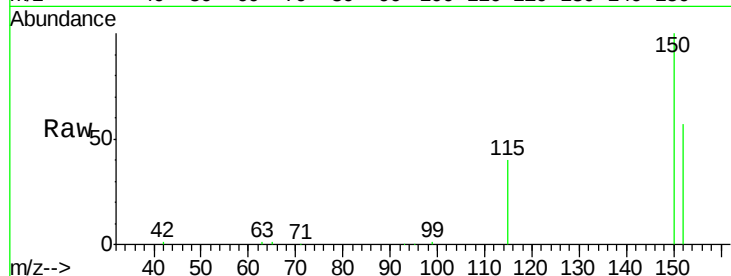
Tot Ion:152 Resp: 96314

Ion Ratio Lower Upper

152 100

150 174.8 113.0 169.6#

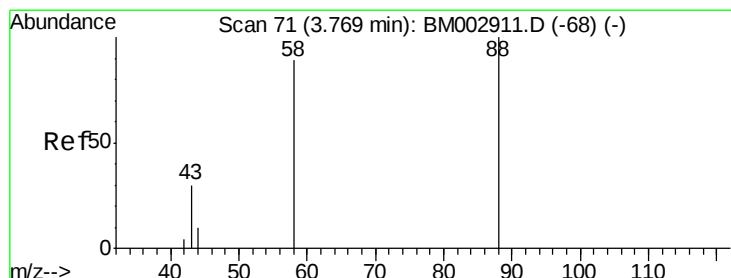
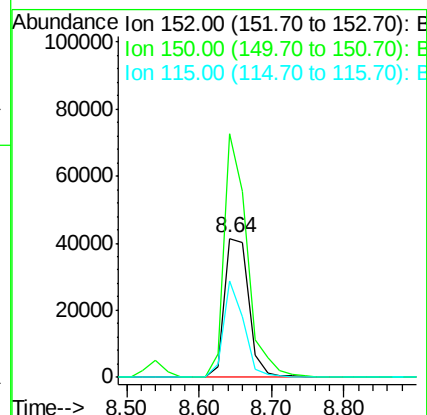
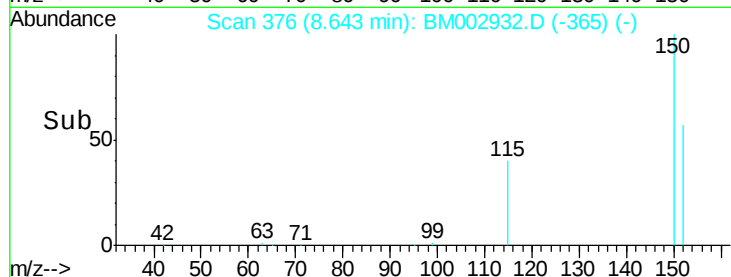
115 69.6 37.9 56.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.91 ng

RT: 3.77 min Scan# 71

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

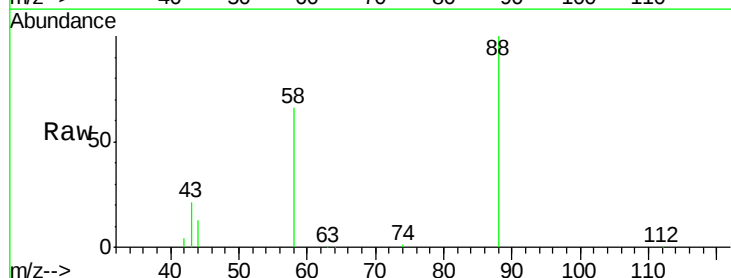
Tgt Ion: 88 Resp: 25544

Ion Ratio Lower Upper

88 100

58 71.0 56.7 85.1

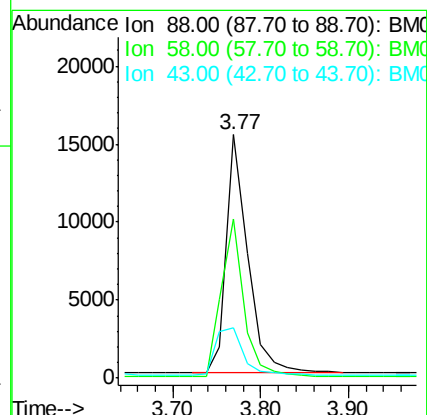
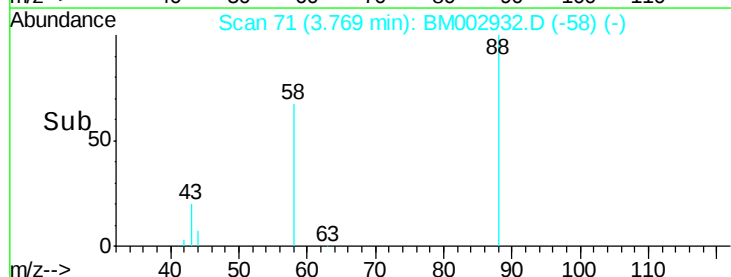
43 25.3 22.0 33.0

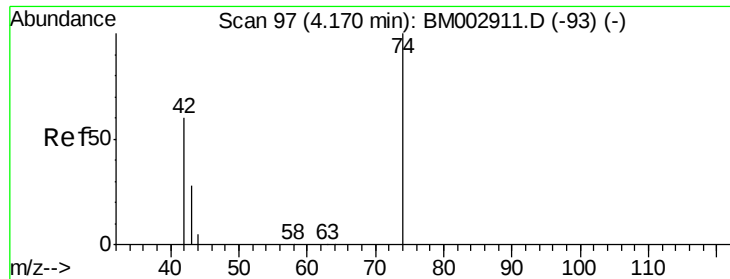


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 3.49 ng

RT: 4.14 min Scan# 95

Delta R.T. -0.02 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

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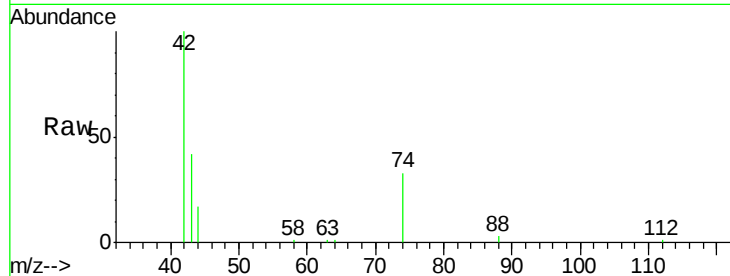
Tot Ion: 42 Resp: 23855

Ion Ratio Lower Upper

42 100

74 145.2 119.7 179.5

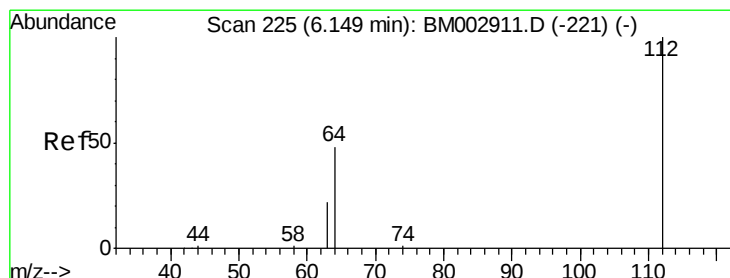
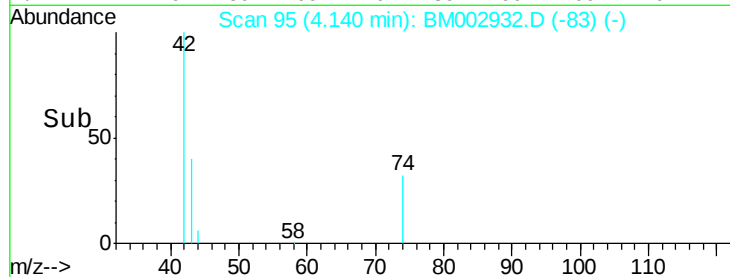
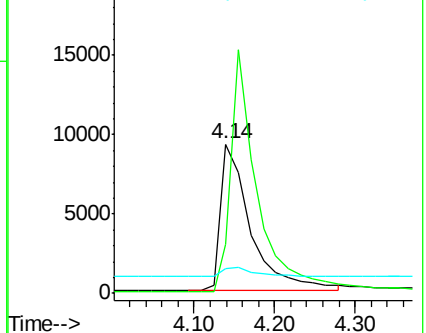
44 7.9 9.8 14.6#



Abundance Ion 42.00 (41.70 to 42.70): BM002911.D (-93) (-)

Ion 74.00 (73.70 to 74.70): BM002911.D (-93) (-)

Ion 44.00 (43.70 to 44.70): BM002911.D (-93) (-)



#4

2-Fluorophenol

Concen: 6.72 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

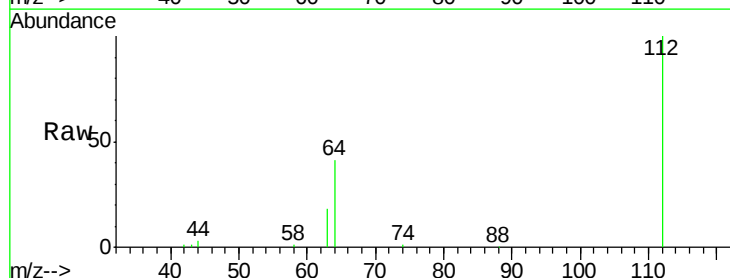
Tgt Ion: 112 Resp: 120958

Ion Ratio Lower Upper

112 100

64 51.7 42.0 63.0

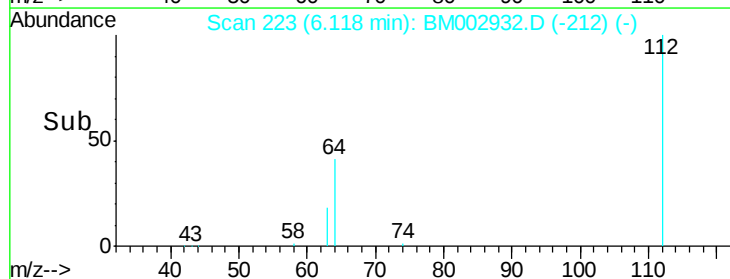
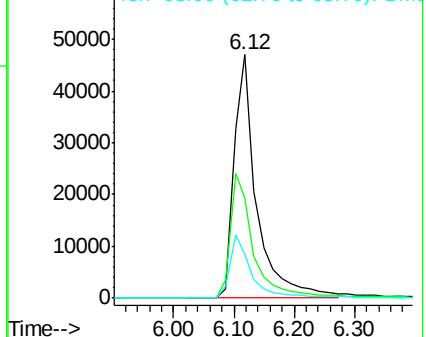
63 24.5 20.0 30.0

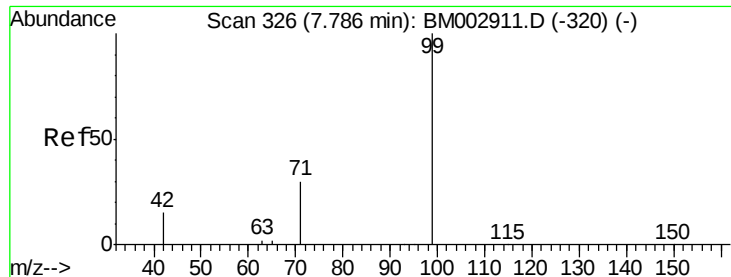


Abundance Ion 112.00 (111.70 to 112.70): BM002911.D (-221) (-)

Ion 64.00 (63.70 to 64.70): BM002911.D (-221) (-)

Ion 63.00 (62.70 to 63.70): BM002911.D (-221) (-)





#5

Phenol-d6

Concen: 7.18 ng

RT: 7.77 min Scan# 325

Delta R.T. -0.02 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

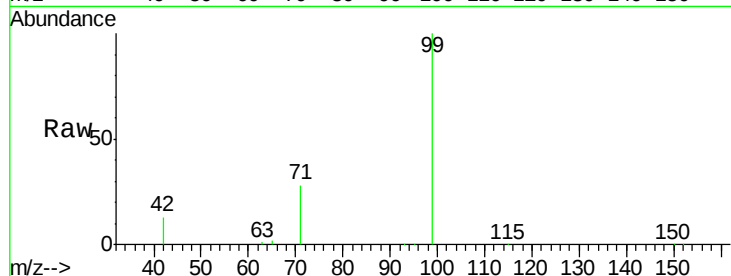
Tot Ion: 99 Resp: 165084

Ion Ratio Lower Upper

99 100

42 15.3 12.4 18.6

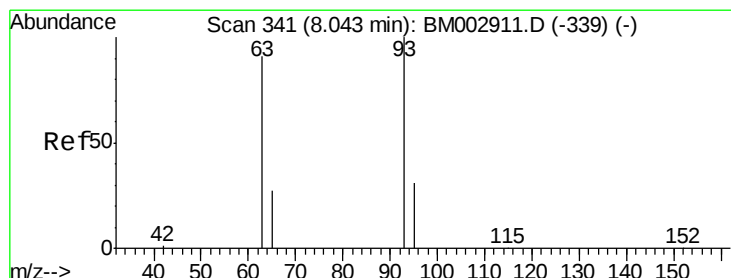
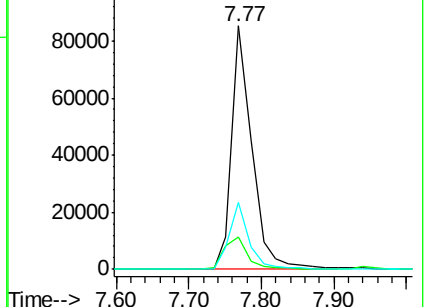
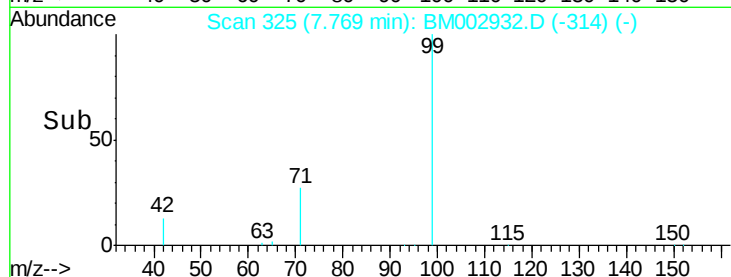
71 26.5 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002932.D (-314) (-)

