

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM040516\  
 Data File : BM004886.D  
 Acq On : 05 Apr 2016 18:44  
 Operator : UM/SJ  
 Sample : H2086-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AG3

Quant Time: Apr 06 01:36:39 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM040116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 06 01:34:45 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 42967    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 205865   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.46 | 164  | 122235   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.20 | 188  | 299505   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.39 | 240  | 384492   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.68 | 264  | 401262   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 989    | 0.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 18637  | 4.88  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 61135  | 29.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 64594  | 22.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 42438  | 13.23 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 42946  | 29.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 46157  | 28.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 76924  | 25.40 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 2920   | 0.81  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.86 | 166 | 303227 | 31.44 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.15 | 160 | 355847 | 30.85 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.65 | 143 | 6836   | 3.59  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.45 | 176 | 267751 | 32.12 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 42409  | 23.63 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.30 | 188 | 442711 | 33.04 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.59 | 212 | 529247 | 31.71 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.53 | 264 | 580292 | 32.64 | ng/ul | 0.00 |

## Target Compounds

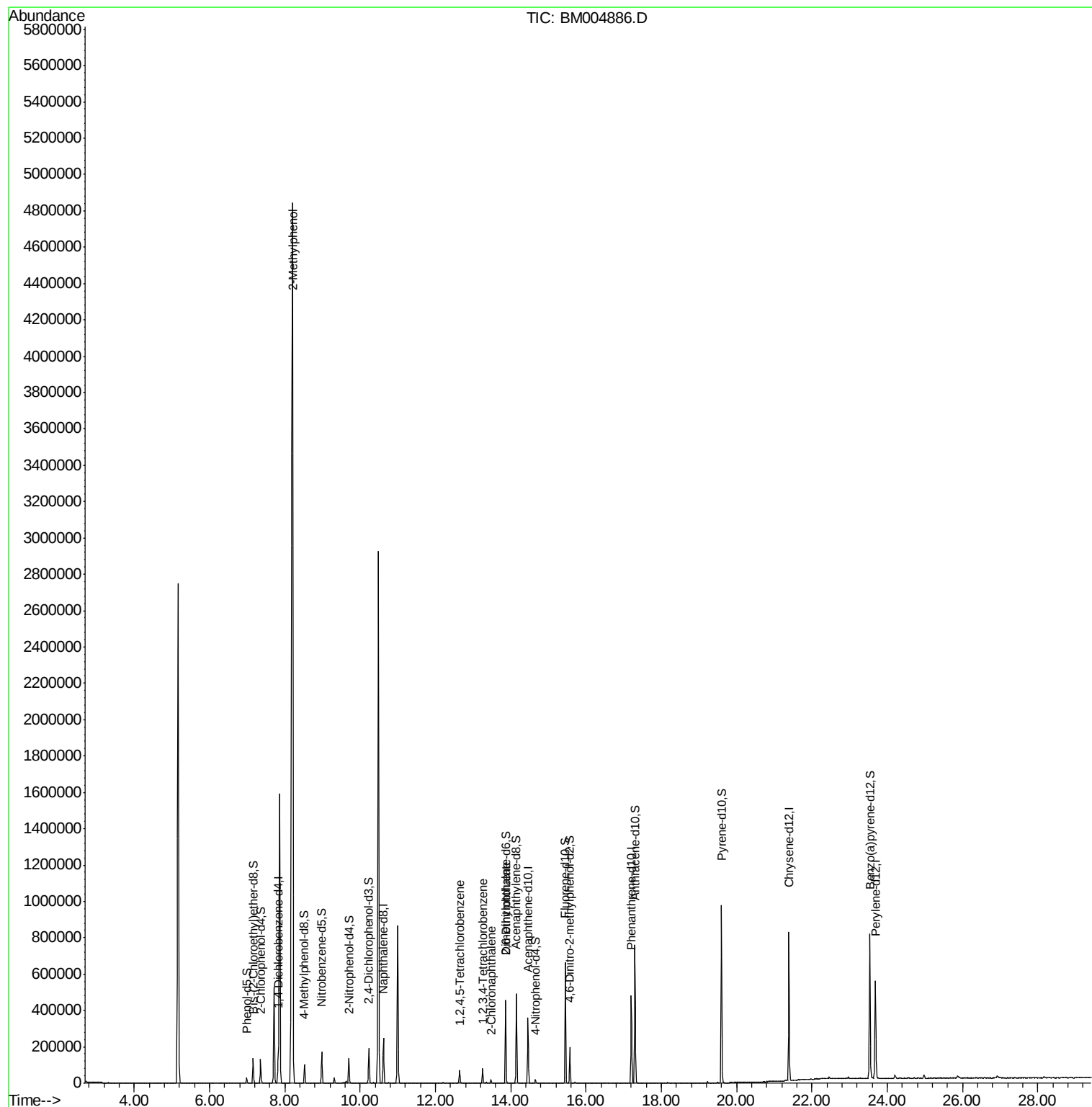
|                                |       |     |       |      |        | Qvalue |
|--------------------------------|-------|-----|-------|------|--------|--------|
| 11) 2-Methylphenol             | 8.20  | 108 | 28875 | 9.18 | ng/ul  | 92     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 26637 | 7.04 | ng/ul  | 99     |
| 42) 2-Chloronaphthalene        | 13.47 | 162 | 8344  | 1.12 | ng/ul# | 39     |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165 | 2081  | 1.09 | ng/ul# | 37     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.25 | 216 | 25213 | 6.48 | ng/uL  | 98     |

