

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040516\  
 Data File : BM004893.D  
 Acq On : 05 Apr 2016 22:56  
 Operator : UM/SJ  
 Sample : H2086-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF4

Manual Integrations  
 APPROVED

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 4/6/2016 6:23:52 PM

Quant Time: Apr 06 03:12:13 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM040116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 06 01:39:16 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 48955    | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.62 | 136  | 252115   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.46 | 164  | 146171   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.20 | 188  | 360868   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.39 | 240  | 481803   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.68 | 264  | 498676   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 708    | 0.59  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 16388  | 3.77  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 55915  | 23.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 59809  | 18.11 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 36118  | 9.89  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 38973  | 21.79 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 42346  | 21.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 68912  | 18.58 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 1548   | 0.35  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.86 | 166 | 267307 | 23.18 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.15 | 160 | 311062 | 22.55 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.65 | 143 | 7050   | 3.09  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.45 | 176 | 229706 | 23.05 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 41523  | 19.20 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.30 | 188 | 375922 | 23.28 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.59 | 212 | 467477 | 22.35 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.53 | 264 | 518953 | 23.49 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        |       | Ovalue |
|--------------------------------|-------|-----|---------|--------|-------|--------|
| 6) Phenol                      | 7.01  | 94  | 14392   | 3.17   | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.39  | 128 | 29329   | 8.44   | ng/ul | 95     |
| 20) Nitrobenzene               | 9.06  | 77  | 2661477 | 620.09 | ng/ul | 98     |
| 27) 2,4-Dichlorophenol         | 10.26 | 162 | 8549m   | 2.23   | ng/ul |        |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216 | 33204   | 7.34   | ng/ul | 98     |
| 57) Diethylphthalate           | 15.27 | 149 | 117743  | 9.90   | ng/ul | 98     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.25 | 216 | 104414  | 22.27  | ng/uL | 100    |

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

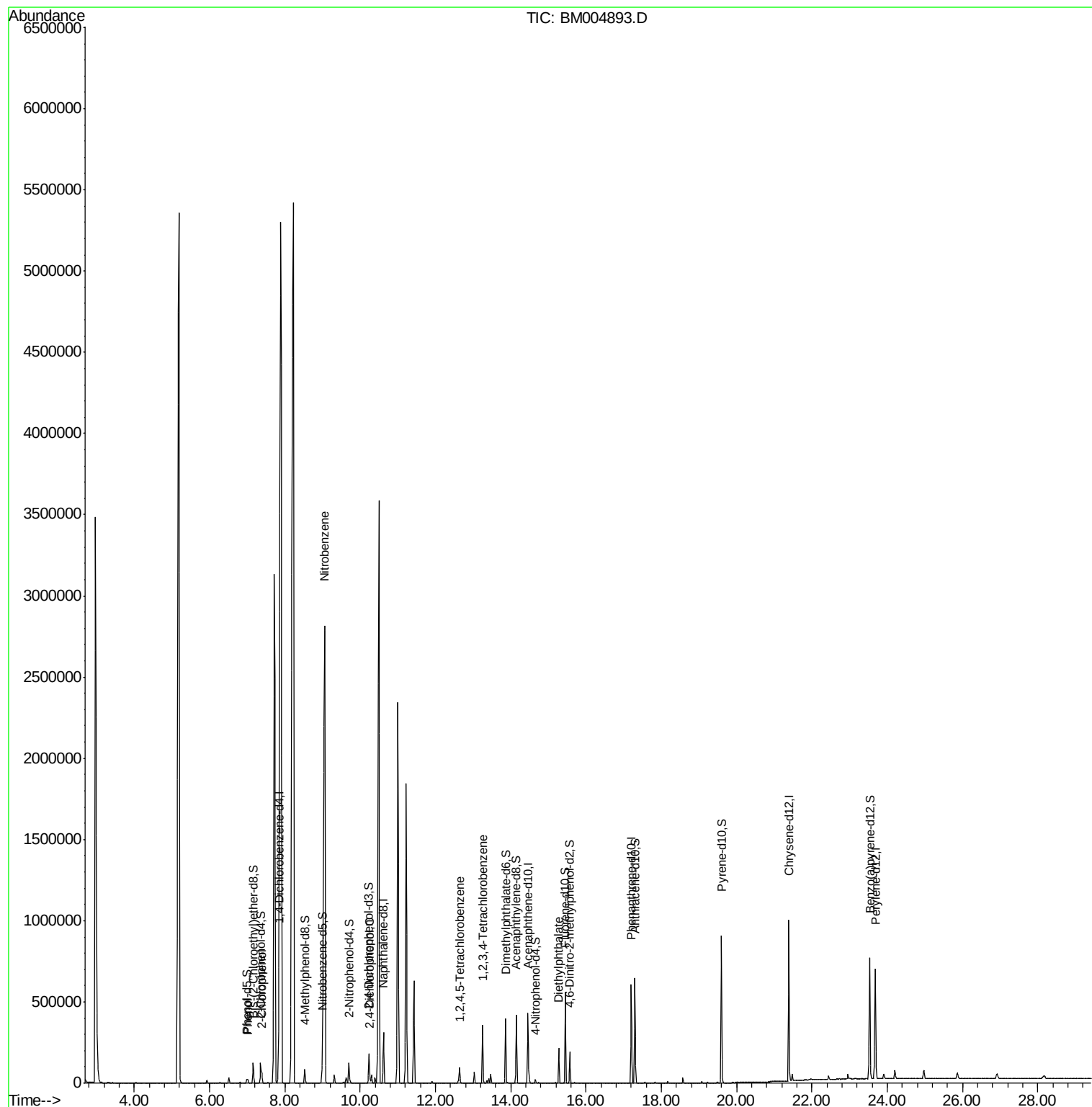
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040516\  
Data File : BM004893.D  
Acq On : 05 Apr 2016 22:56  
Operator : UM/SJ  
Sample : H2086-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

