Quantitation Report (Qedit)

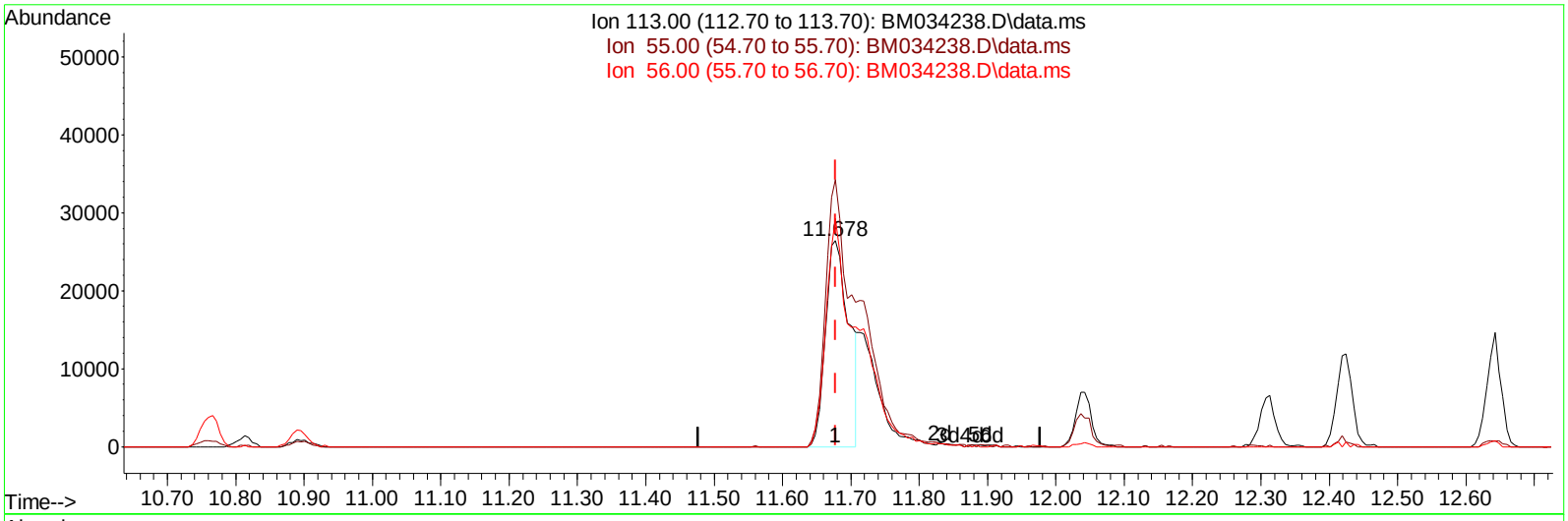
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031122\
Data File : BM034238.D
Acq On : 12 Mar 2022 01:14
Operator : CG/JU
Sample : PB143172BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

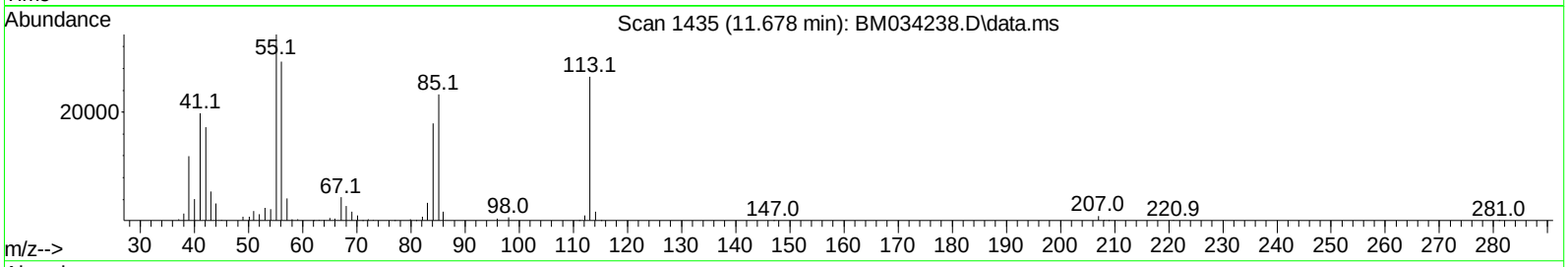
Quant Time: Mar 12 01:53:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031022.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 11 02:00:05 2022
Response via : Initial Calibration

