

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\  
 Data File : BM002917.D  
 Acq On : 15 Oct 2015 16:54  
 Operator : UM/IZ  
 Sample : SSTDCCC001  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

Quant Time: Oct 16 06:46:36 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 15 16:21:18 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.66  | 152  | 89061    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.51 | 136  | 367890   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.23 | 164  | 186373   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.95 | 188  | 477028   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 22.03 | 240  | 374825   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 24.61 | 264  | 348168   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 6.15  | 112 | 15236 | 0.91 | ng | -0.02 |
| 5) Phenol-d6                | 7.79  | 99  | 20899 | 0.98 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 9.87  | 82  | 16300 | 0.92 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 16.71 | 330 | 5312  | 0.86 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.88 | 172 | 60603 | 1.02 | ng | 0.00  |
| 29) Terphenyl-d14           | 20.48 | 244 | 59034 | 1.05 | ng | 0.00  |

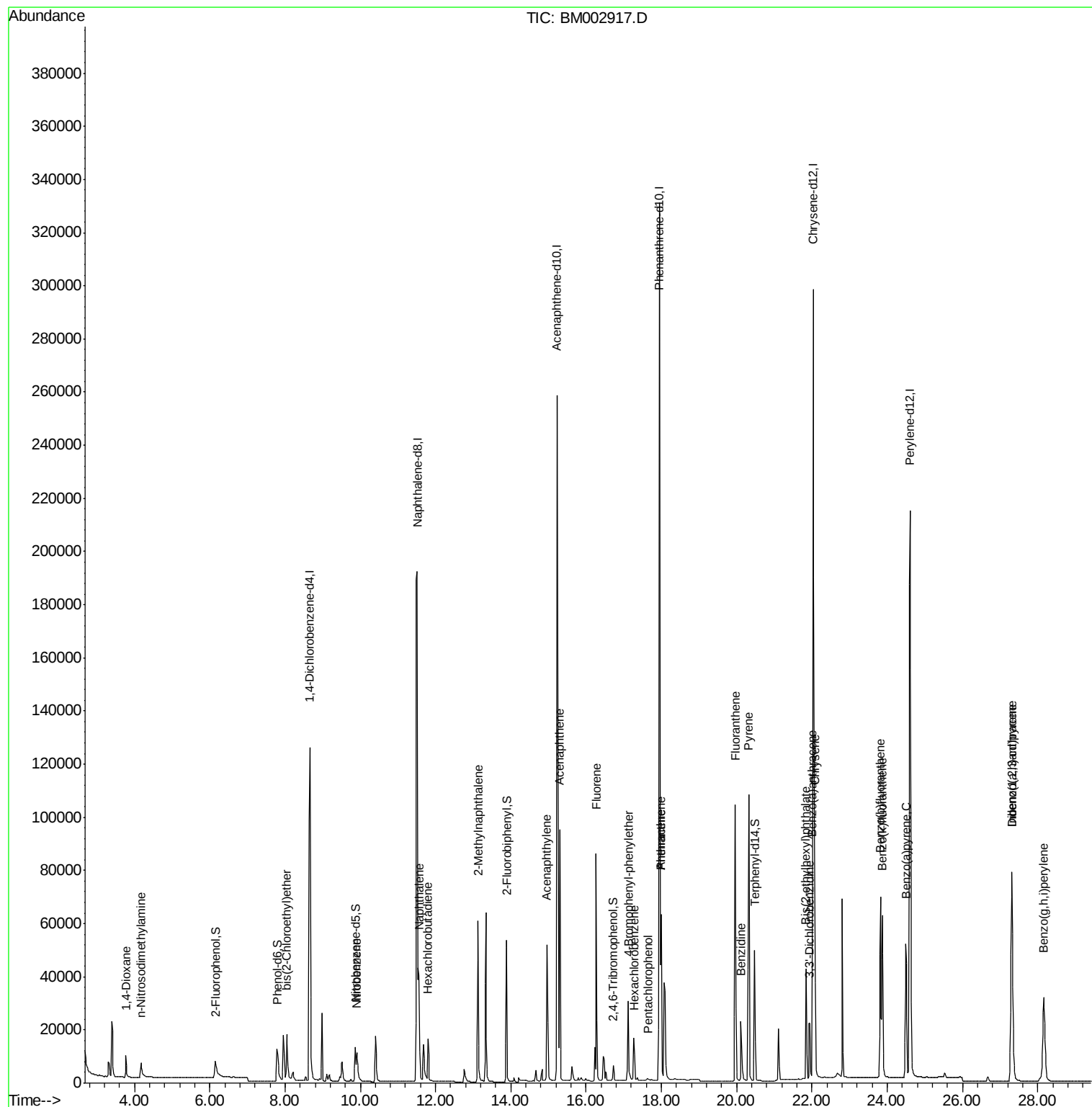
|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.77  | 88  | 7480   | 0.92   | ng | 98    |
| 3) n-Nitrosodimethylamine      | 4.17  | 42  | 6338   | 1.00   | ng | # 96  |
| 6) bis(2-Chloroethyl)ether     | 8.04  | 93  | 20414  | 1.01   | ng | 99    |
| 9) Nitrobenzene                | 9.91  | 77  | 17210  | 0.92   | ng | 99    |
| 10) Naphthalene                | 11.56 | 128 | 79053  | 0.97   | ng | 99    |
| 11) Hexachlorobutadiene        | 11.80 | 225 | 12844  | 0.97   | ng | 100   |
| 12) 2-Methylnaphthalene        | 13.12 | 142 | 53291  | 0.97   | ng | 99    |
| 16) Acenaphthylene             | 14.96 | 152 | 77722  | 0.95   | ng | 99    |
| 17) Acenaphthene               | 15.29 | 154 | 54580  | 0.98   | ng | # 100 |
| 18) Fluorene                   | 16.27 | 166 | 66448  | 1.00   | ng | 98    |
| 20) 4-Bromophenyl-phenylether  | 17.13 | 248 | 20510  | 1.04   | ng | 89    |
| 21) Hexachlorobenzene          | 17.28 | 284 | 19746  | 1.06   | ng | # 49  |
| 22) Pentachlorophenol          | 17.64 | 266 | 1331   | 0.82   | ng | 96    |
| 23) Phenanthrene               | 18.00 | 178 | 98569  | 0.89   | ng | 100   |
| 24) Anthracene                 | 18.00 | 178 | 98522  | 0.93   | ng | 99    |
| 25) Fluoranthene               | 19.96 | 202 | 110736 | 0.90   | ng | 99    |
| 27) Benzidine                  | 20.12 | 184 | 39133  | 0.84   | ng | 96    |
| 28) Pyrene                     | 20.32 | 202 | 113891 | 1.03   | ng | 100   |
| 30) Benzo(a)anthracene         | 22.01 | 228 | 101191 | 0.93   | ng | # 87  |
| 31) 3,3'-Dichlorobenzidine     | 21.93 | 252 | 31622  | 0.86   | ng | # 77  |
| 32) Chrysene                   | 22.07 | 228 | 102739 | 1.01   | ng | # 89  |
| 33) Bis(2-ethylhexyl)phthalate | 21.85 | 149 | 49525  | 0.86   | ng | # 93  |
| 34) Indeno(1,2,3-cd)pyrene     | 27.31 | 276 | 101708 | 0.98   | ng | 100   |
| 36) Benzo(b)fluoranthene       | 23.82 | 252 | 103952 | 1.04   | ng | 99    |
| 37) Benzo(k)fluoranthene       | 23.87 | 252 | 88894  | 0.91   | ng | 99    |
| 38) Benzo(a)pyrene             | 24.49 | 252 | 83311  | 0.94   | ng | 98    |
| 39) Dibenzo(a,h)anthracene     | 27.31 | 278 | 81381  | 0.96   | ng | 98    |
| 40) Benzo(g,h,i)perylene       | 28.16 | 276 | 86001  | 0.97   | ng | 100   |

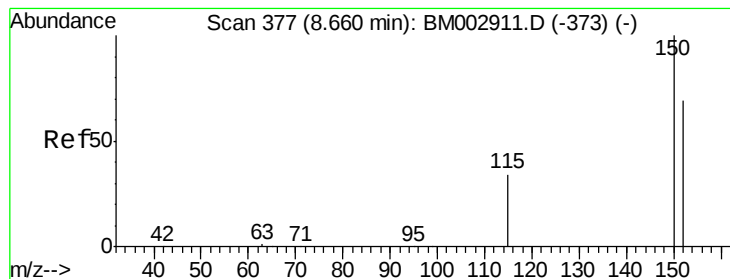
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

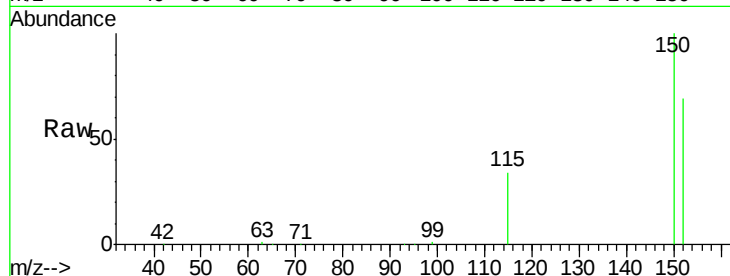
Tot Ion:152 Resp: 89061

Ion Ratio Lower Upper

152 100

150 144.9 113.0 169.6

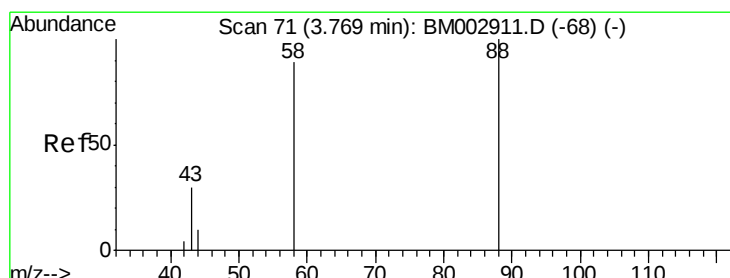
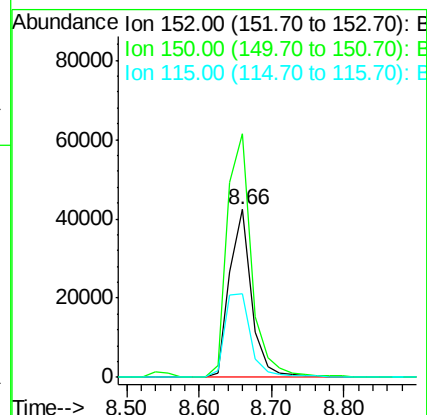
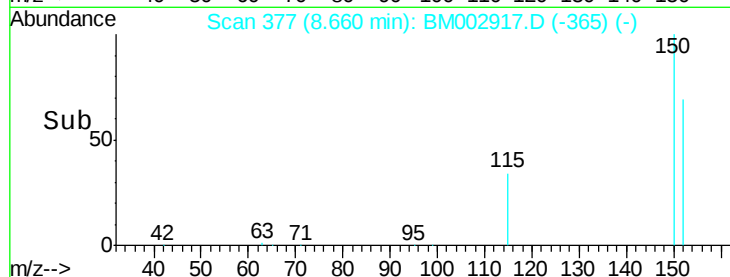
115 49.5 37.9 56.9



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: 0.92 ng

RT: 3.77 min Scan# 71

Delta R.T. 0.00 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

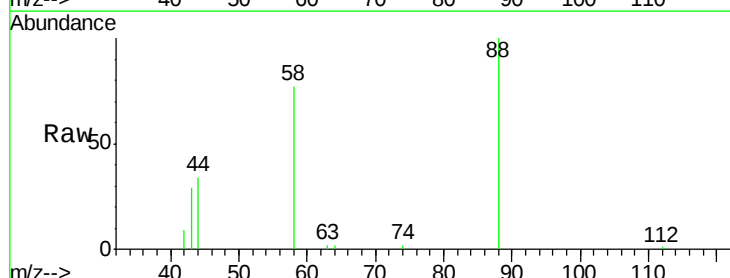
Tgt Ion: 88 Resp: 7480

Ion Ratio Lower Upper

88 100

58 71.6 56.7 85.1

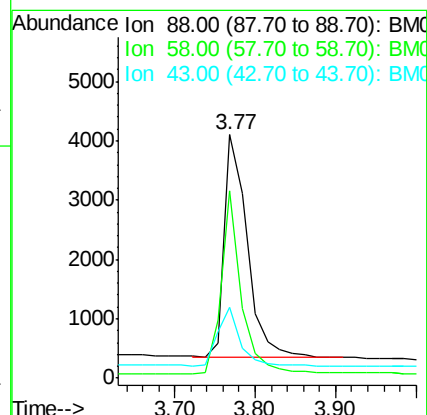
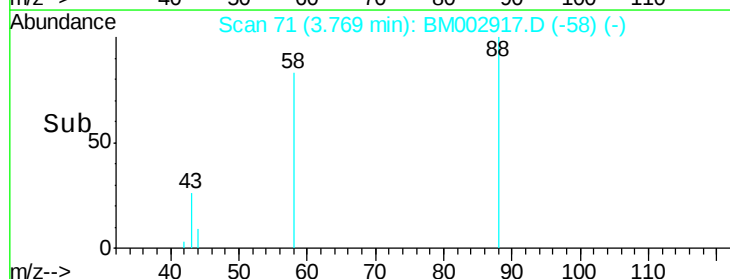
43 25.3 22.0 33.0

