

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122617\  
 Data File : BM013528.D  
 Acq On : 26 Dec 2017 11:17  
 Operator : SJ/JU  
 Sample : PB105321BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK21

Manual Integrations  
 APPROVED

Sohil  
 12/27/2017 4:18:56 PM

Quant Time: Dec 27 02:53:53 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 27 02:01:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 175090   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 732880   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 417924   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 814328   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 668536   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.47 | 264  | 583743   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 26484   | 7.49  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 470730  | 31.07 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 288075  | 33.34 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 386042  | 32.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.37  | 113 | 408076  | 31.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 205950  | 35.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 216819  | 34.85 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 405074  | 31.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 533477  | 45.28 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 1259584 | 33.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 1597256 | 34.80 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.53 | 143 | 115861  | 17.93 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 1040494 | 32.53 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 102260  | 19.96 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 1401094 | 34.35 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1360229 | 40.84 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.33 | 264 | 1019380 | 34.28 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 81) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 33313  | 1.393 ng/ul# | 90     |
| 89) Indeno(1,2,3-cd)pyrene     | 25.72 | 276 | 72860  | 2.077 ng/ul# | 90     |
| 90) Dibenzo(a,h)anthracene     | 25.74 | 278 | 71340m | 2.389 ng/ul  |        |
| 91) Benzo(g,h,i)perylene       | 26.40 | 276 | 76931m | 2.781 ng/ul  |        |

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

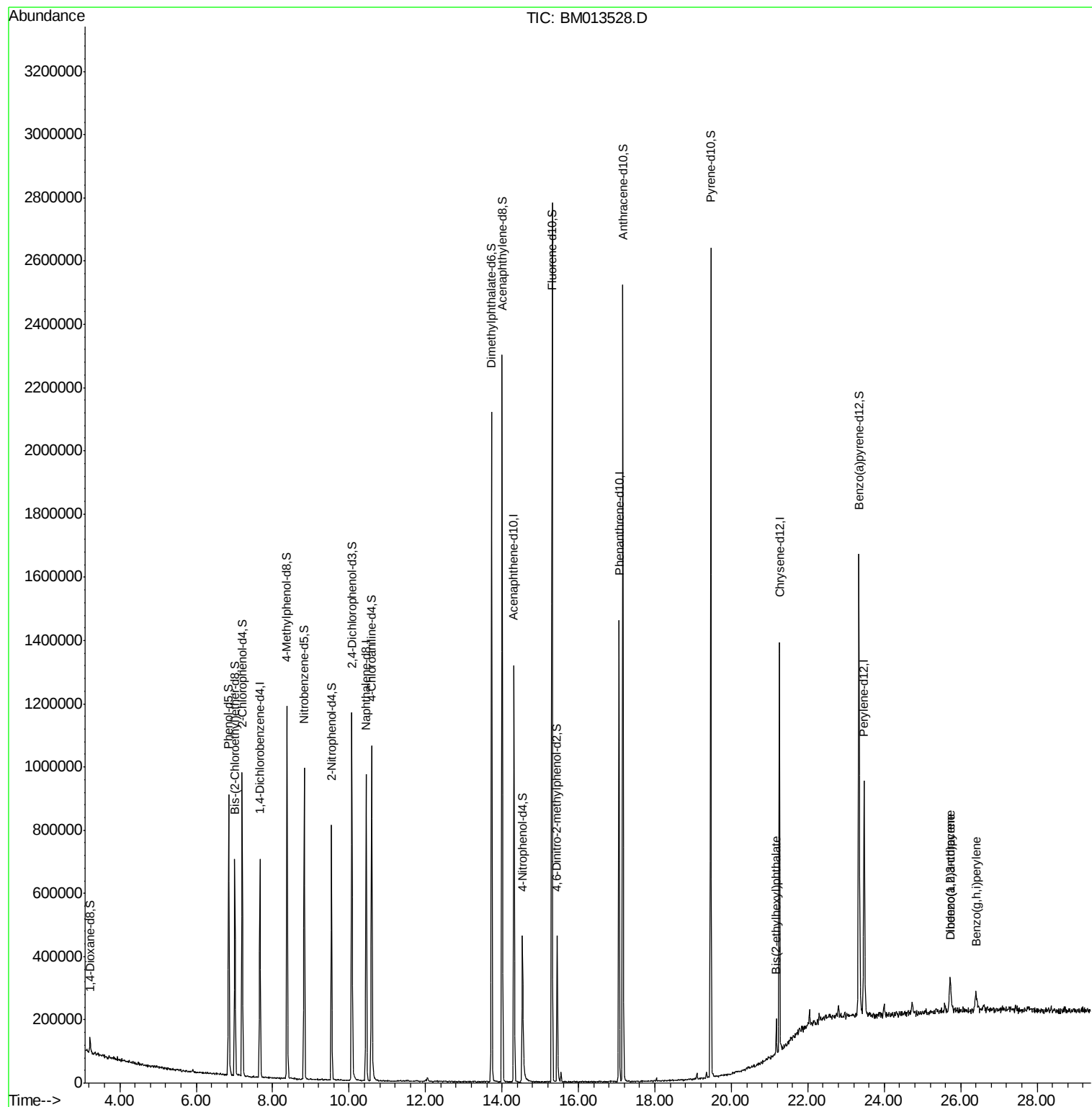
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122617\  
Data File : BM013528.D  
Acq On : 26 Dec 2017 11:17  
Operator : SJ/JU  
Sample : PB105321BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

