

Data Path : Z:\HPCHEM1\BNA G\Data\BG122215\  
 Data File : BG020423.D  
 Acq On : 23 Dec 2015 1:32  
 Operator : UM/SJ  
 Sample : G4866-12  
 Misc : MED LEVEL  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 23 07:48:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 07:35:59 2015  
 Response via : Initial Calibration

Instrument :  
 BNA G  
 ClientSampleId :  
 E43M4

Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 17123    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.90 | 136  | 79446    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.72 | 164  | 59659    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 142545   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.75 | 240  | 178542   | 20.00 | ng/ul | 0.01     |
| 86) Perylene-d12          | 25.02 | 264  | 176739   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.45  | 96  | 1015   | 3.27  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.24  | 99  | 28625  | 18.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 18291  | 20.30 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.61  | 132 | 23057  | 21.00 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.79  | 113 | 6655   | 5.15  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.25  | 128 | 13795  | 22.28 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.98  | 143 | 16788  | 24.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.52 | 165 | 27565  | 19.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.04 | 131 | 7445   | 4.75  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.12 | 166 | 108726 | 22.53 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.41 | 160 | 124267 | 22.13 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.92 | 143 | 9923   | 11.47 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.71 | 176 | 95293  | 21.77 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 14421  | 17.07 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.57 | 188 | 143732 | 21.88 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.85 | 212 | 173297 | 20.83 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.80 | 264 | 197749 | 22.43 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |         |               | Ovalue |
|----------------------------|-------|-----|---------|---------------|--------|
| 28) Naphthalene            | 10.95 | 128 | 34723   | 8.37 ng/ul    | 99     |
| 34) 2-Methylnaphthalene    | 12.55 | 142 | 8276    | 2.61 ng/ul    | 96     |
| 45) Dimethylphthalate      | 14.16 | 163 | 17379   | 3.53 ng/ul    | 99     |
| 50) Acenaphthene           | 14.78 | 153 | 86135   | 21.46 ng/ul   | 99     |
| 54) Dibenzofuran           | 15.11 | 168 | 55307   | 9.26 ng/ul    | 97     |
| 59) Fluorene               | 15.76 | 166 | 83555   | 17.43 ng/ul   | 96     |
| 70) Phenanthrene           | 17.51 | 178 | 1258196 | 161.37 ng/ul  | 95     |
| 72) Anthracene             | 17.59 | 178 | 266940  | 33.75 ng/ul   | 98     |
| 75) Carbazole              | 17.87 | 167 | 160376  | 24.14 ng/ul   | 99     |
| 77) Fluoranthene           | 19.53 | 202 | 2190896 | 240.43 ng/ul# | 93     |
| 80) Pyrene                 | 19.89 | 202 | 1966868 | 182.02 ng/ul# | 93     |
| 83) Benzo(a)anthracene     | 21.73 | 228 | 1195923 | 114.80 ng/ul  | 93     |
| 85) Chrysene               | 21.73 | 228 | 1186414 | 120.92 ng/ul  | 96     |
| 88) Benzo(b)fluoranthene   | 24.00 | 252 | 1696164 | 159.45 ng/ul  | 94     |
| 89) Benzo(k)fluoranthene   | 24.05 | 252 | 525567  | 51.49 ng/ul   | 97     |
| 91) Benzo(a)pyrene         | 24.89 | 252 | 1212857 | 120.28 ng/ul  | 96     |
| 92) Indeno(1,2,3-cd)pyrene | 28.79 | 276 | 954394  | 79.48 ng/ul   | 95     |
| 93) Dibenzo(a,h)anthracene | 28.82 | 278 | 239269m | 24.00 ng/ul   | 95     |
| 94) Benzo(g,h,i)perylene   | 29.97 | 276 | 871897  | 88.57 ng/ul   | 99     |

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

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# Quantitation Report (Qedit)