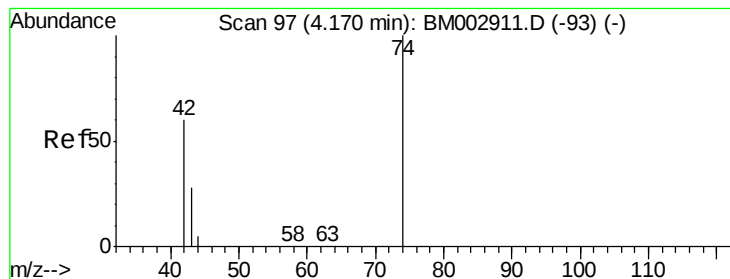


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

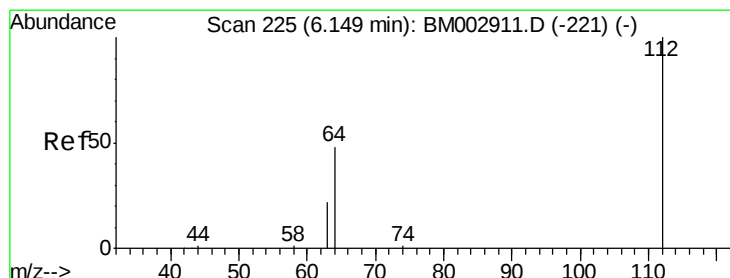
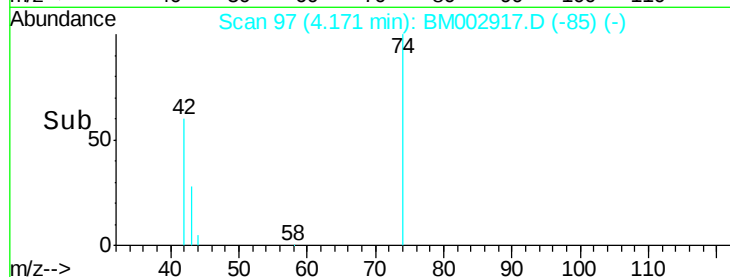
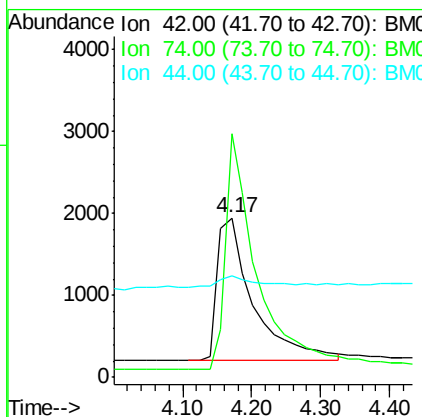
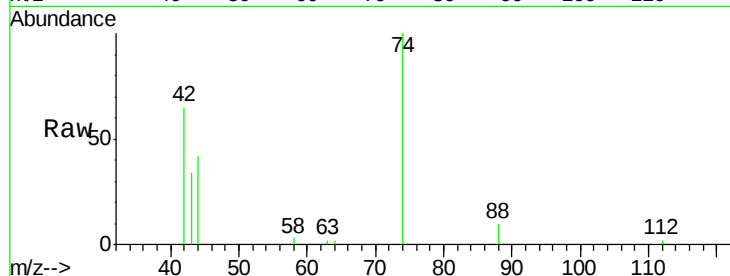




#3  
n-Nitrosodimethylamine  
Concen: 1.00 ng  
RT: 4.17 min Scan# 97  
Delta R.T. -0.02 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

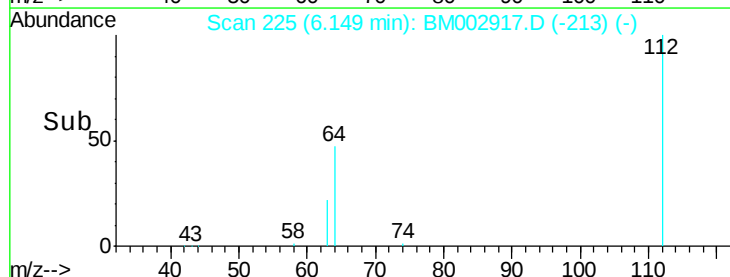
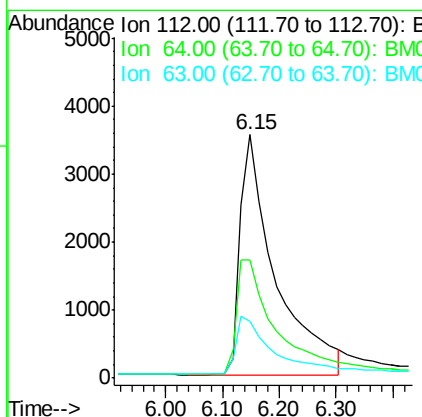
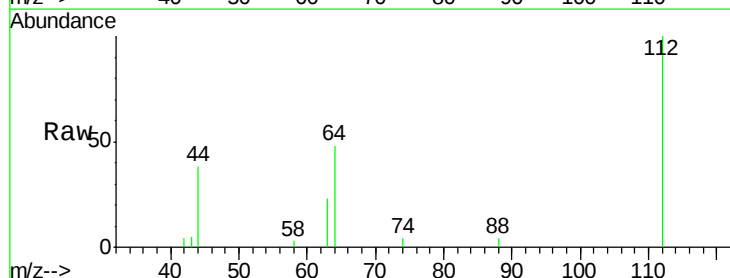
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

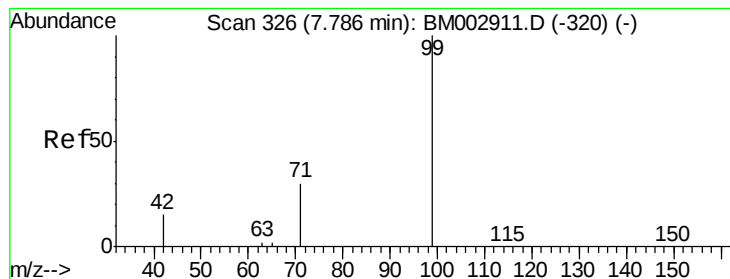
Tot Ion: 42 Resp: 6338  
Ion Ratio Lower Upper  
42 100  
74 145.4 119.7 179.5  
44 9.0 9.8 14.6#



#4  
2-Fluorophenol  
Concen: 0.91 ng  
RT: 6.15 min Scan# 225  
Delta R.T. -0.02 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Tgt Ion: 112 Resp: 15236  
Ion Ratio Lower Upper  
112 100  
64 51.9 42.0 63.0  
63 24.6 20.0 30.0





#5

Phenol-d6

Concen: 0.98 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

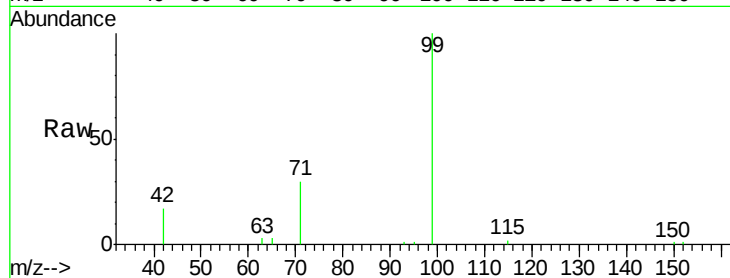
Tot Ion: 99 Resp: 20899

Ion Ratio Lower Upper

99 100

42 15.7 12.4 18.6

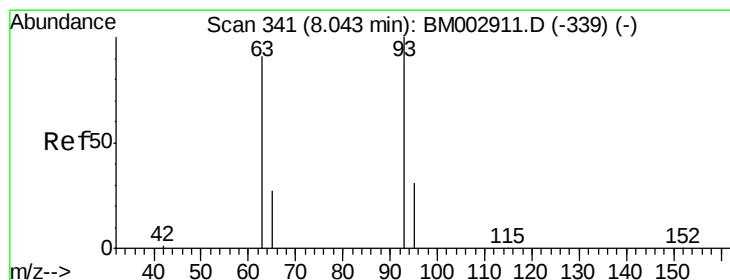
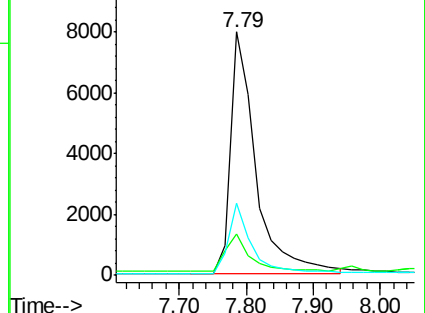
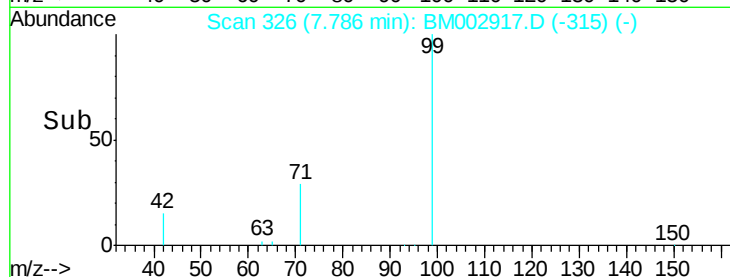
71 26.8 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002917.D (-315) (-)

Ion 42.00 (41.70 to 42.70): BM002917.D (-315) (-)

Ion 71.00 (70.70 to 71.70): BM002917.D (-315) (-)



#6

bis(2-Chloroethyl)ether

Concen: 1.01 ng

RT: 8.04 min Scan# 341

Delta R.T. -0.02 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

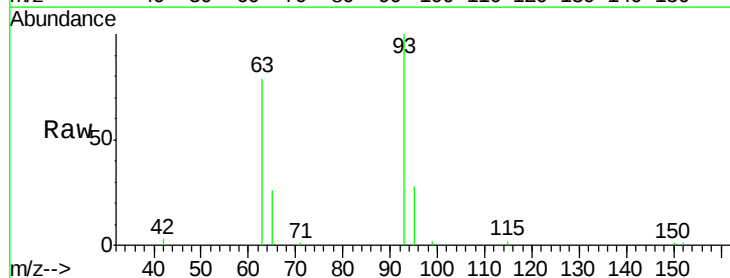
Tgt Ion: 93 Resp: 20414

Ion Ratio Lower Upper

93 100

63 66.7 52.9 79.3

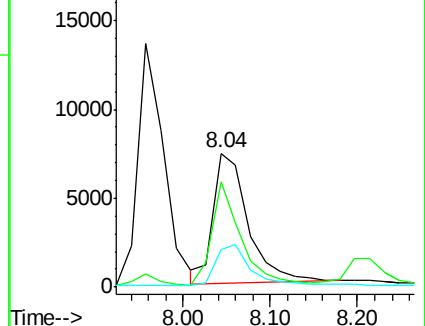
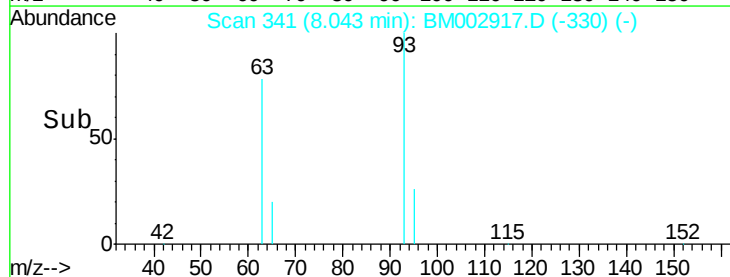
95 32.2 25.2 37.8

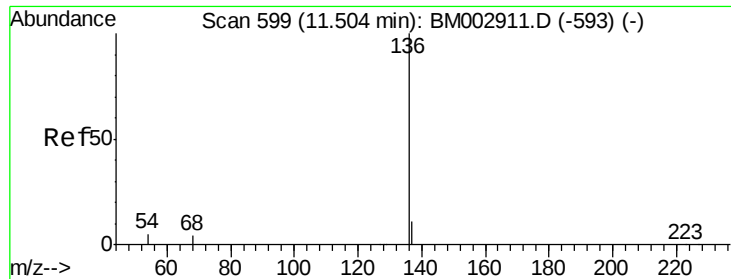


Abundance Ion 93.00 (92.70 to 93.70): BM002917.D (-330) (-)

Ion 63.00 (62.70 to 63.70): BM002917.D (-330) (-)

Ion 95.00 (94.70 to 95.70): BM002917.D (-330) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.51 min Scan# 600

Delta R.T. 0.00 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

Tot Ion:136 Resp: 367890

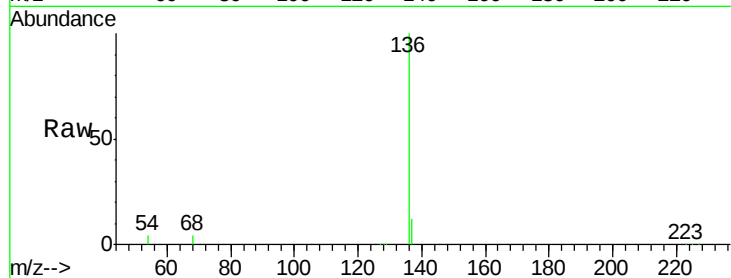
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 3.8 3.5 5.3

68 3.7 3.3 4.9

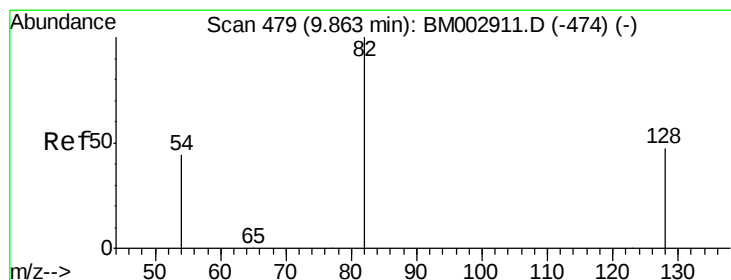
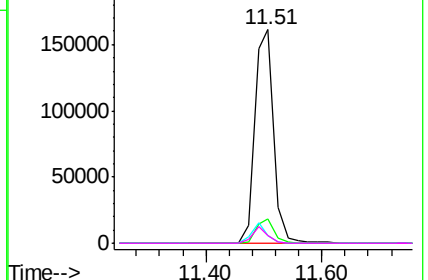
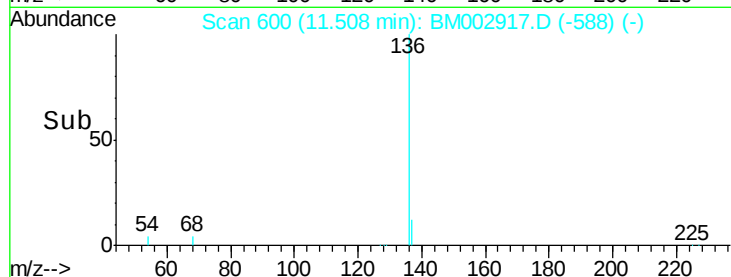


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.92 ng

RT: 9.87 min Scan# 480

Delta R.T. -0.02 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

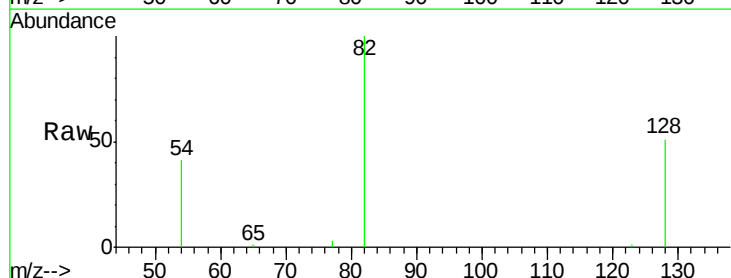
Tgt Ion: 82 Resp: 16300

Ion Ratio Lower Upper

82 100

128 50.8 34.1 51.1

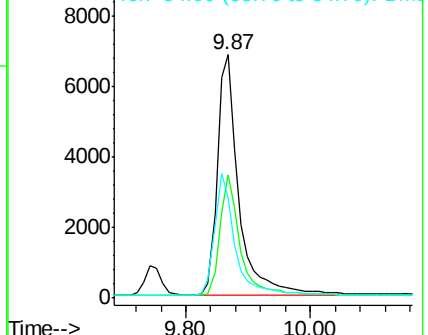
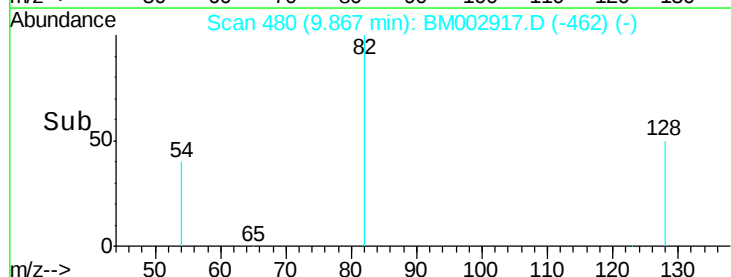
54 40.9 42.6 63.8#

