

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM091917\  
 Data File : BM011622.D  
 Acq On : 20 Sep 2017 01:53  
 Operator : SJ/JU  
 Sample : I5273-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AK4

Manual Integrations  
 APPROVED

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 9/20/2017 5:54:47 PM

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Quant Time: Sep 20 07:53:43 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 20 05:31:56 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.97  | 152  | 354483   | 20.00  | ng/ul | 0.00     |
| 18) Naphthalene-d8             | 10.77 | 136  | 1586405  | 20.00  | ng/ul | 0.00     |
| 36) Acenaphthene-d10           | 14.60 | 164  | 950109   | 20.00  | ng/ul | 0.00     |
| 62) Phenanthrene-d10           | 17.33 | 188  | 2118669  | 20.00  | ng/ul | 0.00     |
| 78) Chrysene-d12               | 21.50 | 240  | 2179820  | 20.00  | ng/ul | 0.00     |
| 86) Perylene-d12               | 23.87 | 264  | 2005001  | 20.00  | ng/ul | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 3) 1,4-Dioxane-d8              | 3.39  | 96   | 38679    | 4.91   | ng/uL | 0.00     |
| 5) Phenol-d5                   | 7.12  | 99   | 196015   | 5.76   | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67   | 739260   | 32.23  | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.49  | 132  | 644385   | 25.12  | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.66  | 113  | 386953   | 14.56  | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 9.13  | 128  | 413615   | 34.35  | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.85  | 143  | 444245   | 35.49  | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.39 | 165  | 756384   | 30.02  | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.93 | 131  | 12598    | 0.45   | ng/ul | 0.02     |
| 44) Dimethylphthalate-d6       | 14.00 | 166  | 2881403  | 35.87  | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 14.29 | 160  | 3370286  | 34.69  | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.78 | 143  | 57697m   | 3.82   | ng/ul | 0.00     |
| 58) Fluorene-d10               | 15.59 | 176  | 2516144  | 36.16  | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200  | 385955   | 31.31  | ng/ul | 0.00     |
| 71) Anthracene-d10             | 17.43 | 188  | 3978419  | 38.13  | ng/ul | 0.00     |
| 79) Pyrene-d10                 | 19.72 | 212  | 4333627  | 42.46  | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264  | 3664801  | 38.35  | ng/ul | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216  | 221051m  | 7.843  | ng/ul |          |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.40 | 216  | 555870   | 19.689 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.92 | 250  | 37691    | 1.316  | ng/uL | 90       |

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

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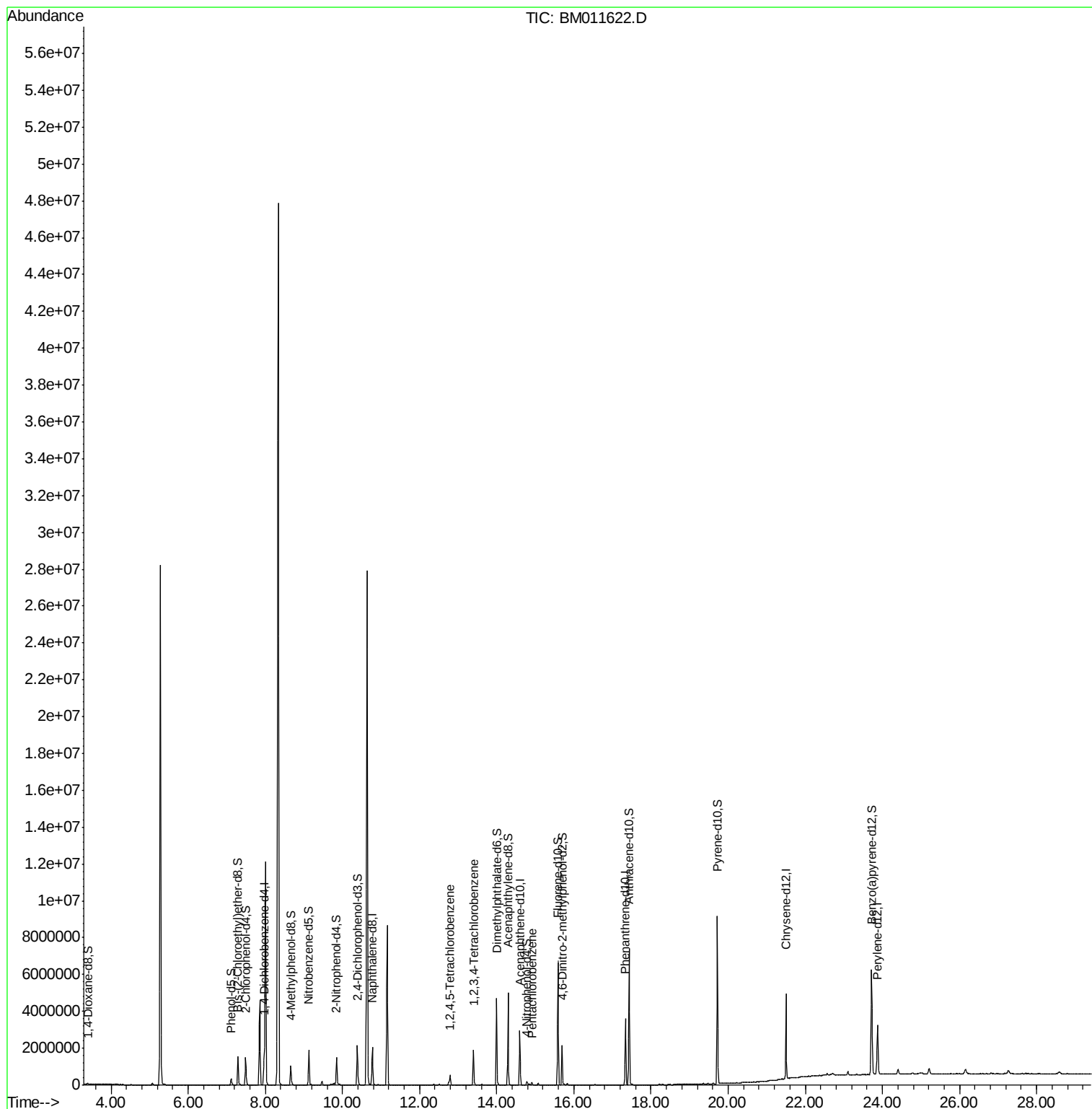
Instrument :  
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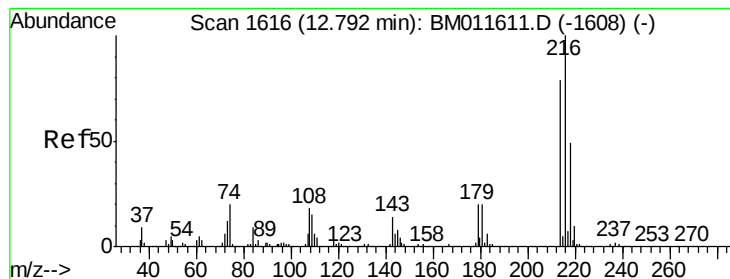
Quant Time: Sep 20 07:53:43 2017  
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#37

