Quantitation Report (Qedit)

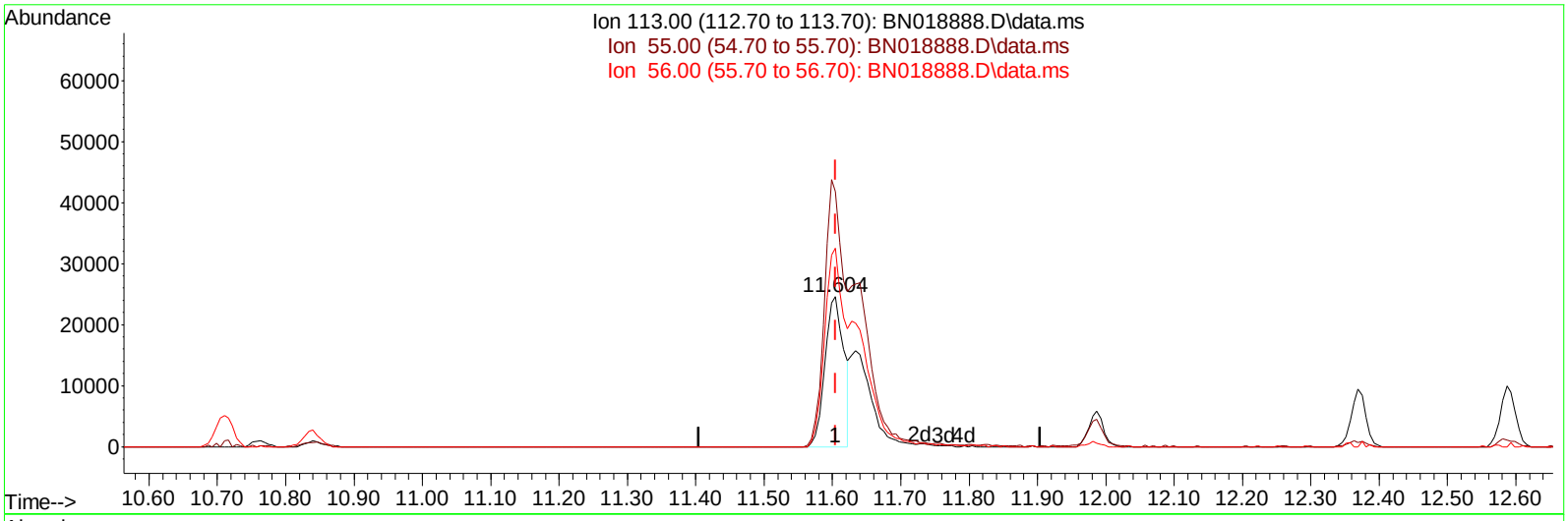
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030922\
Data File : BN018888.D
Acq On : 09 Mar 2022 17:21
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

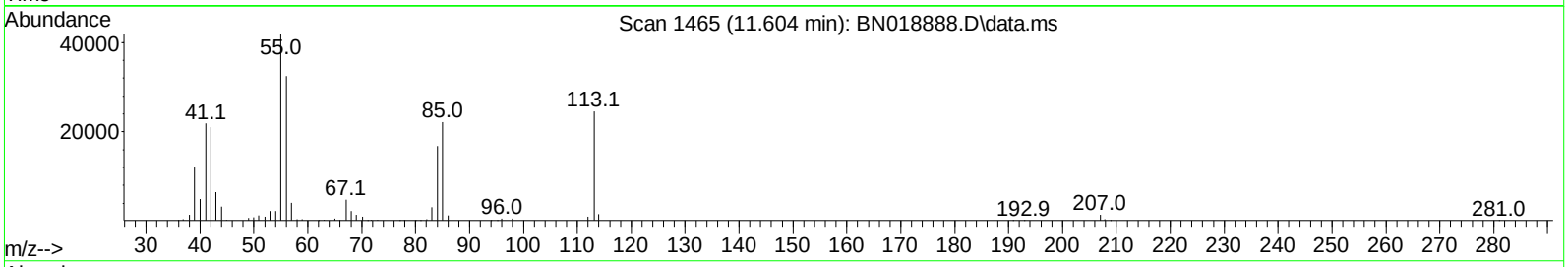
Quant Time: Mar 10 01:37:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030822.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 08 14:15:20 2022
Response via : Initial Calibration

