



層析工作站 安裝及使用手冊

Chromatography Work Station Installation & User Manual

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層析工作站 Chromatography Work Station

成都格萊精密儀器有限公司(Chengdu GeLai Technology Co., Ltd)

太陽系分析基礎開發工作室(The Analytical Based Development Center)

目 錄 Content

1. 工作站的安裝.The workstation installation.

1.1 外掛程式安裝, plug-in installation , FTDI USB-RS232(V2.6.0)。

1.1.1 將 U S B 資料轉化器接入埠，進入電腦裝置管理員，查找埠，
查找安裝外掛程式。

Connect the USB data converter to port, then enter into the device administrator interface of the computer system to find the port that for installing the plugin driver for the converter.

1.2 Microsoft.NET 的安裝。Microsoft.NET installation.

1.2.1 查找 Microsoft .NET Framework 4 Setup 並安裝。

外掛程式可在網上下載。

Finding the "Microsoft .NET Framework 4 Setup" and to install.

It can be downloaded from the Microsoft Download Center.

1.3 工作站安裝，完成上述步驟方可安裝本工作站。

Workstation installation, complete these steps before installing the Chromatography workstation.



2 .進入工作站. Enter the workstation.

2 . 1 工作站的認識. Understanding workstation.

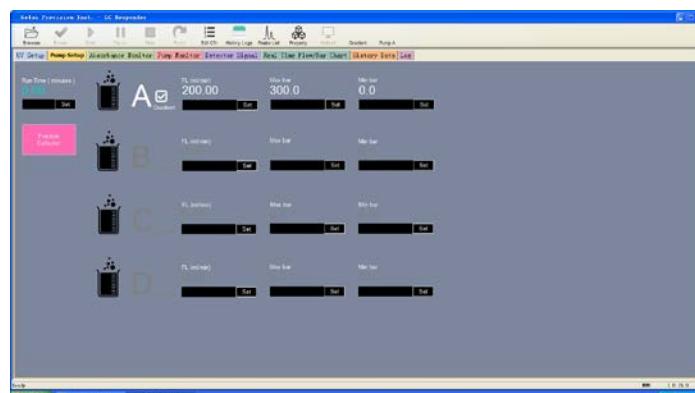
2.1.1 UVsetup , 檢測器控制介面，可設置波長、調零、燈開關。

UV Detector setup: the wavelength, zero, light On/Off can be set in the detector control interface.



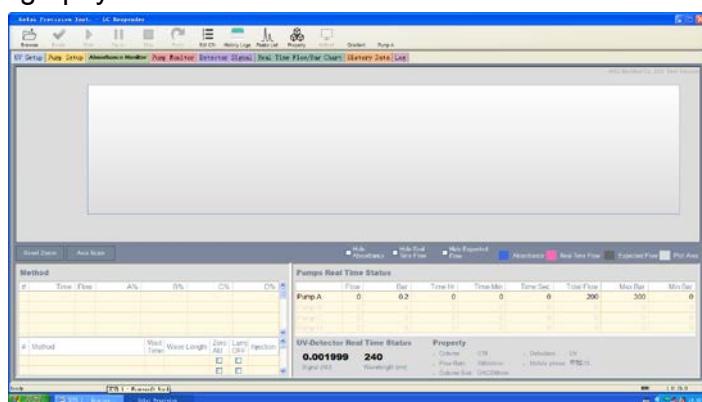
2.1.2 pump setup , 輸液泵參數設置。

Pump setup: pump parameter settings.



