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## For sugars analyzed by LCMS, sodium acetate is added to obtain greater sensitivity of Na adducts. Could you do this using ammonia instead, observing the NH<sub>4</sub> adducts?

In LCMS, you will get much better sensitivity of Na-sugar adducts in the EICs compared to sugars themselves. The same principle will work for NH<sub>4</sub> adducts as well, but there are notable drawbacks. The problems with NH<sub>4</sub> is that it will change the pH of the mobile phase and its concentration is hard to control in the sample.

Hence, given both strategies will work, there is no reason to choose NH<sub>4</sub> over Na.

