

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112215\  
 Data File : BG019800.D  
 Acq On : 23 Nov 2015 3:08  
 Operator : UM/NP  
 Sample : G4345-21  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4J66

Quant Time: Nov 23 05:58:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG111615.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Nov 23 04:11:25 2015  
 Response via : Initial Calibration

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.11  | 152  | 17948    | 20.00 | ng/ul  | 0.00     |
| 18) Naphthalene-d8             | 10.94 | 136  | 84179    | 20.00 | ng/ul  | 0.00     |
| 36) Acenaphthene-d10           | 14.75 | 164  | 73264    | 20.00 | ng/ul  | 0.00     |
| 62) Phenanthrene-d10           | 17.50 | 188  | 200763   | 20.00 | ng/ul  | 0.00     |
| 78) Chrysene-d12               | 21.76 | 240  | 263613   | 20.00 | ng/ul  | 0.00     |
| 86) Perylene-d12               | 25.07 | 264  | 255657   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds    |       |      |          |       |        |          |
| 3) 1,4-Dioxane-d8              | 3.39  | 96   | 1402     | 3.34  | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 7.26  | 99   | 37230    | 20.25 | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.42  | 67   | 23183    | 19.24 | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.63  | 132  | 23493    | 19.92 | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.82  | 113  | 31274    | 20.54 | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 9.29  | 128  | 12735    | 18.43 | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 10.01 | 143  | 16314    | 20.97 | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.56 | 165  | 35485    | 21.10 | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 11.07 | 131  | 13539    | 8.48  | ng/ul  | 0.00     |
| 44) Dimethylphthalate-d6       | 14.15 | 166  | 130583   | 19.71 | ng/ul  | 0.00     |
| 47) Acenaphthylene-d8          | 14.45 | 160  | 122992   | 17.13 | ng/ul  | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.95 | 143  | 16712    | 16.01 | ng/ul  | 0.00     |
| 58) Fluorene-d10               | 15.74 | 176  | 99473    | 16.78 | ng/ul  | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.85 | 200  | 22762    | 17.55 | ng/ul  | 0.00     |
| 71) Anthracene-d10             | 17.59 | 188  | 151995   | 15.59 | ng/ul  | 0.00     |
| 79) Pyrene-d10                 | 19.87 | 212  | 150740   | 12.55 | ng/ul  | 0.00     |
| 90) Benzo(a)pyrene-d12         | 24.84 | 264  | 130876   | 9.81  | ng/ul  | 0.00     |
| Target Compounds               |       |      |          |       |        |          |
|                                |       |      |          |       | Qvalue |          |
| 4) Benzaldehyde                | 7.24  | 77   | 4255     | 3.18  | ng/ul# | 82       |
| 6) Phenol                      | 7.29  | 94   | 2735     | 1.38  | ng/ul# | 81       |
| 45) Dimethylphthalate          | 14.20 | 163  | 89666    | 13.65 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.54 | 178  | 109267   | 10.17 | ng/ul  | 98       |
| 72) Anthracene                 | 17.63 | 178  | 22907m   | 2.11  | ng/ul  |          |
| 77) Fluoranthene               | 19.54 | 202  | 197564   | 14.43 | ng/ul  | 99       |
| 80) Pyrene                     | 19.90 | 202  | 162225   | 10.54 | ng/ul  | 96       |
| 83) Benzo(a)anthracene         | 21.75 | 228  | 108334   | 6.78  | ng/ul  | 97       |
| 85) Chrysene                   | 21.81 | 228  | 98173    | 6.53  | ng/ul  | 95       |
| 88) Benzo(b)fluoranthene       | 24.01 | 252  | 125550m  | 7.97  | ng/ul  |          |
| 89) Benzo(k)fluoranthene       | 24.07 | 252  | 39751    | 2.62  | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 24.91 | 252  | 83664    | 5.52  | ng/ul  | 94       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.84 | 276  | 54164    | 3.19  | ng/ul  | 96       |
| 94) Benzo(g,h,i)perylene       | 30.02 | 276  | 46554m   | 3.31  | ng/ul  |          |

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

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## Quantitation Report (Qedit)

