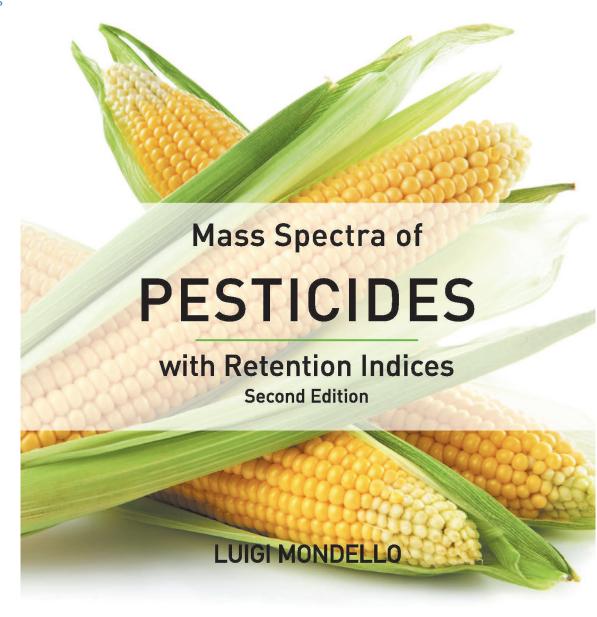
Mass Spectra of Pesticides with Retention Indices USER MANUAL VERSION 1.00

USER MANUAL VERSION 1.0



WILEY

Mass Spectra of Pesticides with Retention Indices USERMANUAL VERSION 1.00

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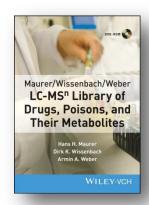
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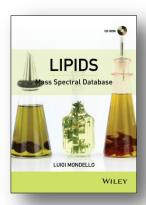
Pesticides and agrochemicals are widely used in the production of large-scale agriculture. Their determination is essential for consumer's health protection. Mass spectrometry is the most important technology for pesticide analysis and the Pesticides Library provides significant support for peak assignment in complex mixtures. *The Mass Spectra of Pesticides with Retention Indices, 2nd Edition,* contains 1,300 pesticide molecules classified in 20 different classes. This edition features 342 new pesticides compounds, 1,300 LRI values on a SLB-5ms column, and 147 LRI values on an EQUITY-1 column. Mass spectra, relative to standard and well-known simple matrix components, were obtained and recorded through GC-qMS separation/identification. Furthermore, information relative to each component (CAS number, common name, systematic name, nominal mass (as Mol Wt), compound formula, chemical class) plus Linear Retention Index (LRI) values are included.

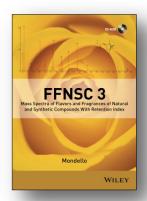
COMPOUND SEARCH

Address: http://www.compoundsearch.com

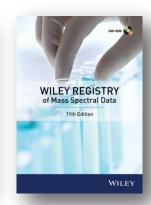
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Substance	Maximum Limit (ppm)	
Lead (Pb)	1000	
Cadmium (Cd)	100	
Mercury (Hg)	1000	
Hexavalent Chromium (Cr6+)	1000	
Poly Brominated Biphenyls (PBB)	1000	
Poly Brominated Diphenyl ethers (PBDE)	1000	

GETTING STARTED

HARDWARE AND SOFTWARE RECOMMENDATIONS

- Operating System: Microsoft Windows (Windows 7, Windows 8, Windows 10).
- * CPU: AMD or Intel processor, preferably multiple core
- * Memory: At least 2GB
- * Disk Space: At least 2GB free disc space
- Software: 32-bit or 64-bit software

The library is provided in multiple formats, but is <u>not</u> supplied with manufacturer software. Mass spectrometry software should be installed prior to installing the mass spectrometry library, in any format.

If you have questions about the format of the database or need to order a replacement disc, please contact Wiley customer care at http://support.wiley.com.

