

QUIZ - Monday, July 8

Identify the analytes based on their retention times in HPLC using a column packed with a C₁₈ stationary phase with different mobile phase compositions.

mobile phase			retention time (min)			
component A	component B	A:B	analyte 1	analyte 2	analyte 3	analyte 4
10 mM phosphate buffer, pH 2.5	acetonitrile	60:40	6.50	5.42	1.89	1.97
10 mM acetate buffer, pH 4.5	acetonitrile	60:40	6.48	3.46	3.21	1.99
10 mM phosphate buffer, pH 7.0	acetonitrile	60:40	6.53	2.03	4.84	2.16

Compound	Analyte No.
Aniline	
Benzene	
Benzoic acid	
Benzylamine	

Send your answer through the form <https://forms.gle/86qoiKkqRfyaEF9x5>

Add also a brief explanation of your answer.