1,2,4,5-Tetrachlorobenzene

Concen: 7.843 ng/ul m

RT: 12.79 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BM011622.D

Acq: 20 Sep 2017 01:53

Instrument :

BNA\_M

ClientSampleId :

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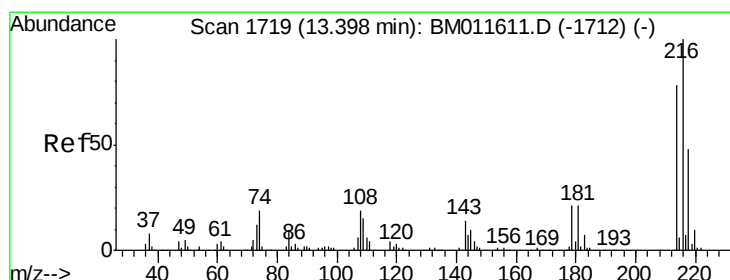
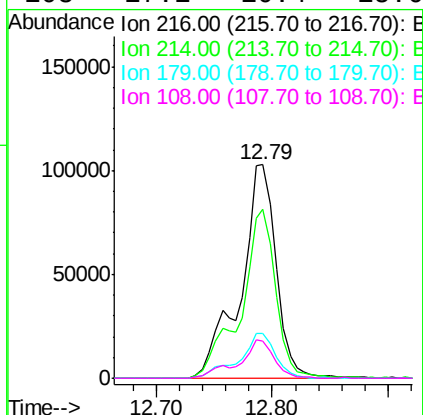
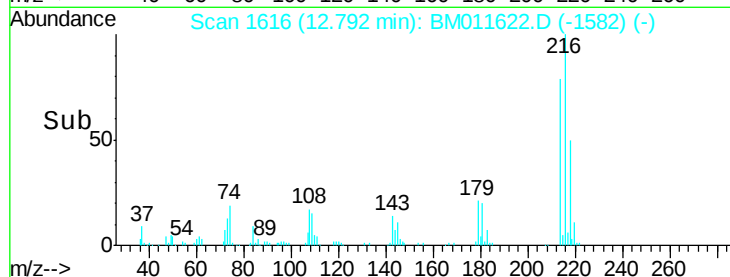
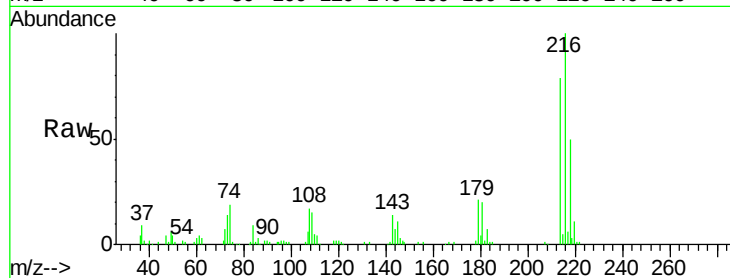
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 221051 |       |       |
| 214     | 79.0  | 64.1   | 96.1  |       |
| 179     | 21.0  | 14.5   | 21.7  |       |
| 108     | 17.1  | 10.4   | 15.6  |       |

