

Identification of AB-FUBINACA markers in urine by GCh-MS method

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Abstract

The markers are described which allow to establish the fact of AB-FUBINACA cannabimimetic being used in the procedure of screening urine on narcotic and medicinal substances applying the methods of solid-phase extraction and a gas chromatography with mass spectrometry. Identification of the main metabolites of AB-FUBINACA in urine of consumers of smoking mixes was performed. It is established that the metabolism of AB-FUBINACA passes, generally through hydrolysis of amide bonds, the main metabolites are removed with urine in the conjugated form. Gas chromatographic and mass-spectrometric characteristics of derivative of main metabolites which can be useful in practice of the forensic-chemical and chemical-toxicological analysis are obtained.