



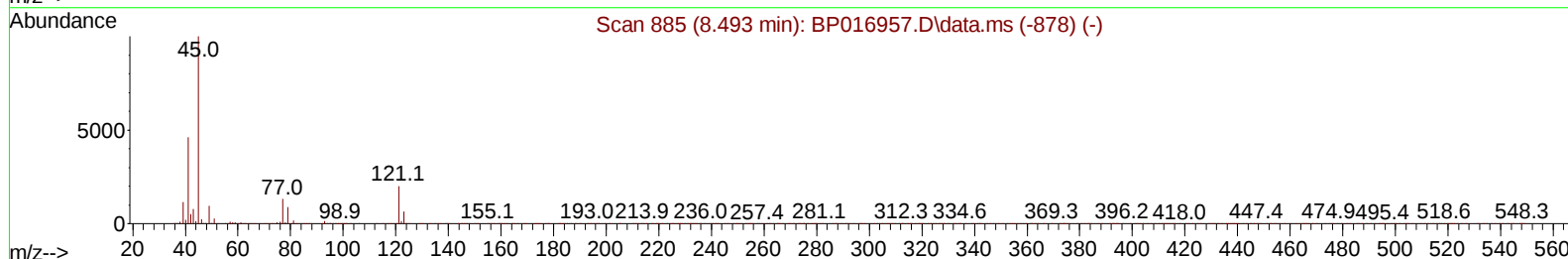
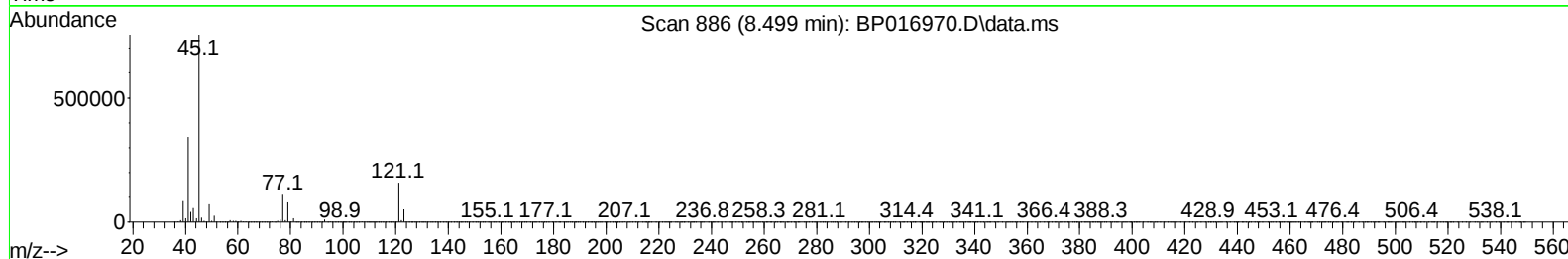
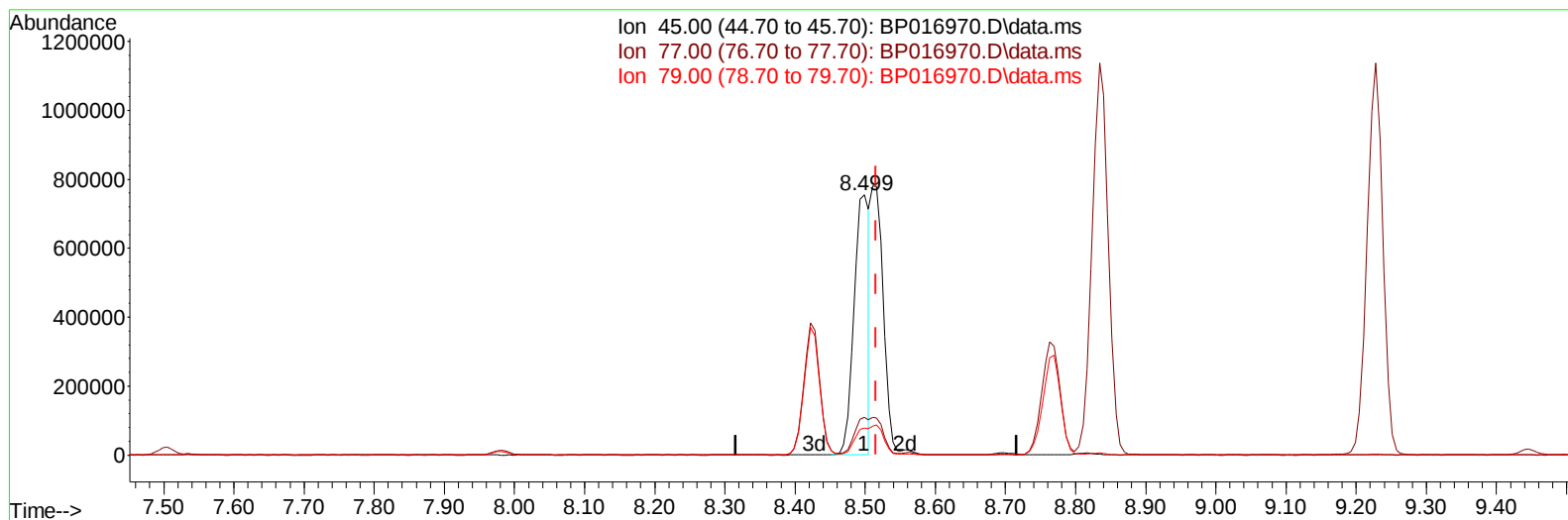
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090623\  
 Data File : BP016970.D  
 Acq On : 07 Sep 2023 00:13  
 Operator : MA/JU  
 Sample : PB155168BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS168