REGISTRATION CODE

A registration code is present on the Certificate of Authenticity that accompanies the packaging provided with the CD. This database may be installed on only one machine

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COMPATIBILITY

Wiley has provided you with a broad selection of native manufacturer formats to aid you in your installation. Please consult your software manufacturer's documentation and customer support before contacting Wiley customer support. This CD contains the following manufacturer formats:

- Agilent Chemstation
- Agilent MassHunter
- NIST MS Search
- Thermo Xcalibur
- ACD Labs
- PerkinElmerTurboMass
- Waters MassLynx

DIRECTORY ASSISTANCE

The table below lists the formats, installation files, and their default target directories. If two directories are listed, the first directory is for the spectral data files, the second directory is for the structure files. If one directory is listed, all spectra and structure files are installed into that directory. All installations allow a manual override of the default directory path.

Format	Installation file	Default Directory
Chemstation	SetupLM_PESTICIDES2_Chemstation.exe	C:\Database\{libraryname}\{filename}
MassHunter	SetupLM_PESTICIDES2_MassHunter.exe	C:\MassHunter\Libraries\{libraryname}\{filename}
MassLynx	SetupLM_PESTICIDES2_MassLynx.exe	C:\MassLynx\Idendb\{libraryname}\{filename} C:\MassLynx\Idendb\STRUCTDB\{libraryname}\{filename}
ACD Labs	SetupLM_PESTICIDES2_SpecManager.exe	C:\Program Files\ACD2016\{libraryname}\{filename}
MS Search	SetupLM_PESTICIDES2_MSSearch.exe	C:\NIST14\MSSEARCH\{libraryname}\{filename}
TurboMass	SetupLM_PESTICIDES2_TurboMass.exe	C:\TurboMass\Idendb\{libraryname}\{filename} C:\TurboMass\Idendb\STRUCTDB\{libraryname}\{filename}
Thermo Xcalibur	SetupLM_PESTICIDES2_Xcalibur.exe	C:\ProgramFiles\NISTMS\MSSearc h\{libraryname}\{filename}

QUICK-START

- **1. Registration Code**: After reading the EULA contained in the CD packaging, note the **Registration Code** found on the Certificate of Authenticity provided and begin installation.
- **2. Computer ID**: The installation program will combine the Registration Code with unique information from your computer to generate a unique **Computer ID**. If the computer is attached to the Internet, the installer can automatically register your computer and provide a **Registration Code**. If the computer is not attached to the Internet, follow procedure 2a or 2b, below, to manually register your installation.
- **2a. COMPUTER ID no direct Internet**: Note the COMPUTER ID and Registration Code and go to https://www.wileyptmediareg.com/Activation and follow the on-screen instructions. Note the resulting Registration Code and use it to complete on-screen installation prompts on the computer.
- **2b. COMPUTER ID no Internet**: contact Wiley customer support at http://support.wiley.com or contact them by telephone at (877) 762-2974.
- **3. INSTALLATION:** Please note installation requires the Registration Code that accompanied your disc packaging. Install the formats you wish to use on a single computer, following the on-screen prompts to "run" the installer. NB: You must "run" the installers from the CD-ROM or in a directory containing the Registration process.dll

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STEP-BY-STEP INSTALLATION

* This installation process mirrors installation on a NIST MSSearch program

Step 1. A **Registration Code** will accompany the packaging provided with your disc. If your provided code does not work or your disc is not accompanied by a Registration Code, alert Wiley customer service at http://support.wiley.com

You will be unable to install this library without a Registration Code.

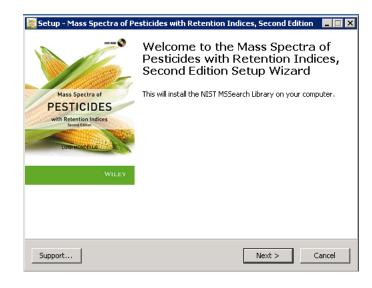
Carefully read the End User License Agreement contained on the disc or the accompanying packaging before using and/or installing this product.

Step 2. Enter the disc for installation. One file, "installation.htm" is included on the disc to simplify installation by using your Web browser. Choose the format(s) you wish to install. Choosing to run the installer will bring you to a set-up wizard splash screen. Choose "next".

