

pCEC analysis of 16 polycyclic aromatic hydrocarbons

Separation of 14 PAHs with pCEC, having over 250,000 plates/m.

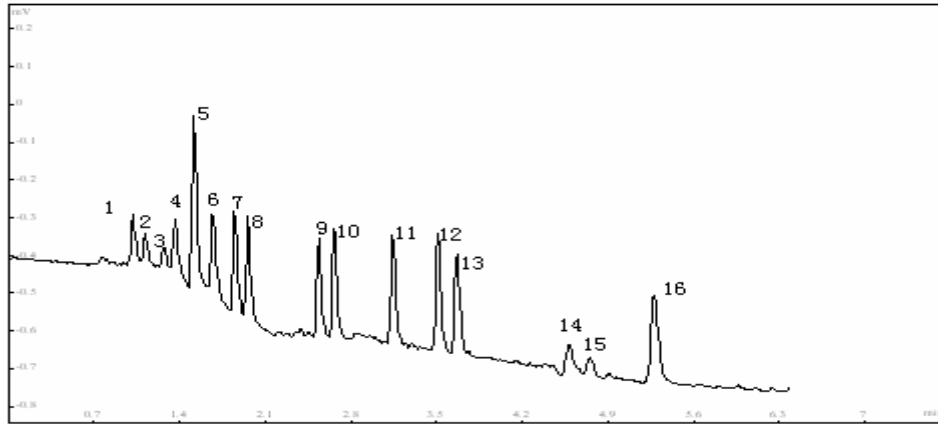


Fig. pCEC analysis of 16 polycyclic aromatic hydrocarbons

Conditions:

Column: EP-100-10-1.5-C18-NPS-1

Gradient: 50% ACN to 75% ACN over 2 minutes, 2 mM Tris

Pressure: 3000 psi;

HV: 30 kV

Flow rate: 0.3 ml/min;

UV: 254 nm

Sample: 16 polycyclic aromatic hydrocarbons

(1) naphthalene, (2) acenaphthylene, (3) acenaphthene, (4) fluorene, (5) phenanthrene, (6) anthracene, (7) fluoranthene, (8) pyrene, (9) benz[a]anthracene, (10) chrysene, (11) benzo[b]fluoranthene, (12) benzo[k]fluoranthene, (13) benzo[a]pyrene, (14) dibenz[a,h]anthracene, (15) benzo[ghi]perylene, and (16) indeno[1,2,3-cd]pyrene.