

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122415\  
 Data File : BG020485.D  
 Acq On : 24 Dec 2015 23:06  
 Operator : UM/SJ  
 Sample : G4955-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C04F5

Quant Time: Dec 25 02:24:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG122415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 25 02:19:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.07  | 152  | 17851    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.89 | 136  | 76203    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.71 | 164  | 54203    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.46 | 188  | 134522   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.73 | 240  | 170797   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.00 | 264  | 162089   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.45  | 96  | 286    | 0.88  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.24  | 99  | 10776  | 7.52  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 25073  | 29.54 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.61  | 132 | 28794  | 26.20 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.79  | 113 | 21831  | 18.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.25  | 128 | 18294  | 30.63 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.97  | 143 | 21719  | 31.98 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.52 | 165 | 42814  | 32.57 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0      | 0.00  | ng/ul |      |
| 44) Dimethylphthalate-d6       | 14.11 | 166 | 155951 | 34.91 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.41 | 160 | 176889 | 34.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.93 | 143 | 4551   | 6.11  | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.70 | 176 | 137154 | 33.95 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 24016  | 26.94 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.56 | 188 | 220252 | 34.96 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.84 | 212 | 264808 | 35.81 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.77 | 264 | 297296 | 36.28 | ng/ul | 0.00 |

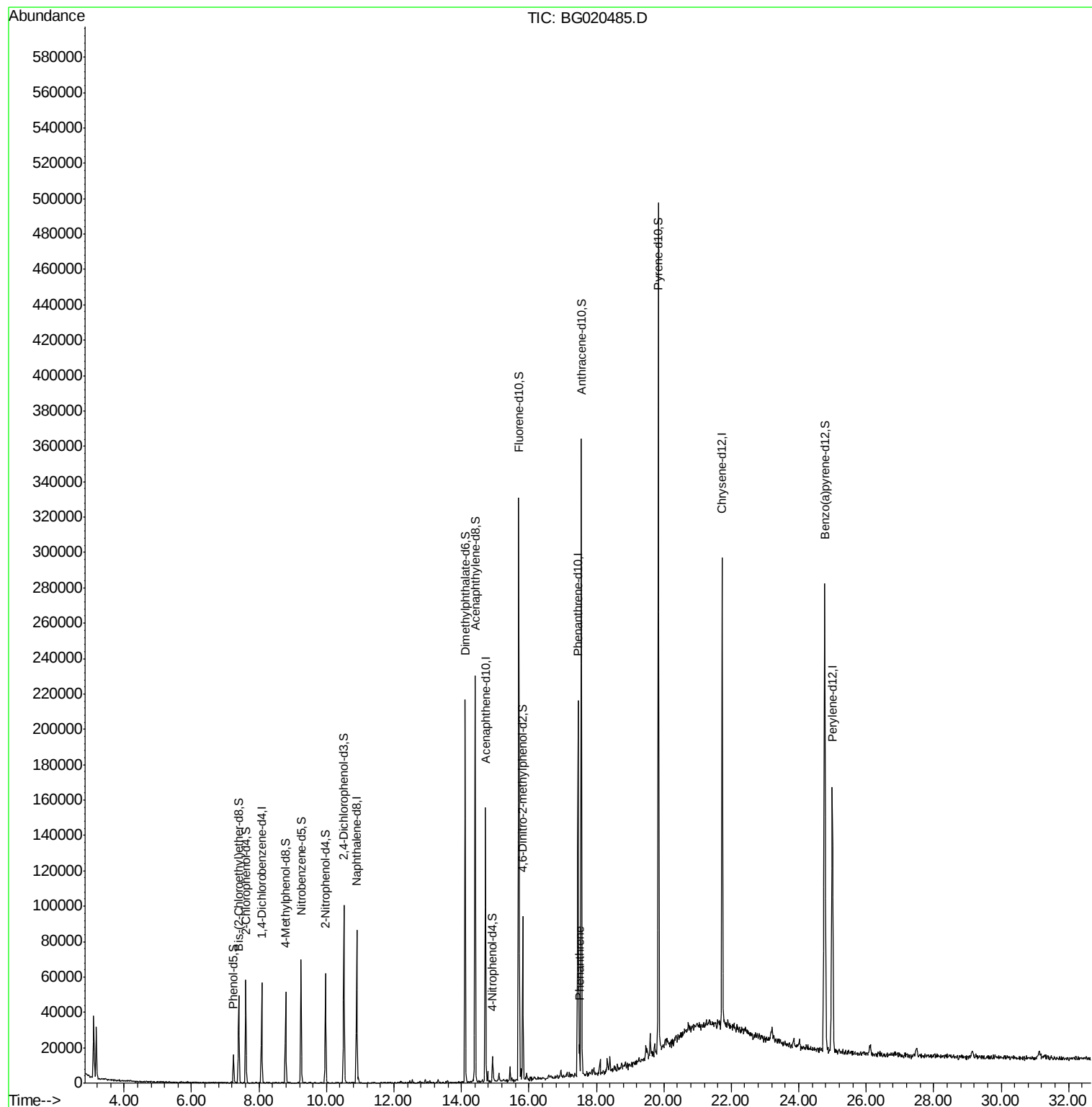
| Target Compounds |       |     |       |            | Qvalue |
|------------------|-------|-----|-------|------------|--------|
| 70) Phenanthrene | 17.50 | 178 | 10633 | 1.42 ng/ul | 96     |

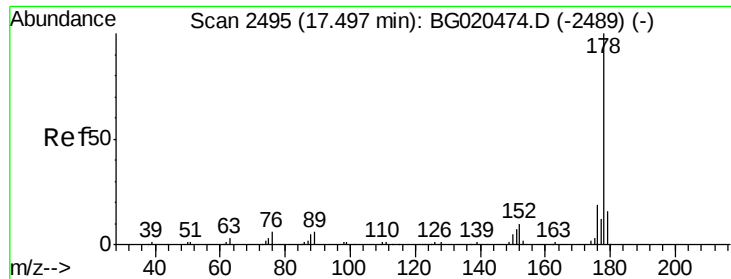
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 1.42 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BG020485.D

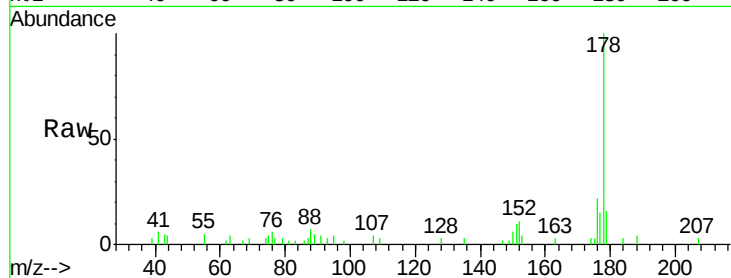
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Tgt Ion:178 Resp: 10633

Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

176 22.1 15.3 22.9