Manual IntegrationsAPPROVED

Quant Time: Sep 07 00:42:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 01:52:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/07/2023  
 Supervised By :mohammad ahmed 09/07/2023



TIC: BP016970.D\data.ms

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

8.499min (-0.017) 18.92 ng/u1

response 1134203

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 14.10  | 14.59  |
| 79.00 | 11.20  | 10.38  |
| 0.00  | 0.00   | 0.00   |

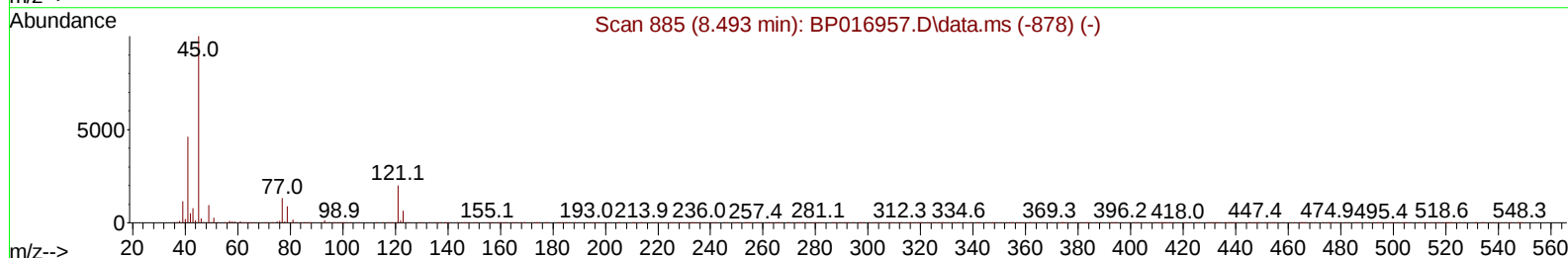
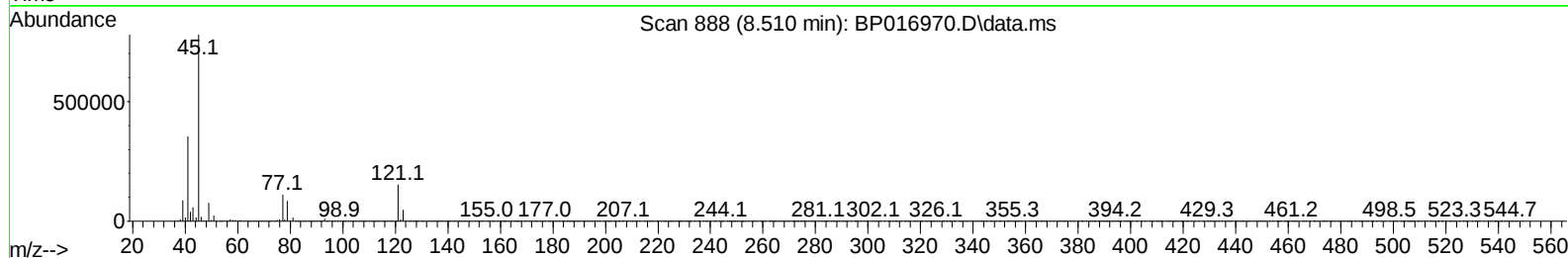
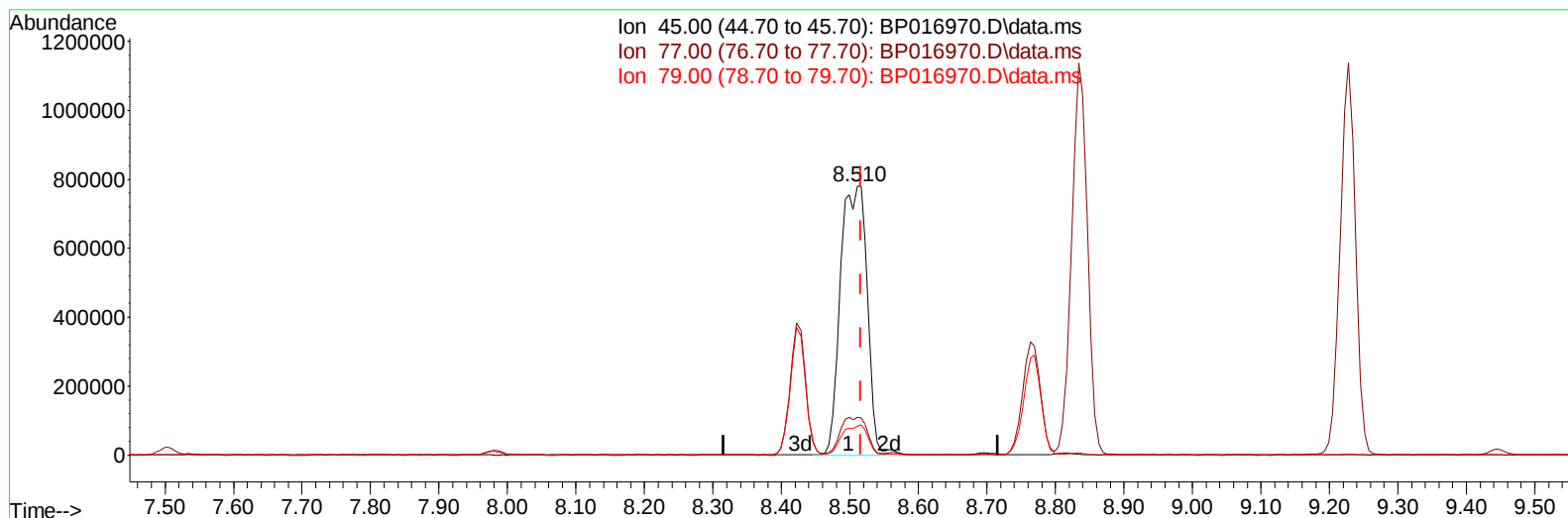
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TIC: BP016970.D\data.ms

