

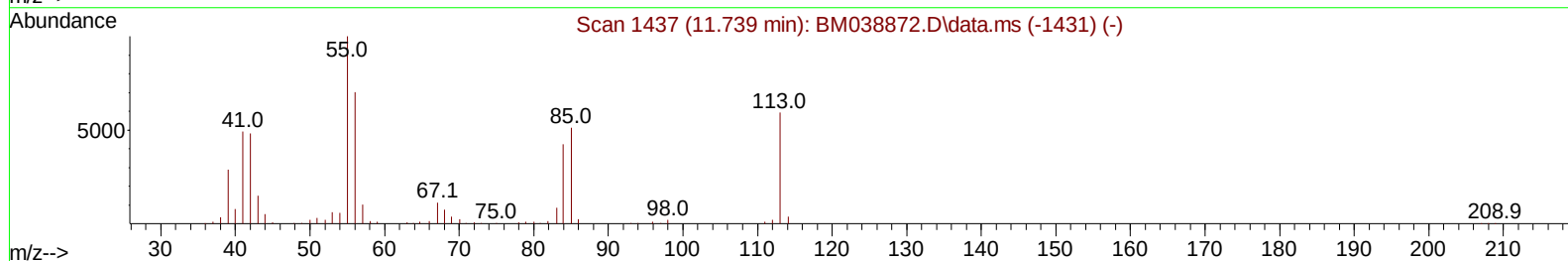
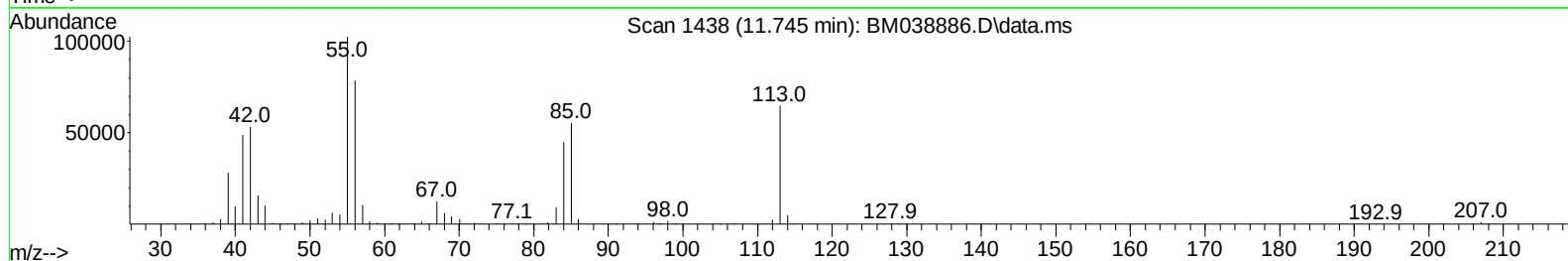
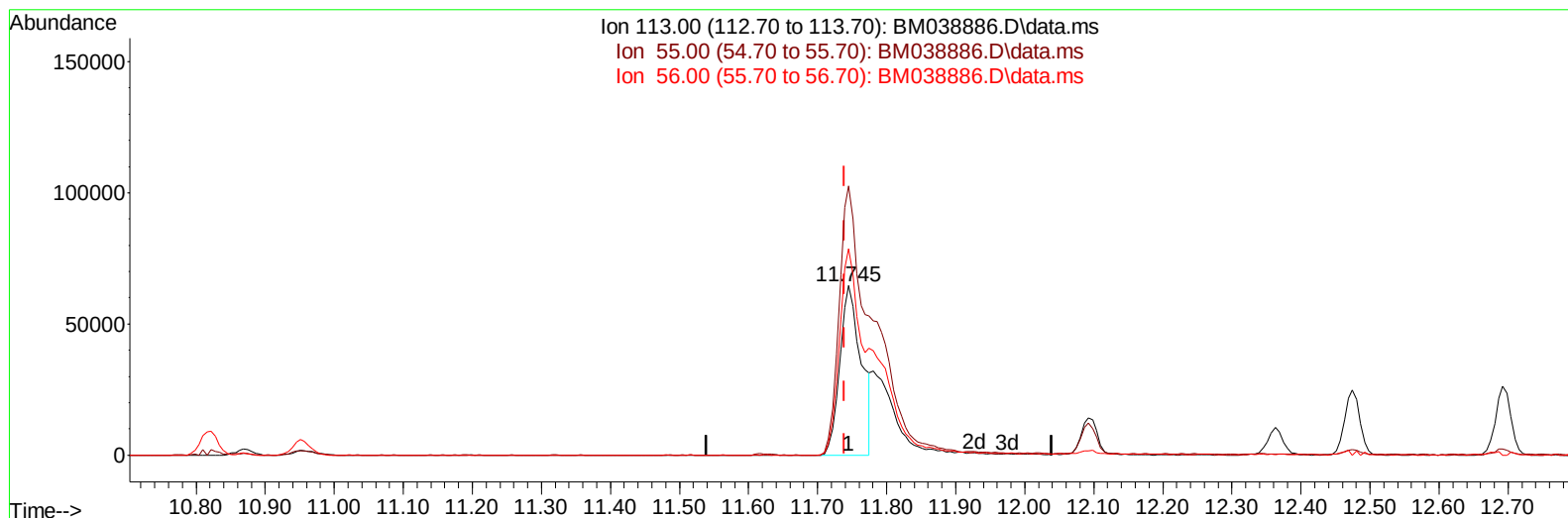
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030723\  
 Data File : BM038886.D  
 Acq On : 07 Mar 2023 00:08  
 Operator : CG/JU  
 Sample : PB151195BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS195

