

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042015\  
 Data File : BM001087.D  
 Acq On : 21 Apr 2015 04:35  
 Operator : TP/IZ  
 Sample : G1859-05MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 21 07:03:03 2015  
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM01.2-EPA-BM041515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 16 05:47:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 216402   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 893751   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.24 | 164  | 488856   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 1025024  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.18 | 240  | 1026192  | 20.00 | ng/ul | -0.01    |
| 83) Perylene-d12          | 23.35 | 264  | 988379   | 20.00 | ng/ul | -0.02    |

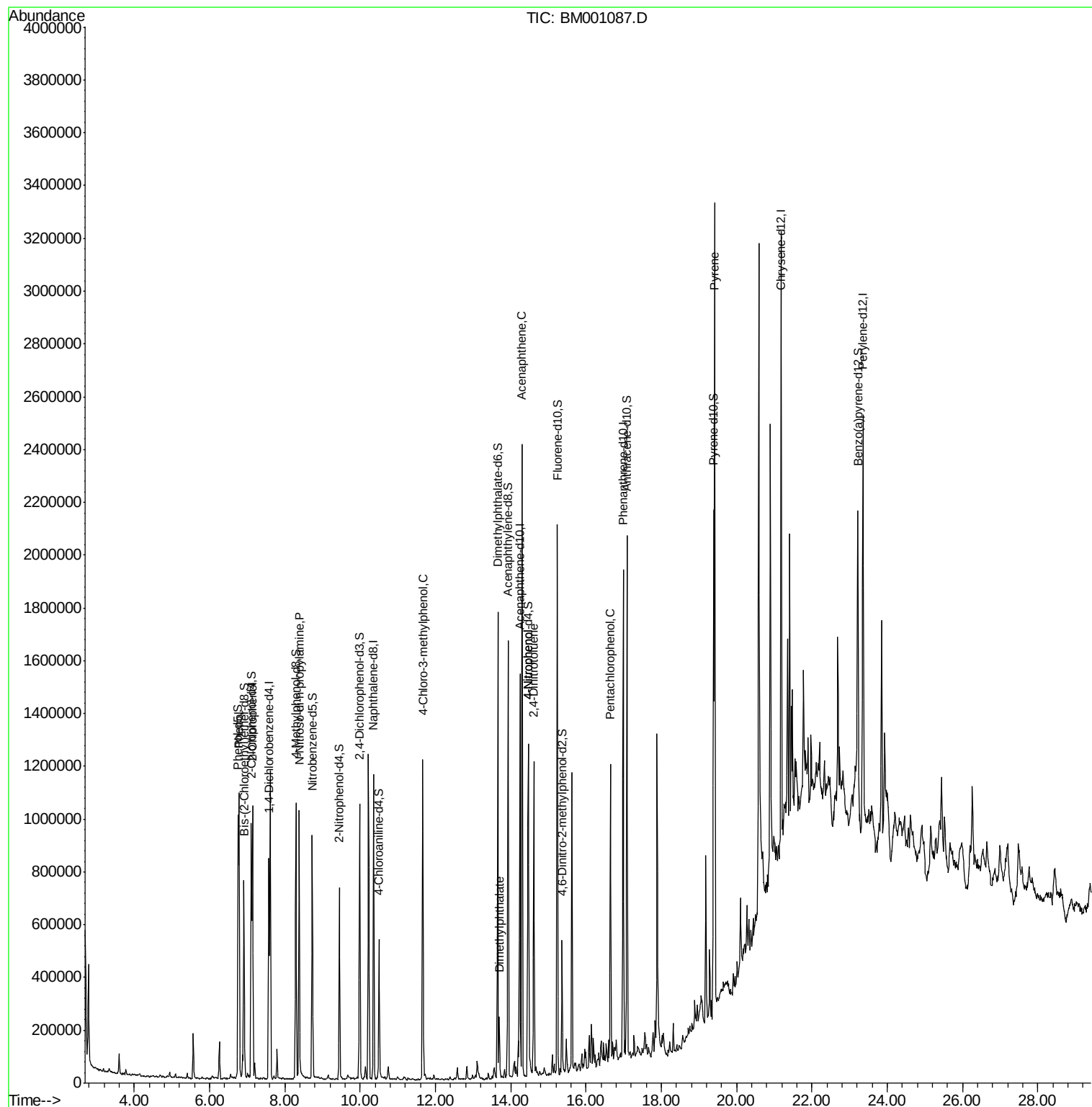
| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96   | 0d       | 0.00  | ng/uL |          |
| 5) Phenol-d5                   | 6.76  | 99   | 526100   | 31.17 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67   | 332654   | 31.63 | ng/ul | -0.01    |
| 9) 2-Chlorophenol-d4           | 7.10  | 132  | 431059   | 31.40 | ng/ul | -0.01    |
| 13) 4-Methylphenol-d8          | 8.29  | 113  | 370742   | 27.83 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.73  | 128  | 210865   | 34.99 | ng/ul | -0.01    |
| 22) 2-Nitrophenol-d4           | 9.45  | 143  | 223708   | 33.24 | ng/ul | -0.01    |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165  | 373521   | 28.48 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.50 | 131  | 268505   | 21.00 | ng/ul | -0.01    |
| 43) Dimethylphthalate-d6       | 13.65 | 166  | 1126520  | 34.59 | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 13.93 | 160  | 1192633  | 25.58 | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.46 | 143  | 189497   | 29.93 | ng/ul | 0.00     |
| 57) Fluorene-d10               | 15.23 | 176  | 736364   | 22.74 | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200  | 97556    | 17.53 | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.08 | 188  | 993422   | 21.41 | ng/ul | -0.01    |
| 76) Pyrene-d10                 | 19.39 | 212  | 906046   | 19.02 | ng/ul | 0.00     |
| 87) Benzo(a)pyrene-d12         | 23.21 | 264  | 617865   | 13.96 | ng/ul | -0.02    |

