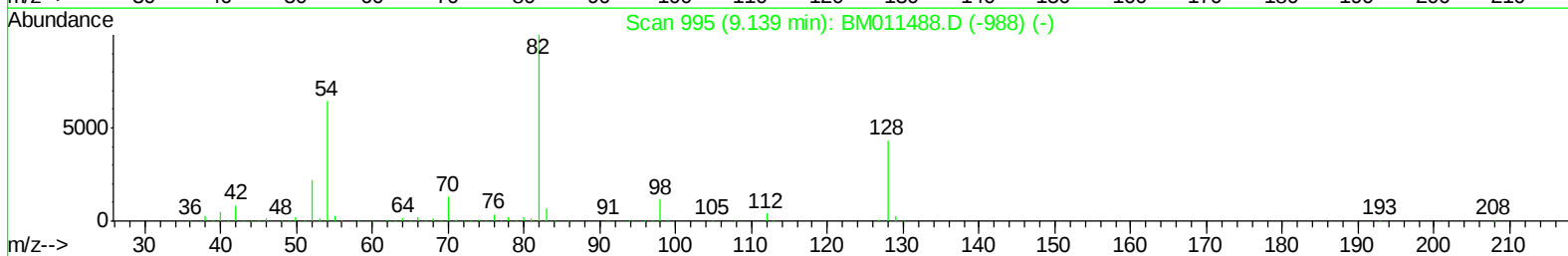
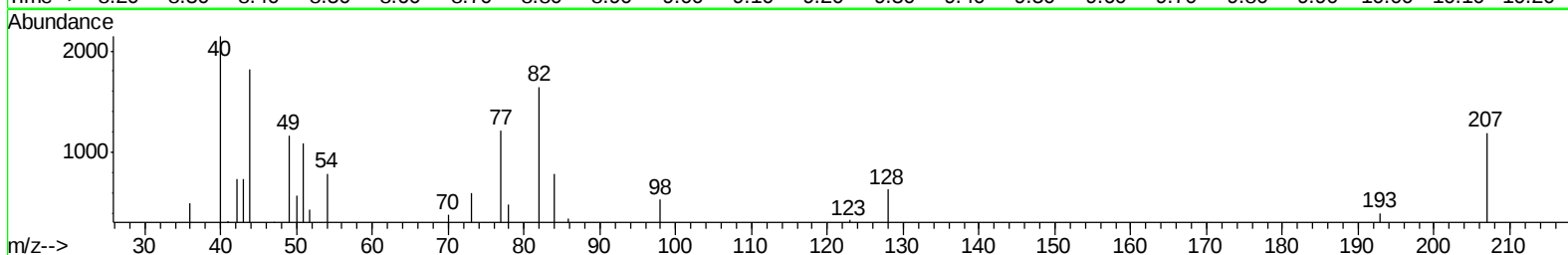
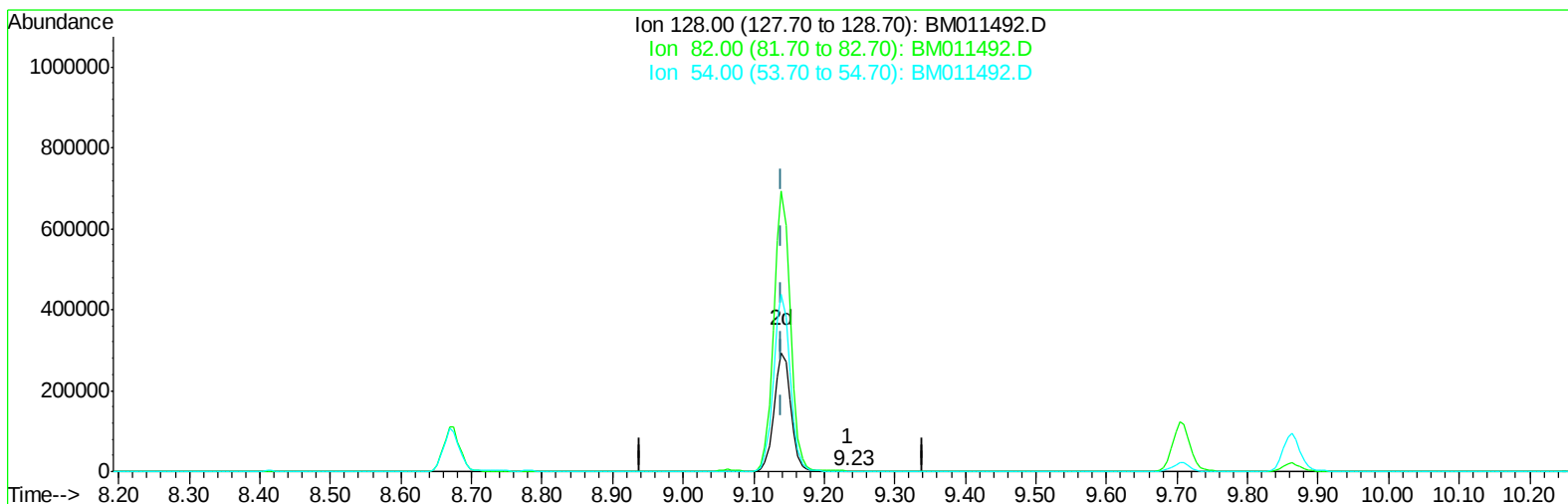


