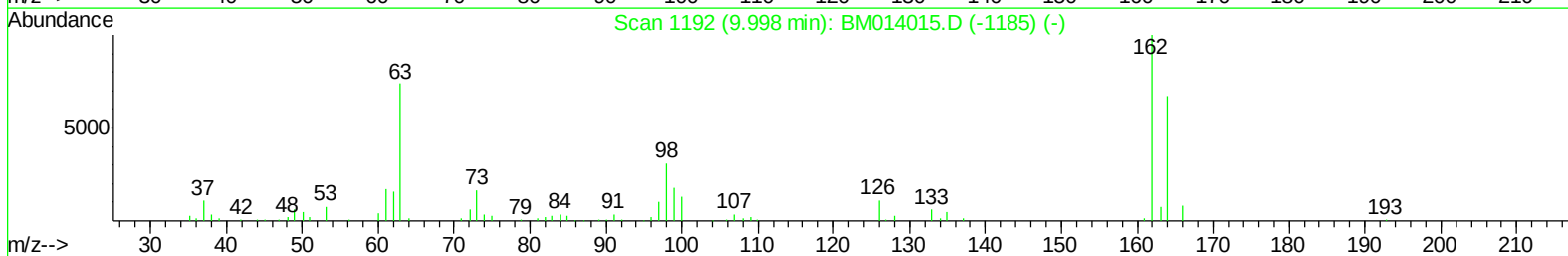
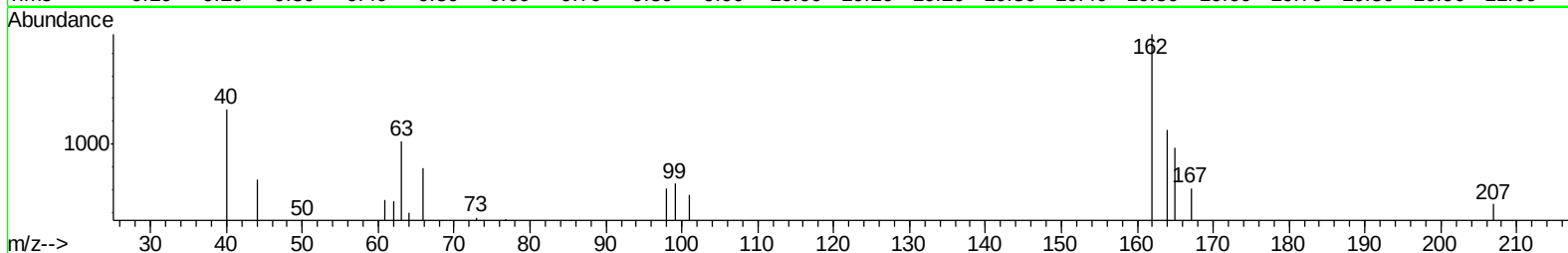
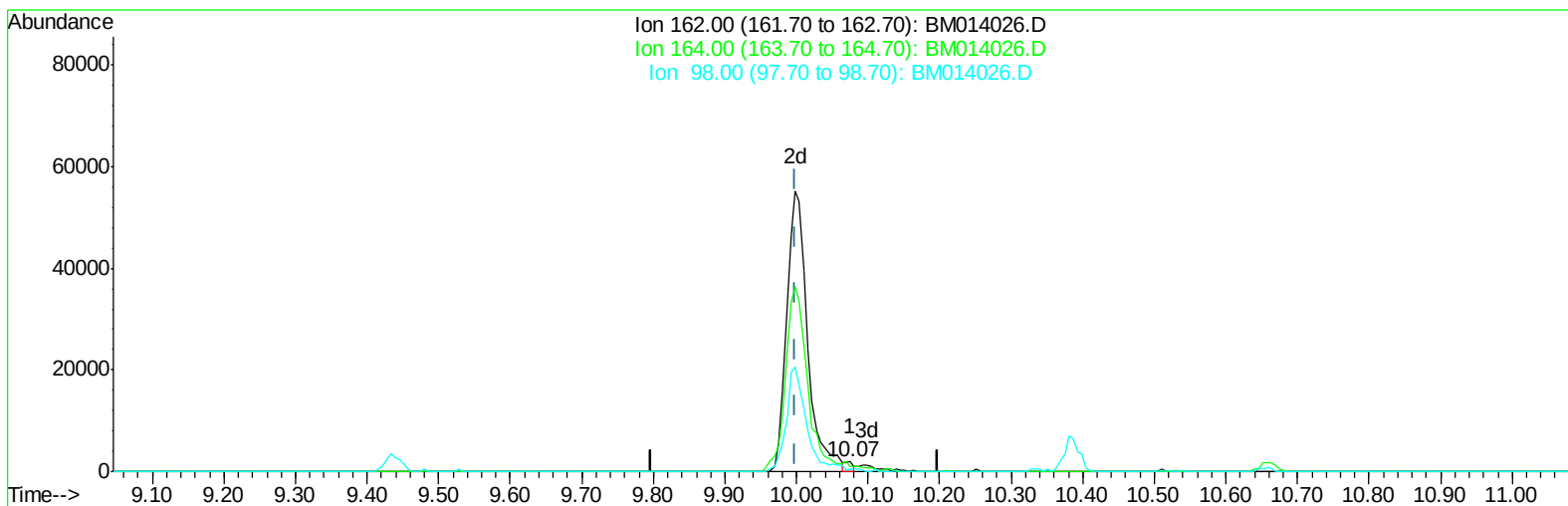


Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(27) 2,4-Dichlorophenol (C)

