

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060615\  
 Data File : BM001578.D  
 Acq On : 06 Jun 2015 05:06  
 Operator : TP/IZ  
 Sample : SSTDICV001  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ICVBM060615

Quant Time: Jun 08 05:35:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 08 05:27:25 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 27107    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.47 | 136  | 96358    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.35 | 164  | 44829    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.09 | 188  | 61652    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.28 | 240  | 71894    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.51 | 264  | 63077    | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.27  | 112 | 5803  | 0.97 | ng | 0.00 |
| 5) Phenol-d6                | 6.84  | 99  | 7123  | 0.97 | ng | 0.00 |
| 7) Nitrobenzene-d5          | 8.85  | 82  | 6248  | 0.95 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol    | 15.83 | 330 | 1901  | 0.94 | ng | 0.00 |
| 14) 2-Fluorobiphenyl        | 12.96 | 172 | 13456 | 0.97 | ng | 0.00 |
| 27) Terphenyl-d14           | 19.72 | 244 | 8505  | 0.92 | ng | 0.00 |

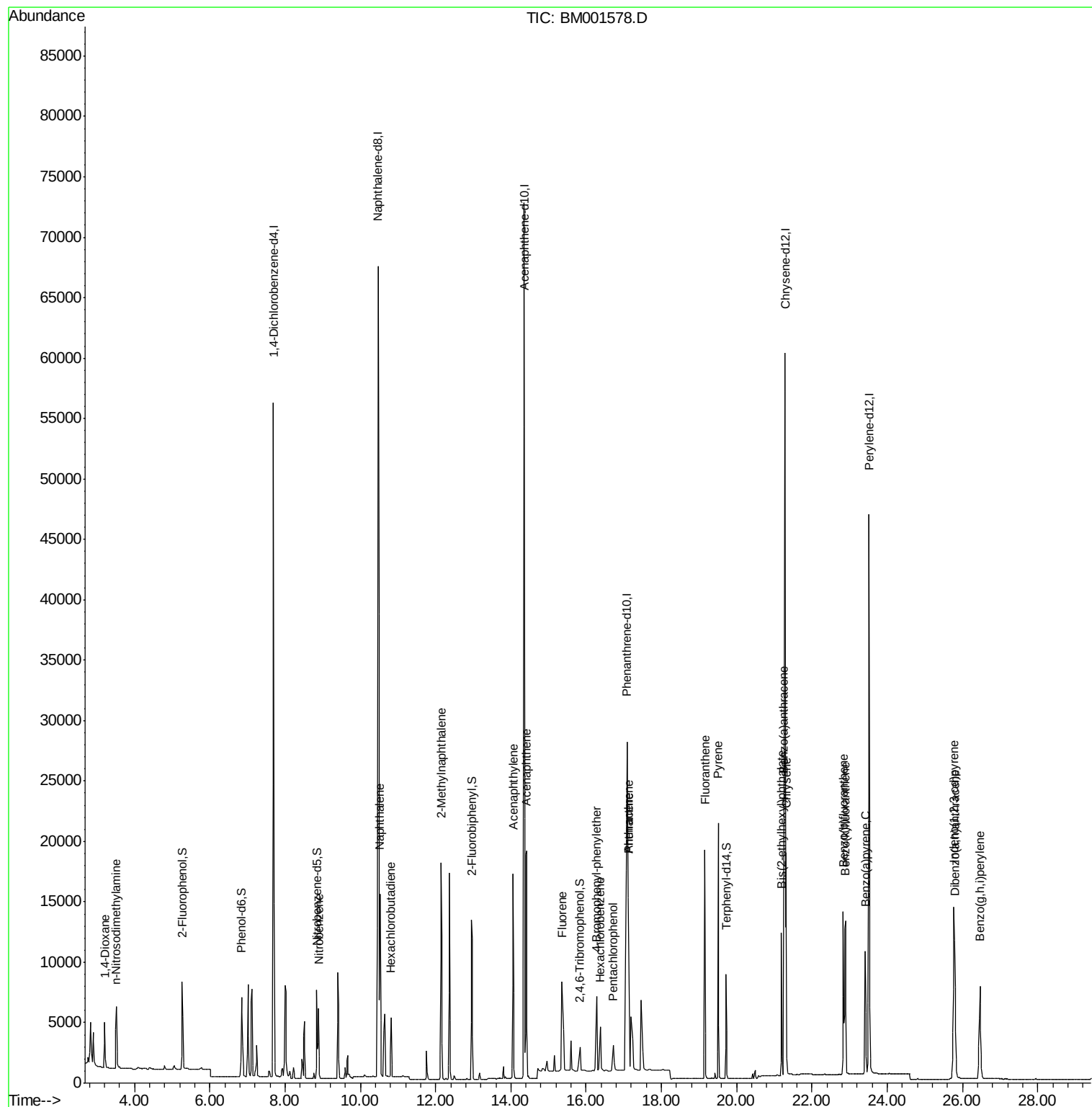
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.21  | 88  | 2582  | 0.93   | ng | 100  |
| 3) n-Nitrosodimethylamine      | 3.51  | 42  | 4080  | 0.99   | ng | # 98 |
| 8) Nitrobenzene                | 8.89  | 77  | 6669  | 0.95   | ng | 100  |
| 9) Naphthalene                 | 10.52 | 128 | 20094 | 0.97   | ng | 99   |
| 10) Hexachlorobutadiene        | 10.82 | 225 | 3504  | 0.97   | ng | 99   |
| 11) 2-Methylnaphthalene        | 12.15 | 142 | 12407 | 0.95   | ng | 96   |
| 15) Acenaphthylene             | 14.06 | 152 | 18625 | 0.96   | ng | 100  |
| 16) Acenaphthene               | 14.41 | 154 | 11415 | 0.94   | ng | 98   |
| 17) Fluorene                   | 15.36 | 166 | 7704  | 0.98   | ng | # 65 |
| 19) 4-Bromophenyl-phenylether  | 16.27 | 248 | 5468  | 1.18   | ng | # 89 |
| 20) Hexachlorobenzene          | 16.38 | 284 | 2601  | 1.33   | ng | 96   |
| 21) Pentachlorophenol          | 16.72 | 266 | 1133  | 1.20   | ng | # 64 |
| 22) Phenanthrene               | 17.12 | 178 | 21959 | 1.02   | ng | 99   |
| 23) Anthracene                 | 17.12 | 178 | 32685 | 3.61   | ng | # 52 |
| 24) Fluoranthene               | 19.15 | 202 | 20246 | 1.21   | ng | 99   |
| 26) Pyrene                     | 19.52 | 202 | 21621 | 0.93   | ng | 100  |
| 28) Benzo(a)anthracene         | 21.25 | 228 | 18544 | 0.92   | ng | 99   |
| 29) Chrysene                   | 21.31 | 228 | 18073 | 0.93   | ng | 100  |
| 30) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 10547 | 0.87   | ng | 100  |
| 31) Indeno(1,2,3-cd)pyrene     | 25.77 | 276 | 18336 | 0.88   | ng | 100  |
| 33) Benzo(b)fluoranthene       | 22.83 | 252 | 16948 | 0.90   | ng | 99   |
| 34) Benzo(k)fluoranthene       | 22.89 | 252 | 17024 | 0.99   | ng | 100  |
| 35) Benzo(a)pyrene             | 23.42 | 252 | 15404 | 0.94   | ng | 99   |
| 36) Dibenzo(a,h)anthracene     | 25.79 | 278 | 14369 | 0.89   | ng | 99   |
| 37) Benzo(g,h,i)perylene       | 26.46 | 276 | 15217 | 0.90   | ng | 100  |

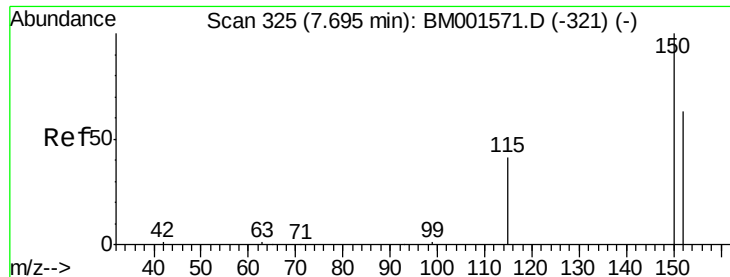
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 08 05:27:25 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.70 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

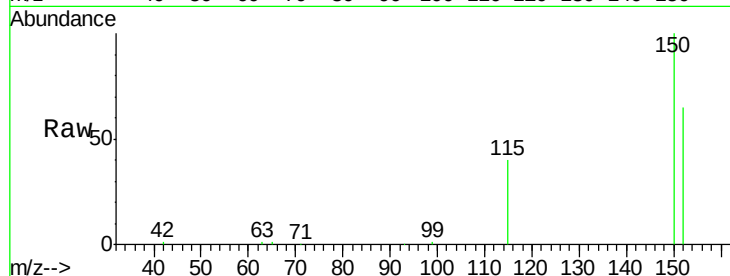
Tgt Ion:152 Resp: 27107

Ion Ratio Lower Upper

152 100

150 153.3 126.6 190.0

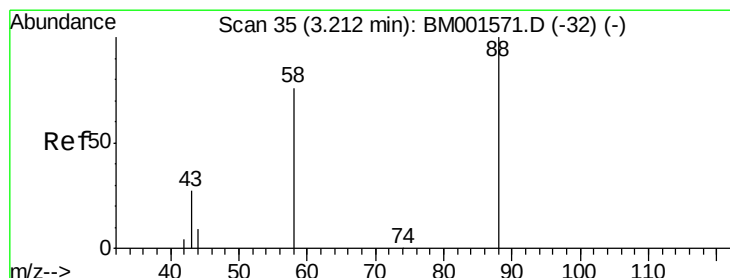
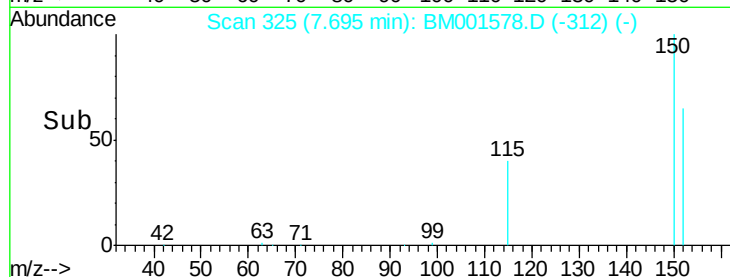
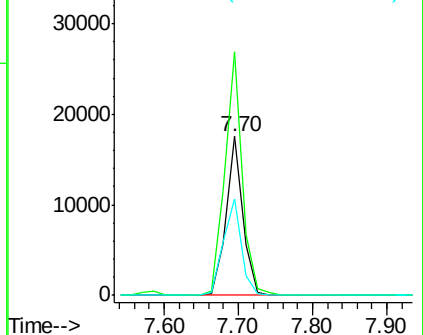
115 61.0 51.6 77.4



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: 0.93 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

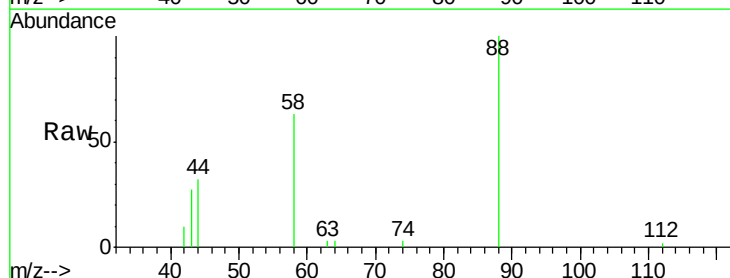
Tgt Ion: 88 Resp: 2582

Ion Ratio Lower Upper

88 100

58 83.0 66.1 99.1

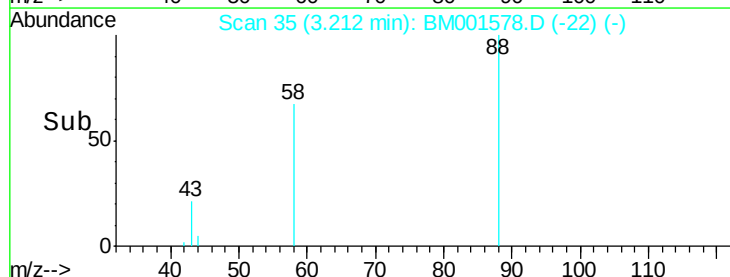
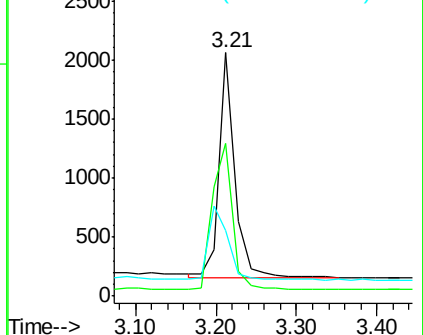
43 40.2 32.3 48.5

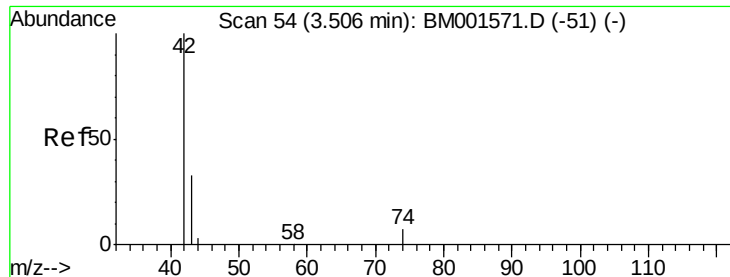


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.99 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