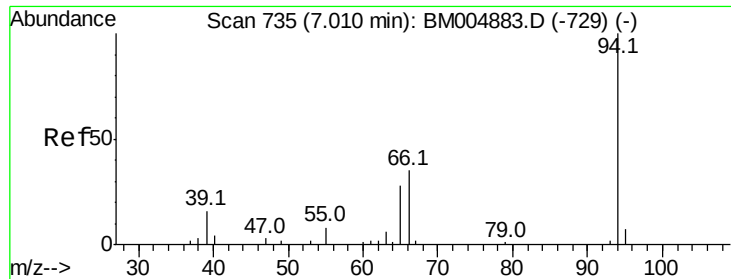
Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Time: Apr 06 03:12:13 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM040116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 06 01:39:16 2016  
Response via : Initial Calibration





#6

Phenol

Concen: 3.17 ng/ul

RT: 7.01 min Scan# 735

Delta R.T. 0.00 min

Lab File: BM004893.D

Acq: 05 Apr 2016 22:56

Instrument :

BNA\_M

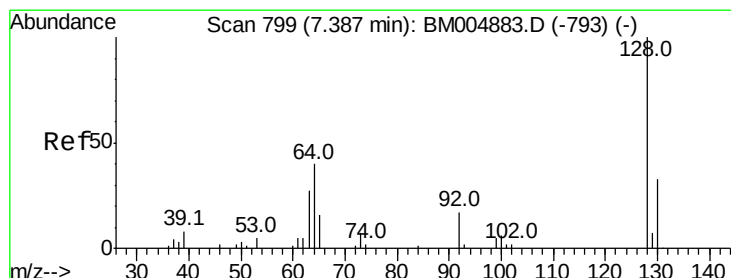
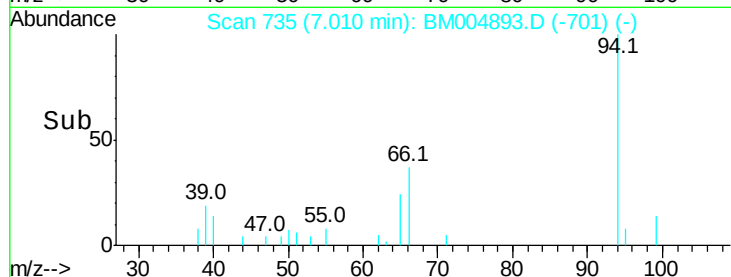
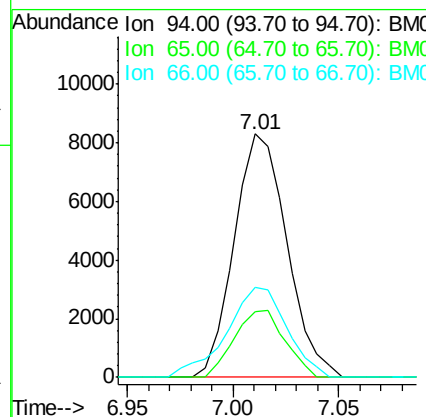
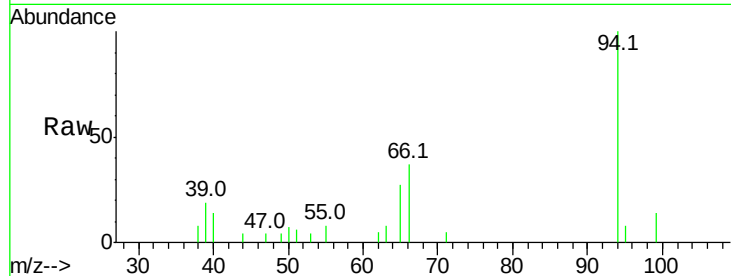
ClientSampleId :

