

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032417\  
 Data File : BM009381.D  
 Acq On : 24 Mar 2017 15:50  
 Operator : SJ/MA  
 Sample : I2358-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ4

Manual Integrations  
 APPROVED

mohammad  
 3/27/2017 1:17:26 PM

Quant Time: Mar 25 06:32:26 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 25 00:01:17 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 175318m  | 20.00 | ng/ul | 0.05     |
| 18) Naphthalene-d8        | 10.67 | 136  | 534472   | 20.00 | ng/ul | 0.02     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 309177   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 706502   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.42 | 240  | 940468   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.75 | 264  | 896839   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 16835   | 3.66  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.02  | 99  | 82112   | 5.18  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.20  | 67  | 276121  | 24.43 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 218379  | 20.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 156059  | 13.19 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.03  | 128 | 139061  | 35.39 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.75  | 143 | 152217  | 35.73 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.28 | 165 | 259646  | 30.98 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.81 | 131 | 25848   | 2.68  | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 901009  | 41.44 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 1097307 | 40.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 29051   | 7.25  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.49 | 176 | 788436  | 39.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 144097  | 32.27 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 1289451 | 38.27 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.64 | 212 | 1575450 | 39.51 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.60 | 264 | 1666856 | 40.36 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 6) Phenol                      | 7.04  | 94  | 28741m  | 1.69   | ng/ul  |        |
| 20) Nitrobenzene               | 9.09  | 77  | 9560749 | 721.80 | ng/ul# | 82     |
| 23) 2-Nitrophenol              | 9.78  | 139 | 16125   | 3.58   | ng/ul# | 61     |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.69 | 216 | 463949  | 44.66  | ng/ul  | 97     |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.30 | 216 | 1204240 | 115.94 | ng/uL  | 99     |
| 73) Pentachlorobenzene         | 14.82 | 250 | 34720   | 3.38   | ng/uL  | 90     |

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

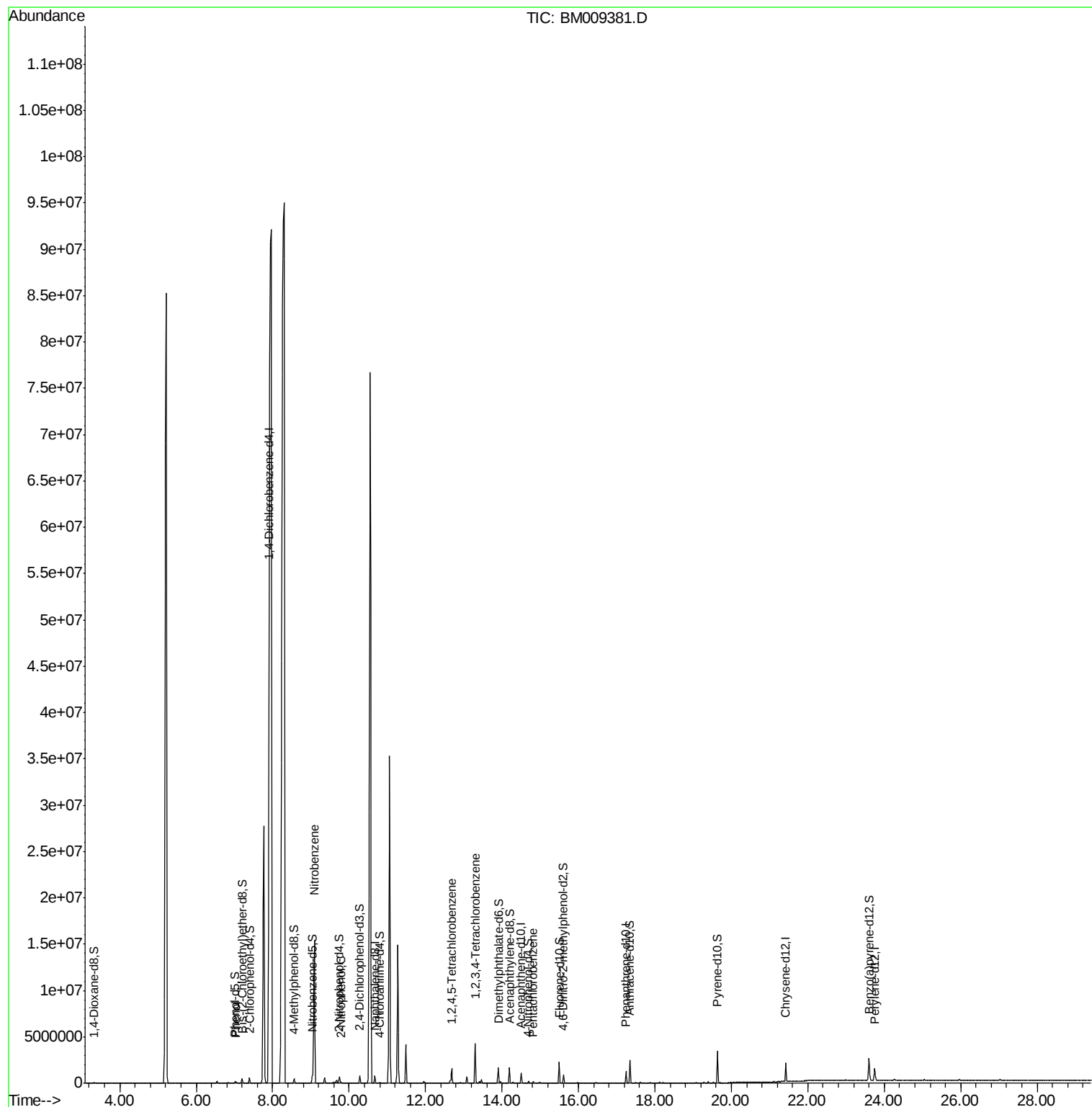
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032417\  
Data File : BM009381.D  
Acq On : 24 Mar 2017 15:50  
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ALS Vial : 5 Sample Multiplier: 1

