

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\  
 Data File : BM008280.D  
 Acq On : 13 Dec 2016 19:37  
 Operator : UM/SJ  
 Sample : H5973-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B17

Manual Integrations  
 APPROVED

sohil  
 12/14/2016 6:14:21 PM

Quant Time: Dec 14 02:26:01 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 14 02:14:07 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 127624   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 488475   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 323506   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 665506   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.26 | 240  | 856269   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.49 | 264  | 883792   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.24  | 96   | 3576     | 1.32  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.87  | 99   | 57265    | 5.88  | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67   | 165844   | 29.13 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.22  | 132  | 175890   | 23.85 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.39  | 113  | 109219   | 14.31 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.83  | 128  | 111793   | 31.67 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.55  | 143  | 120950   | 30.57 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165  | 198234   | 27.33 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.63 | 131  | 12244    | 1.49  | ng/ul | 0.02     |
| 43) Dimethylphthalate-d6       | 13.73 | 166  | 706990   | 33.26 | ng/ul | 0.00     |
| 46) Acenaphthylene-d8          | 14.00 | 160  | 840720   | 33.05 | ng/ul | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.60 | 143  | 19221m   | 6.01  | ng/ul | 0.04     |
| 57) Fluorene-d10               | 15.32 | 176  | 598014   | 32.31 | ng/ul | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200  | 111088   | 28.58 | ng/ul | 0.00     |
| 70) Anthracene-d10             | 17.17 | 188  | 961352   | 33.04 | ng/ul | 0.00     |
| 78) Pyrene-d10                 | 19.47 | 212  | 1157381  | 34.73 | ng/ul | 0.00     |
| 89) Benzo(a)pyrene-d12         | 23.35 | 264  | 1216079  | 32.74 | ng/ul | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 20) Nitrobenzene               | 8.87  | 77   | 443671   | 48.13 | ng/ul  | 90     |
| 23) 2-Nitrophenol              | 9.58  | 139  | 9982     | 2.46  | ng/ul# | 87     |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.11 | 216  | 66004    | 6.63  | ng/uL  | 94     |

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

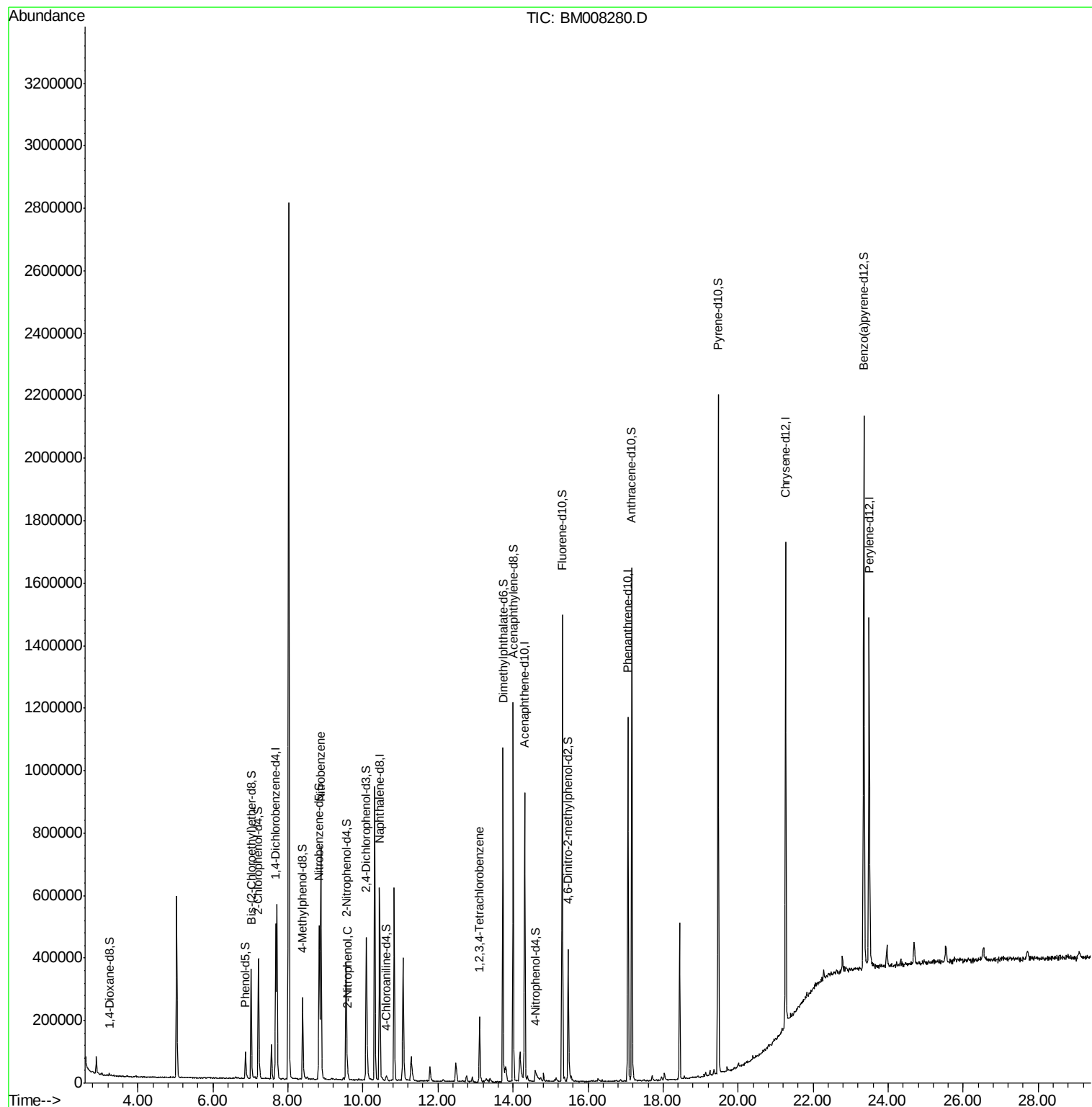
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\  
Data File : BM008280.D  
Acq On : 13 Dec 2016 19:37  
Operator : UM/SJ  
Sample : H5973-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