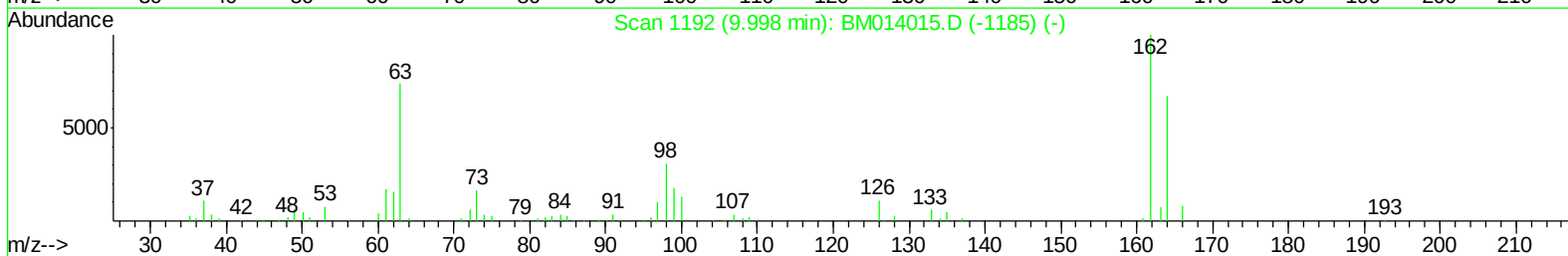
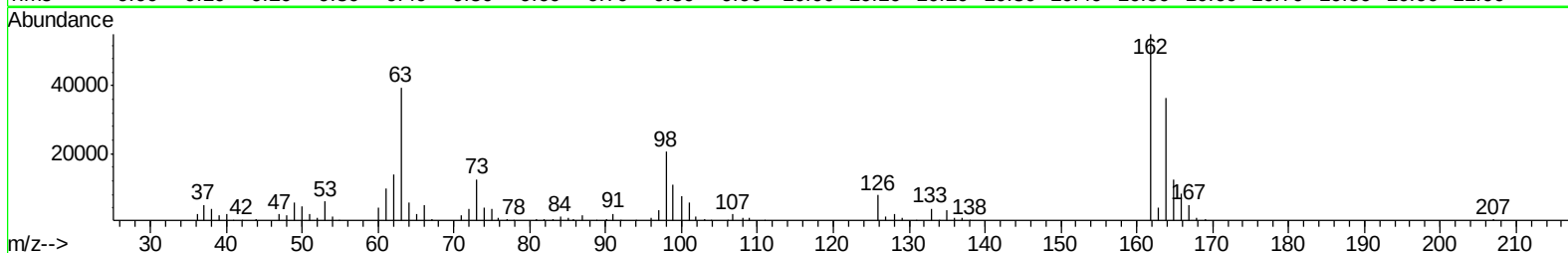
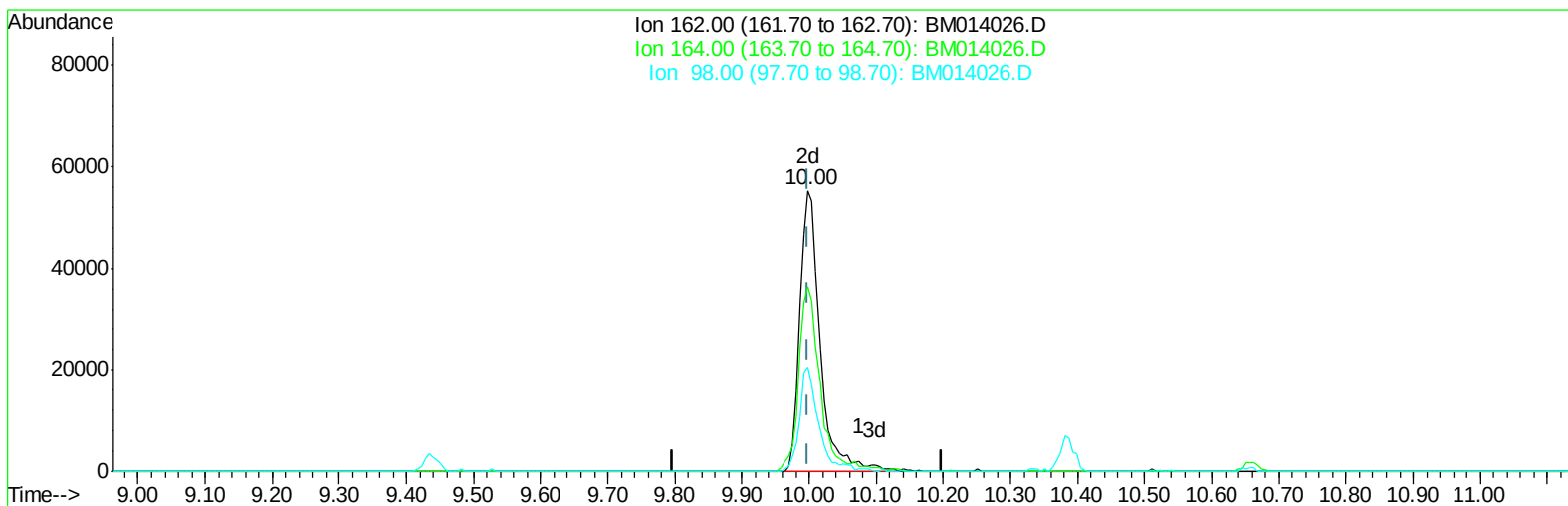
10.075min (+0.076) 0.30ng/ul

response 1673

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 162.00 | 100   | 100   |
| 164.00 | 59.70 | 57.43 |
| 98.00  | 28.70 | 31.16 |
| 0.00   | 0.00  | 0.00  |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(27) 2,4-Dichlorophenol (C)