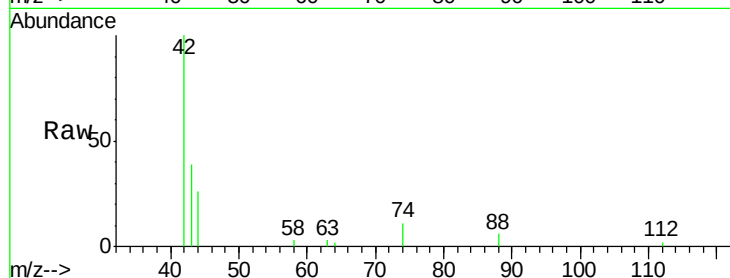
Tgt Ion: 42 Resp: 4080

Ion Ratio Lower Upper

42 100

74 94.8 77.2 115.8

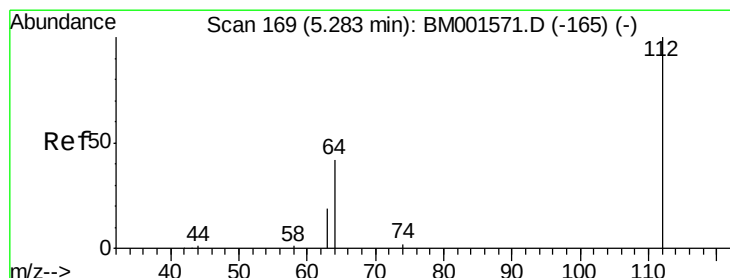
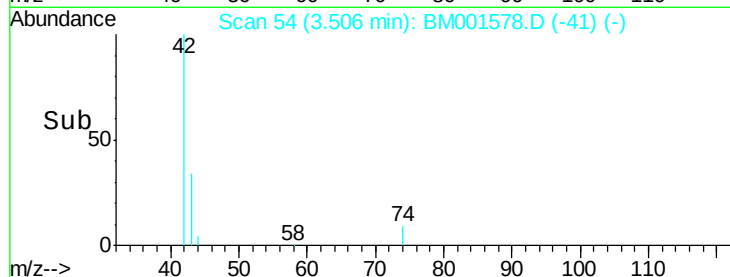
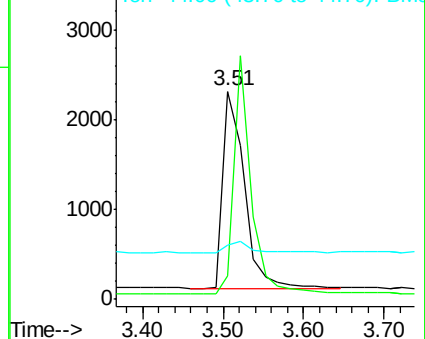
44 6.0 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BM001571.D (-51) (-)

Ion 74.00 (73.70 to 74.70): BM001571.D (-51) (-)

Ion 44.00 (43.70 to 44.70): BM001571.D (-51) (-)



#4

2-Fluorophenol

Concen: 0.97 ng

RT: 5.27 min Scan# 168

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

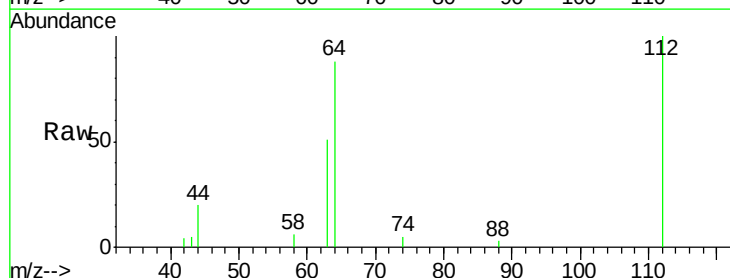
Tgt Ion: 112 Resp: 5803

Ion Ratio Lower Upper

112 100

64 67.8 53.3 79.9

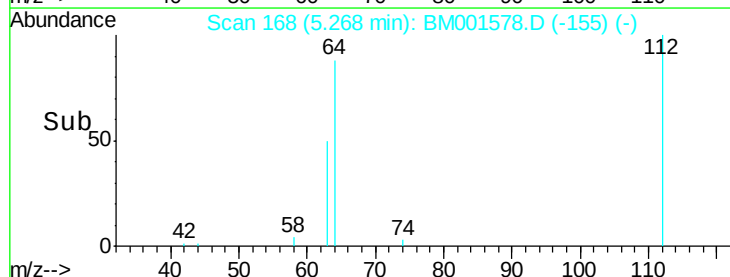
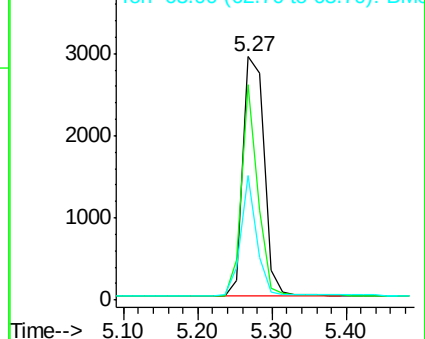
63 37.9 29.7 44.5

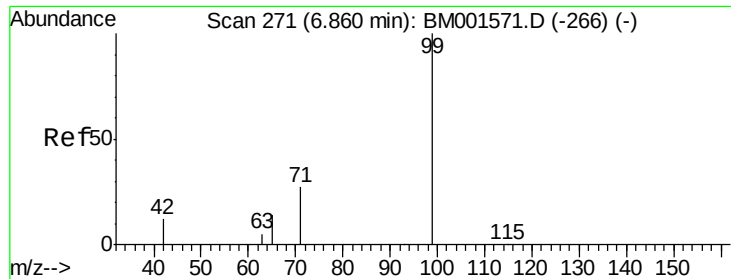


Abundance Ion 112.00 (111.70 to 112.70): BM001571.D (-165) (-)

Ion 64.00 (63.70 to 64.70): BM001571.D (-165) (-)

Ion 63.00 (62.70 to 63.70): BM001571.D (-165) (-)





#5

Phenol-d6

Concen: 0.97 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

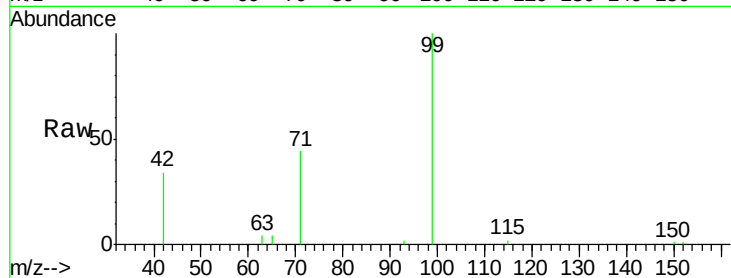
Tgt Ion: 99 Resp: 7123

Ion Ratio Lower Upper

99 100

42 27.2 21.4 32.2

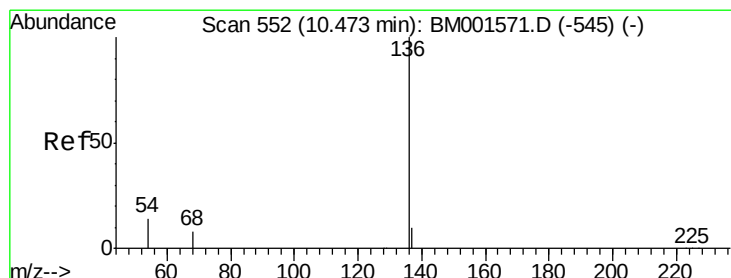
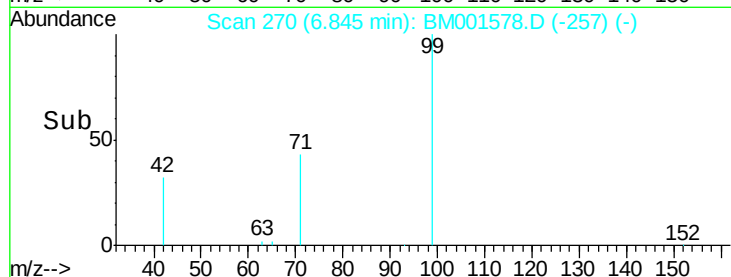
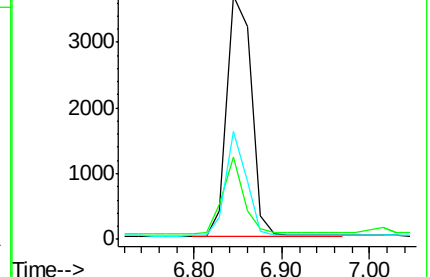
71 36.5 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BM001571.D (-266) (-)

Ion 42.00 (41.70 to 42.70): BM001571.D (-266) (-)

Ion 71.00 (70.70 to 71.70): BM001571.D (-266) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 552

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Tgt Ion: 136 Resp: 96358

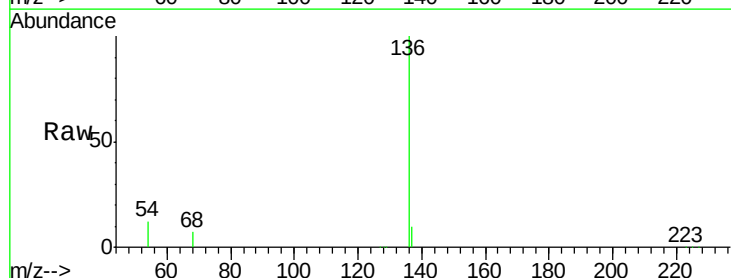
Ion Ratio Lower Upper

136 100

137 10.1 8.1 12.1

54 12.2 11.7 17.5

68 7.1 6.6 9.8

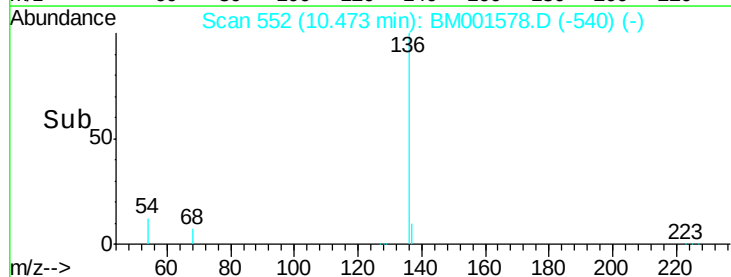
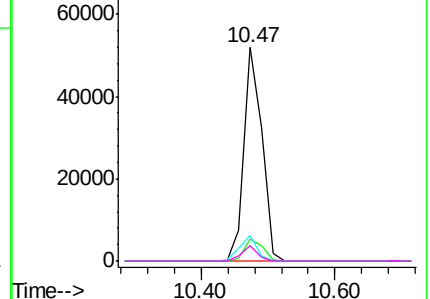


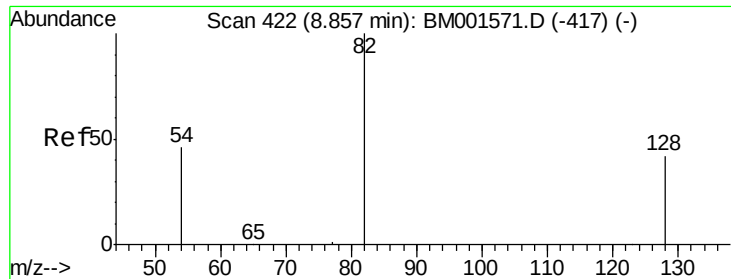
Abundance Ion 136.00 (135.70 to 136.70): BM001571.D (-545) (-)

Ion 137.00 (136.70 to 137.70): BM001571.D (-545) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-545) (-)

Ion 68.00 (67.70 to 68.70): BM001571.D (-545) (-)





#7

Nitrobenzene-d5

Concen: 0.95 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

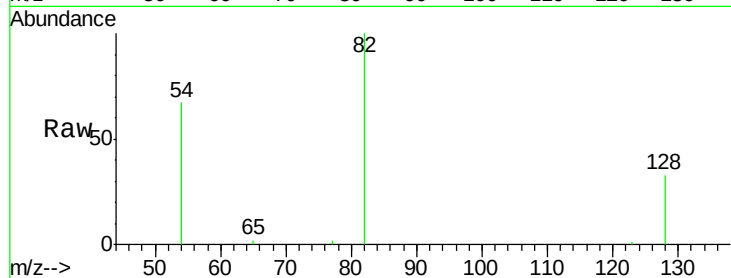
Tgt Ion: 82 Resp: 6248

Ion Ratio Lower Upper

82 100

128 33.1 34.1 51.1#

54 66.7 37.8 56.6#

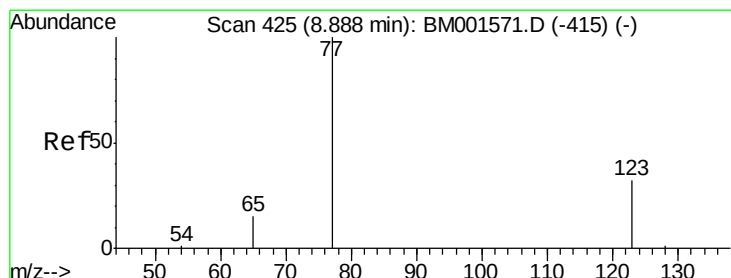
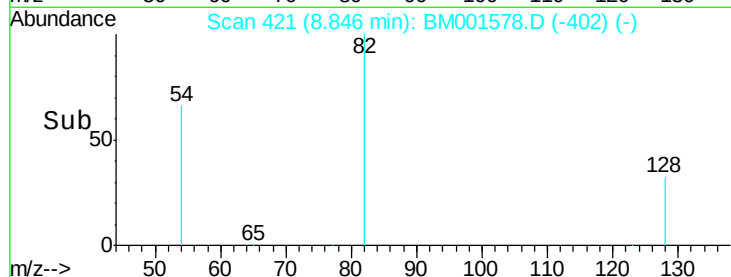


