

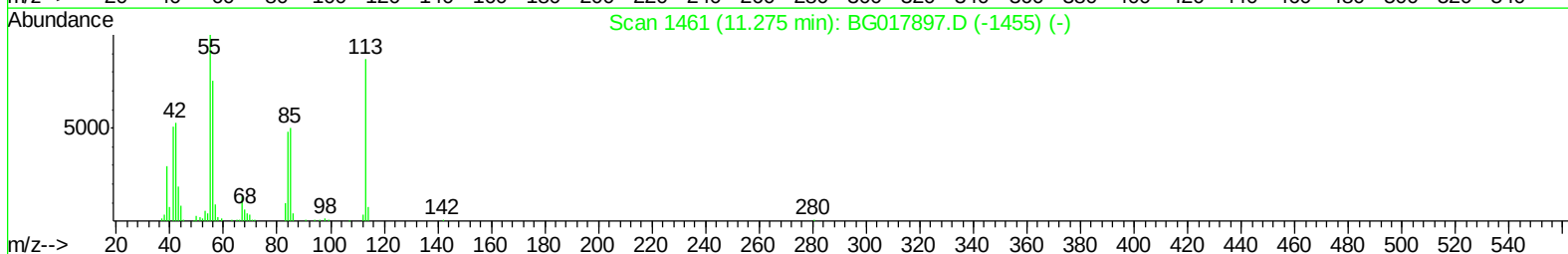
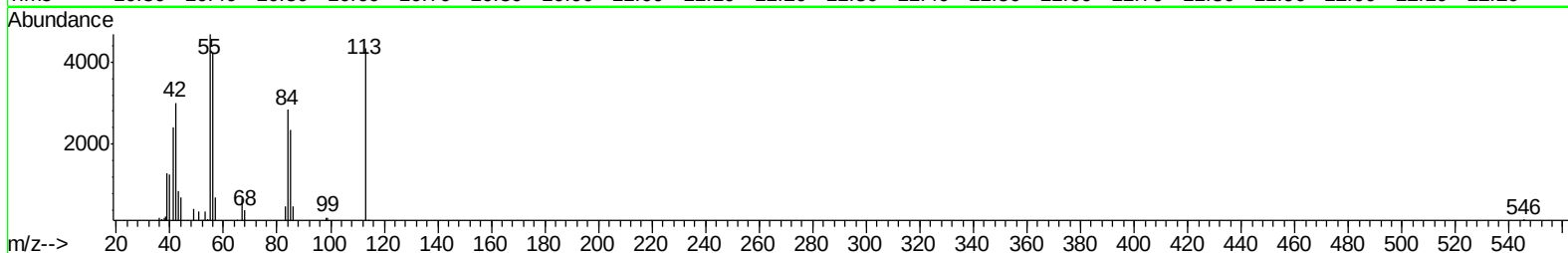
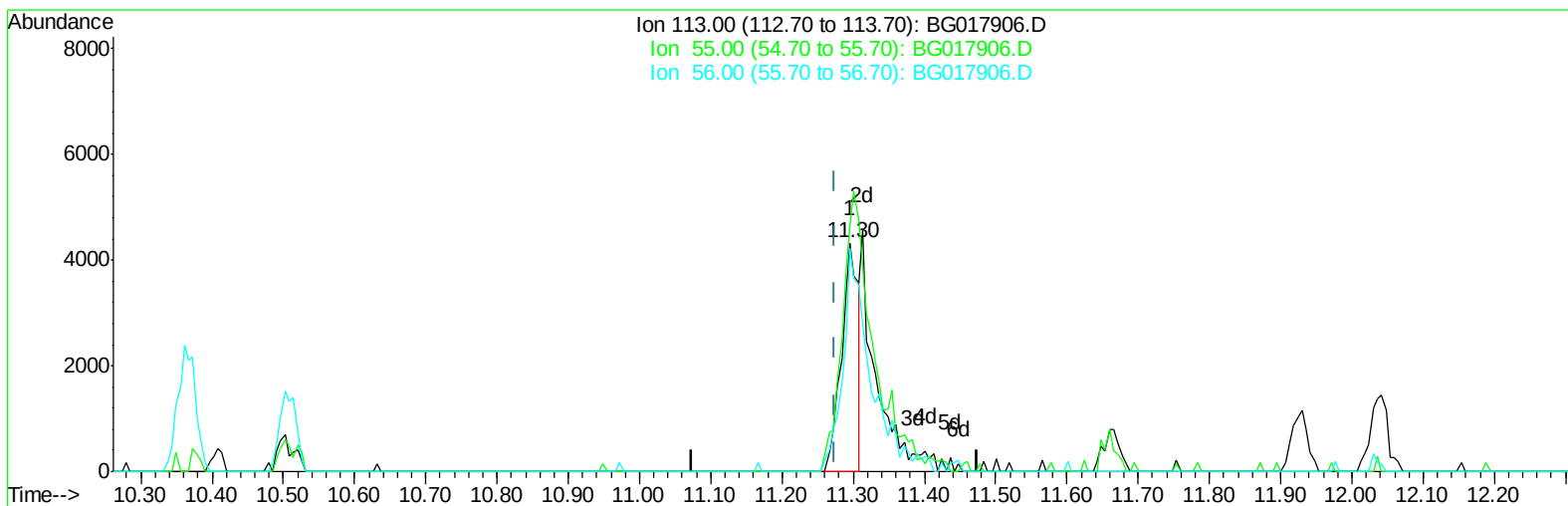
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071515\  
Data File : BG017906.D  
Acq On : 16 Jul 2015 5:25  
Operator : TP/UM  
Sample : MDL-04-S-ML  
Misc : MDL-SOIL-SVOC-8PPM-MED LEVEL  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-04-S-ML