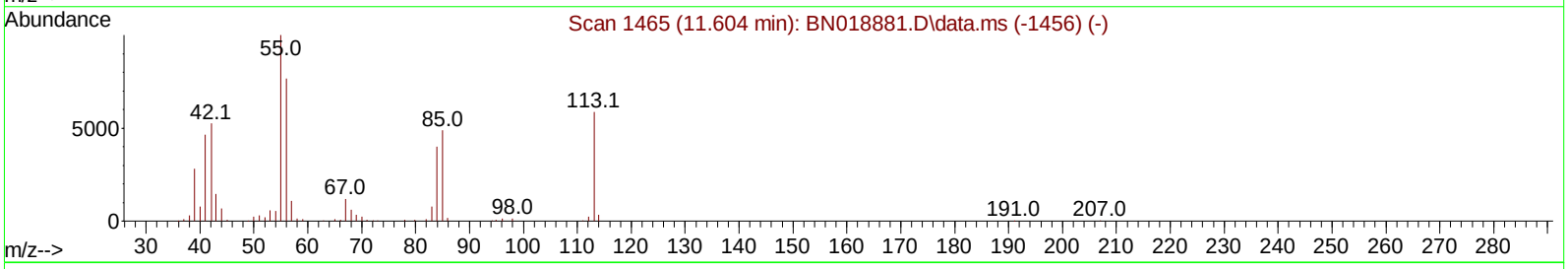
**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 03/10/2022
Supervised By :Yogesh Patel 03/11/2022




TIC: BN018888.D\data.ms

**(34) Caprolactam**

**11.604min (+ 0.000) 11.34 ng/ul**

**response 47363**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 181.90 | 169.62 |
| 56.00 | 133.10 | 131.84 |
| 0.00 | 0.00 | 0.00 |

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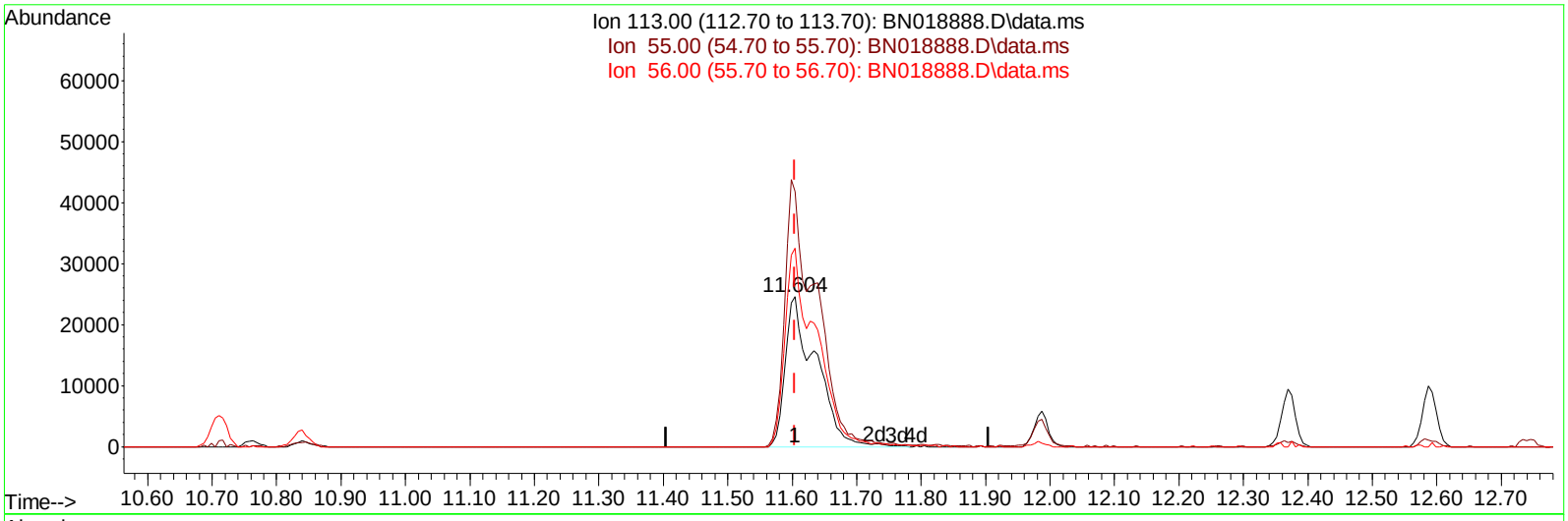