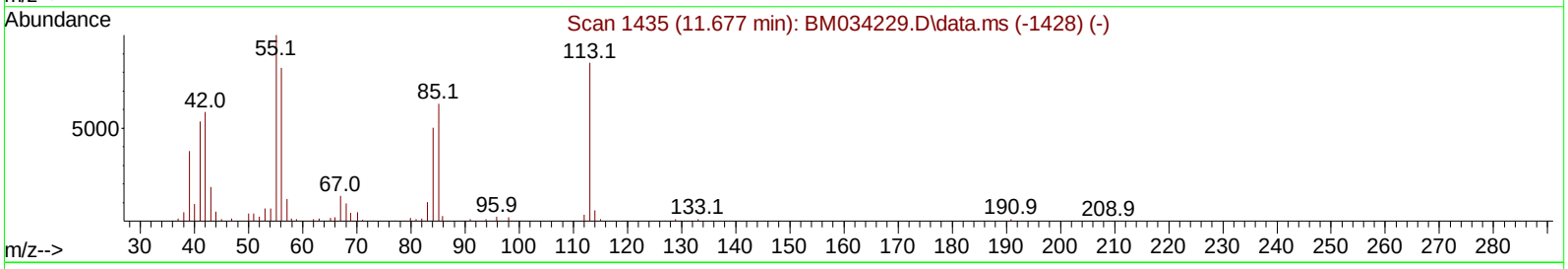
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS172

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 03/14/2022
Supervised By :mohammad ahmed 03/14/2022




TIC: BM034238.D\data.ms

**(34) Caprolactam**

**11.678min (+ 0.000) 18.85 ng/ul**

**response 62919**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 126.10 | 129.44 |
| 56.00 | 101.20 | 110.65 |
| 0.00 | 0.00 | 0.00 |

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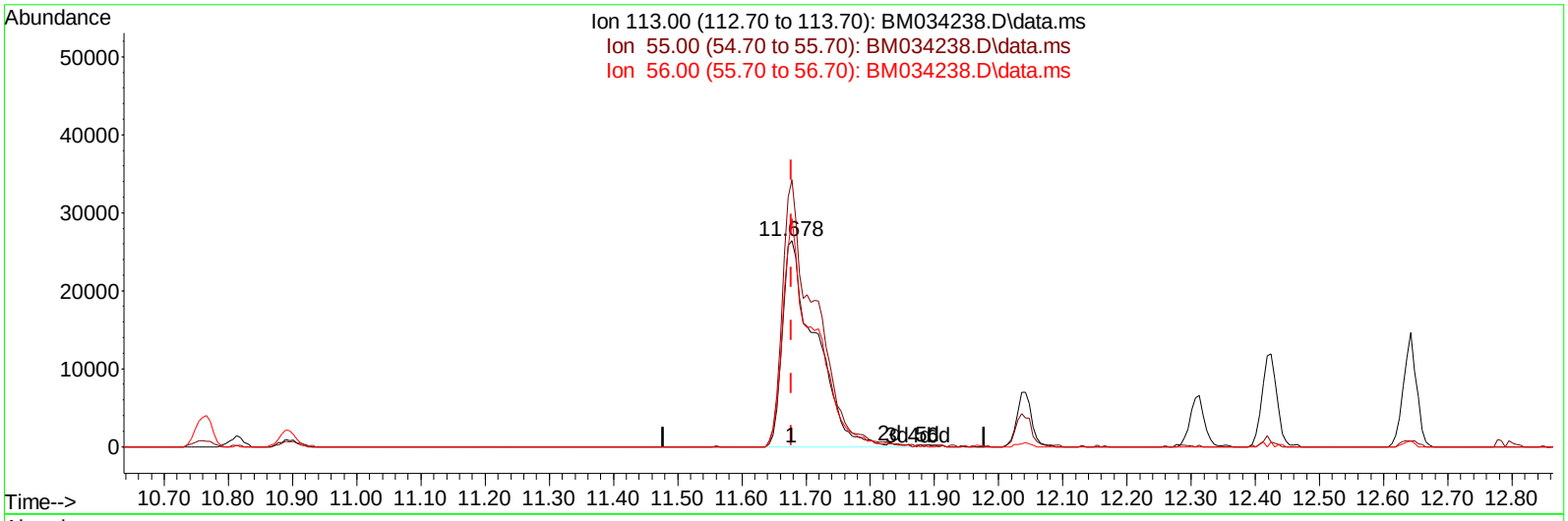


