

# Quantitation Report (Qedit)

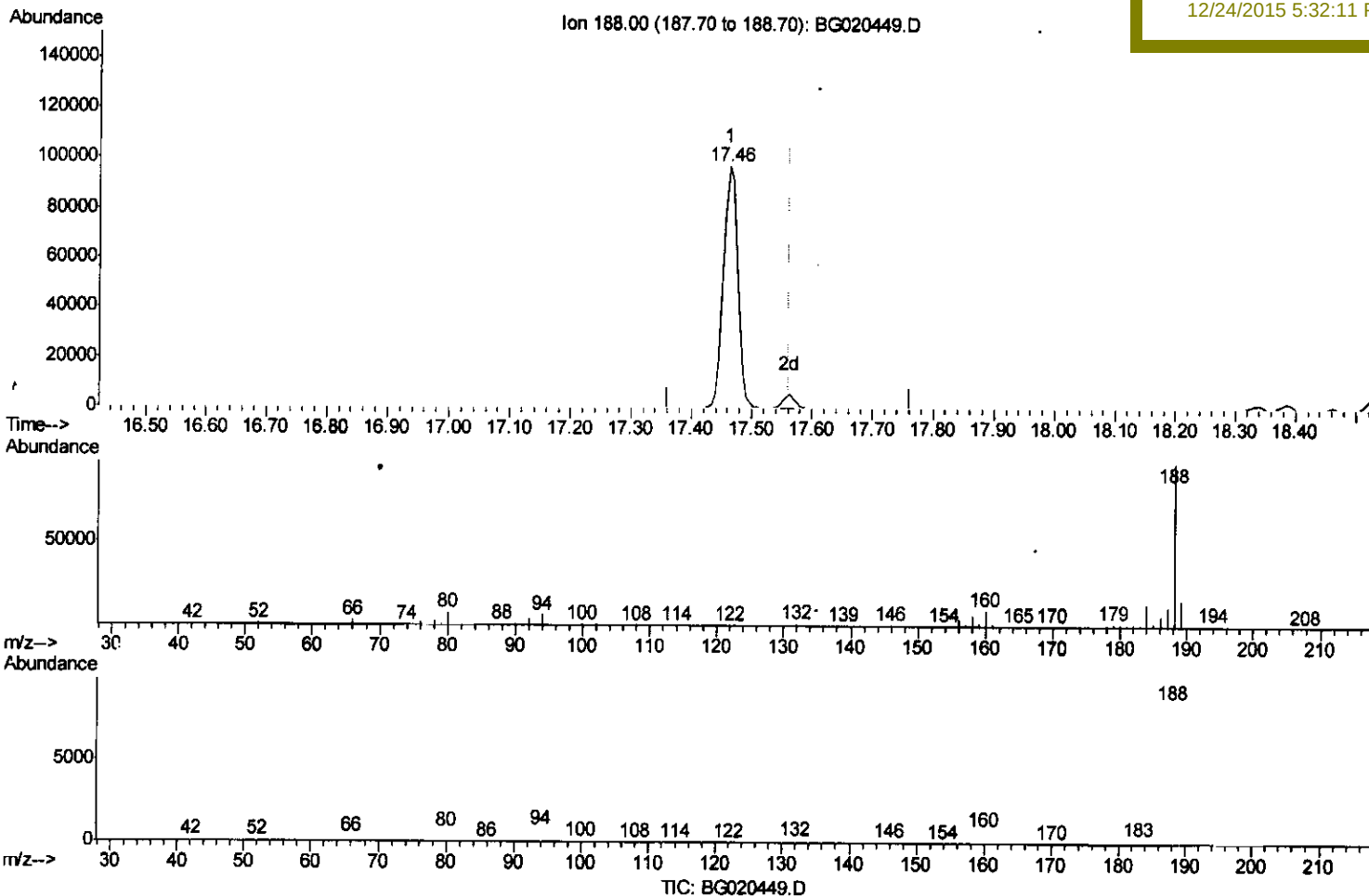
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122215\  
 Data File : BG020449.D  
 Acq On : 23 Dec 2015 18:48  
 Operator : UM/SJ  
 Sample : G4848-04DL 30X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N50DL

Quant Time: Dec 24 02:49:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 24 02:43:25 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Sohil  
 12/24/2015 5:32:11 PM



(71) Anthracene-d10 (S)

