

# Quantitation Report (Qedit)

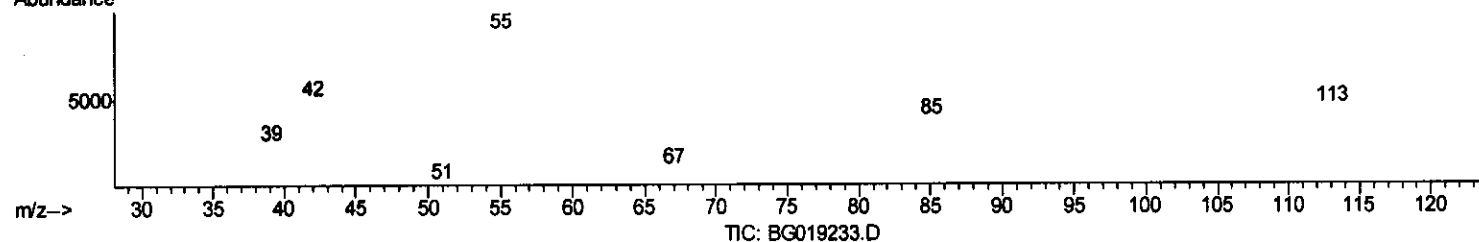
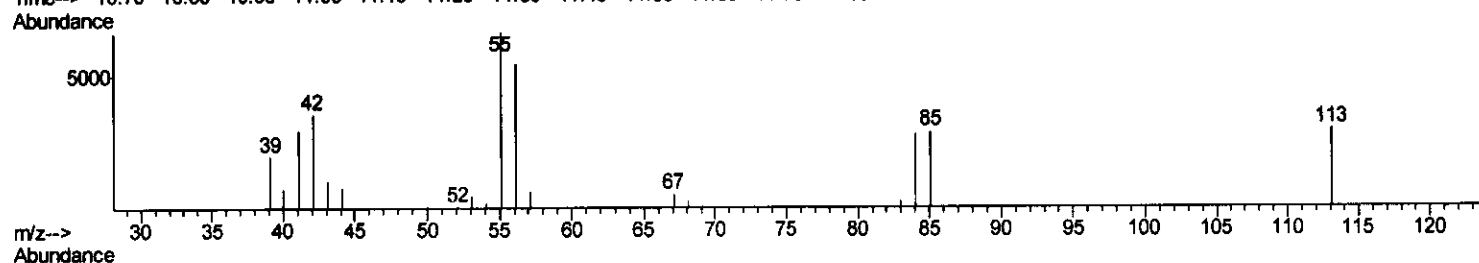
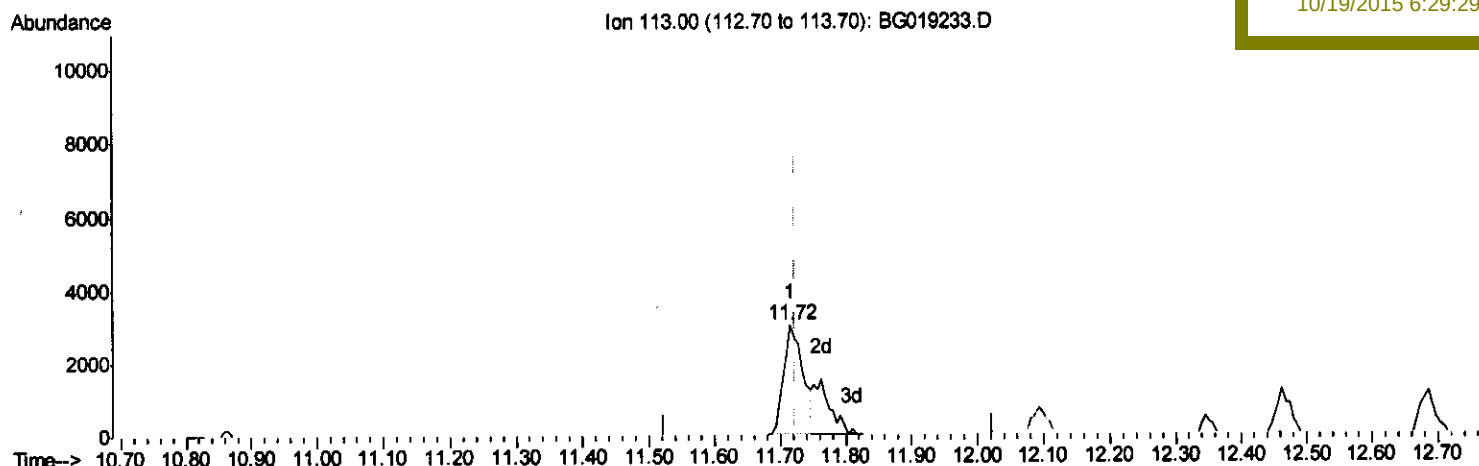
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\  
 Data File : BG019233.D  
 Acq On : 16 Oct 2015 21:21  
 Operator : UM/NP  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02013

