

Supplementary File 1

Identification of RNA Fragments Resulting from Enzymatic Degradation Using MALDI-TOF Mass Spectrometry

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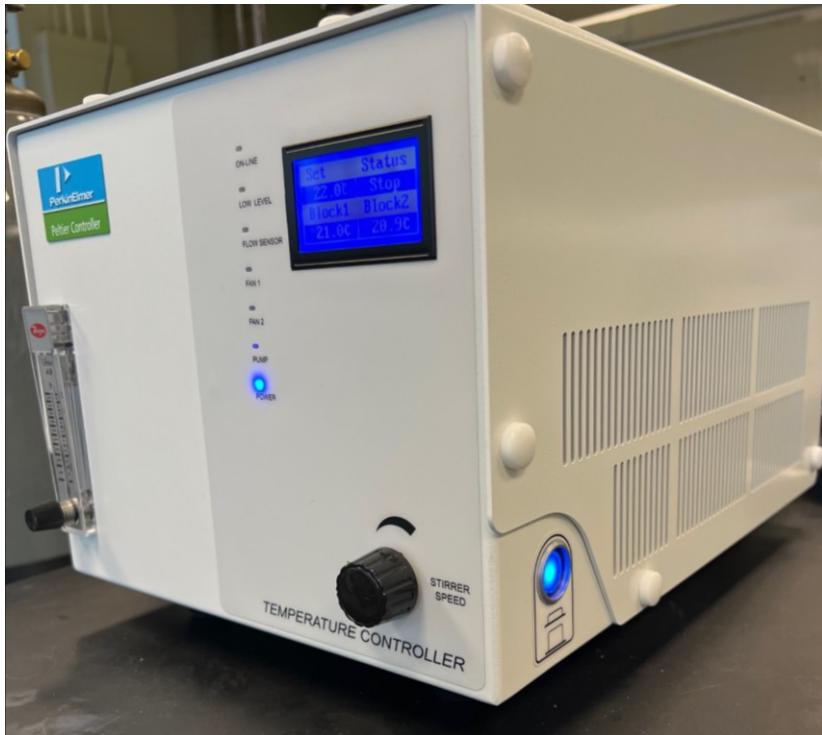
Page	Topic Description
S1–S7	UV-vis spectrophotometer usage (Steps 1.2.1 – 1.2.10)
S8–S23	Data acquisition (Steps 4.1.1 – 4.1.4.5)
S24–S30	Data processing (Steps 4.2.1 – 4.2.10.3)

Step 1.2: UV-vis spectrophotometer usage

Step 1.2.1



Step 1.2.2

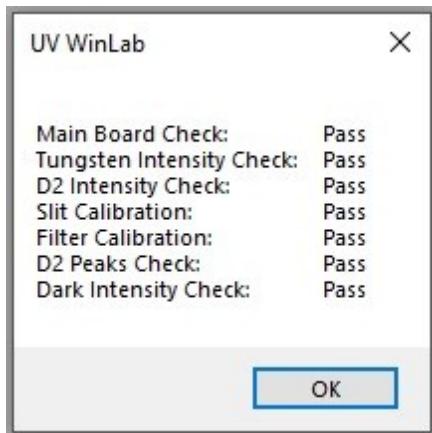
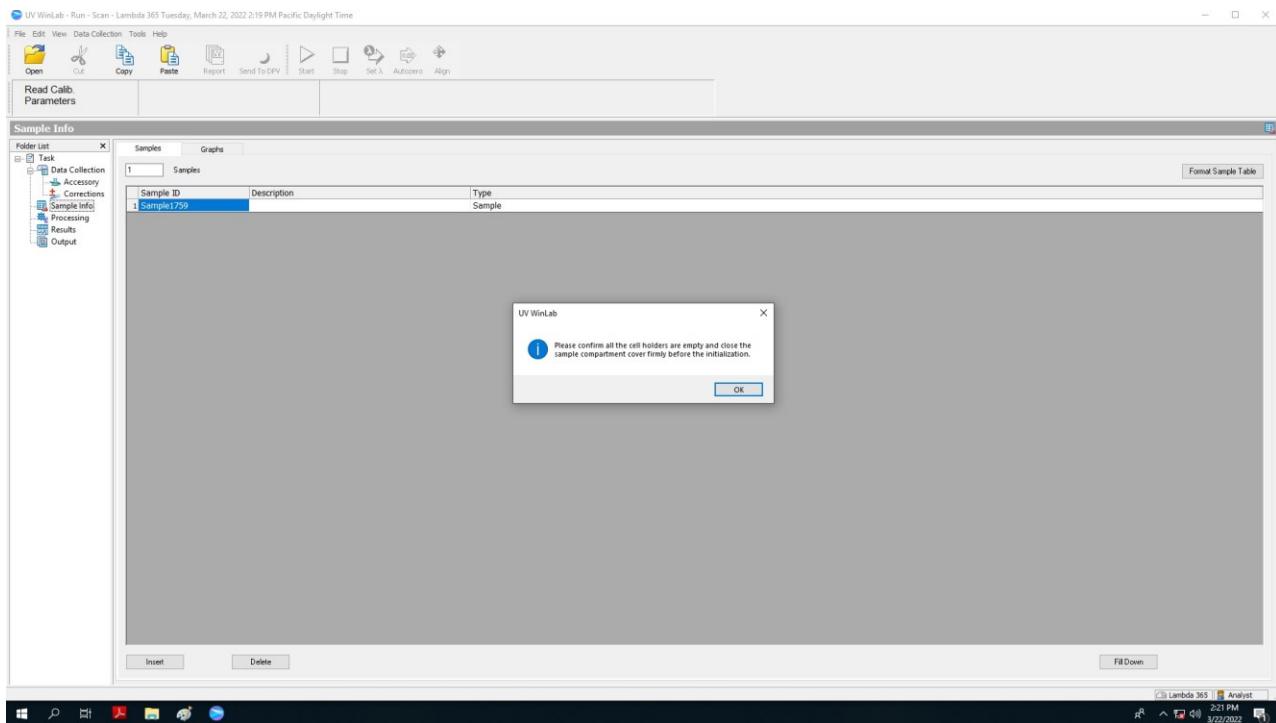


Step 1.2.3

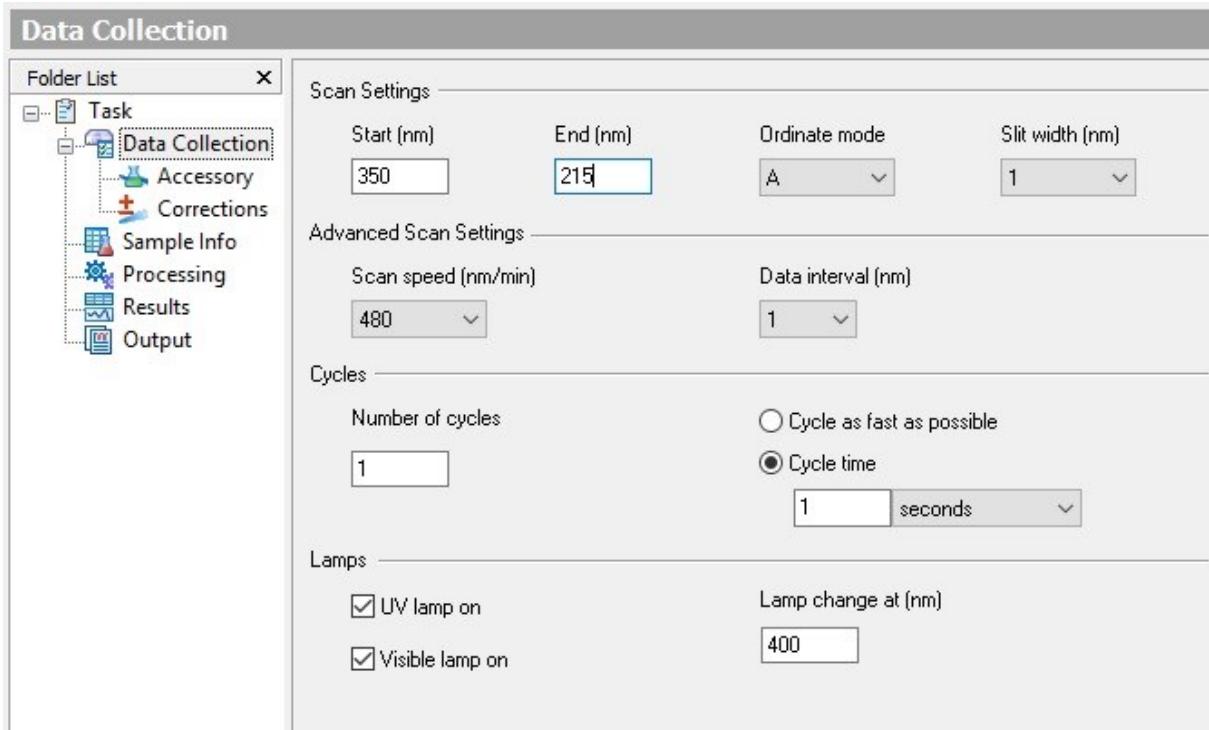
A screenshot of the UV WinLab Explorer software interface. The window title is "UV WinLab Explorer". The menu bar includes File, Edit, View, Tools, Help, and a toolbar with icons for New, Cut, Paste, Delete, Manual Control, and Views. The main area is divided into two panes. The left pane, titled "Methods", shows a tree view of project files: "Base Methods", "Scan - Lambda 365", "Timedrve - Lambda 365", "Wavelength quant - Lambda 365", "Scanning quant - Lambda 365", and "Wavelength program - Lambda 365". The right pane displays a table of items with columns: Name, Modified on, Status, Modified by, and Type. The table contains the following data:

Name	Modified on	Status	Modified by	Type
Service Methods	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Public folder
Example	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Public folder
Scan - Lambda 365	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Scan
Wavelength program - Lambda 365	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Wavelength
Scanning quant - Lambda 365	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Scanning
Wavelength quant - Lambda 365	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Wavelength
Timedrve - Lambda 365	Friday, October 9, 2020 10:51 AM Mountain Daylight Time		Administrator	Timedrive

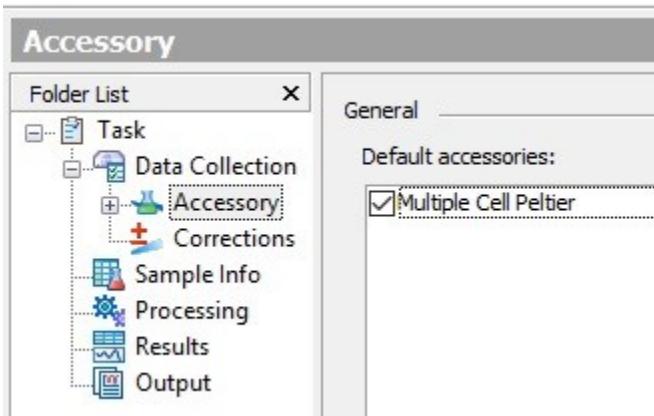
Step 1.2.3 (continued)



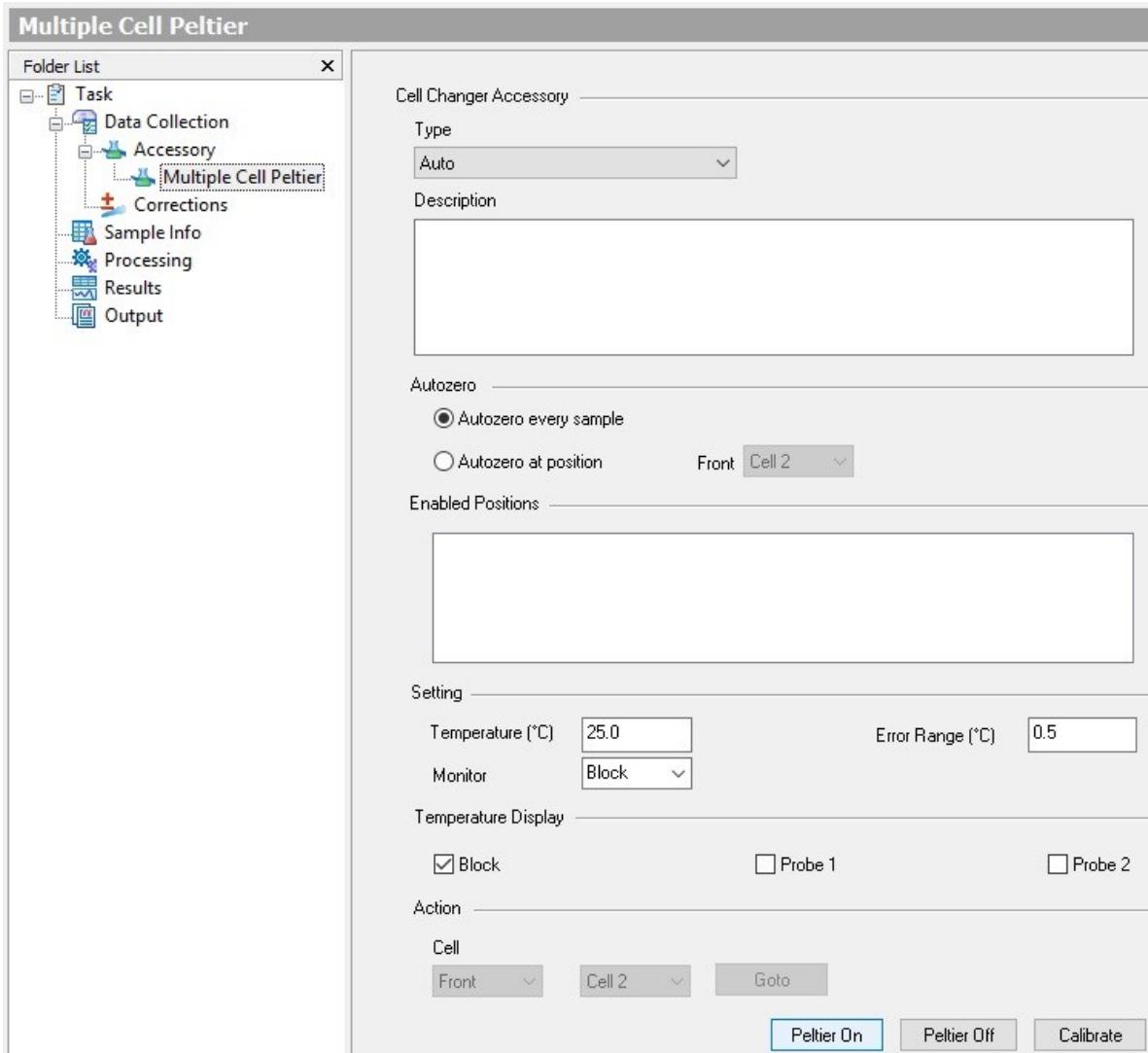
Step 1.2.4



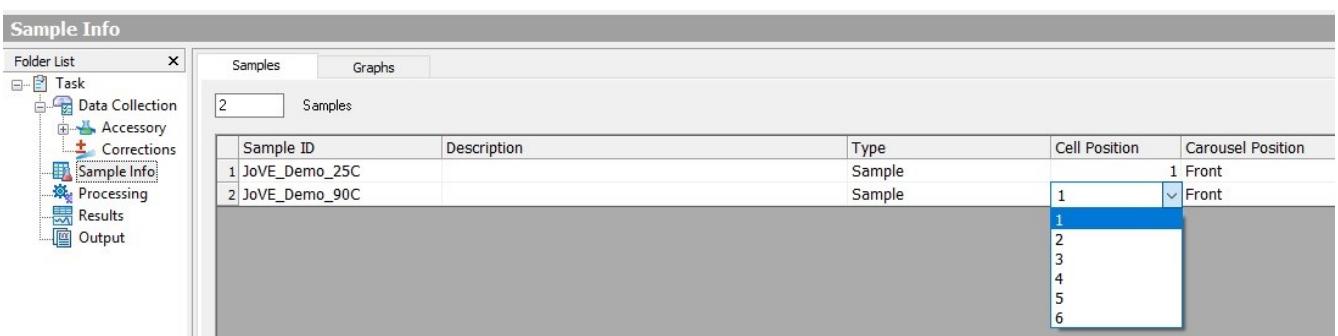
Step 1.2.5



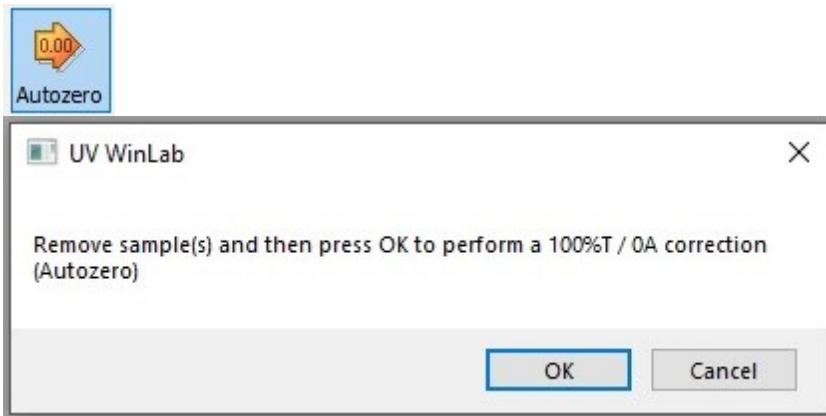
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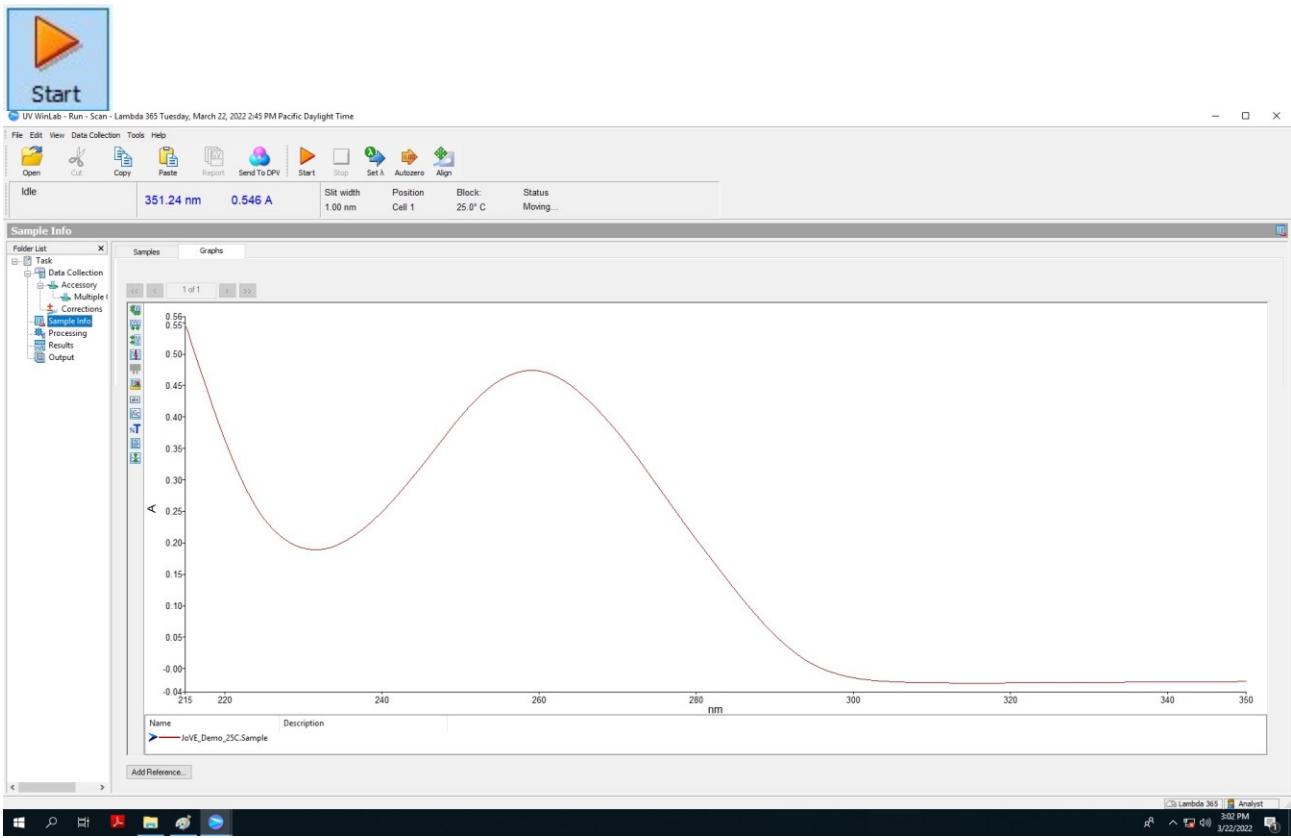
Step 1.2.6



