

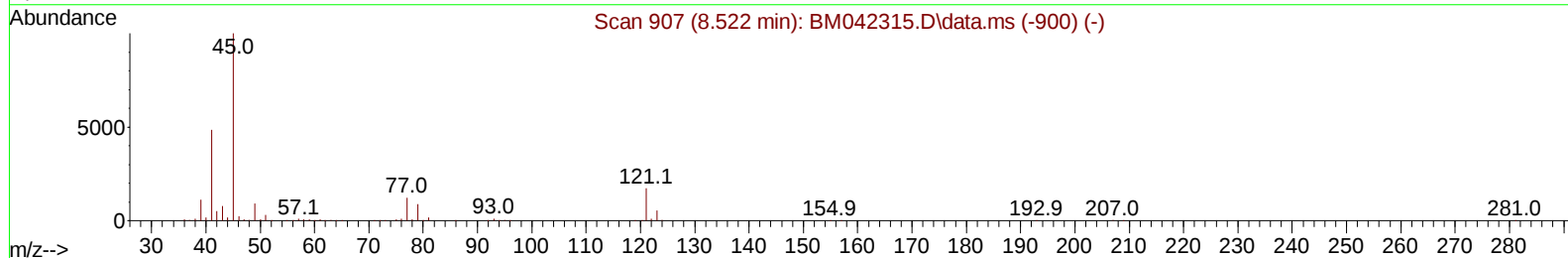
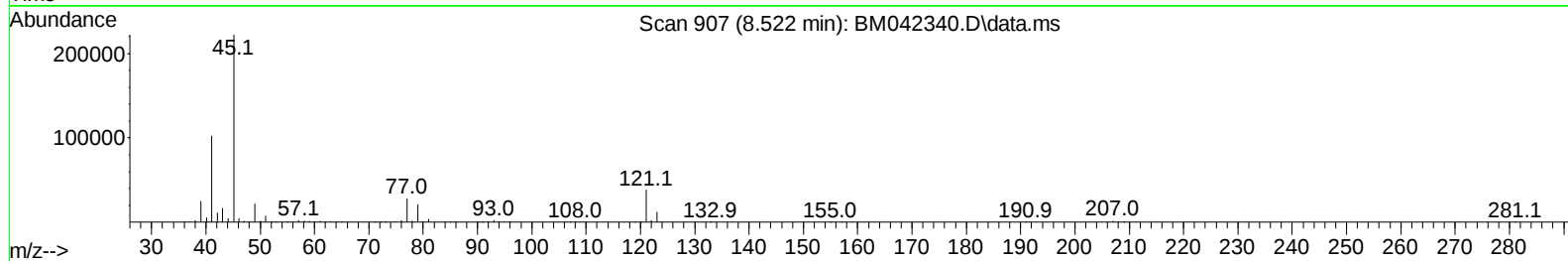
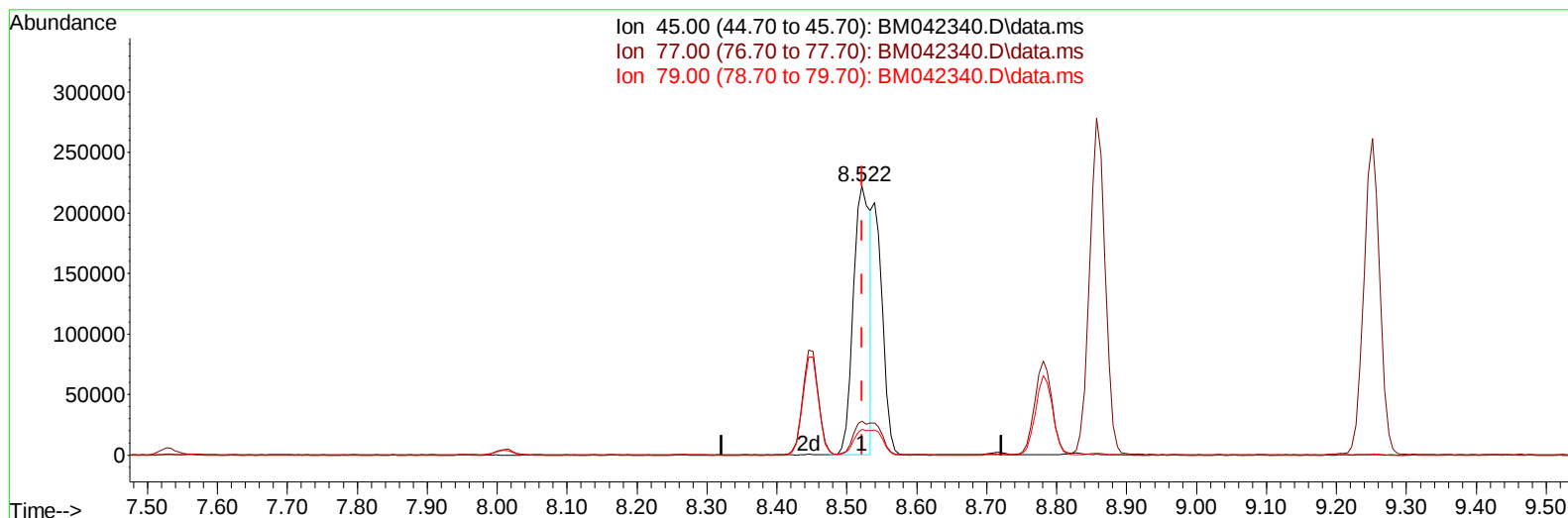
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101723\  
 Data File : BM042340.D  
 Acq On : 18 Oct 2023 03:31  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:50:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM101223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 18 02:04:27 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023  
 Supervised By :mohammad ahmed 10/19/2023