C0AF4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 94    | Resp: | 14392 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 27.2  | 21.0  | 31.6  |
| 66        | 37.0  | 29.3  | 43.9  |

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#10

2-Chlorophenol

Concen: 8.44 ng/ul

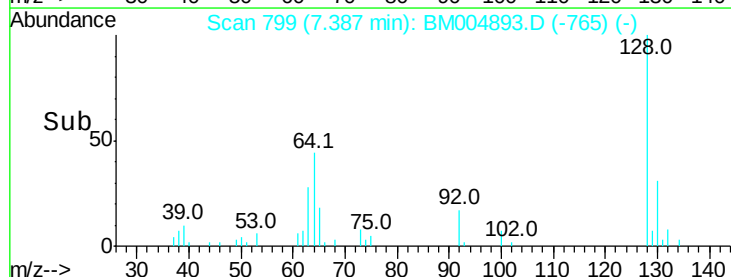
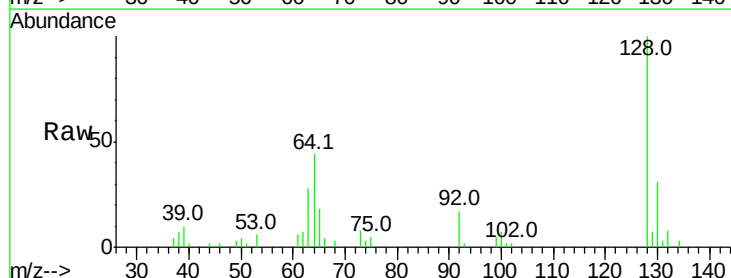
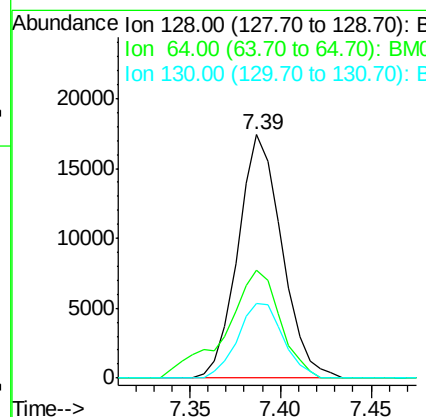
RT: 7.39 min Scan# 799

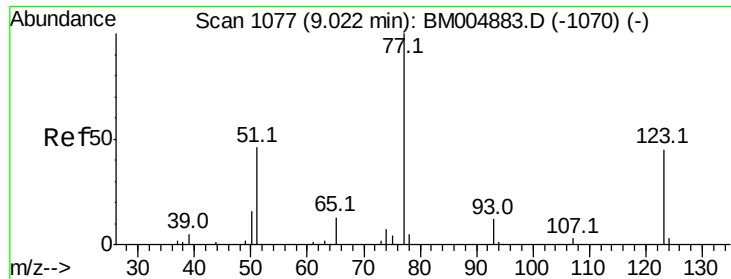
Delta R.T. 0.00 min

Lab File: BM004893.D

Acq: 05 Apr 2016 22:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 29329 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 64        | 44.1  | 31.9  | 47.9  |
| 130       | 30.6  | 25.6  | 38.4  |





