

Data Path : U:\HPCHEM1\BNA M\DATA\BM020218\  
 Data File : BM014146.D  
 Acq On : 03 Feb 2018 10:40  
 Operator : SJ/JU  
 Sample : J1317-15DL 5X  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6D09DL

Manual Integrations  
 APPROVED

Sohil  
 2/5/2018 3:58:06 PM

Quant Time: Feb 05 13:13:37 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Feb 03 04:17:00 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 73077    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 300265   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 191107   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 458894   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.17 | 240  | 610966   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.34 | 264  | 622478   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 439    | 0.28 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.76  | 99  | 16978m | 3.09 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 12579m | 3.80 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 15333  | 3.53 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 8041   | 1.75 | ng/ul | 0.03 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 7988m  | 3.69 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 7594m  | 3.17 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 15054m | 2.98 | ng/ul | 0.06 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 7951m  | 1.82 | ng/ul | 0.06 |
| 43) Dimethylphthalate-d6       | 13.63 | 166 | 60226  | 3.80 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 72511  | 3.77 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 641    | 0.29 | ng/ul | 0.07 |
| 57) Fluorene-d10               | 15.21 | 176 | 52819  | 3.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 3559   | 1.26 | ng/ul | 0.03 |
| 70) Anthracene-d10             | 17.06 | 188 | 82132m | 3.69 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.37 | 212 | 111252 | 3.78 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.21 | 264 | 121964 | 3.99 | ng/ul | 0.00 |

## Target Compounds

|                               |       |     |        | Ovalue |           |
|-------------------------------|-------|-----|--------|--------|-----------|
| 55) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 5253   | 1.248  | ng/ul# 80 |
| 68) Pentachlorophenol         | 16.62 | 266 | 192997 | 64.231 | ng/ul 91  |
| 74) Fluoranthene              | 19.04 | 202 | 38705  | 1.206  | ng/ul 99  |
| 77) Pyrene                    | 19.40 | 202 | 43068  | 1.181  | ng/ul# 90 |

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

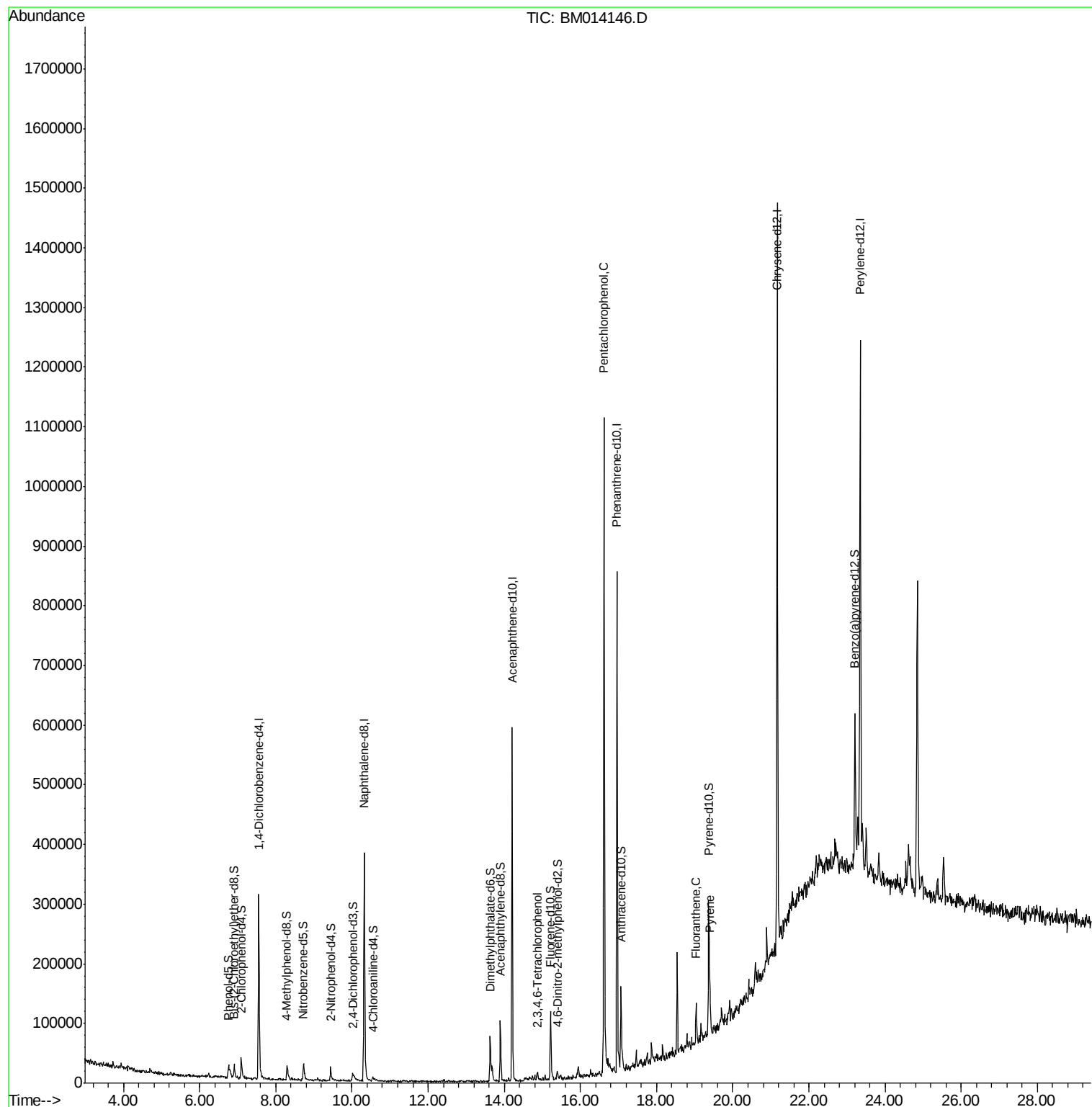
Data Path : U:\HPCHEM1\BNA M\DATA\BM020218\  
Data File : BM014146.D  
Acq On : 03 Feb 2018 10:40  
Operator : SJ/JU  
Sample : J1317-15DL 5X  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