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

8.510min (-0.006) 34.95 ng/ul m

response 2094416

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 14.10  | 14.17  |
| 79.00 | 11.20  | 10.86  |
| 0.00  | 0.00   | 0.00   |

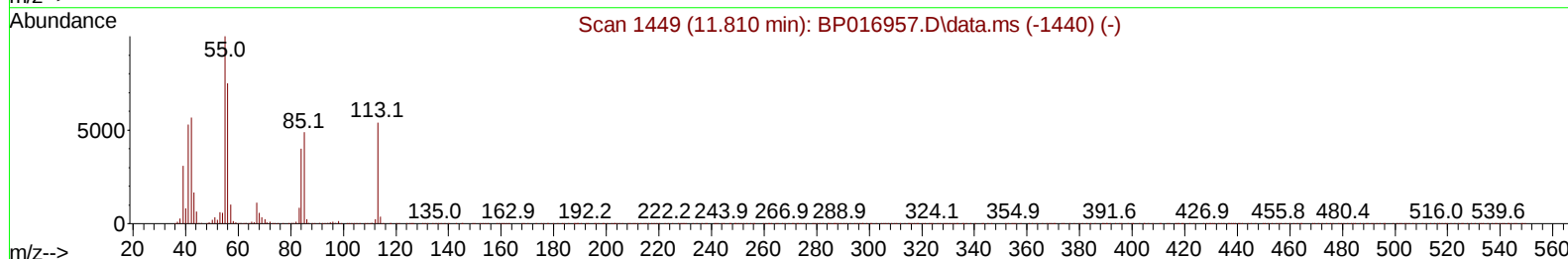
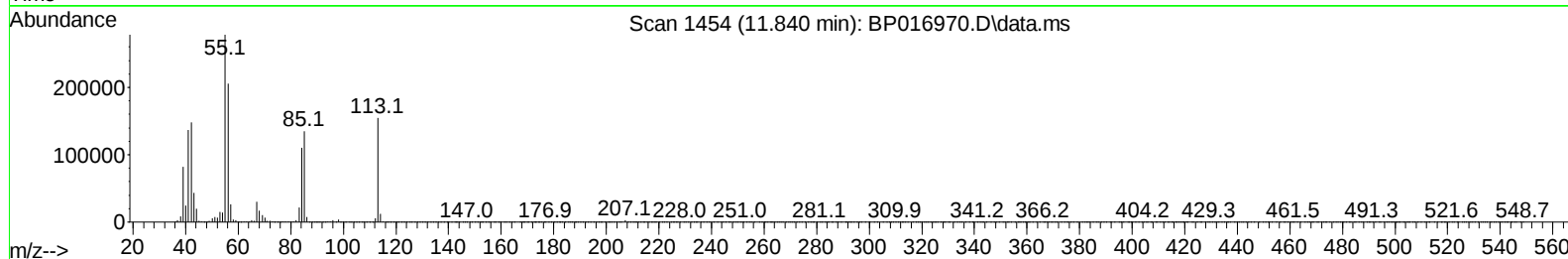
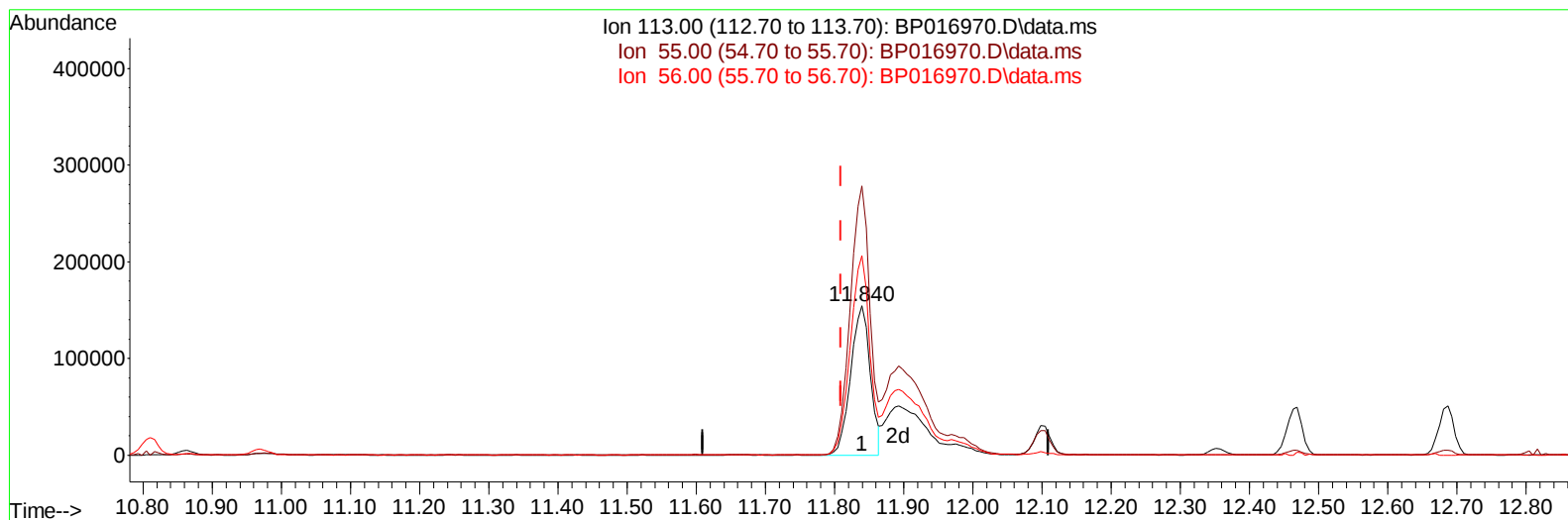
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090623\  
 Data File : BP016970.D  
 Acq On : 07 Sep 2023 00:13  
 Operator : MA/JU  
 Sample : PB155168BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS168