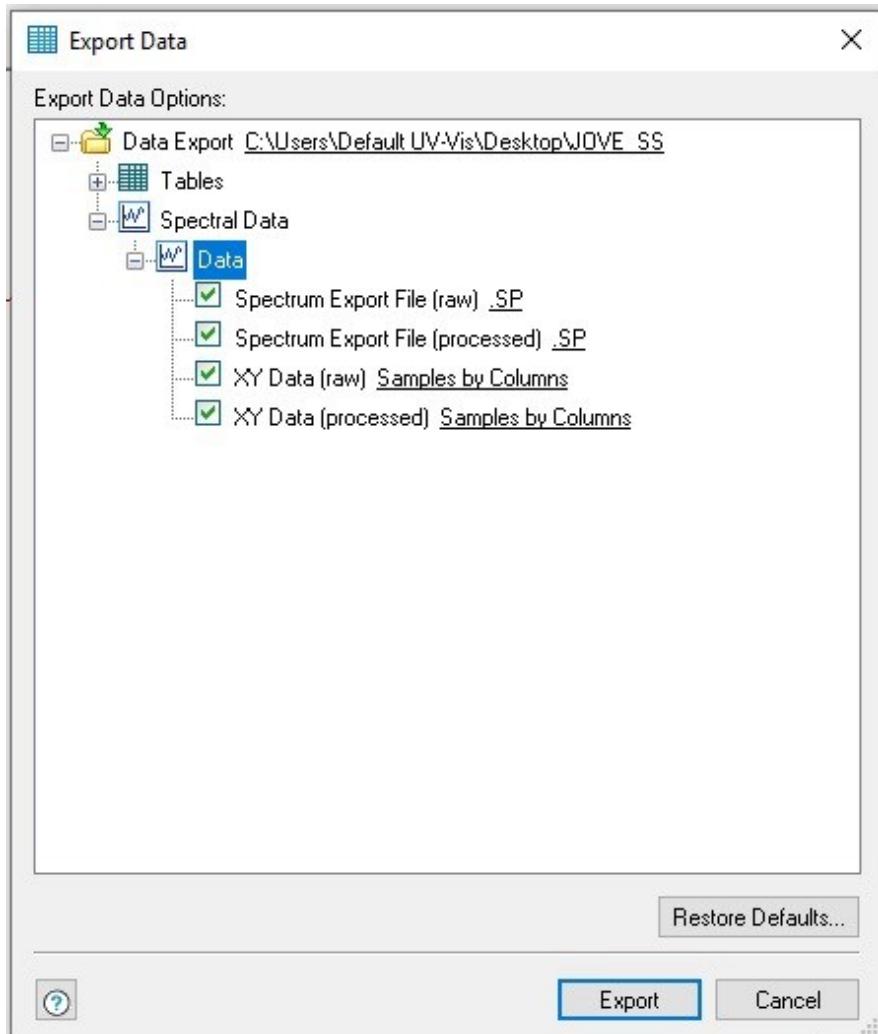
Step 1.2.7



Step 1.2.8

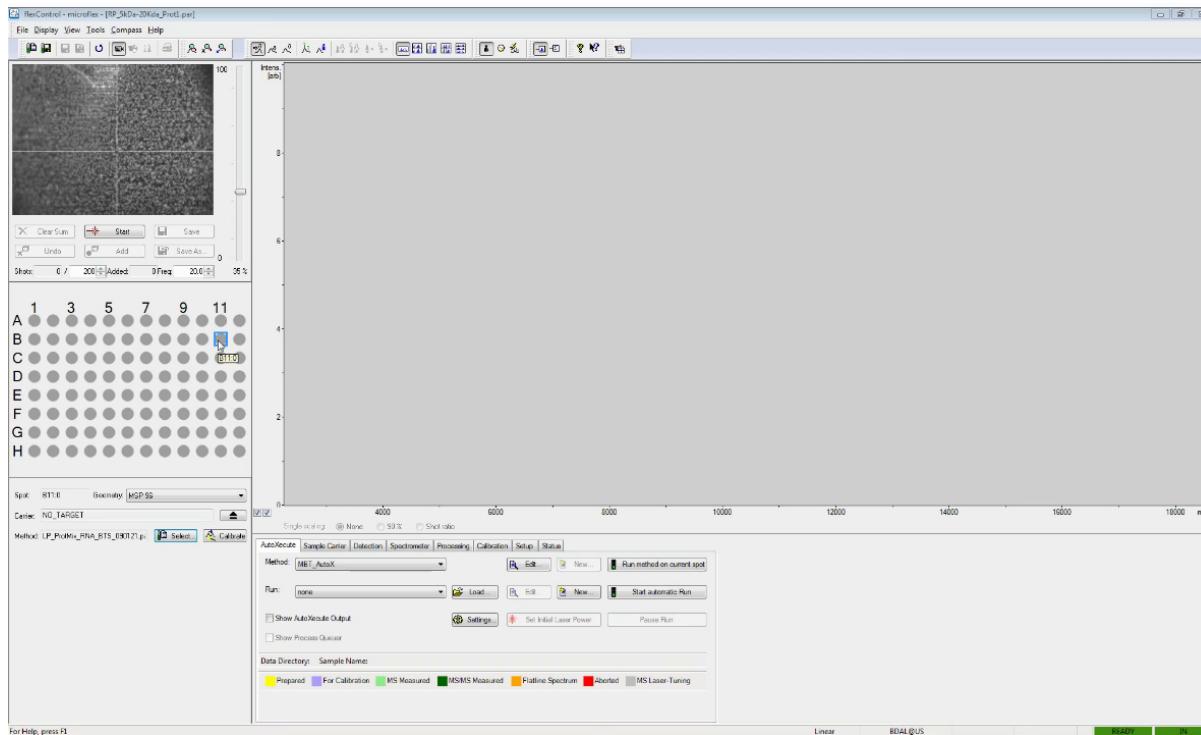
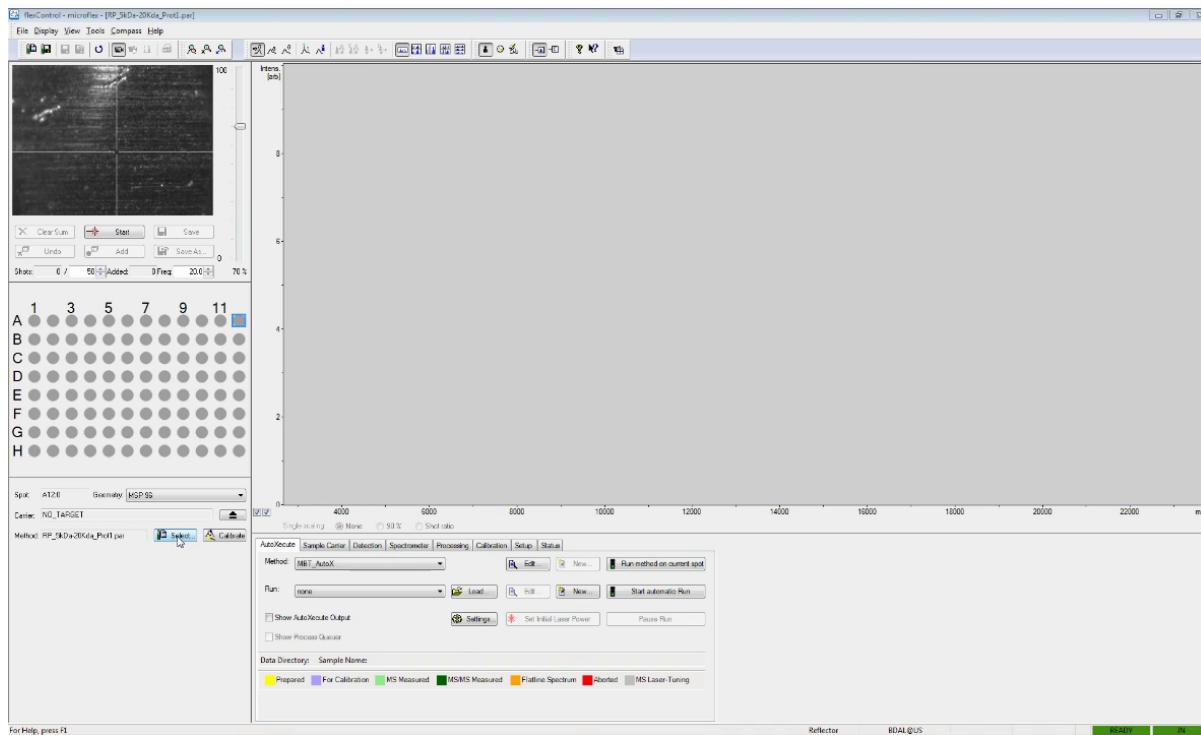


Step 1.2.10.

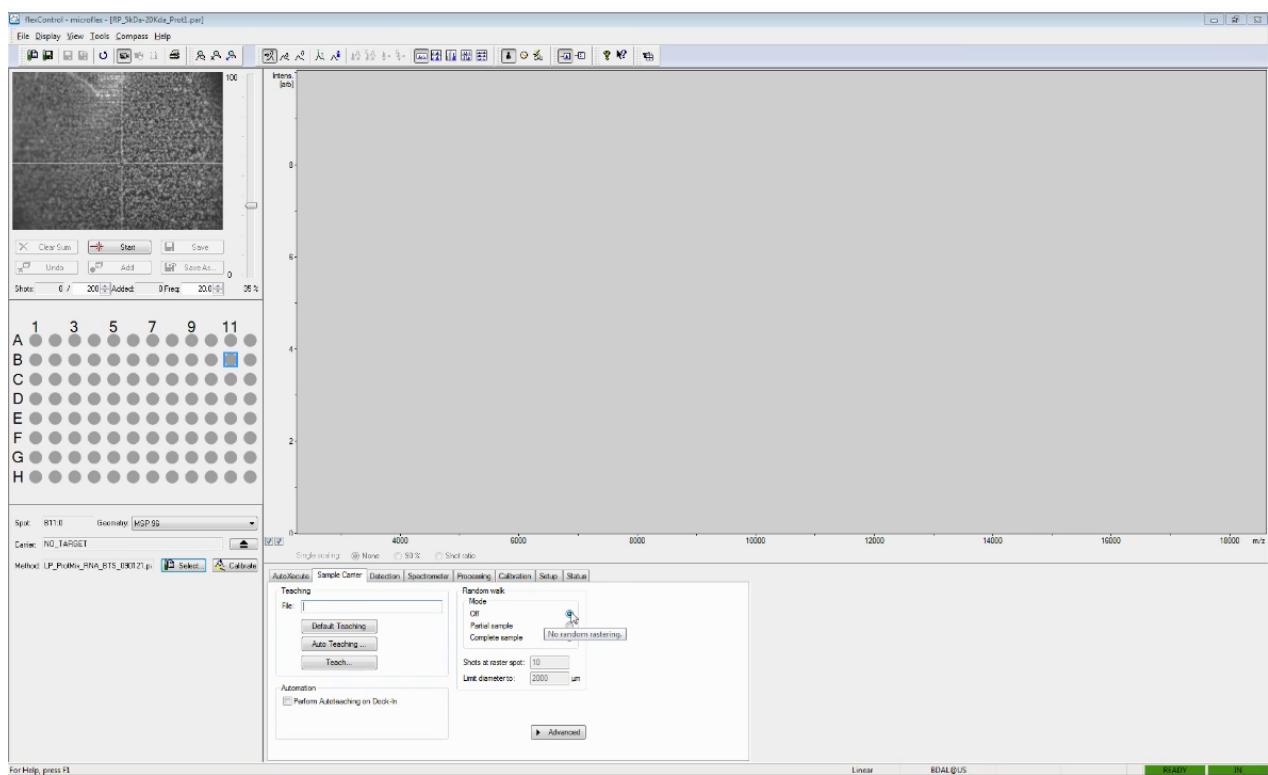
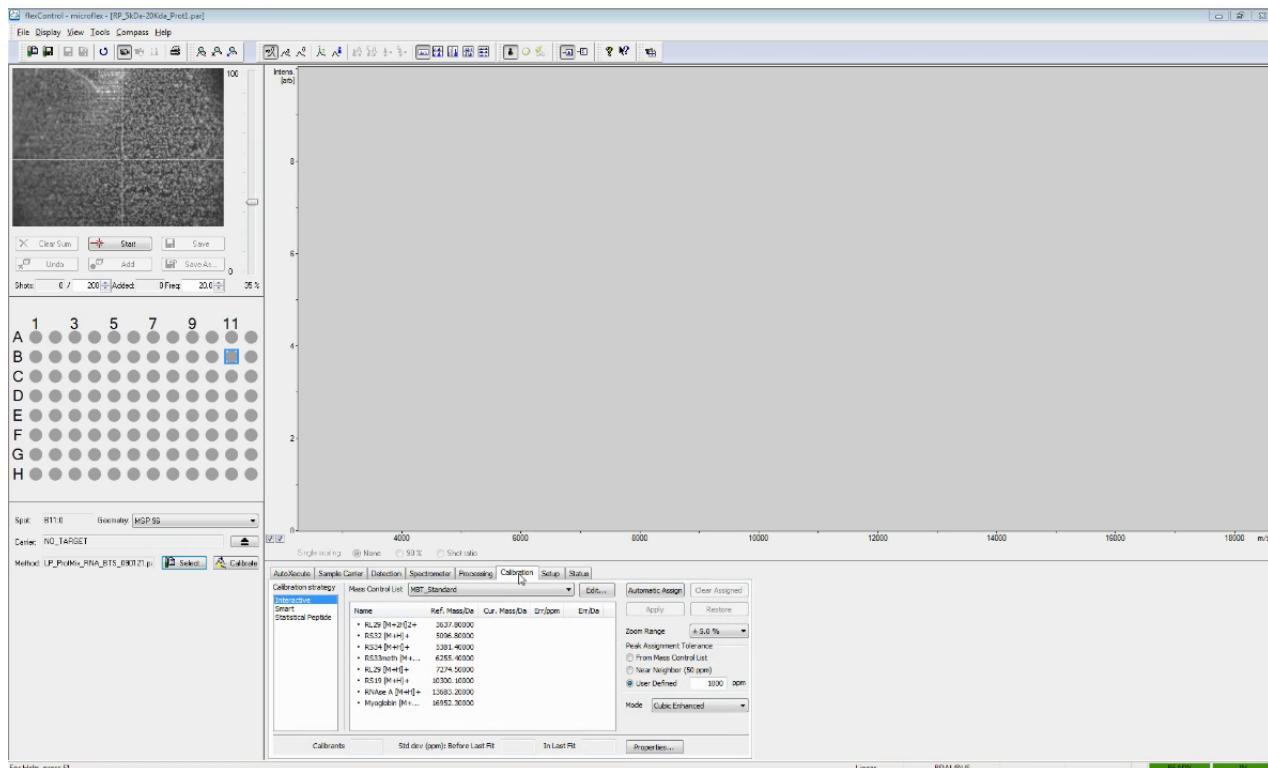


