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| **BEFORE SYNTHESIS** | **MIMICKING** | **AFTER SYNTHESIS** |
| **Peak Name** | **RT (min)** | **Relative Area (%)** | **Peak Name** | **RT (min)** | **Relative Area (%)** | **Peak Name** | **RT (min)** | **Relative Area (%)** |
| 1,4-Bis(trimethylsilyl)benzene | 6.105 | 0.03 | 1,4-Bis(trimethylsilyl)benzene | 6.075 | 0.03 | 1,4-Bis(trimethylsilyl)benzene | 6.102 | 0.04 |
| Ethylbenzene | 6.692 | 0.00 | Methylamine, | 7.703 | 0.09 | Benzenamine, N,N-dimethyl-4-(phenylazo)- | 6.502 | 0.03 |
| Methylamine | 7.706 | 0.10 | 2-Methylpentan-2-ol | 8.156 | 0.02 | Ethylbenzene | 6.662 | 0.82 |
| 2-Methylpentan-2-ol | 8.187 | 0.02 | Nonane | 8.690 | 0.02 | Benzene, 1,3-dimethyl- | 7.036 | 0.85 |
| Nonane | 8.694 | 0.02 | Ethyl mandelate | 9.201 | 0.02 | 3-Chloro-4-methylphenol, trimethylsilyl ether | 7.276 | 1.21 |
| Ethyl mandelate | 9.201 | 0.02 | Diethylamine | 11.492 | 0.02 | 2-Methylpentan-2-ol  | 8.130 | 0.05 |
| Diethanolamine | 11.496 | 0.04 | Ethanamine | 11.706 | 0.09 | Nonane | 8.664 | 0.05 |
| Ethanamine | 11.709 | 0.08 | Ethylene glycol | 13.334 | 0.14 | Ethylene glycol | 13.334 | 0.31 |
| 4-Methylvaleric acid | 12.030 | 0.01 | Propylene glycol | 13.867 | 0.02 | Lactic Acid | 15.469 | 0.04 |
| Ethylene glycol, | 13.337 | 0.27 | Lactic Acid | 15.469 | 0.03 | Urea | 17.124 | 0.47 |
| Propylene glycol | 13.871 | 0.04 | Glycolic acid | 15.789 | 0.01 | Glycerol | 19.419 | 0.09 |
| Benzenemethanol, α-[(methylamino)methyl] | 14.218 | 0.01 | Urea | 17.123 | 0.12 | Palmitic Acid | 28.252 | 0.03 |
| 3-Pyridinol | 14.672 | 0.01 | Glycerol | 19.418 | 0.35 | Glyceryl-glycoside  | 30.894 | 1.36 |
| Lactic Acid | 15.472 | 0.01 | Butanedioic acid | 19.952 | 0.05 | Lactose | 34.337 | 0.14 |
| Glycerol | 19.422 | 0.07 | 6-Dimethyl(trimethylsily)silyloxytetradecane | 21.210 | 0.01 |  |  |  |
| Butanedioic acid | 19.929 | 0.03 | L-Glutamic acid, bis(trimethylsilyl) ester | 22.861 | 0.05 |  |  |  |
| 6-Dimethyl(trimethylsily)silyloxytetradecane | 21.210 | 0.01 | β-D-Xylopyranose | 28.065 | 0.04 |  |  |  |
| L-Glutamic acid bis(trimethylsilyl) ester | 22.864 | 0.07 | Myo-Inositol | 28.946 | 0.02 |  |  |  |
| Glycerol phosphate | 29.830 | 0.04 | 5,8,11-Eicosatrienoic acid, (Z)-, TMS derivative | 29.586 | 0.07 |  |  |  |
| Glyceryl-glycoside TMS ether | 30.417 | 0.05 | 9,12-Octadecadienoic acid (Z,Z)- | 29.746 | 0.18 |  |  |  |
| Glyceryl-glycoside TMS ether | 30.897 | 0.61 | Glyceryl-glycoside  | 30.413 | 0.09 |  |  |  |
| Lactose | 34.340 | 0.06 | Glyceryl-glycoside | 30.894 | 0.84 |  |  |  |
| B-D-Lactose | 37.382 | 0.05 | Lactose | 34.336 | 0.09 |  |  |  |