Quant Time: Oct 17 06:34:43 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 17 06:30:39 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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(32) Caprolactam

11.716min (-0.007) 13.75ng/ui

response 6102

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 211.60 | 218.66 |
| 56.00  | 157.30 | 180.34 |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

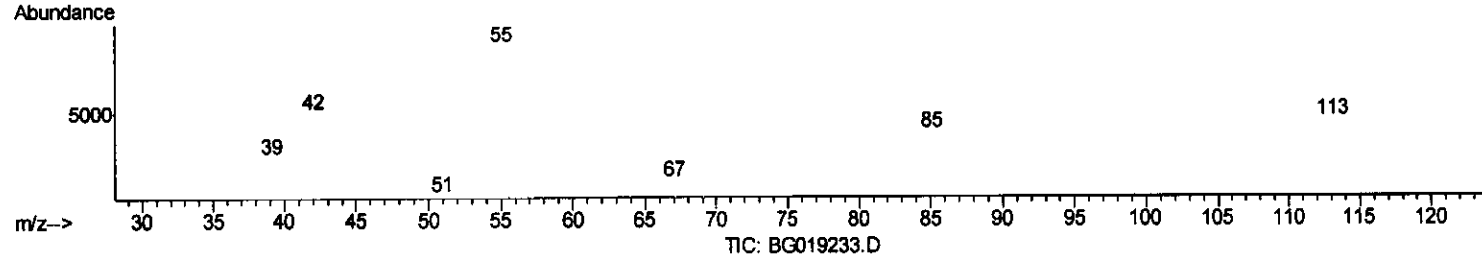
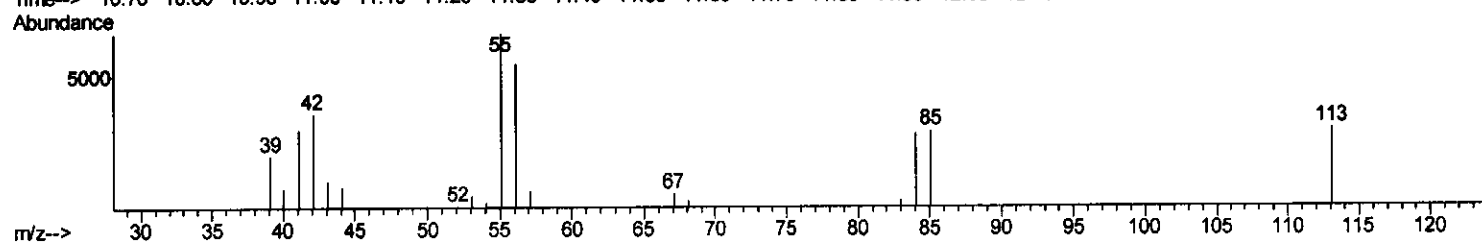
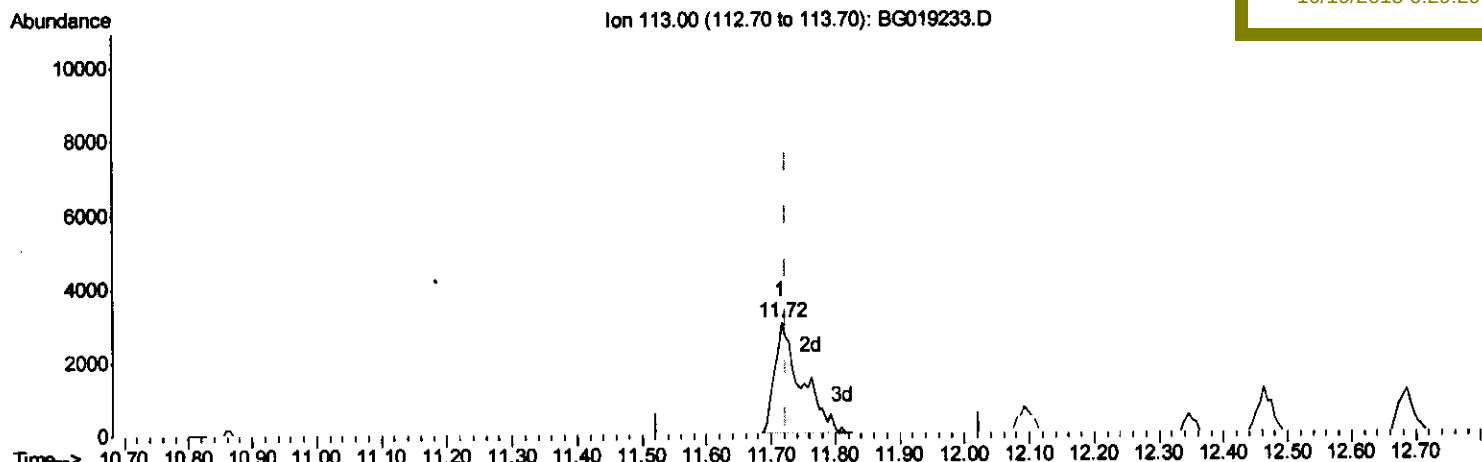
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\  
 Data File : BG019233.D  
 Acq On : 16 Oct 2015 21:21  
 Operator : UM/NP  
 Sample : SSTDCCC020  
 Misc :  
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Instrument :  
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 10/19/2015 6:29:29 PM