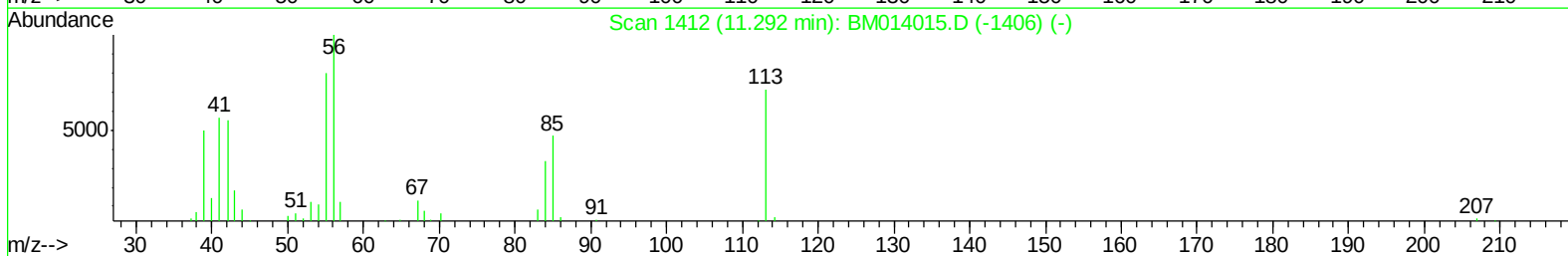
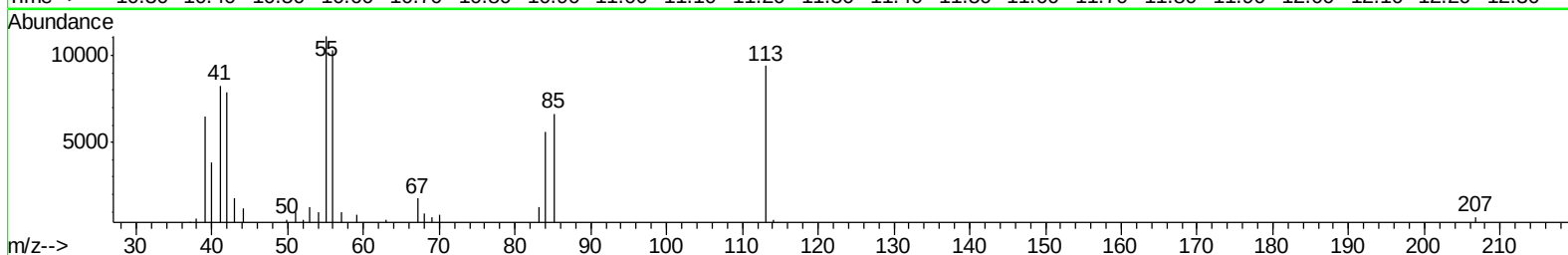
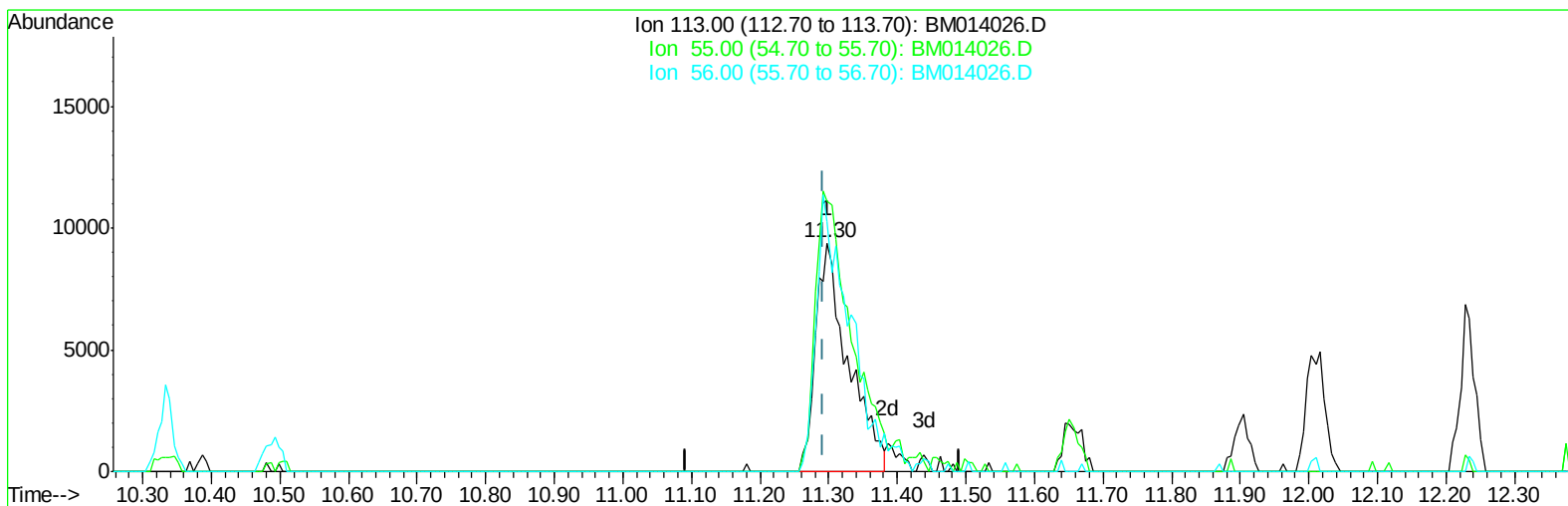
9.998min (+0.000) 20.97ng/ul m

response 116497

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 162.00 | 100   | 100    |
| 164.00 | 59.70 | 66.07  |
| 98.00  | 28.70 | 37.13# |
| 0.00   | 0.00  | 0.00   |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(32) Caprolactam

