

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032317\  
 Data File : BM009371.D  
 Acq On : 24 Mar 2017 09:45  
 Operator : SJ/MA  
 Sample : I2358-03  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BJ0

Manual Integrations  
 APPROVED

mohammad  
 3/24/2017 4:10:05 PM

Quant Time: Mar 24 11:18:29 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 24 04:55:42 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 137704   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.66 | 136  | 527121   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 295841   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 678498   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.42 | 240  | 896524   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.74 | 264  | 864580   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 17307   | 4.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.01  | 99  | 68315   | 5.49  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.19  | 67  | 251931  | 28.38 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 191365  | 22.82 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 132913  | 14.30 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.02  | 128 | 117010  | 30.20 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.74  | 143 | 127822  | 30.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 232256  | 28.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 10696   | 1.12  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 773265  | 37.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 948823  | 36.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 19546   | 5.10  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.49 | 176 | 692685  | 36.29 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 116215  | 27.10 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 1137116 | 35.14 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.64 | 212 | 1354561 | 35.64 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.60 | 264 | 1437151 | 36.09 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 20) Nitrobenzene               | 9.06  | 77  | 117634  | 9.00  | ng/ul# | 80     |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.68 | 216 | 117279m | 11.80 | ng/ul  |        |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.29 | 216 | 552523  | 55.39 | ng/uL  | 99     |
| 73) Pentachlorobenzene         | 14.82 | 250 | 36265   | 3.68  | ng/uL  | 95     |

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

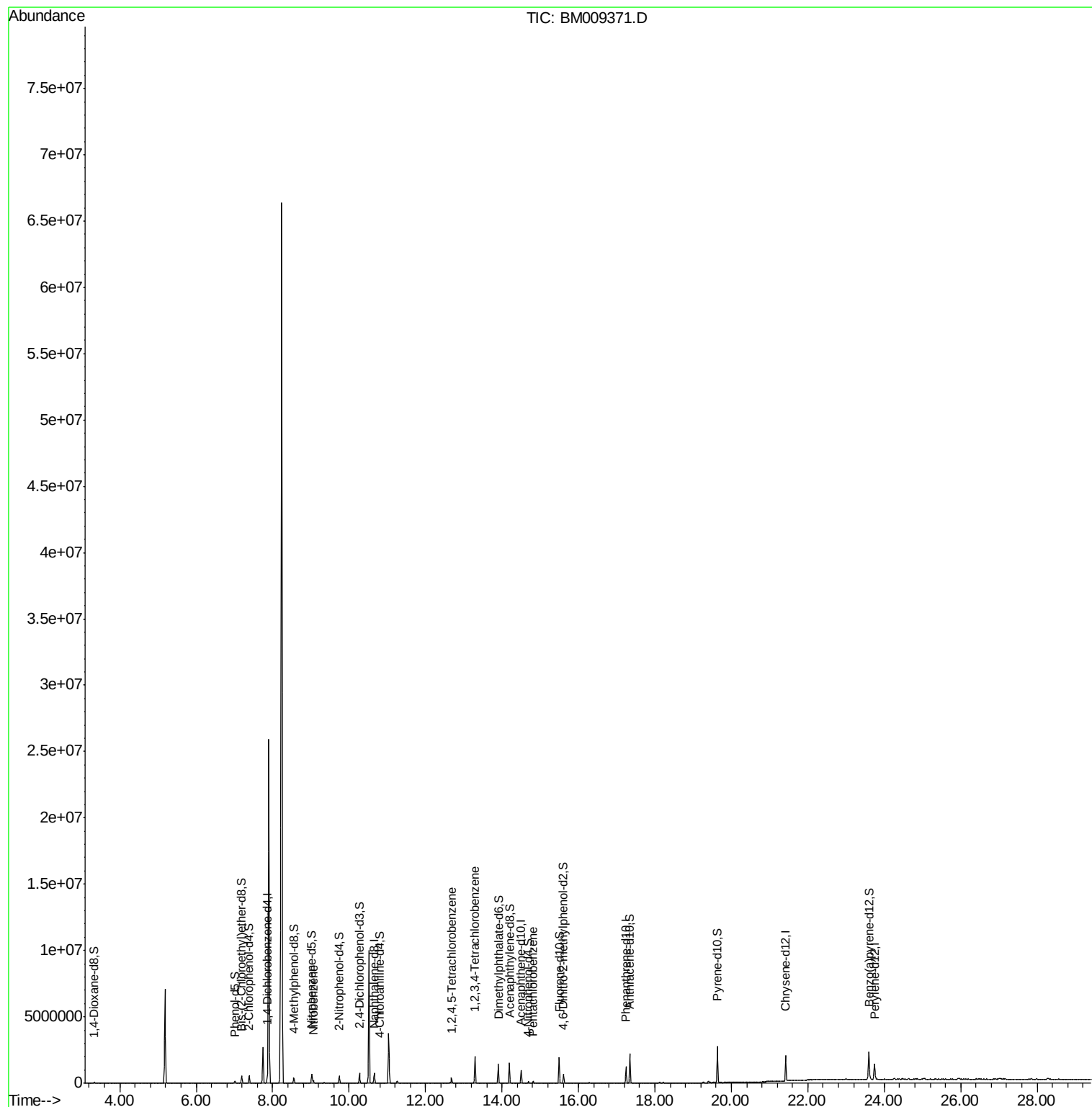
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM032317\  
Data File : BM009371.D  
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Operator : SJ/MA  
Sample : I2358-03  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