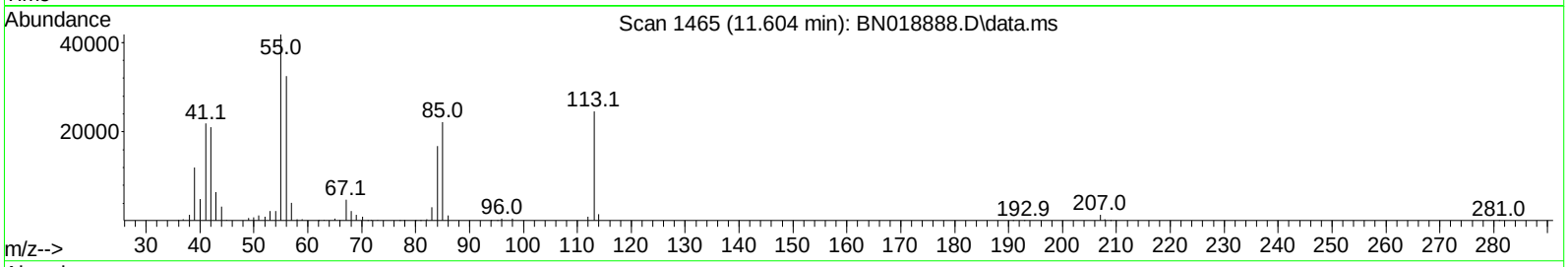


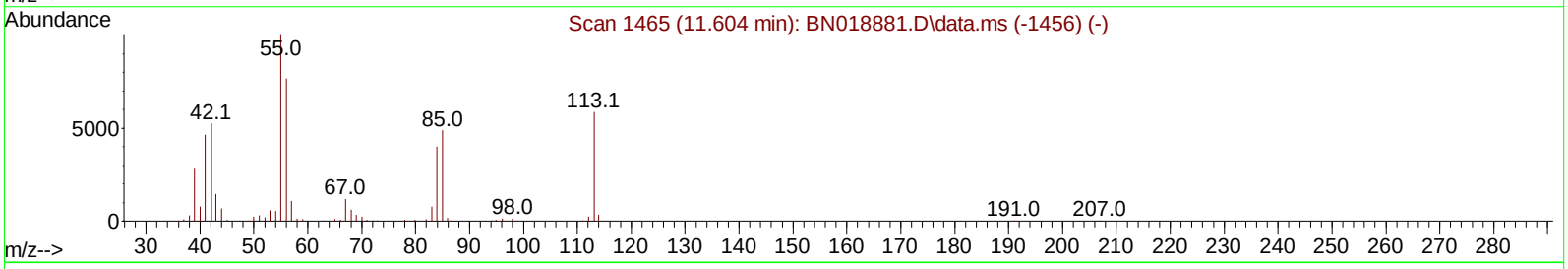


TIC: BN018888.D\data.ms

**(34) Caprolactam**

**11.604min (+ 0.000) 19.58 ng/ul m**

**response 81773**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 181.90 | 169.62 |
| 56.00 | 133.10 | 131.84 |
| 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 | 7.905 | 152 | 149178 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.710 | 136 | 699050 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.540 | 164 | 474747 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.275 | 188 | 1035593 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.457 | 240 | 1101215 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.851 | 264 | 1190968 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.270 | 96 | 31045 | 8.324 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.687 | 84 | 231048 | 20.245 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.058 | 99 | 295033 | 20.257 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.222 | 67 | 183040 | 20.865 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.428 | 132 | 219684 | 21.048 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.605 | 113 | 240665 | 20.322 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.058 | 128 | 112088 | 20.874 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.787 | 143 | 126247 | 21.399 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.328 | 165 | 233717 | 20.711 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.840 | 131 | 365174 | 21.490 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.945 | 166 | 759515 | 21.130 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.234 | 160 | 943623 | 21.091 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.716 | 143 | 146547 | 20.132 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.528 | 176 | 655289 | 20.973 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.640 | 200 | 128584 | 20.035 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.375 | 188 | 1052013 | 21.239 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.663 | 212 | 1292905 | 21.695 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.698 | 264 | 1340740 | 21.600 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 32569 | 8.045 | ng/uL | 96 |
| 5) Pyridine | 3.711 | 79 | 239633 | 20.359 | ng/ul | 98 |
| 6) Benzaldehyde | 7.028 | 77 | 117745 | 15.875 | ng/ul | 96 |
| 8) Phenol | 7.081 | 94 | 309899 | 20.337 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.316 | 93 | 242052 | 20.593 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.463 | 128 | 227852 | 20.587 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.340 | 108 | 227036 | 19.957 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.434 | 45 | 353885 | 21.089 | ng/ul | 100 |
| 16) Acetophenone | 8.722 | 105 | 385813 | 21.022 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.710 | 70 | 198343 | 21.206 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.669 | 108 | 256554 | 20.166 | ng/ul | 98 |
| 19) Hexachloroethane | 8.993 | 117 | 87864 | 20.346 | ng/ul | 97 |
| 22) Nitrobenzene | 9.105 | 77 | 288208 | 20.681 | ng/ul | 99 |
| 23) Isophorone | 9.628 | 82 | 547705 | 20.566 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.816 | 139 | 136973 | 20.891 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.875 | 107 | 293469 | 20.608 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.116 | 93 | 341081 | 20.288 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.352 | 162 | 236976 | 20.639 | ng/ul | 99 |
| 30) Naphthalene | 10.757 | 128 | 794896 | 20.634 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.863 | 127 | 380787 | 21.597 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.057 | 225 | 149449 | 20.718 | ng/ul | 96 |
