

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047657.D  
 Acq On : 8 Dec 2020 20:55  
 Operator : CG/JU  
 Sample : L4921-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 09 01:13:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 08 17:39:41 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 22408    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.04 | 136  | 82562    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.84 | 164  | 67959    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.57 | 188  | 177068   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.85 | 240  | 189423   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.21 | 264  | 191925   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 2287   | 5.44  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.35  | 99  | 10431  | 5.44  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.52  | 67  | 28561  | 28.97 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.74  | 132 | 33645  | 23.13 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.91  | 113 | 21094  | 13.86 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 21598  | 32.08 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 26217  | 32.31 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 48173  | 27.34 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.17 | 131 | 3651   | 2.26  | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 184496 | 31.26 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 218258 | 32.37 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.00 | 143 | 7537   | 8.61  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.82 | 176 | 179341 | 33.00 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 47442  | 39.58 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.57 | 188 | 177068 | 20.05 | ng/ul | -0.11 |
| 79) Pyrene-d10                 | 19.94 | 212 | 434559 | 38.81 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.98 | 264 | 432159 | 38.55 | ng/ul | 0.00  |

## Target Compounds

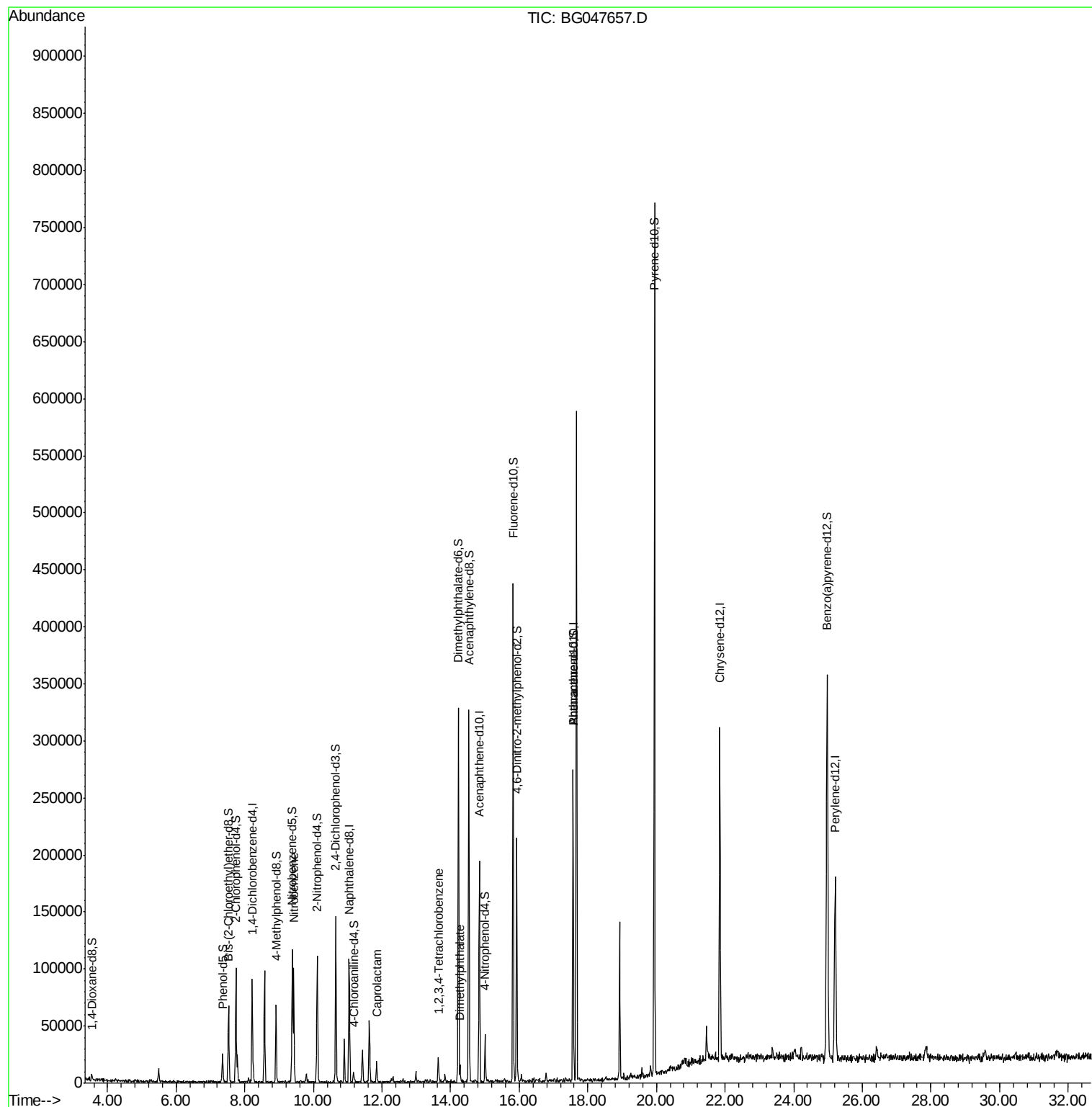
|                                |       |     |       |        | Ovalue |    |
|--------------------------------|-------|-----|-------|--------|--------|----|
| 20) Nitrobenzene               | 9.42  | 77  | 51421 | 24.139 | ng/ul  | 96 |
| 32) Caprolactam                | 11.85 | 113 | 582   | 1.159  | ng/ul# | 1  |
| 45) Dimethylphthalate          | 14.27 | 163 | 6571  | 1.099  | ng/ul# | 94 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.65 | 216 | 4282  | 1.543  | ng/uL# | 70 |

