

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\  
 Data File : BM002937.D  
 Acq On : 16 Oct 2015 16:42  
 Operator : UM/IZ  
 Sample : SSTDCCC001  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

Quant Time: Oct 16 23:02:19 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 | 8.66  | 152  | 101174   | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.49 | 136  | 422016   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.23 | 164  | 219000   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.95 | 188  | 539338   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 22.03 | 240  | 395755   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 24.60 | 264  | 327998   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 6.13  | 112 | 19787 | 1.05 | ng | -0.02 |
| 5) Phenol-d6                | 7.79  | 99  | 26196 | 1.08 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.86  | 82  | 21295 | 1.05 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.71 | 330 | 7692  | 1.03 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.87 | 172 | 70038 | 1.00 | ng | 0.00  |
| 29) Terphenyl-d14           | 20.48 | 244 | 65698 | 1.11 | ng | 0.00  |

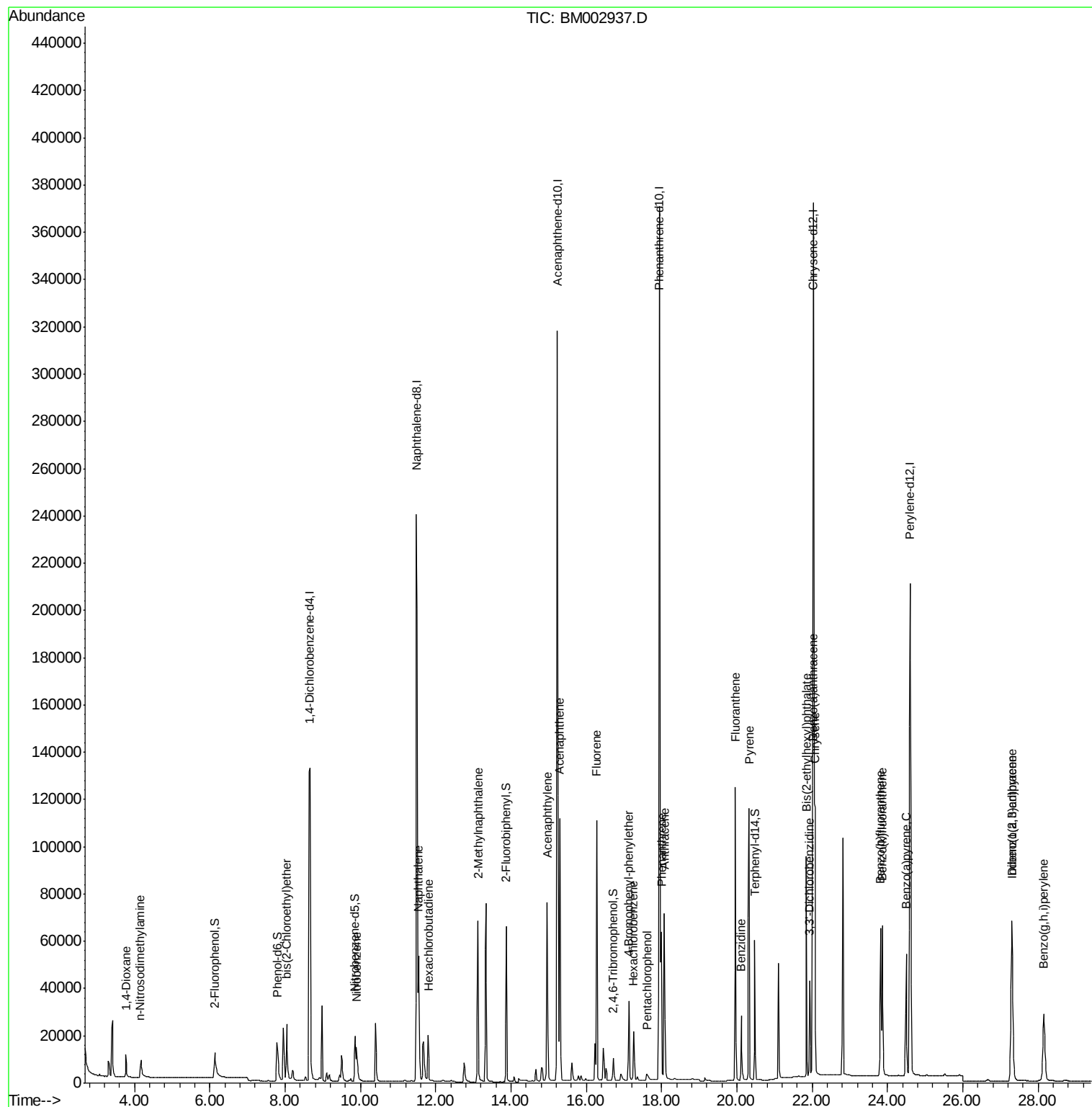
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.77  | 88  | 8686   | 0.94   | ng | 99    |
| 3) n-Nitrosodimethylamine      | 4.16  | 42  | 7701   | 1.07   | ng | # 98  |
| 6) bis(2-Chloroethyl)ether     | 8.04  | 93  | 23748  | 1.03   | ng | 99    |
| 9) Nitrobenzene                | 9.90  | 77  | 22656  | 1.06   | ng | 100   |
| 10) Naphthalene                | 11.54 | 128 | 90258  | 0.96   | ng | 96    |
| 11) Hexachlorobutadiene        | 11.80 | 225 | 14740  | 0.98   | ng | 100   |
| 12) 2-Methylnaphthalene        | 13.12 | 142 | 62074  | 0.98   | ng | 96    |
| 16) Acenaphthylene             | 14.96 | 152 | 101114 | 1.06   | ng | 99    |
| 17) Acenaphthene               | 15.29 | 154 | 64180  | 0.98   | ng | # 100 |
| 18) Fluorene                   | 16.27 | 166 | 78627  | 1.00   | ng | 98    |
| 20) 4-Bromophenyl-phenylether  | 17.13 | 248 | 22840  | 1.02   | ng | # 53  |
| 21) Hexachlorobenzene          | 17.25 | 284 | 22112  | 1.05   | ng | # 79  |
| 22) Pentachlorophenol          | 17.61 | 266 | 3579   | 1.63   | ng | 91    |
| 23) Phenanthrene               | 18.00 | 178 | 111084 | 0.88   | ng | 99    |
| 24) Anthracene                 | 18.07 | 178 | 111648 | 0.93   | ng | 97    |
| 25) Fluoranthene               | 19.96 | 202 | 130493 | 0.94   | ng | 100   |
| 27) Benzidine                  | 20.12 | 184 | 39583  | 0.82   | ng | 96    |
| 28) Pyrene                     | 20.32 | 202 | 132693 | 1.14   | ng | 100   |
| 30) Benzo(a)anthracene         | 22.01 | 228 | 119265 | 1.04   | ng | # 91  |
| 31) 3,3'-Dichlorobenzidine     | 21.93 | 252 | 41863  | 1.08   | ng | # 87  |
| 32) Chrysene                   | 22.07 | 228 | 107278 | 1.00   | ng | 93    |
| 33) Bis(2-ethylhexyl)phthalate | 21.85 | 149 | 97552  | 1.34   | ng | # 91  |
| 34) Indeno(1,2,3-cd)pyrene     | 27.31 | 276 | 87950  | 0.80   | ng | 98    |
| 36) Benzo(b)fluoranthene       | 23.82 | 252 | 98976  | 1.05   | ng | 98    |
| 37) Benzo(k)fluoranthene       | 23.86 | 252 | 93747  | 1.02   | ng | 98    |
| 38) Benzo(a)pyrene             | 24.50 | 252 | 85468  | 1.03   | ng | 99    |
| 39) Dibenzo(a,h)anthracene     | 27.30 | 278 | 70183  | 0.88   | ng | 98    |
| 40) Benzo(g,h,i)perylene       | 28.16 | 276 | 70855  | 0.85   | ng | 97    |

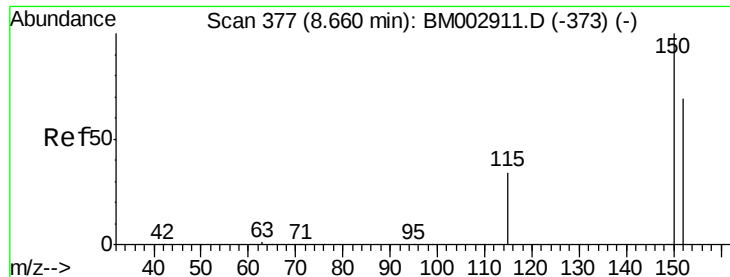
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

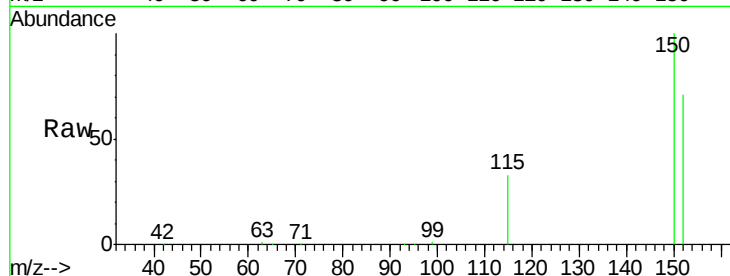
Tot Ion:152 Resp: 101174

Ion Ratio Lower Upper

152 100

150 141.0 113.0 169.6

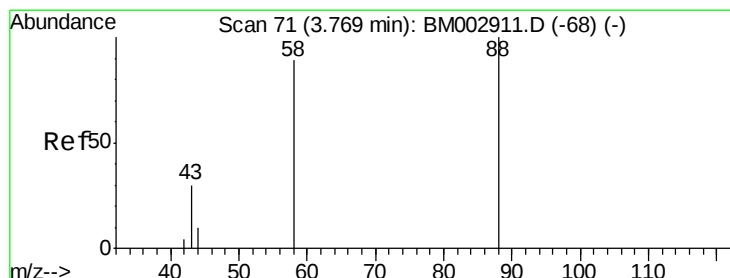
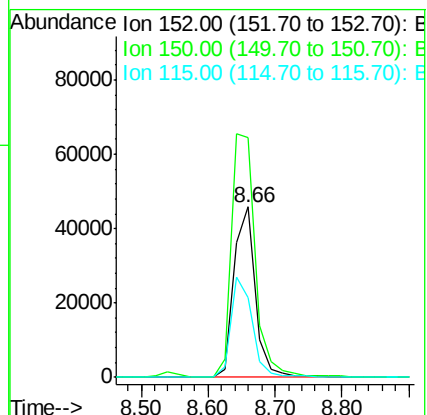
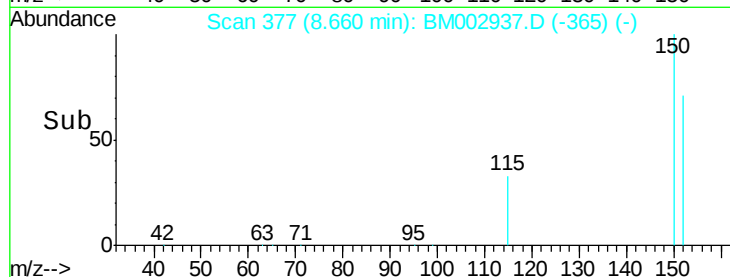
115 47.0 37.9 56.9



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: 0.94 ng

RT: 3.77 min Scan# 71

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

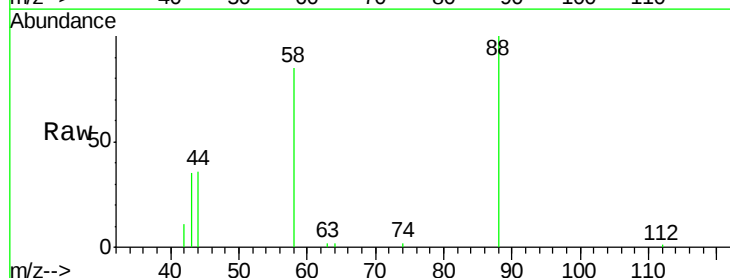
Tgt Ion: 88 Resp: 8686

Ion Ratio Lower Upper

88 100

58 71.3 56.7 85.1

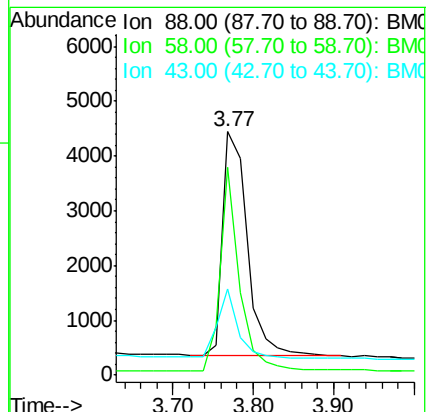
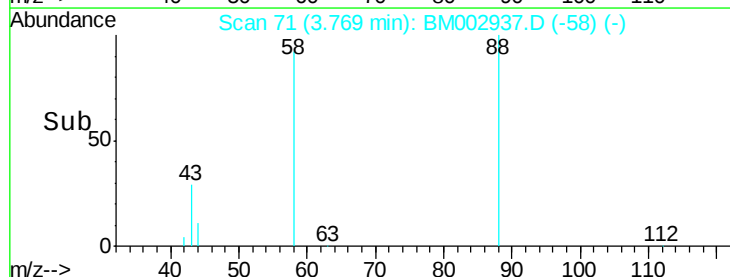
43 26.4 22.0 33.0

