

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM072016\  
 Data File : BM006580.D  
 Acq On : 21 Jul 2016 06:41  
 Operator : UM/SJ  
 Sample : H4076-06  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9YP1

## Manual Integrations

sohil  
 7/21/2016 1:52:59 PM

Quant Time: Jul 21 07:21:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 21 01:09:30 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 178010   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.39 | 136  | 786828   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.26 | 164  | 442214   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.02 | 188  | 990674   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.21 | 240  | 1158485  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.41 | 264  | 1203635  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.13  | 96  | 5498   | 1.25  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.79  | 99  | 206286 | 13.62 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 154613 | 16.48 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.15  | 132 | 174204 | 14.40 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.32  | 113 | 91287  | 7.77  | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.76  | 128 | 90519  | 15.20 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.49  | 143 | 97258  | 15.36 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 163249 | 13.64 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.53 | 131 | 189025 | 14.34 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.67 | 166 | 552904 | 15.95 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.95 | 160 | 705002 | 15.93 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.49 | 143 | 63849m | 10.60 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.26 | 176 | 501553 | 16.17 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 50900  | 9.90  | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.11 | 188 | 753051 | 16.01 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.42 | 212 | 897571 | 17.00 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.27 | 264 | 918535 | 16.59 | ng/ul | 0.00 |

| Target Compounds         |       |     |       |      |       | Qvalue |
|--------------------------|-------|-----|-------|------|-------|--------|
| 28) Fluoranthene         | 19.08 | 202 | 88123 | 1.35 | ng/ul | 98     |
| 31) Pyrene               | 19.44 | 202 | 84948 | 1.21 | ng/ul | 97     |
| 33) Chrysene             | 21.24 | 228 | 66570 | 1.03 | ng/ul | 97     |
| 35) Benzo(b)fluoranthene | 22.75 | 252 | 99121 | 1.37 | ng/ul | 98     |

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

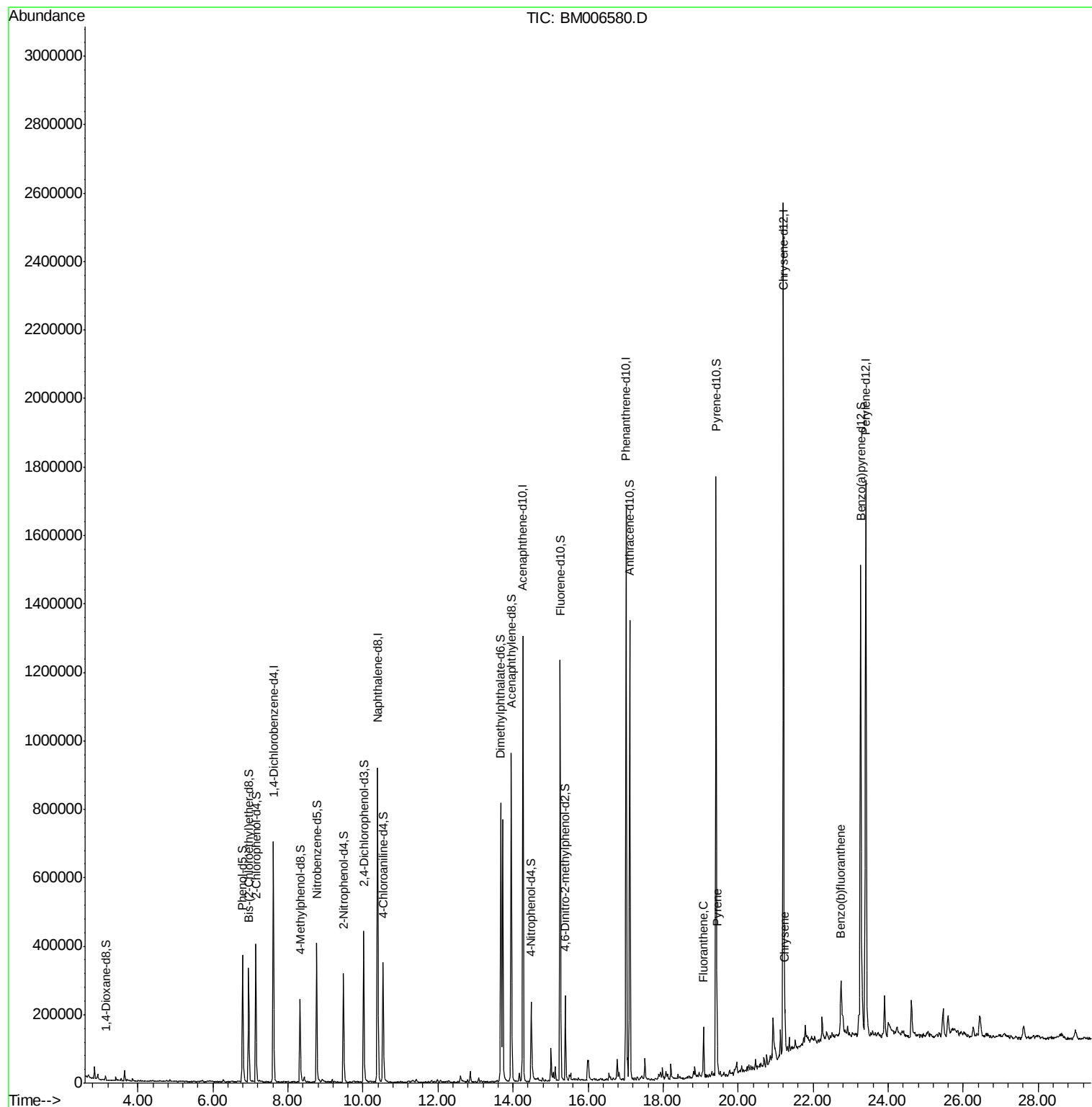
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM072016\  
Data File : BM006580.D  
Acq On : 21 Jul 2016 06:41  
Operator : UM/SJ  
Sample : H4076-06  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