17.462min (-0.099) 21.70ng/ul

response 161487

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 7.70 | 6.82 |
| 80.00  | 7.50 | 7.86 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

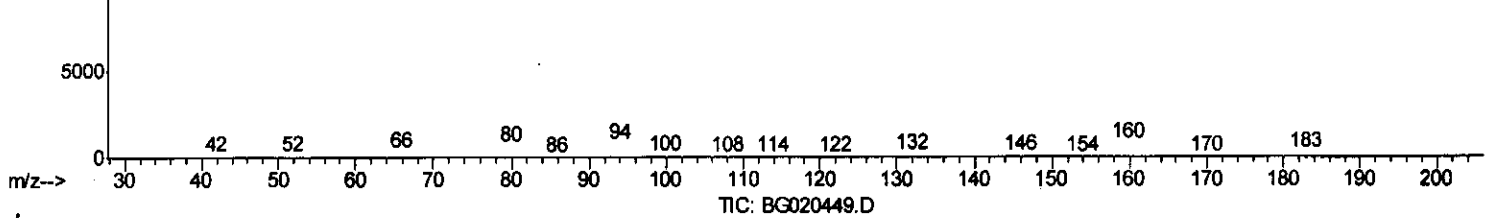
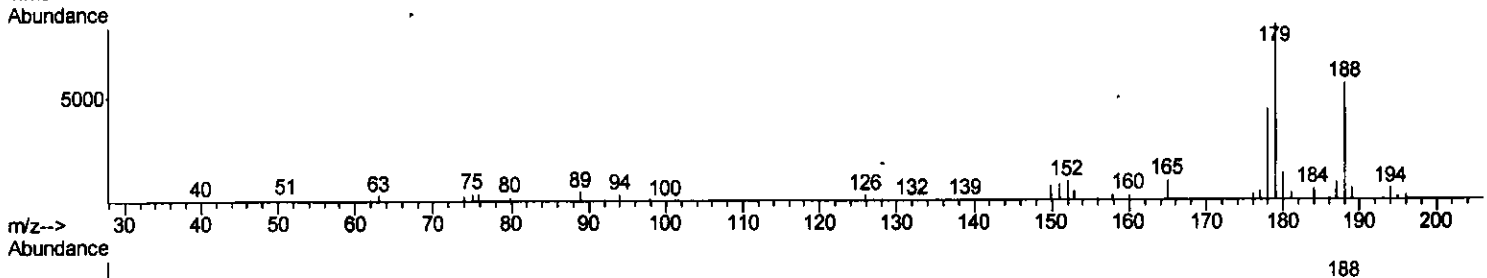
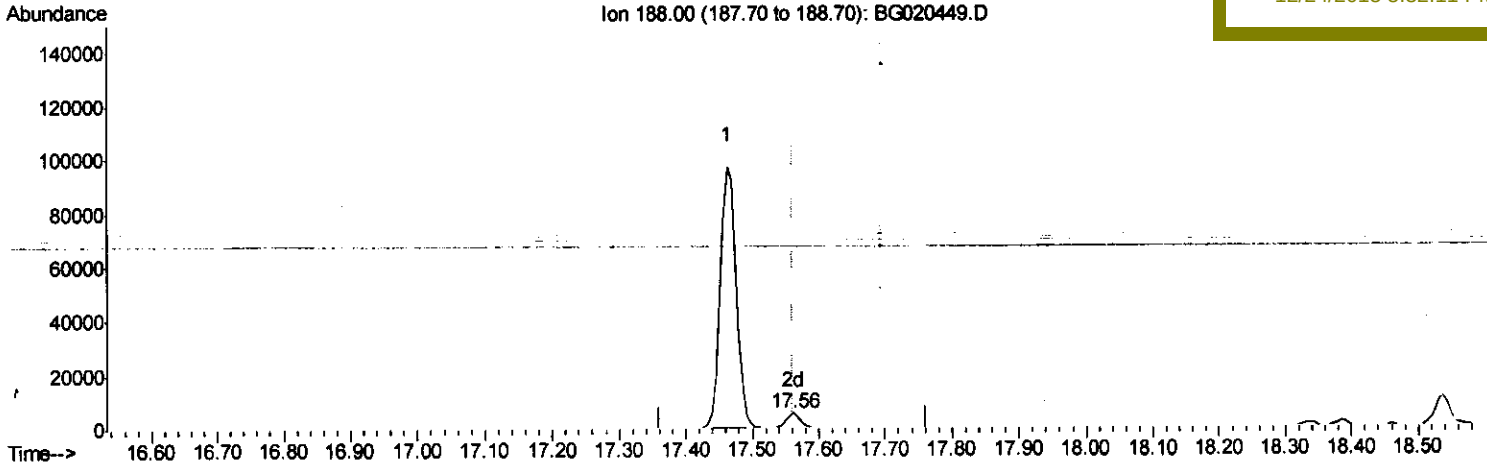
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122215\  
 Data File : BG020449.D  
 Acq On : 23 Dec 2015 18:48  
 Operator : UM/SJ  
 Sample : G4848-04DL 30X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 D9N50DL

