

Conditions

Column: ACE UltraCore 2.5 SuperPhenylHexyl
Dimensions: 100 x 2.1 mm
Part Number: CORE-25B-1002U
Mobile Phase: A: 10 mM ammonium acetate in MeOH/H₂O (98:2 v/v)
B: 10 mM ammonium acetate in IPA/H₂O (98:2 v/v)

Time (mins)	%B
0.0	0
1.0	0
15.0	100
25.0	100

Flow Rate: 0.15 mL/min

Injection: 5 µL

Temperature: Ambient

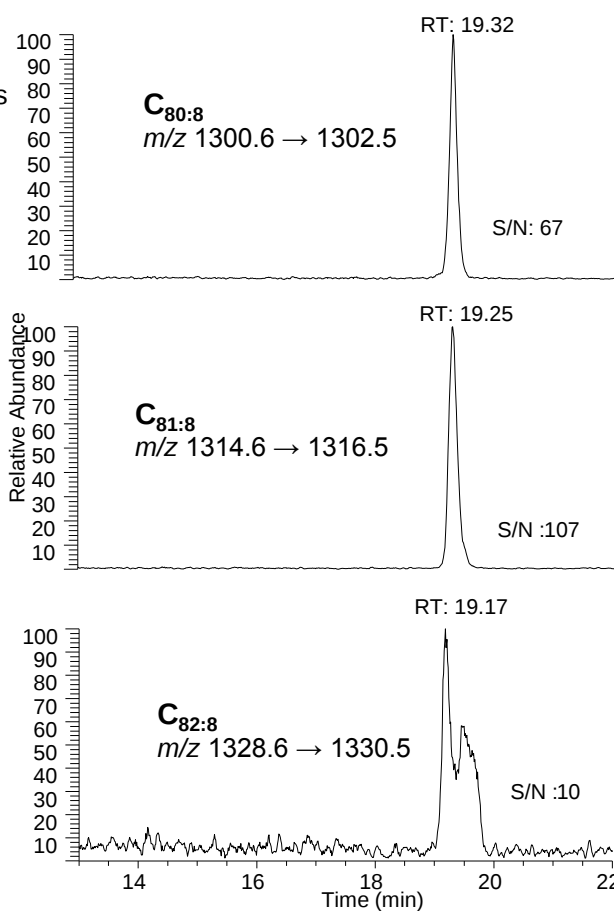
Detection: LCQ Ion trap MS

LC-ESI-MS extracted ion chromatograms

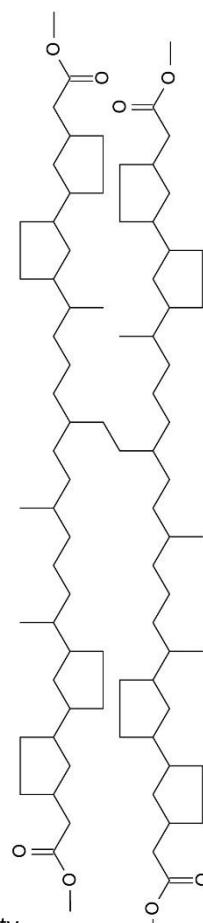
Compounds detected as ammoniated quasimolecular ions [M+NH₄]⁺

Detection limit ~ 0.1 ppm

C₈₀-C₈₂ polycyclic
tetracarboxylic acids
isolated from oilfield
deposits



Tetramethyl ester of C_{80:8} ring acid



Reproduced with permission of Petroleum & Environmental Geochemistry Group, Plymouth University, UK

© 2015 ACT Ltd. All rights reserved. All products are available worldwide.