

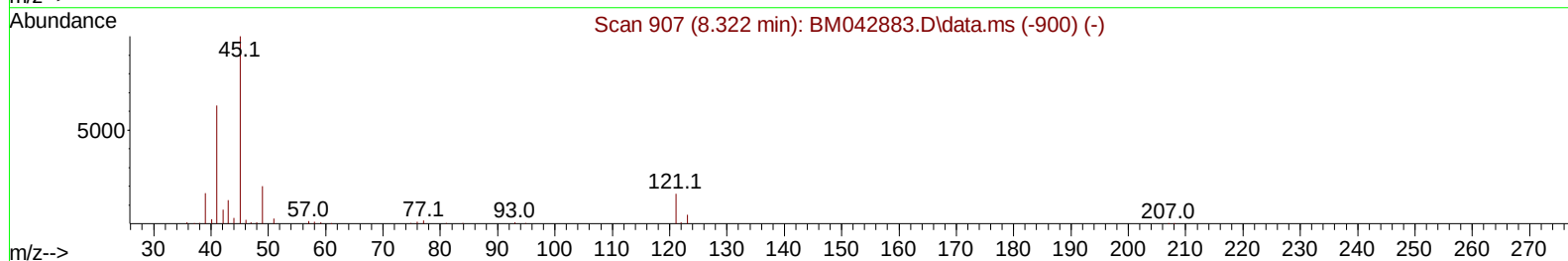
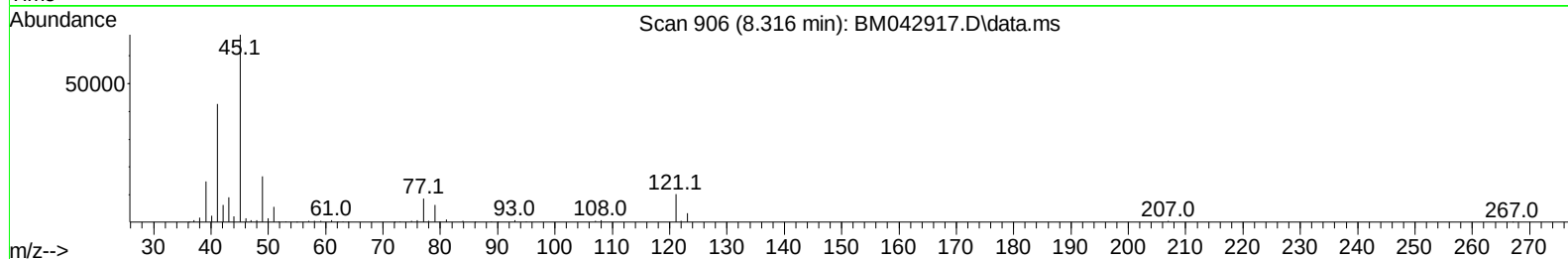
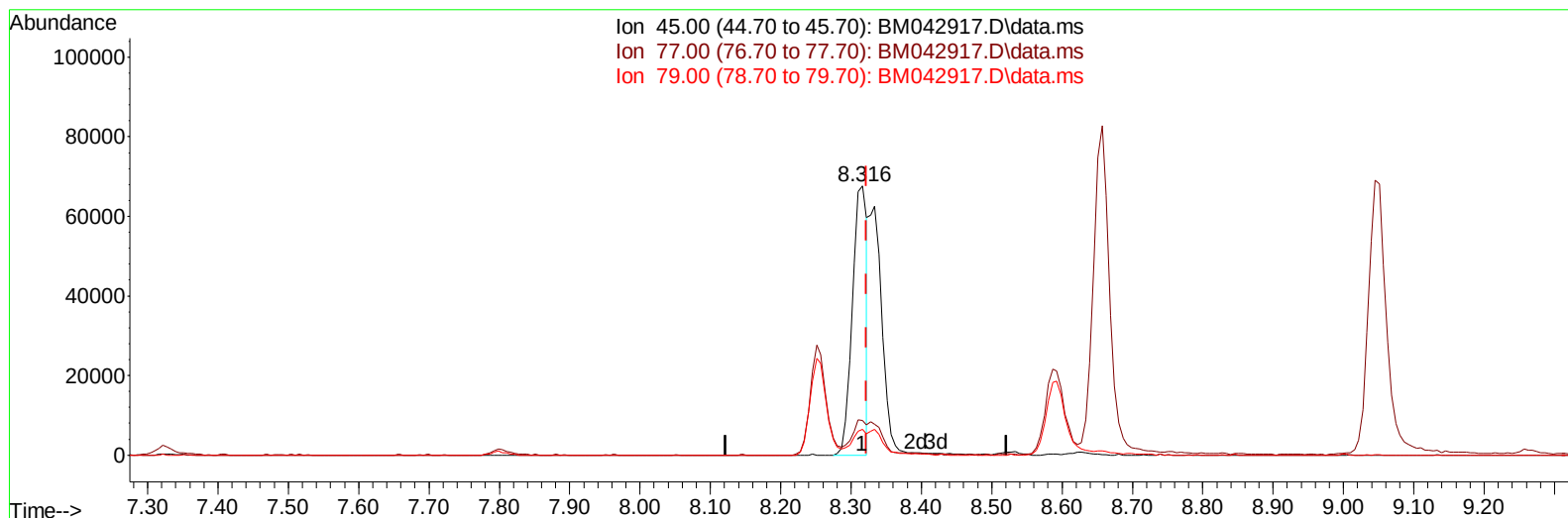
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
 Data File : BM042917.D  
 Acq On : 19 Nov 2023 22:55  
 Operator : MA/JU  
 Sample : PB157215BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS215

