



CESI-MS applications for natural products discovery

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This work addresses the application of CESI-MS/MS to a diverse variety of agricultural, ecological, environmental applications. We update progress on the CESI-MS/MS analysis of a suite of polar pesticides and nutrients of particular interest. We also update regarding the use of CESI-MS/MS to identify alkyl and aryl amines of all types that are used in agriculture, personal care products, and disinfection technologies. Most interesting, was the quantification of N-nitrosodimethyl amine (NDMA) in urine resulting from the use of Zantac (ranitidine). Finally, we report novel advances in natural products and ecological chemistry based on CESI-MS/MS.