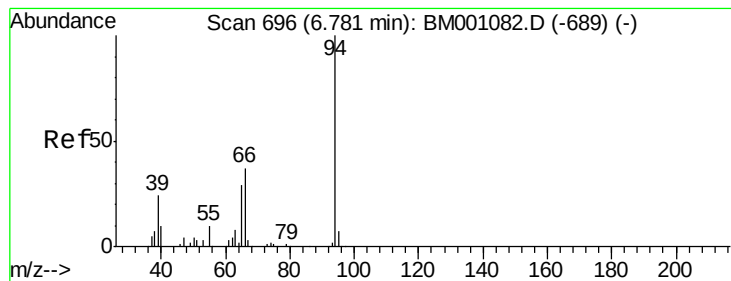
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) Phenol                      | 6.78  | 94   | 544397   | 30.49 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.14  | 128  | 433294   | 29.82 | ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.38  | 70   | 328964   | 30.61 | ng/ul | 93     |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107  | 419309   | 31.17 | ng/ul | 98     |
| 44) Dimethylphthalate          | 13.70 | 163  | 142491   | 3.90  | ng/ul | 98     |
| 49) Acenaphthene               | 14.30 | 153  | 916945   | 27.49 | ng/ul | 99     |
| 52) 4-Nitrophenol              | 14.47 | 109  | 145221   | 30.33 | ng/ul | 95     |
| 54) 2,4-Dinitrotoluene         | 14.61 | 165  | 307327   | 30.52 | ng/ul | 96     |
| 68) Pentachlorophenol          | 16.64 | 266  | 186797   | 31.42 | ng/ul | 98     |
| 77) Pyrene                     | 19.42 | 202  | 1714856  | 26.31 | ng/ul | 98     |

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

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QLast Update : Thu Apr 16 05:47:45 2015  
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#6