Ion 42.00 (41.70 to 42.70): BM002932.D (-314) (-)

Ion 71.00 (70.70 to 71.70): BM002932.D (-314) (-)



#6

bis(2-Chloroethyl)ether

Concen: 3.47 ng

RT: 8.04 min Scan# 341

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

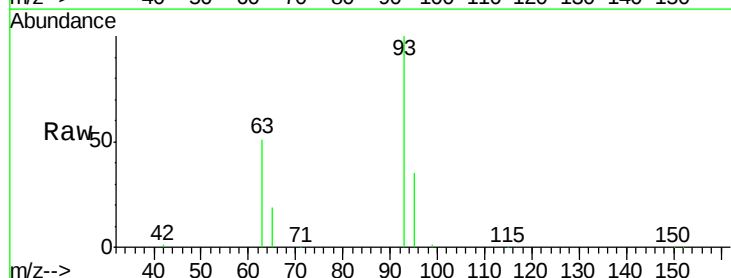
Tgt Ion: 93 Resp: 76142

Ion Ratio Lower Upper

93 100

63 69.6 52.9 79.3

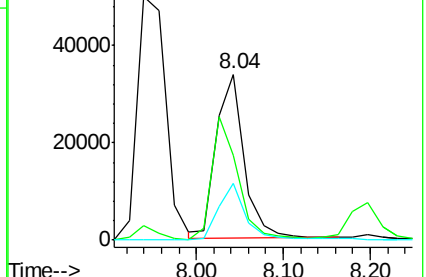
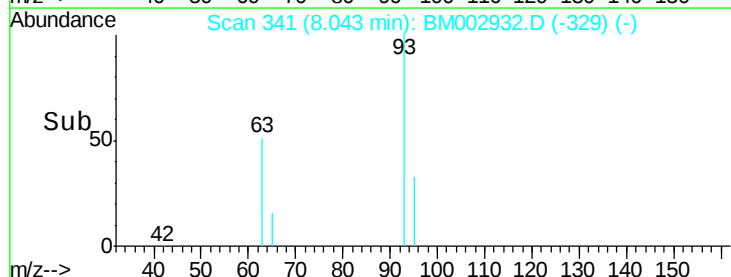
95 32.1 25.2 37.8

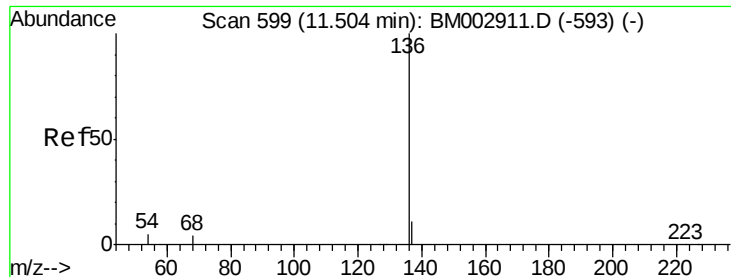


Abundance Ion 93.00 (92.70 to 93.70): BM002932.D (-329) (-)

Ion 63.00 (62.70 to 63.70): BM002932.D (-329) (-)

Ion 95.00 (94.70 to 95.70): BM002932.D (-329) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.49 min Scan# 599

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

Tot Ion:136 Resp: 413268

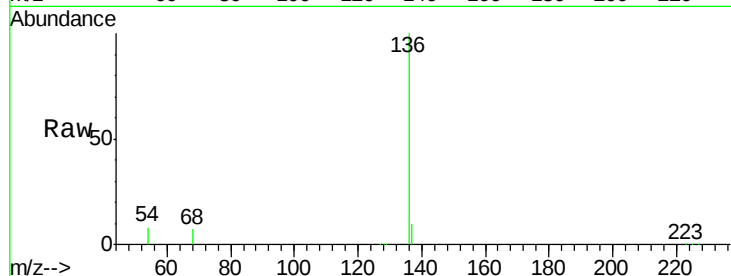
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 8.3 3.5 5.3#

68 7.0 3.3 4.9#

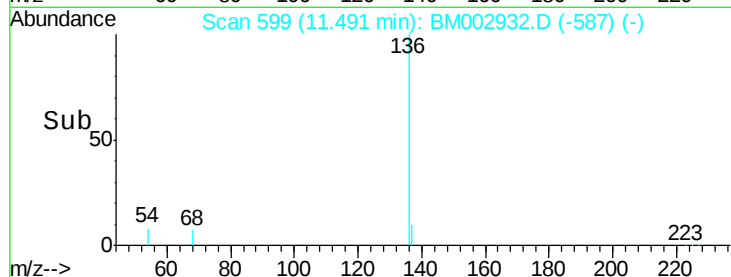


Abundance Ion 136.00 (135.70 to 136.70): E

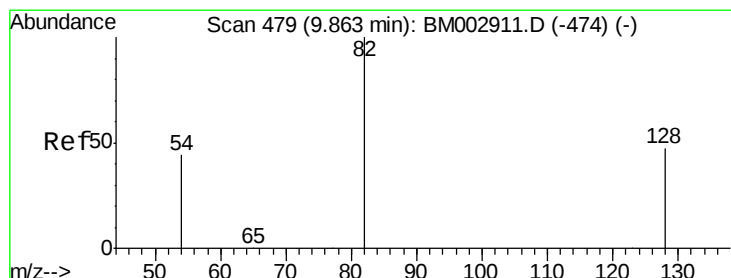
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time--> 11.30 11.40 11.50 11.60



#8

Nitrobenzene-d5

Concen: 3.50 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.01 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

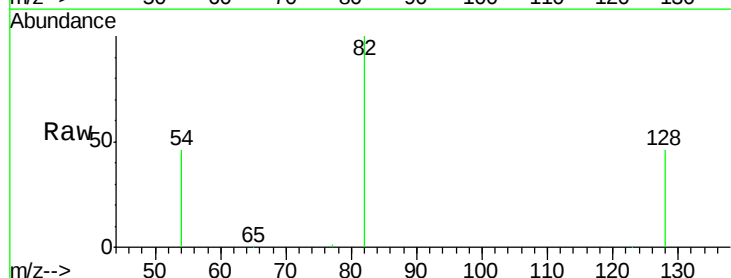
Tgt Ion: 82 Resp: 69309

Ion Ratio Lower Upper

82 100

128 46.0 34.1 51.1

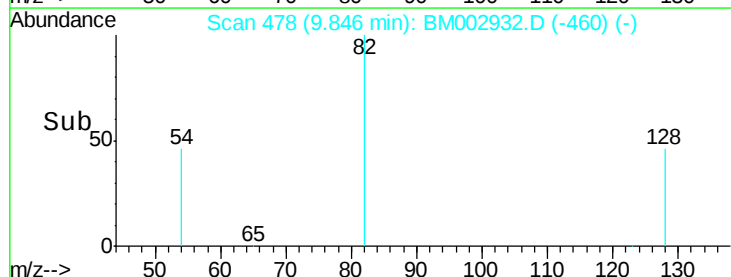
54 45.9 42.6 63.8



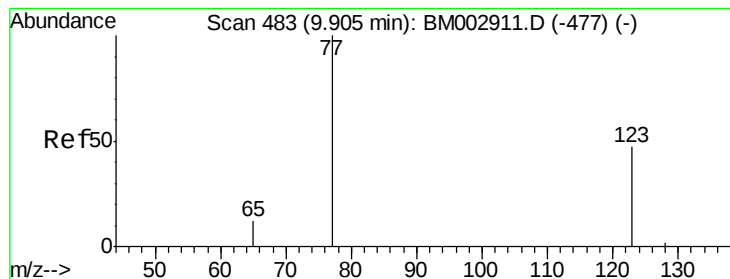
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time--> 9.70 9.80 9.90 10.00



#9

Nitrobenzene

Concen: 3.51 ng

RT: 9.89 min Scan# 482

Delta R.T. -0.02 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

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PB86139BS

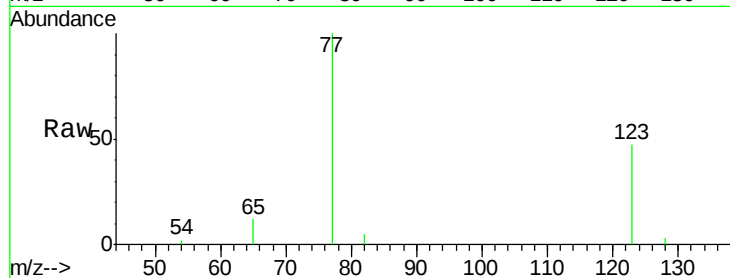
Tot Ion: 77 Resp: 73627

Ion Ratio Lower Upper

77 100

123 52.3 41.0 61.4

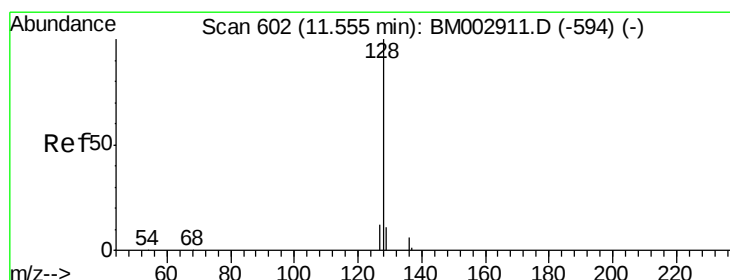
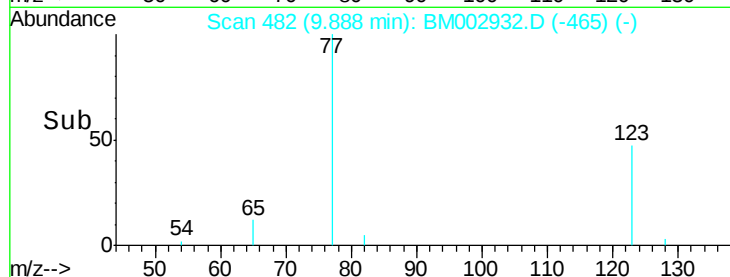
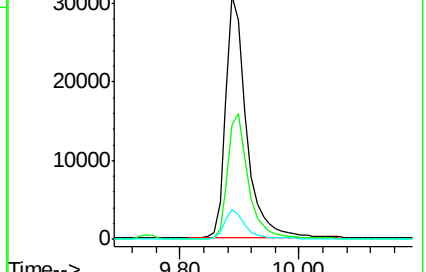
65 12.1 9.7 14.5



Abundance Ion 77.00 (76.70 to 77.70): BM002932.D (-477) (-)

Ion 123.00 (122.70 to 123.70): BM002932.D (-477) (-)

Ion 65.00 (64.70 to 65.70): BM002932.D (-477) (-)



#10

Naphthalene

Concen: 3.11 ng

RT: 11.54 min Scan# 602

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

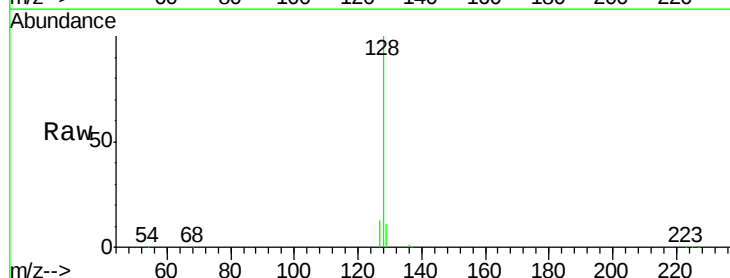
Tgt Ion: 128 Resp: 285869

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.2

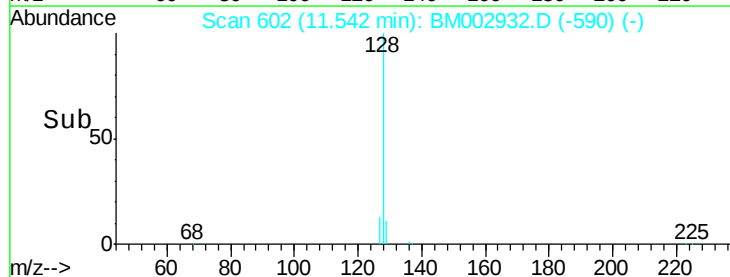
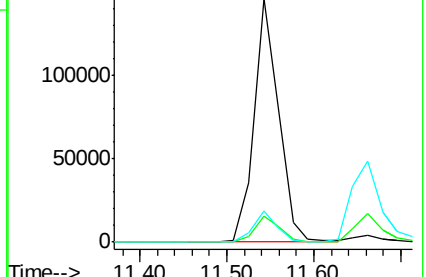
127 13.0 9.6 14.4

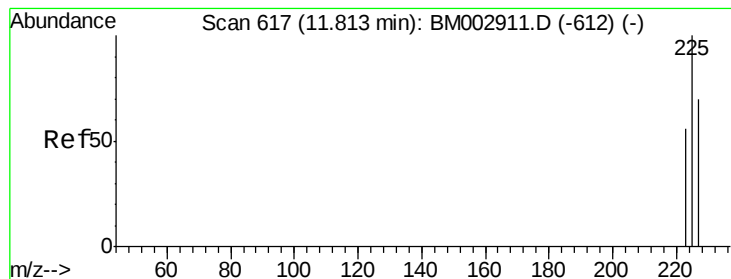


Abundance Ion 128.00 (127.70 to 128.70): BM002932.D (-594) (-)

