

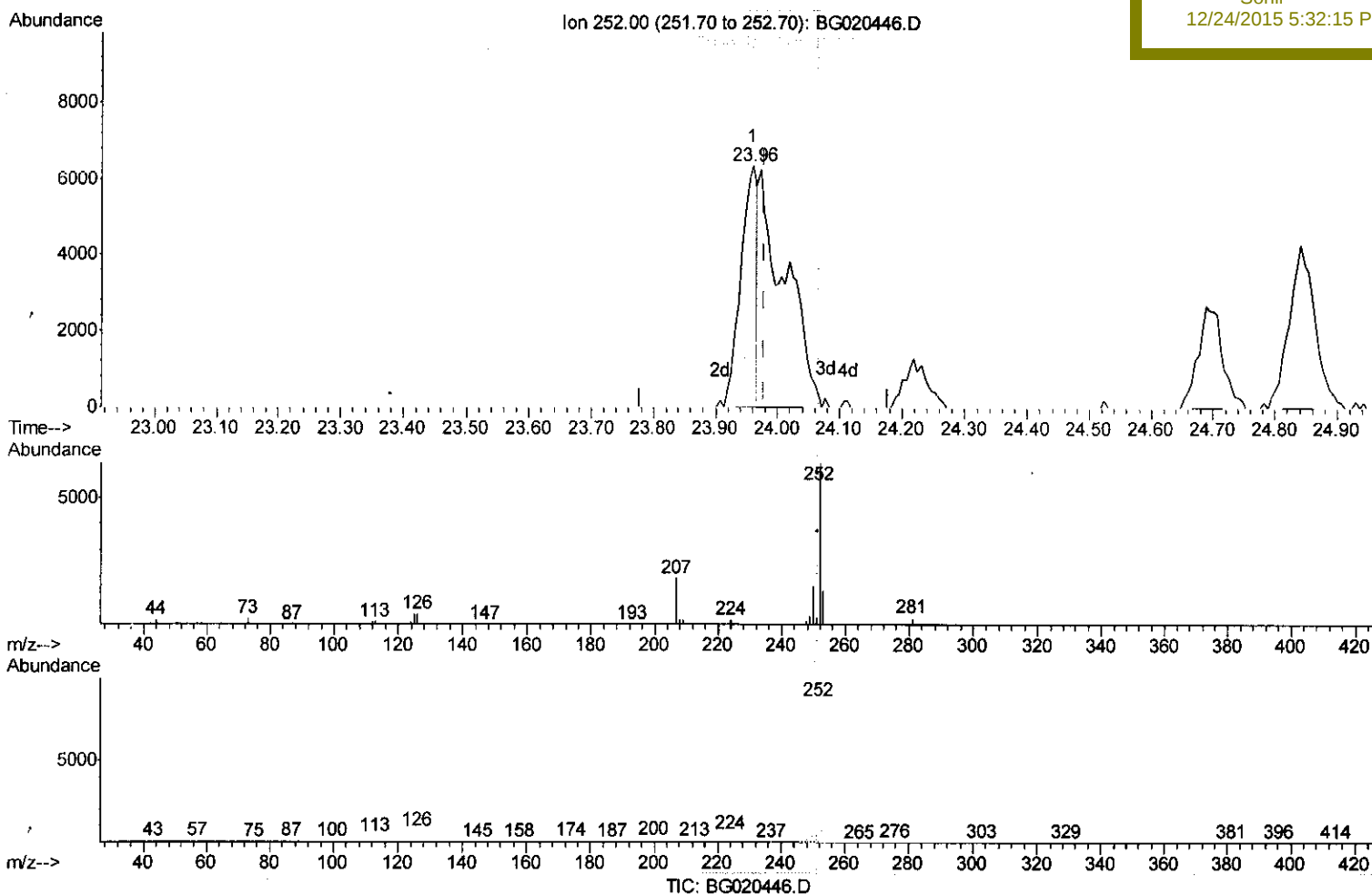
Data Path : Z:\HPCHEM1\BNA\_G\Data\BG122215\  
Data File : BG020446.D  
Acq On : 23 Dec 2015 16:48  
Operator : UM/SJ  
Sample : G4848-02DL 25X  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 17:49:25 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 22 05:02:37 2015  
Response via : Initial Calibration

