

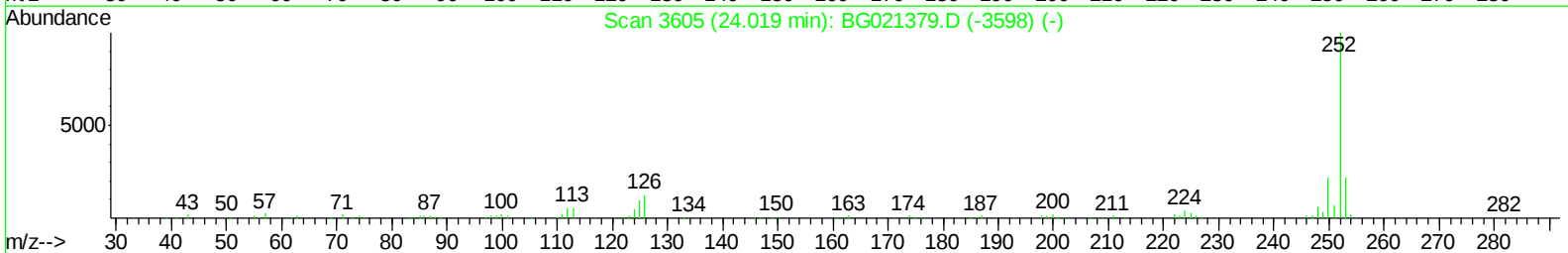
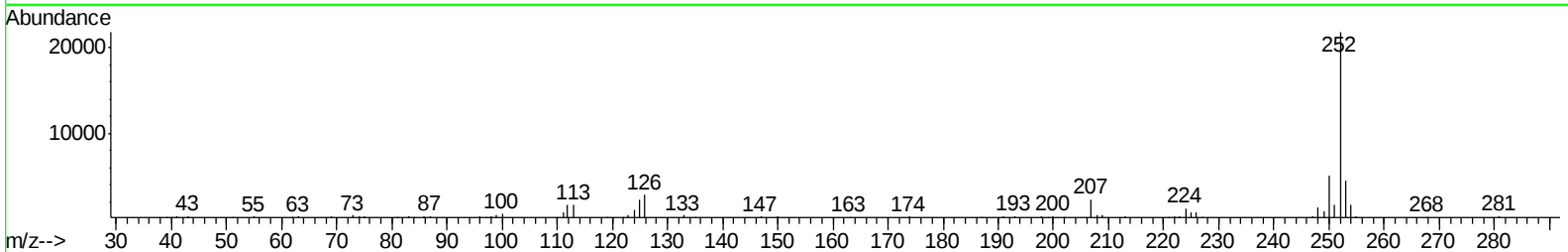
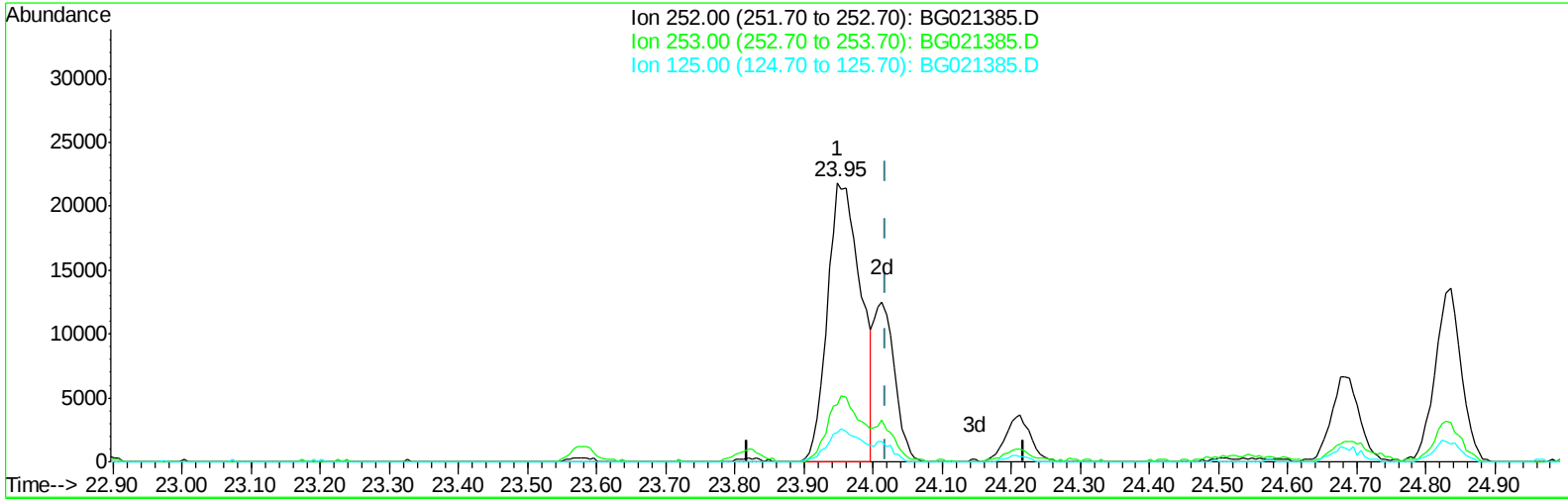
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG030816\  
Data File : BG021385.D  
Acq On : 9 Mar 2016 3:05  
Operator : UM/SJ  
Sample : H1655-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MS-SS-H280

