

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG102115\  
 Data File : BG019300.D  
 Acq On : 22 Oct 2015 3:41  
 Operator : UM/NP  
 Sample : G4057-22  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LQ4

Quant Time: Oct 22 09:53:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG101515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 21 01:23:32 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.99  | 152  | 14256    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.79 | 136  | 67051    | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.62 | 164  | 51981    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.36 | 188  | 120654   | 20.00 | ng/ul | -0.01    |
| 78) Chrysene-d12          | 21.63 | 240  | 141970   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 24.82 | 264  | 141281   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.41  | 96  | 184    | 0.72  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 7.16  | 99  | 6891   | 5.54  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.31  | 67  | 21134  | 26.40 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.52  | 132 | 22539  | 24.86 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.70  | 113 | 15509  | 14.71 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.15  | 128 | 14965  | 28.97 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.87  | 143 | 19057  | 34.76 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.42 | 165 | 35203  | 32.42 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.94 | 131 | 1168   | 0.84  | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.03 | 166 | 135382 | 29.78 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.31 | 160 | 151014 | 30.73 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.85 | 143 | 4408   | 5.39  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.61 | 176 | 122049 | 31.41 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 26558  | 35.68 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.46 | 188 | 186417 | 32.70 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.75 | 212 | 218100 | 33.87 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.60 | 264 | 238700 | 33.44 | ng/ul | 0.00  |

## Target Compounds

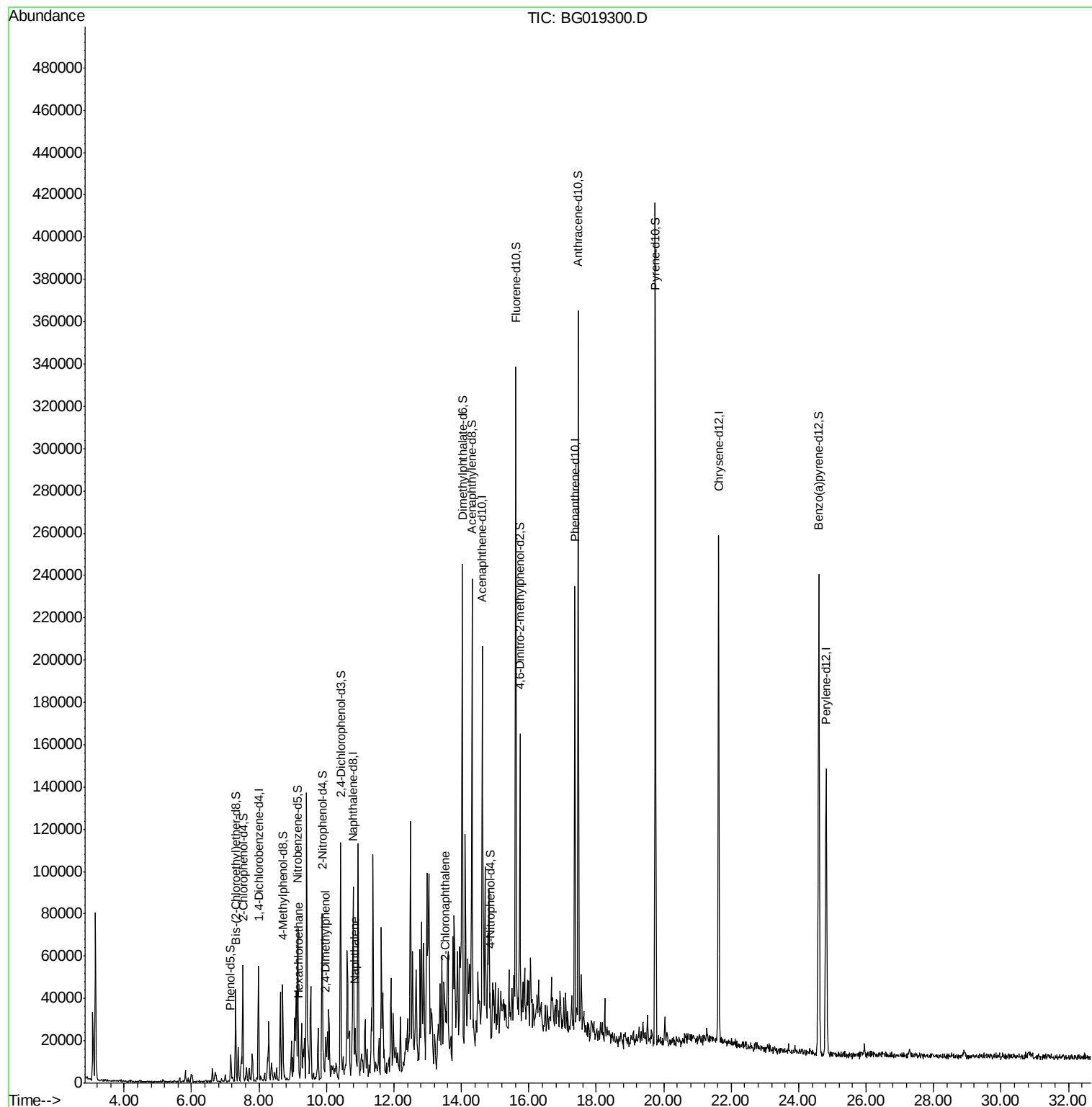
|                         |       |     |      |             | Qvalue |
|-------------------------|-------|-----|------|-------------|--------|
| 17) Hexachloroethane    | 9.17  | 117 | 781  | 1.95 ng/ul# | 1      |
| 24) 2,4-Dimethylphenol  | 9.97  | 107 | 3853 | 2.73 ng/ul# | 83     |
| 28) Naphthalene         | 10.84 | 128 | 9675 | 2.76 ng/ul  | 96     |
| 42) 2-Chloronaphthalene | 13.53 | 162 | 4044 | 1.29 ng/ul# | 66     |