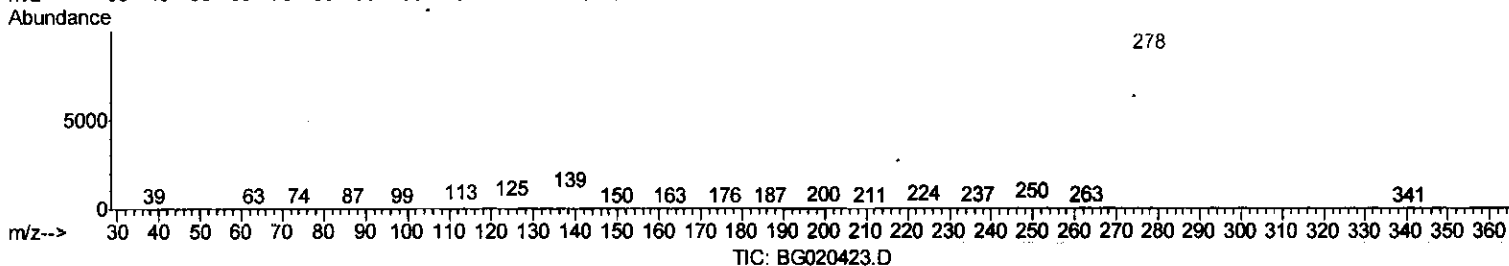
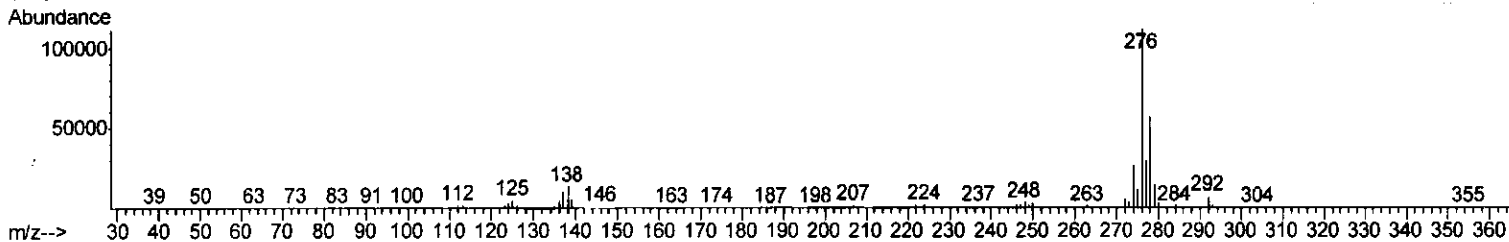
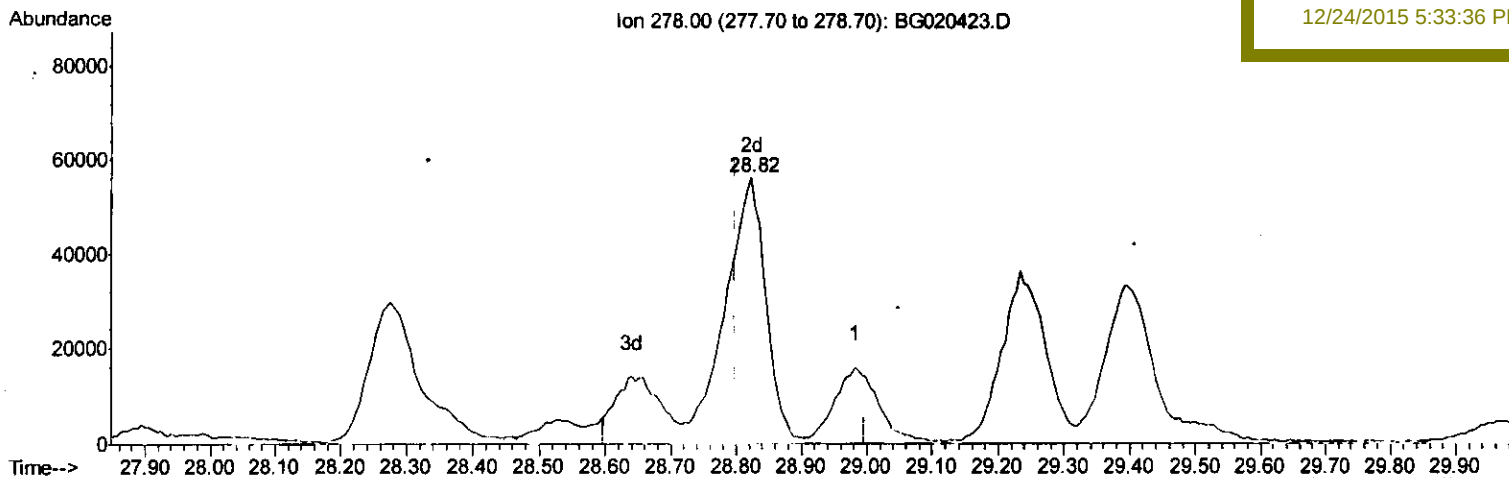
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(93) Dibenzo(a,h)anthracene