Abundance Ion 82.00 (81.70 to 82.70): BM001571.D (-417) (-)

Ion 128.00 (127.70 to 128.70): BM001571.D (-417) (-)

Ion 54.00 (53.70 to 54.70): BM001571.D (-417) (-)

Time-->



#8

Nitrobenzene

Concen: 0.95 ng

RT: 8.89 min Scan# 425

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

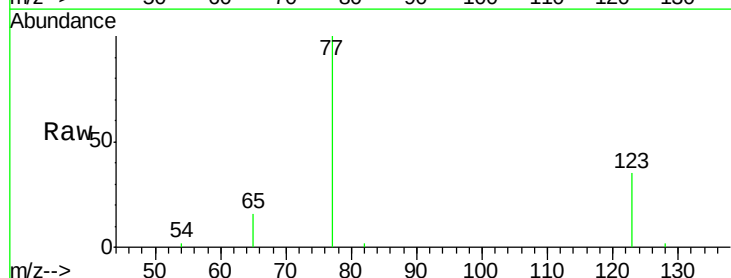
Tgt Ion: 77 Resp: 6669

Ion Ratio Lower Upper

77 100

123 39.4 31.7 47.5

65 14.2 11.4 17.0

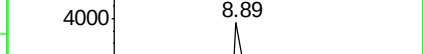
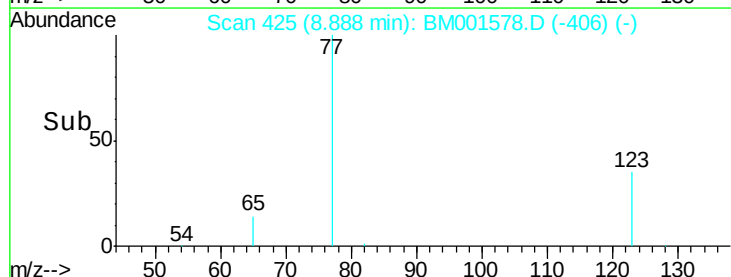


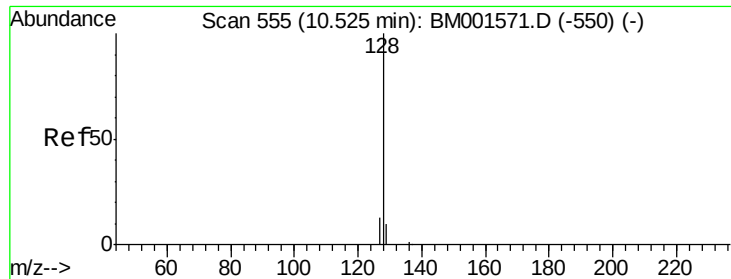
Abundance Ion 77.00 (76.70 to 77.70): BM001571.D (-415) (-)

Ion 123.00 (122.70 to 123.70): BM001571.D (-415) (-)

Ion 65.00 (64.70 to 65.70): BM001571.D (-415) (-)

Time-->





#9

Naphthalene

Concen: 0.97 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

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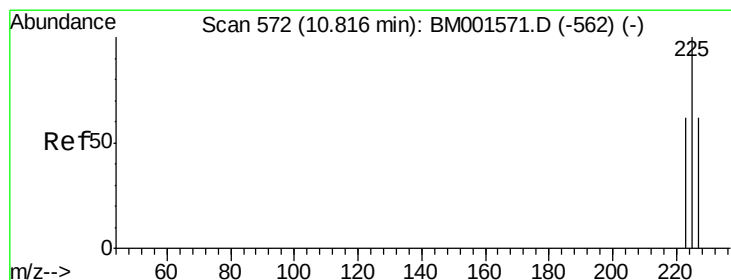
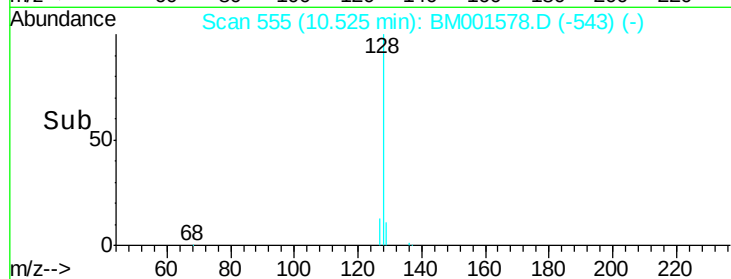
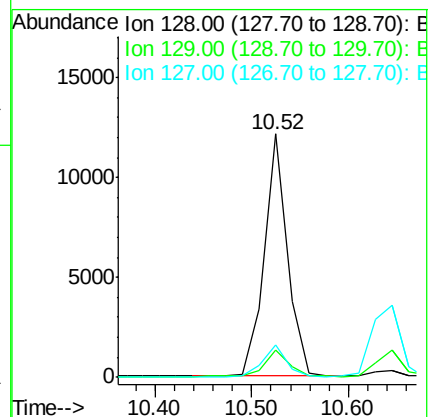
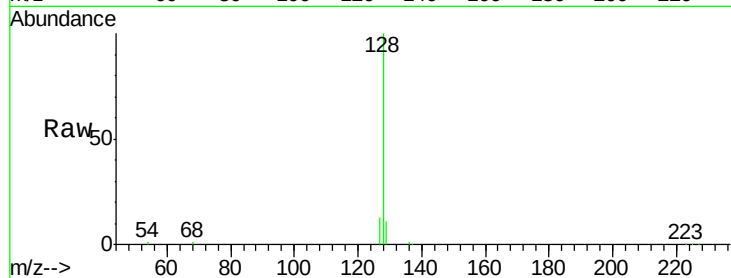
Tgt Ion:128 Resp: 20094

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.2 10.7 16.1



#10

Hexachlorobutadiene

Concen: 0.97 ng

RT: 10.82 min Scan# 572

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

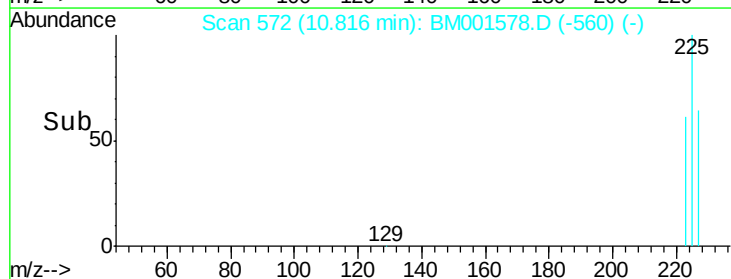
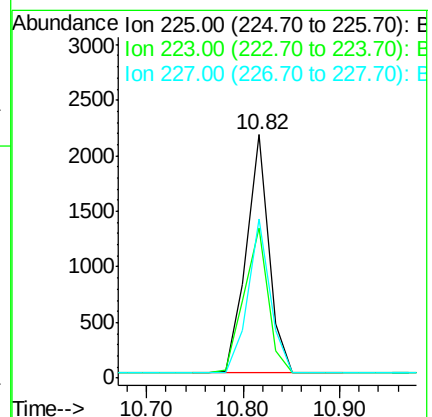
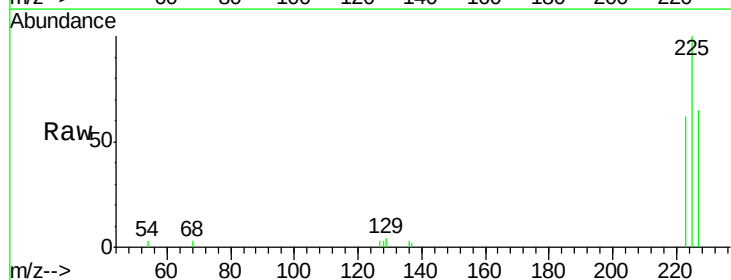
Tgt Ion:225 Resp: 3504

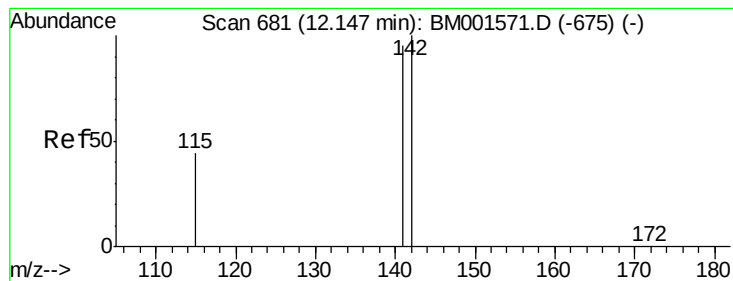
Ion Ratio Lower Upper

225 100

223 63.8 50.4 75.6

227 63.6 50.8 76.2





#11

2-Methylnaphthalene

Concen: 0.95 ng

RT: 12.15 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

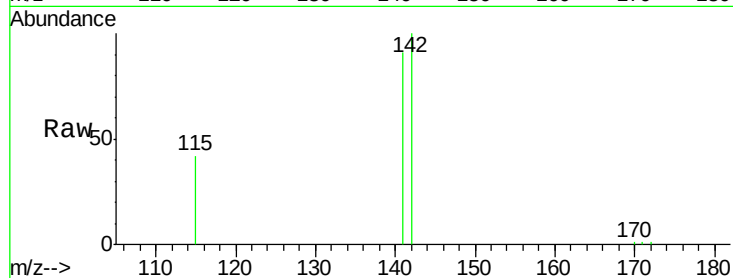
Tgt Ion:142 Resp: 12407

Ion Ratio Lower Upper

142 100

141 90.6 75.6 113.4

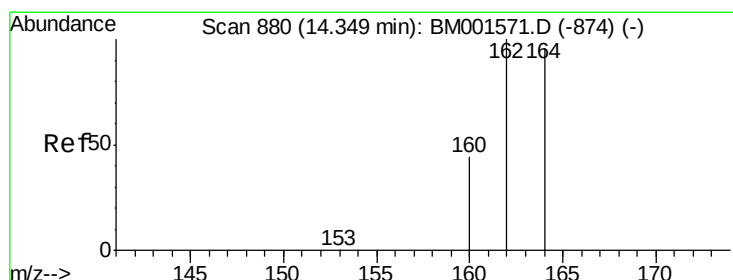
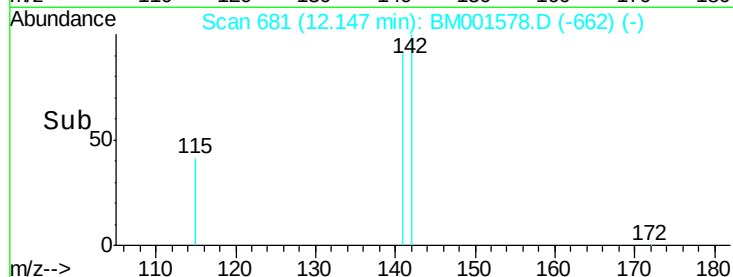
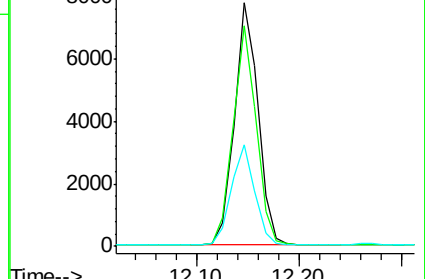
115 41.8 35.5 53.3



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

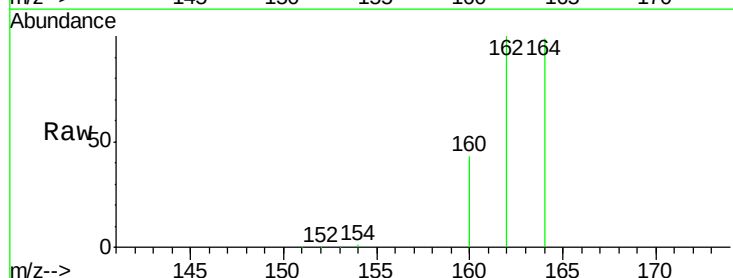
Tgt Ion:164 Resp: 44829

Ion Ratio Lower Upper

164 100

162 101.3 83.8 125.6

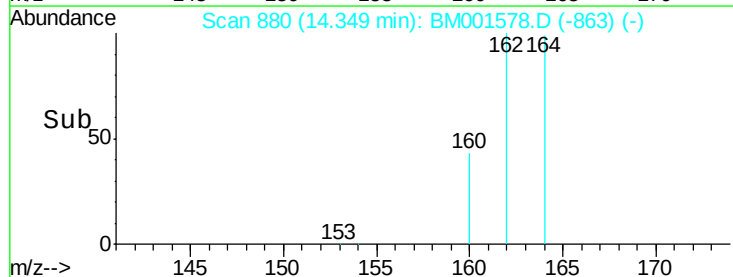
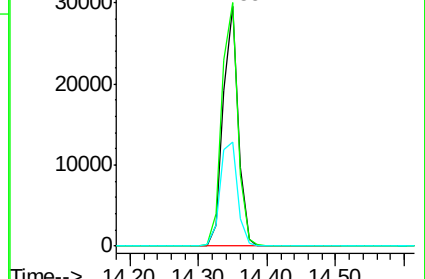
160 43.6 37.1 55.7