Phenol

Concen: 30.49 ng/ul

RT: 6.78 min Scan# 696

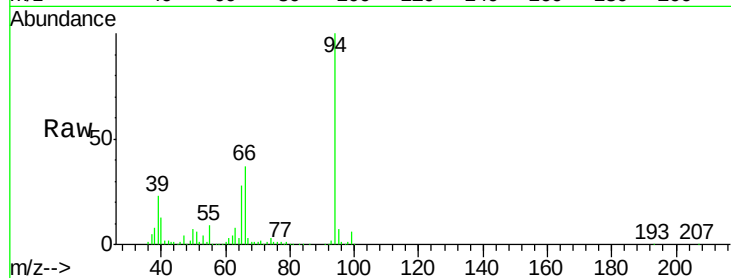
Delta R.T. -0.01 min

Lab File: BM001087.D

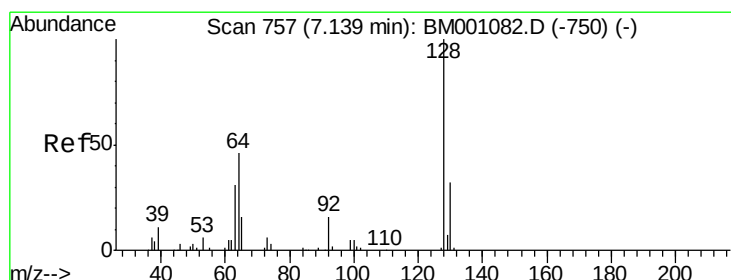
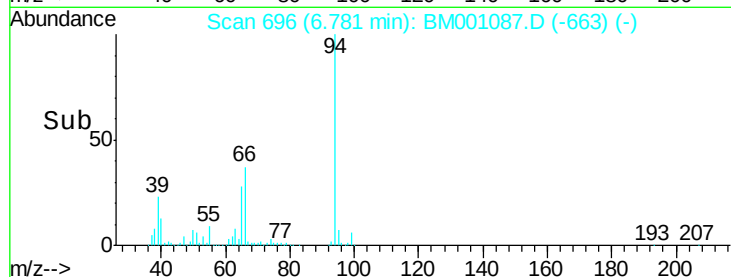
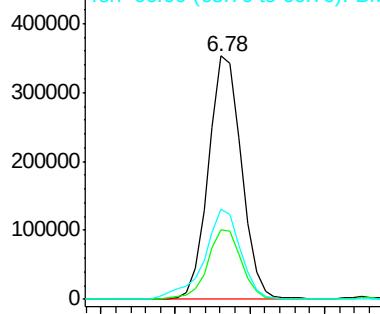
Acq: 21 Apr 2015 04:35

Tot Ion: 94 Resp: 544397

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.3  | 24.9  | 37.3  |
| 66  | 37.2  | 29.8  | 44.8  |



Abundance Ion 94.00 (93.70 to 94.70): BM001082.D (-689) (-)



#10

2-Chlorophenol

Concen: 29.82 ng/ul

RT: 7.14 min Scan# 757

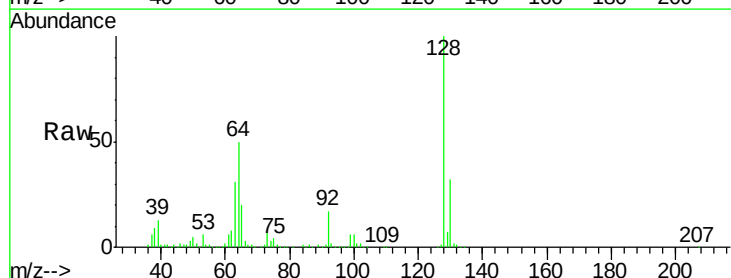
Delta R.T. -0.01 min

Lab File: BM001087.D

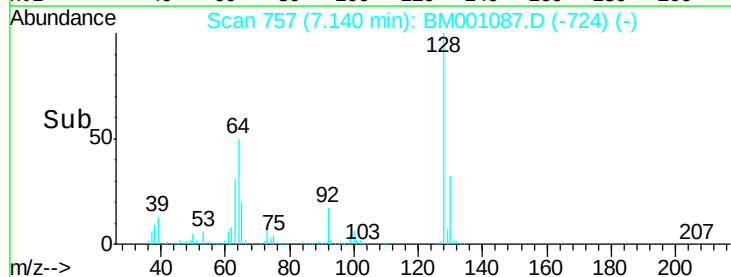
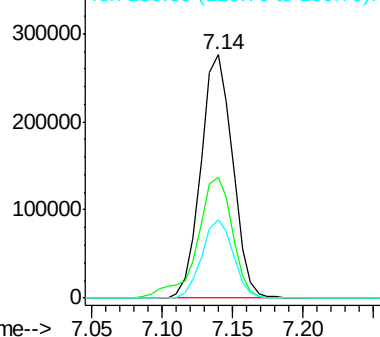
Acq: 21 Apr 2015 04:35

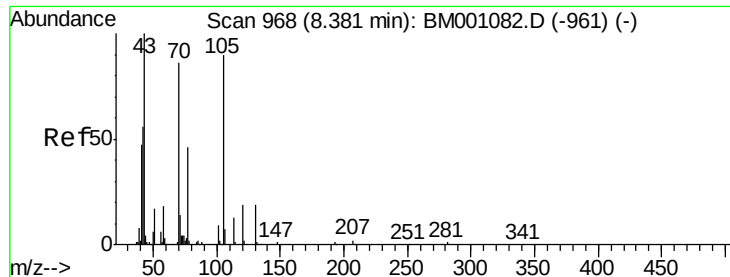
Tgt Ion: 128 Resp: 433294

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 64  | 49.5  | 40.4  | 60.6  |
| 130 | 32.1  | 24.9  | 37.3  |



