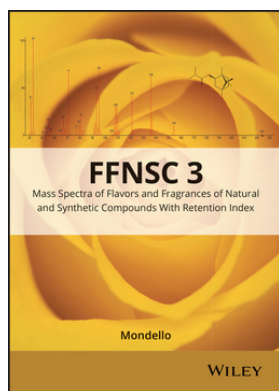


Mass Spectra of Flavors and Fragrances of Natural and Synthetic Compounds, 3rd Edition

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

For instrument compatibility, visit sciencesolutions.wiley.com/compatibility.

Ordering Information

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