Ion 129.00 (128.70 to 129.70): BM002932.D (-594) (-)

Ion 127.00 (126.70 to 127.70): BM002932.D (-594) (-)





#11

Hexachlorobutadiene

Concen: 3.05 ng

RT: 11.80 min Scan# 617

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

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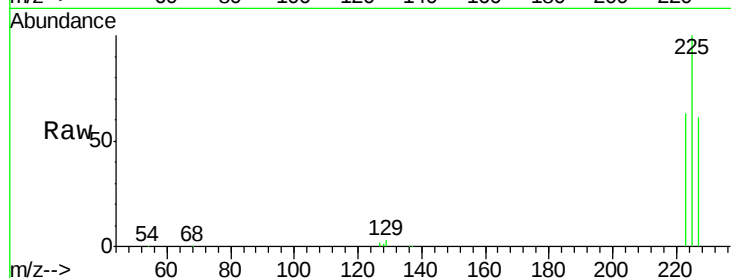
Tot Ion:225 Resp: 45117

Ion Ratio Lower Upper

225 100

223 62.7 50.1 75.1

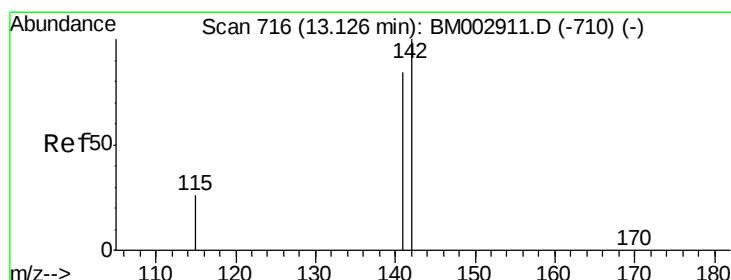
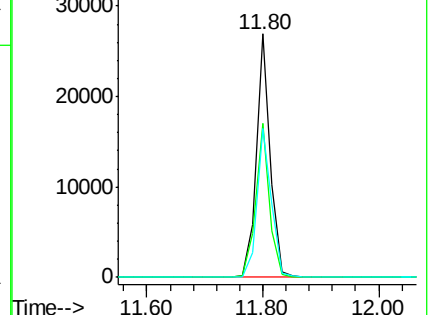
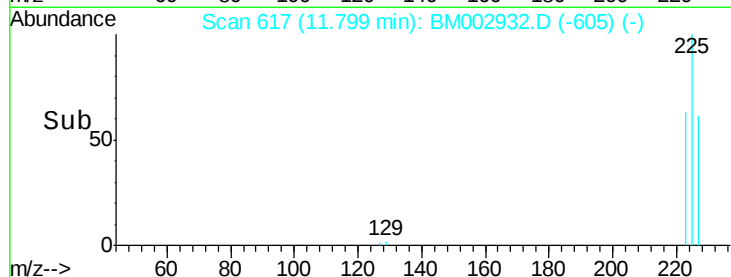
227 63.7 51.2 76.8



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

2-Methylnaphthalene

Concen: 3.30 ng

RT: 13.11 min Scan# 716

Delta R.T. -0.01 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

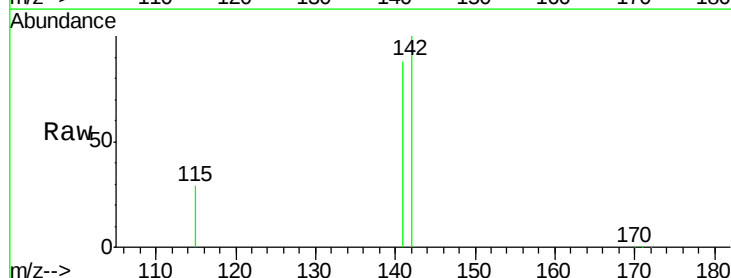
Tgt Ion:142 Resp: 204124

Ion Ratio Lower Upper

142 100

141 88.3 69.4 104.0

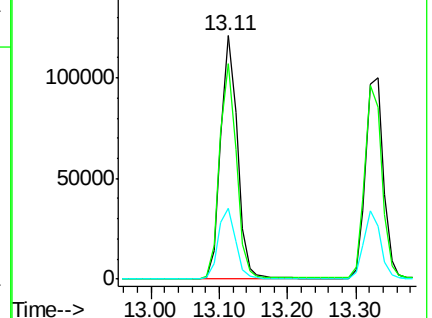
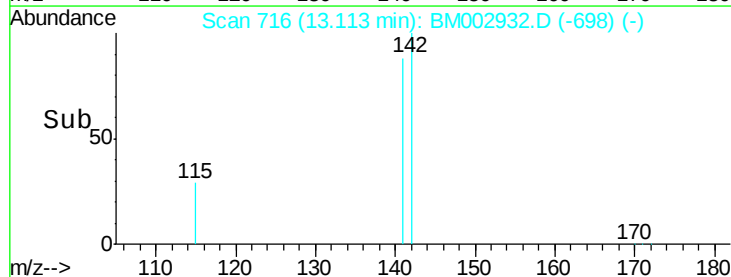
115 29.1 22.7 34.1

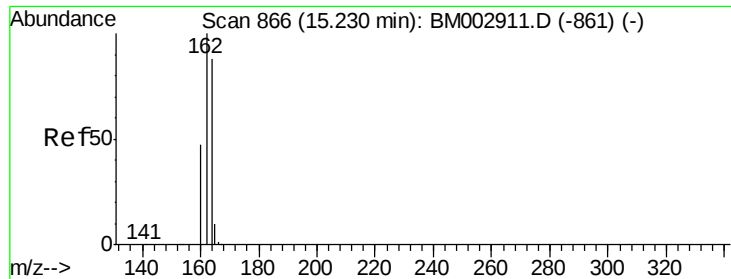


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

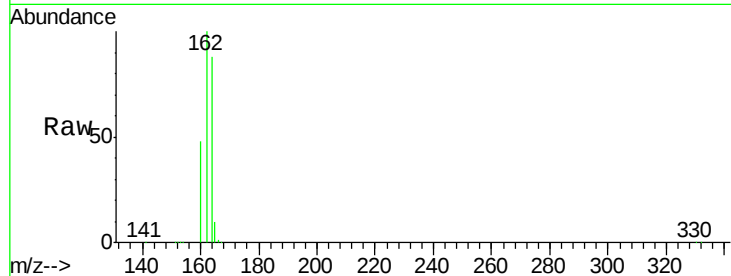
Tot Ion:164 Resp: 227089

Ion Ratio Lower Upper

164 100

162 114.0 79.6 119.4

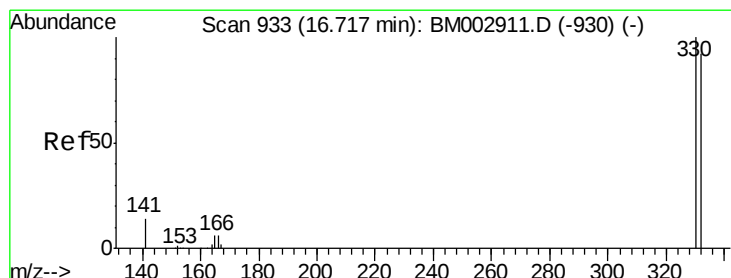
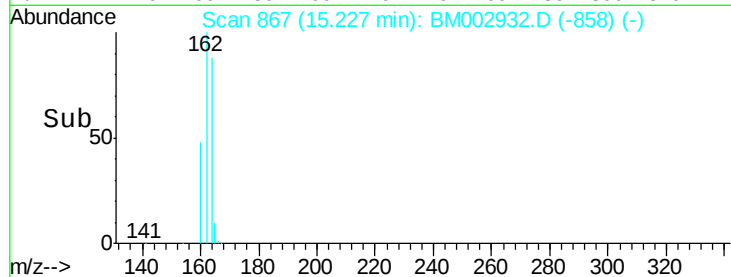
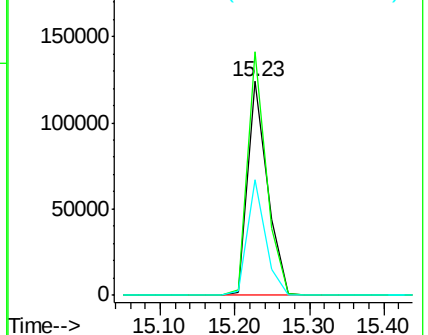
160 54.4 33.1 49.7#



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



#14

2,4,6-Tribromophenol

Concen: 6.03 ng

RT: 16.71 min Scan# 934

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

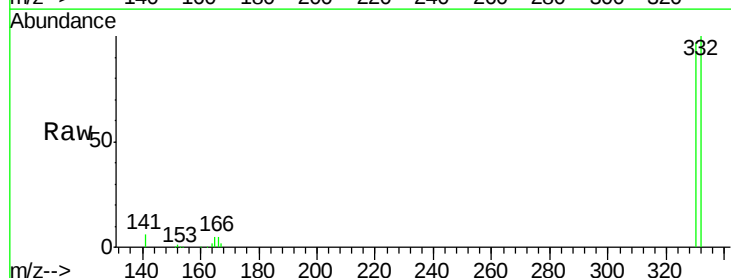
Tgt Ion:330 Resp: 53272

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

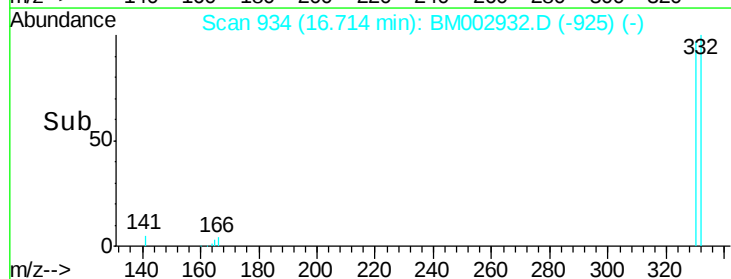
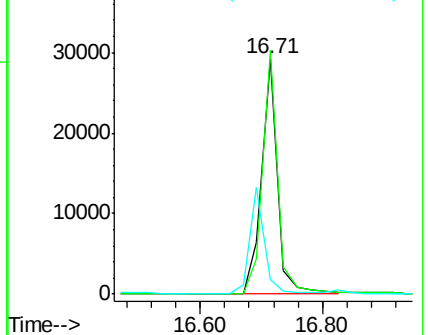
141 0.0 0.0 0.0

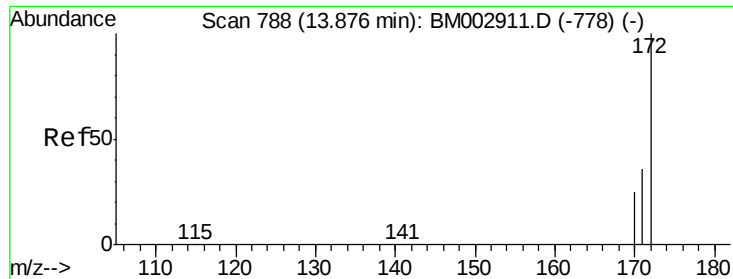


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

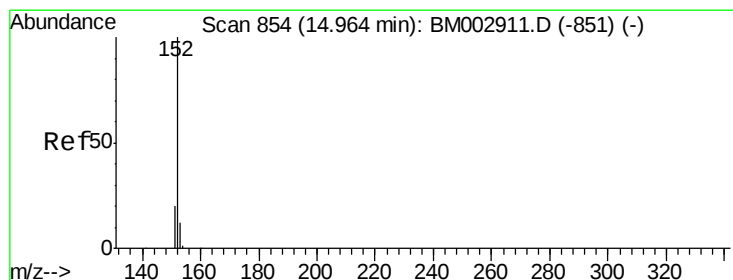
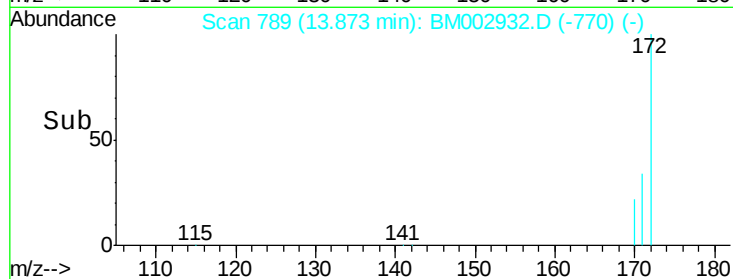
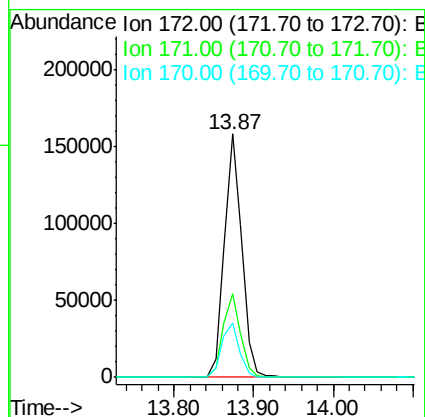
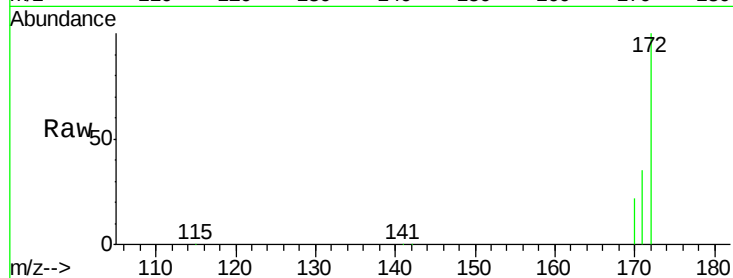