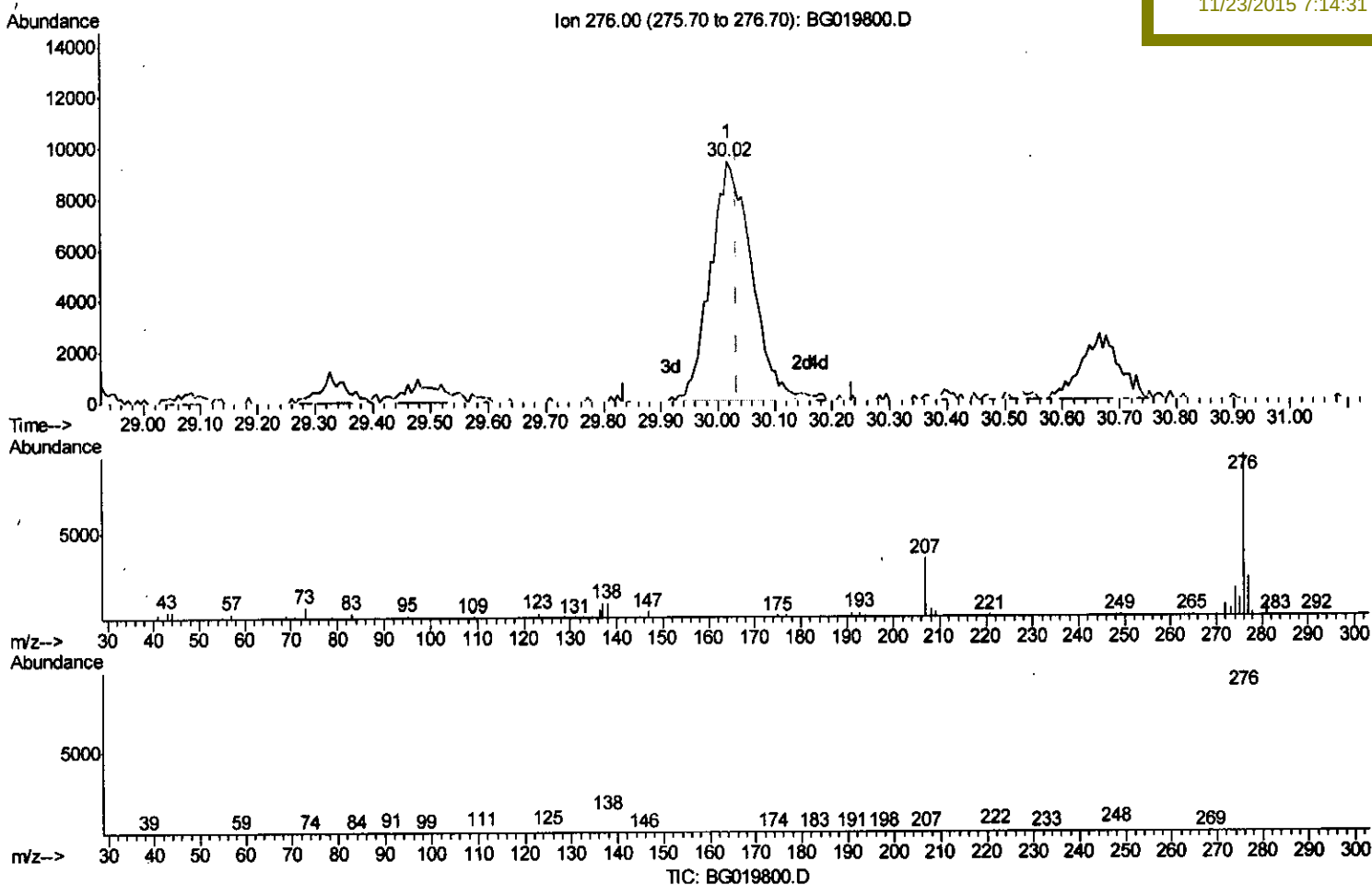
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG112215\  
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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
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A4J66

Quant Time: Nov 23 04:20:59 2015  
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(94) Benzo(g,h,i)perylene

30.018min (-0.017) 3.31ng/ul m

response 46554

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 11.50 | 10.69 |
| 277.00 | 23.30 | 25.40 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