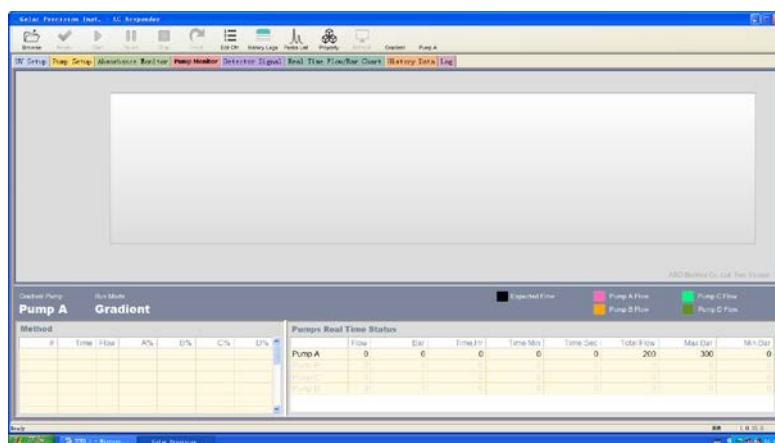
2.1.3 absorbance monitor , 方法運行及採集視窗。

Absorbance monitor: the window for monitoring the operation and signal acquisition of running method.



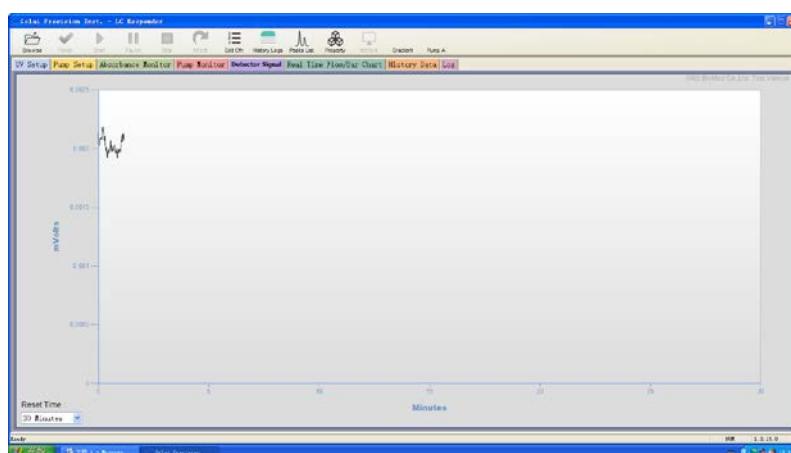
2.1.4 pump monitor , 輸液泵運行信號。

Pump monitor: status and running signal of pump.



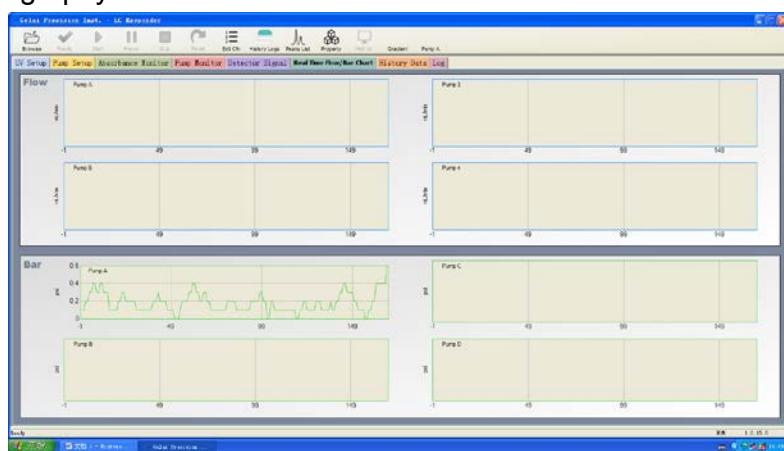
2.1.5 detector signal , 檢測器及時信號。

Detector signal: the detector signal in time.



2.1.6 real time flow/bar chart , 輸液泵即時流速與壓力。

Real time flow / bar chart: display real time pump flow rate and pressure.



2.2 方法編輯與保存。Method editing and saving.