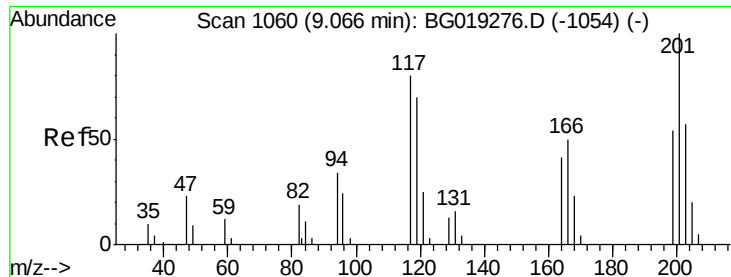
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 21 01:23:32 2015  
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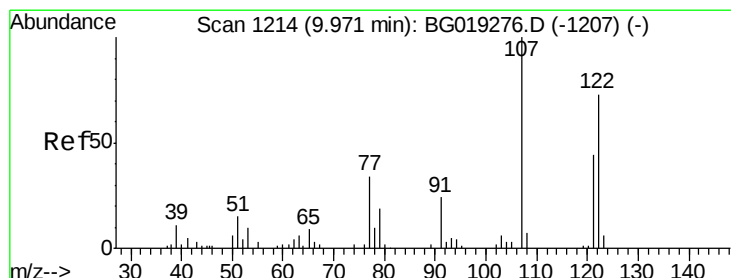
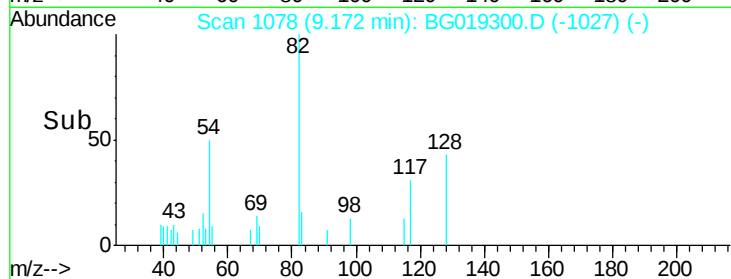
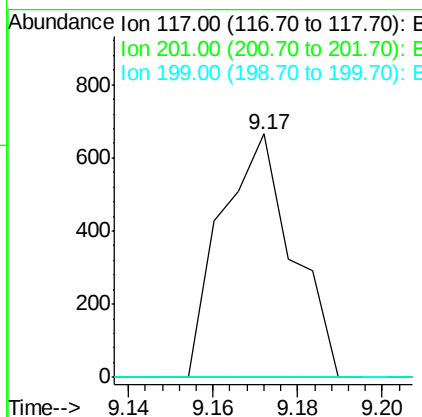
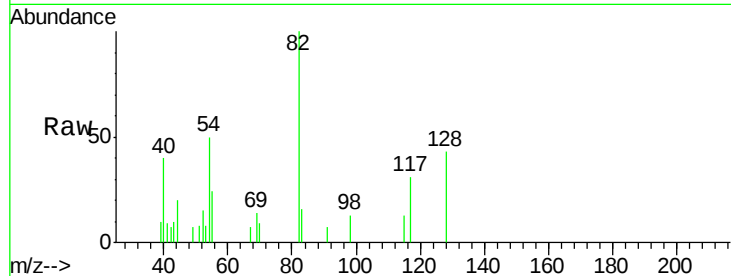