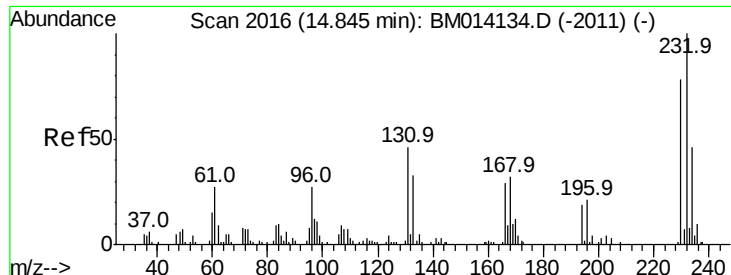
Instrument :  
BNA\_M  
ClientSampleId :  
F6D09DL

Manual Integrations  
APPROVED

Sohil  
2/5/2018 3:58:06 PM

Quant Time: Feb 05 13:13:37 2018  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Feb 03 04:17:00 2018  
Response via : Initial Calibration





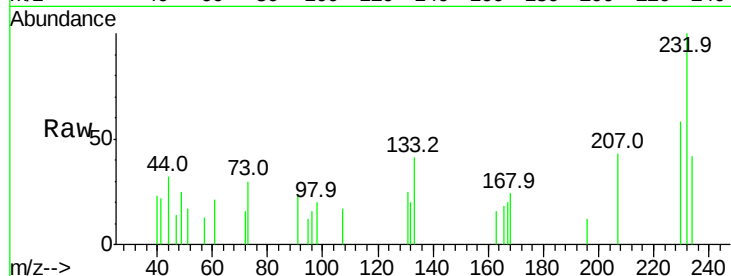
#55  
 2,3,4,6-Tetrachlorophenol  
 Concen: 1.248 ng/ul  
 RT: 14.87 min Scan# 2020  
 Delta R.T. 0.02 min  
 Lab File: BM014146.D  
 Acq: 03 Feb 2018 10:40

