DayBook An Electronic Laboratory Notebook for DayCart

Yvonne C. Shimshock, Ph.D. Manager, Business Development

> Daylight Euro-MUG 5-7 October 2005 Cambridge, England



DeltaSoft, Inc.

- Research systems consulting company since 1996
- Specialize in Discovery Informatics
- Solution focused software applications
 - Custom solutions and services
 - Multi-vendor integrated solutions
 - 'Out-of-the-Box' solutions
 - ChemCart
 - DeltaBook
 - CRISTAL



DeltaSoft Clients





































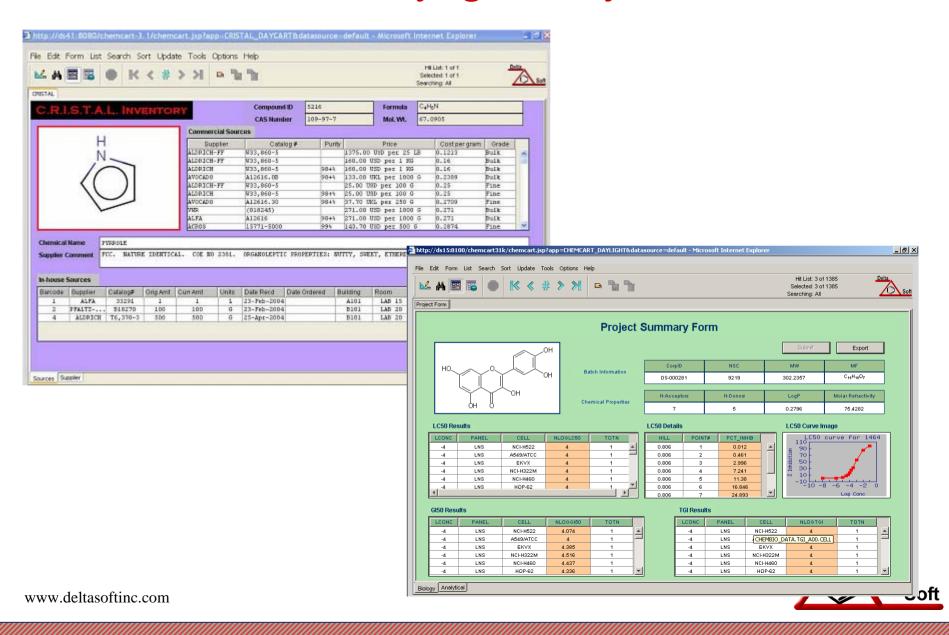








DeltaSoft with Daylight's DayCart

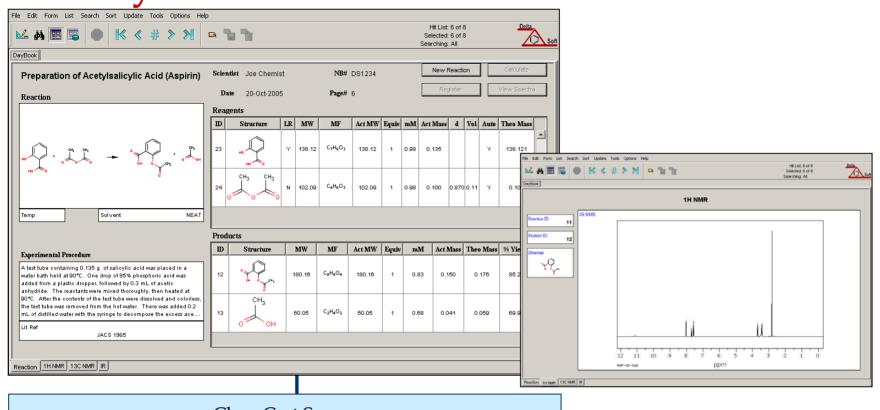


DayBook Basics

- Built on DeltaSoft's ChemCart technology
 - Out-of-the-Box interface to data cartridges
 - Web based
 - Flexible forms interface
 - Search, View, Update chemical structures, data, images
 - List management
 - Platform independent
 - Data model independent
- Developed in collaboration with Medicinal Chemists
- Uses Daylight's DayCart for chemistry support
 - Commercially available DayCart notebook
- Customizable
 - API
 - Link to Chemical Registration
 - Link to Chemical Reagent Inventory



