

Data Path : Z:\HPCHEM1\BNA\_B\DATA\BB101916\  
 Data File : BB058654.D  
 Acq On : 19 Oct 2016 16:03  
 Operator : UM/SJ  
 Sample : MDL-01-S  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_B  
 ClientSampleId :  
 MDL-01-S

Quant Time: Oct 20 04:25:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_B\METHOD\SOM02.2-EPA-BB101916-MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 20 04:20:07 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.68  | 152  | 527609   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 11.64 | 136  | 2041888  | 20.00 | ng/ul | 0.00     |
| 13) Acenaphthene-d10      | 15.59 | 164  | 1186415  | 20.00 | ng/ul | 0.00     |
| 18) Phenanthrene-d10      | 18.42 | 188  | 1773492  | 20.00 | ng/ul | 0.00     |
| 23) Chrysene-d12          | 22.79 | 240  | 1821184  | 20.00 | ng/ul | 0.00     |
| 25) Perylene-d12          | 25.87 | 264  | 1290463  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.67  | 96  | 94771   | 7.80  | ng/uL | 0.02 |
| 3) Phenol-d5                   | 7.81  | 99  | 1326274 | 32.84 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.97  | 67  | 1011191 | 35.55 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 8.20  | 132 | 1381688 | 34.48 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 9.45  | 113 | 1075364 | 33.07 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 9.89  | 128 | 709837  | 34.78 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 10.66 | 143 | 784769  | 35.36 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 11.24 | 165 | 1017832 | 33.30 | ng/ul | 0.00 |
| 11) 4-Chloroaniline-d4         | 11.76 | 131 | 1470684 | 37.64 | ng/ul | 0.00 |
| 14) Dimethylphthalate-d6       | 14.95 | 166 | 2663244 | 33.90 | ng/ul | 0.00 |
| 15) Acenaphthylene-d8          | 15.26 | 160 | 3150915 | 34.11 | ng/ul | 0.00 |
| 16) 4-Nitrophenol-d4           | 15.78 | 143 | 552924  | 31.22 | ng/ul | 0.00 |
| 17) Fluorene-d10               | 16.61 | 176 | 2204697 | 34.46 | ng/ul | 0.00 |
| 19) 4,6-Dinitro-2-methylphenol | 16.73 | 200 | 533739  | 28.64 | ng/ul | 0.00 |
| 20) Anthracene-d10             | 18.42 | 188 | 1773492 | 22.00 | ng/ul | 0.00 |
| 24) Pyrene-d10                 | 20.86 | 212 | 2946087 | 36.33 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12         | 25.68 | 264 | 2104734 | 36.18 | ng/ul | 0.02 |

## Target Compounds

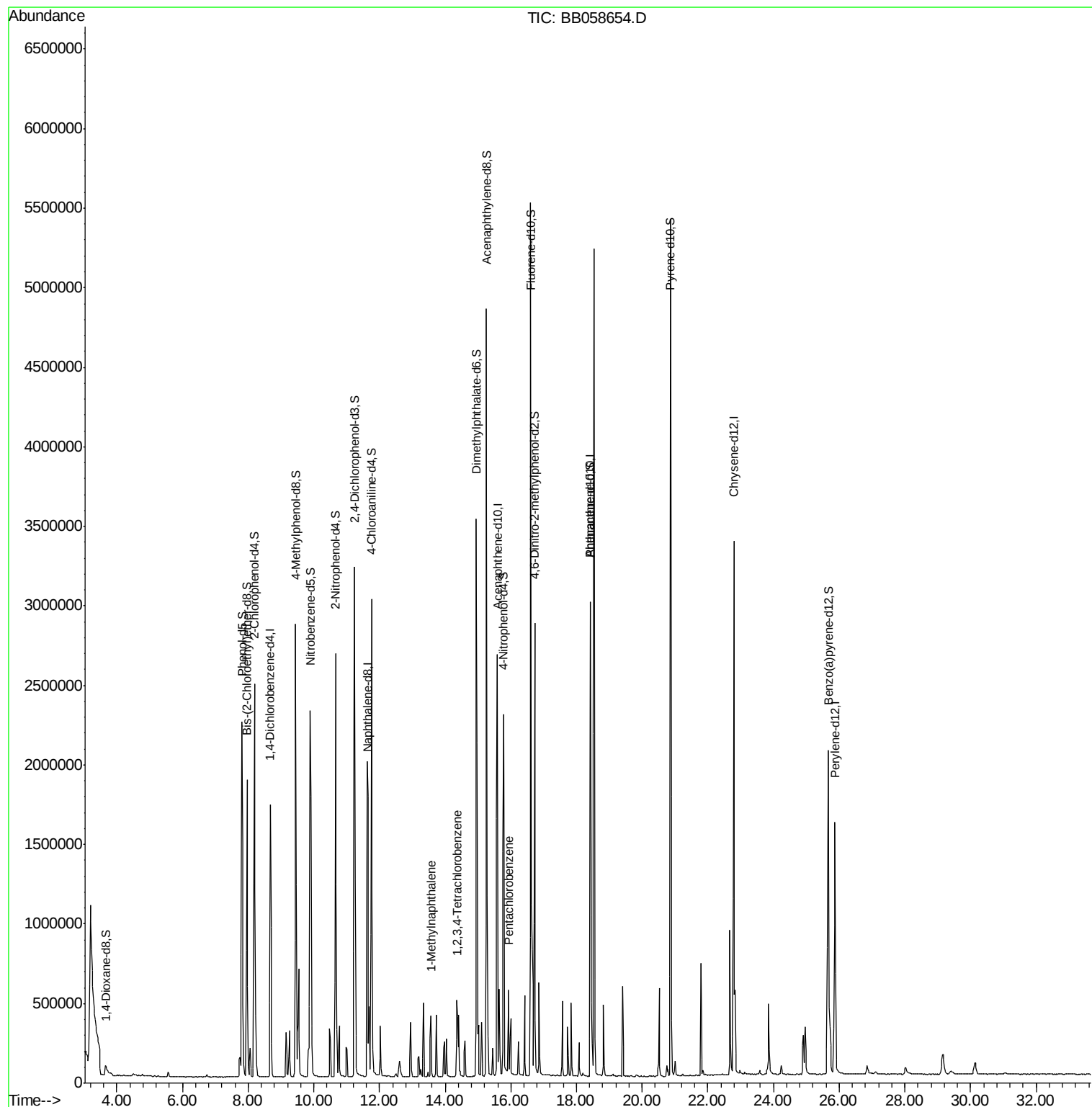
|                                |       |     |        |      |       | Qvalue |
|--------------------------------|-------|-----|--------|------|-------|--------|
| 12) 1-Methylnaphthalene        | 13.57 | 142 | 196265 | 3.04 | ng/ul | 97     |
| 21) 1,2,3,4-Tetrachlorobenzene | 14.36 | 216 | 89995  | 2.88 | ng/uL | 99     |
| 22) Pentachlorobenzene         | 15.94 | 250 | 85385  | 2.79 | ng/uL | 99     |

