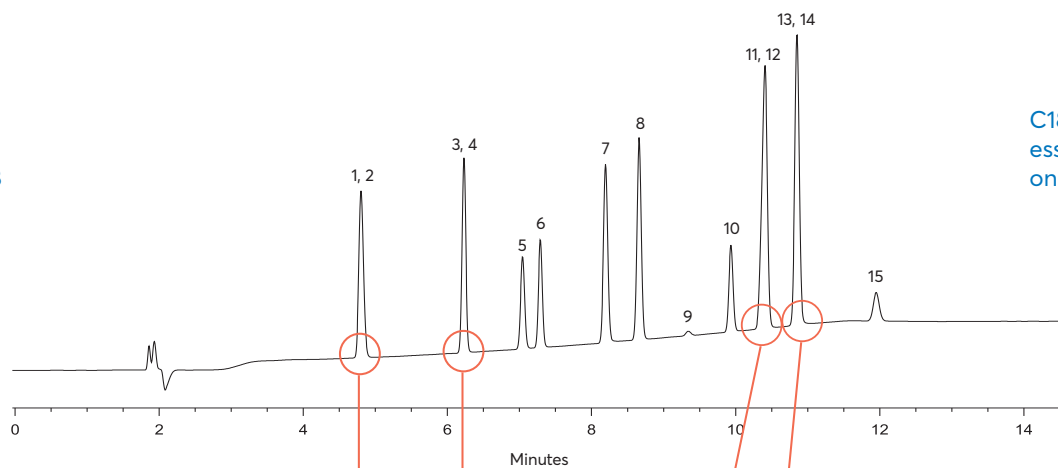


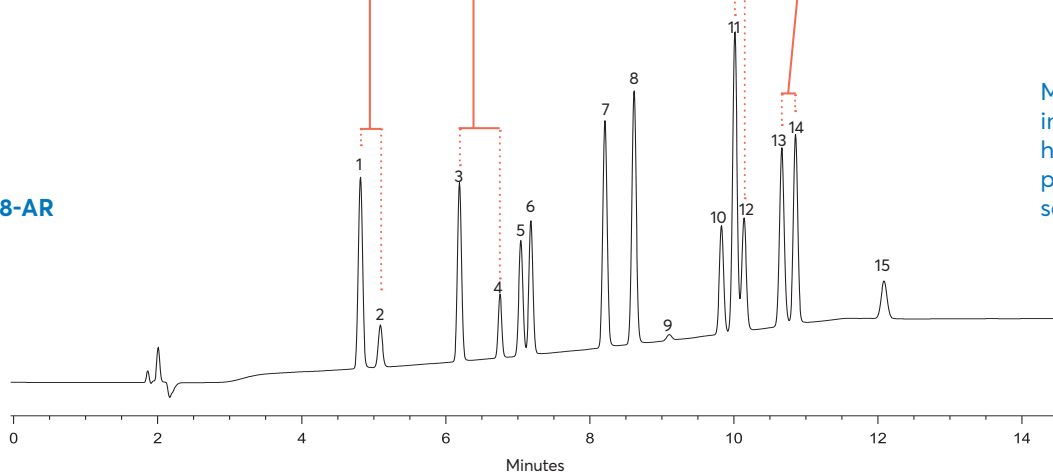
SEPARATION OF ANALGESICS

ACE 3 C18



C18 phase provides essentially hydrophobic-only interaction

ACE 3 C18-AR



Multi-mode interaction including $\pi - \pi$ and hydrophobic interactions provides complete separation

Sample: 1) 4-acetamidophenol 2) 4-aminobenzoic acid 3) 4-hydroxybenzoic acid 4) caffeine 5) 2-acetamidophenol 6) 3-hydroxybenzoic acid 7) salicylamide 8) acetanilide 9) phenol 10) acetylsalicylic acid 11) benzoic acid 12) sorbic acid 13) salicylic acid 14) phenylacetin 15) salicylaldehyde
Mobile Phase: A = 0.1% v/v formic acid in H₂O B = 0.1% v/v formic acid in MeCN - **Gradient:** 5 - 35% B in 9 minutes, hold at 35% B until 14 minutes
Column Dimensions: 150 x 4.6 mm - **Flow Rate:** 1.00 ml/min - **Temperature:** 40°C - **Detection:** 240nm