

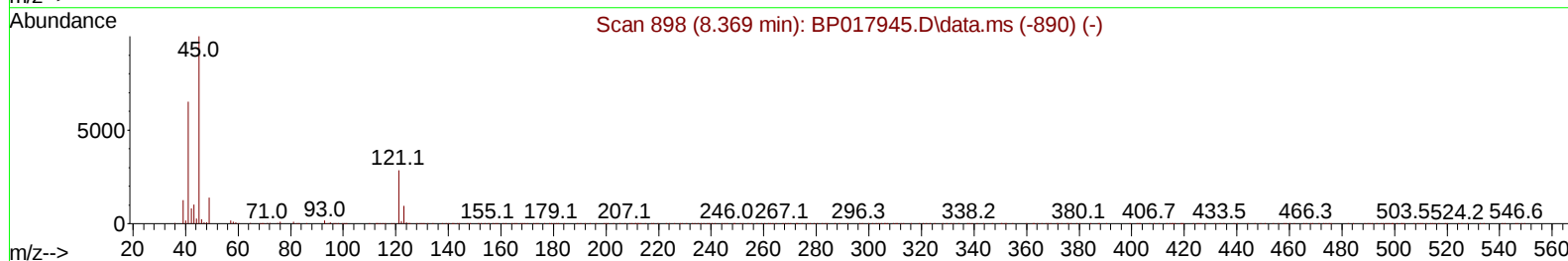
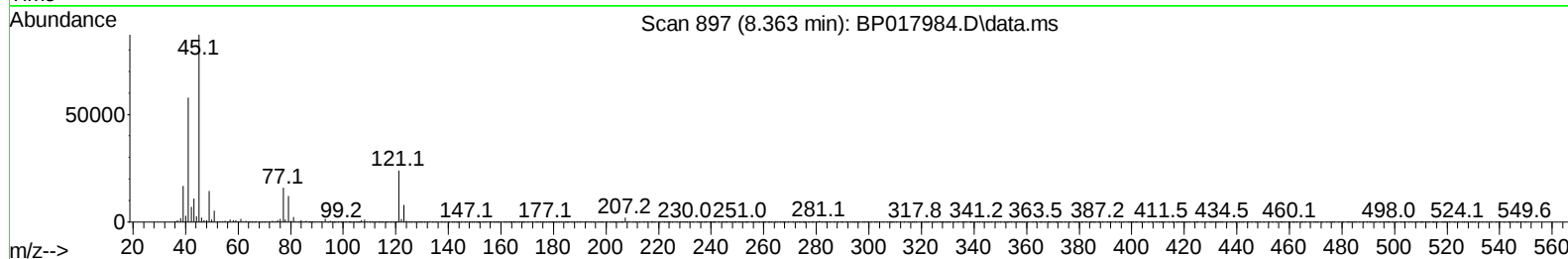
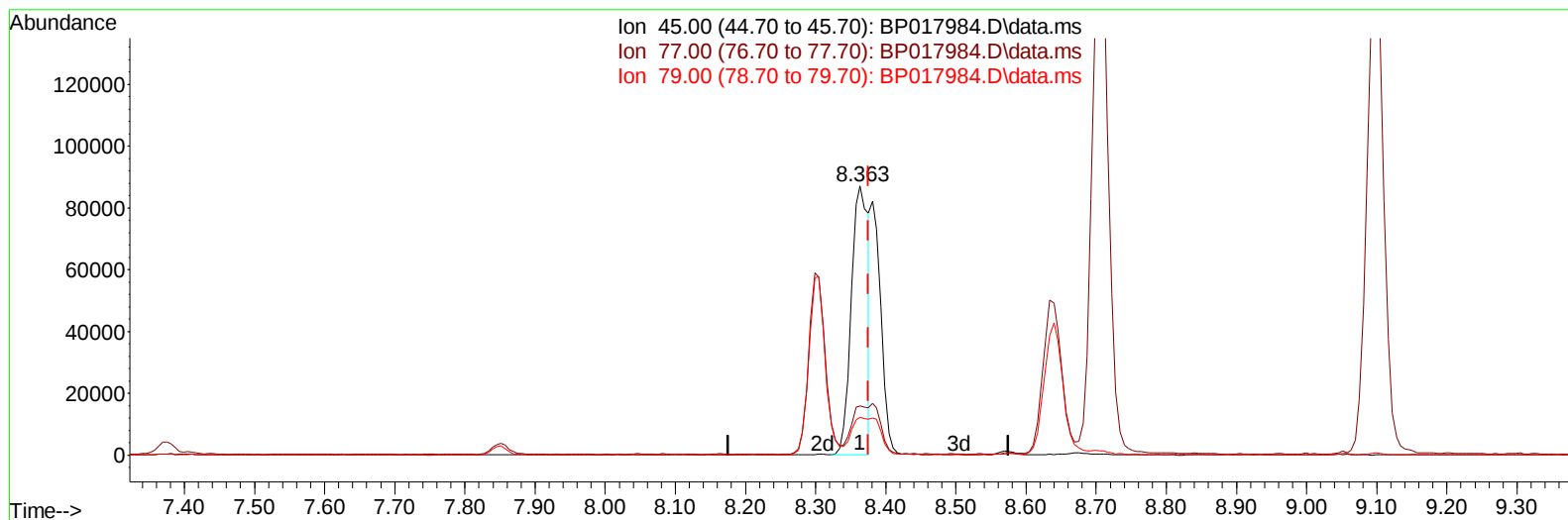
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
 Data File : BP017984.D  
 Acq On : 09 Nov 2023 04:45  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Nov 09 05:13:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 07 03:40:56 2023  
 Response via : Initial Calibration