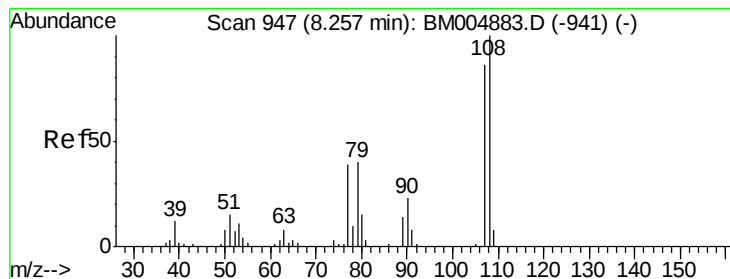
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 06 01:34:45 2016  
Response via : Initial Calibration





#11

2-Methylphenol

Concen: 9.18 ng/ul

RT: 8.20 min Scan# 937

Delta R.T. -0.06 min

Lab File: BM004886.D

Acq: 05 Apr 2016 18:44

Instrument :

BNA\_M

ClientSampleId :

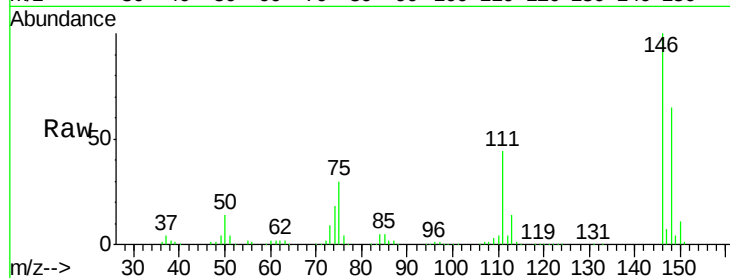
C0AG3

Tgt Ion:108 Resp: 28875

Ion Ratio Lower Upper

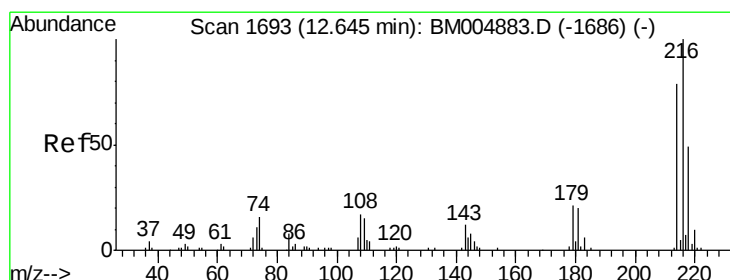
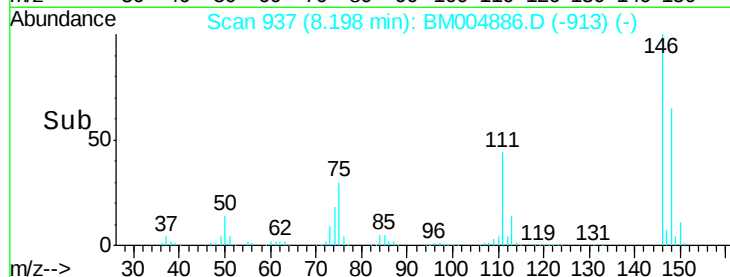