Manual IntegrationsAPPROVED

Quant Time: Sep 07 00:42:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 01:52:05 2023  
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Reviewed By :Yogesh Patel 09/07/2023  
 Supervised By :mohammad ahmed 09/07/2023



TIC: BP016970.D\data.ms

**(34) Caprolactam**

**11.840min (+ 0.030) 23.62 ng/ul**

**response 301866**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 177.90 | 180.22 |
| 56.00  | 127.70 | 133.46 |
| 0.00   | 0.00   | 0.00   |

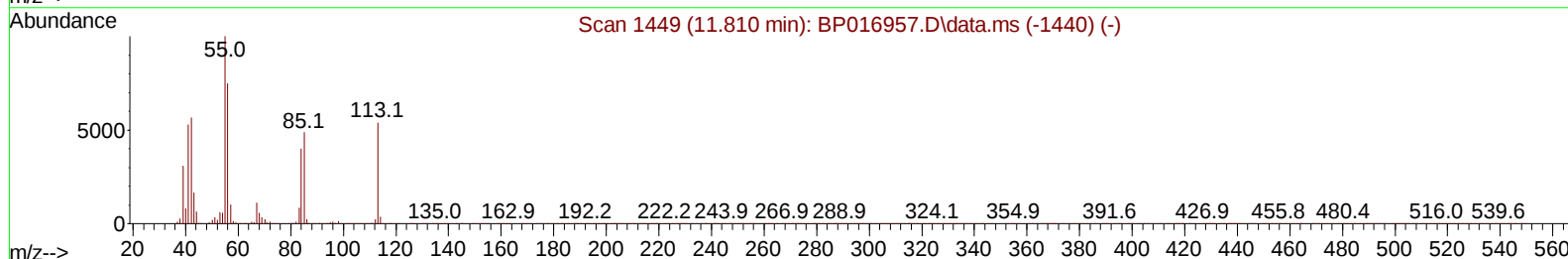
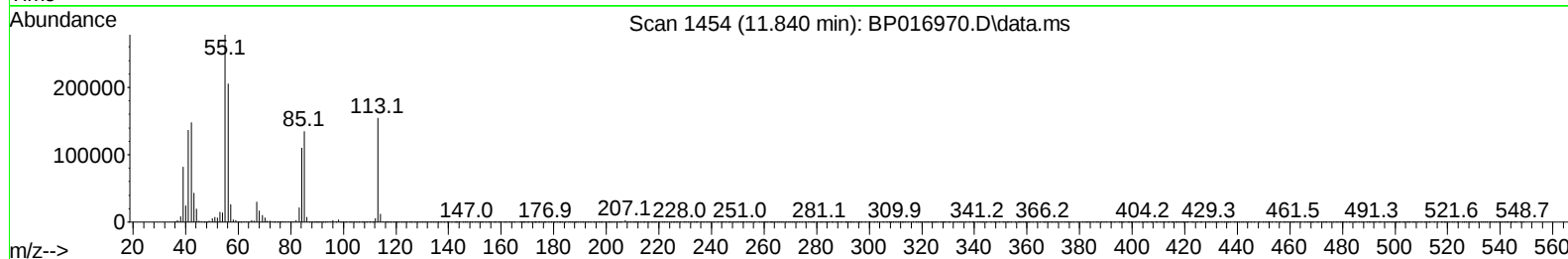
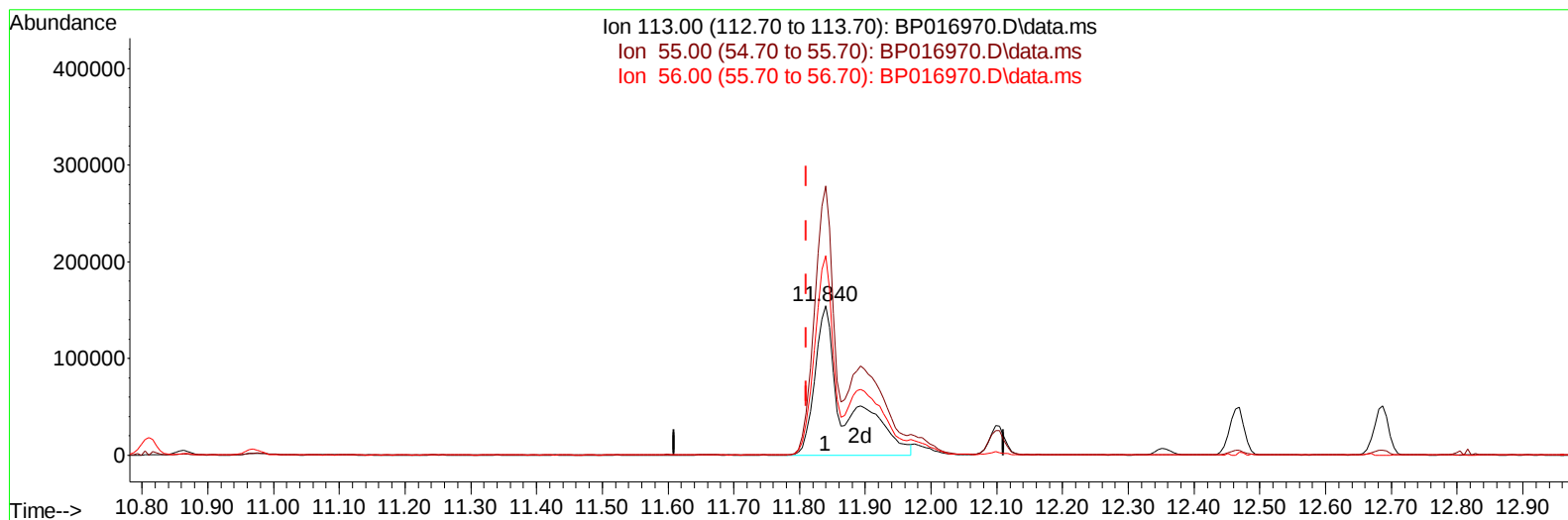
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 Data File : BP016970.D  
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 Operator : MA/JU  
 Sample : PB155168BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS168