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:24:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 18 22:06:09 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/20/2023  
 Supervised By :mohammad ahmed 11/20/2023



TIC: BM042917.D\data.ms

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

8.316min (-0.006) 20.72 ng/u1

response 97506

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.20  | 12.86  |
| 79.00 | 10.20  | 9.49   |
| 0.00  | 0.00   | 0.00   |

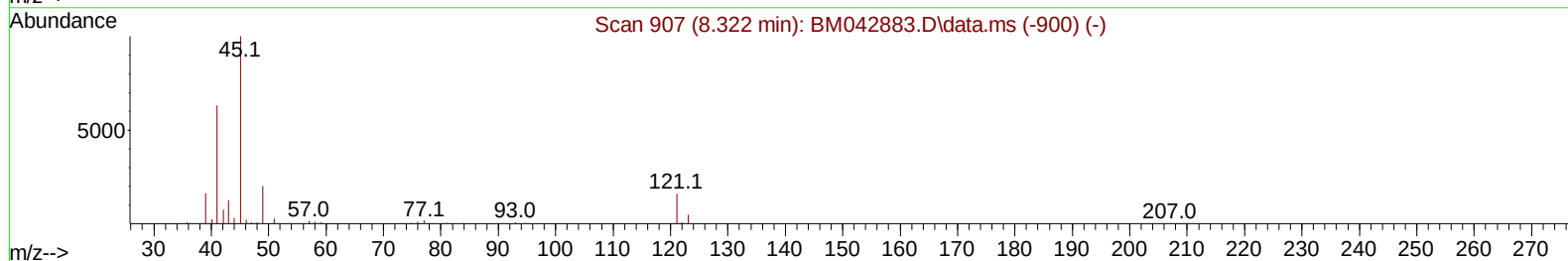
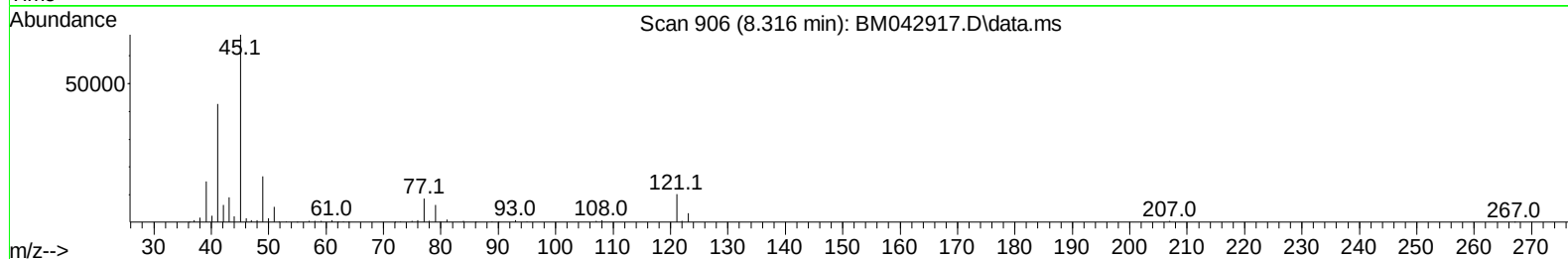
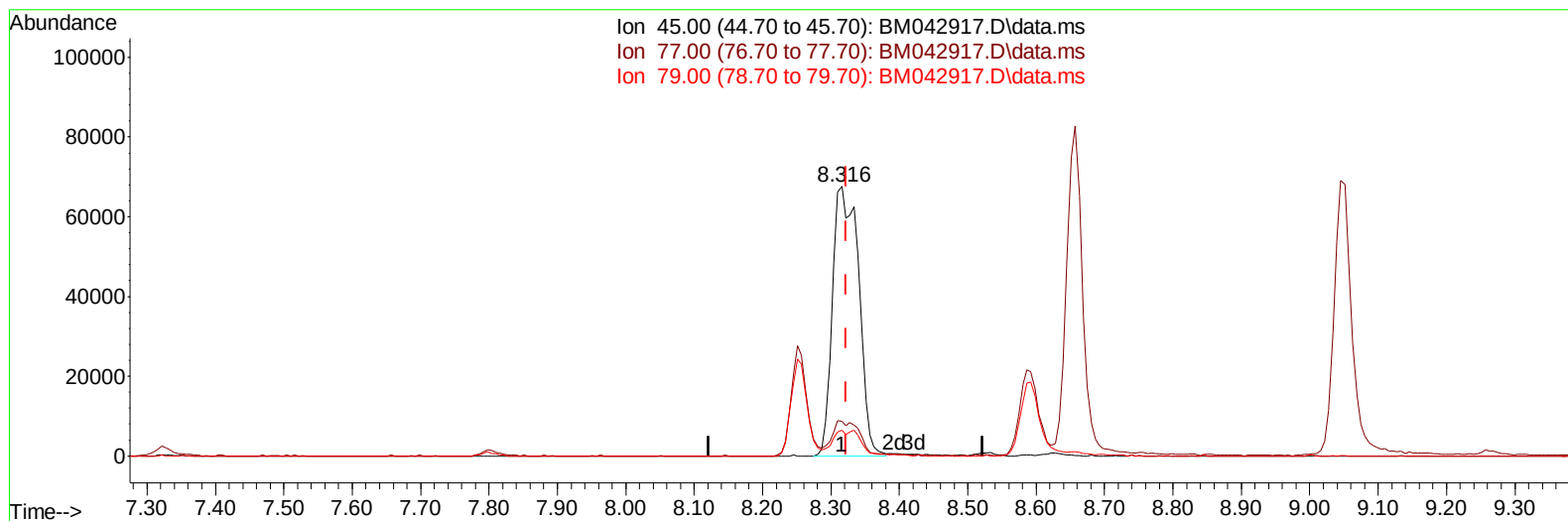
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 11/20/2023  
 Supervised By :mohammad ahmed 11/20/2023



TIC: BM042917.D\data.ms

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

8.316min (-0.006) 37.72 ng/ul m

response 177542

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 15.20  | 12.86  |
| 79.00 | 10.20  | 9.49   |
| 0.00  | 0.00   | 0.00   |