TIC: BM042340.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.522min (+ 0.000) 12.94 ng/u1**

**response 376787**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 13.10  | 12.70  |
| 79.00 | 9.10   | 9.60   |
| 0.00  | 0.00   | 0.00   |

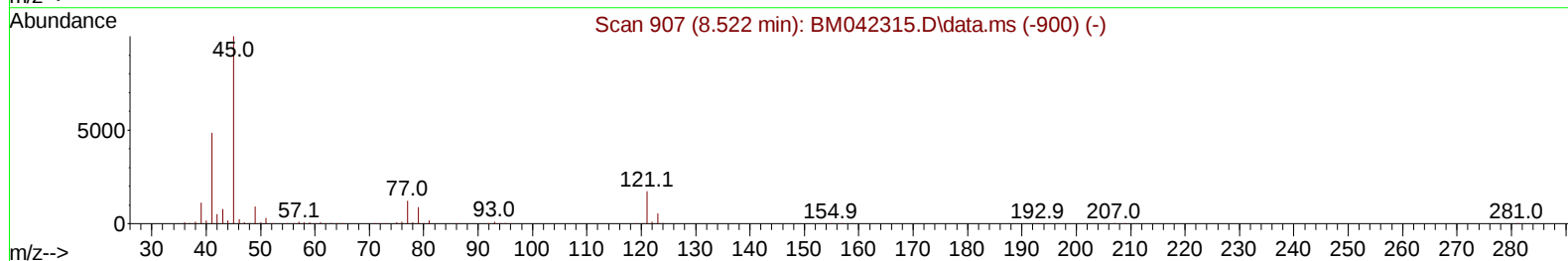
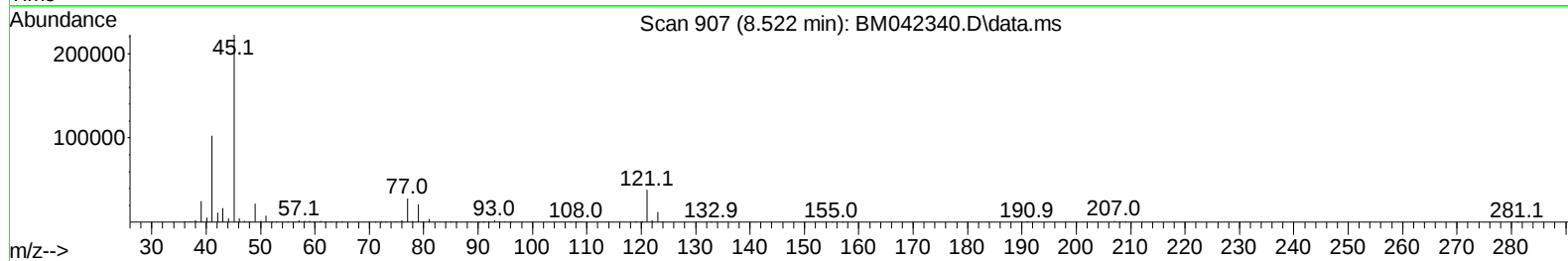
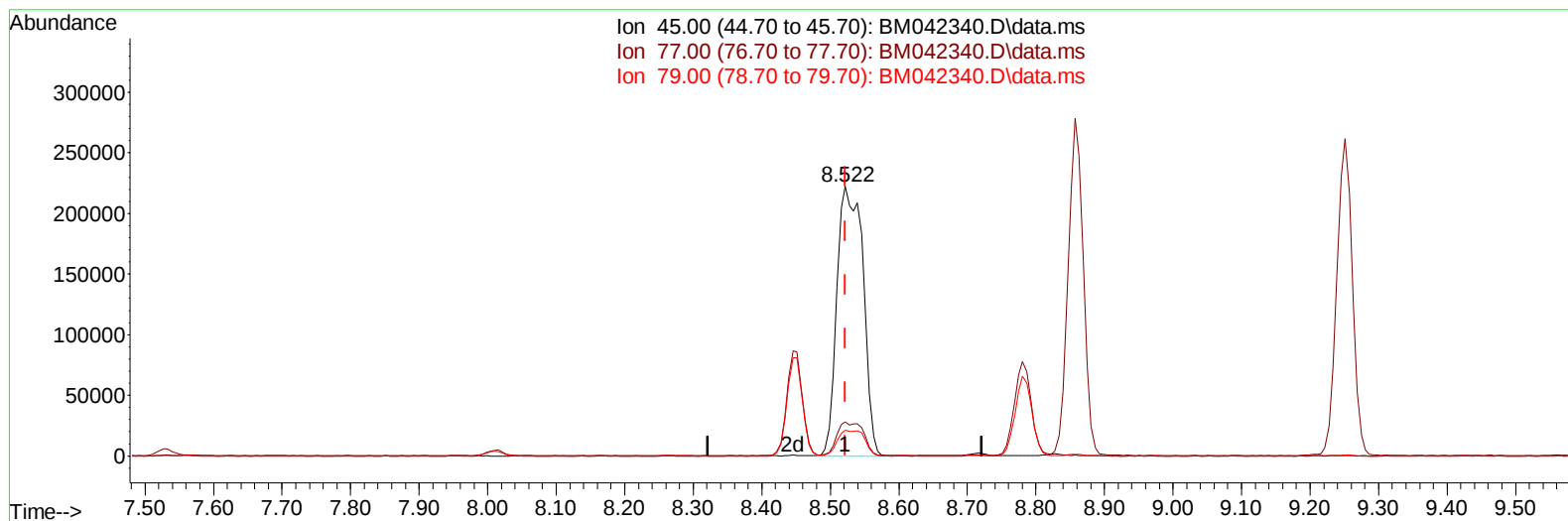
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101723\  
 Data File : BM042340.D  
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Instrument :  
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 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:50:31 2023  
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TIC: BM042340.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.522min (+ 0.000) 20.00 ng/ul m

response 582537

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 13.10  | 12.70  |
| 79.00 | 9.10   | 9.60   |
| 0.00  | 0.00   | 0.00   |

