

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
 Data File : BM016863.D  
 Acq On : 22 Sep 2018 10:59  
 Operator : SJ/JU  
 Sample : J5013-01DL 10X  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C08R4DL

Manual Integrations  
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Quant Time: Sep 24 02:05:25 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  | 222727   | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.50 | 136  | 897298   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 469287   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.10 | 188  | 1057828  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.29 | 240  | 1191434  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.52 | 264  | 1269825  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 901    | 0.17 | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.89  | 99  | 10737  | 0.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 37058  | 3.19 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 33949  | 2.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 21681  | 1.49 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 21482  | 3.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 17531  | 3.27 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 34538  | 2.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 604    | 0.04 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 133211 | 3.54 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.05 | 160 | 144180 | 2.96 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.55 | 143 | 2237   | 0.36 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.35 | 176 | 122176 | 3.71 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 8484   | 1.95 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.20 | 188 | 174558 | 3.42 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 194890 | 3.37 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.38 | 264 | 215066 | 3.25 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |               | Ovalue |
|--------------------------------|-------|-----|--------|---------------|--------|
| 20) Nitrobenzene               | 8.91  | 77  | 673388 | 45.152 ng/ul# | 89     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216 | 79155m | 4.911 ng/ul   |        |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216 | 275907 | 15.759 ng/uL  | 97     |

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

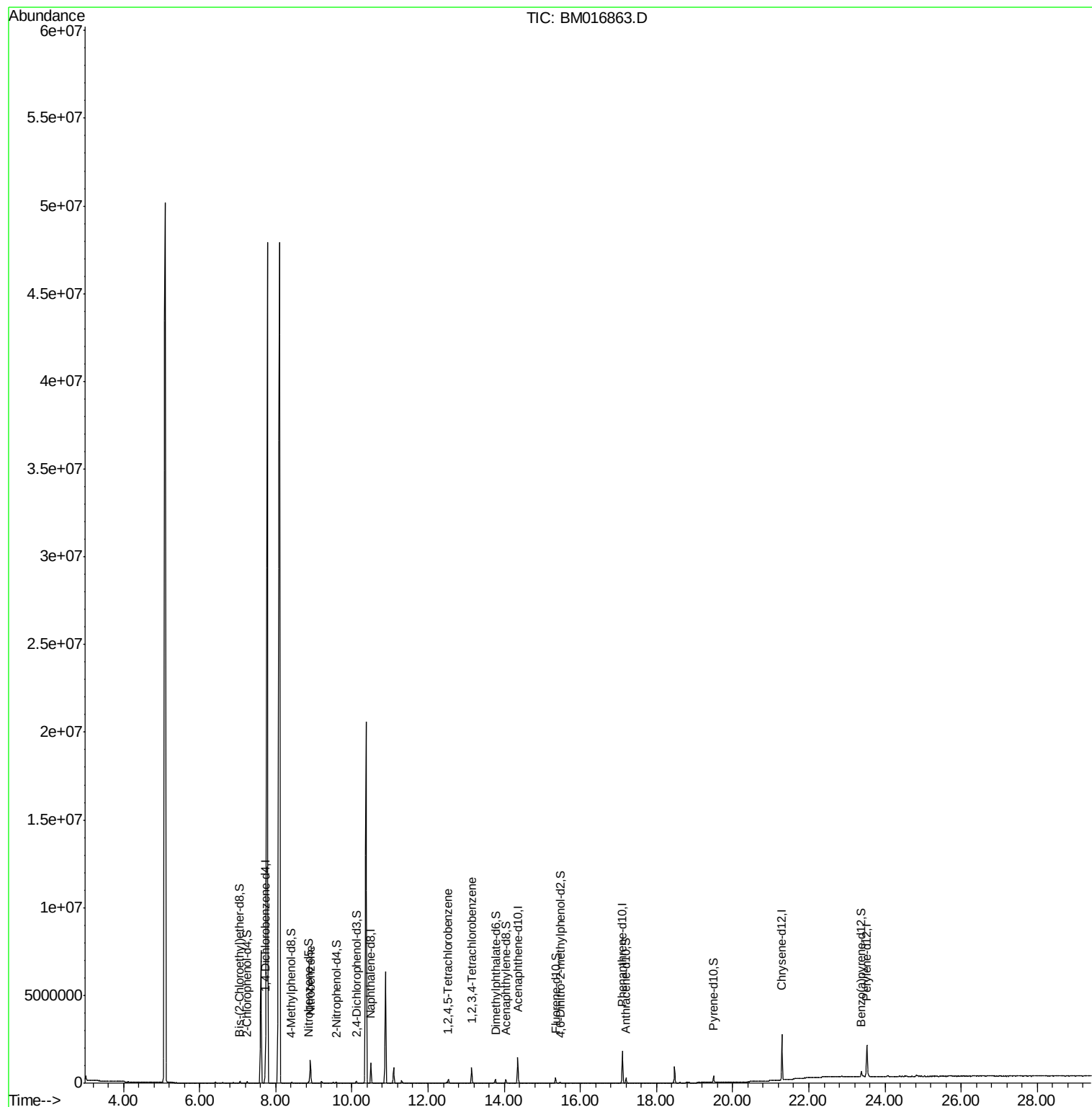
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092118\  
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ALS Vial : 41 Sample Multiplier: 1