Step 4: Data acquisition and processing

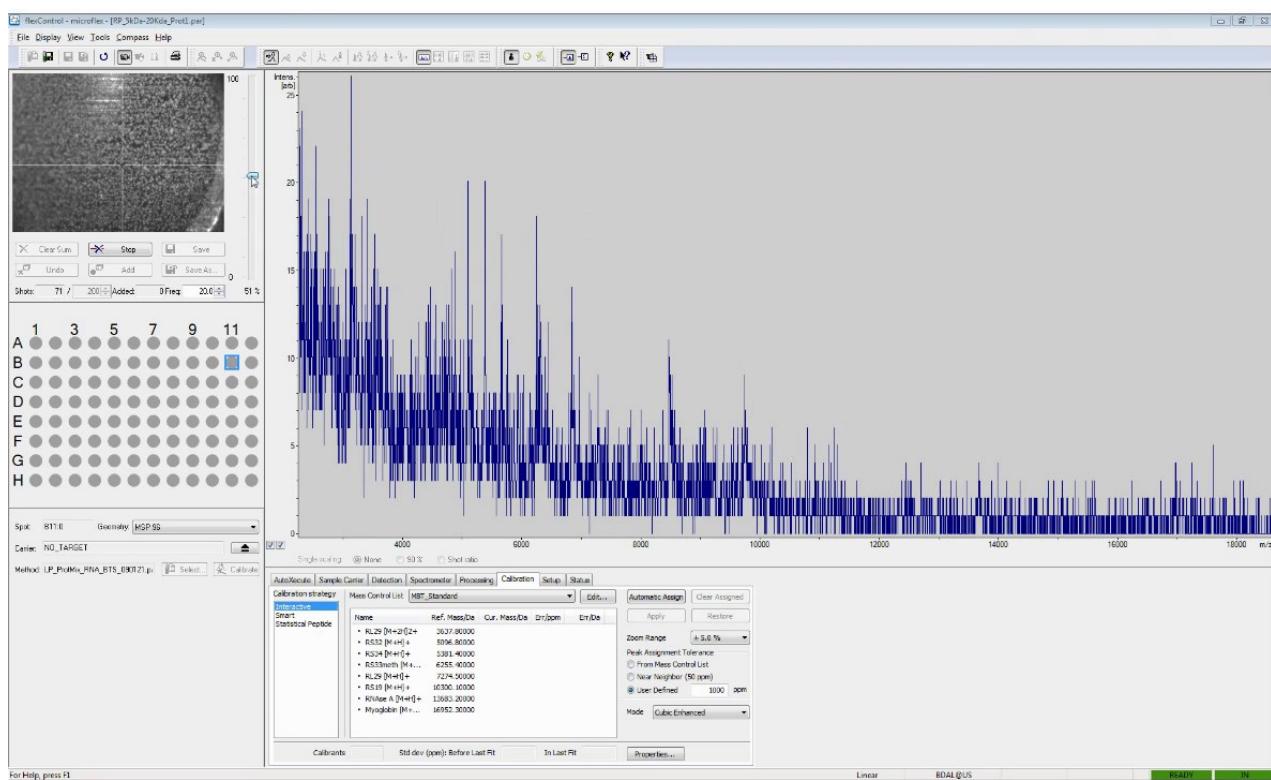
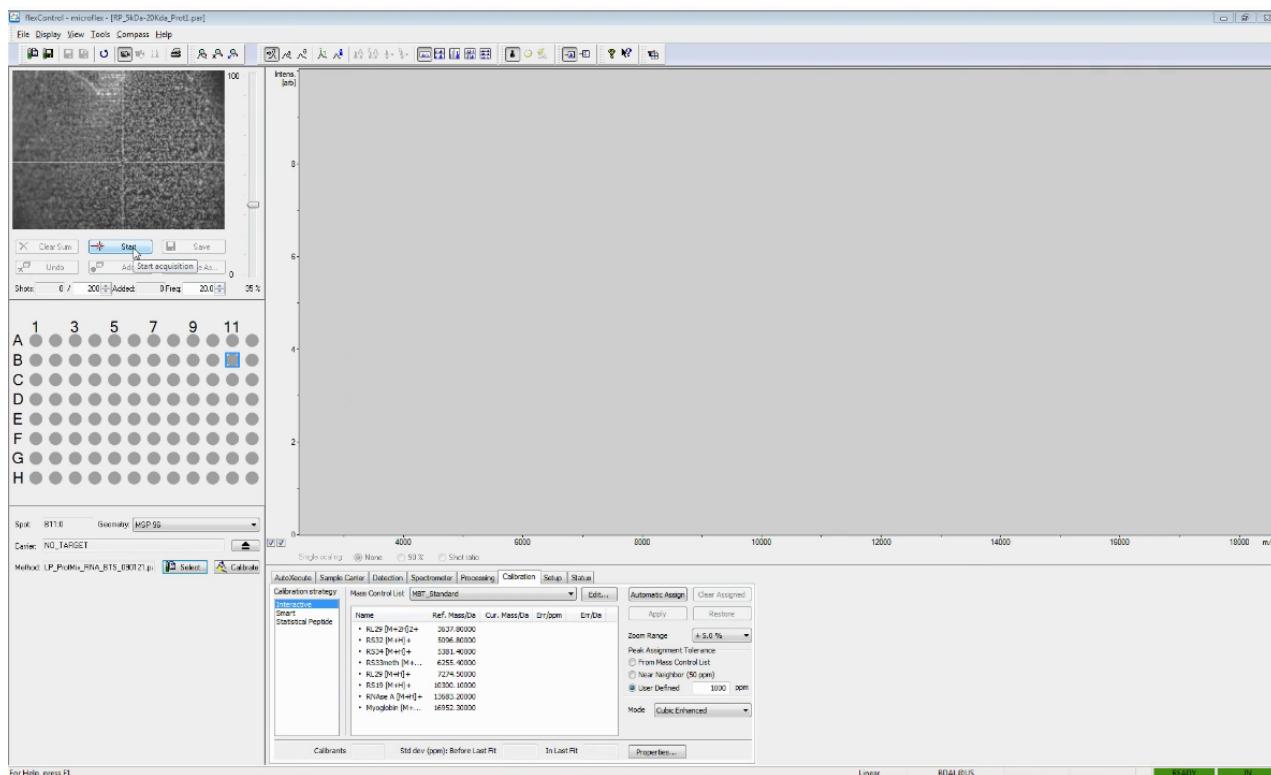
Step 4.1.3.1



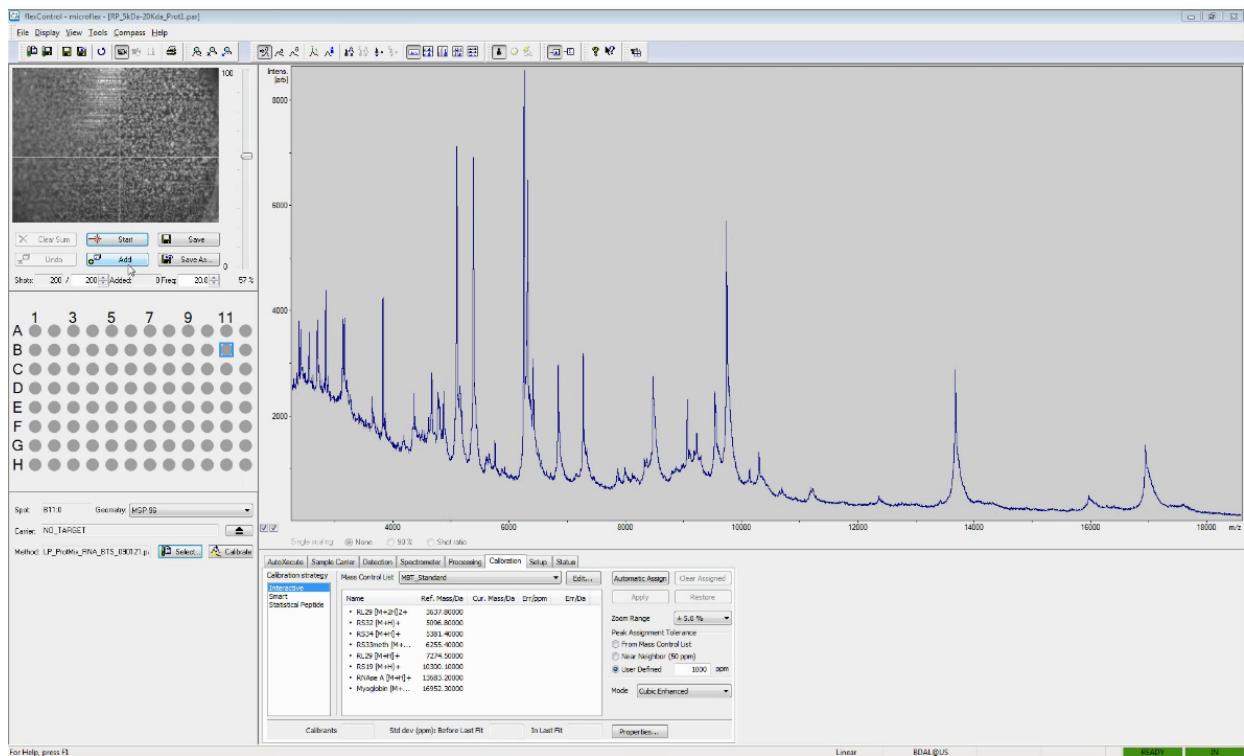
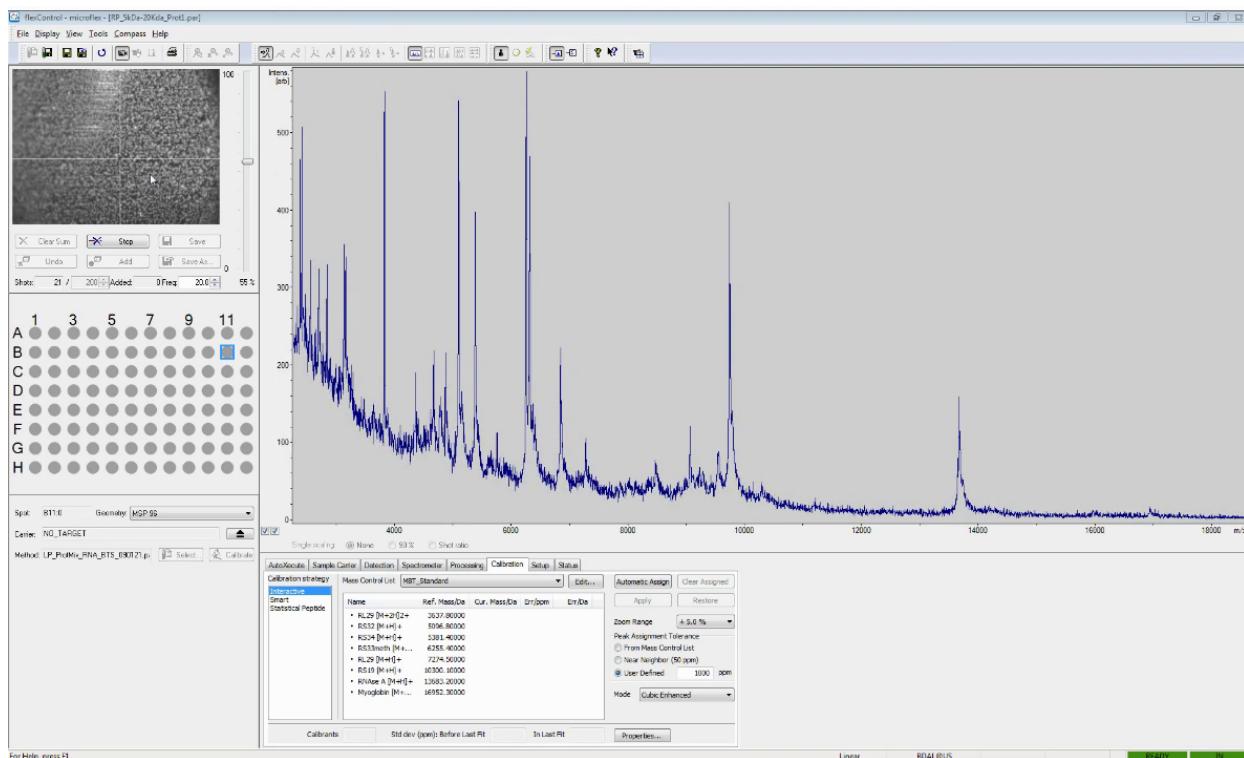
Step 4.1.3.1 (continued)



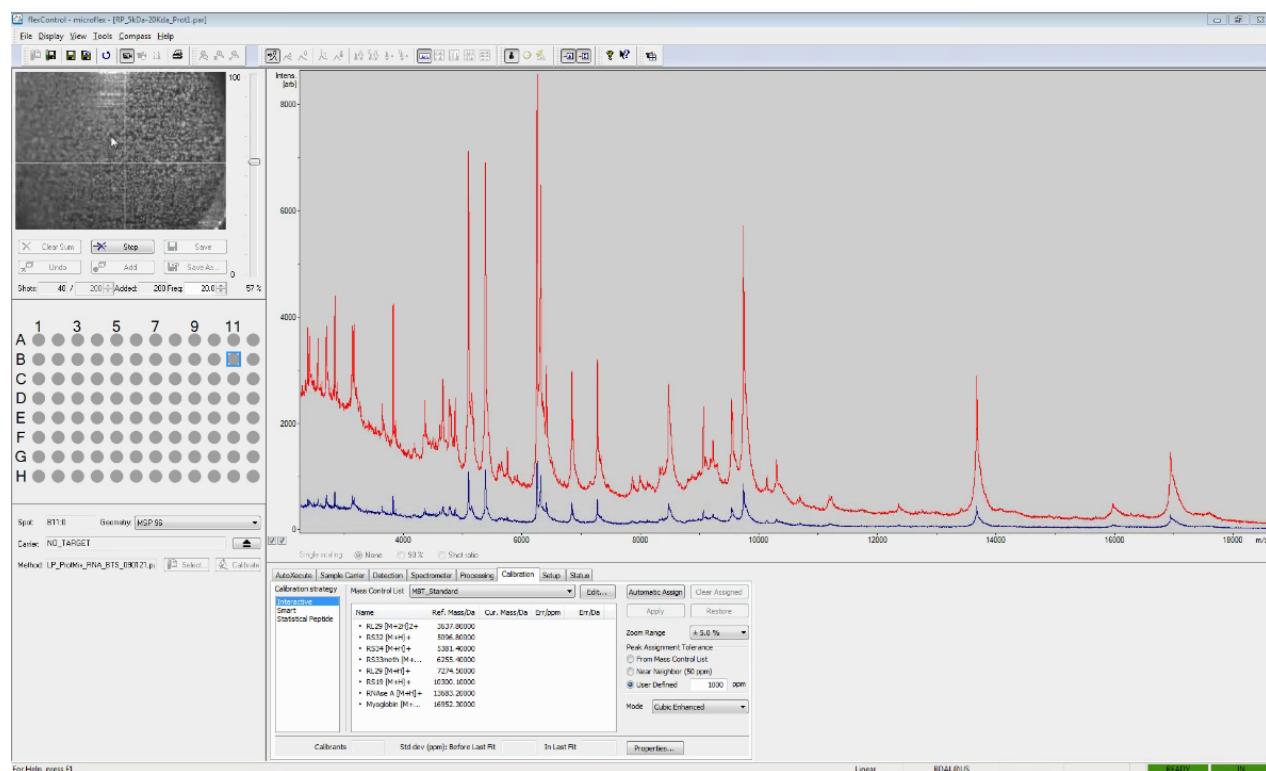
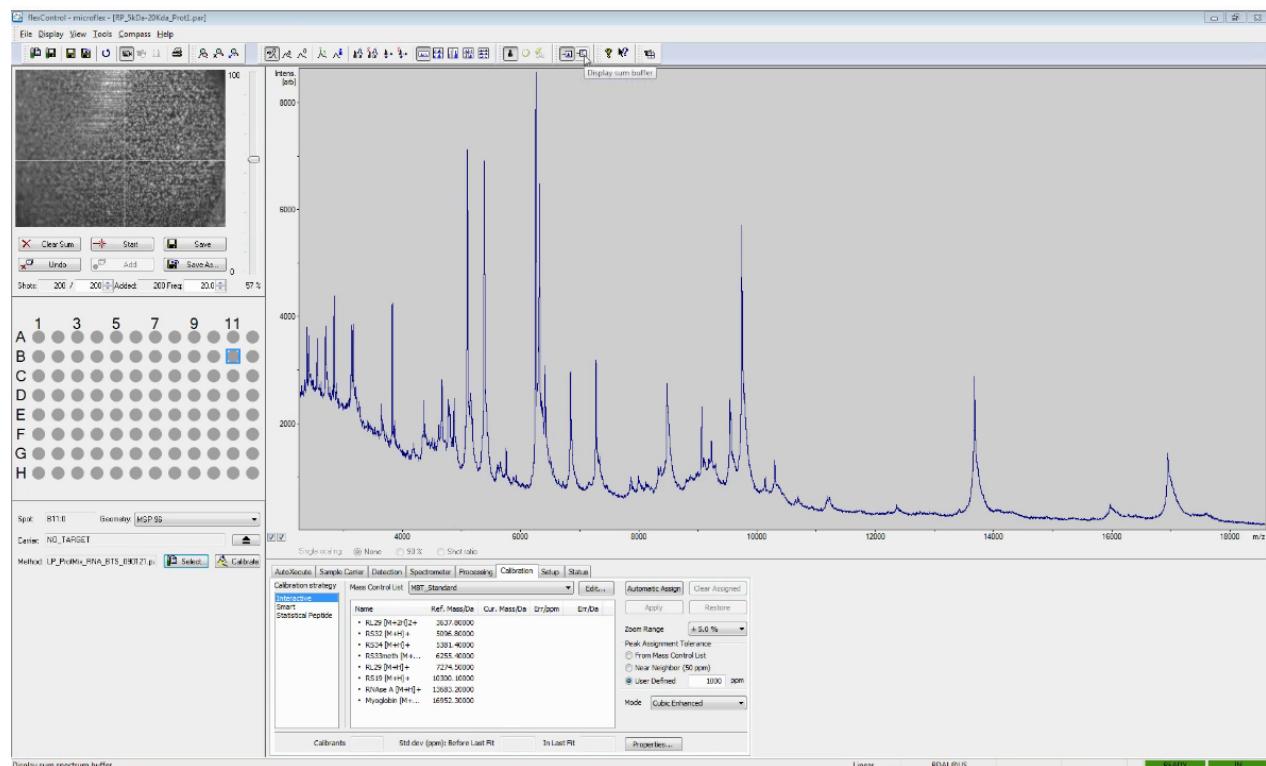
Step 4.1.3.2



