Quantitation Report (Qedit)

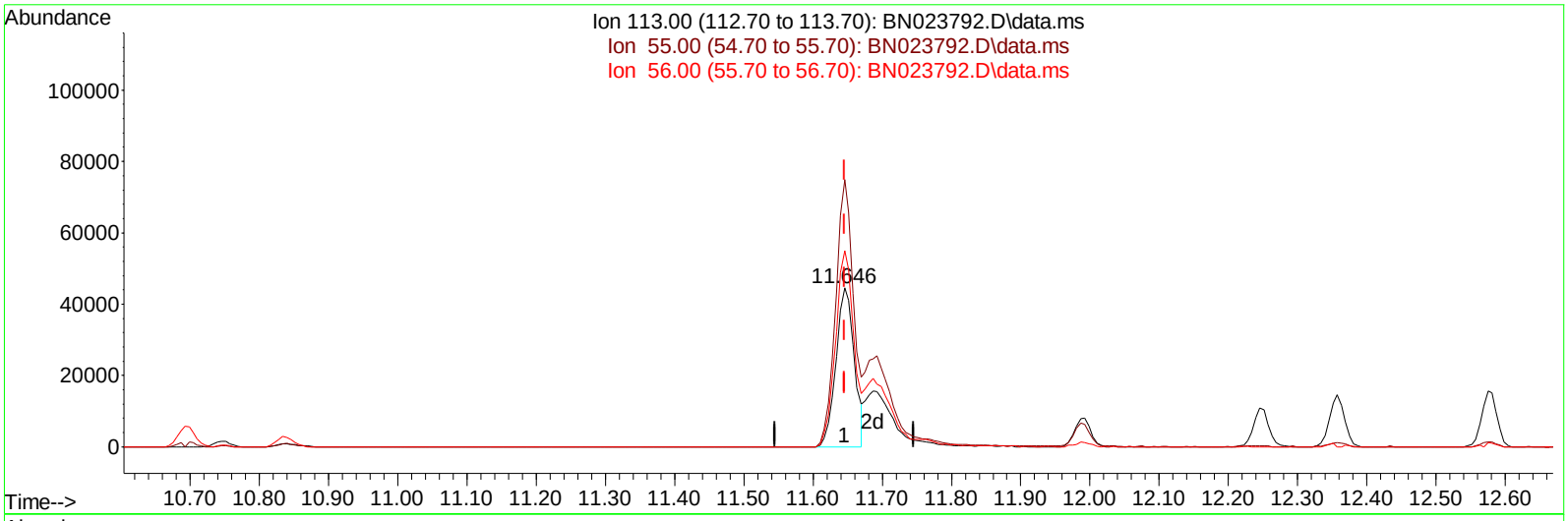
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012523\
Data File : BN023792.D
Acq On : 25 Jan 2023 13:16
Operator : CG/JU
Sample : PB150438BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

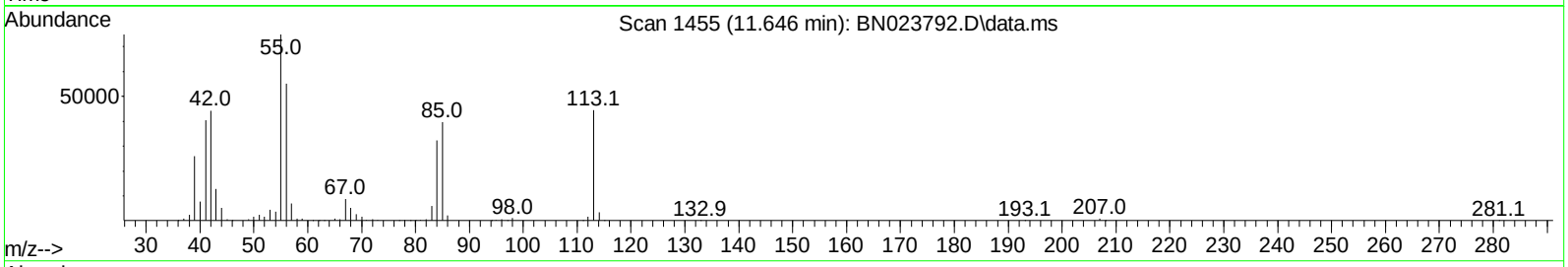
Quant Time: Jan 25 22:46:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 22:45:29 2023
Response via : Initial Calibration