Manual Integrations  
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9/20/2017 5:54:47 PM

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 19.689 ng/uL

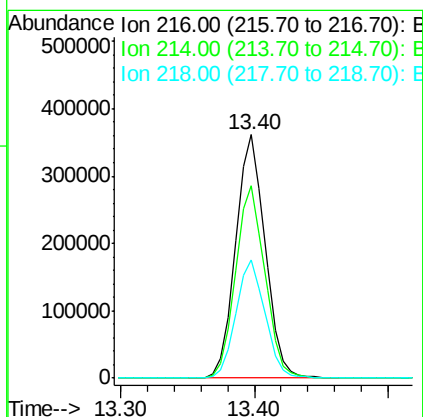
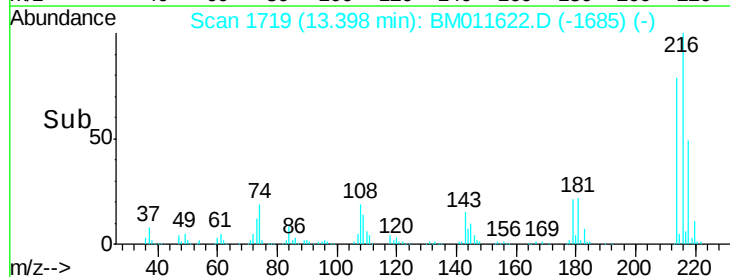
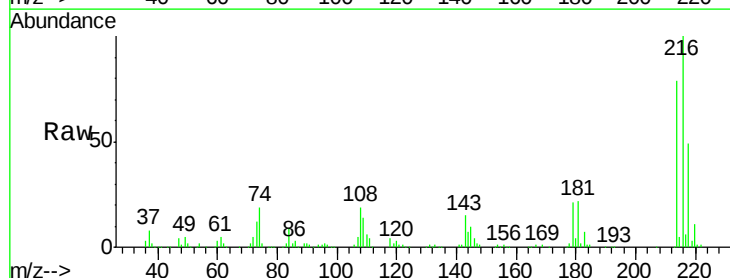
RT: 13.40 min Scan# 1719

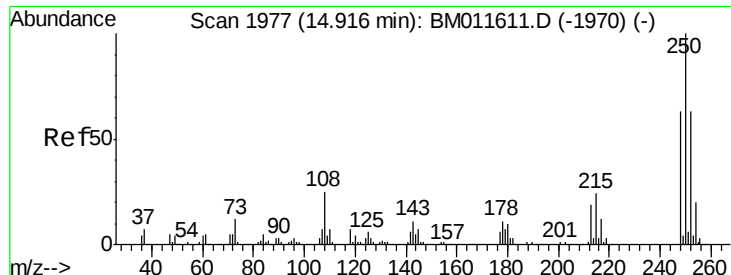
Delta R.T. -0.00 min

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Acq: 20 Sep 2017 01:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 555870 |       |       |
| 214     | 78.9  | 64.1   | 96.1  |       |
| 218     | 48.6  | 39.4   | 59.0  |       |





#74

Pentachlorobenzene

Concen: 1.316 ng/uL

RT: 14.92 min Scan# 1977

Delta R.T. -0.00 min

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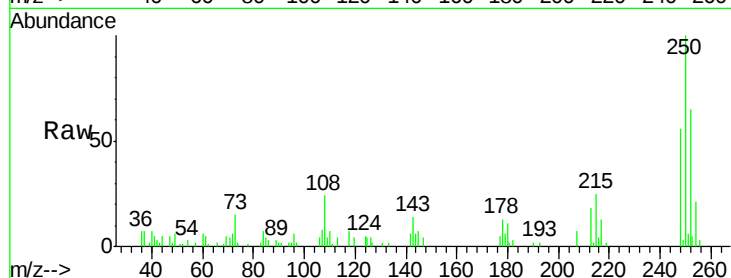
Acq: 20 Sep 2017 01:53

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Tgt Ion: 250 Resp: 37691

Ion Ratio Lower Upper

250 100

248 55.9 51.4 77.2

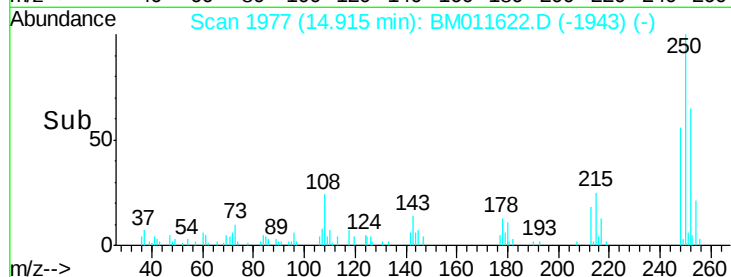
252 69.3 49.8 74.6

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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

