

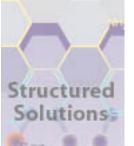
What's Available
Online?
Live Update, Tech
Support, I-Lab, and
Web Librarian
Extending the Technology
to Enterprise Deployment

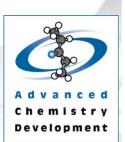
Kevin Turnbull
Account Manager
NMR Seminar – October 2, 2003.



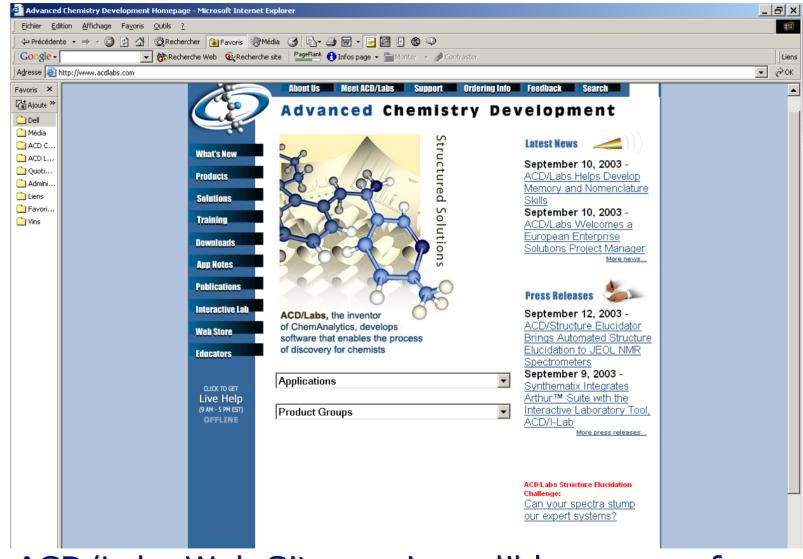
What's Available Online? Overview

- Internet
 - I-Lab on the Internet
 - Live update
 - Tech support Live help
- Intranet
 - I-Lab
 - Structure-spectrum verification using I-Lab
 - Web Librarian





www.acdlabs.com



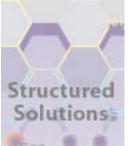
ACD/Labs Web Site: an incredible source of regularly updated information





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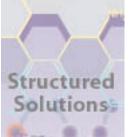


What Is I-Lab?

- The Interactive Laboratory
 - Delivering ACD/Labs predictions
 - o CNMR, HNMR, FNMR, PNMR, NNMR
 - o IUPAC Name, CAS/Index Name, NTS
 - o BP, LogP, pKa, LogD Aq Solubility
 - Providing access to non spectral databases
 - o NMR DB
 - o PhysChem DB