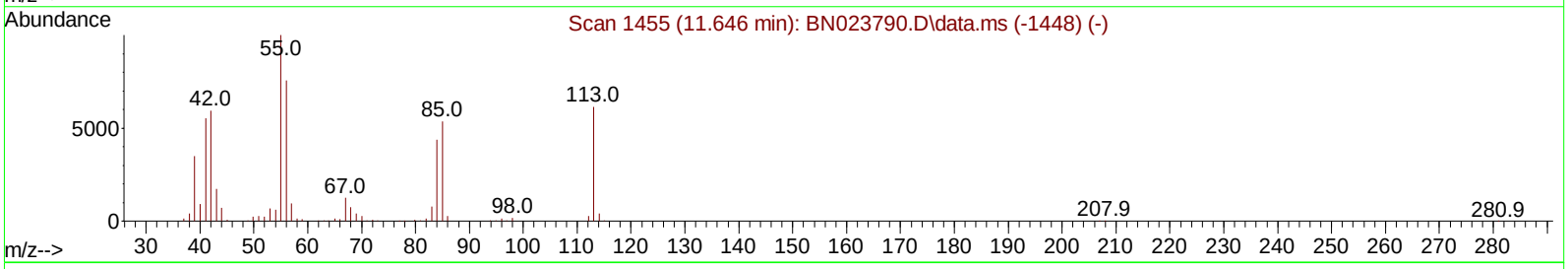
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS438

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 01/26/2023
Supervised By :mohammad ahmed 01/27/2023




TIC: BN023792.D\data.ms

**(34) Caprolactam**

**11.646min (+ 0.000) 19.70 ng/ul**

**response 80975**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 161.40 | 168.18 |
| 56.00 | 117.80 | 123.62 |
| 0.00 | 0.00 | 0.00 |

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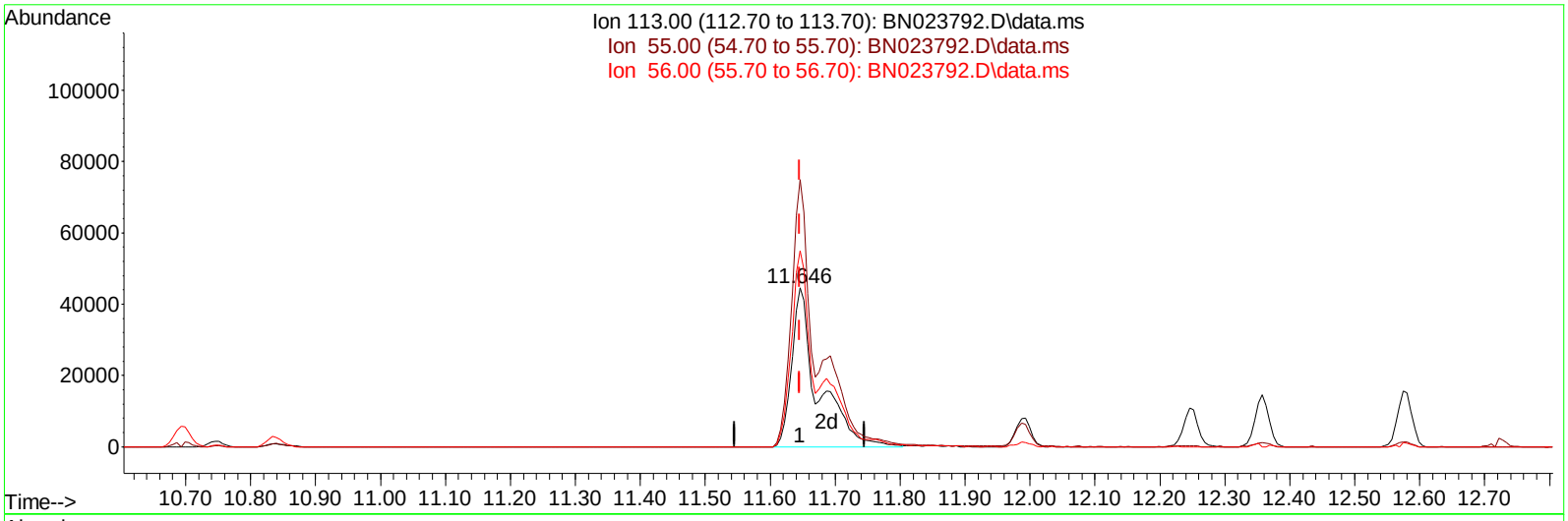


