

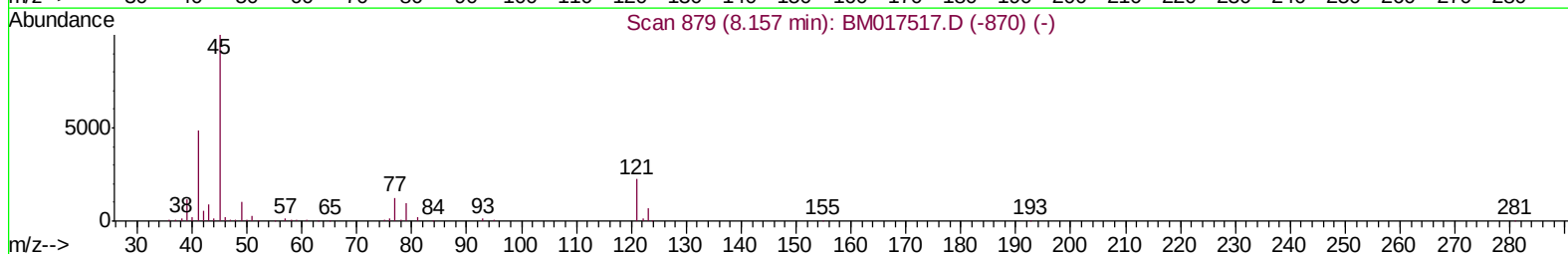
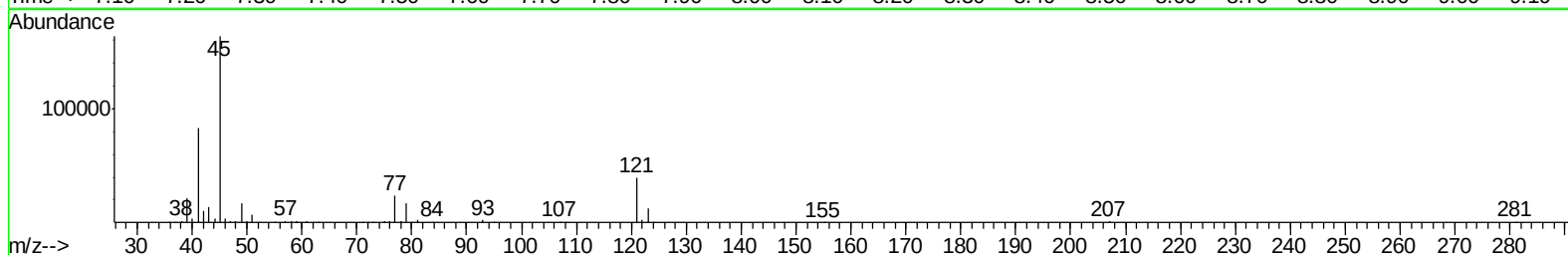
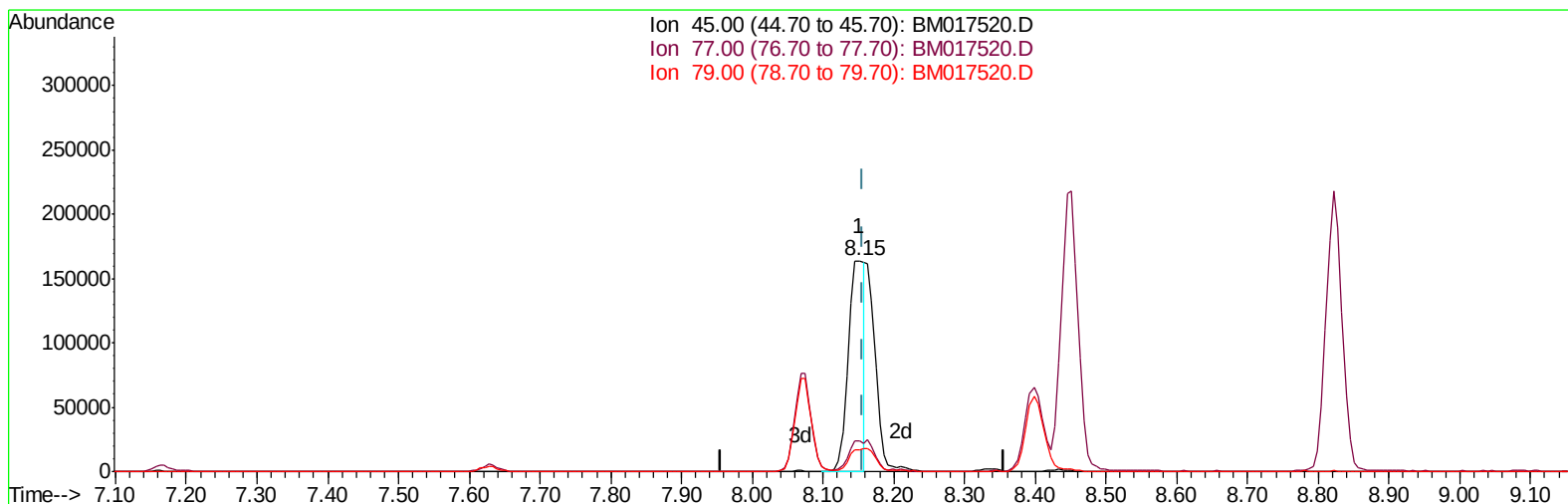
Data File : BM017520.D  
Acq On : 05 Nov 2018 19:43  
Operator : MJ/SJ  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD02090

Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

Quant Time: Nov 06 01:25:50 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 06 01:23:03 2018  
Response via : Initial Calibration



TIC: BM017520.D

(12) 2,2'-oxybis(1-Chloropropane)

8.151min (-0.006) 14.04ng/ul

response 259945

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 45.00 | 100   | 100   |
| 77.00 | 14.60 | 14.38 |
| 79.00 | 10.70 | 10.53 |
| 0.00  | 0.00  | 0.00  |

Data File : BM017520.D

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Sample : SSTDCCC020EC

Misc :

ALS Vial : 2 Sample Multiplier: 1

Instrument :

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LabSampleId :

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Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

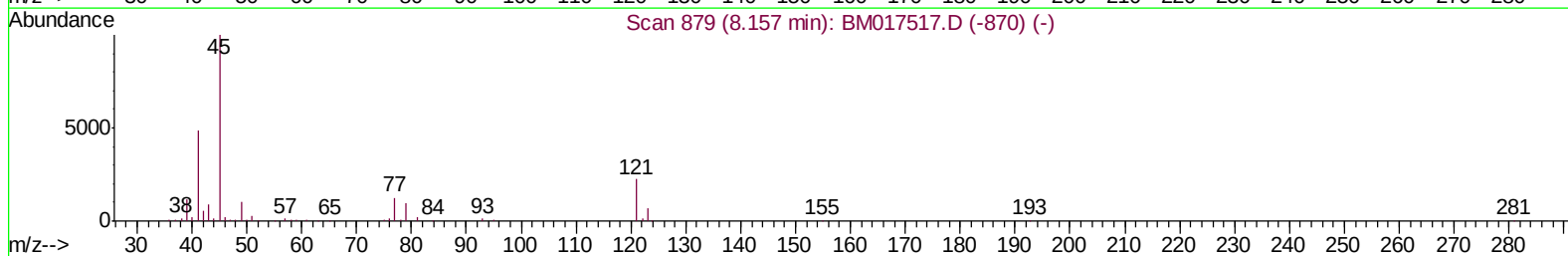
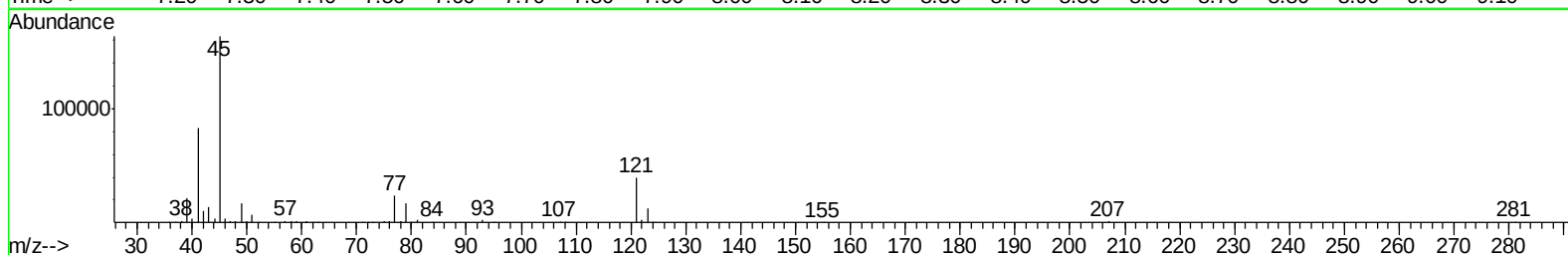
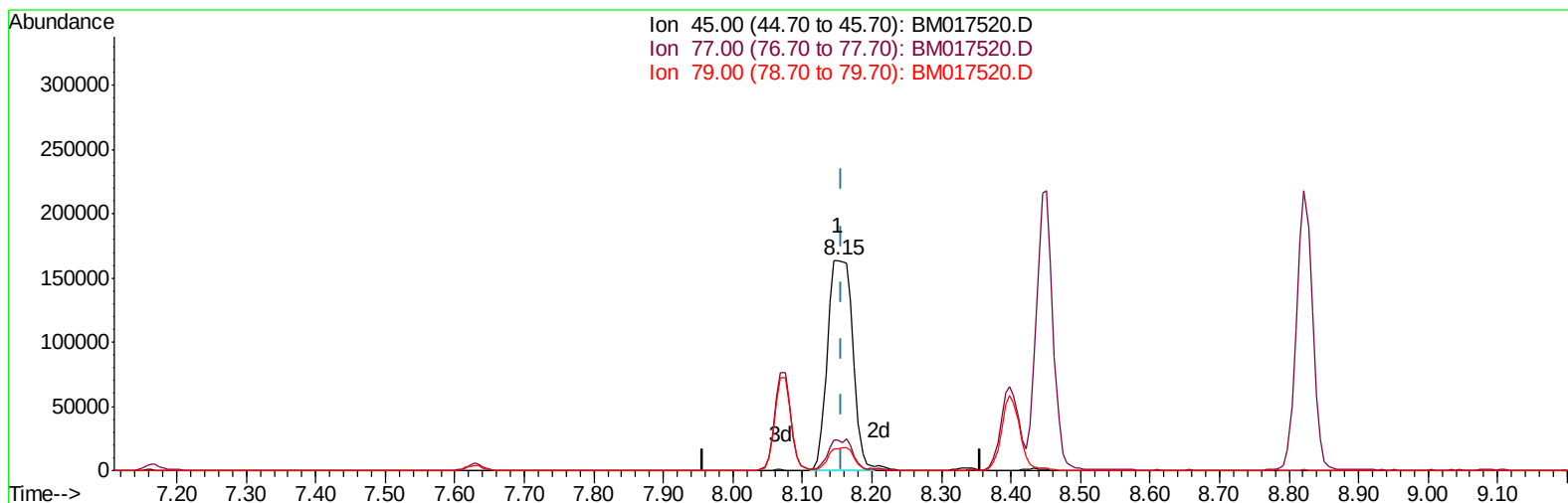
Quant Time: Nov 06 01:25:50 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Nov 06 01:23:03 2018

Response via : Initial Calibration



TIC: BM017520.D

(12) 2,2'-oxybis(1-Chloropropane)

8.151min (-0.006) 22.36ng/ul m

response 413958

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 45.00 | 100   | 100   |
| 77.00 | 14.60 | 14.38 |
| 79.00 | 10.70 | 10.53 |
| 0.00  | 0.00  | 0.00  |