#15
2-Fluorobiphenyl
Concen: 3.28 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

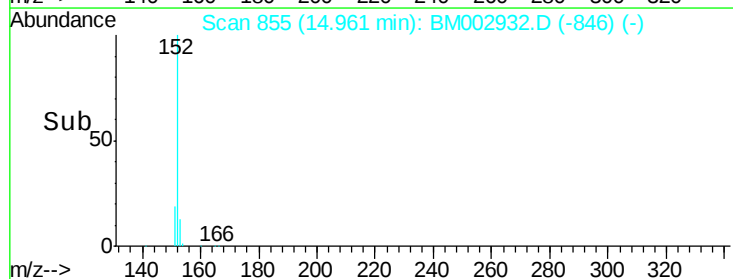
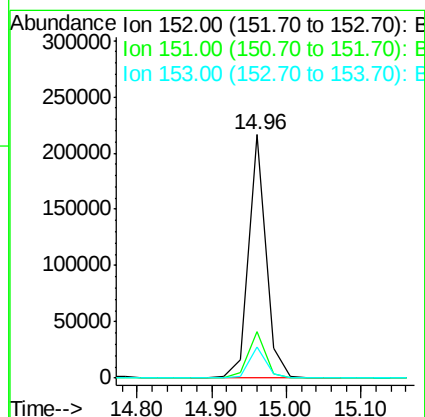
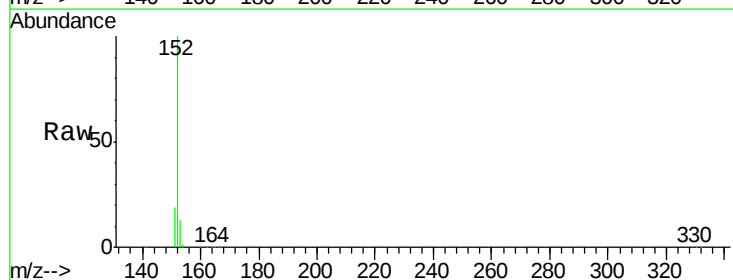
Instrument :
BNA_M
ClientSampleId :
PB86139BS

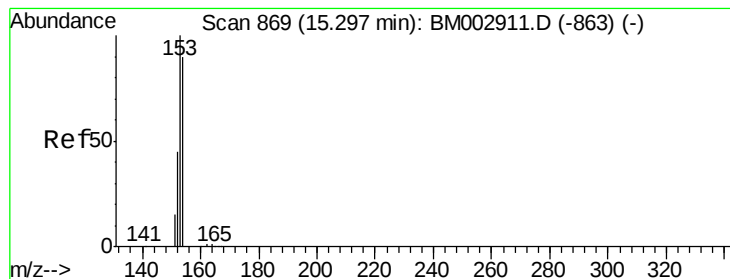
Tot Ion:172 Resp: 238438
Ion Ratio Lower Upper
172 100
171 34.5 26.1 39.1
170 22.1 15.7 23.5



#16
Acenaphthylene
Concen: 3.53 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:152 Resp: 350144
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 3.04 ng

RT: 15.29 min Scan# 870

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

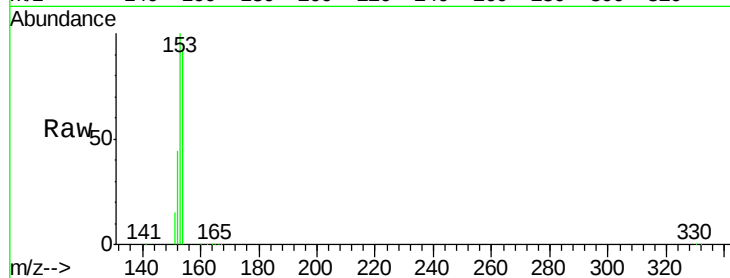
Tot Ion:154 Resp: 206670

Ion Ratio Lower Upper

154 100

153 110.7 0.0 0.0#

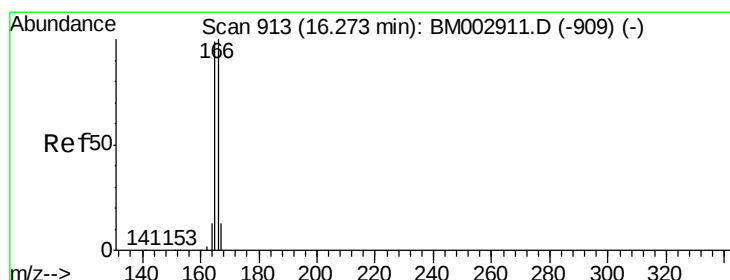
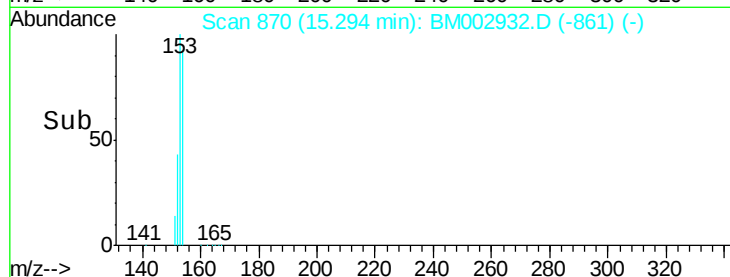
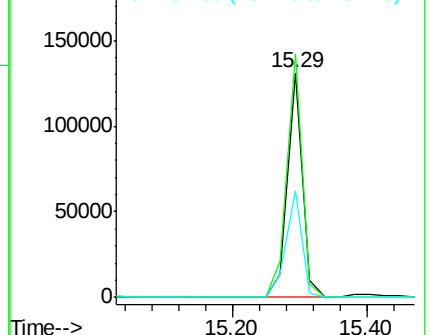
152 50.6 0.0 0.0#



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



#18

Fluorene

Concen: 3.36 ng

RT: 16.27 min Scan# 914

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

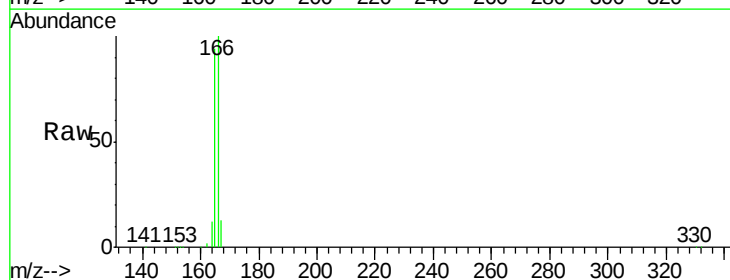
Tgt Ion:166 Resp: 272777

Ion Ratio Lower Upper

166 100

165 96.2 77.3 115.9

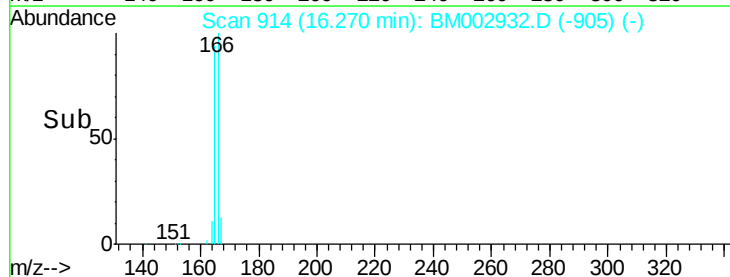
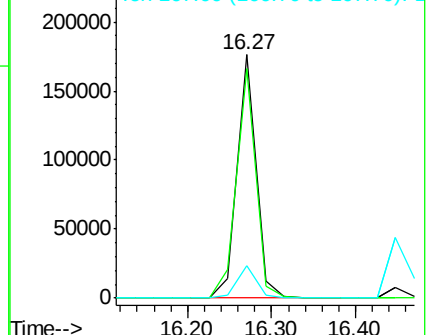
167 13.4 10.9 16.3

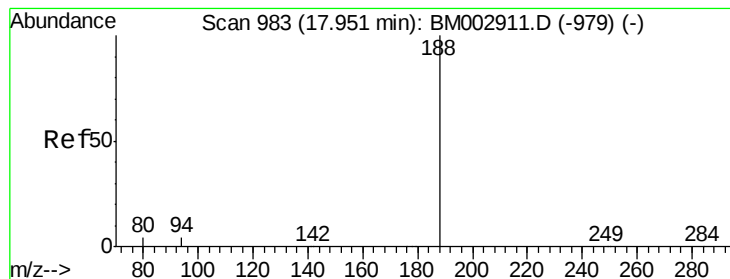


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 984

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

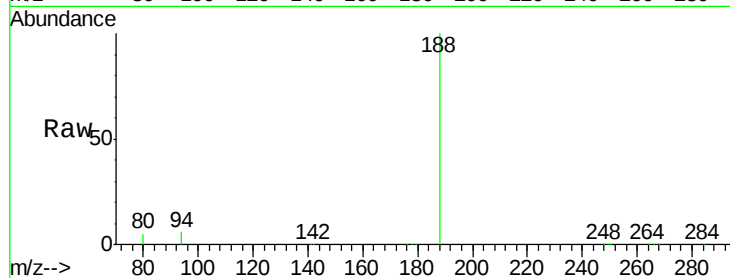
Tot Ion:188 Resp: 549728

Ion Ratio Lower Upper

188 100

94 5.8 15.2 22.8#

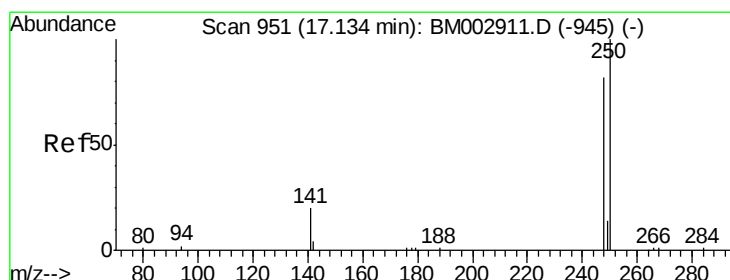
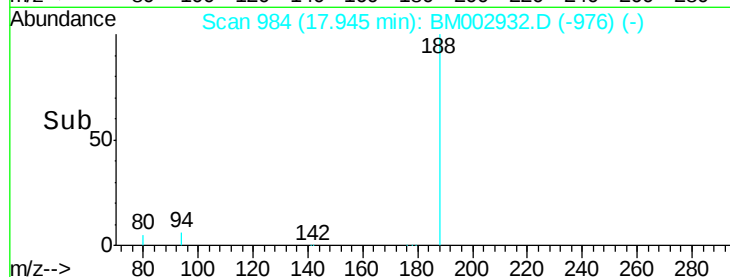
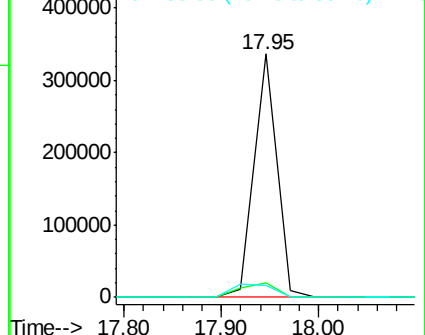
80 5.1 15.9 23.9#



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



#20

4-Bromophenyl-phenylether

Concen: 3.07 ng

RT: 17.13 min Scan# 952

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

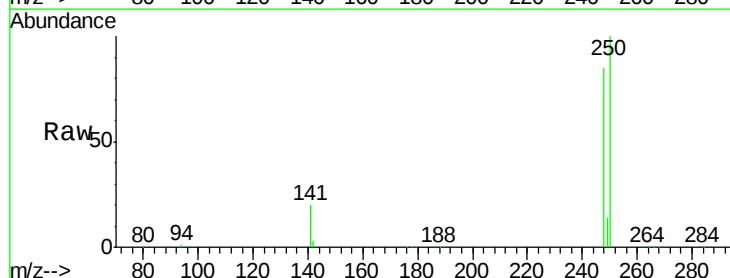
Tgt Ion:248 Resp: 69893

Ion Ratio Lower Upper

248 100

250 108.1 71.4 107.2#

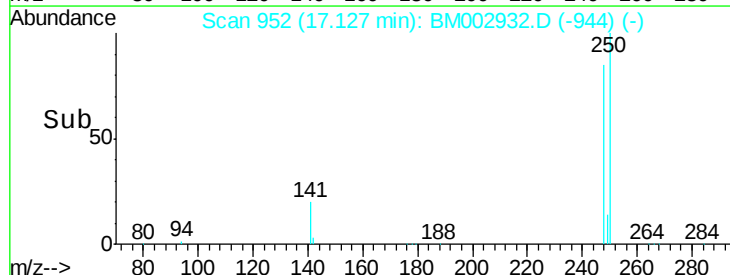
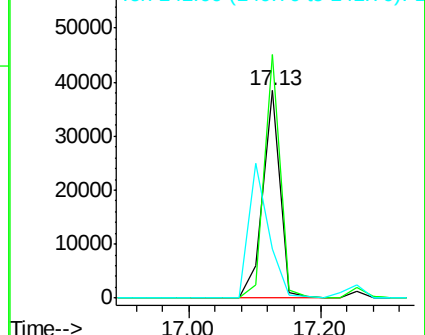
141 0.0 54.6 82.0#