Manual Integrations  
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apatel  
7/16/2015 4:38:17 PM

Quant Time: Jul 16 06:52:46 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG071415.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 16 03:39:16 2015  
Response via : Initial Calibration



TIC: BG017906.D

(32) Caprolactam

11.295min (+0.021) 1.91ng/ul

response 7007

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 147.70 | 107.86# |
| 56.00  | 112.20 | 97.34   |
| 0.00   | 0.00   | 0.00    |

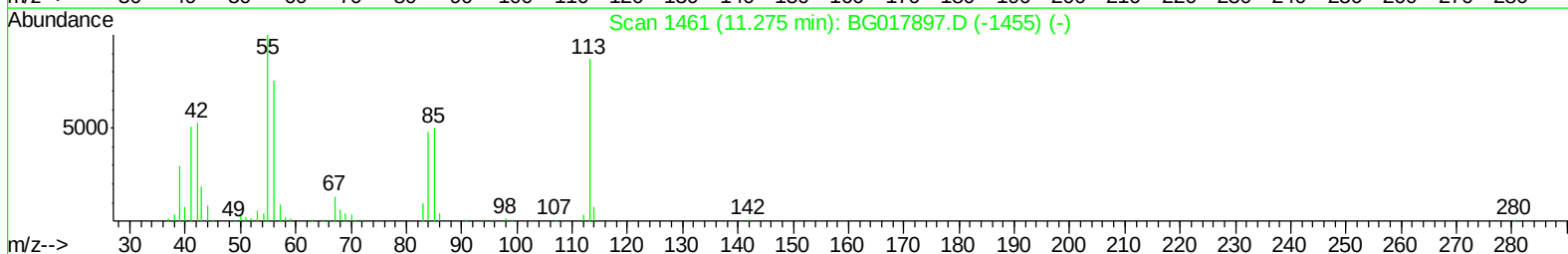
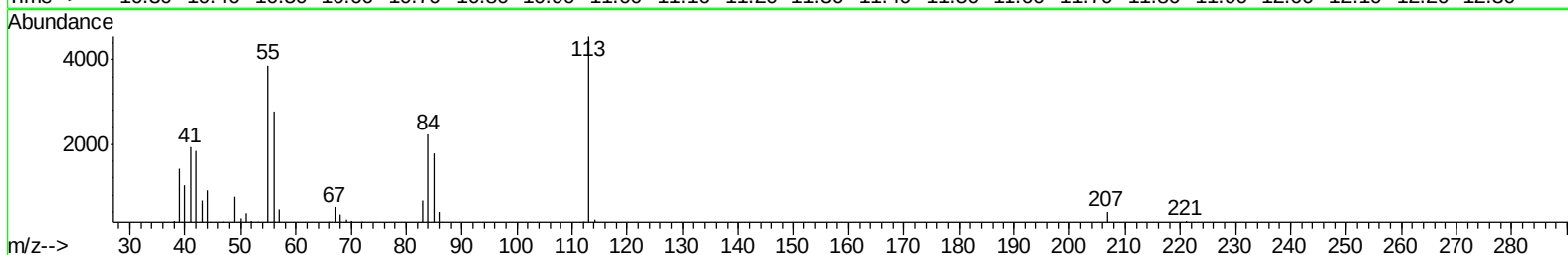
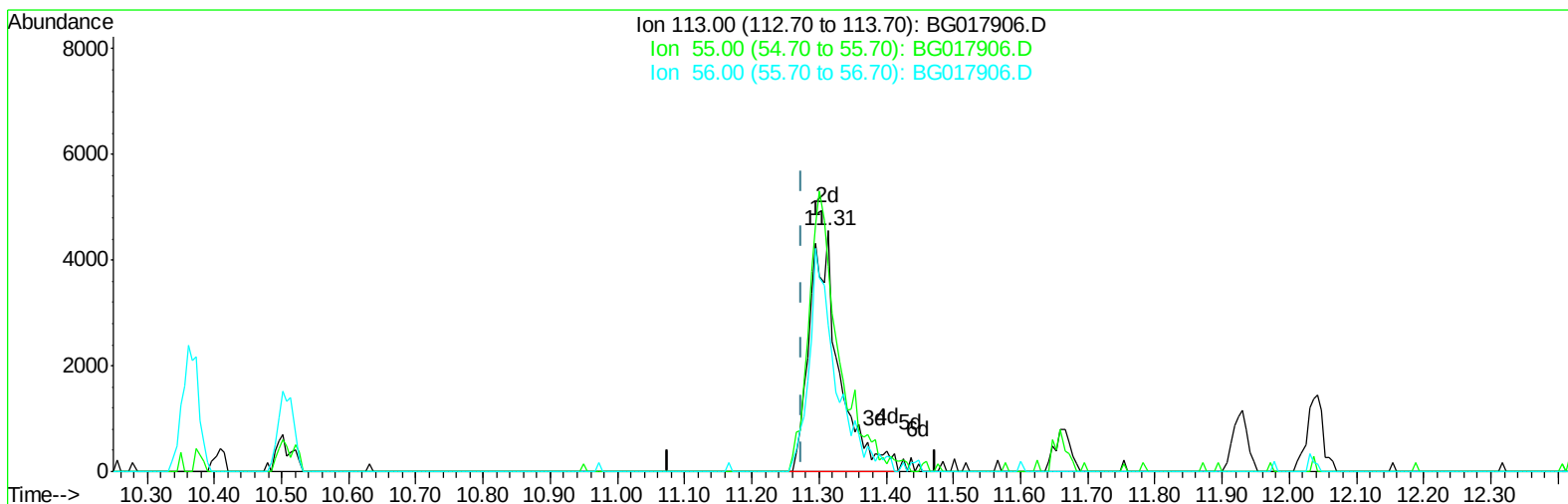
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071515\  
Data File : BG017906.D  
Acq On : 16 Jul 2015 5:25  
Operator : TP/UM  
Sample : MDL-04-S-ML  
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ALS Vial : 49 Sample Multiplier: 1

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Manual Integrations  
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apatel  
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Quant Time: Jul 16 06:52:46 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG071415.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 16 03:39:16 2015  
Response via : Initial Calibration