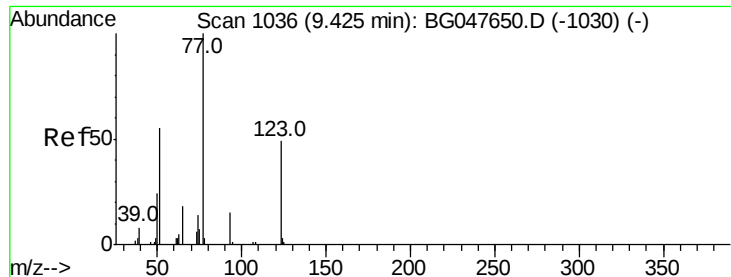
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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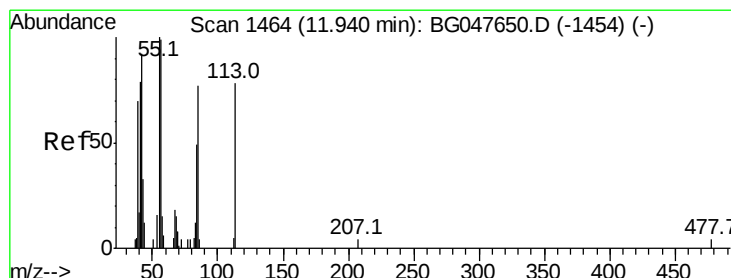
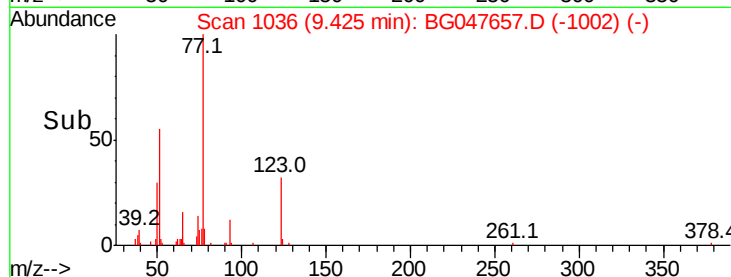
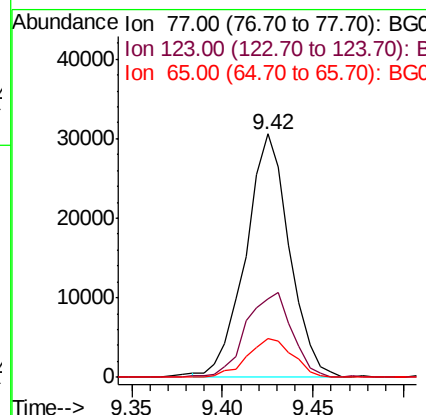
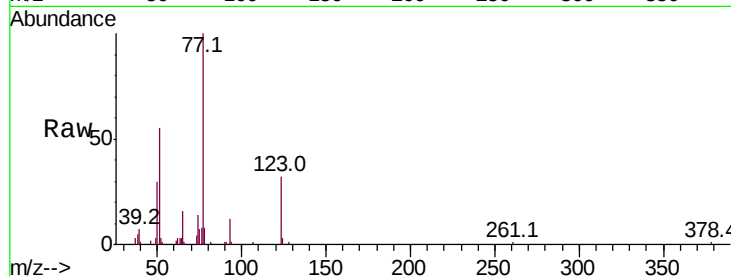




