Quantitation Report (Qedit)

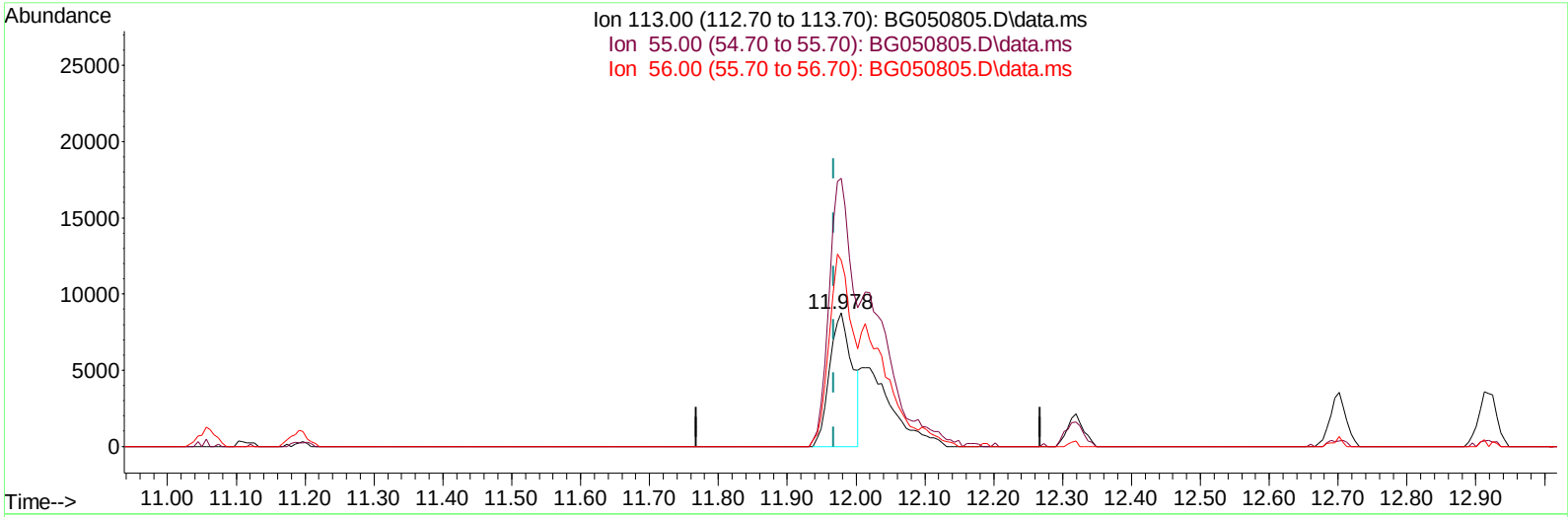
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110221\
Data File : BG050805.D
Acq On : 1 Nov 2021 20:49
Operator : CG/JU
Sample : SSTD04057
Misc :
ALS Vial : 5 Sample Multiplier: 1

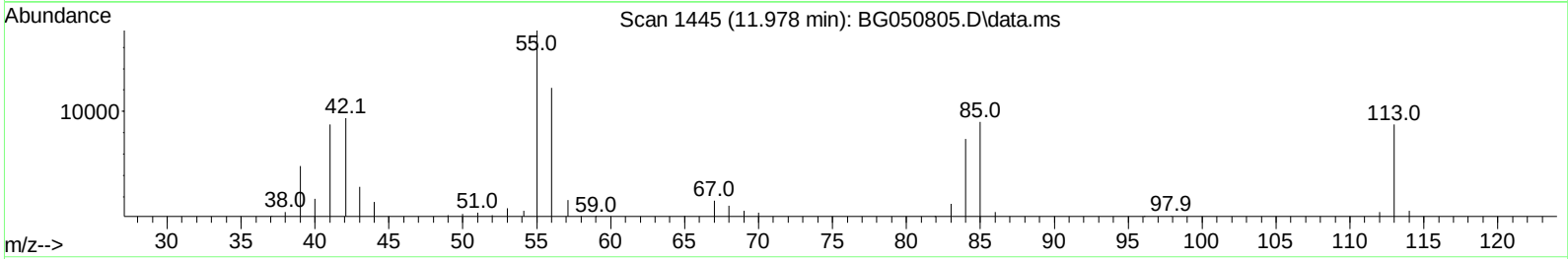
Quant Time: Nov 02 00:52:33 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110221.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 02 00:48:48 2021
Response via : Initial Calibration