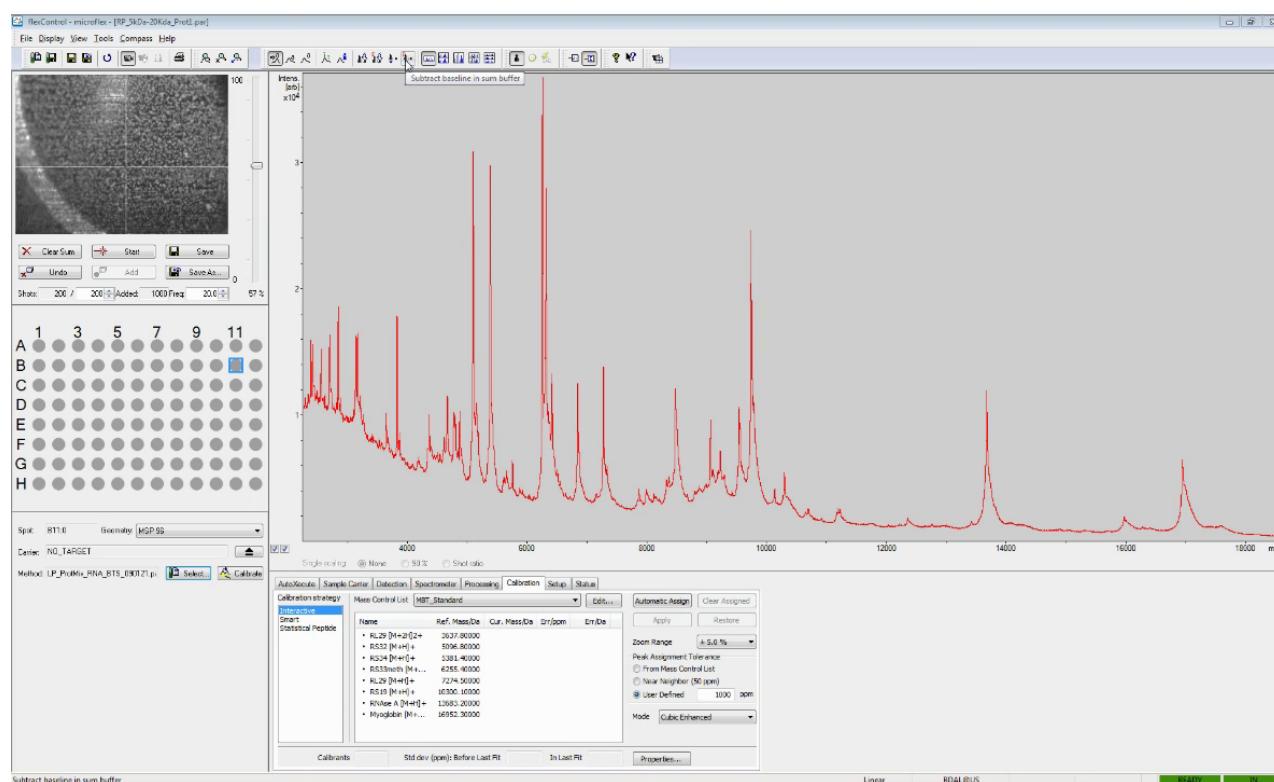
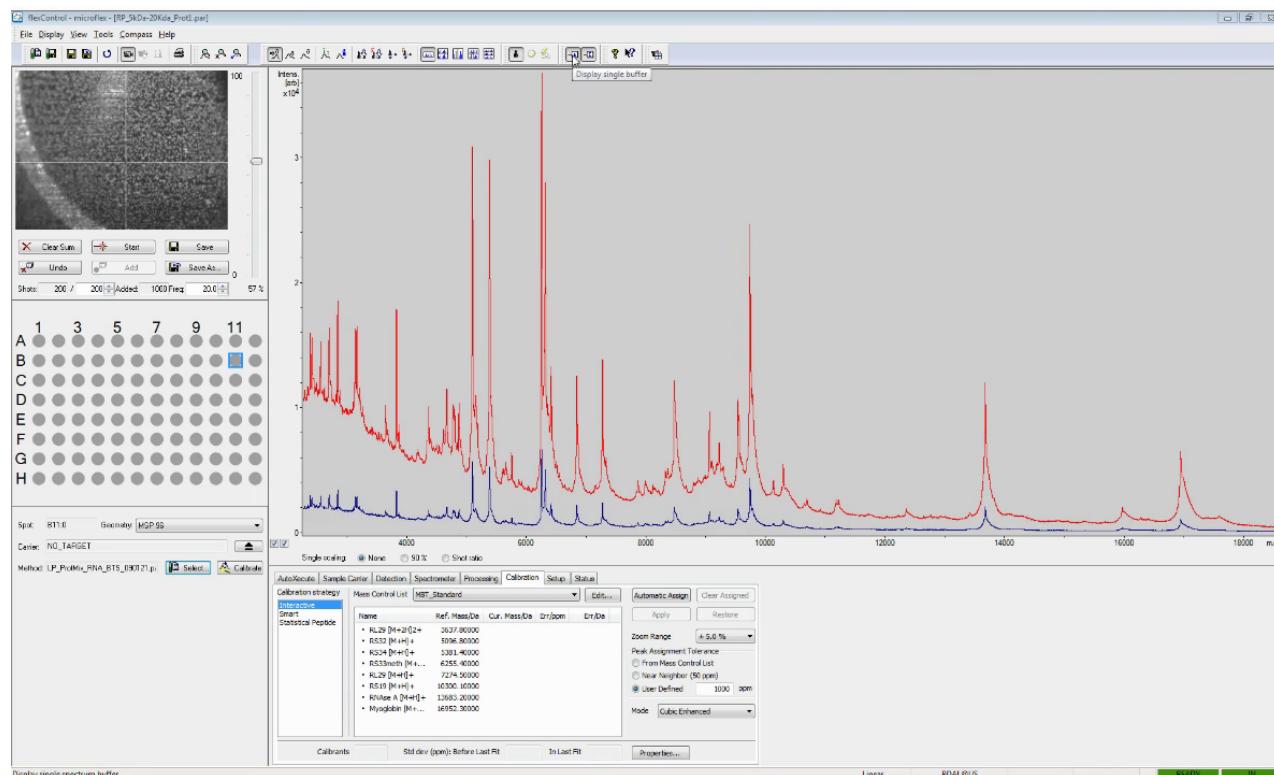
Step 4.1.3.2 (continued)



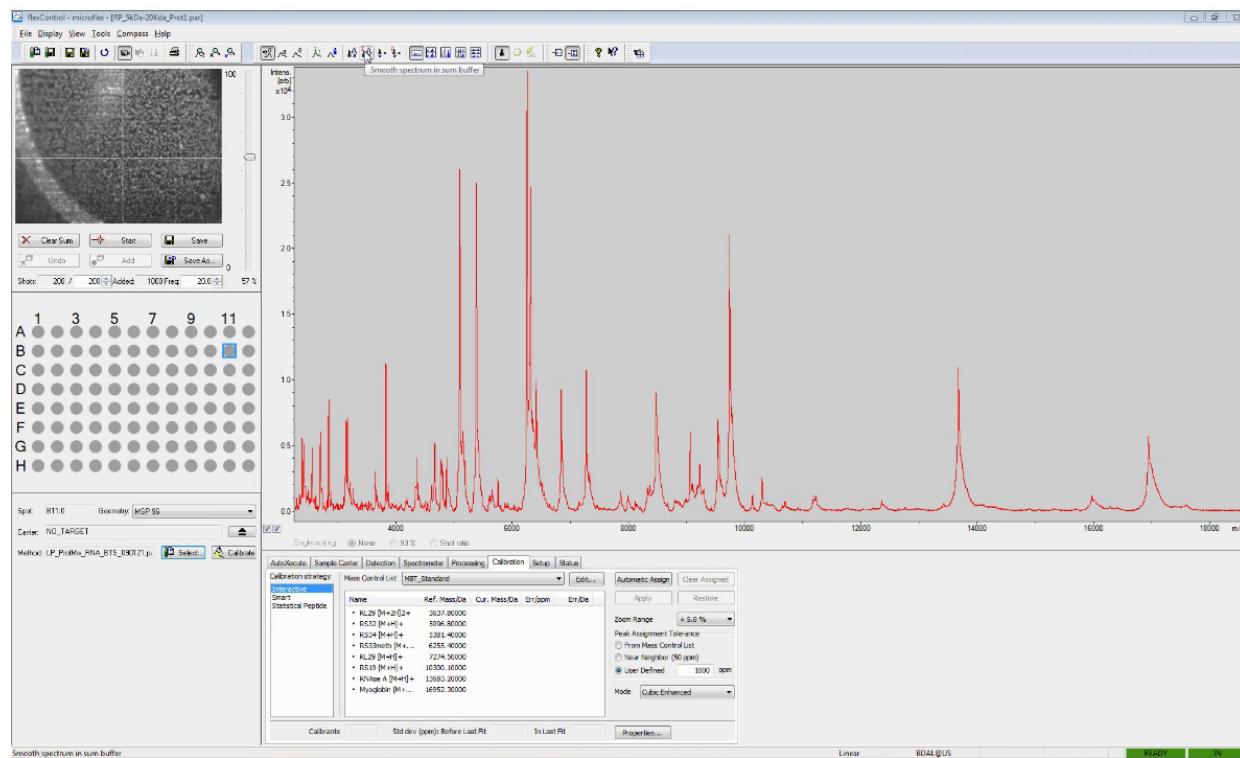
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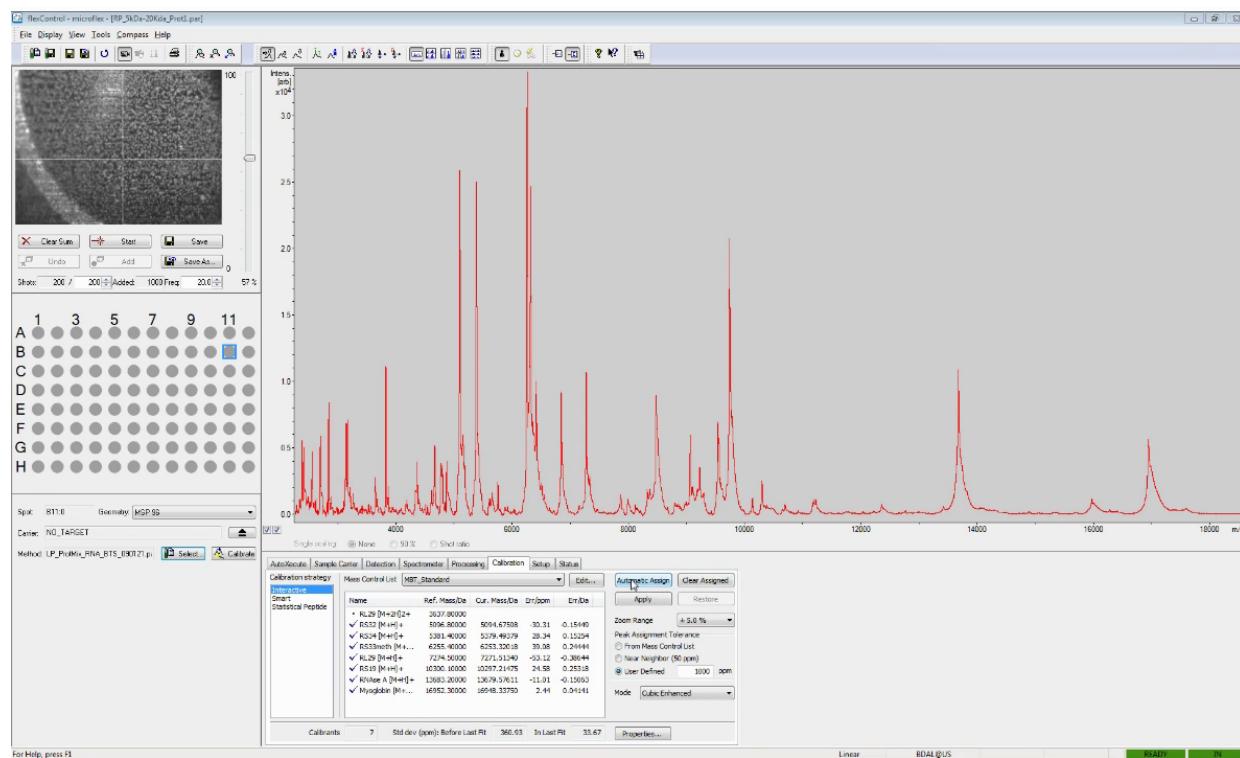
Step 4.1.3.2 (continued)



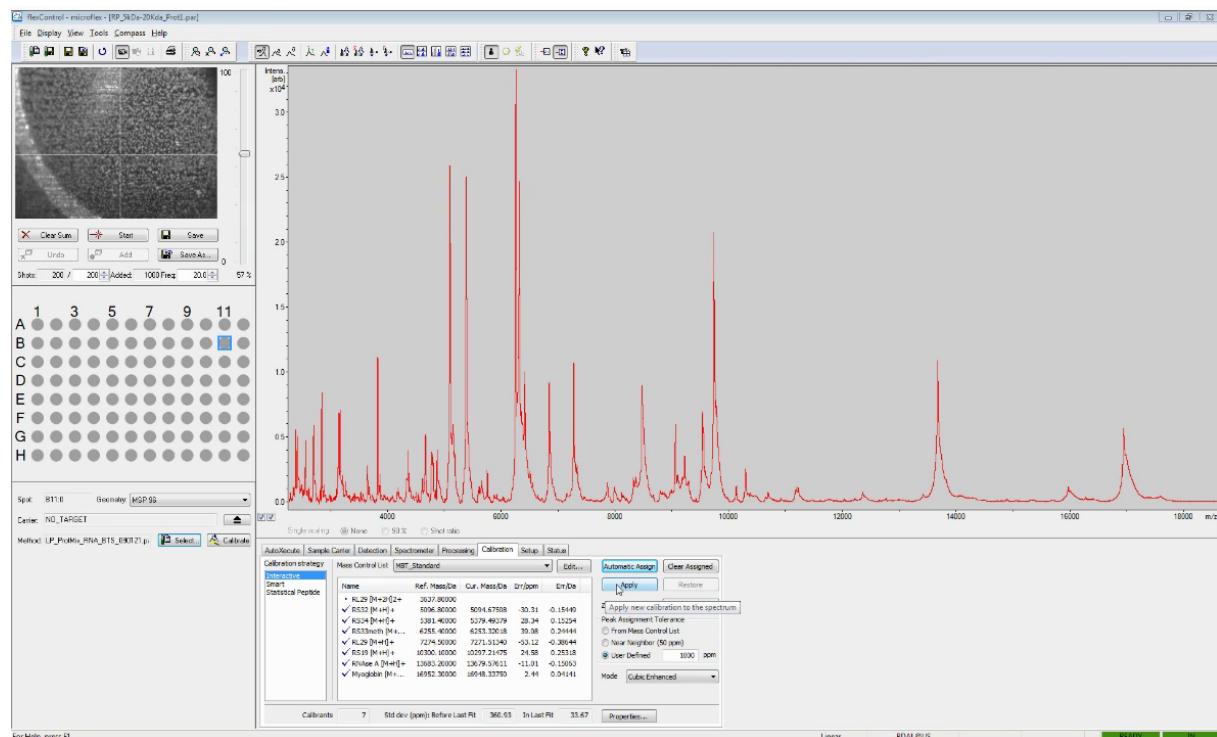
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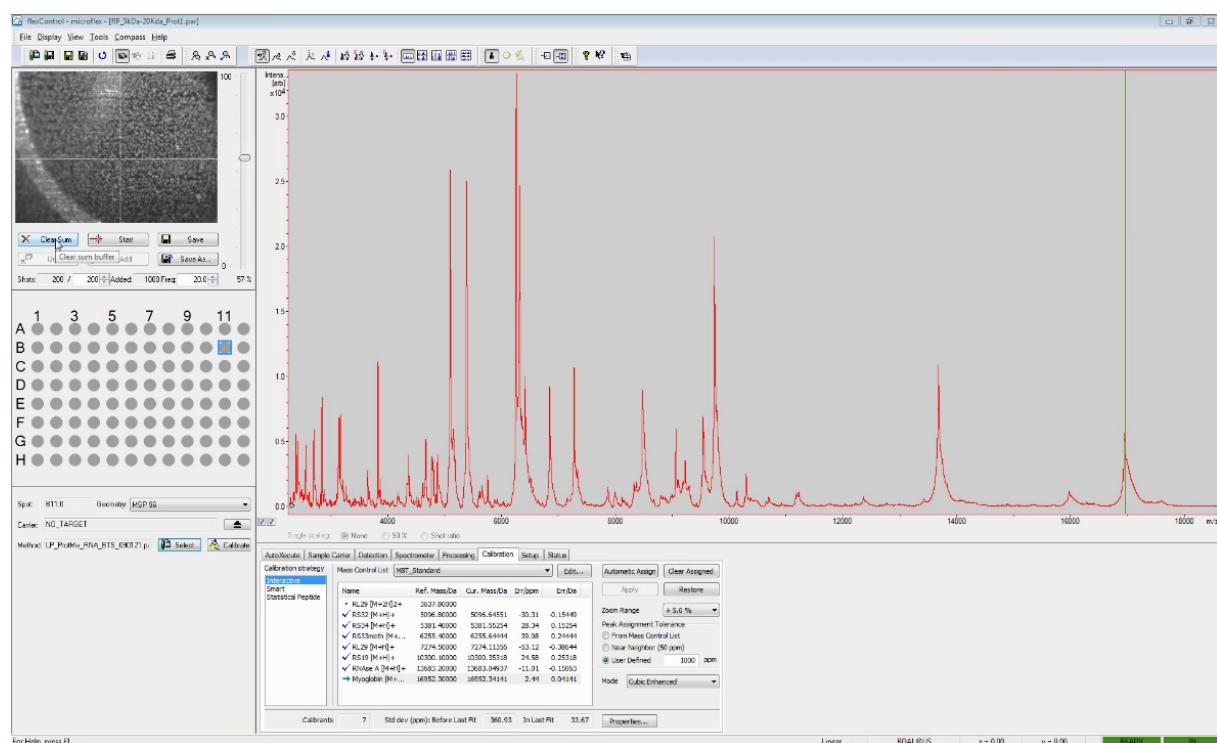
Step 4.1.3.3.



