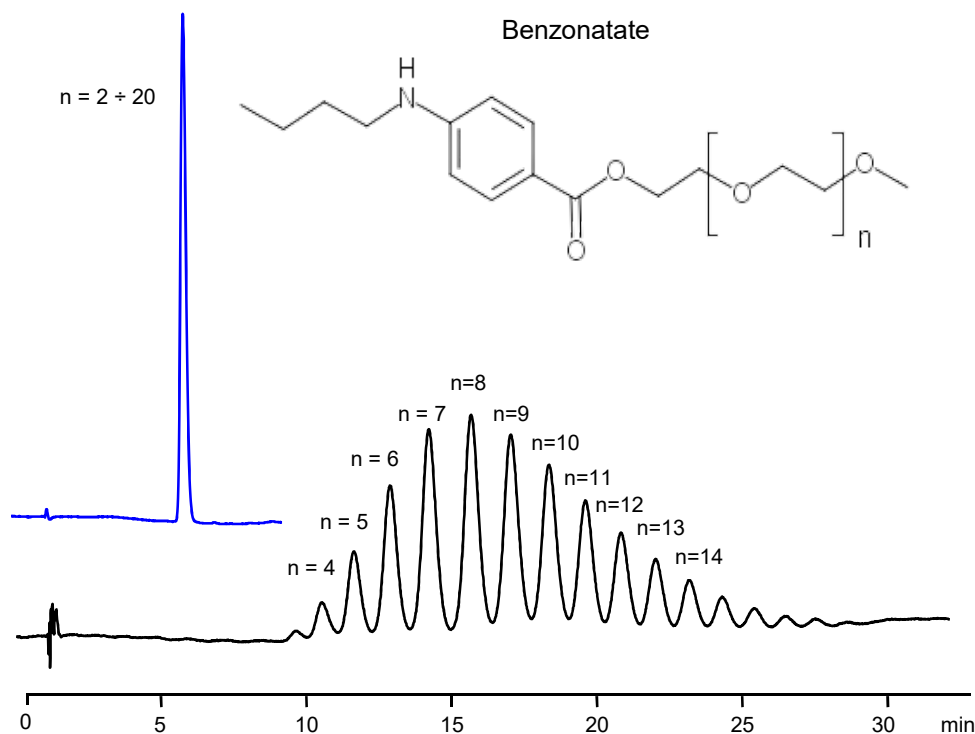


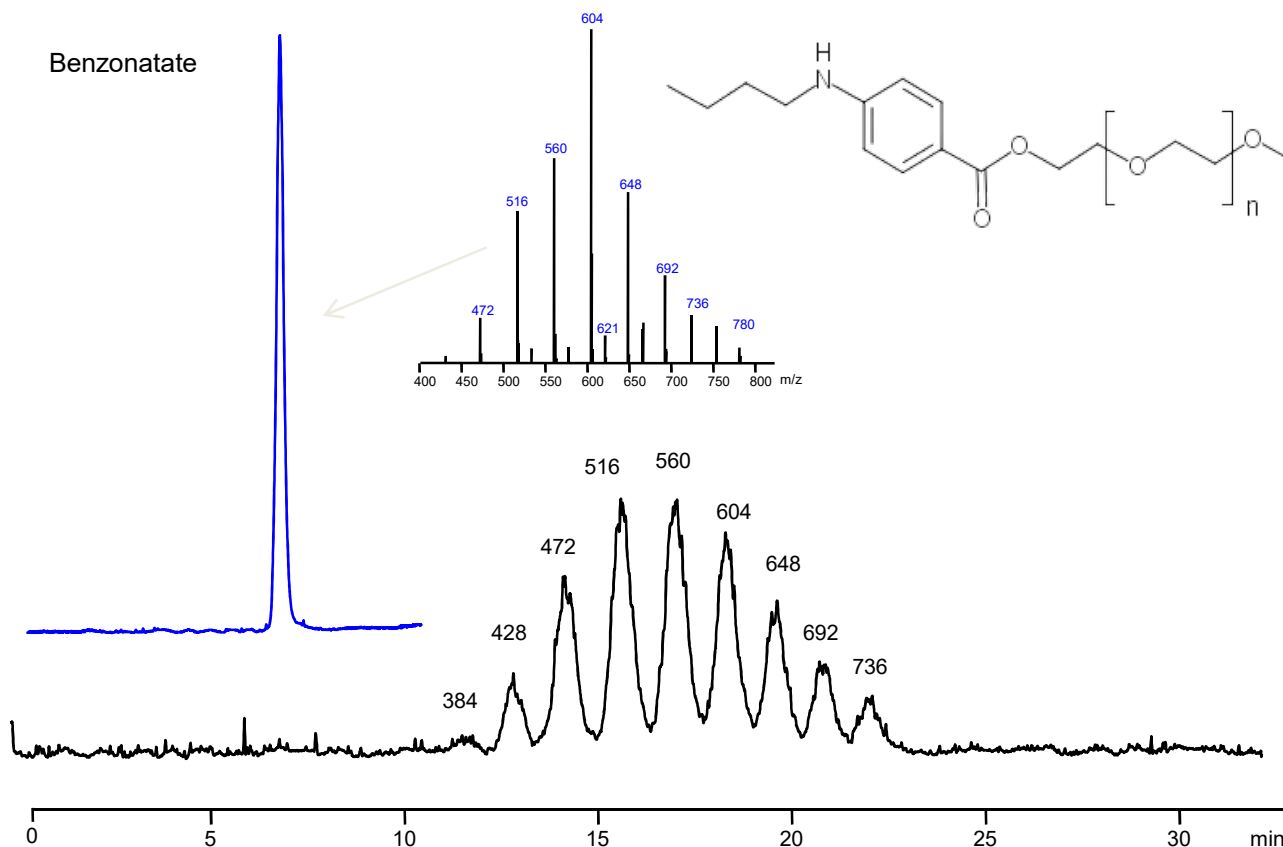
The Unique Property of Primesep P Column



Primesep P stationary phase has unique properties allowing to obtain drastically different result by simply changing MP organic modifier. Thus replacing MeOH with MeCN a mixture of oligomers of Benzonatate can be resolved to individual compounds or analyzed as a group producing single peak for entire oligomer set.



Column:	Primesep P
Column size:	3.2 × 100 mm, 5 μm
Column part number:	P-3.2.100.0510
Mobile phase:	Gradient MeCN – 30-70%, 10 min Gradient MeOH – 40-60%, 30 min
Buffer:	Ammonium formate pH 3.0 – 20 mM
Flow rate:	0.5 mL/min
Detection:	UV 310 nm



Column:	Primesep P
Column size:	3.2 × 100 mm, 5 μm
Column part number:	P-3.2.100.0510
Mobile phase:	Gradient MeCN – 30-70%, 10 min Gradient MeOH – 40-60%, 30 min
Buffer:	Ammonium formate pH 3.0 – 20 mM
Flow rate:	0.5 mL/min
Detection:	SIM + 384, 428, 472, 516, 560, 604, 648, 692, 736

Primesep P is a mixed-mode analytical column that embeds both aromatic and acidic ion-pairing groups on a short carbon chain.

This column offers several mechanisms of separation:

- It provides a cation-exchange mechanism when interacting with basic compounds
- It provides pi-pi interaction to analytes with aromatic ring
- It provides reverse phase interaction for hydrophobic compounds

The degree of each interaction can be controlled by MP composition. The mobile phases can be customized for different detectors including MS, UV and it can be scaled up for preparative chromatography.