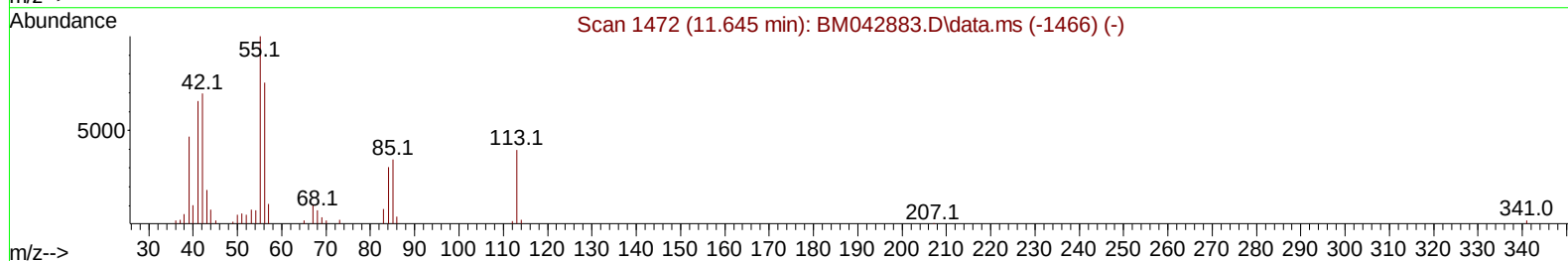
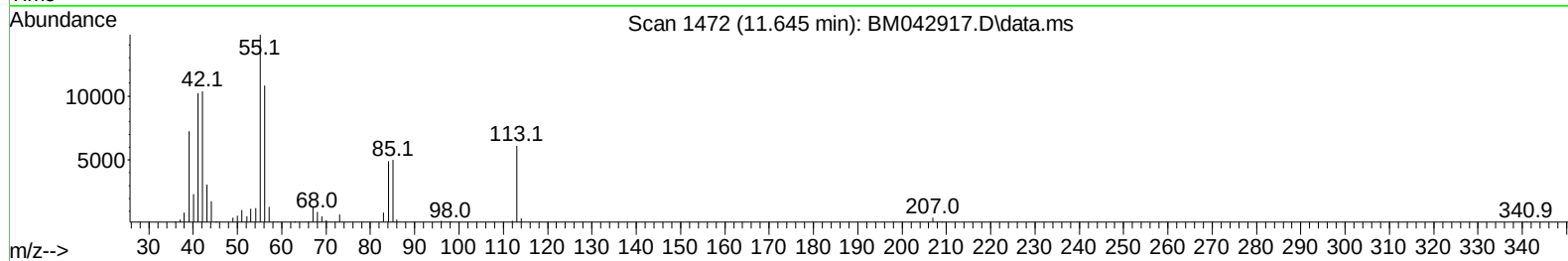
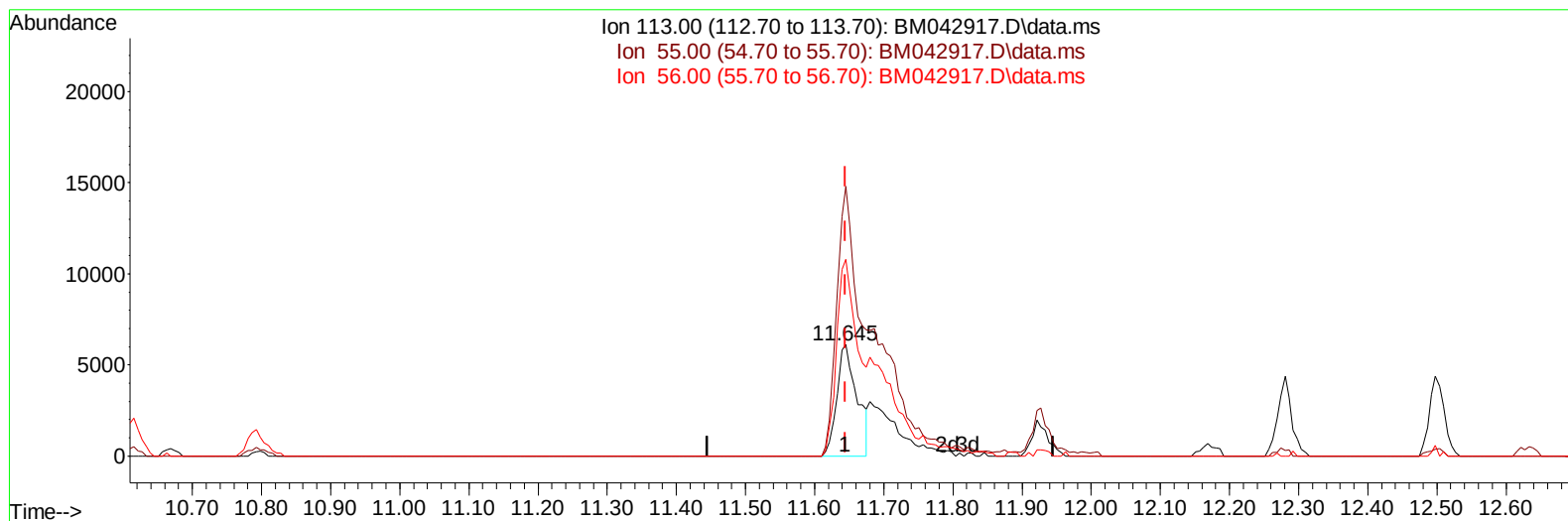
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
 Data File : BM042917.D  
 Acq On : 19 Nov 2023 22:55  
 Operator : MA/JU  
 Sample : PB157215BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 11/20/2023  
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TIC: BM042917.D\data.ms