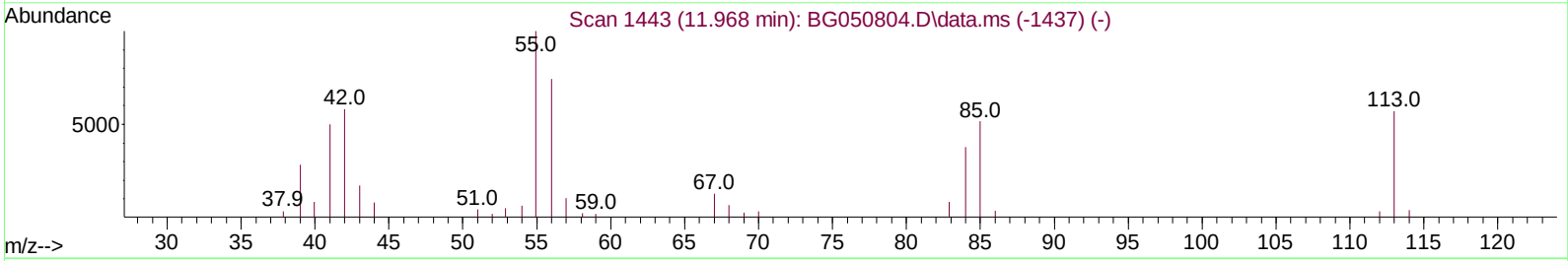
**Instrument :**
BNA_G
**ClientSampleId :**
SSTD040408

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/02/2021
Supervised By :mohammad ahmed 11/03/2021




TIC: BG050805.D\data.ms

**(34) Caprolactam**

**11.978min (+ 0.011) 24.07 ng/ul**

**response 19922**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 179.90 | 200.71 |
| 56.00 | 130.00 | 139.59 |
| 0.00 | 0.00 | 0.00 |

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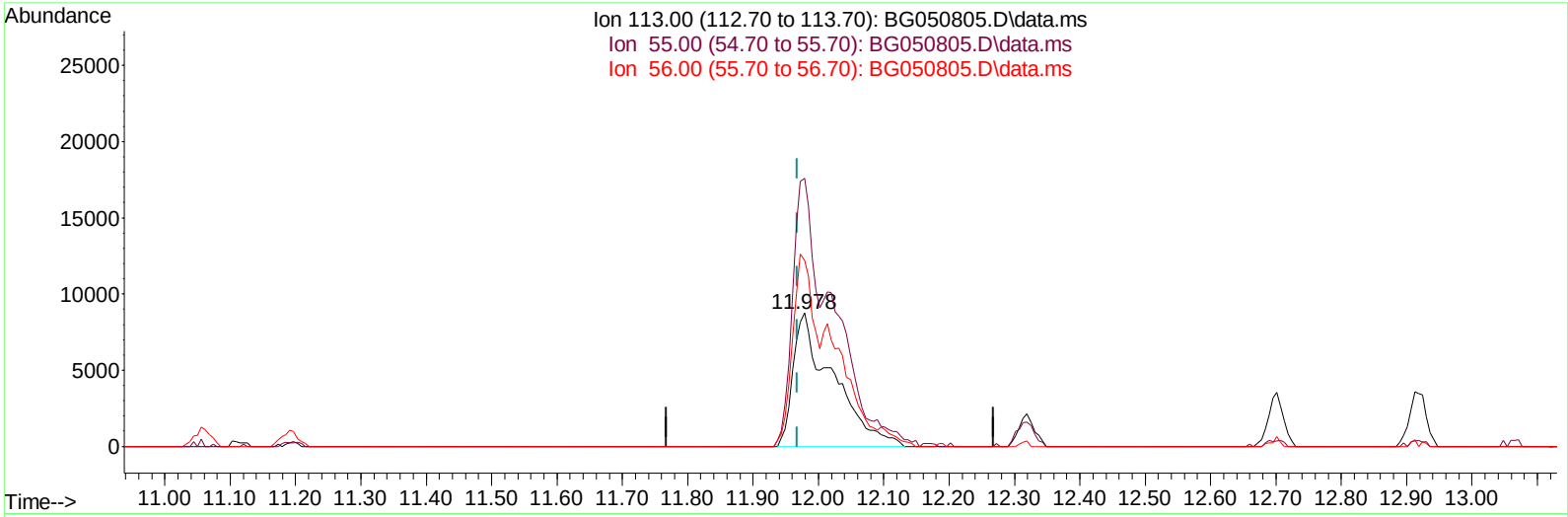


