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Nota di contenuto	Chapter 1 - A holistic view of analytical chemistry -- Chapter 2 - What we can obtain from analytical chemistry for technological and industrial purposes? -- Chapter 3 - Terminology of analytical chemistry -- Chapter 4 - Analytics for biologically active molecules (agrochemicals and pharmaceuticals) -- Chapter 5 - Analytics for ores and mining -- Chapter 6 - Analytics for natural and synthetic polymers -- Chapter 7 - Analytics for biotechnology -- Chapter 8 - Analytics for oil & gas -- Chapter 9 - Analytics for environmental issues of industry -- Chapter 10 - Book remarks and conclusions.
Sommario/riassunto	This book deals with analytical techniques and methods applied in several sectors of technology and industry and serves as a concise and up-to-date reference for the practical application of analytical chemistry. Divided into 10 chapters, the book starts with an introduction to the fundamentals of analytical chemistry, followed by a review of modern analytical technologies and their application in different industrial sectors and activities such as agrochemicals and

pharmaceuticals, ores and mining, polymers, biotechnology, and oil & gas. Particular attention is given to industrial environmental issues, where the author discusses the advanced analytical techniques used to provide quantitative information about pollutants in aqueous and gaseous effluents and their carbon footprint. The book finishes with a chapter summarizing the main remarks and conclusions on advanced analytical techniques used in different industrial sectors, as well as on topics of sustainability, and instrumental analysis. In this book, readers will find valuable insights, including real-life examples, of how classical and instrumental techniques can be used by industry, to help professionals in the quality control of raw materials, products and processes, in the assessment of the formulation contamination, environmental pollution and in the evaluation of sustainability, among others. Given its breadth, the book appeals to professionals (mainly chemists, biochemists, and engineers), researchers, professors, and graduate students. .