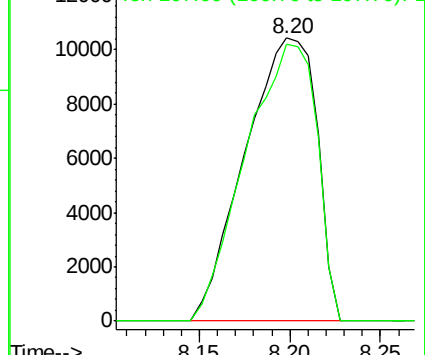
108 100

107 97.8 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#37

1,2,4,5-Tetrachlorobenzene

Concen: 7.04 ng/ul

RT: 12.65 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BM004886.D

Acq: 05 Apr 2016 18:44

Tgt Ion:216 Resp: 26637

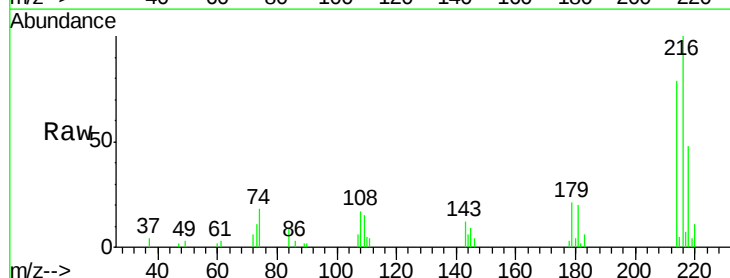
Ion Ratio Lower Upper

216 100

214 78.8 62.5 93.7

179 20.8 18.2 27.2

108 17.5 14.2 21.2

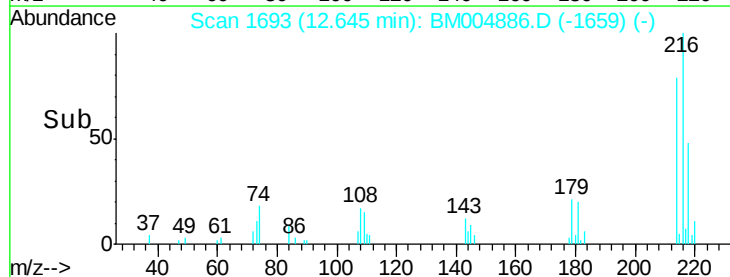
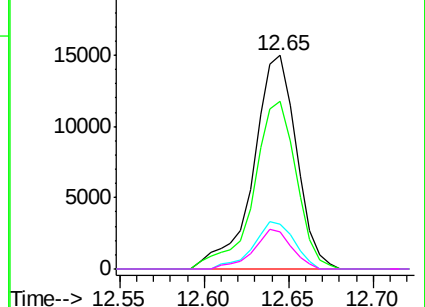


