

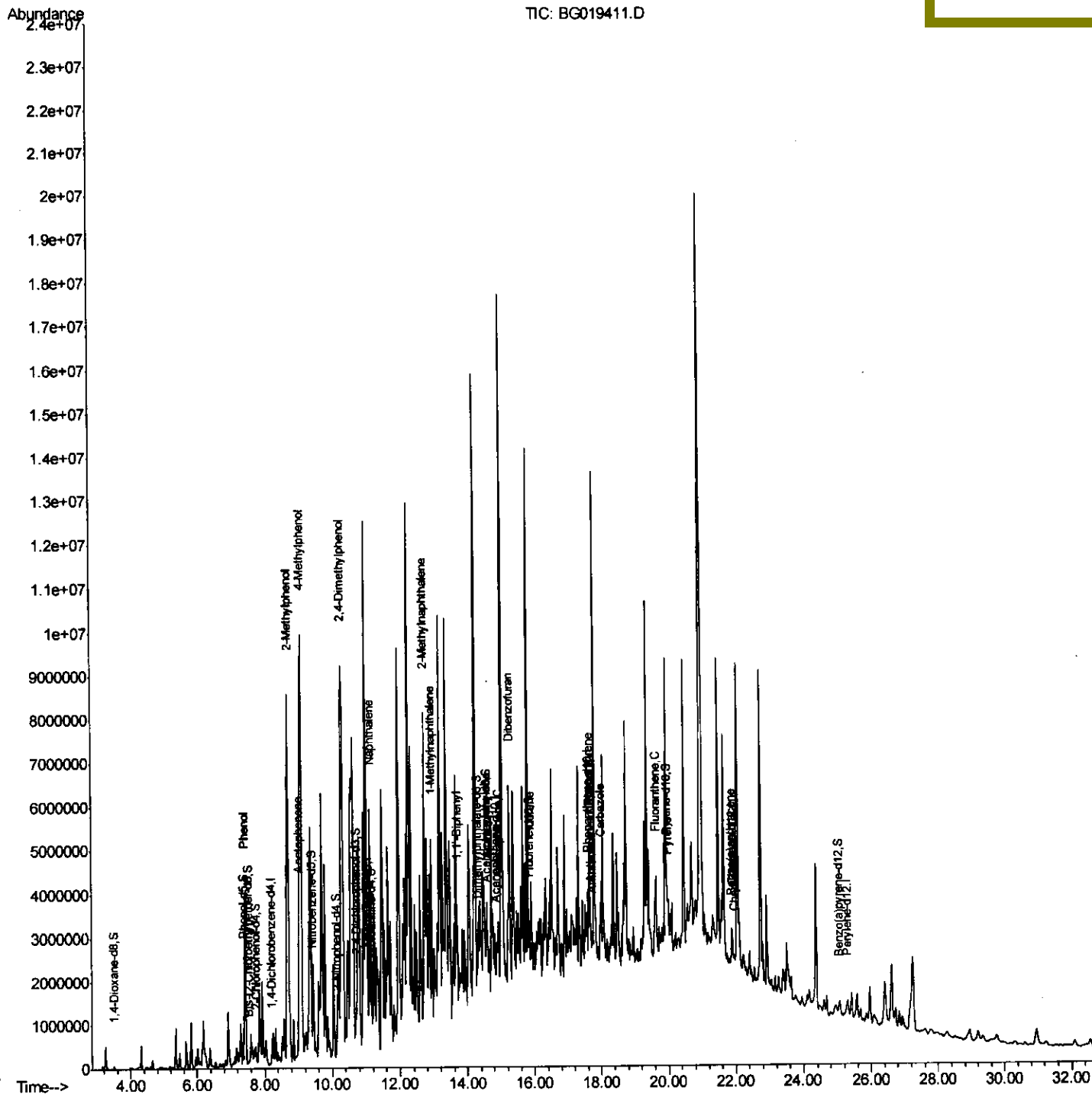
```
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
Data File : BG019411.D  
Acq On    : 29 Oct 2015   10:44  
Operator  : UM/NP  
Sample    : G3996-18RE  
Misc      :  
ALS Vial  : 31      Sample Multiplier: 1
```

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
E5LK7

Quant Time: Oct 30 06:11:29 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 30 02:14:45 2015  
Response via : Initial Calibration