Manual Integrations  
APPROVED

UMANGI  
3/9/2016 9:28:20 AM

Quant Time: Mar 09 06:38:25 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG030316.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Mar 09 02:03:52 2016  
Response via : Initial Calibration



TIC: BG021385.D

(89) Benzo(k)fluoranthene

23.948min (-0.071) 14.18ng/ul

response 72967

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.50 | 20.34 |
| 125.00 | 10.10 | 10.39 |
| 0.00   | 0.00  | 0.00  |

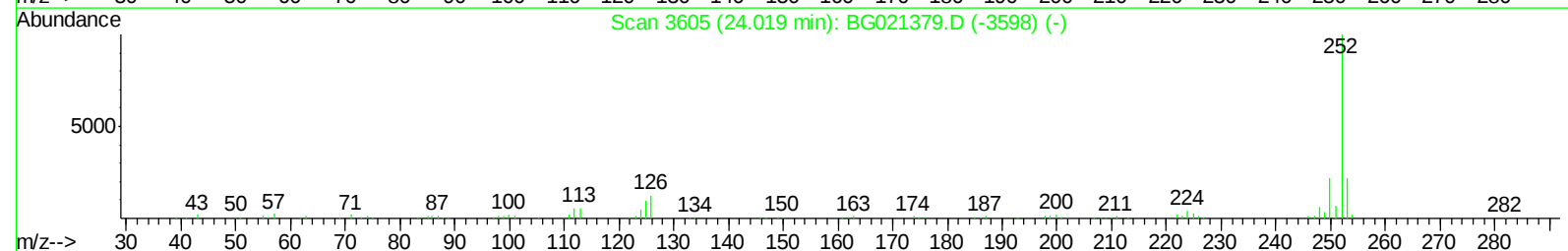
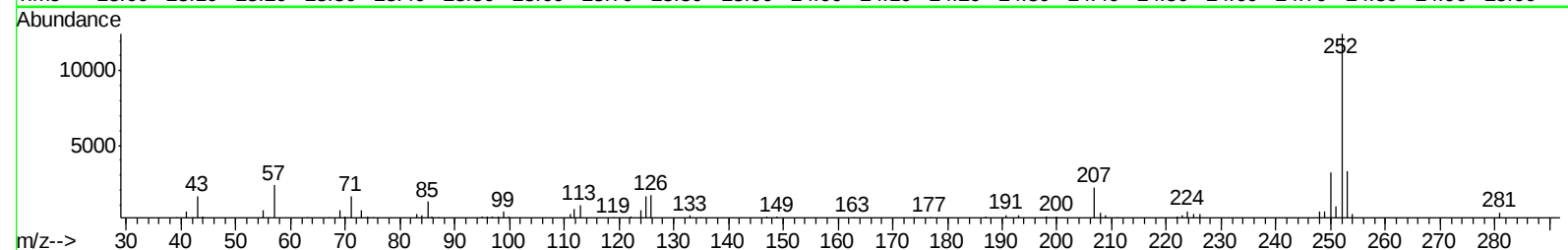
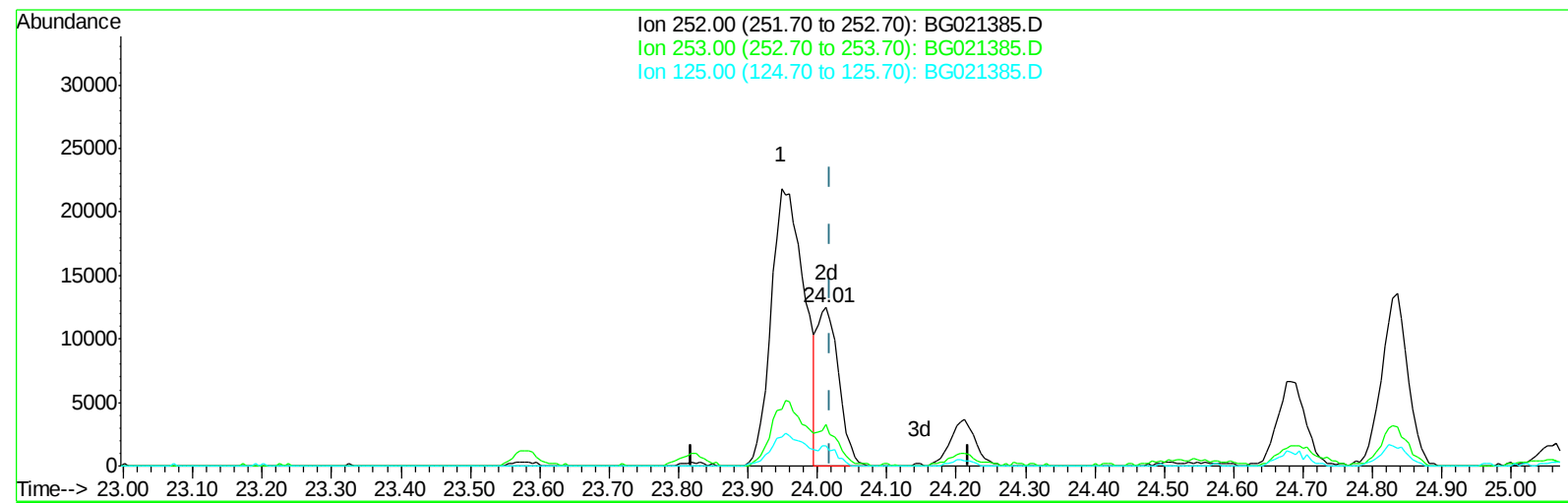
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Data File : BG021385.D  
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TIC: BG021385.D