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



TIC: BP017984.D\data.ms

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

8.363min (-0.012) 12.73 ng/u1

response 146676

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 18.50  | 18.24  |
| 79.00 | 14.00  | 14.04  |
| 0.00  | 0.00   | 0.00   |

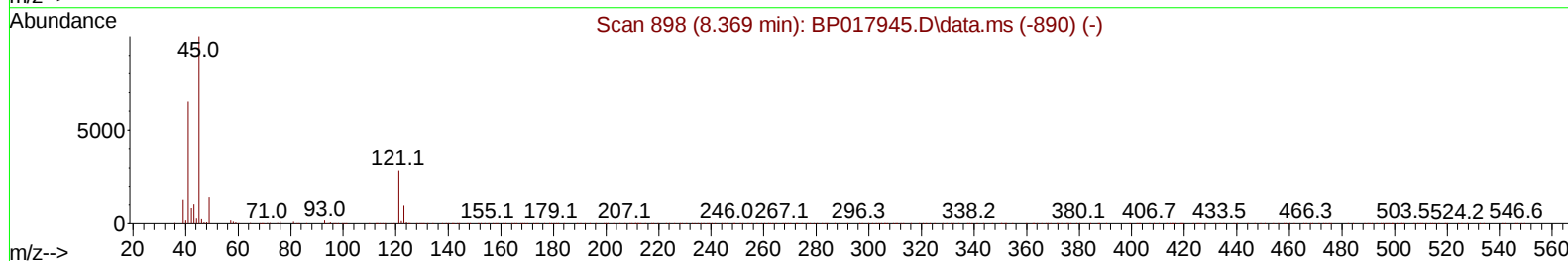
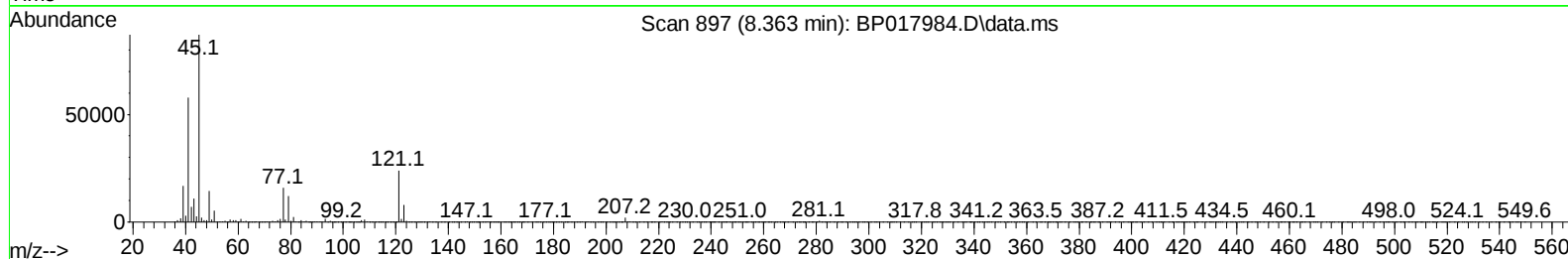
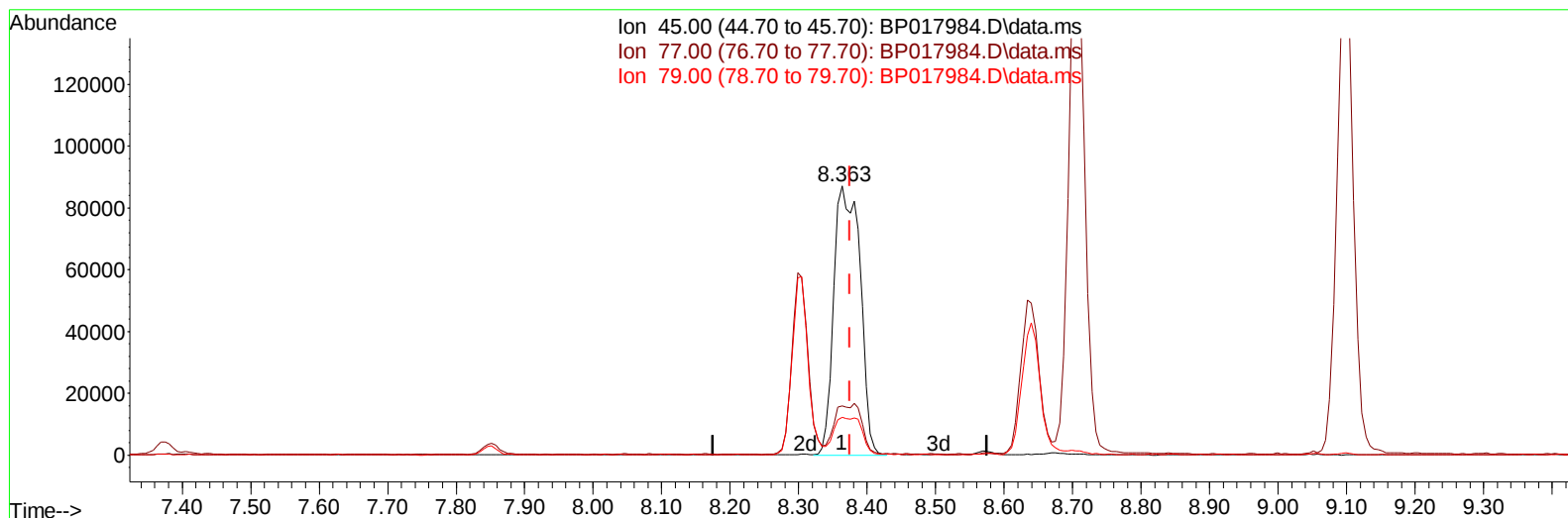
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
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 Acq On : 09 Nov 2023 04:45  
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 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
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Manual IntegrationsAPPROVED

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



TIC: BP017984.D\data.ms

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

8.363min (-0.012) 20.02 ng/ul m

response 230657

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 18.50  | 18.24  |
| 79.00 | 14.00  | 14.04  |
| 0.00  | 0.00   | 0.00   |