| 34) Caprolactam | 11.604 | 113 | 81773m | 19.584 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.987 | 107 | 276798 | 20.585 | ng/ul | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.369 | 142 | 562194 | 20.757 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.587 | 142 | 581206 | 20.780 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.740 | 216 | 298068 | 20.535 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.728 | 237 | 170290 | 19.969 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.975 | 196 | 189839 | 20.233 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.040 | 196 | 212777 | 20.530 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.375 | 154 | 770254 | 20.642 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.416 | 162 | 595863 | 20.736 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.610 | 65 | 177965 | 20.780 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.993 | 163 | 757076 | 20.543 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.110 | 165 | 150590 | 21.324 | ng/ul | 94 |
| 50) Acenaphthylene | 14.257 | 152 | 977344 | 20.888 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.434 | 138 | 111525 | 16.303 | ng/ul | 97 |
| 52) Acenaphthene | 14.604 | 153 | 624095 | 20.375 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.640 | 184 | 79141 | 17.529 | ng/ul | 95 |
| 55) 4-Nitrophenol | 14.734 | 109 | 127807 | 20.391 | ng/ul | 99 |
| 56) Dibenzofuran | 14.934 | 168 | 906197 | 20.481 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.893 | 165 | 228283 | 21.477 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232 | 171566 | 20.126 | ng/ul | 97 |
| 59) Diethylphthalate | 15.351 | 149 | 748065 | 20.395 | ng/ul | 99 |
| 61) Fluorene | 15.581 | 166 | 722289 | 20.735 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204 | 357715 | 20.846 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.587 | 138 | 103886 | 16.309 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.651 | 198 | 131523 | 20.112 | ng/ul# | 90 |
| 67) N-Nitrosodiphenylamine | 15.787 | 169 | 644590 | 20.874 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248 | 213765 | 20.025 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.592 | 284 | 253786 | 20.735 | ng/ul | 100 |
| 70) Atrazine | 16.734 | 200 | 239328 | 20.685 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.928 | 266 | 142628 | 18.702 | ng/ul | 96 |
| 72) Phenanthrene | 17.322 | 178 | 1223058 | 20.731 | ng/ul | 100 |
| 74) Anthracene | 17.410 | 178 | 1235429 | 20.999 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.346 | 216 | 312467 | 19.512 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.863 | 250 | 306431 | 21.148 | ng/uL | 96 |
| 77) Carbazole | 17.675 | 167 | 1124713 | 21.172 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.245 | 149 | 1256259 | 21.043 | ng/ul | 100 |
| 80) Fluoranthene | 19.333 | 202 | 1485149 | 21.052 | ng/ul | 100 |
| 82) Pyrene | 19.692 | 202 | 1538731 | 21.352 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.586 | 149 | 600237 | 21.878 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.369 | 252 | 462536 | 19.383 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.439 | 228 | 1560057 | 20.967 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.369 | 149 | 896309 | 21.710 | ng/ul | 99 |
| 87) Chrysene | 21.492 | 228 | 1503676 | 20.870 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.286 | 149 | 1604977 | 21.504 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.116 | 252 | 1724803 | 21.408 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.169 | 252 | 1557962 | 20.838 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.745 | 252 | 1653777 | 21.206 | ng/ul | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 26.333 | 276 | 1888338 | 21.859 | ng/ul | 94 |
| 95) Dibenzo(a,h)anthracene | 26.351 | 278 | 1578997 | 20.617 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 27.092 | 276 | 1586133 | 20.636 | ng/ul | 98 |

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

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