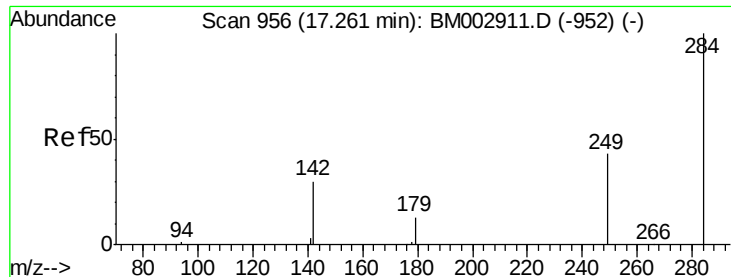


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

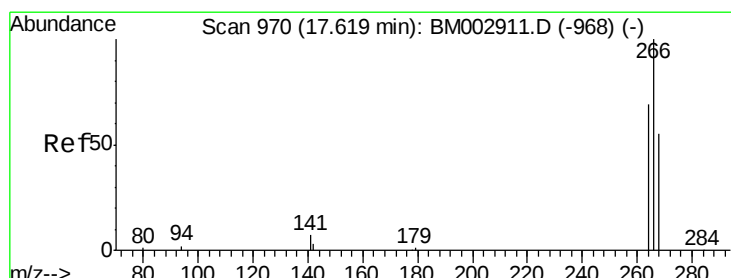
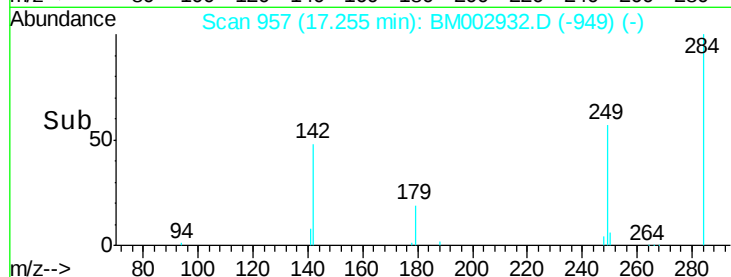
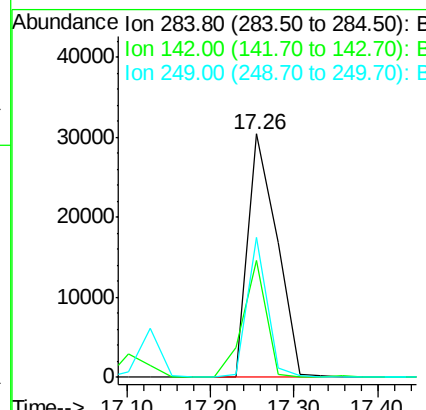
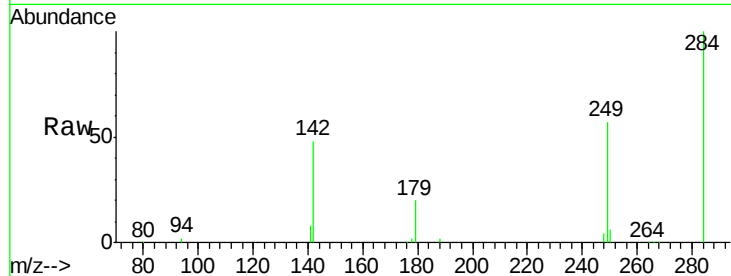




#21
Hexachlorobenzene
Concen: 3.47 ng
RT: 17.26 min Scan# 957
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

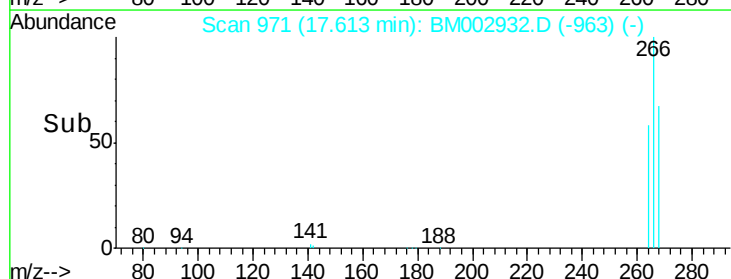
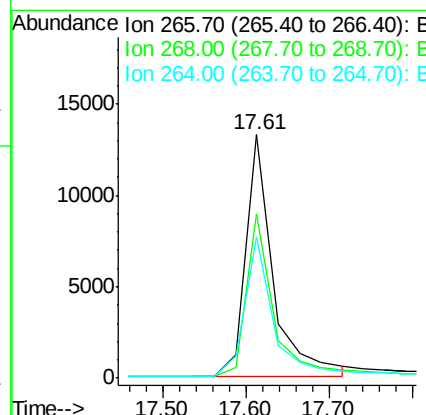
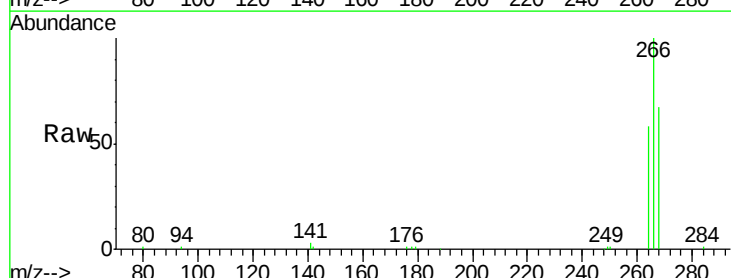
Instrument :
BNA_M
ClientSampleId :
PB86139BS

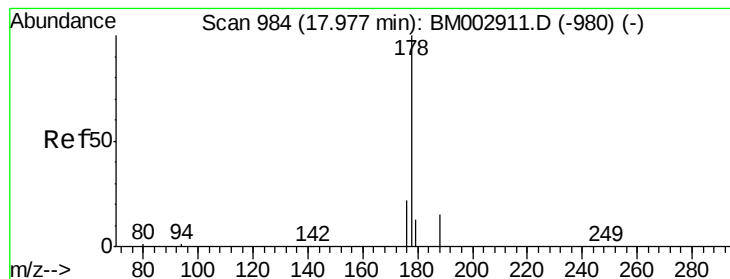
Tot Ion:284 Resp: 73180
Ion Ratio Lower Upper
284 100
142 38.3 0.0 0.0#
249 39.2 20.7 31.1#



#22
Pentachlorophenol
Concen: 11.88 ng
RT: 17.61 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:266 Resp: 30582
Ion Ratio Lower Upper
266 100
268 67.4 58.3 87.5
264 58.1 54.2 81.2





#23

Phenanthrene

Concen: 3.35 ng

RT: 18.07 min Scan# 989

Delta R.T. 0.08 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

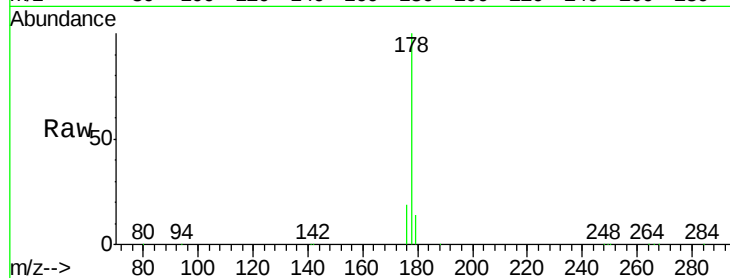
Tot Ion:178 Resp: 428703

Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

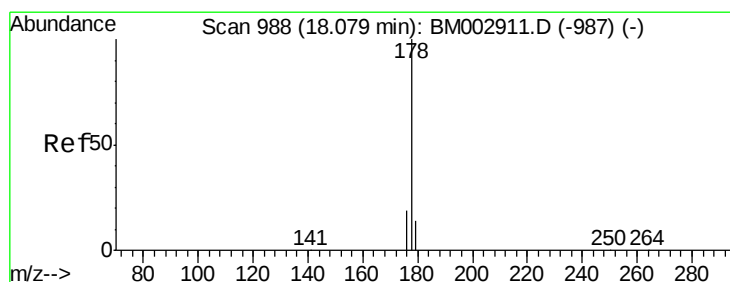
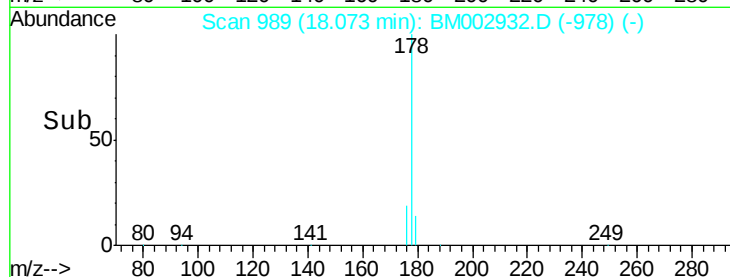
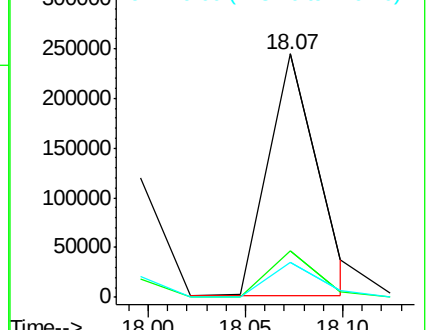
179 14.7 12.5 18.7



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



#24

Anthracene

Concen: 3.61 ng

RT: 18.07 min Scan# 989

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

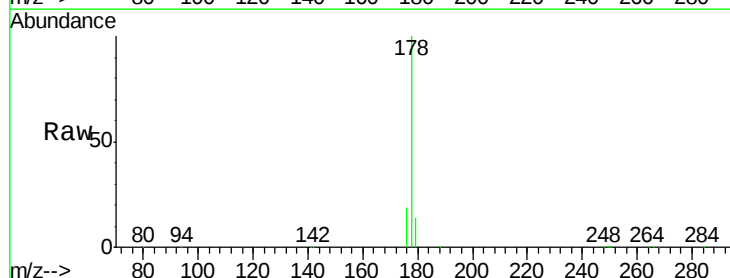
Tgt Ion:178 Resp: 440757

Ion Ratio Lower Upper

178 100

176 18.5 13.9 20.9

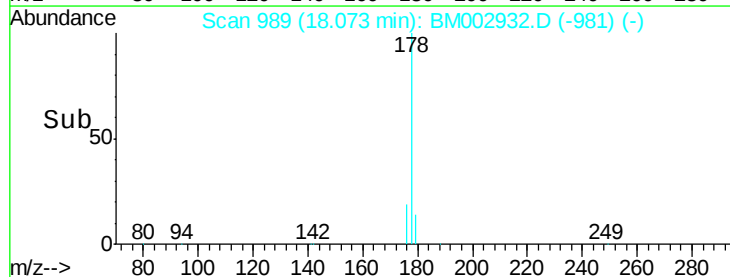
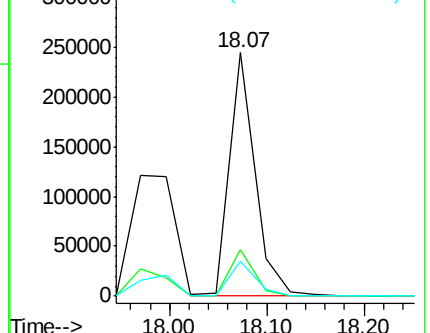
179 14.7 12.6 18.8

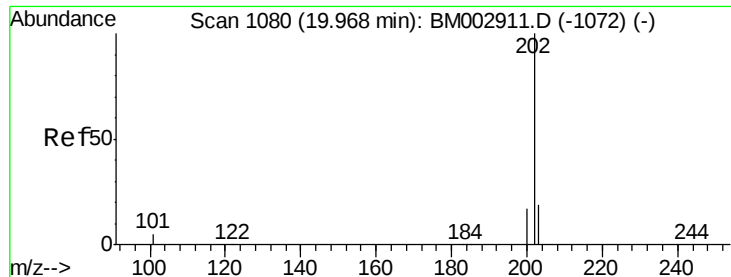


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 3.25 ng

RT: 19.96 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

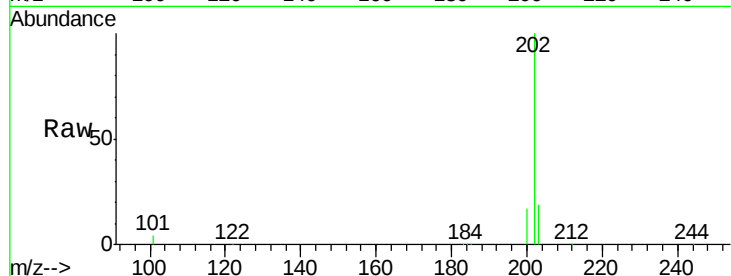
Tot Ion:202 Resp: 460921

Ion Ratio Lower Upper

202 100

101 14.2 11.0 16.6

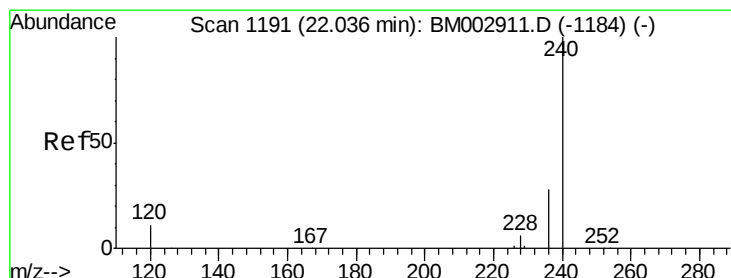
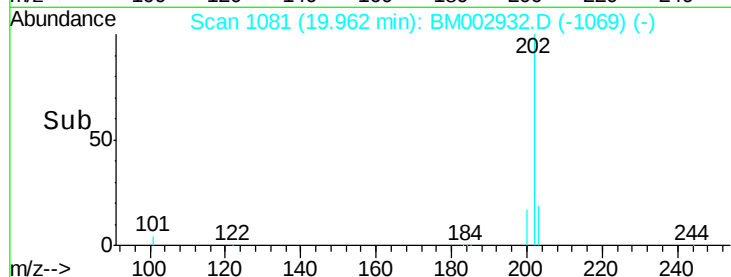
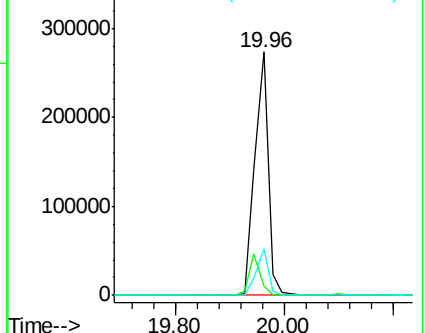
203 17.6 13.8 20.6



