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Nota di contenuto	FORENSIC CHEMISTRY HANDBOOK; CONTENTS; Preface; Contributors; 1. Forensic Environmental Chemistry; 1.1 Introduction; 1.2 Chemical Fingerprinting; 1.2.1 Hydrocarbon Mixtures; 1.2.2 Polycyclic Aromatic Hydrocarbons; 1.2.3 Biomarkers; 1.2.4 Additives; 1.2.5 Isotopes; 1.2.6 Tracers; 1.2.7 Methods of Detection; 1.2.8 Weathering; 1.3 Spatial Association of Environmental Incidents; References; 2. Principles and Issues in Forensic Analysis of Explosives; 2.1 Introduction; 2.2 Sample Collection; 2.3 Packaging; 2.4 Sorting; 2.5 Documentation; 2.6 Environmental Control and Monitoring; 2.7 Storage 2.8 Analysis2.9 Records; 2.10 Quality Assurance; 2.11 Safety and Other Issues; Conclusion; References; 3. Analysis of Fire Debris; 3.1 Introduction; 3.2 Evolution of Separation Techniques; 3.3 Evolution of Analytical Techniques; 3.4 Evolution of Standard Methods; 3.5 Isolating the Residue; 3.5.1 Initial Sample Evaluation; 3.5.2 ILR Isolation Method

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Sommario/riassunto

A concise, robust introduction to the various topics covered by the discipline of forensic chemistry The Forensic Chemistry Handbook focuses on topics in each of the major chemistry-related areas of forensic science. With chapter authors that span the forensic chemistry field, this book exposes readers to the state of the art on subjects such as serology (including blood, semen, and saliva), DNA/molecular biology, explosives and ballistics, toxicology, pharmacology, instrumental analysis, arson investigation, and various other types of chemical residue analysis. In addition, th