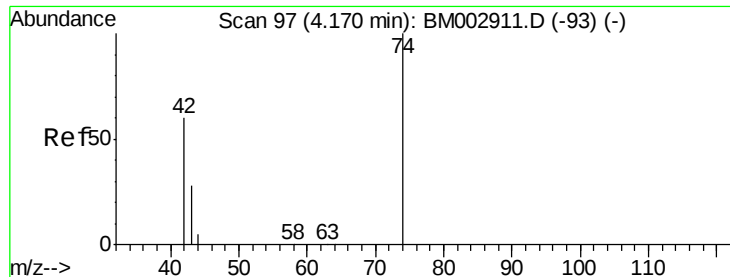


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 1.07 ng

RT: 4.16 min Scan# 96

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

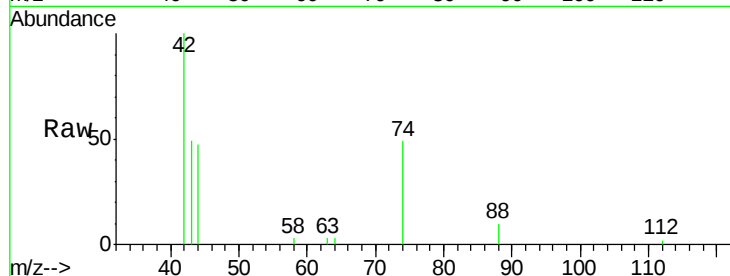
Tot Ion: 42 Resp: 7701

Ion Ratio Lower Upper

42 100

74 148.3 119.7 179.5

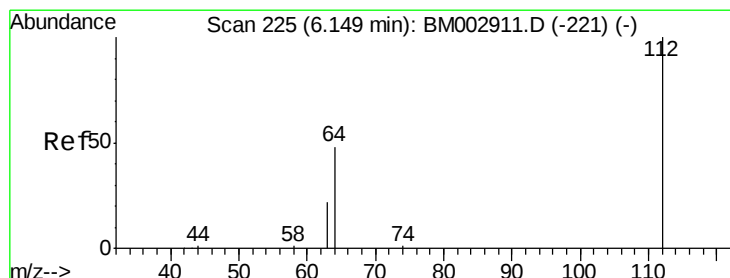
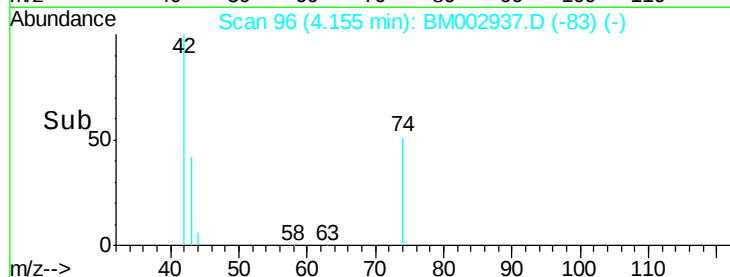
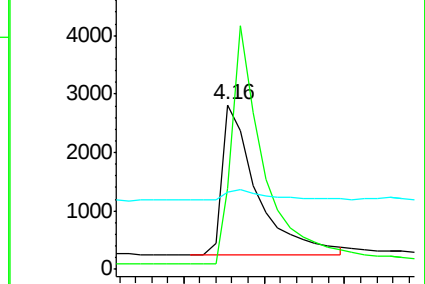
44 7.8 9.8 14.6#



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: 1.05 ng

RT: 6.13 min Scan# 224

Delta R.T. -0.02 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

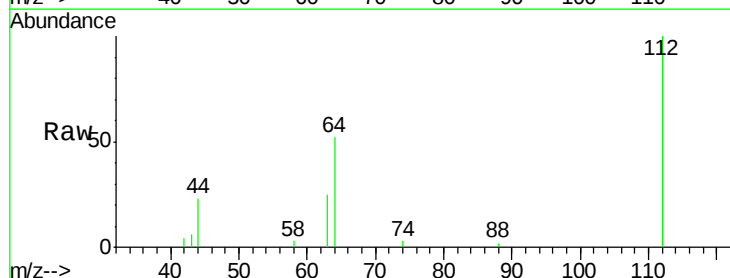
Tgt Ion: 112 Resp: 19787

Ion Ratio Lower Upper

112 100

64 52.1 42.0 63.0

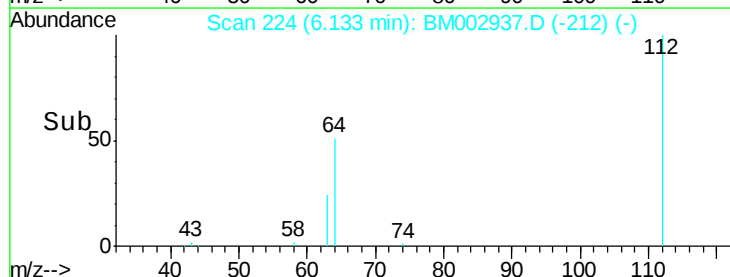
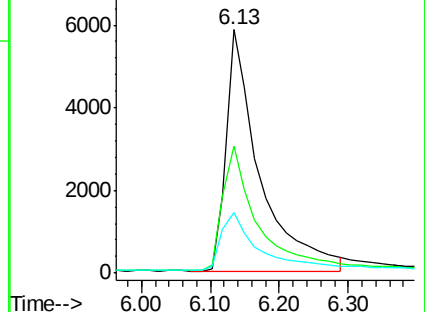
63 25.8 20.0 30.0

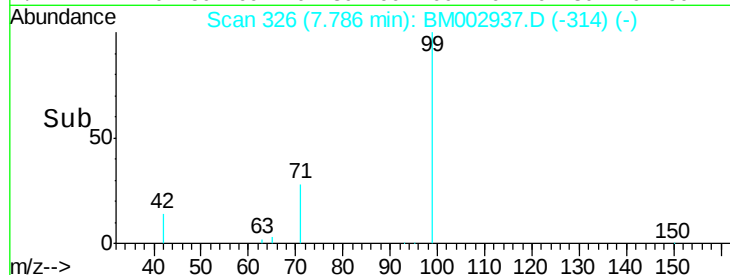
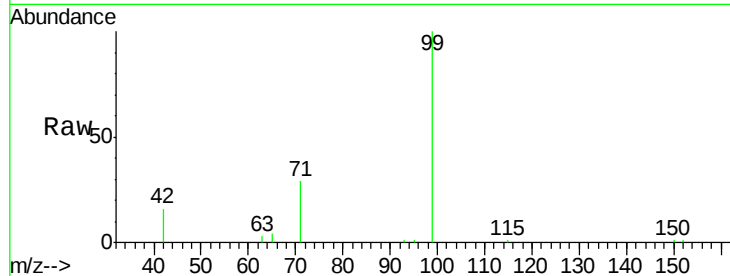
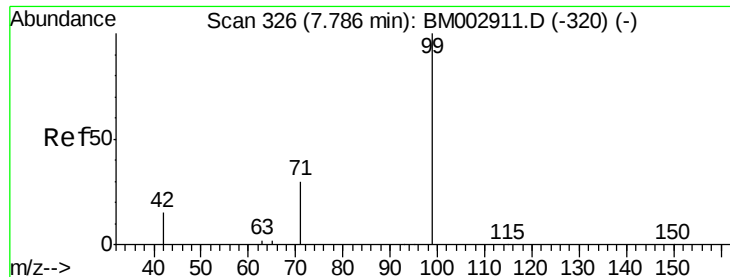


Abundance Ion 112.00 (111.70 to 112.70): BM002911.D (-221) (-)

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: 1.08 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

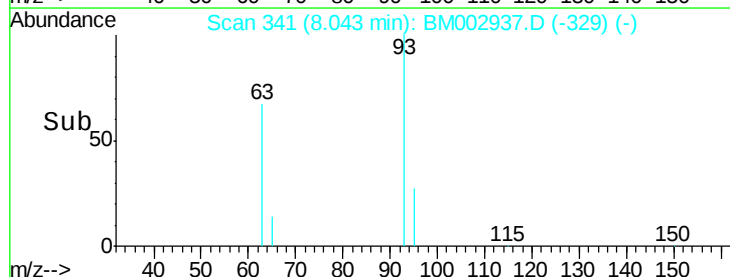
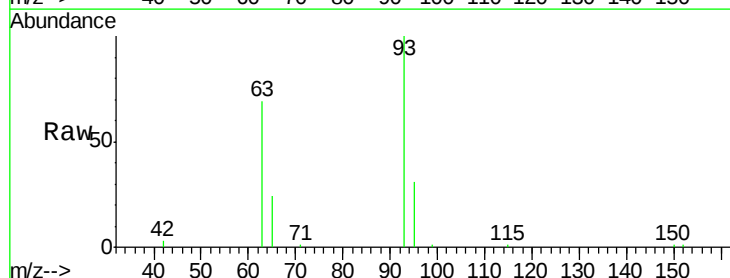
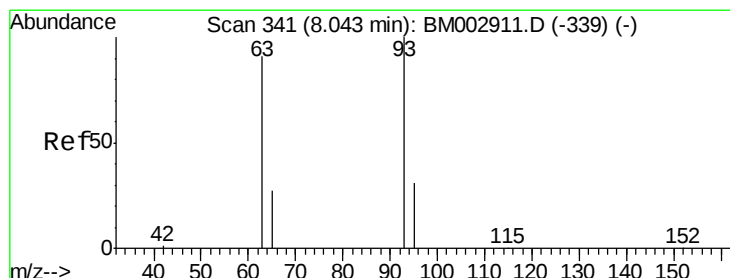
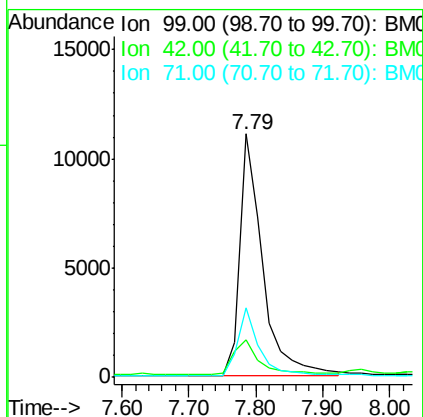
Tot Ion: 99 Resp: 26196

Ion Ratio Lower Upper

99 100

42 15.8 12.4 18.6

71 26.9 21.4 32.0



#6

bis(2-Chloroethyl)ether

Concen: 1.03 ng

RT: 8.04 min Scan# 341

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

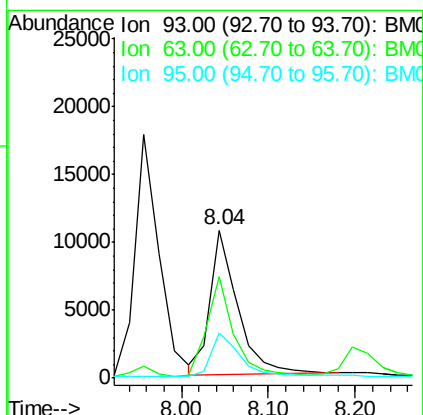
Tgt Ion: 93 Resp: 23748

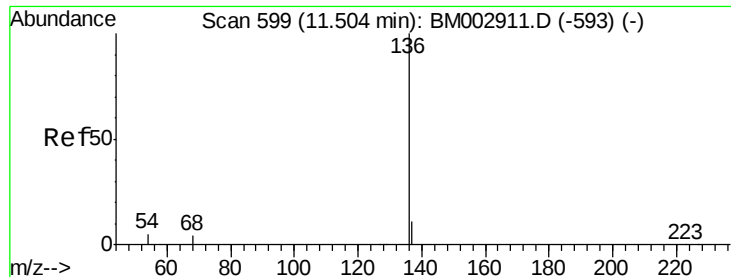
Ion Ratio Lower Upper

93 100

63 66.6 52.9 79.3

95 31.4 25.2 37.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.49 min Scan# 599

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

Tot Ion:136 Resp: 422016

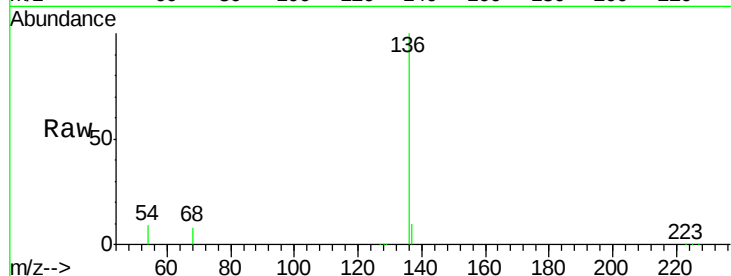
Ion Ratio Lower Upper

136 100

137 10.0 9.1 13.7

54 9.4 3.5 5.3#

68 7.7 3.3 4.9#

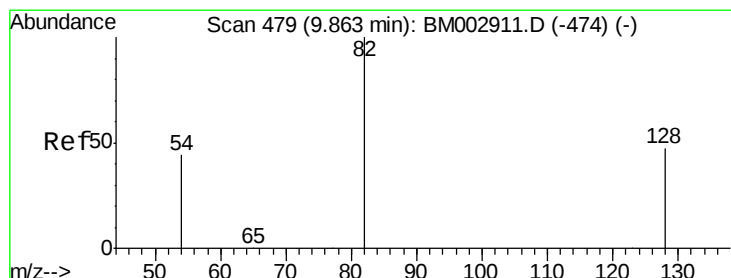
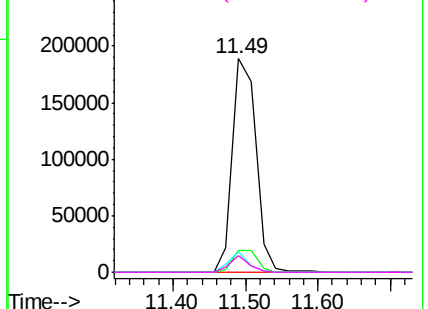
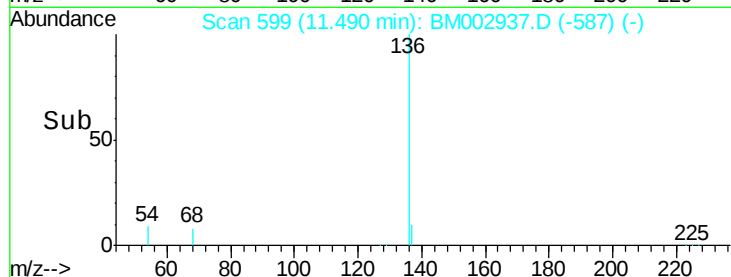


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 1.05 ng

RT: 9.86 min Scan# 479

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

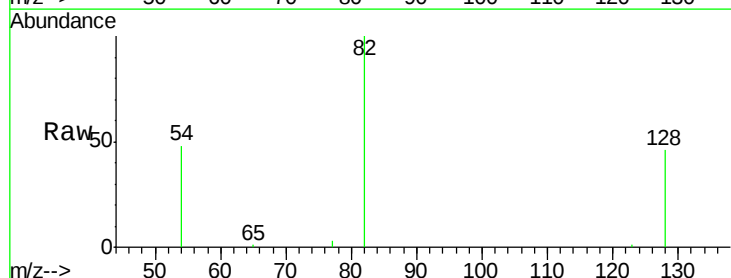
Tgt Ion: 82 Resp: 21295

Ion Ratio Lower Upper

82 100

128 46.0 34.1 51.1

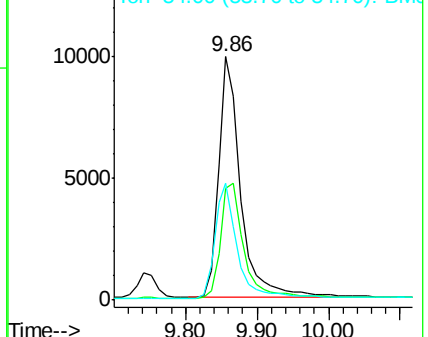
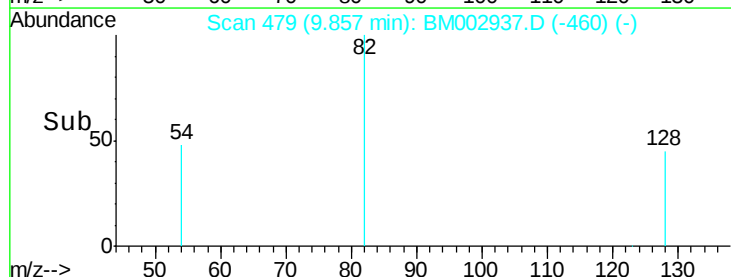
54 48.2 42.6 63.8