(32) Caprolactam

11.716min (-0.007) 19.71ng/ul m

response 8747

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 211.60 | 218.66 |
| 56.00  | 157.30 | 180.34 |
| 0.00   | 0.00   | 0.00   |

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 10/17/15

## Quantitation Report (Qedit)

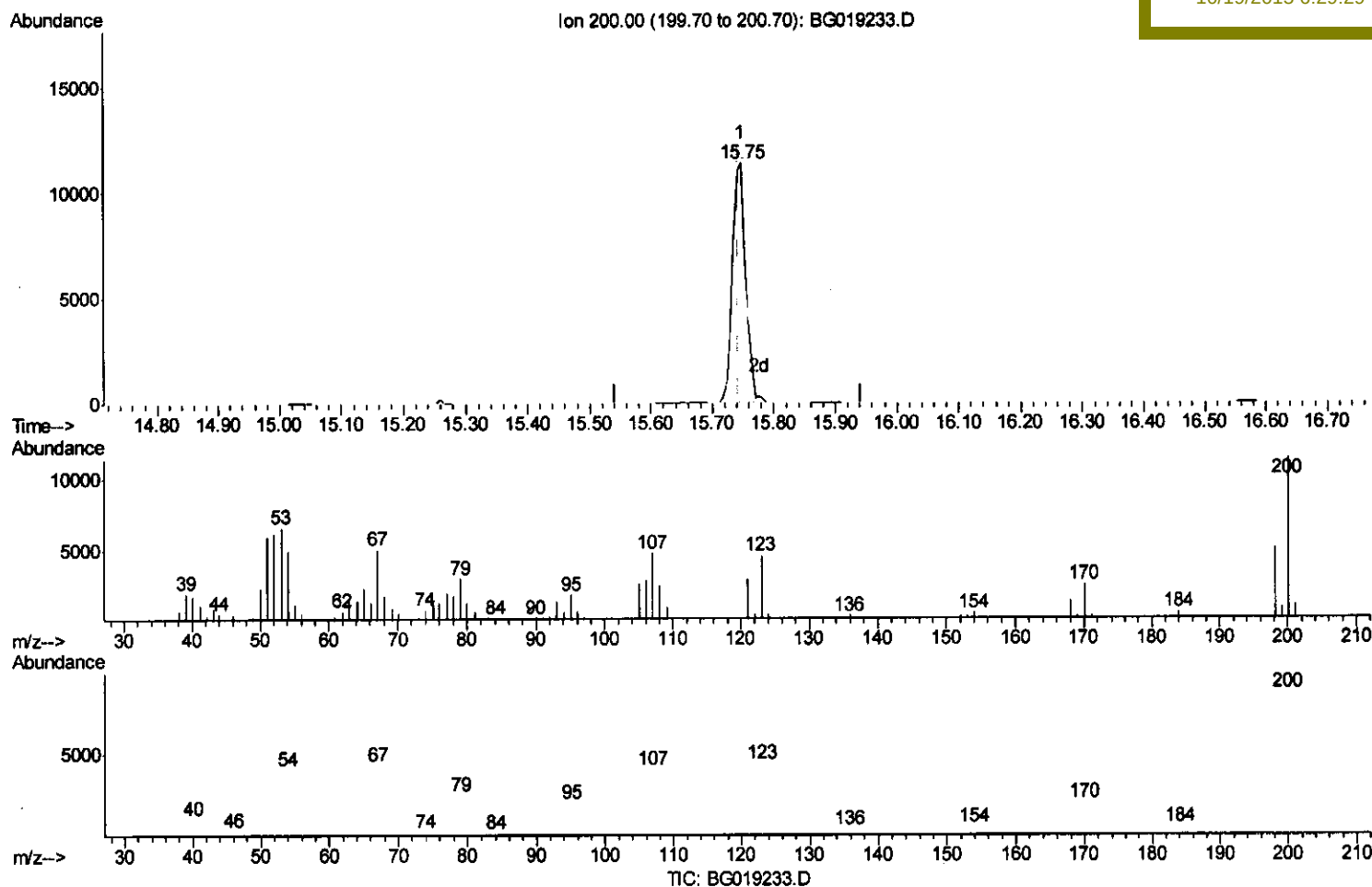
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\  
Data File : BG019233.D  
Acq On : 16 Oct 2015 21:21  
Operator : UM/NP  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02013

Quant Time: Oct 17 06:34:43 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 17 06:30:39 2015  
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Manual Integrations  
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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.747min (+0.005) 19.71ng/ul

response 16890

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 17.70 | 22.31# |
| 52.00  | 46.30 | 54.24  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