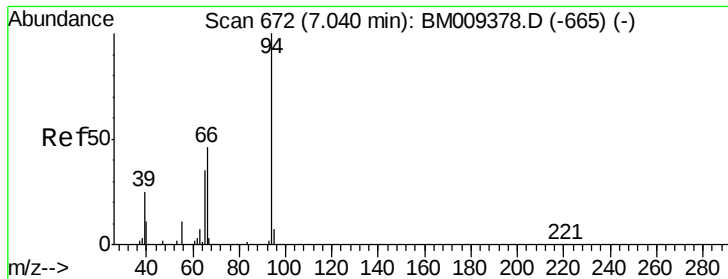
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ4

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Quant Time: Mar 25 06:32:26 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Mar 25 00:01:17 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 1.69 ng/ul m

RT: 7.04 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM009381.D

Acq: 24 Mar 2017 15:50

Instrument :

BNA\_M

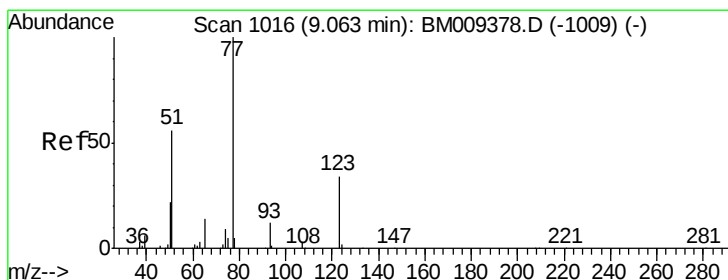
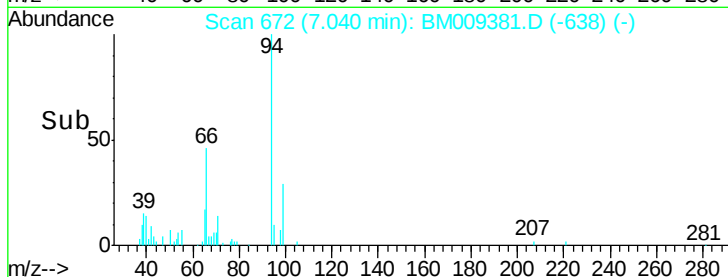
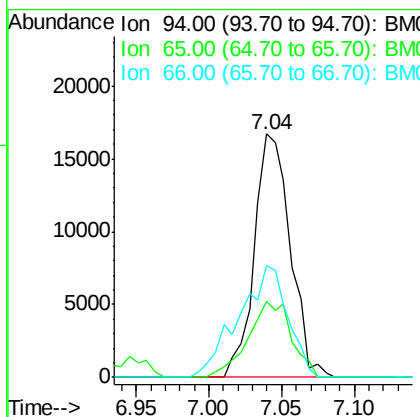
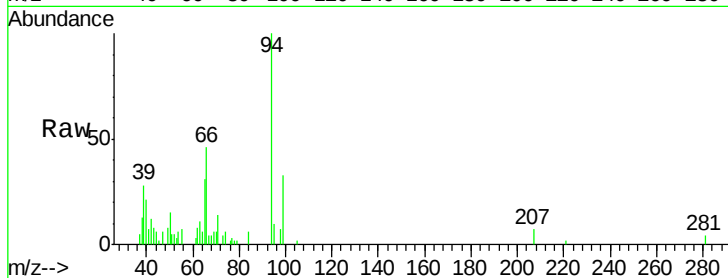
ClientSampled :