28.823min (+0.025) 24.00ng/ul m

response 239269

Ion Exp% Act%

278.00 100 100

139.00 11.80 9.39#

279.00 24.20 25.52

0.00 0.00 0.00

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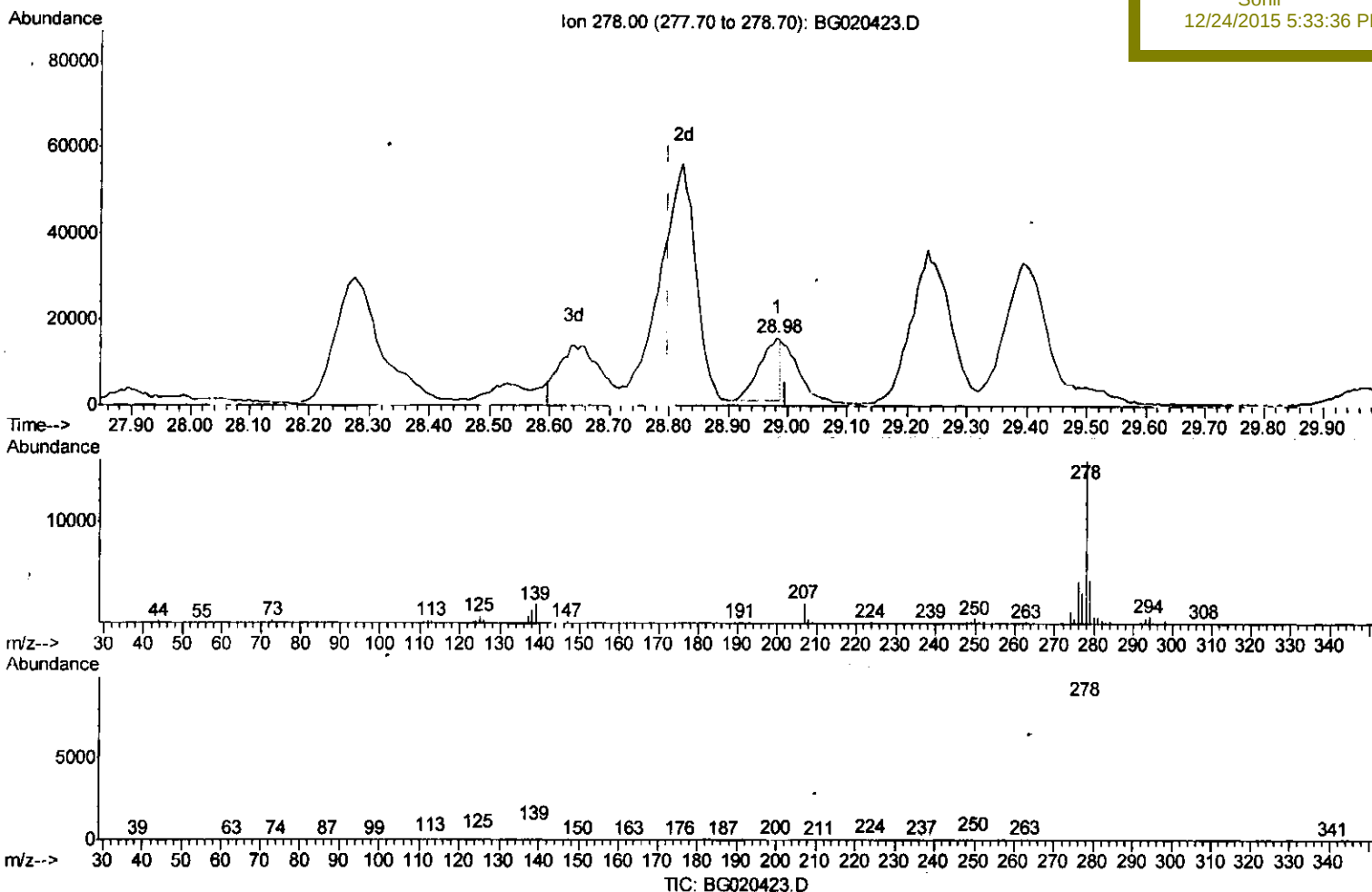
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(93) Dibenzo(a,h)anthracene

28.981min (+0.183) 3.65ng/ul

response 36420

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 11.80 | 12.50 |
| 279.00 | 24.20 | 27.46 |
| 0.00   | 0.00  | 0.00  |

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