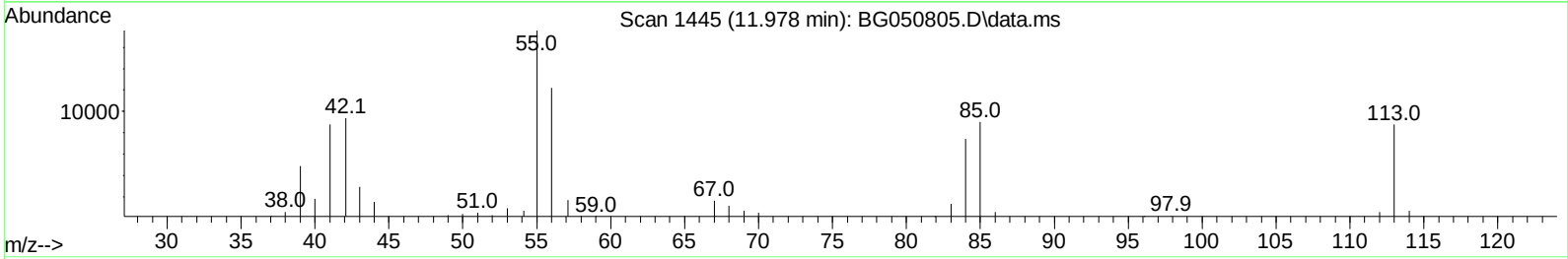


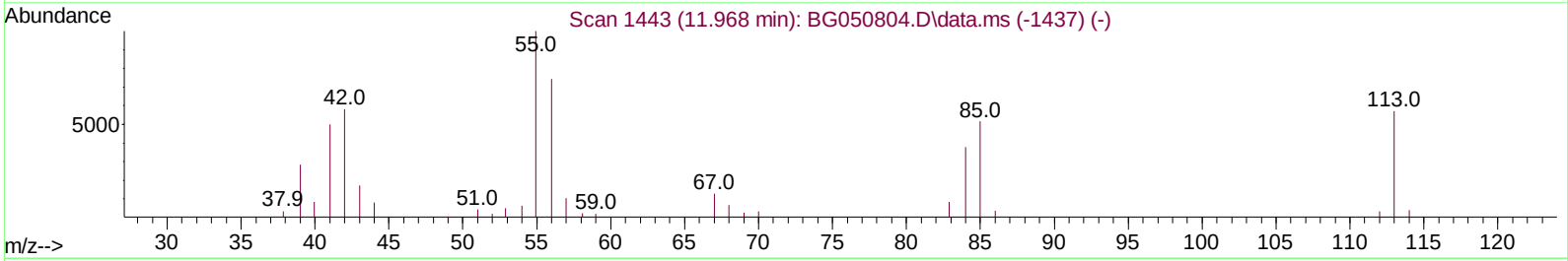


TIC: BG050805.D\data.ms

**(34) Caprolactam**

**11.978min (+ 0.011) 44.53 ng/ul m**

**response 36857**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 179.90 | 200.71 |
| 56.00 | 130.00 | 139.59 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 11/03/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.236 | 152 | 29397 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.062 | 136 | 136547 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.857 | 164 | 91428 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.601 | 188 | 211073 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.902 | 240 | 175520 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.298 | 264 | 174963 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.588 | 96 | 14129 | 18.937 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.017 | 84 | 105005 | 44.443 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.378 | 99 | 126194 | 46.195 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.548 | 67 | 81701 | 46.486 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.760 | 132 | 91080 | 47.466 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.935 | 113 | 98464 | 46.683 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.405 | 128 | 48758 | 46.782 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.134 | 143 | 54794 | 46.620 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.674 | 165 | 90119 | 43.661 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.191 | 131 | 131980 | 43.568 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.252 | 166 | 291607 | 45.162 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.558 | 160 | 359840 | 44.874 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.045 | 143 | 53448 | 45.738 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.845 | 176 | 254541 | 45.872 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.962 | 200 | 54210 | 43.888 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.701 | 188 | 402622 | 44.489 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.975 | 212 | 464789 | 46.468 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.069 | 264 | 378969 | 42.098 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.624 | 88 | 15873 | 17.150 | ng/uL | 98 |
| 5) Pyridine | 4.035 | 79 | 113312 | 46.122 | ng/ul | 98 |
| 6) Benzaldehyde | 7.366 | 77 | 96104 | 70.507 | ng/ul | 98 |
| 8) Phenol | 7.407 | 94 | 129745 | 45.529 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.642 | 93 | 98768 | 45.940 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.795 | 128 | 90590 | 46.970 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.671 | 108 | 96756 | 45.858 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.753 | 45 | 155015 | 45.670 | ng/ul | 98 |
| 16) Acetophenone | 9.058 | 105 | 152112 | 46.048 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 9.041 | 70 | 92932 | 46.514 | ng/ul | 96 |
| 18) 4-Methylphenol | 9.000 | 108 | 101821 | 45.757 | ng/ul | 92 |
| 19) Hexachloroethane | 9.323 | 117 | 37872 | 45.504 | ng/ul | 88 |
| 22) Nitrobenzene | 9.452 | 77 | 132340 | 43.690 | ng/ul | 98 |
| 23) Isophorone | 9.969 | 82 | 253551 | 44.032 | ng/ul | 100 |
| 25) 2-Nitrophenol | 10.163 | 139 | 54818 | 44.759 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 10.210 | 107 | 117999 | 44.071 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.445 | 93 | 135733 | 43.474 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.704 | 162 | 88981 | 44.620 | ng/ul | 99 |
| 30) Naphthalene | 11.115 | 128 | 302304 | 43.400 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.215 | 127 | 132243 | 43.467 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.379 | 225 | 59033 | 43.680 | ng/ul | 96 |