Data Path : Z:\HPCHEM1\BNA\_M\Data\BM091117\  
Data File : BM011492.D  
Acq On : 11 Sep 2017 12:25  
Operator : SJ/JU  
Sample : MDL-S-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:41:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 13:34:52 2017  
Response via : Initial Calibration



TIC: BM011492.D

(19) Nitrobenzene-d5 (S)

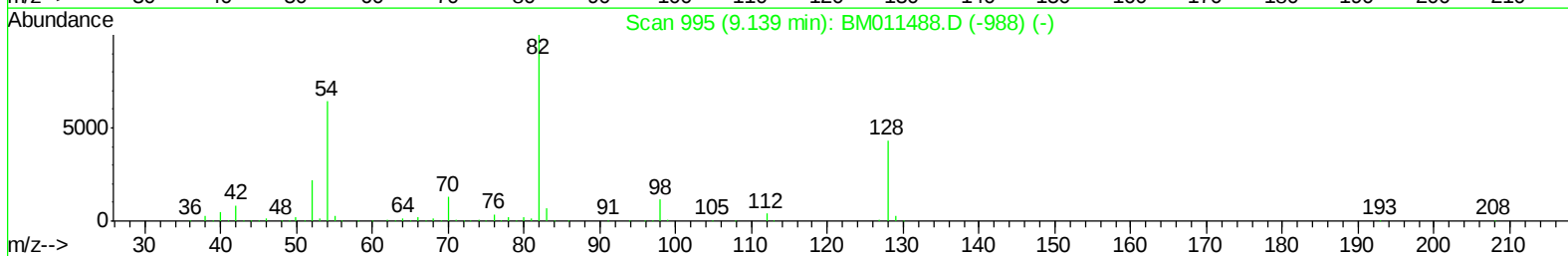
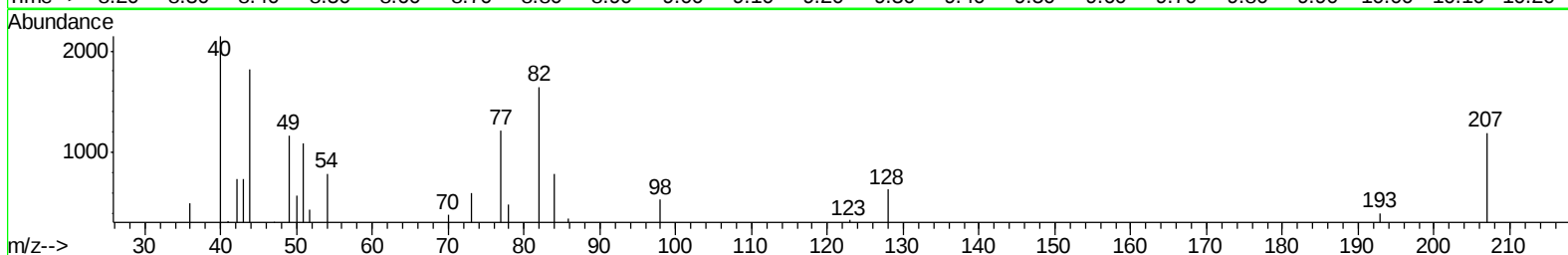
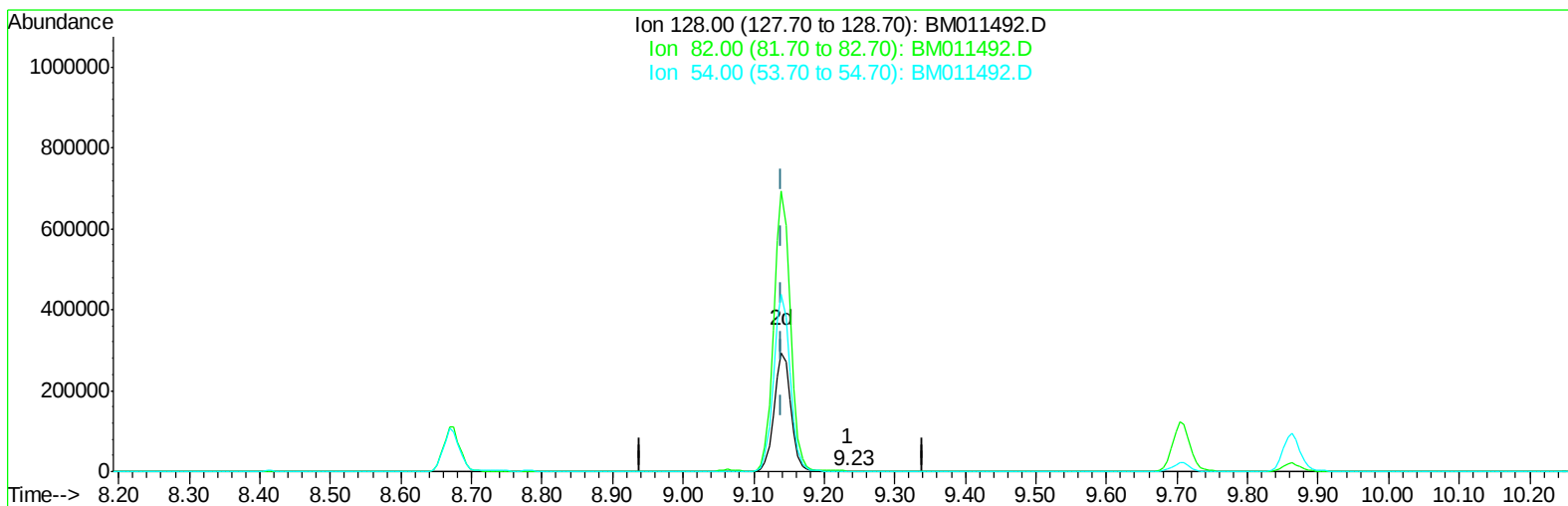
9.233min (+0.094) 0.05ng/ul