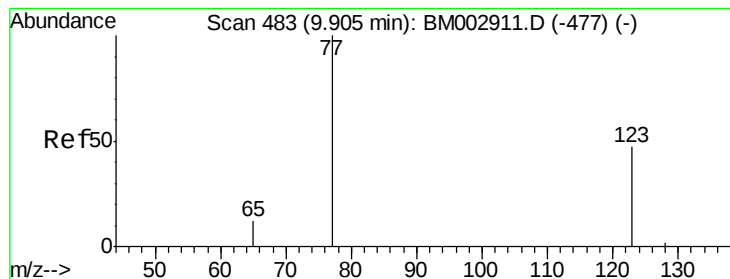


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.92 ng

RT: 9.91 min Scan# 484

Delta R.T. -0.02 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

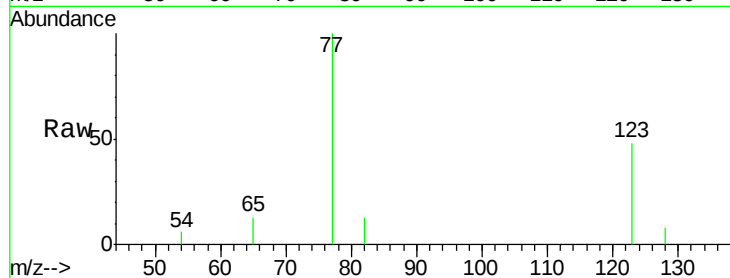
Tot Ion: 77 Resp: 17210

Ion Ratio Lower Upper

77 100

123 50.2 41.0 61.4

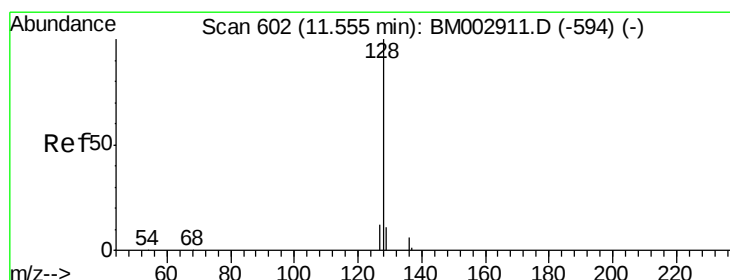
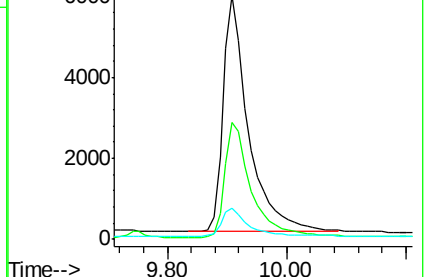
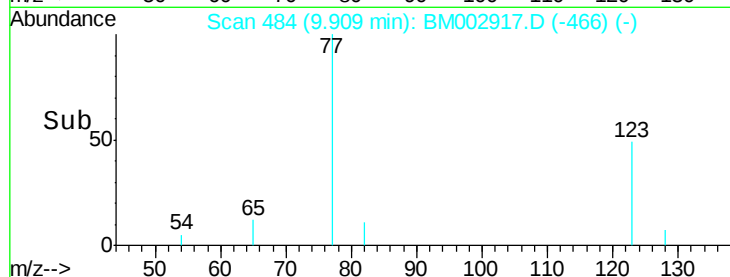
65 12.1 9.7 14.5



Abundance Ion 77.00 (76.70 to 77.70): BM002917.D (-466) (-)

Ion 123.00 (122.70 to 123.70): BM002917.D (-466) (-)

Ion 65.00 (64.70 to 65.70): BM002917.D (-466) (-)



#10

Naphthalene

Concen: 0.97 ng

RT: 11.56 min Scan# 603

Delta R.T. 0.00 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

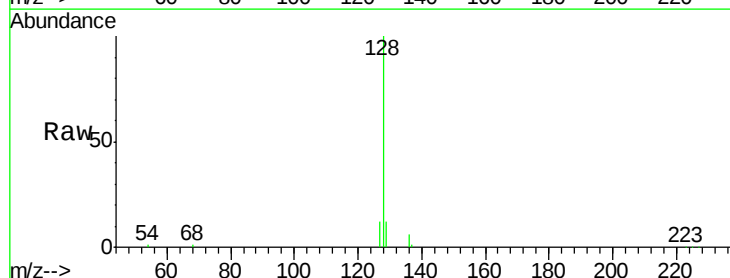
Tgt Ion: 128 Resp: 79053

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

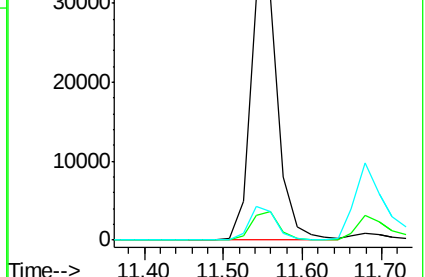
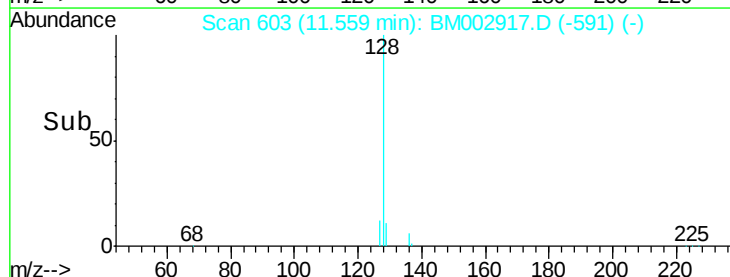
127 11.8 9.6 14.4

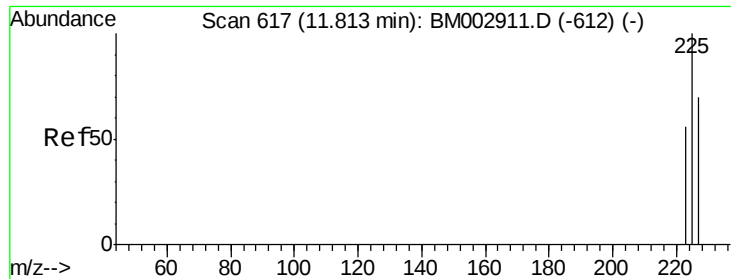


Abundance Ion 128.00 (127.70 to 128.70): BM002917.D (-591) (-)

Ion 129.00 (128.70 to 129.70): BM002917.D (-591) (-)

Ion 127.00 (126.70 to 127.70): BM002917.D (-591) (-)

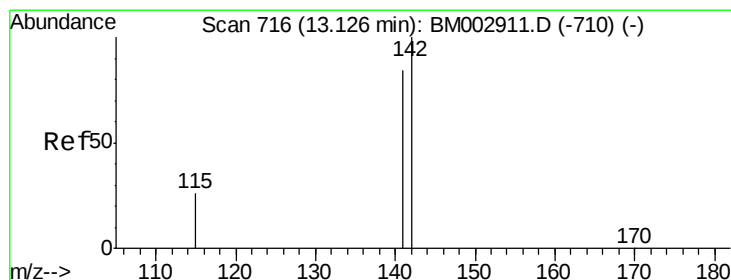
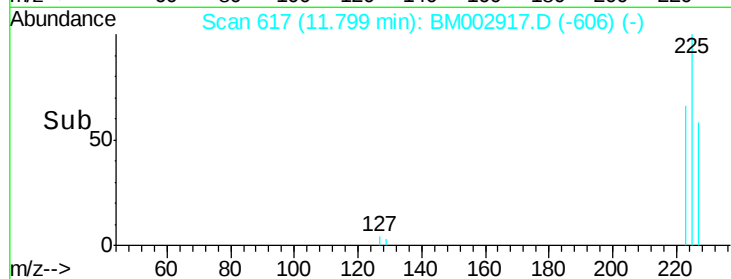
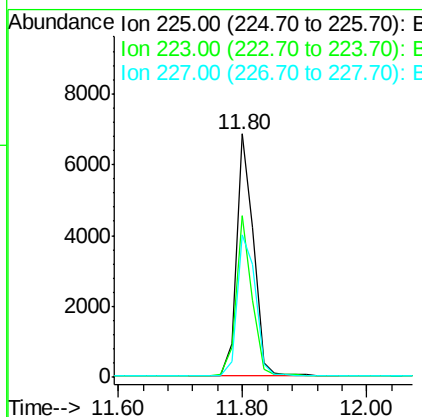
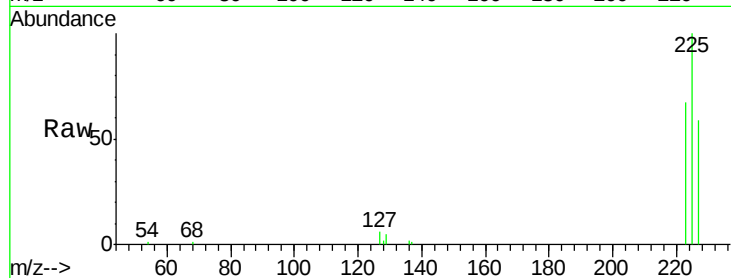




#11  
Hexachlorobutadiene  
Concen: 0.97 ng  
RT: 11.80 min Scan# 617  
Delta R.T. -0.01 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

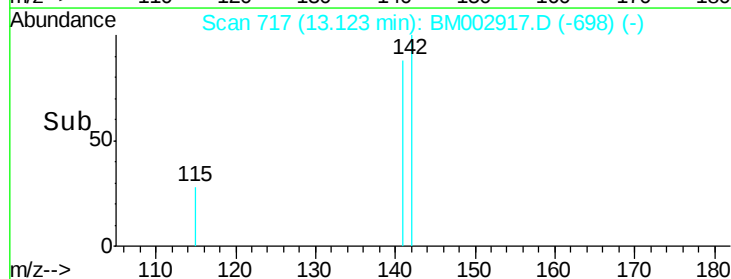
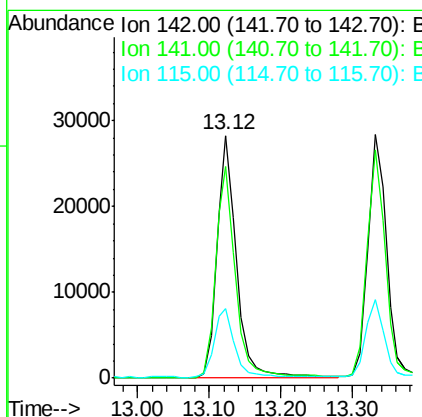
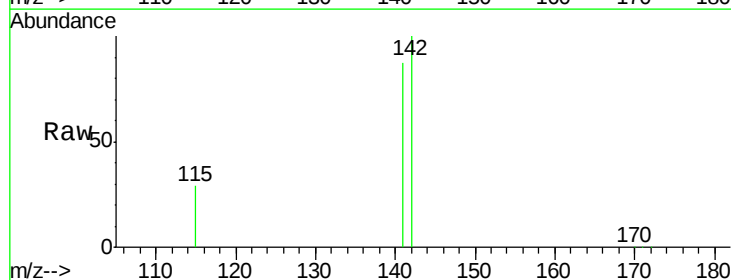
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

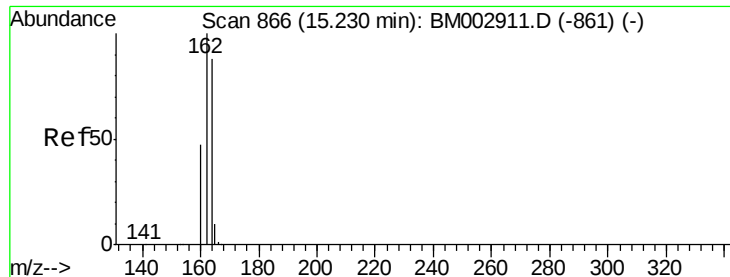
Tot Ion:225 Resp: 12844  
Ion Ratio Lower Upper  
225 100  
223 62.1 50.1 75.1  
227 63.7 51.2 76.8



#12  
2-Methylnaphthalene  
Concen: 0.97 ng  
RT: 13.12 min Scan# 717  
Delta R.T. -0.00 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Tgt Ion:142 Resp: 53291  
Ion Ratio Lower Upper  
142 100  
141 87.3 69.4 104.0  
115 28.6 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: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

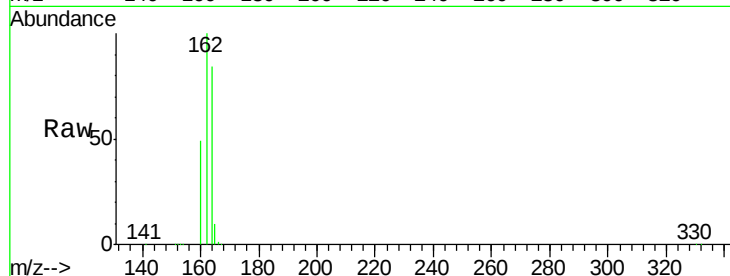
Tot Ion:164 Resp: 186373

Ion Ratio Lower Upper

164 100

162 118.6 79.6 119.4

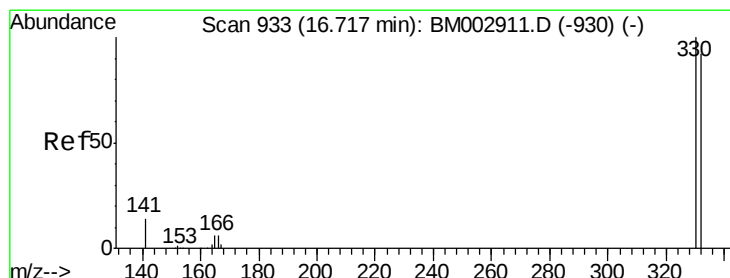
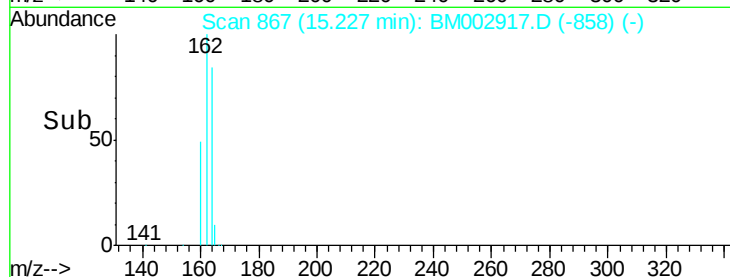
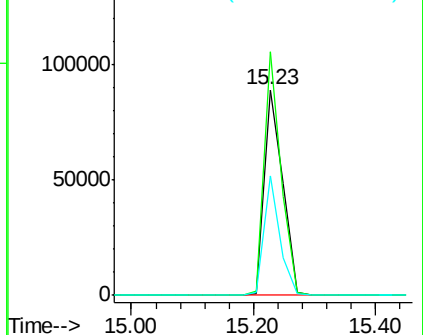
160 58.3 33.1 49.7#