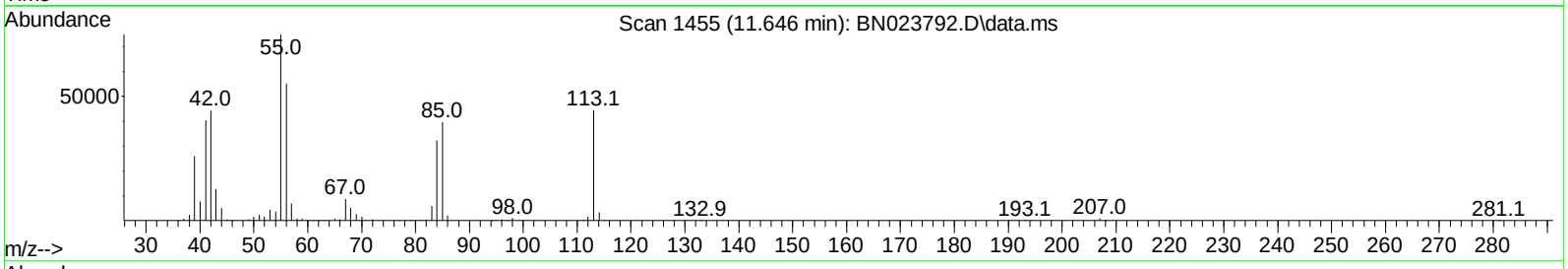


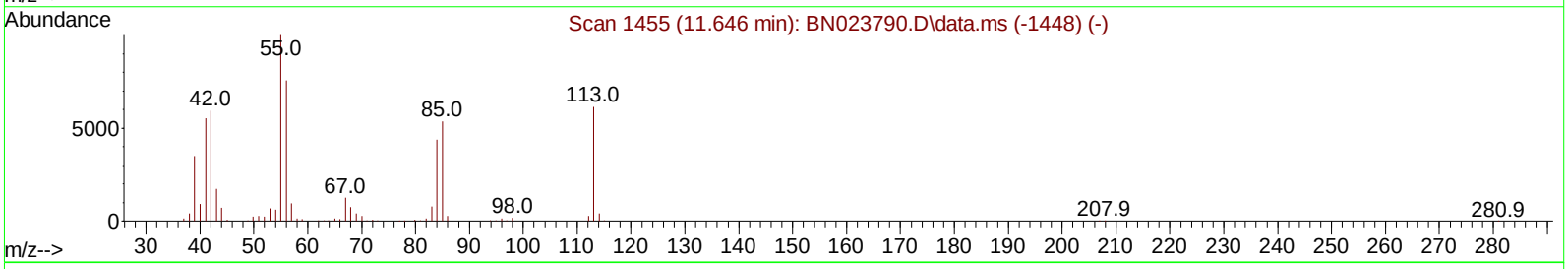


TIC: BN023792.D\data.ms

**(34) Caprolactam**

**11.646min (+ 0.000) 30.53 ng/ul m**

**response 125468**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 161.40 | 168.18 |
| 56.00 | 117.80 | 123.62 |
| 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 | 7.887 | 152 | 196231 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.693 | 136 | 803236 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.534 | 164 | 403219 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.281 | 188 | 1020401 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.480 | 240 | 1007110 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.880 | 264 | 1072047 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.269 | 96 | 28921 | 6.342 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.693 | 84 | 318546 | 23.283 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.052 | 99 | 537701 | 30.918 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.216 | 67 | 330084 | 30.938 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.416 | 132 | 431823 | 32.420 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.605 | 113 | 416719 | 30.020 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.057 | 128 | 205352 | 33.903 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.781 | 143 | 227803 | 35.528 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.316 | 165 | 405443 | 33.151 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.840 | 131 | 387810 | 20.159 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.951 | 166 | 1005601 | 33.526 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.228 | 160 | 1119227 | 33.677 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.739 | 143 | 202720 | 33.198 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.528 | 176 | 979587 | 38.220 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200 | 206270 | 33.510 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.381 | 188 | 1529867 | 33.504 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.675 | 212 | 1832078 | 31.808 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.733 | 264 | 1801132 | 33.974 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 57308 | 11.905 | ng/uL | 99 |
| 5) Pyridine | 3.711 | 79 | 399467 | 28.521 | ng/ul | 96 |
| 6) Benzaldehyde | 7.022 | 77 | 332457 | 49.360 | ng/ul | 99 |
| 8) Phenol | 7.075 | 94 | 537632 | 30.369 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.310 | 93 | 424234 | 30.328 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.446 | 128 | 428279 | 31.115 | ng/ul | 100 |
| 13) 2-Methylphenol | 8.334 | 108 | 397720 | 29.853 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.422 | 45 | 562914 | 30.089 | ng/ul | 99 |
| 16) Acetophenone | 8.716 | 105 | 624421 | 29.104 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.705 | 70 | 322571 | 29.860 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.669 | 108 | 429998 | 29.308 | ng/ul | 97 |
| 19) Hexachloroethane | 8.963 | 117 | 174726 | 31.739 | ng/ul | 94 |
| 22) Nitrobenzene | 9.099 | 77 | 494975 | 32.652 | ng/ul | 98 |
| 23) Isophorone | 9.628 | 82 | 880442 | 32.114 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.810 | 139 | 239261 | 33.570 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.869 | 107 | 456546 | 31.564 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.110 | 93 | 553203 | 31.109 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.346 | 162 | 387051 | 31.628 | ng/ul | 97 |
| 30) Naphthalene | 10.746 | 128 | 1335952 | 30.939 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.863 | 127 | 495924 | 25.740 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 11.028 | 225 | 238293 | 31.482 | ng/ul | 99 |