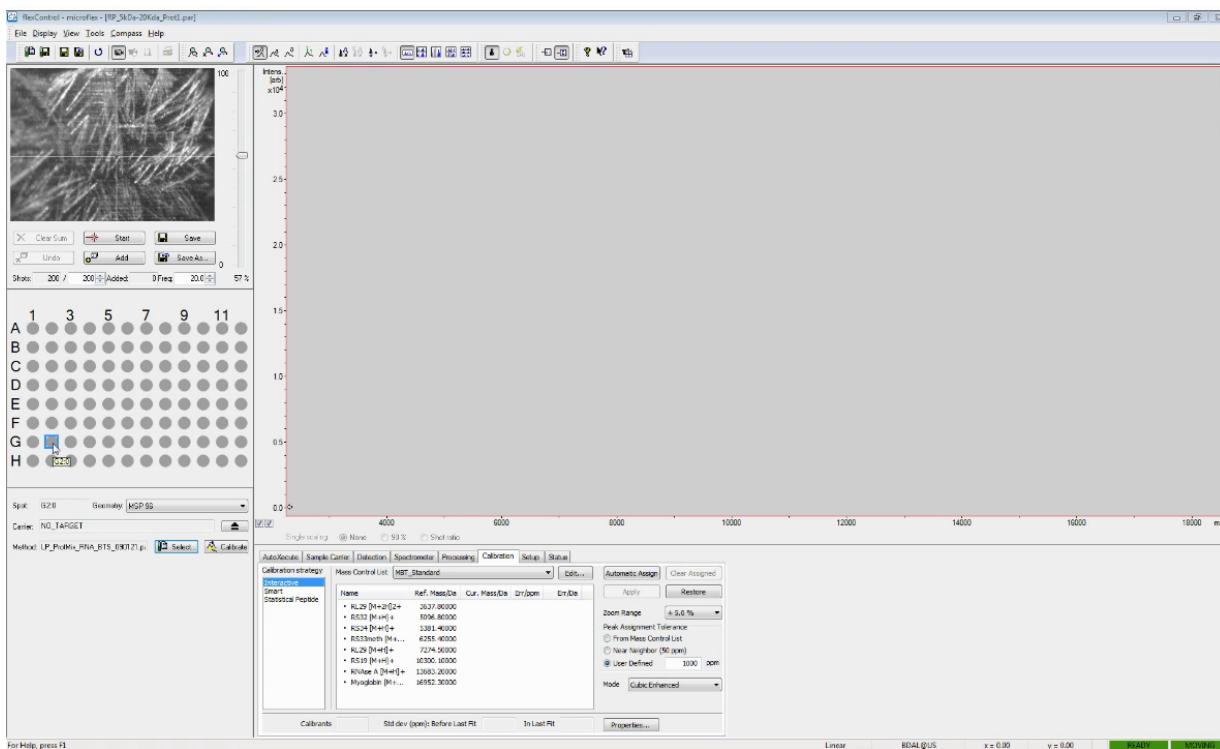
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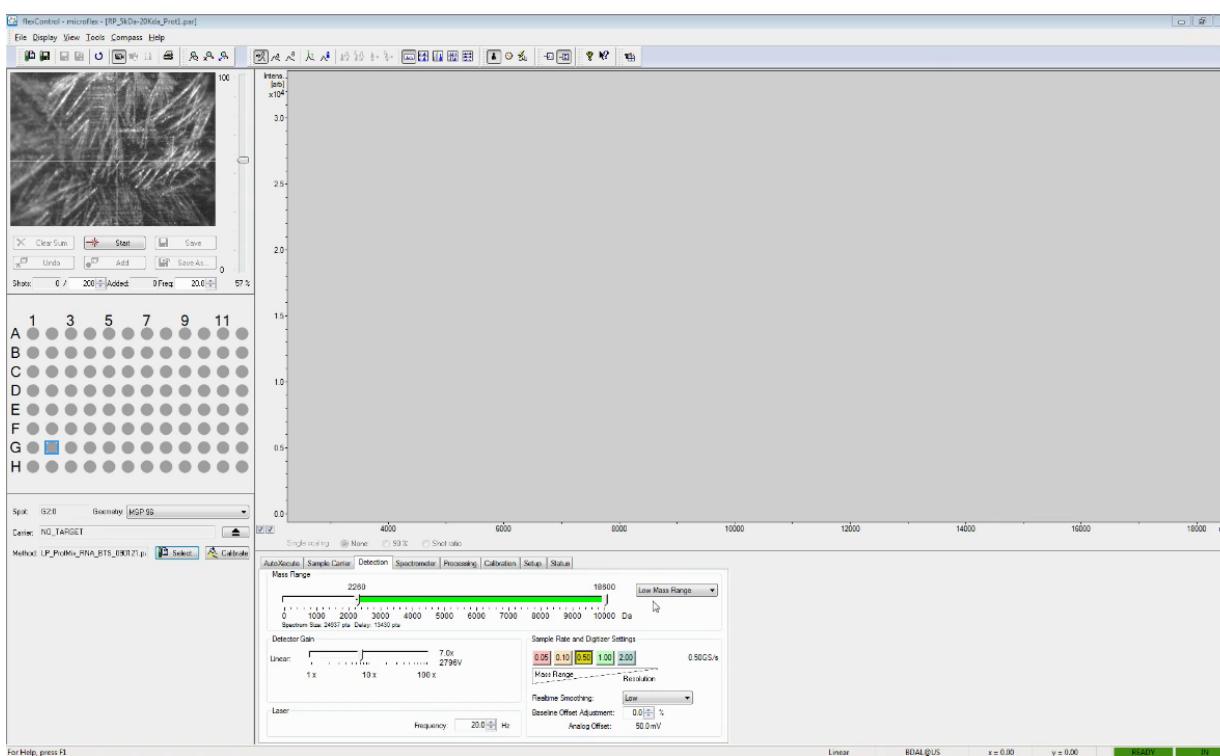
Step 4.1.3.4



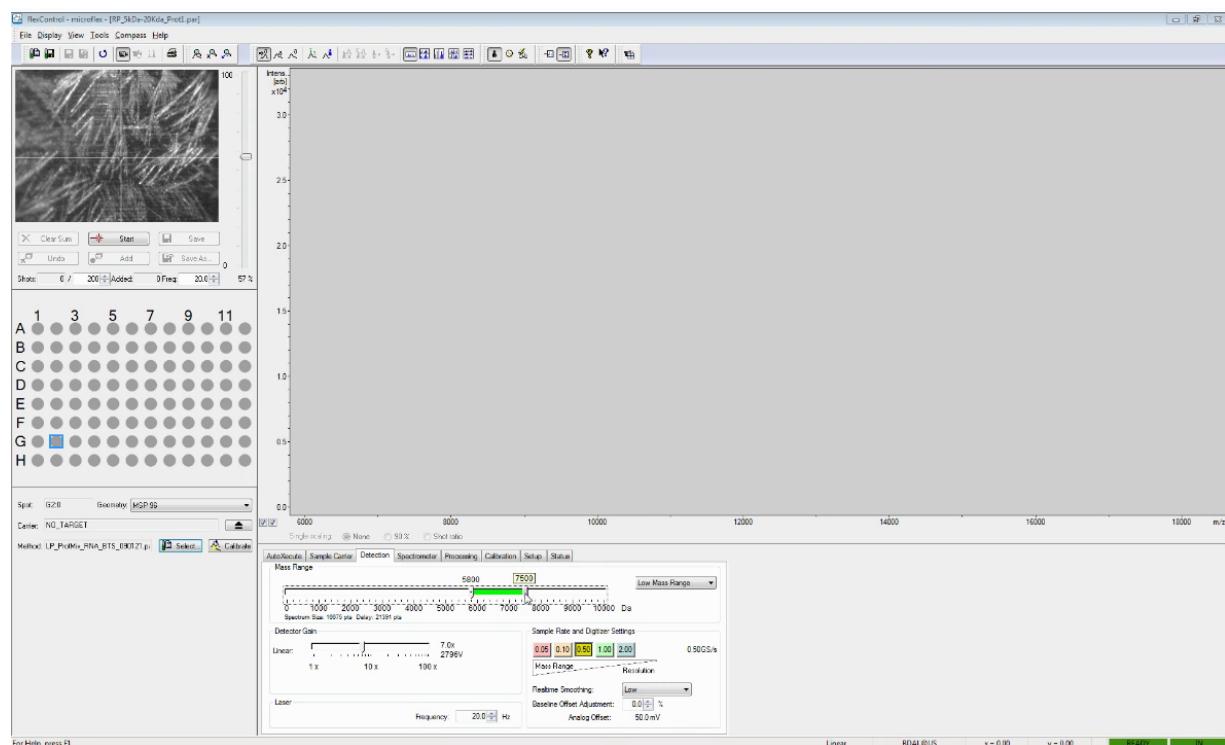
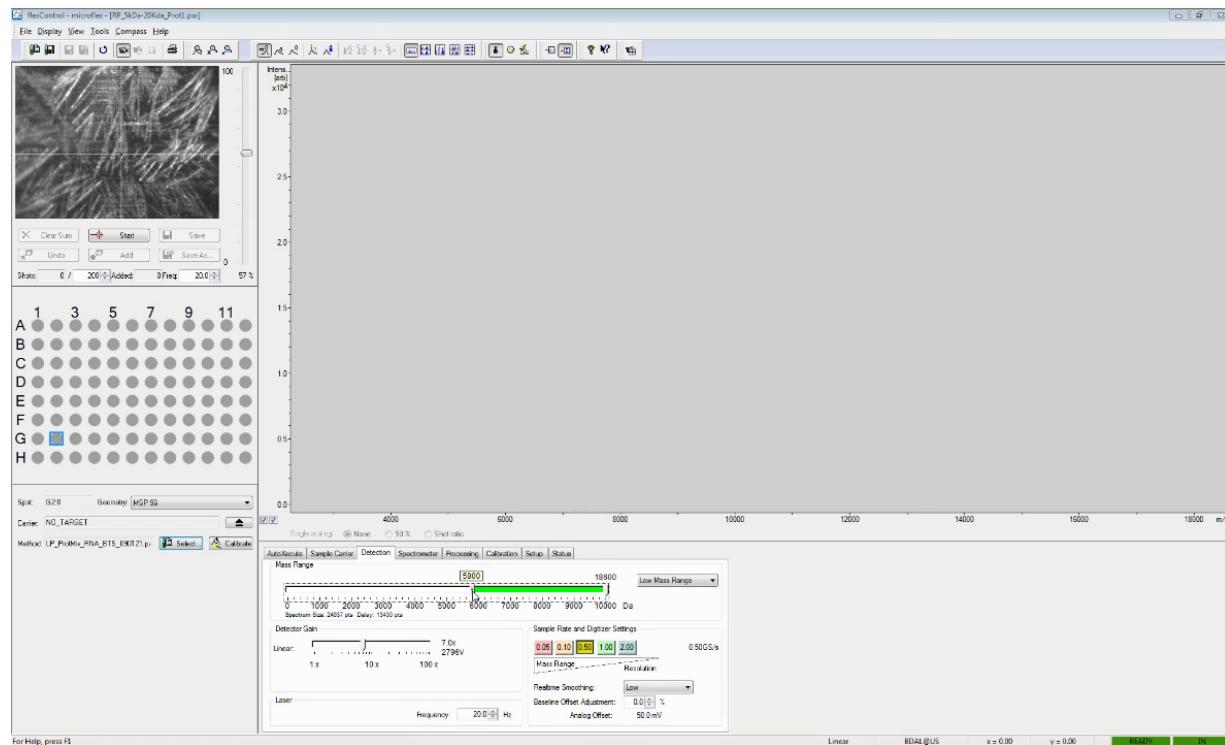
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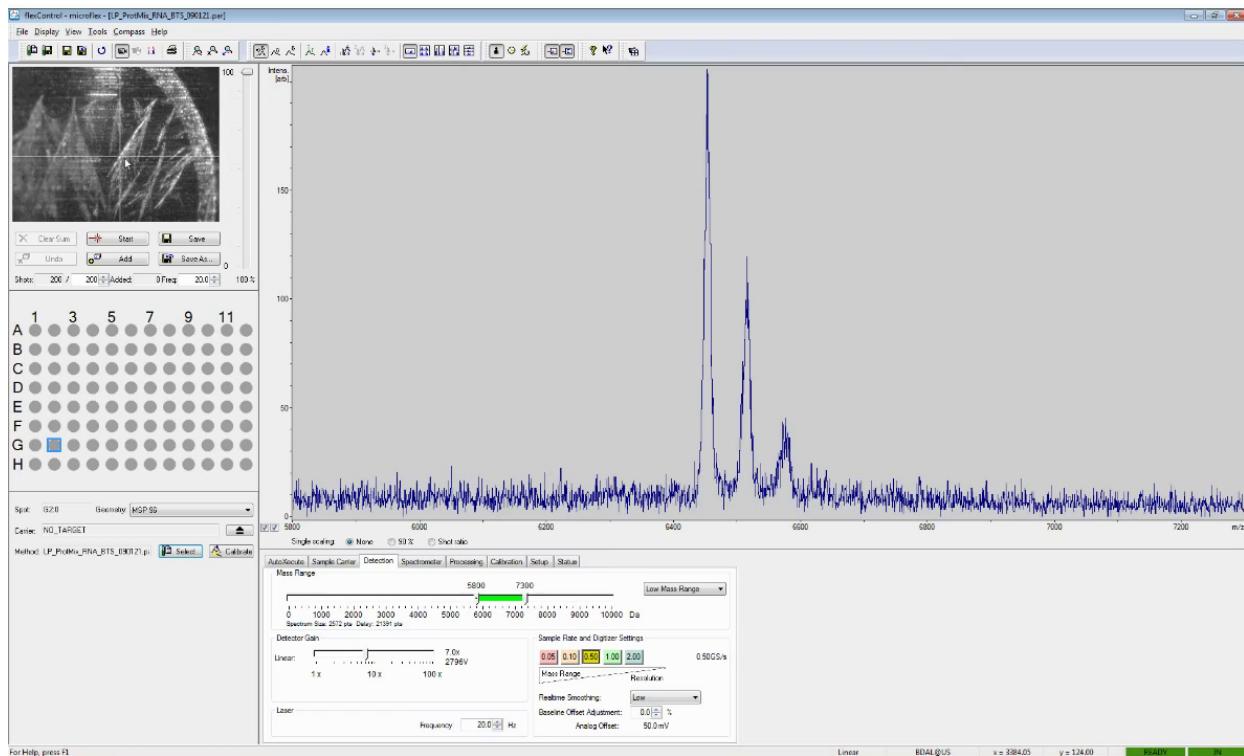
Step 4.1.3.5.



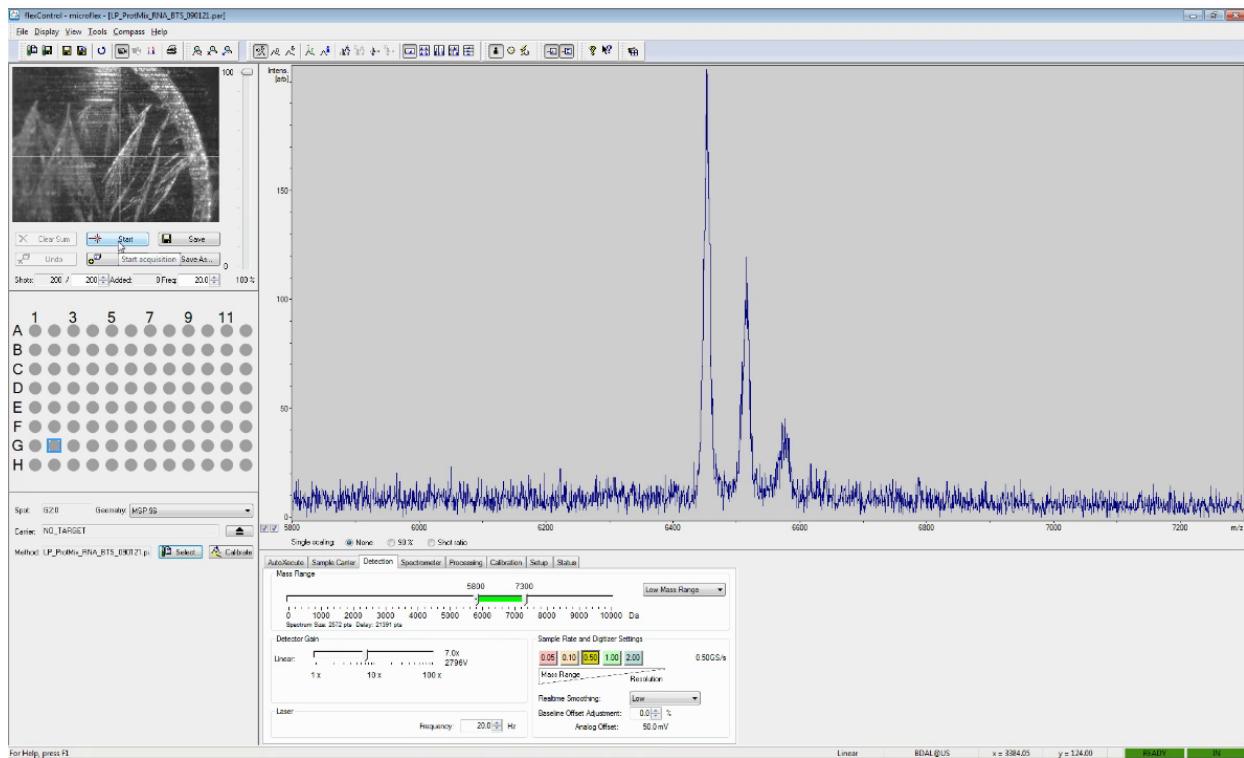
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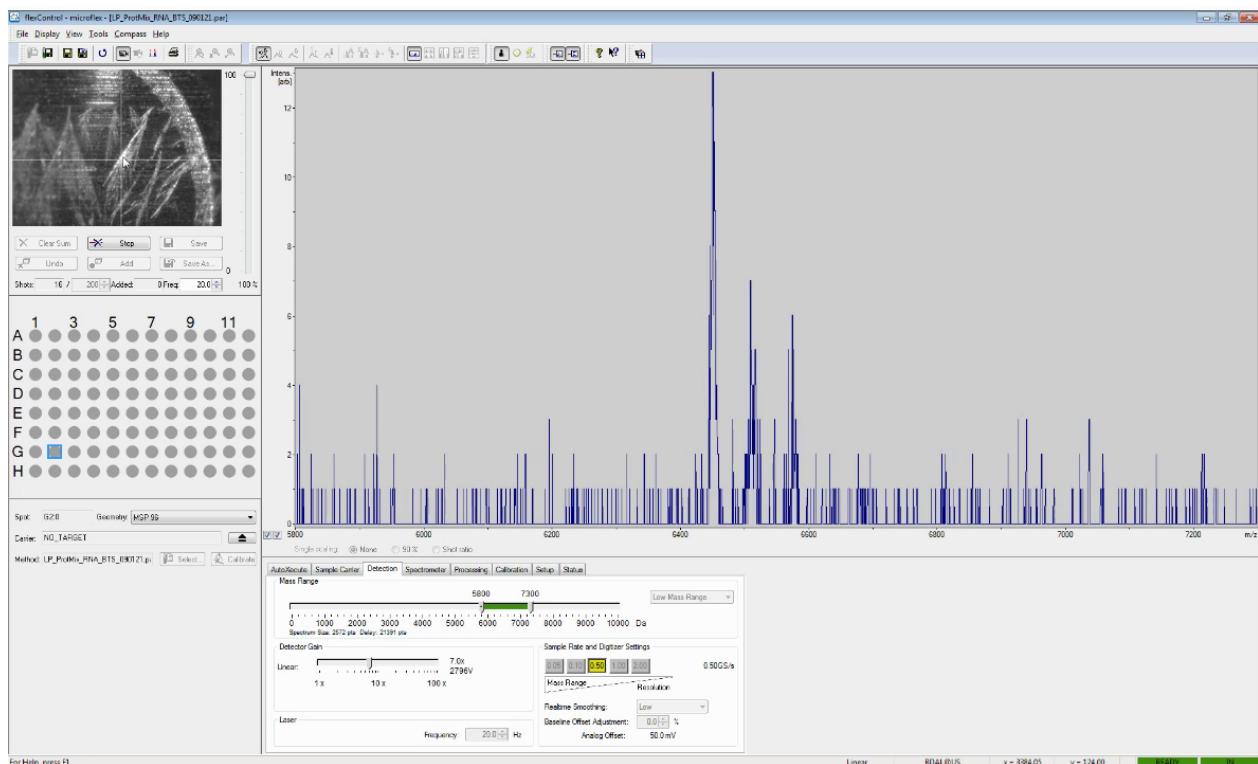
Steps 4.1.3.6 – 4.1.3.7.



