

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM092317\  
 Data File : BM011705.D  
 Acq On : 23 Sep 2017 14:53  
 Operator : SJ/JU  
 Sample : I5273-15  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF9

Manual Integrations  
 APPROVED

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 9/25/2017 6:27:49 PM

Quant Time: Sep 25 16:33:08 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 25 01:59:49 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 196014   | 20.00 | ng/ul | 0.05     |
| 18) Naphthalene-d8        | 10.76 | 136  | 812768   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.58 | 164  | 434182   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.32 | 188  | 964005   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.49 | 240  | 1111018  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.85 | 264  | 1109448  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 26684   | 6.12  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 108716m | 5.78  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.30  | 67  | 349725  | 27.57 | ng/ul | 0.03 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 323790m | 22.83 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 191072m | 13.00 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.13  | 128 | 188057  | 30.48 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.84  | 143 | 202586  | 31.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.37 | 165 | 330663  | 25.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.89 | 131 | 12071   | 0.85  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.99 | 166 | 1074216 | 29.27 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.28 | 160 | 1290113 | 29.06 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.77 | 143 | 34160   | 4.95  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.57 | 176 | 900293  | 28.32 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 200 | 150412  | 26.82 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.42 | 188 | 1456623 | 30.68 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.71 | 212 | 1675343 | 32.20 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.70 | 264 | 1610983 | 30.47 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |               | Qvalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 6) Phenol                      | 7.14  | 94  | 219923  | 11.771 ng/ul# | 88     |
| 10) 2-Chlorophenol             | 7.53  | 128 | 412683m | 29.824 ng/ul  |        |
| 20) Nitrobenzene               | 9.17  | 77  | 254031  | 17.510 ng/ul  | 98     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.78 | 216 | 39998   | 3.106 ng/ul#  | 95     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.39 | 216 | 59502   | 4.632 ng/uL   | 97     |

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

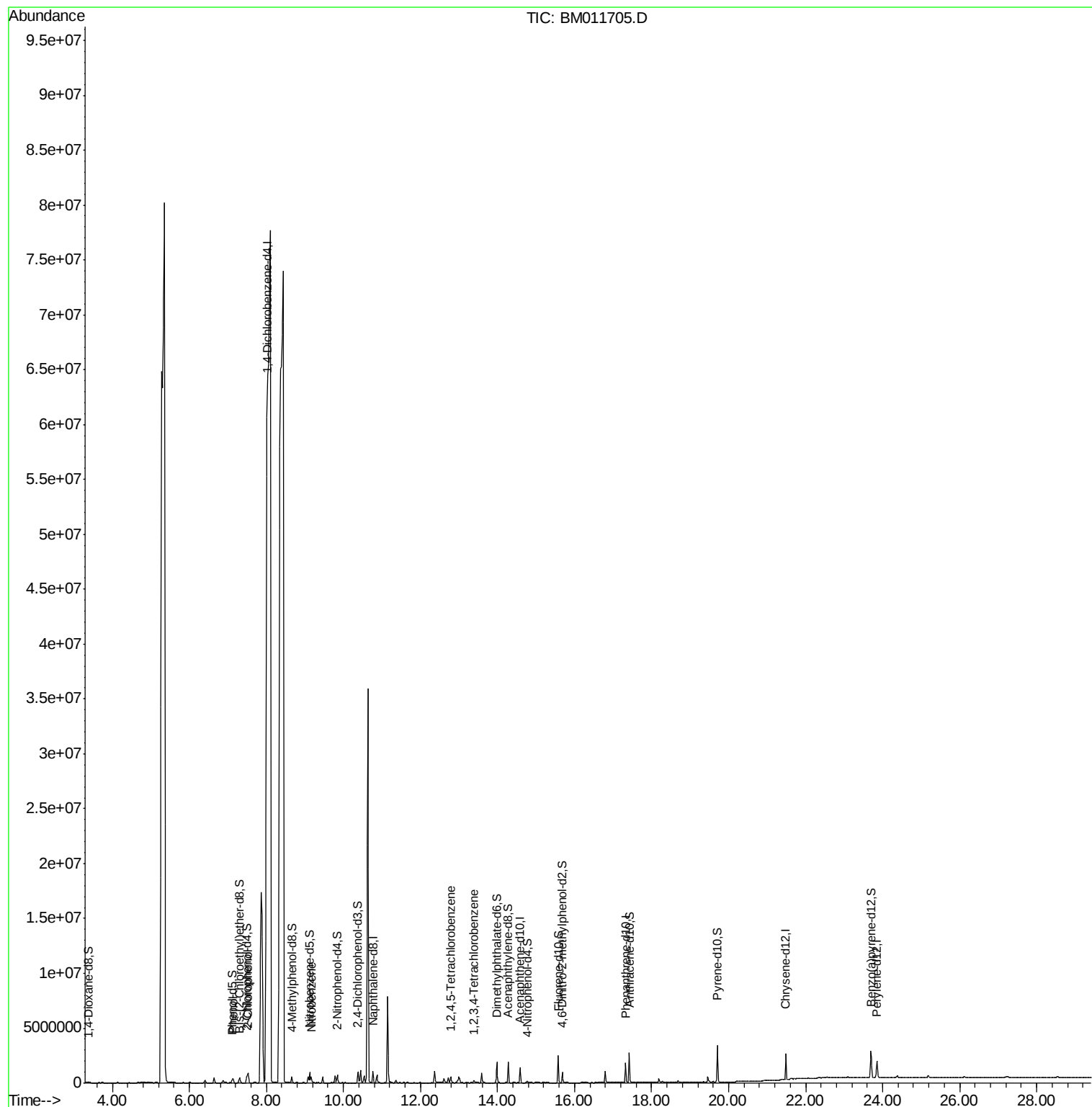
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM092317\  
Data File : BM011705.D  
Acq On : 23 Sep 2017 14:53  
Operator : SJ/JU  
Sample : I5273-15  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