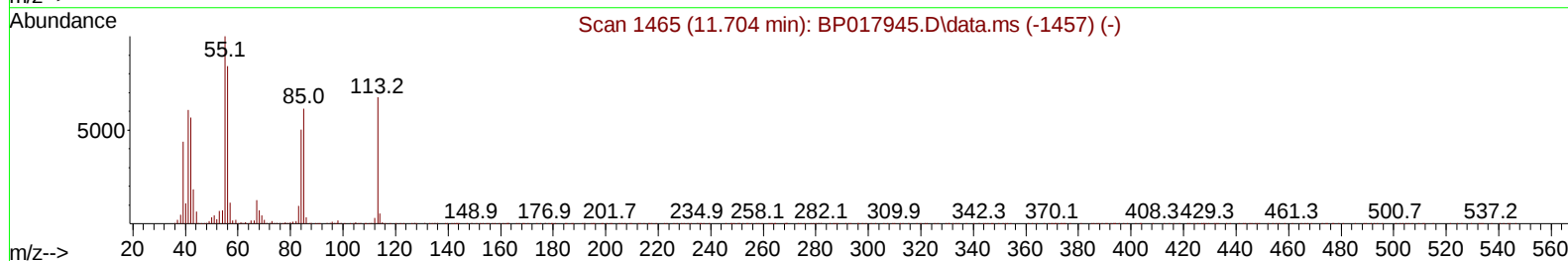
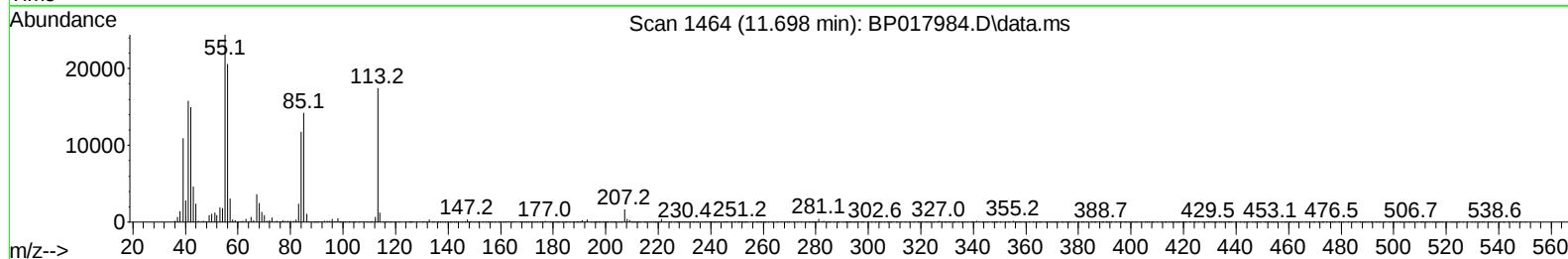
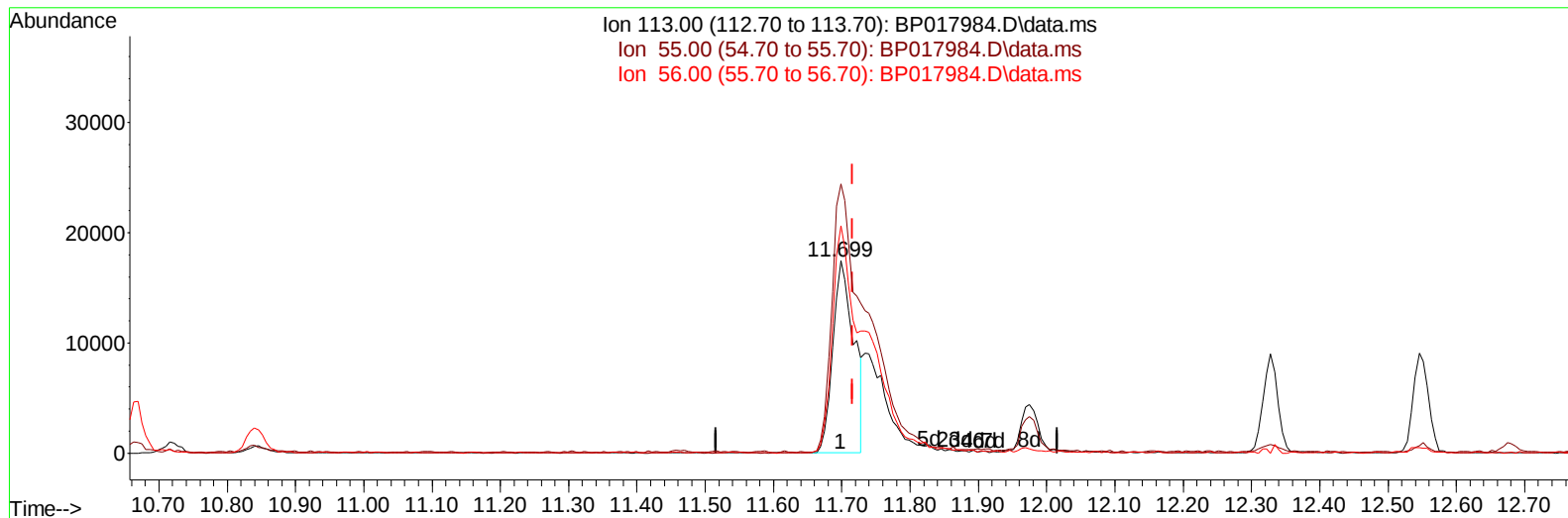
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
 Data File : BP017984.D  
 Acq On : 09 Nov 2023 04:45  
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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
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Manual IntegrationsAPPROVED