Instrument :  
BNA\_G  
ClientSampled :  
D9N48DL

Manual Integrations  
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12/24/2015 5:32:15 PM



(88) Benzo(b)fluoranthene

23.960min (-0.018) 1.02ng/ul

response 11788

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 20.90 | 22.26 |
| 125.00 | 7.70  | 8.32  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

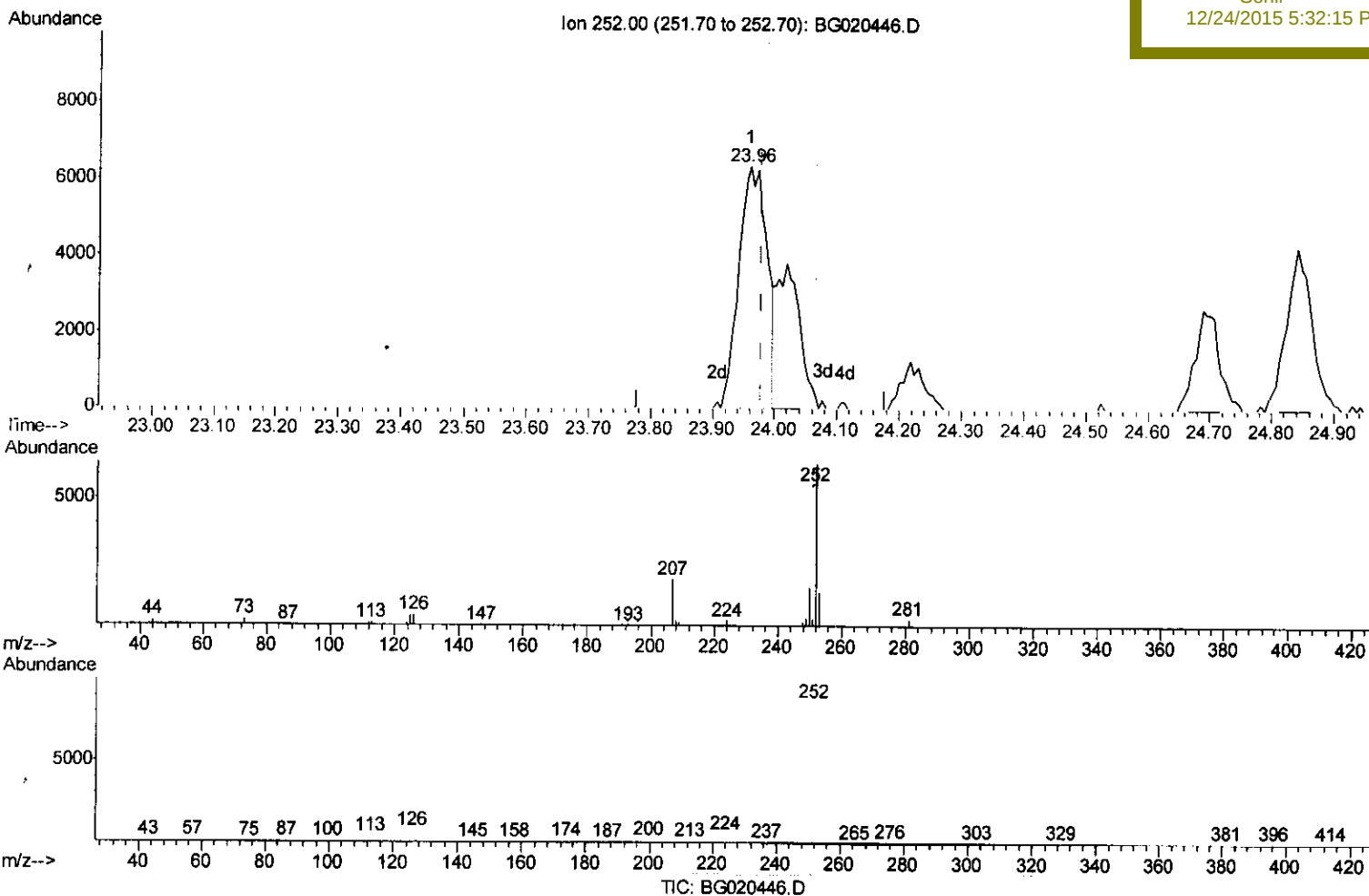
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(88) Benzo(b)fluoranthene