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: 0.86 ng

RT: 16.71 min Scan# 934

Delta R.T. -0.00 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

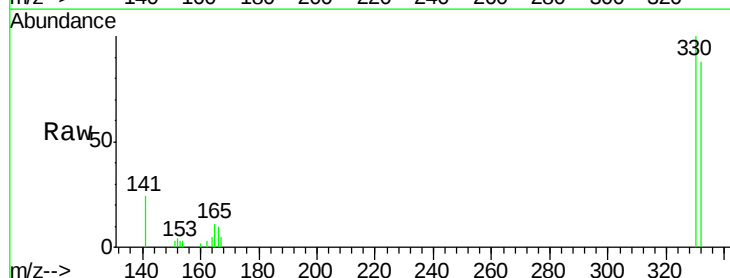
Tgt Ion:330 Resp: 5312

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

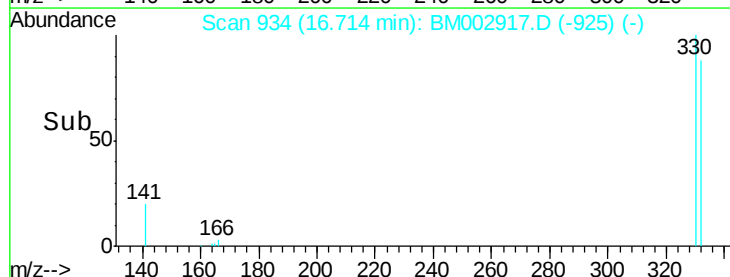
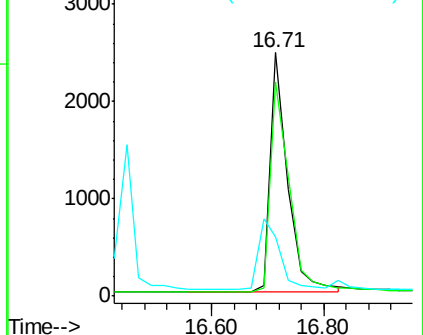
141 0.0 0.0 0.0

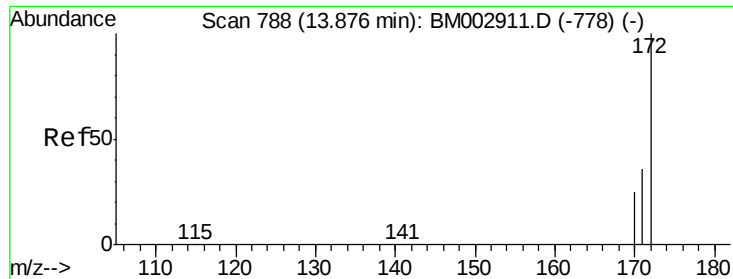


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

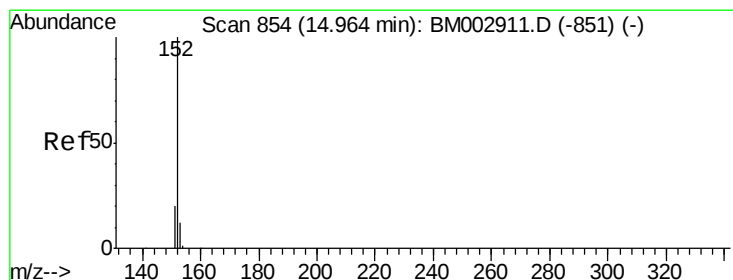
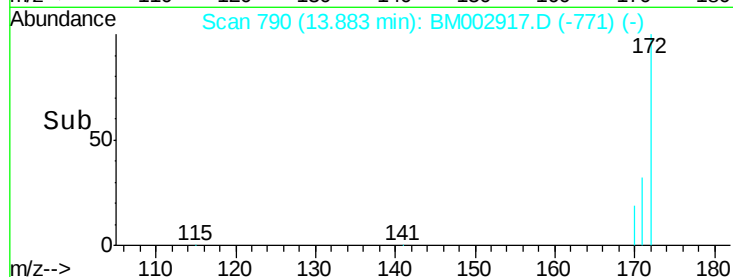
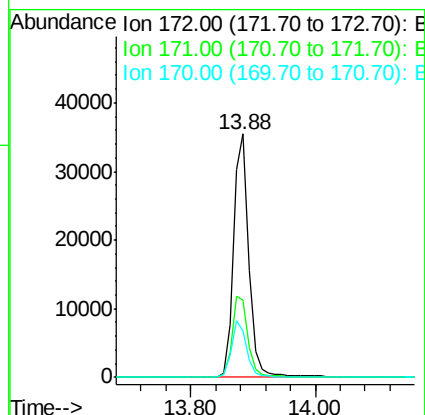
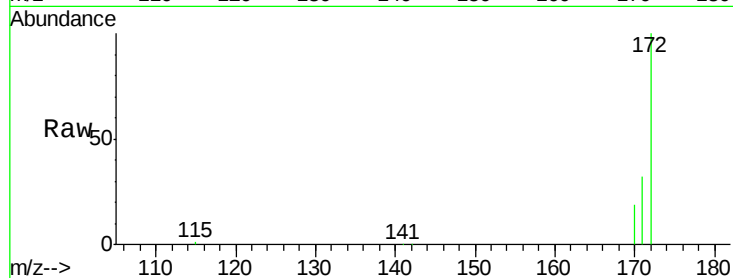




#15  
2-Fluorobiphenyl  
Concen: 1.02 ng  
RT: 13.88 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

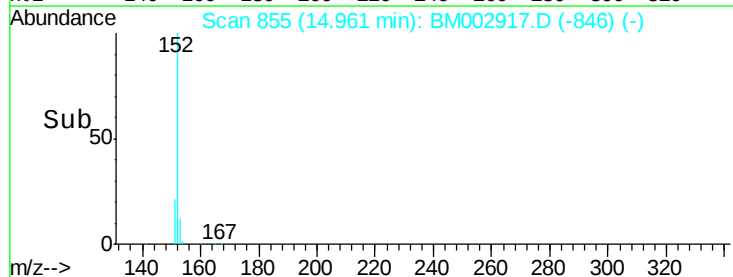
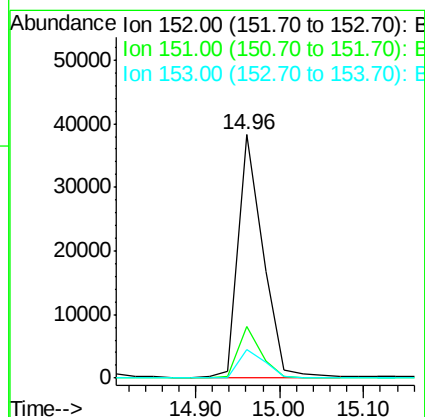
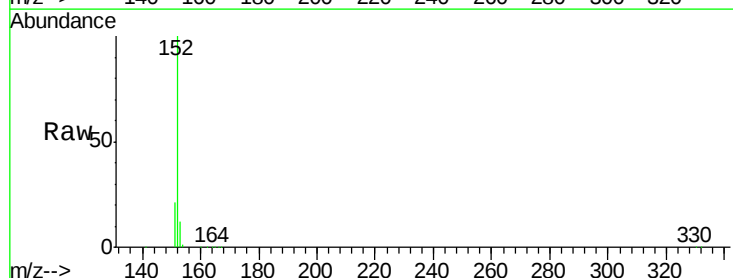
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

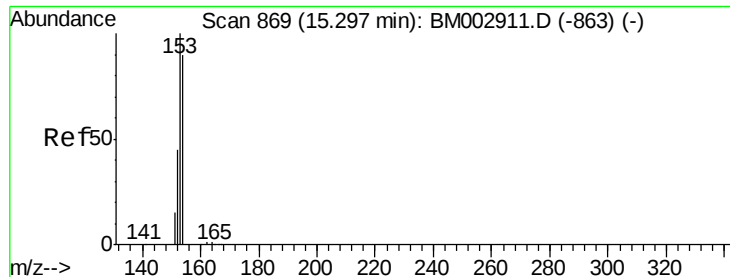
Tot Ion:172 Resp: 60603  
Ion Ratio Lower Upper  
172 100  
171 31.9 26.1 39.1  
170 18.9 15.7 23.5



#16  
Acenaphthylene  
Concen: 0.95 ng  
RT: 14.96 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Tgt Ion:152 Resp: 77722  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.3 22.9  
153 12.7 10.5 15.7

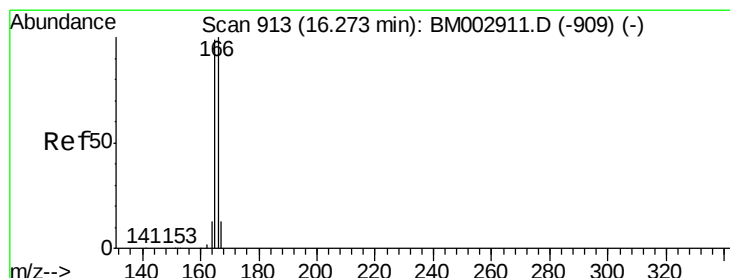
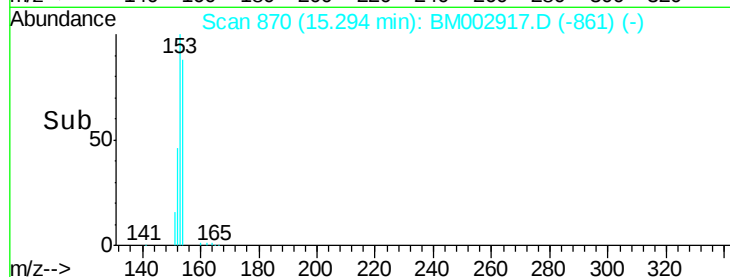
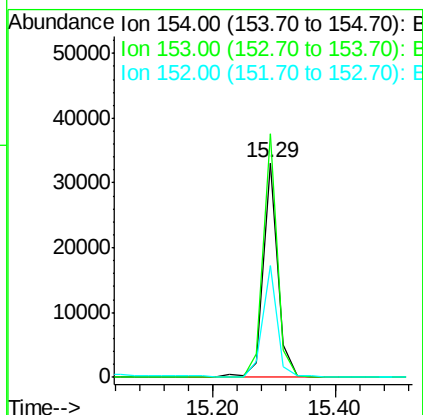
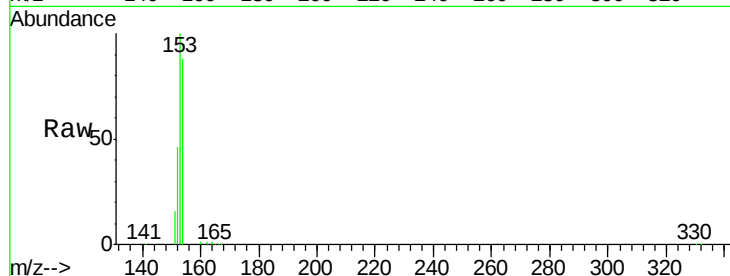




#17  
Acenaphthene  
Concen: 0.98 ng  
RT: 15.29 min Scan# 870  
Delta R.T. -0.00 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

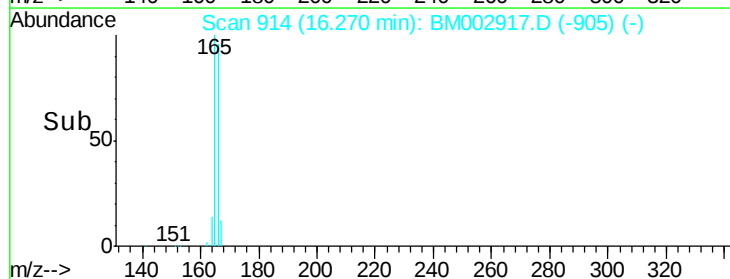
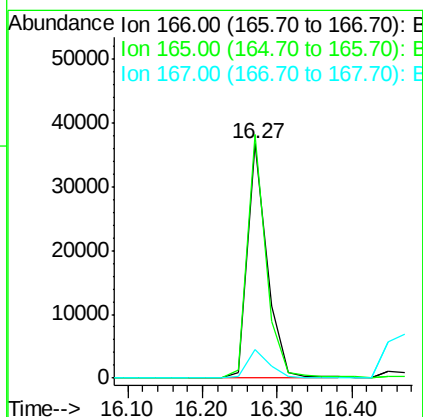
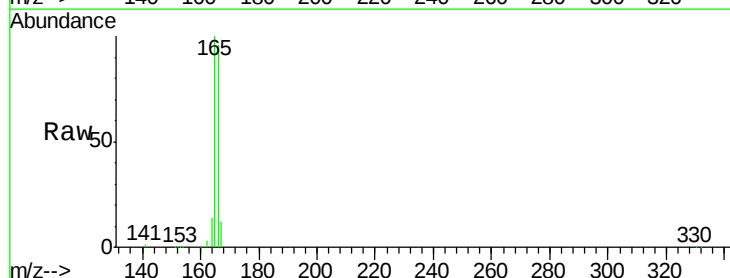
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

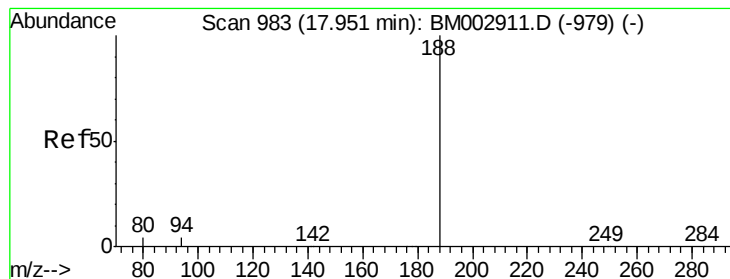
Tot Ion:154 Resp: 54580  
Ion Ratio Lower Upper  
154 100  
153 111.4 0.0 0.0#  
152 51.8 0.0 0.0#



#18  
Fluorene  
Concen: 1.00 ng  
RT: 16.27 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Tgt Ion:166 Resp: 66448  
Ion Ratio Lower Upper  
166 100  
165 98.6 77.3 115.9  
167 13.2 10.9 16.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 984