Data File : BM017520.D

Acq On : 05 Nov 2018 19:43

Operator : MJ/SJ

Sample : SSTDCCC020EC

Misc :

ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA\_M

LabSampleId :

SSTD02090

Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

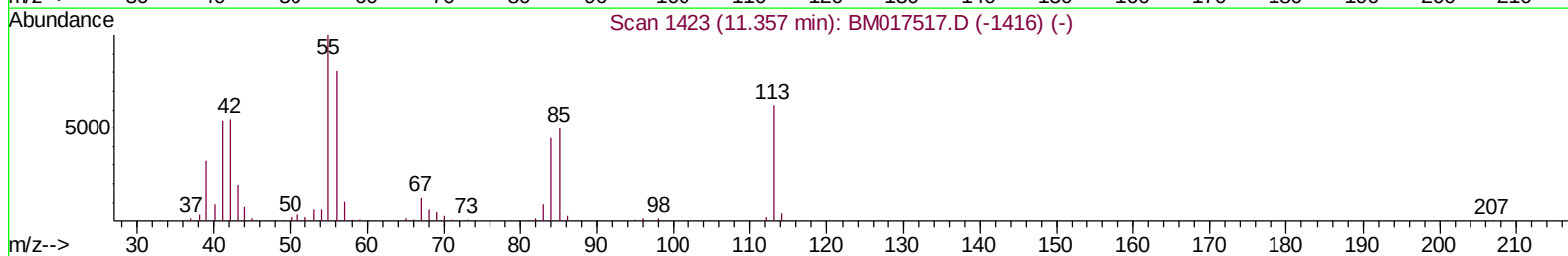
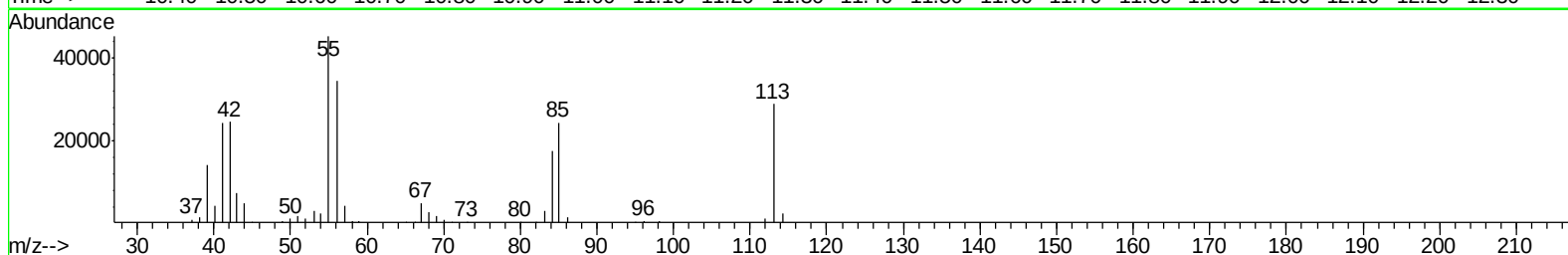
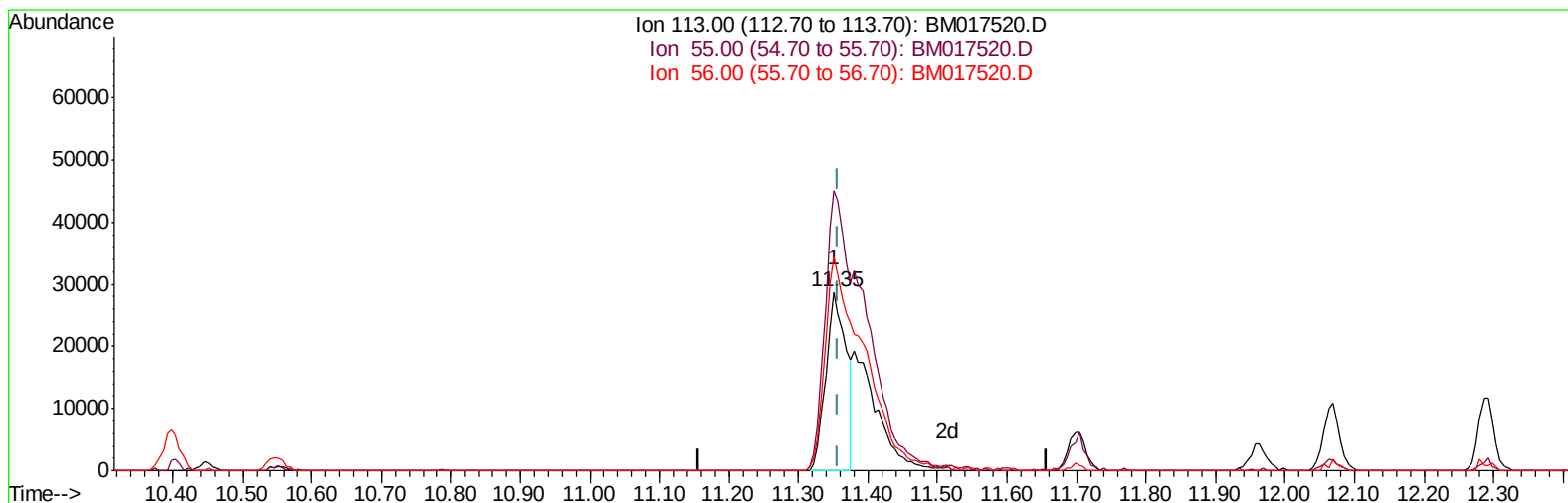
Quant Time: Nov 06 01:25:50 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Nov 06 01:23:03 2018