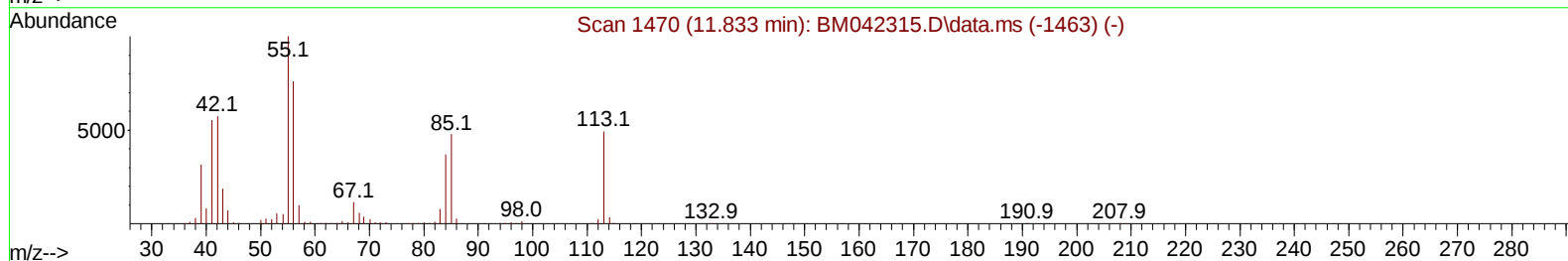
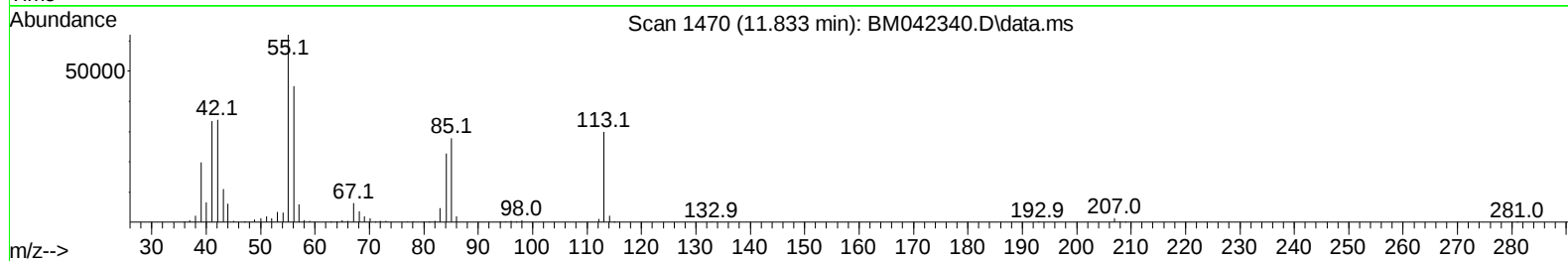
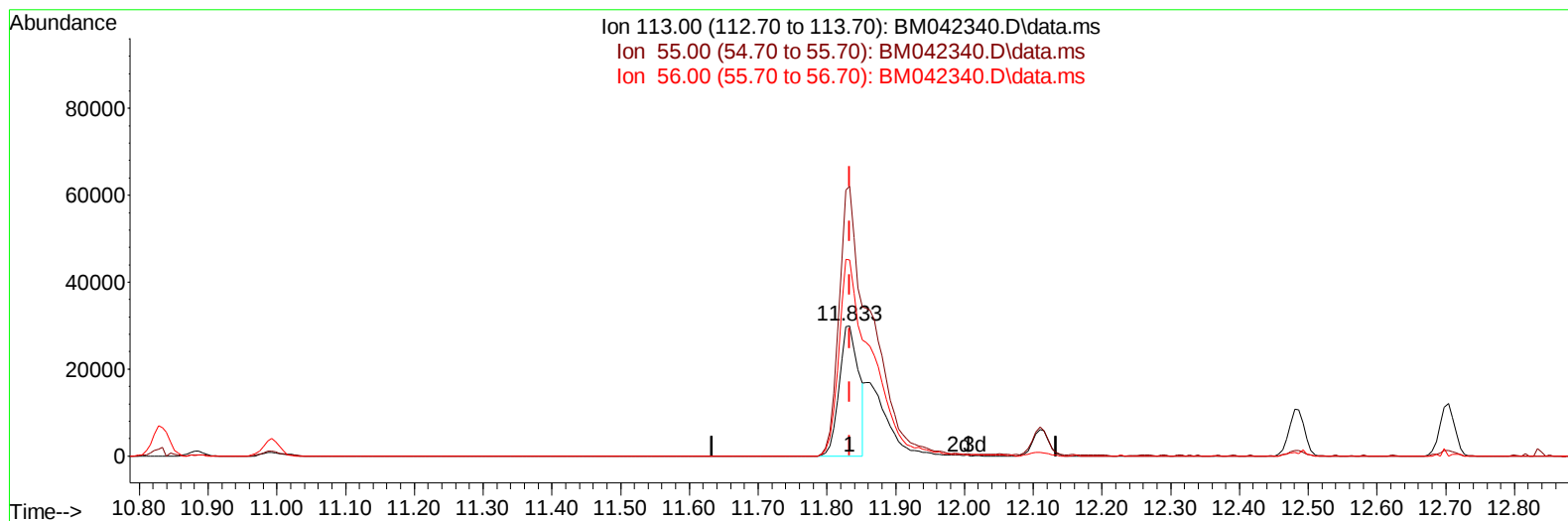
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101723\  
 Data File : BM042340.D  
 Acq On : 18 Oct 2023 03:31  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:50:31 2023  
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Reviewed By :Yogesh Patel 10/18/2023  
 Supervised By :mohammad ahmed 10/19/2023



