

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081519\  
 Data File : BG042221.D  
 Acq On : 15 Aug 2019 9:51  
 Operator : HP/JU  
 Sample : PB122091BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SBLK91

Quant Time: Aug 16 10:04:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 14 10:42:59 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 70651    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.85 | 136  | 281569   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.69 | 164  | 187949   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.44 | 188  | 395877   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.72 | 240  | 391847   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.99 | 264  | 433678   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.41  | 96  | 8573   | 5.31  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.18  | 99  | 175574 | 31.67 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.34  | 67  | 89779  | 28.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.55  | 132 | 160248 | 33.81 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.74  | 113 | 146146 | 31.40 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.19  | 128 | 78249  | 36.92 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 96196  | 39.09 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.47 | 165 | 173018 | 34.83 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.98 | 131 | 213593 | 38.74 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.08 | 166 | 509632 | 34.96 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.38 | 160 | 602936 | 36.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.89 | 143 | 65505  | 26.76 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.68 | 176 | 446869 | 34.46 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 59228  | 23.32 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.54 | 188 | 682262 | 35.92 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.82 | 212 | 770898 | 35.25 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.76 | 264 | 852399 | 37.62 | ng/ul | 0.00 |

## Target Compounds

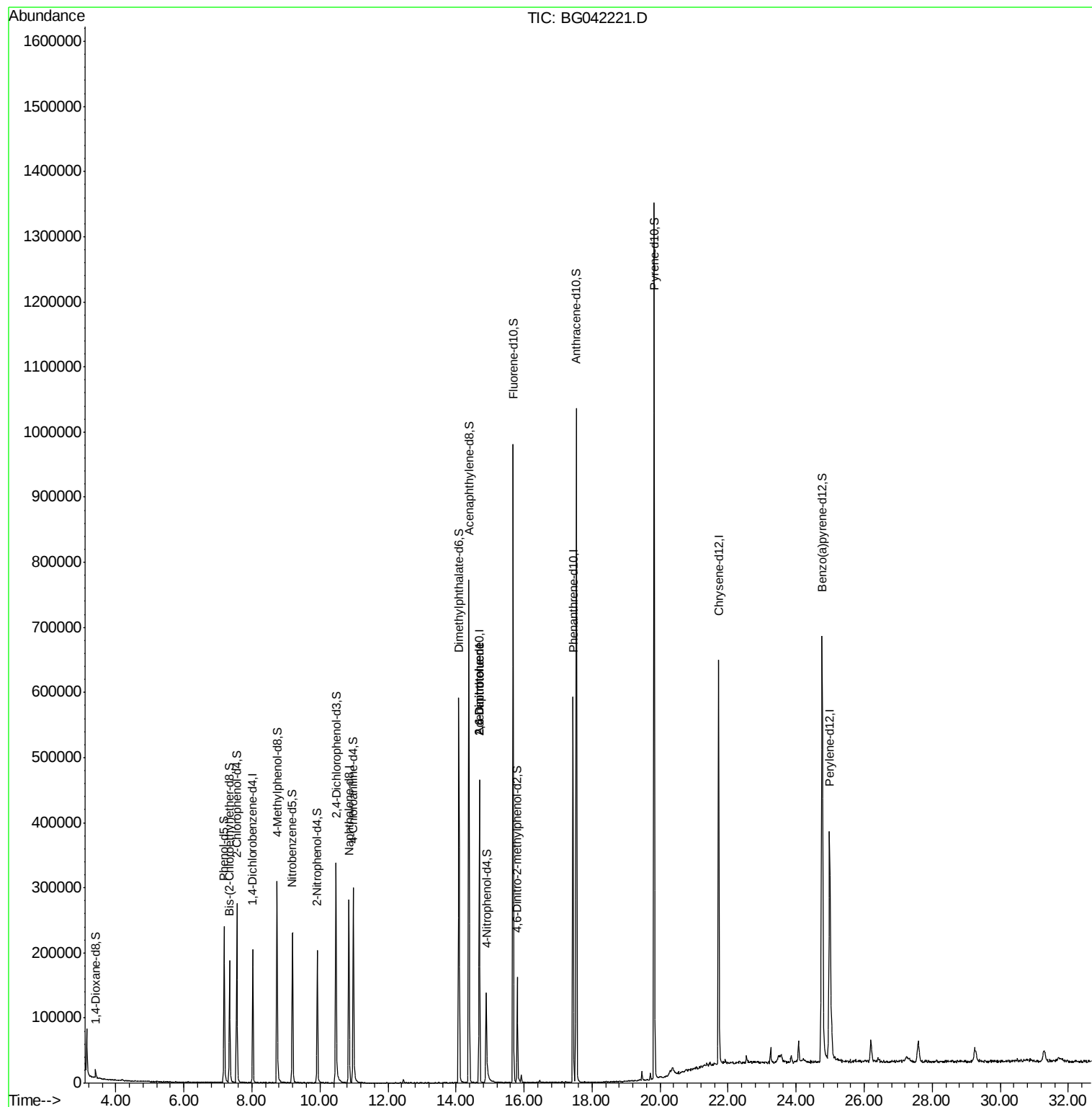
|                        |       |     |       |       | Ovalue |    |
|------------------------|-------|-----|-------|-------|--------|----|
| 45) 2,6-Dinitrotoluene | 14.68 | 165 | 25177 | 7.997 | ng/ul# | 39 |
| 54) 2,4-Dinitrotoluene | 14.68 | 165 | 25177 | 5.500 | ng/ul# | 42 |