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



TIC: BP017984.D\data.ms

**(34) Caprolactam**

**11.698min (-0.018) 12.66 ng/ul**

**response 37362**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 142.60 | 139.83 |
| 56.00  | 114.60 | 118.24 |
| 0.00   | 0.00   | 0.00   |

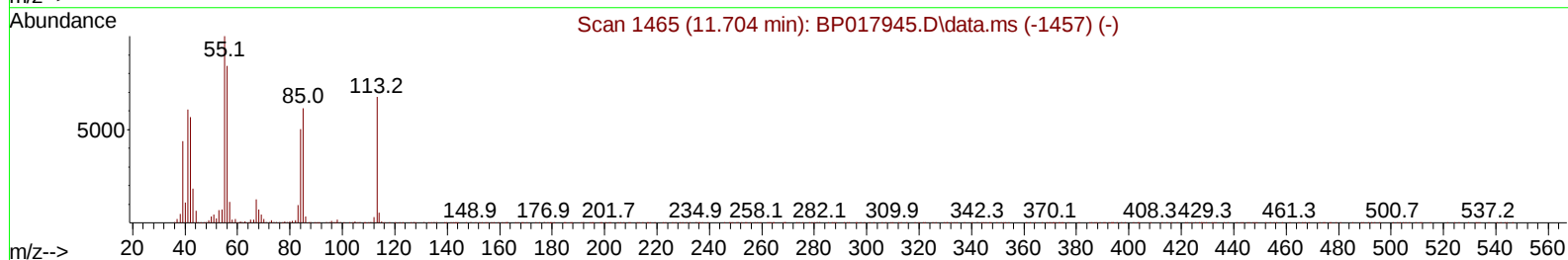
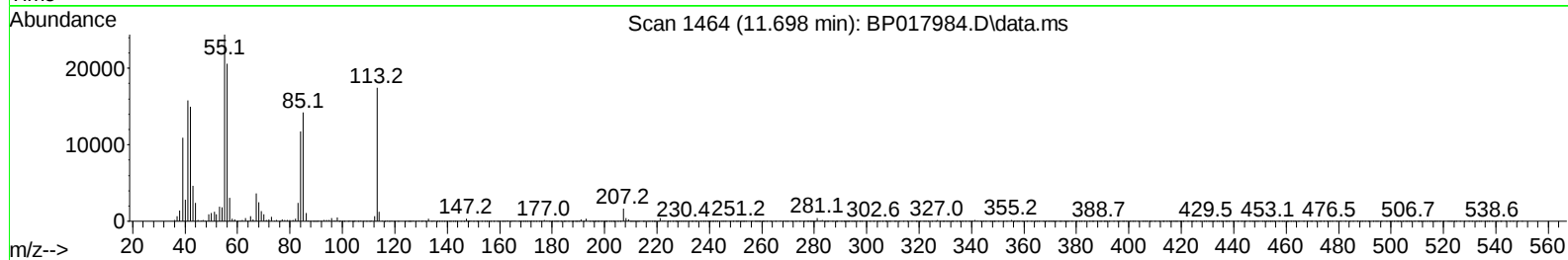
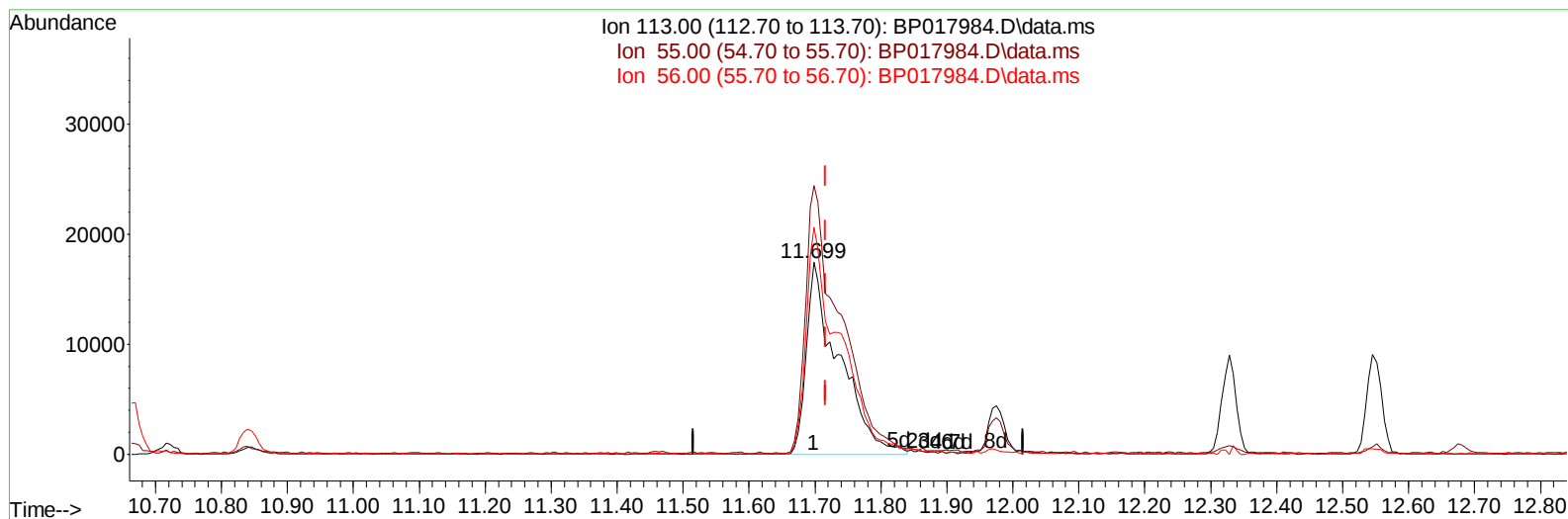
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
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 Acq On : 09 Nov 2023 04:45  
 Operator : MA/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Nov 09 05:13:34 2023  
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Reviewed By :Yogesh Patel 11/11/2023  
 Supervised By :mohammad ahmed 11/11/2023