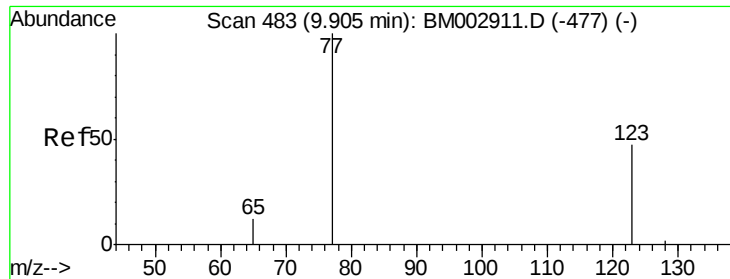


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 1.06 ng

RT: 9.90 min Scan# 483

Delta R.T. -0.01 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

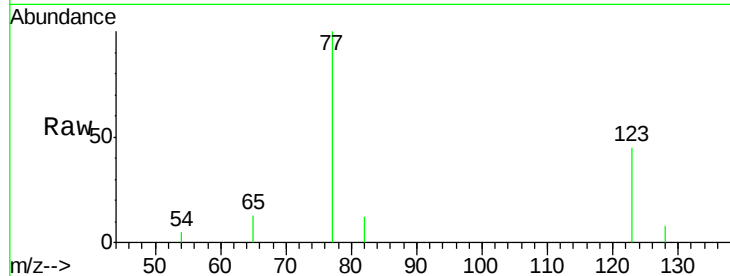
Tot Ion: 77 Resp: 22656

Ion Ratio Lower Upper

77 100

123 51.5 41.0 61.4

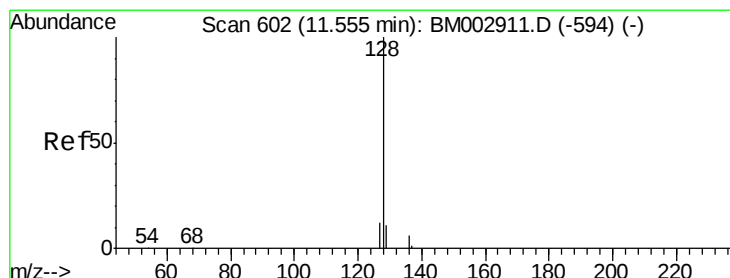
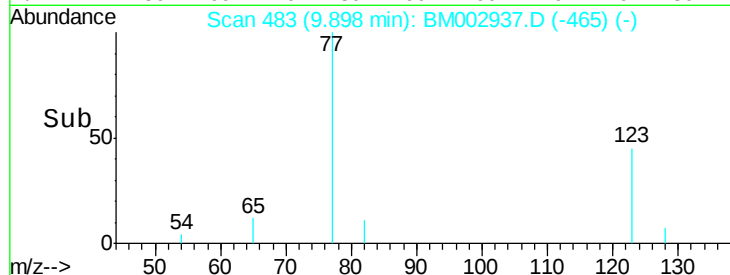
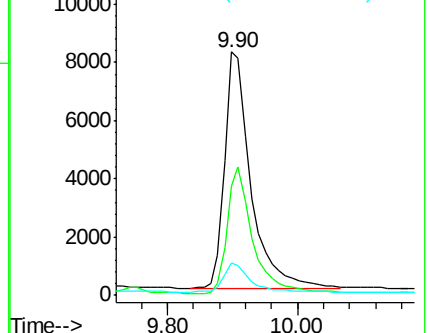
65 12.0 9.7 14.5



Abundance Ion 77.00 (76.70 to 77.70): BM002937.D (-465) (-)

Ion 123.00 (122.70 to 123.70): BM002937.D (-465) (-)

Ion 65.00 (64.70 to 65.70): BM002937.D (-465) (-)



#10

Naphthalene

Concen: 0.96 ng

RT: 11.54 min Scan# 602

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

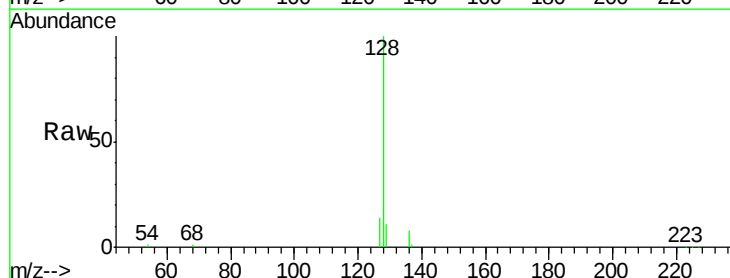
Tgt Ion: 128 Resp: 90258

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.2

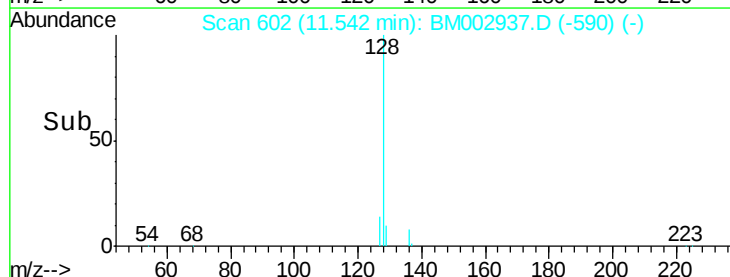
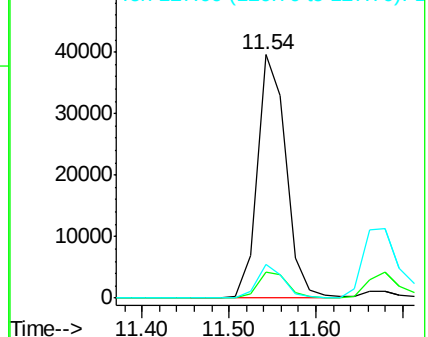
127 13.7 9.6 14.4

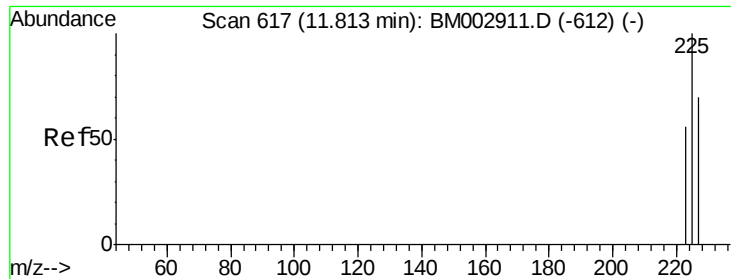


Abundance Ion 128.00 (127.70 to 128.70): BM002937.D (-590) (-)

Ion 129.00 (128.70 to 129.70): BM002937.D (-590) (-)

Ion 127.00 (126.70 to 127.70): BM002937.D (-590) (-)

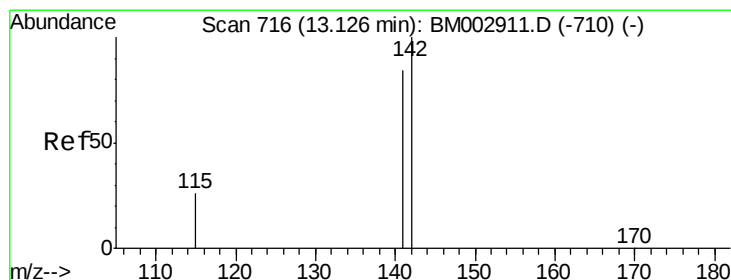
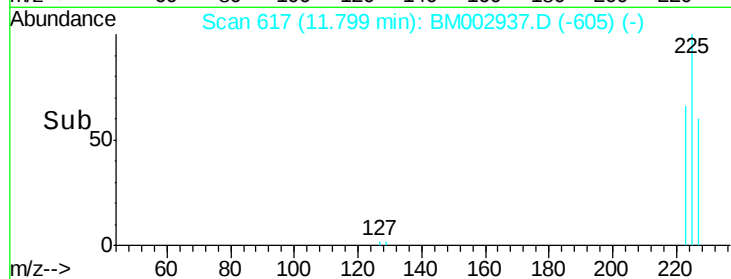
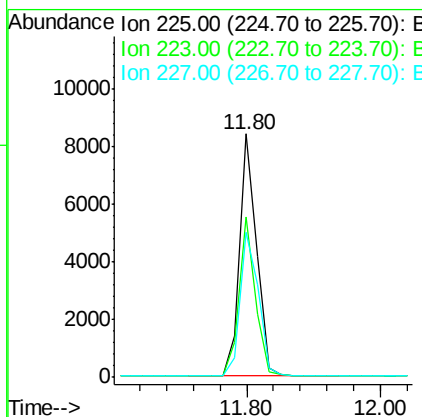
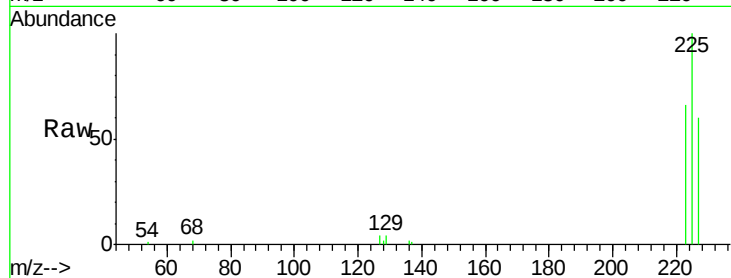




#11  
Hexachlorobutadiene  
Concen: 0.98 ng  
RT: 11.80 min Scan# 617  
Delta R.T. -0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

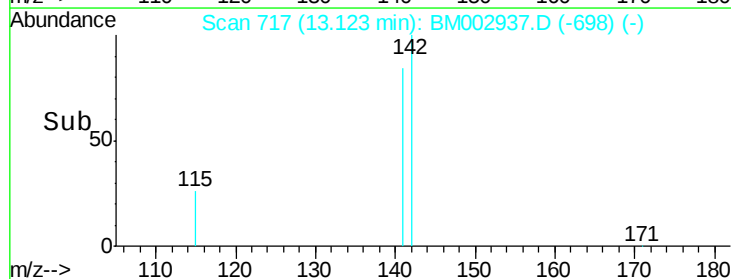
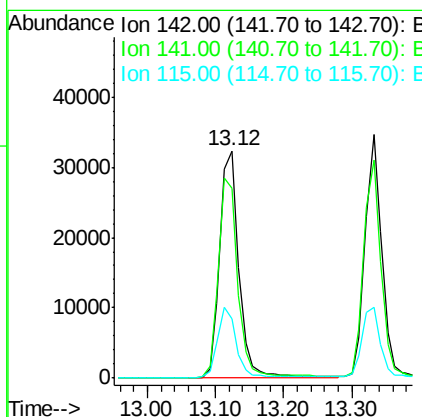
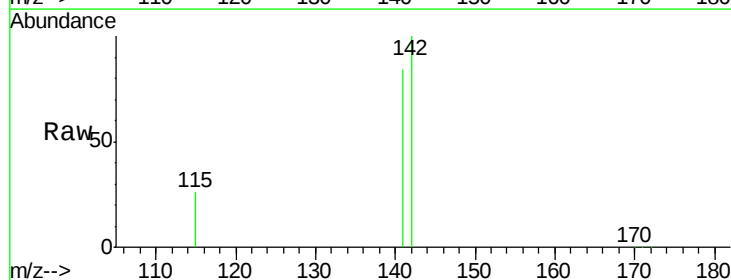
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

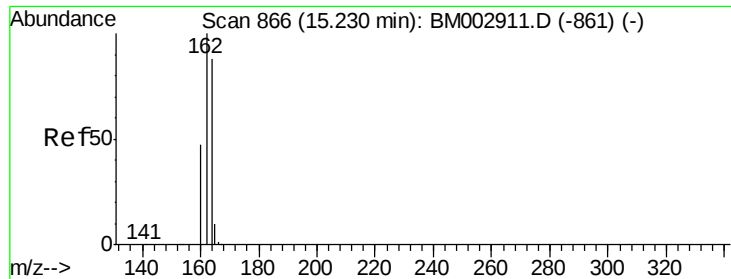
Tot Ion:225 Resp: 14740  
Ion Ratio Lower Upper  
225 100  
223 63.0 50.1 75.1  
227 63.7 51.2 76.8



#12  
2-Methylnaphthalene  
Concen: 0.98 ng  
RT: 13.12 min Scan# 717  
Delta R.T. -0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

Tgt Ion:142 Resp: 62074  
Ion Ratio Lower Upper  
142 100  
141 83.6 69.4 104.0  
115 26.1 22.7 34.1





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

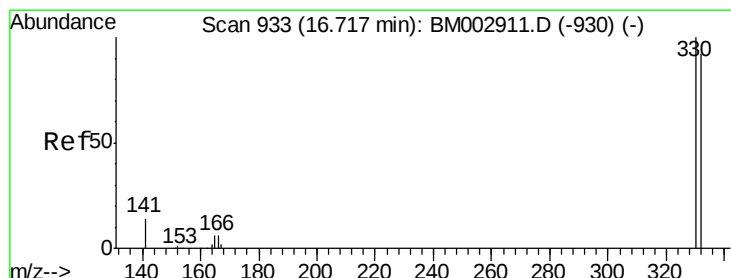
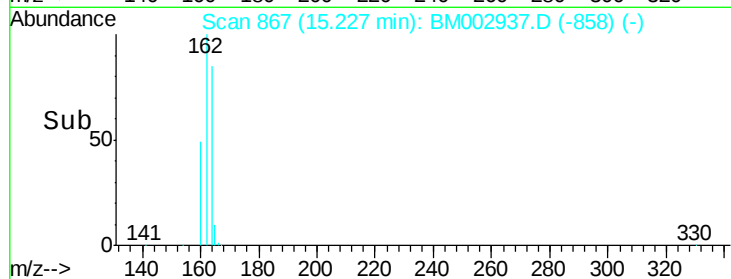
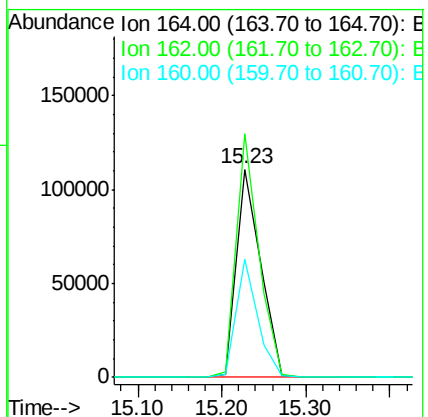
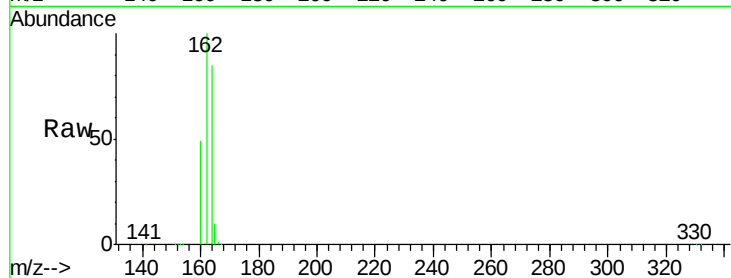
Tot Ion:164 Resp: 219000