response 723

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100    | 100    |
| 82.00  | 244.60 | 261.27 |
| 54.00  | 108.20 | 125.40 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM091117\  
Data File : BM011492.D  
Acq On : 11 Sep 2017 12:25  
Operator : SJ/JU  
Sample : MDL-S-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:41:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 13:34:52 2017  
Response via : Initial Calibration



TIC: BM011492.D

(19) Nitrobenzene-d5 (S)

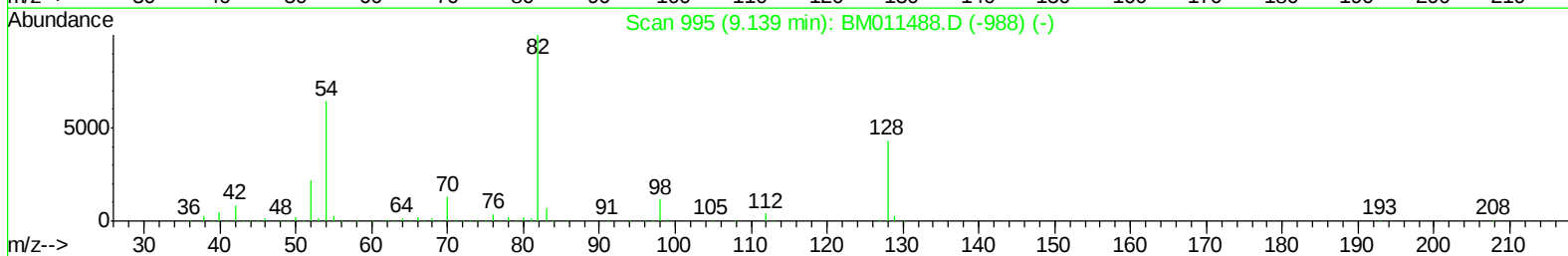
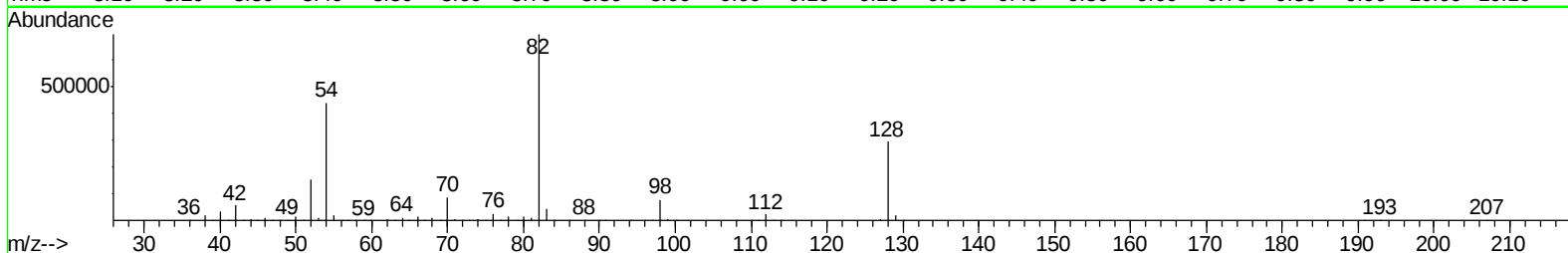