Abundance Ion 128.00 (127.70 to 128.70): BM001082.D (-750) (-)

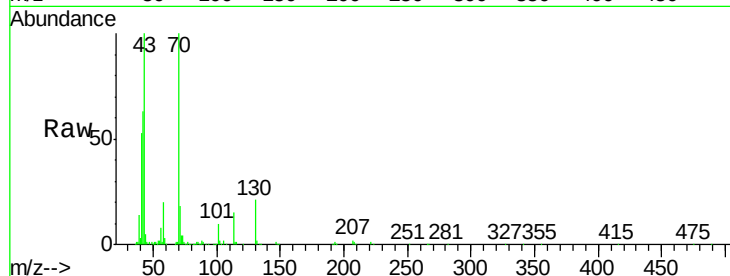




#15  
N-Nitroso-di-n-propylamine  
Concen: 30.61 ng/ul  
RT: 8.38 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BM001087.D  
Acq: 21 Apr 2015 04:35

Tot Ion: 70 Resp: 328964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 63.0  | 56.3  | 84.5  |
| 101 | 9.8   | 7.5   | 11.3  |
| 130 | 21.0  | 18.4  | 27.6  |

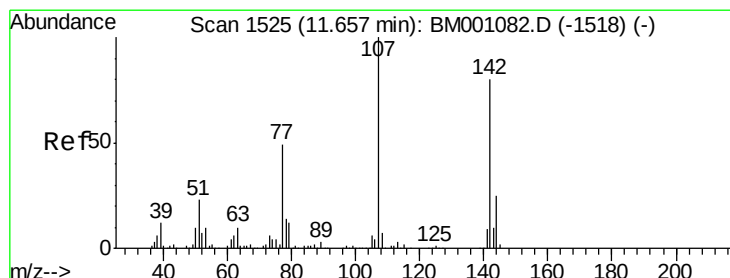
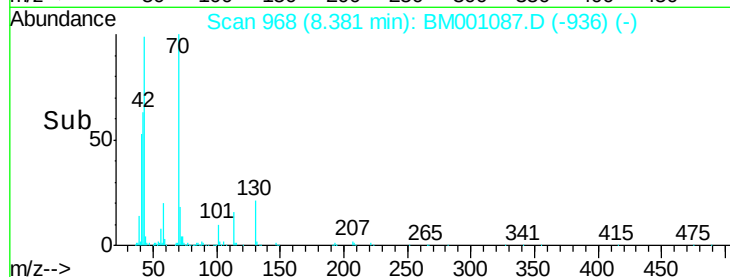
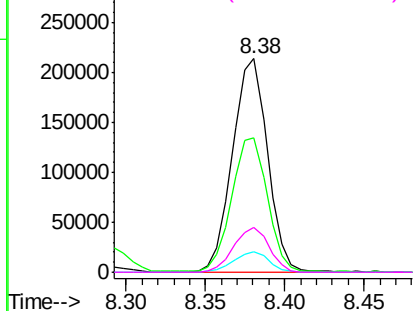


Abundance Ion 70.00 (69.70 to 70.70): BM001087.D (-961) (-)

Ion 42.00 (41.70 to 42.70): BM001087.D (-961) (-)

Ion 101.00 (100.70 to 101.70): BM001087.D (-961) (-)

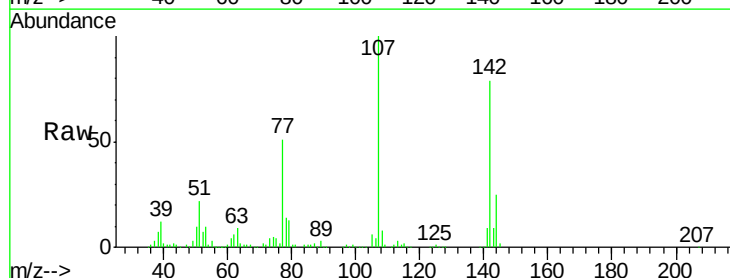
Ion 130.00 (129.70 to 130.70): BM001087.D (-961) (-)