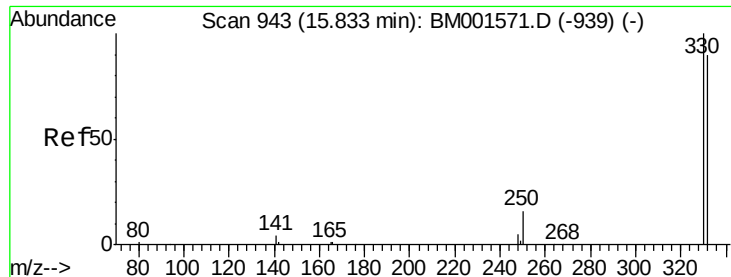
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



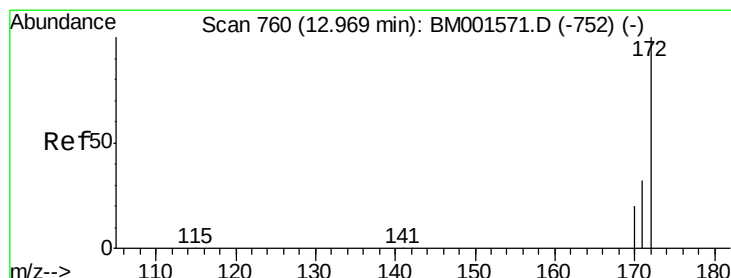
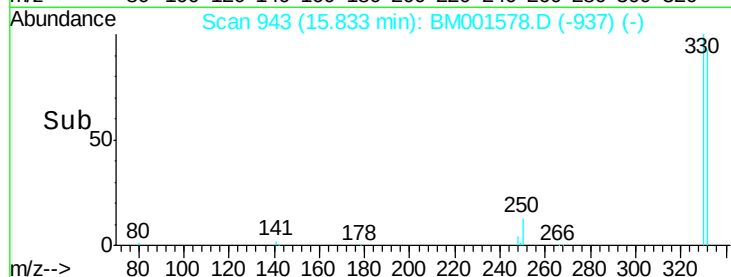
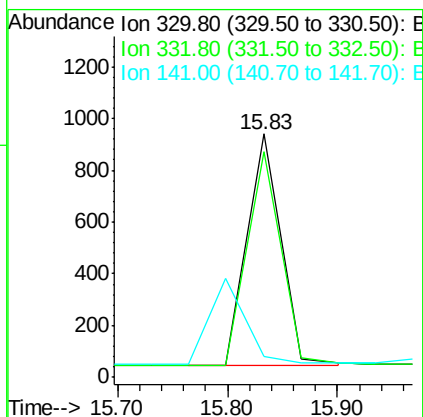
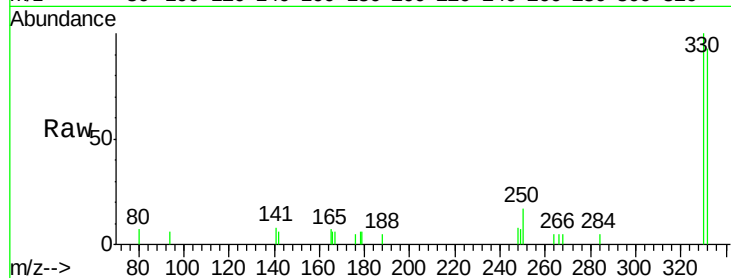




#13  
 2,4,6-Tribromophenol  
 Concen: 0.94 ng  
 RT: 15.83 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: BM001578.D  
 Acq: 06 Jun 2015 05:06

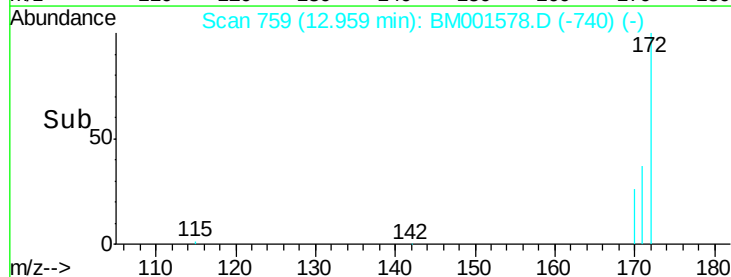
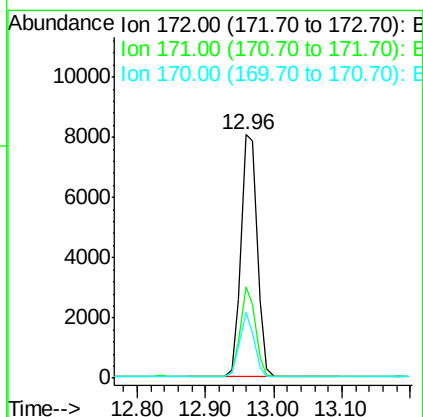
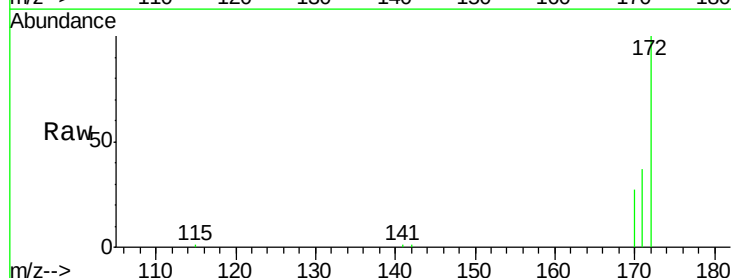
Instrument :  
 BNA\_M  
 ClientSampleId :  
 ICVBM060615

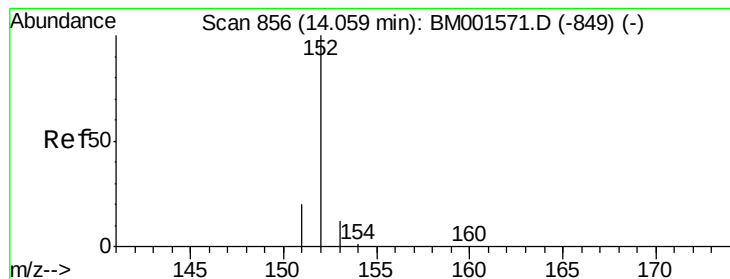
Tgt Ion: 330 Resp: 1901  
 Ion Ratio Lower Upper  
 330 100  
 332 93.0 72.0 108.0  
 141 0.0 0.0 0.0



#14  
 2-Fluorobiphenyl  
 Concen: 0.97 ng  
 RT: 12.96 min Scan# 759  
 Delta R.T. -0.00 min  
 Lab File: BM001578.D  
 Acq: 06 Jun 2015 05:06

Tgt Ion: 172 Resp: 13456  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 26.2 39.2  
 170 26.7 16.1 24.1#





#15

Acenaphthylene

Concen: 0.96 ng

RT: 14.06 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

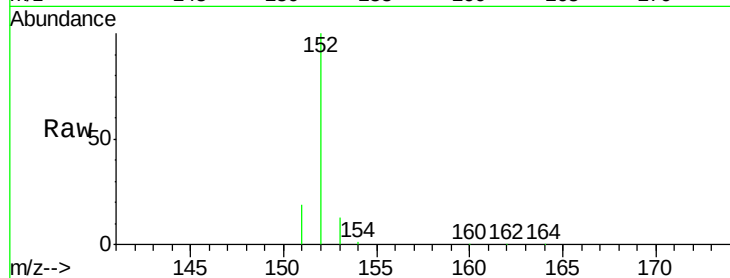
Tgt Ion:152 Resp: 18625

Ion Ratio Lower Upper

152 100

151 19.0 15.2 22.8

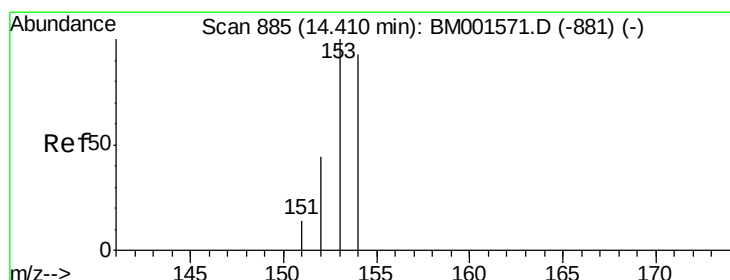
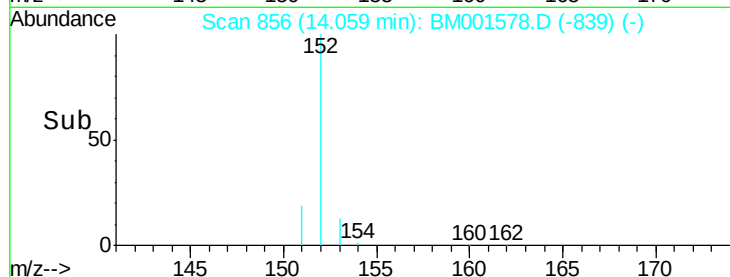
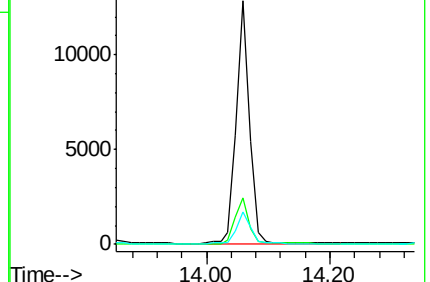
153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.94 ng

RT: 14.41 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

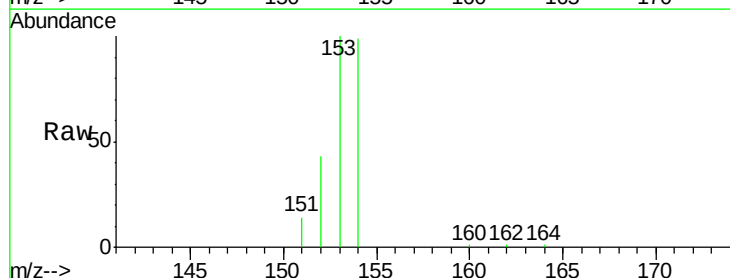
Tgt Ion:154 Resp: 11415

Ion Ratio Lower Upper

154 100

153 113.7 89.1 133.7

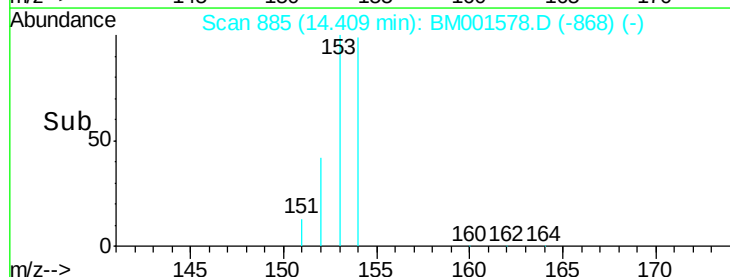
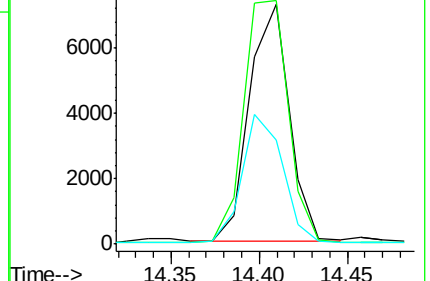
152 54.9 43.2 64.8

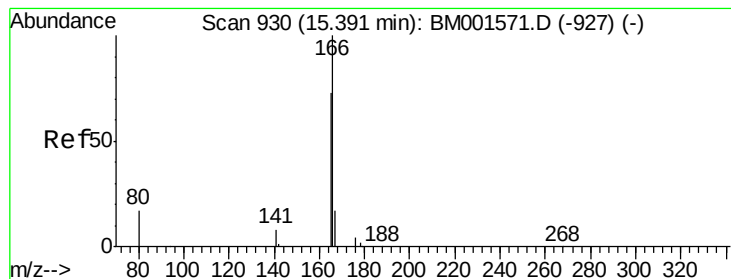


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 0.98 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

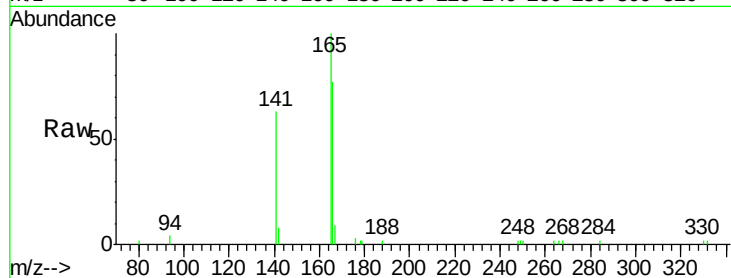
Tgt Ion:166 Resp: 7704

Ion Ratio Lower Upper

166 100

165 105.3 0.0 0.0#

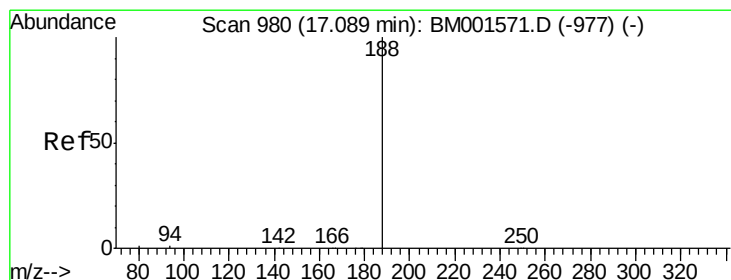
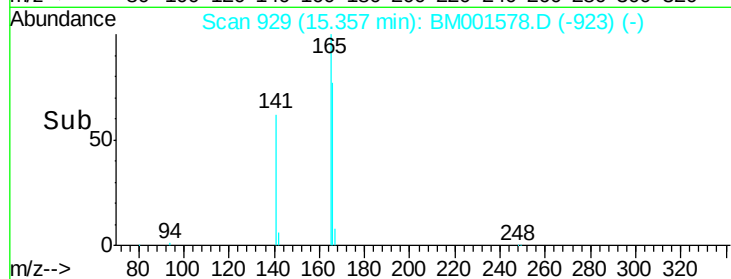
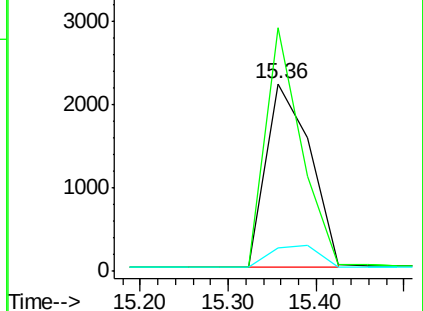
167 0.0 11.3 16.9#