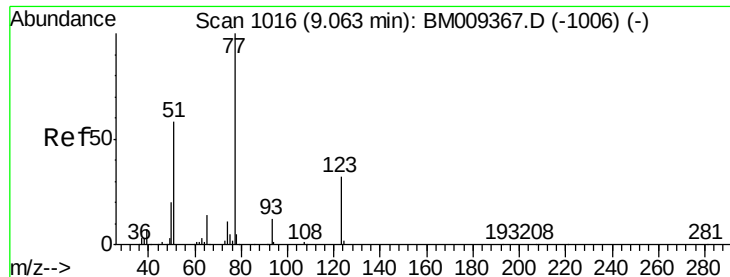
Instrument :  
BNA\_M  
ClientSampleId :  
C0BJ0

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Response via : Initial Calibration





#20

Nitrobenzene

Concen: 9.00 ng/ul

RT: 9.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BM009371.D

Acq: 24 Mar 2017 09:45

Instrument :

BNA\_M

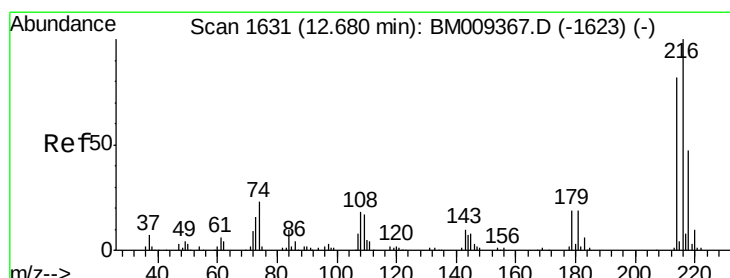
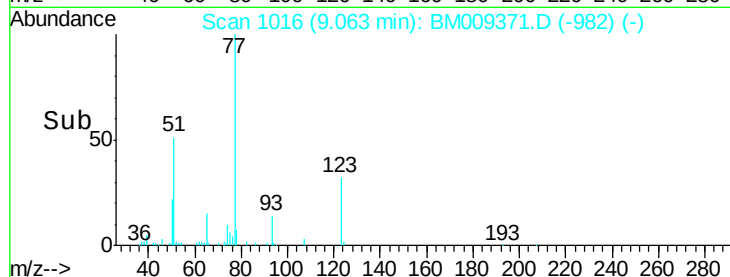
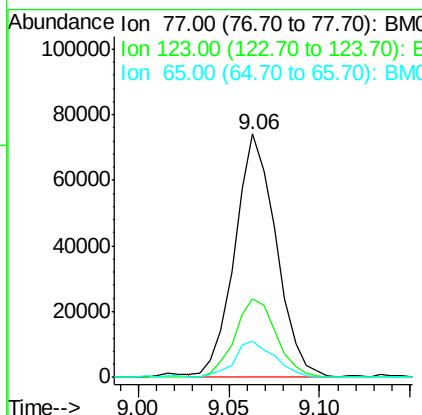
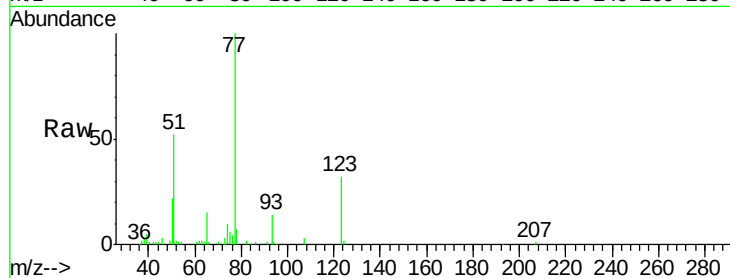
ClientSampleId :