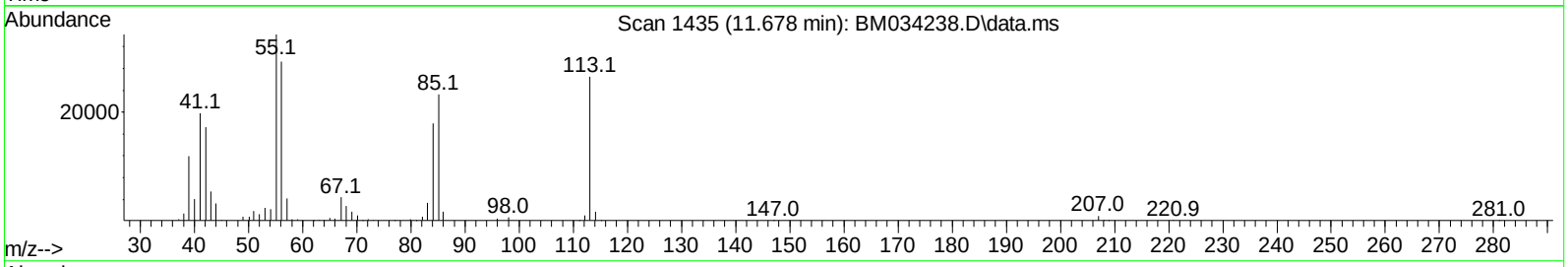


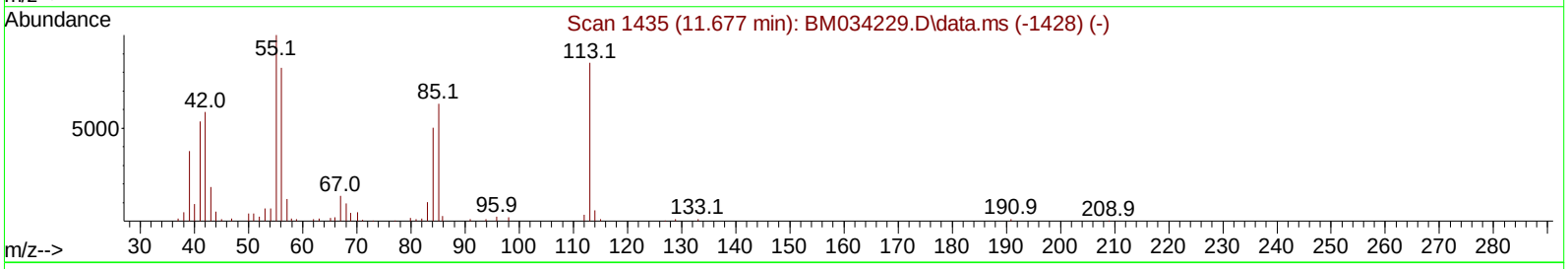


TIC: BM034238.D\data.ms

**(34) Caprolactam**

**11.678min (+ 0.000) 28.36 ng/ul m**

**response 94696**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 126.10 | 129.44 |
| 56.00 | 101.20 | 110.65 |
| 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 | 7.948 | 152 | 186736 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.766 | 136 | 775516 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.589 | 164 | 509081 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.330 | 188 | 982321 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.500 | 240 | 897372 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.918 | 264 | 885866 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.319 | 96 | 22275 | 5.207 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.743 | 84 | 283932 | 27.877 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.101 | 99 | 380490 | 30.448 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.272 | 67 | 222197 | 30.309 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.478 | 132 | 333583 | 30.888 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.660 | 113 | 325683 | 30.473 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.113 | 128 | 167029 | 30.026 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.836 | 143 | 183963 | 29.824 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.378 | 165 | 378203 | 30.584 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.889 | 131 | 399799 | 25.997 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.995 | 166 | 1047170 | 28.270 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.283 | 160 | 1351008 | 28.716 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.771 | 143 | 159766 | 27.690 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.577 | 176 | 912914 | 28.154 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.689 | 200 | 170839 | 27.488 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.430 | 188 | 1338681 | 28.853 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.712 | 212 | 1491955 | 30.539 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.765 | 264 | 1356448 | 31.037 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.355 | 88 | 43551 | 10.275 | ng/uL | 99 |
| 5) Pyridine | 3.760 | 79 | 292783 | 27.738 | ng/ul | 99 |
| 6) Benzaldehyde | 7.078 | 77 | 230860 | 35.496 | ng/ul | 99 |
| 8) Phenol | 7.131 | 94 | 362230 | 29.377 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.366 | 93 | 299475 | 29.134 | ng/ul | 100 |
| 12) 2-Chlorophenol | 7.507 | 128 | 327960 | 30.098 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.390 | 108 | 294505 | 29.847 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.478 | 45 | 289261 | 30.516 | ng/ul | 99 |
| 16) Acetophenone | 8.772 | 105 | 484873 | 28.893 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.766 | 70 | 245762 | 31.123 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.719 | 108 | 315539 | 29.663 | ng/ul | 96 |
| 19) Hexachloroethane | 9.042 | 117 | 141195 | 28.732 | ng/ul | 91 |
| 22) Nitrobenzene | 9.154 | 77 | 347807 | 28.807 | ng/ul | 99 |
| 23) Isophorone | 9.684 | 82 | 665424 | 29.160 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.872 | 139 | 190272 | 30.123 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.931 | 107 | 366142 | 28.055 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.166 | 93 | 410302 | 29.228 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.407 | 162 | 346078 | 29.000 | ng/ul | 99 |
| 30) Naphthalene | 10.813 | 128 | 1076826 | 27.803 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.919 | 127 | 379650 | 24.821 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.107 | 225 | 266274 | 27.005 | ng/ul | 99 |