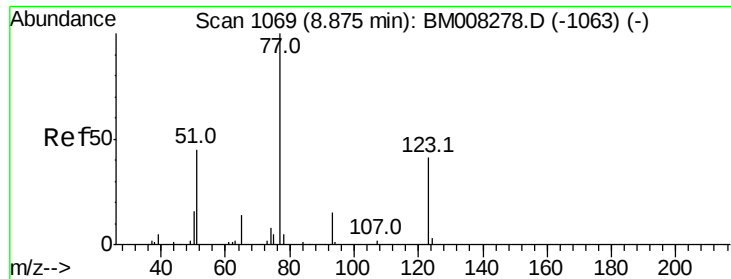
Instrument :  
BNA\_M  
ClientSampleId :  
C0B17

Manual Integrations  
APPROVED

sohil  
12/14/2016 6:14:21 PM

Quant Time: Dec 14 02:26:01 2016  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 14 02:14:07 2016  
Response via : Initial Calibration





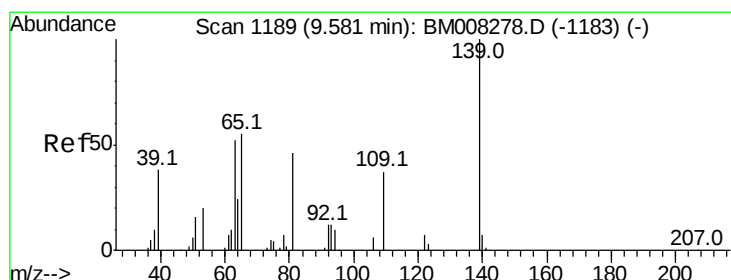
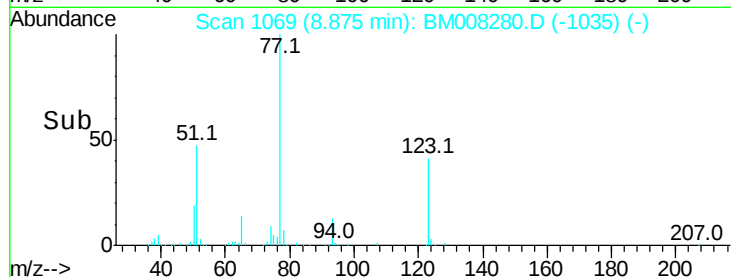
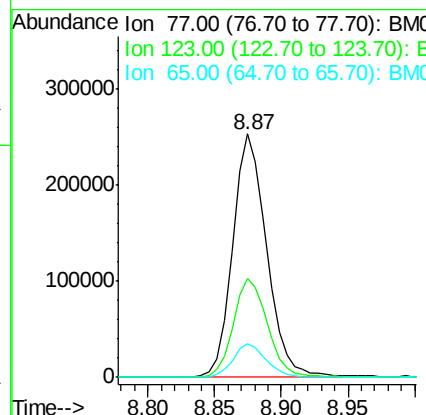
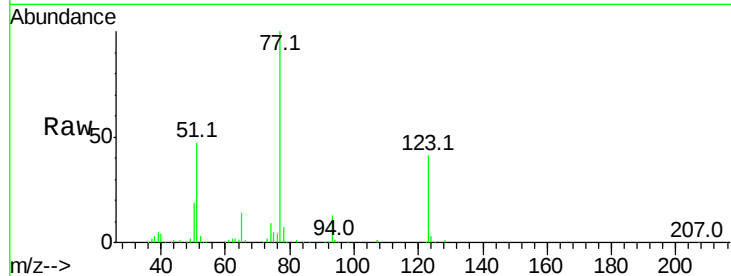
#20  
Nitrobenzene  
Concen: 48.13 ng/ul  
RT: 8.87 min Scan# 1069  
Delta R.T. 0.00 min  
Lab File: BM008280.D  
Acq: 13 Dec 2016 19:37