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6D09DL

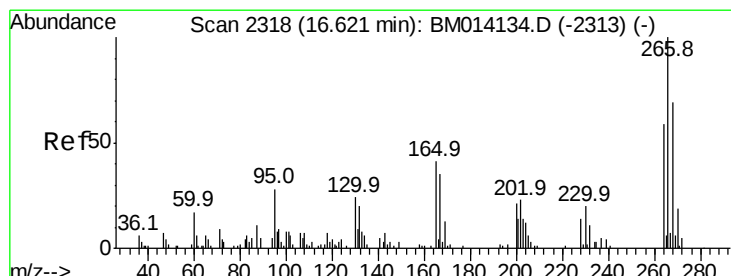
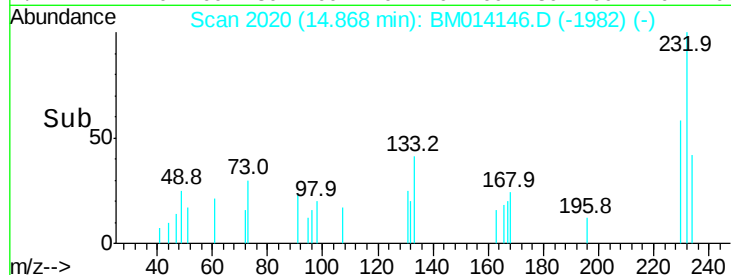
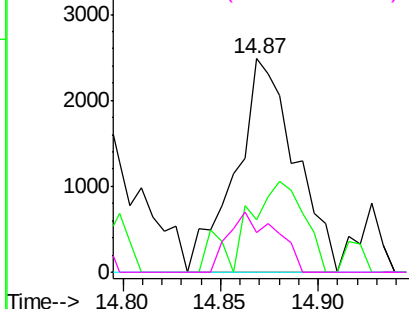
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 24.6  | 29.0  | 43.4# |
| 130     | 24.6  | 2.0   | 3.0#  |
| 166     | 18.4  | 21.4  | 32.2# |

Manual Integrations  
 APPROVED

Sohil  
 2/5/2018 3:58:06 PM

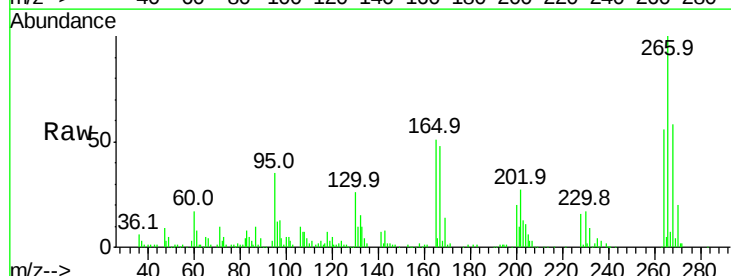


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

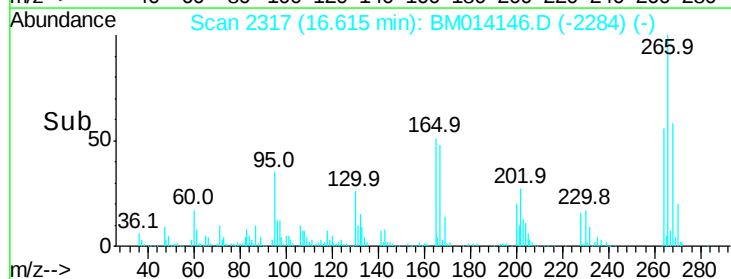
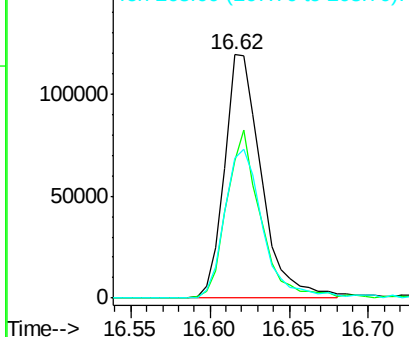