C0BJ4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 94    | Resp: | 28741 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 31.1  | 21.0  | 31.6  |
| 66        | 45.7  | 29.3  | 43.9# |

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#20

Nitrobenzene

Concen: 721.80 ng/ul

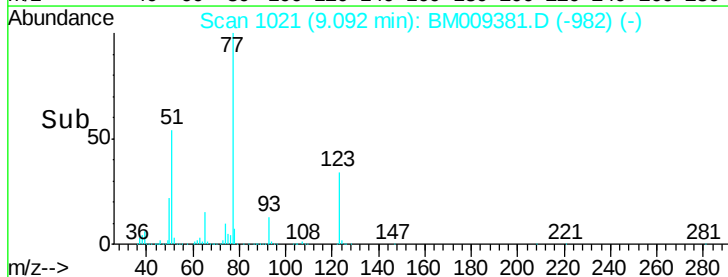
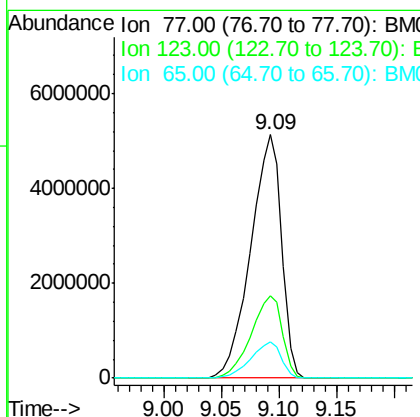
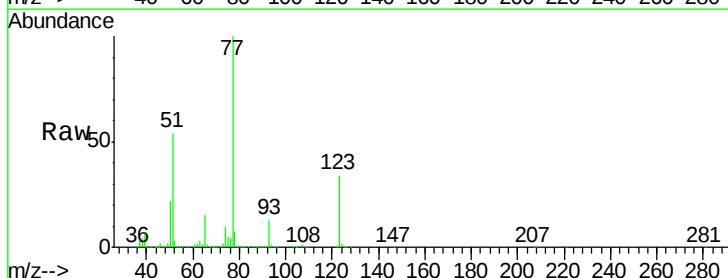
RT: 9.09 min Scan# 1021

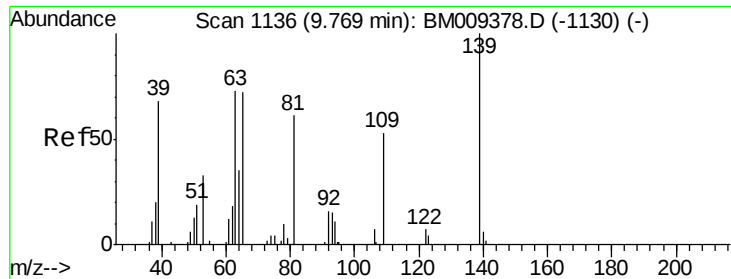
Delta R.T. 0.03 min

Lab File: BM009381.D

Acq: 24 Mar 2017 15:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 77    | Resp: | 9560749 |
| Ion Ratio | Lower | Upper |         |
| 77        | 100   |       |         |
| 123       | 34.0  | 39.0  | 58.4#   |
| 65        | 15.0  | 10.4  | 15.6    |





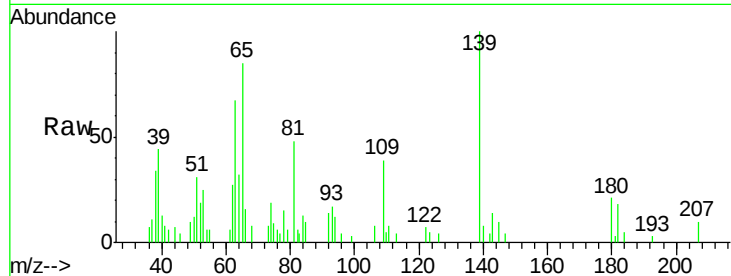
#23  
 2-Nitrophenol  
 Concen: 3.58 ng/ul  
 RT: 9.78 min Scan# 1138  
 Delta R.T. 0.01 min  
 Lab File: BM009381.D  
 Acq: 24 Mar 2017 15:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ4