**(34) Caprolactam**

11.645min ( 0.000) 16.75 ng/ul

response 12397

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.20 | 242.10 |
| 56.00  | 167.90 | 176.86 |
| 0.00   | 0.00   | 0.00   |

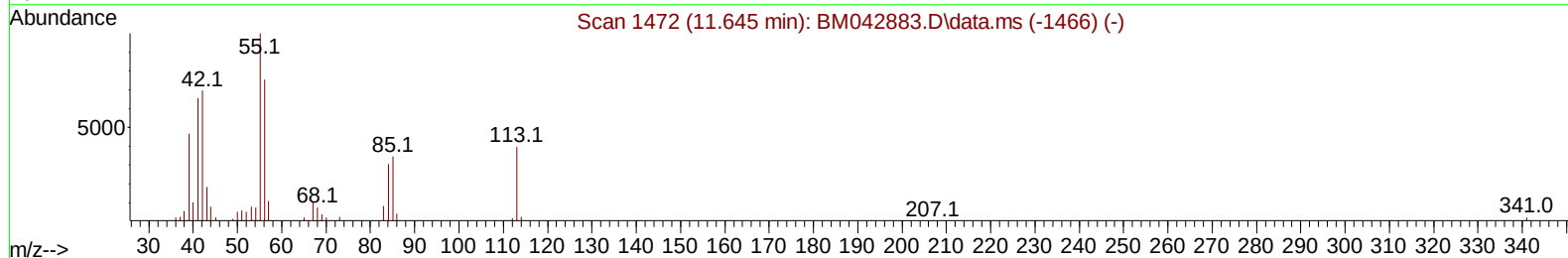
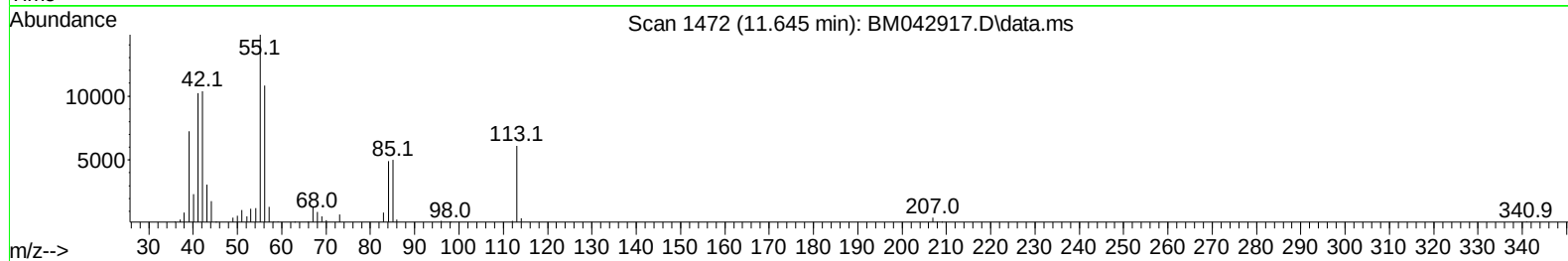
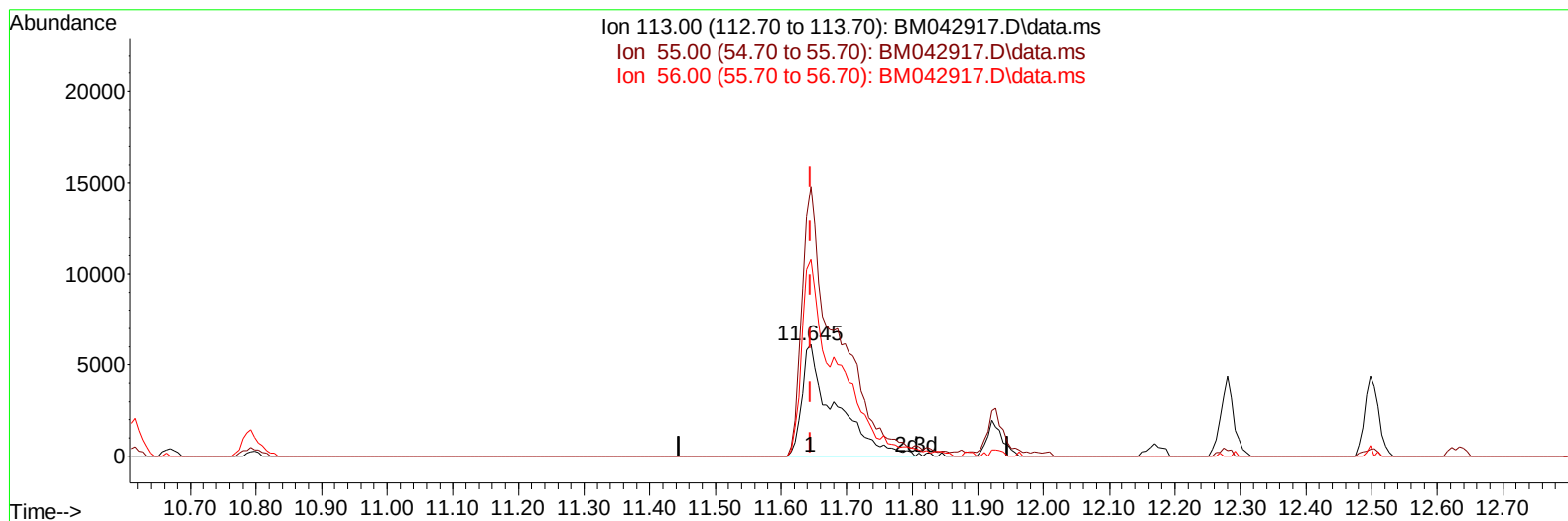
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
 Data File : BM042917.D  
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 Operator : MA/JU  
 Sample : PB157215BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS215

