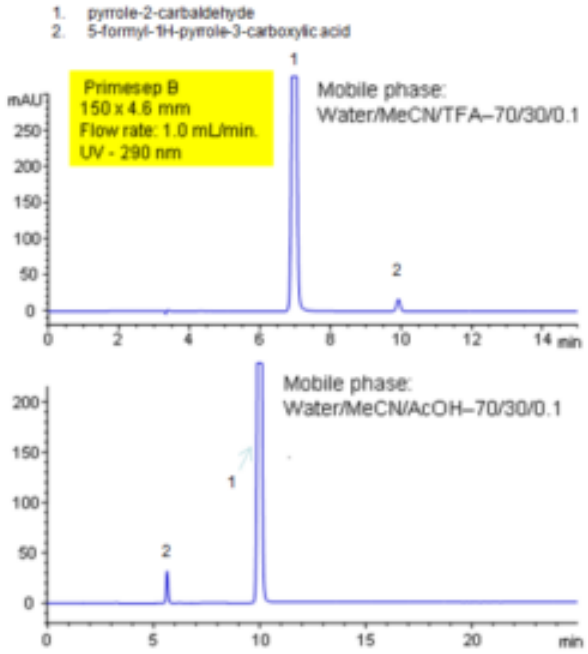
Separation of Pyrazines by Mixed-Mode HPLC



This application on Primesep B demonstrates the easy tuning of methods developed on Primesep columns. The pyrizines, 5-formyl-1H-pyrrole-3-carboxylic acid and pyrrole-2-carbaldehyde, are easily separated and peak order can be reversed by simply changing the mobile phase modifier from trifluoroacetic acid to acetic acid. This effect is due to both the change in mobile phase pH and the counter ion that interacts with the basic functional group on the column. Excellent peak shape results with a mass spec compatible mobile phase of water, acetonitrile (MeCN, ACN) and trifluoracetic acid (TFA) or acetic acid (HOAc).

Method Parameters

Detection	UV Detection

Quelle: https://sielc.com/Application-Separation-of-Pyrazines-By-Mixed-Mode-HPLC