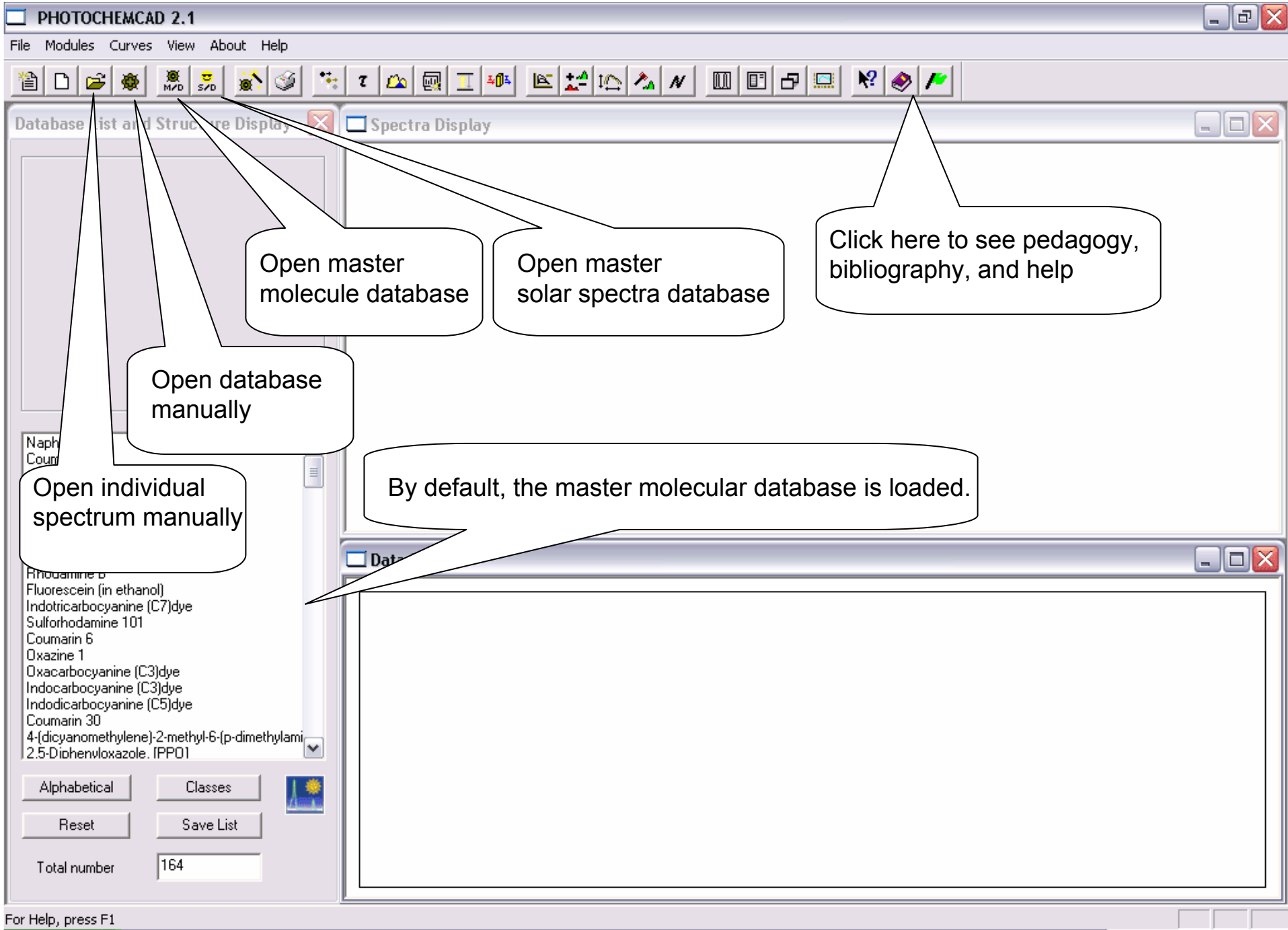
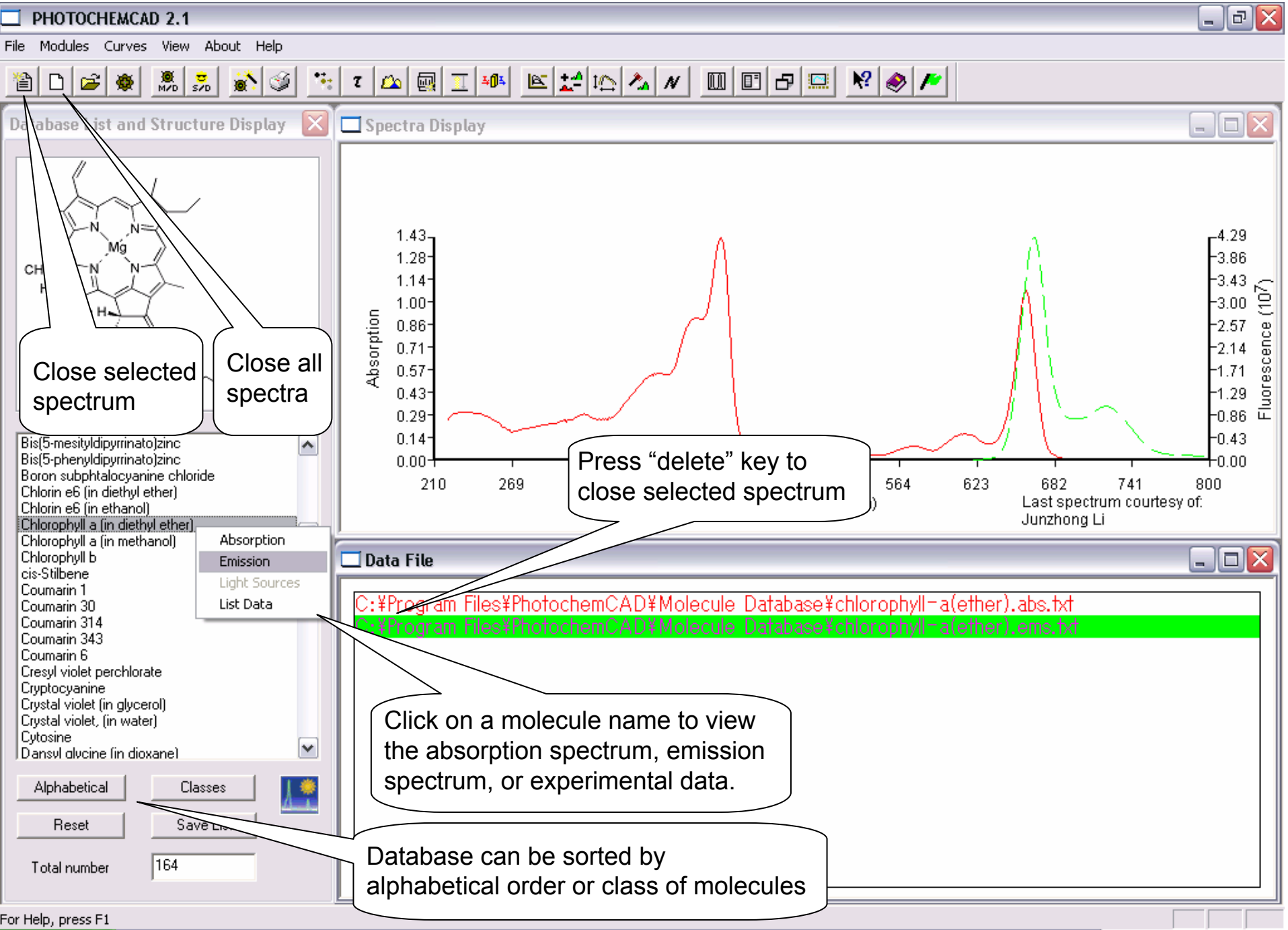
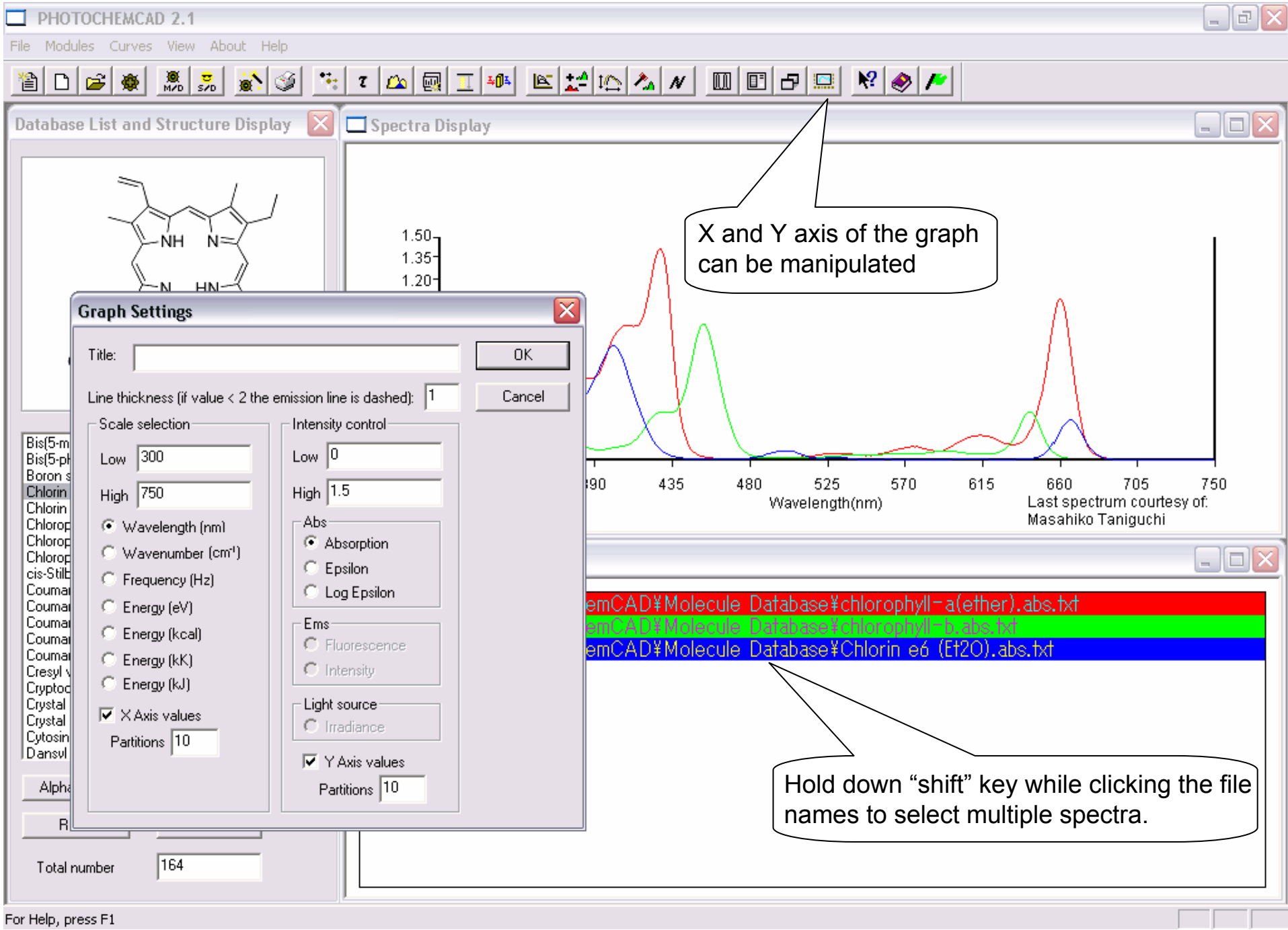

PHOTOCHEMCAD 2.1
File Modules Curves View About Help
Database List and Structure Display
Spectra Display
Open master molecule database
Open master solar spectra database
Click here to see pedagogy, bibliography, and help
Open database manually
Open individual spectrum manually
By default, the master molecular database is loaded.
Fluorescein (in ethanol)
Indotricarbocyanine (C7)dye
Sulforhodamine 101
Coumarin 6
Oxazine 1
Oxacarbocyanine (C3)dye
Indocarbocyanine (C3)dye
Indodicarbocyanine (C5)dye
Coumarin 30
Alphabetical
Classes
Reset
Save List
Total number
164
For Help, press F1


PHOTOCHEMCAD 2.1
File Modules Curves View About Help
Database List and Structure Display
Spectra Display
Close selected spectrum
Close all spectra
Bis(5-mesityldipyrrinato)zinc
Bis(5-phenyldipyrrinato)zinc
Boron subphtalocyanine chloride
Chlorin e6 (in diethyl ether)