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 22.03 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

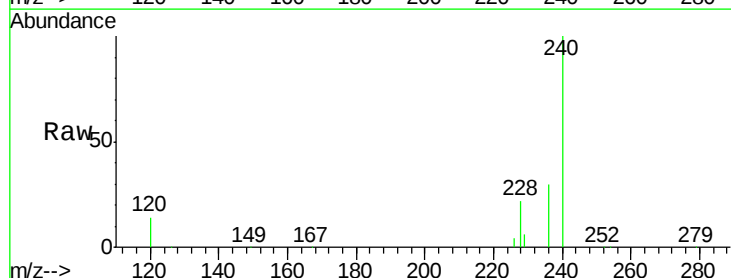
Tgt Ion:240 Resp: 438450

Ion Ratio Lower Upper

240 100

120 14.0 3.3 4.9#

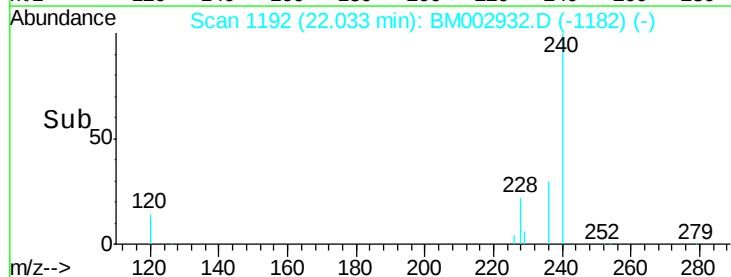
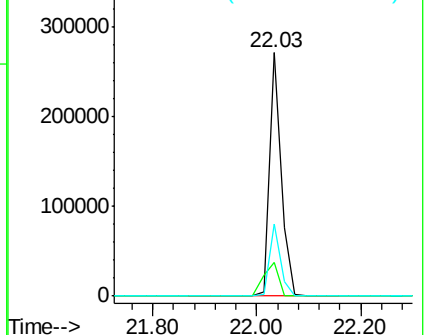
236 29.6 19.5 29.3#

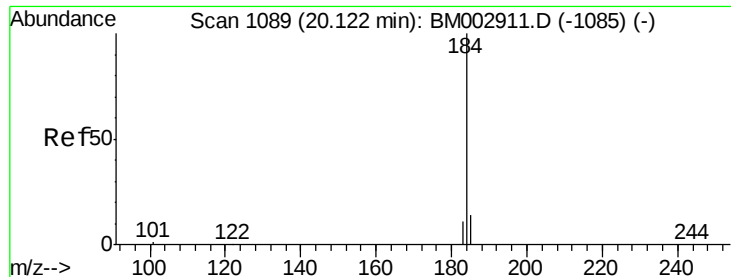


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 6.85 ng

RT: 20.12 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

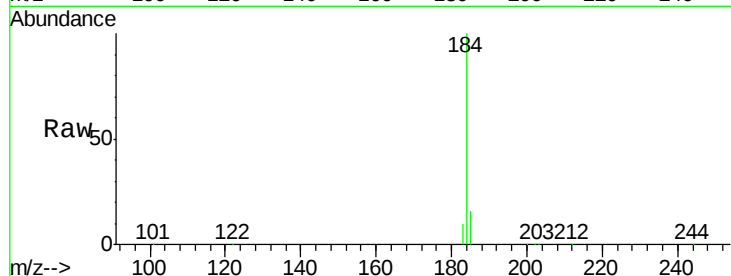
Tot Ion:184 Resp: 442858

Ion Ratio Lower Upper

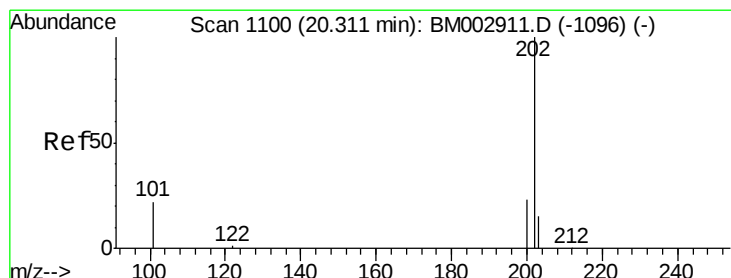
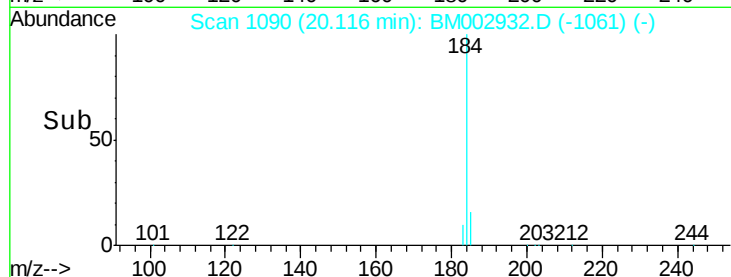
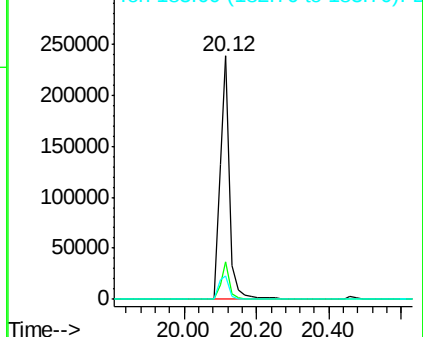
184 100

185 15.6 12.0 18.0

183 9.8 8.9 13.3



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



#28

Pyrene

Concen: 3.76 ng

RT: 20.32 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

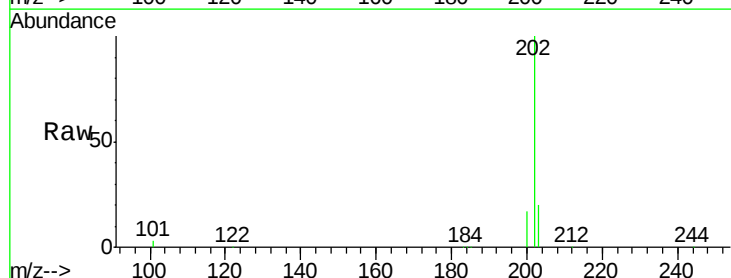
Tgt Ion:202 Resp: 486121

Ion Ratio Lower Upper

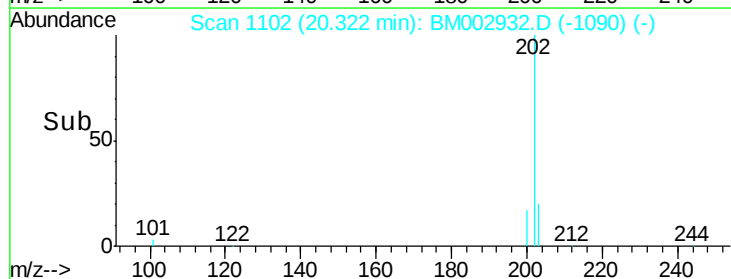
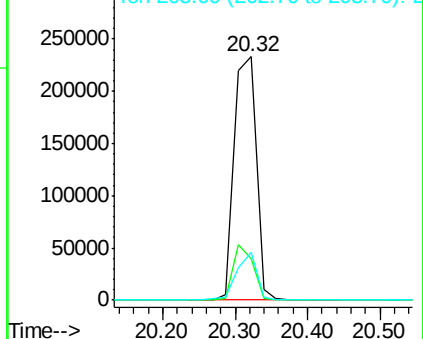
202 100

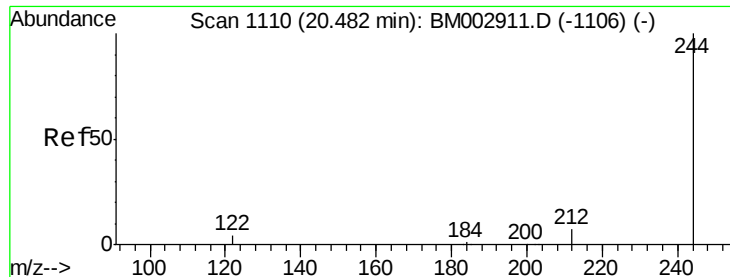
200 20.5 16.2 24.4

203 17.8 13.8 20.8



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





#29

Terphenyl-d14

Concen: 3.46 ng

RT: 20.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

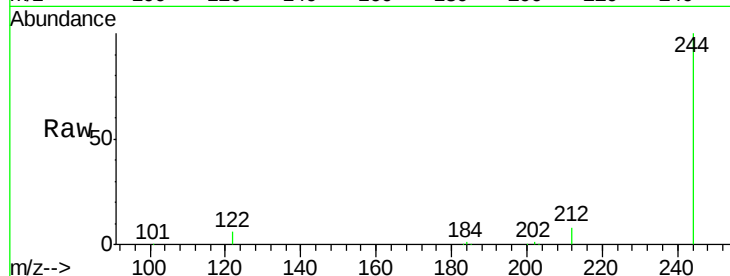
Tot Ion:244 Resp: 227271

Ion Ratio Lower Upper

244 100

212 8.3 5.6 8.4

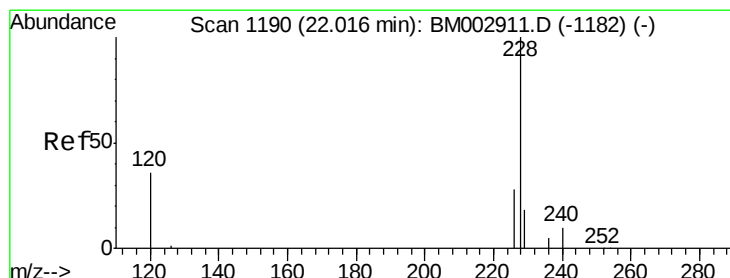
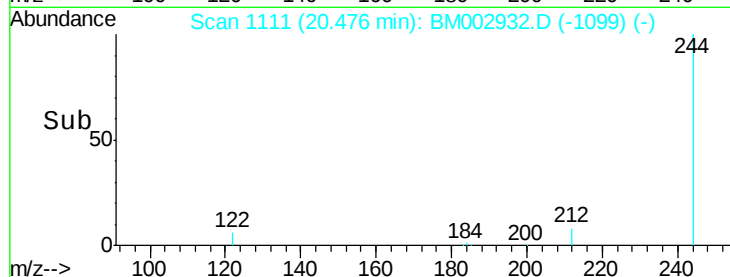
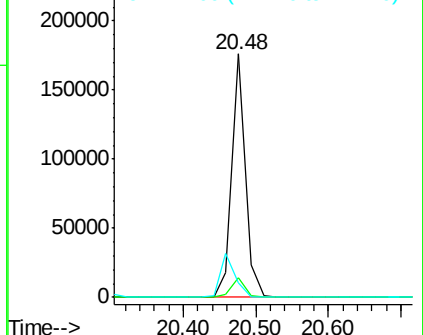
122 5.8 2.2 3.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 3.67 ng

RT: 22.01 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

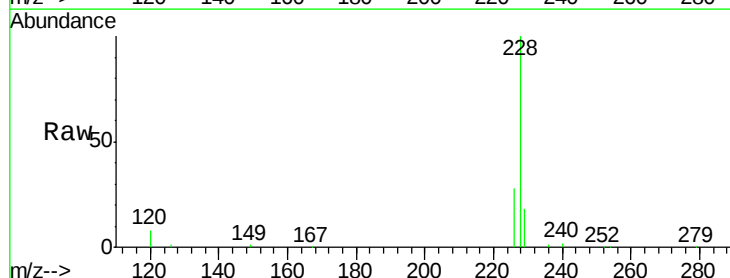
Tgt Ion:228 Resp: 464918

Ion Ratio Lower Upper

228 100

226 28.3 19.0 28.6

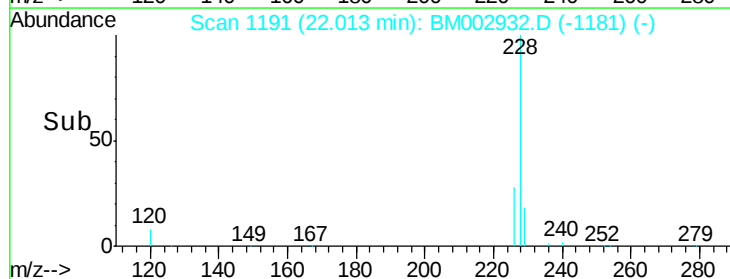
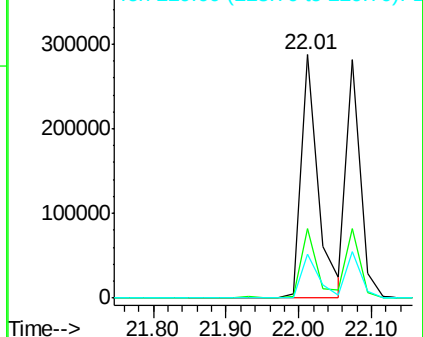
229 17.9 16.8 25.2

