

Title (en)

METHODS FOR DETECTING METABOLIC STATES BY LASER ABLATION ELECTROSPRAY IONIZATION MASS SPECTROMETRY

Title (de)

VERFAHREN ZUR ERKENNUNG VON METABOLISCHEN ZUSTÄNDEN MITTELS LAESI-MASSENSPEKTROMETRIE

Title (fr)

PROCÉDÉ DE DÉTECTION D'ÉTATS MÉTABOLIQUES PAR SPECTROMÉTRIE DE MASSE PAR IONISATION AVEC ÉLECTRO-VAPORISATION POUR ABLATION LASER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011139274A1] According to certain embodiments, a method of mass spectrometry may generally comprise subjecting a sample comprising at least one indicator to laser ablation electrospray ionization mass spectrometry; determining a relative intensity of the indicator; and comparing the relative intensity of the indicator to a standard indicator intensity. Subjecting a sample to laser ablation electrospray ionization mass spectrometry may comprise ablating the sample with an infrared laser under ambient conditions to form an ablation plume; intercepting the ablation plume by an electrospray plume; and detecting the indicator by mass spectrometry. The method of mass spectrometry may comprise classifying the sample as belonging to or not belonging to the standard indicator intensity. A sample not belonging to the standard indicator intensity may indicate that the sample is predicted to comprise a disease state.

IPC 8 full level

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