(89) Benzo(k)fluoranthene

24.013min (-0.006) 5.12ng/ul m

response 26327

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.50 | 26.36  |
| 125.00 | 10.10 | 12.60# |
| 0.00   | 0.00  | 0.00   |

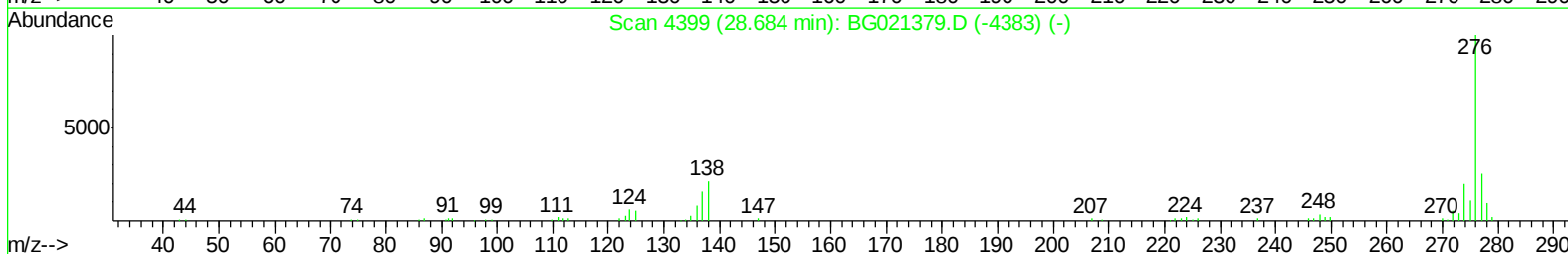
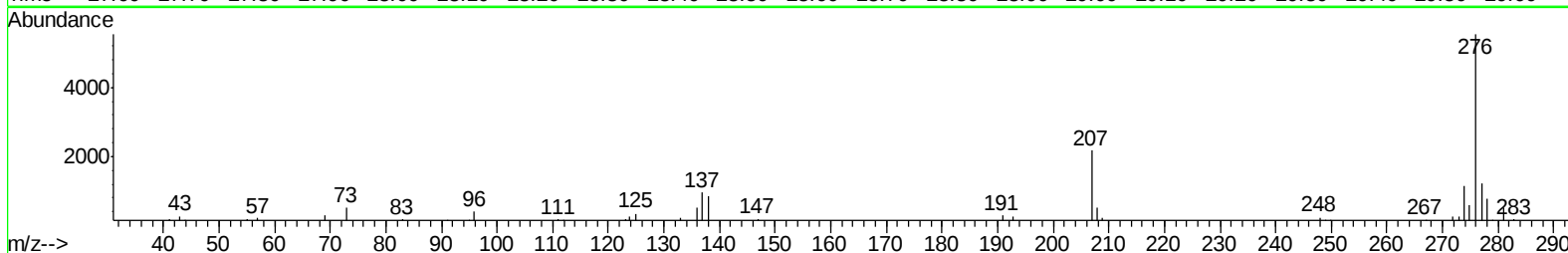
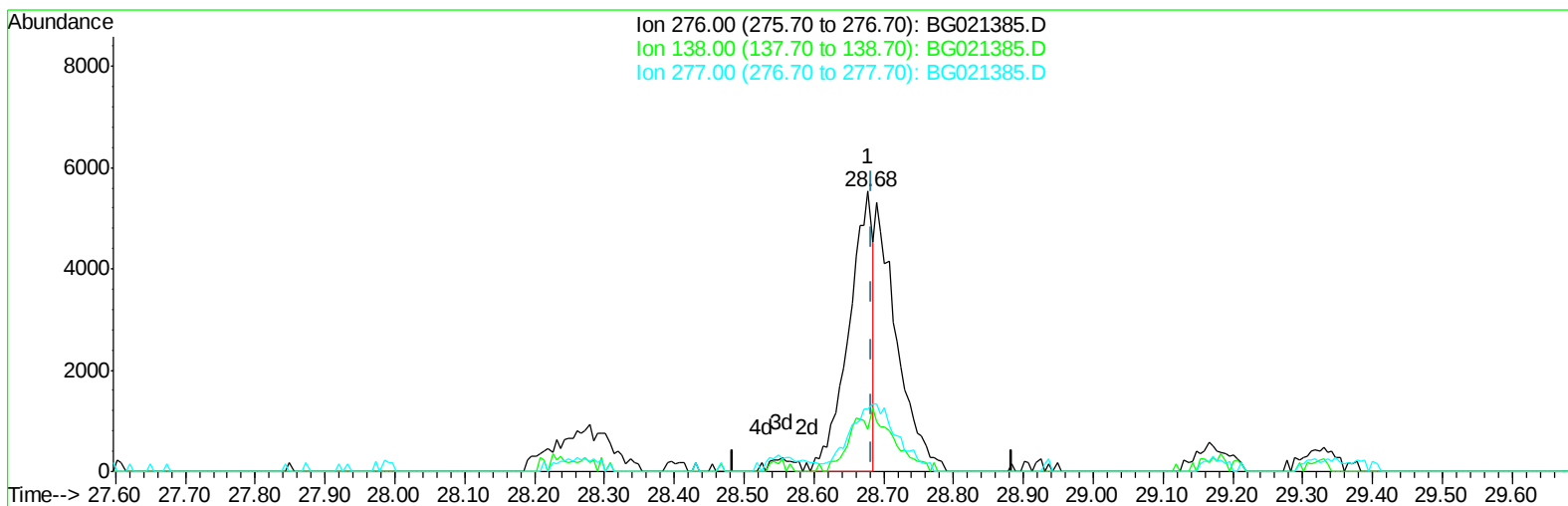
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Data File : BG021385.D  
Acq On : 9 Mar 2016 3:05  
Operator : UM/SJ  
Sample : H1655-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Response via : Initial Calibration



TIC: BG021385.D

(92) Indeno(1,2,3-cd)pyrene

28.678min (-0.006) 2.35ng/ul

response 13140

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 18.00 | 15.13 |
| 277.00 | 22.50 | 22.41 |
| 0.00   | 0.00  | 0.00  |