Via a Web Architecture



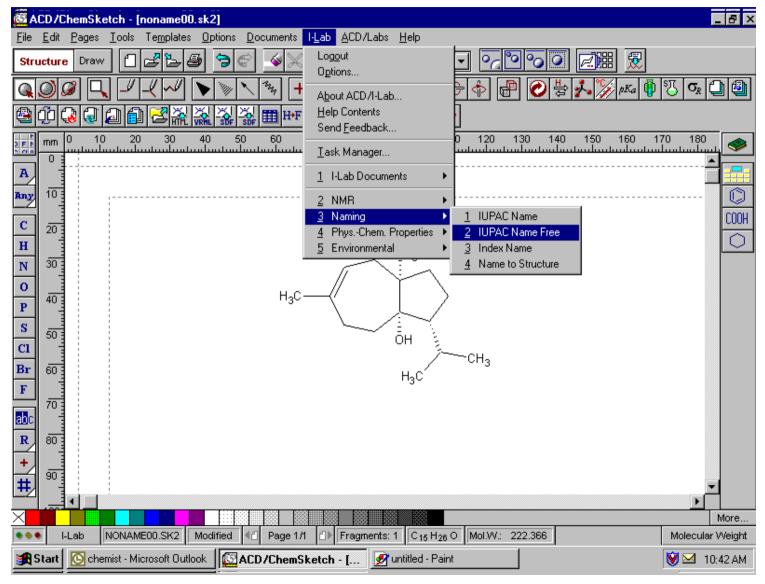




Structured

Solutions

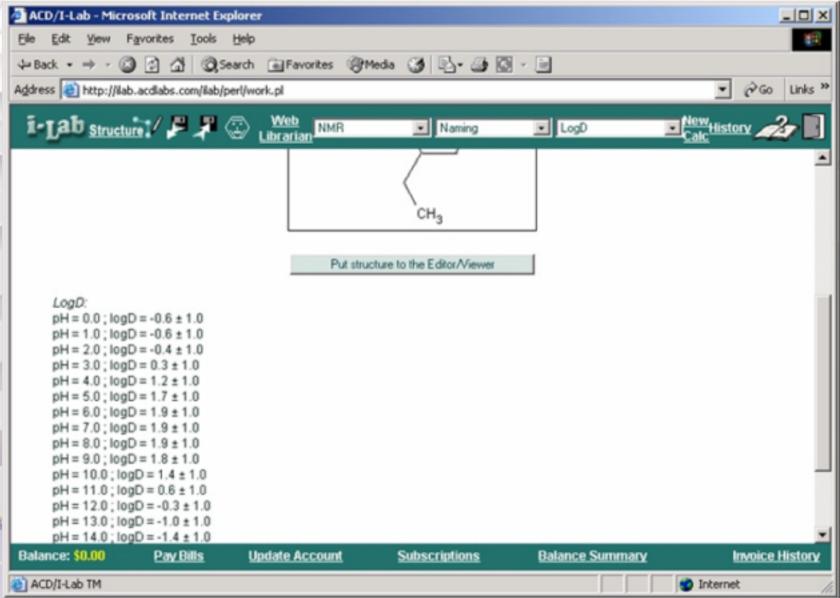
I-Lab via ChemSketch

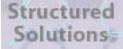






I-Lab Online

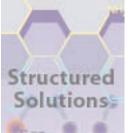






What's Available Online? Overview

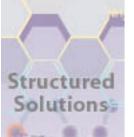
- Internet
 - I-Lab on the Internet
 - Live product updates
 - Tech support Live help
- Intranet
 - I-Lab
 - Structure-spectrum verification using I-Lab
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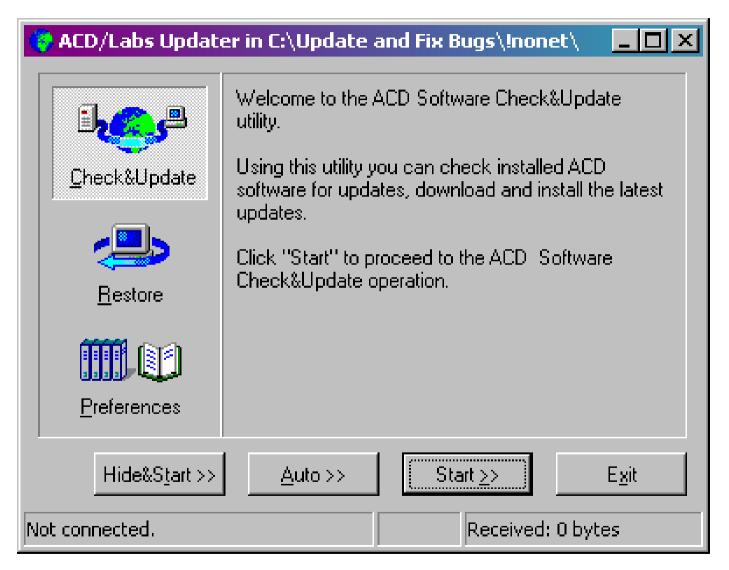
Online Updates

- New Application for online Updates available since April 2002
- WUK delivered to those under maintenance
- Automatic Download and Install
 - All new bug fixes and improvements
 - File format enhancements
 - Ability to restore original
- Password and Security Protection
- Verification and Logging of Updates
- Automated version control





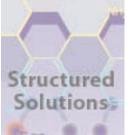
Online Update Utility





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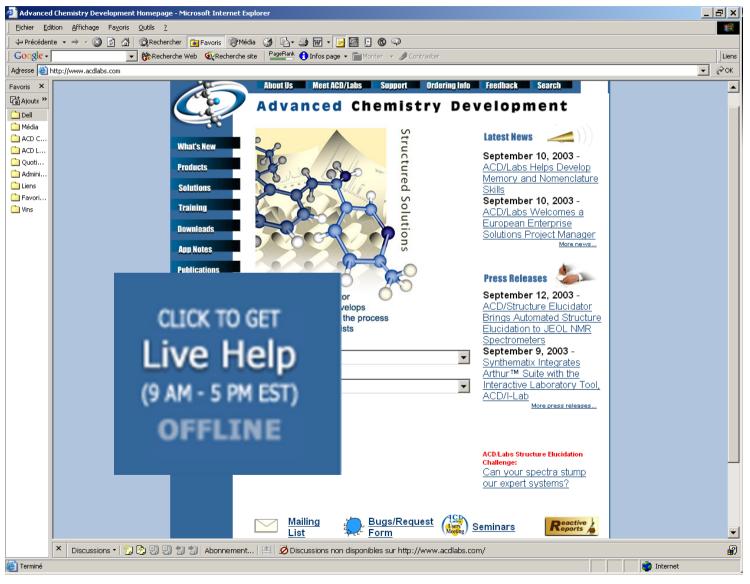




Structured

Solutions

Live Help



Spectroscopy • Chromatography • Phys Chem • Naming • Drawing and Databasing • Enterprise Solutions

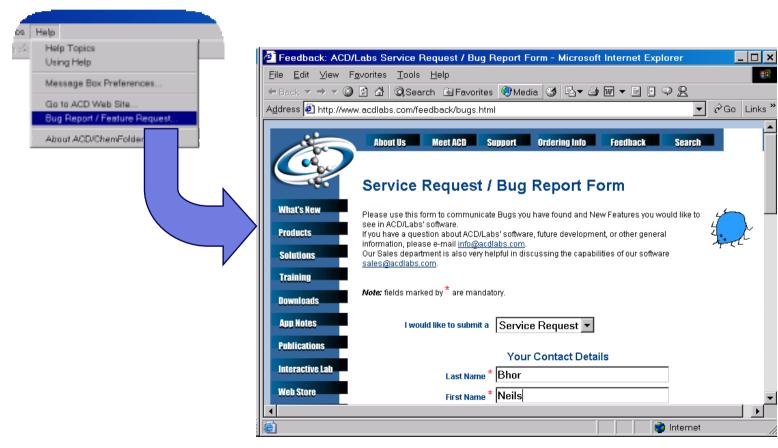


Solutions

Contacting Support

Service Request / Bug Report Form:

- Fastest Resolution Time
- Automated

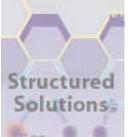






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I-Lab for Intranets

- "It's a nightmare to deploy all that software on everyone's desktop who needs it"
 - o Inventory the hardware;
 - o Inventory the computer resources for each machine;
 - o Install the software on each computer;
 - o Make sure network installations don't cause too much network traffic; and
 - o Re-install for every update.
- The cost of deployment and maintenance can be a significant financial burden itself.
- I-Lab on Intranet offers an equivalent accuracy for less money than the standard Windows interface