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

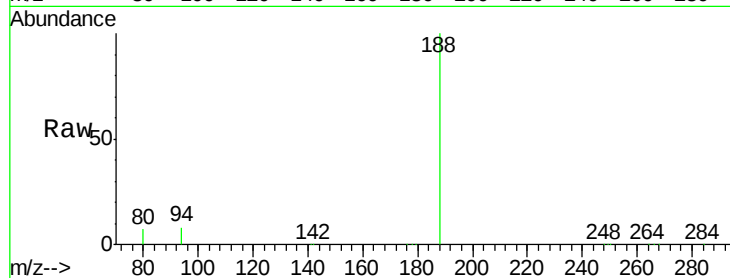
Tot Ion:188 Resp: 477028

Ion Ratio Lower Upper

188 100

94 8.0 15.2 22.8#

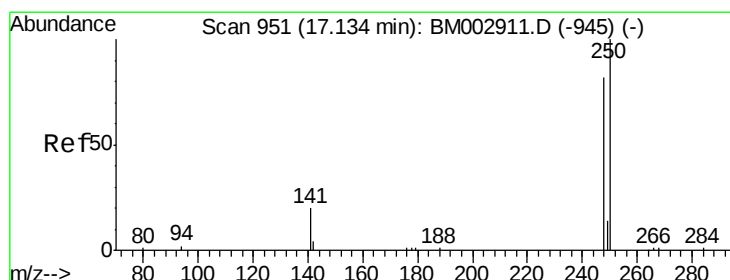
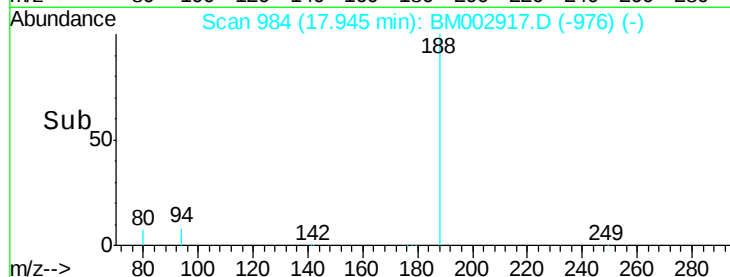
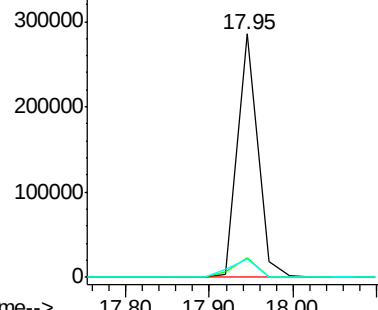
80 7.3 15.9 23.9#



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: 1.04 ng

RT: 17.13 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

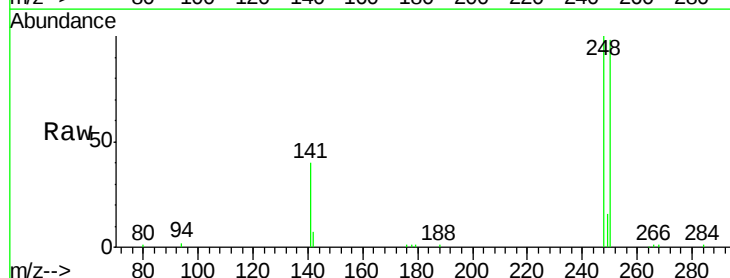
Tgt Ion:248 Resp: 20510

Ion Ratio Lower Upper

248 100

250 99.8 71.4 107.2

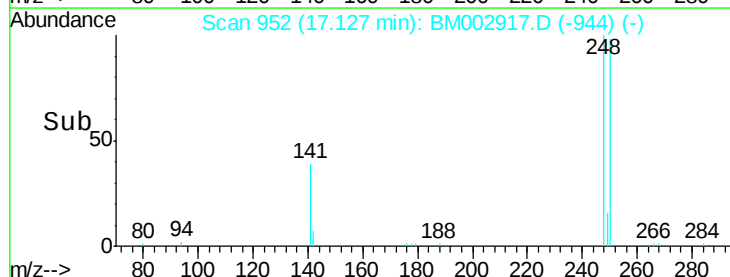
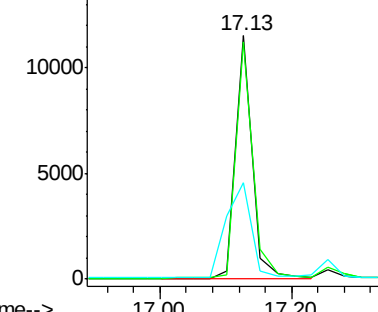
141 59.0 54.6 82.0

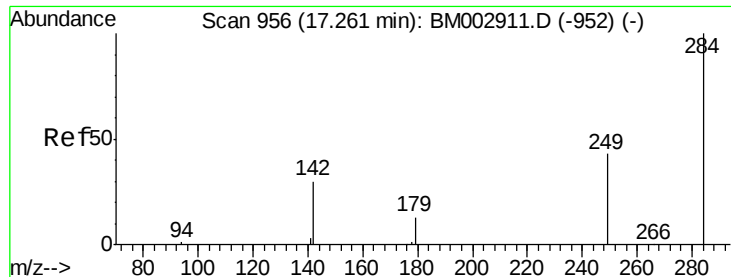


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

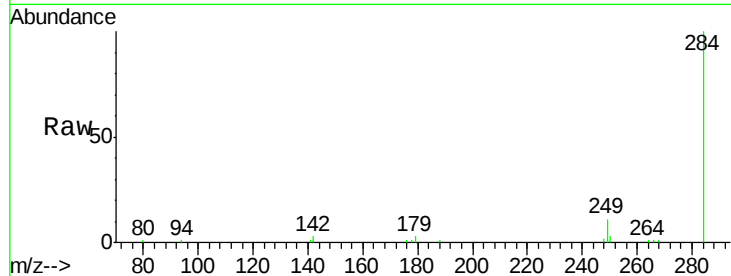




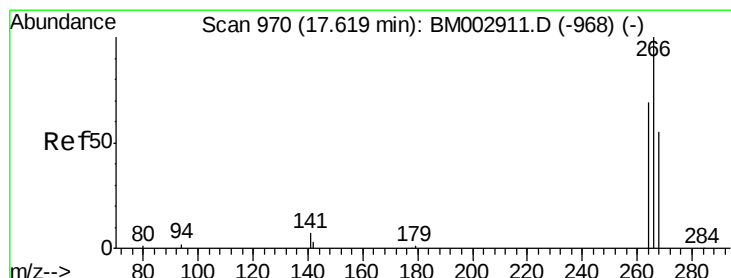
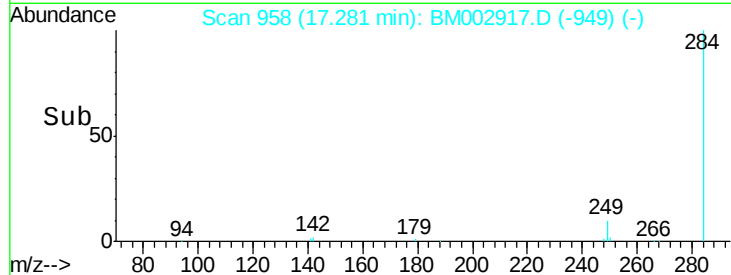
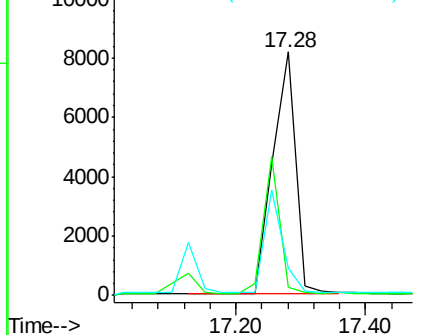
#21  
Hexachlorobenzene  
Concen: 1.06 ng  
RT: 17.28 min Scan# 958  
Delta R.T. 0.02 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

Tot Ion:284 Resp: 19746  
Ion Ratio Lower Upper  
284 100  
142 0.0 0.0 0.0  
249 0.0 20.7 31.1#

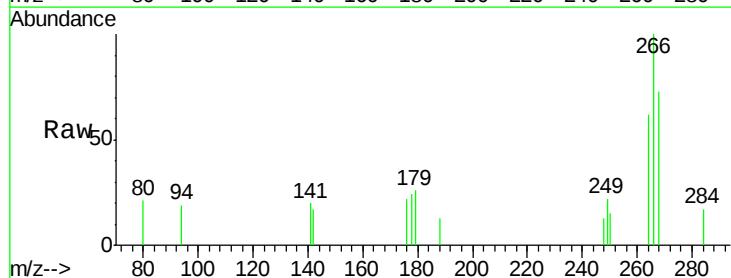


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

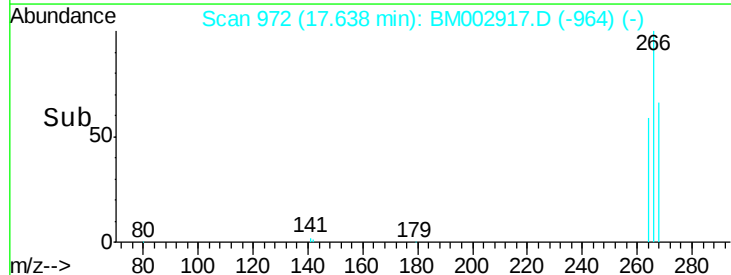
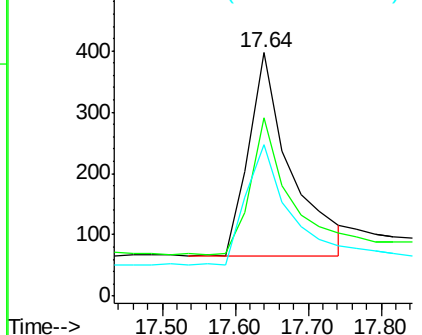


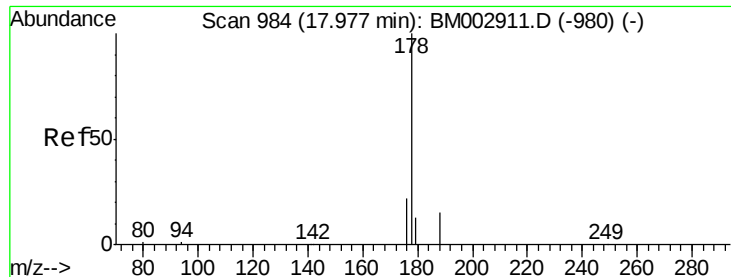
#22  
Pentachlorophenol  
Concen: 0.82 ng  
RT: 17.64 min Scan# 972  
Delta R.T. -0.01 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Tgt Ion:266 Resp: 1331  
Ion Ratio Lower Upper  
266 100  
268 73.3 58.3 87.5  
264 62.0 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: 0.89 ng

RT: 18.00 min Scan# 986

Delta R.T. 0.02 min

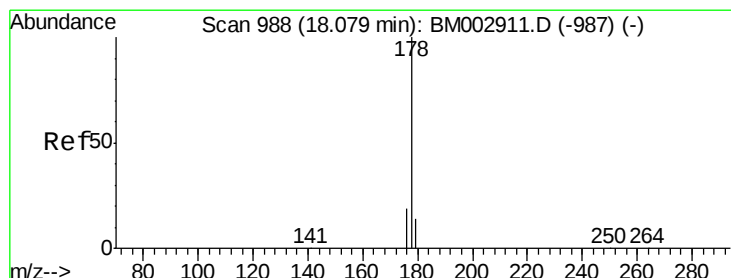
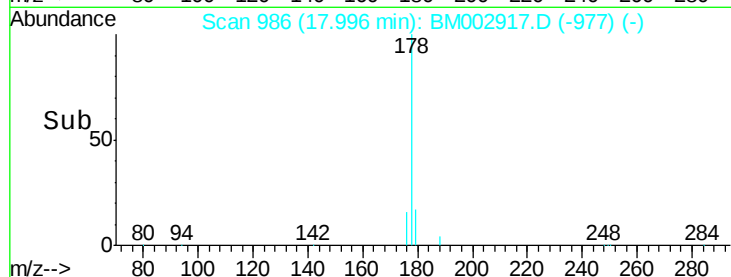
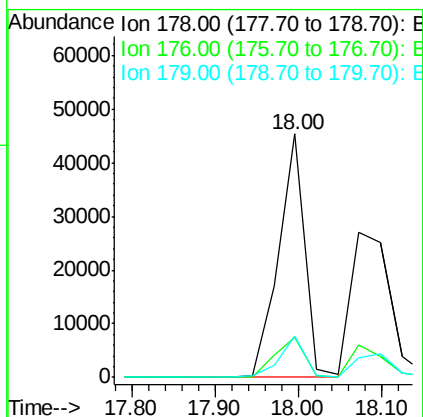
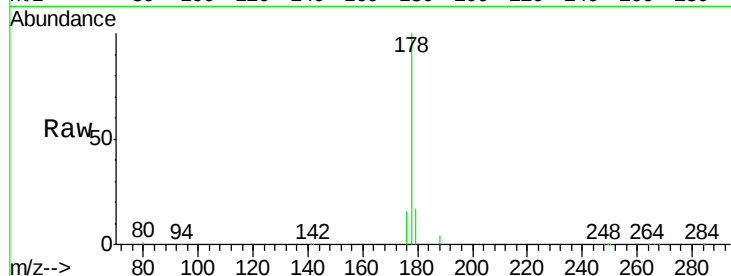
Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

Tot Ion:178 Resp: 98569

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.2  | 14.6  | 21.8  |
| 179 | 15.8  | 12.5  | 18.7  |



#24

Anthracene

Concen: 0.93 ng

RT: 18.00 min Scan# 986

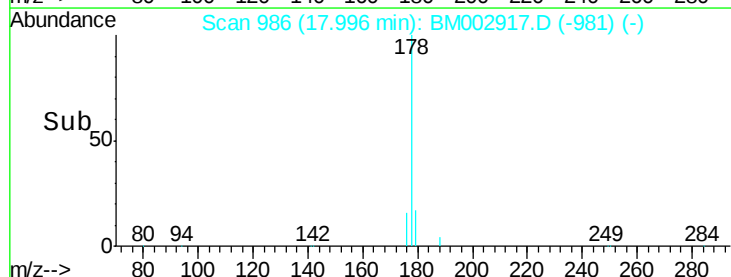
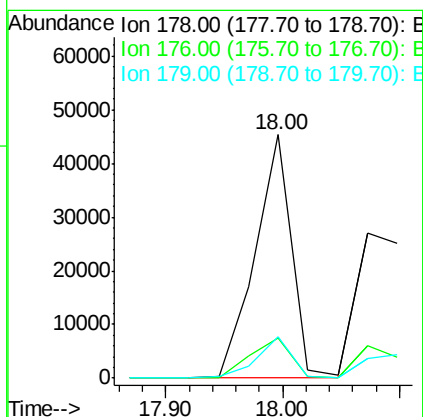
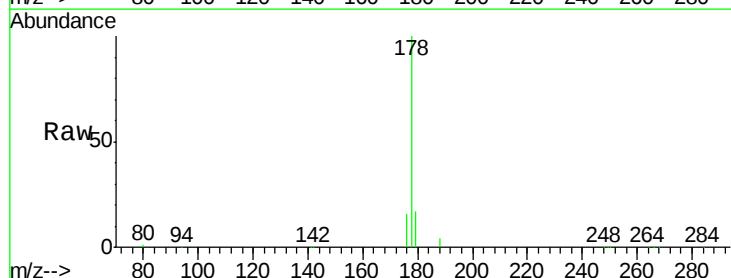
Delta R.T. -0.08 min