Manual IntegrationsAPPROVED

Quant Time: Mar 07 00:48:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM022823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 06 23:57:30 2023  
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 03/07/2023  
 Supervised By :Jagrut Upadhyay 03/07/2023



TIC: BM038886.D\data.ms

**(34) Caprolactam**

11.745min (+ 0.006) 17.98 ng/ul

response 139420

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 171.30 | 158.58 |
| 56.00  | 124.90 | 121.80 |
| 0.00   | 0.00   | 0.00   |



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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.004  | 152  | 319501   | 20.000 | ng/uI  | 0.00     |
| 20) Naphthalene-d8            | 10.822 | 136  | 1459066  | 20.000 | ng/uI  | 0.00     |
| 38) Acenaphthene-d10          | 14.639 | 164  | 902907   | 20.000 | ng/uI  | 0.00     |
| 64) Phenanthrene-d10          | 17.380 | 188  | 1881017  | 20.000 | ng/uI  | 0.00     |
| 79) Chrysene-d12              | 21.562 | 240  | 1819657  | 20.000 | ng/uI  | 0.00     |
| 88) Perylene-d12              | 24.009 | 264  | 1997936  | 20.000 | ng/uI  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 46956    | 5.488  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.799  | 84   | 666322   | 28.323 | ng/uI  | 0.00     |
| 7) Phenol-d5                  | 7.157  | 99   | 879622   | 29.366 | ng/uI  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.328  | 67   | 535142   | 27.961 | ng/uI  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.534  | 132  | 681320   | 30.525 | ng/uI  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.710  | 113  | 675449   | 28.623 | ng/uI  | 0.00     |
| 21) Nitrobenzene-d5           | 9.169  | 128  | 337175   | 32.917 | ng/uI  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.898  | 143  | 346397   | 36.090 | ng/uI  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.434 | 165  | 675099   | 30.269 | ng/uI  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.951 | 131  | 946858   | 25.470 | ng/uI  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.051 | 166  | 1980626  | 28.322 | ng/uI  | 0.00     |
| 49) Acenaphthylene-d8         | 14.333 | 160  | 2376109  | 29.070 | ng/uI  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.821 | 143  | 412685   | 29.479 | ng/uI  | 0.00     |
| 60) Fluorene-d10              | 15.627 | 176  | 1744207  | 28.280 | ng/uI  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 200  | 310002   | 31.701 | ng/uI  | 0.00     |
| 73) Anthracene-d10            | 17.480 | 188  | 2679322  | 28.887 | ng/uI  | 0.00     |
| 81) Pyrene-d10                | 19.768 | 212  | 3061723  | 30.592 | ng/uI  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.856 | 264  | 3102643  | 30.816 | ng/uI  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.416  | 88   | 96388    | 10.482 | ng/uL  | 97       |
| 5) Pyridine                   | 3.822  | 79   | 689186   | 27.213 | ng/uI  | 94       |
| 6) Benzaldehyde               | 7.134  | 77   | 508885   | 35.079 | ng/uI  | 99       |
| 8) Phenol                     | 7.181  | 94   | 931444   | 29.053 | ng/uI  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.422  | 93   | 722852   | 28.320 | ng/uI  | 99       |
| 12) 2-Chlorophenol            | 7.563  | 128  | 696685   | 30.305 | ng/uI  | 97       |
| 13) 2-Methylphenol            | 8.445  | 108  | 689519   | 28.772 | ng/uI  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.534  | 45   | 884806   | 27.614 | ng/uI  | 100      |
| 16) Acetophenone              | 8.834  | 105  | 1144711  | 27.911 | ng/uI  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.822  | 70   | 563226   | 29.900 | ng/uI  | 99       |
| 18) 4-Methylphenol            | 8.775  | 108  | 764601   | 28.734 | ng/uI  | 97       |
| 19) Hexachloroethane          | 9.092  | 117  | 285008   | 30.945 | ng/uI  | 96       |
| 22) Nitrobenzene              | 9.216  | 77   | 845972   | 30.189 | ng/uI  | 97       |
| 23) Isophorone                | 9.745  | 82   | 1611056  | 28.264 | ng/uI  | 99       |
| 25) 2-Nitrophenol             | 9.928  | 139  | 389175   | 34.193 | ng/uI  | 97       |
| 26) 2,4-Dimethylphenol        | 9.986  | 107  | 761964   | 27.249 | ng/uI  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.228 | 93   | 1004100  | 28.706 | ng/uI  | 98       |
| 29) 2,4-Dichlorophenol        | 10.463 | 162  | 677234   | 29.954 | ng/uI  | 98       |
| 30) Naphthalene               | 10.869 | 128  | 2372182  | 28.492 | ng/uI  | 99       |
| 32) 4-Chloroaniline           | 10.975 | 127  | 925333   | 24.584 | ng/uI  | 100      |
| 33) Hexachlorobutadiene       | 11.157 | 225  | 400984   | 28.504 | ng/uI  | 99       |