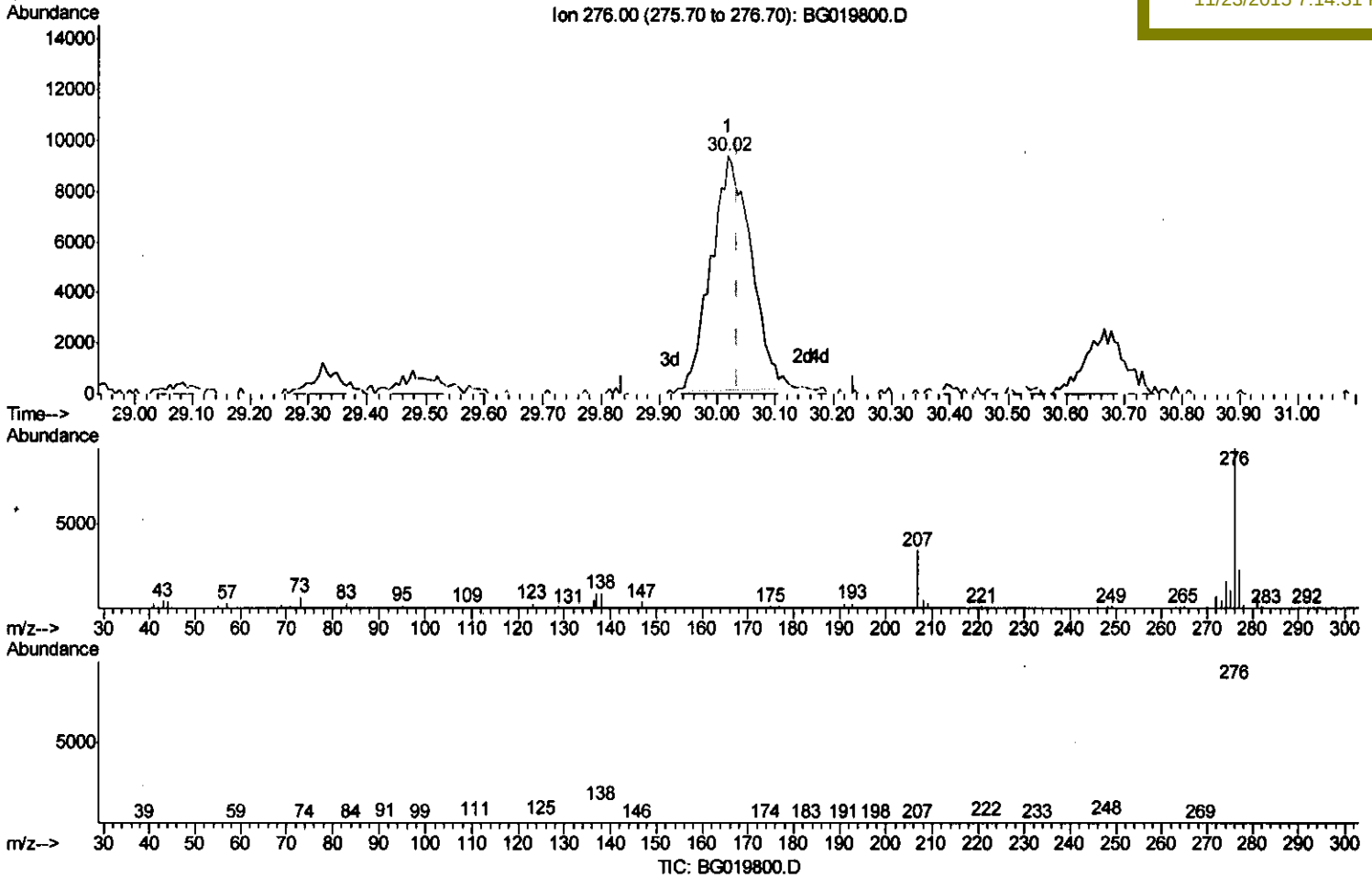
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 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
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(94) Benzo(g,h,i)perylene

30.018min (-0.017) 3.13ng/ul

response 44061

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 11.50 | 10.69 |
| 277.00 | 23.30 | 25.40 |
| 0.00   | 0.00  | 0.00  |