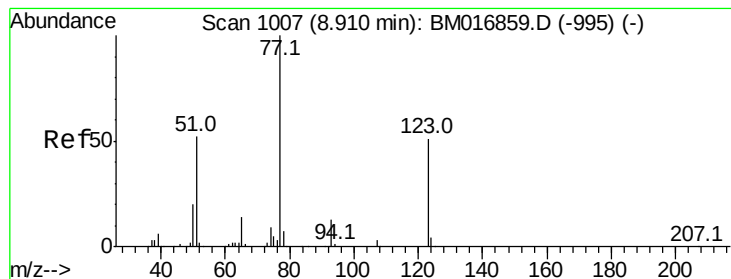
Instrument :  
BNA\_M  
ClientSampleId :  
C08R4DL

Quant Time: Sep 24 02:05:25 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  
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#20

Nitrobenzene

Concen: 45.152 ng/ul

RT: 8.91 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BM016863.D

Acq: 22 Sep 2018 10:59

Instrument :

BNA\_M

ClientSampled :

C08R4DL

Tot Ion: 77 Resp: 673388

Ion Ratio Lower Upper

77 100

123 48.3 31.8 47.8#

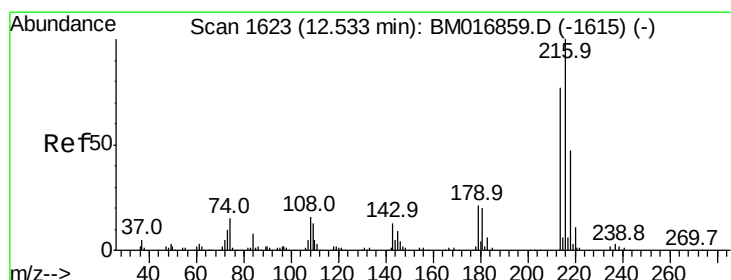
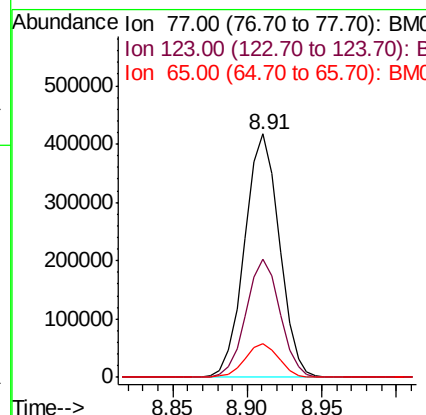
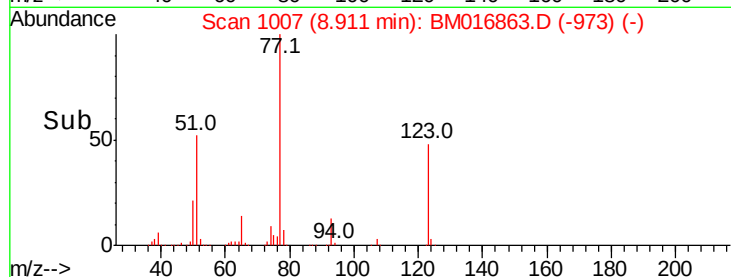
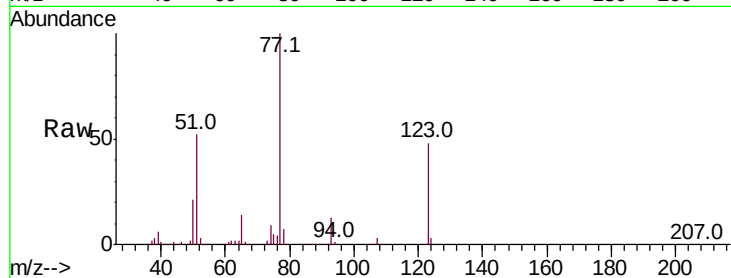
65 14.0 10.6 16.0