#20  
 Nitrobenzene  
 Concen: 24.139 ng/ul  
 RT: 9.42 min Scan# 1036  
 Delta R.T. -0.00 min  
 Lab File: BG047657.D  
 Acq: 8 Dec 2020 20:55

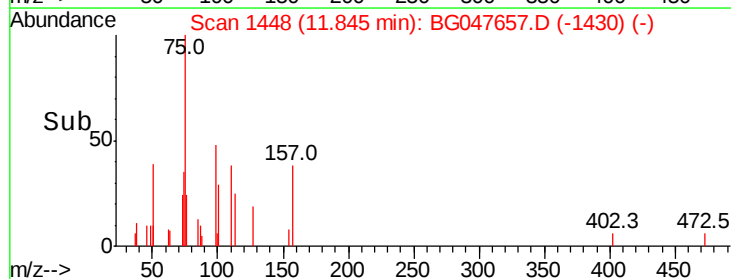
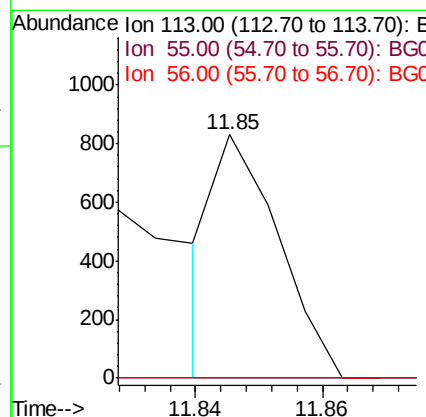
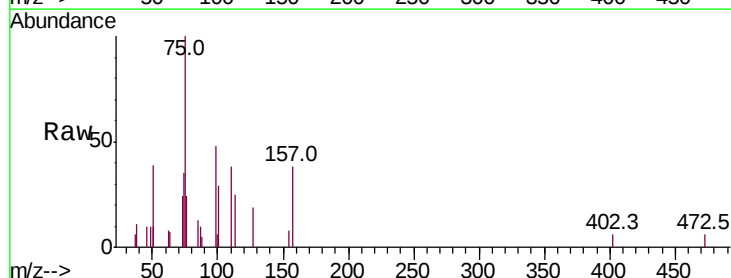
Instrument :  
 BNA\_G  
 ClientSampleId :

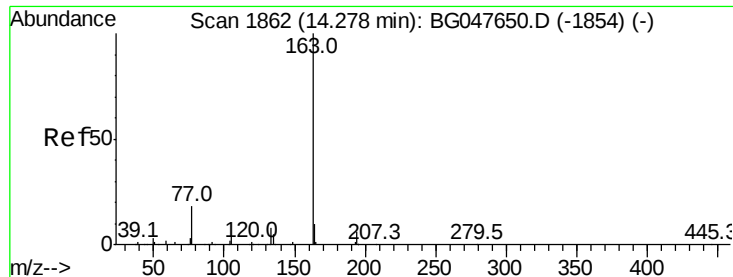
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 32.4  | 28.5  | 42.7  |
| 65      | 15.8  | 12.2  | 18.2  |