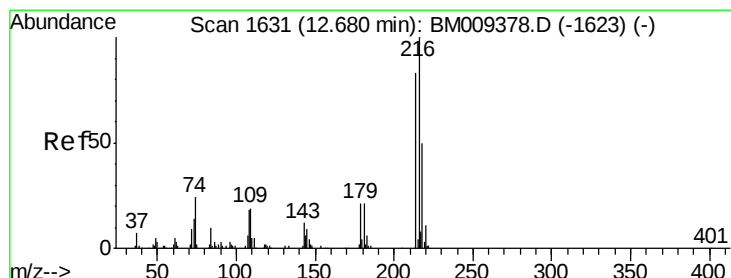
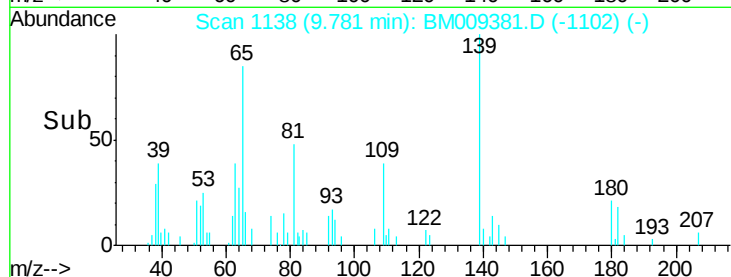
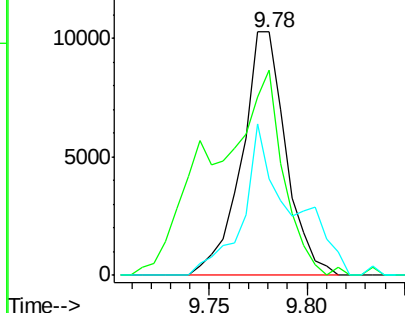
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 16125 |       |       |
| 65      | 84.5  | 36.3  | 54.5# |       |
| 109     | 39.5  | 26.4  | 39.6  |       |

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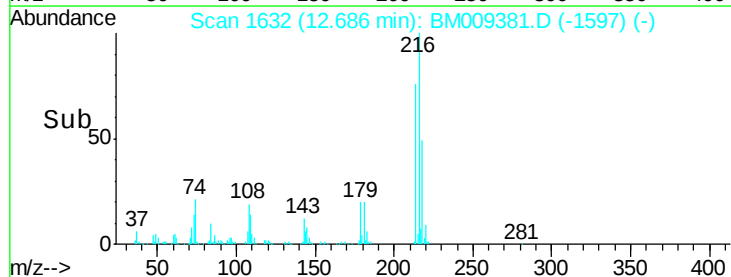
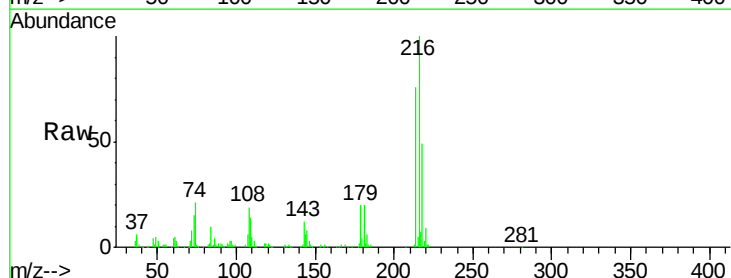
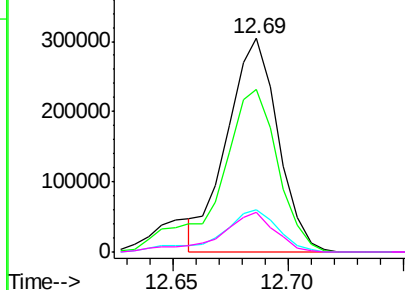
Abundance Ion 139.00 (138.70 to 139.70): E  
 Ion 65.00 (64.70 to 65.70): BM0  
 Ion 109.00 (108.70 to 109.70): E

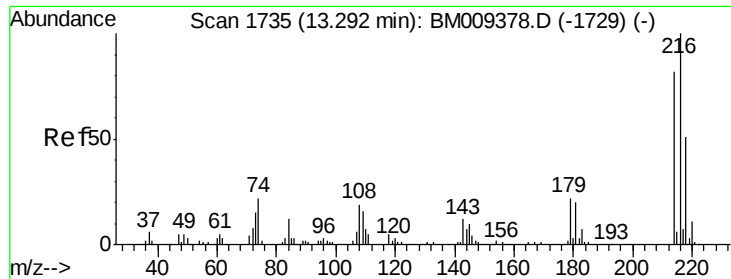


#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 44.66 ng/ul  
 RT: 12.69 min Scan# 1632  
 Delta R.T. 0.01 min  
 Lab File: BM009381.D  
 Acq: 24 Mar 2017 15:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 463949 |       |       |
| 214     | 76.2  | 62.5   | 93.7  |       |
| 179     | 19.9  | 18.2   | 27.2  |       |
| 108     | 18.8  | 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