Manual Integrations

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#37

1,2,4,5-Tetrachlorobenzene

Concen: 4.911 ng/ul m

RT: 12.53 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BM016863.D

Acq: 22 Sep 2018 10:59

Tgt Ion: 216 Resp: 79155

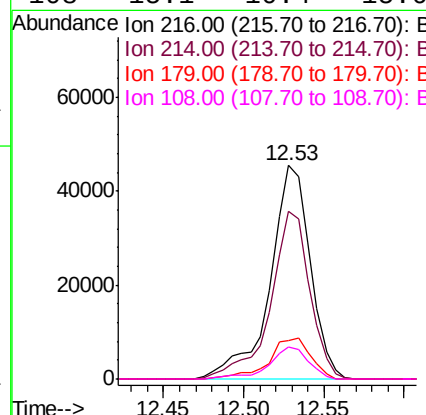
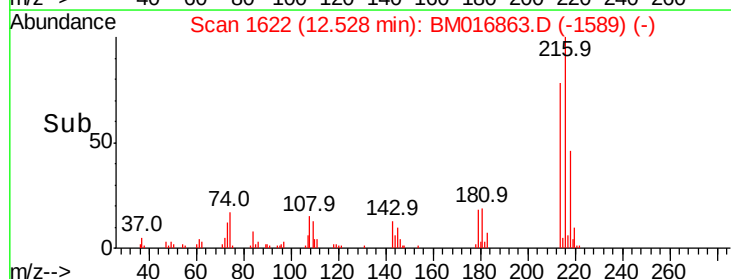
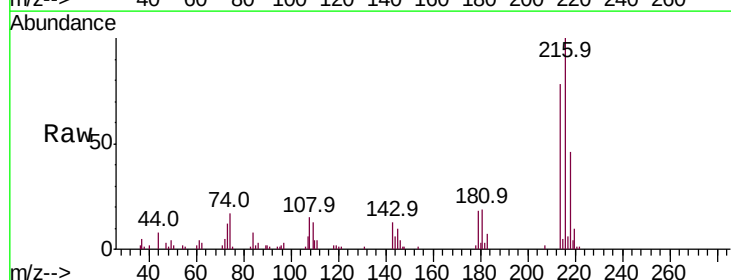
Ion Ratio Lower Upper

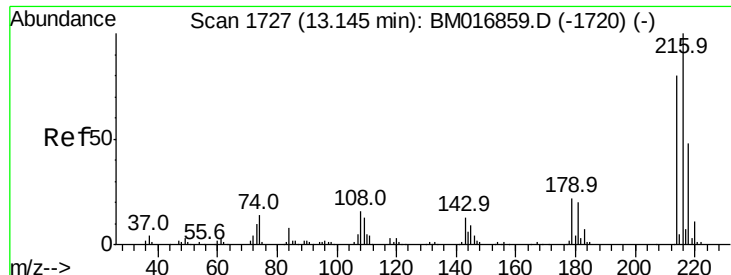
216 100

214 78.4 64.1 96.1

179 17.8 14.5 21.7

108 15.1 10.4 15.6





#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 15.759 ng/uL  
 RT: 13.15 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: BM016863.D  
 Acq: 22 Sep 2018 10:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
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| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 77.8  | 64.1       | 96.1  |
| 218     | 47.5  | 39.4       | 59.0  |

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