#33  
4-Chloro-3-methylphenol  
Concen: 31.17 ng/ul  
RT: 11.66 min Scan# 1525  
Delta R.T. -0.01 min  
Lab File: BM001087.D  
Acq: 21 Apr 2015 04:35

Tgt Ion: 107 Resp: 419309

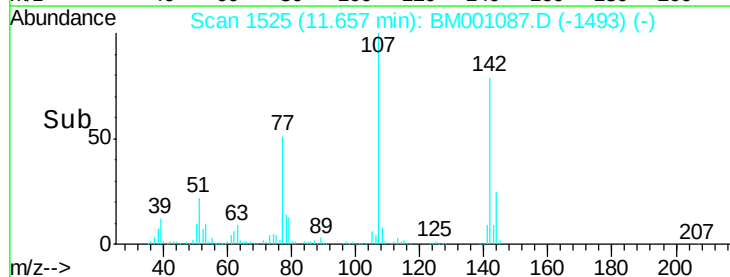
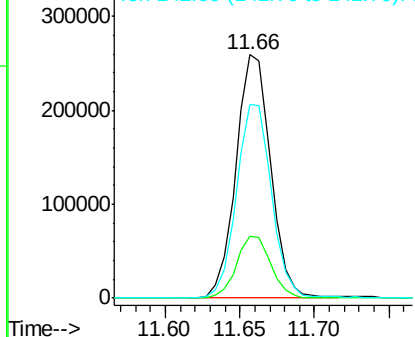
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 144 | 25.2  | 20.2  | 30.2  |
| 142 | 79.4  | 65.6  | 98.4  |

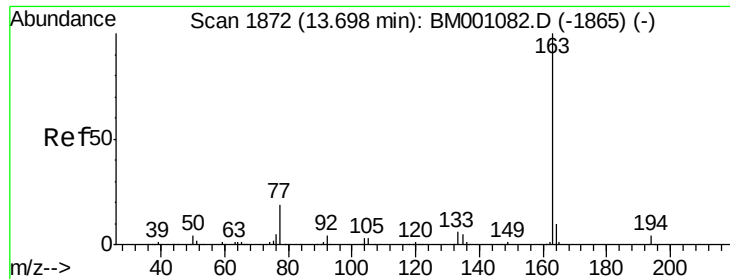


Abundance Ion 107.00 (106.70 to 107.70): BM001087.D (-1518) (-)

Ion 144.00 (143.70 to 144.70): BM001087.D (-1518) (-)

Ion 142.00 (141.70 to 142.70): BM001087.D (-1518) (-)





#44

Dimethylphthalate

Concen: 3.90 ng/ul

RT: 13.70 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BM001087.D

Acq: 21 Apr 2015 04:35

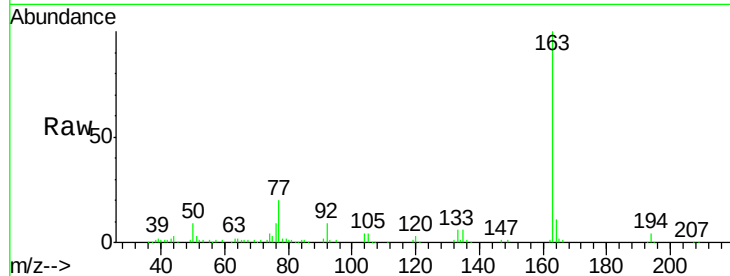
Tot Ion:163 Resp: 142491

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.4

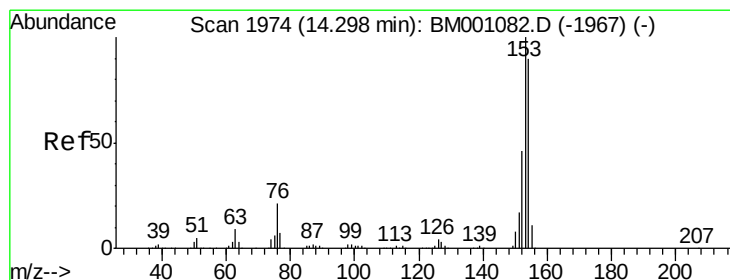
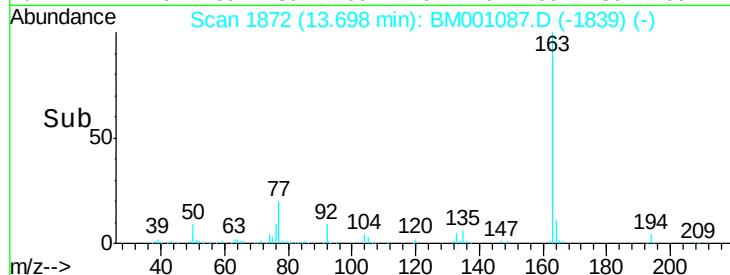
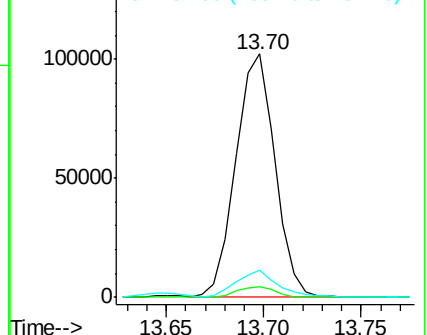
164 11.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 27.49 ng/ul