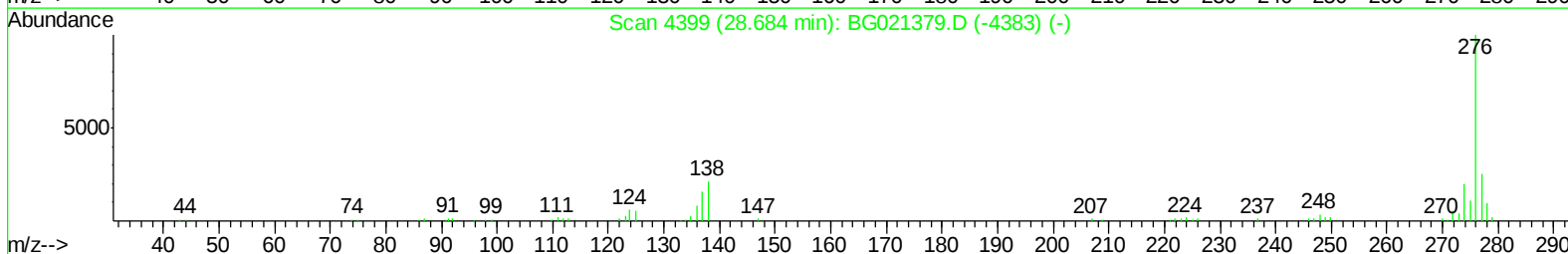
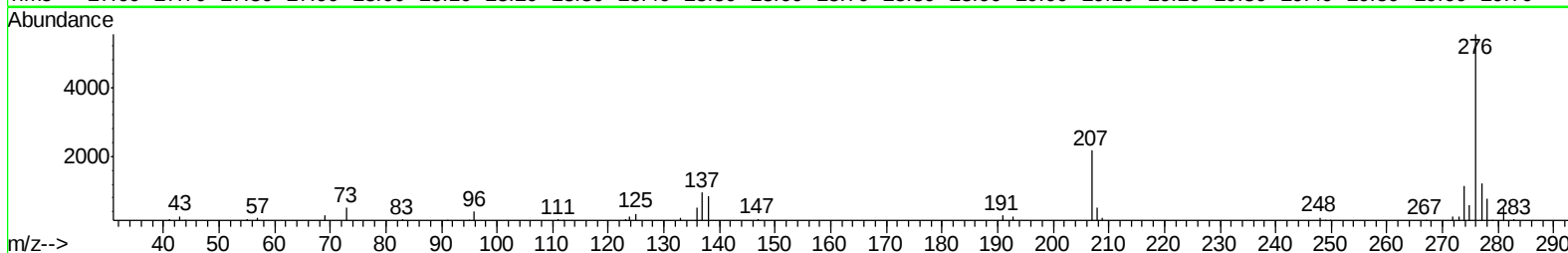
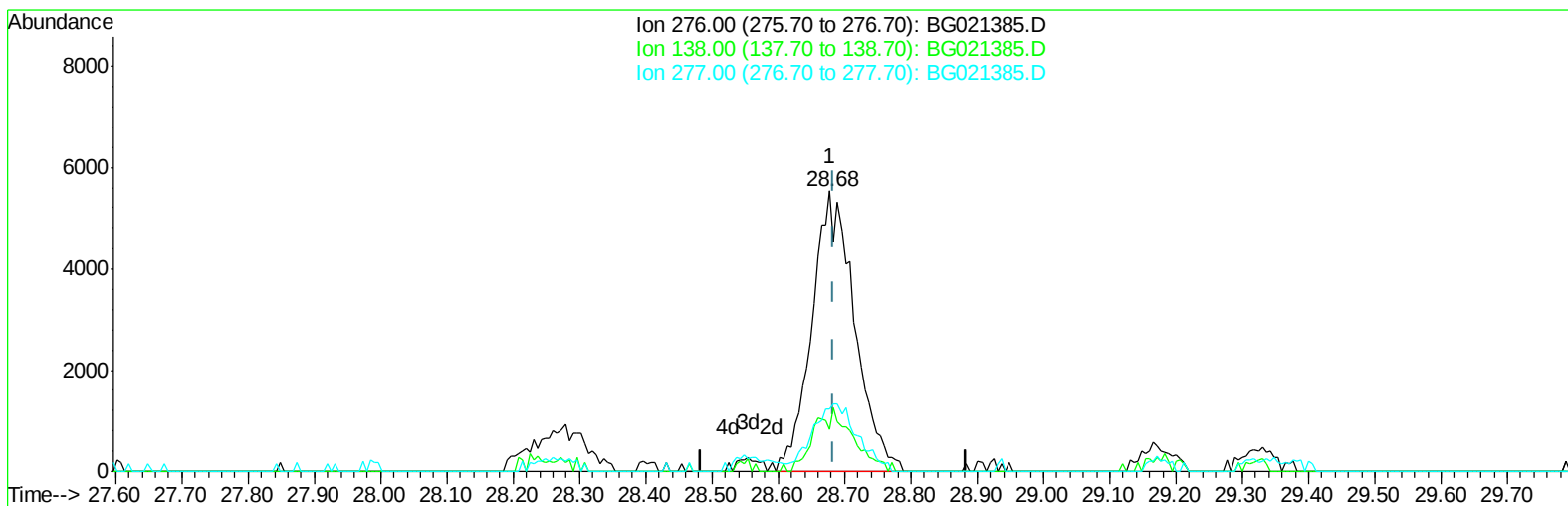
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Instrument :  
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TIC: BG021385.D