DayBook Architecture



ChemCart Server

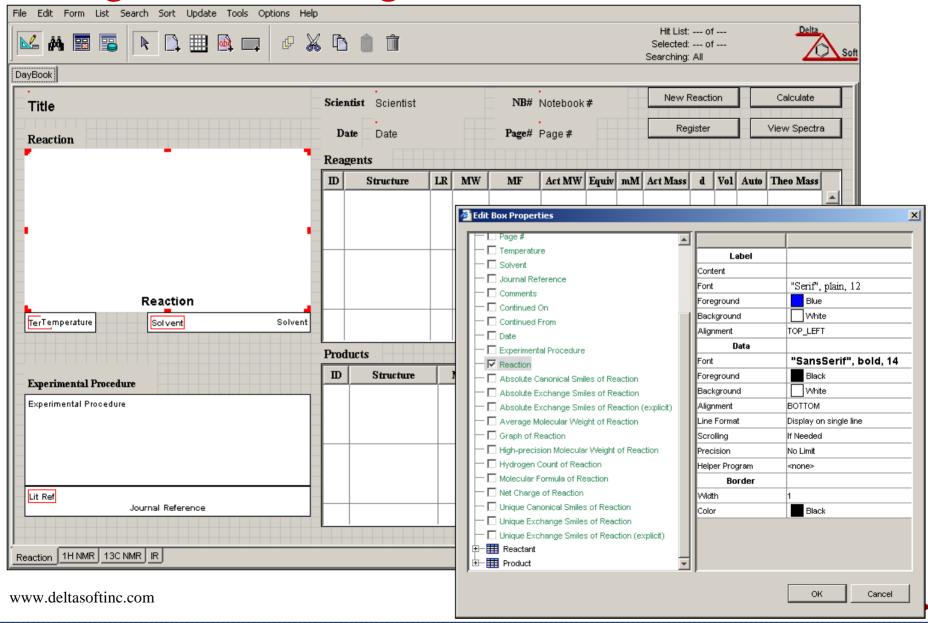
ORACLE/DayCart Cartridge

Molecules / Reactions Experimental detail Test results (including Images)

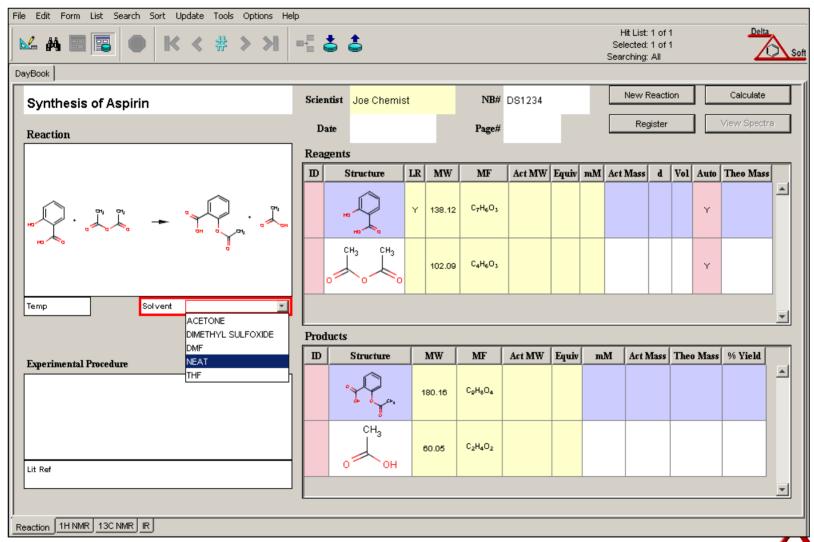


www.deltaso

Design Notebook Page (Boxes, Tables, Labels, Buttons, Sheets)