## Manual Integrations

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10/30/2015 6:32:18 PM



# Quantitation Report (Qedit)

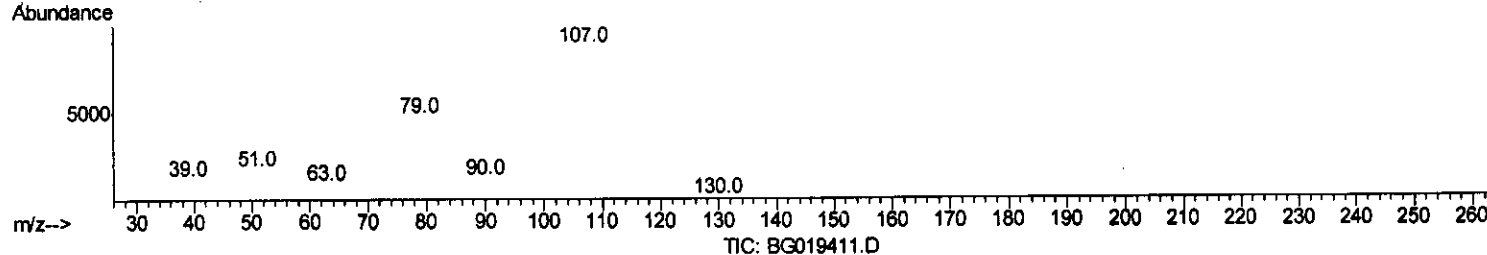
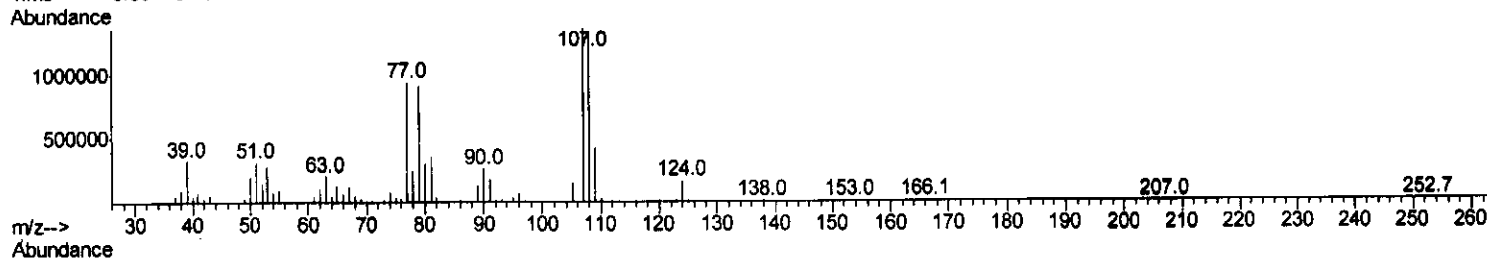
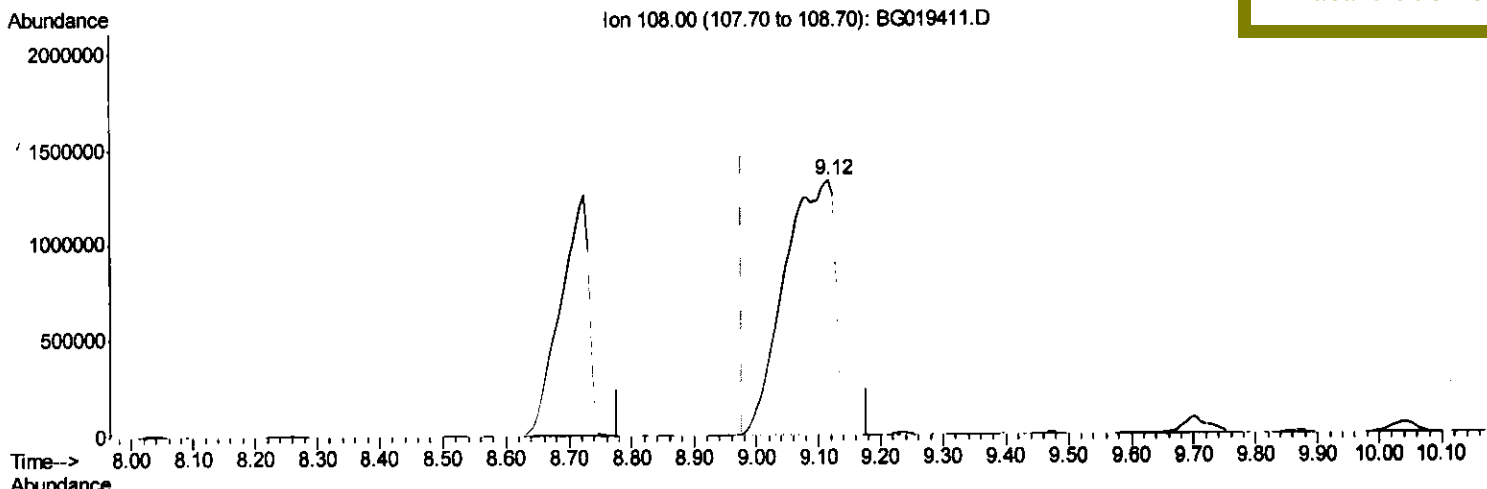
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 10/30/2015 6:32:18 PM



(16) 4-Methylphenol

9.118min (+0.140) 2133.82ng/ul m

response 7393596

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 108.00 | 100    | 100    |
| 107.00 | 106.80 | 102.31 |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

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# Quantitation Report (Qedit)

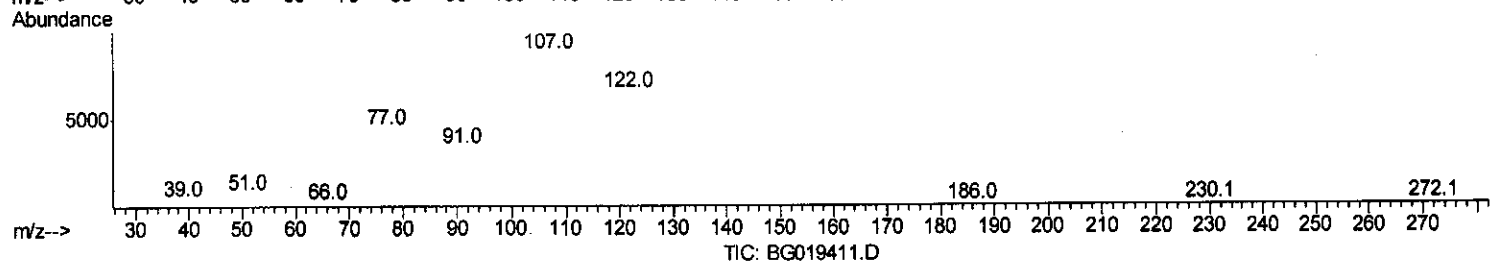
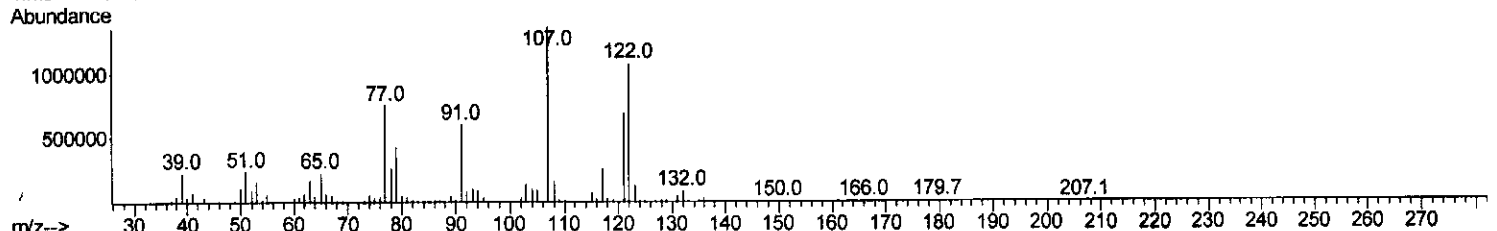
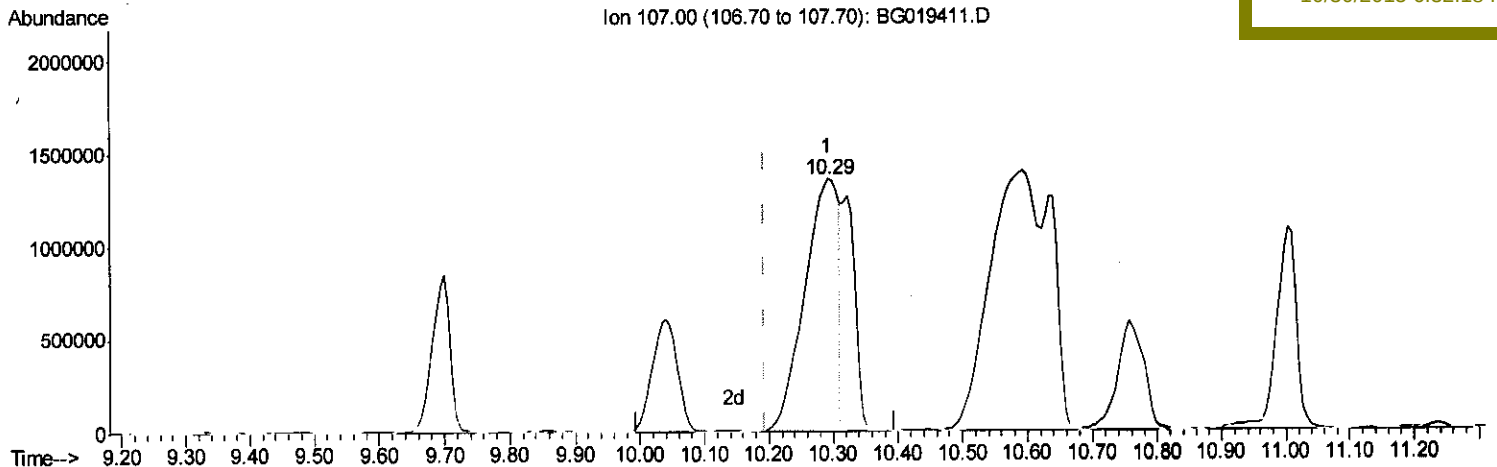
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
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(24) 2,4-Dimethylphenol