Quant Time: Dec 24 02:49:57 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
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Manual Integrations  
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(71) Anthracene-d10 (S)

17.562min (+0.001) 1.02ng/ul m *U.M*  
*12/31/15*

response 7602

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 7.70 | 8.19  |
| 80.00  | 7.50 | 5.93# |
| 0.00   | 0.00 | 0.00  |

# Quantitation Report (Qedit)

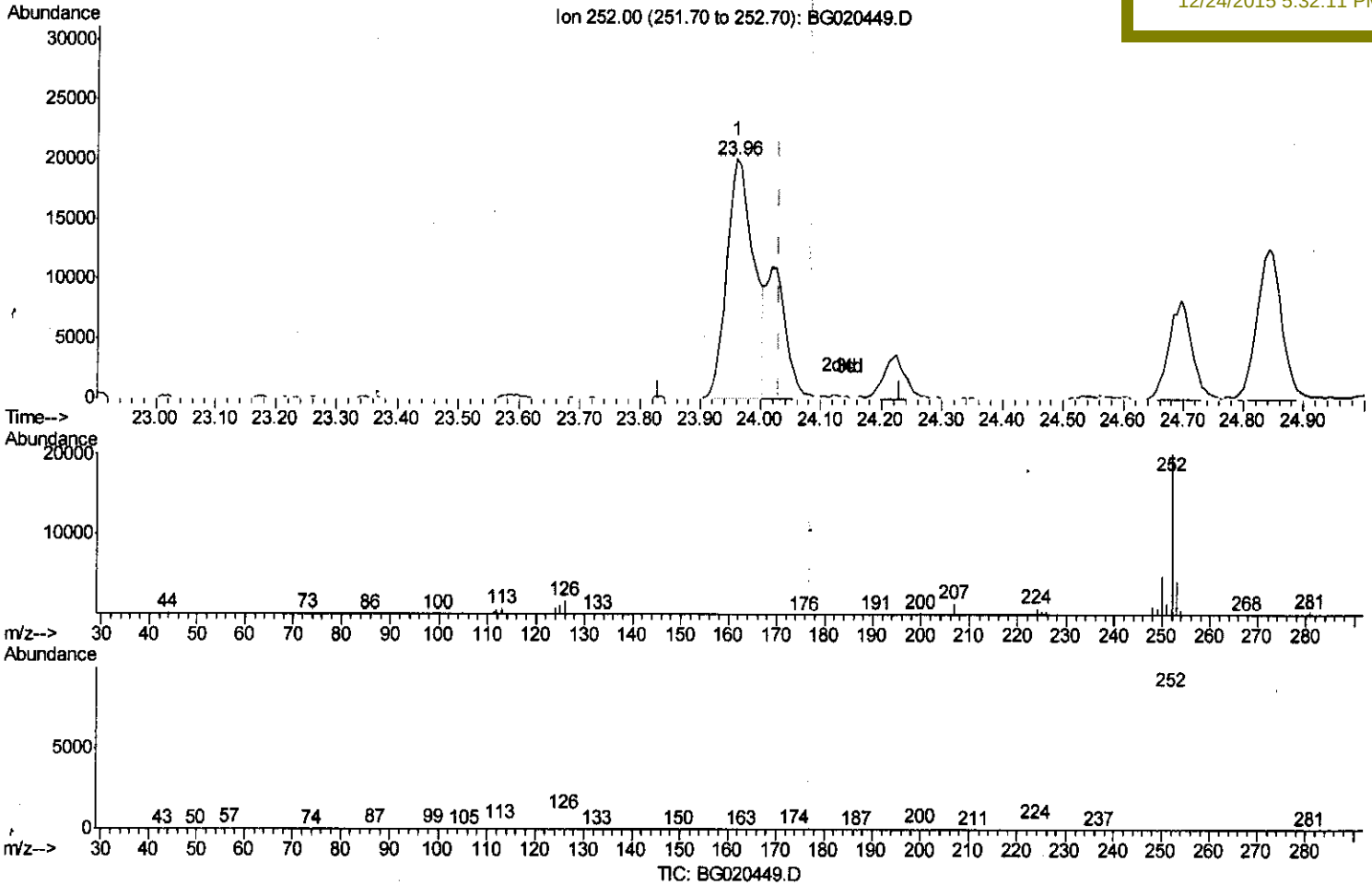
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122215\  
 Data File : BG020449.D  
 Acq On : 23 Dec 2015 18:48  
 Operator : UM/SJ  
 Sample : G4848-04DL 30X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 24 03:03:58 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 24 02:43:25 2015  
 Response via : Initial Calibration