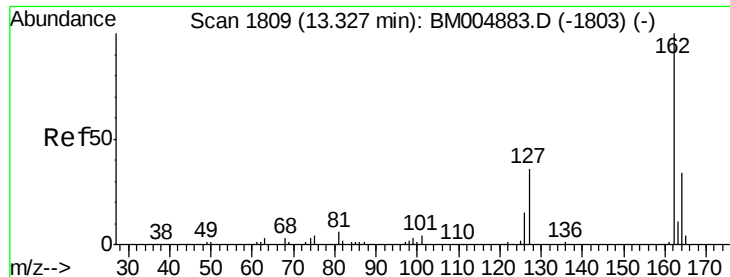
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

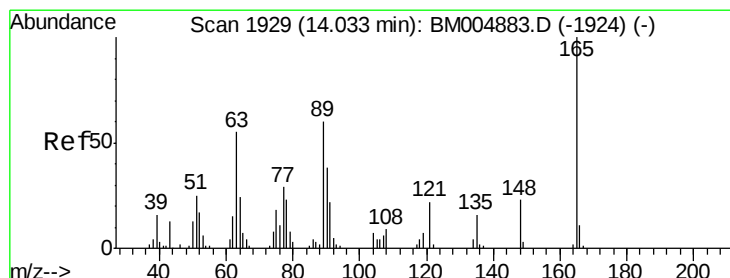
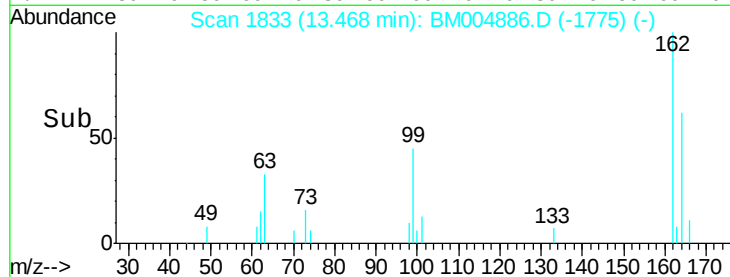
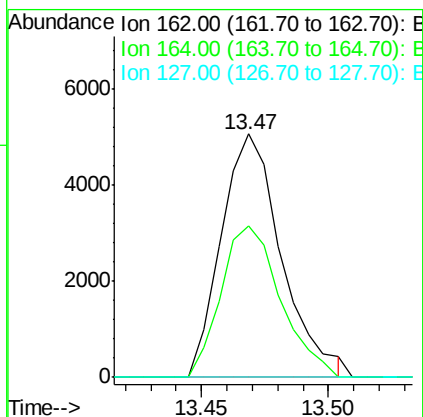
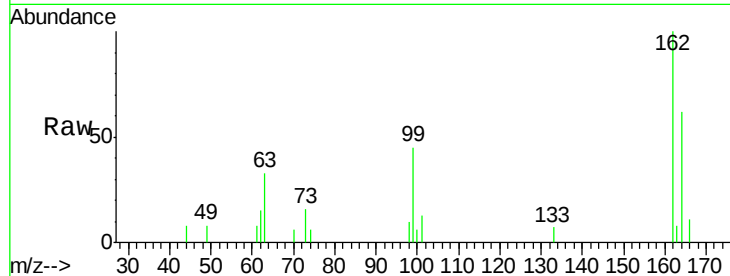




#42  
 2-Chloronaphthalene  
 Concen: 1.12 ng/ul  
 RT: 13.47 min Scan# 1833  
 Delta R.T. 0.14 min  
 Lab File: BM004886.D  
 Acq: 05 Apr 2016 18:44