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

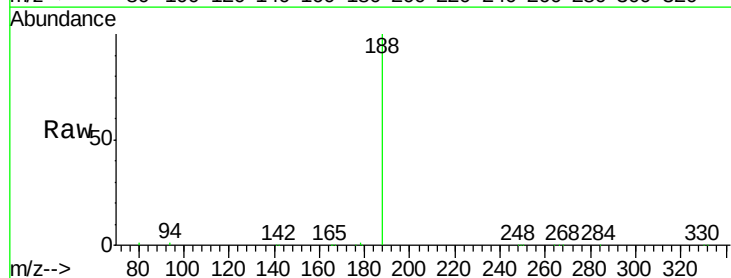
Tgt Ion:188 Resp: 61652

Ion Ratio Lower Upper

188 100

94 0.8 0.7 1.1

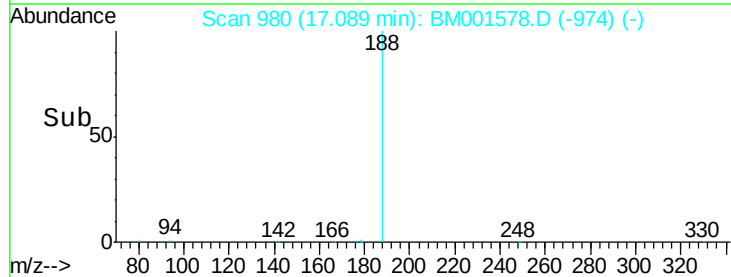
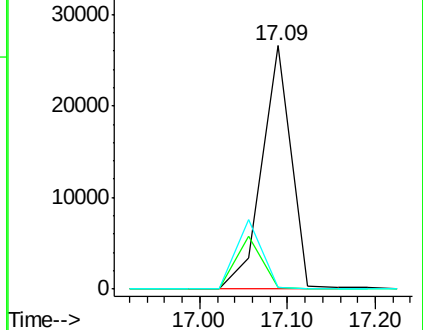
80 0.7 0.6 1.0

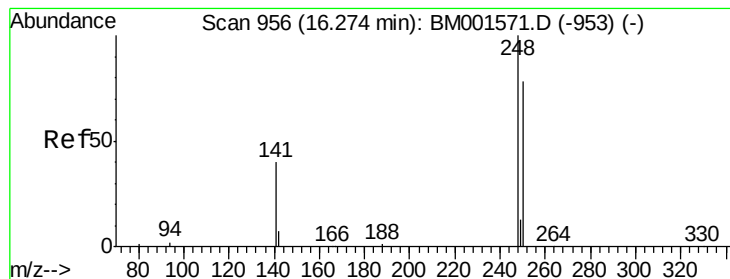


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#19

4-Bromophenyl-phenylether

Concen: 1.18 ng

RT: 16.27 min Scan# 956

Delta R.T. 0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

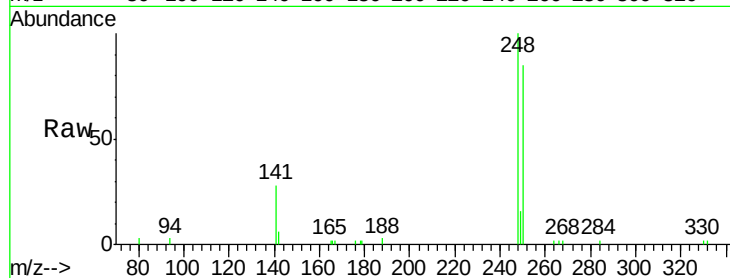
Tgt Ion:248 Resp: 5468

Ion Ratio Lower Upper

248 100

250 84.7 63.1 94.7

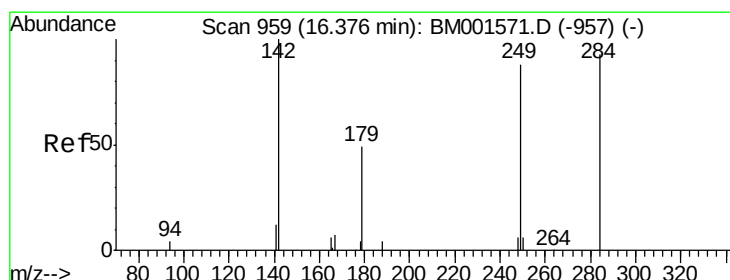
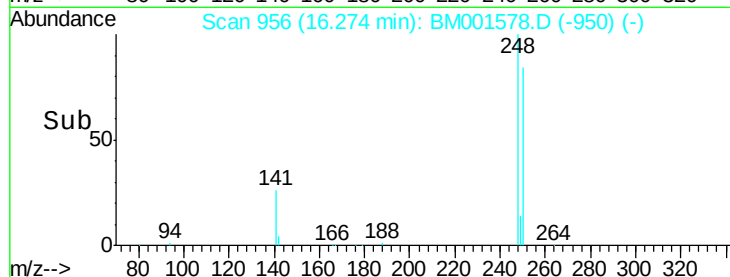
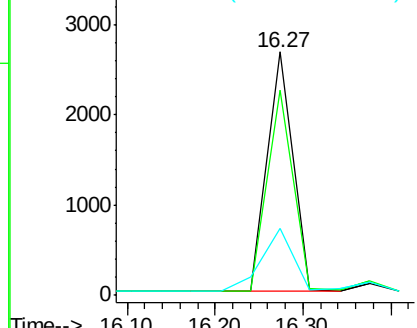
141 31.8 35.0 52.6#



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



#20

Hexachlorobenzene

Concen: 1.33 ng

RT: 16.38 min Scan# 959

Delta R.T. 0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

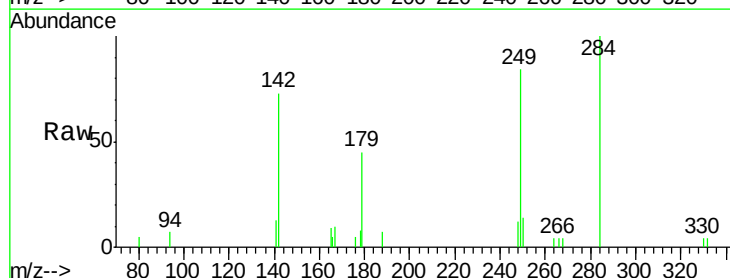
Tgt Ion:284 Resp: 2601

Ion Ratio Lower Upper

284 100

142 73.2 64.2 96.2

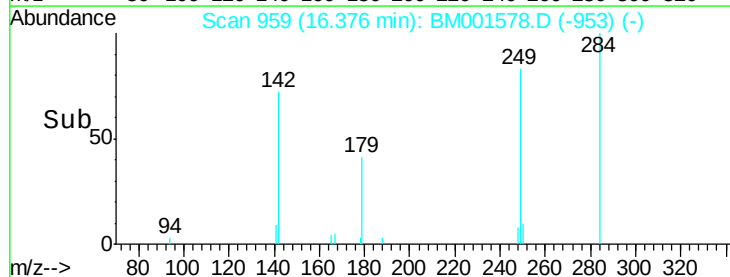
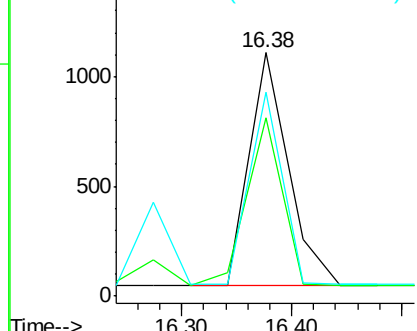
249 69.5 55.4 83.0

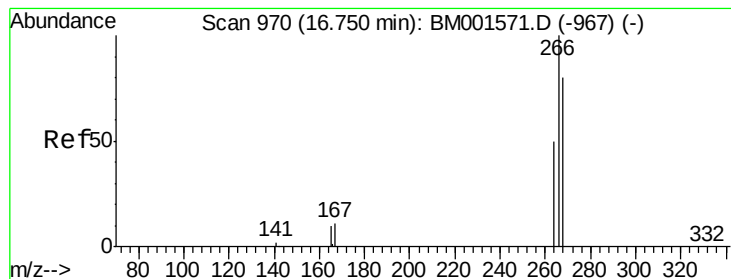


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 1.20 ng

RT: 16.72 min Scan# 969

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

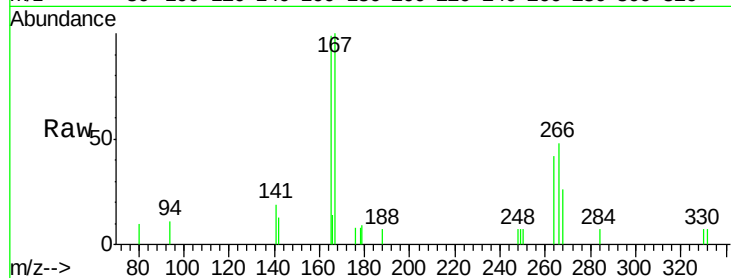
Tgt Ion:266 Resp: 1133

Ion Ratio Lower Upper

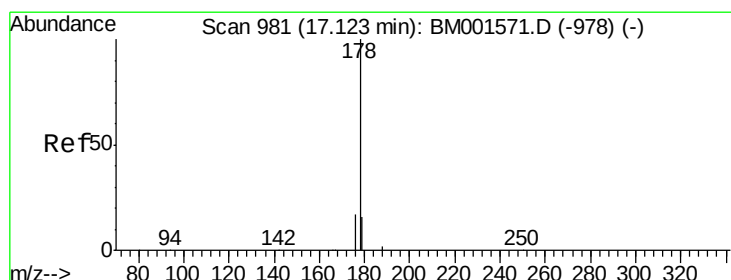
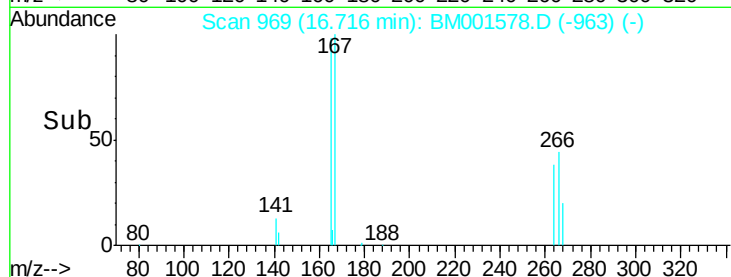
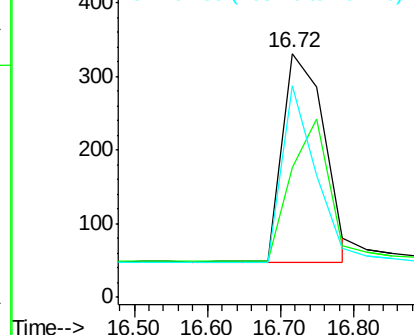
266 100

268 53.2 66.3 99.5#

264 86.7 45.5 68.3#



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



#22

Phenanthrene

Concen: 1.02 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

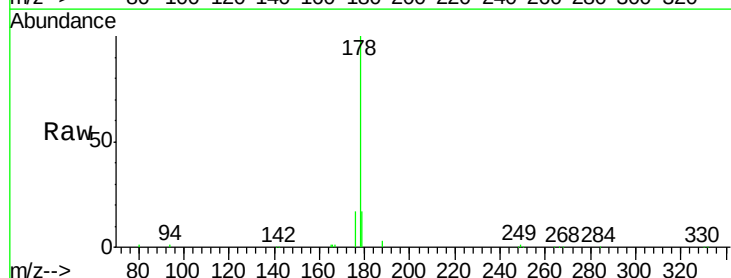
Tgt Ion:178 Resp: 21959

Ion Ratio Lower Upper

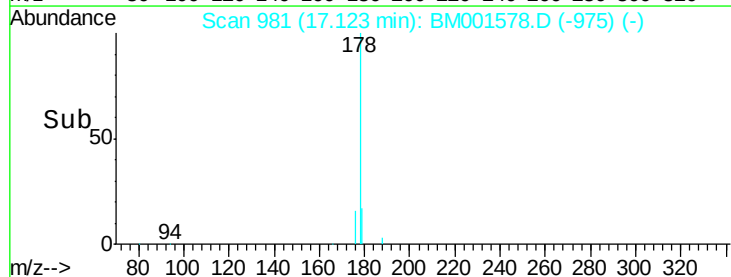
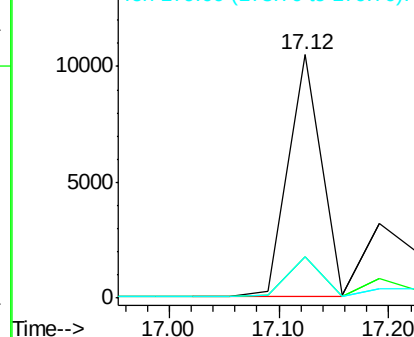
178 100