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N50DL

Manual Integrations  
 APPROVED

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(89) Benzo(k)fluoranthene

23.960min (-0.070) 5.55ng/ul

response 61605

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.40 | 21.51 |
| 125.00 | 7.20  | 6.40  |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

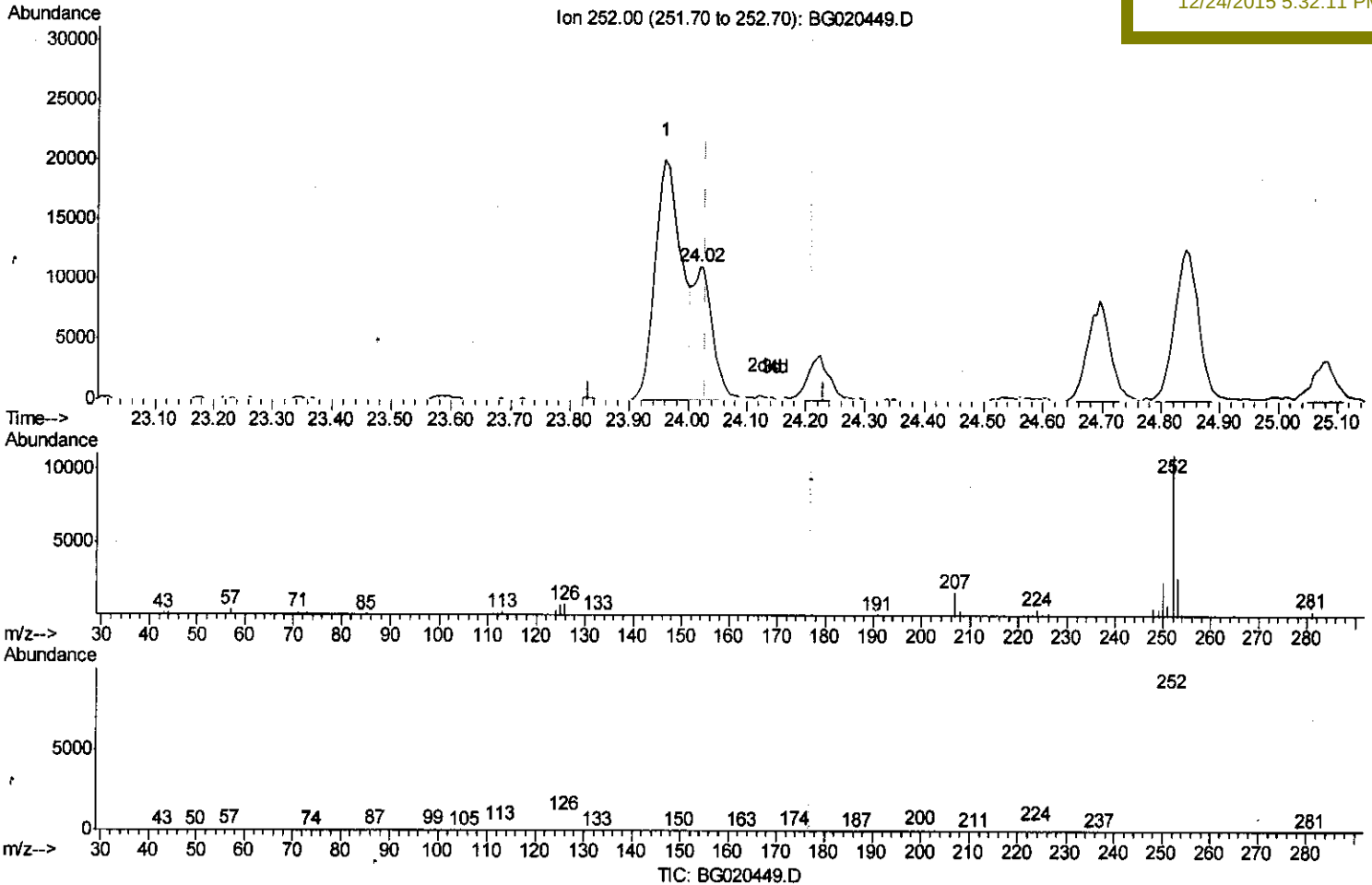
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122215\  
 Data File : BG020449.D  
 Acq On : 23 Dec 2015 18:48  
 Operator : UM/SJ  
 Sample : G4848-04DL 30X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 Client Sampled :  
 D9N50DL