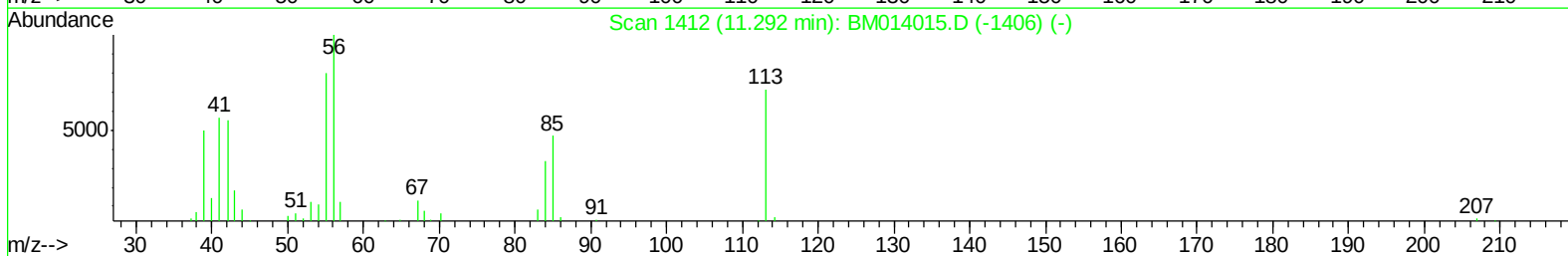
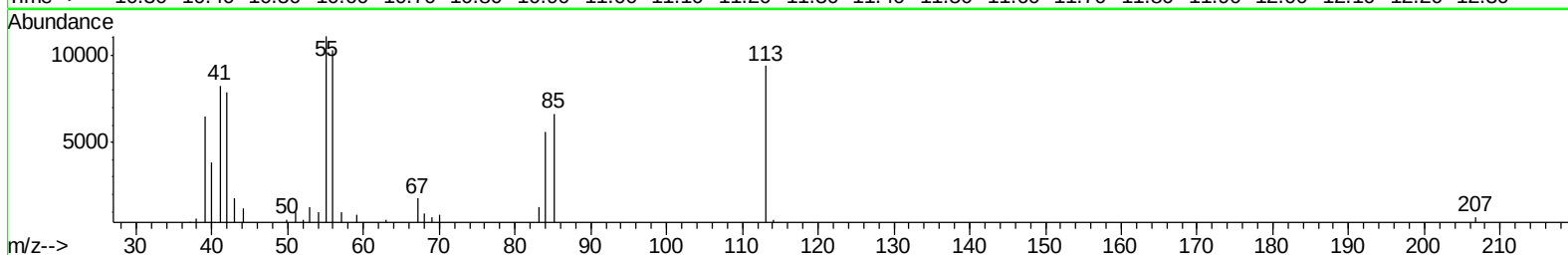
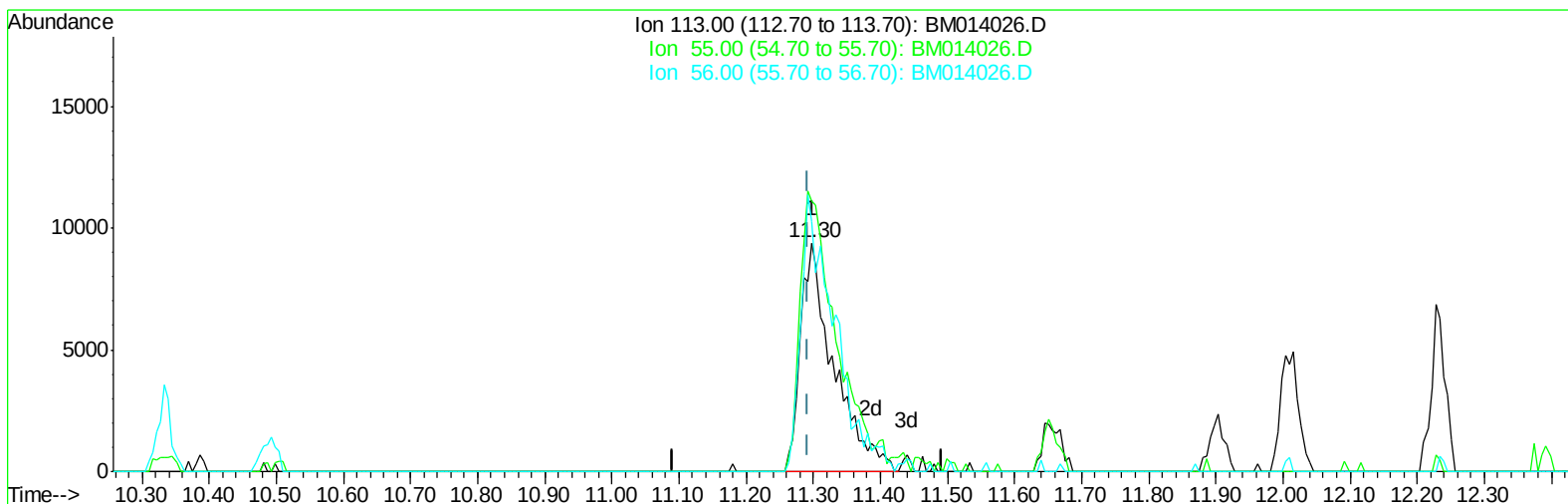
11.298min (+0.006) 19.93ng/ul

response 30795

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 260.00 | 118.19# |
| 56.00  | 200.00 | 109.25# |
| 0.00   | 0.00   | 0.00    |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(32) Caprolactam

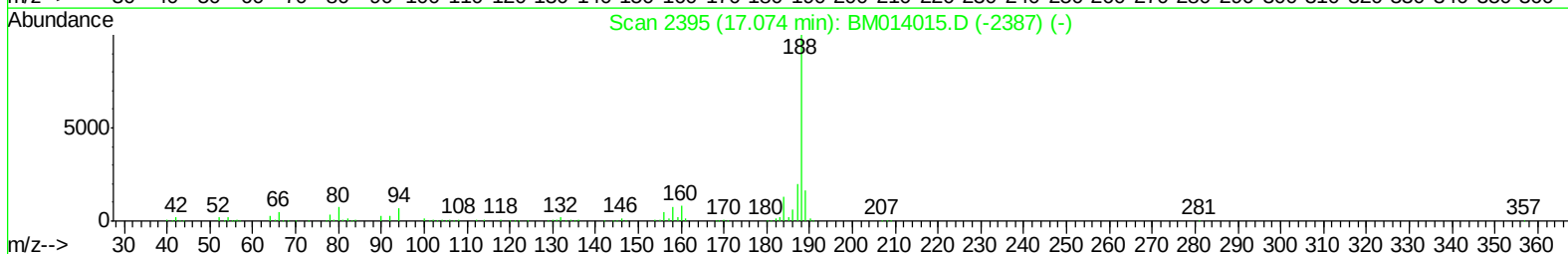
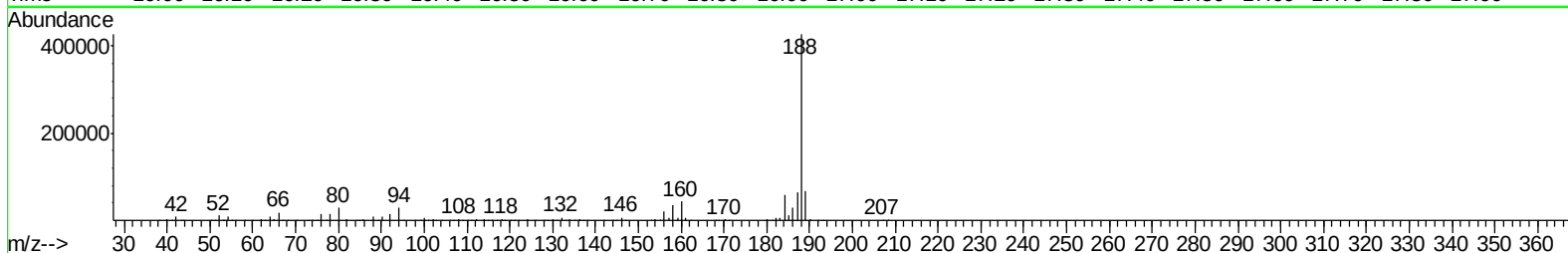
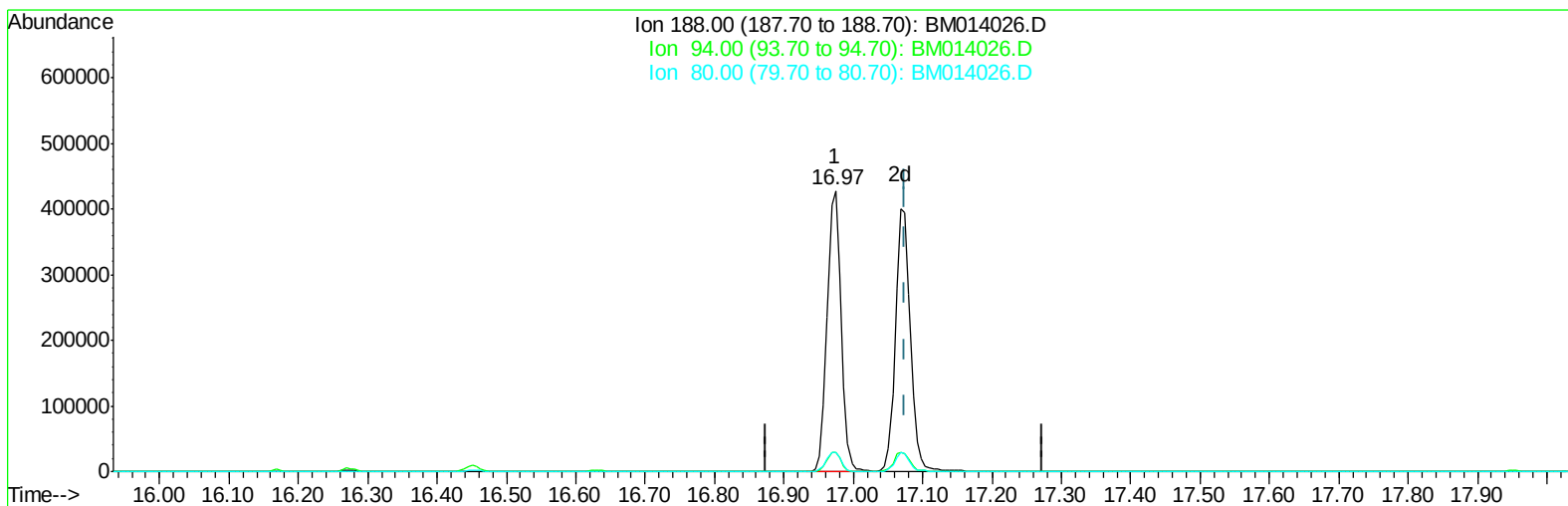
11.298min (+0.006) 20.93ng/ul m