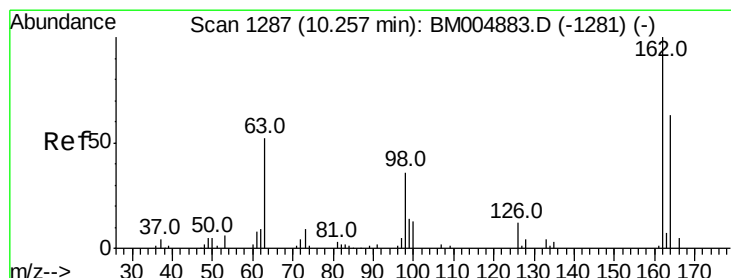
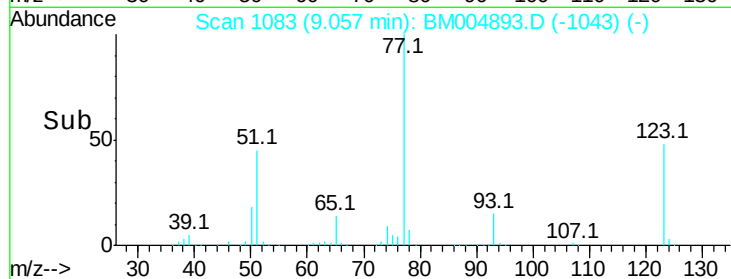
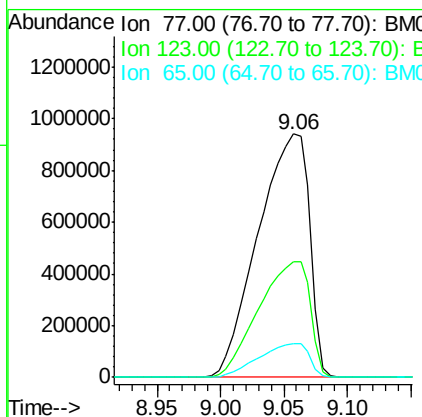
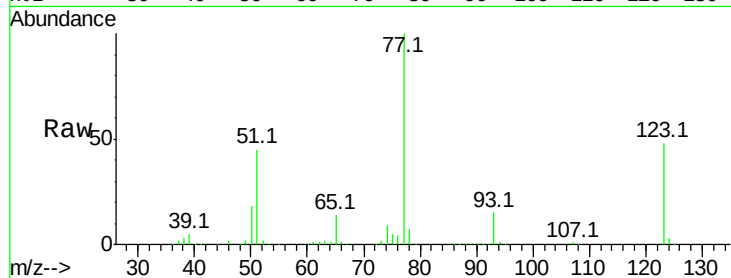
#20  
 Nitrobenzene  
 Concen: 620.09 ng/ul  
 RT: 9.06 min Scan# 1083  
 Delta R.T. 0.04 min  
 Lab File: BM004893.D  
 Acq: 05 Apr 2016 22:56

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 BNA\_M  
 ClientSampleId :  
 C0AF4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 47.7  | 39.0  | 58.4  |
| 65      | 14.1  | 10.4  | 15.6  |