Create Notebook entry

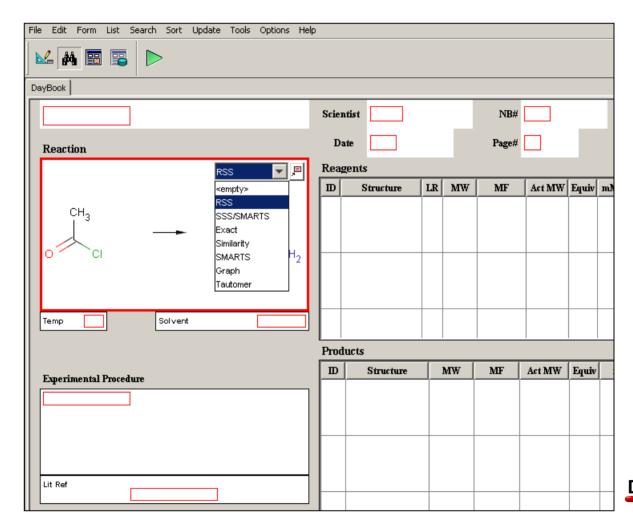


DayBook Features

- Electronically record all aspects of chemical synthesis
 - reaction, reagents, products, experimental detail (including images)
 - enter reaction; reagents and products are generated with cartridge calculation of MF and MW
- Auto limiting reagent
- Auto calculations
 - mmol, vol, theooretical yield, % yield
- Duplicate notebook pages for similar reactions
- Use Picklists to add corporate standard terms
- Use Quick Pick to add reagents or text
- Save drafts, update notebook pages, publish to database
- Batch file upload (.csv, .sdf, .rdf, binary files)
 - field mapper

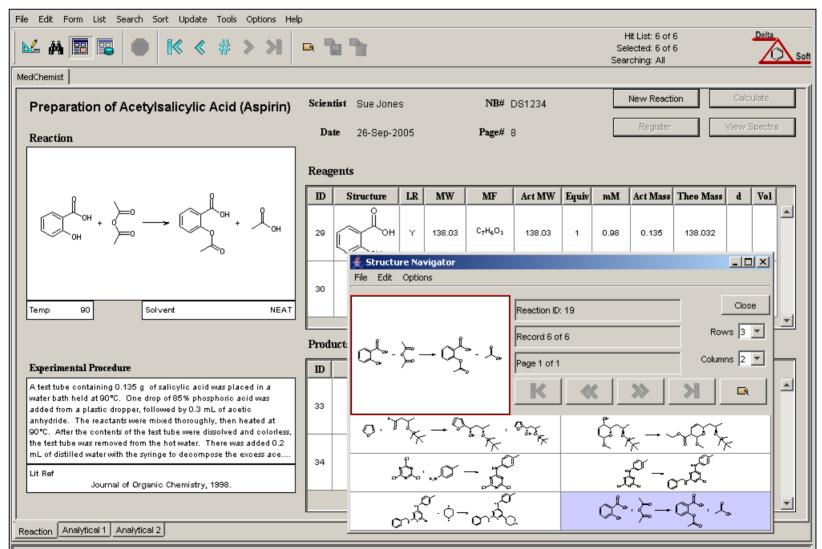


Search Notebook (Form or Advanced Query Builder)





View Search Results (Form or Structure Navigator)



Manipulate Hit Lists

- Add
- Remove
- Perform operations (AND, OR, NOT, XOR)
- Share
 - Public
 - Private
 - Role
- Save & Manage
 - For All DayBook Objects
 - Forms
 - Search Criteria
 - Hit Lists
 - Sort Criteria
 - Print Layouts

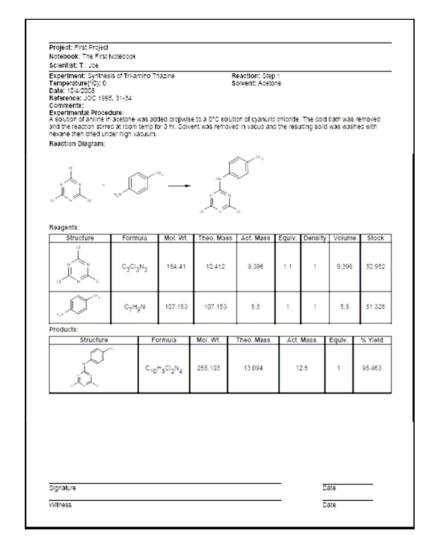


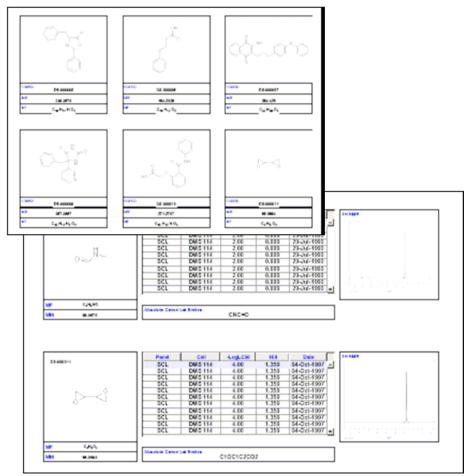
Export

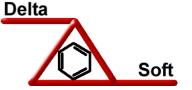
- Forms
- Lists
- Files
 - CSV
 - SDFile
 - RDFile
 - XDFile
 - ISIS for Excel
 - Accord for Excel
- Copy/Copy As Image
- Save as Rxnfile/Molfile