Your license entitles you to install the library on **one** (1) machine. Please note that the installation files are unsigned – so a warning may be displayed in Windows, press run and proceed to the installation. Repeat this process for all of the formats you wish to install on the one computer.

N.B.: Install your chromatography data software prior to installing the format(s) you wish to install.



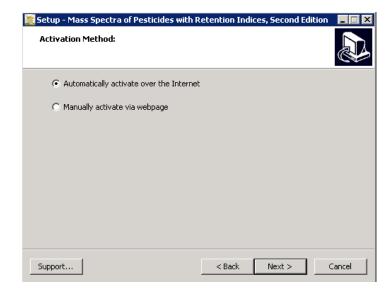


Step 3. Registration Code and Machine ID

Your Registration Code appears on the Certificate of Authenticity accompanying your packaging.

Enter the Registration Code exactly as it appears to begin the installation and press "Next". If the code is incorrect, an error screen will appear.

If the Registration Code is correct, you will be brought to the Activation screen. If your machine has Internet connectivity, choose to "automatically activate over the Internet" then click next.





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Step 4. If you choose to manually activate, The Registration Code and the Machine ID will be automatically filled in. You may either double click the Web address to copy it to your computer's clipboard and paste it in a Web browser, or enter the URL as listed in your Web browser.

Alternatively you may save the Registration Code, Machine ID and URL to a text file that will be saved to the root directory.

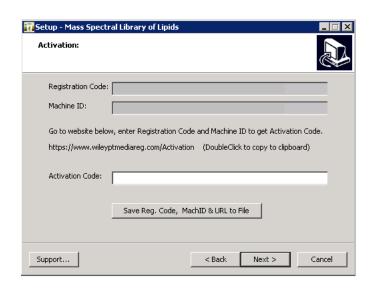
In the Web browser, enter the Registration Code and the Machine ID. The next screen will provide the Activation Code. Copy this Code down and <u>save it</u>, entering into Activation screen on the computer that you are installing the spectral library on.

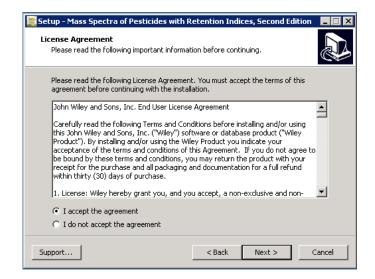
Step 5. Once your activation is successful, proceed by pressing "Next".

The next screen contains the End User License Agreement (17).

Read the agreement carefully and select the radio button labeled "I accept the agreement." T, choose "Next" to proceed to install the library. Spectral libraries should only be used by qualified individuals who meet the requirements outlined in the Agreement.



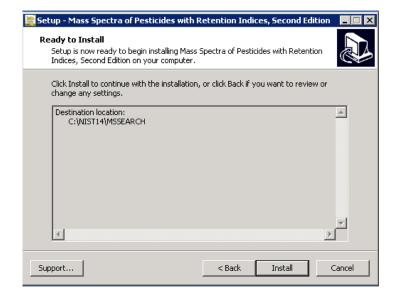


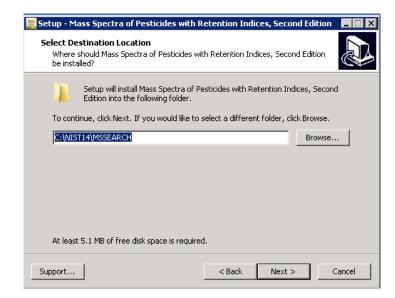


Step 6. At this point, the installer will unpack and install the library in the format you have selected.

Confirm the target directory and destination location and choose "Next."

Step 7. Ready to install? After selection of the destination folder, click the install button to begin installation. Allow installation to finish before closing out any applications.

