

Title (en)
AUTOMATED ANALYSIS OF COMPLEX MATRICES USING MASS SPECTROMETER

Title (de)
AUTOMATISIERTE ANALYSE KOMPLEXER MATRIZEN UNTER VERWENDUNG EINES MASSENSPEKTROMETERS

Title (fr)
ANALYSE AUTOMATIQUE DE MATRICES COMPLEXES AU MOYEN D'UN SPECTROMETRE DE MASSE

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Application
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Abstract (en)
[origin: WO2007065266A1] Improved systems, apparatus, methods, and programming useful for the automated analysis of complex compounds using mass spectrometers. Systems, apparatus, methods, and programming according to the invention provide for the automatic determination by a controller (54) of a mass spectrometer (14, 214) of an analysis operation to be implemented using the mass spectrometer, the analysis operation adapted specifically for analysis of one or more substances based contained within a compound based on identification of the compound and/or substances provided by a user of the spectrometer, and a database (66) or other library of information concerning suitable processes or process steps for analyzing substances.

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Citation (examination)
• "Introduction to Mass Spectrometry, Chapter 2 The Mass Spectrometer ED - Watson J Throck; Sparkman Orrin David", 1 January 2007, INTRODUCTION TO MASS SPECTROMETRY : INSTRUMENTATION, APPLICATIONS, AND STRATEGIES FOR DATA INTERPRETATION, WILEY, CHICHESTER [U.A], PAGE(S) 53 - 172, ISBN: 978-0-470-51634-8, XP002740945
• ANONYMOUS: "Information Dependent Acquisition - The Next Generation of Data Dependent Experiments of LC/MS/MS Analysis", 1 May 2001 (2001-05-01), XP055314075, Retrieved from the Internet <URL:http://www3.appliedbiosystems.com/cms/groups/psm_marketing/documents/generaldocuments/cms_039778.pdf> [retrieved on 20161026]
• ANONYMOUS: "Analyst 1.6 Software", 1 August 2001 (2001-08-01), Concord, Ontario, Canada, XP055314080, Retrieved from the Internet <URL:http://www.absciex.com/Documents/Downloads/Literature/AN_TUT_D1000076697_EN.pdf> [retrieved on 20161026]

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