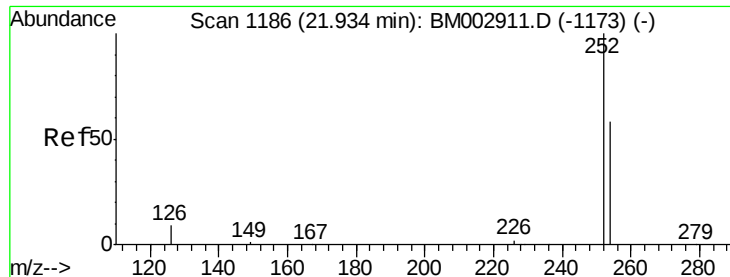


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

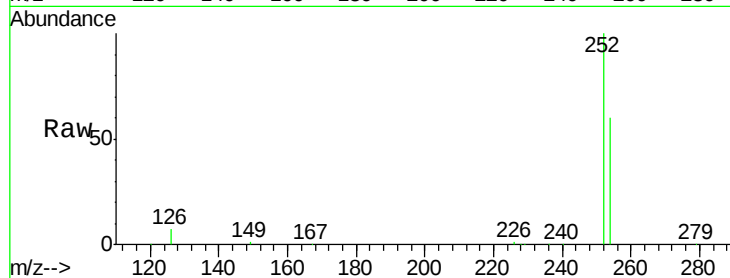




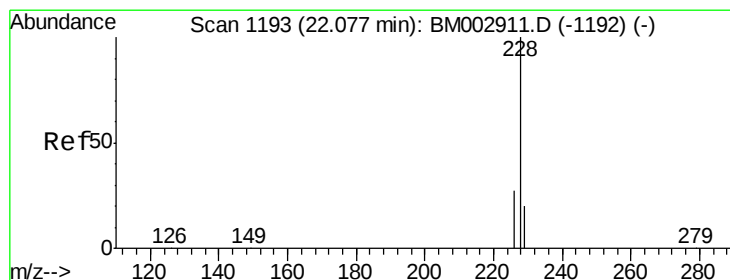
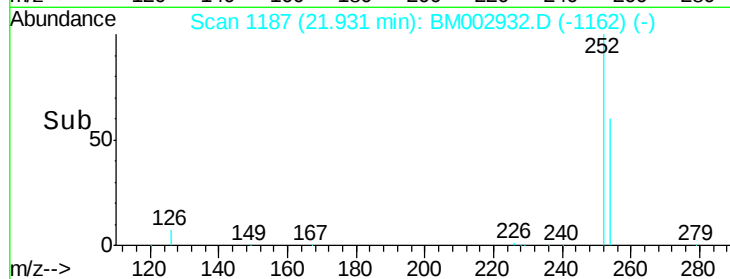
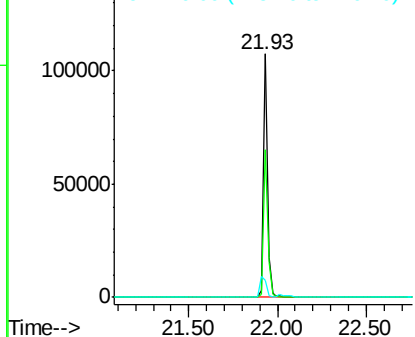
#31
 3,3'-Dichlorobenzidine
 Concen: 3.83 ng
 RT: 21.93 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BM002932.D
 Acq: 16 Oct 2015 13:41

Instrument :
 BNA_M
 ClientSampleId :
 PB86139BS

Tot Ion:252 Resp: 164142
 Ion Ratio Lower Upper
 252 100
 254 60.5 54.1 81.1
 126 6.9 4.1 6.1#

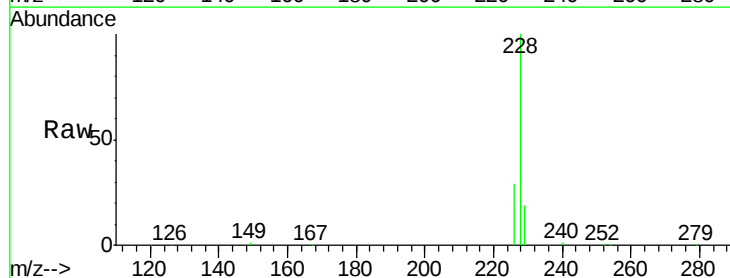


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

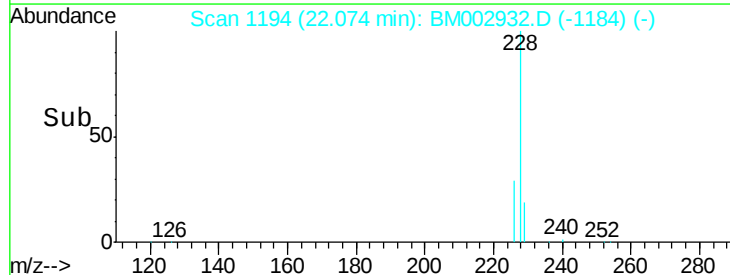
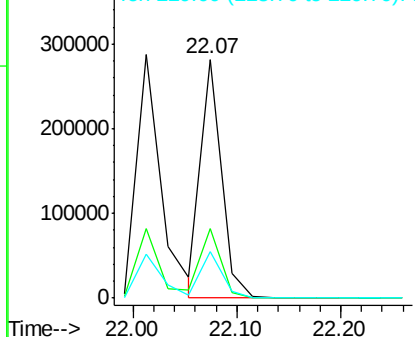


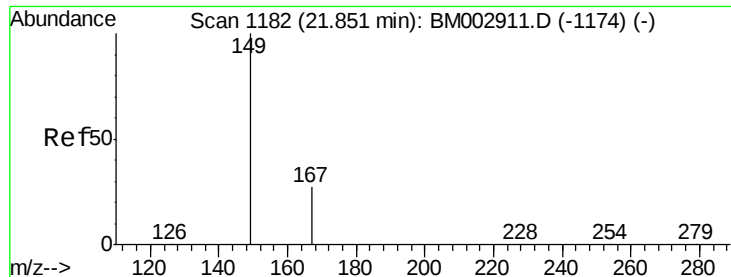
#32
 Chrysene
 Concen: 3.25 ng
 RT: 22.07 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BM002932.D
 Acq: 16 Oct 2015 13:41

Tgt Ion:228 Resp: 385534
 Ion Ratio Lower Upper
 228 100
 226 28.9 20.6 30.8
 229 19.2 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

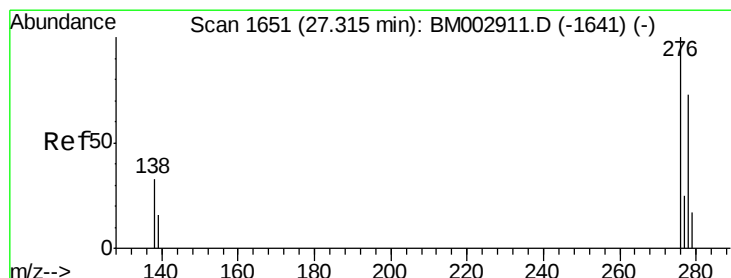
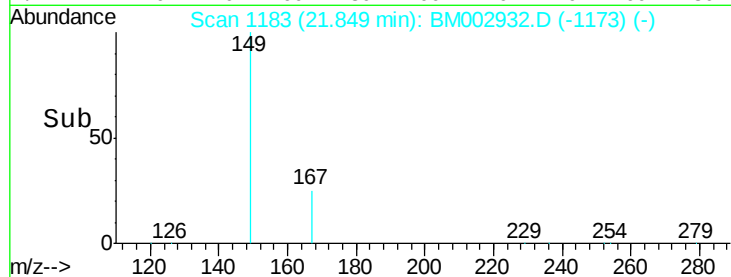
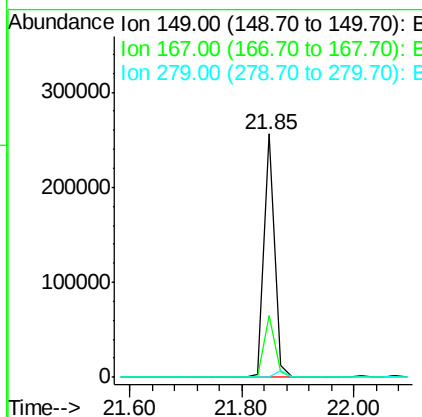
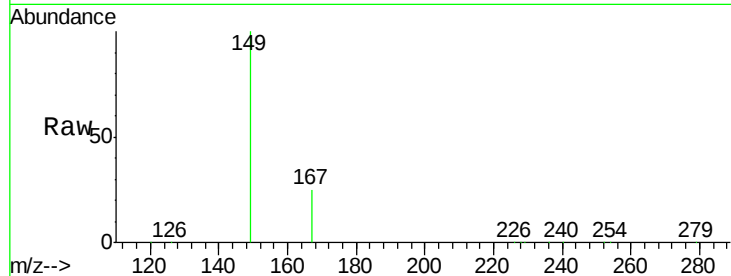




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 3.52 ng
 RT: 21.85 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BM002932.D
 Acq: 16 Oct 2015 13:41

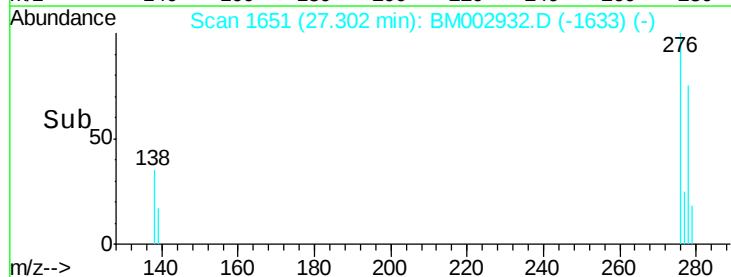
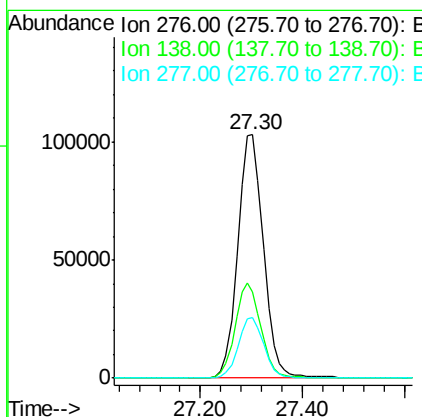
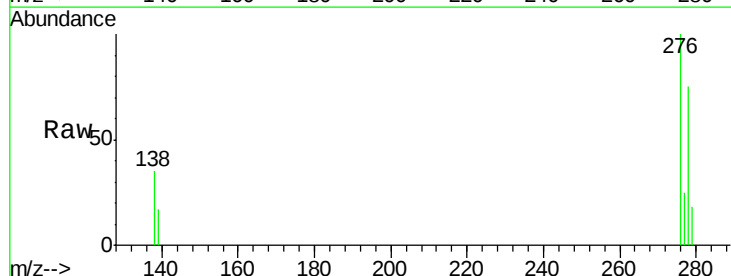
Instrument :
 BNA_M
 ClientSampleId :
 PB86139BS

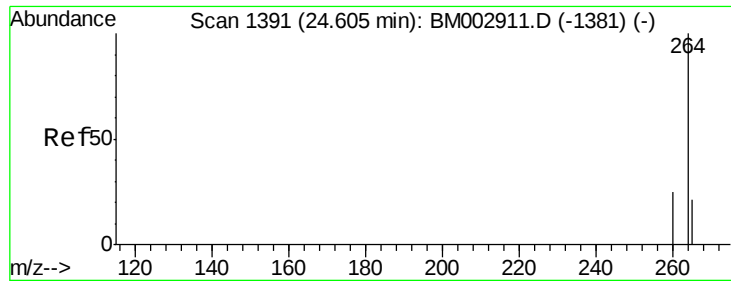
Tot Ion:149 Resp: 335174
 Ion Ratio Lower Upper
 149 100
 167 26.1 17.2 25.8#
 279 0.0 2.2 3.4#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 2.95 ng
 RT: 27.30 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: BM002932.D
 Acq: 16 Oct 2015 13:41

Tgt Ion:276 Resp: 359178
 Ion Ratio Lower Upper
 276 100
 138 38.8 29.0 43.6
 277 24.8 19.8 29.8

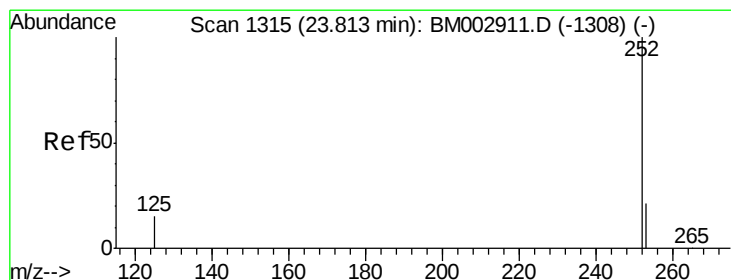
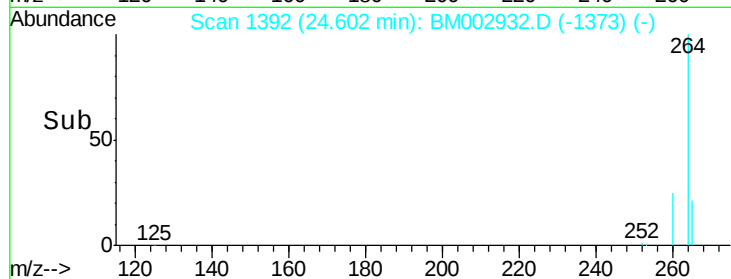
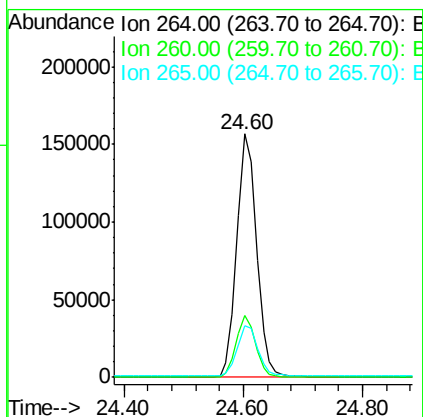
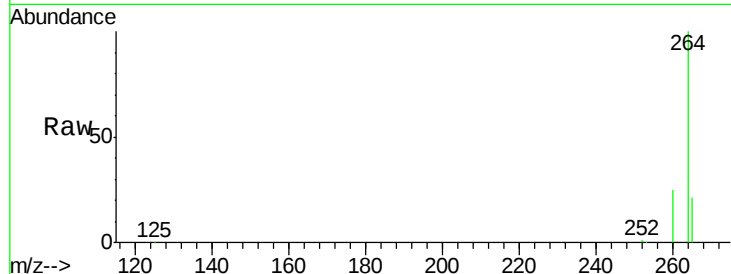