#17  
 Hexachloroethane  
 Concen: 1.95 ng/ul  
 RT: 9.17 min Scan# 1078  
 Delta R.T. 0.10 min  
 Lab File: BG019300.D  
 Acq: 22 Oct 2015 3:41

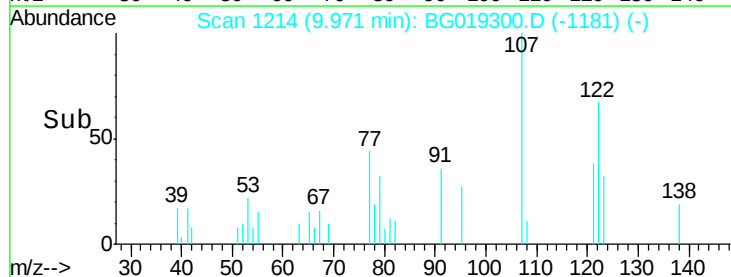
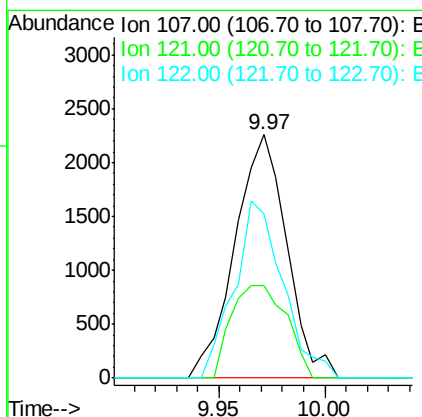
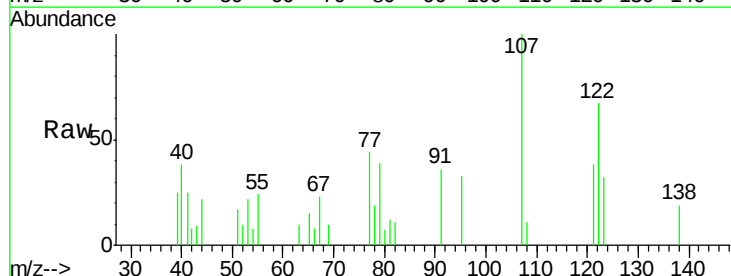
Instrument :  
 BNA\_G  
 ClientSampled :  
 E5LQ4

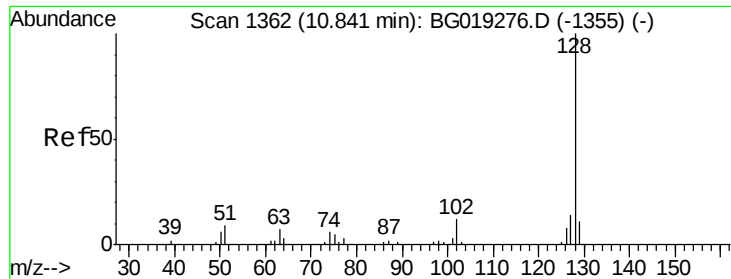
Tgt Ion:117 Resp: 781  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 91.4 137.0#  
 199 0.0 58.7 88.1#



#24  
 2,4-Dimethylphenol  
 Concen: 2.73 ng/ul  
 RT: 9.97 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BG019300.D  
 Acq: 22 Oct 2015 3:41