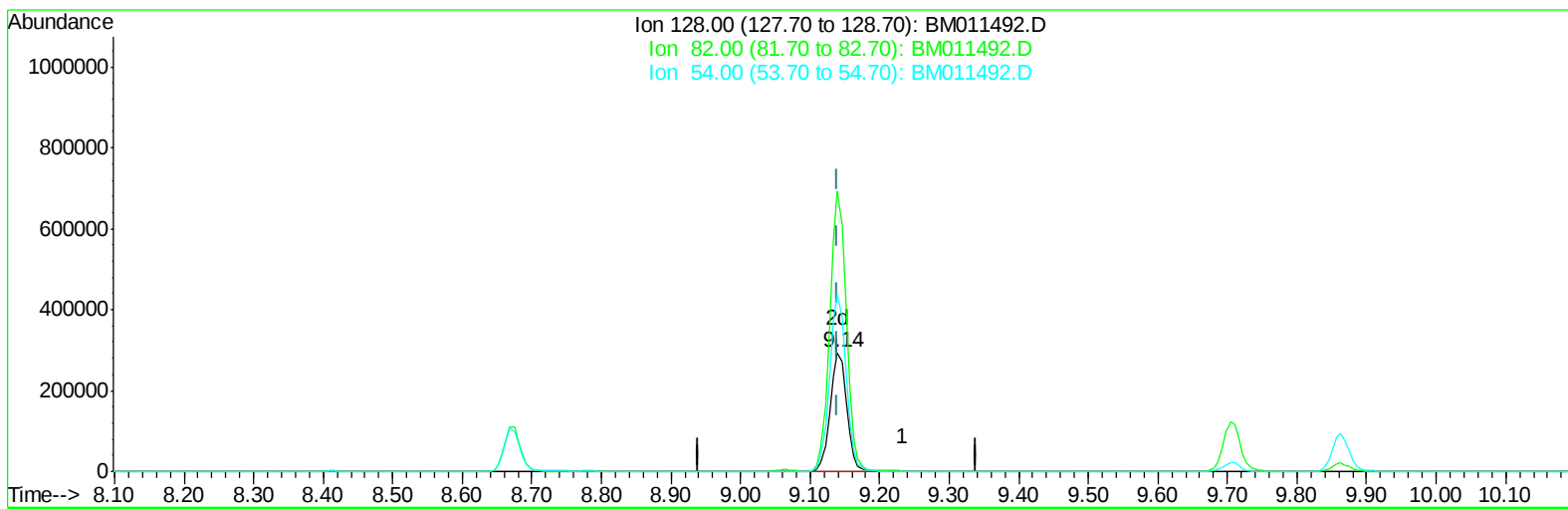
9.233min (+0.094) 0.05ng/ul

response 723

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100    | 100    |
| 82.00  | 244.60 | 261.27 |
| 54.00  | 108.20 | 125.40 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM091117\  
Data File : BM011492.D  
Acq On : 11 Sep 2017 12:25  
Operator : SJ/JU  
Sample : MDL-S-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:41:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 13:34:52 2017  
Response via : Initial Calibration



TIC: BM011492.D

(19) Nitrobenzene-d5 (S)