| 34) Caprolactam | 11.678 | 113 | 94696m | 28.364 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.042 | 107 | 333551 | 30.130 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.425 | 142 | 757273 | 28.471 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.642 | 142 | 770437 | 28.360 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.789 | 216 | 474832 | 27.034 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.777 | 237 | 295251 | 23.562 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 13.025 | 196 | 301970 | 29.341 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.095 | 196 | 319314 | 28.628 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.430 | 154 | 1055505 | 27.912 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.472 | 162 | 820783 | 27.460 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.666 | 65 | 181097 | 30.548 | ng/ul | 94 |
| 47) Dimethylphthalate | 14.048 | 163 | 999016 | 27.626 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.160 | 165 | 208949 | 29.634 | ng/ul | 97 |
| 50) Acenaphthylene | 14.313 | 152 | 1281269 | 27.800 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.483 | 138 | 162978 | 26.546 | ng/ul | 99 |
| 52) Acenaphthene | 14.654 | 153 | 839851 | 27.783 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.689 | 184 | 109224 | 23.825 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.783 | 109 | 128824 | 26.829 | ng/ul | 94 |
| 56) Dibenzofuran | 14.989 | 168 | 1208561 | 27.605 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.942 | 165 | 287264 | 29.607 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.213 | 232 | 272831 | 28.610 | ng/ul | 98 |
| 59) Diethylphthalate | 15.407 | 149 | 967490 | 28.002 | ng/ul | 99 |
| 61) Fluorene | 15.636 | 166 | 983117 | 27.612 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.630 | 204 | 532631 | 27.592 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.642 | 138 | 162137 | 31.197 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.707 | 198 | 166750 | 27.449 | ng/ul# | 96 |
| 67) N-Nitrosodiphenylamine | 15.836 | 169 | 820174 | 28.868 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.518 | 248 | 320637 | 28.971 | ng/ul | 98 |
| 69) Hexachlorobenzene | 16.642 | 284 | 393401 | 28.497 | ng/ul | 98 |
| 70) Atrazine | 16.789 | 200 | 310533 | 27.741 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.977 | 266 | 227322 | 27.376 | ng/ul | 100 |
| 72) Phenanthrene | 17.371 | 178 | 1483135 | 28.358 | ng/ul | 99 |
| 74) Anthracene | 17.465 | 178 | 1460459 | 28.137 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.395 | 216 | 486068 | 27.985 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.913 | 250 | 484710 | 29.665 | ng/uL | 99 |
| 77) Carbazole | 17.730 | 167 | 1189971 | 28.210 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.301 | 149 | 1477894 | 29.303 | ng/ul | 100 |
| 80) Fluoranthene | 19.383 | 202 | 1646328 | 29.617 | ng/ul | 100 |
| 82) Pyrene | 19.742 | 202 | 1708159 | 29.612 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.636 | 149 | 594280 | 30.776 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.412 | 252 | 450311 | 25.313 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.483 | 228 | 1536606 | 29.299 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.418 | 149 | 848397 | 29.541 | ng/ul | 98 |
| 87) Chrysene | 21.536 | 228 | 1573060 | 27.861 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.342 | 149 | 1397753 | 29.446 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.183 | 252 | 1608808 | 30.977 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.230 | 252 | 1561909 | 29.505 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.812 | 252 | 1596701 | 30.824 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 26.441 | 276 | 1747966 | 30.862 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.459 | 278 | 1480181 | 31.193 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.218 | 276 | 1560662 | 29.631 | ng/ul | 98 |

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

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