10.293min (+0.099) 1144.06ng/ul

response 4999263

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 107.00 | 100   | 100    |
| 121.00 | 41.20 | 50.46# |
| 122.00 | 67.70 | 78.81  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

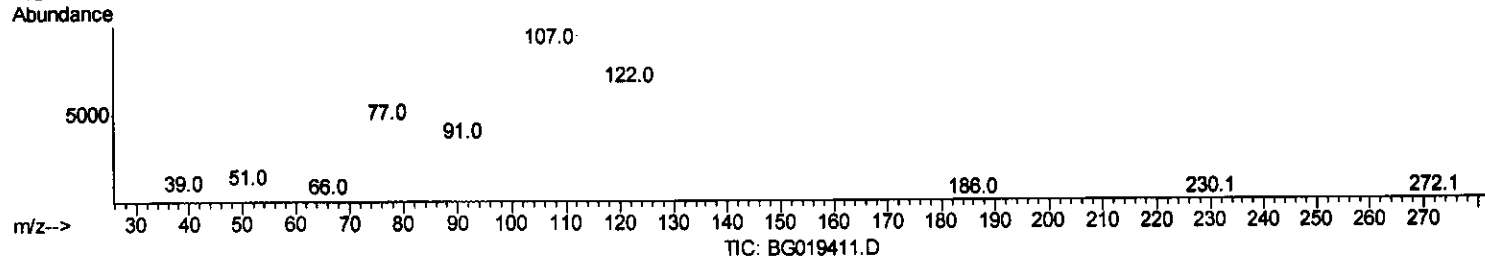
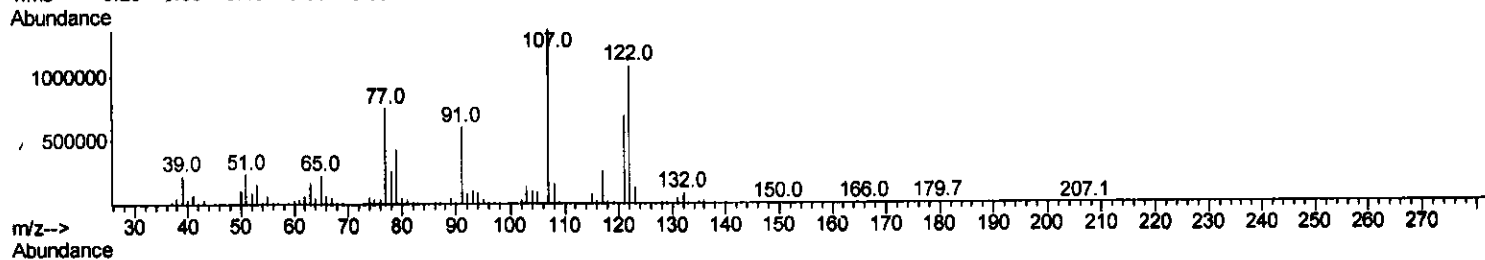
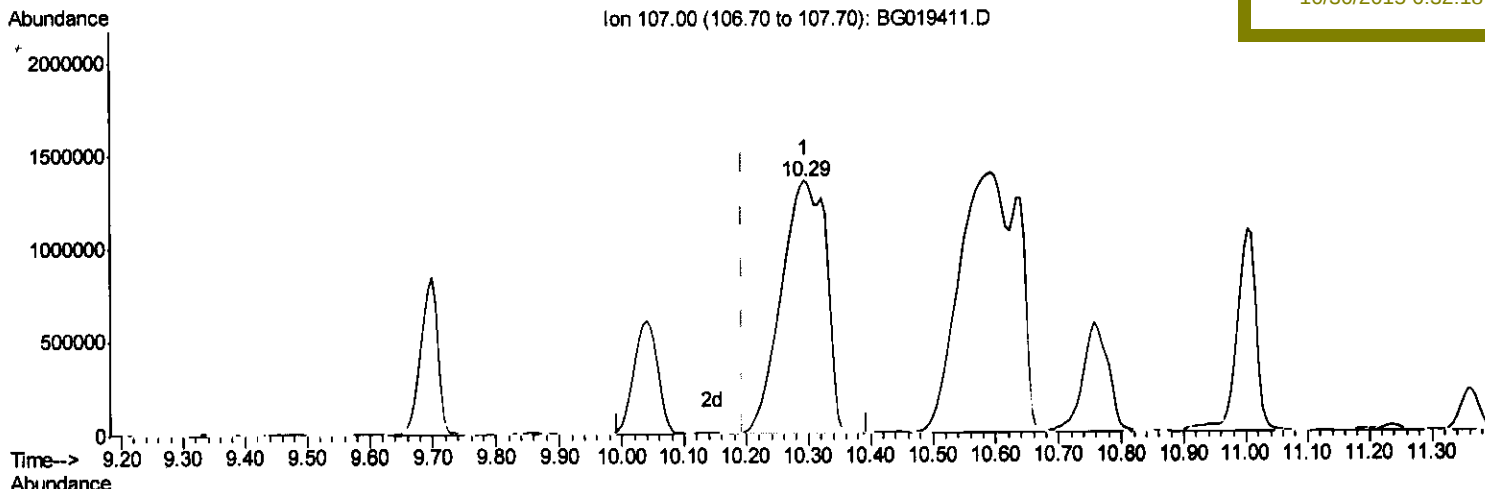
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 10/30/2015 6:32:18 PM