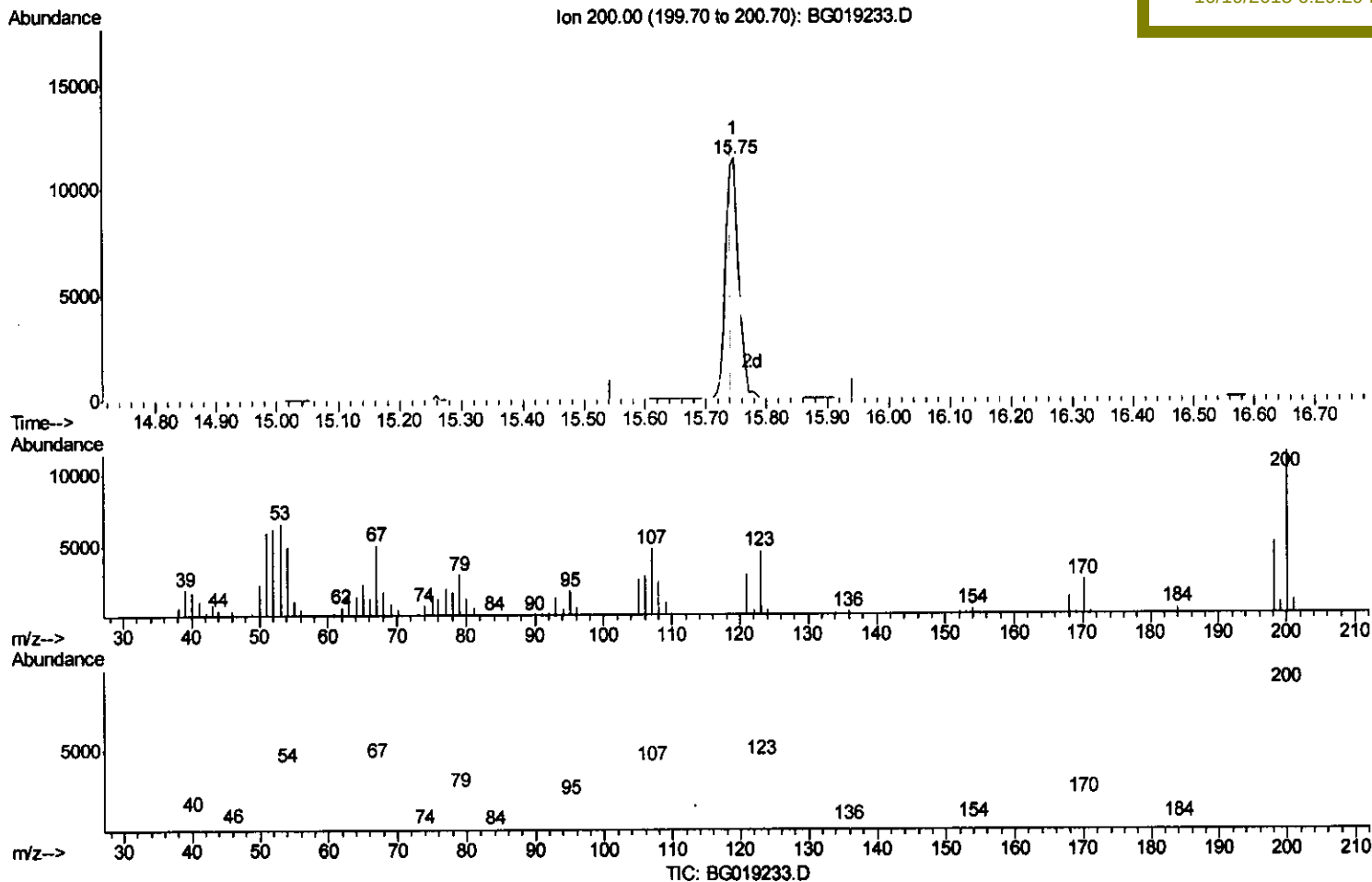
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\  
 Data File : BG019233.D  
 Acq On : 16 Oct 2015 21:21  
 Operator : UM/NP  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02013

Quant Time: Oct 17 06:34:43 2015  
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Manual Integrations  
 APPROVED

MMdadoda  
 10/19/2015 6:29:29 PM



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.747min (+0.005) 19.92ng/ul m

response 17067

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 17.70 | 22.31# |
| 52.00  | 46.30 | 54.24  |
| 0.00   | 0.00  | 0.00   |

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 10/17/15

(OT Reviewed)