RT: 14.30 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BM001087.D

Acq: 21 Apr 2015 04:35

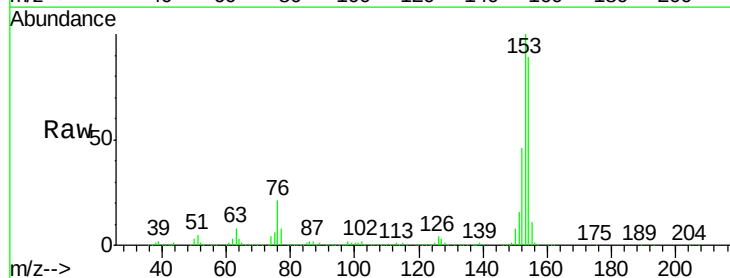
Tgt Ion:153 Resp: 916945

Ion Ratio Lower Upper

153 100

152 46.2 37.8 56.6

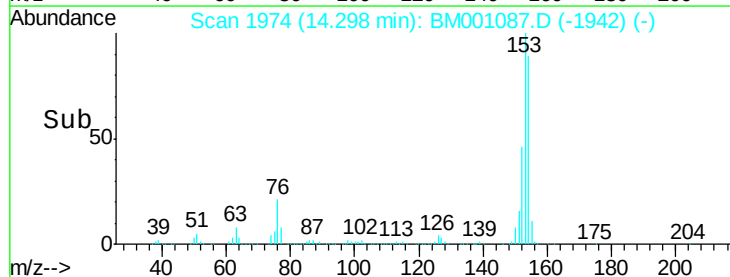
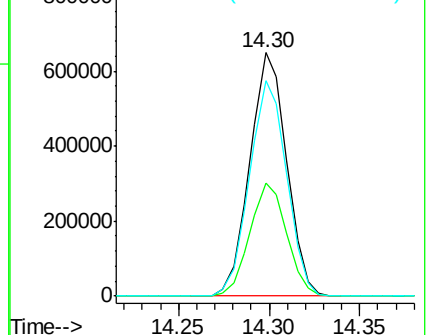
154 88.6 71.2 106.8