23.960min (-0.018) 1.73ng/ul m

response 19905

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 20.90 | 22.26 |
| 125.00 | 7.70  | 8.32  |
| 0.00   | 0.00  | 0.00  |

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 20970    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.90 | 136  | 89578    | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.72 | 164  | 65879    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.46 | 188  | 163093   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.73 | 240  | 204485   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 25.00 | 264  | 191418   | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |       |
| 5) Phenol-d5                   | 7.24  | 99  | 1330  | 0.72 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 932   | 0.84 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.61  | 132 | 1217  | 0.90 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.80  | 113 | 1085  | 0.69 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 9.25  | 128 | 471   | 0.67 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.98  | 143 | 664   | 0.85 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.52 | 165 | 613   | 0.39 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 11.05 | 131 | 1400  | 0.79 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.11 | 166 | 6093  | 1.14 | ng/ul | -0.01 |
| 47) Acenaphthylene-d8          | 14.41 | 160 | 6681  | 1.08 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0     | 0.00 | ng/ul |       |
| 58) Fluorene-d10               | 15.70 | 176 | 6065  | 1.25 | ng/ul | -0.01 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0     | 0.00 | ng/ul |       |
| 71) Anthracene-d10             | 17.56 | 188 | 9106  | 1.21 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.84 | 212 | 9475  | 0.99 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.77 | 264 | 10351 | 1.08 | ng/ul | -0.02 |

## Target Compounds

|                          |       |     |        |       |        | Qvalue |
|--------------------------|-------|-----|--------|-------|--------|--------|
| 28) Naphthalene          | 10.95 | 128 | 176494 | 37.73 | ng/ul  | 98     |
| 34) 2-Methylnaphthalene  | 12.55 | 142 | 54147  | 15.15 | ng/ul  | 94     |
| 41) 1,1'-Biphenyl        | 13.55 | 154 | 23172  | 4.66  | ng/ul  | 92     |
| 48) Acenaphthylene       | 14.44 | 152 | 6784   | 1.03  | ng/ul# | 93     |
| 50) Acenaphthene         | 14.78 | 153 | 102299 | 23.08 | ng/ul  | 96     |
| 54) Dibenzofuran         | 15.11 | 168 | 108070 | 16.39 | ng/ul  | 98     |
| 59) Fluorene             | 15.76 | 166 | 104351 | 19.71 | ng/ul  | 96     |
| 70) Phenanthrene         | 17.51 | 178 | 486633 | 54.55 | ng/ul  | 100    |
| 72) Anthracene           | 17.60 | 178 | 30489  | 3.37  | ng/ul  | 99     |
| 75) Carbazole            | 17.86 | 167 | 19485  | 2.56  | ng/ul  | 95     |
| 77) Fluoranthene         | 19.51 | 202 | 298636 | 28.64 | ng/ul  | 97     |
| 80) Pyrene               | 19.87 | 202 | 193631 | 15.65 | ng/ul  | 98     |
| 83) Benzo(a)anthracene   | 21.72 | 228 | 46784  | 3.92  | ng/ul  | 100    |
| 85) Chrysene             | 21.78 | 228 | 38179  | 3.40  | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 19905m | 1.73  | ng/ul  |        |
| 91) Benzo(a)pyrene       | 24.84 | 252 | 12186  | 1.12  | ng/ul  | 94     |

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

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