Quantitation Report (Qedit)

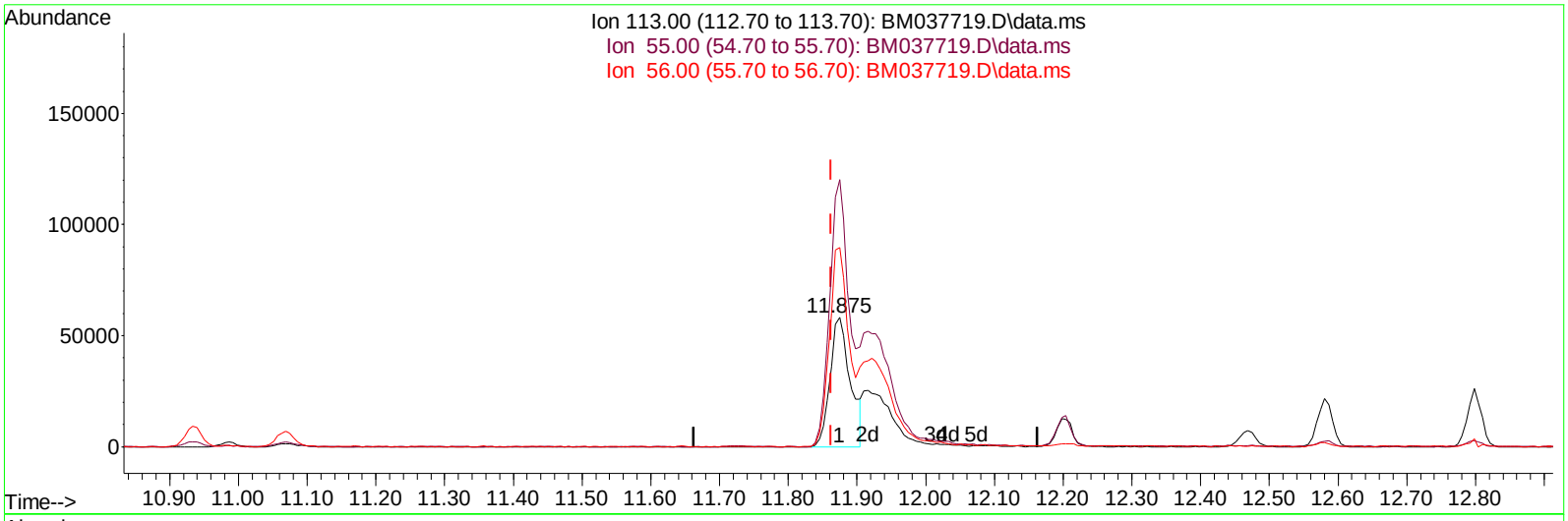
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112522\
Data File : BM037719.D
Acq On : 26 Nov 2022 06:19
Operator : CG/JU
Sample : PB149030BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

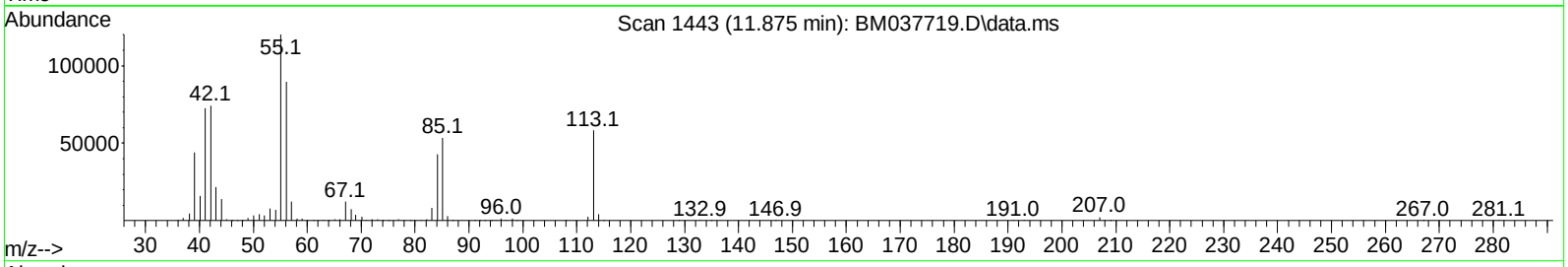
Quant Time: Nov 26 08:12:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM112322.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:27:15 2022
Response via : Initial Calibration