| 34) Caprolactam               | 11.745 | 113  | 214151m  | 27.622 | ng/uI  |          |
| 35) 4-Chloro-3-methylphenol   | 12.092 | 107  | 753713   | 29.488 | ng/uI  | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 36) 2-Methylnaphthalene       | 12.475 | 142  | 1546847  | 28.464 | ng/ul | 100      |
| 37) 1-Methylnaphthalene       | 12.692 | 142  | 1595344  | 29.136 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.839 | 216  | 785770   | 29.094 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.822 | 237  | 434333   | 29.807 | ng/ul | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.075 | 196  | 526450   | 30.903 | ng/ul | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.145 | 196  | 577917   | 30.824 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.480 | 154  | 2100803  | 29.498 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.522 | 162  | 1645581  | 29.295 | ng/ul | 100      |
| 45) 2-Nitroaniline            | 13.722 | 65   | 466226   | 36.780 | ng/ul | 97       |
| 47) Dimethylphthalate         | 14.098 | 163  | 2000119  | 28.222 | ng/ul | 99       |
| 48) 2,6-Dinitrotoluene        | 14.216 | 165  | 386637   | 34.476 | ng/ul | 96       |
| 50) Acenaphthylene            | 14.363 | 152  | 2628157  | 28.992 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.539 | 138  | 429216   | 30.494 | ng/ul | 95       |
| 52) Acenaphthene              | 14.704 | 153  | 1769029  | 28.351 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.745 | 184  | 196045   | 30.750 | ng/ul | 93       |
| 55) 4-Nitrophenol             | 14.839 | 109  | 320910   | 28.699 | ng/ul | 99       |
| 56) Dibenzofuran              | 15.039 | 168  | 2470142  | 28.515 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.998 | 165  | 571901   | 32.989 | ng/ul | 95       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 487211   | 29.847 | ng/ul | 99       |
| 59) Diethylphthalate          | 15.463 | 149  | 2016033  | 28.747 | ng/ul | 99       |
| 61) Fluorene                  | 15.686 | 166  | 2049675  | 28.220 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.680 | 204  | 993195   | 28.325 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.704 | 138  | 473841   | 32.548 | ng/ul | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.757 | 198  | 317550   | 31.377 | ng/ul | 99       |
| 67) N-Nitrosodiphenylamine    | 15.892 | 169  | 1677952  | 29.493 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.574 | 248  | 564551   | 29.160 | ng/ul | 98       |
| 69) Hexachlorobenzene         | 16.686 | 284  | 672274   | 28.668 | ng/ul | 99       |
| 70) Atrazine                  | 16.845 | 200  | 531838   | 27.633 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.027 | 266  | 417076   | 29.251 | ng/ul | 100      |
| 72) Phenanthrene              | 17.427 | 178  | 3142483  | 28.915 | ng/ul | 100      |
| 74) Anthracene                | 17.515 | 178  | 3197934  | 28.899 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.445 | 216  | 796727   | 30.055 | ng/uL | 99       |
| 76) Pentachlorobenzene        | 14.957 | 250  | 790030   | 29.005 | ng/uL | 100      |
| 77) Carbazole                 | 17.786 | 167  | 2956828  | 28.774 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.357 | 149  | 3381443  | 32.344 | ng/ul | 99       |
| 80) Fluoranthene              | 19.439 | 202  | 3582147  | 31.120 | ng/ul | 99       |
| 82) Pyrene                    | 19.798 | 202  | 3839976  | 30.423 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.698 | 149  | 1446796  | 43.138 | ng/ul | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.474 | 252  | 1132875  | 31.772 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 3834314  | 30.497 | ng/ul | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.474 | 149  | 2229721  | 39.991 | ng/ul | 98       |
| 87) Chrysene                  | 21.597 | 228  | 3629323  | 29.518 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.421 | 149  | 3707444  | 36.905 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.262 | 252  | 3878167  | 31.262 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.315 | 252  | 4022526  | 31.567 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 23.909 | 252  | 3550306  | 30.895 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.574 | 276  | 4460552  | 29.364 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.591 | 278  | 3723142  | 29.052 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.362 | 276  | 3563120  | 28.647 | ng/ul | 98       |

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

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BNA\_M

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