(24) 2,4-Dimethylphenol

10.293min (+0.099) 1563.15ng/ul m

response 6830570

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 107.00 | 100   | 100    |
| 121.00 | 41.20 | 50.46# |
| 122.00 | 67.70 | 78.81  |
| 0.00   | 0.00  | 0.00   |

V.M  
 10/31/15

# Quantitation Report (Qedit)

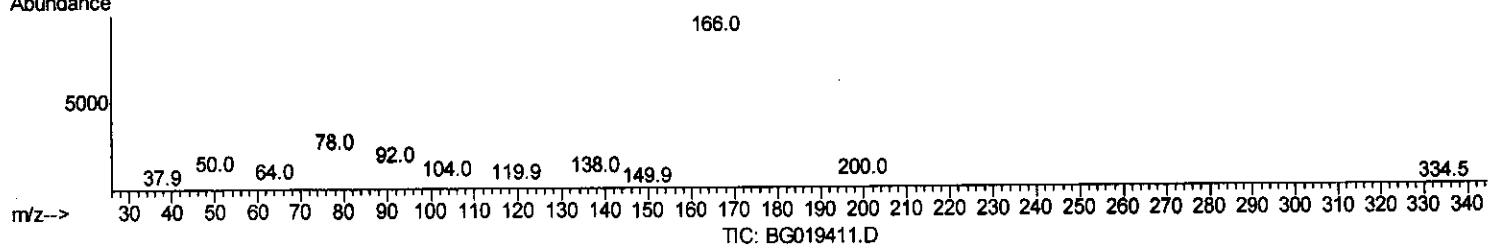
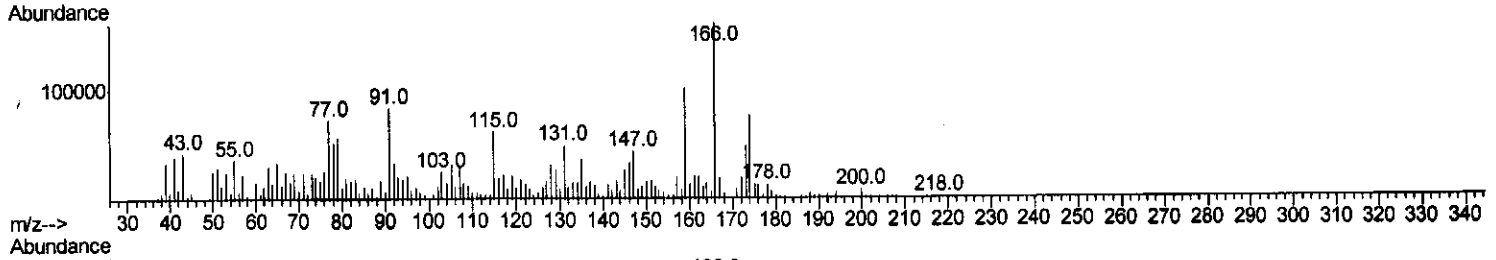
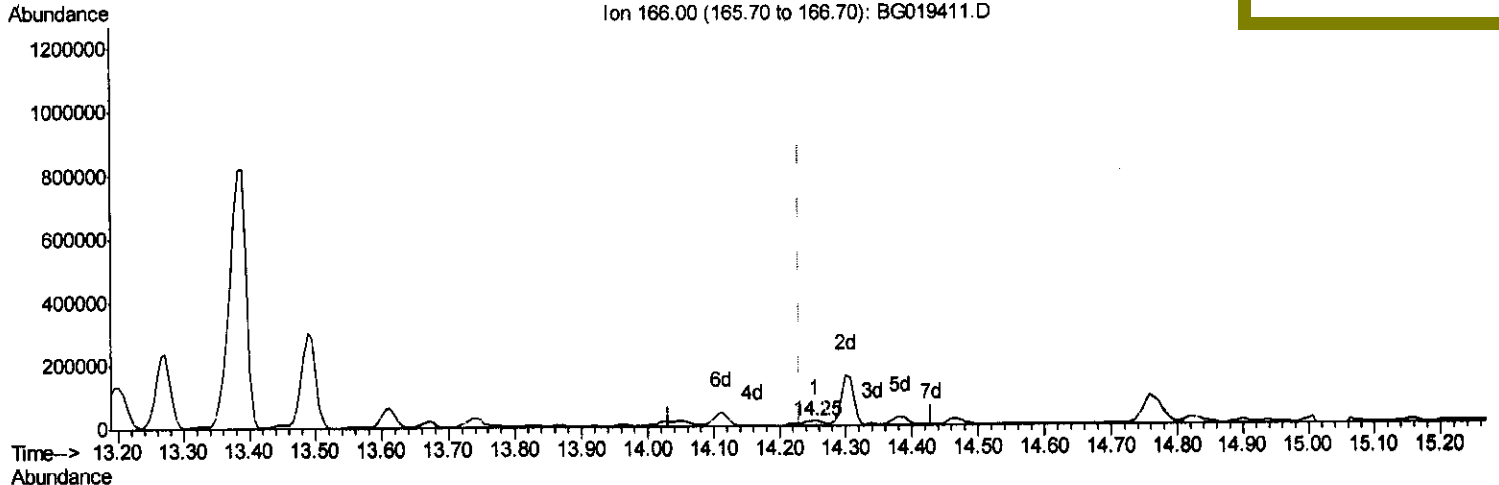
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 10/30/2015 6:32:18 PM