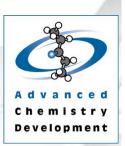




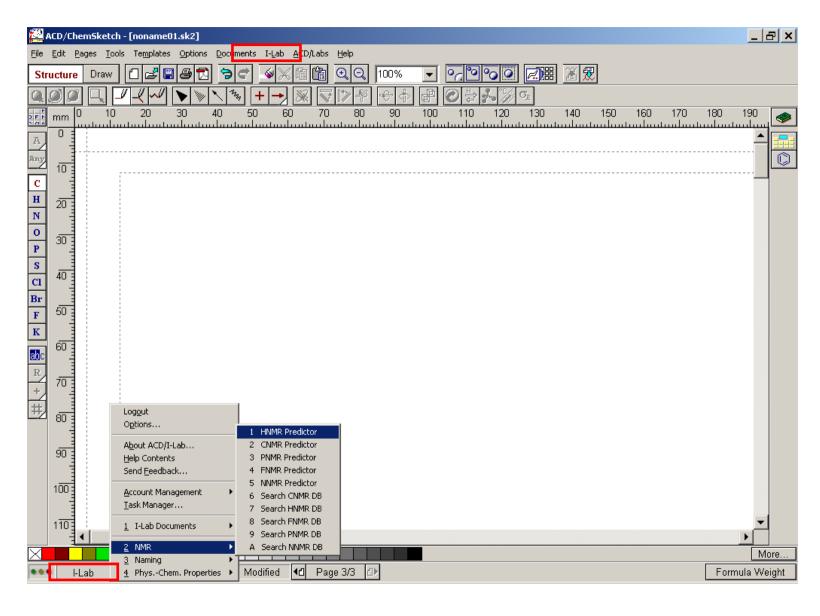
I-Lab Architecture

- The I-Lab Prediction Platform is server technology serving up the predictions and providing the transaction handling and integration technology
- ACD/Labs prediction engines sit on the platform technology
- The user interface can be
 - ACD/Chemsketch
 - ACD plug-ins on IE or Netscape
 - ACD/ Active-X module used in some customized user interface



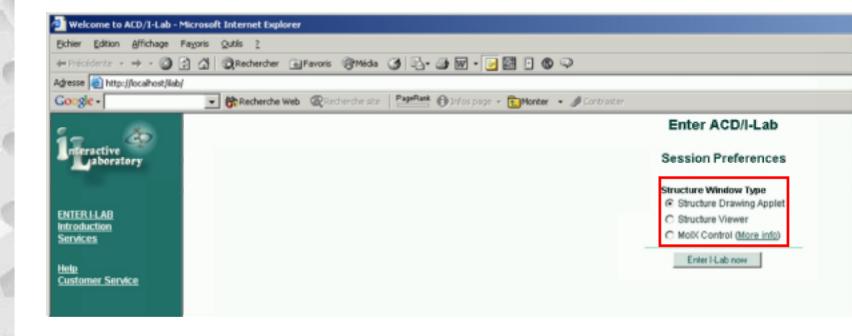


Starting I-Lab from ChemSketch

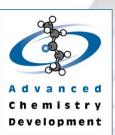




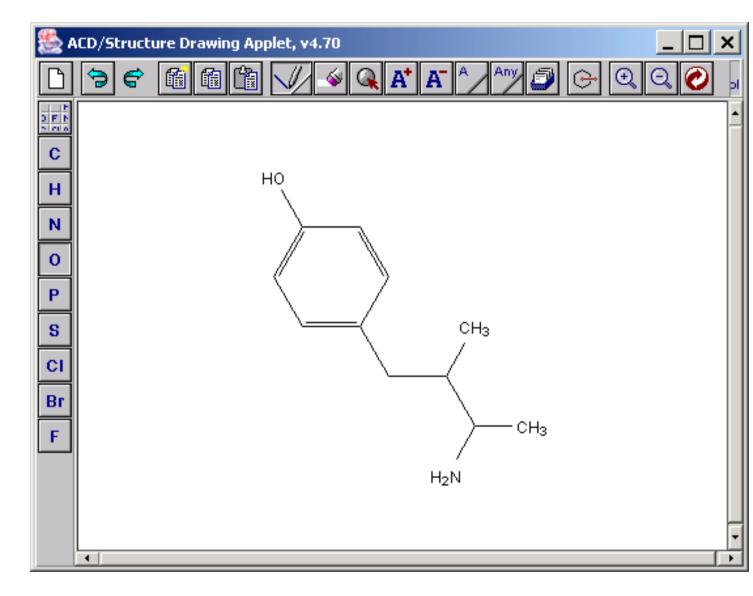
Starting I-Lab from your Internet Browser