TIC: BG017906.D

(32) Caprolactam

11.313min (+0.038) 3.78ng/ul m

response 13846

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 147.70 | 85.03# |
| 56.00  | 112.20 | 60.94# |
| 0.00   | 0.00   | 0.00   |

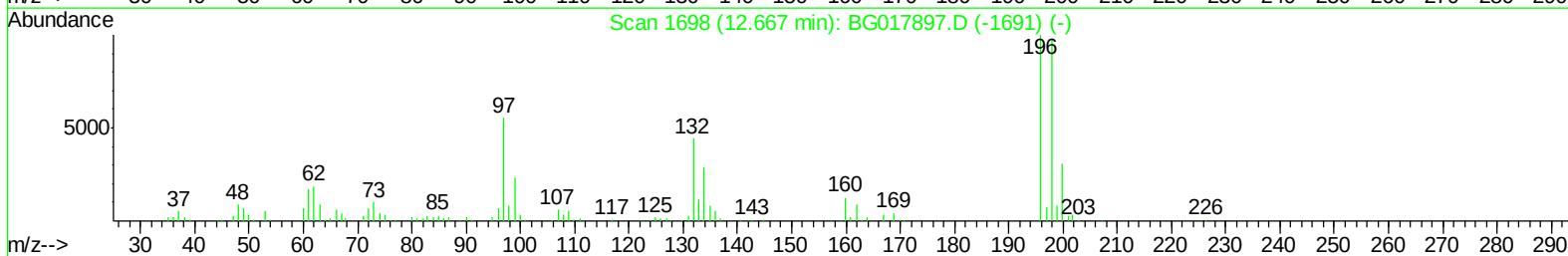
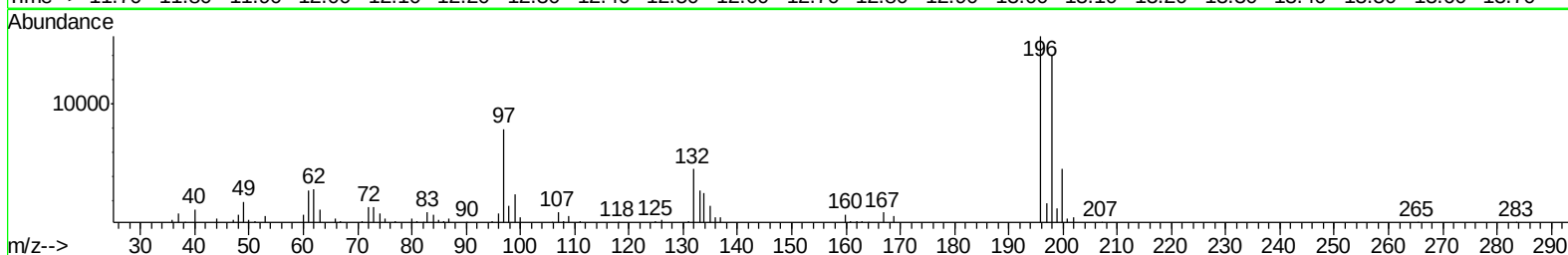
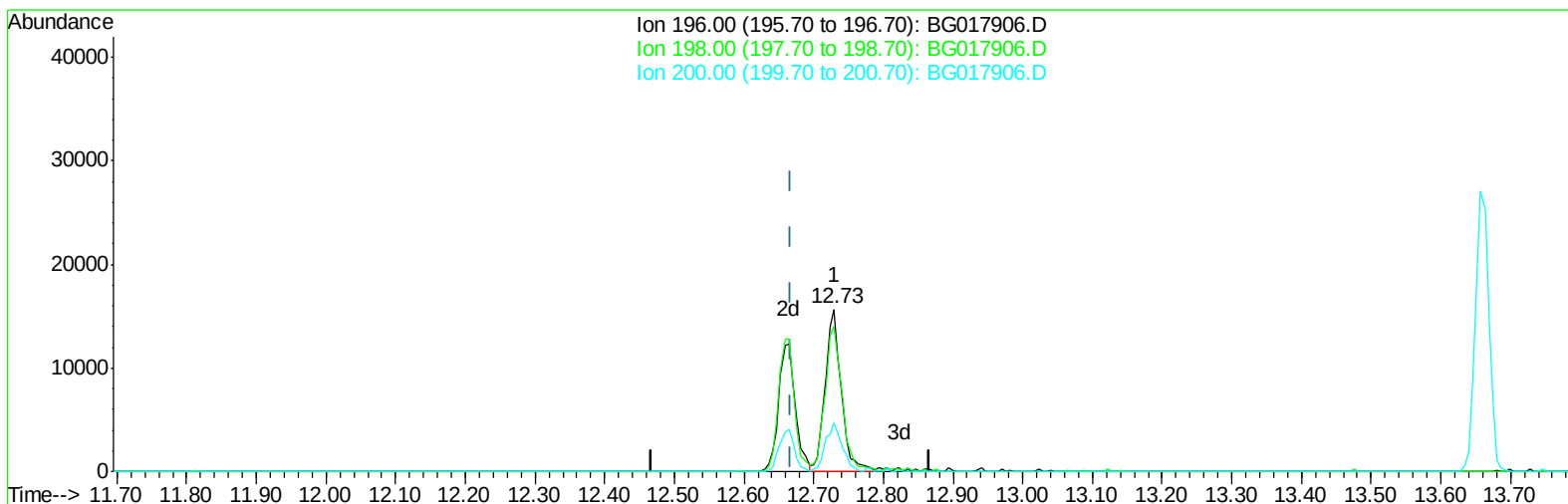
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071515\  
Data File : BG017906.D  
Acq On : 16 Jul 2015 5:25  
Operator : TP/UM  
Sample : MDL-04-S-ML  
Misc : MDL-SOIL-SVOC-8PPM-MED LEVEL  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-04-S-ML