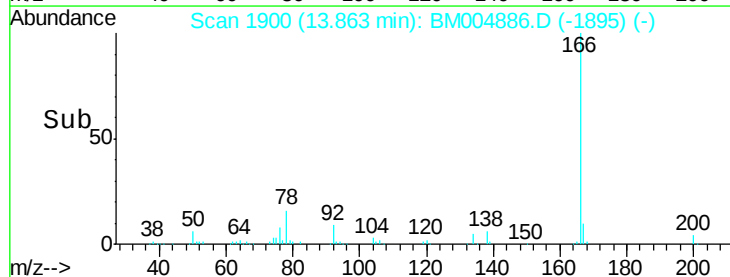
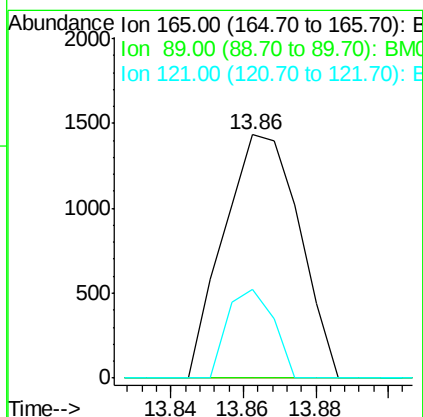
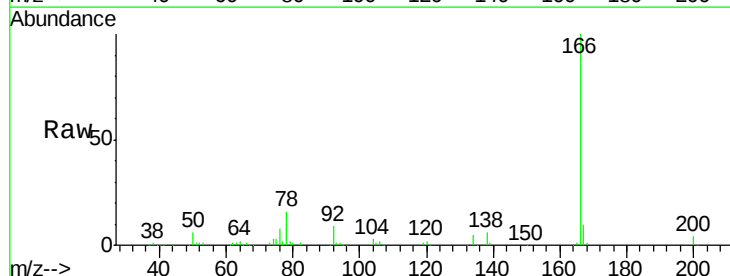
Instrument :  
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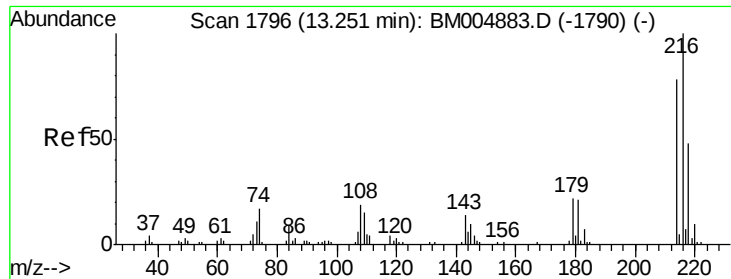
Tgt Ion:162 Resp: 8344  
 Ion Ratio Lower Upper  
 162 100  
 164 62.1 25.9 38.9#  
 127 0.0 34.1 51.1#



#46  
 2,6-Dinitrotoluene  
 Concen: 1.09 ng/ul  
 RT: 13.86 min Scan# 1900  
 Delta R.T. -0.17 min  
 Lab File: BM004886.D  
 Acq: 05 Apr 2016 18:44

Tgt Ion:165 Resp: 2081  
 Ion Ratio Lower Upper  
 165 100  
 89 0.0 42.4 63.6#  
 121 36.5 16.6 24.8#

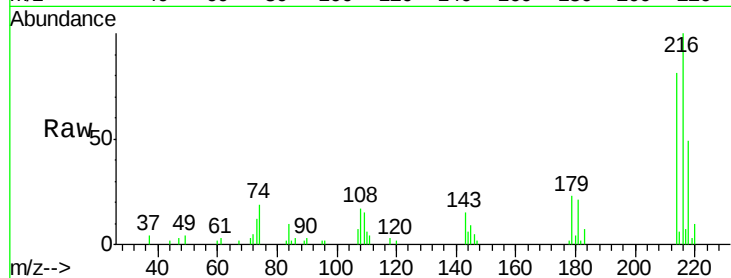




#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 6.48 ng/uL  
 RT: 13.25 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: BM004886.D  
 Acq: 05 Apr 2016 18:44

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AG3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 80.6  | 62.5  | 93.7  |
| 218     | 49.2  | 38.4  | 57.6  |



Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 218.00 (217.70 to 218.70): E