Quant Time: Dec 24 03:03:58 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 24 02:43:25 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 12/24/2015 5:32:11 PM



(89) Benzo(k)fluoranthene

24.019min (-0.011) 2.40ng/ul m

response 26616

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.40 | 24.18 |
| 125.00 | 7.20  | 7.26  |
| 0.00   | 0.00  | 0.00  |

*0.1m*  
*12/21/15*

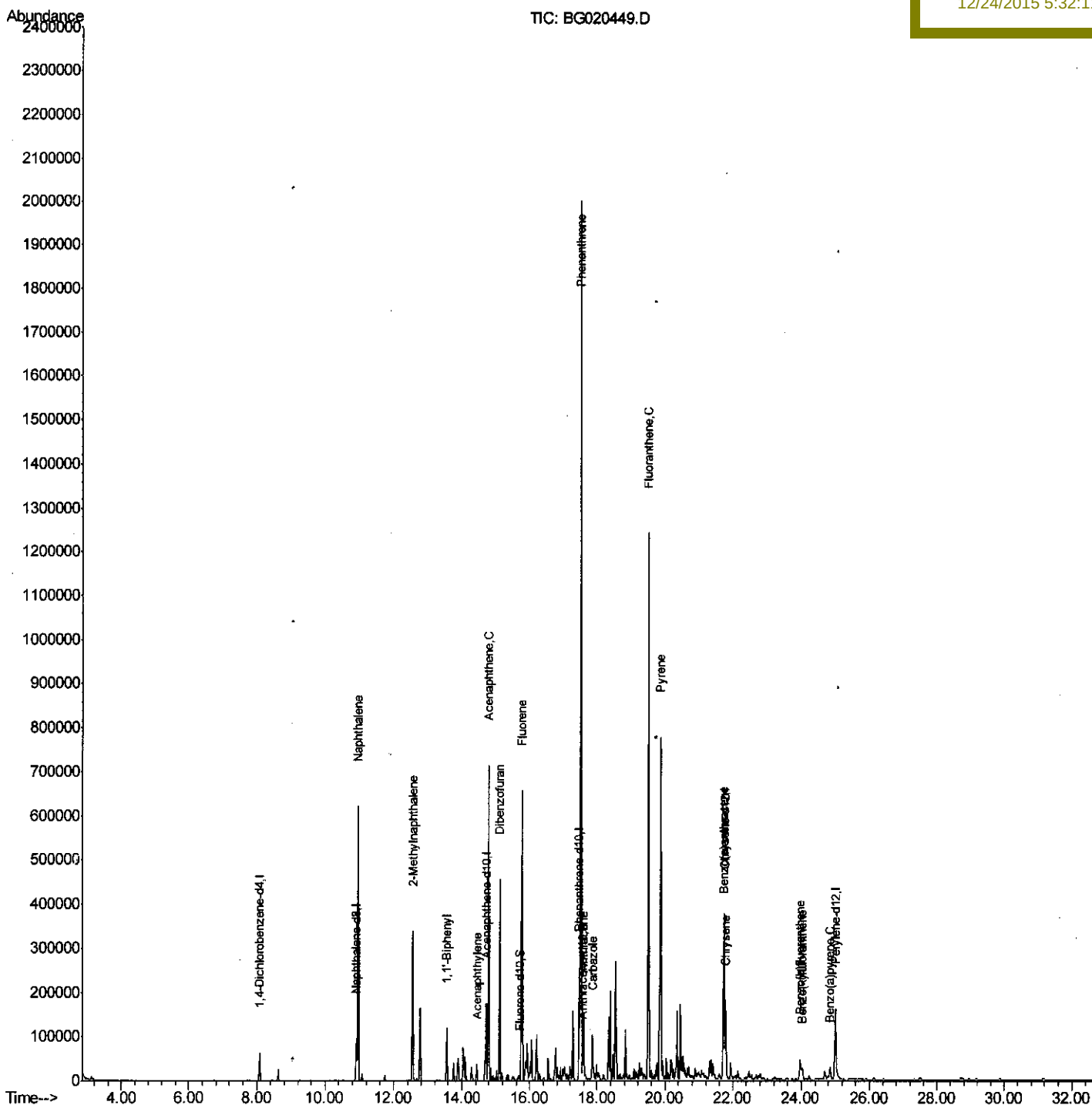
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\  
Data File : BG020449.D  
Acq On : 23 Dec 2015 18:48  
Operator : UM/SJ  
Sample : G4848-04DL 30X  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
D9N50DL