C0BJ0

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 117634 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 32.0  | 39.0  | 58.4#  |
| 65        | 14.9  | 10.4  | 15.6   |

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#36

1,2,4,5-Tetrachlorobenzene

Concen: 11.80 ng/ul m

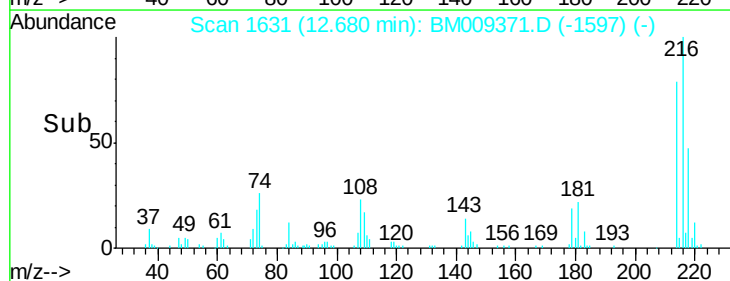
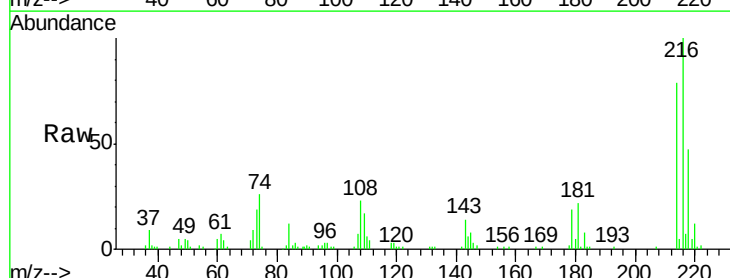
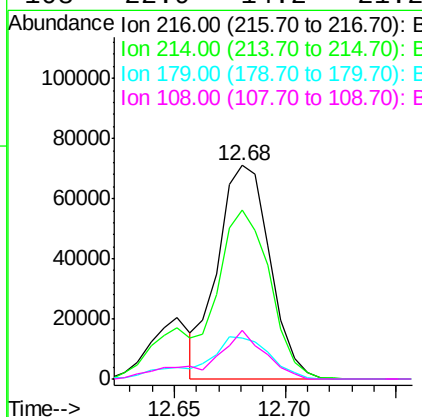
RT: 12.68 min Scan# 1631

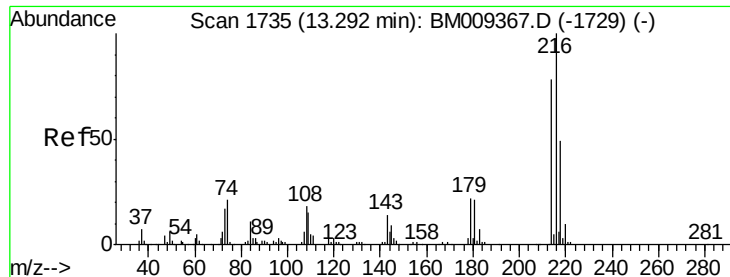
Delta R.T. -0.00 min

Lab File: BM009371.D

Acq: 24 Mar 2017 09:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 117279 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.4  | 62.5  | 93.7   |
| 179       | 19.3  | 18.2  | 27.2   |
| 108       | 22.9  | 14.2  | 21.2#  |