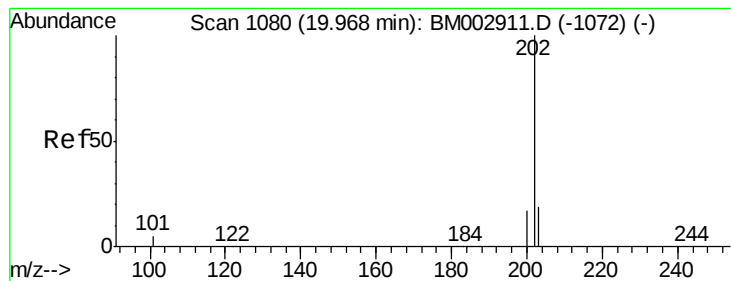
Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Tgt Ion:178 Resp: 98522

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.2  | 13.9  | 20.9  |
| 179 | 15.8  | 12.6  | 18.8  |





#25

Fluoranthene

Concen: 0.90 ng

RT: 19.96 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

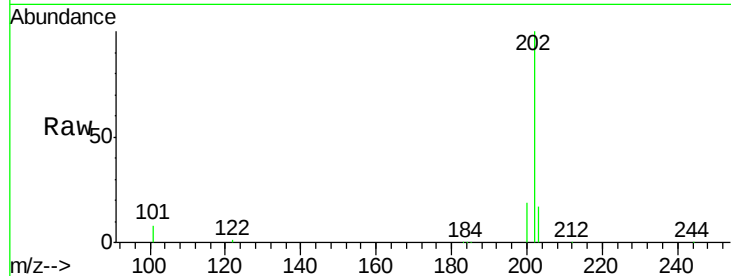
Tot Ion:202 Resp: 110736

Ion Ratio Lower Upper

202 100

101 13.6 11.0 16.6

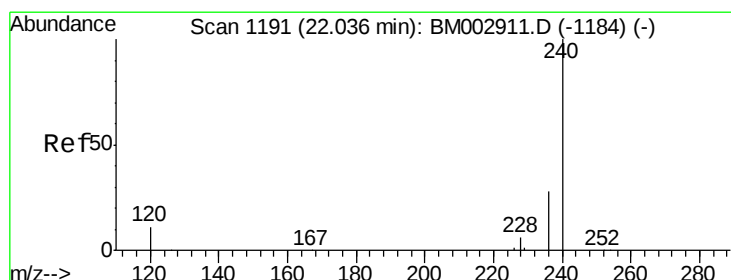
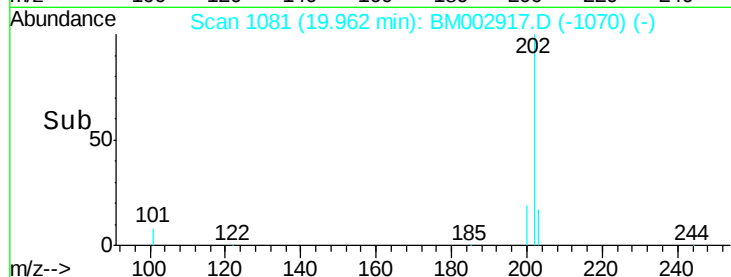
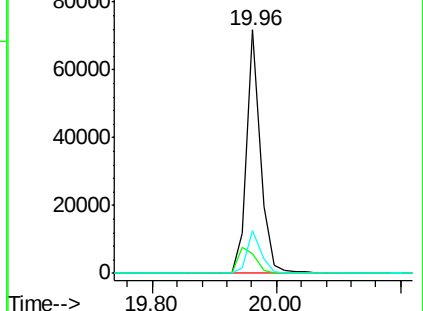
203 17.5 13.8 20.6



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. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

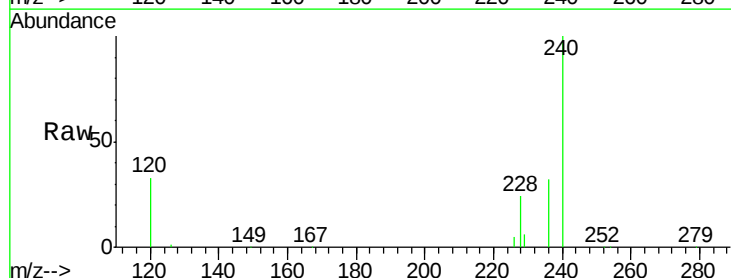
Tgt Ion:240 Resp: 374825

Ion Ratio Lower Upper

240 100

120 32.6 3.3 4.9#

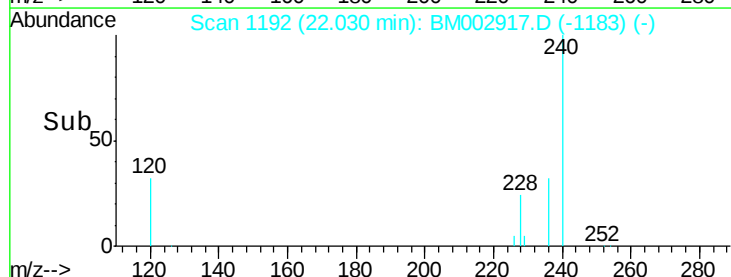
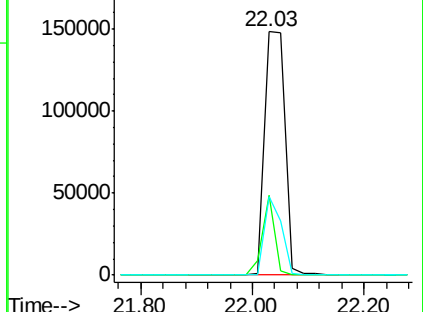
236 32.1 19.5 29.3#

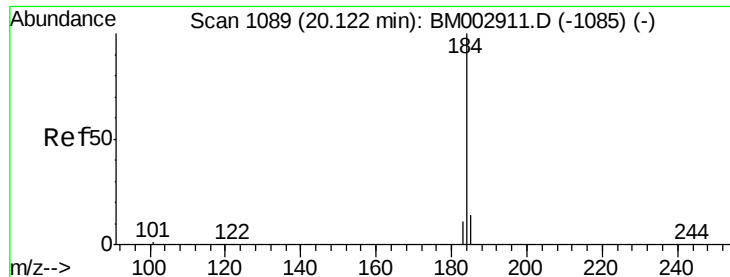


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.84 ng

RT: 20.12 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

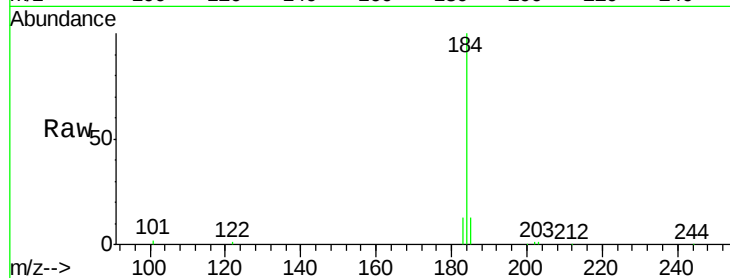
Tot Ion:184 Resp: 39133

Ion Ratio Lower Upper

184 100

185 13.3 12.0 18.0

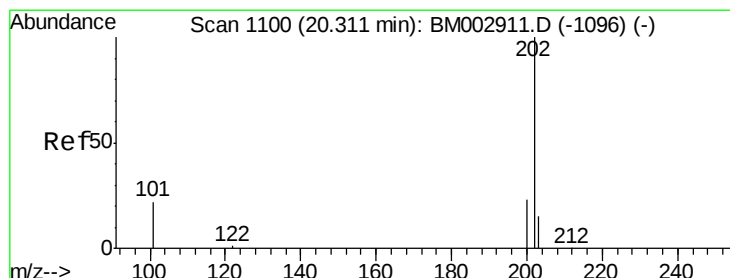
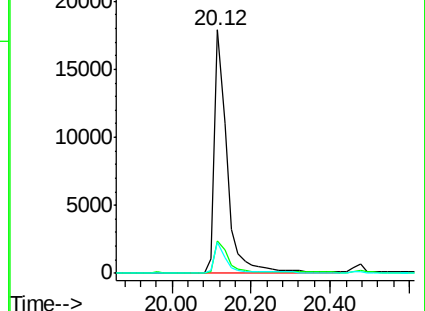
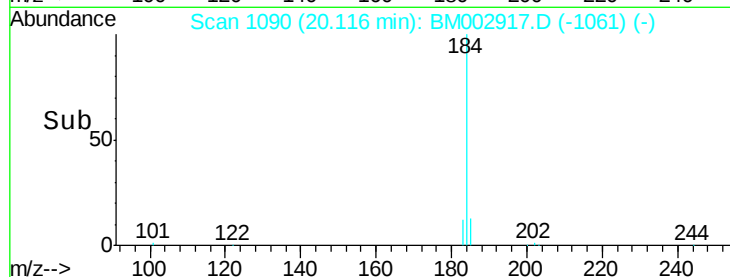
183 12.6 8.9 13.3



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: 1.03 ng

RT: 20.32 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

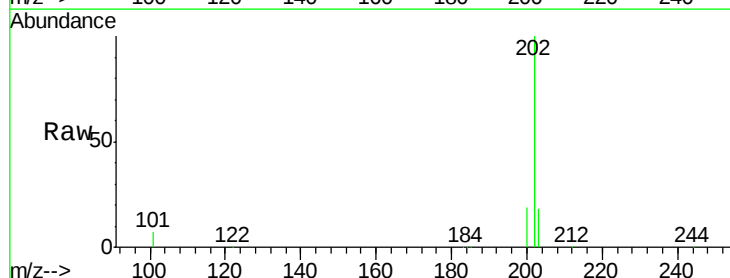
Tgt Ion:202 Resp: 113891

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.4

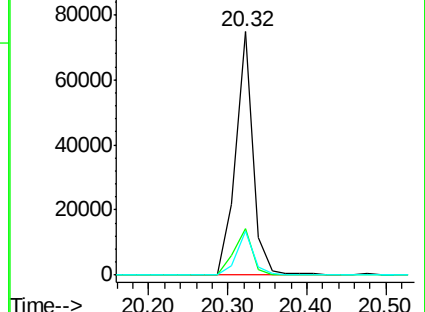
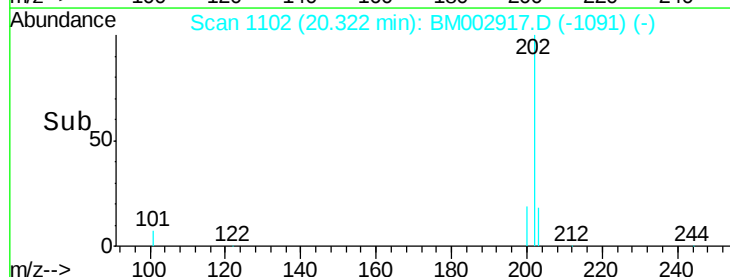
203 17.4 13.8 20.8

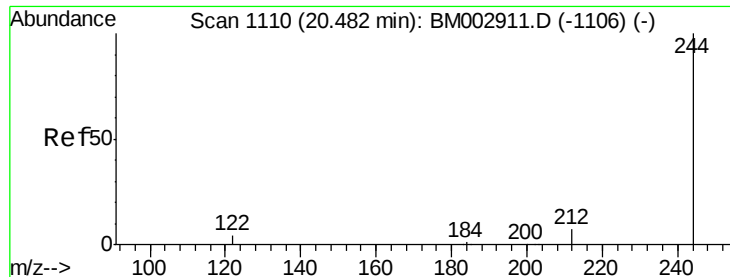


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.05 ng

RT: 20.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

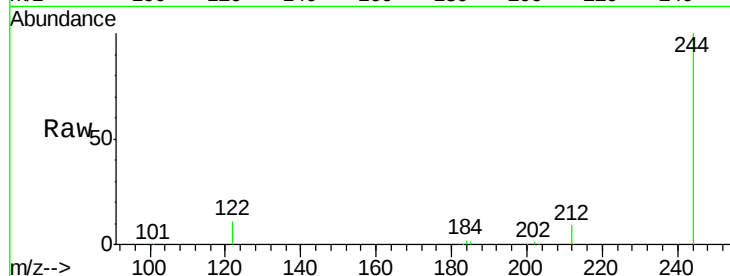
Tot Ion:244 Resp: 59034

Ion Ratio Lower Upper

244 100

212 8.8 5.6 8.4#

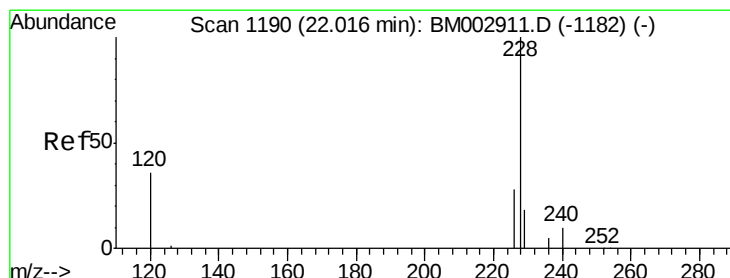
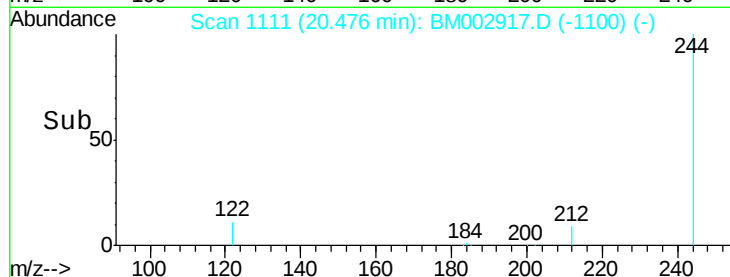
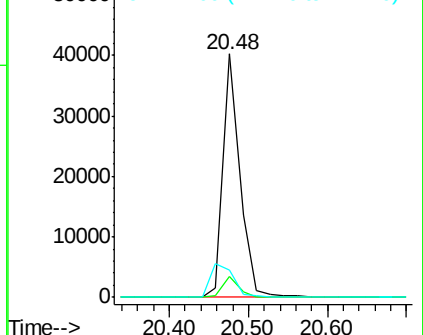
122 11.0 2.2 3.2#