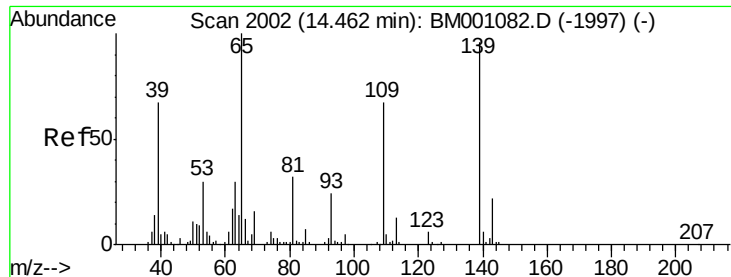


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 30.33 ng/ul

RT: 14.47 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BM001087.D

Acq: 21 Apr 2015 04:35

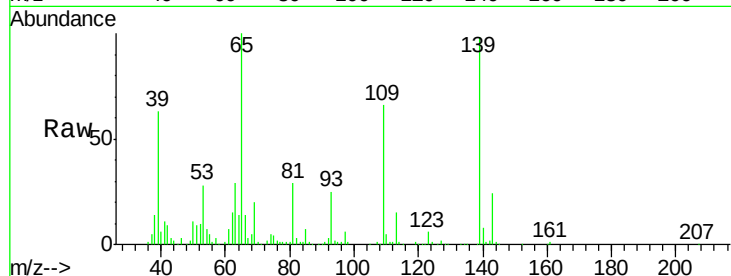
Tot Ion:109 Resp: 145221

Ion Ratio Lower Upper

109 100

139 147.1 112.6 168.8

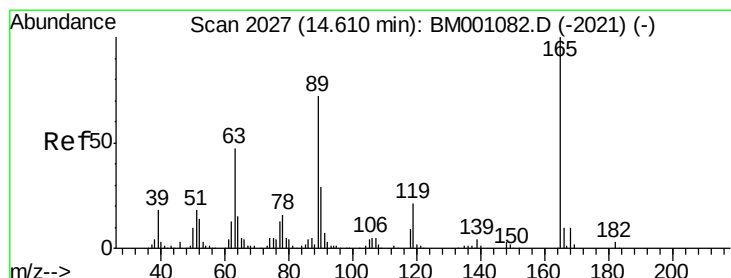
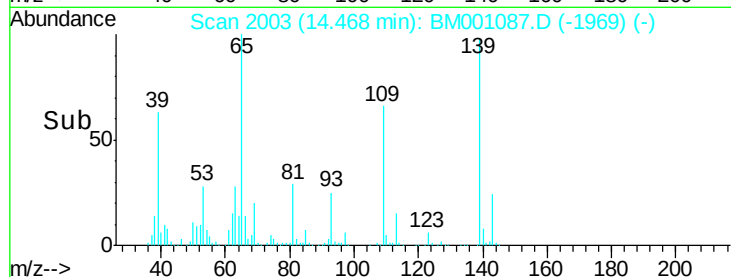
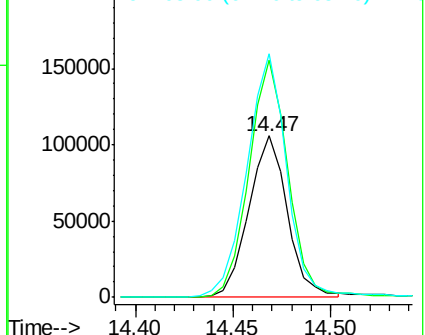
65 150.7 115.9 173.9



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#54

2,4-Dinitrotoluene

Concen: 30.52 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BM001087.D

Acq: 21 Apr 2015 04:35

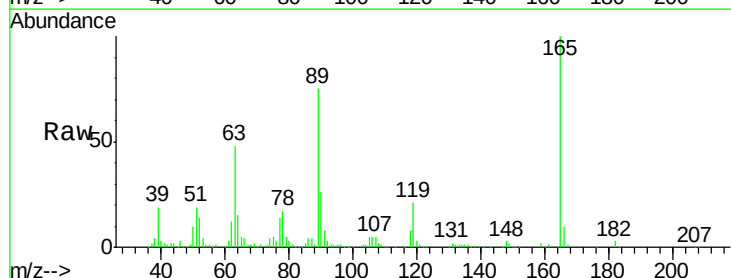
Tgt Ion:165 Resp: 307327

Ion Ratio Lower Upper

165 100

63 47.7 36.1 54.1

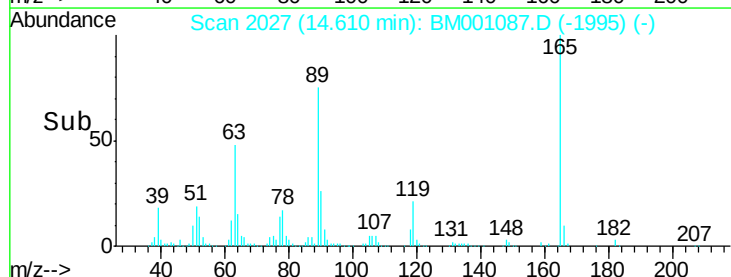
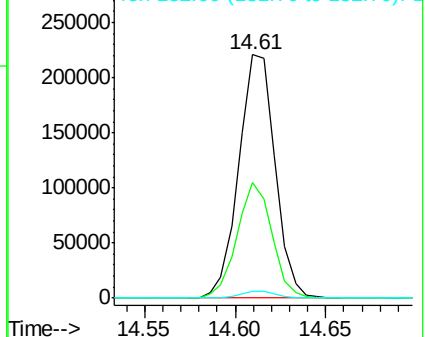
182 3.0 2.4 3.6

