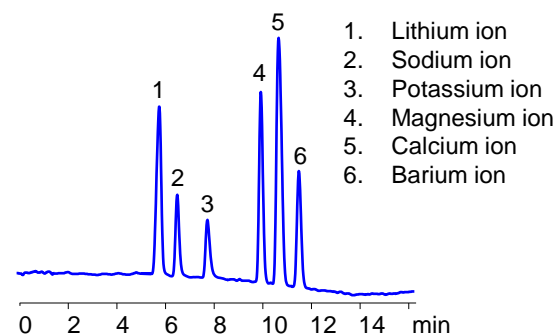
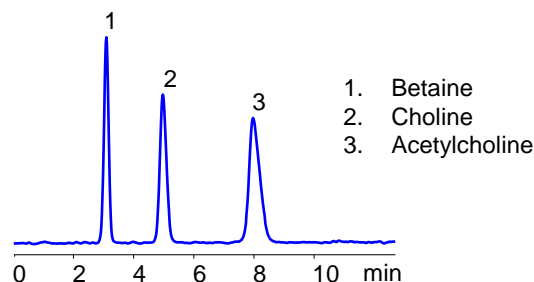
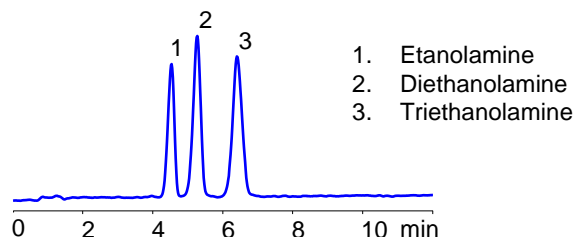
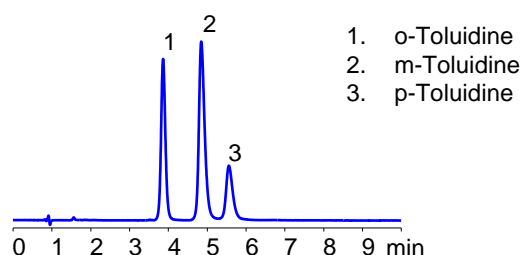
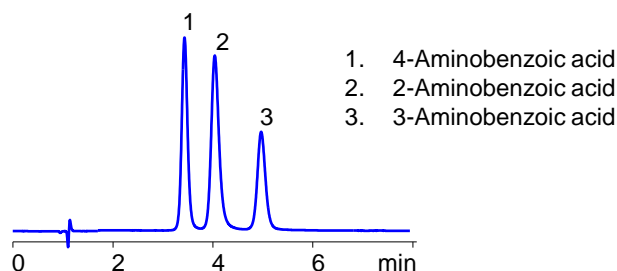


Mixed-Mode vs. RP Chromatography - Are You Still Beating A Dead Horse?



Column: Amaze SC
Dimensions: 3.0 x 100 mm, 5 µm, 100Å
Mobile phase: ACN/water/Ammonium formate
Flow rate: 0.6 ml/min
Detection: UV 250 nm/Corona CAD
Sample: approx 0.3 mg/ml each
Injection: 2 µL

Application Notes

The mixed-mode approach for the analysis of polar compounds is the most efficient and fast approach to method development. Why would you use decades-old reversed-phase technology in 21 century? MMC offers several mechanisms to control retention and separation between compounds of different nature. We are exploring small differences in polar/hydrophobic and ionic properties of analytes. The small difference in two different mechanisms provides a synergy effect in separation allowing to retain and separate compounds with very close properties. Amaze SC is one of our new flagman products which is designed for the separation of polar, hydrophobic, basic, acidic, zwitterionic, and neutral compounds in one run. You will save money and time if you use mixed-mode columns in your research. Once you learn how to operate these columns and explore various mechanisms you will never go back to the "old beaten horse" called reversed-phase chromatography. Below find MS-compatible applications for some polar analytes. Learn what we know from www.helixchrom.com