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: 0.93 ng

RT: 22.01 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

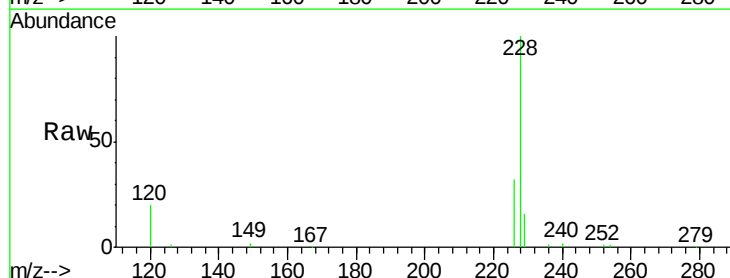
Tgt Ion:228 Resp: 101191

Ion Ratio Lower Upper

228 100

226 31.5 19.0 28.6#

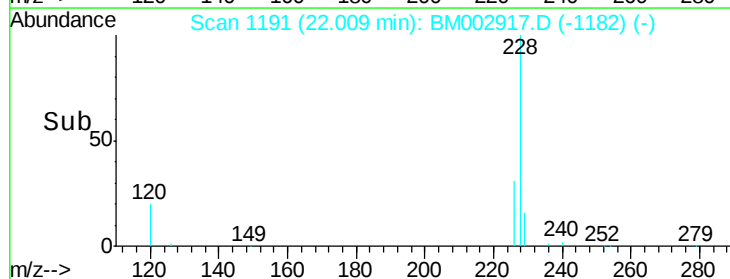
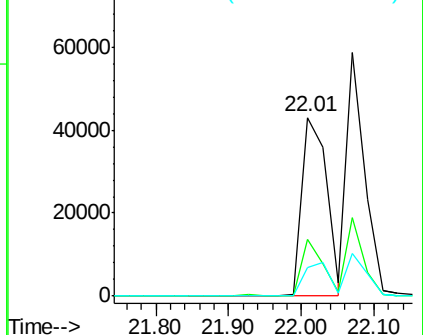
229 16.2 16.8 25.2#

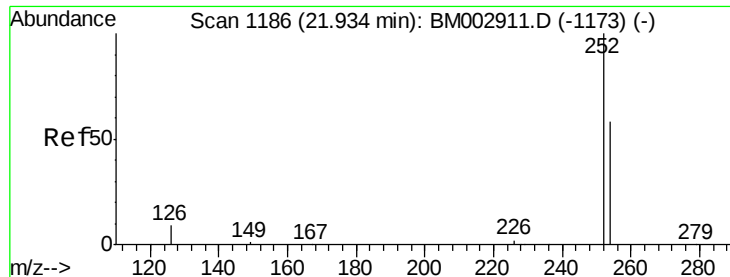


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

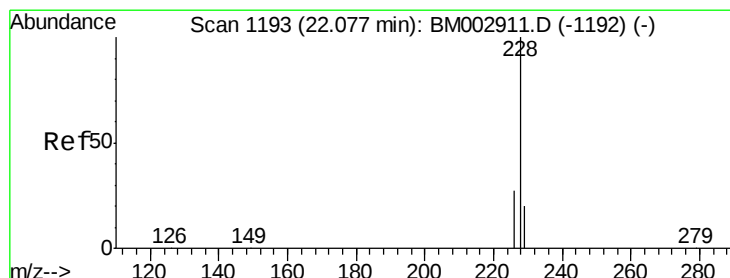
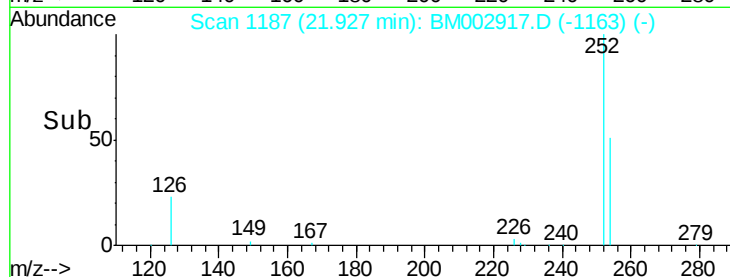
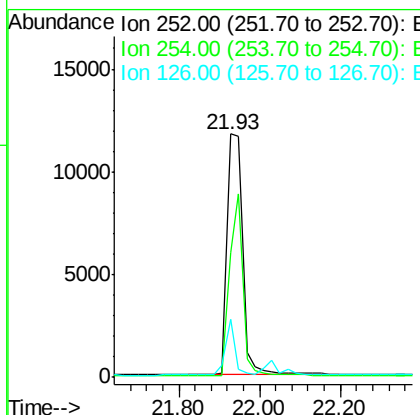
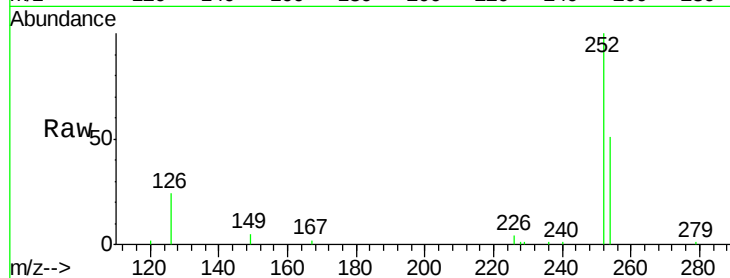




#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.86 ng  
 RT: 21.93 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BM002917.D  
 Acq: 15 Oct 2015 16:54

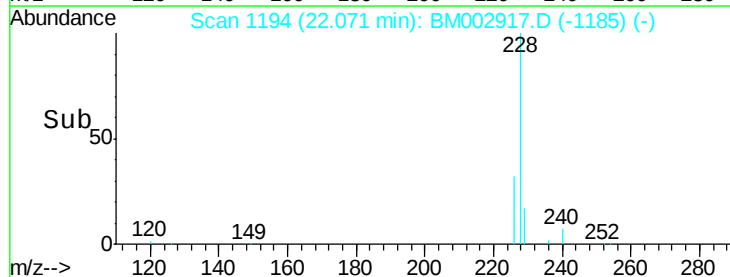
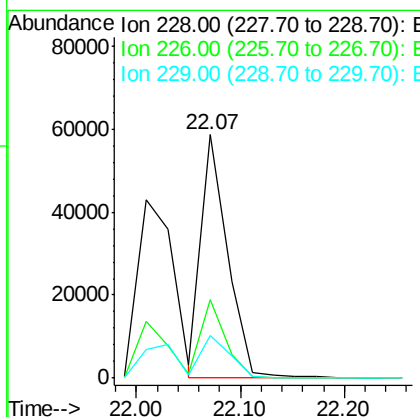
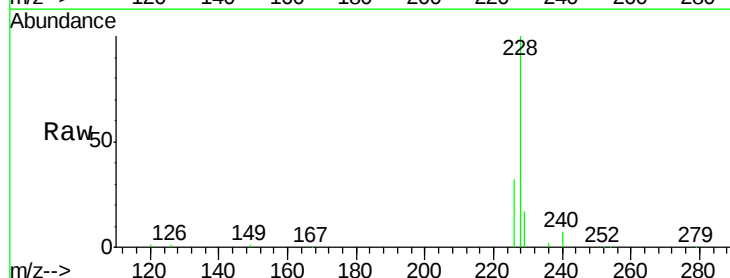
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

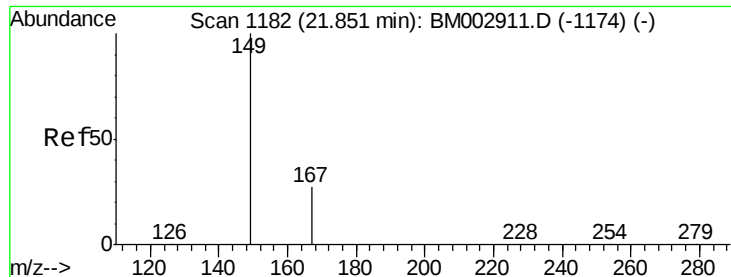
Tot Ion:252 Resp: 31622  
 Ion Ratio Lower Upper  
 252 100  
 254 51.3 54.1 81.1#  
 126 23.7 4.1 6.1#



#32  
 Chrysene  
 Concen: 1.01 ng  
 RT: 22.07 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BM002917.D  
 Acq: 15 Oct 2015 16:54

Tgt Ion:228 Resp: 102739  
 Ion Ratio Lower Upper  
 228 100  
 226 32.1 20.6 30.8#  
 229 17.5 17.4 26.2

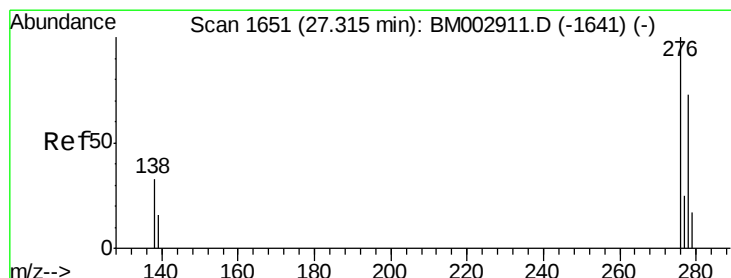
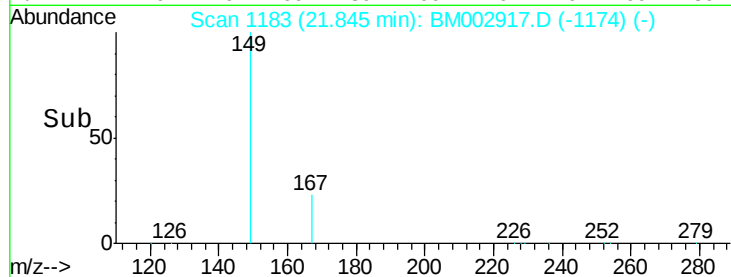
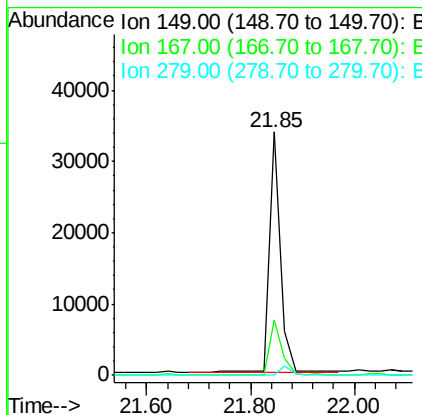
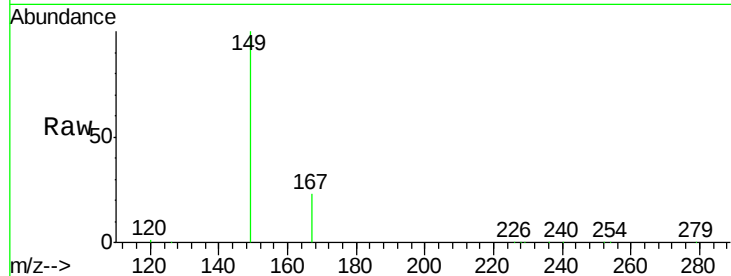




#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.86 ng  
 RT: 21.85 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BM002917.D  
 Acq: 15 Oct 2015 16:54

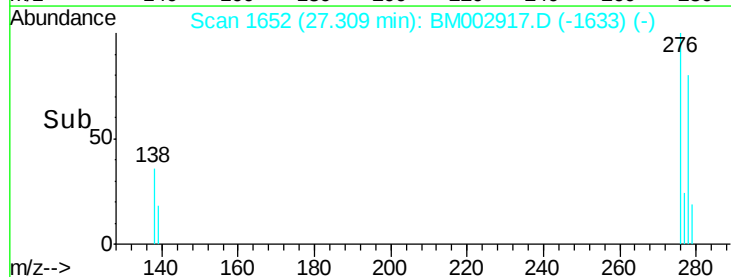
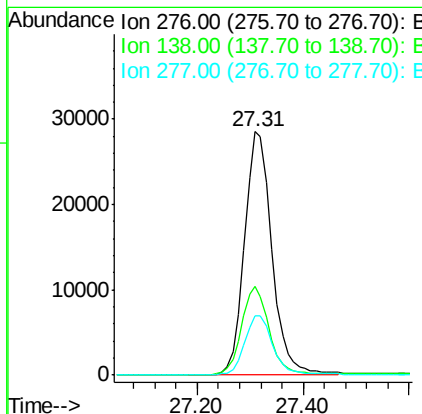
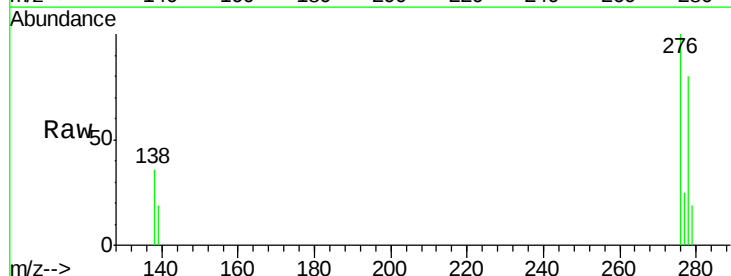
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

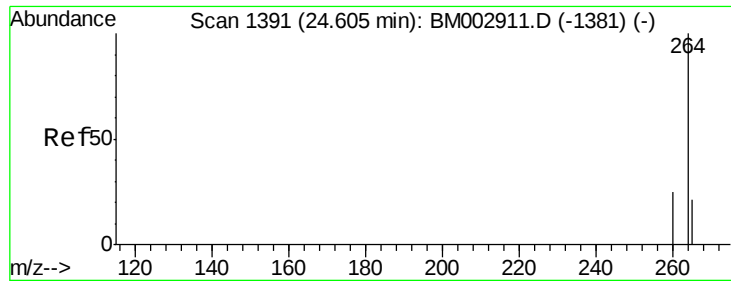
Tot Ion:149 Resp: 49525  
 Ion Ratio Lower Upper  
 149 100  
 167 25.0 17.2 25.8  
 279 0.0 2.2 3.4#



#34  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.98 ng  
 RT: 27.31 min Scan# 1652  
 Delta R.T. -0.01 min  
 Lab File: BM002917.D  
 Acq: 15 Oct 2015 16:54

Tgt Ion:276 Resp: 101708  
 Ion Ratio Lower Upper  
 276 100  
 138 36.0 29.0 43.6  
 277 24.7 19.8 29.8