#72

1,2,3,4-Tetrachlorobenzene

Concen: 115.94 ng/uL

RT: 13.30 min Scan# 1736

Delta R.T. 0.01 min

Lab File: BM009381.D

Acq: 24 Mar 2017 15:50

Instrument :

BNA\_M

ClientSampleId :

C0BJ4

Tot Ion:216 Resp: 1204240

Ion Ratio Lower Upper

216 100

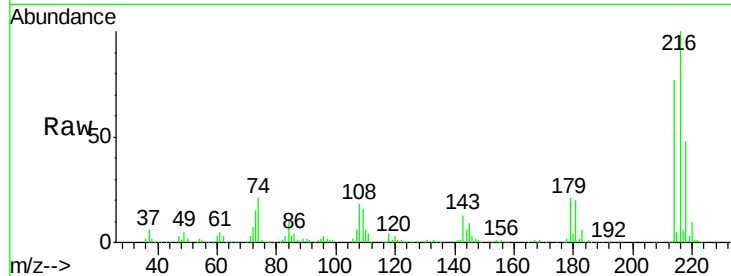
214 77.4 62.5 93.7

218 47.8 38.4 57.6

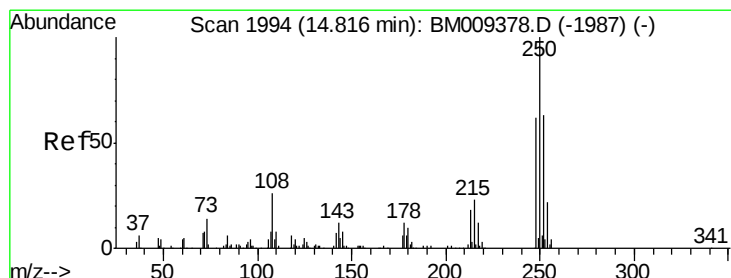
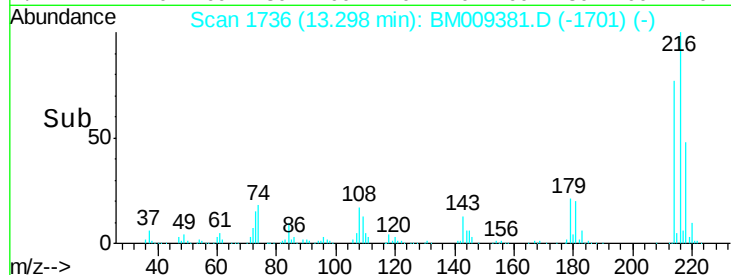
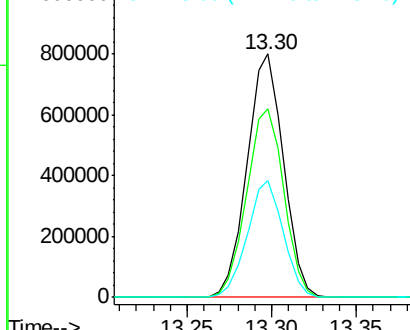
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Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 218.00 (217.70 to 218.70): E



#73

Pentachlorobenzene

Concen: 3.38 ng/uL

RT: 14.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM009381.D

Acq: 24 Mar 2017 15:50

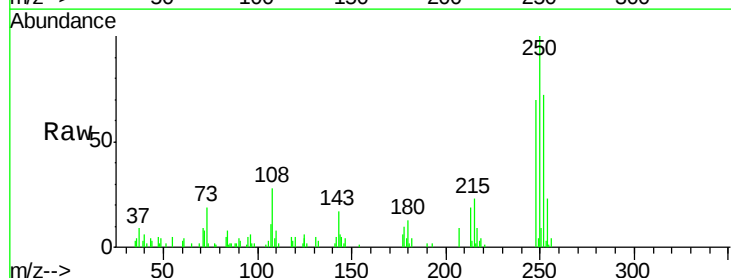
Tgt Ion:250 Resp: 34720

Ion Ratio Lower Upper

250 100

248 70.5 50.6 75.8

252 72.4 51.4 77.0



Abundance Ion 250.00 (249.70 to 250.70): E  
Ion 248.00 (247.70 to 248.70): E  
Ion 252.00 (251.70 to 252.70): E