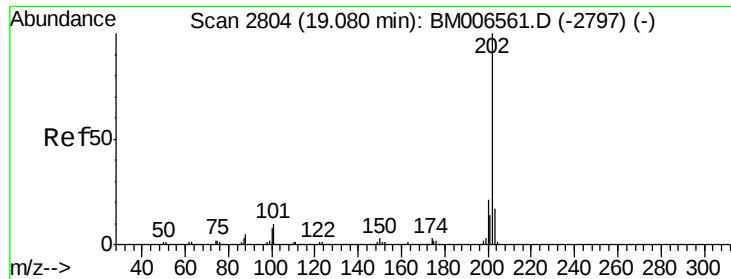
Instrument :  
BNA\_M  
ClientSampleId :  
D9YP1

## Manual Integrations

sohil  
7/21/2016 1:52:59 PM

Quant Time: Jul 21 07:21:15 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 21 01:09:30 2016  
Response via : Initial Calibration





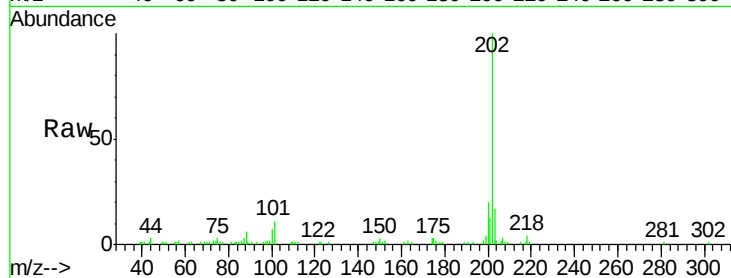
#28  
Fluoranthene  
Concen: 1.35 ng/ul  
RT: 19.08 min Scan# 2804  
Delta R.T. -0.00 min  
Lab File: BM006580.D  
Acq: 21 Jul 2016 06:41

