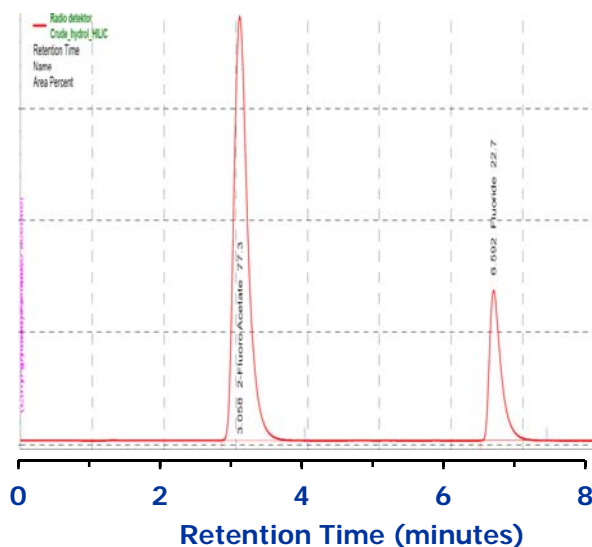


Separation of Fluoroacetate and Fluoride

ZIC®-HILIC

Chromatographic Conditions

Column:	SeQuant® ZIC®-HILIC, 250 x 4.6 mm, 5 µm, 200 Å	1.50458.0001
Injection:	50 µL	
Detection:	Bioscan 3000 Radiodetector	
Flow Rate:	2.0 mL/min	
Mobile Phase (v/v):	A: Buffer; 50 mM Ammonium Hydrogen Carbonate (NH ₄ HCO ₃) in water B: 100% Acetonitrile	
Gradient:	0-3 minutes with 90% B and 10 % A, followed by rapid increase of A from 10 to 80% in 0.5 min. From 3.5-9 min, 20% B and 80 % A. Return to initial conditions in 0.5 minutes followed by a re-equilibration between 9.5-15 min.	
Temperature:	Ambient	
Diluent	Mobile phase	



Chromatographic Data

No.	Compound	Time	Retention Factor (k')
1	void volume	1.3	-
2	Fluoroacetate	3.1	1.4
3	Fluoride	6.6	4.3