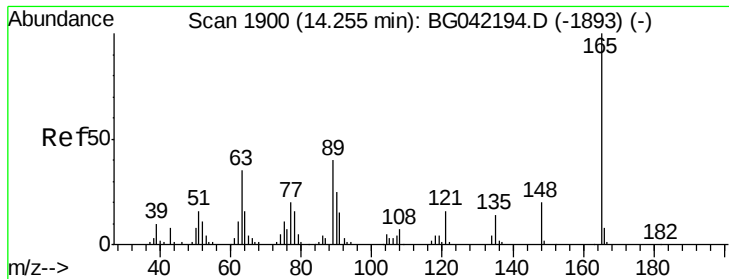
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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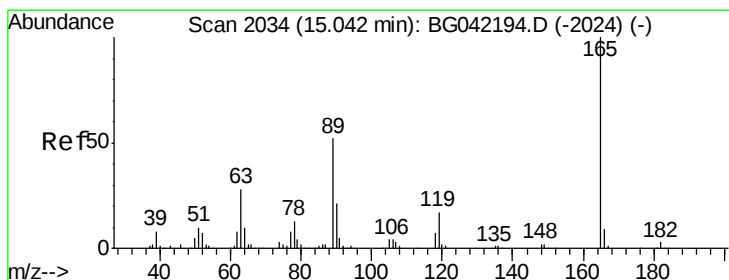
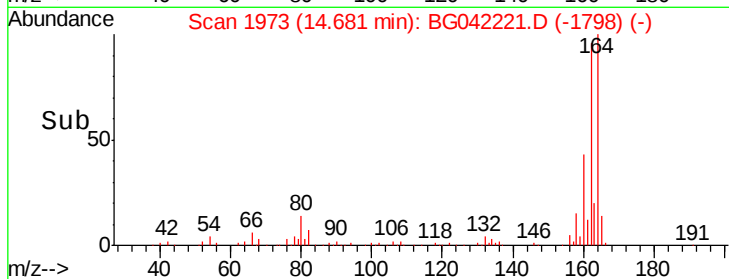
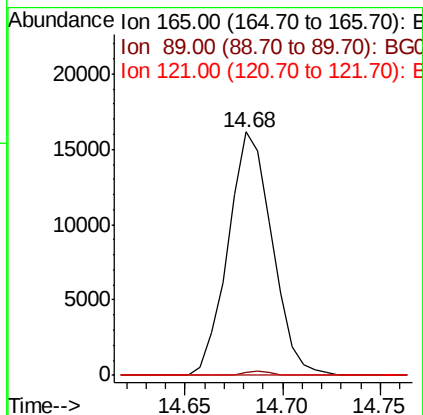
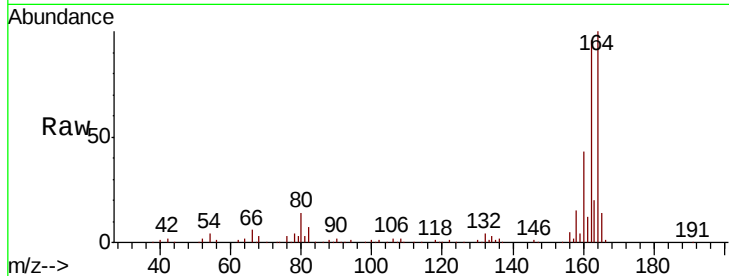




#45  
 2,6-Dinitrotoluene  
 Concen: 7.997 ng/ul  
 RT: 14.68 min Scan# 1973  
 Delta R.T. 0.43 min  
 Lab File: BG042221.D  
 Acq: 15 Aug 2019 9:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 1.1   | 36.8  | 55.2# |
| 121     | 0.0   | 15.6  | 23.4# |



#54  
 2,4-Dinitrotoluene  
 Concen: 5.500 ng/ul  
 RT: 14.68 min Scan# 1973  
 Delta R.T. -0.36 min  
 Lab File: BG042221.D  
 Acq: 15 Aug 2019 9:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 29.4  | 44.2# |
| 182     | 0.0   | 2.6   | 4.0#  |

