

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
 Data File : BM016862.D  
 Acq On : 22 Sep 2018 10:23  
 Operator : SJ/JU  
 Sample : J5013-02DL 5X  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 C08R6DL

Manual Integrations  
 APPROVED

Sohil  
 9/24/2018 5:27:29 PM

Quant Time: Sep 24 01:55:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 24 01:42:23 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 214144   | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.50 | 136  | 867327   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 453263   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.10 | 188  | 1011380  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.29 | 240  | 1113650  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.52 | 264  | 1193563  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 1876   | 0.37 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 22950  | 1.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 75320  | 6.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 76488  | 5.19 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 47080  | 3.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 45392  | 7.96 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.59  | 143 | 42415  | 8.19 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 81212  | 6.17 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.64 | 131 | 3602   | 0.23 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 283941 | 7.80 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.04 | 160 | 324970 | 6.91 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.56 | 143 | 5781   | 0.97 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.35 | 176 | 256793 | 8.08 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 19112  | 4.60 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.20 | 188 | 384563 | 7.88 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 423025 | 7.83 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.38 | 264 | 472475 | 7.59 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |              | Ovalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 20) Nitrobenzene               | 8.91  | 77  | 244605  | 16.968 ng/ul | 92     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216 | 282503m | 18.148 ng/ul |        |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216 | 1116990 | 66.729 ng/uL | 98     |
| 74) Pentachlorobenzene         | 14.67 | 250 | 25856   | 1.712 ng/uL  | 94     |

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

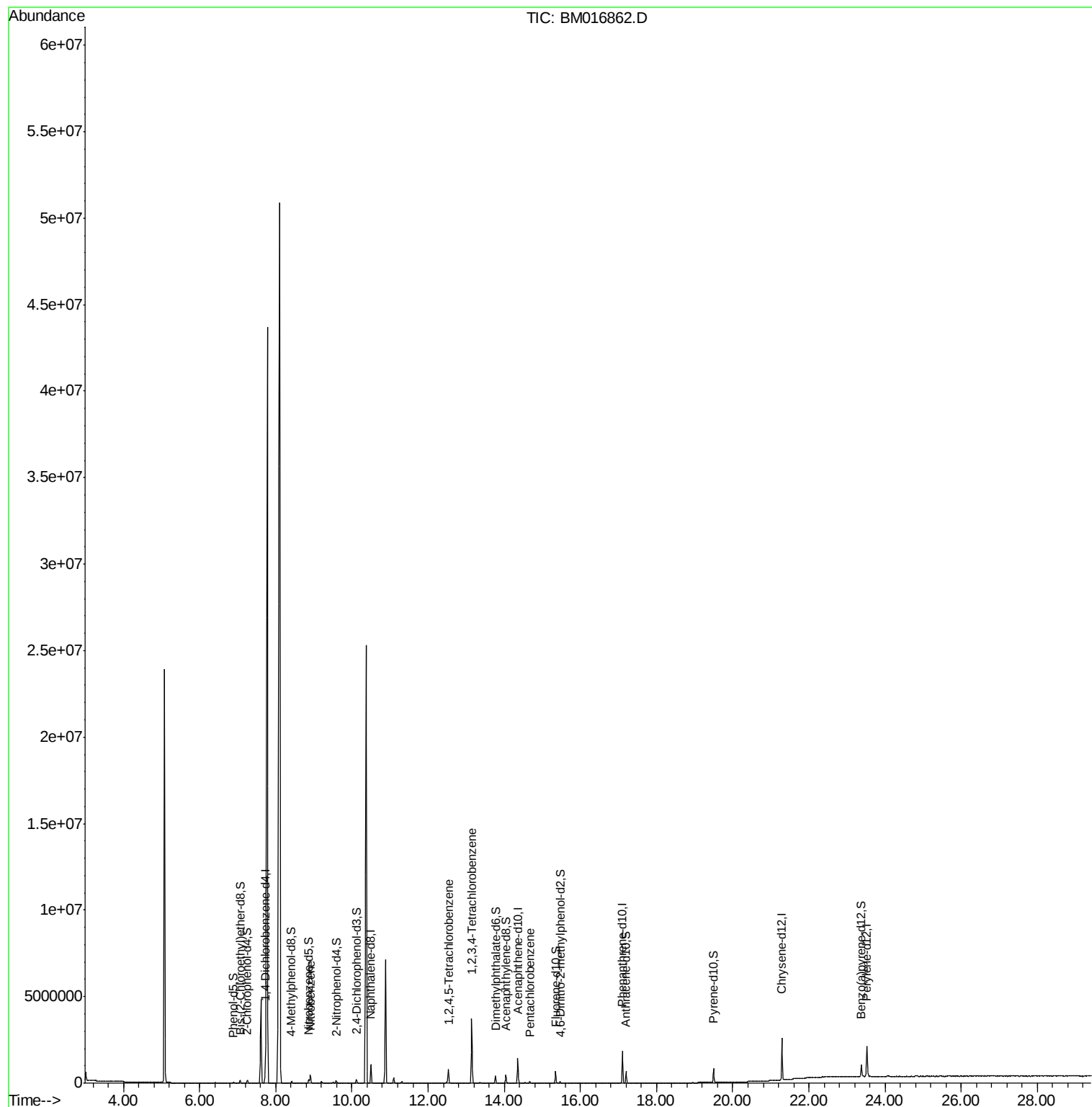
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
Data File : BM016862.D  
Acq On : 22 Sep 2018 10:23  
Operator : SJ/JU  
Sample : J5013-02DL 5X  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