Ion Ratio Lower Upper

164 100

162 117.0 79.6 119.4

160 56.9 33.1 49.7#



#14

2,4,6-Tribromophenol

Concen: 1.03 ng

RT: 16.71 min Scan# 934

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

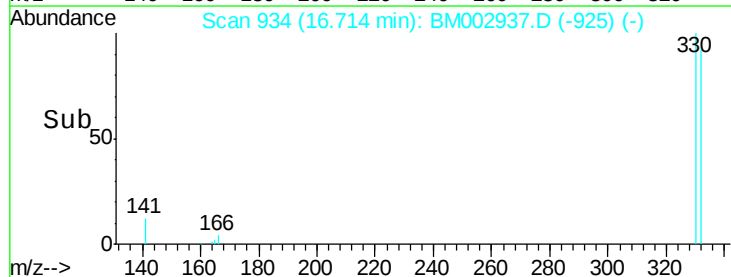
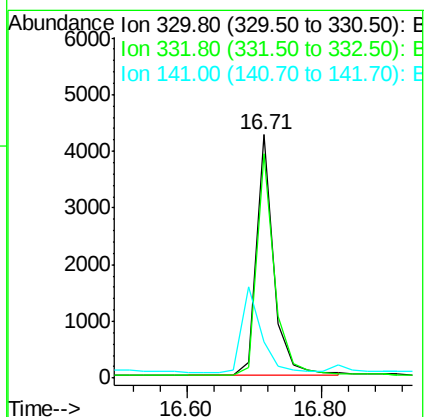
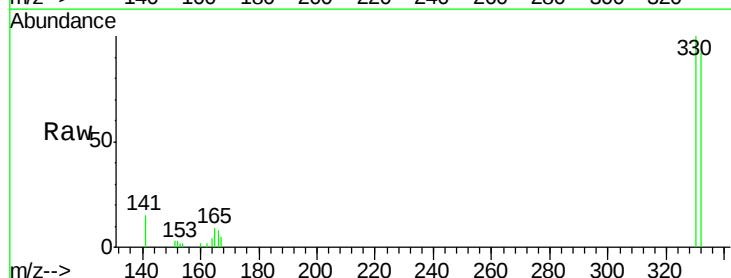
Tgt Ion:330 Resp: 7692

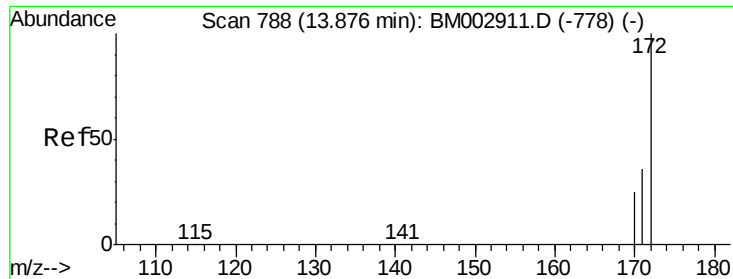
Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

141 0.0 0.0 0.0

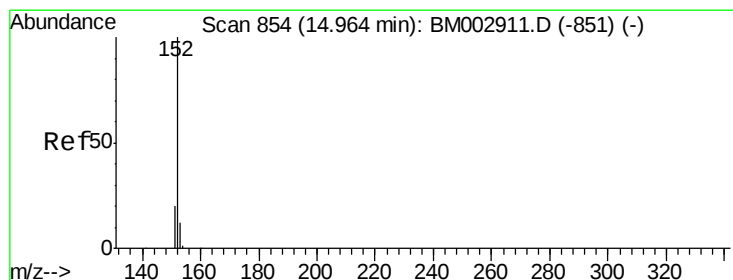
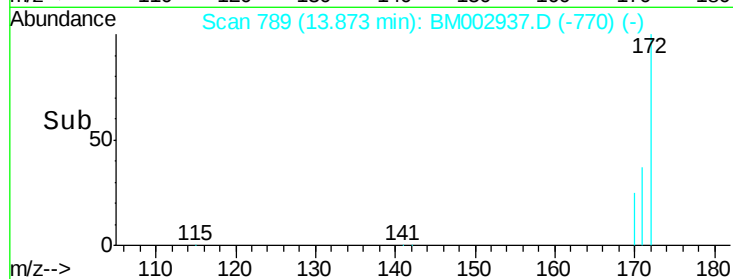
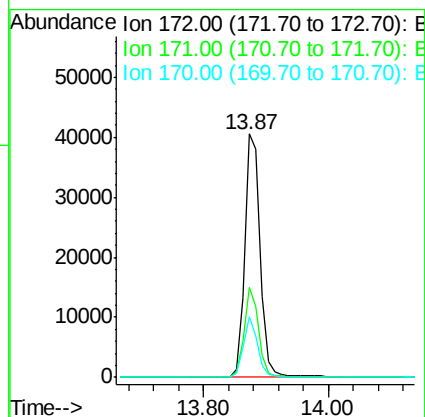
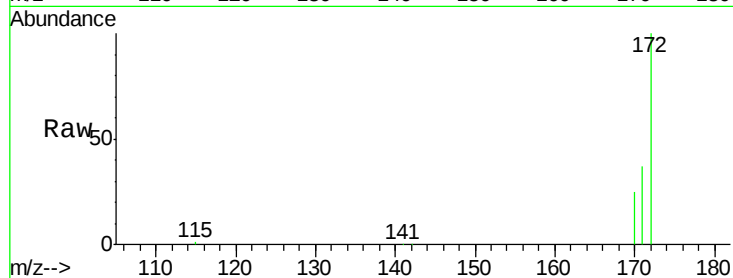




#15  
2-Fluorobiphenyl  
Concen: 1.00 ng  
RT: 13.87 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

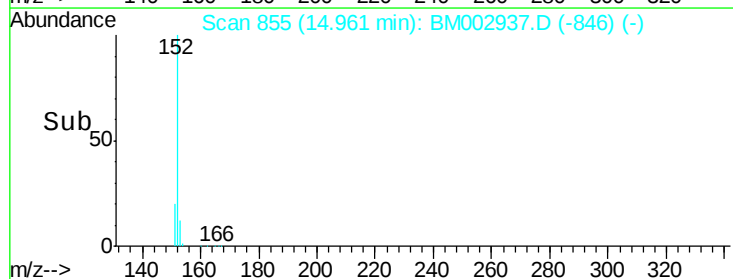
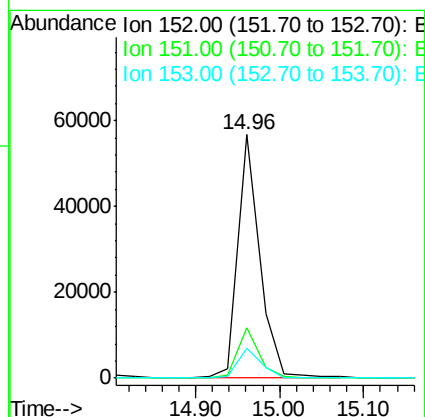
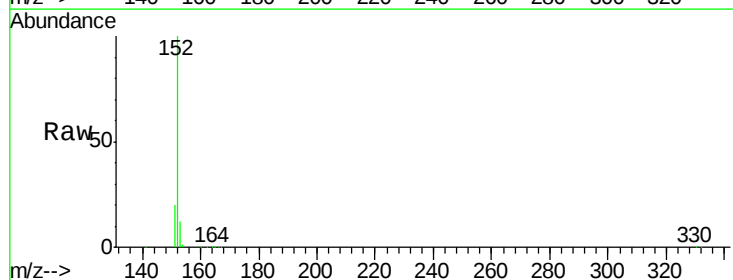
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

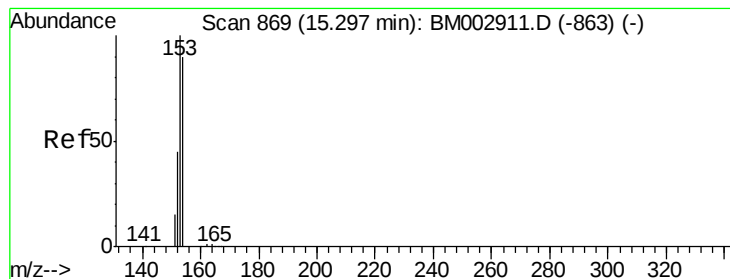
Tot Ion:172 Resp: 70038  
Ion Ratio Lower Upper  
172 100  
171 36.9 26.1 39.1  
170 25.0 15.7 23.5#



#16  
Acenaphthylene  
Concen: 1.06 ng  
RT: 14.96 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

Tgt Ion:152 Resp: 101114  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.3 22.9  
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.98 ng

RT: 15.29 min Scan# 870

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

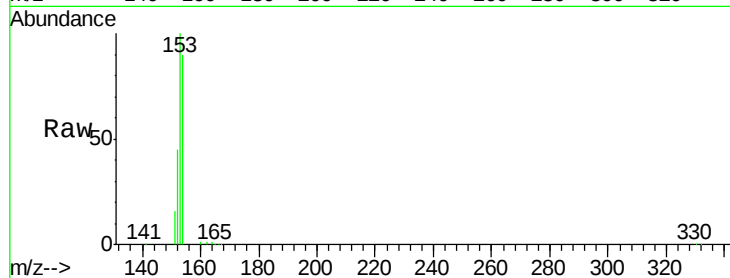
Tot Ion:154 Resp: 64180

Ion Ratio Lower Upper

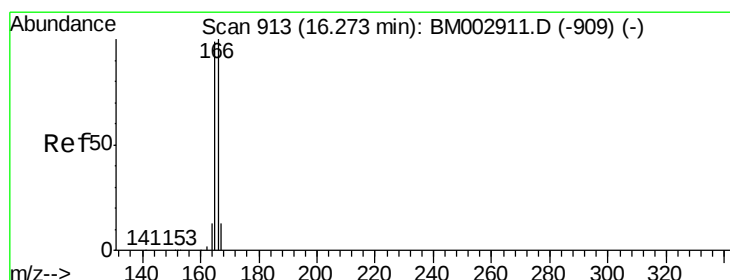
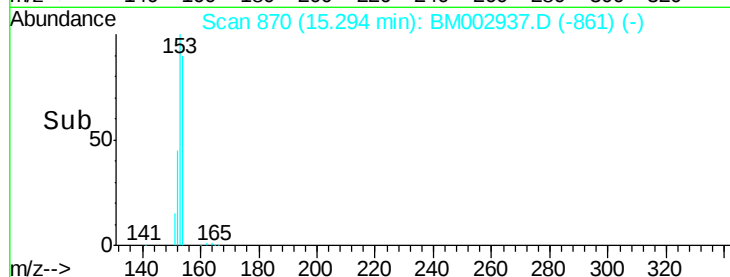
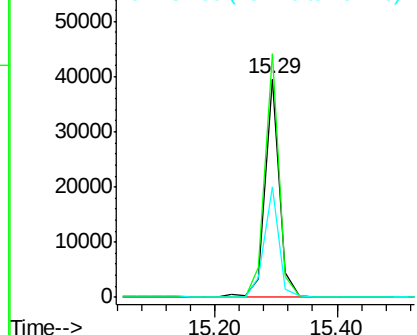
154 100

153 110.9 0.0 0.0#

152 51.3 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: 1.00 ng

RT: 16.27 min Scan# 914

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

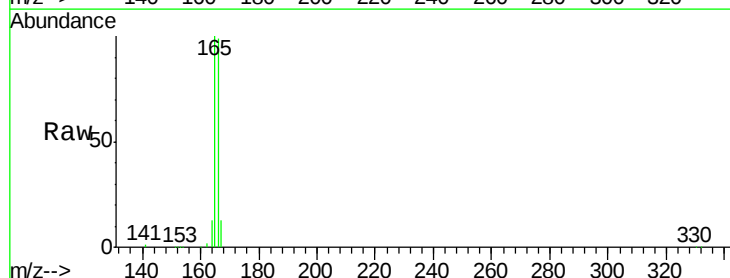
Tgt Ion:166 Resp: 78627

Ion Ratio Lower Upper

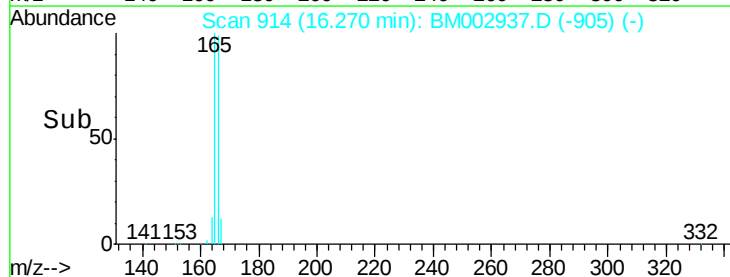
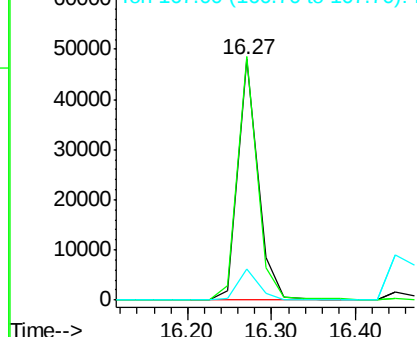
166 100

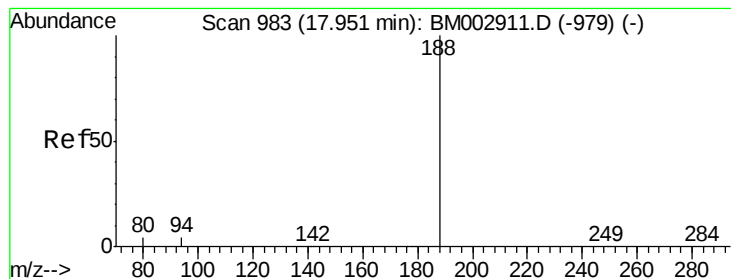
165 98.9 77.3 115.9

167 13.1 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: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