Response via : Initial Calibration



TIC: BM017520.D

(32) Caprolactam

11.351min (-0.006) 12.15ng/ul

response 58596

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 156.90 | 156.73 |
| 56.00  | 125.50 | 119.49 |
| 0.00   | 0.00   | 0.00   |

Data File : BM017520.D

Acq On : 05 Nov 2018 19:43

Operator : MJ/SJ

Sample : SSTDCCC020EC

Misc :

ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA\_M

LabSampleId :

SSTD02090

Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

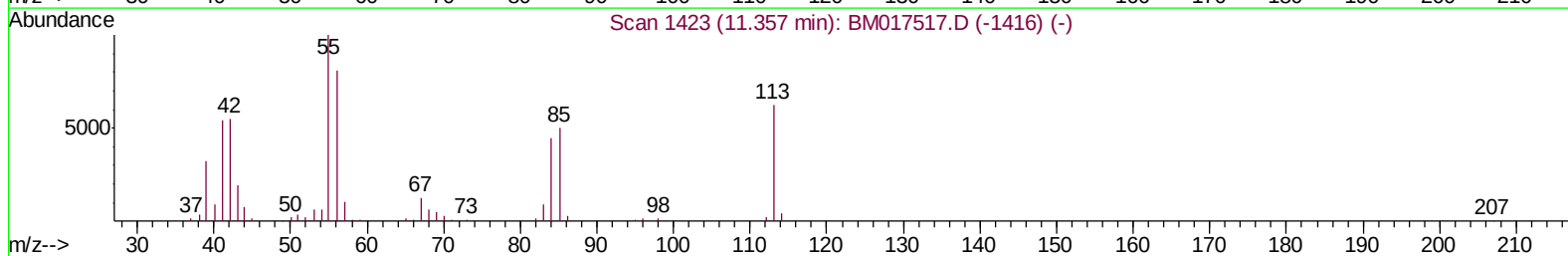
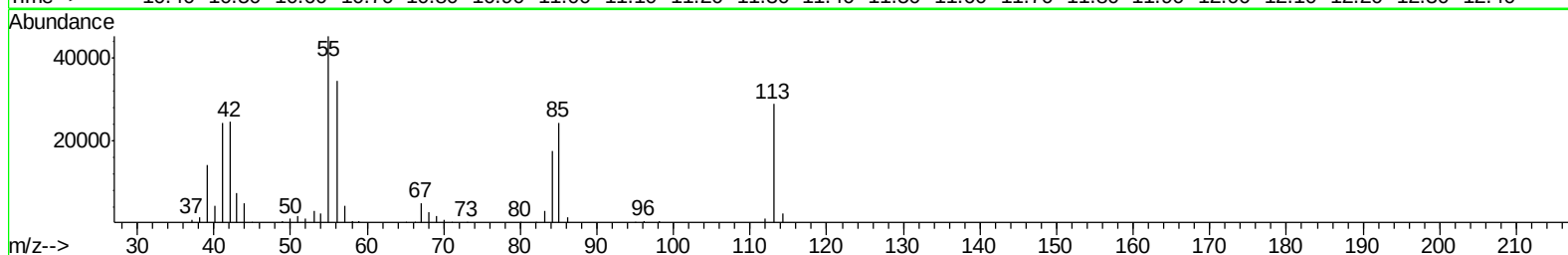
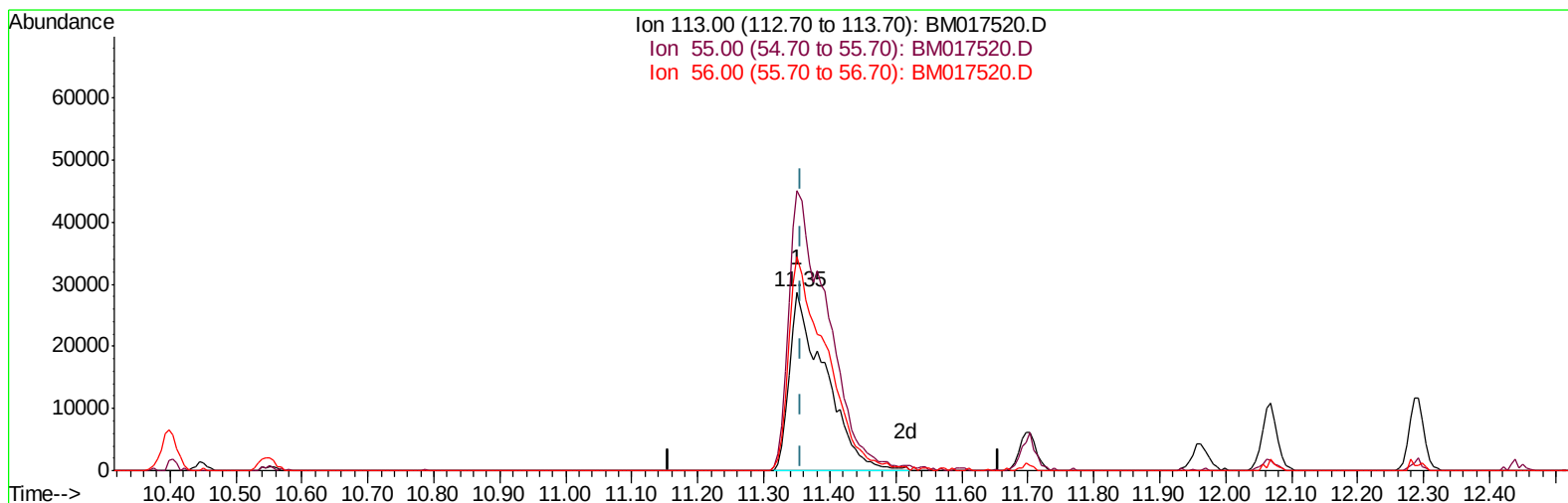
Quant Time: Nov 06 01:25:50 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Nov 06 01:23:03 2018

Response via : Initial Calibration



TIC: BM017520.D

(32) Caprolactam

11.351min (-0.006) 22.06ng/ul m

response 106397

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 156.90 | 156.73 |
| 56.00  | 125.50 | 119.49 |
| 0.00   | 0.00   | 0.00   |