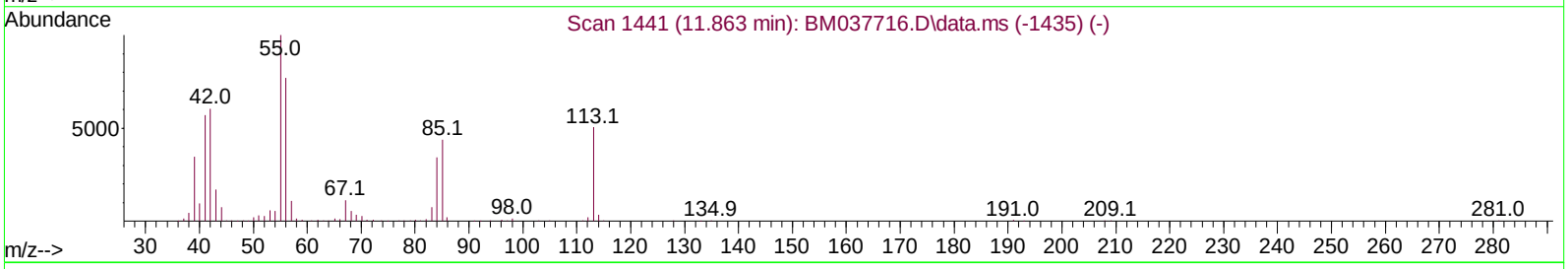
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS030

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/26/2022
Supervised By :mohammad ahmed 11/28/2022




TIC: BM037719.D\data.ms

**(34) Caprolactam**

**11.875min (+ 0.012) 20.89 ng/ul**

**response 119047**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 204.10 | 206.59 |
| 56.00 | 150.40 | 154.28 |
| 0.00 | 0.00 | 0.00 |

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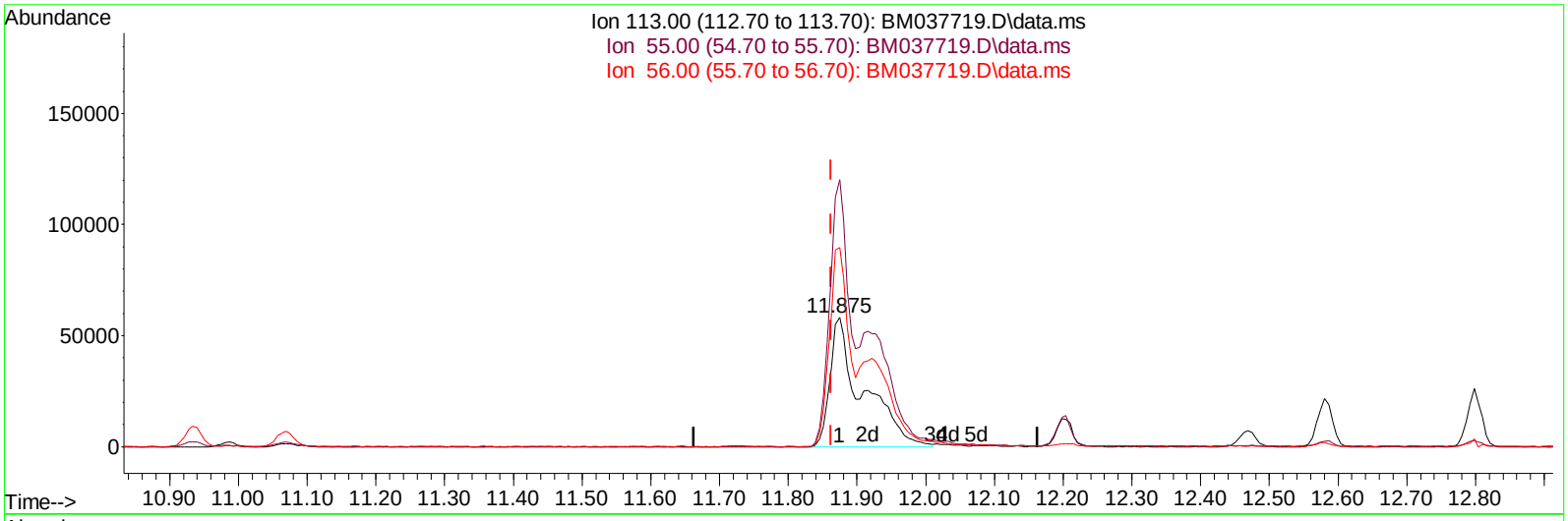