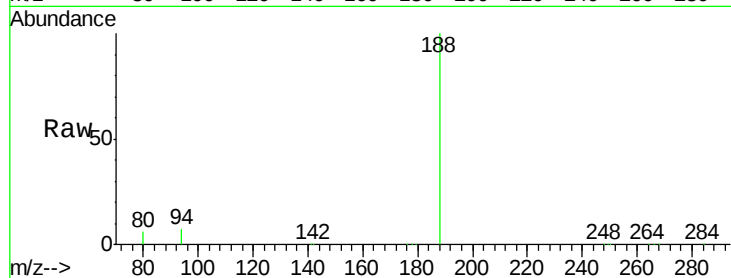
Tot Ion:188 Resp: 539338

Ion Ratio Lower Upper

188 100

94 6.8 15.2 22.8#

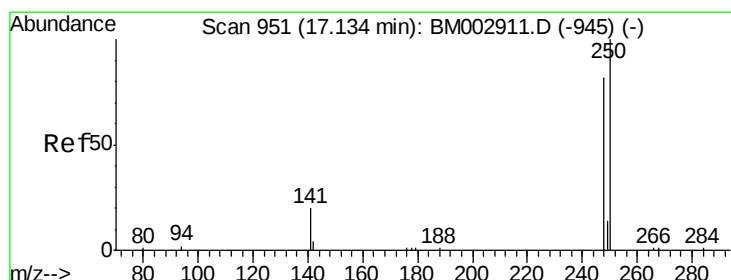
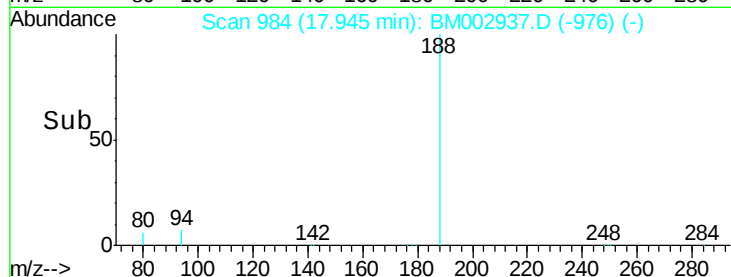
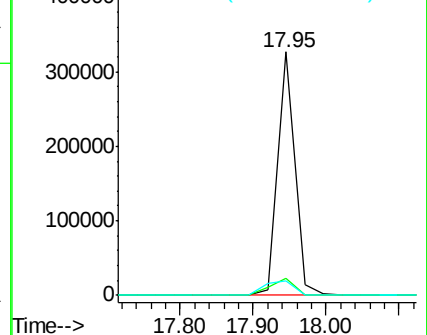
80 6.1 15.9 23.9#



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: 1.02 ng

RT: 17.13 min Scan# 952

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

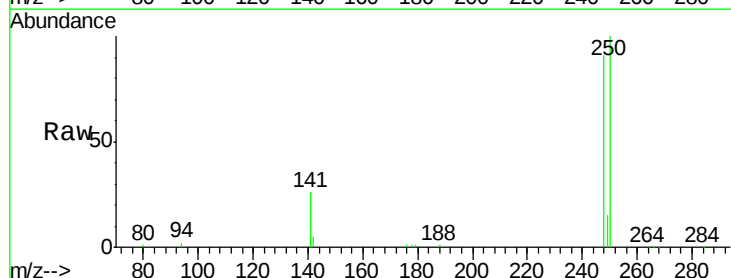
Tgt Ion:248 Resp: 22840

Ion Ratio Lower Upper

248 100

250 105.8 71.4 107.2

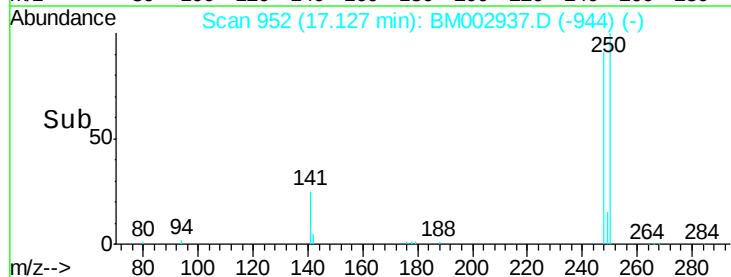
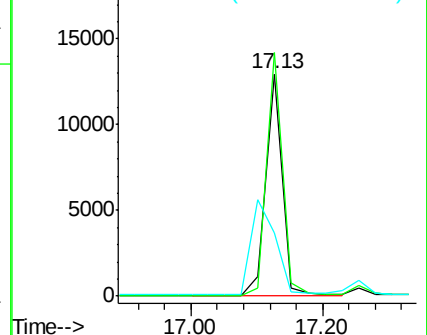
141 0.0 54.6 82.0#

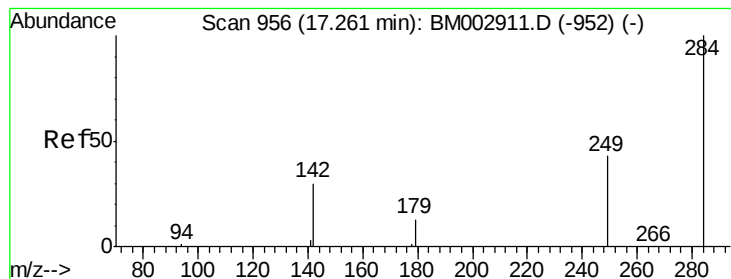


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.05 ng

RT: 17.25 min Scan# 957

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

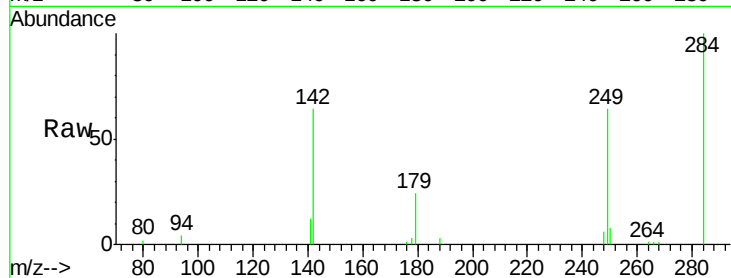
Tot Ion:284 Resp: 22112

Ion Ratio Lower Upper

284 100

142 39.1 0.0 0.0#

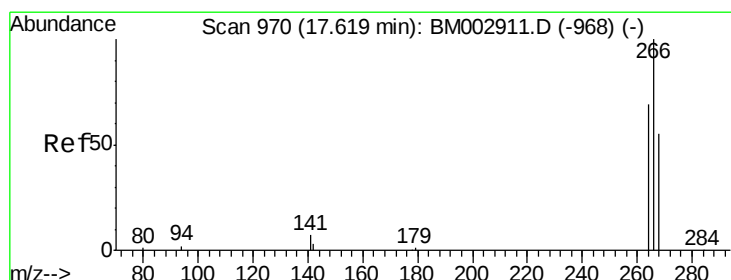
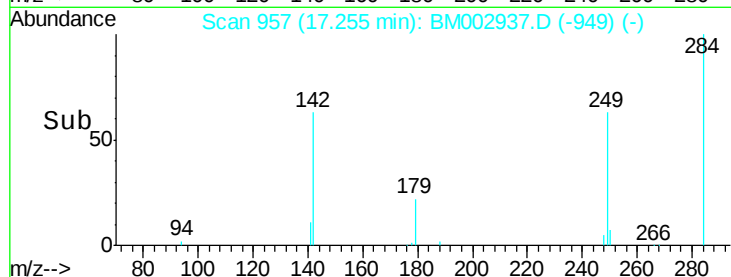
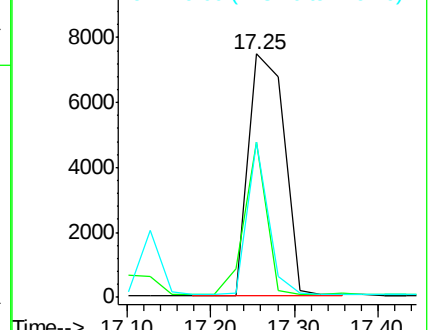
249 36.8 20.7 31.1#



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



#22

Pentachlorophenol

Concen: 1.63 ng

RT: 17.61 min Scan# 971

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

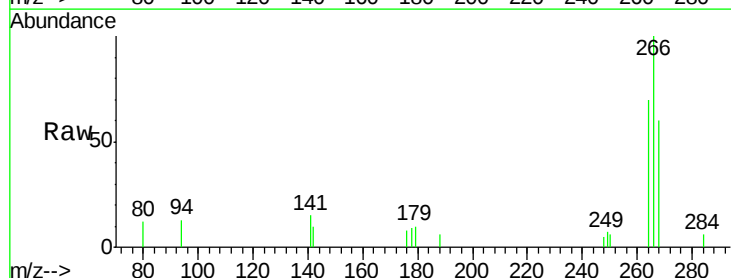
Tgt Ion:266 Resp: 3579

Ion Ratio Lower Upper

266 100

268 59.6 58.3 87.5

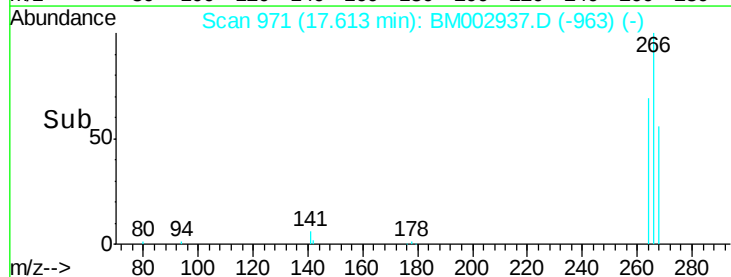
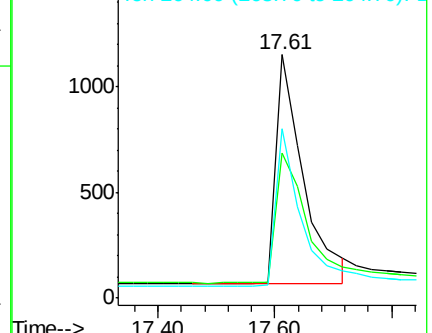
264 69.5 54.2 81.2

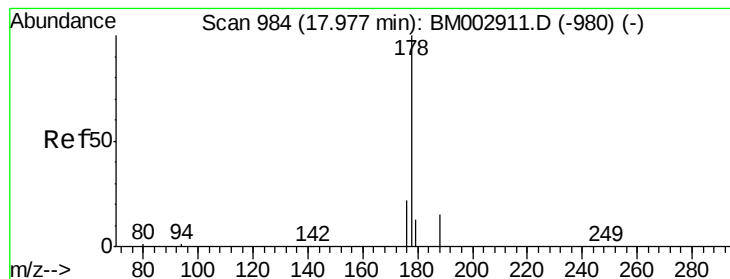


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.88 ng

RT: 18.00 min Scan# 986

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

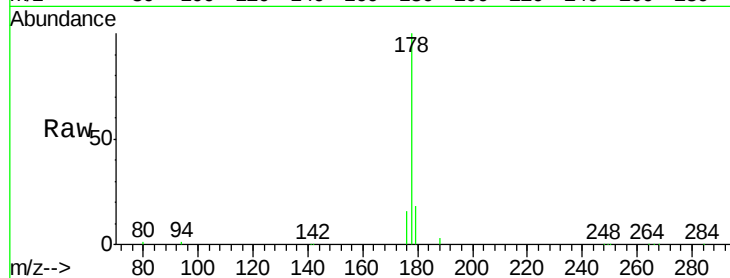
Tot Ion:178 Resp: 111084

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

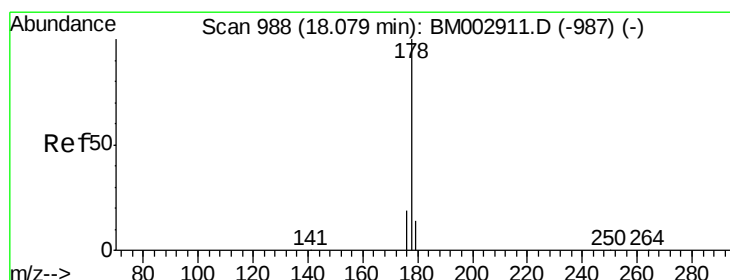
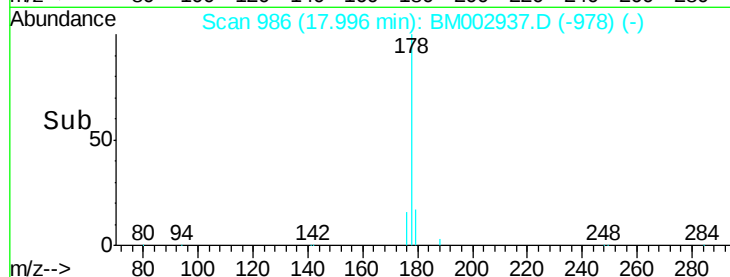
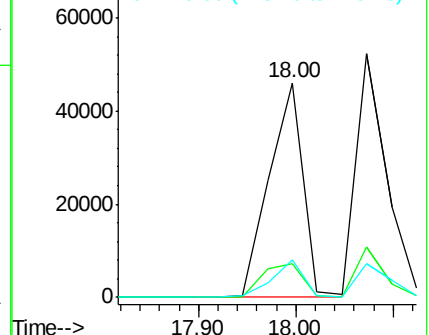
179 16.0 12.5 18.7



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: 0.93 ng

RT: 18.07 min Scan# 989

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

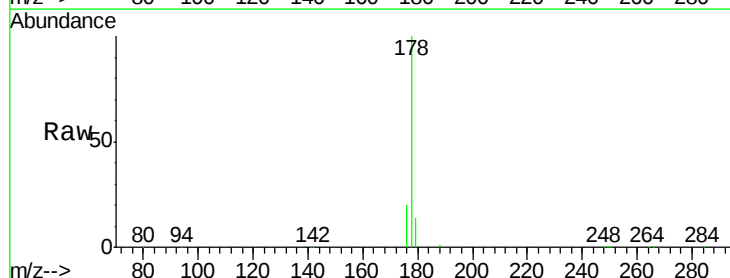
Tgt Ion:178 Resp: 111648

Ion Ratio Lower Upper

178 100

176 18.8 13.9 20.9

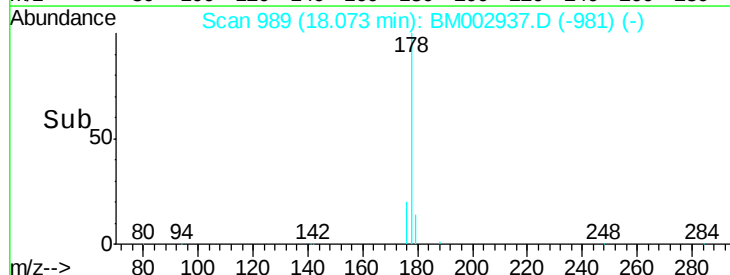
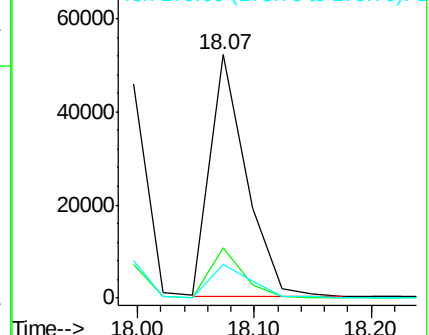
179 14.7 12.6 18.8