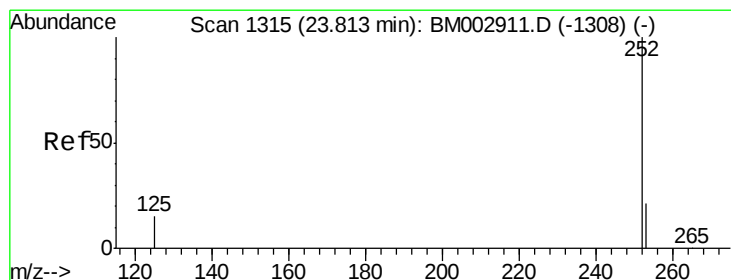
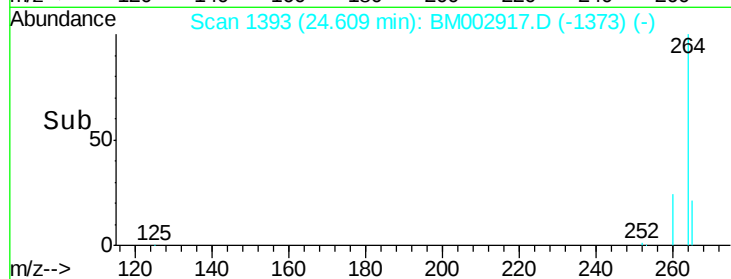
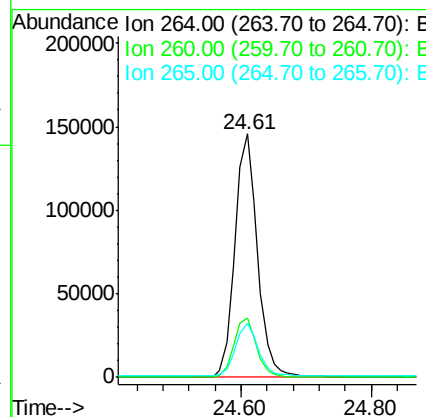
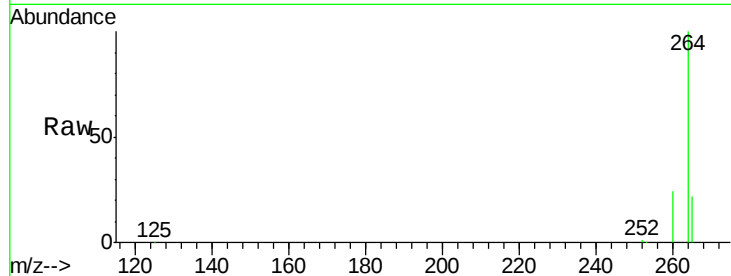




#35  
 Pervlene-d12  
 Concen: 5.00 ng  
 RT: 24.61 min Scan# 1393  
 Delta R.T. 0.00 min  
 Lab File: BM002917.D  
 Acq: 15 Oct 2015 16:54

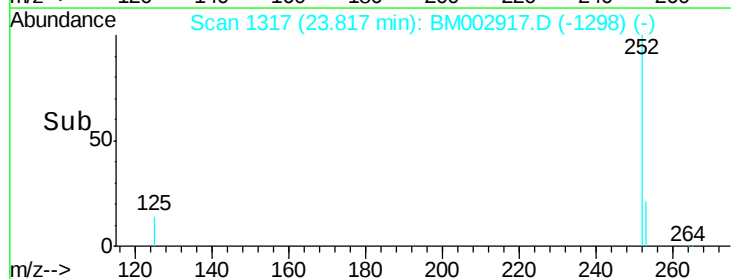
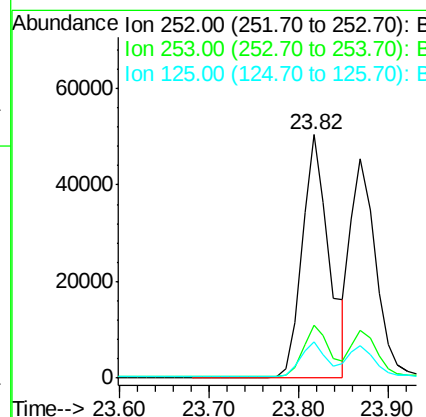
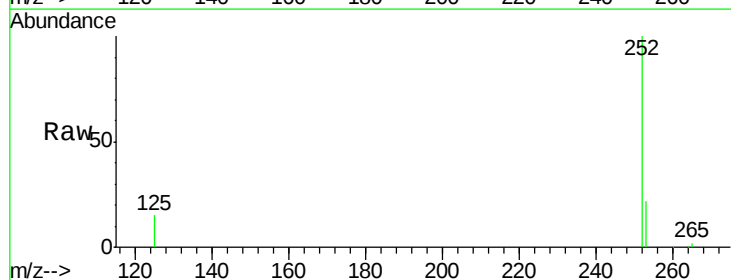
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

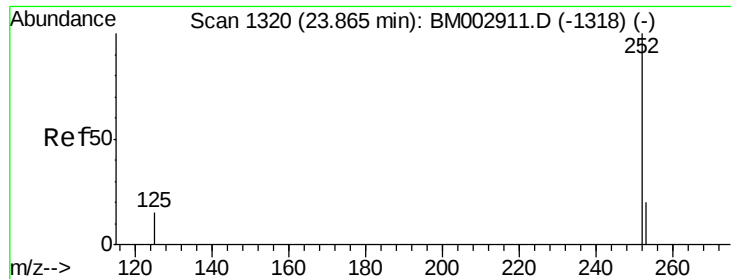
Tot Ion:264 Resp: 348168  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 20.1 30.1  
 265 22.1 17.6 26.4



#36  
 Benzo(b)fluoranthene  
 Concen: 1.04 ng  
 RT: 23.82 min Scan# 1317  
 Delta R.T. -0.01 min  
 Lab File: BM002917.D  
 Acq: 15 Oct 2015 16:54

Tgt Ion:252 Resp: 103952  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 17.5 26.3  
 125 14.7 12.4 18.6

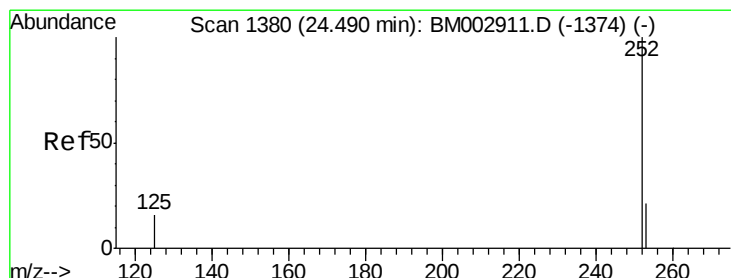
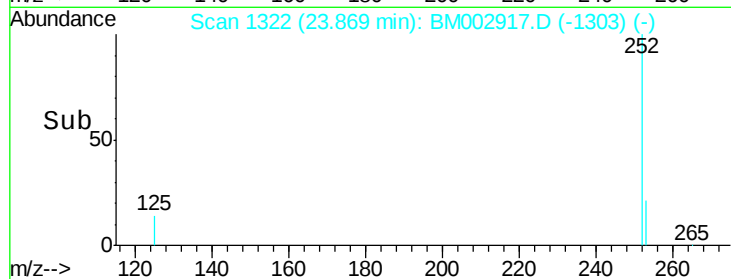
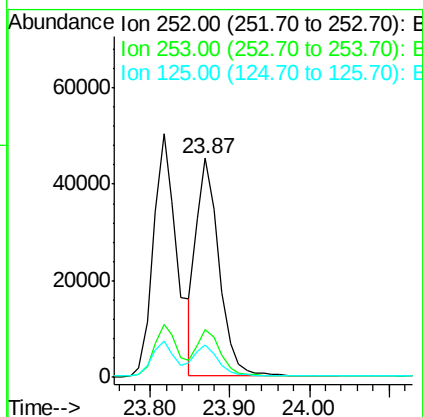
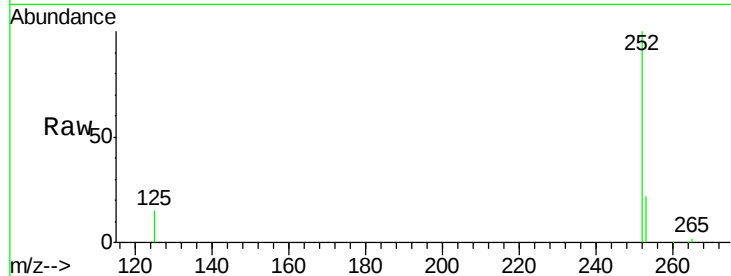




#37  
Benzo(k)fluoranthene  
Concen: 0.91 ng  
RT: 23.87 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

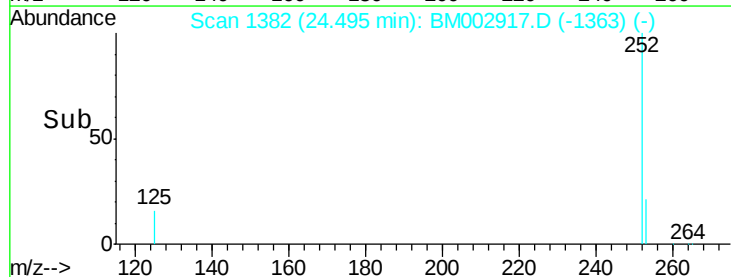
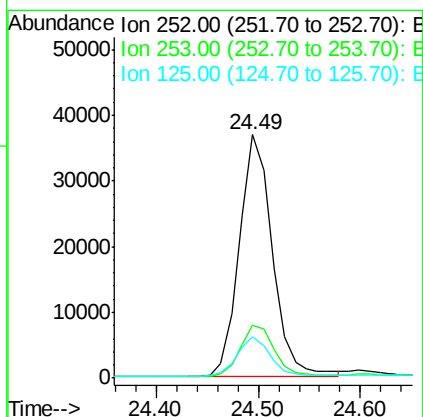
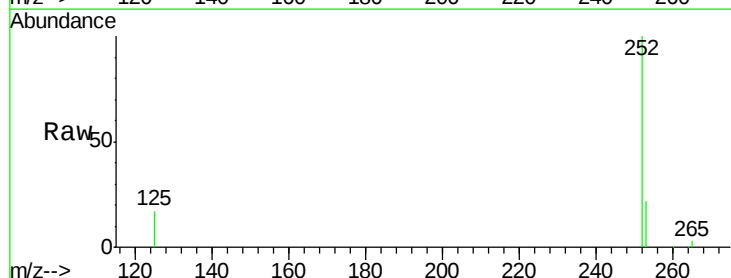
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

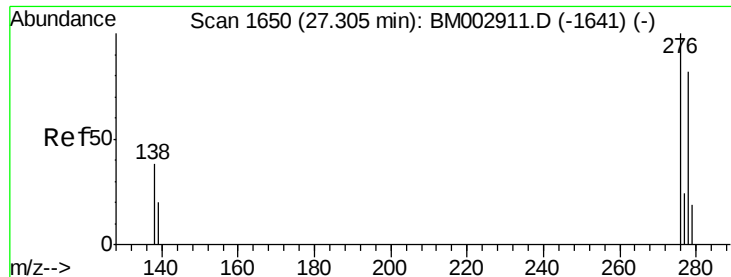
Tot Ion:252 Resp: 88894  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 14.8 12.3 18.5



#38  
Benzo(a)pyrene  
Concen: 0.94 ng  
RT: 24.49 min Scan# 1382  
Delta R.T. -0.01 min  
Lab File: BM002917.D  
Acq: 15 Oct 2015 16:54

Tgt Ion:252 Resp: 83311  
Ion Ratio Lower Upper  
252 100  
253 21.8 18.4 27.6  
125 16.8 13.3 19.9





#39

Dibenzo(a,h)anthracene

Concen: 0.96 ng

RT: 27.31 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001EC

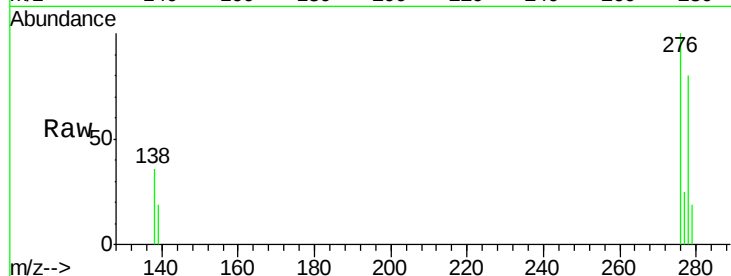
Tot Ion:278 Resp: 81381

Ion Ratio Lower Upper

278 100

139 23.2 19.8 29.6

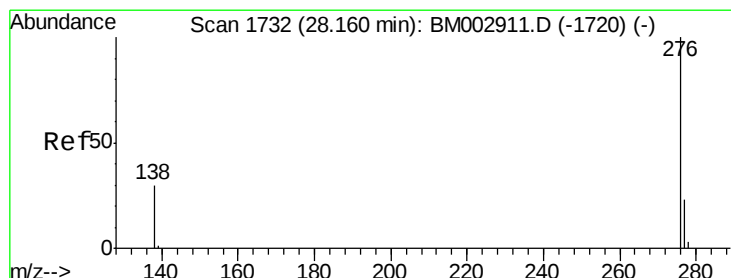
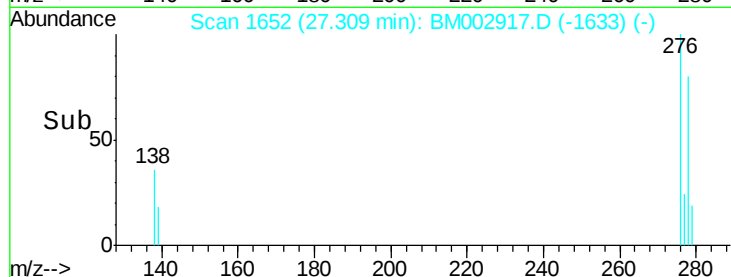
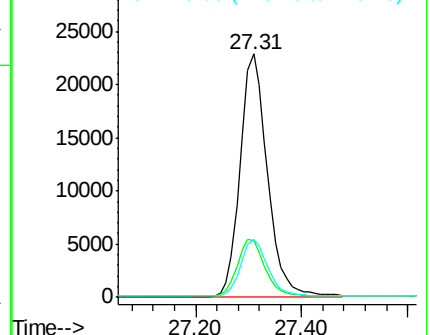
279 24.0 19.1 28.7



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: 0.97 ng

RT: 28.16 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BM002917.D

Acq: 15 Oct 2015 16:54

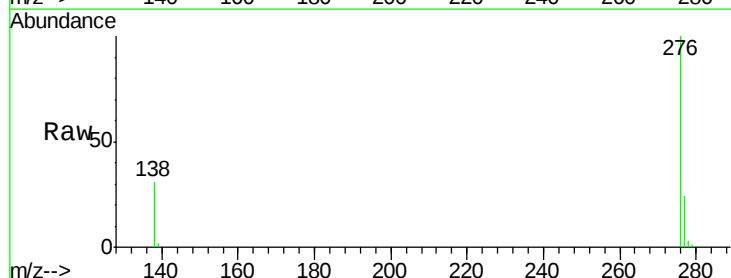
Tgt Ion:276 Resp: 86001

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 30.7 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