Generate Reports





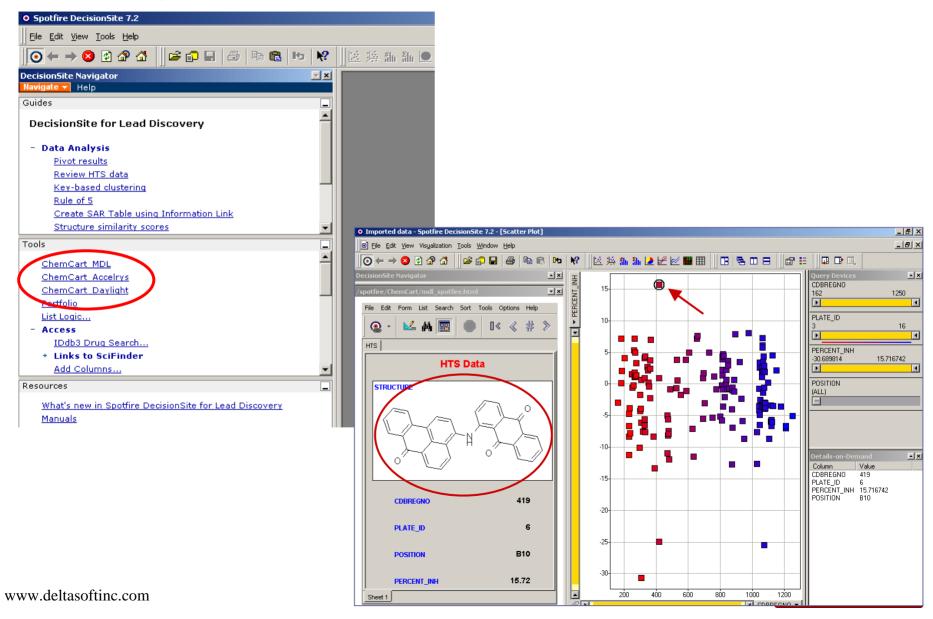


Optional Integrations

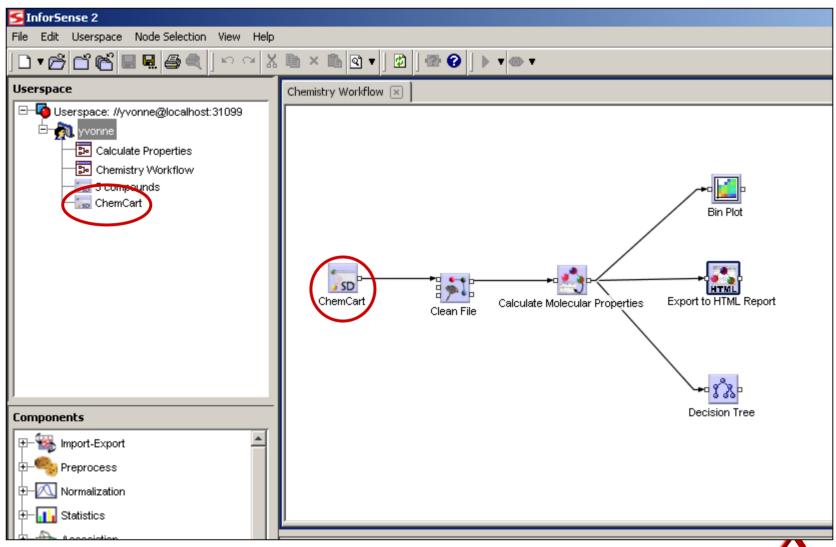
- Accelrys Accord for Excel
- IBM InsightLink
- IBM DiscoveryLink (Information Integrator)
- InforSense KDE
- MDL ISIS for Excel
- Spotfire DecisionSite



Integration with Spotfire



Analyze data in KDE workflow



DayBook Summary

- An interface to research experiments using DayCart cartridge
 - Web based
 - Configurable forms
 - UI designed for scientists
 - Auto calculate
 - Picklists
 - Quick Picks
 - Duplicate reactions
 - Searching by Form or Advanced
- Customize
 - Buttons
- Link to other systems
 - Internal (Registration, Inventory)
 - 3rd party