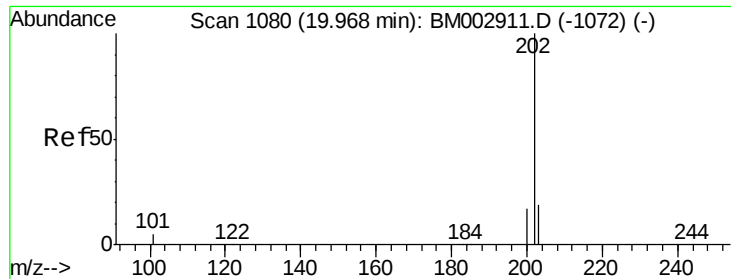


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.94 ng

RT: 19.96 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

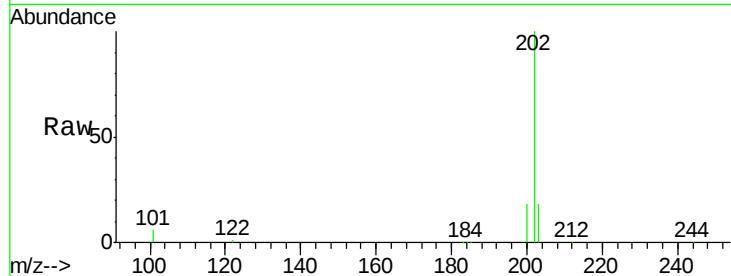
Tot Ion:202 Resp: 130493

Ion Ratio Lower Upper

202 100

101 13.7 11.0 16.6

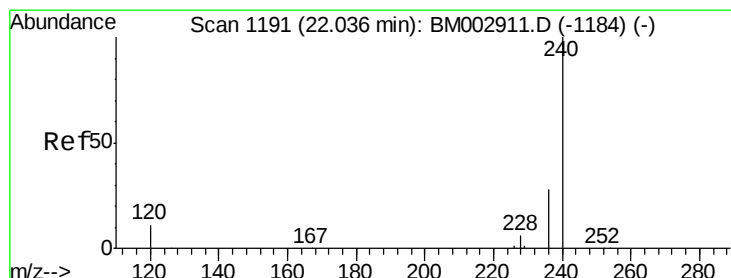
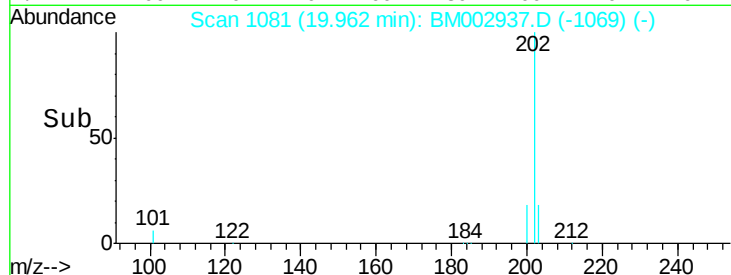
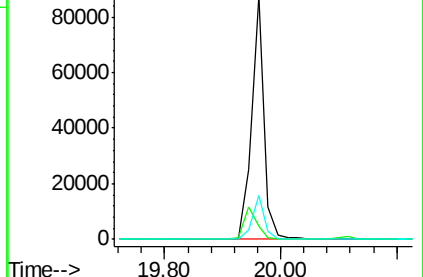
203 17.5 13.8 20.6



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: BM002937.D

Acq: 16 Oct 2015 16:42

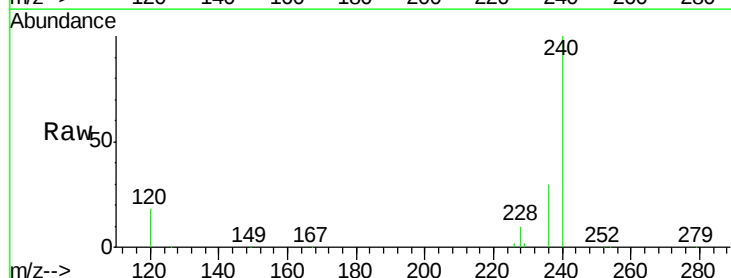
Tgt Ion:240 Resp: 395755

Ion Ratio Lower Upper

240 100

120 18.2 3.3 4.9#

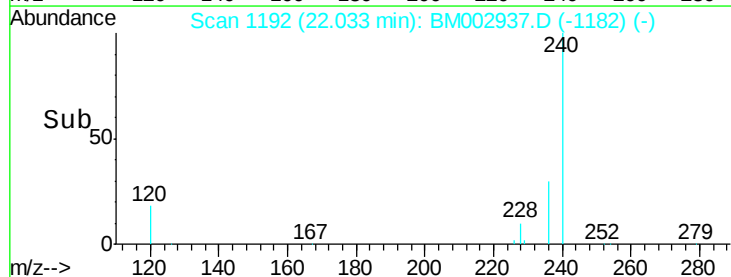
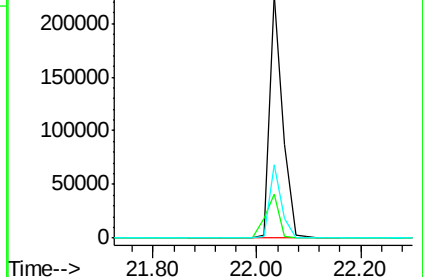
236 30.3 19.5 29.3#

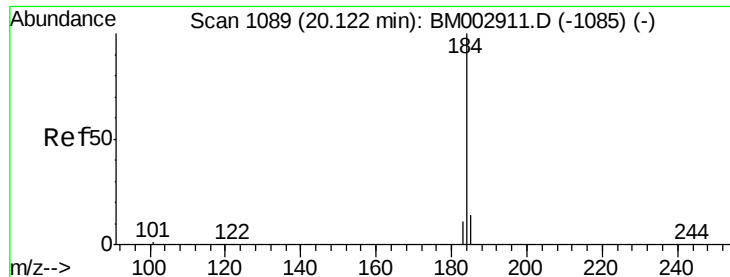


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

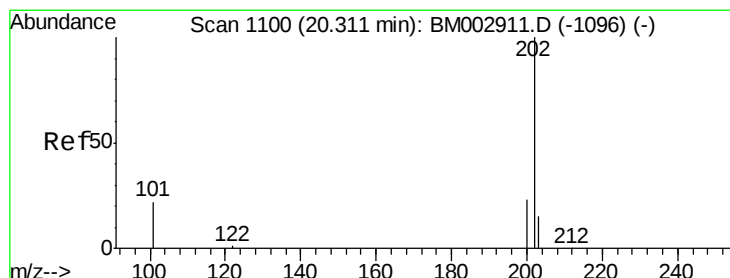
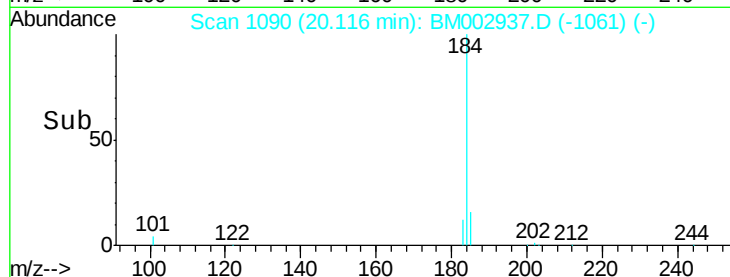
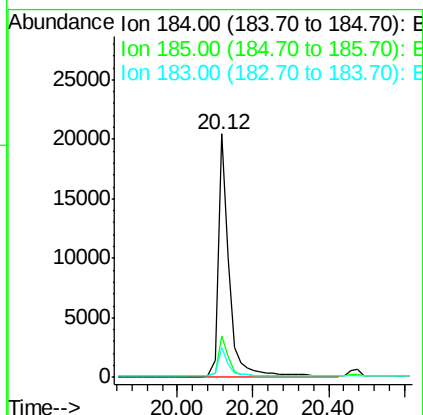
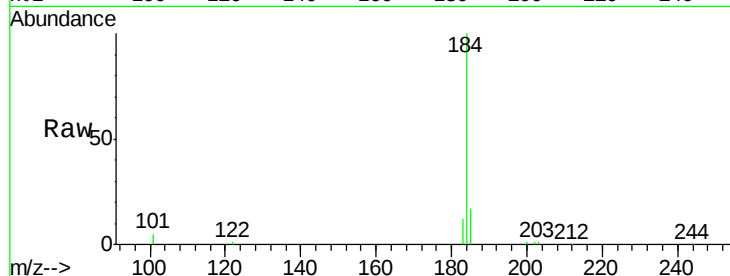




#27  
Benzidine  
Concen: 0.82 ng  
RT: 20.12 min Scan# 1090  
Delta R.T. -0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

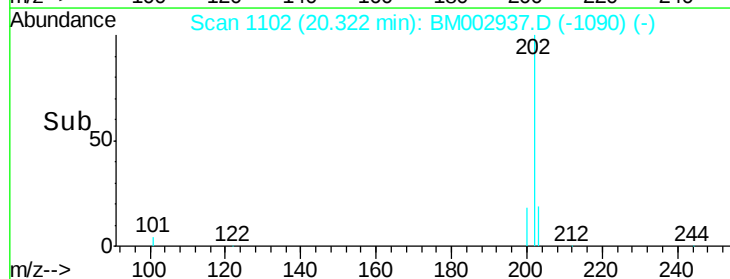
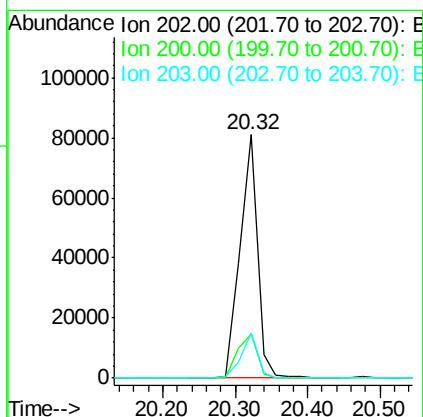
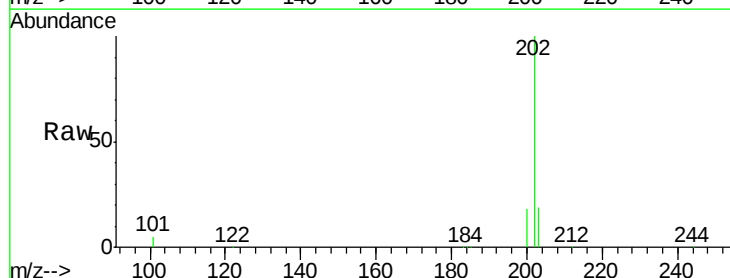
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

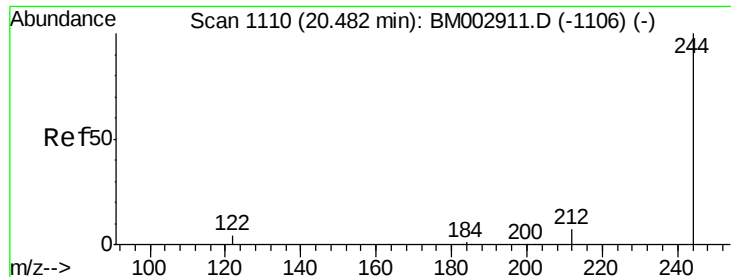
Tot Ion:184 Resp: 39583  
Ion Ratio Lower Upper  
184 100  
185 16.9 12.0 18.0  
183 12.5 8.9 13.3



#28  
Pyrene  
Concen: 1.14 ng  
RT: 20.32 min Scan# 1102  
Delta R.T. -0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

Tgt Ion:202 Resp: 132693  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.2 24.4  
203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 1.11 ng

RT: 20.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

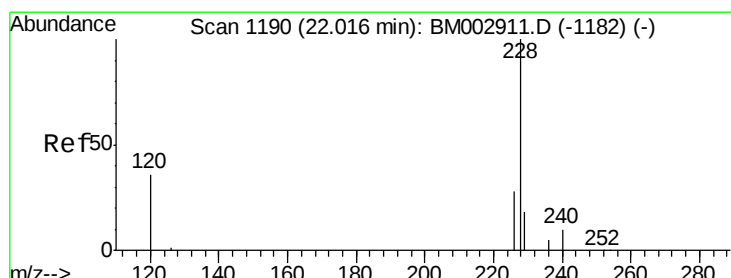
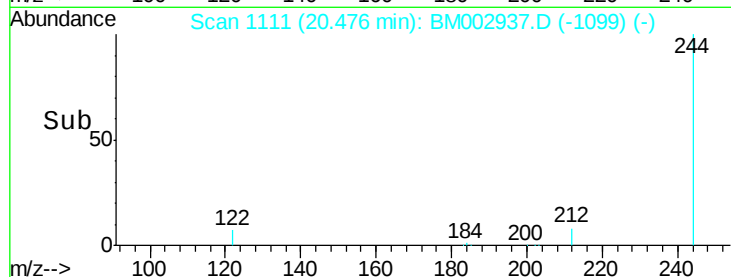
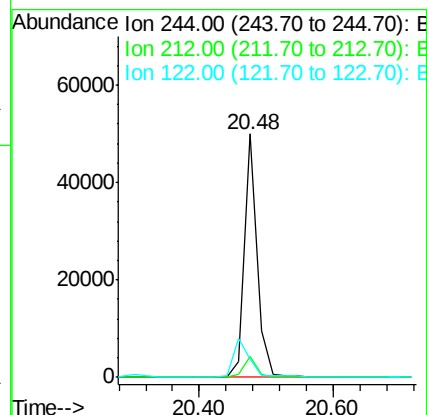
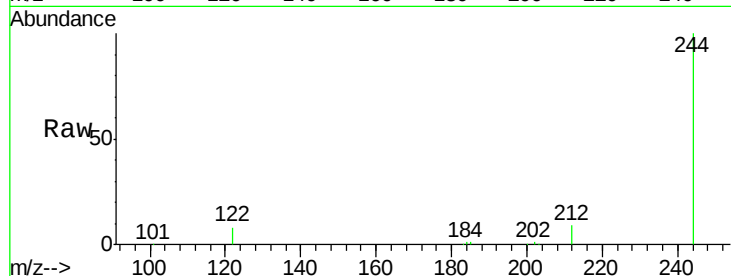
Tot Ion:244 Resp: 65698