| 34) Caprolactam | 11.646 | 113 | 125468m | 30.527 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.987 | 107 | 421897 | 31.619 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.357 | 142 | 879832 | 30.566 | ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.581 | 142 | 898401 | 30.550 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.728 | 216 | 454945 | 38.149 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.704 | 237 | 286881 | 38.169 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 12.969 | 196 | 264912 | 33.700 | ng/ul | 93 |
| 42) 2,4,5-Trichlorophenol | 13.040 | 196 | 305982 | 35.593 | ng/ul | 91 |
| 43) 1,1'-Biphenyl | 13.369 | 154 | 1005517 | 32.323 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.410 | 162 | 797475 | 33.042 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.622 | 65 | 261050 | 39.222 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.998 | 163 | 981884 | 32.577 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.122 | 165 | 203037 | 35.633 | ng/ul | 98 |
| 50) Acenaphthylene | 14.257 | 152 | 1189355 | 32.185 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.445 | 138 | 205043 | 35.910 | ng/ul | 98 |
| 52) Acenaphthene | 14.598 | 153 | 841686 | 32.307 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.651 | 184 | 103295 | 27.737 | ng/ul | 95 |
| 55) 4-Nitrophenol | 14.757 | 109 | 167552 | 33.977 | ng/ul | 98 |
| 56) Dibenzofuran | 14.934 | 168 | 1251081 | 34.499 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 14.904 | 165 | 317565 | 38.177 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232 | 262156 | 35.588 | ng/ul | 99 |
| 59) Diethylphthalate | 15.363 | 149 | 1122906 | 37.192 | ng/ul | 100 |
| 61) Fluorene | 15.581 | 166 | 1080666 | 36.800 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204 | 530212 | 37.088 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.610 | 138 | 267399 | 50.864 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.669 | 198 | 193352 | 31.829 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 15.792 | 169 | 937600 | 32.742 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248 | 342570 | 33.493 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.586 | 284 | 391281 | 32.646 | ng/ul | 99 |
| 70) Atrazine | 16.745 | 200 | 344570 | 32.151 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.928 | 266 | 241379 | 31.555 | ng/ul | 96 |
| 72) Phenanthrene | 17.328 | 178 | 1762405 | 32.234 | ng/ul | 99 |
| 74) Anthracene | 17.416 | 178 | 1732465 | 31.838 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.334 | 216 | 410053 | 29.848 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.851 | 250 | 403131 | 29.295 | ng/uL | 95 |
| 77) Carbazole | 17.686 | 167 | 1646507 | 33.325 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.251 | 149 | 2040575 | 34.786 | ng/ul | 100 |
| 80) Fluoranthene | 19.339 | 202 | 2108340 | 31.296 | ng/ul | 97 |
| 82) Pyrene | 19.704 | 202 | 2179537 | 30.630 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.604 | 149 | 991880 | 35.209 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.398 | 252 | 743917 | 33.814 | ng/ul | 93 |
| 85) Benzo(a)anthracene | 21.463 | 228 | 2237349 | 32.796 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.386 | 149 | 1463658 | 35.784 | ng/ul | 97 |
| 87) Chrysene | 21.516 | 228 | 2086110 | 32.614 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.316 | 149 | 2501861 | 33.814 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.151 | 252 | 2380369 | 34.857 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.204 | 252 | 2096702 | 31.042 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.780 | 252 | 1949822 | 32.923 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 26.380 | 276 | 2125314 | 29.037 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.398 | 278 | 1720943 | 28.436 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 27.156 | 276 | 1837937 | 31.531 | ng/ul | 99 |

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

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