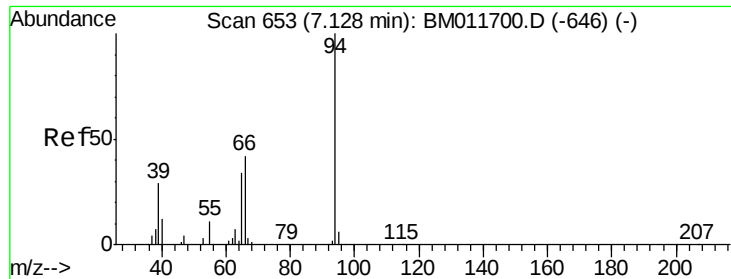
Instrument :  
BNA\_M  
ClientSampleId :  
C0AF9

Quant Time: Sep 25 16:33:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 25 01:59:49 2017  
Response via : Initial Calibration

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#6

Phenol

Concen: 11.771 ng/ul

RT: 7.14 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM011705.D

Acq: 23 Sep 2017 14:53

Instrument :

BNA\_M

ClientSampleId :

C0AF9

Tgt Ion: 94 Resp: 219923

Ion Ratio Lower Upper

94 100

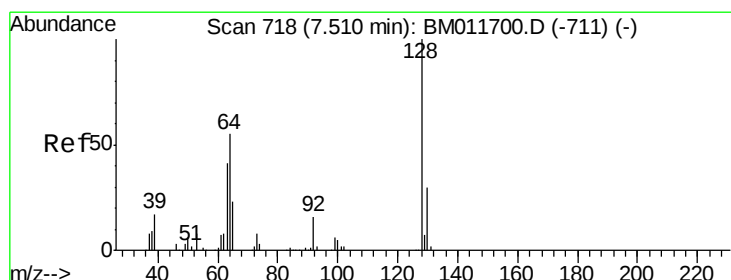
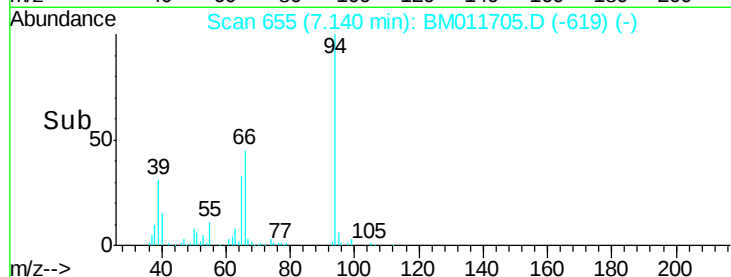
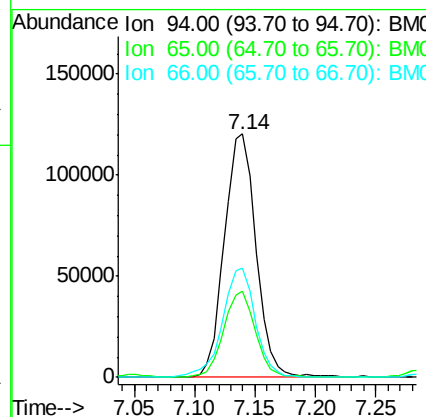
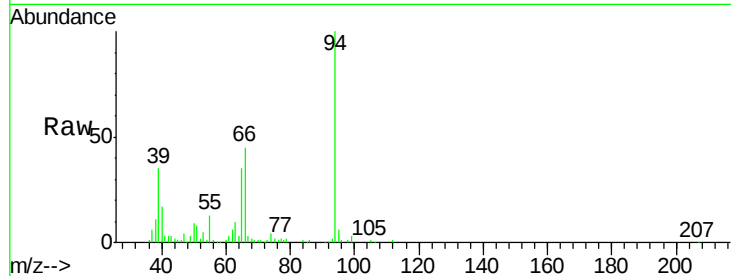
65 35.2 23.0 34.6#

66 44.8 30.4 45.6

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#10

2-Chlorophenol

Concen: 29.824 ng/ul m

RT: 7.53 min Scan# 721

Delta R.T. 0.02 min

Lab File: BM011705.D

Acq: 23 Sep 2017 14:53

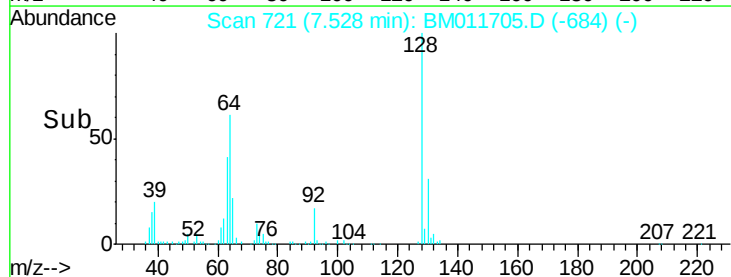
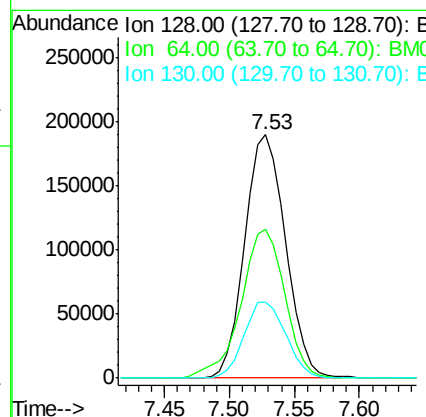
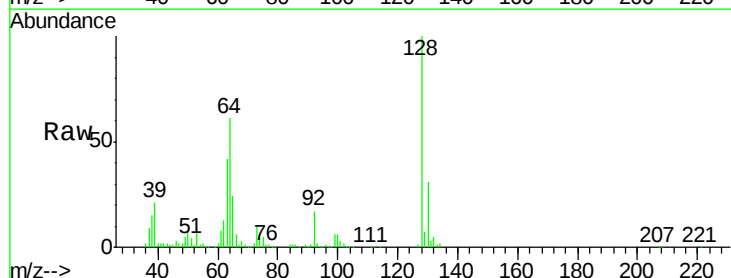
Tgt Ion: 128 Resp: 412683