Ion Ratio Lower Upper

244 100

212 8.6 5.6 8.4#

122 7.8 2.2 3.2#



#30

Benzo(a)anthracene

Concen: 1.04 ng

RT: 22.01 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

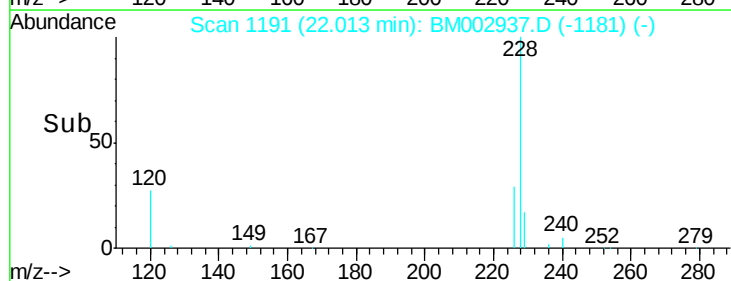
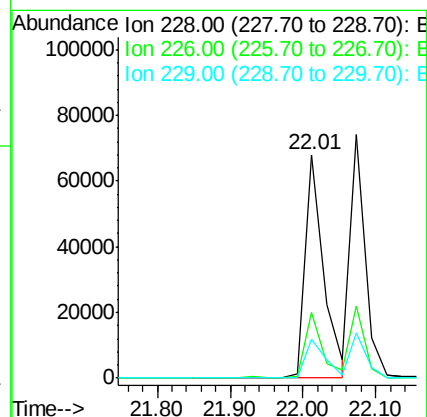
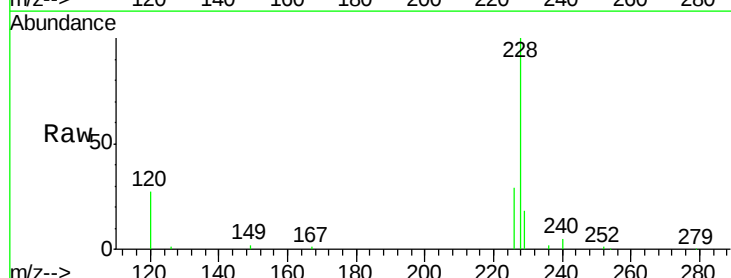
Tgt Ion:228 Resp: 119265

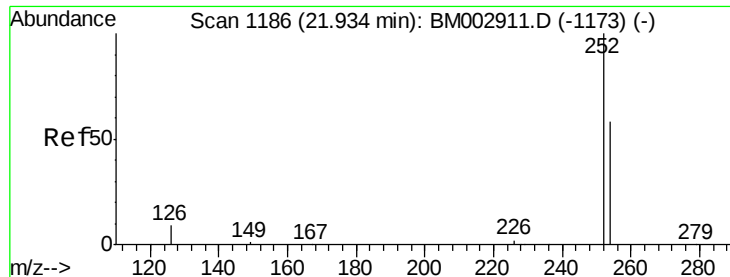
Ion Ratio Lower Upper

228 100

226 29.3 19.0 28.6#

229 17.5 16.8 25.2

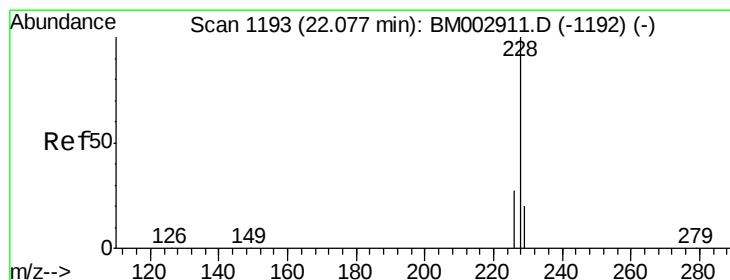
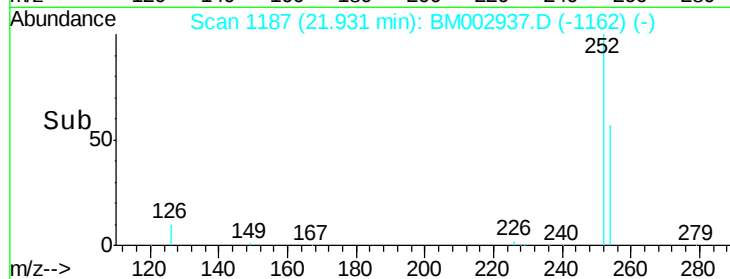
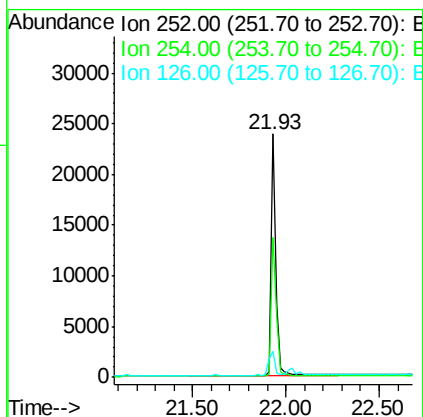
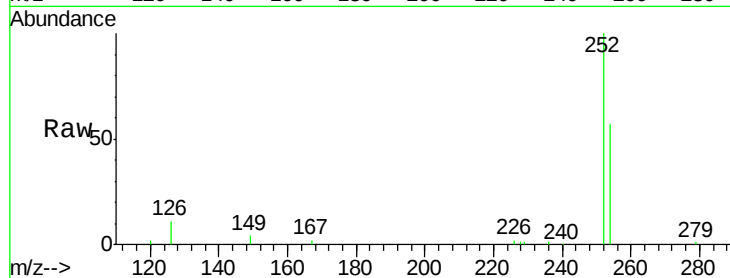




#31  
 3,3'-Dichlorobenzidine  
 Concen: 1.08 ng  
 RT: 21.93 min Scan# 1187  
 Delta R.T. 0.00 min  
 Lab File: BM002937.D  
 Acq: 16 Oct 2015 16:42

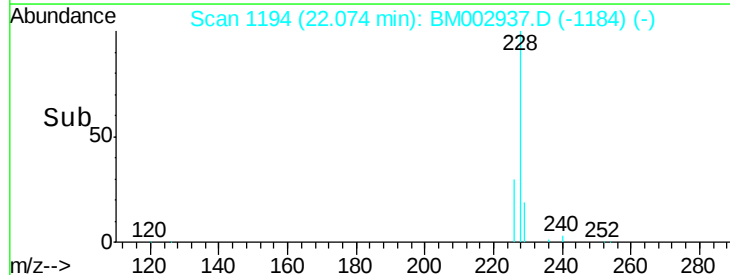
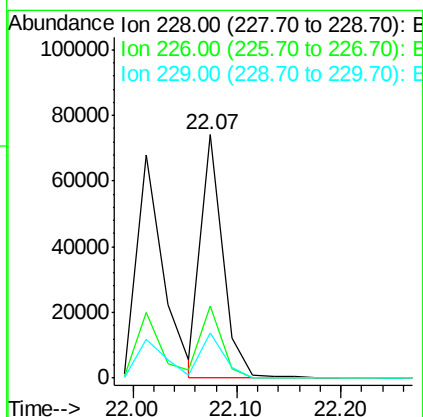
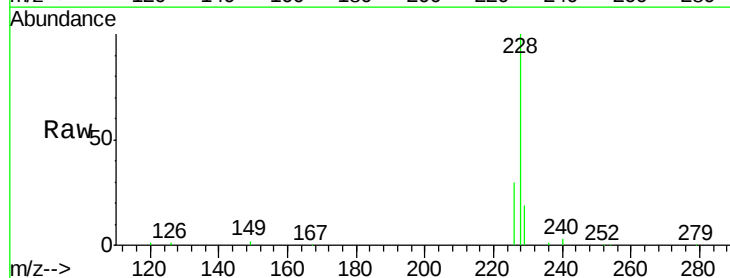
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

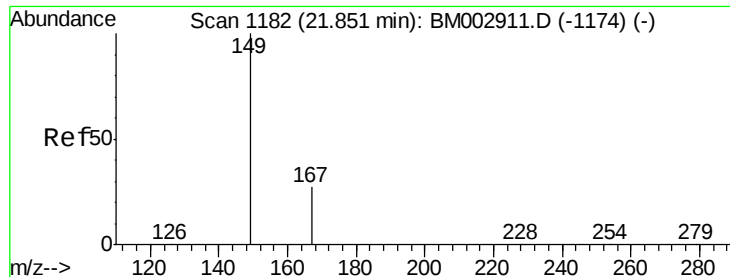
Tot Ion:252 Resp: 41863  
 Ion Ratio Lower Upper  
 252 100  
 254 57.3 54.1 81.1  
 126 10.6 4.1 6.1#



#32  
 Chrysene  
 Concen: 1.00 ng  
 RT: 22.07 min Scan# 1194  
 Delta R.T. 0.00 min  
 Lab File: BM002937.D  
 Acq: 16 Oct 2015 16:42

Tgt Ion:228 Resp: 107278  
 Ion Ratio Lower Upper  
 228 100  
 226 29.7 20.6 30.8  
 229 18.8 17.4 26.2





#33

Bis(2-ethylhexyl)phthalate

Concen: 1.34 ng

RT: 21.85 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

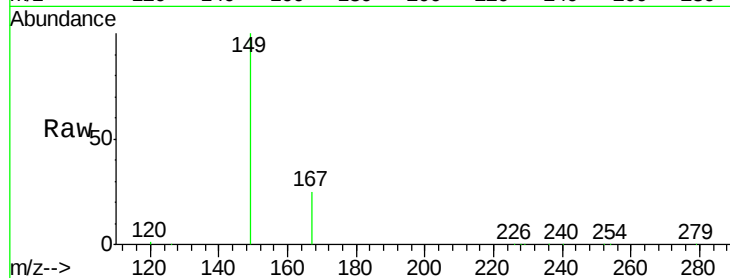
Tot Ion:149 Resp: 97552

Ion Ratio Lower Upper

149 100

167 25.9 17.2 25.8#

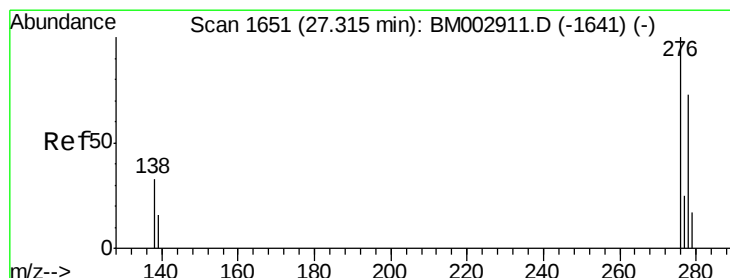
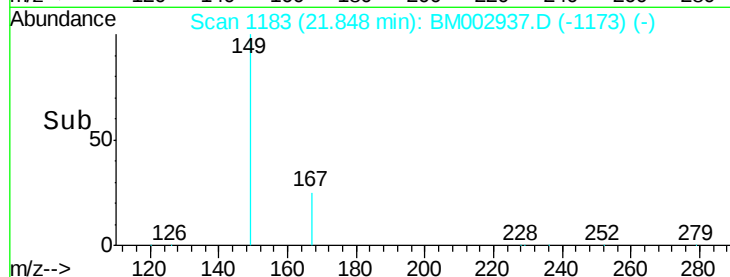
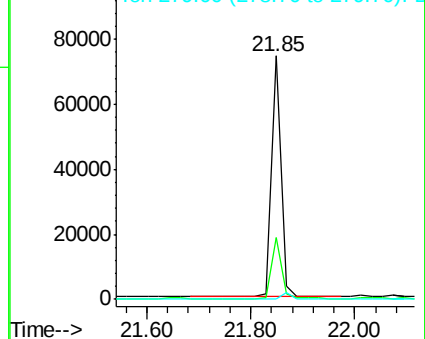
279 0.0 2.2 3.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.80 ng

RT: 27.31 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

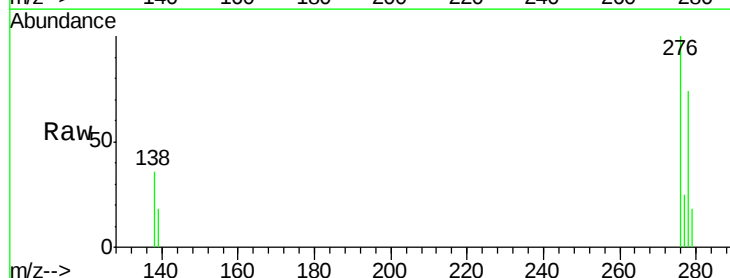
Tgt Ion:276 Resp: 87950

Ion Ratio Lower Upper

276 100

138 38.2 29.0 43.6

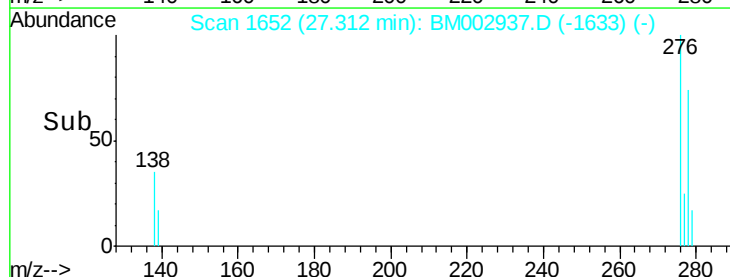
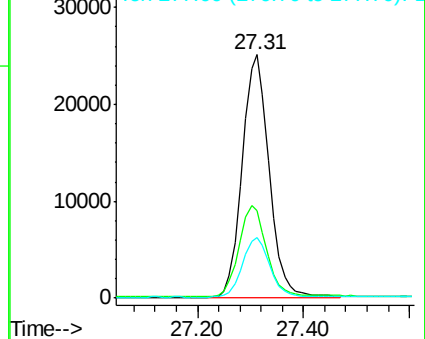
277 24.8 19.8 29.8