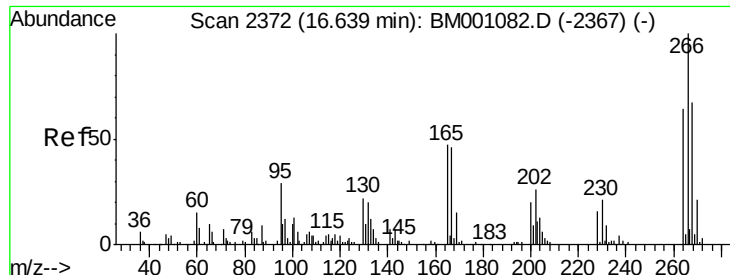


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

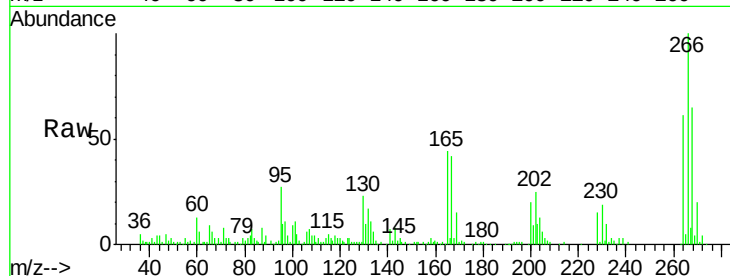
Ion 182.00 (181.70 to 182.70): E



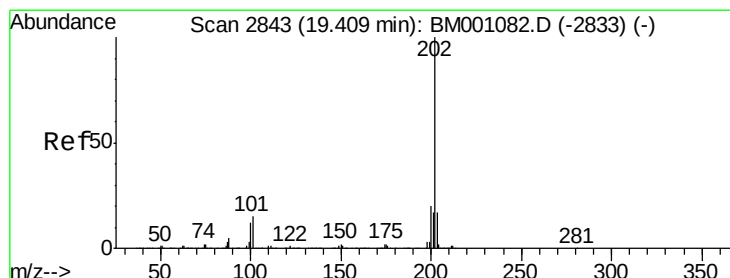
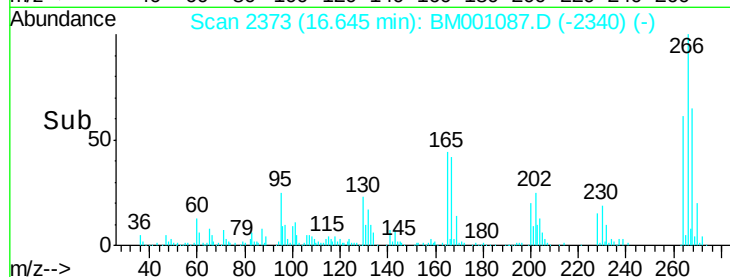
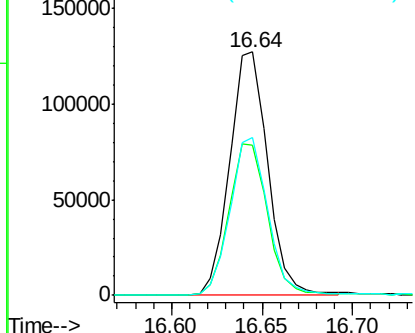


#68  
 Pentachlorophenol  
 Concen: 31.42 ng/ul  
 RT: 16.64 min Scan# 2373  
 Delta R.T. -0.01 min  
 Lab File: BM001087.D  
 Acq: 21 Apr 2015 04:35

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 61.4  | 50.2  | 75.4  |
| 268     | 64.8  | 50.1  | 75.1  |

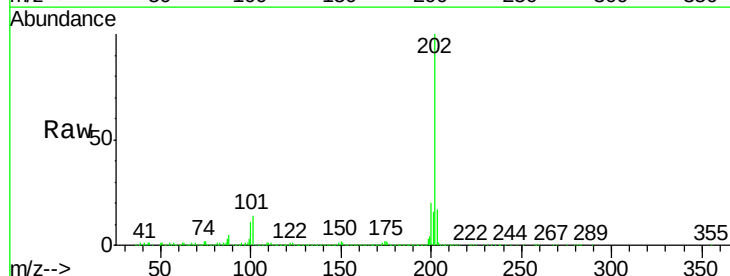


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#77  
 Pyrene  
 Concen: 26.31 ng/ul  
 RT: 19.42 min Scan# 2844  
 Delta R.T. -0.01 min  
 Lab File: BM001087.D  
 Acq: 21 Apr 2015 04:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.0  | 11.4  | 17.2  |
| 100     | 11.2  | 9.8   | 14.6  |



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): E