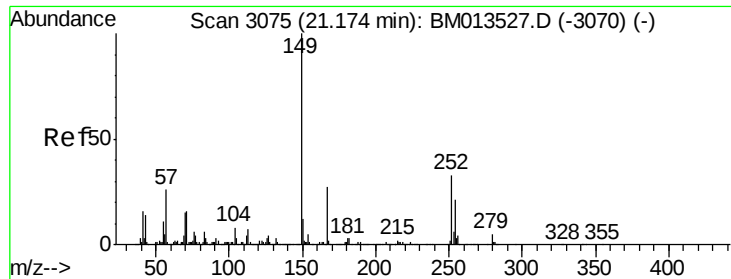
Instrument :  
BNA\_M  
ClientSampleID :  
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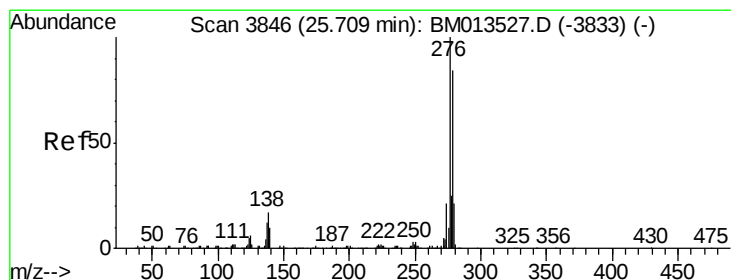
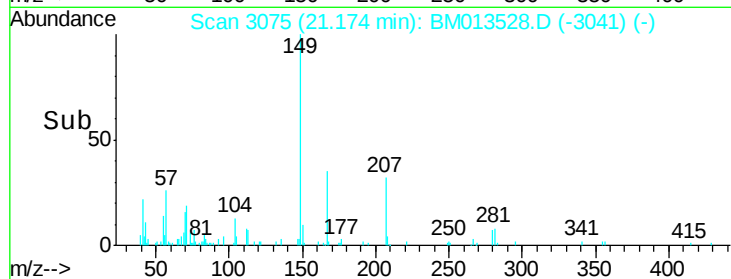
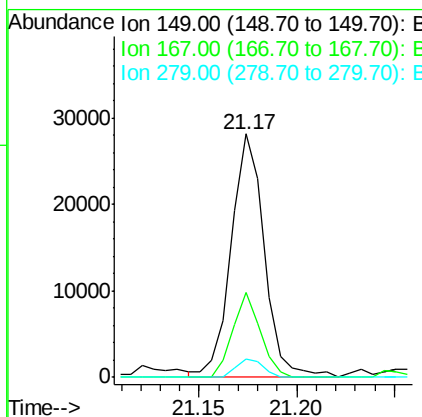
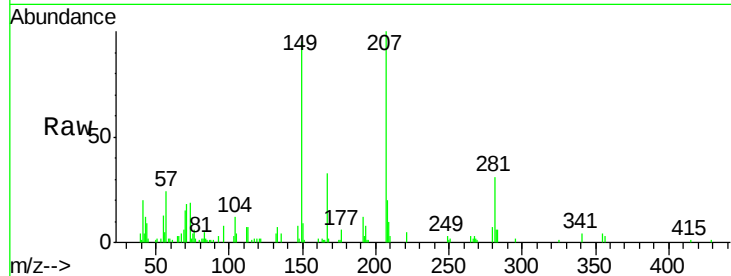
#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.393 ng/ul  
 RT: 21.17 min Scan# 3075  
 Delta R.T. 0.00 min  
 Lab File: BM013528.D  
 Acq: 26 Dec 2017 11:17