response 32348

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 260.00 | 118.19# |
| 56.00  | 200.00 | 109.25# |
| 0.00   | 0.00   | 0.00    |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(70) Anthracene-d10 (S)

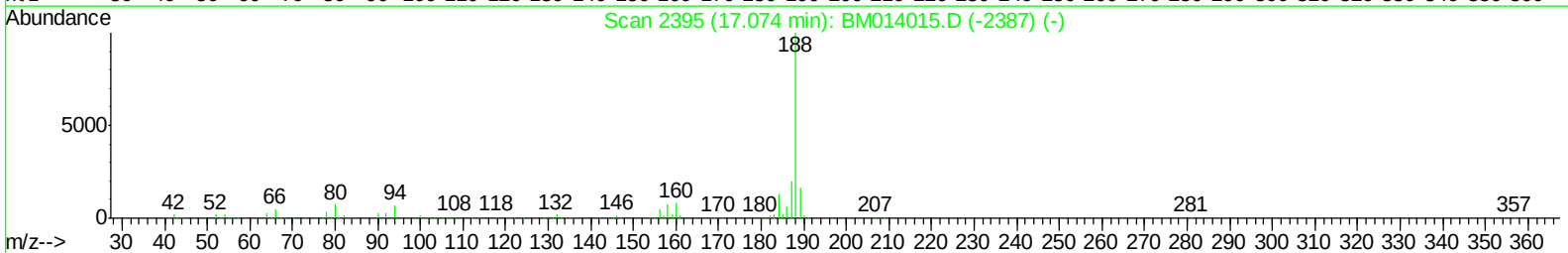
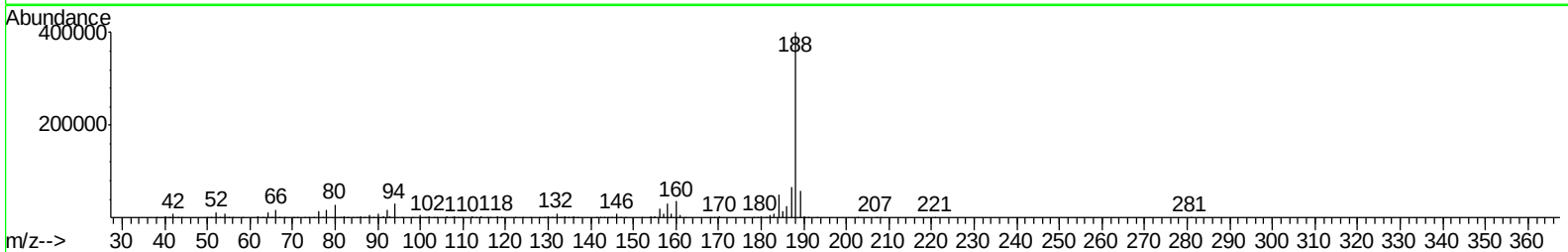
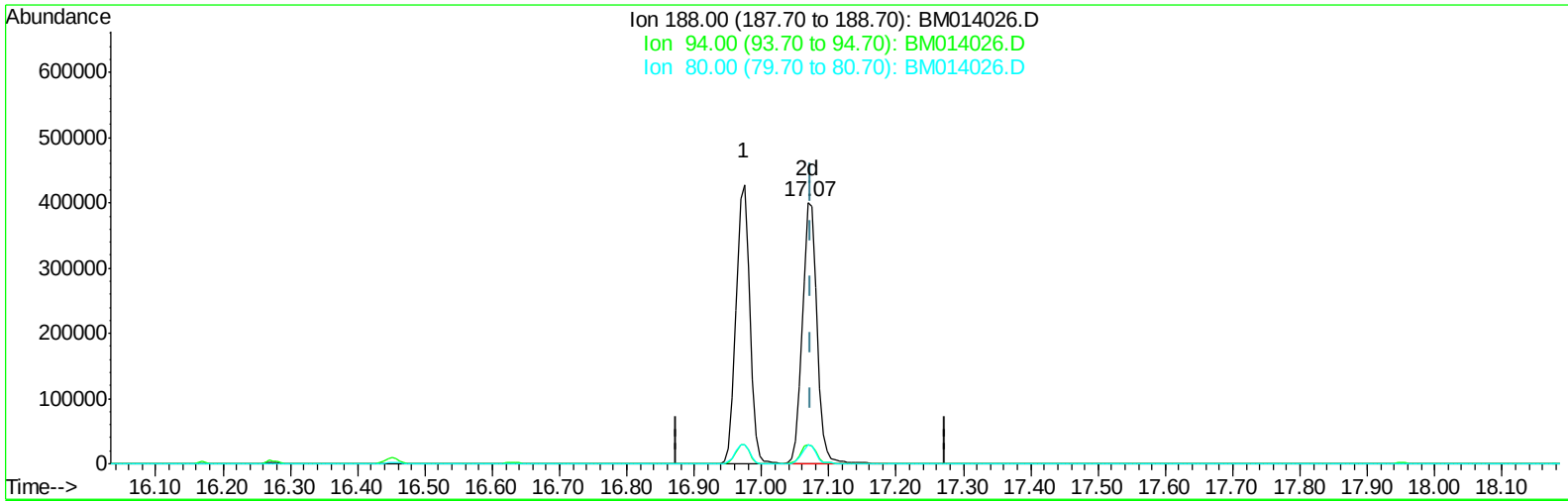
16.974min (-0.100) 20.53ng/ul