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:24:35 2023  
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 Supervised By :mohammad ahmed 11/20/2023



TIC: BM042917.D\data.ms

**(34) Caprolactam**

11.645min ( 0.000) 28.57 ng/ul m

response 21143

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 230.20 | 242.10 |
| 56.00  | 167.90 | 176.86 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111723\  
 Data File : BM042917.D  
 Acq On : 19 Nov 2023 22:55  
 Operator : MA/JU  
 Sample : PB157215BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS215

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:26:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 18 22:06:09 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/20/2023  
 Supervised By :mohammad ahmed 11/20/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 32330    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.616 | 136  | 138249   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.463 | 164  | 92872    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.221 | 188  | 200366   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.409 | 240  | 230020   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.762 | 264  | 248250   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.163  | 96   | 5514     | 5.352  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 74118    | 28.919 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.969  | 99   | 98088    | 31.173 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.151  | 67   | 73288    | 33.147 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 71244    | 29.344 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 71907    | 29.024 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.004  | 128  | 33330    | 27.498 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.716  | 143  | 37893    | 26.724 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.239 | 165  | 75496    | 28.635 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.792 | 131  | 81175    | 24.249 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.886 | 166  | 235771   | 26.824 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 258171   | 27.452 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.715 | 143  | 22346    | 22.502 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.462 | 176  | 202227   | 27.784 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 200  | 40763    | 26.858 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.321 | 188  | 314351   | 27.994 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.615 | 212  | 409579   | 27.192 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.609 | 264  | 426367   | 28.713 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.199  | 88   | 13691    | 12.478 | ng/ul# | 90       |
| 5) Pyridine                   | 3.616  | 79   | 80369    | 28.838 | ng/ul  | 88       |
| 6) Benzaldehyde               | 6.969  | 77   | 63161    | 34.987 | ng/ul  | 91       |
| 8) Phenol                     | 6.992  | 94   | 105999   | 33.867 | ng/ul  | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.245  | 93   | 87951    | 34.019 | ng/ul  | 93       |
| 12) 2-Chlorophenol            | 7.357  | 128  | 78481    | 32.481 | ng/ul# | 86       |
| 13) 2-Methylphenol            | 8.251  | 108  | 73991    | 31.702 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 177542m  | 37.724 | ng/ul  |          |
| 16) Acetophenone              | 8.657  | 105  | 133560   | 32.061 | ng/ul  | 88       |
| 17) N-Nitroso-di-n-propyla... | 8.628  | 70   | 83958    | 33.107 | ng/ul  | 90       |
| 18) 4-Methylphenol            | 8.586  | 108  | 81651    | 32.178 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.851  | 117  | 46615    | 34.614 | ng/ul  | 83       |
| 22) Nitrobenzene              | 9.045  | 77   | 125342   | 34.214 | ng/ul  | 95       |
| 23) Isophorone                | 9.551  | 82   | 223471   | 30.628 | ng/ul  | 95       |
| 25) 2-Nitrophenol             | 9.745  | 139  | 41665    | 28.922 | ng/ul  | 89       |
| 26) 2,4-Dimethylphenol        | 9.792  | 107  | 72348    | 23.472 | ng/ul  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.045 | 93   | 120573   | 32.702 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.263 | 162  | 75519    | 30.254 | ng/ul  | 97       |
| 30) Naphthalene               | 10.669 | 128  | 261192   | 30.157 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.816 | 127  | 73357    | 22.842 | ng/ul  | 98       |
| 33) Hexachlorobutadiene       | 10.886 | 225  | 67637    | 30.674 | ng/ul  | 98       |
| 34) Caprolactam               | 11.645 | 113  | 21143m   | 28.566 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.927 | 107  | 84371    | 31.543 | ng/ul  | 99       |