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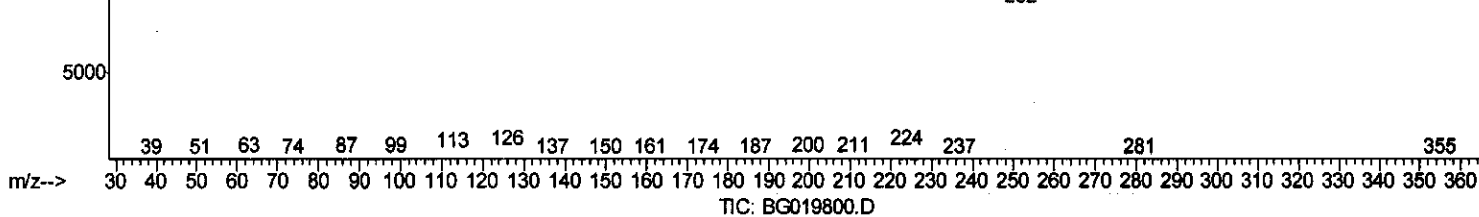
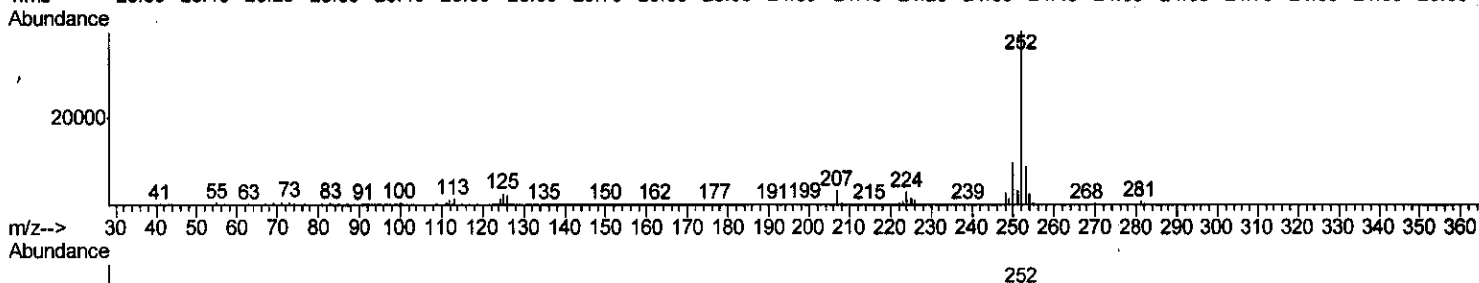
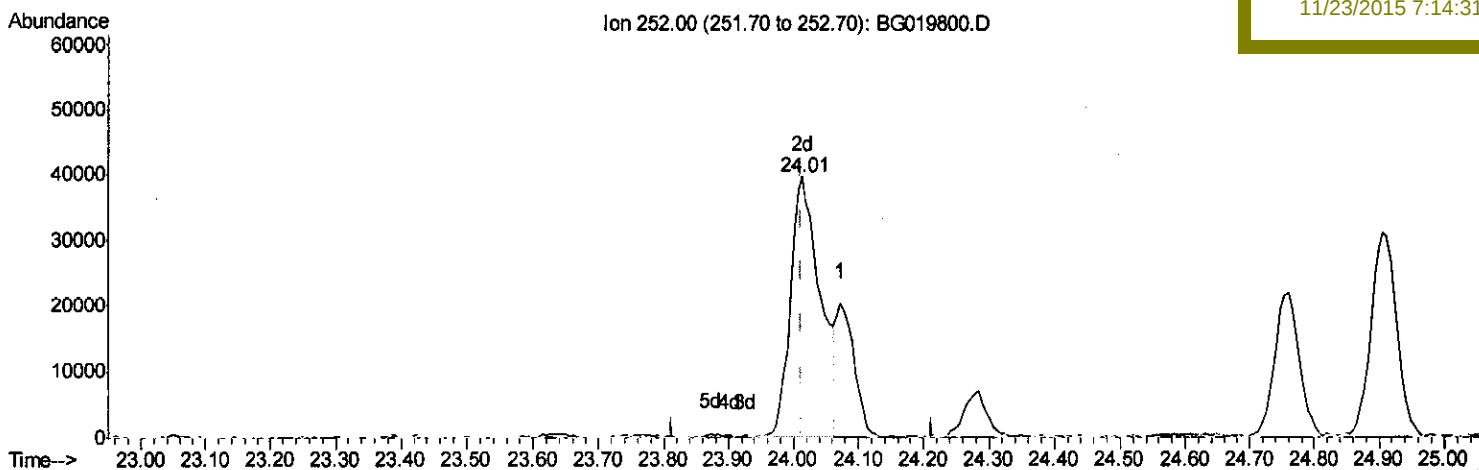
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(88) Benzo(b)fluoranthene

