

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101720\  
 Data File : BG046974.D  
 Acq On : 18 Oct 2020 14:28  
 Operator : CG/JU  
 Sample : L4402-02  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AB5

Quant Time: Oct 19 07:07:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101520MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 19 04:55:35 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 80672    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.88 | 136  | 318308   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.70 | 164  | 211995   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.44 | 188  | 417644   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.71 | 240  | 457864   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.95 | 264  | 448262   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|------|------|----------|------|-------|----------|
| 3) 1,4-Dioxane-d8              | 0.00 | 96   | 0        | 0.00 | ng/uL |          |
| 5) Phenol-d5                   | 0.00 | 99   | 0        | 0.00 | ng/ul |          |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00 | 67   | 0        | 0.00 | ng/ul |          |
| 9) 2-Chlorophenol-d4           | 0.00 | 132  | 0        | 0.00 | ng/ul |          |
| 13) 4-Methylphenol-d8          | 0.00 | 113  | 0        | 0.00 | ng/ul |          |
| 19) Nitrobenzene-d5            | 0.00 | 128  | 0        | 0.00 | ng/ul |          |
| 22) 2-Nitrophenol-d4           | 0.00 | 143  | 0        | 0.00 | ng/ul |          |
| 26) 2,4-Dichlorophenol-d3      | 0.00 | 165  | 0        | 0.00 | ng/ul |          |
| 29) 4-Chloroaniline-d4         | 0.00 | 131  | 0d       | 0.00 | ng/ul |          |
| 44) Dimethylphthalate-d6       | 0.00 | 166  | 0        | 0.00 | ng/ul |          |
| 47) Acenaphthylene-d8          | 0.00 | 160  | 0        | 0.00 | ng/ul |          |
| 52) 4-Nitrophenol-d4           | 0.00 | 143  | 0        | 0.00 | ng/ul |          |
| 58) Fluorene-d10               | 0.00 | 176  | 0        | 0.00 | ng/ul |          |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200  | 0        | 0.00 | ng/ul |          |
| 71) Anthracene-d10             | 0.00 | 188  | 0d       | 0.00 | ng/ul |          |
| 79) Pyrene-d10                 | 0.00 | 212  | 0d       | 0.00 | ng/ul |          |
| 90) Benzo(a)pyrene-d12         | 0.00 | 264  | 0d       | 0.00 | ng/ul |          |

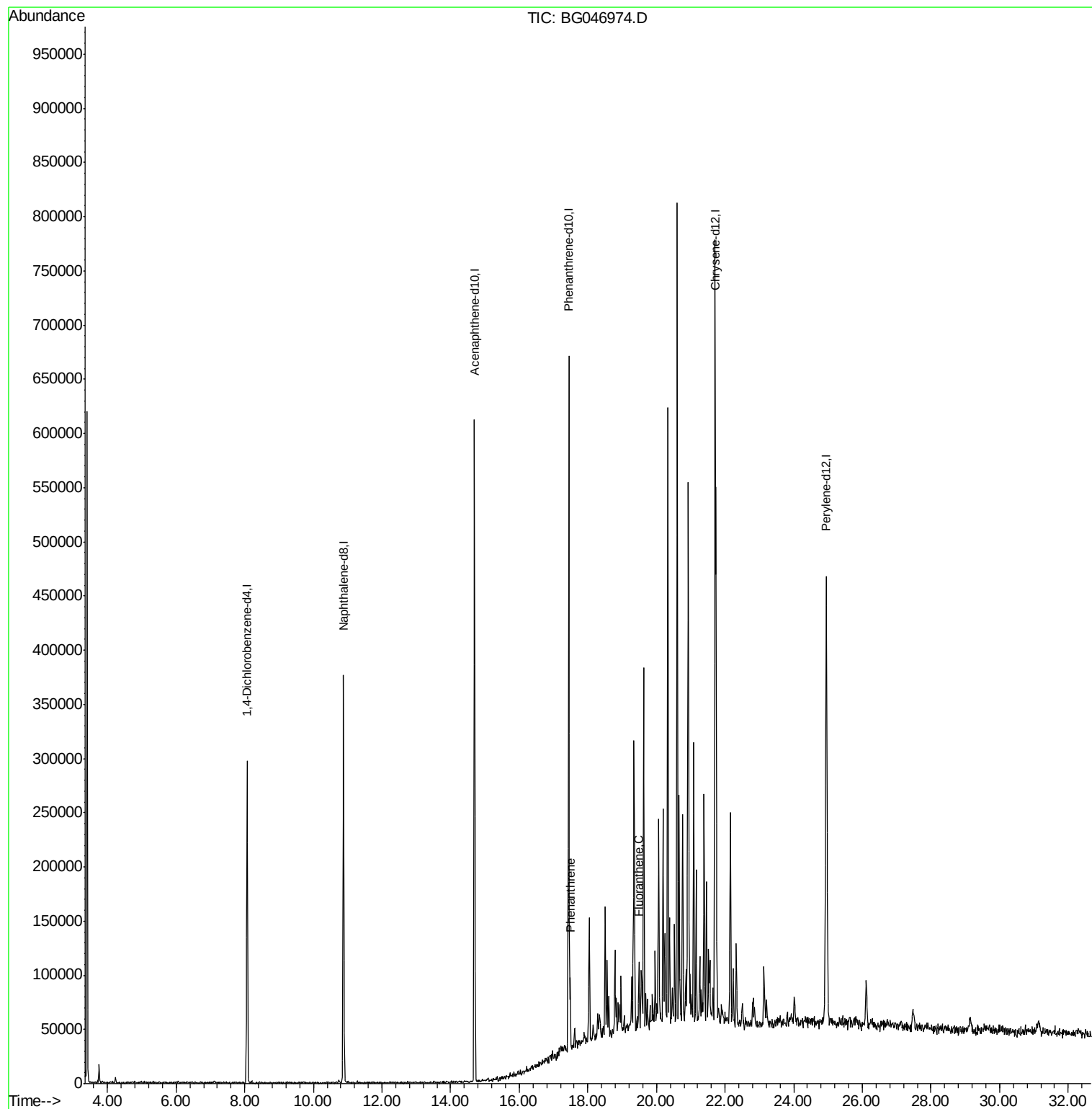
| Target Compounds | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|------------------|-------|------|----------|-------|--------|--------|
| 70) Phenanthrene | 17.48 | 178  | 40110    | 1.678 | ng/ul  | 98     |
| 77) Fluoranthene | 19.49 | 202  | 37563    | 1.287 | ng/ul# | 96     |