Chlorin e6 (in ethanol)
Chlorophyll a (in diethyl ether)
Chlorophyll a (in methanol)
Chlorophyll b
cis-Stilbene
Coumarin 1
Coumarin 30
Coumarin 314
Coumarin 343
Coumarin 6
Cresyl violet perchlorate
Cryptocyanine
Crystal violet (in glycerol)
Crystal violet, (in water)
Cytosine
Dansyl glycine (in dioxane)
Absorption
Emission
Light Sources
List Data
Alphabetical
Classes
Reset
Total number
164
Absorption
Fluorescence (10^7)
1.43
1.28
1.14
1.00
0.86
0.71
0.57
0.43
0.29
0.14
0.00
4.29
3.86
3.43
3.00
2.57
2.14
1.71
1.29
0.86
0.43
0.00
210
269
564
623
682
741
800
Last spectrum courtesy of:
Junzhong Li
Press “delete” key to close selected spectrum
Data File
C:¥Program Files¥PhotochemCAD¥Molecule Database¥chlorophyll-a(ether).abs.txt
C:¥Program Files¥PhotochemCAD¥Molecule Database¥chlorophyll-a(ether).ems.txt
Click on a molecule name to view the absorption spectrum, emission spectrum, or experimental data.
Database can be sorted by alphabetical order or class of molecules
For Help, press F1


PHOTOCHEMCAD 2.1
File Modules Curves View About Help
Database List and Structure Display
Spectra Display
X and Y axis of the graph can be manipulated
Graph Settings
Title:
OK
Cancel
Line thickness (if value < 2 the emission line is dashed): 1
Scale selection
Low 300
High 750
Wavelength (nm)
Wavenumber (cm-1)
Frequency (Hz)
Energy (eV)
Energy (kcal)
Energy (kK)
Energy (kJ)
X Axis values
Partitions 10
Intensity control
Low 0
High 1.5
Abs
Absorption
Epsilon
Log Epsilon
Ems
Fluorescence
Intensity
Light source
Irradiance
Y Axis values
Partitions 10
1.50
1.35
1.20
435 480 525 570 615 660 705 750
Wavelength(nm)
Last spectrum courtesy of:
Masahiko Taniguchi
emCAD¥Molecule Database¥chlorophyll-a(ether).abs.txt
emCAD¥Molecule Database¥chlorophyll-b.abs.txt
emCAD¥Molecule Database¥Chlorin e6 (Et2O).abs.txt
Hold down “shift” key while clicking the file names to select multiple spectra.
Total number 164
For Help, press F1