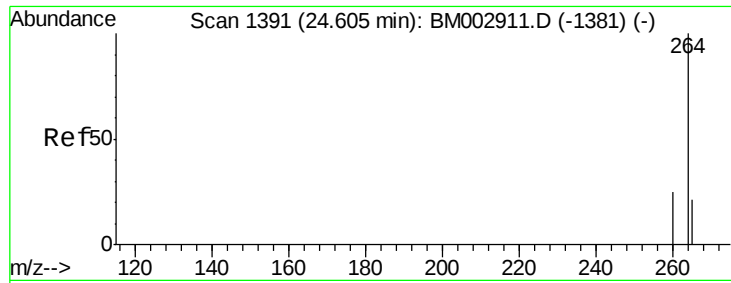


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

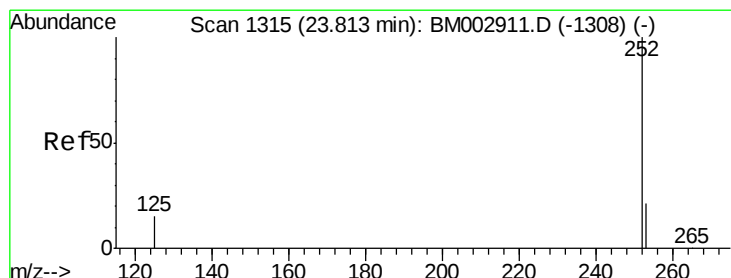
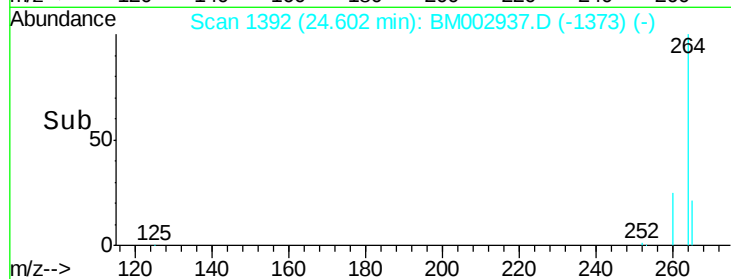
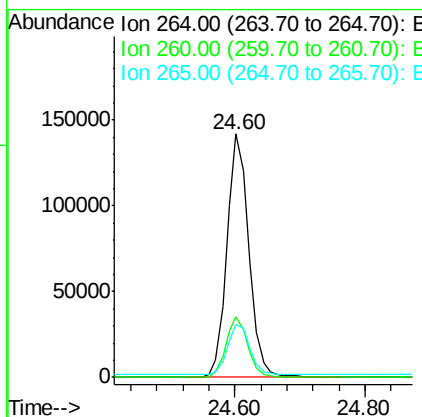
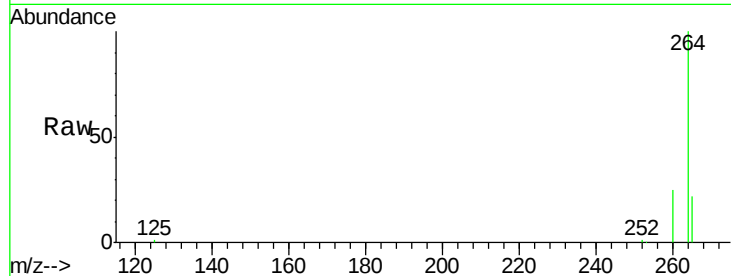




#35  
 Pervlene-d12  
 Concen: 5.00 ng  
 RT: 24.60 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: BM002937.D  
 Acq: 16 Oct 2015 16:42

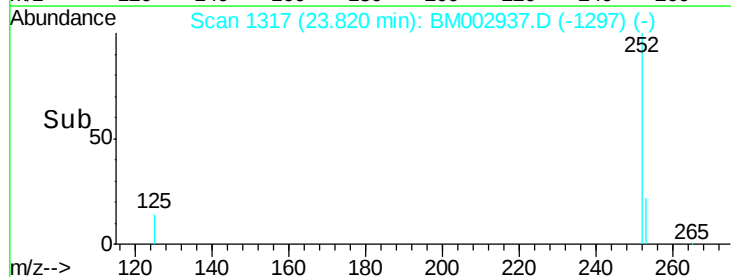
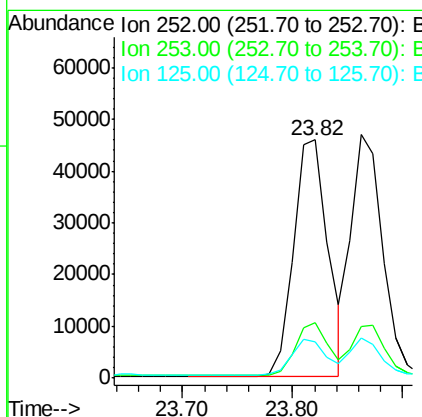
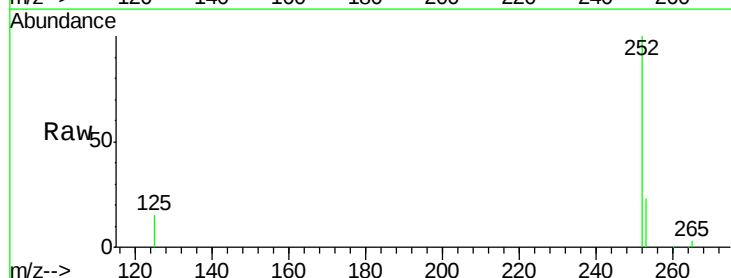
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

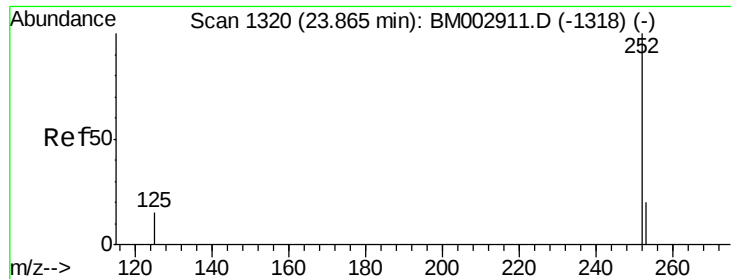
Tot Ion:264 Resp: 327998  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 20.1 30.1  
 265 21.9 17.6 26.4



#36  
 Benzo(b)fluoranthene  
 Concen: 1.05 ng  
 RT: 23.82 min Scan# 1317  
 Delta R.T. 0.01 min  
 Lab File: BM002937.D  
 Acq: 16 Oct 2015 16:42

Tgt Ion:252 Resp: 98976  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 17.5 26.3  
 125 15.3 12.4 18.6





#37

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 23.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

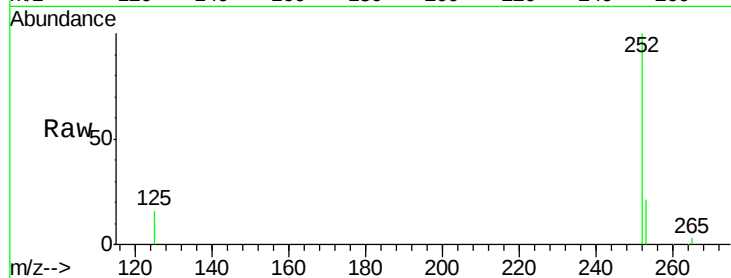
Tot Ion:252 Resp: 93747

Ion Ratio Lower Upper

252 100

253 21.4 17.9 26.9

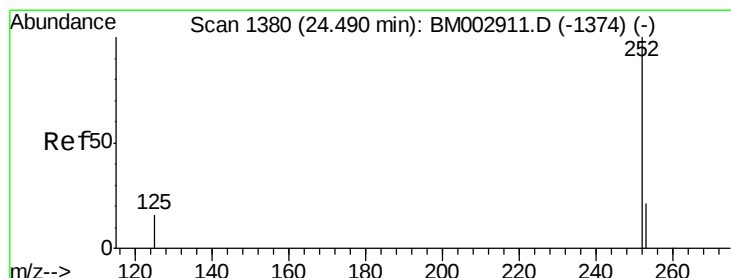
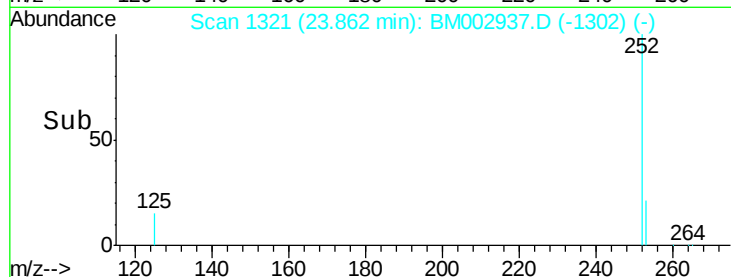
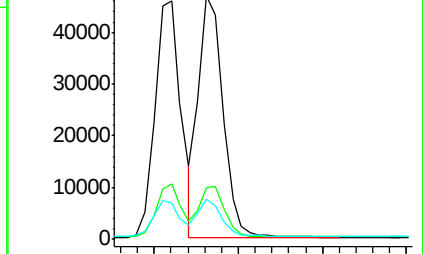
125 16.4 12.3 18.5



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: 1.03 ng

RT: 24.50 min Scan# 1382

Delta R.T. 0.01 min

Lab File: BM002937.D

Acq: 16 Oct 2015 16:42

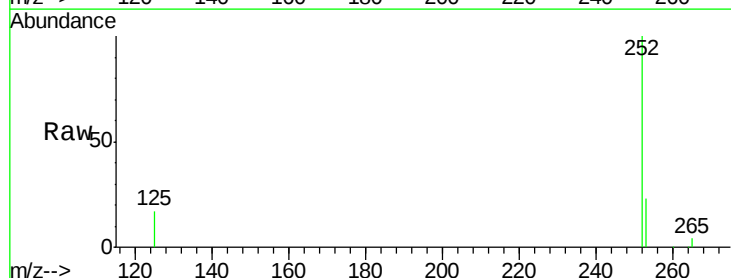
Tgt Ion:252 Resp: 85468

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

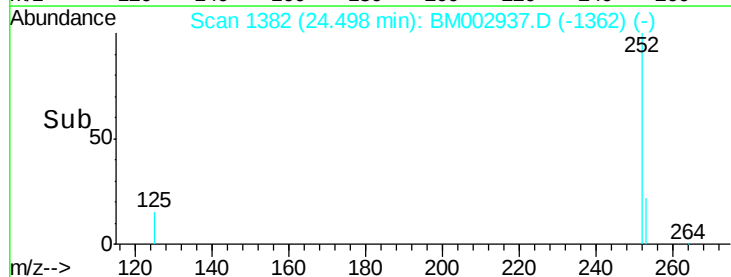
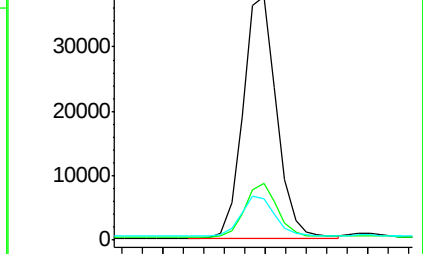
125 16.9 13.3 19.9

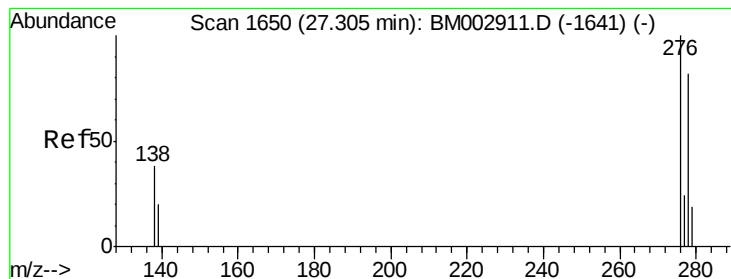


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

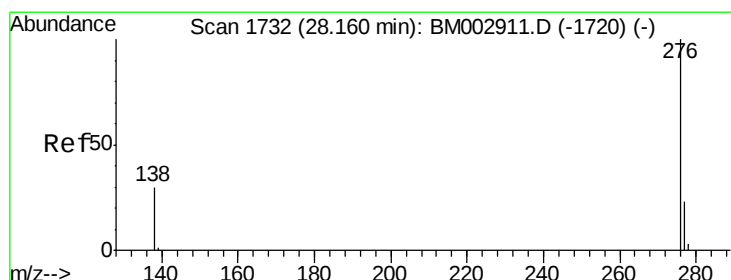
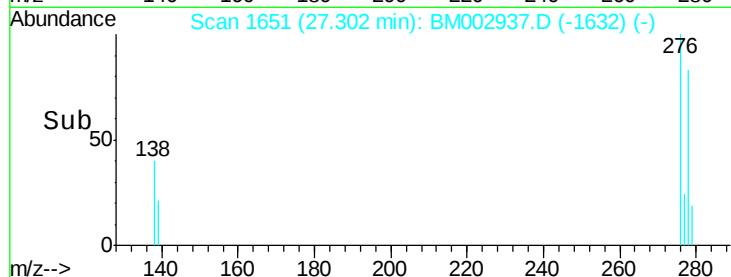
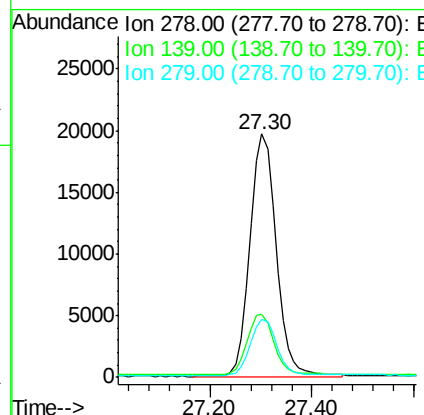
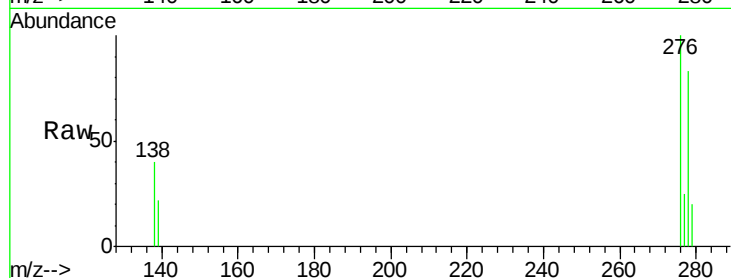




#39  
Dibenzo(a,h)anthracene  
Concen: 0.88 ng  
RT: 27.30 min Scan# 1651  
Delta R.T. 0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

Tot Ion:278 Resp: 70183  
Ion Ratio Lower Upper  
278 100  
139 26.2 19.8 29.6  
279 24.0 19.1 28.7



#40  
Benzo(g,h,i)perylene  
Concen: 0.85 ng  
RT: 28.16 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: BM002937.D  
Acq: 16 Oct 2015 16:42

Tgt Ion:276 Resp: 70855  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.4 29.0  
138 33.0 24.4 36.6