Manual IntegrationsAPPROVED

Quant Time: Sep 07 00:42:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
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TIC: BP016970.D\data.ms

**(34) Caprolactam**

**11.840min (+ 0.030) 39.53 ng/ul m**

**response 505300**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 177.90 | 180.22 |
| 56.00  | 127.70 | 133.46 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090623\  
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 Acq On : 07 Sep 2023 00:13  
 Operator : MA/JU  
 Sample : PB155168BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS168

Manual IntegrationsAPPROVED

Quant Time: Sep 07 00:43:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 01:52:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/07/2023  
 Supervised By :mohammad ahmed 09/07/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.981  | 152  | 562352   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.810 | 136  | 2439213  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.640 | 164  | 1487547  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.410 | 188  | 3181446  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.510 | 240  | 2659398  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.051 | 264  | 2318927  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.328  | 96   | 93125    | 6.264  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.764  | 84   | 991271   | 23.335 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.134  | 99   | 1813718  | 35.303 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.322  | 67   | 1074679  | 33.441 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.505  | 132  | 1334986  | 35.903 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.699  | 113  | 1408588  | 35.988 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.187  | 128  | 668257   | 35.313 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.899  | 143  | 764314   | 37.259 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.422 | 165  | 1369578  | 36.164 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.969 | 131  | 856239   | 15.671 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.057 | 166  | 4098726  | 37.016 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.340 | 160  | 4683423  | 36.650 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.863 | 143  | 825409   | 38.161 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.639 | 176  | 3459504  | 36.491 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.769 | 200  | 706866   | 36.920 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.510 | 188  | 5282062  | 36.152 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.745 | 212  | 6007190  | 37.085 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.886 | 264  | 4651581  | 39.540 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.364  | 88   | 202308   | 12.604 | ng/uL  | 99       |
| 5) Pyridine                   | 3.781  | 79   | 1301187  | 28.773 | ng/ul  | 98       |
| 6) Benzaldehyde               | 7.140  | 77   | 1098296  | 47.167 | ng/ul  | 98       |
| 8) Phenol                     | 7.163  | 94   | 1922795  | 36.022 | ng/ul  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.416  | 93   | 1471821  | 34.577 | ng/ul  | 99       |
| 12) 2-Chlorophenol            | 7.534  | 128  | 1428113  | 36.051 | ng/ul  | 99       |
| 13) 2-Methylphenol            | 8.422  | 108  | 1413314  | 36.096 | ng/ul  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.510  | 45   | 2094416m | 34.946 | ng/ul  |          |
| 16) Acetophenone              | 8.834  | 105  | 2280424  | 36.105 | ng/ul  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.816  | 70   | 1257982  | 37.284 | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.763  | 108  | 1555693  | 36.433 | ng/ul  | 100      |
| 19) Hexachloroethane          | 9.052  | 117  | 585766   | 35.695 | ng/ul  | 98       |
| 22) Nitrobenzene              | 9.228  | 77   | 1782849  | 35.284 | ng/ul  | 99       |
| 23) Isophorone                | 9.746  | 82   | 3516600  | 37.044 | ng/ul  | 100      |
| 25) 2-Nitrophenol             | 9.928  | 139  | 842699   | 37.312 | ng/ul  | 100      |
| 26) 2,4-Dimethylphenol        | 9.969  | 107  | 1492459  | 32.364 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.228 | 93   | 2098218  | 35.665 | ng/ul  | 100      |
| 29) 2,4-Dichlorophenol        | 10.451 | 162  | 1410369  | 36.542 | ng/ul  | 99       |
| 30) Naphthalene               | 10.863 | 128  | 4544167  | 34.141 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.999 | 127  | 1803685  | 31.720 | ng/ul  | 100      |
| 33) Hexachlorobutadiene       | 11.093 | 225  | 777058   | 33.685 | ng/ul  | 99       |
| 34) Caprolactam               | 11.840 | 113  | 505300m  | 39.531 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.098 | 107  | 1624446  | 38.407 | ng/ul  | 99       |