(44) Dimethylphthalate-d6 (S)

14.253min (+0.023) 3.62ng/ul

response 36078

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 166.00 | 100   | 100     |
| 78.00  | 19.20 | 713.19# |
| 0.00   | 0.00  | 0.00    |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

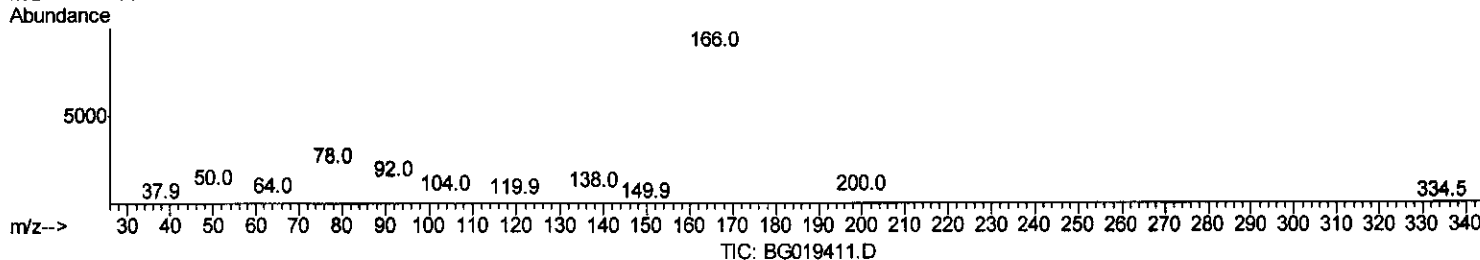
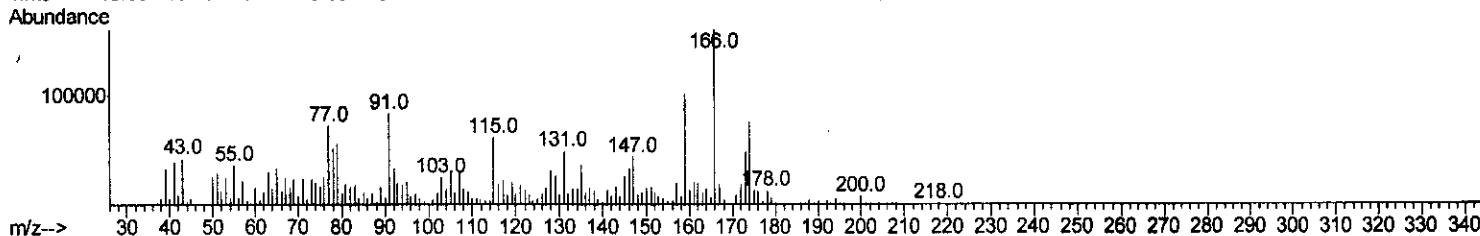
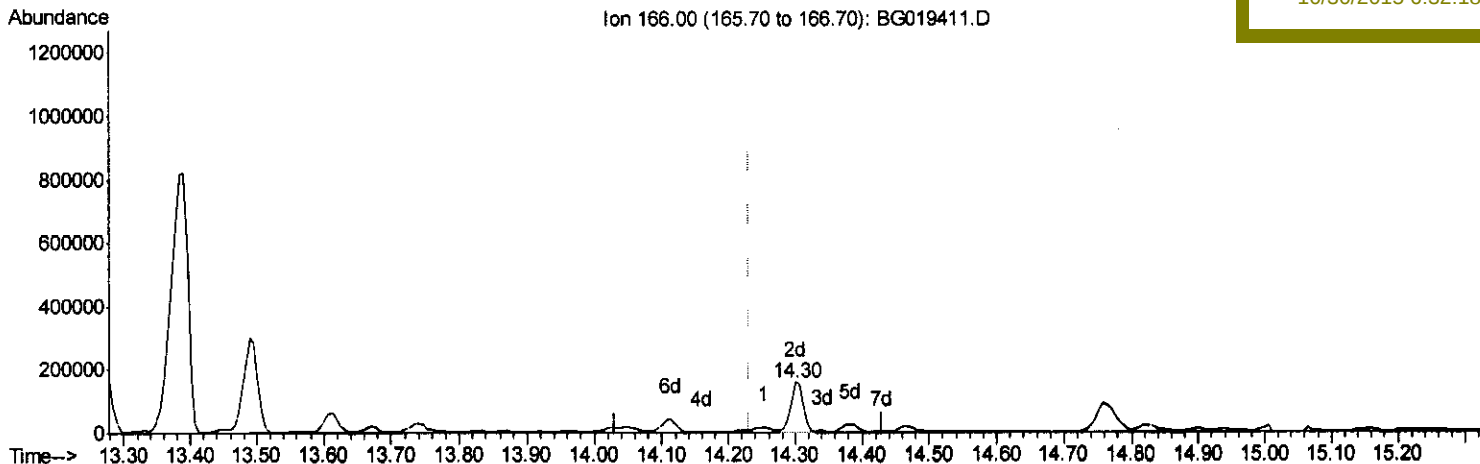
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
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 10/30/2015 6:32:18 PM



(44) Dimethylphthalate-d6 (S)

14.300min (+0.070) 21.47ng/ul m

response 213998

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 10/31/15

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 166.00 | 100   | 100    |
| 78.00  | 19.20 | 32.43# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