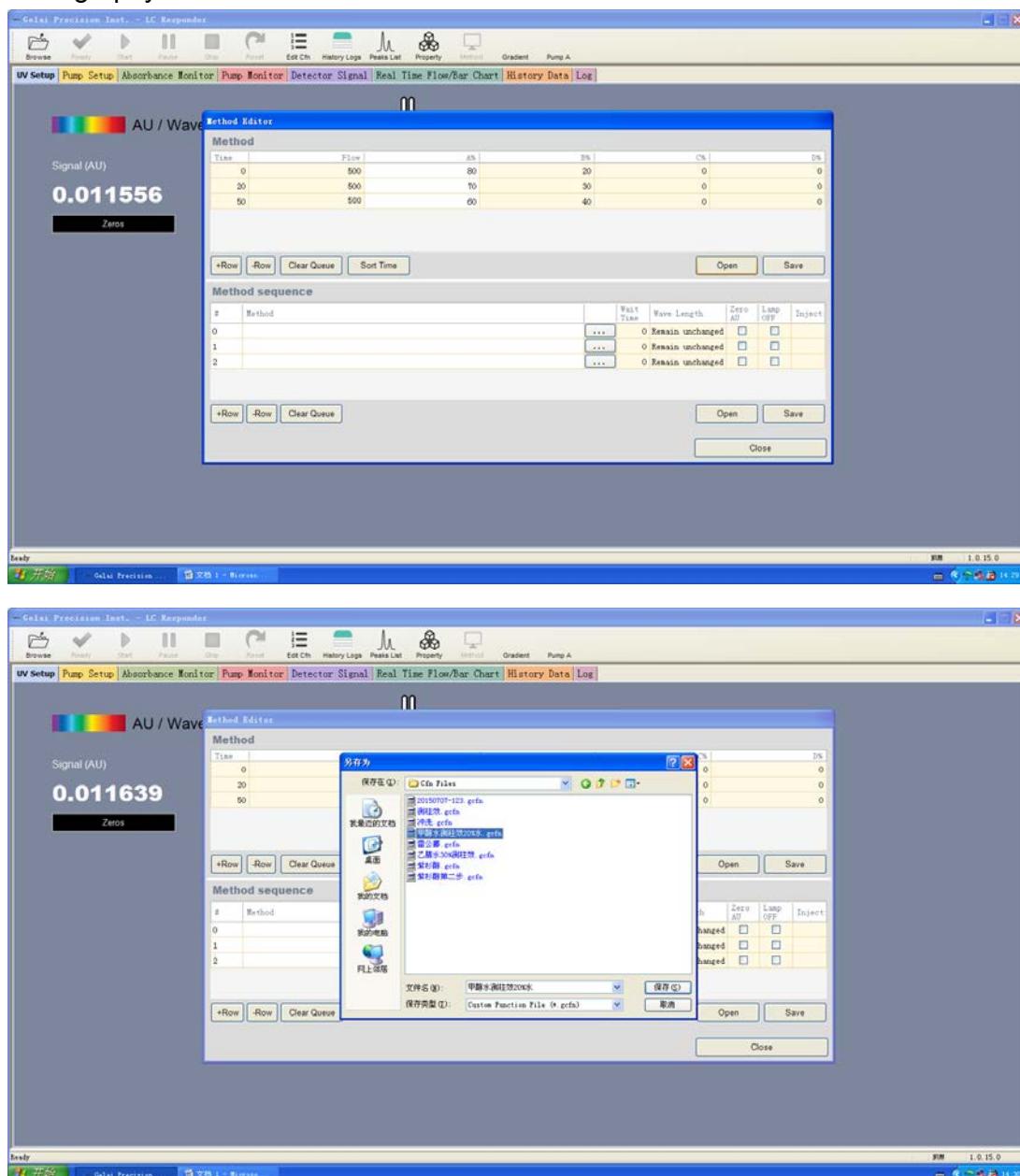
2.2.1 按一下工具列“edt cfn”，進入方法編輯視窗，如下，“method”用於編輯或修改，“method sequence”用於多個方法程式序列的修改；“+row”為添加行，“-row”為刪除行，“clear queue”為清空行，“sort time”為時間排序。單一方法的編輯在第一欄中編輯，完成後使用“method”欄保存方法，路徑可自訂。

Click the toolbar "edt cfn", into the method editor window, as follows:

The "method" is used to edit or modify,

the "method sequence" is used to modify the sequenced program of several methods; the "+ row" for adding a row, "-row" to delete a row, "clear queue" to clear a row, "sort time" is to sort by time.

A single method is edited in the first column, and while completed, the "method" column is used for storing the method, and the path can be specified.



2.3 方法使用.Method application.

