

**Statement of the Problem:** Drug screening is an important reference in forensic autopsy investigations. In postmortem toxicology, often the samples provided for analysis are in a severe state of putrefaction or decomposition. The presence of breakdown products such as lipids and amino acids make extraction of the compounds of interest difficult. Also, developing an analytical method capable of detecting trace levels of analytes from the interfering substances present in these com

B, Ikematsu N, Hara K, et al. (2016) GC-PCI-MS/MS and LC-ESI-MS/MS databases for the detection of 104 psychotropic compounds. *Legal Medicine*; 20: 117-124.  
Reference: Buttrick D (2010) The influence

Lipid-removal and solid-phase extraction cartridges were employed while carefully monitoring the pH of samples to ensure the adequate removal of interfering substances. The extracts were evaporated and reconstituted in n-propyl acetate:methanol (1:1) for fast GC-MS/MS analysis. Findings: The developed method was successful in clearly identifying drugs from putrefied specimens. The use of tandem mass spectrometry

Conclusion & Significance: Putrefied specimens are