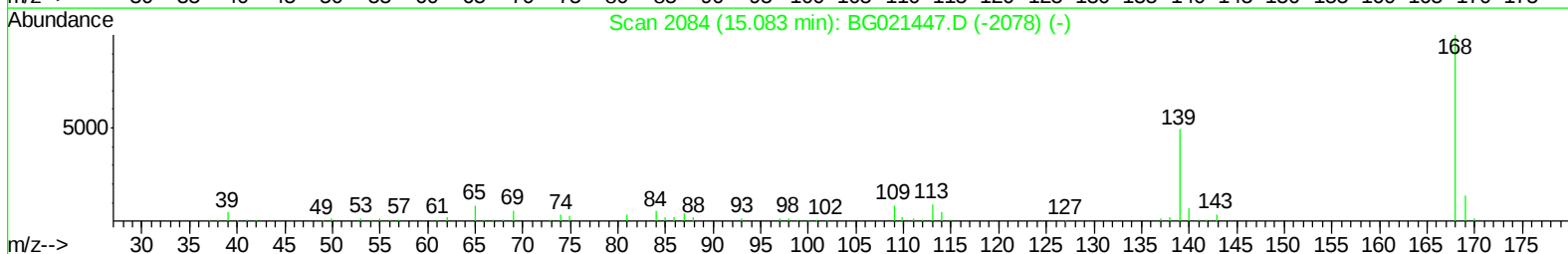
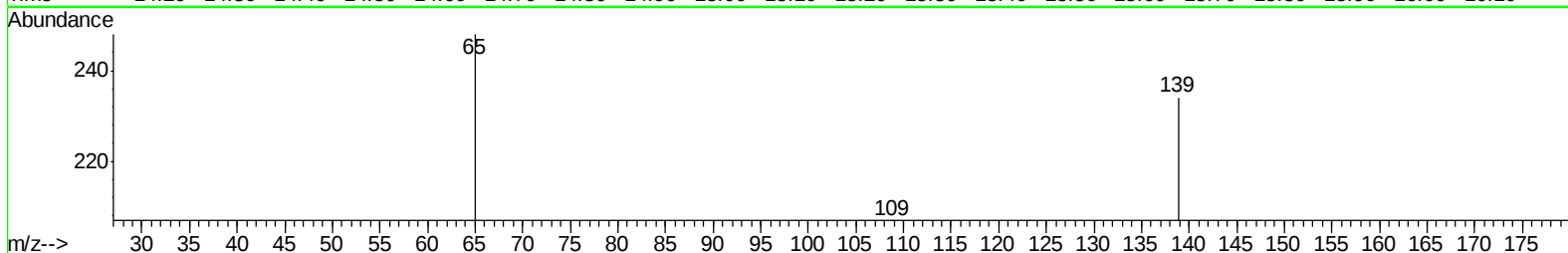
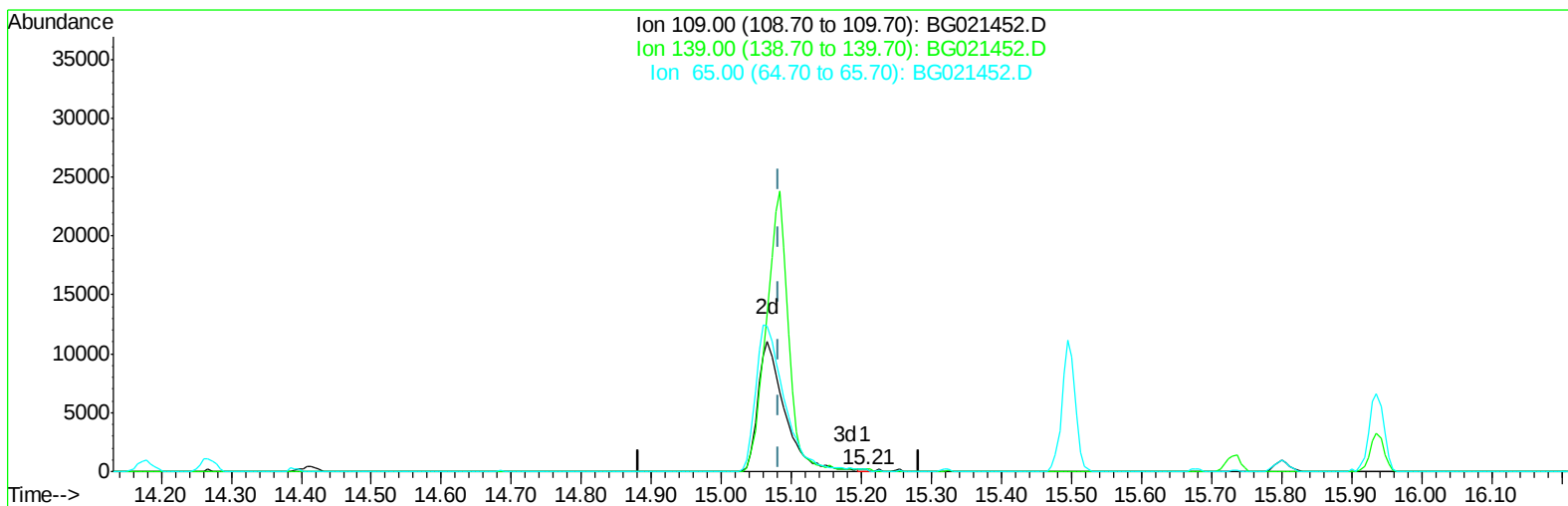