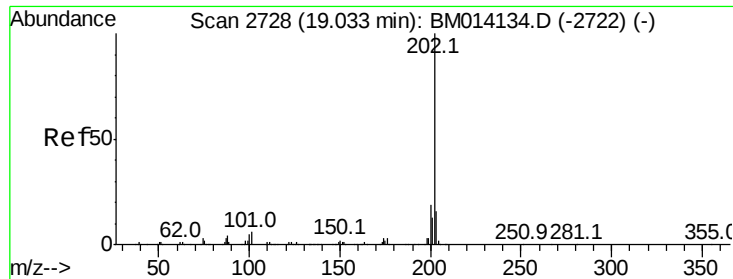
#68  
 Pentachlorophenol  
 Concen: 64.231 ng/ul  
 RT: 16.62 min Scan# 2317  
 Delta R.T. -0.01 min  
 Lab File: BM014146.D  
 Acq: 03 Feb 2018 10:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 56.4  | 49.3  | 73.9  |
| 268     | 57.6  | 52.6  | 78.8  |



Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E





#74

Fluoranthene

Concen: 1.206 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM014146.D

Acq: 03 Feb 2018 10:40

Instrument :

BNA\_M

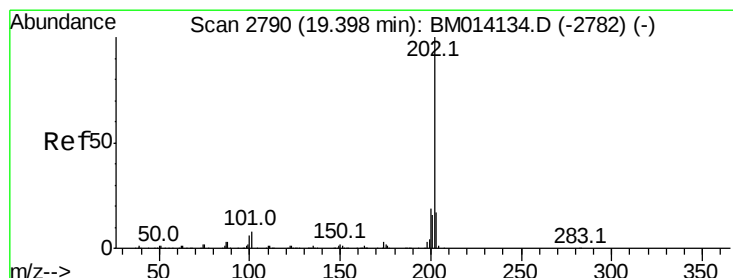
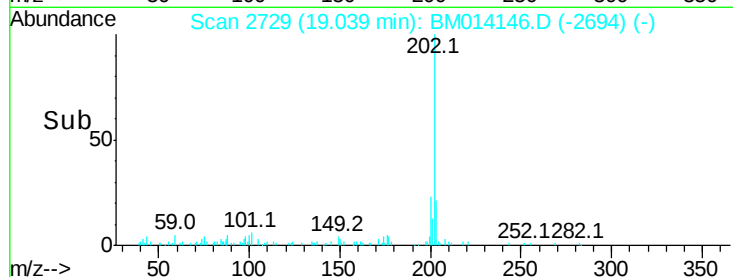
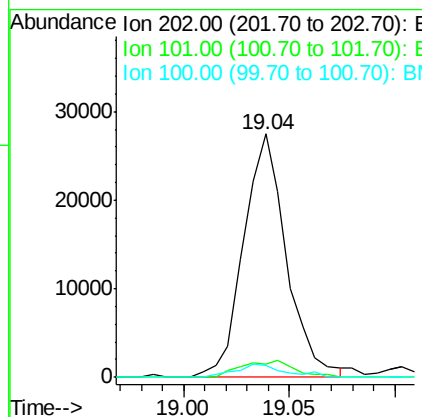
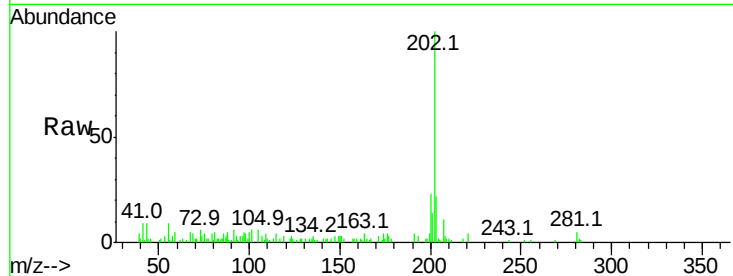
ClientSampleId :

F6D09DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 5.6   | 4.6        | 7.0   |
| 100     | 4.9   | 3.4        | 5.2   |

Manual Integrations  
APPROVED

Sohil  
2/5/2018 3:58:06 PM



#77

Pyrene

Concen: 1.181 ng/ul

RT: 19.40 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BM014146.D

Acq: 03 Feb 2018 10:40

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 8.1   | 5.1        | 7.7#  |
| 100     | 11.1  | 4.9        | 7.3#  |