Tgt Ion:107 Resp: 3853  
 Ion Ratio Lower Upper  
 107 100  
 121 38.2 37.2 55.8  
 122 67.4 67.6 101.4#

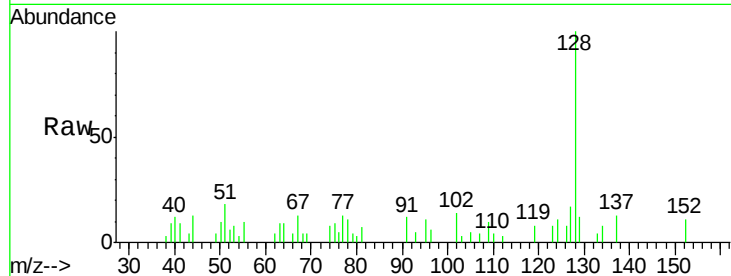




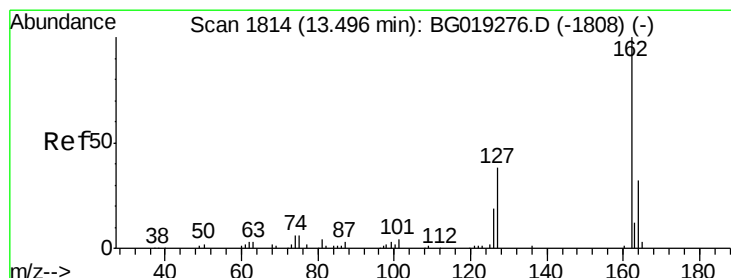
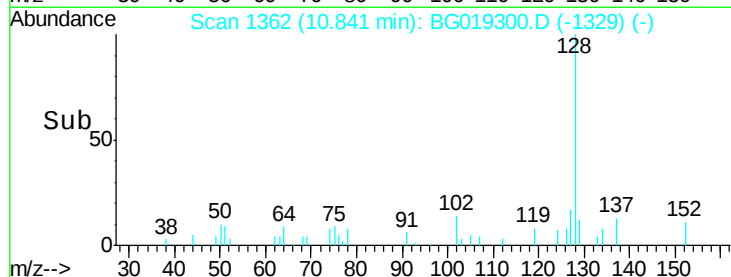
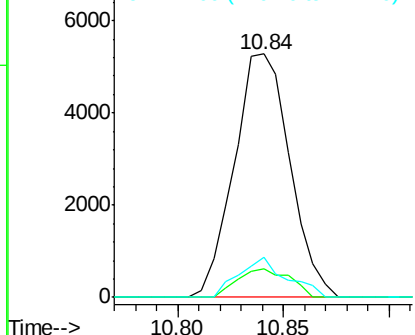
#28  
Naphthalene  
Concen: 2.76 ng/ul  
RT: 10.84 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: BG019300.D  
Acq: 22 Oct 2015 3:41

Instrument :  
BNA\_G  
ClientSampleId :  
E5LQ4

Tgt Ion:128 Resp: 9675  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.6 14.4  
127 16.7 11.3 16.9

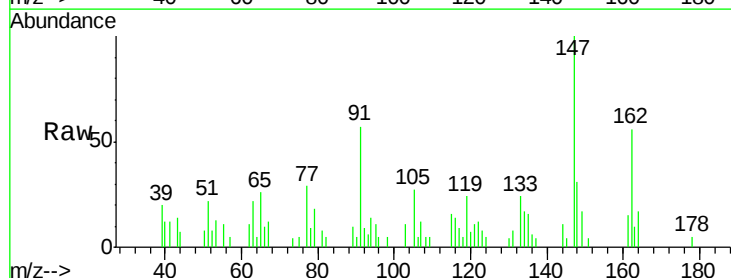


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#42  
2-Chloronaphthalene  
Concen: 1.29 ng/ul  
RT: 13.53 min Scan# 1819  
Delta R.T. 0.02 min  
Lab File: BG019300.D  
Acq: 22 Oct 2015 3:41

Tgt Ion:162 Resp: 4044  
Ion Ratio Lower Upper  
162 100  
164 31.0 25.8 38.8  
127 0.0 29.0 43.4#



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 127.00 (126.70 to 127.70): E