Data Path : Z:\HPCHEM1\BNA\_G\Data\BG032116\  
Data File : BG021452.D  
Acq On : 21 Mar 2016 20:25  
Operator : UM/SJ  
Sample : H1835-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 10:59:30 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG031616.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 22 01:42:49 2016  
Response via : Initial Calibration



TIC: BG021452.D

(53) 4-Nitrophenol

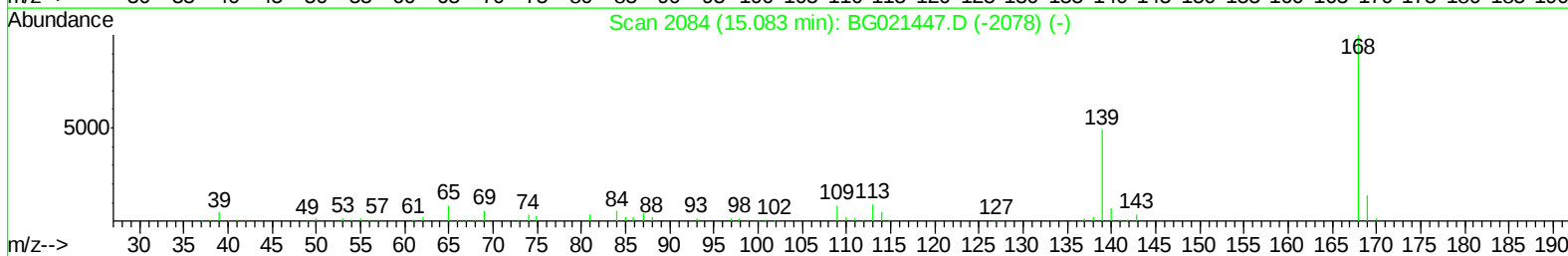
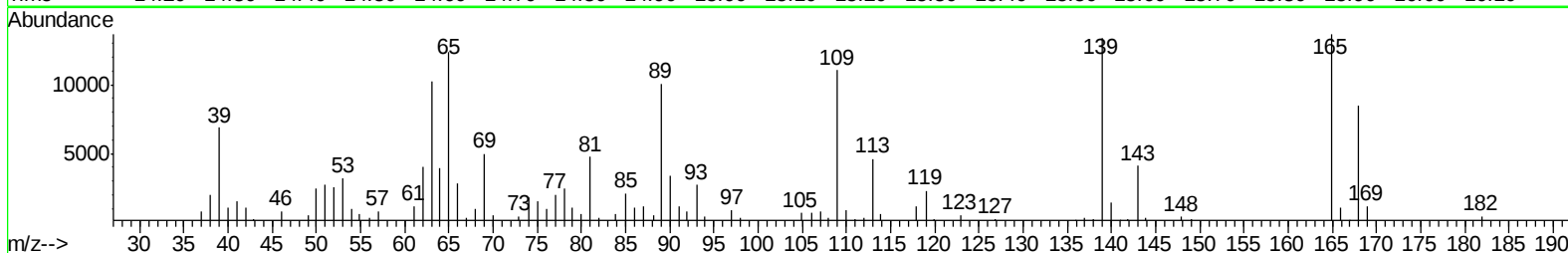
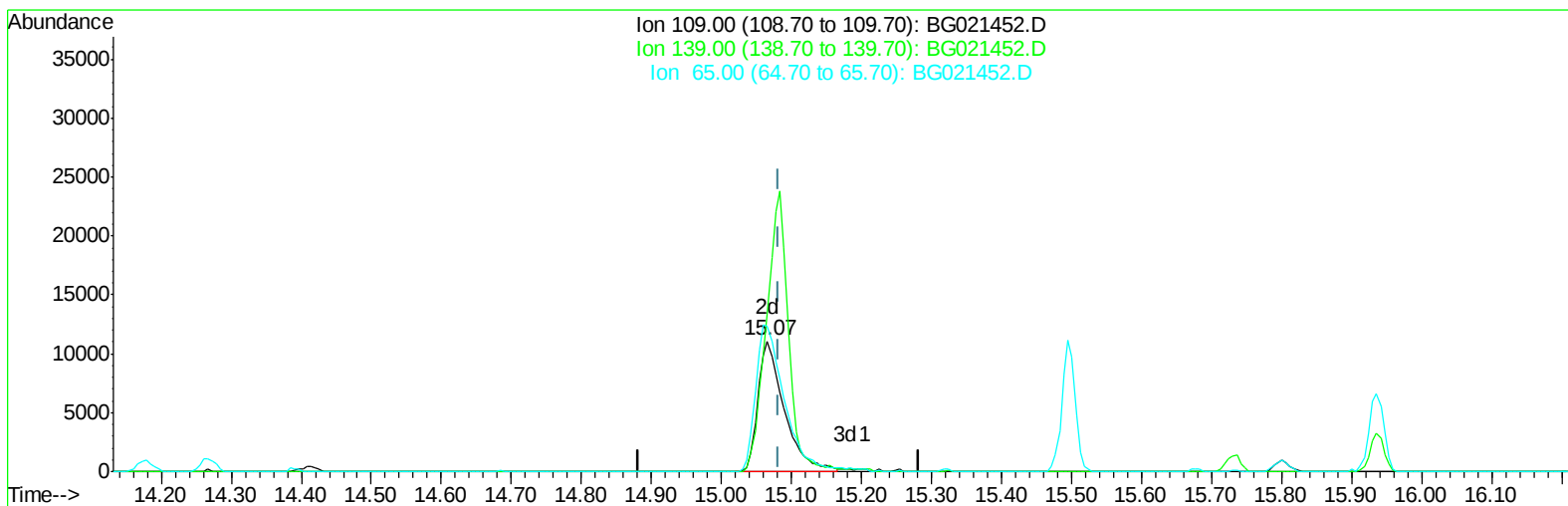
15.207min (+0.124) 0.34ng/ul

response 135

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100    | 100    |
| 139.00 | 94.90  | 113.04 |
| 65.00  | 124.80 | 119.81 |
| 0.00   | 0.00   | 0.00   |

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Sample : H1835-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 10:59:30 2016  
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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 22 01:42:49 2016  
Response via : Initial Calibration



