

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051216\  
 Data File : BM005416.D  
 Acq On : 12 May 2016 12:37  
 Operator : UM/SJ  
 Sample : H2846-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AC8

Quant Time: May 13 03:23:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 13 03:22:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 81592    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 379390   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 214679   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.15 | 188  | 412136   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 381842   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.61 | 264  | 379837   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 1750   | 1.01  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 42347  | 5.72  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 113420 | 26.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 125542 | 22.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 84817  | 13.87 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 79514  | 29.36 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 92890  | 30.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 155961 | 27.36 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 7253   | 1.06  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.81 | 166 | 518711 | 30.14 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 620943 | 30.77 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 12400  | 3.95  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.39 | 176 | 423635 | 28.51 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 60497  | 26.09 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.24 | 188 | 573227 | 31.46 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.55 | 212 | 539532 | 30.61 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.47 | 264 | 518813 | 30.86 | ng/ul | 0.00 |

## Target Compounds

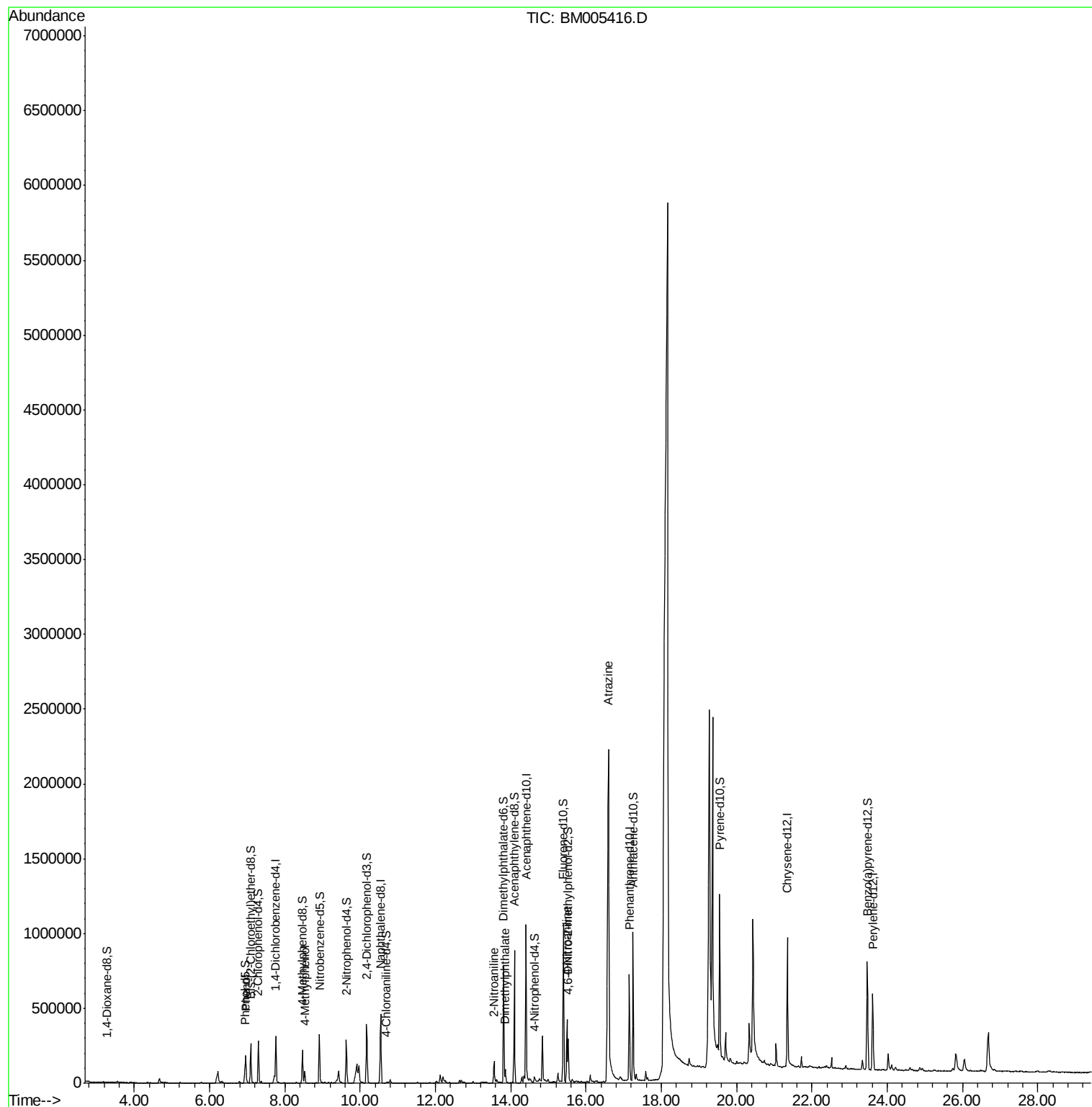
|                       |       |     |        |       |        | Qvalue |
|-----------------------|-------|-----|--------|-------|--------|--------|
| 6) Phenol             | 6.96  | 94  | 105355 | 13.77 | ng/ul  | 99     |
| 16) 4-Methylphenol    | 8.52  | 108 | 30328  | 4.62  | ng/ul  | 86     |
| 42) 2-Nitroaniline    | 13.56 | 65  | 13426  | 3.39  | ng/ul# | 22     |
| 44) Dimethylphthalate | 13.86 | 163 | 51070  | 2.97  | ng/ul  | 99     |
| 60) 4-Nitroaniline    | 15.49 | 138 | 118103 | 30.83 | ng/ul# | 17     |
| 67) Atrazine          | 16.59 | 200 | 4884   | 1.19  | ng/ul# | 49     |