2.3.1 按一下工具列“browse”進入方法選擇視窗，“+”用於添加方法序列行，“-”用於刪除序列行，該程式可添加數個方法，並自動按照方法序列逐個運行。添加行目後，按一下“...”圖示選擇方法，可根據需要選擇啟動自動調零，按一下下載序列。“save”用於保存方法序列用。

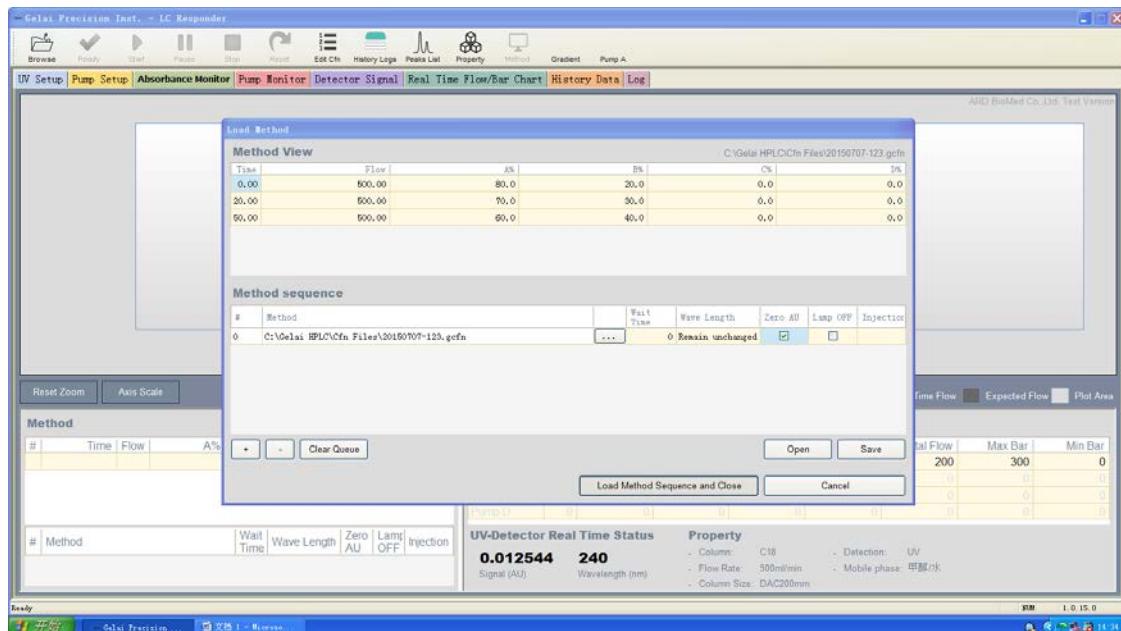
Click the "browse" of the Toolbar to enter the method selection window: use "+" to add a method sequence lines, "-" to delete sequence line, numerous methods can be added , and executed automatically according to the method sequence.

After the sequence line additions, click the "..." icon to selection methods, with the



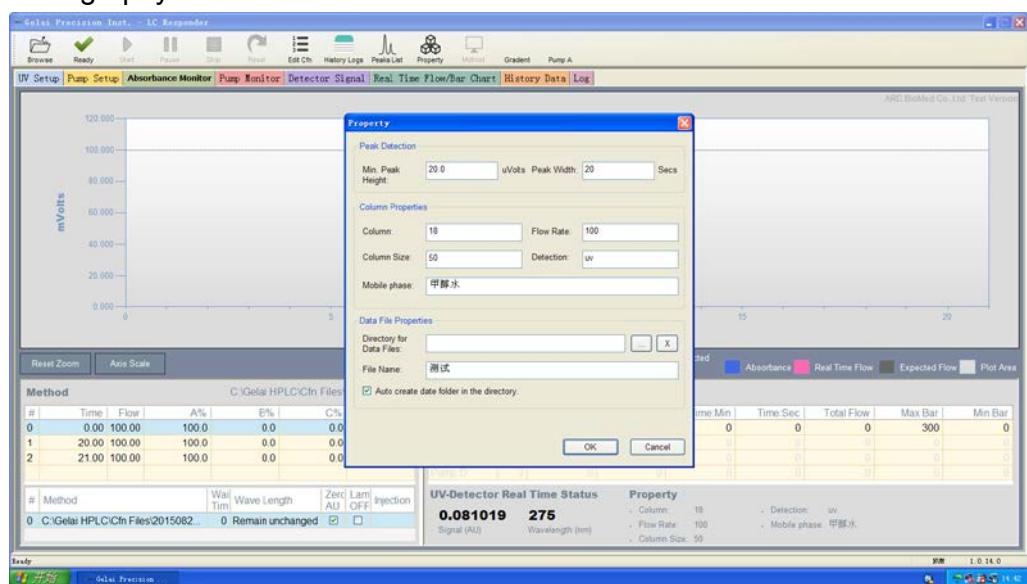
auto-zero option selected if necessary.