Manual Integrations  
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Quant Time: Jul 16 06:52:46 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG071415.M  
Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG017906.D

(38) 2,4,6-Trichlorophenol (C)

12.729min (+0.062) 7.29ng/ul

response 25022

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 196.00 | 100   | 100   |
| 198.00 | 86.20 | 89.93 |
| 200.00 | 27.80 | 29.62 |
| 0.00   | 0.00  | 0.00  |

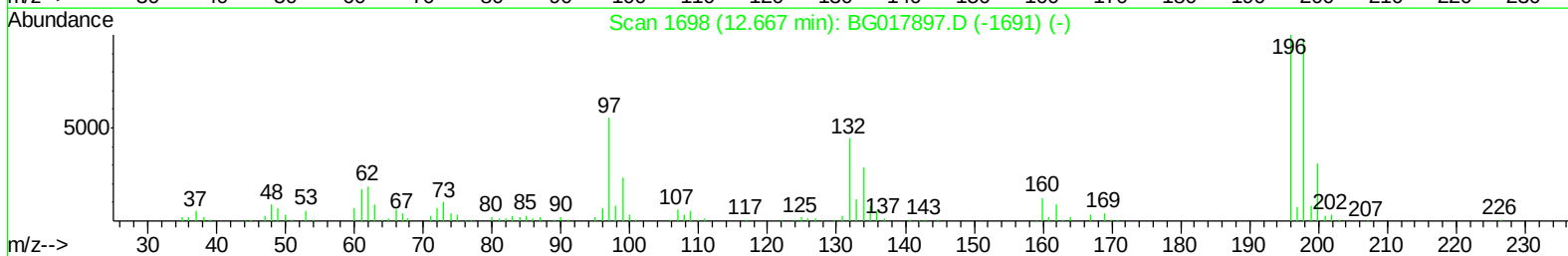
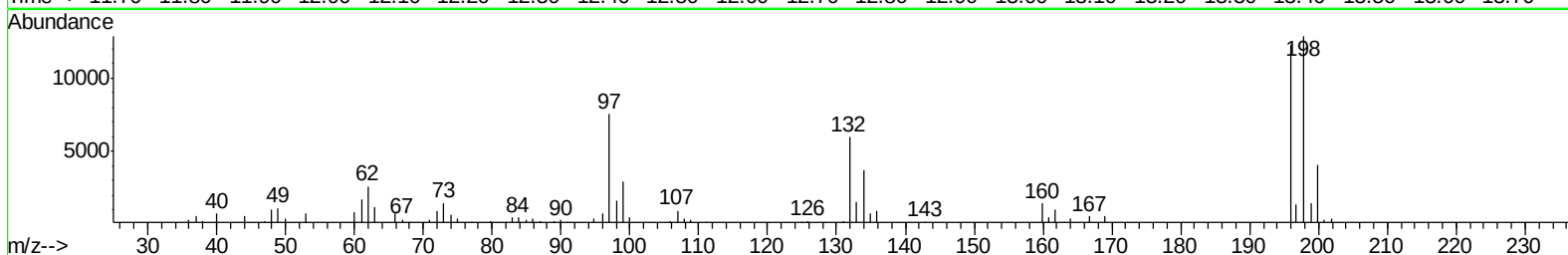
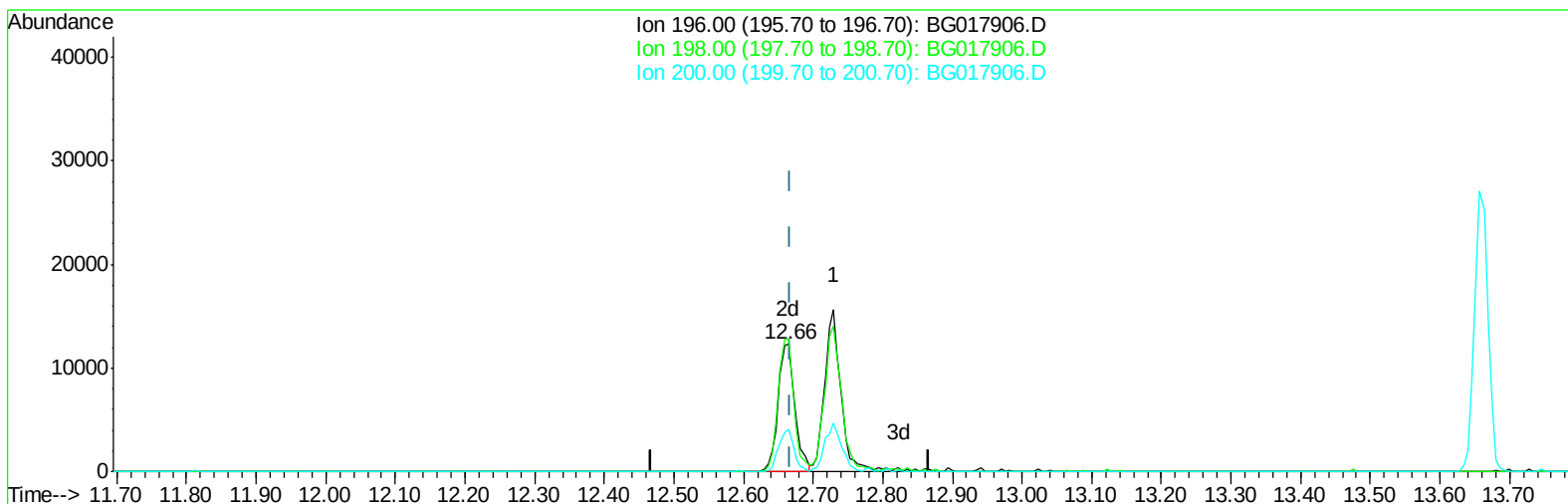
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071515\  
Data File : BG017906.D  
Acq On : 16 Jul 2015 5:25  
Operator : TP/UM  
Sample : MDL-04-S-ML  
Misc : MDL-SOIL-SVOC-8PPM-MED LEVEL  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-04-S-ML

Manual Integrations  
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Quant Time: Jul 16 06:52:46 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG071415.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 16 03:39:16 2015  
Response via : Initial Calibration



TIC: BG017906.D

(38) 2,4,6-Trichlorophenol (C)