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 Sample : PB157215BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS215

Manual IntegrationsAPPROVED

Quant Time: Nov 19 23:26:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Nov 18 22:06:09 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/20/2023  
 Supervised By :mohammad ahmed 11/20/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.280 | 142  | 181516   | 31.270 | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.498 | 142  | 180314   | 29.544 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.633 | 216  | 116084   | 31.871 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.574 | 237  | 44771    | 25.963 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 12.898 | 196  | 67294    | 30.247 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.974 | 196  | 68143    | 31.720 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.298 | 154  | 246777   | 31.862 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.345 | 162  | 194032   | 31.141 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.598 | 65   | 71542    | 35.207 | ng/ul  | 90       |
| 47) Dimethylphthalate         | 13.933 | 163  | 254700   | 29.751 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.086 | 165  | 46895    | 29.157 | ng/ul  | 89       |
| 50) Acenaphthylene            | 14.192 | 152  | 328155   | 31.140 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.433 | 138  | 37645    | 28.623 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.527 | 153  | 223678   | 31.385 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.645 | 184  | 19971    | 24.972 | ng/ul  | 88       |
| 55) 4-Nitrophenol             | 14.727 | 109  | 48496    | 31.033 | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.868 | 168  | 314073   | 31.751 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.874 | 165  | 75233    | 31.861 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 64302    | 28.835 | ng/ul# | 100      |
| 59) Diethylphthalate          | 15.286 | 149  | 269261   | 29.993 | ng/ul  | 99       |
| 61) Fluorene                  | 15.515 | 166  | 273007   | 32.508 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 150716   | 33.300 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.604 | 138  | 37153    | 30.986 | ng/ul  | 94       |
| 66) 4,6-Dinitro-2-methylph... | 15.627 | 198  | 46518    | 30.106 | ng/ul  | 92       |
| 67) N-Nitrosodiphenylamine    | 15.739 | 169  | 206348   | 32.836 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 86318    | 32.365 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 16.486 | 284  | 104412   | 32.024 | ng/ul  | 98       |
| 70) Atrazine                  | 16.686 | 200  | 51294    | 21.190 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.856 | 266  | 49585    | 26.411 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.262 | 178  | 409352   | 32.703 | ng/ul  | 99       |
| 74) Anthracene                | 17.356 | 178  | 410473   | 32.601 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.251 | 216  | 113999   | 32.176 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.757 | 250  | 114783   | 30.876 | ng/uL  | 99       |
| 77) Carbazole                 | 17.651 | 167  | 312162   | 30.026 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.168 | 149  | 477763   | 31.427 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.280 | 202  | 511763   | 29.798 | ng/ul  | 98       |
| 82) Pyrene                    | 19.650 | 202  | 550316   | 30.220 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 217383   | 27.948 | ng/ul  | 91       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 157867   | 26.816 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.391 | 228  | 564967   | 31.289 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 336270   | 28.495 | ng/ul  | 97       |
| 87) Chrysene                  | 21.444 | 228  | 542735   | 30.993 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.186 | 149  | 576192   | 28.733 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.038 | 252  | 550622   | 32.501 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.086 | 252  | 582763   | 32.314 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.662 | 252  | 537829   | 32.579 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.221 | 276  | 672347   | 32.771 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.232 | 278  | 557288   | 32.763 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 26.985 | 276  | 523414   | 32.127 | ng/ul  | 98       |

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

**Instrument :**

BNA\_M

**ClientSampleId :**

SLCS215

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/20/2023

Supervised By :mohammad ahmed 11/20/2023