| 34) Caprolactam | 11.978 | 113 | 36857m | 44.528 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.319 | 107 | 113163 | 45.579 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.701 | 142 | 205387 | 44.087 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.919 | 142 | 208471 | 44.305 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 13.060 | 216 | 112411 | 44.258 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 13.030 | 237 | 55781 | 40.860 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 13.295 | 196 | 76273 | 45.622 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.371 | 196 | 78587 | 44.540 | ng/ul | 94 |
| 43) 1,1'-Biphenyl | 13.694 | 154 | 274468 | 43.328 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.741 | 162 | 215096 | 43.846 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.941 | 65 | 86640 | 44.282 | ng/ul | 99 |
| 47) Dimethylphthalate | 14.299 | 163 | 287509 | 44.342 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.429 | 165 | 61851 | 46.293 | ng/ul | 95 |
| 50) Acenaphthylene | 14.587 | 152 | 355265 | 43.335 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.763 | 138 | 67967 | 52.644 | ng/ul# | 93 |
| 52) Acenaphthene | 14.922 | 153 | 234150 | 43.719 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.969 | 184 | 34250 | 45.961 | ng/ul | 93 |
| 55) 4-Nitrophenol | 15.063 | 109 | 49418 | 43.977 | ng/ul | 99 |
| 56) Dibenzofuran | 15.257 | 168 | 334392 | 44.158 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.216 | 165 | 89419 | 46.645 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.474 | 232 | 64542 | 46.929 | ng/ul# | 93 |
| 59) Diethylphthalate | 15.651 | 149 | 310377 | 44.810 | ng/ul | 99 |
| 61) Fluorene | 15.903 | 166 | 263310 | 43.806 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.886 | 204 | 141226 | 44.549 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.921 | 138 | 68853 | 56.971 | ng/ul | 96 |
| 66) 4,6-Dinitro-2-methylph... | 15.980 | 198 | 51886 | 43.485 | ng/ul# | 93 |
| 67) N-Nitrosodiphenylamine | 16.097 | 169 | 240161 | 42.821 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.779 | 248 | 87703 | 44.102 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.902 | 284 | 88378 | 43.514 | ng/ul | 97 |
| 70) Atrazine | 17.037 | 200 | 104579 | 43.556 | ng/ul | 99 |
| 71) Pentachlorophenol | 17.249 | 266 | 42039 | 40.617 | ng/ul | 95 |
| 72) Phenanthrene | 17.642 | 178 | 453880 | 43.016 | ng/ul | 99 |
| 74) Anthracene | 17.736 | 178 | 451375 | 42.884 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.665 | 216 | 118520 | 41.996 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.175 | 250 | 109420 | 41.980 | ng/uL | 98 |
| 77) Carbazole | 18.007 | 167 | 428943 | 43.889 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.535 | 149 | 542764 | 43.972 | ng/ul | 100 |
| 80) Fluoranthene | 19.646 | 202 | 550405 | 43.175 | ng/ul | 99 |
| 82) Pyrene | 20.004 | 202 | 536453 | 43.034 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.868 | 149 | 228548 | 43.248 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.785 | 252 | 182981 | 47.000 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.879 | 228 | 484744 | 43.546 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.749 | 149 | 327382 | 43.532 | ng/ul | 100 |
| 87) Chrysene | 21.949 | 228 | 467531 | 44.111 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 23.024 | 149 | 555395 | 43.601 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.217 | 252 | 486670 | 43.579 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.288 | 252 | 454045 | 43.625 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 25.145 | 252 | 467178 | 43.645 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 29.223 | 276 | 519171 | 43.891 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 29.282 | 278 | 441337 | 43.381 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.457 | 276 | 435150 | 44.036 | ng/ul | 99 |

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

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