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.60 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: BM002932.D
 Acq: 16 Oct 2015 13:41

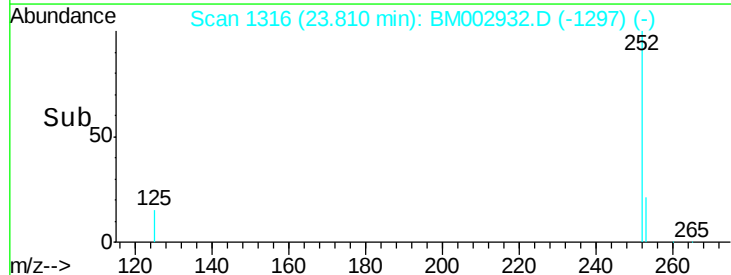
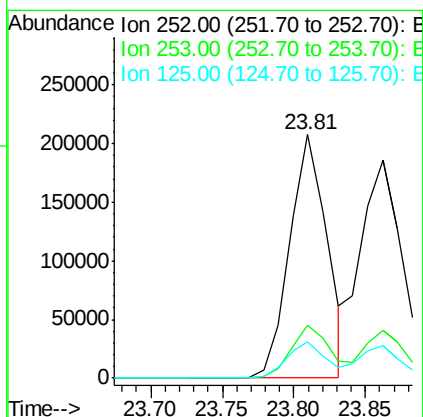
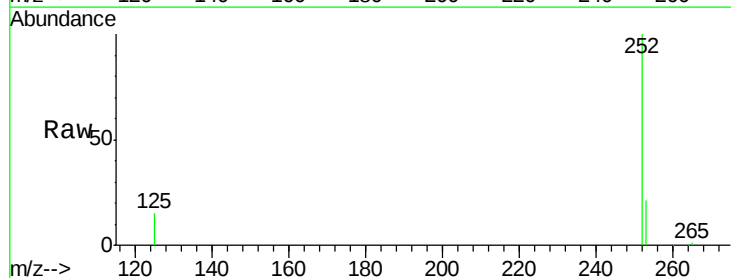
Instrument :
 BNA_M
 ClientSampleId :
 PB86139BS

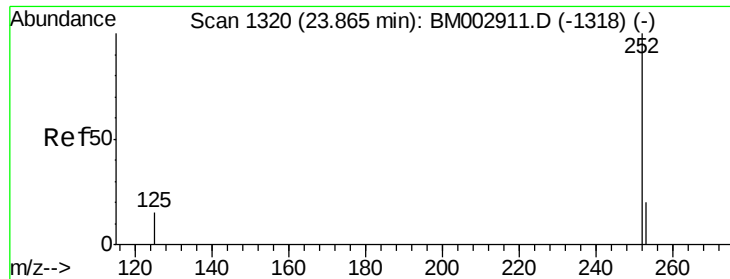
Tot Ion:264 Resp: 360273
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.1 30.1
 265 21.4 17.6 26.4



#36
 Benzo(b)fluoranthene
 Concen: 3.64 ng
 RT: 23.81 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BM002932.D
 Acq: 16 Oct 2015 13:41

Tgt Ion:252 Resp: 376436
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.5 26.3
 125 14.8 12.4 18.6





#37

Benzo(k)fluoranthene

Concen: 3.76 ng

RT: 23.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

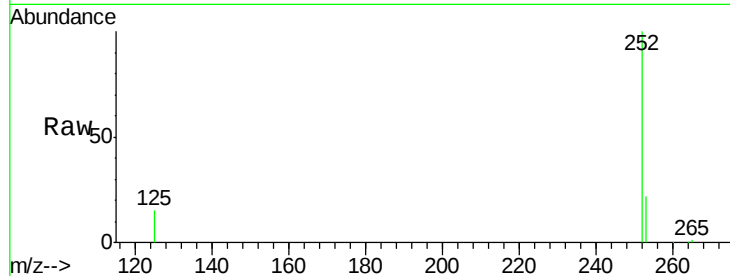
Tot Ion:252 Resp: 380483

Ion Ratio Lower Upper

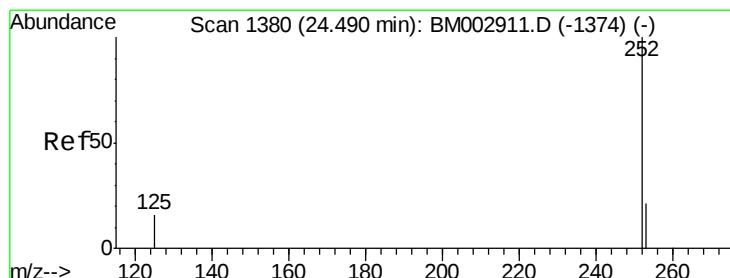
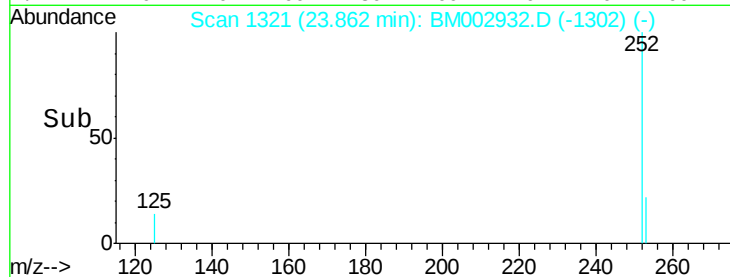
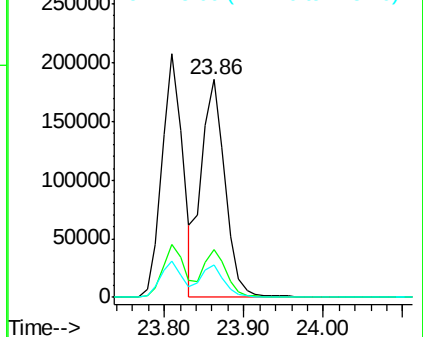
252 100

253 21.8 17.9 26.9

125 14.7 12.3 18.5



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



#38

Benzo(a)pyrene

Concen: 3.82 ng

RT: 24.49 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

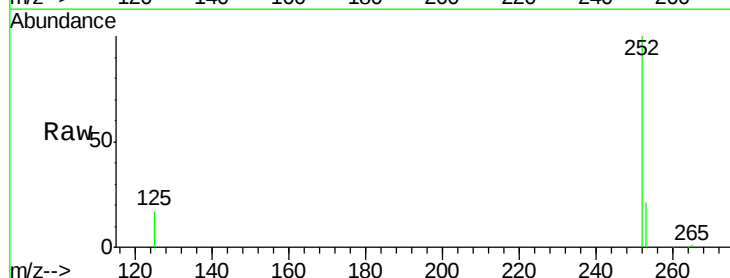
Tgt Ion:252 Resp: 349017

Ion Ratio Lower Upper

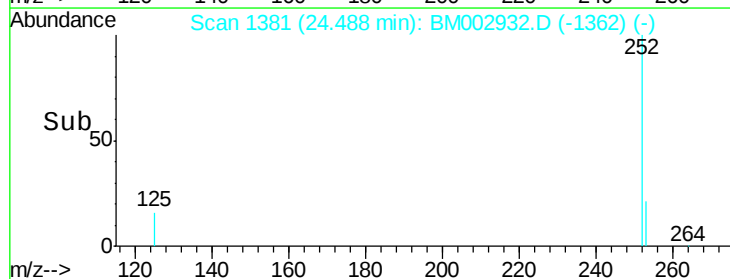
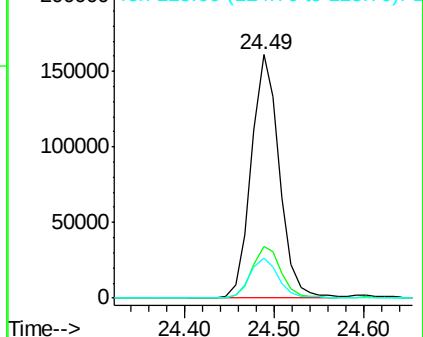
252 100

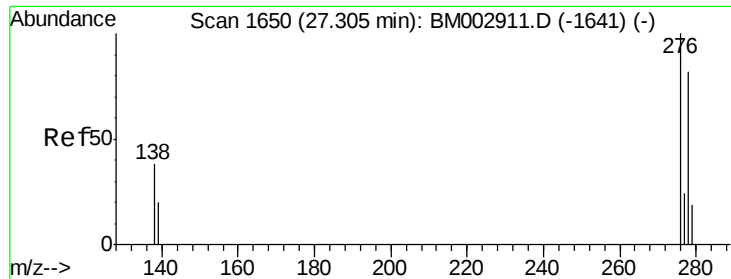
253 21.3 18.4 27.6

125 16.6 13.3 19.9



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





#39

Dibenzo(a,h)anthracene

Concen: 3.33 ng

RT: 27.29 min Scan# 1650

Delta R.T. -0.01 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

Instrument :

BNA_M

ClientSampleId :

PB86139BS

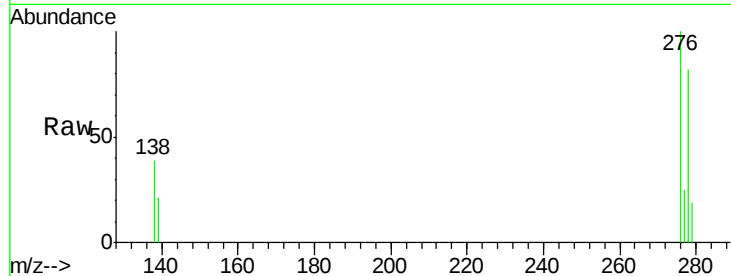
Tot Ion:278 Resp: 291523

Ion Ratio Lower Upper

278 100

139 25.0 19.8 29.6

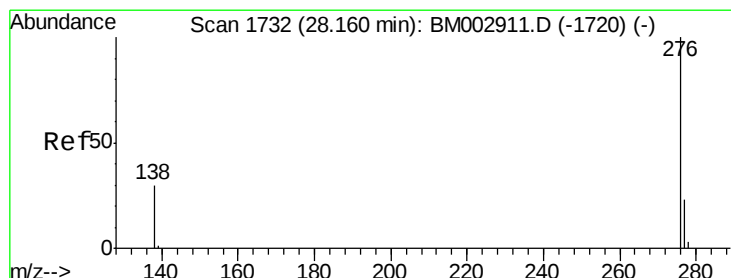
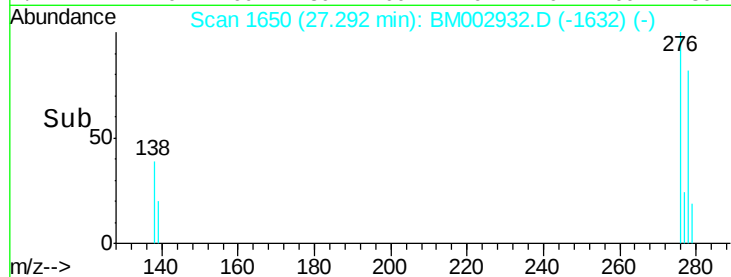
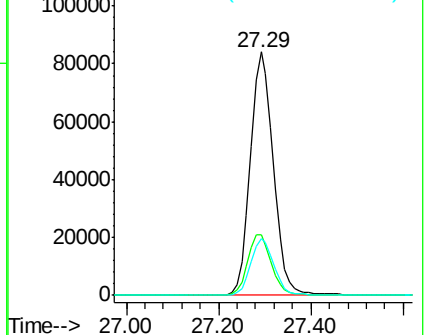
279 23.2 19.1 28.7



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



#40

Benzo(g,h,i)perylene

Concen: 3.22 ng

RT: 28.15 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BM002932.D

Acq: 16 Oct 2015 13:41

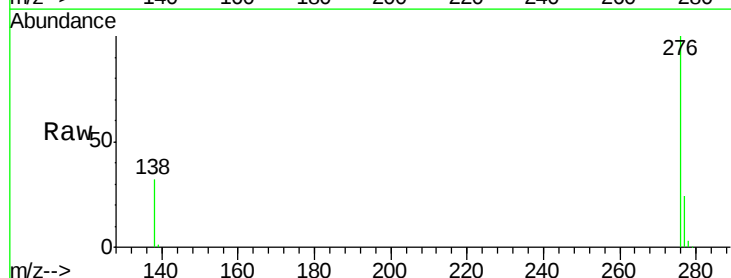
Tgt Ion:276 Resp: 294722

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 32.2 24.4 36.6



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