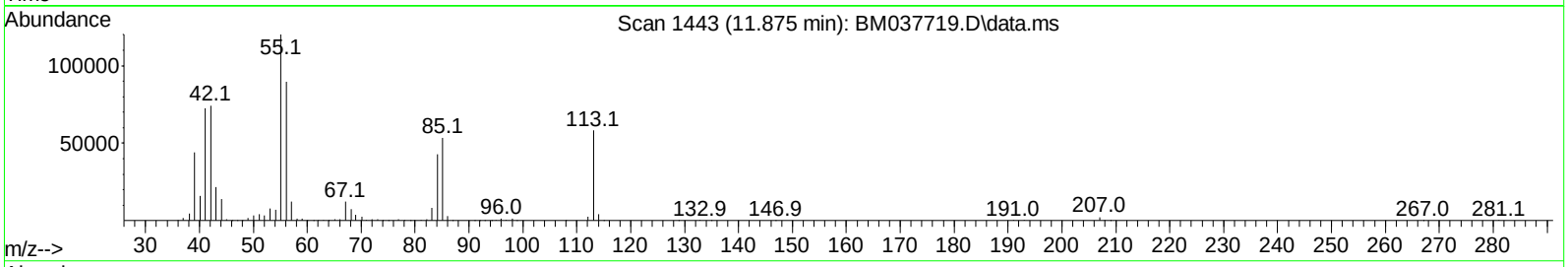


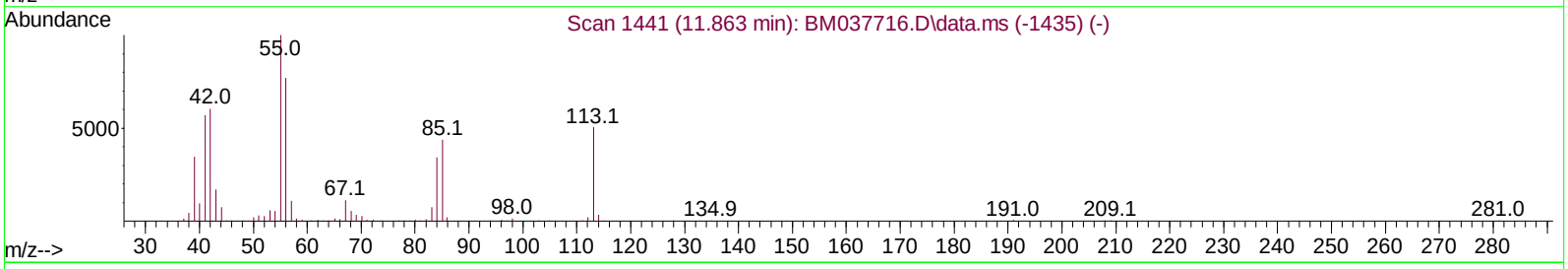


TIC: BM037719.D\data.ms

**(34) Caprolactam**

**11.875min (+ 0.012) 33.98 ng/ul m**

**response 193605**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 204.10 | 206.59 |
| 56.00 | 150.40 | 154.28 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.110 | 152 | 185121 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.933 | 136 | 946062 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.739 | 164 | 607798 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.474 | 188 | 1265783 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.639 | 240 | 1190171 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.127 | 264 | 1081729 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.434 | 96 | 31541 | 7.066 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.869 | 84 | 492716 | 33.911 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.257 | 99 | 687814 | 37.242 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.434 | 67 | 467515 | 37.948 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.640 | 132 | 494864 | 38.561 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.822 | 113 | 551665 | 37.537 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.281 | 128 | 269422 | 36.327 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.010 | 143 | 262391 | 35.904 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.551 | 165 | 477073 | 35.672 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.069 | 131 | 741737 | 33.423 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.145 | 166 | 1606343 | 37.312 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.433 | 160 | 1902263 | 37.435 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.921 | 143 | 357299 | 37.678 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.727 | 176 | 1419179 | 37.639 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.839 | 200 | 235809 | 34.631 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.574 | 188 | 2260339 | 38.186 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.851 | 212 | 2497808 | 41.299 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.968 | 264 | 2203408 | 39.573 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.469 | 88 | 64958 | 13.237 | ng/uL# | 90 |
| 5) Pyridine | 3.893 | 79 | 508927 | 34.446 | ng/ul | 98 |
| 6) Benzaldehyde | 7.240 | 77 | 412483 | 42.553 | ng/ul | 97 |
| 8) Phenol | 7.287 | 94 | 690499 | 35.668 | ng/ul | 94 |
| 10) Bis(2-Chloroethyl)ether | 7.528 | 93 | 549719 | 35.026 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.669 | 128 | 508976 | 36.306 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.551 | 108 | 519270 | 35.161 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.645 | 45 | 998848 | 35.235 | ng/ul | 100 |
| 16) Acetophenone | 8.945 | 105 | 844995 | 34.927 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.928 | 70 | 507273 | 35.774 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.887 | 108 | 578921 | 35.481 | ng/ul | 97 |
| 19) Hexachloroethane | 9.204 | 117 | 217858 | 35.930 | ng/ul | 90 |
| 22) Nitrobenzene | 9.328 | 77 | 732375 | 36.215 | ng/ul | 98 |
| 23) Isophorone | 9.857 | 82 | 1387468 | 34.042 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.039 | 139 | 284927 | 34.471 | ng/ul | 91 |
| 26) 2,4-Dimethylphenol | 10.092 | 107 | 641541 | 35.342 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.339 | 93 | 798229 | 34.140 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.575 | 162 | 461307 | 33.717 | ng/ul | 99 |
| 30) Naphthalene | 10.986 | 128 | 1765049 | 34.121 | ng/ul | 100 |
| 32) 4-Chloroaniline | 11.092 | 127 | 734343 | 31.753 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.269 | 225 | 230550 | 32.100 | ng/ul | 99 |