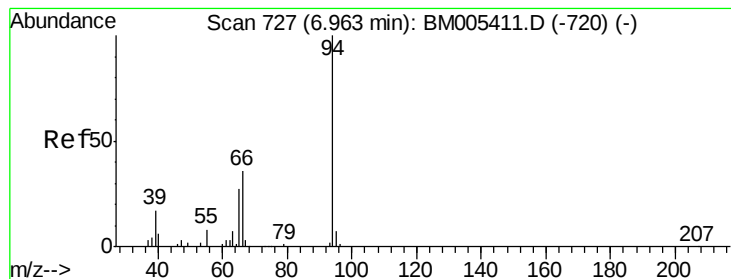
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 13.77 ng/ul

RT: 6.96 min Scan# 726

Delta R.T. -0.01 min

Lab File: BM005416.D

Acq: 12 May 2016 12:37

Instrument :

BNA\_M

ClientSampleId :

C0AC8

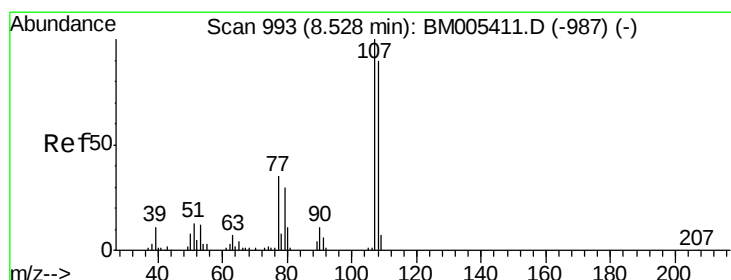
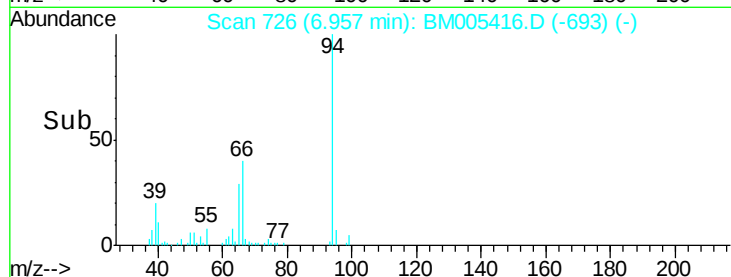
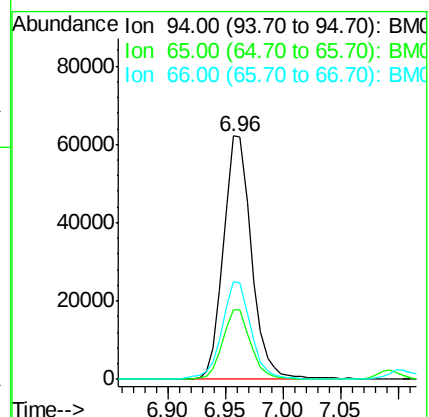
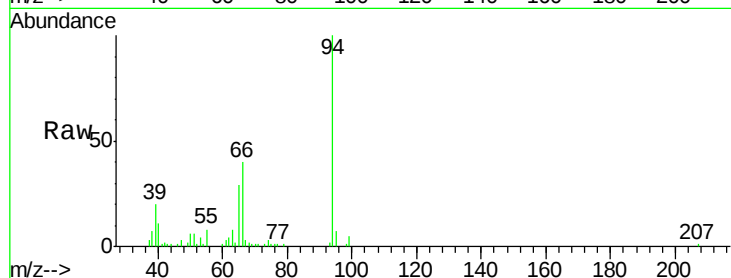
Tgt Ion: 94 Resp: 105355