TIC: BM042340.D\data.ms

(34) Caprolactam

11.833min (+ 0.000) 12.38 ng/ul

response 58306

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 202.60 | 207.24 |
| 56.00  | 155.20 | 150.76 |
| 0.00   | 0.00   | 0.00   |

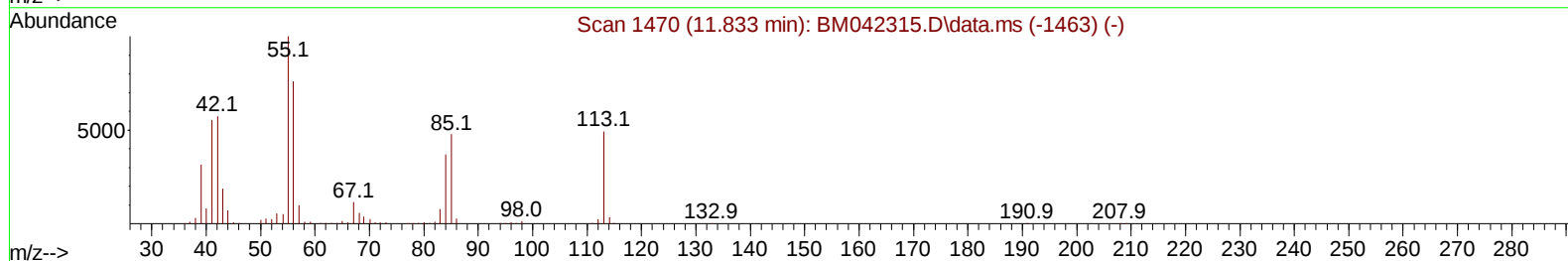
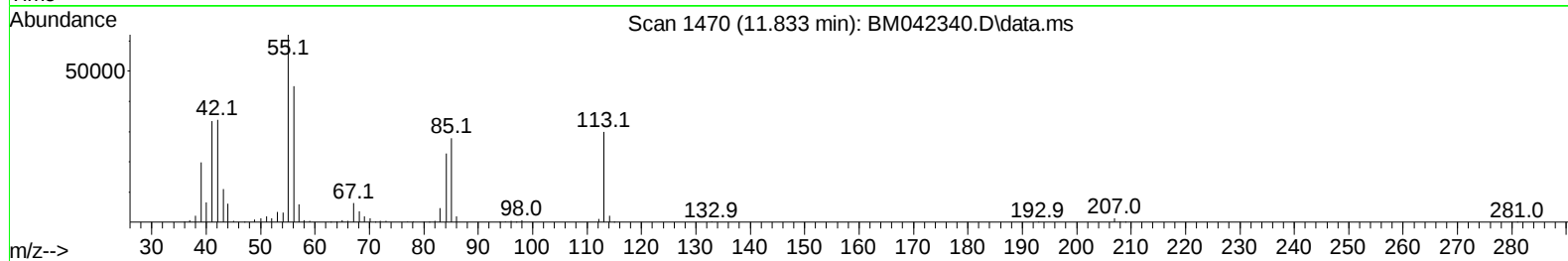
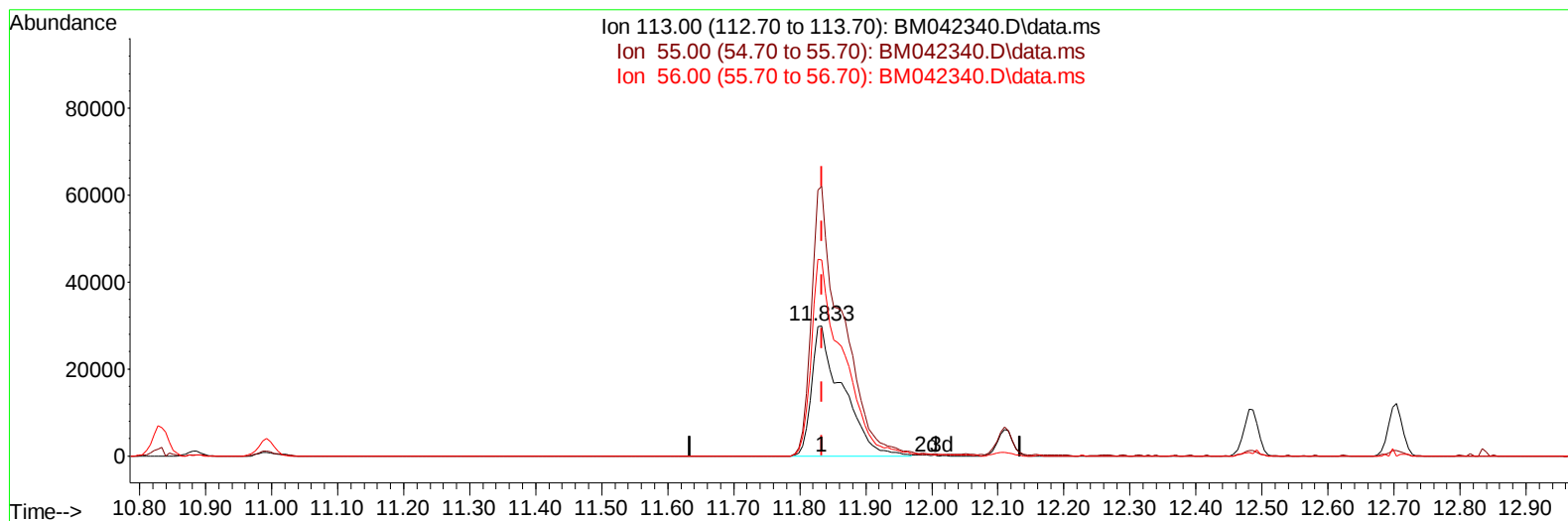
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101723\  
 Data File : BM042340.D  
 Acq On : 18 Oct 2023 03:31  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:50:31 2023  
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Reviewed By :Yogesh Patel 10/18/2023  
 Supervised By :mohammad ahmed 10/19/2023



