**DESCRIPTION**

Providing information on the main approaches for the analysis of metabolites, this textbook:

- Covers basic methodologies in sample preparation and separation techniques, as well as the most recent techniques of mass spectrometry.

- Differentiates between primary and secondary metabolites.

- Includes four chapters discussing successful metabolome studies of different organisms.

- Highlights the analytical challenges of studying metabolites.

- Illustrates applications of metabolome analysis through the use of case studies.

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