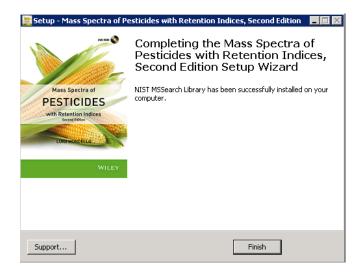




Step 8. Once installation is complete, press finish. Be sure to consult your mass spectrometry software's instructions for connecting to new libraries – some are automatic, but some require manual connection within the software.

Repairing or Uninstalling

Repairing or uninstalling the library should be managed using the "Add/Remove Programs" utility in Windows. If the library is manually moved, removed, or installed using overwrite mode, the Windows utility may not work.



GETTING HELP

Getting Help – you can choose 1) to go to:

http://support.wiley.com

SEARCH TIPS

For some fields there is no field in the NIST MSSearch library format. For specifying additional fields to hold this data, the 'Tags in Comment' field option has been used. For displaying the data as separate data fields, select the Comment field options dialog, as seen here, available from the main menu bar's View item.

Available 'special' fields for the LM PESTICIDES library are:

- Classification
- Contributor
- WileyID
- RI 1 and 2
- SampleInfo

Classification
Contributor
RI1
RI2

For example, if RI=132.1 is embedded in Comments, it can be displayed as a separate line in the text by entering the line:
RI
in the above field. Multiple lines will display multiple tag=value pairs in the order entered.

Show tag=value on plot

OK

Cancel

Help

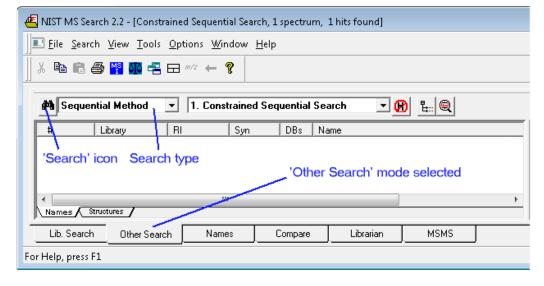
To show tag=value from Comments as separate line in spectrum text, enter tag

×

Display comment field options

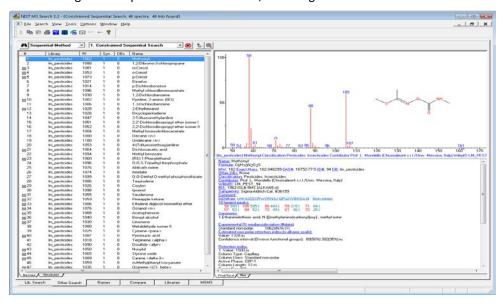
as a separate line.

** These special 'Tags in Comment' fields could be used for searching the same way as 'hard-wired' data fields. Select the 'Other Search' tab, then 'Sequential Search' and click the Search icon. Clicking the 'Search' icon brings up a dialog window where you could specify your query.



GENERAL DATABASE CONTENT

Seen in the example below is a constrained sequential search for Retention Index values being exactly 1000 from the RI1 data field as well as a range search (RI1 being between 1000 and 1100). Additional search options like greater or less than as well as range searches are available for numerical values. For text searching it is also possible to define exact, substring or exclusions.



See $\underline{www.wiley.com/go/databases}$ for other mass spectrometry, NMR, IR, and enterprise spectroscopy software from Wiley-VCH and John Wiley and Sons, Inc.

BASIC FUNCTIONS

The enclosed library can be used as the primary search library or can be searched along with other libraries. We recommend, for mission-critical tasks, that users consult both a general library such as Wiley Registry of Mass Spectral Data 11th Edition and a specialized library such as the featured library, Mass Spectra of Pesticides with Retention Indices 2nd Edition, or Mass Spectra of Flavors and Fragrances of Natural and Synthetic Compounds 3rd Edition.

DATA SUBMISSION

Wiley welcomes submissions of new data for consideration for inclusion in forthcoming editions. Wiley accepts data in the following areas:

- Classical EI-MS
- Tandem MS (MSⁿ)
- MS-TOF exact mass
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Data proposals, sample data, or inquiries are best sent to dbinquiry@wiley.com

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