TIC: BM042340.D\data.ms

**(34) Caprolactam**

11.833min (+ 0.000) 20.59 ng/ul m

response 96930

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 202.60 | 207.24 |
| 56.00  | 155.20 | 150.76 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101723\  
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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:51:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM101223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 18 02:04:27 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023  
 Supervised By :mohammad ahmed 10/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.010  | 152  | 183786   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.833 | 136  | 796882   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.651 | 164  | 472379   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.404 | 188  | 1006058  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.580 | 240  | 946680   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.050 | 264  | 948571   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.369  | 96   | 49427    | 8.403  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.805  | 84   | 373173   | 21.422 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.157  | 99   | 408821   | 20.072 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.351  | 67   | 277187   | 20.141 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.528  | 132  | 289319   | 20.649 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.716  | 113  | 308010   | 19.095 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.204  | 128  | 142565   | 21.065 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.922  | 143  | 152385   | 21.063 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.439 | 165  | 279190   | 21.147 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.992 | 131  | 426560   | 20.520 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.069 | 166  | 854469   | 20.867 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.351 | 160  | 967979   | 21.598 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.863 | 143  | 164596   | 19.984 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.639 | 176  | 710451   | 21.106 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.768 | 200  | 135972   | 19.293 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.504 | 188  | 1091011  | 21.170 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1264026  | 21.908 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.886 | 264  | 1122452  | 21.558 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 51724    | 8.023  | ng/uL  | 98       |
| 5) Pyridine                   | 3.822  | 79   | 385807   | 21.393 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.169  | 77   | 243122   | 23.350 | ng/ul  | 97       |
| 8) Phenol                     | 7.187  | 94   | 413015   | 20.079 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.445  | 93   | 344654   | 20.177 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.563  | 128  | 305538   | 20.877 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.451  | 108  | 300001   | 19.541 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.522  | 45   | 582537m  | 20.002 | ng/ul  |          |
| 16) Acetophenone              | 8.857  | 105  | 503414   | 20.103 | ng/ul  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.828  | 70   | 293353   | 19.793 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.781  | 108  | 328208   | 19.399 | ng/ul  | 99       |
| 19) Hexachloroethane          | 9.075  | 117  | 128794   | 20.859 | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.251  | 77   | 409282   | 21.382 | ng/ul  | 99       |
| 23) Isophorone                | 9.763  | 82   | 789773   | 21.278 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.951  | 139  | 167171   | 21.116 | ng/ul  | 98       |
| 26) 2,4-Dimethylphenol        | 9.986  | 107  | 352776   | 20.967 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.245 | 93   | 481112   | 20.730 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.469 | 162  | 273954   | 21.246 | ng/ul  | 99       |
| 30) Naphthalene               | 10.886 | 128  | 992156   | 21.240 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 11.016 | 127  | 429730   | 21.387 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.110 | 225  | 160420   | 21.552 | ng/ul  | 98       |
| 34) Caprolactam               | 11.833 | 113  | 96930m   | 20.587 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.110 | 107  | 338916   | 21.338 | ng/ul  | 98       |