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 Sample : PB155168BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SLCS168

Manual IntegrationsAPPROVED

Quant Time: Sep 07 00:43:23 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 01:52:05 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/07/2023  
 Supervised By :mohammad ahmed 09/07/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.469 | 142  | 3153934  | 35.858 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.687 | 142  | 3080846  | 34.790 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.816 | 216  | 1564505  | 35.697 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.763 | 237  | 810524   | 28.542 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.069 | 196  | 1125856  | 37.743 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.140 | 196  | 1258529  | 38.776 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.475 | 154  | 4263824  | 36.211 | ng/ul  | 100      |
| 44) 2-Chloronaphthalene       | 13.522 | 162  | 3348232  | 36.217 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.757 | 65   | 1145375  | 41.600 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.104 | 163  | 4360998  | 37.536 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.251 | 165  | 939253   | 41.627 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.369 | 152  | 5327467  | 37.232 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.587 | 138  | 991145   | 44.016 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.710 | 153  | 3622048  | 36.281 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.787 | 184  | 524422   | 37.486 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.881 | 109  | 669941   | 38.700 | ng/ul  | 97       |
| 56) Dibenzofuran              | 15.045 | 168  | 5005464  | 36.464 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.034 | 165  | 1361827  | 42.046 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 1007732  | 38.510 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.463 | 149  | 4448480  | 38.315 | ng/ul  | 99       |
| 61) Fluorene                  | 15.692 | 166  | 4187993  | 37.005 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.687 | 204  | 2063969  | 37.737 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.763 | 138  | 1005352  | 50.781 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.787 | 198  | 752409   | 37.510 | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.910 | 169  | 3552436  | 37.031 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.586 | 248  | 1224911  | 38.700 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.669 | 284  | 1304738  | 37.605 | ng/ul  | 99       |
| 70) Atrazine                  | 16.863 | 200  | 791386   | 24.095 | ng/ul  | 99       |
| 71) Pentachlorophenol         | 17.034 | 266  | 823350   | 36.390 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.457 | 178  | 6548146  | 37.041 | ng/ul  | 99       |
| 74) Anthracene                | 17.545 | 178  | 6448019  | 36.284 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.428 | 216  | 154827   | 3.416  | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.934 | 250  | 1567880  | 35.917 | ng/uL  | 98       |
| 77) Carbazole                 | 17.828 | 167  | 6137493  | 38.432 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.339 | 149  | 7618366  | 38.939 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.416 | 202  | 7557959  | 37.368 | ng/ul  | 99       |
| 82) Pyrene                    | 19.775 | 202  | 7724424  | 36.783 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 3530503  | 40.652 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 2284302  | 38.704 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.492 | 228  | 7217478  | 38.535 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.369 | 149  | 5030314  | 41.927 | ng/ul  | 97       |
| 87) Chrysene                  | 21.551 | 228  | 6639596  | 37.897 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 8239984  | 42.389 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.263 | 252  | 6370366  | 39.319 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.316 | 252  | 6247331  | 39.819 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.939 | 252  | 5417300  | 40.088 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.757 | 276  | 5879406  | 39.194 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.780 | 278  | 4910443  | 39.661 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.598 | 276  | 4537902  | 38.388 | ng/ul  | 99       |

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