(92) Indeno(1,2,3-cd)pyrene

28.678min (-0.006) 4.41ng/ul m

response 24716

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 18.00 | 15.13 |
| 277.00 | 22.50 | 22.41 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG030816\  
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 Operator : UM/SJ  
 Sample : H1655-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MS-SS-H280

Manual Integrations  
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UMANGI  
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Quant Time: Mar 09 06:51:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG030316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 09 02:03:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.13  | 152  | 11820    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 58066    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.74 | 164  | 34261    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 77217    | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.73 | 240  | 84872    | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.98 | 264  | 77924    | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |       |      |
|--------------------------------|-------|-----|-------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.53  | 96  | 1251  | 4.41  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.27  | 99  | 27919 | 22.52 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.44  | 67  | 19244 | 23.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.66  | 132 | 19649 | 22.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 21236 | 21.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 10869 | 23.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.01 | 143 | 11139 | 22.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.55 | 165 | 19051 | 21.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.06 | 131 | 24822 | 22.49 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.13 | 166 | 62096 | 21.92 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.43 | 160 | 82161 | 22.98 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.92 | 143 | 9148  | 16.40 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.72 | 176 | 56134 | 22.36 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 8474  | 15.64 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.57 | 188 | 86932 | 22.84 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.84 | 212 | 94005 | 22.16 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.76 | 264 | 77496 | 18.69 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 28) Naphthalene                | 10.98 | 128 | 5168   | 1.60  | ng/ul# | 97     |
| 45) Dimethylphthalate          | 14.18 | 163 | 14092  | 4.62  | ng/ul  | 97     |
| 50) Acenaphthene               | 14.80 | 153 | 10864  | 4.29  | ng/ul  | 96     |
| 54) Dibenzofuran               | 15.13 | 168 | 9533   | 2.76  | ng/ul  | 95     |
| 59) Fluorene                   | 15.78 | 166 | 13983  | 4.63  | ng/ul  | 96     |
| 70) Phenanthrene               | 17.51 | 178 | 152137 | 33.17 | ng/ul  | 99     |
| 72) Anthracene                 | 17.60 | 178 | 33299  | 7.15  | ng/ul  | 98     |
| 75) Carbazole                  | 17.87 | 167 | 16605  | 4.08  | ng/ul  | 97     |
| 77) Fluoranthene               | 19.51 | 202 | 173142 | 32.12 | ng/ul  | 98     |
| 80) Pyrene                     | 19.87 | 202 | 121788 | 21.63 | ng/ul  | 99     |
| 81) Butylbenzylphthalate       | 20.74 | 149 | 19211  | 7.53  | ng/ul  | 92     |
| 83) Benzo(a)anthracene         | 21.72 | 228 | 70190  | 12.88 | ng/ul  | 98     |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 19705  | 5.20  | ng/ul  | 100    |
| 85) Chrysene                   | 21.78 | 228 | 63532  | 12.50 | ng/ul  | 97     |
| 88) Benzo(b)fluoranthene       | 23.95 | 252 | 72967  | 13.76 | ng/ul  | 97     |
| 89) Benzo(k)fluoranthene       | 24.01 | 252 | 26327m | 5.12  | ng/ul  |        |
| 91) Benzo(a)pyrene             | 24.84 | 252 | 35588  | 6.93  | ng/ul  | 99     |
| 92) Indeno(1,2,3-cd)pyrene     | 28.68 | 276 | 24716m | 4.41  | ng/ul  |        |
| 93) Dibenzo(a,h)anthracene     | 28.74 | 278 | 8329   | 1.73  | ng/ul# | 91     |

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

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