Click download sequence to load the method sequence lines for execution, and use "Save" to save the method sequences.



2.3.2 工具列“property”為採集圖譜資訊編輯。包括：積分選擇、色譜柱使用資訊、目錄和檔案名資訊。要求在下載方法後或更換條件時修改。

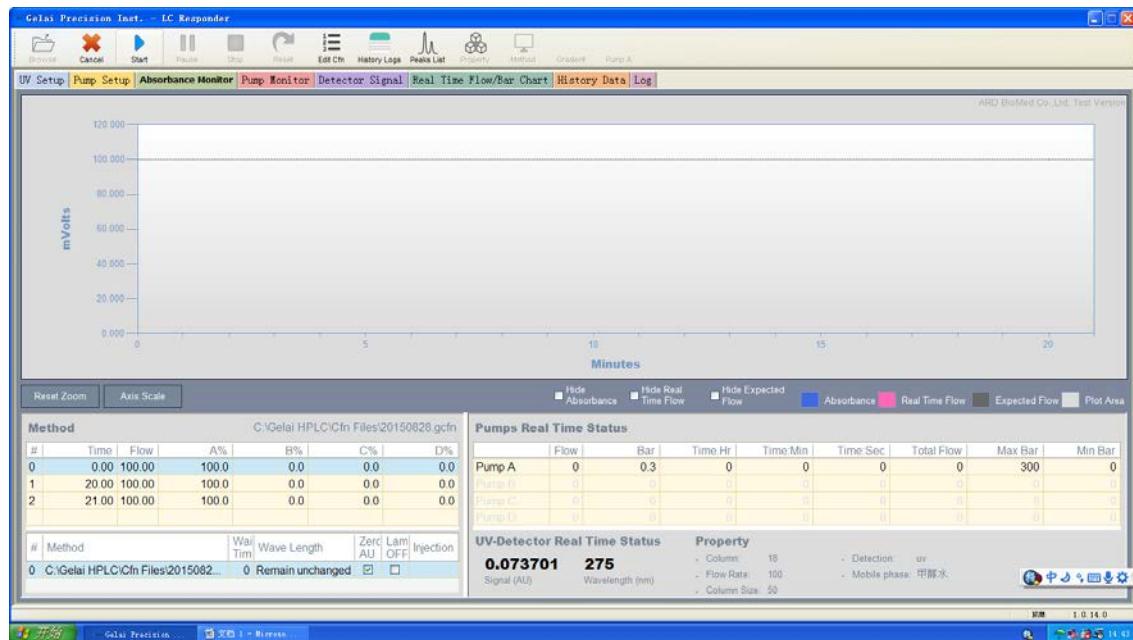
Toolbar "property" is used to edit/record information of collected chromatogram, including: integration parameters, column information, directory and file name information. It is records that are updated while methods are downloaded for execution or conditions are modified.