response 598511

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 5.70 | 6.78 |
| 80.00  | 5.90 | 6.83 |
| 0.00   | 0.00 | 0.00 |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(70) Anthracene-d10 (S)

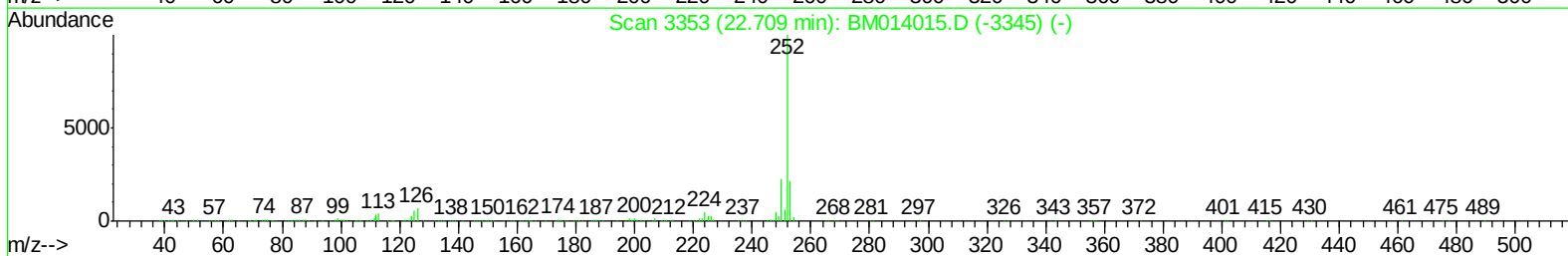
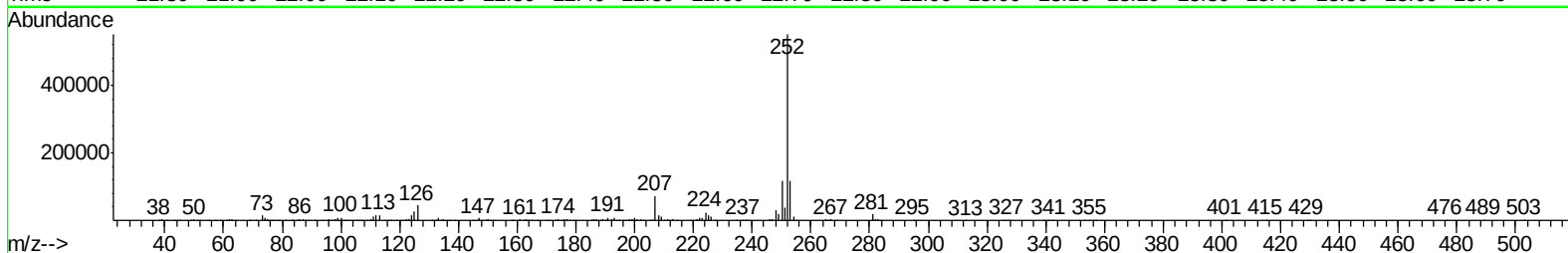
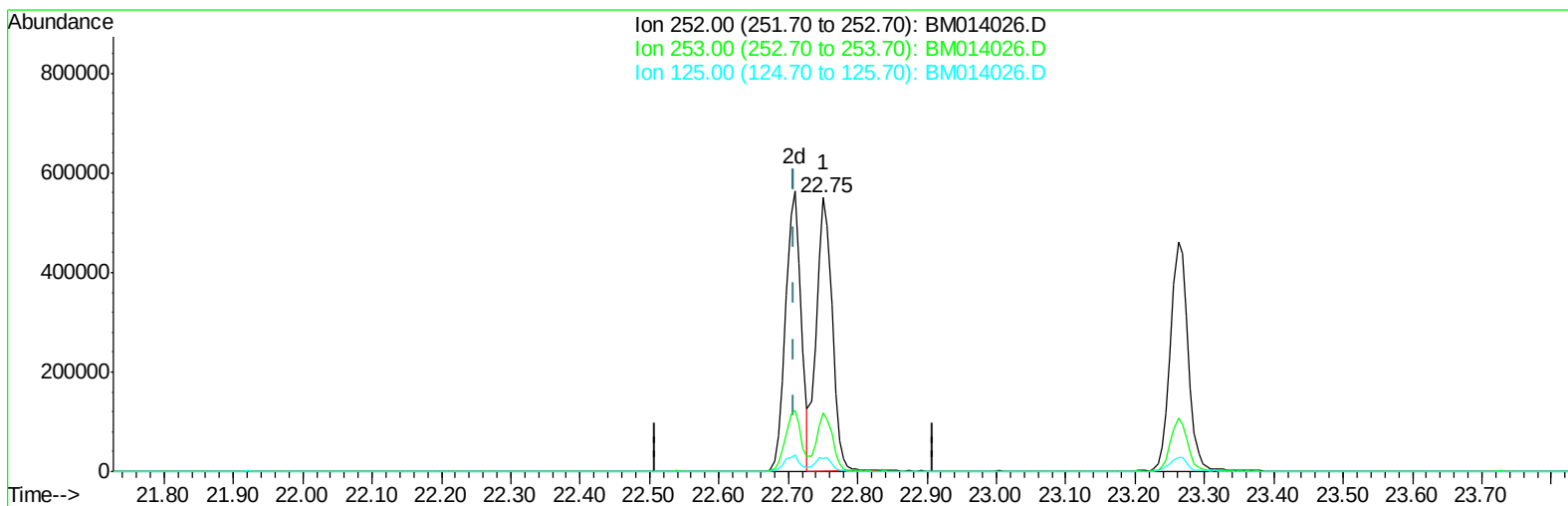
17.068min (-0.006) 20.88ng/ul m

response 608615

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 5.70 | 7.43# |
| 80.00  | 5.90 | 7.18# |
| 0.00   | 0.00 | 0.00  |