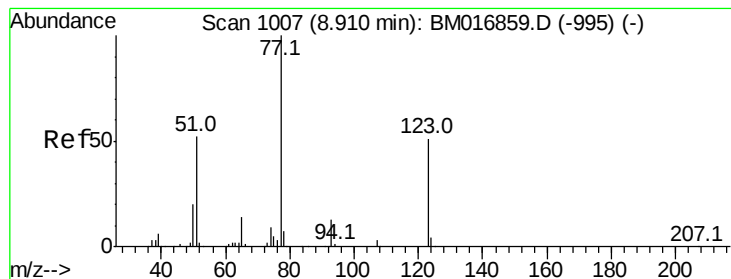
Instrument :  
BNA\_M  
ClientSampleId :  
C08R6DL

Quant Time: Sep 24 01:55:59 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM091018MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 24 01:42:23 2018  
Response via : Initial Calibration

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#20

Nitrobenzene

Concen: 16.968 ng/ul

RT: 8.91 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BM016862.D

Acq: 22 Sep 2018 10:23

Instrument :

BNA\_M

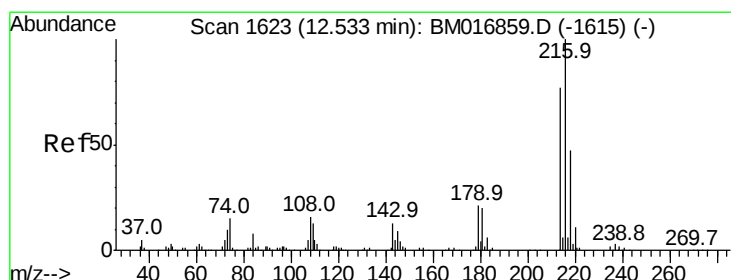