24.014min (+0.001) 7.97ng/ul m

response 125550

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 22.38 |
| 125.00 | 5.30  | 6.83# |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

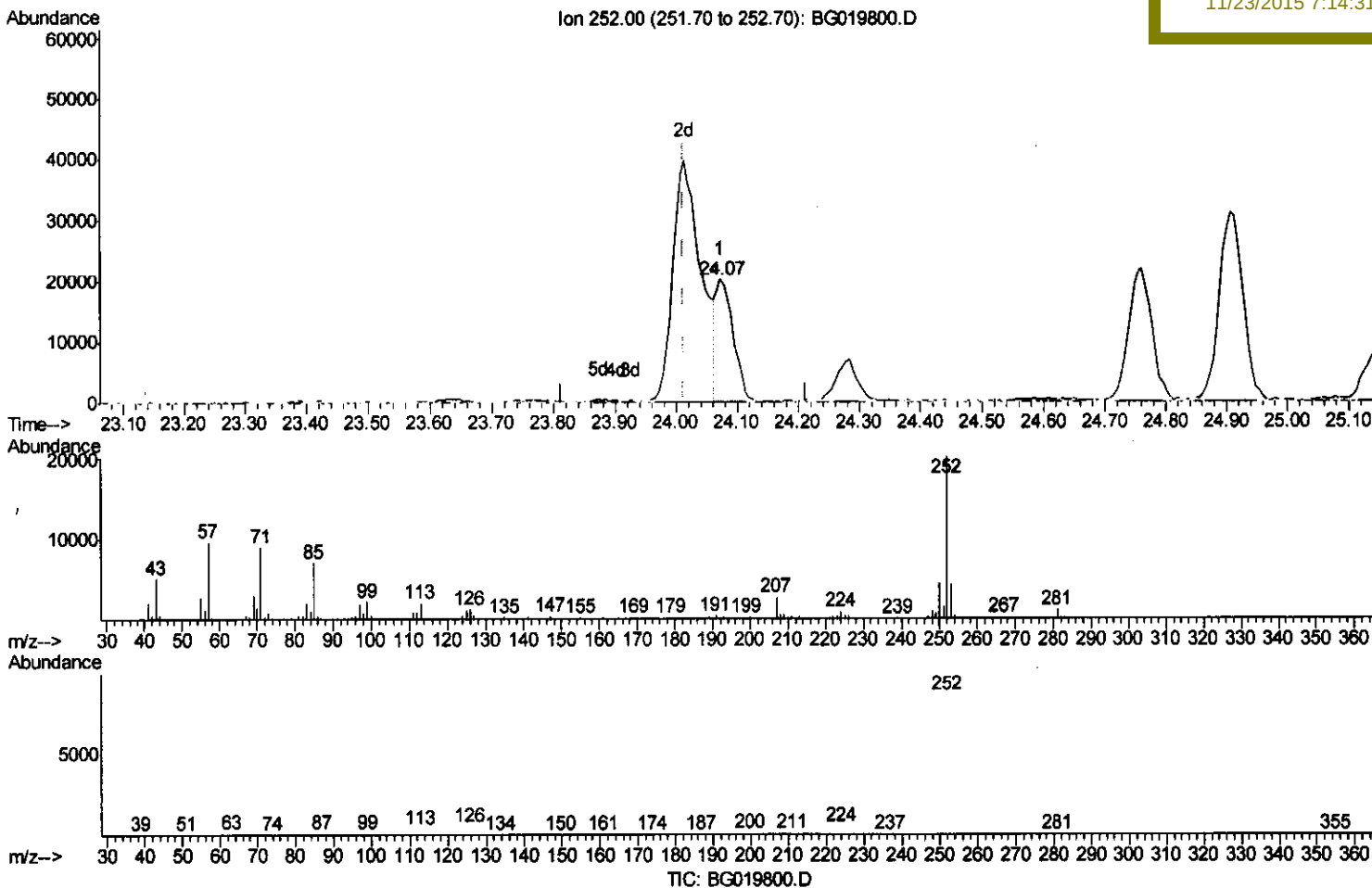
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 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4J66