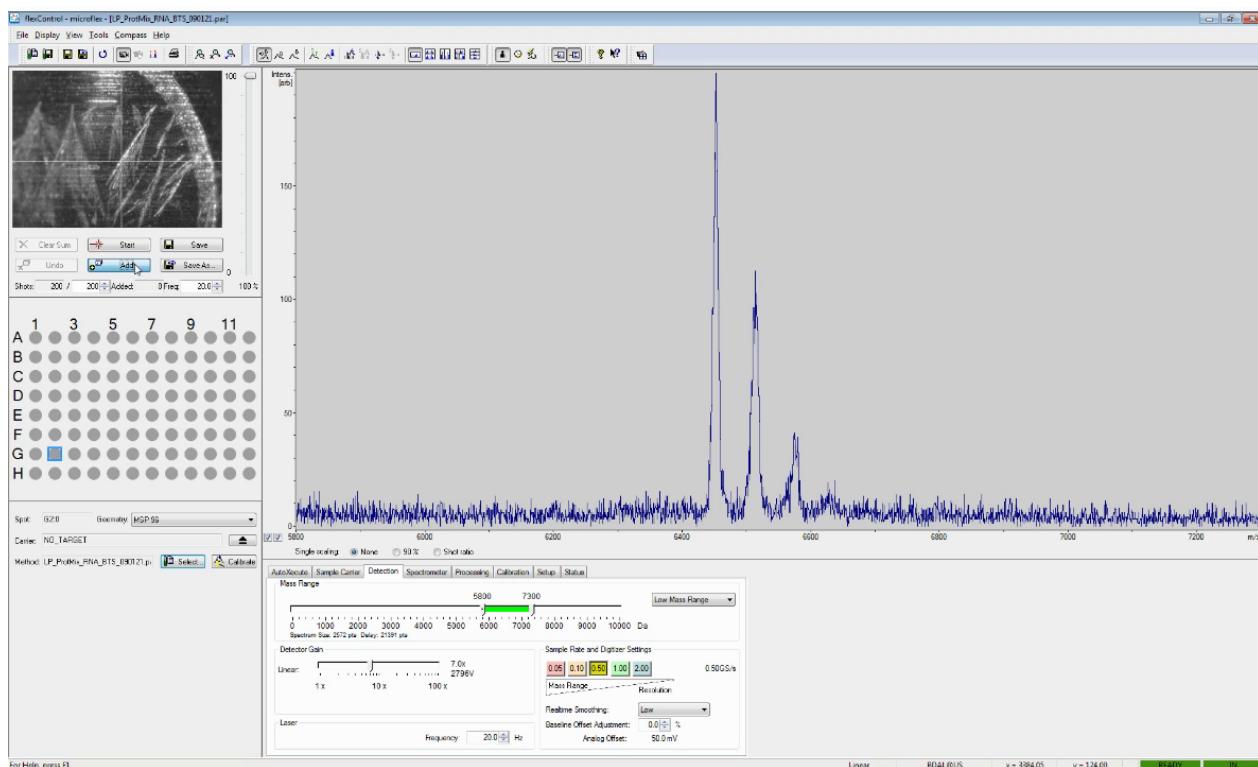
Step 4.1.4.1



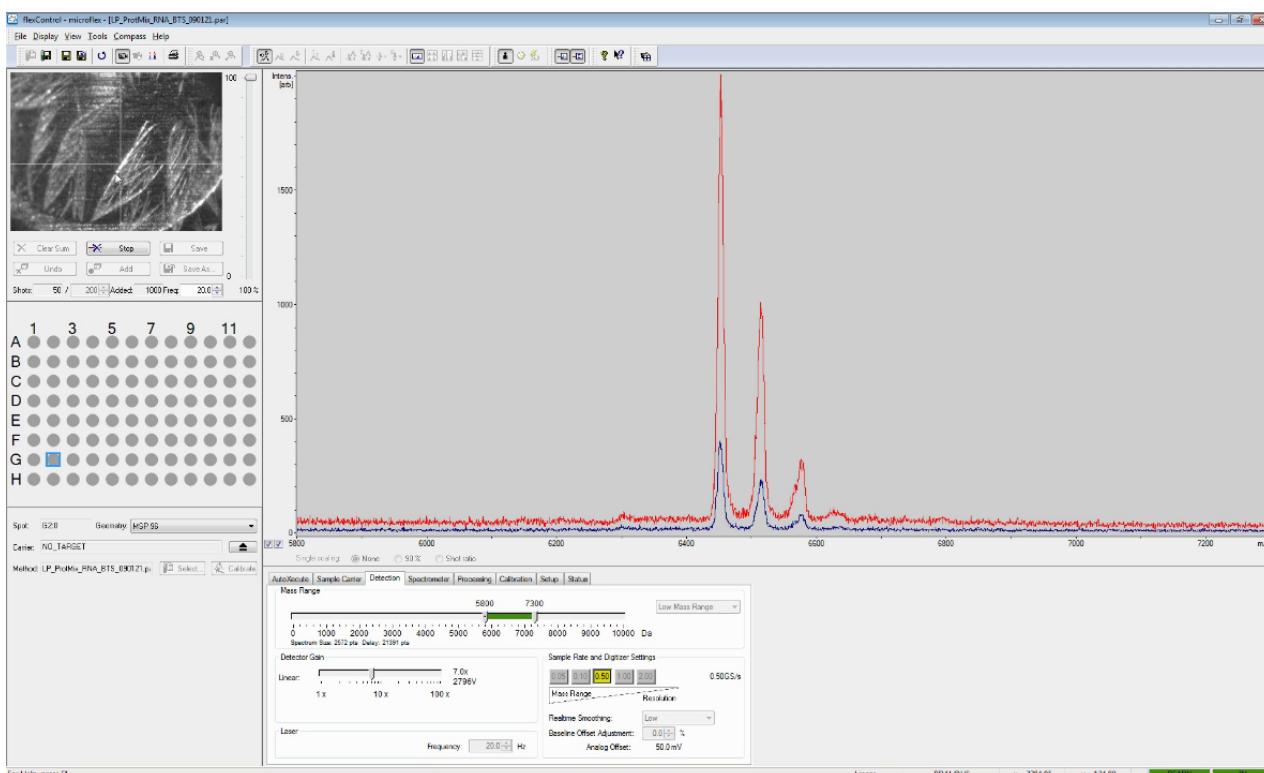
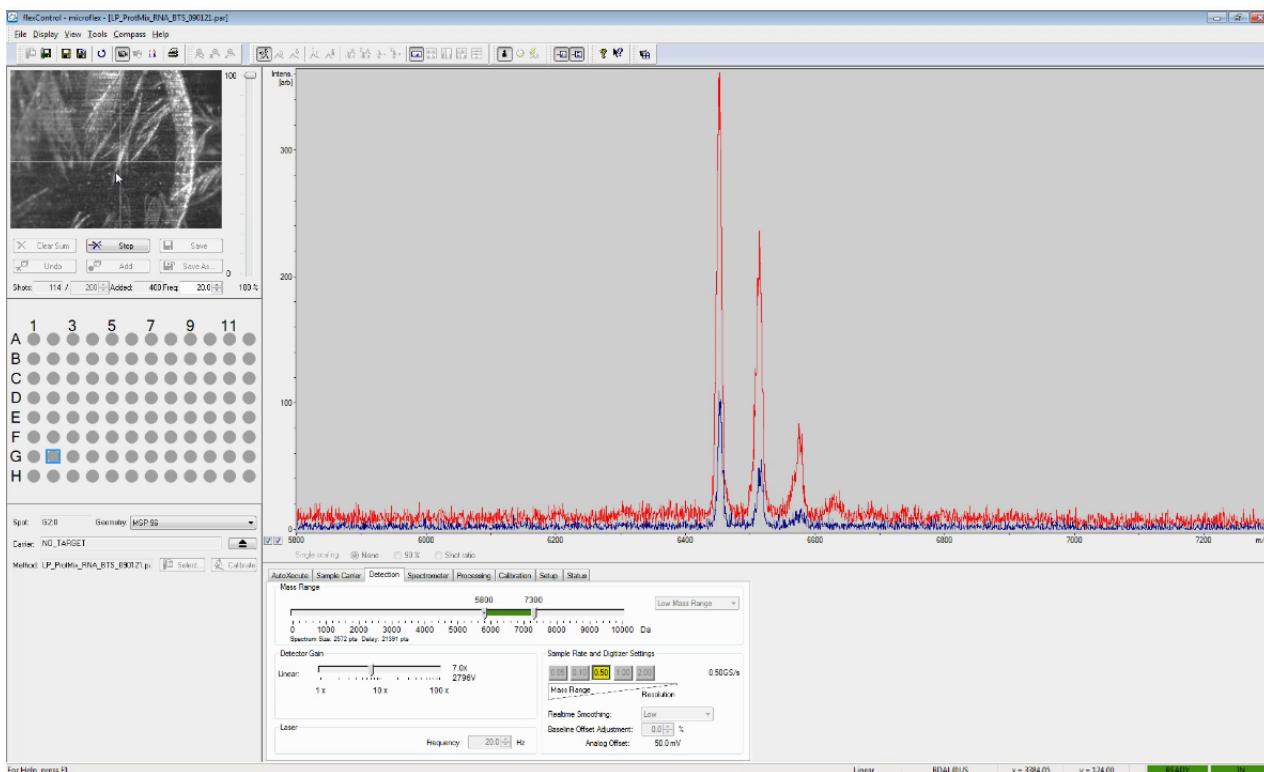
Step 4.1.4.1 (continued)



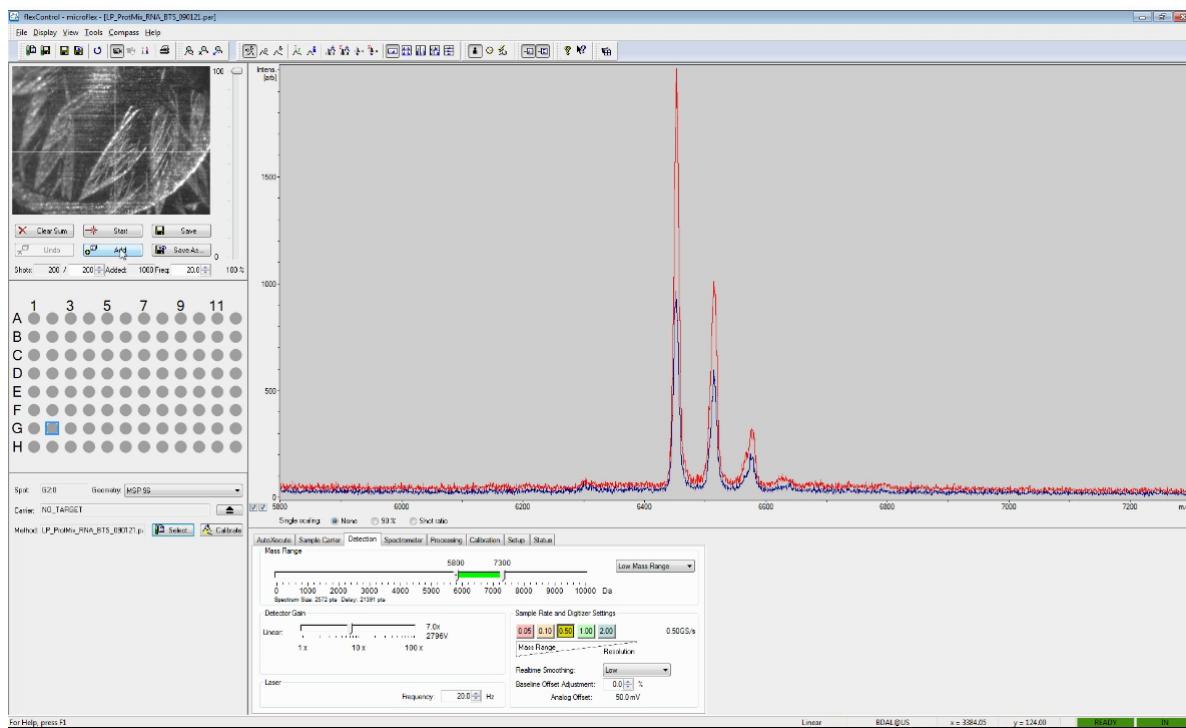
Step 4.1.4.2.