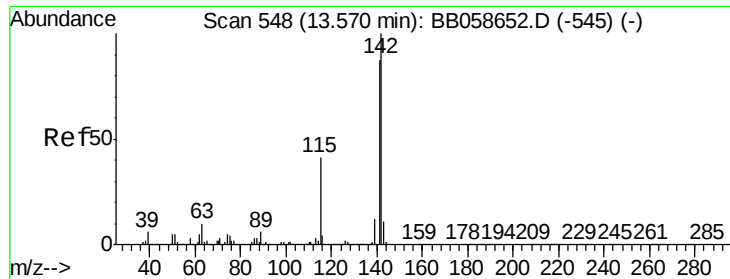
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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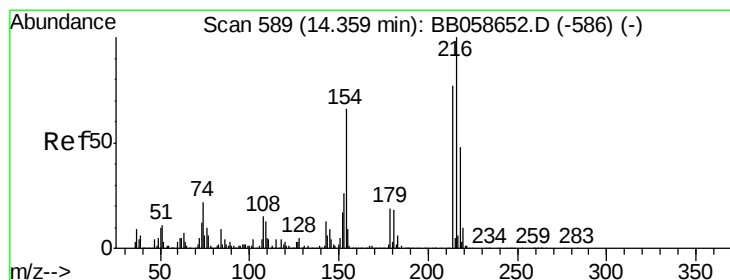
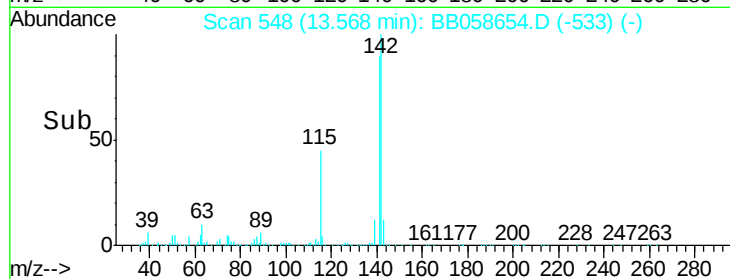
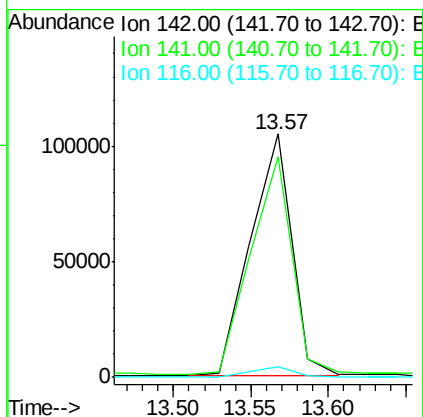
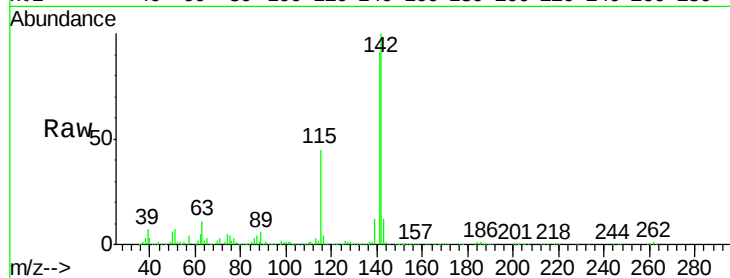




