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## amphetamine type stimulants in water



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M. Hedström, P. Dubruel, and S. De Saeger Faculty of Pharmaceutical Sciences, Laboratory of Food anaysis, Ghent University, Belgium \* esther.derycke@ugent.be Introduction Amphetamine-type stimulants (ATS) are the second most widely used drugs right after cannabis. Therefore, a robust and sensitive system, capable of detecting ATS, their metabolites, and their precursors in environmental water, is highly demanded. In this research, a selective detection system for Nformylamphetamine (N-FA) was developed. Over the last years, (label-free) capacitive sensors have established their own niche for analysis of low- and high molecular weight compounds due to their high sensitivity, high selectivity, fast response time, and their possibility to miniaturize.



## References:

1. Lenain et al., Biosensor and Bioelectronics, 2015, Volume 69, pages 34-39 Graniczkowaka et al. Biosensors and Bioelectronics, 2017, Volume 92, pages 741-747