TIC: BP017984.D\data.ms

**(34) Caprolactam**

**11.698min (-0.018) 20.21 ng/ul m**

**response 59660**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 142.60 | 139.83 |
| 56.00  | 114.60 | 118.24 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
 Data File : BP017984.D  
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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Nov 09 05:15:00 2023  
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Reviewed By :Yogesh Patel 11/11/2023  
 Supervised By :mohammad ahmed 11/11/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.852  | 152  | 135426   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.669 | 136  | 567550   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.516 | 164  | 357466   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 785340   | 20.000 | ng/ul  | #-0.01   |
| 79) Chrysene-d12              | 21.410 | 240  | 726433   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.892 | 264  | 773560   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 27091    | 7.656  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.675  | 84   | 187884   | 19.133 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.016  | 99   | 248161   | 19.541 | ng/ul  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.199  | 67   | 151276   | 19.747 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.375  | 132  | 196197   | 20.105 | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.575  | 113  | 200976   | 19.147 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.052  | 128  | 98539    | 21.726 | ng/ul  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.763  | 143  | 115712   | 22.150 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.287 | 165  | 203750   | 21.275 | ng/ul  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 274722   | 19.796 | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.934 | 166  | 623719   | 19.899 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.216 | 160  | 691620   | 20.109 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 98882    | 20.518 | ng/ul  | -0.01    |
| 60) Fluorene-d10              | 15.510 | 176  | 515591   | 19.653 | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.669 | 200  | 100842   | 17.559 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.386 | 188  | 806336   | 19.747 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.639 | 212  | 935345   | 20.283 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 857317   | 19.835 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.281  | 88   | 28699    | 7.428  | ng/uL  | 95       |
| 5) Pyridine                   | 3.693  | 79   | 195228   | 19.121 | ng/ul  | 95       |
| 6) Benzaldehyde               | 7.022  | 77   | 162992   | 23.075 | ng/ul  | 98       |
| 8) Phenol                     | 7.046  | 94   | 245118   | 19.620 | ng/ul  | 95       |
| 10) Bis(2-Chloroethyl)ether   | 7.293  | 93   | 196508   | 19.640 | ng/ul  | 96       |
| 12) 2-Chlorophenol            | 7.405  | 128  | 196455   | 20.272 | ng/ul  | 100      |
| 13) 2-Methylphenol            | 8.305  | 108  | 184978   | 19.260 | ng/ul  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.363  | 45   | 230657m  | 20.024 | ng/ul  |          |
| 16) Acetophenone              | 8.705  | 105  | 319273   | 18.953 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.675  | 70   | 170440   | 19.334 | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.640  | 108  | 201920   | 19.543 | ng/ul  | 98       |
| 19) Hexachloroethane          | 8.905  | 117  | 93769    | 19.370 | ng/ul  | 92       |
| 22) Nitrobenzene              | 9.099  | 77   | 268851   | 21.734 | ng/ul  | 99       |
| 23) Isophorone                | 9.604  | 82   | 478171   | 21.257 | ng/ul  | 99       |
| 25) 2-Nitrophenol             | 9.799  | 139  | 118759   | 21.967 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 9.840  | 107  | 234865   | 20.570 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.093 | 93   | 266880   | 21.568 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.316 | 162  | 194686   | 21.021 | ng/ul  | 94       |
| 30) Naphthalene               | 10.716 | 128  | 655637   | 19.904 | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 260614   | 19.554 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.934 | 225  | 141745   | 18.394 | ng/ul  | 99       |
| 34) Caprolactam               | 11.698 | 113  | 59660m   | 20.212 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.975 | 107  | 224009   | 20.893 | ng/ul  | 98       |