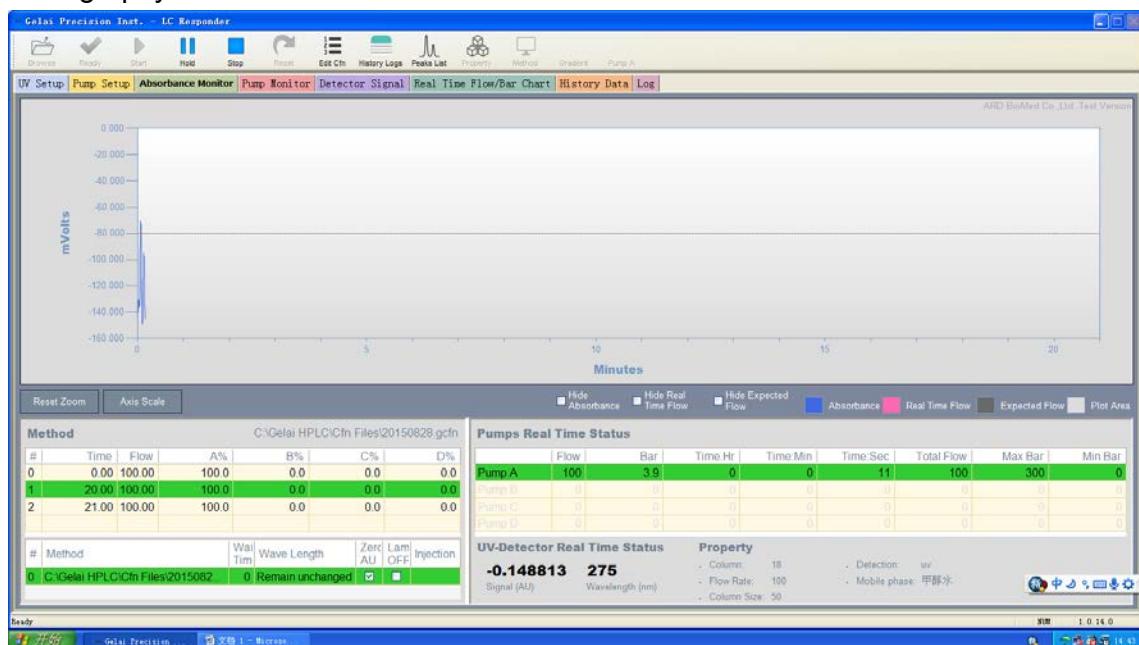


2.3.3 完成以上操作後，按一下“ready”進入運行操作。“reset zoom”為還原視窗，“axis scale”用於尺規設定，時間尺規自動與梯度時間匹配。按一下“start”，程式開始運行。如下：

After completing the above operation, click "ready" to enter running operation.

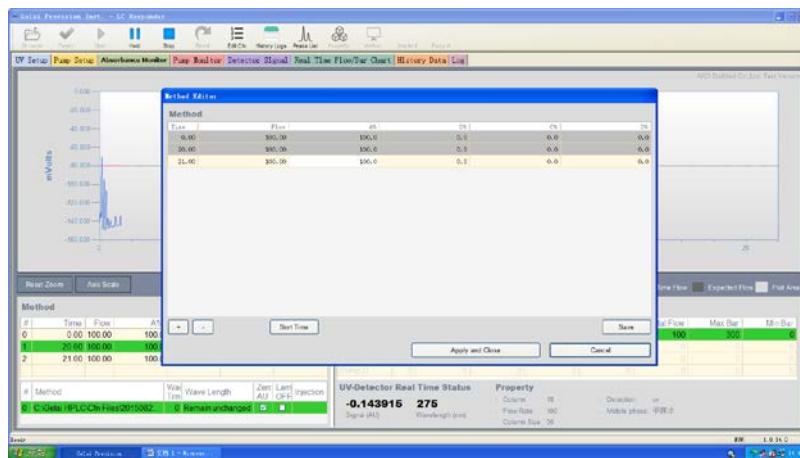
Use "Reset zoom" to restore the window, "axis scale" to set the scales. The time scale automatically matches the gradient time. Click "start", the program starts running, as follows:

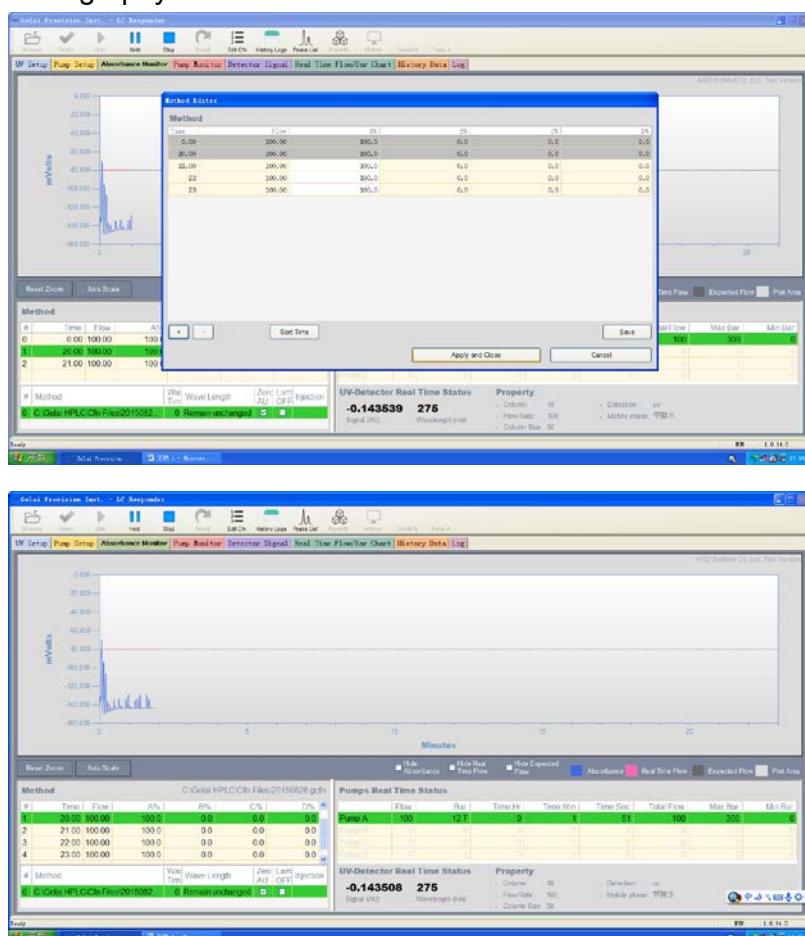




2.3.4 梯度運行過程中按一下“edt cfn”，出現修改運行梯度，在沒有運行的段落可以任意修改、添加、刪除梯度。完成後如需保存修改後的梯度則點擊“save”，如不保存也可直接應用，此時點擊“apply and close”即可。如下：

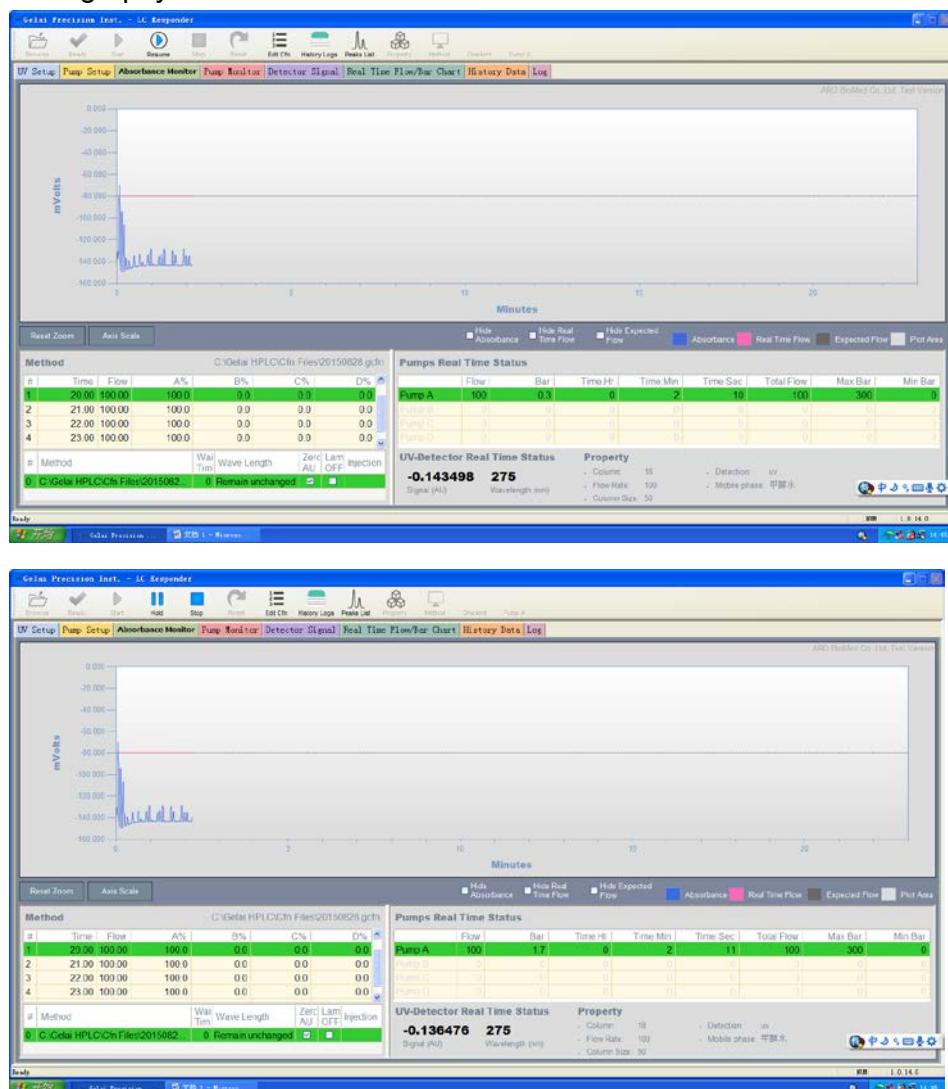
The solvent gradient program sections that is set to run after the current running time, can be appended/modified/deleted by pressing the "edt cfn" that appears to edit for the remaining gradient program sections. When finished editing, click "save" to save the modified gradient program. If not to save, just click "apply and close" to direct application.