#72

1,2,3,4-Tetrachlorobenzene

Concen: 55.39 ng/uL

RT: 13.29 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BM009371.D

Acq: 24 Mar 2017 09:45

Instrument :

BNA\_M

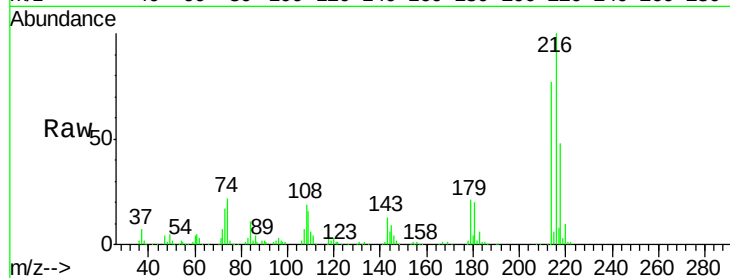
ClientSampled :

C0BJ0

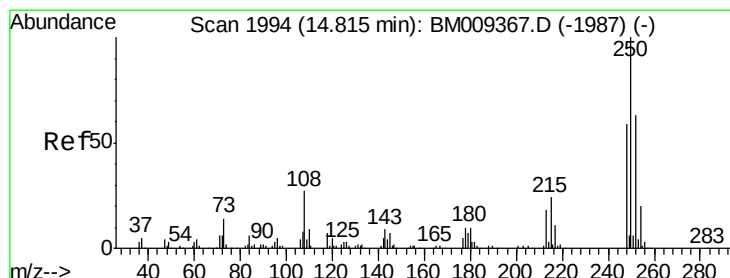
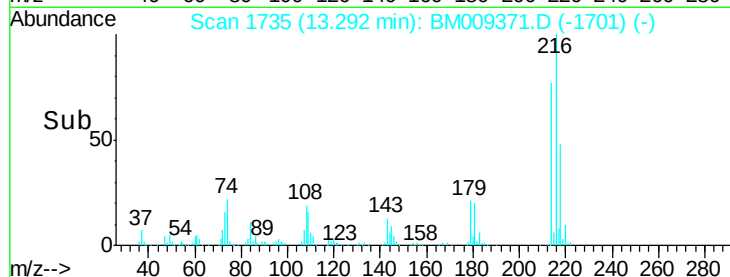
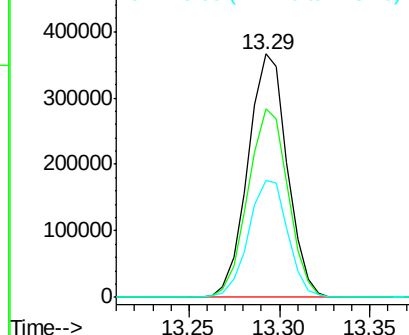
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 552523 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 77.4  | 62.5  | 93.7   |
| 218       | 48.3  | 38.4  | 57.6   |

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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: 3.68 ng/uL

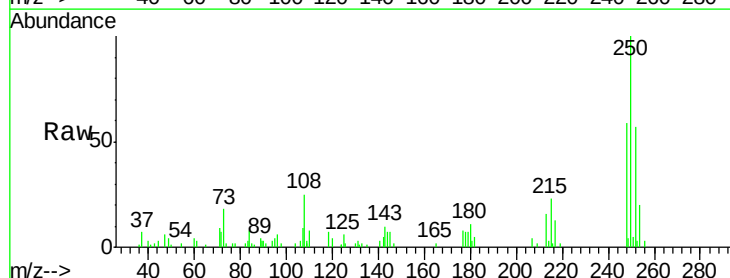
RT: 14.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM009371.D

Acq: 24 Mar 2017 09:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 250   | Resp: | 36265 |
| Ion Ratio | Lower | Upper |       |
| 250       | 100   |       |       |
| 248       | 58.9  | 50.6  | 75.8  |
| 252       | 60.0  | 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

