#### NMDT\_0065

### How to Pick Peaks in 2D Spectra

This issue of Delta Tips shows how to pick peaks in 2D spectra in the **2D Viewer** window.

#### Automatic Peak Picking:

Click the local button to automatically pick the peaks which are above the peak threshold level.

Manual Peak Picking:

① Click the \land button. Note that the cursor has changed into the Peak symbol 父 .

2 Click the 2D data with the cursor.

It is possible to pick the peaks which are above the peak threshold level.





If you try to select this peak, an **Inform** dialog box appears and the peak is ignored.





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It is possible to set the peak threshold level manually as follows.

- A. Using the Level Tool:
- ① Push and hold the right mouse button on the 2D data to display the context menu.
- ② Select Level Tool to display the Level Tool window.
- ③ Push and hold the right mouse button in the **Level Tool** window to display the context menu of the **Level Tool** window.
- (4) Select Statistics in the context menu of the Level Tool window.



(5) Select a point in the (5) area in the Level Tool window to set the peak threshold level.









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④ Click the button or the button (please see page 1) to pick peaks which are

#### above the threshold level.



Picked peaks in the 2D spectrum after resetting the threshold level

★ The projection data display full projection as default. It is possible to display the projection data of the currently displayed area as follows: Zoom your 2D data and select **Project** — **Partial** in the **2D Viewer** window.



#### Full projection data (projection of entire 2D spectrum)







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★ Details for all picked peaks can be summarized in the Spread Sheet window as follows: Select Analyze — Peak Spreadsheet to open the Spread Sheet window.

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★ For the details of the Spread Sheet window, refer to Delta Tips Spread Sheet (Part 1) and Deconvolution Function (⇒NMDT\_0008 and 0059).