Quant Time: Nov 23 04:20:59 2015  
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(88) Benzo(b)fluoranthene

24.072min (+0.060) 2.48ng/ul

response 39047

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 21.75 |
| 125.00 | 5.30  | 6.15  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

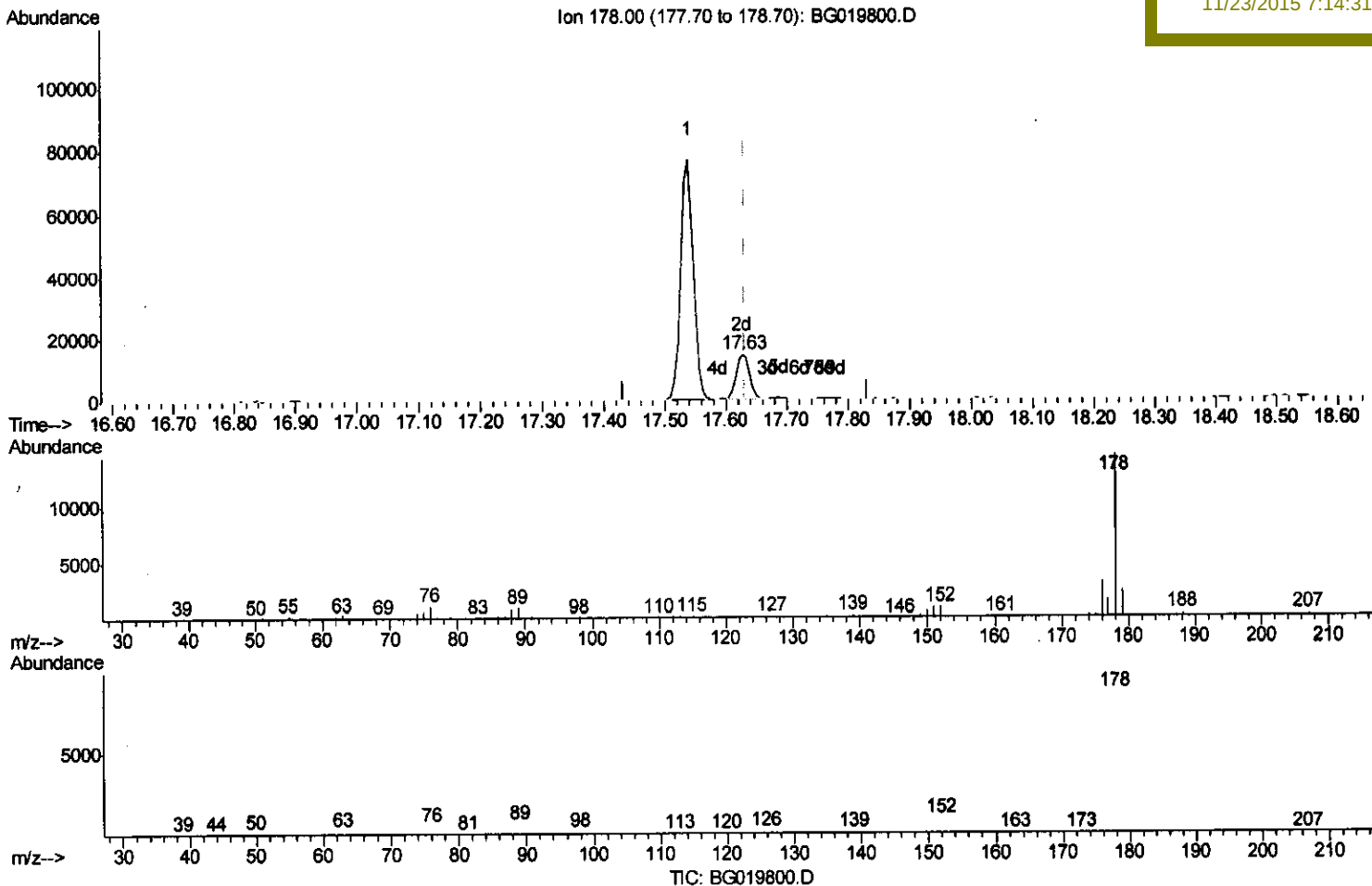
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Instrument :  
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(72) Anthracene

17.627min (-0.005) 2.11ng/ul m

response 22907

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 15.80 | 17.44  |
| 176.00 | 18.70 | 22.90# |
| 0.00   | 0.00  | 0.00   |