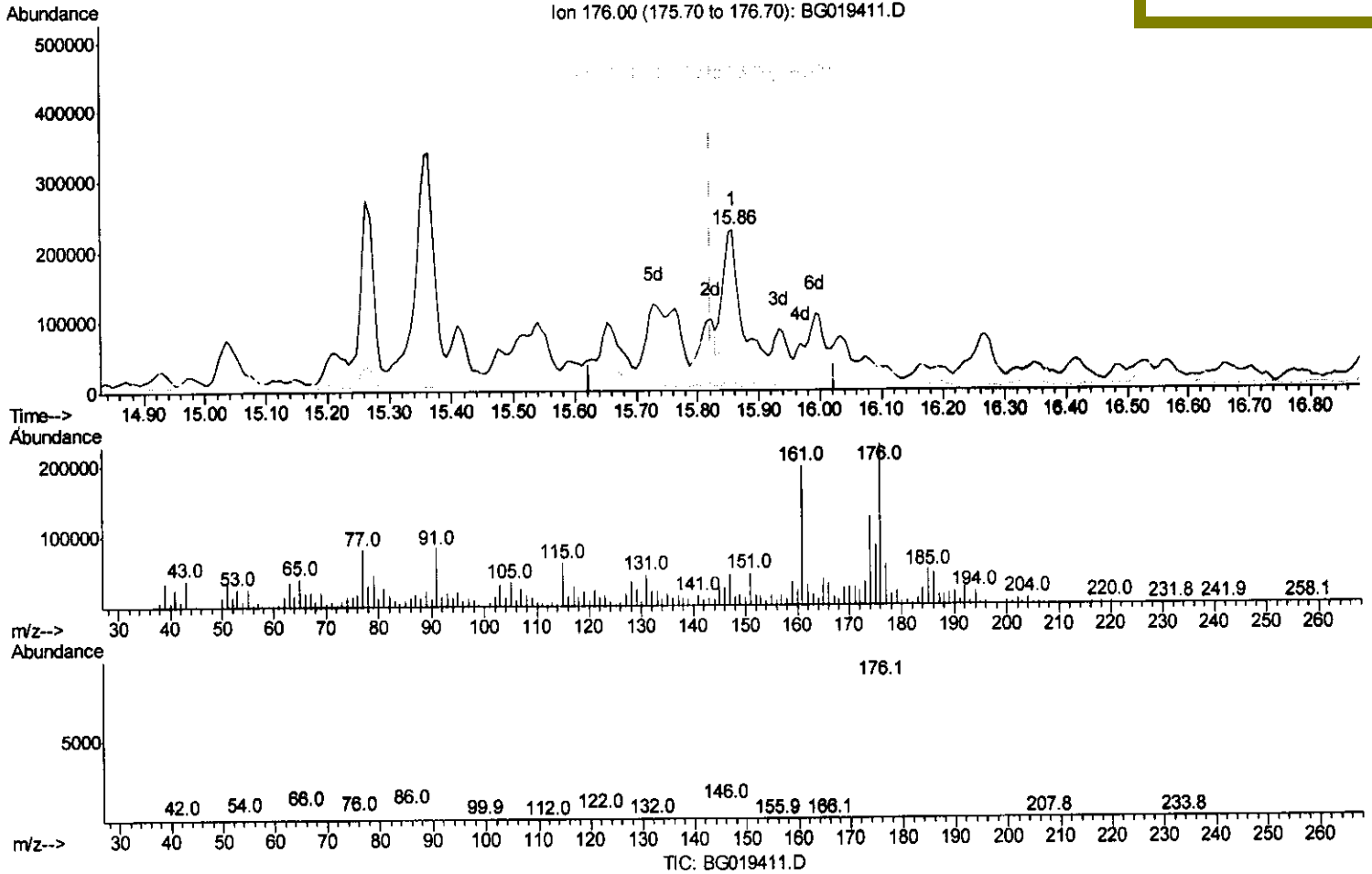
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 10/30/2015 6:32:18 PM



(58) Fluorene-d10 (S)

15.857min (+0.034) 28.59ng/ul

response 263547

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 176.00 | 100   | 100    |
| 174.00 | 88.10 | 54.57# |
| 87.00  | 5.70  | 7.83#  |
| 86.00  | 6.30  | 5.59   |

# Quantitation Report (Qedit)

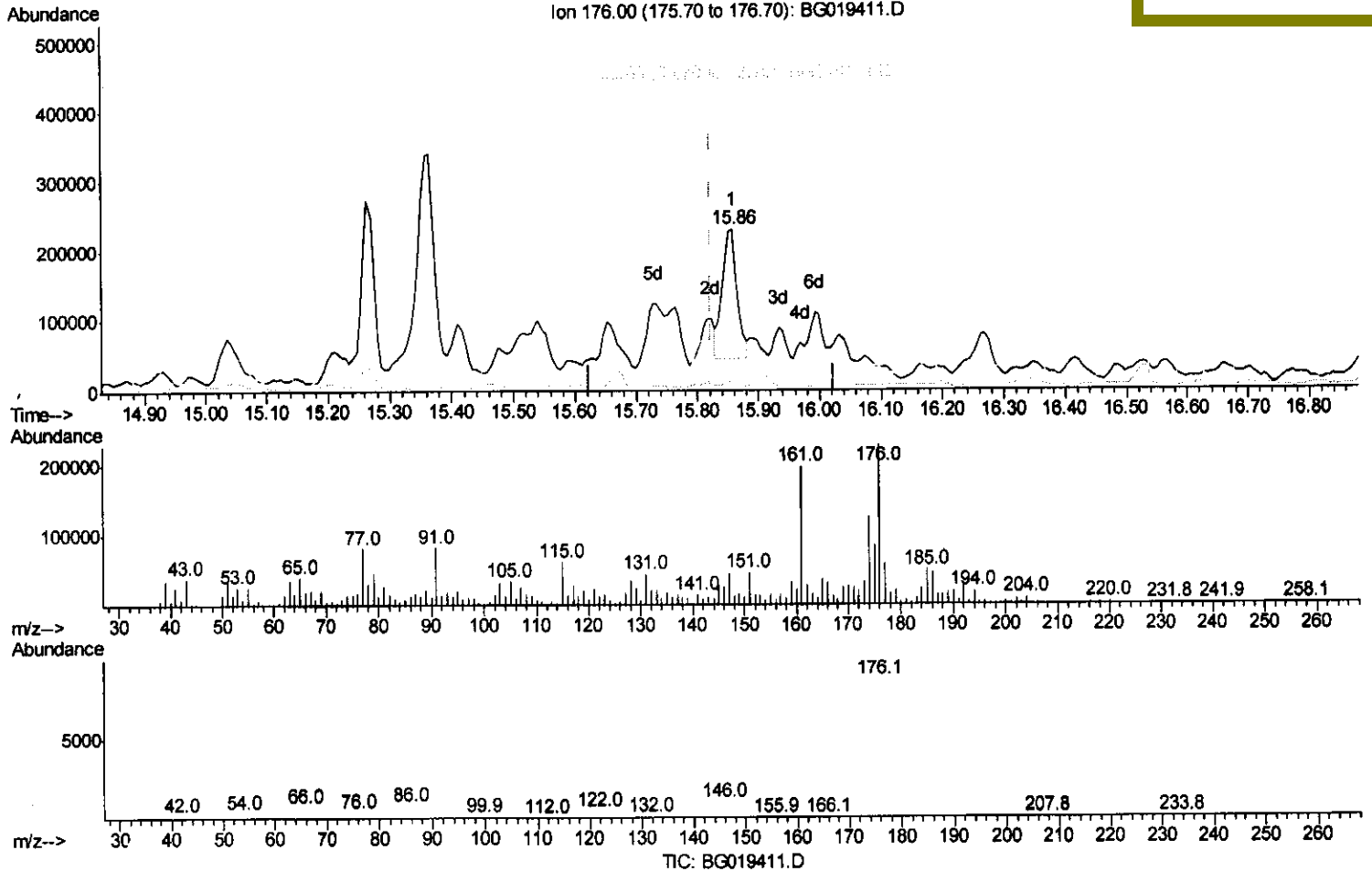
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 Client Sampled :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Mmdadoda  
 10/30/2015 6:32:18 PM



