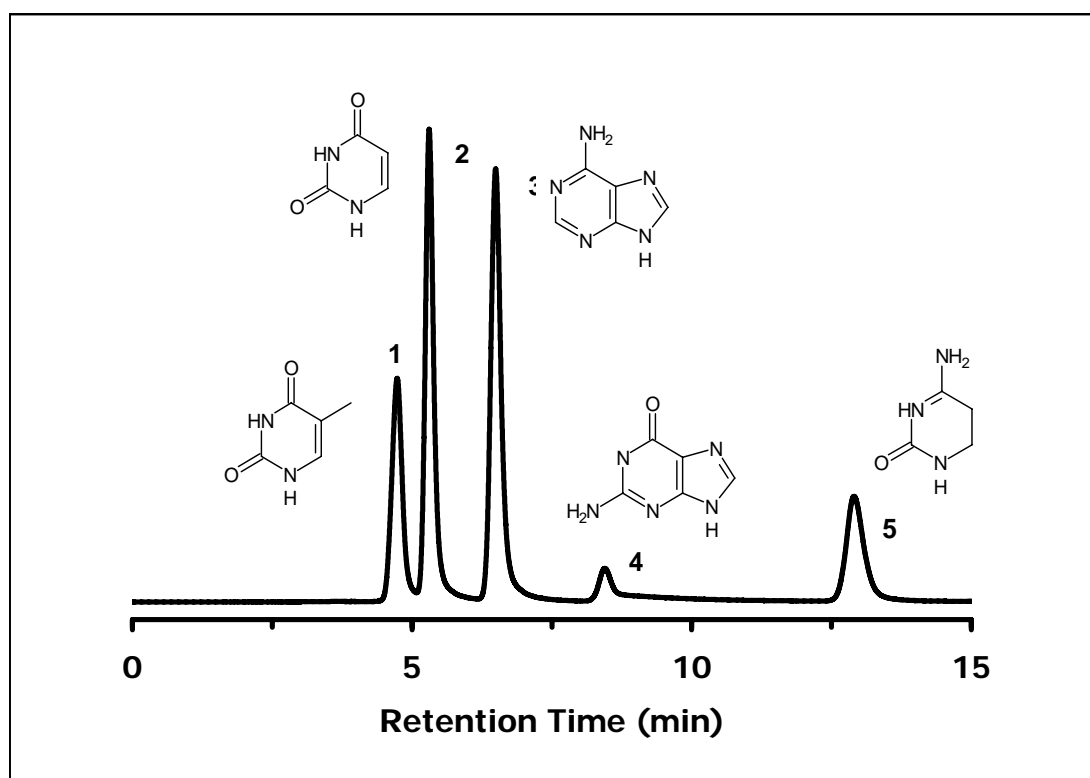


ZIC[®]-HILIC Separation of Purines and Pyrimidines

Chromatographic Conditions

Column: ZIC[®]-HILIC, PEEK 150 x 2.1 mm, 5 μm, 200 Å (P/N 2712-152)
 Injection: 2.0 μL
 Detection: UV @ 254 nm (UFS 1.0 V)
 Pressure Drop: 1.4 MPa
 Flow Rate: 0.1 mL/min
 Mobile Phase (v/v): 80%, Acetonitrile
 20%, Ammonium Formate 2.5 mM + Formic Acid 25 mM



Chromatographic Data

No.	Compound	Time (min)	Retention factor	Resolution
	void volume (t_0)	3.2	-	-
1	Thymine	4.7	0.48	-
2	Uracil	5.3	0.66	1.88
3	Adenine	6.5	1.03	3.98
4	Guanine	8.4	1.64	5.35
5	Cytosine	12.9	3.03	9.14