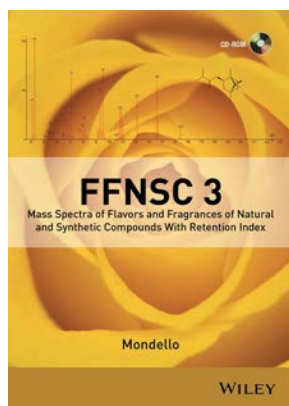


Mass Spectra of Flavors and Fragrances of Natural and Synthetic Compounds, 3rd Edition

Luigi Mondello



Advanced identification of natural and synthetic products using retention data

Flavors and Fragrances of Natural and Synthetic Compounds, 3rd Edition contains over 3,000 mass spectra, LRI retention data, calculated Kovats RI, and searchable chemical structures of compounds of interest for the flavors and fragrances industry. This innovative mass spectral library for natural and synthetic products makes the identification of unknown compounds in complex mixtures easier, faster, and more reliable.

Chromatographic information, such as Linear Retention Index (LRI) data, can be used to filter MS results, enabling more reliable peak assignment of components in complex mixtures. Mass spectra, relative to standard and well-known simple matrix components, were obtained and recorded through GC-MS separation/identification by Prof. Luigi Mondello. Additional component information such as CAS number, common name, CAS name, molecular weight, and chemical class are also included.

Specifications

- Spectra: 3,462
- Chemical Structures: 3,462
- Unique Compounds: 3,312
- RI1 = measured on SLB-5MS (Hydro): 3,462
- RI2 = measured on SLB-5MS (FAMES): 2,516
- RI3 = measured on Supelcowax-10 (FAMES): 1,466 (same records as RI4)
- RI4 = measured on Supelcowax-10 (FAEEs): 1,466 (same records as RI3)
- RI5 = measured on Equity-1 (Hydro): 646

Compatibility

Agilent ChemStation, MassHunter, OpenLab
Bruker MS Workstation
Chromatec Analytic
JEOL msFineAnalysis
LECO ChromaTOF
NIST MS Search
PerkinElmer TurboMass

Scion MS Workstation
Thermo Chromeleon, TraceFinder, Xcalibur
Waters MassLynx
ACD/Labs ACD/Spectrus Processor*
Bio-Rad KnowItAll®*
Wiley Spectra Lab*

*Subscription required

A version in the Shimadzu GCMSsolution format is available directly from Shimadzu.

Ordering Information

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DVD-ROM ISBN: 978-1-119-06984-3

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