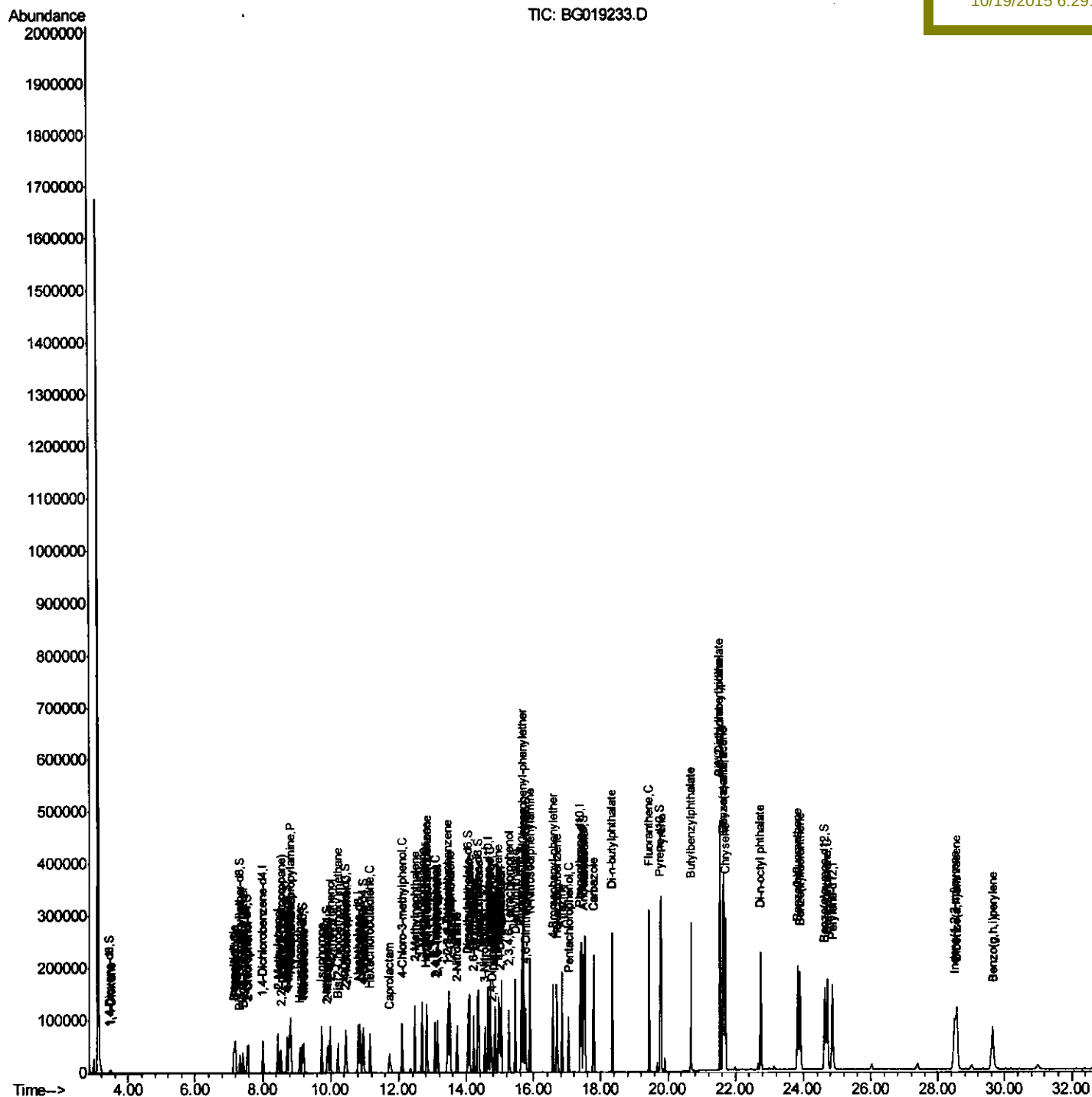
```
Data Path   : Z:\HPCHEM1\BNA G\DATA\BG101615\  
Data File   : BG019233.D  
Acq On      : 16 Oct 2015   21:21  
Operator    : UM/NP  
Sample      : SSTDCCC020  
Misc        :  
ALS Vial    : 2      Sample Multiplier: 1
```

**Instrument :**  
BNA\_G  
**LabSampleId :**  
SSTD02013

Quant Time: Oct 17 07:27:33 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M  
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## Manual Integrations

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Misc :  
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QLast Update : Sat Oct 17 06:30:39 2015  
Response via : Initial Calibration

| Internal Standards                                                          | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                       |      |      |          |      |       |          |
| (# ) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