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(85) Benzo(b)fluoranthene

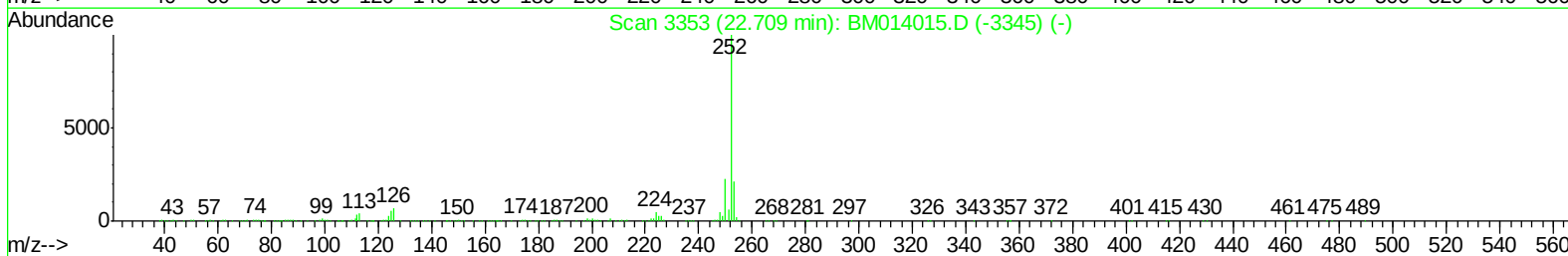
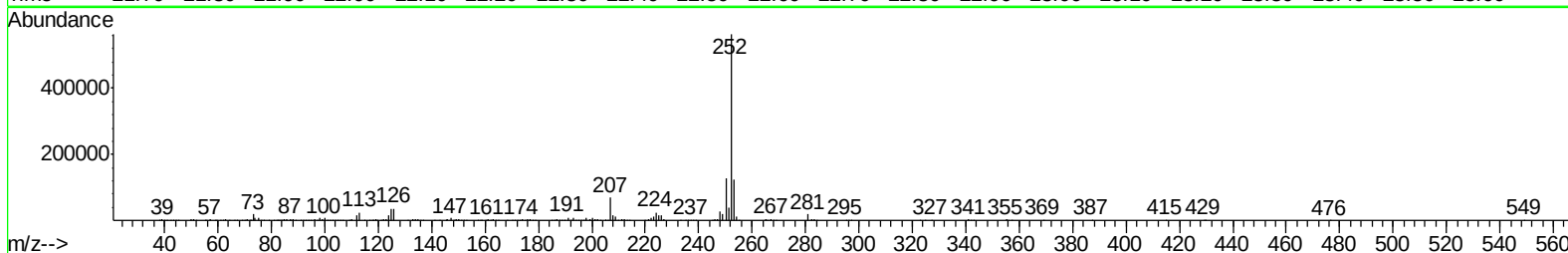
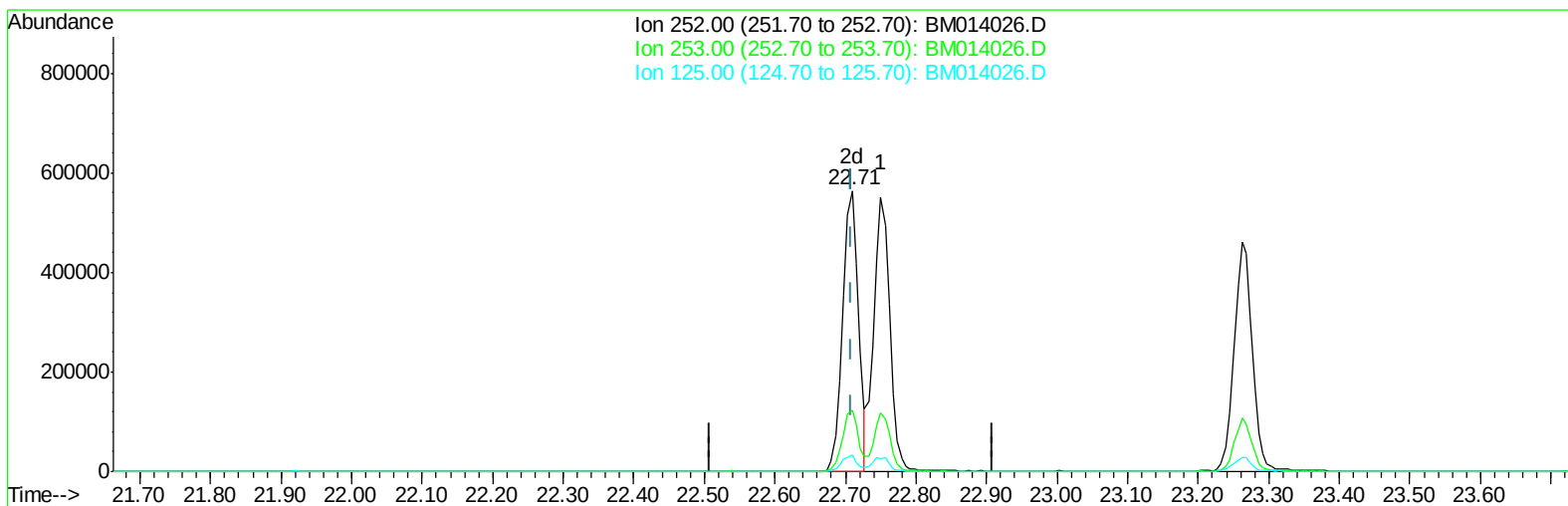
22.750min (+0.041) 20.73ng/ul

response 867384

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.40 | 21.41 |
| 125.00 | 4.50  | 4.85  |
| 0.00   | 0.00  | 0.00  |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
Data File : BM014026.D  
Acq On : 31 Jan 2018 08:43  
Operator : SJ/JU  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 09:51:41 2018  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 31 07:06:39 2018  
Response via : Initial Calibration



