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Collana	Analytical techniques in the sciences
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	THE ANALYSIS OF CONTROLLED SUBSTANCES; Contents; Series Preface; Preface; Acronyms, Abbreviations and Symbols; About the Author; 1 Introduction to Drug Trends, Control, Legislation and Analysis; 1.1 Introductory Remarks; 1.2 International Legislation; 1.3 Controlled Substances in the United Kingdom; 1.3.1 Background to the Misuse of Drugs Act, 1971; 1.3.2 The Provisions of the Misuse of Drugs Act, 1971; 1.4 Controlled Substances in the United States; 1.5 Controlled Substances in Australia; 1.6 The Drug Chemist and Drug Analysis; 1.7 Quality Assurance in the Drugs Laboratory 1.8 Presentation of Evidence in CourtReferences; 2 Amphetamine and Related Compounds; 2.1 Introduction; 2.2 Qualitative Identification of Amphetamines; 2.2.1 Sampling and Physical Description of Amphetamines; 2.2.2 Presumptive Testing of Amphetamines; 2.2.3 Thin Layer Chromatography of Amphetamines; 2.2.4 Definitive Identification of Amphetamines; 2.3 Quantification of Amphetamines; 2.4 Comparison and Profiling of Amphetamine Samples; 2.4.1 The

Leuckart Synthesis of Amphetamine; 2.4.2 The Reductive Amination of Benzyl Methyl Ketone; 2.4.3 The Nitrostyrene Synthesis
2.4.4 Impurity Extraction and Sample ComparisonReferences; 3 The Analysis of LSD; 3.1 Introduction; 3.2 Qualitative Identification of LSD; 3.2.1 Sampling and Physical Description of LSD Blotter Acid; 3.2.2 Extraction of LSD Prior to Analysis; 3.2.3 Presumptive Testing for LSD; 3.2.4 Thin Layer Chromatography of Samples Containing LSD; 3.2.5 Confirmatory Tests for the Presence of LSD; References; 4 Cannabis sativa and Products; 4.1 Introduction; 4.2 Origins, Sources and Manufacture of Cannabis; 4.3 Analytical Sequence, Bulk and Trace Sampling Procedures
4.4 Qualitative Identification of Cannabis4.4.1 Identification of Herbal Material; 4.4.2 Identification of Other Materials; 4.4.3 Comparison of Cannabis Samples; References; 5 Diamorphine and Heroin; 5.1 Introduction; 5.2 Origins, Sources and Manufacture of Diamorphine; 5.3 Appearance of Heroin and Associated Paraphernalia; 5.4 Bulk and Trace Sampling Procedures; 5.5 Identification, Quantification and Comparison of Heroin Samples; 5.5.1 Presumptive Tests for Heroin; 5.5.2 Thin Layer Chromatography of Heroin Samples; 5.5.3 Gas Chromatographic-Mass Spectroscopic Identification of Heroin
5.5.4 Quantification of Heroin Samples5.5.5 Comparison of Heroin Samples; References; 6 Cocaine; 6.1 Introduction; 6.2 Origins, Sources and Manufacture of Cocaine; 6.2.1 Extraction and Preparation of Coca Paste; 6.2.2 Synthesis of Pure Cocaine; 6.3 Qualitative Identification of Cocaine; 6.3.1 Presumptive Tests for Cocaine; 6.3.2 Thin Layer Chromatography; 6.3.3 Definitive Identification of Cocaine; 6.4 Quantification of Cocaine; 6.4.1 Quantification of Cocaine by GC-MS; 6.4.2 Quantification of Cocaine by UV Spectroscopy; 6.5 Comparison of Cocaine Samples; References
7 Products from *Catha edulis* and *Lophophora williamsii*

Sommario/riassunto

Presenting new developments in sampling and drug profiling, this book also provides practical information on how to carry out analysis, what the results mean and how they can be used as court evidence and for drugs intelligence purposes.* Includes case-studies with full data and spectra, helping readers to identify substances* Accessibly organized by class of compound* Contains an up-to-date list of the newest drugs