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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Oct 18 04:51:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM101223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 18 02:04:27 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/18/2023  
 Supervised By :mohammad ahmed 10/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.486 | 142  | 666755   | 20.853 | ng/ul | 99       |
| 37) 1-Methylnaphthalene       | 12.704 | 142  | 679688   | 21.032 | ng/ul | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.833 | 216  | 321596   | 21.621 | ng/ul | 98       |
| 40) Hexachlorocyclopentadiene | 12.780 | 237  | 173850   | 18.060 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.086 | 196  | 214916   | 21.611 | ng/ul | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.151 | 196  | 231943   | 21.725 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.486 | 154  | 864092   | 21.343 | ng/ul | 98       |
| 44) 2-Chloronaphthalene       | 13.539 | 162  | 666986   | 21.493 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.769 | 65   | 250709   | 22.471 | ng/ul | 99       |
| 47) Dimethylphthalate         | 14.116 | 163  | 848560   | 20.825 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.257 | 165  | 160891   | 21.811 | ng/ul | 100      |
| 50) Acenaphthylene            | 14.380 | 152  | 1135431  | 21.937 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.598 | 138  | 176394   | 20.287 | ng/ul | 99       |
| 52) Acenaphthene              | 14.716 | 153  | 753242   | 21.664 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.798 | 184  | 86285    | 17.282 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.880 | 109  | 137035   | 20.510 | ng/ul | 98       |
| 56) Dibenzofuran              | 15.051 | 168  | 1002274  | 21.458 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.039 | 165  | 238545   | 21.932 | ng/ul | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.263 | 232  | 195147   | 21.780 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.463 | 149  | 886751   | 21.319 | ng/ul | 99       |
| 61) Fluorene                  | 15.698 | 166  | 838525   | 21.645 | ng/ul | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.686 | 204  | 408093   | 21.816 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.757 | 138  | 170219   | 21.889 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.786 | 198  | 147057   | 19.953 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.910 | 169  | 691505   | 21.605 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.586 | 248  | 227405   | 21.015 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.668 | 284  | 258238   | 20.989 | ng/ul | 98       |
| 70) Atrazine                  | 16.857 | 200  | 238918   | 21.755 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.027 | 266  | 161067   | 19.320 | ng/ul | 97       |
| 72) Phenanthrene              | 17.445 | 178  | 1314303  | 21.297 | ng/ul | 99       |
| 74) Anthracene                | 17.539 | 178  | 1328483  | 21.402 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.445 | 216  | 332531   | 22.308 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.945 | 250  | 321833   | 21.988 | ng/uL | 99       |
| 77) Carbazole                 | 17.821 | 167  | 1216130  | 21.508 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.339 | 149  | 1564598  | 21.860 | ng/ul | 99       |
| 80) Fluoranthene              | 19.451 | 202  | 1505763  | 22.038 | ng/ul | 99       |
| 82) Pyrene                    | 19.821 | 202  | 1583710  | 22.047 | ng/ul | 100      |
| 83) Butylbenzylphthalate      | 20.698 | 149  | 701841   | 22.921 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.503 | 252  | 431972   | 19.102 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.562 | 228  | 1544339  | 21.504 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.445 | 149  | 1061983  | 23.474 | ng/ul | 99       |
| 87) Chrysene                  | 21.615 | 228  | 1415555  | 21.434 | ng/ul | 100      |
| 89) Di-n-octyl phthalate      | 22.386 | 149  | 1800085  | 23.494 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.280 | 252  | 1413287  | 21.926 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.333 | 252  | 1414352  | 22.186 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.939 | 252  | 1311159  | 21.737 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.638 | 276  | 1464287  | 19.988 | ng/ul | 100      |
| 95) Dibenzo(a,h)anthracene    | 26.662 | 278  | 1219242  | 20.063 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.450 | 276  | 1121361  | 19.568 | ng/ul | 99       |

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

**Instrument :**

BNA\_M

**LabSampleId :**

SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023