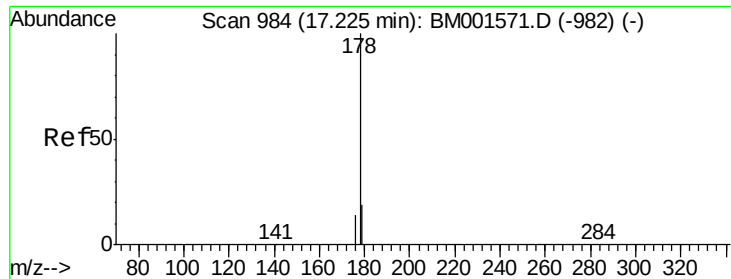
176 16.7 13.5 20.3

179 16.9 13.3 19.9



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 3.61 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.07 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

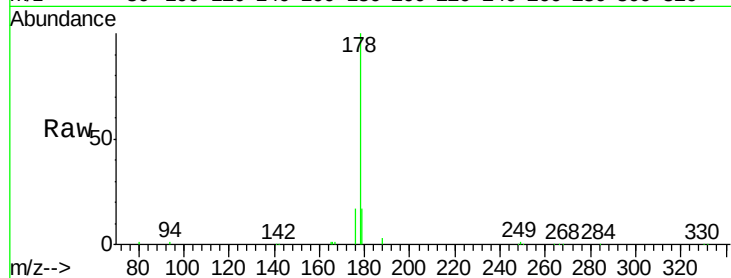
Tgt Ion:178 Resp: 32685

Ion Ratio Lower Upper

178 100

176 18.1 45.9 68.9#

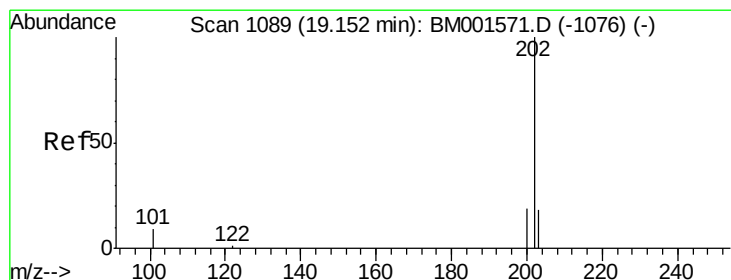
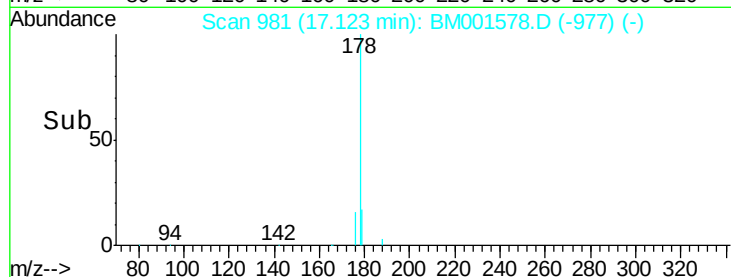
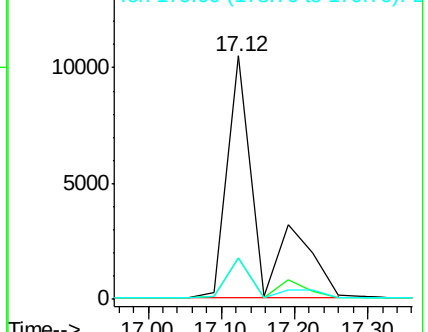
179 16.1 33.3 49.9#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 1.21 ng

RT: 19.15 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

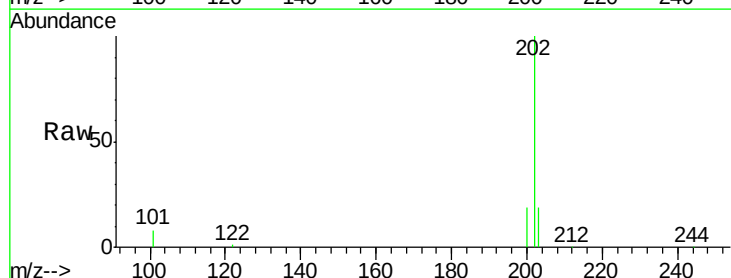
Tgt Ion:202 Resp: 20246

Ion Ratio Lower Upper

202 100

101 12.3 10.0 15.0

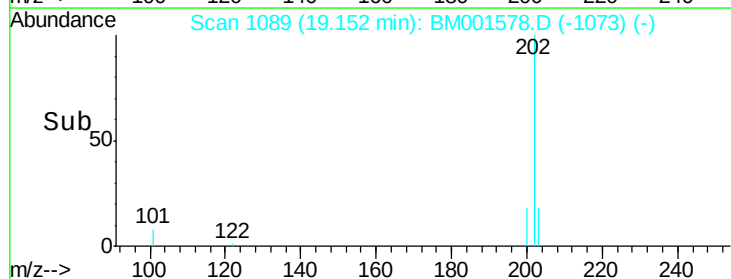
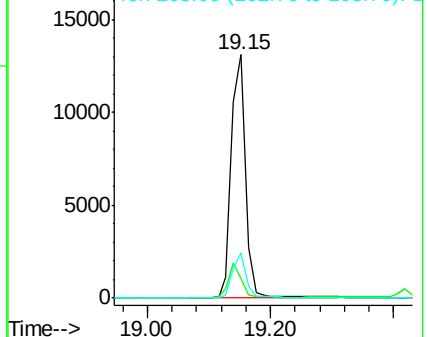
203 17.1 13.9 20.9

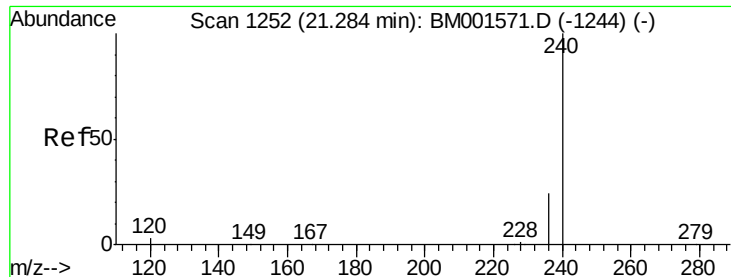


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

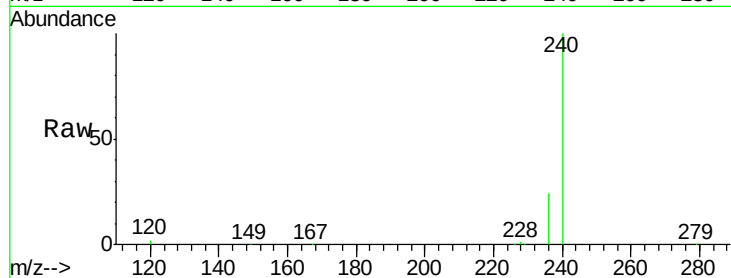
Tgt Ion:240 Resp: 71894

Ion Ratio Lower Upper

240 100

120 2.4 2.2 3.2

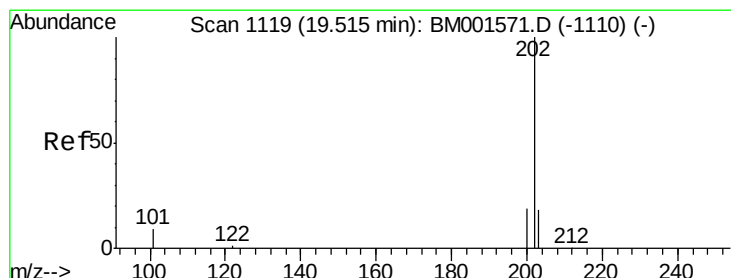
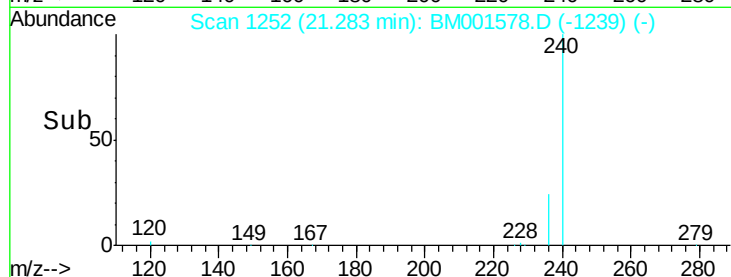
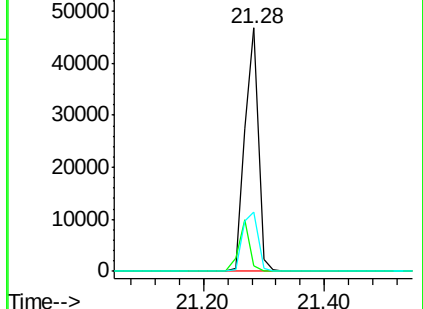
236 24.2 19.5 29.3



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



#26

Pyrene

Concen: 0.93 ng

RT: 19.52 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

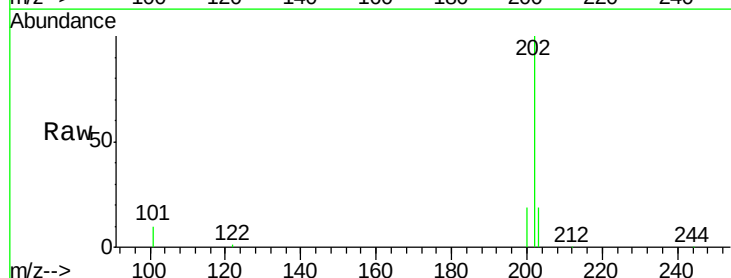
Tgt Ion:202 Resp: 21621

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

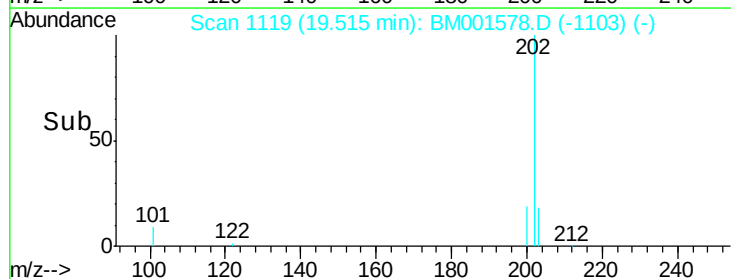
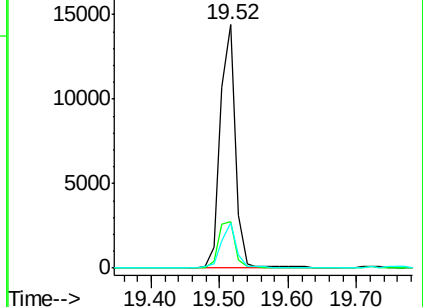
203 17.3 13.9 20.9

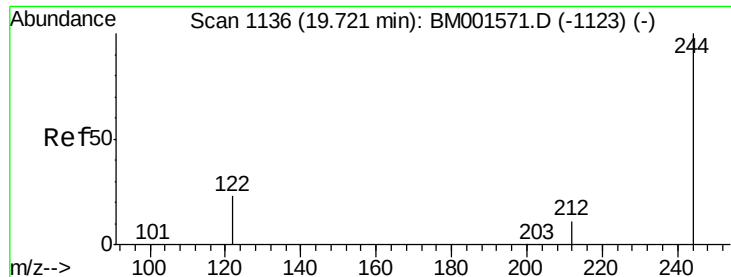


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

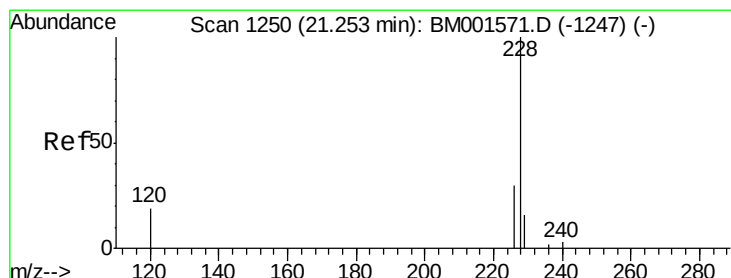
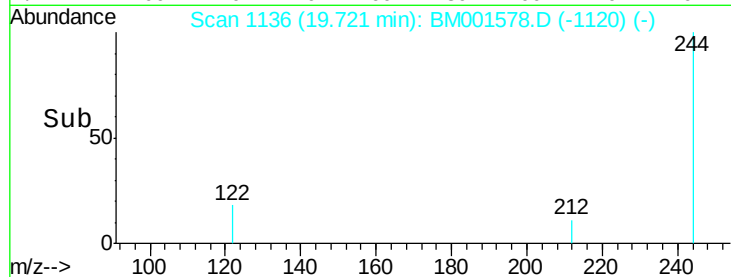
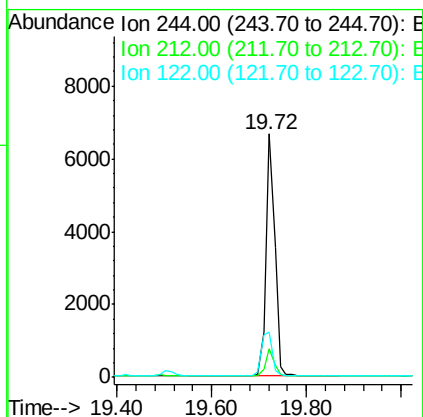
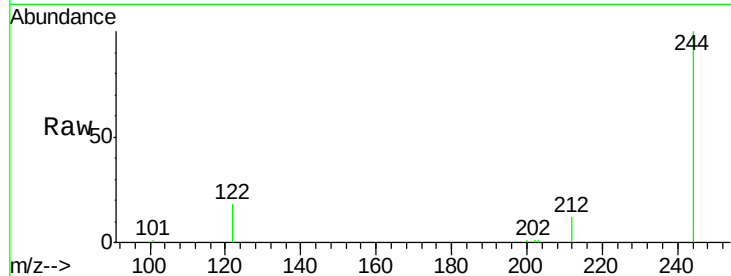