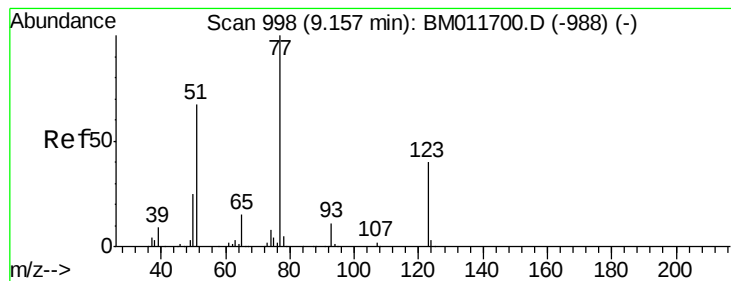
Ion Ratio Lower Upper

128 100

64 61.1 39.8 59.6#

130 31.0 25.8 38.8





#20

Nitrobenzene

Concen: 17.510 ng/ul

RT: 9.17 min Scan# 1000

Delta R.T. 0.01 min

Lab File: BM011705.D

Acq: 23 Sep 2017 14:53

Instrument :

BNA\_M

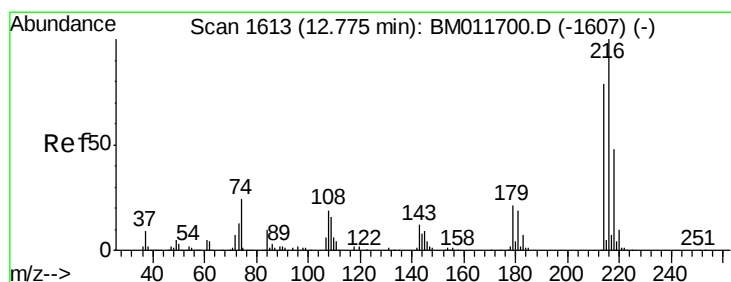
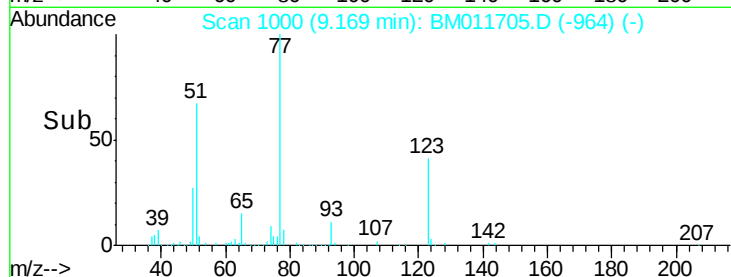
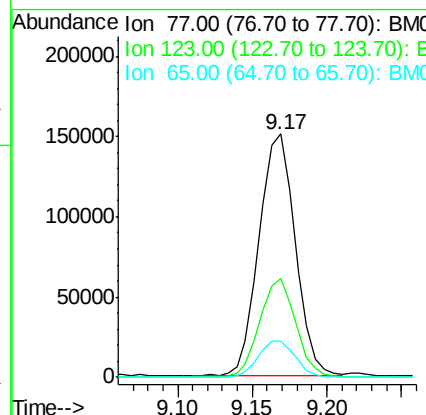
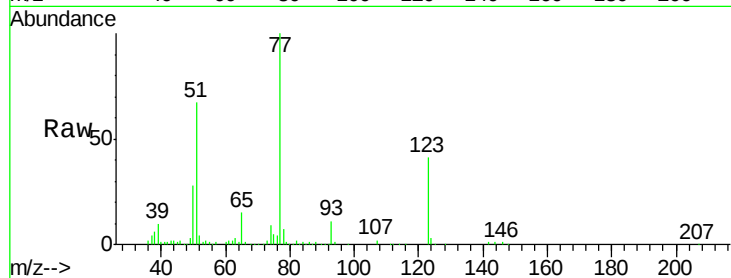
ClientSampleId :

C0AF9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 254031 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 40.5  | 31.8  | 47.8   |
| 65        | 14.9  | 10.6  | 16.0   |