12.664min (-0.003) 5.98ng/ul m

response 20538

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 196.00 | 100   | 100     |
| 198.00 | 86.20 | 104.61# |
| 200.00 | 27.80 | 33.05   |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071515\  
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 Operator : TP/UM  
 Sample : MDL-04-S-ML  
 Misc : MDL-SOIL-SVOC-8PPM-MED LEVEL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-04-S-ML

Manual Integrations  
 APPROVED

apatel  
 7/16/2015 4:38:17 PM

Quant Time: Jul 16 07:21:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG071415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 16 03:39:16 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 90930    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 412303   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.24 | 164  | 240631   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 503333   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.20 | 240  | 502579   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.41 | 264  | 468691   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 12143  | 4.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.76  | 99  | 212578 | 27.10 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 130219 | 24.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 187983 | 30.86 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 177752 | 29.57 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 89017  | 27.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.46  | 143 | 84883  | 35.14 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 157136 | 31.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 260598 | 36.53 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 540543 | 32.22 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 696501 | 31.95 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 89616  | 28.30 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.24 | 176 | 502508 | 32.20 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 50426  | 21.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.09 | 188 | 730959 | 32.05 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.40 | 212 | 798886 | 33.75 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 719314 | 31.31 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |             | Qvalue |
|--------------------------------|-------|-----|--------|-------------|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 4207   | 1.55 ng/uL# | 91     |
| 4) Benzaldehyde                | 6.73  | 77  | 31365  | 6.83 ng/ul  | 90     |
| 6) Phenol                      | 6.79  | 94  | 46376  | 5.39 ng/ul  | 94     |
| 8) Bis(2-Chloroethyl)ether     | 7.02  | 93  | 39275  | 5.60 ng/ul  | 90     |
| 10) 2-Chlorophenol             | 7.15  | 128 | 37383  | 6.08 ng/ul# | 86     |
| 11) 2-Methylphenol             | 8.03  | 108 | 34663  | 5.55 ng/ul  | 94     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 48051  | 4.71 ng/ul# | 92     |
| 14) Acetophenone               | 8.40  | 105 | 59492  | 5.95 ng/ul# | 87     |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 31387  | 5.09 ng/ul# | 86     |
| 16) 4-Methylphenol             | 8.36  | 108 | 37448  | 5.50 ng/ul  | 99     |
| 17) Hexachloroethane           | 8.65  | 117 | 16655  | 5.67 ng/ul  | 97     |
| 20) Nitrobenzene               | 8.77  | 77  | 42776  | 5.04 ng/ul# | 90     |
| 21) Isophorone                 | 9.30  | 82  | 83828  | 5.28 ng/ul  | 96     |
| 23) 2-Nitrophenol              | 9.49  | 139 | 19677  | 6.86 ng/ul  | 92     |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 42776  | 5.83 ng/ul  | 96     |
| 25) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 49229  | 5.52 ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.01 | 162 | 33547  | 6.71 ng/ul  | 89     |
| 28) Naphthalene                | 10.41 | 128 | 135850 | 6.37 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.53 | 127 | 47886  | 6.46 ng/ul  | 94     |
| 31) Hexachlorobutadiene        | 10.71 | 225 | 21175  | 6.72 ng/ul  | 93     |
| 32) Caprolactam                | 11.31 | 113 | 13846m | 3.78 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.66 | 107 | 34873  | 5.69 ng/ul# | 87     |
| 34) 2-Methylnaphthalene        | 12.04 | 142 | 93207  | 6.44 ng/ul  | 94     |

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 Data File : BG017906.D  
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 Sample : MDL-04-S-ML  
 Misc : MDL-SOIL-SVOC-8PPM-MED LEVEL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleID :  
 MDL-04-S-ML