Instrument :  
BNA\_M  
ClientSampleId :  
C0B17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 40.6  | 39.0  | 58.4  |
| 65      | 13.8  | 10.4  | 15.6  |

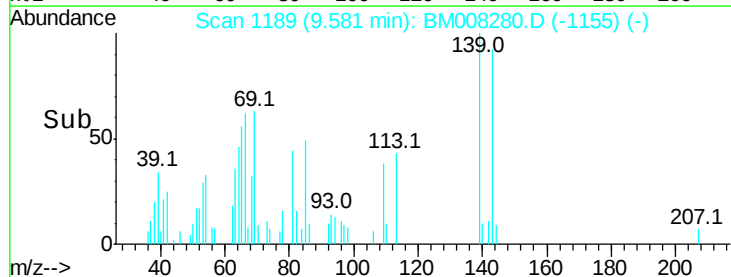
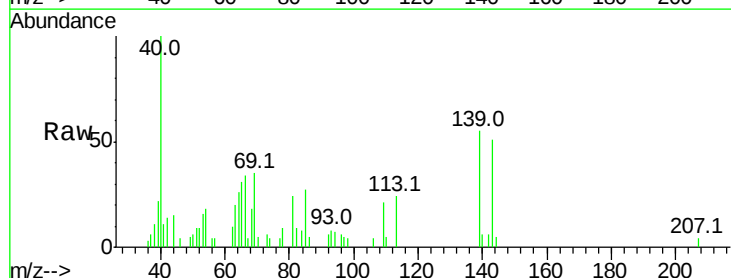
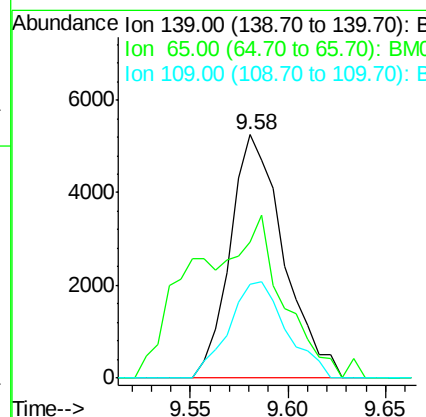
Manual Integrations  
APPROVED

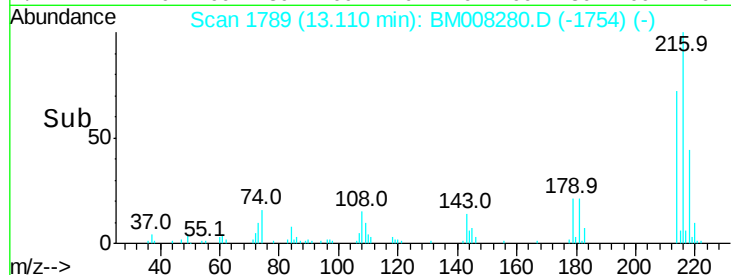
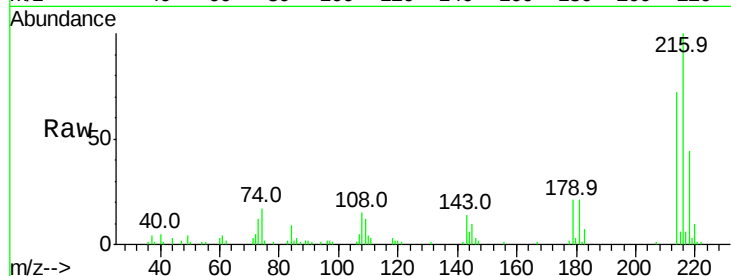
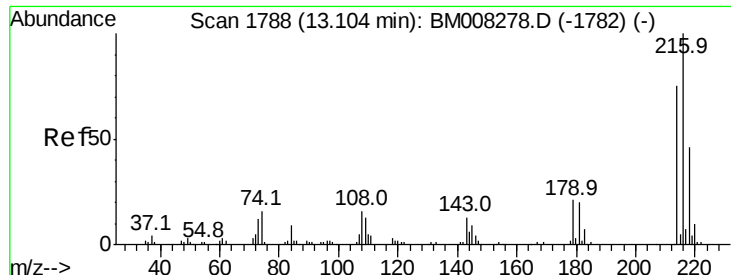
sohil  
12/14/2016 6:14:21 PM



#23  
2-Nitrophenol  
Concen: 2.46 ng/ul  
RT: 9.58 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: BM008280.D  
Acq: 13 Dec 2016 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 65      | 56.0  | 36.3  | 54.5# |
| 109     | 38.3  | 26.4  | 39.6  |





#72  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 6.63 ng/uL  
 RT: 13.11 min Scan# 1789  
 Delta R.T. 0.01 min  
 Lab File: BM008280.D  
 Acq: 13 Dec 2016 19:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B17

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 216     | 100   |            |            |
| 214     | 72.4  | 62.5       | 93.7       |
| 218     | 44.0  | 38.4       | 57.6       |

Manual Integrations  
 APPROVED

sohil  
 12/14/2016 6:14:21 PM