TIC: BM014026.D

(85) Benzo(b)fluoranthene

22.709min (+0.000) 21.04ng/ul m

response 880565

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.40 | 21.82 |
| 125.00 | 4.50  | 6.01# |
| 0.00   | 0.00  | 0.00  |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
 Data File : BM014026.D  
 Acq On : 31 Jan 2018 08:43  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 10:12:16 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 31 07:06:39 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 87452    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 363952   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 238615   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.97 | 188  | 598511   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.18 | 240  | 727443   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.36 | 264  | 681483   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 14845   | 6.71  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 125915  | 18.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 78028   | 19.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 110921  | 20.28 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 107736  | 20.88 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 51983   | 18.41 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 59870   | 20.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 125287  | 21.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 129300  | 25.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 403125  | 20.50 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 509433  | 20.31 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.46 | 143 | 49743   | 15.56 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.22 | 176 | 367447  | 21.25 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 64390   | 17.87 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.07 | 188 | 608615m | 20.88 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.37 | 212 | 693996  | 20.49 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.22 | 264 | 660533  | 21.09 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.16  | 88  | 16217   | 6.691  | ng/uL# 67 |
| 4) Benzaldehyde                | 6.72  | 77  | 98914   | 21.290 | ng/ul 96  |
| 6) Phenol                      | 6.78  | 94  | 122993  | 18.265 | ng/ul# 92 |
| 8) Bis(2-Chloroethyl)ether     | 7.00  | 93  | 97777   | 18.556 | ng/ul 96  |
| 10) 2-Chlorophenol             | 7.13  | 128 | 107491  | 19.715 | ng/ul 95  |
| 11) 2-Methylphenol             | 8.02  | 108 | 97308   | 19.604 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.10  | 45  | 94699   | 17.663 | ng/ul# 70 |
| 14) Acetophenone               | 8.39  | 105 | 174384  | 20.418 | ng/ul# 95 |
| 15) N-Nitroso-di-n-propylamine | 8.37  | 70  | 91091   | 21.862 | ng/ul# 71 |
| 16) 4-Methylphenol             | 8.35  | 108 | 103229  | 19.450 | ng/ul 94  |
| 17) Hexachloroethane           | 8.62  | 117 | 54772   | 20.638 | ng/ul 89  |
| 20) Nitrobenzene               | 8.76  | 77  | 144074  | 19.749 | ng/ul 99  |
| 21) Isophorone                 | 9.28  | 82  | 232103  | 19.691 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.46  | 139 | 61485   | 19.771 | ng/ul 93  |
| 24) 2,4-Dimethylphenol         | 9.53  | 107 | 141392  | 21.565 | ng/ul# 90 |
| 25) Bis(2-Chloroethoxy)methane | 9.77  | 93  | 136584  | 19.007 | ng/ul 94  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 116497m | 20.969 | ng/ul     |
| 28) Naphthalene                | 10.39 | 128 | 360772  | 19.925 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 125907  | 25.387 | ng/ul# 85 |
| 31) Hexachlorobutadiene        | 10.66 | 225 | 101599  | 22.279 | ng/ul 94  |
| 32) Caprolactam                | 11.30 | 113 | 32348m  | 20.930 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 117673  | 20.894 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.01 | 142 | 281740  | 20.870 | ng/ul 92  |

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_M\DATA\BM013018\  
 Data File : BM014026.D  
 Acq On : 31 Jan 2018 08:43  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 31 10:12:16 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 31 07:06:39 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 179311   | 20.281 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 12.35 | 237  | 52797    | 14.384 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 106688   | 20.846 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 111788   | 20.992 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.04 | 154  | 393937   | 19.834 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.08 | 162  | 317531   | 20.451 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.31 | 65   | 91501    | 21.364 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 13.69 | 163  | 396850   | 20.524 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.82 | 165  | 79271    | 21.155 | ng/ul# | 92       |
| 47) Acenaphthylene             | 13.93 | 152  | 455678   | 19.859 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.15 | 138  | 64816    | 21.995 | ng/ul  | 92       |
| 49) Acenaphthene               | 14.28 | 153  | 324788   | 20.438 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.37 | 184  | 28465    | 13.252 | ng/ul  | 97       |
| 52) 4-Nitrophenol              | 14.47 | 109  | 57882    | 17.828 | ng/ul# | 69       |
| 53) Dibenzofuran               | 14.62 | 168  | 505700   | 21.153 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.62 | 165  | 120127   | 21.993 | ng/ul# | 67       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 110909   | 22.142 | ng/ul  | 92       |
| 56) Diethylphthalate           | 15.06 | 149  | 415988   | 21.377 | ng/ul  | 97       |
| 58) Fluorene                   | 15.27 | 166  | 416020   | 21.244 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204  | 229411   | 21.680 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.32 | 138  | 68309    | 19.811 | ng/ul# | 76       |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 64582    | 16.984 | ng/ul  | 100      |
| 64) N-Nitrosodiphenylamine     | 15.49 | 169  | 346856   | 19.704 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.17 | 248  | 146785   | 20.765 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.27 | 284  | 157694   | 20.724 | ng/ul# | 88       |
| 67) Atrazine                   | 16.45 | 200  | 145194   | 20.667 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.63 | 266  | 66649    | 16.483 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.02 | 178  | 680963   | 20.469 | ng/ul  | 100      |
| 71) Anthracene                 | 17.10 | 178  | 694763   | 20.247 | ng/ul  | 98       |
| 72) Carbazole                  | 17.39 | 167  | 562455   | 19.857 | ng/ul  | 100      |
| 73) Di-n-butylphthalate        | 17.95 | 149  | 703492   | 21.117 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.04 | 202  | 832249   | 20.957 | ng/ul# | 96       |
| 77) Pyrene                     | 19.40 | 202  | 886012   | 20.035 | ng/ul# | 96       |
| 78) Butylbenzylphthalate       | 20.32 | 149  | 316543   | 20.320 | ng/ul  | 99       |
| 79) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 266339   | 22.132 | ng/ul  | 96       |
| 80) Benzo(a)anthracene         | 21.16 | 228  | 883417   | 20.098 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 464934   | 19.892 | ng/ul  | 98       |
| 82) Chrysene                   | 21.22 | 228  | 815818   | 20.232 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 21.96 | 149  | 793219   | 19.314 | ng/ul  | 99       |
| 85) Benzo(b)fluoranthene       | 22.71 | 252  | 880565m  | 21.040 | ng/ul  |          |
| 86) Benzo(k)fluoranthene       | 22.75 | 252  | 867384   | 21.442 | ng/ul  | 100      |
| 88) Benzo(a)pyrene             | 23.26 | 252  | 813667   | 20.580 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 943014   | 20.206 | ng/ul  | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.54 | 278  | 793947   | 20.145 | ng/ul# | 94       |
| 91) Benzo(g,h,i)perylene       | 26.20 | 276  | 773985   | 20.150 | ng/ul  | 98       |

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