Instrument :  
BNA\_G  
LabSampleId :  
SSTD02013

Manual Integrations  
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Manual Integrations  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.69 | 142  | 58596    | 19.70 | ng/ul# | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216  | 34422    | 20.12 | ng/ul# | 96       |
| 38) Hexachlorocyclopentadiene  | 12.81 | 237  | 18002    | 17.69 | ng/ul  | 93       |
| 39) 2,4,6-Trichlorophenol      | 13.07 | 196  | 21996    | 20.67 | ng/ul  | 98       |
| 40) 2,4,5-Trichlorophenol      | 13.14 | 196  | 24858    | 21.24 | ng/ul  | 95       |
| 41) 1,1'-Biphenyl              | 13.47 | 154  | 82228    | 19.73 | ng/ul  | 96       |
| 42) 2-Chloronaphthalene        | 13.51 | 162  | 63124    | 19.59 | ng/ul  | 94       |
| 43) 2-Nitroaniline             | 13.71 | 65   | 25405    | 20.15 | ng/ul  | 96       |
| 45) Dimethylphthalate          | 14.09 | 163  | 92488    | 19.66 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 14.21 | 165  | 18797    | 20.96 | ng/ul# | 87       |
| 48) Acenaphthylene             | 14.36 | 152  | 110431   | 19.84 | ng/ul  | 100      |
| 49) 3-Nitroaniline             | 14.54 | 138  | 18186    | 21.16 | ng/ul  | 82       |
| 50) Acenaphthene               | 14.70 | 153  | 74453    | 19.98 | ng/ul  | 98       |
| 51) 2,4-Dinitrophenol          | 14.74 | 184  | 9760     | 19.01 | ng/ul  | 92       |
| 53) 4-Nitrophenol              | 14.85 | 109  | 20126    | 21.94 | ng/ul# | 74       |
| 54) Dibenzofuran               | 15.04 | 168  | 103988   | 19.74 | ng/ul# | 87       |
| 55) 2,4-Dinitrotoluene         | 14.99 | 165  | 29587    | 20.33 | ng/ul# | 95       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.26 | 232  | 22997    | 20.44 | ng/ul  | 95       |
| 57) Diethylphthalate           | 15.45 | 149  | 92365    | 18.92 | ng/ul  | 96       |
| 59) Fluorene                   | 15.69 | 166  | 87160    | 19.34 | ng/ul  | 94       |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204  | 44974    | 19.35 | ng/ul# | 88       |
| 61) 4-Nitroaniline             | 15.70 | 138  | 20983    | 20.61 | ng/ul# | 71       |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198  | 17326    | 20.02 | ng/ul# | 90       |
| 65) N-Nitrosodiphenylamine     | 15.89 | 169  | 77253    | 20.24 | ng/ul  | 93       |
| 66) 4-Bromophenyl-phenylether  | 16.57 | 248  | 30962    | 19.72 | ng/ul  | 94       |
| 67) Hexachlorobenzene          | 16.69 | 284  | 35513    | 19.52 | ng/ul  | 98       |
| 68) Atrazine                   | 16.84 | 200  | 36916    | 20.12 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 17.03 | 266  | 18963    | 20.28 | ng/ul  | 92       |
| 70) Phenanthrene               | 17.43 | 178  | 150901   | 19.46 | ng/ul  | 99       |
| 72) Anthracene                 | 17.52 | 178  | 153668   | 19.51 | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.44 | 216  | 34788    | 20.55 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 14.95 | 250  | 36694    | 19.80 | ng/uL  | 95       |
| 75) Carbazole                  | 17.79 | 167  | 139107   | 20.48 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 18.34 | 149  | 169478   | 18.95 | ng/ul# | 98       |
| 77) Fluoranthene               | 19.43 | 202  | 198358   | 20.44 | ng/ul# | 92       |
| 80) Pylene                     | 19.79 | 202  | 205067   | 19.67 | ng/ul# | 93       |
| 81) Butylbenzylphthalate       | 20.68 | 149  | 77877    | 20.54 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.55 | 252  | 62665    | 19.53 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.63 | 228  | 196424   | 19.80 | ng/ul  | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149  | 108336   | 20.68 | ng/ul  | 94       |
| 85) Chrysene                   | 21.69 | 228  | 180390   | 19.23 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.74 | 149  | 183836   | 20.50 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.84 | 252  | 191832   | 20.07 | ng/ul# | 95       |
| 89) Benzo(k)fluoranthene       | 23.90 | 252  | 188121   | 20.06 | ng/ul# | 96       |
| 91) Benzo(a)pyrene             | 24.70 | 252  | 184430   | 20.06 | ng/ul# | 95       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.50 | 276  | 212995   | 19.52 | ng/ul# | 94       |
| 93) Dibenzo(a,h)anthracene     | 28.56 | 278  | 185889   | 19.54 | ng/ul# | 94       |
| 94) Benzo(a,h,i)perylene       | 29.64 | 276  | 165734   | 18.46 | ng/ul# | 93       |