Instrument :  
BNA\_M  
ClientSampleId :  
D9YP1

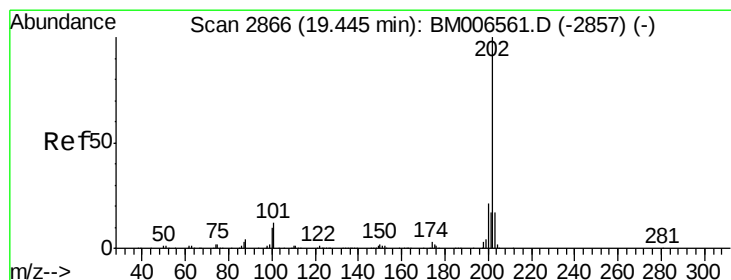
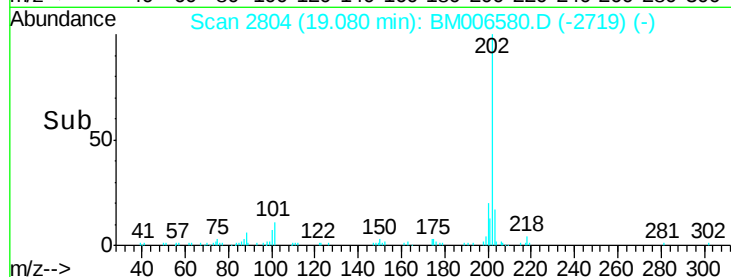
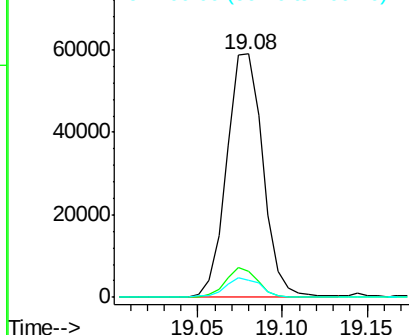
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 88123 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.9  | 8.9   | 13.3  |
| 100       | 7.3   | 7.0   | 10.4  |

Manual Integrations

sohil  
7/21/2016 1:52:59 PM



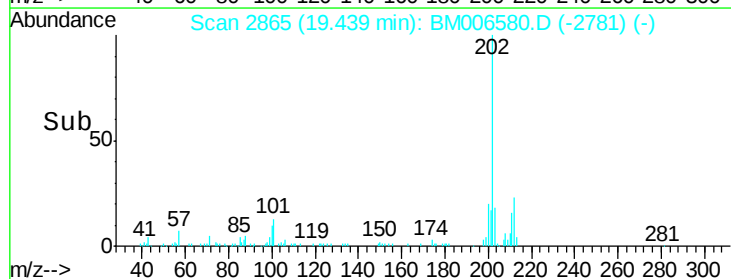
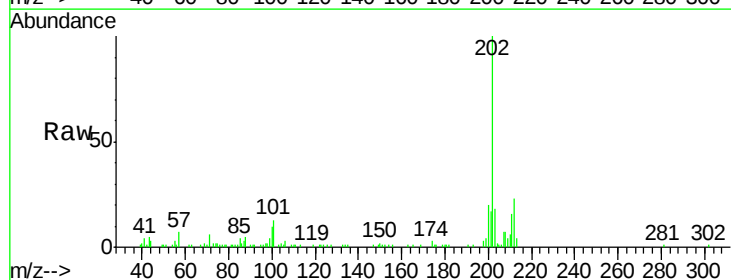
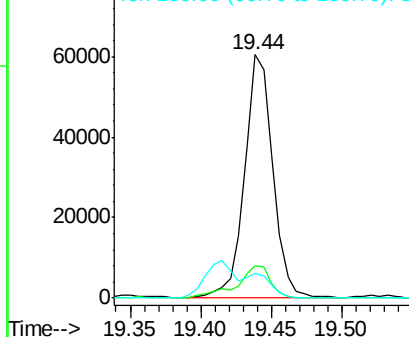
Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