| 34) Caprolactam | 11.875 | 113 | 193605m | 33.977 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.204 | 107 | 637986 | 36.478 | ng/ul | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.580 | 142 | 1213174 | 33.761 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.798 | 142 | 1230751 | 34.045 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.945 | 216 | 467051 | 31.295 | ng/ul# | 93 |
| 40) Hexachlorocyclopentadiene | 12.922 | 237 | 280421 | 30.173 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.180 | 196 | 351974 | 32.752 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.251 | 196 | 386613 | 33.623 | ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.580 | 154 | 1594058 | 34.537 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.621 | 162 | 1219669 | 33.999 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.822 | 65 | 531781 | 39.099 | ng/ul | 100 |
| 47) Dimethylphthalate | 14.192 | 163 | 1602212 | 35.012 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.316 | 165 | 322563 | 36.503 | ng/ul | 91 |
| 50) Acenaphthylene | 14.463 | 152 | 2043181 | 35.571 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.639 | 138 | 394713 | 36.811 | ng/ul | 99 |
| 52) Acenaphthene | 14.804 | 153 | 1469206 | 35.765 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.839 | 184 | 160778 | 31.011 | ng/ul | 88 |
| 55) 4-Nitrophenol | 14.939 | 109 | 336643 | 39.614 | ng/ul | 89 |
| 56) Dibenzofuran | 15.133 | 168 | 1877815 | 35.023 | ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 15.092 | 165 | 494331 | 38.124 | ng/ul | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.357 | 232 | 328821 | 34.854 | ng/ul | 96 |
| 59) Diethylphthalate | 15.545 | 149 | 1834783 | 37.148 | ng/ul | 98 |
| 61) Fluorene | 15.780 | 166 | 1658026 | 35.699 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.768 | 204 | 702805 | 34.688 | ng/ul | 92 |
| 63) 4-Nitroaniline | 15.798 | 138 | 426004 | 41.802 | ng/ul | 88 |
| 66) 4,6-Dinitro-2-methylph... | 15.851 | 198 | 238440 | 32.994 | ng/ul | 90 |
| 67) N-Nitrosodiphenylamine | 15.980 | 169 | 1422525 | 36.169 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.662 | 248 | 380675 | 37.390 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.780 | 284 | 451721 | 34.546 | ng/ul | 96 |
| 70) Atrazine | 16.927 | 200 | 460168 | 34.471 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.121 | 266 | 284613 | 32.874 | ng/ul | 97 |
| 72) Phenanthrene | 17.515 | 178 | 2669165 | 35.998 | ng/ul | 99 |
| 74) Anthracene | 17.609 | 178 | 2720883 | 36.145 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.545 | 216 | 478981 | 31.632 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.051 | 250 | 479529 | 29.775 | ng/uL | 97 |
| 77) Carbazole | 17.874 | 167 | 2606236 | 36.416 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.427 | 149 | 3395759 | 32.778 | ng/ul | 99 |
| 80) Fluoranthene | 19.521 | 202 | 3015748 | 39.033 | ng/ul | 99 |
| 82) Pyrene | 19.880 | 202 | 3188593 | 39.074 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.762 | 149 | 1568867 | 41.270 | ng/ul | 100 |
| 84) 3,3'-Dichlorobenzidine | 21.550 | 252 | 873270 | 36.534 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.621 | 228 | 2930167 | 36.801 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149 | 2263268 | 39.406 | ng/ul | 99 |
| 87) Chrysene | 21.674 | 228 | 2723734 | 36.352 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.486 | 149 | 3858249 | 41.754 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.362 | 252 | 2795141 | 38.010 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 23.415 | 252 | 2629744 | 36.670 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.021 | 252 | 2354104 | 36.832 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 26.744 | 276 | 2573363 | 35.096 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.756 | 278 | 2258142 | 34.301 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.550 | 276 | 2213193 | 34.662 | ng/ul | 99 |

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

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