(58) Fluorene-d10 (S)

15.857min (+0.034) 34.17ng/ul m *U.M*  
*10/31/15*

response 314976

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 176.00 | 100   | 100    |
| 174.00 | 88.10 | 54.57# |
| 87.00  | 5.70  | 7.83#  |
| 86.00  | 6.30  | 5.59   |

# Quantitation Report (Qedit)

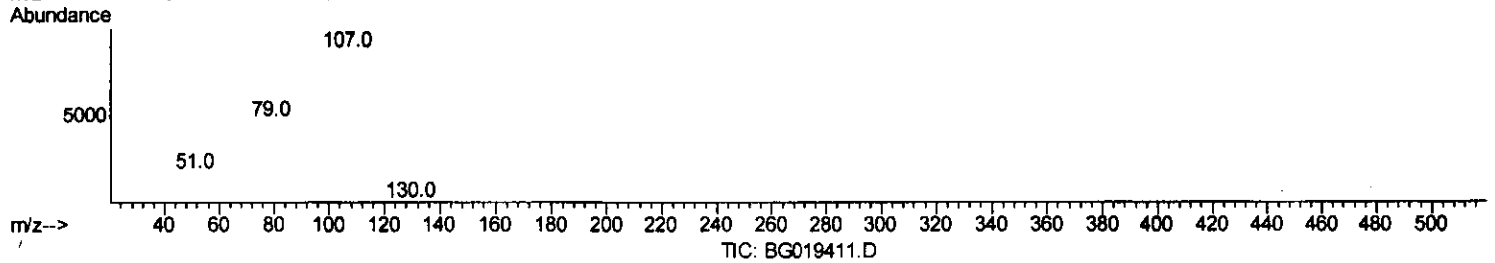
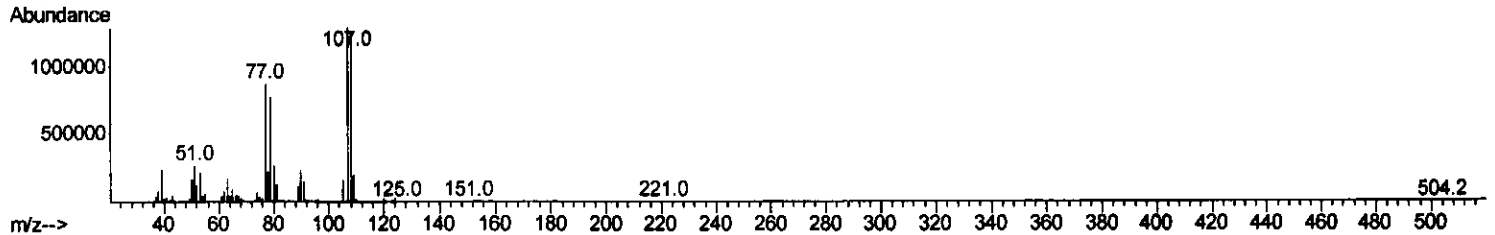
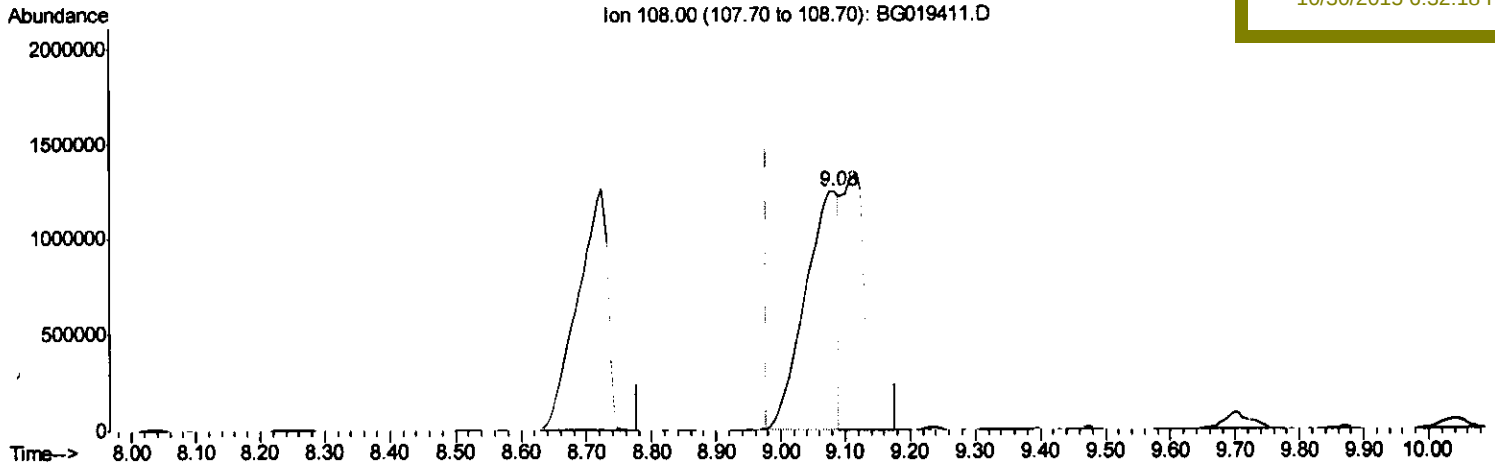
Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 01:17:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 10/30/2015 6:32:18 PM