Manual Integrations  
 APPROVED

apatel  
 7/16/2015 4:38:17 PM

Quant Time: Jul 16 07:21:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG071415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 16 03:39:16 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.41 | 216  | 41166    | 6.50 | ng/ul# | 91       |
| 37) Hexachlorocyclopentadiene  | 12.39 | 237  | 18192    | 5.53 | ng/ul  | 93       |
| 38) 2,4,6-Trichlorophenol      | 12.66 | 196  | 20538m   | 5.98 | ng/ul  |          |
| 39) 2,4,5-Trichlorophenol      | 12.73 | 196  | 25022    | 6.68 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 13.07 | 154  | 119726   | 6.43 | ng/ul# | 97       |
| 41) 2-Chloronaphthalene        | 13.11 | 162  | 94272    | 6.59 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 13.32 | 65   | 19446    | 4.64 | ng/ul  | 89       |
| 44) Dimethylphthalate          | 13.70 | 163  | 122429   | 6.95 | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 13.82 | 165  | 19048    | 5.93 | ng/ul  | 89       |
| 47) Acenaphthylene             | 13.96 | 152  | 157095   | 6.52 | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.15 | 138  | 20496    | 5.60 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.30 | 153  | 101521   | 6.26 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.36 | 184  | 2094     | 1.55 | ng/ul# | 79       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 13629    | 5.08 | ng/ul# | 82       |
| 53) Dibenzofuran               | 14.64 | 168  | 141178   | 6.61 | ng/ul  | 92       |
| 54) 2,4-Dinitrotoluene         | 14.62 | 165  | 26381    | 5.73 | ng/ul# | 78       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 18291    | 6.33 | ng/ul# | 92       |
| 56) Diethylphthalate           | 15.08 | 149  | 118641   | 6.54 | ng/ul  | 99       |
| 58) Fluorene                   | 15.30 | 166  | 122886   | 6.62 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.30 | 204  | 57698    | 6.70 | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 25412    | 5.83 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 12074    | 4.60 | ng/ul# | 90       |
| 64) N-Nitrosodiphenylamine     | 15.51 | 169  | 98628    | 6.44 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.19 | 248  | 33589    | 6.96 | ng/ul  | 84       |
| 66) Hexachlorobenzene          | 16.30 | 284  | 36486    | 6.96 | ng/ul  | 91       |
| 67) Atrazine                   | 16.47 | 200  | 33651    | 6.40 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 16.65 | 266  | 10701    | 4.12 | ng/ul# | 80       |
| 69) Phenanthrene               | 17.04 | 178  | 180673   | 6.50 | ng/ul  | 100      |
| 71) Anthracene                 | 17.13 | 178  | 193748   | 6.81 | ng/ul  | 97       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216  | 39553    | 6.17 | ng/uL  | 96       |
| 73) Pentachlorobenzene         | 14.56 | 250  | 46524    | 7.57 | ng/uL  | 97       |
| 74) Carbazole                  | 17.40 | 167  | 171049   | 6.89 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 17.98 | 149  | 201585   | 6.47 | ng/ul# | 95       |
| 76) Fluoranthene               | 19.06 | 202  | 198546   | 7.03 | ng/ul# | 95       |
| 79) Pyrene                     | 19.43 | 202  | 219702   | 7.10 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.35 | 149  | 73710    | 5.89 | ng/ul# | 85       |
| 81) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 43648    | 5.80 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.18 | 228  | 197030   | 7.10 | ng/ul  | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 103910   | 6.00 | ng/ul# | 97       |
| 84) Chrysene                   | 21.23 | 228  | 188007   | 7.06 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.00 | 149  | 156298   | 5.69 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.75 | 252  | 174300   | 6.74 | ng/ul  | 93       |
| 88) Benzo(k)fluoranthene       | 22.79 | 252  | 176915   | 6.64 | ng/ul# | 96       |
| 90) Benzo(a)pyrene             | 23.32 | 252  | 184016   | 7.08 | ng/ul  | 96       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.65 | 276  | 181644   | 6.54 | ng/ul  | 95       |
| 92) Dibenzo(a,h)anthracene     | 25.67 | 278  | 151435   | 6.40 | ng/ul  | 96       |
| 93) Benzo(g,h,i)perylene       | 26.34 | 276  | 153512   | 6.60 | ng/ul  | 97       |

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