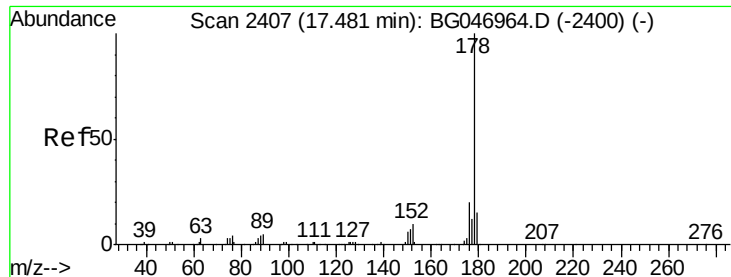
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 1.678 ng/ul

RT: 17.48 min Scan# 2407

Delta R.T. 0.00 min

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Acq: 18 Oct 2020 14:28

Instrument :

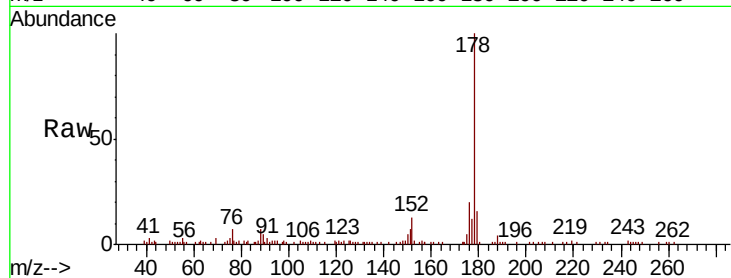
BNA\_G

ClientSampleId :

C0AB5

Tot Ion:178 Resp: 40110

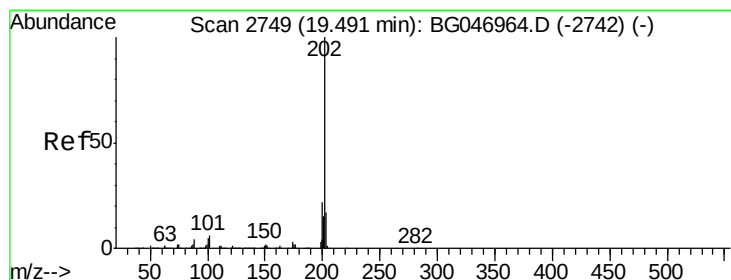
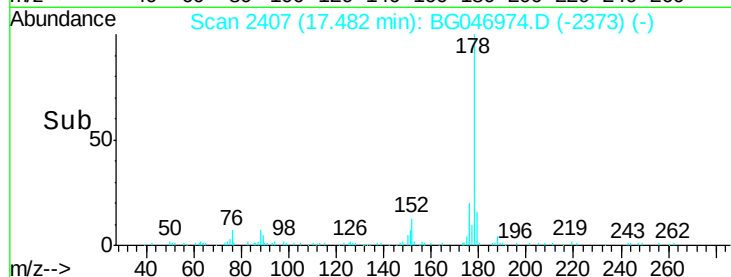
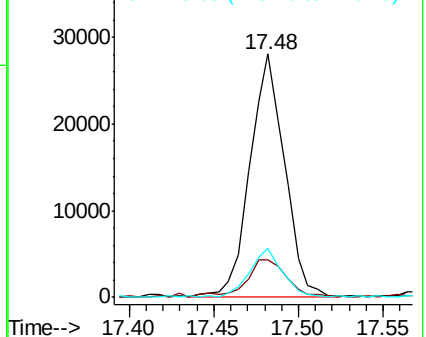
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.6  | 12.5  | 18.7  |
| 176 | 20.0  | 15.0  | 22.4  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 1.287 ng/ul

RT: 19.49 min Scan# 2748

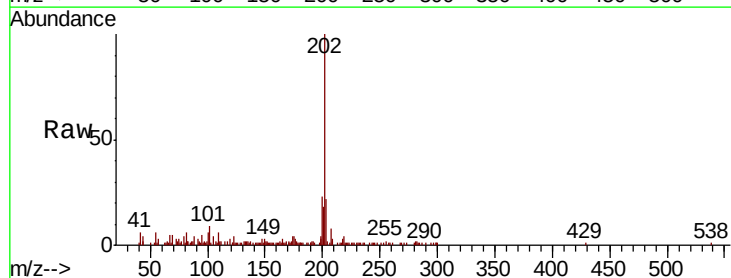
Delta R.T. -0.00 min

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Tgt Ion:202 Resp: 37563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 8.6   | 4.9   | 7.3#  |
| 100 | 5.7   | 4.6   | 6.8   |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