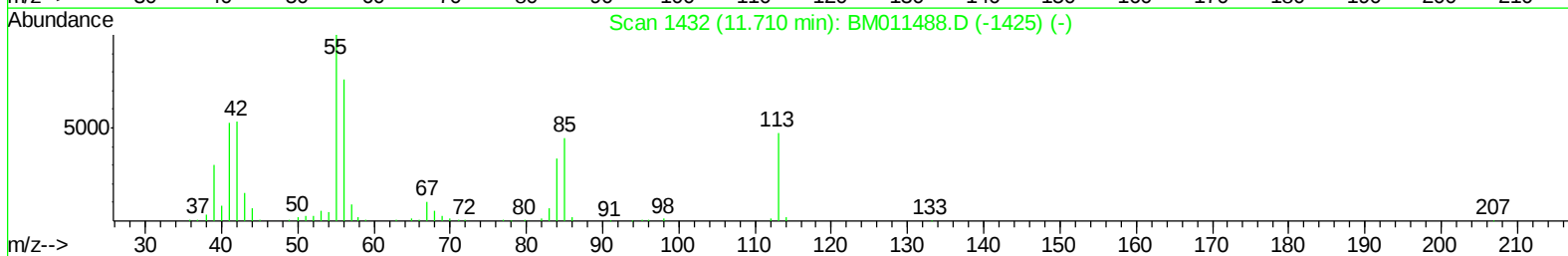
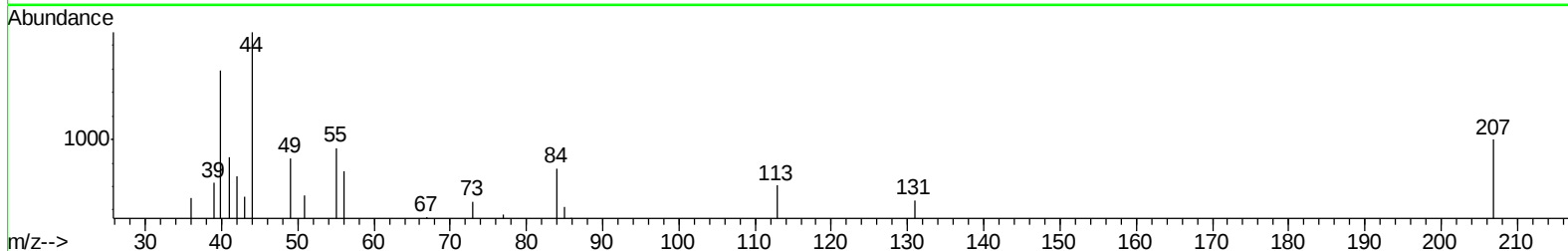
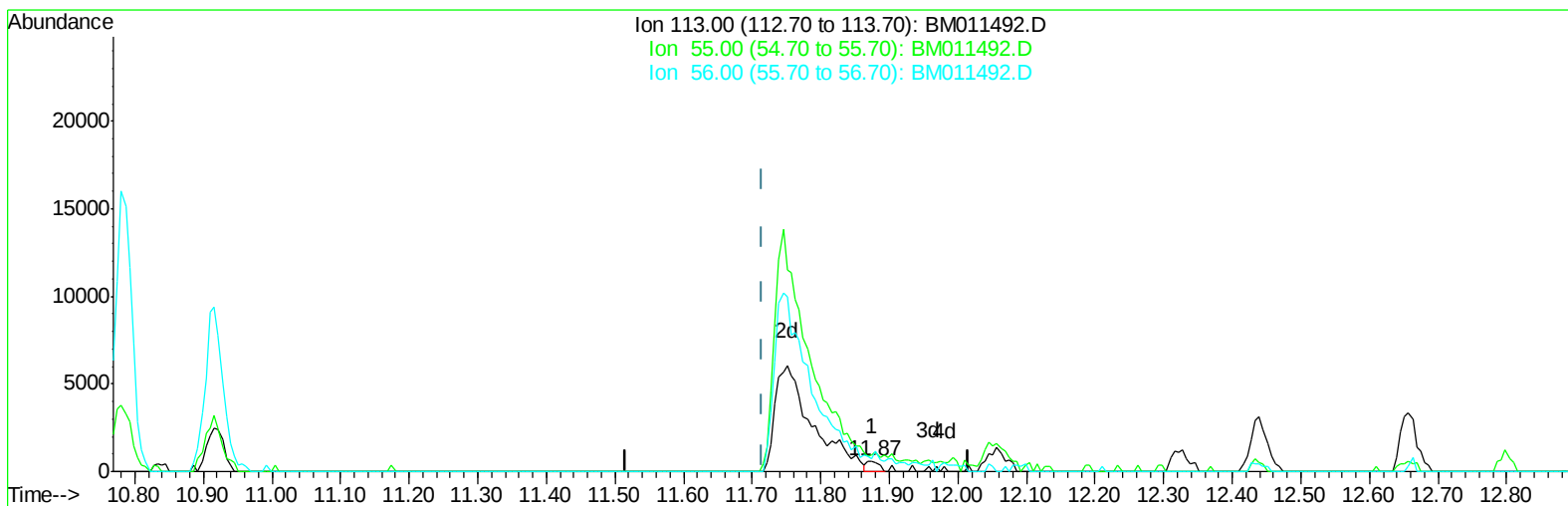
9.139min (-0.000) 32.39ng/ul m

response 481595

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 128.00 | 100    | 100     |
| 82.00  | 244.60 | 235.83  |
| 54.00  | 108.20 | 148.69# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM091117\  
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:41:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 13:34:52 2017  
Response via : Initial Calibration