(16) 4-Methylphenol

9.083min (+0.105) 1262.84ng/ul

response 4375685

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 108.00 | 100    | 100    |
| 107.00 | 106.80 | 103.97 |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA G\Data\BG102815\  
 Data File : BG019411.D  
 Acq On : 29 Oct 2015 10:44  
 Operator : UM/NP  
 Sample : G3996-18RE  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E5LK7

Quant Time: Oct 30 06:11:29 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 30 02:14:45 2015  
 Response via : Initial Calibration

Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 43873    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.06 | 136  | 168828   | 20.00 | ng/ul | 0.03     |
| 36) Acenaphthene-d10      | 14.86 | 164  | 120868   | 20.00 | ng/ul | 0.03     |
| 62) Phenanthrene-d10      | 17.60 | 188  | 273997   | 20.00 | ng/ul | 0.02     |
| 78) Chrysene-d12          | 21.90 | 240  | 334345   | 20.00 | ng/ul | 0.03     |
| 86) Perylene-d12          | 25.31 | 264  | 312628   | 20.00 | ng/ul | 0.06     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.51  | 96  | 30389   | 33.18 | ng/uL | -0.01 |
| 5) Phenol-d5                   | 7.40  | 99  | 88645   | 22.01 | ng/ul | 0.04  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.53  | 67  | 60237   | 23.59 | ng/ul | 0.01  |
| 9) 2-Chlorophenol-d4           | 7.75  | 132 | 55150   | 21.94 | ng/ul | 0.01  |
| 13) 4-Methylphenol-d8          | 8.88  | 113 | 181     | 0.06  | ng/ul | -0.04 |
| 19) Nitrobenzene-d5            | 9.42  | 128 | 39826   | 32.10 | ng/ul | 0.04  |
| 22) 2-Nitrophenol-d4           | 10.13 | 143 | 32724   | 22.22 | ng/ul | 0.02  |
| 26) 2,4-Dichlorophenol-d3      | 10.73 | 165 | 69660   | 21.80 | ng/ul | 0.08  |
| 29) 4-Chloroaniline-d4         | 11.17 | 131 | 143863  | 44.50 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.30 | 166 | 213998m | 21.47 | ng/ul | 0.07  |
| 47) Acenaphthylene-d8          | 14.56 | 160 | 265333  | 24.04 | ng/ul | 0.03  |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d      | 0.00  | ng/ul |       |
| 58) Fluorene-d10               | 15.86 | 176 | 314976m | 34.17 | ng/ul | 0.03  |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d      | 0.00  | ng/ul |       |
| 71) Anthracene-d10             | 17.71 | 188 | 316955  | 25.38 | ng/ul | 0.03  |
| 79) Pyrene-d10                 | 19.98 | 212 | 341068  | 23.31 | ng/ul | 0.03  |
| 90) Benzo(a)pyrene-d12         | 25.07 | 264 | 360856  | 23.00 | ng/ul | 0.06  |

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## Target Compounds

|                         |       |     |          |         |        | Ovalue |
|-------------------------|-------|-----|----------|---------|--------|--------|
| 6) Phenol               | 7.43  | 94  | 2670227  | 622.37  | ng/ul  | 94     |
| 11) 2-Methylphenol      | 8.72  | 108 | 3909750  | 1232.16 | ng/ul  | 94     |
| 14) Acetophenone        | 9.02  | 105 | 286630   | 53.23   | ng/ul# | 13     |
| 16) 4-Methylphenol      | 9.12  | 108 | 7393596m | 2133.82 | ng/ul  |        |
| 24) 2,4-Dimethylphenol  | 10.29 | 107 | 6830570m | 1563.15 | ng/ul  |        |
| 28) Naphthalene         | 11.13 | 128 | 3937022  | 466.07  | ng/ul# | 85     |
| 34) 2-Methylnaphthalene | 12.73 | 142 | 2312575  | 340.67  | ng/ul  | 98     |
| 35) 1-Methylnaphthalene | 12.94 | 142 | 1457930  | 226.99  | ng/ul  | 99     |
| 41) 1,1'-Biphenyl       | 13.71 | 154 | 757150   | 88.62   | ng/ul# | 92     |
| 48) Acenaphthylene      | 14.59 | 152 | 360903   | 31.92   | ng/ul# | 82     |
| 50) Acenaphthene        | 14.93 | 153 | 239733   | 31.40   | ng/ul  | 90     |
| 54) Dibenzofuran        | 15.26 | 168 | 1131737  | 100.65  | ng/ul  | 92     |
| 59) Fluorene            | 15.91 | 166 | 793963   | 80.94   | ng/ul# | 92     |
| 70) Phenanthrene        | 17.65 | 178 | 1506212  | 108.92  | ng/ul# | 88     |
| 72) Anthracene          | 17.74 | 178 | 344443   | 24.44   | ng/ul# | 86     |
| 75) Carbazole           | 18.02 | 167 | 96281    | 8.56    | ng/ul# | 58     |
| 77) Fluoranthene        | 19.64 | 202 | 491704   | 27.47   | ng/ul# | 93     |
| 80) Pyrene              | 20.01 | 202 | 524368   | 27.95   | ng/ul# | 94     |
| 83) Benzo(a)anthracene  | 21.88 | 228 | 148401   | 7.62    | ng/ul# | 68     |
| 85) Chrysene            | 21.95 | 228 | 158802   | 8.69    | ng/ul# | 78     |

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