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Instrument :  
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Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

Quant Time: Nov 06 01:30:31 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 06 01:23:03 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 202220   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 911419   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 581032   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 1439559  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.22 | 240  | 1830908  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 1914928  | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 35878   | 8.16  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.81  | 99  | 366118  | 19.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 223981  | 20.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 291158  | 20.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 299039  | 20.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 144105  | 20.23 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 161696  | 20.24 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 313239  | 21.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 279544  | 23.08 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 1040129 | 20.87 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 1236962 | 20.45 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 193700  | 20.81 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 886148  | 20.48 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 197600  | 19.70 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.12 | 188 | 1451574 | 20.37 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.42 | 212 | 1727361 | 20.36 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.28 | 264 | 2117782 | 20.94 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |         |        | Qvalue   |
|--------------------------------|-------|-----|---------|--------|----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 39215   | 8.854  | ng/ul 95 |
| 4) Benzaldehyde                | 6.79  | 77  | 65181   | 18.515 | ng/ul 99 |
| 6) Phenol                      | 6.84  | 94  | 363249  | 19.804 | ng/ul 98 |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93  | 283150  | 20.377 | ng/ul 95 |
| 10) 2-Chlorophenol             | 7.20  | 128 | 290292  | 20.178 | ng/ul 97 |
| 11) 2-Methylphenol             | 8.07  | 108 | 277792  | 20.110 | ng/ul 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 413958m | 22.356 | ng/ul    |
| 14) Acetophenone               | 8.45  | 105 | 453781  | 20.164 | ng/ul 97 |
| 15) N-Nitroso-di-n-propylamine | 8.43  | 70  | 240217  | 21.731 | ng/ul 92 |
| 16) 4-Methylphenol             | 8.40  | 108 | 298604  | 20.071 | ng/ul 95 |
| 17) Hexachloroethane           | 8.69  | 117 | 116508  | 20.710 | ng/ul 93 |
| 20) Nitrobenzene               | 8.82  | 77  | 349162  | 20.741 | ng/ul 95 |
| 21) Isophorone                 | 9.35  | 82  | 661576  | 21.648 | ng/ul 99 |
| 23) 2-Nitrophenol              | 9.53  | 139 | 171891  | 20.425 | ng/ul 93 |
| 24) 2,4-Dimethylphenol         | 9.59  | 107 | 356873  | 21.329 | ng/ul 95 |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 406773  | 20.978 | ng/ul 99 |
| 27) 2,4-Dichlorophenol         | 10.05 | 162 | 294804  | 20.739 | ng/ul 99 |
| 28) Naphthalene                | 10.45 | 128 | 961423  | 20.164 | ng/ul 99 |
| 30) 4-Chloroaniline            | 10.57 | 127 | 288885  | 23.330 | ng/ul 99 |
| 31) Hexachlorobutadiene        | 10.73 | 225 | 192273  | 20.451 | ng/ul 98 |
| 32) Caprolactam                | 11.35 | 113 | 106397m | 22.064 | ng/ul    |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107 | 343564  | 21.978 | ng/ul 96 |
| 34) 2-Methylnaphthalene        | 12.07 | 142 | 722727  | 20.628 | ng/ul 99 |

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Instrument :  
BNA\_M  
LabSampleId :  
SSTD02090

Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

Quant Time: Nov 06 01:30:31 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 06 01:23:03 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.29 | 142  | 700234   | 20.845 | ng/ul | 97       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216  | 382924   | 19.609 | ng/ul | 97       |
| 38) Hexachlorocyclopentadiene  | 12.42 | 237  | 218821   | 17.572 | ng/ul | 97       |
| 39) 2,4,6-Trichlorophenol      | 12.69 | 196  | 255645   | 20.634 | ng/ul | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 274923   | 20.618 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 952832   | 19.823 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.14 | 162  | 741753   | 19.750 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.36 | 65   | 231587   | 21.872 | ng/ul | 90       |
| 45) Dimethylphthalate          | 13.74 | 163  | 1004334  | 20.804 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.86 | 165  | 201970   | 20.846 | ng/ul | 96       |
| 48) Acenaphthylene             | 13.99 | 152  | 1153566  | 20.317 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.19 | 138  | 186970   | 20.473 | ng/ul | 93       |
| 50) Acenaphthene               | 14.33 | 153  | 827256   | 20.348 | ng/ul | 98       |
| 51) 2,4-Dinitrophenol          | 14.40 | 184  | 119714   | 18.597 | ng/ul | 88       |
| 53) 4-Nitrophenol              | 14.50 | 109  | 155186   | 21.987 | ng/ul | 96       |
| 54) Dibenzofuran               | 14.67 | 168  | 1178058  | 20.455 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.65 | 165  | 312833   | 21.643 | ng/ul | 92       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 263298   | 21.335 | ng/ul | 97       |
| 57) Diethylphthalate           | 15.11 | 149  | 1060976  | 21.983 | ng/ul | 99       |
| 59) Fluorene                   | 15.33 | 166  | 985716   | 20.763 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 504462   | 20.766 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.36 | 138  | 213447   | 19.492 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 202361   | 19.757 | ng/ul | 98       |
| 65) N-Nitrosodiphenylamine     | 15.54 | 169  | 882017   | 20.390 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 323405   | 20.006 | ng/ul | 97       |
| 67) Hexachlorobenzene          | 16.33 | 284  | 364342   | 19.977 | ng/ul | 98       |
| 68) Atrazine                   | 16.50 | 200  | 337091   | 21.182 | ng/ul | 100      |
| 69) Pentachlorophenol          | 16.67 | 266  | 231425   | 20.319 | ng/ul | 99       |
| 70) Phenanthrene               | 17.07 | 178  | 1655106  | 20.022 | ng/ul | 100      |
| 72) Anthracene                 | 17.16 | 178  | 1698401  | 20.229 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216  | 381528   | 18.797 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.59 | 250  | 403395   | 19.319 | ng/uL | 98       |
| 75) Carbazole                  | 17.43 | 167  | 1532634  | 20.877 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 18.00 | 149  | 1937035  | 22.581 | ng/ul | 99       |
| 77) Fluoranthene               | 19.09 | 202  | 2082648  | 21.979 | ng/ul | 98       |
| 80) Pyrene                     | 19.46 | 202  | 2147909  | 20.202 | ng/ul | 100      |
| 81) Butylbenzylphthalate       | 20.37 | 149  | 961568   | 22.657 | ng/ul | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.14 | 252  | 769497   | 21.489 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.21 | 228  | 2322258  | 20.727 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 1530624  | 24.678 | ng/ul | 97       |
| 85) Chrysene                   | 21.26 | 228  | 2180584  | 20.467 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.01 | 149  | 2574087  | 25.807 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.76 | 252  | 2401210  | 21.422 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 22.81 | 252  | 2277229  | 20.798 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.33 | 252  | 2257759  | 20.618 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 2566534  | 19.263 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.62 | 278  | 2177691  | 19.573 | ng/ul | 100      |
| 94) Benzo(g,h,i)perylene       | 26.28 | 276  | 2118113  | 18.713 | ng/ul | 97       |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM110518\  
Quantitation Report (QT Reviewed)

Data File : BM017520.D  
Acq On : 05 Nov 2018 19:43  
Operator : MJ/SJ  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD02090

Manual Integrations  
APPROVED

Sohil  
11/6/2018 1:20:39 PM

Quant Time: Nov 06 01:30:31 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Nov 06 01:23:03 2018  
Response via : Initial Calibration

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

Data File : BM017520.D

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Acq On       : 05 Nov 2018 19:43
Operator    : MJ/SJ
Sample      : SSTDCCC020EC
Misc        :
ALS Vial     : 2      Sample Multipl
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**Instrument :**  
BNA\_M  
**LabSampleId :**  
SSTD02090

## Manual Integrations APPROVED

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11/6/2018 1:20:39 PM

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