TIC: BM011492.D

(32) Caprolactam

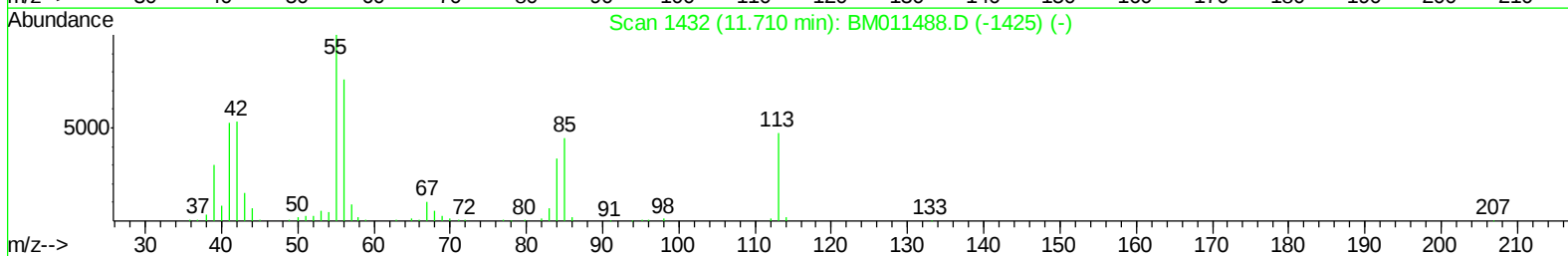
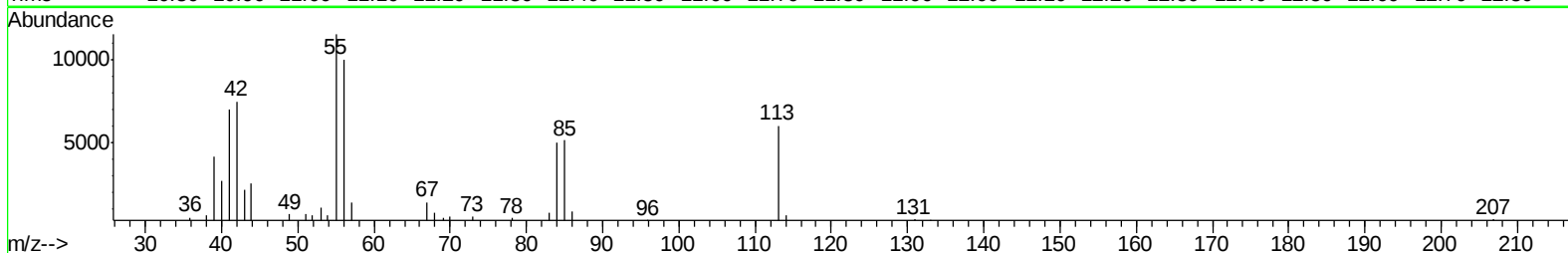
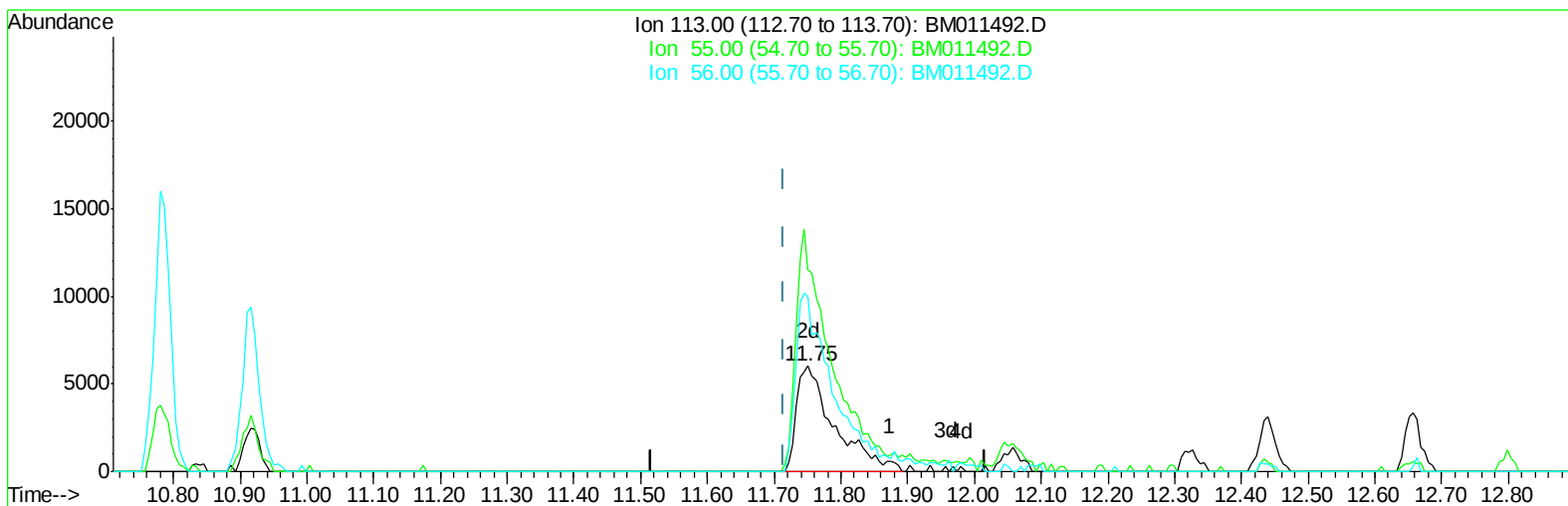
11.874min (+0.159) 0.08ng/ul

response 747

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 164.60 | 153.63 |
| 56.00  | 115.90 | 120.79 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM091117\  
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Sample : MDL-S-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:41:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Sep 11 13:34:52 2017  
Response via : Initial Calibration