Ion Ratio Lower Upper

94 100

65 28.5 22.7 34.1

66 40.3 31.7 47.5



#16

4-Methylphenol

Concen: 4.62 ng/ul

RT: 8.52 min Scan# 992

Delta R.T. -0.01 min

Lab File: BM005416.D

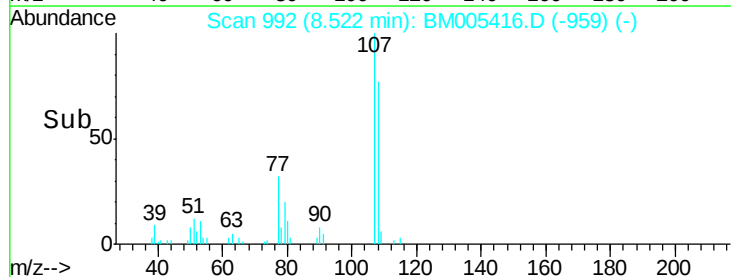
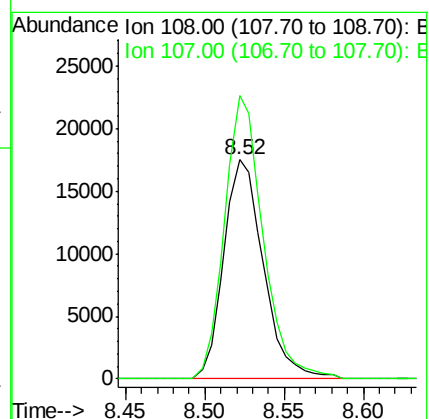
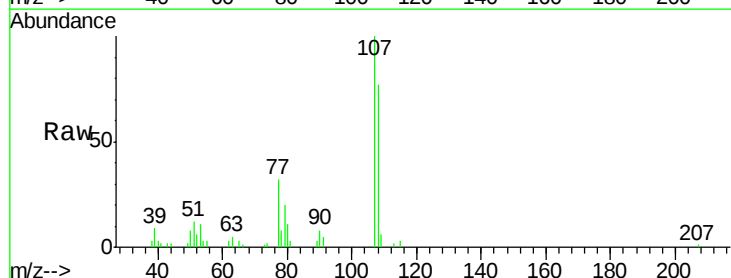
Acq: 12 May 2016 12:37

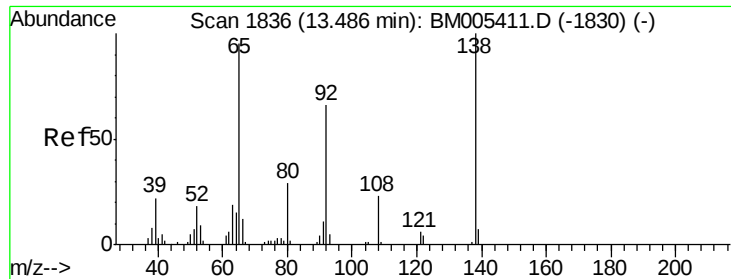
Tgt Ion: 108 Resp: 30328

Ion Ratio Lower Upper

108 100

107 129.2 91.1 136.7





#42

2-Nitroaniline

Concen: 3.39 ng/ul

RT: 13.56 min Scan# 1848

Delta R.T. 0.07 min

Lab File: BM005416.D

Acq: 12 May 2016 12:37

Instrument :

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ClientSampleId :