#12  
 1-Methylnaphthalene  
 Concen: 3.04 ng/uL  
 RT: 13.57 min Scan# 548  
 Delta R.T. -0.00 min  
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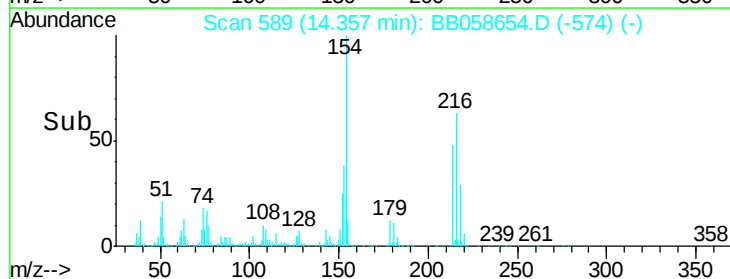
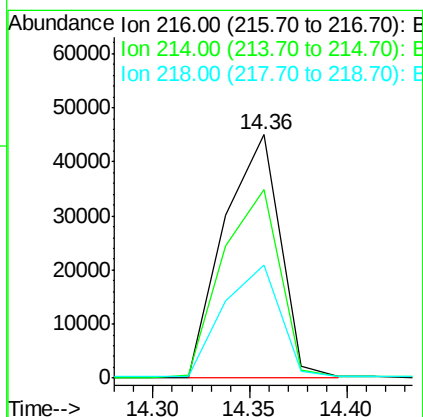
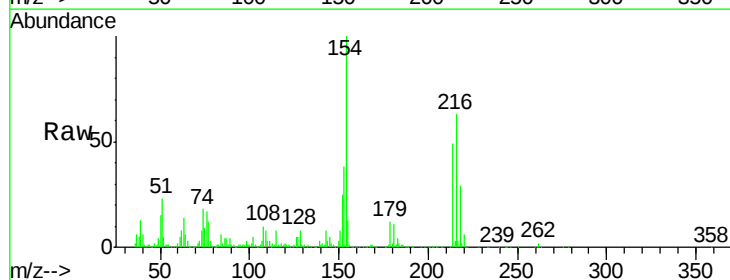
Instrument :  
 BNA\_B  
 ClientSampleID :  
 MDL-01-S

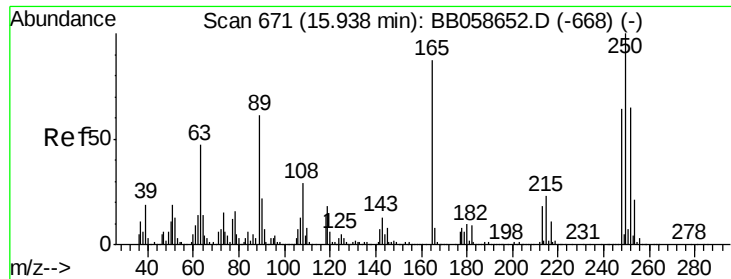
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.8  | 74.9  | 112.3 |
| 116     | 4.4   | 3.1   | 4.7   |



#21  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 2.88 ng/uL  
 RT: 14.36 min Scan# 589  
 Delta R.T. -0.00 min  
 Lab File: BB058654.D  
 Acq: 19 Oct 2016 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.4  | 62.5  | 93.7  |
| 218     | 46.4  | 38.4  | 57.6  |

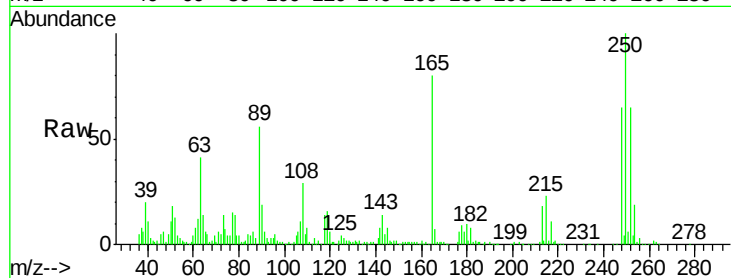




#22  
 Pentachlorobenzene  
 Concen: 2.79 ng/uL  
 RT: 15.94 min Scan# 671  
 Delta R.T. -0.00 min  
 Lab File: BB058654.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 64.6  | 50.6  | 75.8  |
| 252     | 64.8  | 51.4  | 77.0  |



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