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# Quantitation Report (Qedit)

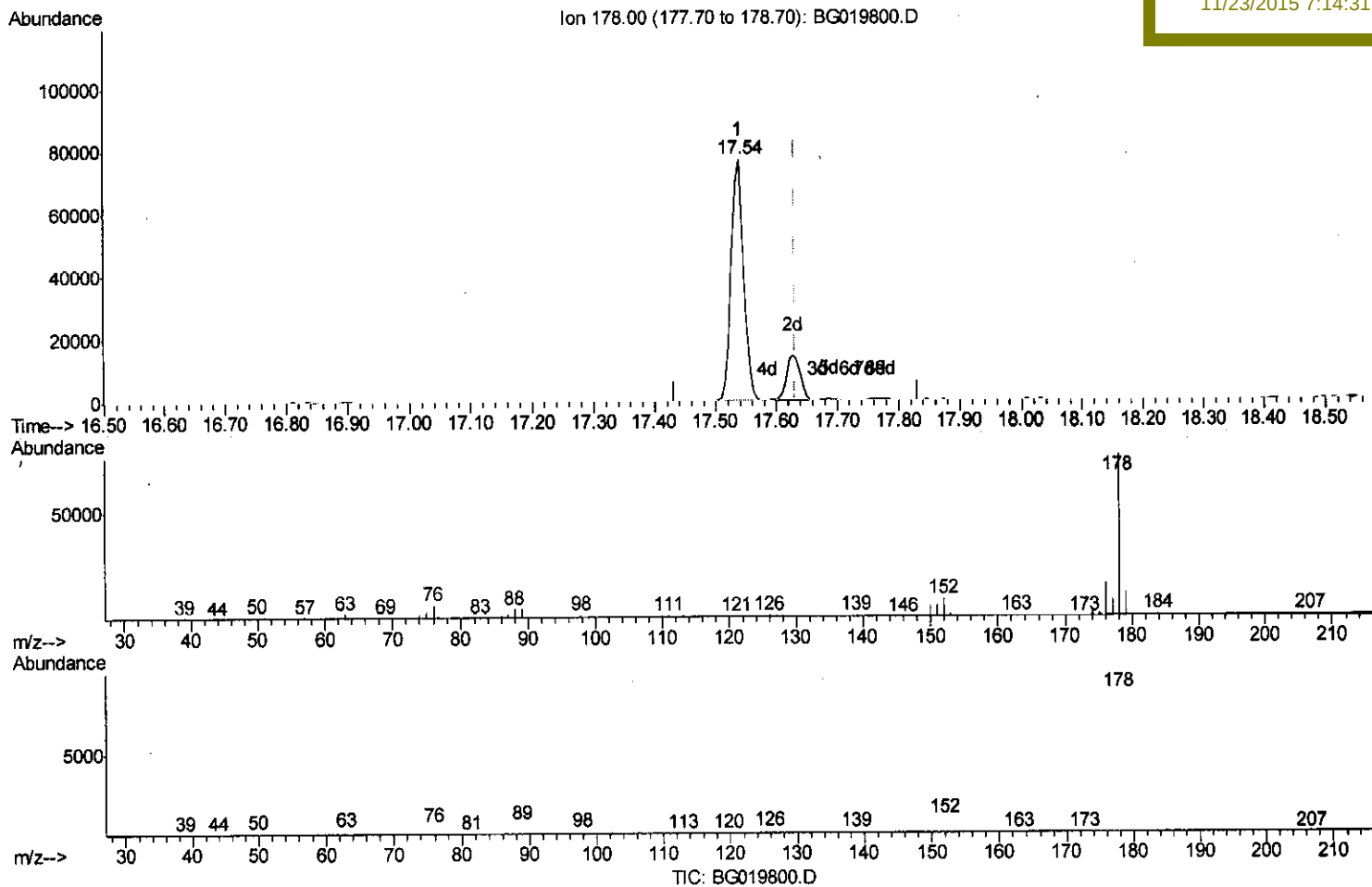
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(72) Anthracene

17.539min (-0.093) 10.09ng/ul

response 109267

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 15.80 | 14.73 |
| 176.00 | 18.70 | 19.84 |
| 0.00   | 0.00  | 0.00  |

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