2.3.5 運行過程中點擊“hold”，梯度程式和時間程式暫停，此時“hold”變成“resume”，點擊“resume”，程式沿著暫停時程式繼續運行。如下：

Click "hold" while process running will pause the gradient and time program with the "hold" switched to "resume". Click on the "resume", will continue to run from the suspended time position of the program, as follows:



2.4 歷史圖譜的查看。Chromatogram Review.

2.4.1，進入“history date”視窗，從“open date file”打開保存的圖譜文件“1”和“2”，“compared”為圖譜“1”和“2”的對照。

Enter the "history date" window, from "open date file" to open the saved chromatogram file "1" and "2". "compared" is for the comparison of two chromatograms.



2.4.2 注：在圖譜“1”“2”左下方有 5 個分項子窗口，從左往右分別為“圖譜獲取”“圖譜尺規”“列印”“積分選擇”“目錄資訊”，“compared”視窗只有三個子視窗。

Note: There five sub-item-windows udner the left bottom side of the chromatogram "1", "2". They are, from left to right, the "chromatogram acquisition", "chromatogram scale," "Print", "Integration parameter selection" and "directory information", with only three sub-window for the "compared" windows .



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ChengDu GeLai Technology Co.,Ltd.

成都格萊精密儀器有限公司

NO.137, JIAZIDONGDAO, DAYI COUNTY, CHENGDU, CHINA 611330

四川省成都大邑工業集中發展區孟灣東路

電 話(Phone) : 028-88201806/88201866, 傳 真(Fax) : 028-88201866,

Web: <http://www.cdgelai.com>, Email: cdsglp@163.com

The Analytical Based Development Center (ABDC Work Shop)

太陽系分析基礎開發工作室(ABDC)

Zipcode:407, Add: 5th Floor, NO.641, Fu Shun Road, Shi-Tuen District , Taichung City, Taiwan, R.O.C.

407 台中市西屯區福順路 641 號 5 樓, 436 台中市清水區高北里護岸路 140-7 號

Phone: 886-4-24628085, FAX:886-4-22569743,

<http://www.chromnet.net/> , http://chromnet.net/PreparativeDACHPLC_English.aspx

http://chromnet.net/Product%20Atlas_Preparative%20Chromatography%20Systems.aspx

Email: service@chromnet.net

LINE:service.abdc, SKYPE: skypeabdc, Twitter: ttabdc, WeChat: wcabdc