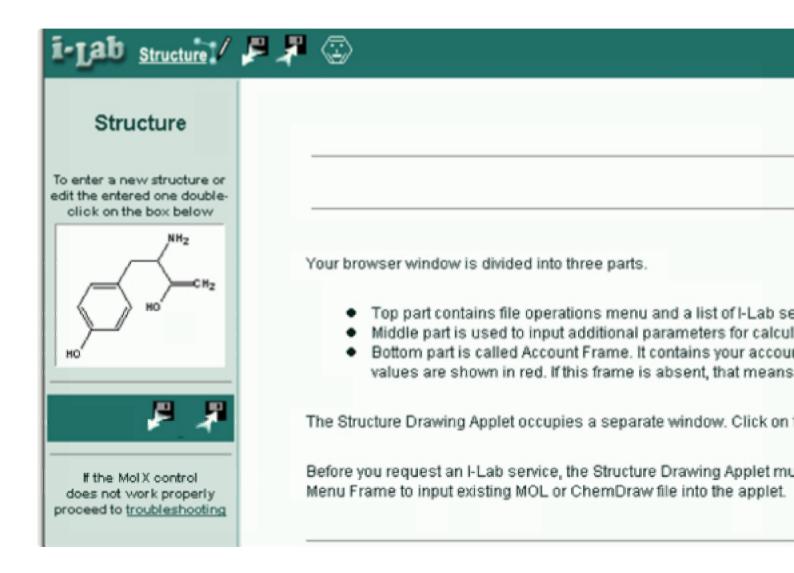
Structure Drawing Applet







MolX Control



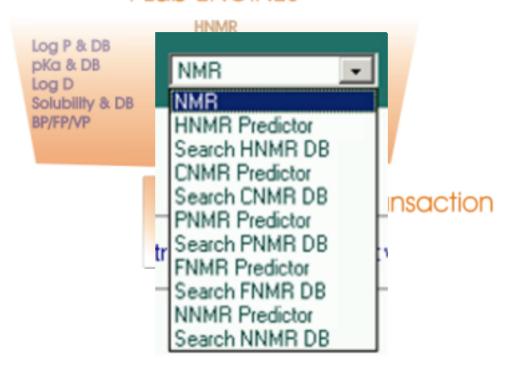








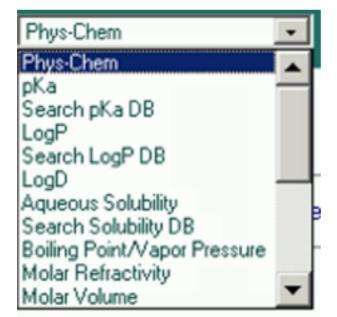






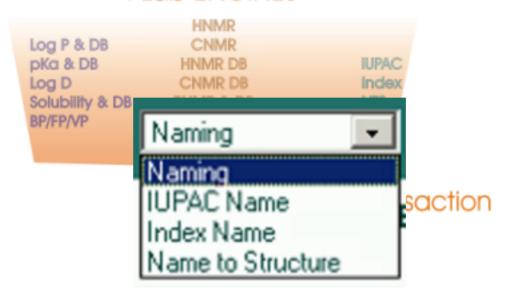






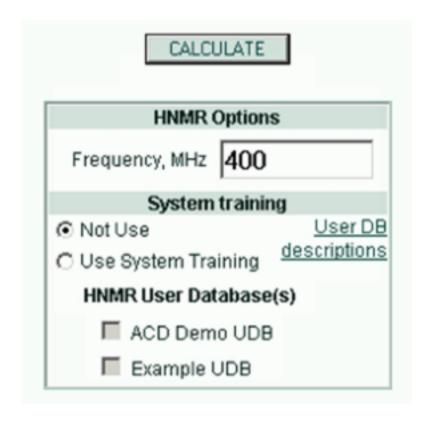








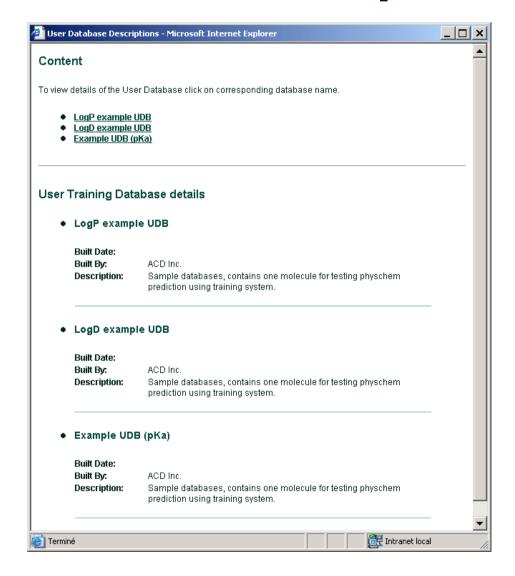
I-Lab Request - NMR

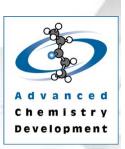




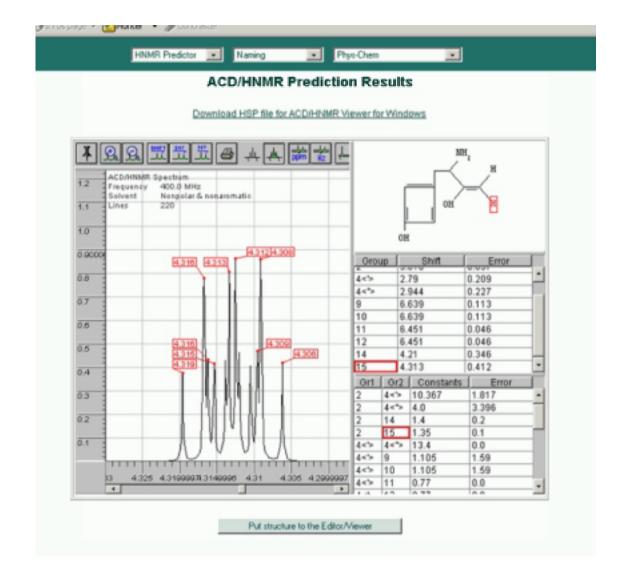


User DB Description

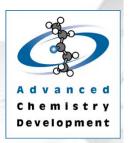


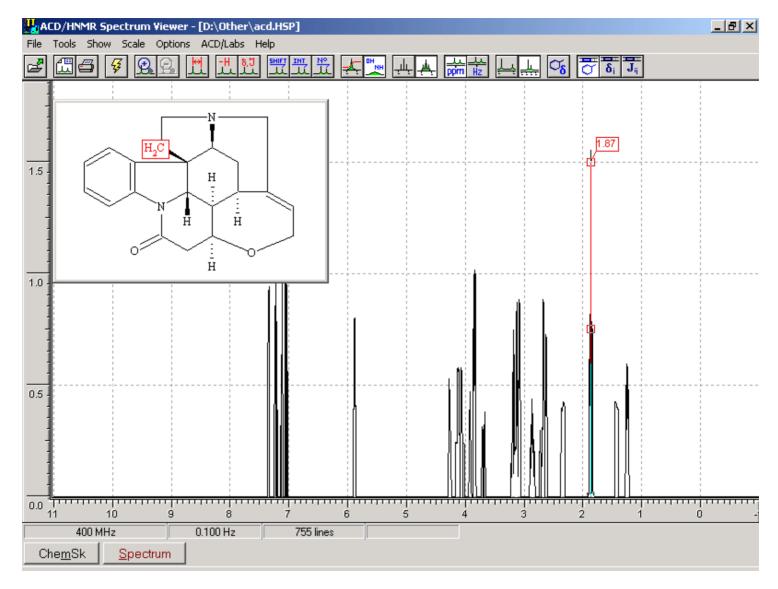


I-Lab Result - H1 NMR Prediction









You can view the NMR spectrum predicted using I-Lab with a Windows-based spectrum viewer

Spectroscopy • Chromatography • Phys Chem • Naming • Drawing and Databasing • Enterprise Solutions



Workflow Scenario Using ACD/Labs Software

- 10 Spectroscopists are using some modules of SpecManager to make assignments, and/or enriching training databases
- 20 Chemists are making compounds, running NMRs, and creating NMR Predictor training databases
- The rest of the organization periodically needs access to NMR information, in addition to other unmeasured structures or access to a simple verification
- For those, a deployment of I-Lab Intranet is the best choice





I-Lab vs Standard Windows

- Easy Deployment:
 - \rightarrow *I-Lab*
- 100% of the functionality
 - → Standard Windows
- More intuitive interface
 - \rightarrow I-Lab
- Pricing for large deployment
 - \rightarrow *I-Lab*
- Easy upgrade
 - → *I-Lab*
- Concurrent network
 - → Standard Windows
- No capability to build a user database and train the program but only using Corporate User training DB