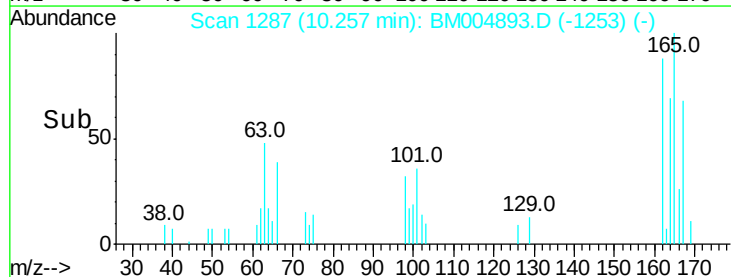
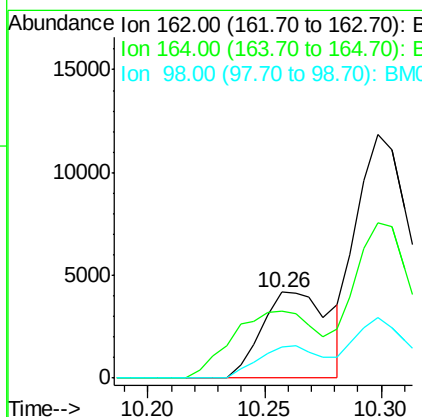
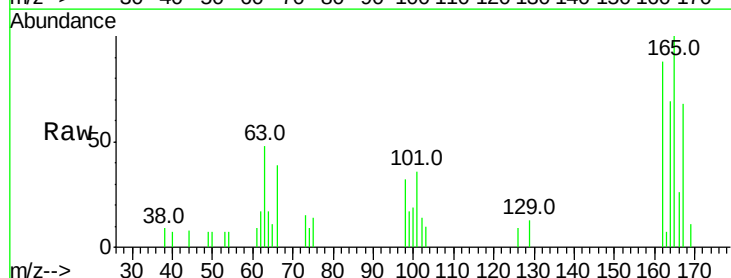
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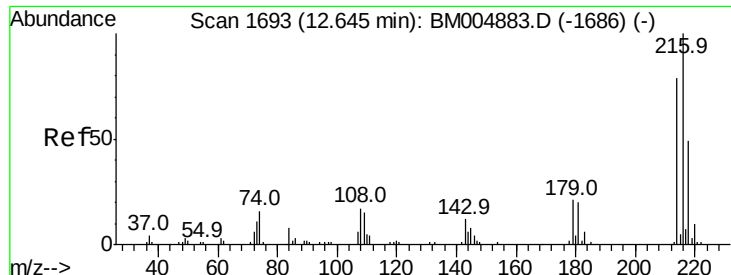
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#27  
 2,4-Dichlorophenol  
 Concen: 2.23 ng/ul m  
 RT: 10.26 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: BM004893.D  
 Acq: 05 Apr 2016 22:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 78.6  | 52.1  | 78.1# |
| 98      | 36.0  | 28.4  | 42.6  |





#37

1,2,4,5-Tetrachlorobenzene

Concen: 7.34 ng/ul

RT: 12.64 min Scan# 1692

Delta R.T. -0.01 min

Lab File: BM004893.D

Acq: 05 Apr 2016 22:56

Instrument :

BNA\_M

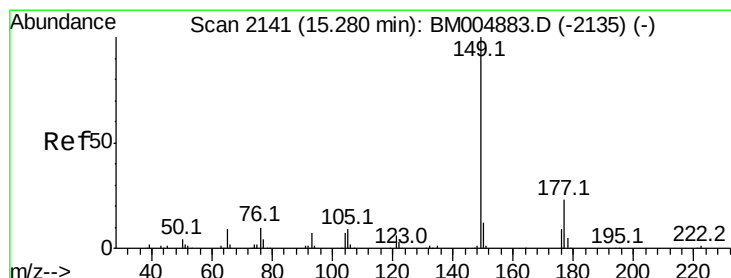
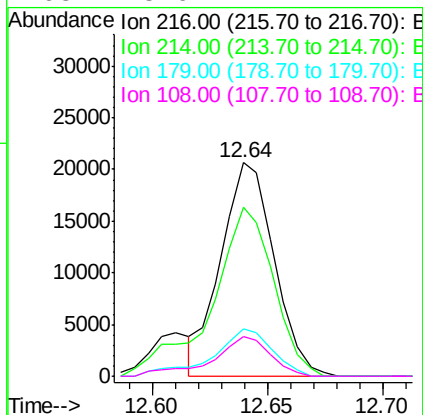
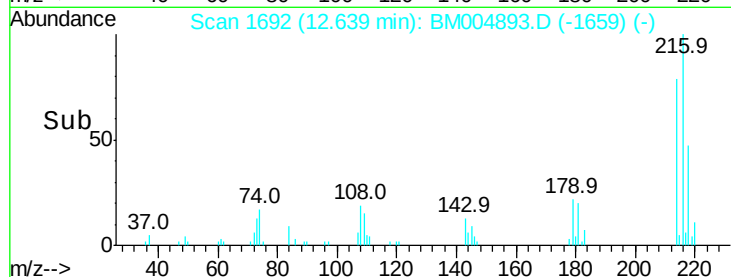
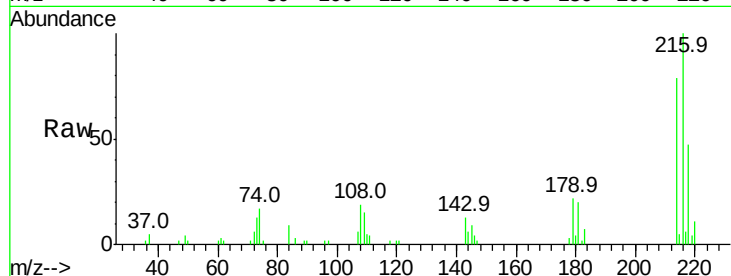
ClientSampleId :