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 33313 |       |       |
| 167     | 34.6  | 22.8  | 34.2# |       |
| 279     | 7.3   | 4.9   | 7.3   |       |

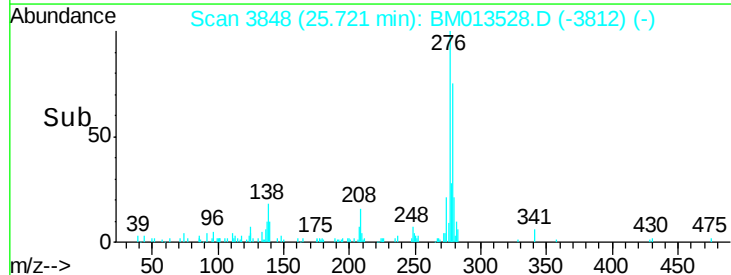
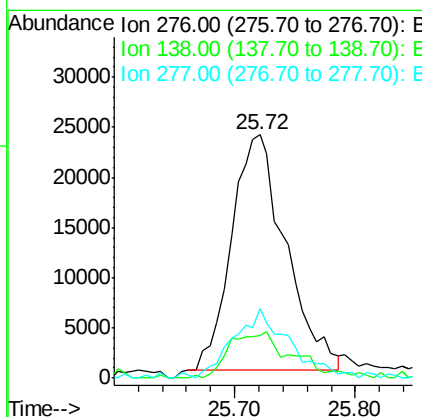
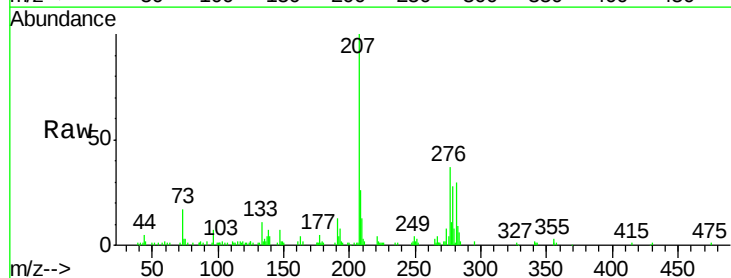
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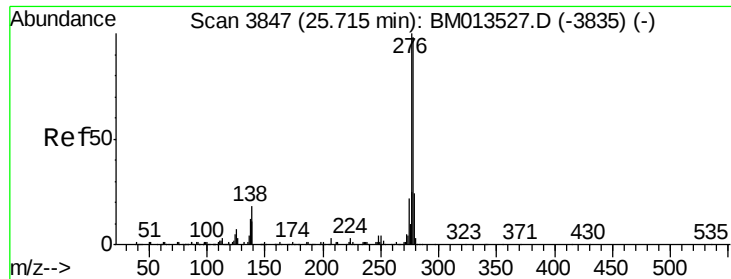
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#89  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.077 ng/ul  
 RT: 25.72 min Scan# 3848  
 Delta R.T. 0.01 min  
 Lab File: BM013528.D  
 Acq: 26 Dec 2017 11:17

