

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101318\  
 Data File : BM017154.D  
 Acq On : 13 Oct 2018 19:21  
 Operator : MJ/SJ  
 Sample : J5400-07  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE5

Quant Time: Oct 15 04:21:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM100418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 12 23:37:04 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 215025   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 974598   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.33 | 164  | 554470   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.07 | 188  | 1254637  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.27 | 240  | 1028625  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.49 | 264  | 954244   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |      |     |    |      |       |
|--------------------------------|------|-----|----|------|-------|
| 3) 1,4-Dioxane-d8              | 0.00 | 96  | 0d | 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 | 0d | 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 |

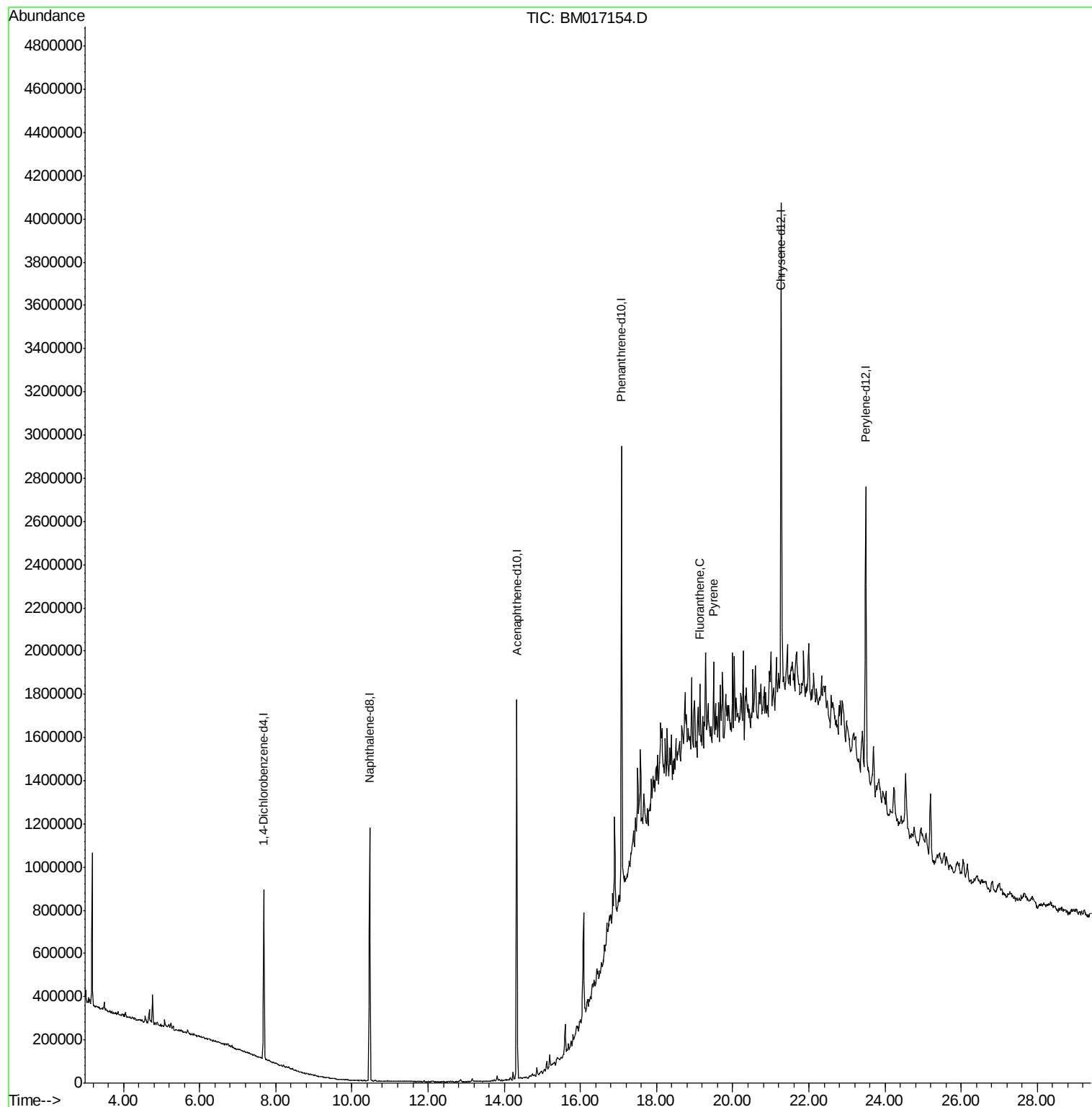
| Target Compounds |       |     |        |             | Qvalue |
|------------------|-------|-----|--------|-------------|--------|
| 77) Fluoranthene | 19.14 | 202 | 108786 | 1.335 ng/ul | 96     |
| 80) Pyrene       | 19.50 | 202 | 61705  | 1.035 ng/ul | 98     |