 - \rightarrow I-Lab





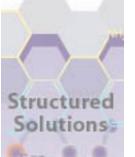
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Intranet

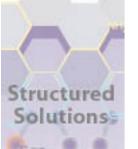
- I-Lab
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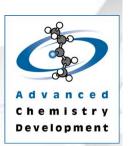




NEW: NMR Verification through I-Lab

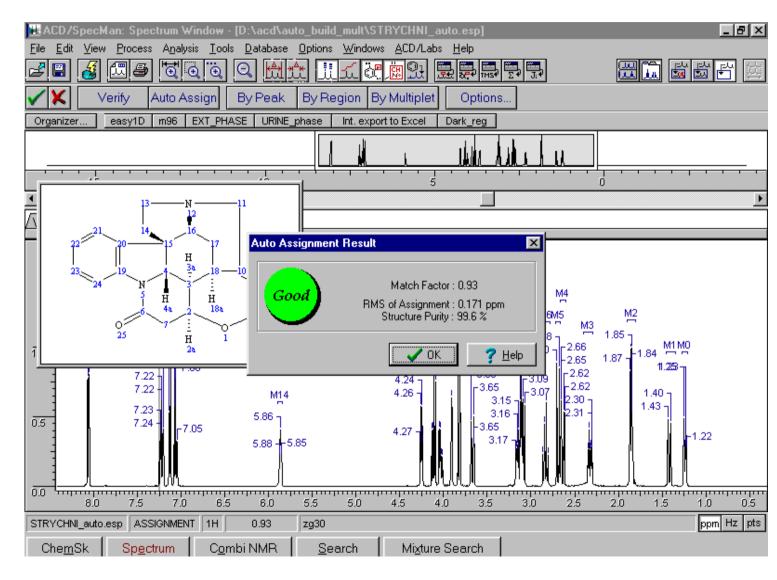
- Manual, spectrum-by-spectrum interpretation is the traditional way
- Use prediction software to predict compound-by-compound, and compare against experimental is faster using ACD/NMR Processor or Manager and H or C NMR Predictor
- Now easy do deploy using H or CNMR Prediction under I-Lab



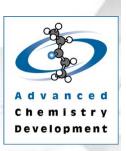


Solutions

Auto-Assignment







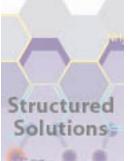
What's Available Online? Overview



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- Live update
- Chromatographic application database on the Web
- Tech support Live help

Intranet

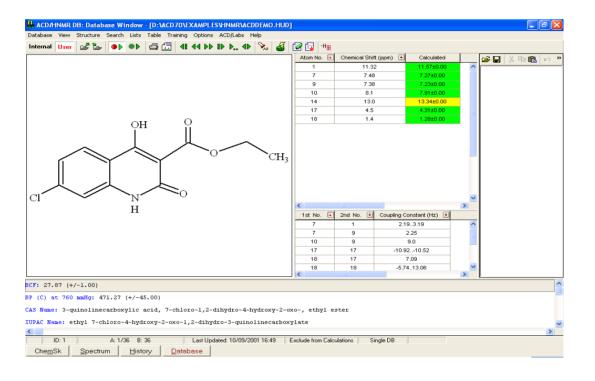
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Solutions

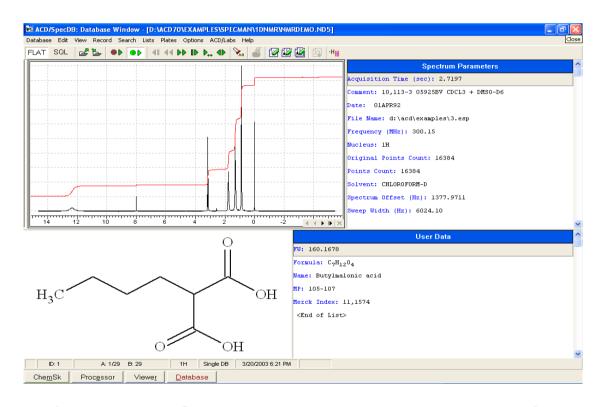
Review of Workflow Using ACD/Labs NMR Software



 Databases of chemical shift information are being created to train the CNMR, HNMR predictions



Review of Workflow Using ACD/Labs NMR Software



 Databases of SPECTRA are created and shared with ACD/NMR Manager (1D and 2D)





Other Types of ACD/Labs Databases Your Company Might Be Creating



- UV-IR Manager
- ChromManager
- CurveManager
- ChemFolder
- LogP user database
- pKa user database

Islands of isolated information that can be leveraged by other groups in your organization?