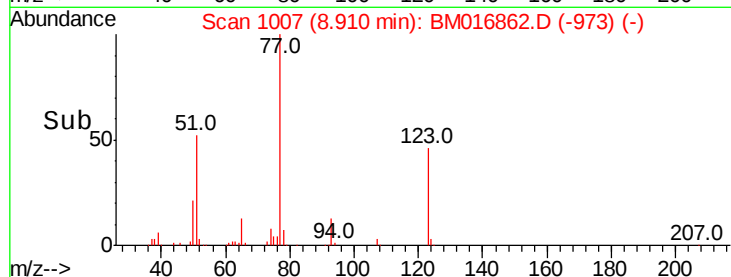
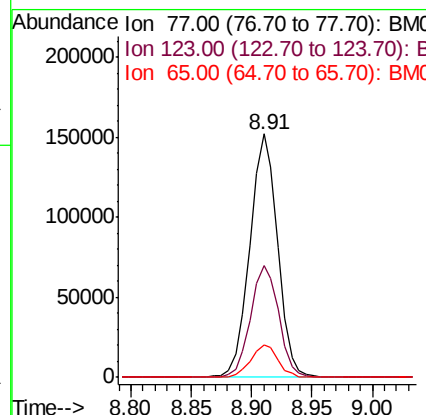
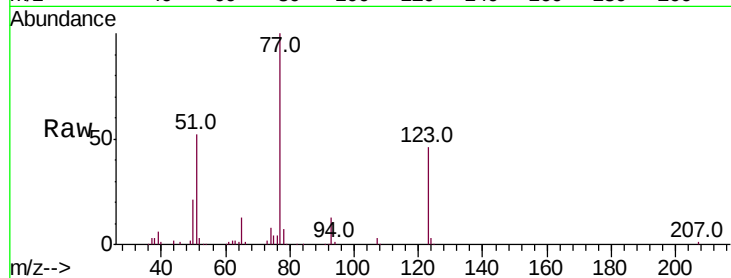
ClientSampleId :

C08R6DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 244605 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 46.0  | 31.8  | 47.8   |
| 65        | 13.2  | 10.6  | 16.0   |

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#37

1,2,4,5-Tetrachlorobenzene

Concen: 18.148 ng/ul m

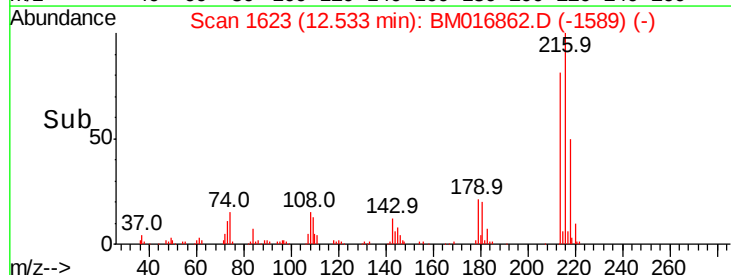
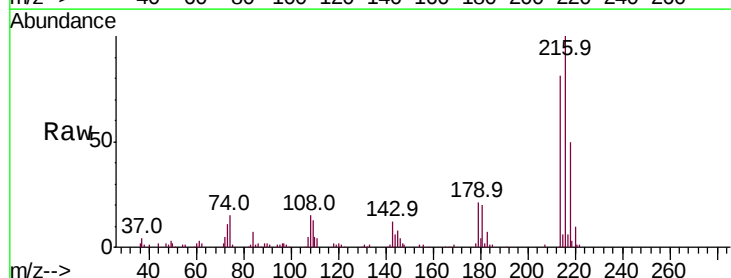
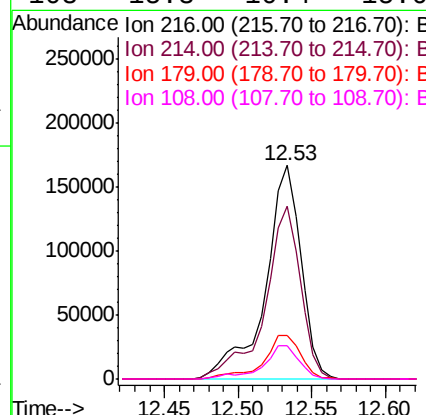
RT: 12.53 min Scan# 1623