TIC: BM011492.D

(32) Caprolactam

11.751min (+0.035) 2.50ng/ul m

response 23618

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 164.60 | 190.76  |
| 56.00  | 115.90 | 164.93# |
| 0.00   | 0.00   | 0.00    |

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 Sample : MDL-S-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:44:32 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 13:34:52 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.98  | 152  | 429051   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.79 | 136  | 1958687  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.61 | 164  | 1162394  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.34 | 188  | 2603927  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.51 | 240  | 2941417  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.88 | 264  | 2823088  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 44550   | 4.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.12  | 99  | 1224003 | 29.71 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.30  | 67  | 899828  | 32.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.50  | 132 | 975712  | 31.43 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.67  | 113 | 1002517 | 31.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.14  | 128 | 481595m | 32.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.86  | 143 | 489401  | 31.67 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.40 | 165 | 928192  | 29.83 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.92 | 131 | 1379265 | 40.16 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.01 | 166 | 3215033 | 32.72 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.30 | 160 | 3930225 | 33.07 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.79 | 143 | 483477  | 26.18 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.60 | 176 | 2775645 | 32.61 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 385042  | 25.41 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.44 | 188 | 4234145 | 33.02 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.73 | 212 | 4664694 | 33.87 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.73 | 264 | 4456367 | 33.12 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue |    |
|--------------------------------|-------|-----|--------|-------|--------|----|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 14617  | 1.398 | ng/uL# | 62 |
| 4) Benzaldehyde                | 7.12  | 77  | 46084  | 1.958 | ng/ul  | 98 |
| 6) Phenol                      | 7.15  | 94  | 124855 | 3.053 | ng/ul  | 97 |
| 8) Bis(2-Chloroethyl)ether     | 7.39  | 93  | 108306 | 3.364 | ng/ul# | 85 |
| 10) 2-Chlorophenol             | 7.54  | 128 | 95257  | 3.145 | ng/ul  | 96 |
| 11) 2-Methylphenol             | 8.41  | 108 | 87426  | 2.820 | ng/ul  | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.51  | 45  | 177462 | 3.401 | ng/ul# | 92 |
| 14) Acetophenone               | 8.80  | 105 | 157033 | 3.194 | ng/ul# | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.78  | 70  | 81725  | 3.098 | ng/ul# | 82 |
| 16) 4-Methylphenol             | 8.73  | 108 | 101611 | 2.995 | ng/ul  | 94 |
| 17) Hexachloroethane           | 9.06  | 117 | 37054  | 3.200 | ng/ul# | 78 |
| 20) Nitrobenzene               | 9.18  | 77  | 115296 | 3.298 | ng/ul  | 91 |
| 21) Isophorone                 | 9.70  | 82  | 216147 | 3.070 | ng/ul  | 98 |
| 23) 2-Nitrophenol              | 9.89  | 139 | 51291  | 3.158 | ng/ul# | 91 |
| 24) 2,4-Dimethylphenol         | 9.95  | 107 | 104807 | 3.016 | ng/ul  | 90 |
| 25) Bis(2-Chloroethoxy)methane | 10.19 | 93  | 142186 | 3.098 | ng/ul  | 97 |
| 27) 2,4-Dichlorophenol         | 10.42 | 162 | 92890  | 3.096 | ng/ul# | 86 |
| 28) Naphthalene                | 10.83 | 128 | 334448 | 3.293 | ng/ul  | 98 |
| 30) 4-Chloroaniline            | 10.94 | 127 | 119451 | 3.661 | ng/ul  | 95 |
| 31) Hexachlorobutadiene        | 11.12 | 225 | 57560  | 3.381 | ng/ul  | 91 |
| 32) Caprolactam                | 11.75 | 113 | 23618m | 2.501 | ng/ul  |    |
| 33) 4-Chloro-3-methylphenol    | 12.05 | 107 | 88050  | 2.768 | ng/ul  | 90 |
| 34) 2-Methylnaphthalene        | 12.44 | 142 | 232334 | 3.080 | ng/ul  | 98 |