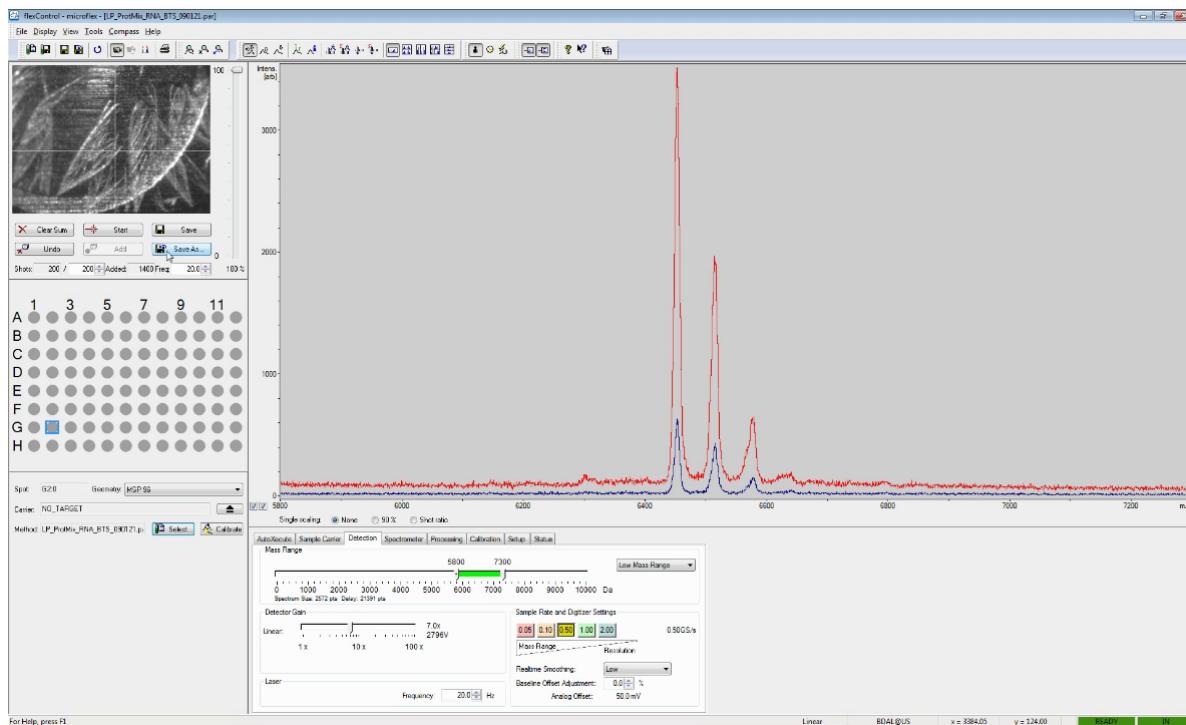
Step 4.1.4.3



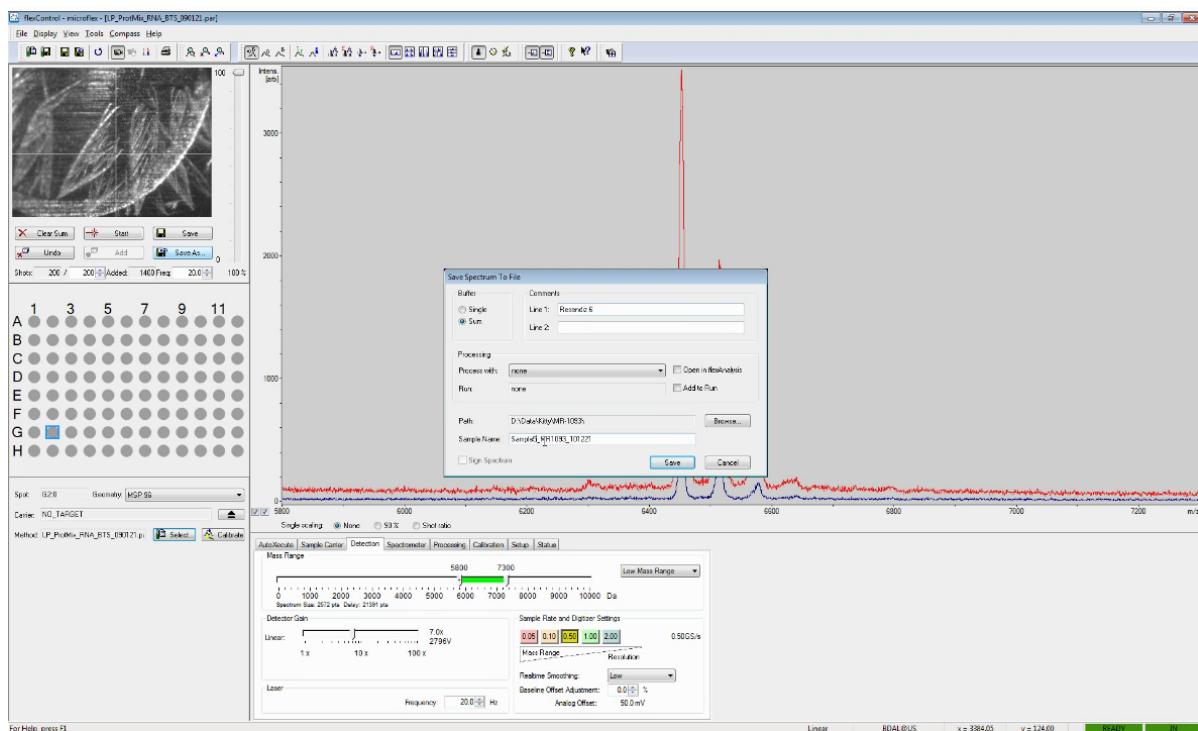
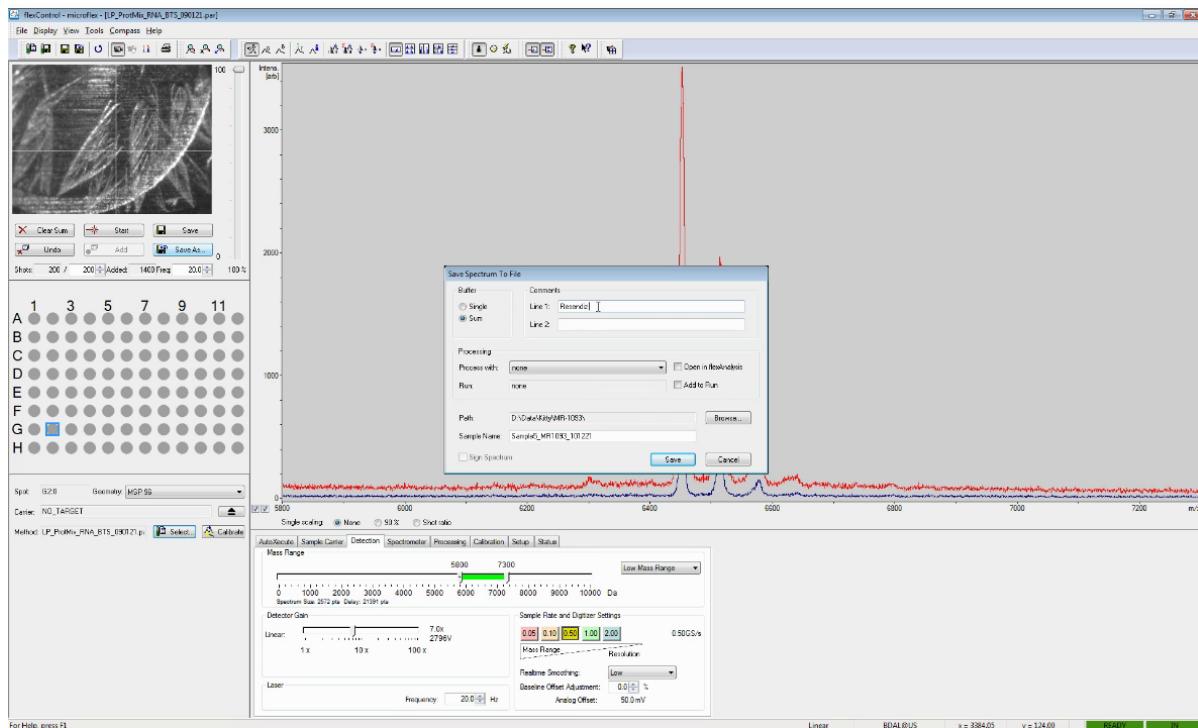
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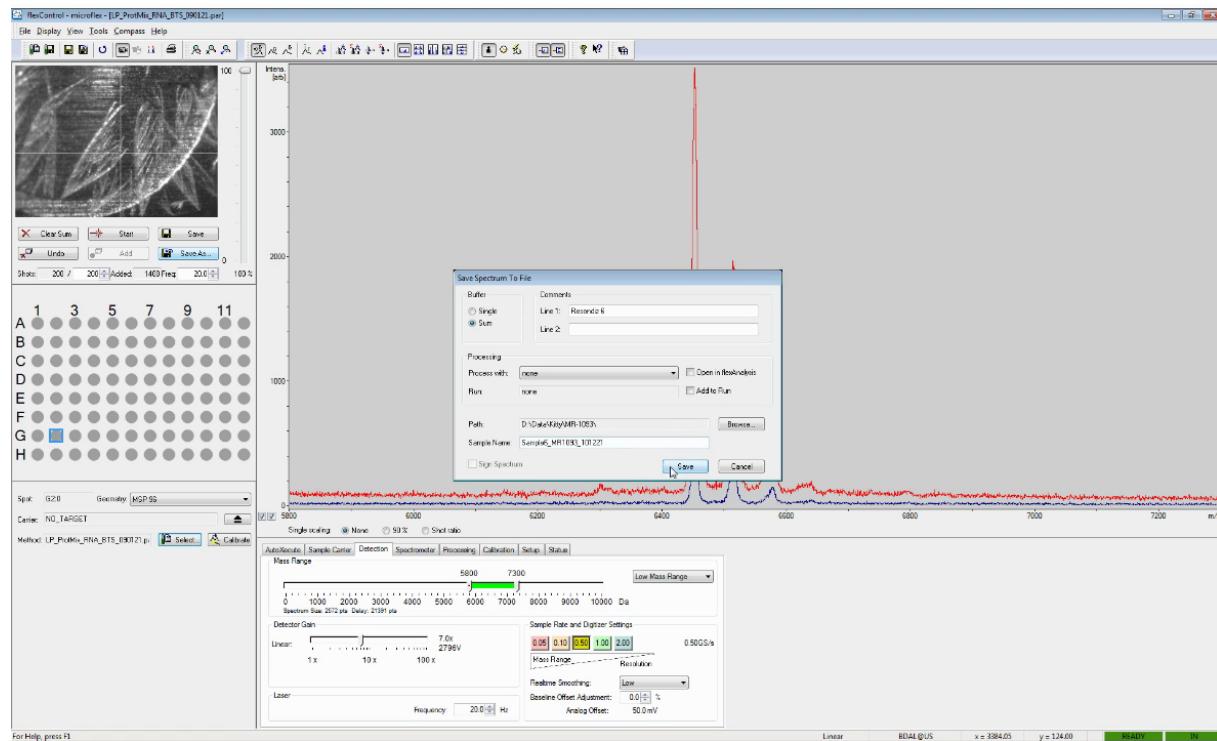
Step 4.1.4.5.



Step 4.1.4.5. (continued)

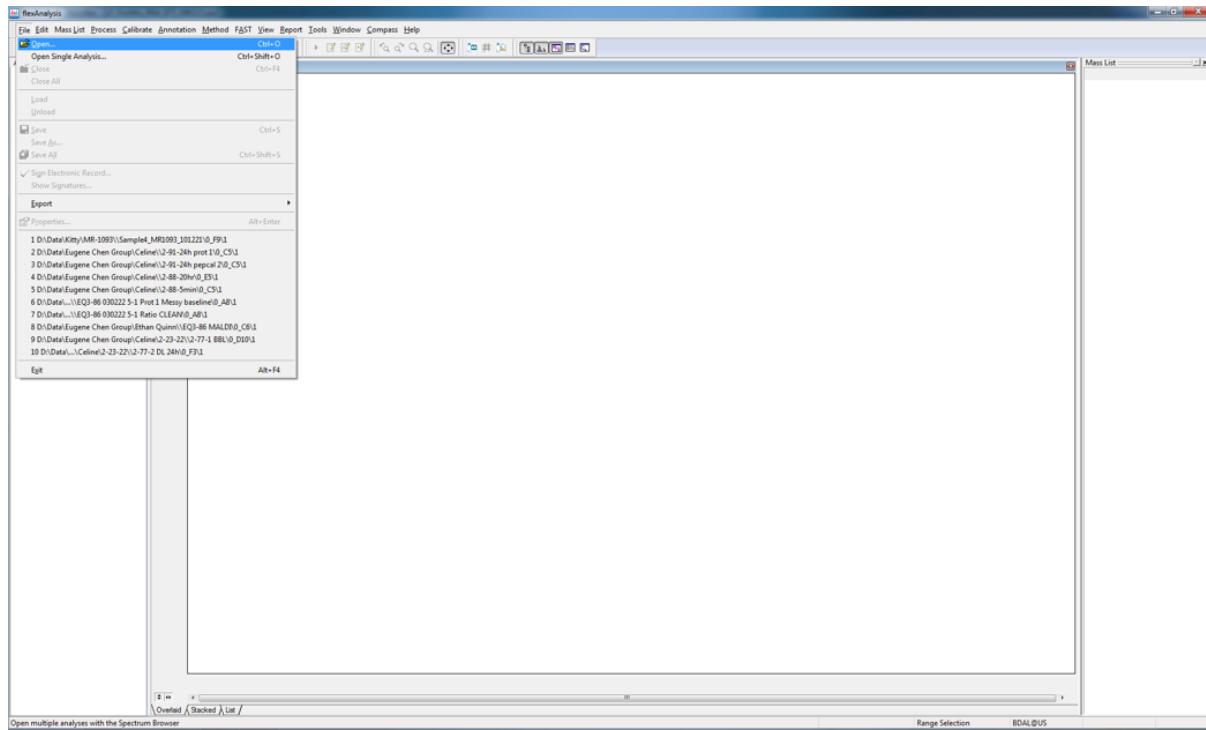


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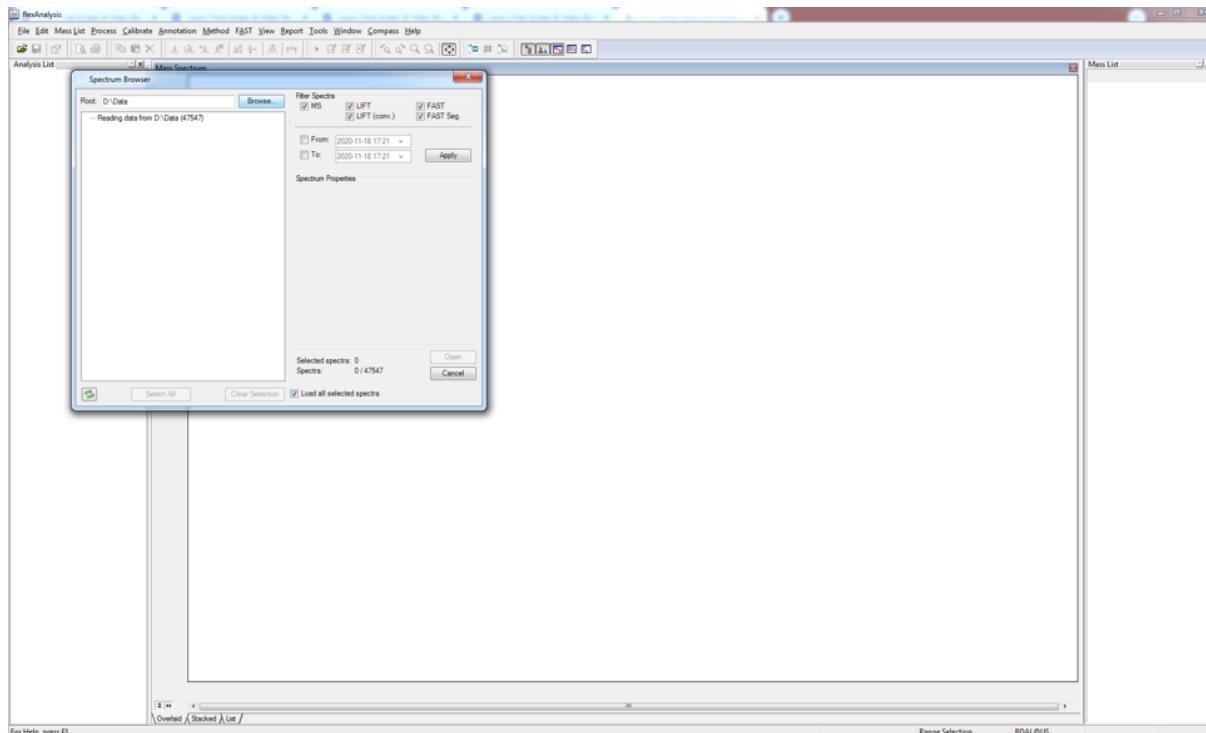


Step 4.2: Data processing

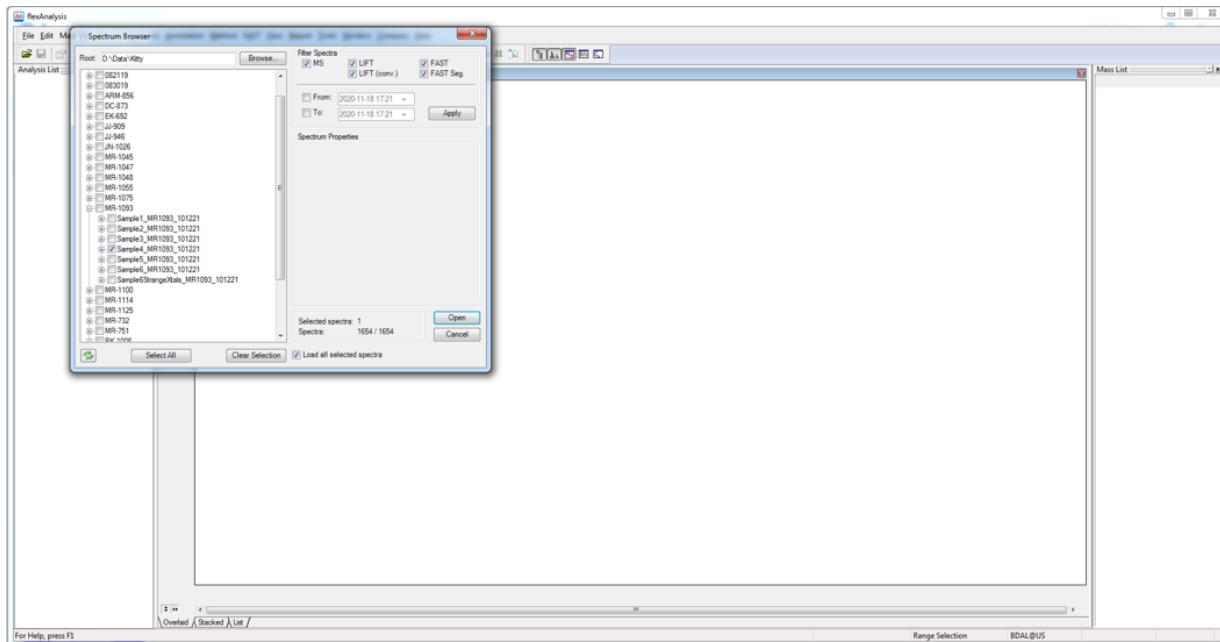
Step 4.2.1.



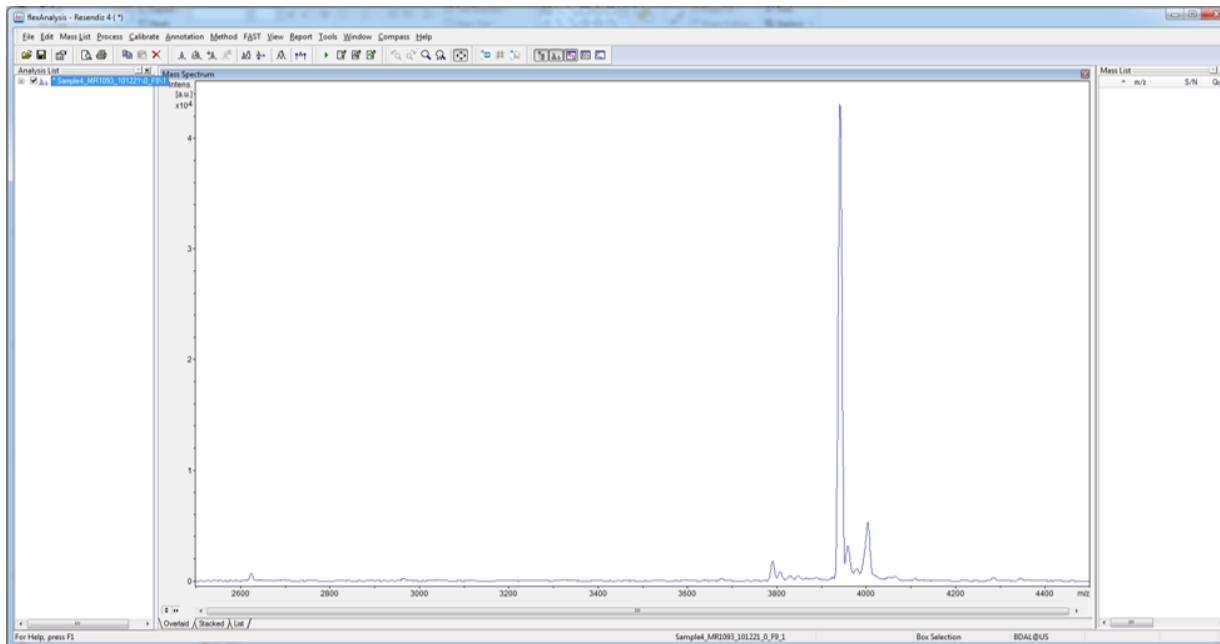
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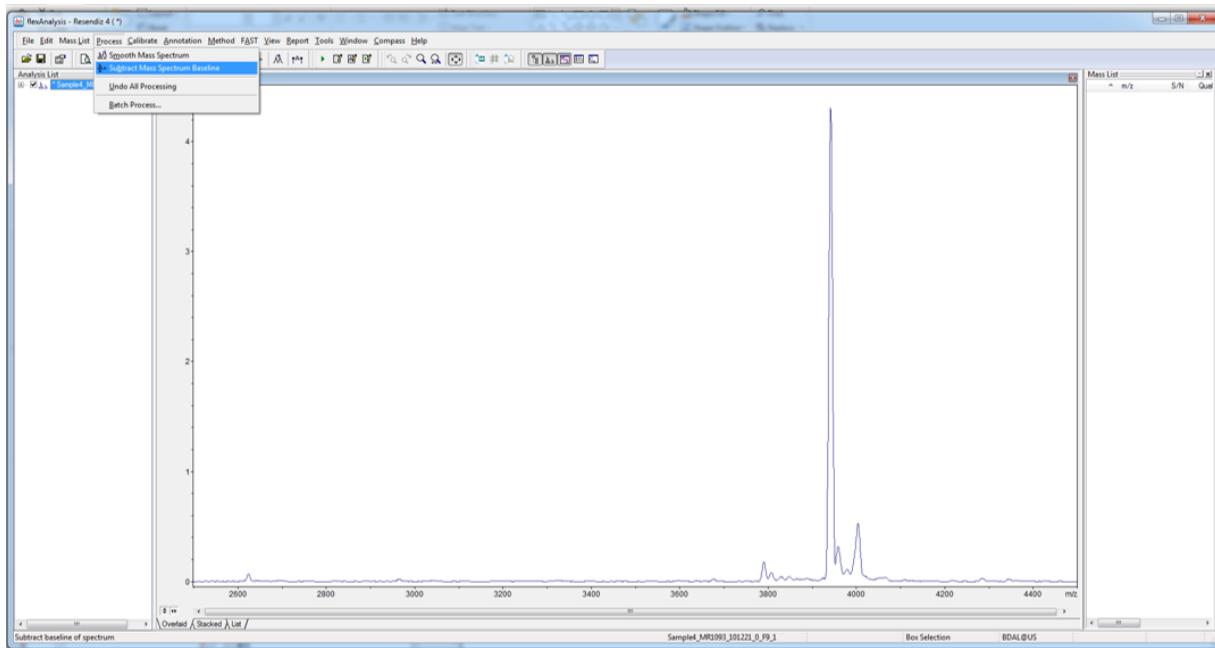
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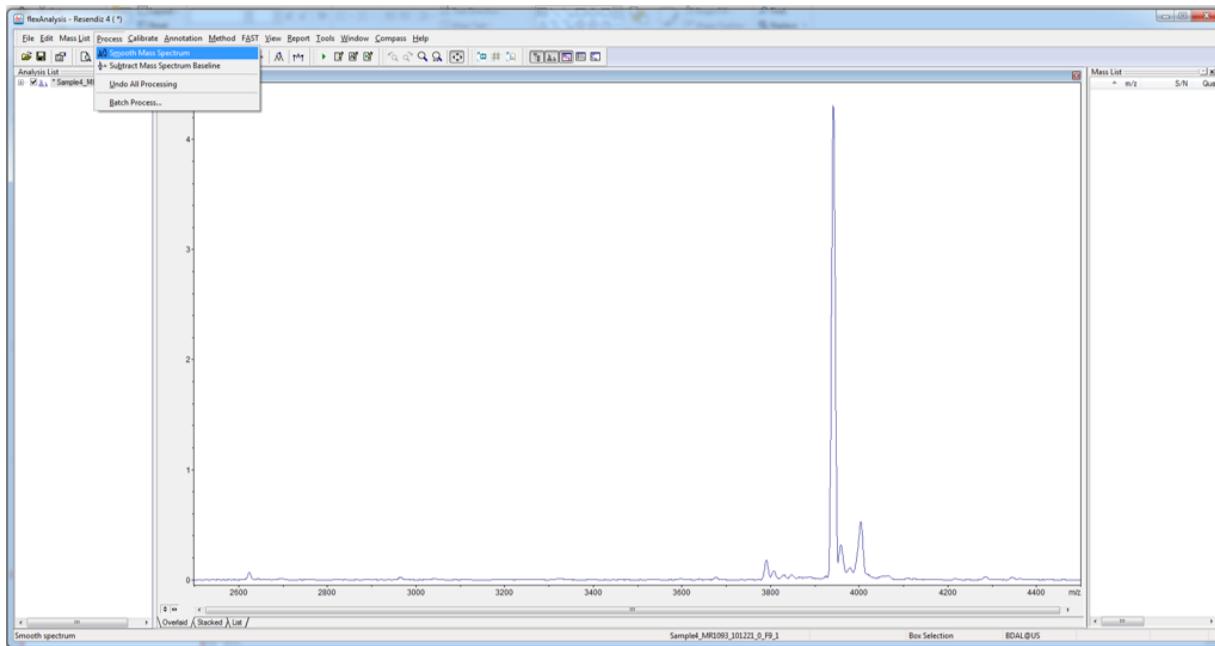
Step 4.2.3.



