

Improvement in signal to noise in LCMS with an ANP method - Tips & Suggestions

“Signal-to-Noise” ratio can often be improved by using Aqueous Normal Phase ANP methods in LCMS instead of Reversed Phase RP methods. This results in improved limits of detection for a method making it more “sensitive”.

The simple reason is that Mass Spec is a gas state method and it is easier to fully and quickly evaporate organic solvents used in ANP than water which is the dominant solvent in Reversed Phase. Hence better signal to noise or in the vernacular, better sensitivity.



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MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

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