#27  
 Terphenyl-d14  
 Concen: 0.92 ng  
 RT: 19.72 min Scan# 1136  
 Delta R.T. -0.00 min  
 Lab File: BM001578.D  
 Acq: 06 Jun 2015 05:06

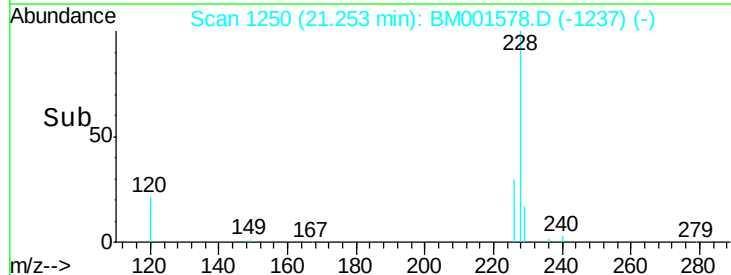
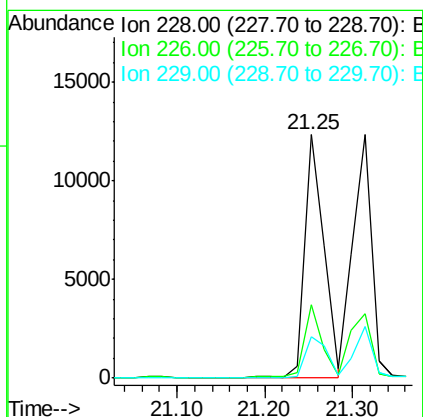
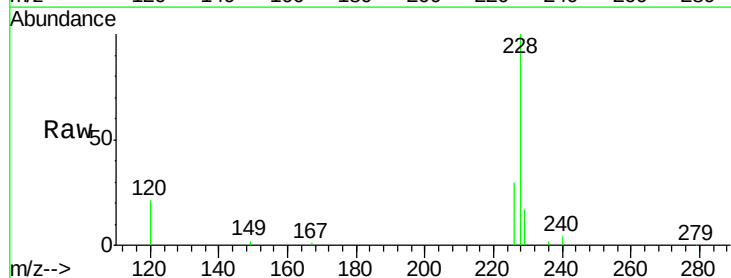
Instrument :  
 BNA\_M  
 ClientSampleId :  
 ICVBM060615

Tgt Ion: 244 Resp: 8505  
 Ion Ratio Lower Upper  
 244 100  
 212 11.6 9.6 14.4  
 122 18.5 19.0 28.4#

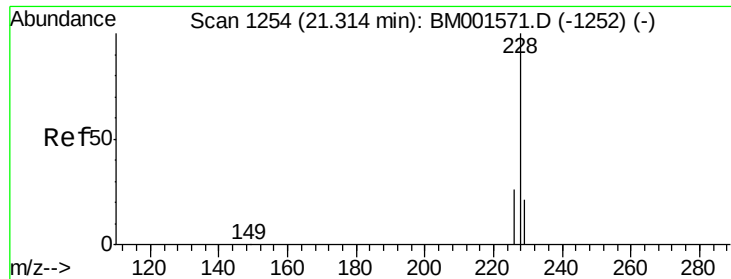


#28  
 Benzo(a)anthracene  
 Concen: 0.92 ng  
 RT: 21.25 min Scan# 1250  
 Delta R.T. -0.00 min  
 Lab File: BM001578.D  
 Acq: 06 Jun 2015 05:06

Tgt Ion: 228 Resp: 18544  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 24.8 37.2  
 229 17.2 13.4 20.0







#29

Chrysene

Concen: 0.93 ng

RT: 21.31 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

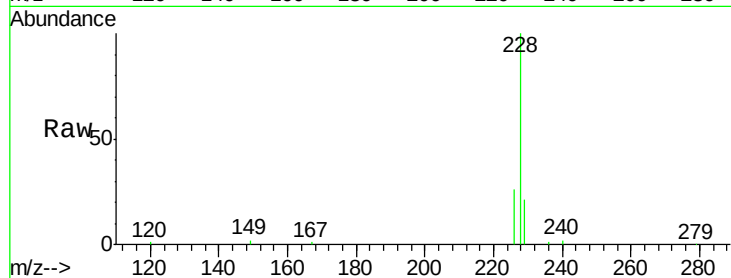
Tgt Ion:228 Resp: 18073

Ion Ratio Lower Upper

228 100

226 26.3 21.0 31.6

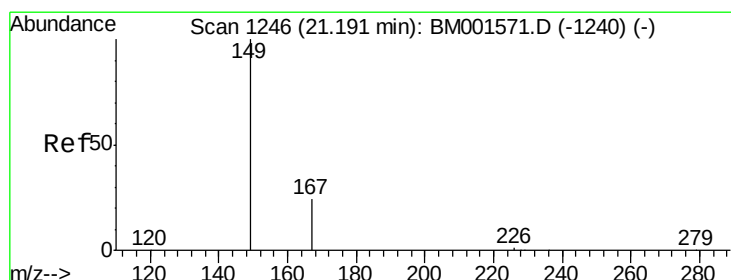
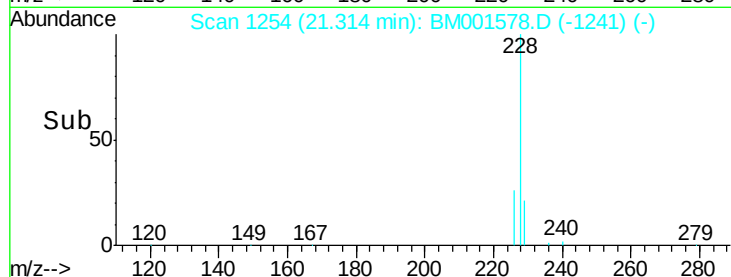
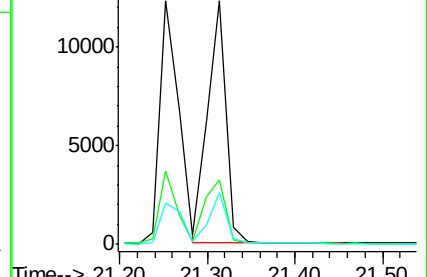
229 21.5 17.2 25.8



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.87 ng

RT: 21.19 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

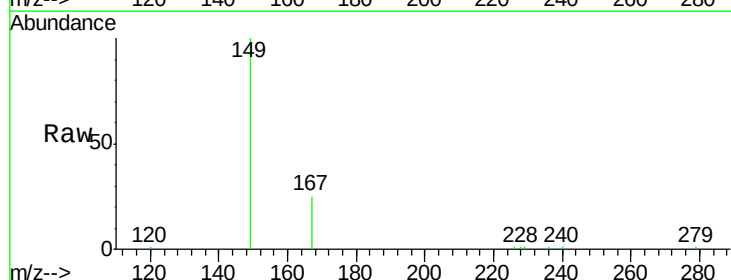
Tgt Ion:149 Resp: 10547

Ion Ratio Lower Upper

149 100

167 25.3 20.2 30.2

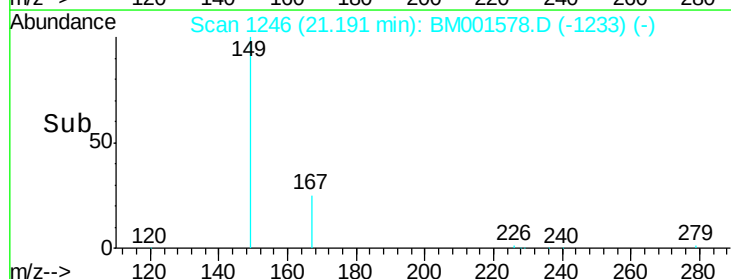
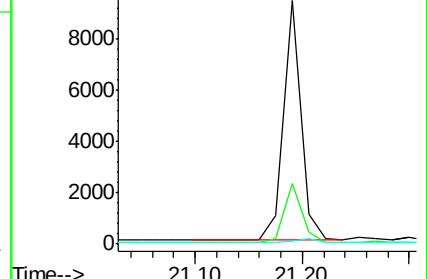
279 2.1 1.8 2.6

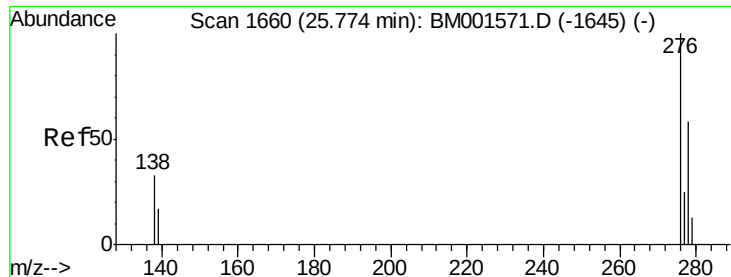


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.88 ng

RT: 25.77 min Scan# 1660

Delta R.T. 0.01 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

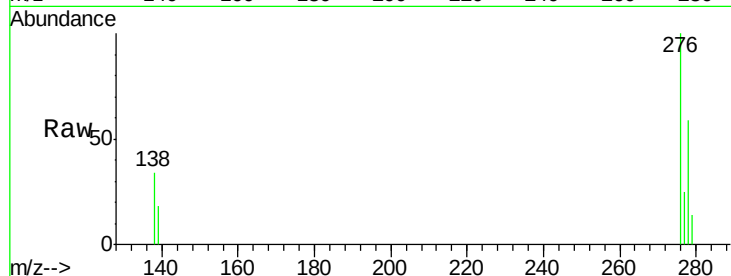
Tgt Ion:276 Resp: 18336

Ion Ratio Lower Upper

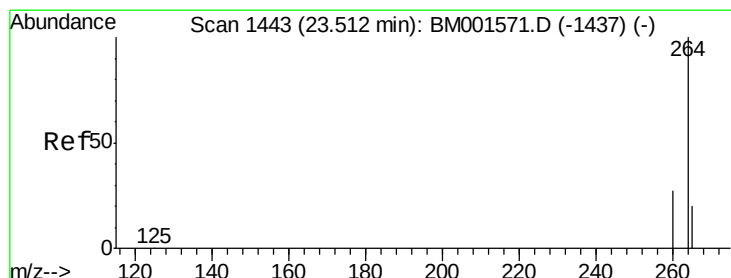
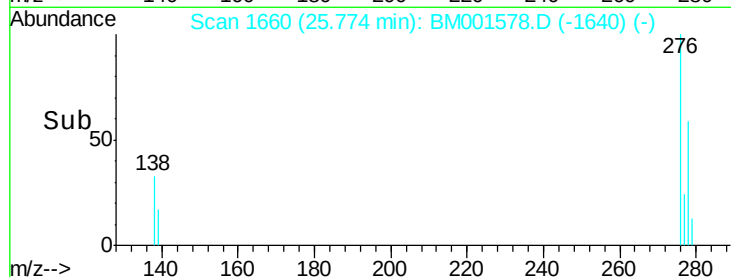
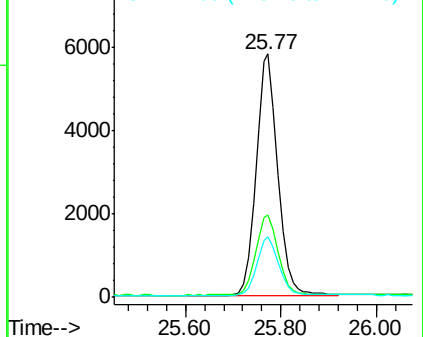
276 100

138 34.8 28.0 42.0

277 24.5 19.7 29.5



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

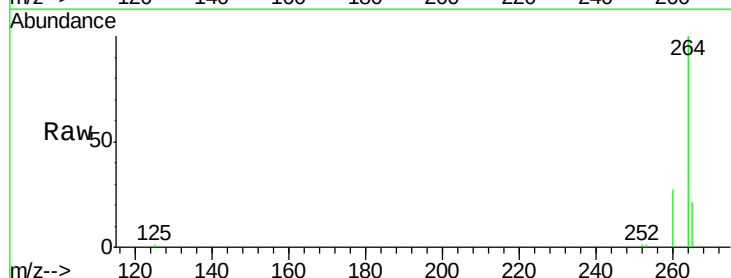
Tgt Ion:264 Resp: 63077

Ion Ratio Lower Upper

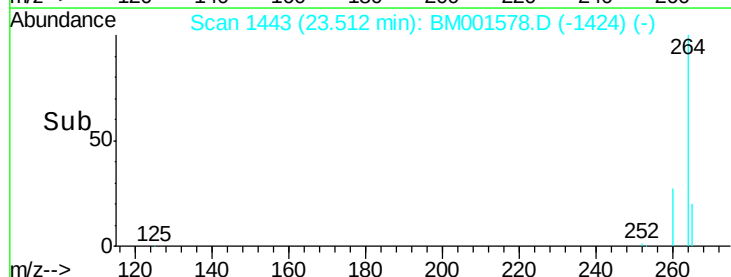
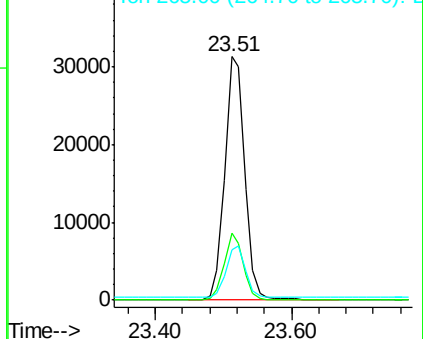
264 100