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 276     | 100   | 72860 |       |       |
| 138     | 17.8  | 9.3   | 13.9# |       |
| 277     | 28.4  | 19.9  | 29.9  |       |





#90

Dibenzo(a,h)anthracene

Concen: 2.389 ng/ul m

RT: 25.74 min Scan# 3851

Delta R.T. 0.02 min

Lab File: BM013528.D

Acq: 26 Dec 2017 11:17

Instrument :

BNA\_M

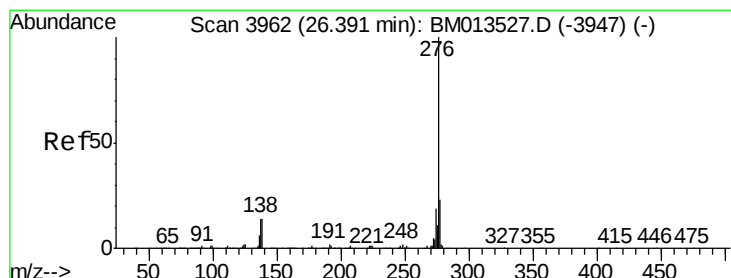
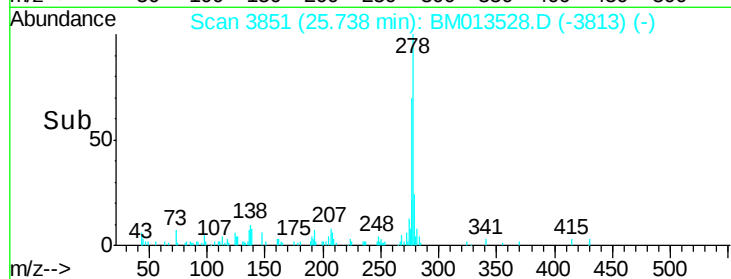
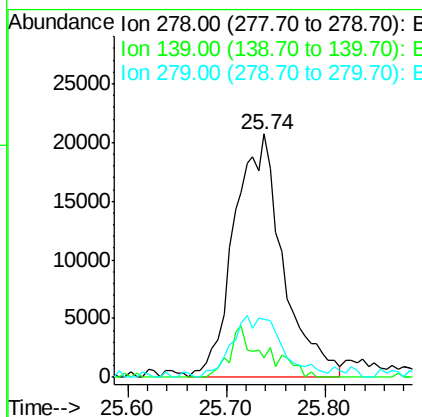
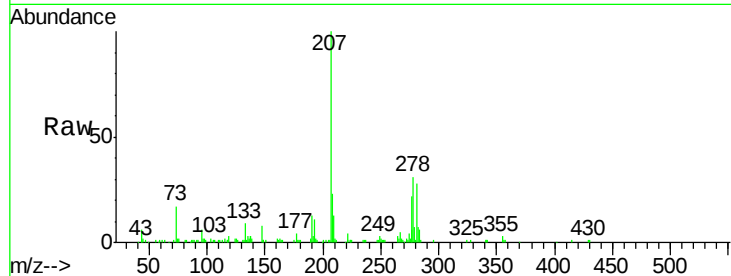
ClientSampled :

SBLK21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 71340 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 8.0   | 5.8   | 8.8   |
| 279       | 23.8  | 18.6  | 27.8  |

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#91

Benzo(g,h,i)perylene

Concen: 2.781 ng/ul m

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013528.D

Acq: 26 Dec 2017 11:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 76931 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 16.8  | 8.5   | 12.7# |
| 277       | 25.4  | 18.6  | 28.0  |