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 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC020EC

Manual IntegrationsAPPROVED

Quant Time: Nov 09 05:15:00 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 07 03:40:56 2023  
 Response via : Initial Calibration

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.328 | 142  | 444375   | 19.771 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.551 | 142  | 451877   | 19.461 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.681 | 216  | 242764   | 19.606 | ng/ul  | 100      |
| 40) Hexachlorocyclopentadiene | 12.622 | 237  | 113965   | 17.283 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.945 | 196  | 163760   | 20.920 | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 13.022 | 196  | 169248   | 20.996 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.345 | 154  | 591931   | 20.306 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.393 | 162  | 469817   | 20.231 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.645 | 65   | 159277   | 22.906 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.987 | 163  | 613086   | 19.833 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.140 | 165  | 127942   | 20.853 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.245 | 152  | 776570   | 20.173 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.481 | 138  | 127751   | 22.105 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.581 | 153  | 509742   | 19.980 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.692 | 184  | 63196    | 17.499 | ng/ul# | 84       |
| 55) 4-Nitrophenol             | 14.781 | 109  | 128328   | 20.524 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.916 | 168  | 701561   | 19.907 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 186300   | 20.319 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.140 | 232  | 148040   | 19.708 | ng/ul  | 92       |
| 59) Diethylphthalate          | 15.339 | 149  | 643917   | 19.993 | ng/ul  | 100      |
| 61) Fluorene                  | 15.569 | 166  | 591229   | 19.813 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.563 | 204  | 293586   | 19.011 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.651 | 138  | 124539   | 22.778 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.681 | 198  | 107384   | 17.898 | ng/ul# | 96       |
| 67) N-Nitrosodiphenylamine    | 15.792 | 169  | 485895   | 20.102 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.463 | 248  | 176429   | 19.078 | ng/ul  | 91       |
| 69) Hexachlorobenzene         | 16.545 | 284  | 193392   | 18.220 | ng/ul# | 89       |
| 70) Atrazine                  | 16.751 | 200  | 181770   | 19.690 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.916 | 266  | 118450   | 18.371 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.334 | 178  | 923981   | 20.009 | ng/ul  | 99       |
| 74) Anthracene                | 17.422 | 178  | 934432   | 19.908 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.298 | 216  | 241777   | 19.644 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.810 | 250  | 231910   | 18.882 | ng/uL  | 97       |
| 77) Carbazole                 | 17.716 | 167  | 829256   | 19.812 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.222 | 149  | 1091389  | 20.956 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.310 | 202  | 1090494  | 20.263 | ng/ul  | 99       |
| 82) Pyrene                    | 19.669 | 202  | 1138005  | 20.273 | ng/ul  | 100      |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 510514   | 20.671 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 332527   | 18.312 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 1126233  | 20.132 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.269 | 149  | 726070   | 20.303 | ng/ul  | 99       |
| 87) Chrysene                  | 21.445 | 228  | 1033279  | 19.918 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.227 | 149  | 1248407  | 19.109 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.121 | 252  | 1071053  | 20.060 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.168 | 252  | 1056078  | 19.725 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.780 | 252  | 990459   | 19.955 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.521 | 276  | 1189657  | 20.124 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.545 | 278  | 996508   | 20.264 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.339 | 276  | 946986   | 20.122 | ng/ul  | 99       |

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

**Instrument :**  
BNA\_P  
**LabSampleId :**  
SSTDCCC020EC

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/11/2023  
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