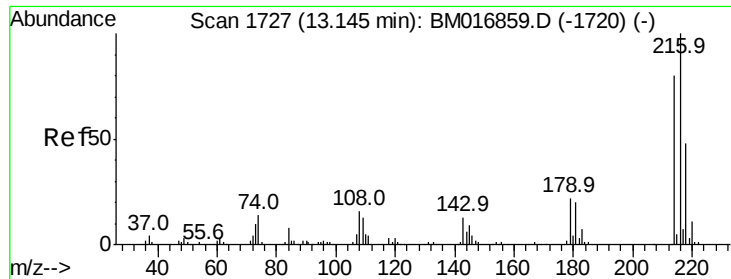
Delta R.T. 0.00 min

Lab File: BM016862.D

Acq: 22 Sep 2018 10:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 282503 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 80.8  | 64.1  | 96.1   |
| 179       | 20.6  | 14.5  | 21.7   |
| 108       | 15.3  | 10.4  | 15.6   |





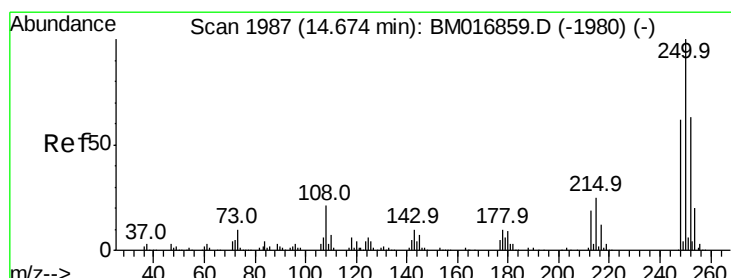
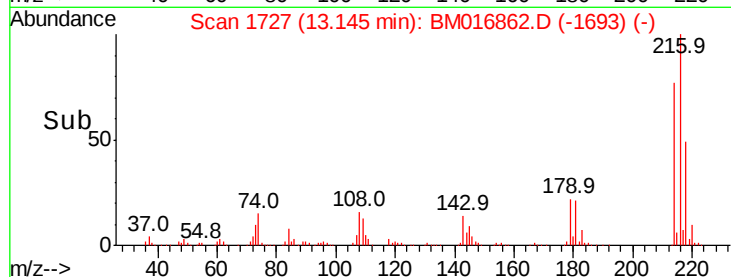
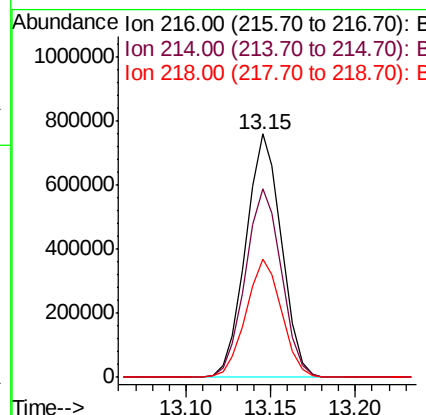
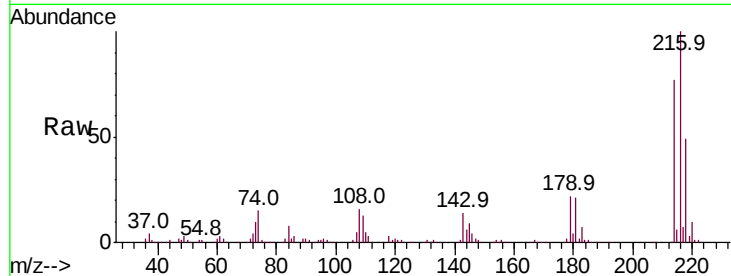
#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 66.729 ng/uL  
 RT: 13.15 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: BM016862.D  
 Acq: 22 Sep 2018 10:23

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.4  | 64.1  | 96.1  |
| 218     | 48.5  | 39.4  | 59.0  |

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#74  
 Pentachlorobenzene  
 Concen: 1.712 ng/uL  
 RT: 14.67 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: BM016862.D  
 Acq: 22 Sep 2018 10:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 62.1  | 51.4  | 77.2  |
| 252     | 69.9  | 49.8  | 74.6  |

