

# binspec

May 18, 2016

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binary_peaks	<i>Find binary peaks</i>
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## Description

Find peaks in window of size  $2 \times \text{neighbors} + 1$  and label m/z integers within the error as peaks. Returns vector of peak m/z integers.

## Usage

```
binary_peaks(df, neighbors, error = 0)
```

## Arguments

df	Data frame of m/z and intensities
neighbors	Number of neighboring m/z values to compare on right and left
error	m/z Decimal error value

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combine_peaks	<i>Combine peak vectors</i>
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## Description

Create a binary matrix, each column represents an m/z value, and each row represents a mass spectra. The value indicates whether or not the m/z of this spectra is a peak.

## Usage

```
combine_peaks(list_mz_peaks)
```

## Arguments

list_mz_peaks	List of m/z peak vectors
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`round_df`*Round data frame*

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**Description**

Round all m/z and intensity values to integers.

**Usage**

```
round_df(df)
```

**Arguments**

<code>df</code>	Data frame
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