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#37

1,2,4,5-Tetrachlorobenzene

Concen: 3.106 ng/ul

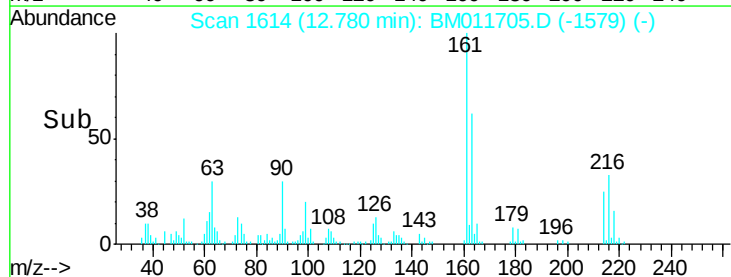
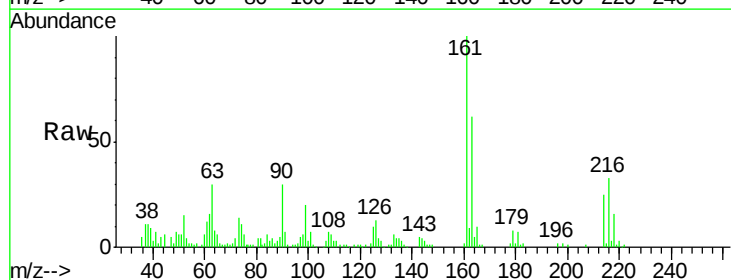
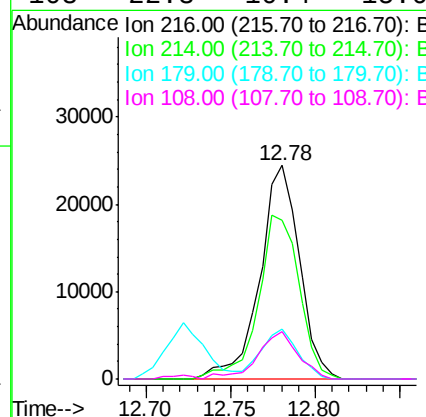
RT: 12.78 min Scan# 1614

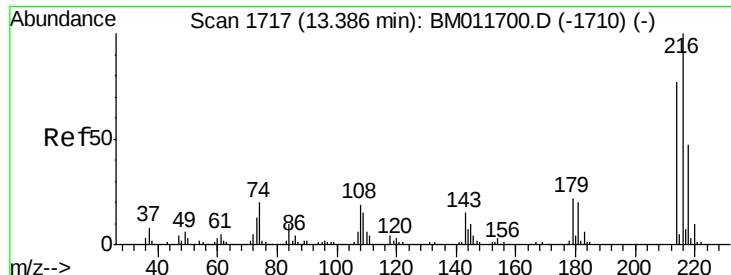
Delta R.T. 0.01 min

Lab File: BM011705.D

Acq: 23 Sep 2017 14:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 39998 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 79.5  | 64.1  | 96.1  |
| 179       | 23.4  | 14.5  | 21.7# |
| 108       | 22.3  | 10.4  | 15.6# |





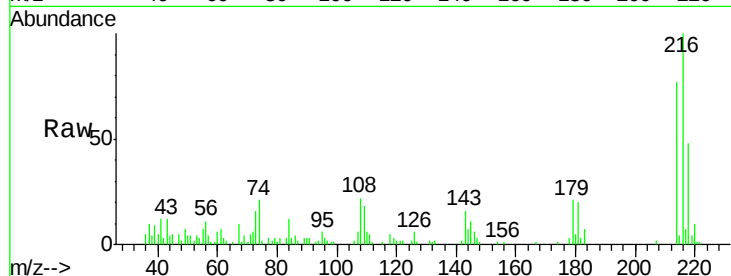
#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 4.632 ng/uL  
 RT: 13.39 min Scan# 1717  
 Delta R.T. -0.00 min  
 Lab File: BM011705.D  
 Acq: 23 Sep 2017 14:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.1  | 64.1  | 96.1  |
| 218     | 47.8  | 39.4  | 59.0  |

Manual Integrations  
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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