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 16053    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.81 | 136  | 73299    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.64 | 164  | 53379    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.39 | 188  | 138868   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.65 | 240  | 175627   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.85 | 264  | 168540   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 2280   | 7.91  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.17  | 99  | 27684  | 19.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 17200  | 19.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.54  | 132 | 20902  | 20.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.71  | 113 | 23293  | 19.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.17  | 128 | 11298  | 20.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 12740  | 21.26 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.44 | 165 | 24392  | 20.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.95 | 131 | 32483  | 21.25 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.04 | 166 | 90540  | 19.39 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.33 | 160 | 99186  | 19.65 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.84 | 143 | 17598  | 20.97 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.63 | 176 | 77406  | 19.40 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.75 | 200 | 17067m | 19.92 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.48 | 188 | 130045 | 19.82 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.77 | 212 | 155499 | 19.52 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.63 | 264 | 169460 | 19.90 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |       |       |        | Ovalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.48  | 88  | 2546  | 7.50  | ng/uL  | 92     |
| 4) Benzaldehyde                | 7.14  | 77  | 18694 | 22.96 | ng/ul  | 81     |
| 6) Phenol                      | 7.20  | 94  | 28424 | 19.48 | ng/ul# | 77     |
| 8) Bis(2-Chloroethyl)ether     | 7.42  | 93  | 20114 | 19.44 | ng/ul  | 98     |
| 10) 2-Chlorophenol             | 7.57  | 128 | 21423 | 20.43 | ng/ul  | 98     |
| 11) 2-Methylphenol             | 8.45  | 108 | 22316 | 19.49 | ng/ul  | 91     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 38936 | 16.88 | ng/ul# | 93     |
| 14) Acetophenone               | 8.83  | 105 | 38264 | 19.10 | ng/ul  | 96     |
| 15) N-Nitroso-di-n-propylamine | 8.81  | 70  | 20304 | 19.83 | ng/ul  | 98     |
| 16) 4-Methylphenol             | 8.77  | 108 | 26086 | 20.30 | ng/ul  | 99     |
| 17) Hexachloroethane           | 9.09  | 117 | 8863  | 19.64 | ng/ul  | 97     |
| 20) Nitrobenzene               | 9.21  | 77  | 31424 | 20.30 | ng/ul# | 95     |
| 21) Isophorone                 | 9.73  | 82  | 59958 | 19.88 | ng/ul# | 98     |
| 23) 2-Nitrophenol              | 9.92  | 139 | 13224 | 20.76 | ng/ul# | 82     |
| 24) 2,4-Dimethylphenol         | 9.98  | 107 | 31846 | 20.64 | ng/ul  | 90     |
| 25) Bis(2-Chloroethoxy)methane | 10.21 | 93  | 29598 | 19.00 | ng/ul# | 93     |
| 27) 2,4-Dichlorophenol         | 10.46 | 162 | 25645 | 21.39 | ng/ul  | 97     |
| 28) Naphthalene                | 10.86 | 128 | 74459 | 19.43 | ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.97 | 127 | 34278 | 21.76 | ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 11.15 | 225 | 17186 | 19.63 | ng/ul  | 96     |
| 32) Caprolactam                | 11.72 | 113 | 8747m | 19.71 | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.09 | 107 | 31330 | 20.75 | ng/ul  | 93     |
| 34) 2-Methylnaphthalene        | 12.47 | 142 | 59576 | 19.62 | ng/ul  | 95     |