#32  
 Caprolactam  
 Concen: 1.159 ng/ul  
 RT: 11.85 min Scan# 1448  
 Delta R.T. -0.09 min  
 Lab File: BG047657.D  
 Acq: 8 Dec 2020 20:55

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 0.0   | 91.9  | 137.9# |
| 56      | 0.0   | 87.1  | 130.7# |

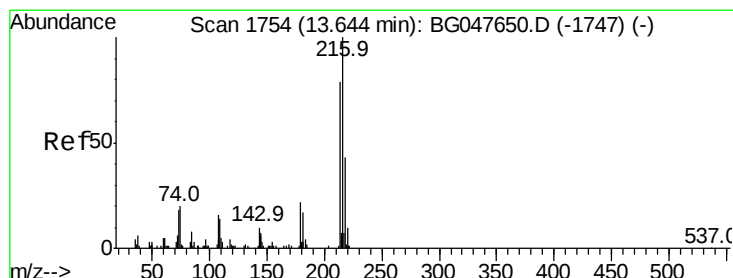
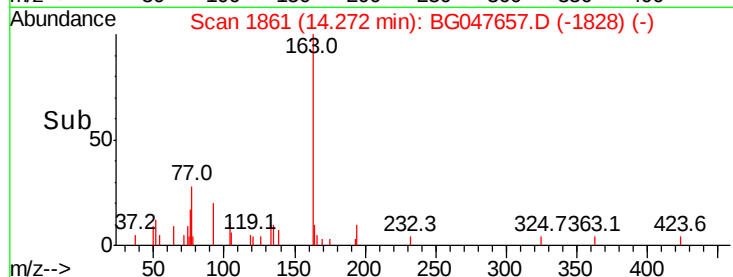
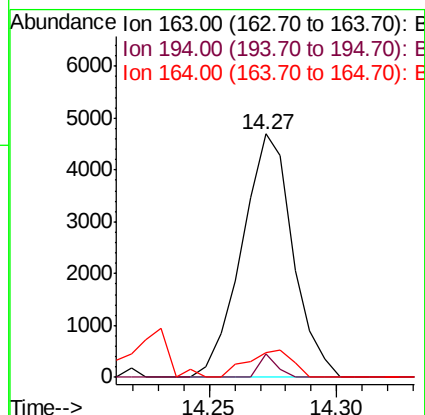
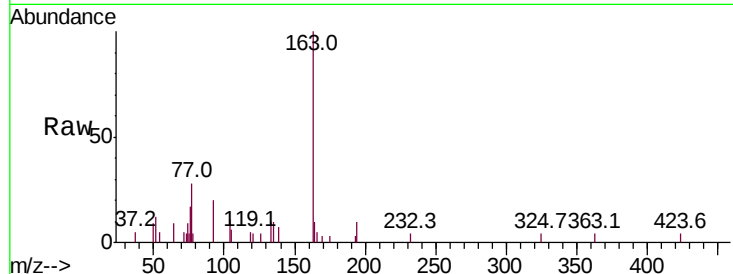




#45  
Dimethylphthalate  
Concen: 1.099 ng/ul  
RT: 14.27 min Scan# 1861  
Delta R.T. -0.01 min  
Lab File: BG047657.D  
Acq: 8 Dec 2020 20:55

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 6571  
Ion Ratio Lower Upper  
163 100  
194 9.5 3.9 5.9#  
164 9.9 7.4 11.2



#73  
1,2,3,4-Tetrachlorobenzene  
Concen: 1.543 ng/uL  
RT: 13.65 min Scan# 1755  
Delta R.T. 0.01 min  
Lab File: BG047657.D  
Acq: 8 Dec 2020 20:55

Tgt Ion:216 Resp: 4282  
Ion Ratio Lower Upper  
216 100  
214 47.6 61.7 92.5#  
218 32.4 39.3 58.9#