Quant Time: Dec 24 03:05:28 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 24 02:43:25 2015  
Response via : Initial Calibration

Manual Integrations  
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Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\  
 Data File : BG020449.D  
 Acq On : 23 Dec 2015 18:48  
 Operator : UM/SJ  
 Sample : G4848-04DL 30X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N50DL

Quant Time: Dec 24 03:05:28 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
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 12/24/2015 5:32:11 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 20100    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.90 | 136  | 85248    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.72 | 164  | 63530    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.46 | 188  | 161487   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.73 | 240  | 200980   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.01 | 264  | 192337   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 7.24  | 99  | 829   | 0.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 572   | 0.54 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.61  | 132 | 827   | 0.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.79  | 113 | 706   | 0.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.26  | 128 | 369   | 0.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.97  | 143 | 370   | 0.50 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.52 | 165 | 883   | 0.59 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.03 | 131 | 1156  | 0.69 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.11 | 166 | 5130  | 1.00 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.41 | 160 | 5448  | 0.91 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.95 | 143 | 130   | 0.14 | ng/ul | 0.03 |
| 58) Fluorene-d10               | 15.71 | 176 | 4736  | 1.02 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 65    | 0.07 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.56 | 188 | 7602m | 1.02 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.84 | 212 | 8694  | 0.93 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.77 | 264 | 9177  | 0.96 | ng/ul | 0.00 |

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## Target Compounds

|                          |       |     |         |        |        | Ovalue |
|--------------------------|-------|-----|---------|--------|--------|--------|
| 28) Naphthalene          | 10.95 | 128 | 531737  | 119.44 | ng/ul  | 97     |
| 34) 2-Methylnaphthalene  | 12.55 | 142 | 163234  | 48.00  | ng/ul  | 98     |
| 41) 1,1'-Biphenyl        | 13.55 | 154 | 64363   | 13.43  | ng/ul  | 95     |
| 48) Acenaphthylene       | 14.44 | 152 | 19046   | 3.00   | ng/ul# | 93     |
| 50) Acenaphthene         | 14.78 | 153 | 298323  | 69.81  | ng/ul  | 98     |
| 54) Dibenzofuran         | 15.11 | 168 | 311383  | 48.98  | ng/ul  | 100    |
| 59) Fluorene             | 15.76 | 166 | 302413  | 59.24  | ng/ul  | 99     |
| 70) Phenanthrene         | 17.52 | 178 | 1318123 | 149.23 | ng/ul  | 94     |
| 72) Anthracene           | 17.60 | 178 | 99286   | 11.08  | ng/ul  | 99     |
| 75) Carbazole            | 17.86 | 167 | 65590   | 8.71   | ng/ul  | 100    |
| 77) Fluoranthene         | 19.51 | 202 | 833041  | 80.70  | ng/ul  | 99     |
| 80) Pyrene               | 19.87 | 202 | 556272  | 45.73  | ng/ul  | 99     |
| 83) Benzo(a)anthracene   | 21.72 | 228 | 142877  | 12.18  | ng/ul  | 99     |
| 85) Chrysene             | 21.78 | 228 | 114151  | 10.34  | ng/ul  | 96     |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 61605   | 5.32   | ng/ul  | 98     |
| 89) Benzo(k)fluoranthene | 24.02 | 252 | 26616m  | 2.40   | ng/ul  |        |
| 91) Benzo(a)pyrene       | 24.84 | 252 | 35288   | 3.22   | ng/ul# | 94     |

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