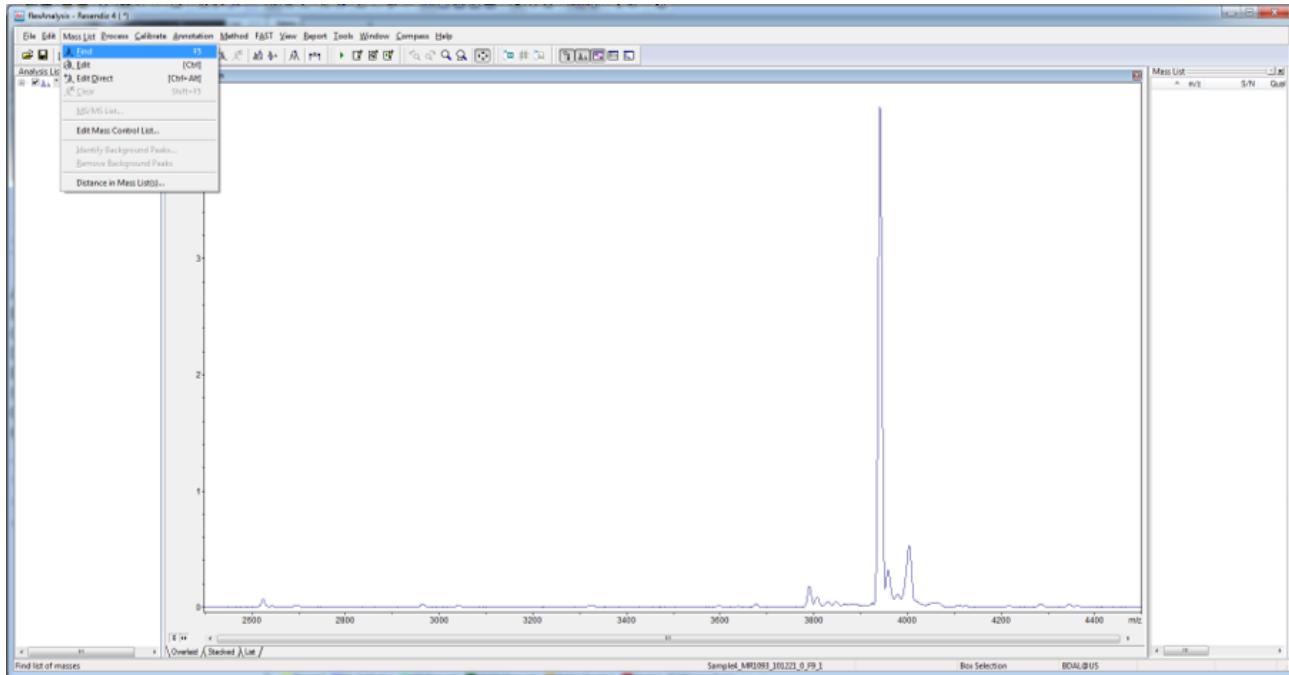
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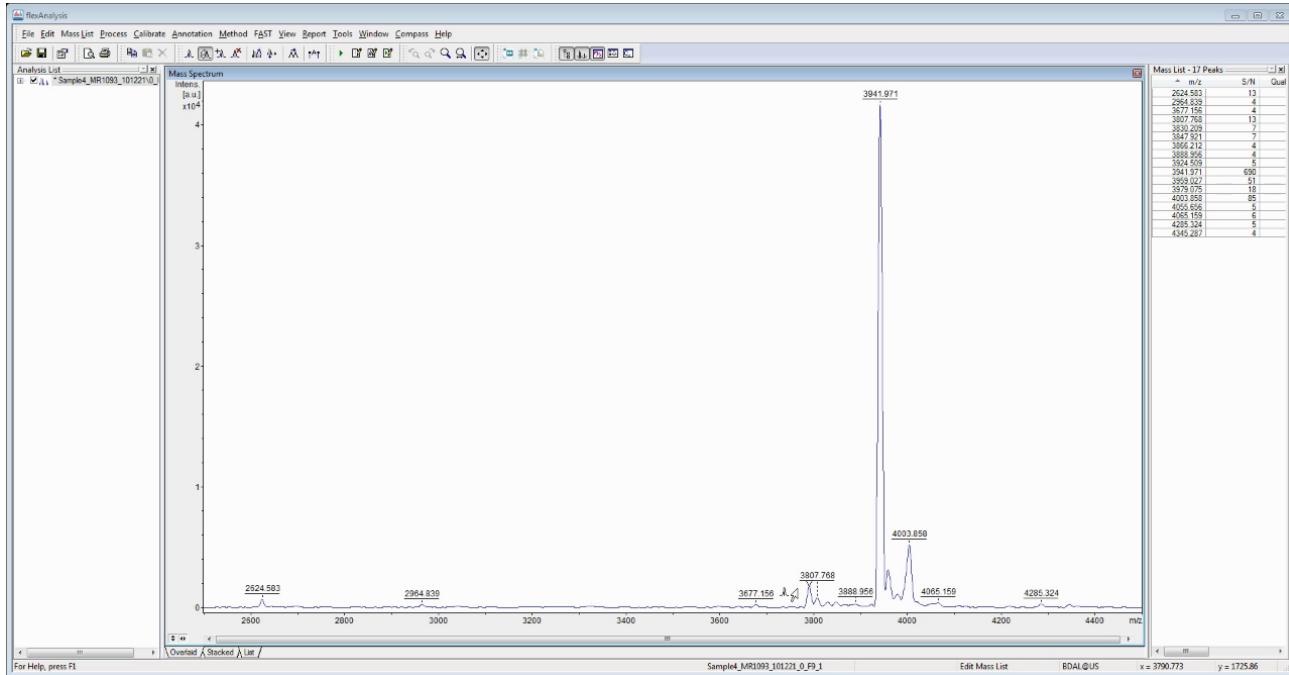
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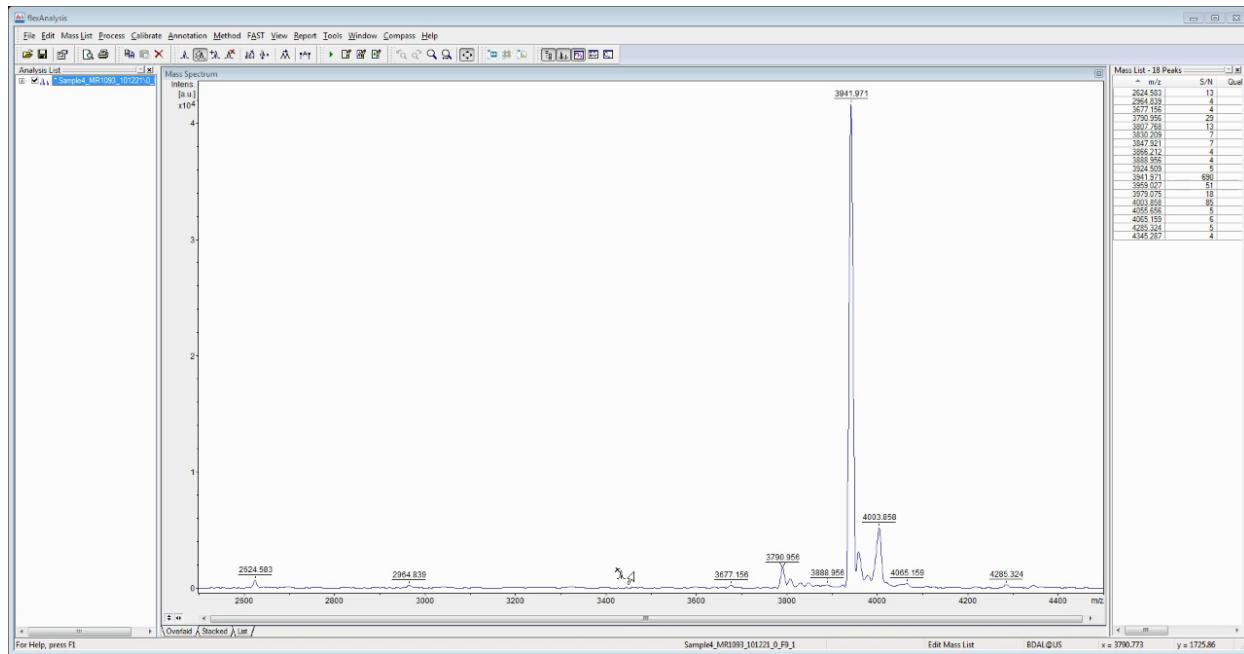
Step 4.2.5.



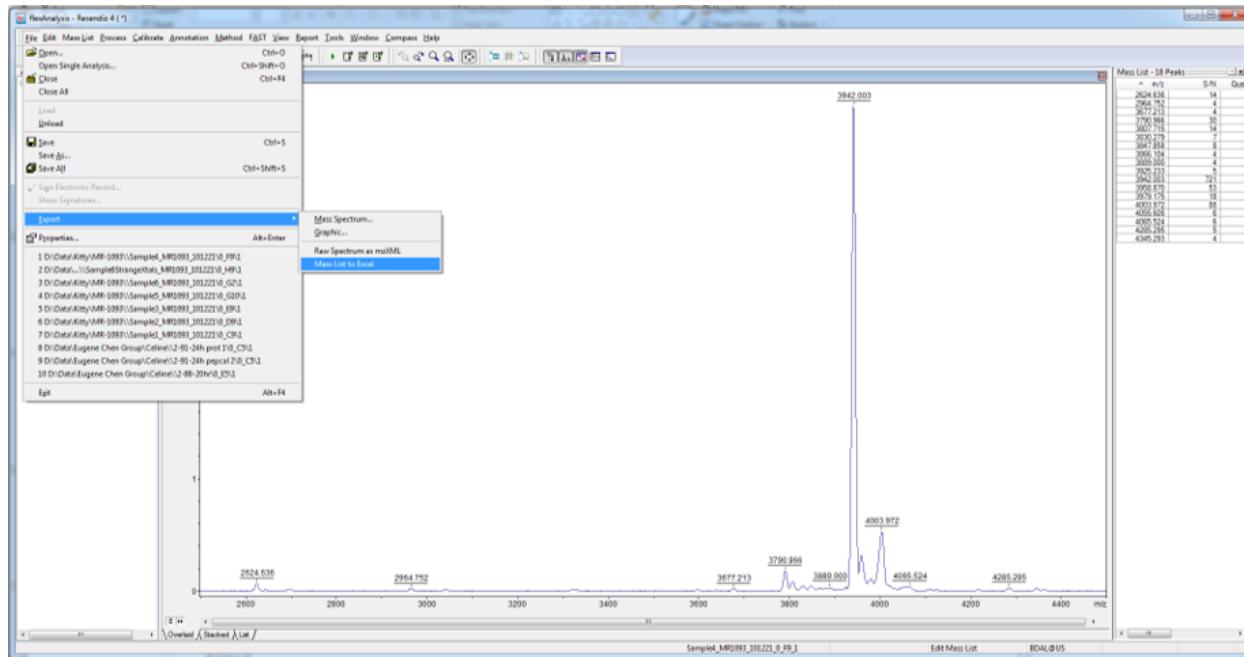
Step 4.2.7.



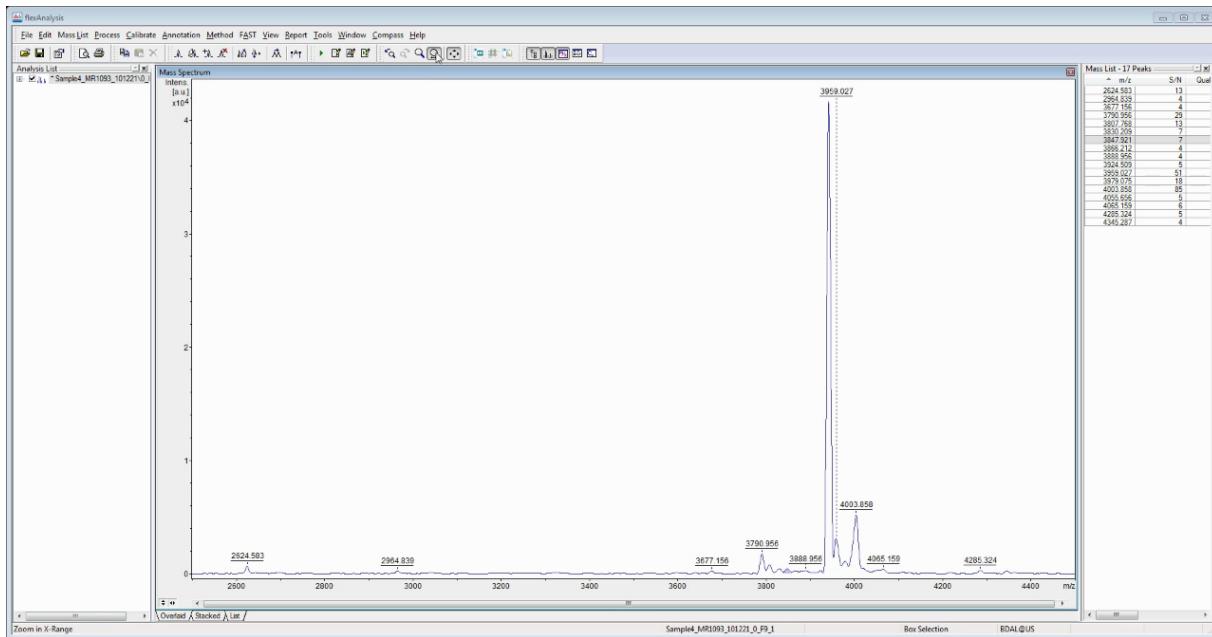
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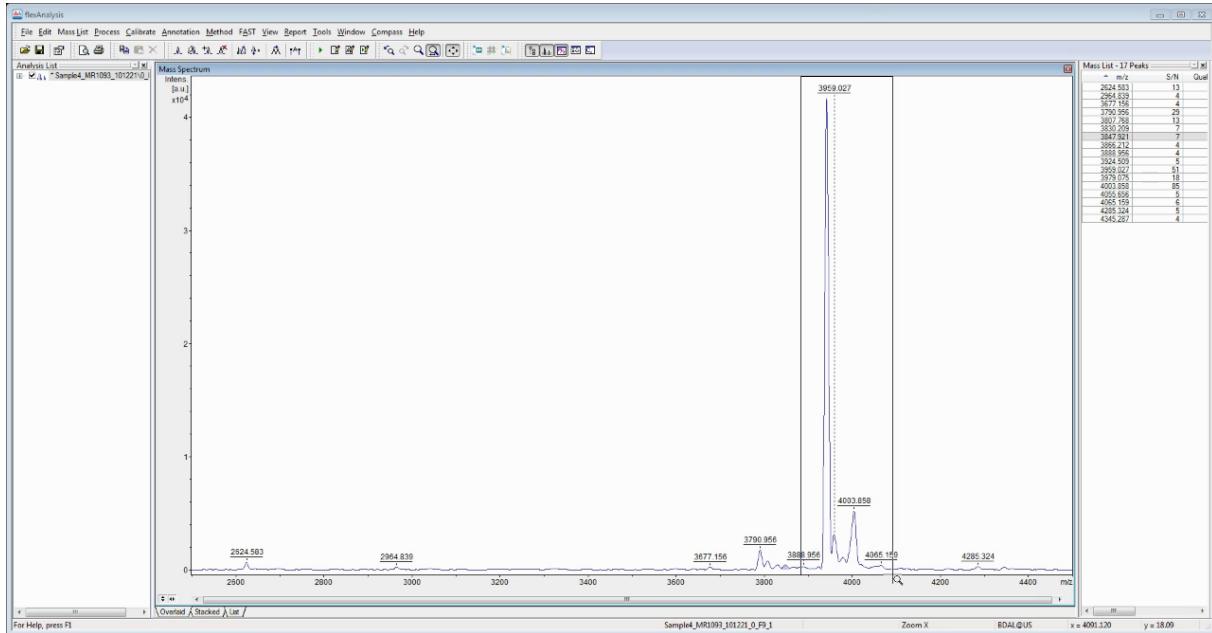
Step 4.2.8.



Step 4.2.10.1



Step 4.2.10.2



Step 4.2.10.3

