## Delta Tips

## NMDT\_0061 Normalization of Integral Values

In Delta software, it is possible to normalize the integral intensity of selected peaks.



Normalization

1 Click the **Integral** button  $\fbox{1}$  in the data window.

The cursor has changed into the Integral symbol f .

② Select an integral by clicking on the integral curve with the 🕴 cursor.



③ Input a normalization value into the **Normal** input box in the **Options** panel and hit the **ENTER** key. Note that the integral intensity has been normalized.

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3	Normal	1	qNMR				<u> </u>
	X Ref	7.26[ppm]	0	0.0 8	1 1		
	X Start	5.34[ppm]					
	X Stop	4.52[ppm]					
				.0 4.9	4.8 4.	7 4.6	

NMR data processing software Delta NMR Software v5.0

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All normalized integral intensity values can be found in the **Normal** column of the **Spread Sheet** table.





★ How to perform this action in the Data Slate window Select the Integral Normal input box and set the normalization integral value. If you cannot see the Integral Normal input box, you need to activate it as follows: Select Options—Show Option Bar in the Data Slate window.



## Delta Tips



★ It is possible to normalize the integral intensity of several peaks with the normalization value which corresponds to the sum of integral values of the selected peaks.

(5) Click the Select button  $\mathbb{N}$  and select the peaks with the Select symbol  $\mathbb{R}$  cursor.

Note that the integrals have been highlighted as in the figure below.



**(6)** Input the normalization value into the **Normal** box in the **Options** panel and hit

the ENTER key. The integral intensity values have been normalized.



The sum of the integral values of all the selected peaks was normalized to the normalization value which you set.





The sum of all integral values was normalized to 6.

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