TIC: BG021452.D

(53) 4-Nitrophenol

15.066min (-0.017) 72.37ng/ul m

response 28830

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 109.00 | 100    | 100     |
| 139.00 | 94.90  | 120.95# |
| 65.00  | 124.80 | 111.95  |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG032116\  
 Data File : BG021452.D  
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 Operator : UM/SJ  
 Sample : H1835-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 13:22:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG031616.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 22 01:42:49 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.07  | 152  | 10008    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.88 | 136  | 45449    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.68 | 164  | 28852    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.43 | 188  | 71097    | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.68 | 240  | 85348    | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.90 | 264  | 81915    | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 1218   | 5.46  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.33  | 99  | 32034  | 33.86 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.40  | 67  | 18875  | 33.67 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 25844  | 35.97 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.85  | 113 | 27923  | 34.46 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.24  | 128 | 13651  | 40.03 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.97  | 143 | 14908  | 38.25 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 28467  | 40.86 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.02 | 131 | 13962  | 15.33 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.09 | 166 | 93240  | 38.81 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.38 | 160 | 114429 | 38.64 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.05 | 143 | 14674  | 38.21 | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.68 | 176 | 81548  | 37.65 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 16089  | 34.25 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.53 | 188 | 133806 | 38.41 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.80 | 212 | 155478 | 39.07 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.68 | 264 | 163518 | 43.25 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 4) Benzaldehyde                | 7.22  | 77  | 1648   | 2.86  | ng/ul# 75 |
| 10) 2-Chlorophenol             | 7.67  | 128 | 29966  | 40.58 | ng/ul 90  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.60  | 45  | 46082  | 52.76 | ng/ul# 90 |
| 14) Acetophenone               | 8.90  | 105 | 50996  | 38.57 | ng/ul# 86 |
| 17) Hexachloroethane           | 9.16  | 117 | 5996   | 19.35 | ng/ul 92  |
| 20) Nitrobenzene               | 9.29  | 77  | 62455  | 64.85 | ng/ul 95  |
| 23) 2-Nitrophenol              | 10.00 | 139 | 22948  | 53.34 | ng/ul 91  |
| 27) 2,4-Dichlorophenol         | 10.59 | 162 | 19745  | 27.29 | ng/ul 95  |
| 28) Naphthalene                | 10.93 | 128 | 43114  | 17.89 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 12.23 | 107 | 47687  | 53.97 | ng/ul 96  |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 21583  | 21.37 | ng/ul 94  |
| 39) 2,4,6-Trichlorophenol      | 13.15 | 196 | 23003  | 38.74 | ng/ul 97  |
| 41) 1,1'-Biphenyl              | 13.53 | 154 | 100694 | 42.66 | ng/ul 97  |
| 43) 2-Nitroaniline             | 13.79 | 65  | 36439  | 56.60 | ng/ul# 84 |
| 46) 2,6-Dinitrotoluene         | 14.27 | 165 | 23339  | 45.82 | ng/ul 85  |
| 48) Acenaphthylene             | 14.41 | 152 | 164538 | 56.08 | ng/ul 98  |
| 50) Acenaphthene               | 14.75 | 153 | 9530   | 4.71  | ng/ul 97  |
| 53) 4-Nitrophenol              | 15.07 | 109 | 28830m | 72.37 | ng/ul     |
| 54) Dibenzofuran               | 15.08 | 168 | 60633  | 21.39 | ng/ul# 79 |
| 55) 2,4-Dinitrotoluene         | 15.05 | 165 | 41074  | 55.00 | ng/ul# 94 |
| 57) Diethylphthalate           | 15.49 | 149 | 136439 | 51.15 | ng/ul 100 |
| 59) Fluorene                   | 15.73 | 166 | 21088  | 8.51  | ng/ul 99  |
| 65) N-Nitrosodiphenylamine     | 15.94 | 169 | 120055 | 54.51 | ng/ul 98  |

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 QLast Update : Tue Mar 22 01:42:49 2016  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 67) Hexachlorobenzene      | 16.73 | 284  | 36922    | 42.15 | ng/ul  | 93       |
| 69) Pentachlorophenol      | 17.10 | 266  | 12761    | 55.09 | ng/ul  | 91       |
| 70) Phenanthrene           | 17.47 | 178  | 134976   | 33.52 | ng/ul  | 98       |
| 76) Di-n-butylphthalate    | 18.37 | 149  | 200707   | 43.89 | ng/ul  | 98       |
| 80) Pyrene                 | 19.83 | 202  | 87321    | 17.17 | ng/ul# | 93       |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252  | 6987     | 3.95  | ng/ul  | 91       |
| 83) Benzo(a)anthracene     | 21.66 | 228  | 222942   | 43.27 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate   | 22.75 | 149  | 163861   | 29.47 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene   | 23.88 | 252  | 181425   | 34.48 | ng/ul  | 97       |
| 91) Benzo(a)pyrene         | 24.75 | 252  | 108260   | 21.19 | ng/ul# | 97       |
| 93) Dibenzo(a,h)anthracene | 28.63 | 278  | 244668   | 49.54 | ng/ul# | 96       |
| 94) Benzo(g,h,i)perylene   | 29.72 | 276  | 124625   | 26.11 | ng/ul  | 98       |

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

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