C0AF4

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 216     | 100   | 33204 |       |       |
| 214     | 79.3  |       | 62.5  | 93.7  |
| 179     | 21.9  |       | 18.2  | 27.2  |
| 108     | 18.6  |       | 14.2  | 21.2  |

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#57

Diethylphthalate

Concen: 9.90 ng/ul

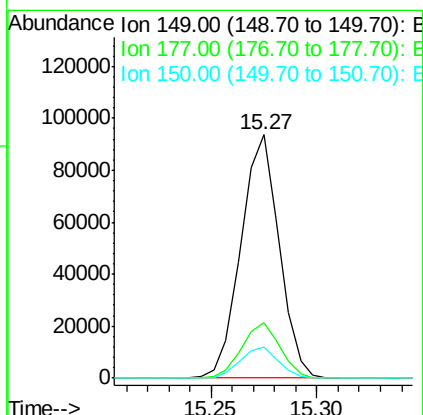
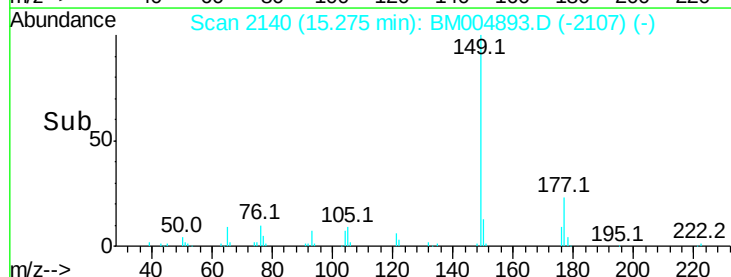
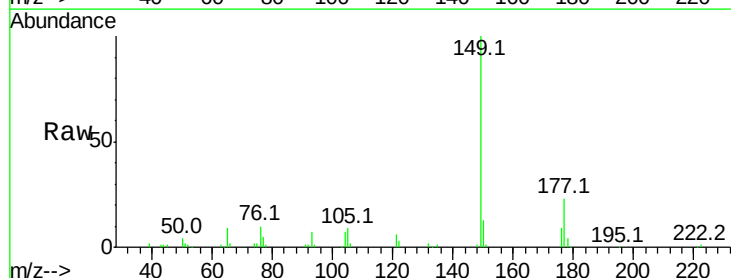
RT: 15.27 min Scan# 2140

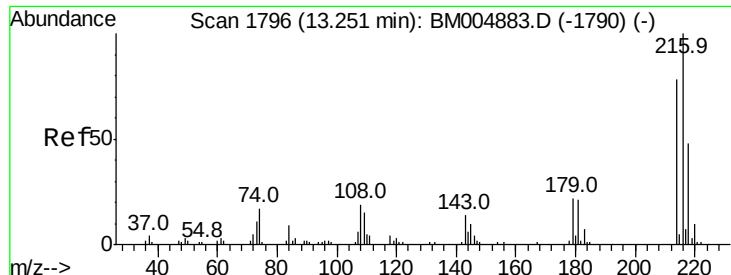
Delta R.T. -0.01 min

Lab File: BM004893.D

Acq: 05 Apr 2016 22:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 117743 |       |       |
| 177     | 22.8  |        | 17.4  | 26.2  |
| 150     | 12.8  |        | 10.0  | 15.0  |





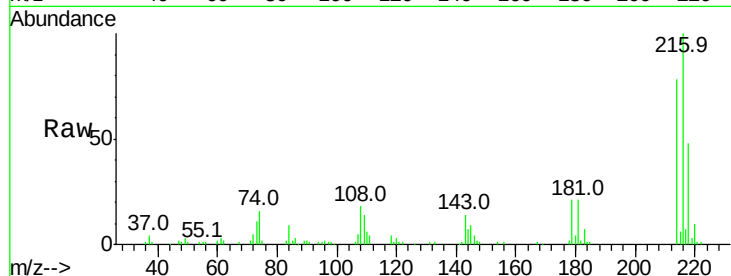
#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 22.27 ng/uL  
 RT: 13.25 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: BM004893.D  
 Acq: 05 Apr 2016 22:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF4

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 77.8  | 62.5       | 93.7  |
| 218     | 48.4  | 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