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 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 13:44:32 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 11 13:34:52 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.66 | 142  | 232298   | 3.234 | ng/ul# | 93       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216  | 114384   | 3.317 | ng/ul# | 93       |
| 38) Hexachlorocyclopentadiene  | 12.78 | 237  | 42307    | 2.189 | ng/ul# | 87       |
| 39) 2,4,6-Trichlorophenol      | 13.04 | 196  | 61359    | 2.614 | ng/ul  | 97       |
| 40) 2,4,5-Trichlorophenol      | 13.11 | 196  | 66656    | 2.800 | ng/ul  | 97       |
| 41) 1,1'-Biphenyl              | 13.44 | 154  | 306593   | 3.170 | ng/ul# | 92       |
| 42) 2-Chloronaphthalene        | 13.49 | 162  | 232946   | 3.201 | ng/ul  | 97       |
| 43) 2-Nitroaniline             | 13.69 | 65   | 52010    | 2.301 | ng/ul  | 87       |
| 45) Dimethylphthalate          | 14.06 | 163  | 306855   | 3.261 | ng/ul# | 97       |
| 46) 2,6-Dinitrotoluene         | 14.18 | 165  | 42178    | 2.538 | ng/ul  | 91       |
| 48) Acenaphthylene             | 14.33 | 152  | 397372   | 3.322 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.52 | 138  | 41013    | 2.002 | ng/ul# | 98       |
| 50) Acenaphthene               | 14.67 | 153  | 262303   | 3.245 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.72 | 184  | 16552    | 1.612 | ng/ul# | 63       |
| 53) 4-Nitrophenol              | 14.80 | 109  | 32772    | 2.761 | ng/ul# | 53       |
| 54) Dibenzofuran               | 15.00 | 168  | 373950   | 3.308 | ng/ul  | 95       |
| 55) 2,4-Dinitrotoluene         | 14.96 | 165  | 64040    | 2.622 | ng/ul# | 79       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.23 | 232  | 58966    | 2.718 | ng/ul# | 78       |
| 57) Diethylphthalate           | 15.41 | 149  | 299583   | 3.060 | ng/ul  | 96       |
| 59) Fluorene                   | 15.65 | 166  | 308183   | 3.253 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.64 | 204  | 141788   | 3.194 | ng/ul  | 90       |
| 61) 4-Nitroaniline             | 15.66 | 138  | 48657    | 2.217 | ng/ul# | 82       |
| 64) 4,6-Dinitro-2-methylphenol | 15.72 | 198  | 43575    | 2.807 | ng/ul# | 78       |
| 65) N-Nitrosodiphenylamine     | 15.85 | 169  | 246128   | 3.103 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.53 | 248  | 83051    | 3.123 | ng/ul# | 92       |
| 67) Hexachlorobenzene          | 16.65 | 284  | 93884    | 3.207 | ng/ul# | 87       |
| 68) Atrazine                   | 16.80 | 200  | 70916    | 2.580 | ng/ul  | 97       |
| 69) Pentachlorophenol          | 16.99 | 266  | 40491    | 2.154 | ng/ul  | 98       |
| 70) Phenanthrene               | 17.39 | 178  | 477770   | 3.292 | ng/ul  | 99       |
| 72) Anthracene                 | 17.48 | 178  | 492779   | 3.309 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.41 | 216  | 109935   | 3.168 | ng/uL  | 96       |
| 74) Pentachlorobenzene         | 14.92 | 250  | 114421   | 3.251 | ng/uL  | 98       |
| 75) Carbazole                  | 17.74 | 167  | 392743   | 3.091 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 18.30 | 149  | 472495   | 2.831 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.39 | 202  | 508802   | 3.408 | ng/ul# | 86       |
| 80) Pyrene                     | 19.76 | 202  | 596729   | 3.477 | ng/ul# | 87       |
| 81) Butylbenzylphthalate       | 20.64 | 149  | 197127   | 2.498 | ng/ul# | 94       |
| 82) 3,3'-Dichlorobenzidine     | 21.42 | 252  | 125284   | 2.345 | ng/ul# | 96       |
| 83) Benzo(a)anthracene         | 21.49 | 228  | 525106   | 3.242 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.40 | 149  | 306204   | 2.526 | ng/ul# | 95       |
| 85) Chrysene                   | 21.54 | 228  | 495337   | 3.374 | ng/ul  | 99       |
| 87) Di-n-octyl phthalate       | 22.32 | 149  | 512331   | 2.557 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.16 | 252  | 495047   | 2.915 | ng/ul# | 95       |
| 89) Benzo(k)fluoranthene       | 23.20 | 252  | 490755   | 3.009 | ng/ul# | 96       |
| 91) Benzo(a)pyrene             | 23.77 | 252  | 501637   | 3.129 | ng/ul# | 95       |
| 92) Indeno(1,2,3-cd)pyrene     | 26.31 | 276  | 530585   | 3.009 | ng/ul# | 83       |
| 93) Dibenzo(a,h)anthracene     | 26.33 | 278  | 446037   | 2.983 | ng/ul# | 94       |
| 94) Benzo(g,h,i)perylene       | 27.06 | 276  | 438173   | 3.068 | ng/ul# | 89       |

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QLast Update : Mon Sep 11 13:34:52 2017  
Response via : Initial Calibration

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

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