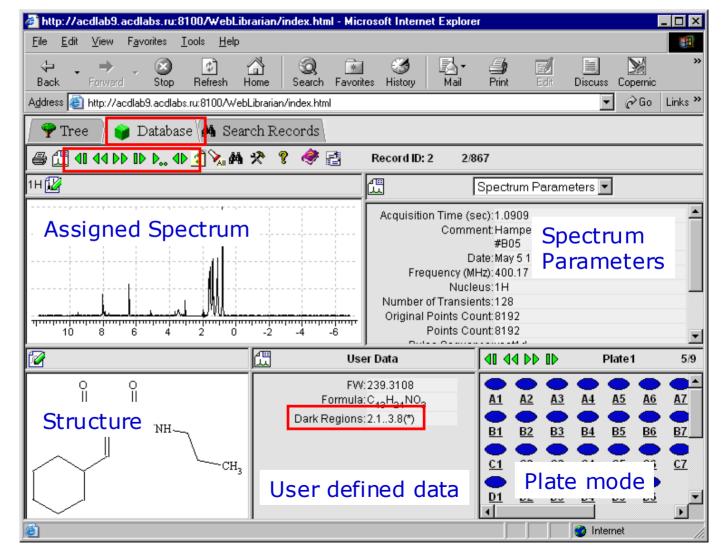


ACD/Web Librarian

- Design Objectives
 - To provide web-based access to analytical databases built inside SpecManager SQL on ORACLE, and CNMR/HNMR 'training' databases
 - To ease deployment across an organization
 - To reduce significantly the cost of deployment for spectral DB viewing and searching
 - To provide DOWNLOAD access of spectra and structures to ACD/Labs desktop tools for "power users"
 - To provide a tool which can be integrated to already existing enterprise solutions



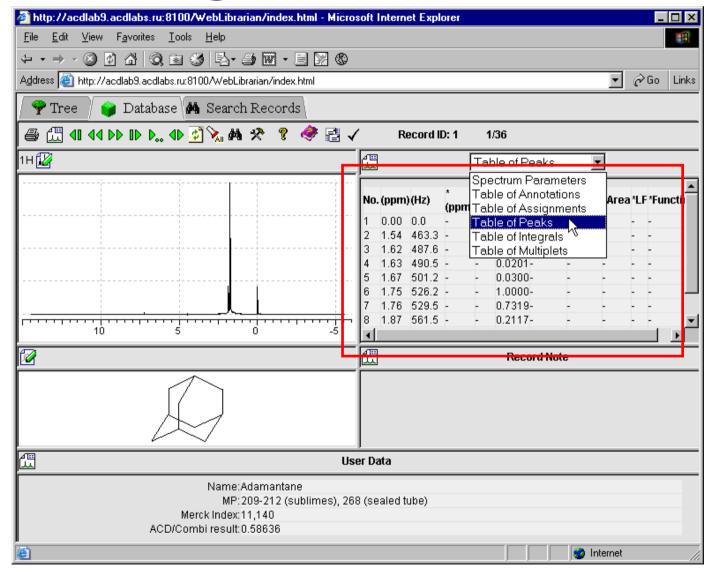
Visualization of *all* Associated Information