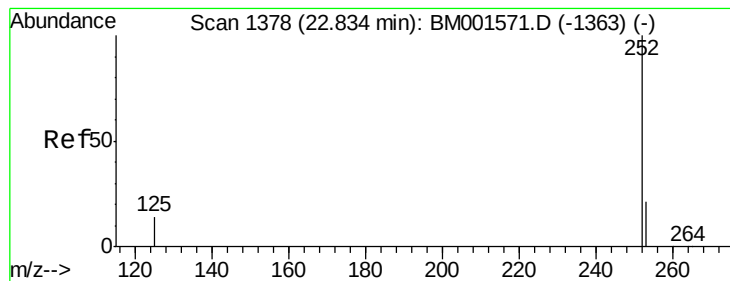
260 27.4 21.6 32.4

265 20.7 16.5 24.7



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.90 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

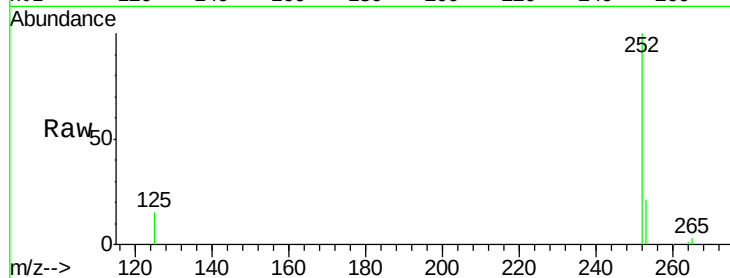
Tgt Ion:252 Resp: 16948

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

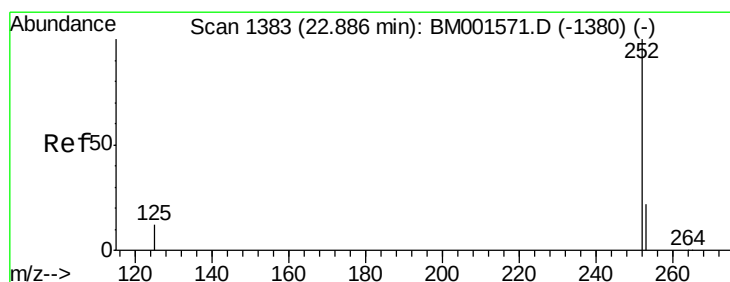
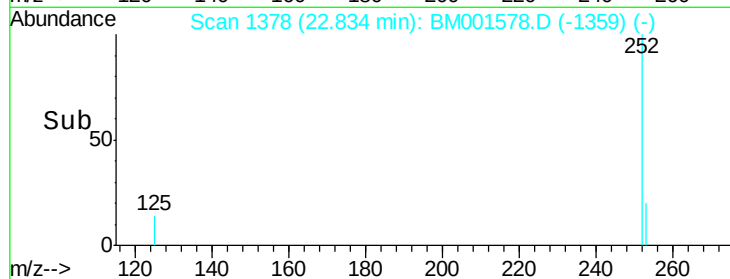
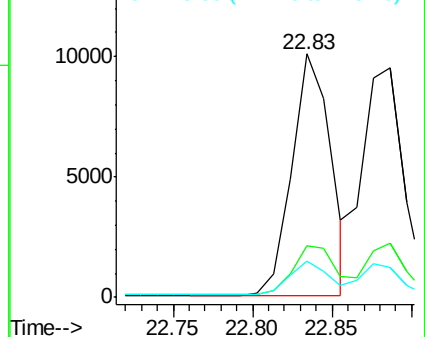
125 15.1 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 0.99 ng

RT: 22.89 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

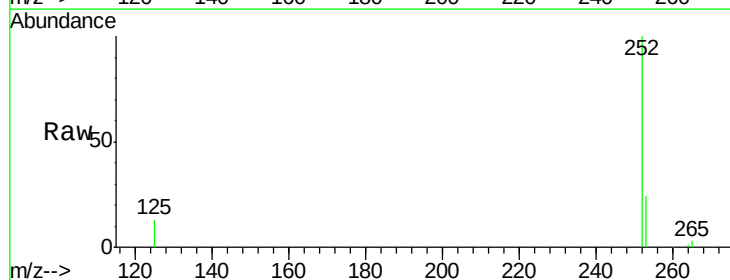
Tgt Ion:252 Resp: 17024

Ion Ratio Lower Upper

252 100

253 23.6 18.8 28.2

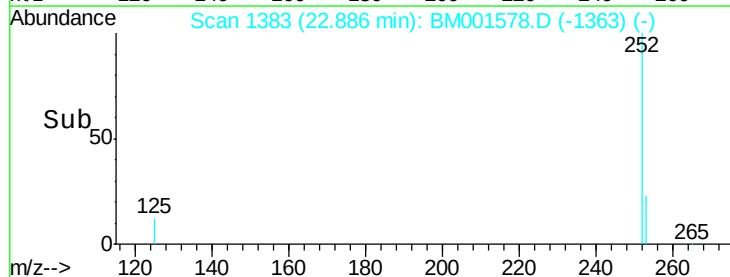
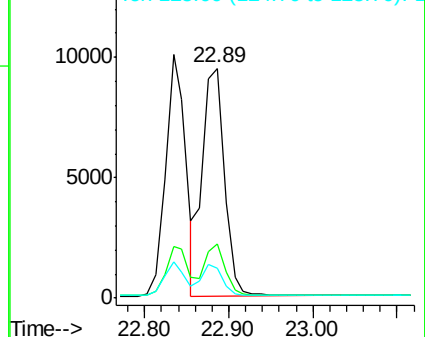
125 13.2 10.7 16.1

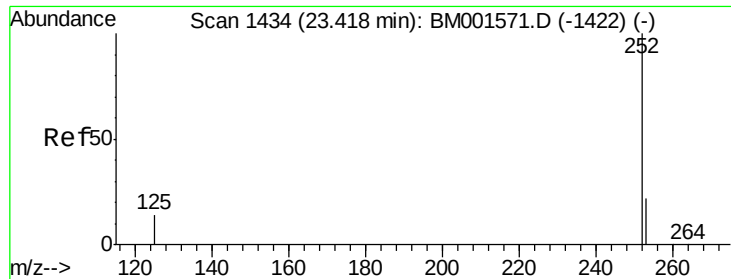


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.94 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615

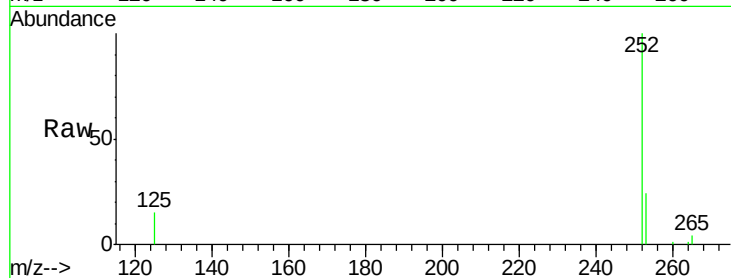
Tgt Ion: 252 Resp: 15404

Ion Ratio Lower Upper

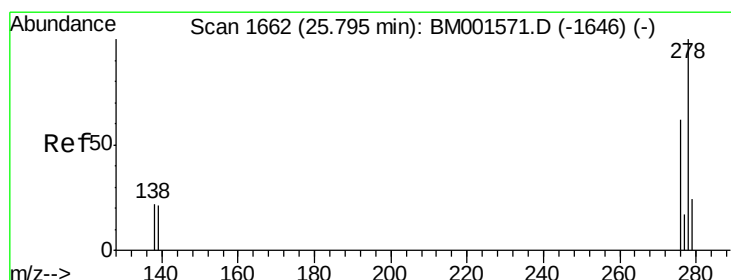
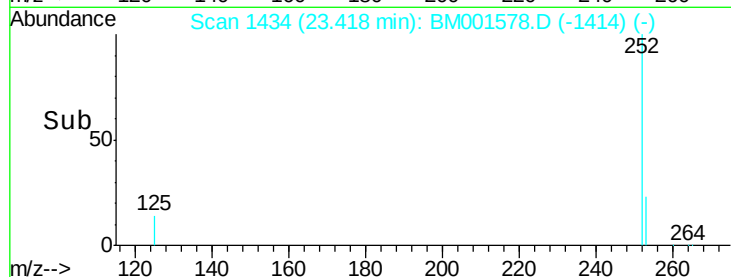
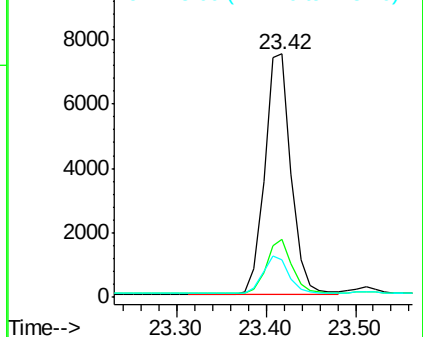
252 100

253 23.9 18.8 28.2

125 15.2 12.1 18.1



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



#36

Dibenzo(a,h)anthracene

Concen: 0.89 ng

RT: 25.79 min Scan# 1662

Delta R.T. 0.01 min

Lab File: BM001578.D

Acq: 06 Jun 2015 05:06

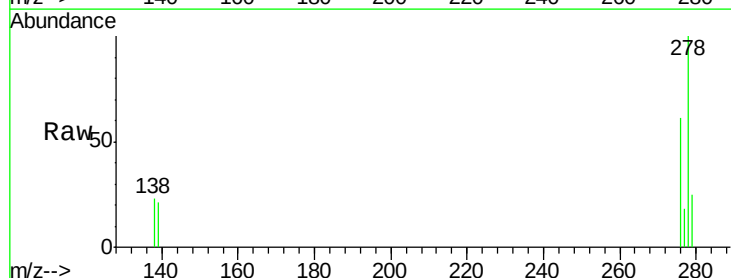
Tgt Ion: 278 Resp: 14369

Ion Ratio Lower Upper

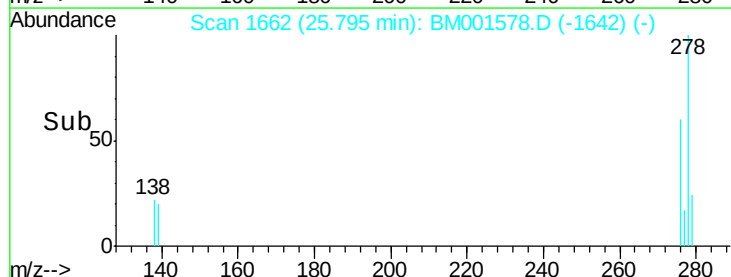
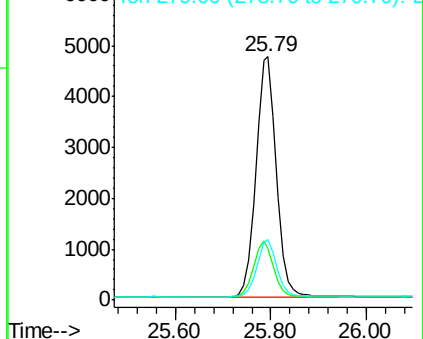
278 100

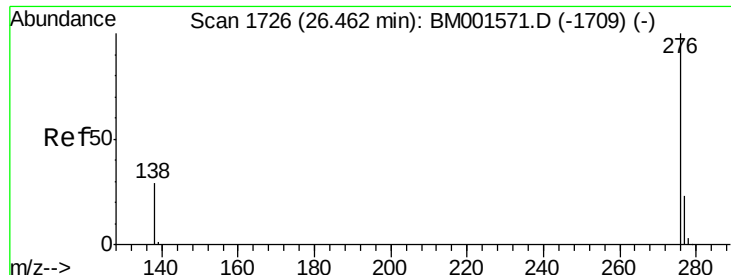
139 21.4 17.4 26.0

279 24.7 20.0 30.0



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





#37

Benzo(g,h,i)perylene

Concen: 0.90 ng

RT: 26.46 min Scan# 1726

Delta R.T. -0.00 min

Lab File: BM001578.D

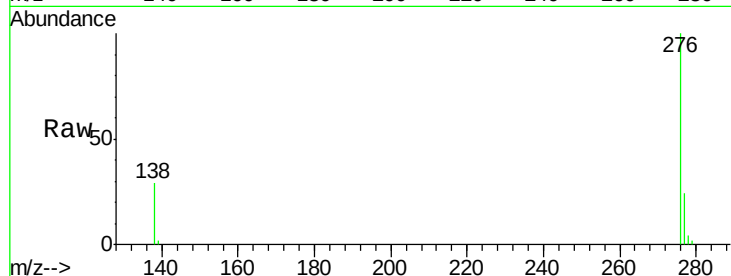
Acq: 06 Jun 2015 05:06

Instrument :

BNA\_M

ClientSampleId :

ICVBM060615



Tgt Ion: 276 Resp: 15217

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 29.3 23.7 35.5

Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