C0AC8

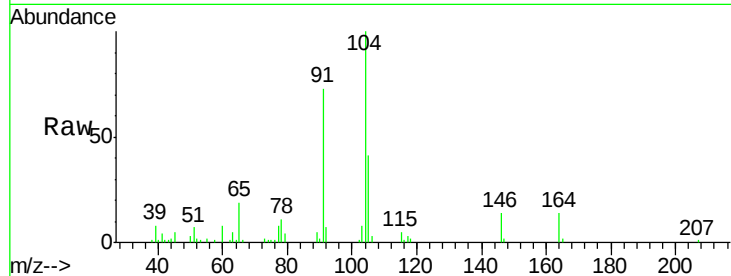
Tgt Ion: 65 Resp: 13426

Ion Ratio Lower Upper

65 100

92 36.8 60.1 90.1#

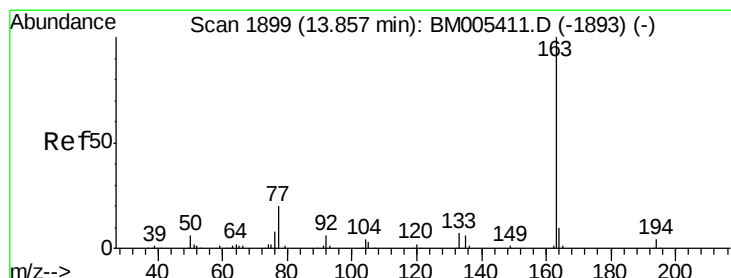
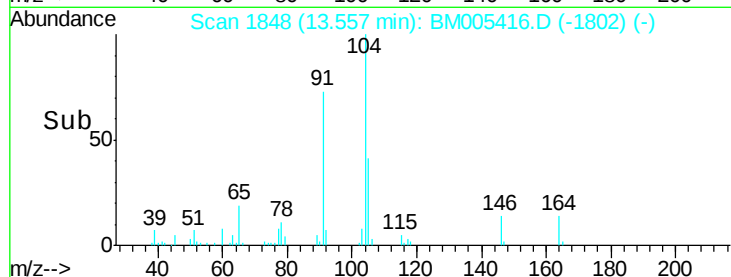
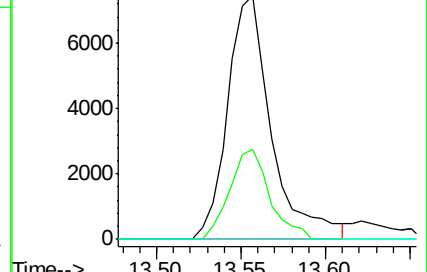
138 0.0 84.0 126.0#



Abundance Ion 65.00 (64.70 to 65.70): BM005411.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BM005411.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BM005411.D (-1830) (-)



#44

Dimethylphthalate

Concen: 2.97 ng/ul

RT: 13.86 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BM005416.D

Acq: 12 May 2016 12:37

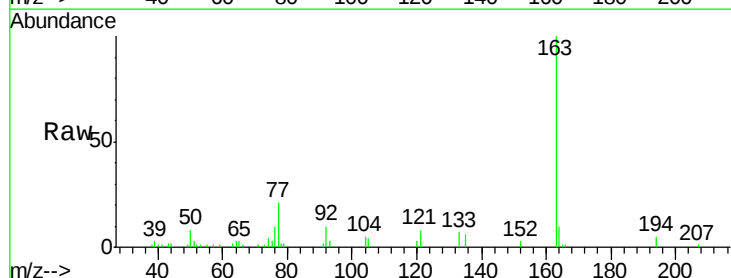
Tgt Ion: 163 Resp: 51070

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

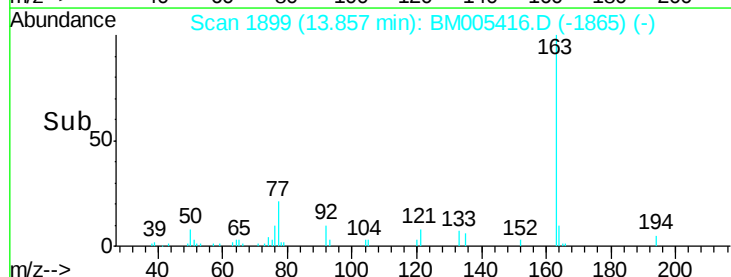
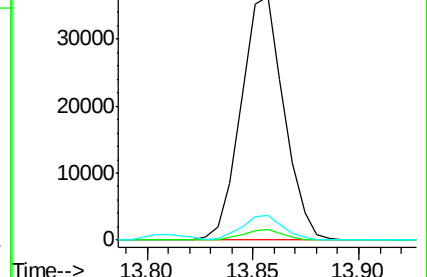
164 10.3 7.9 11.9

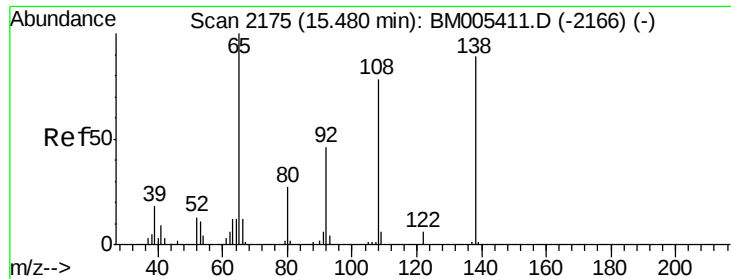


Abundance Ion 163.00 (162.70 to 163.70): BM005411.D (-1893) (-)