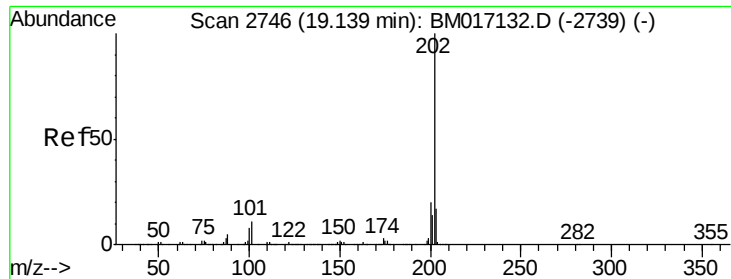
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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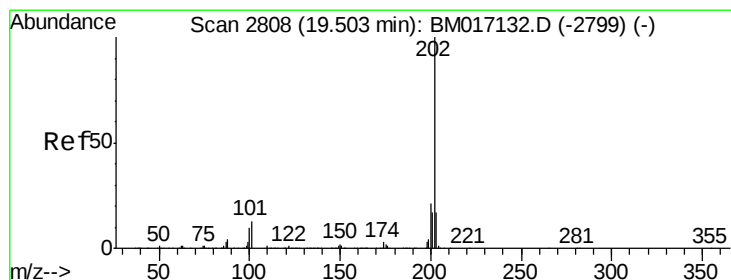
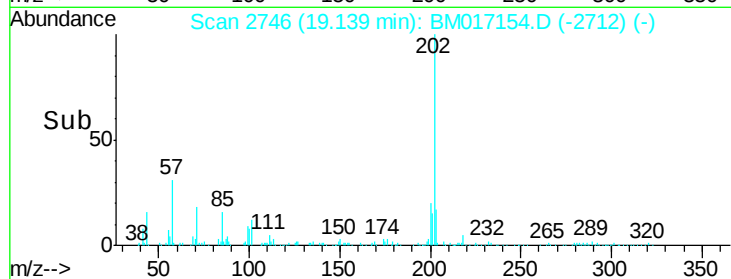
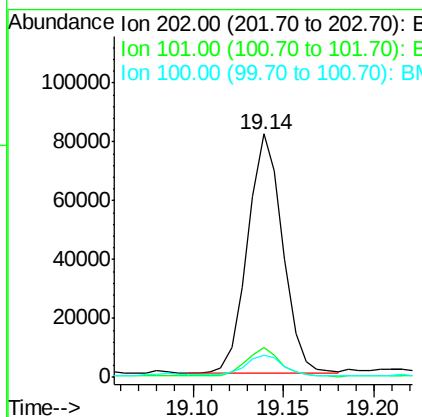
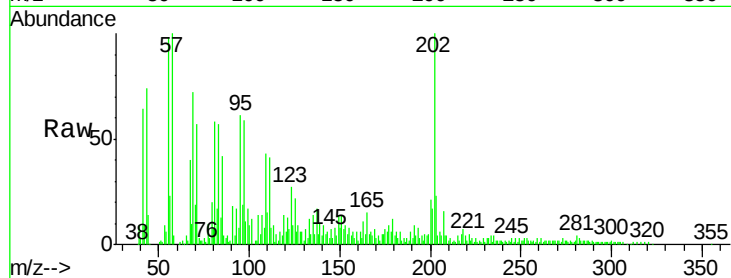




#77  
 Fluoranthene  
 Concen: 1.335 ng/ul  
 RT: 19.14 min Scan# 2746  
 Delta R.T. 0.00 min  
 Lab File: BM017154.D  
 Acq: 13 Oct 2018 19:21

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BE5

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 108786 |       |       |
| 101     | 12.4  |        | 8.3   | 12.5  |
| 100     | 9.0   |        | 6.6   | 9.8   |



#80  
 Pyrene  
 Concen: 1.035 ng/ul  
 RT: 19.50 min Scan# 2808  
 Delta R.T. 0.00 min  
 Lab File: BM017154.D  
 Acq: 13 Oct 2018 19:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 61705 |       |       |
| 101     | 14.0  |       | 10.8  | 16.2  |
| 100     | 12.5  |       | 8.9   | 13.3  |