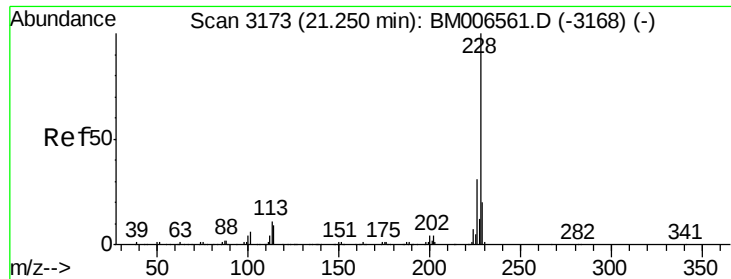


#31  
Pyrene  
Concen: 1.21 ng/ul  
RT: 19.44 min Scan# 2865  
Delta R.T. -0.01 min  
Lab File: BM006580.D  
Acq: 21 Jul 2016 06:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 84948 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.2  | 9.8   | 14.8  |
| 100       | 10.1  | 9.3   | 13.9  |

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





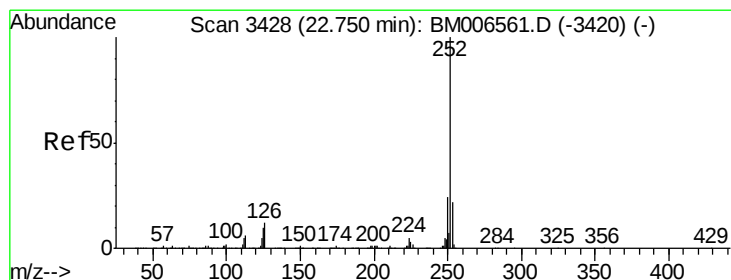
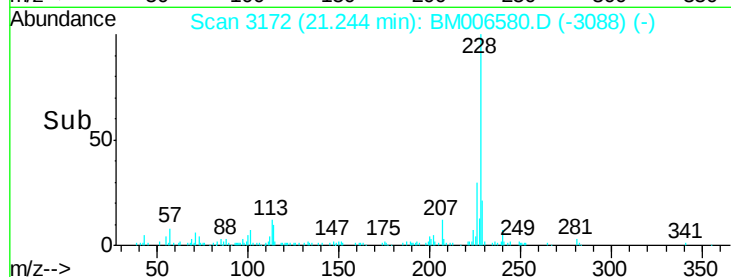
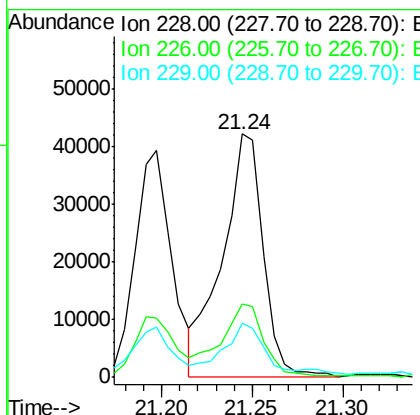
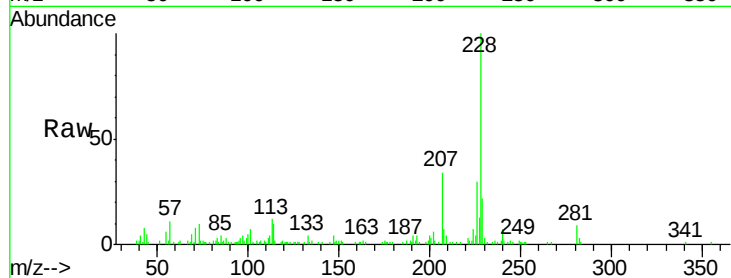
#33  
Chrysene  
Concen: 1.03 ng/ul  
RT: 21.24 min Scan# 3172  
Delta R.T. -0.01 min  
Lab File: BM006580.D  
Acq: 21 Jul 2016 06:41

Instrument :  
BNA\_M  
ClientSampleId :  
D9YP1

Tgt Ion: 228 Resp: 66570  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.4 35.2  
229 22.2 16.2 24.2

Manual Integrations

sohil  
7/21/2016 1:52:59 PM



#35  
Benzo(b)fluoranthene  
Concen: 1.37 ng/ul  
RT: 22.75 min Scan# 3428  
Delta R.T. -0.00 min  
Lab File: BM006580.D  
Acq: 21 Jul 2016 06:41

Tgt Ion: 252 Resp: 99121  
Ion Ratio Lower Upper  
252 100  
253 21.1 18.1 27.1  
125 9.6 7.6 11.4