Ion 194.00 (193.70 to 194.70): BM005411.D (-1893) (-)

Ion 164.00 (163.70 to 164.70): BM005411.D (-1893) (-)





#60

4-Nitroaniline

Concen: 30.83 ng/ul

RT: 15.49 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BM005416.D

Acq: 12 May 2016 12:37

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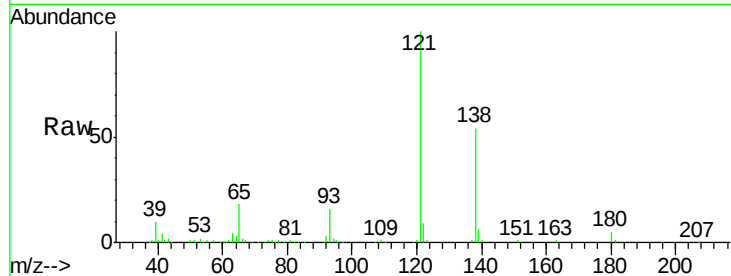
Tgt Ion:138 Resp: 118103

Ion Ratio Lower Upper

138 100

92 5.7 44.3 66.5#

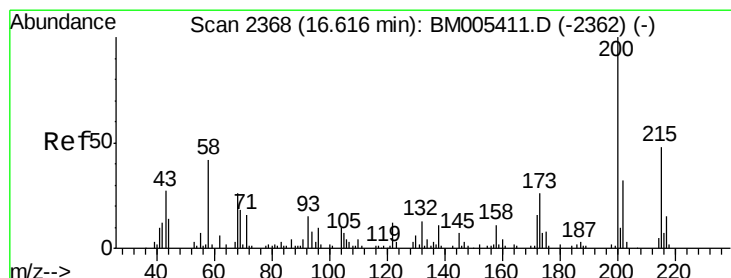
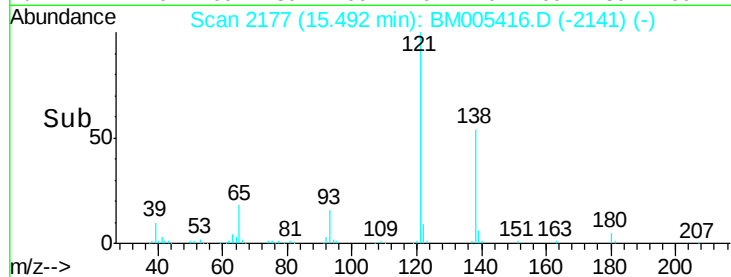
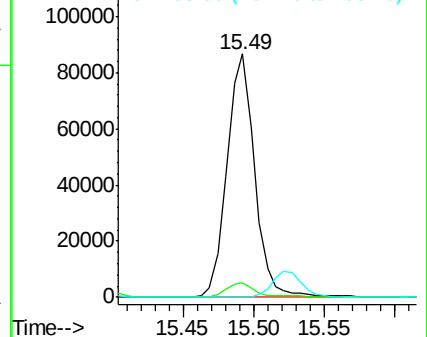
108 0.0 66.3 99.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#67

Atrazine

Concen: 1.19 ng/ul

RT: 16.59 min Scan# 2363

Delta R.T. -0.03 min

Lab File: BM005416.D

Acq: 12 May 2016 12:37

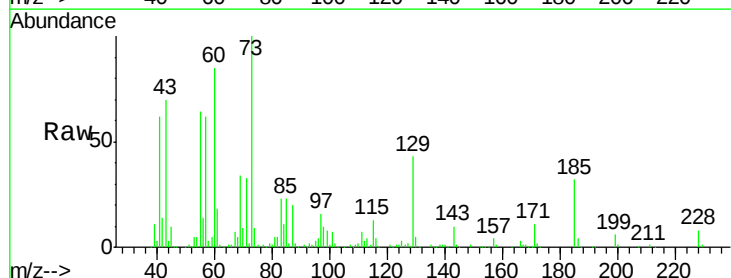
Tgt Ion:200 Resp: 4884

Ion Ratio Lower Upper

200 100

173 17.6 21.0 31.4#

215 0.0 37.4 56.2#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