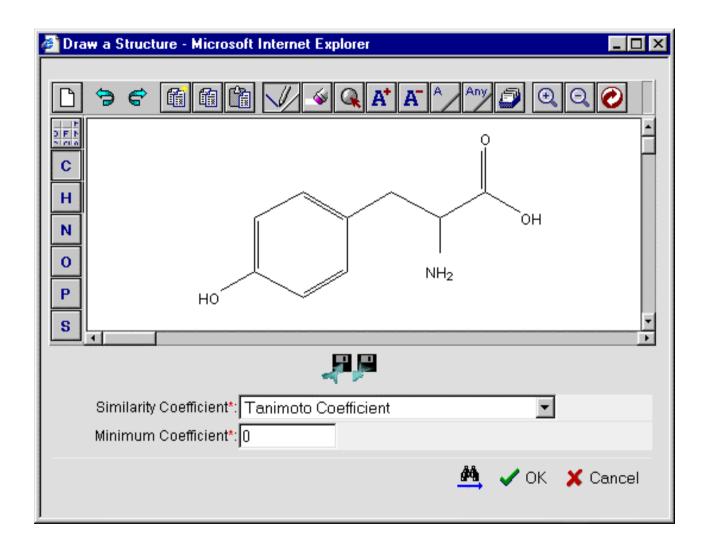


Viewing Various Tables





Structure Searching

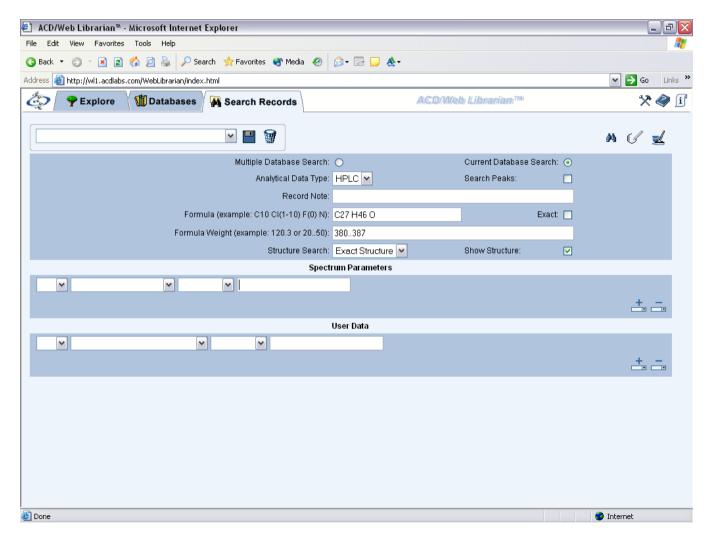




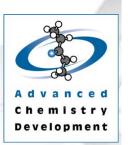
Structured

Solutions

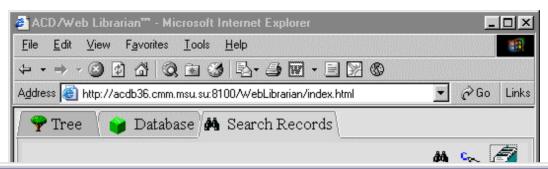
Searching the Databases

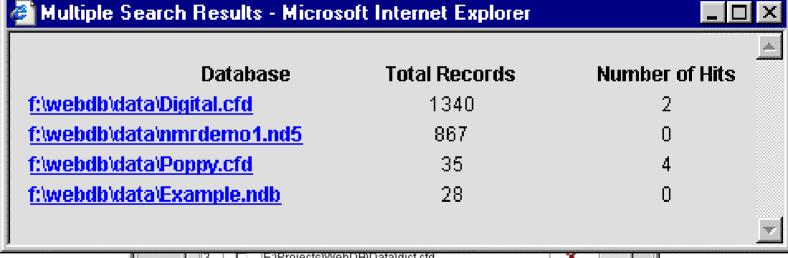






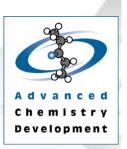
Multiple DB Searching



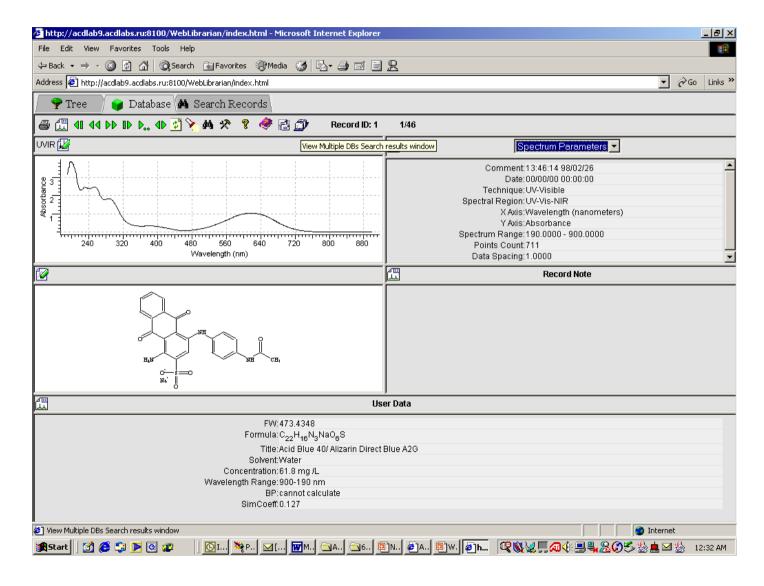








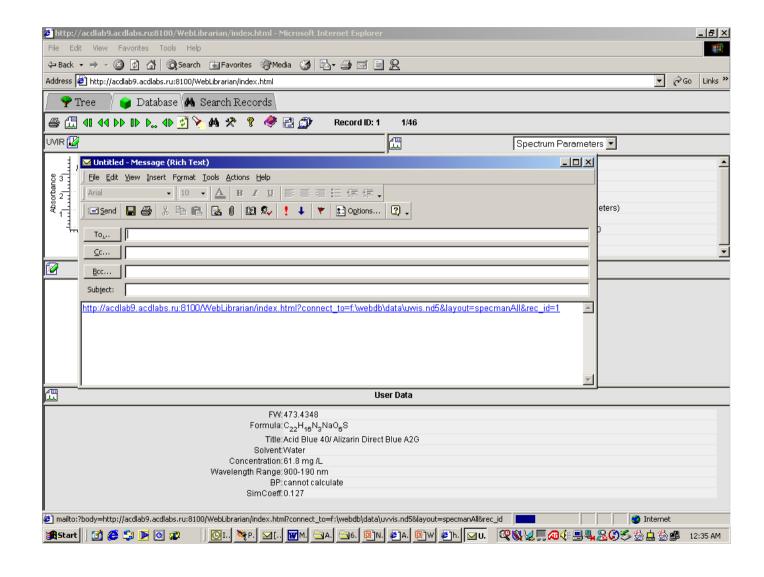
After Searching Multiple DBs



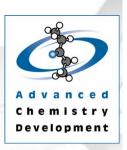


Structured Solutions

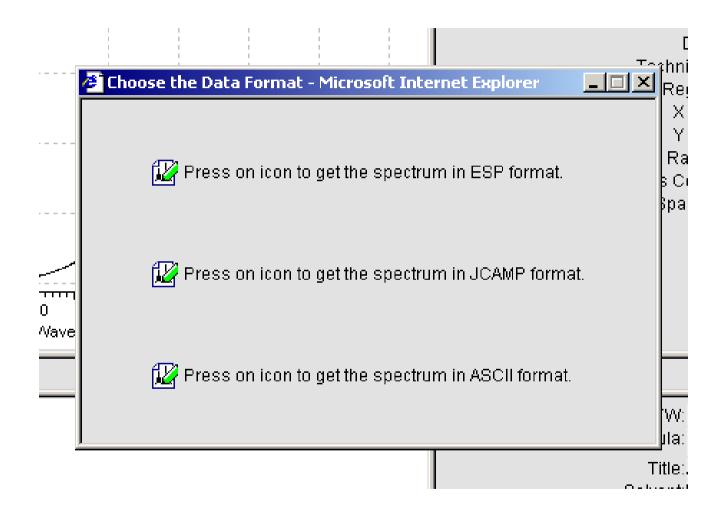
Email Record Link





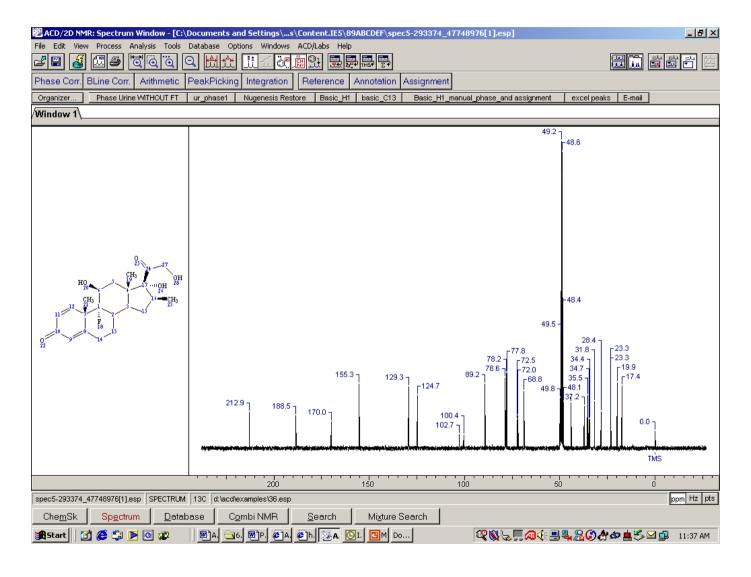


Download Data



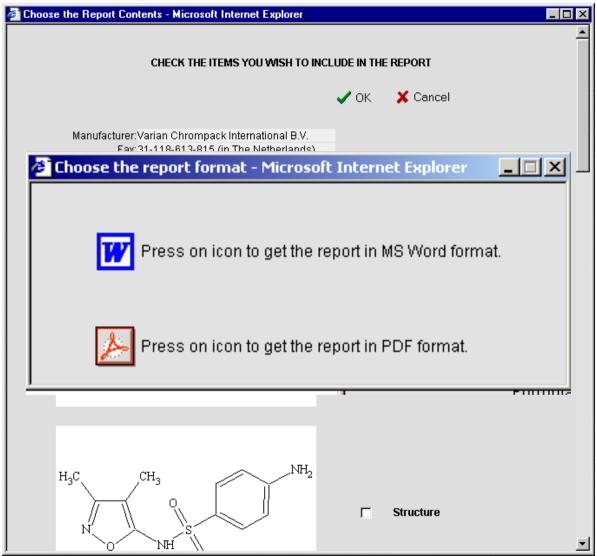


Download Spectrum





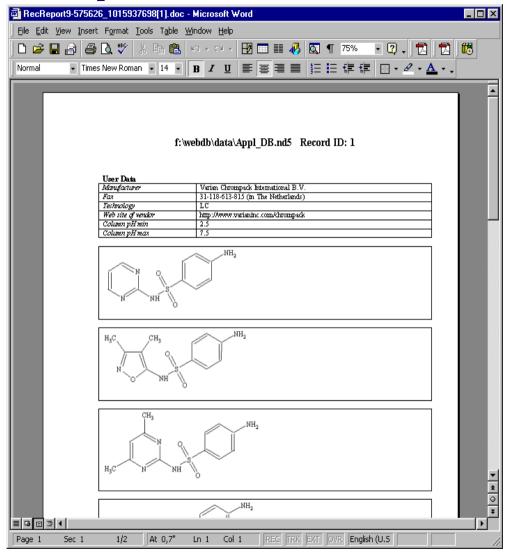
Report Generation

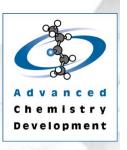




Structured Solutions

Report Generation

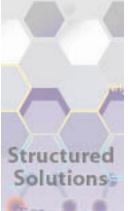




ACD/Web Librarian

- A Thin-Client view of SpecManager (SQL)
- Fully searchable by usual ACD/Labs methods
- Ideal method by which to make enterprise reference databases accessible across the company
- Distribute ORACLE-based data via the web to analysts for downloading (comparison, reporting etc.)
- Full reporting capabilities

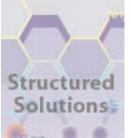
Flexible, easy to maintain, easy to deploy!





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- Extending the Technology to Enterprise Deployment (some examples)





Enterprise-Wide Integration

- Out-of-the-box ACD/Labs Tools
 - I-Lab (Intranet)
 - Web Librarian
 - MS-Windows[®] Platform
- ACD/Labs tools for integration
 - ActiveX Components
 - API
 - Batch programs for integration to registration systems or webifying
 - ACD/DLLs
- Integration directly managed and commercially proposed by ACD/Labs: MDL/ISIS Draw, Base and Host integration





Conclusion

- Our Web Site is an incredible source of regularly updated informations
- We developped a lot of capabilities to be used on line
 - I-Lab
 - Updater
 - Access to support
- Most of this tools are usable on your Intranet for larger deployment