1.
Record Nr.	UNINA9911020178103321
Autore	McMaster Marvin C
Titolo	LC/MS : a practical user's guide / / Marvin C. McMaster
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2005
ISBN	9786610277346
	9781280277344
	1280277343
	9780471736585
	0471736589
	9780471736578
	0471736570
Descrizione fisica	1 online resource (179 p.)
Disciplina	543/.84
Soggetti	Liquid chromatography
	High performance liquid chromatography
	Mass spectrometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 155-156) and index.
Nota di contenuto	LC/MS; CONTENTS; Preface; 1 Introduction to LC/MS; 1.1 Why LC/MS?; 1.2 Molecular Weights and Structure Studies; 1.3 LC/MS Systems; 1.4 System Costs; 1.5 Competitive Systems; 2 The HPLC System; 2.1 HPLC System Components; 2.2 Gradient versus Isocratic Systems; 2.3 Micro HPLC Systems; 2.4 HPLC Tubing and Fittings; 3 The HPLC Column and Separation Modes; 3.1 Column Construction; 3.2 Column Packing Materials; 3.3 Normal-Phase Columns; 3.4 Other Bonded-Phase Silica Columns; 3.5 Optimizing Reverse-Phase Column Use; 3.6 Silica Ion-Exchange Columns; 3.7 Silica Size-Separation Columns 3.8 Zirconium Bonded-Phase Columns3.9 Polymer Reverse-Phase Columns; 4 HPLC and Column Maintenance; 4.1 HPLC Maintenance; 4.2 Column Maintenance; 5 Sample Preparation and Separations Development; 5.1 Mobile-Phase Preparation; 5.2 Mobile-Phase pH Control Using Buffers; 5.3 Sample Preparation; 5.4 Cartridge Column Cleanup; 5.5 On-Column Sample Concentration; 5.6 Isocratic and

Sommario/riassunto	A practical guide to using and maintaining an LC/MS systemThe combination of liquid chromatography (LC) and mass spectrometry (MS) has become the laboratory tool of choice for a broad range of industries that require the separation, analysis, and purification of mixtures of organic compounds.LC/MS: A Practical User's Guide provides LC/MS users with an easy-to-use, hands-on reference that focuses on the practical applications of LC/MS and introduces the equipment and techniques needed to use LC/MS successfully. Following a thorough explanation of the basic components and