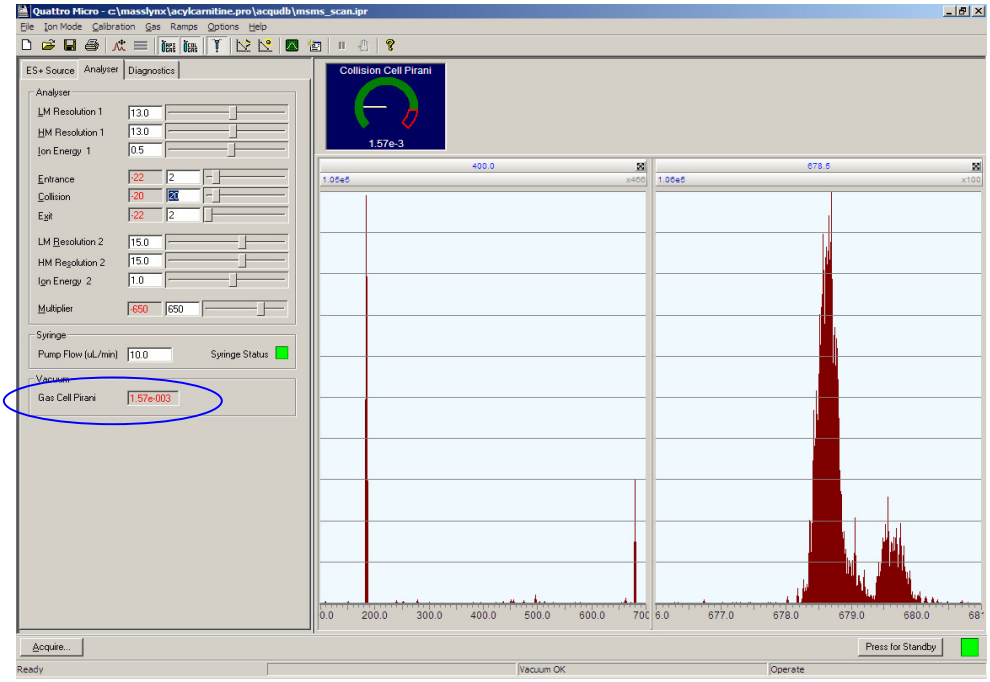
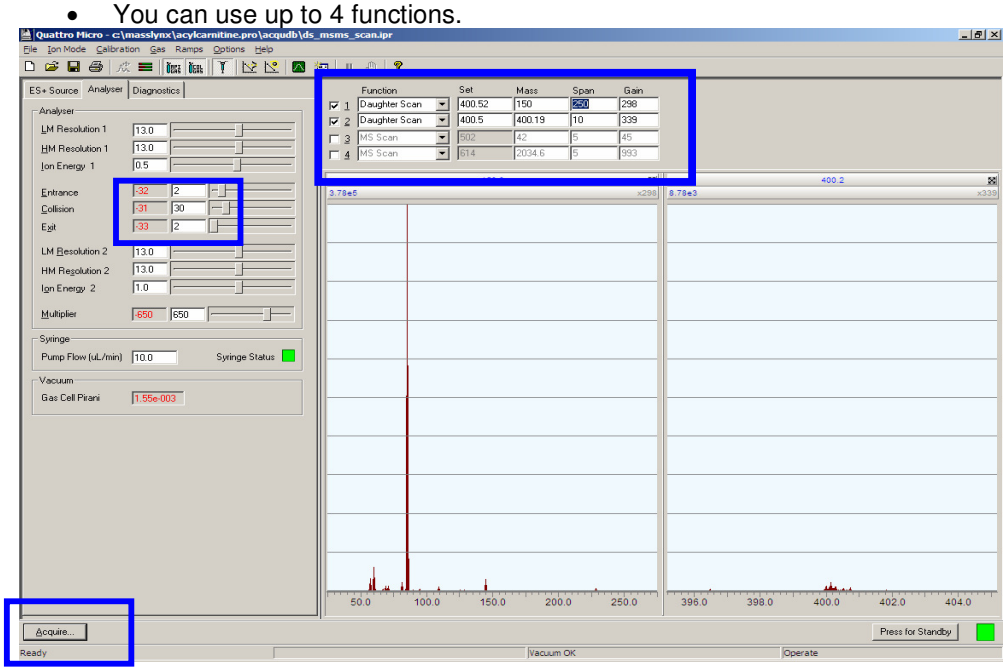
Manual MSMS Scanning in Quattro Micro
Instructions by Dr. Shula Levin, Medtechnica

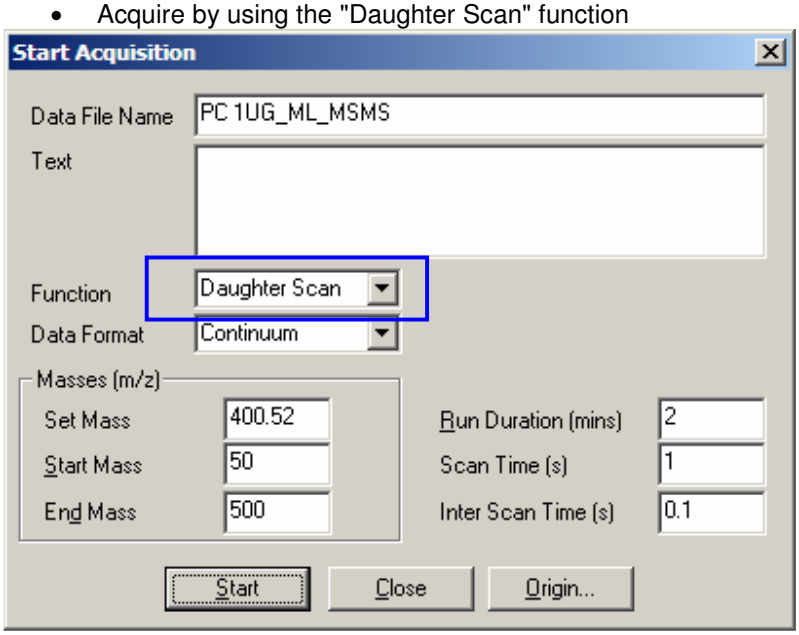
- Go to the MS Tune page and open the right file MSMS Tune page, check the appropriate parameters (especially the analyzer).
- Click on the collision gas. Make sure the pressure of the gas it is 1 - 2x10-3.
- Increase the collision energy until you see fragments and the remains of the precursor:



- Set the function: for example: "Daughter Scan". Use the parent's m/z value from MS-Scan in the "*Set*" and select the appropriate mass range for the daughters.
- You can use up to 4 functions.

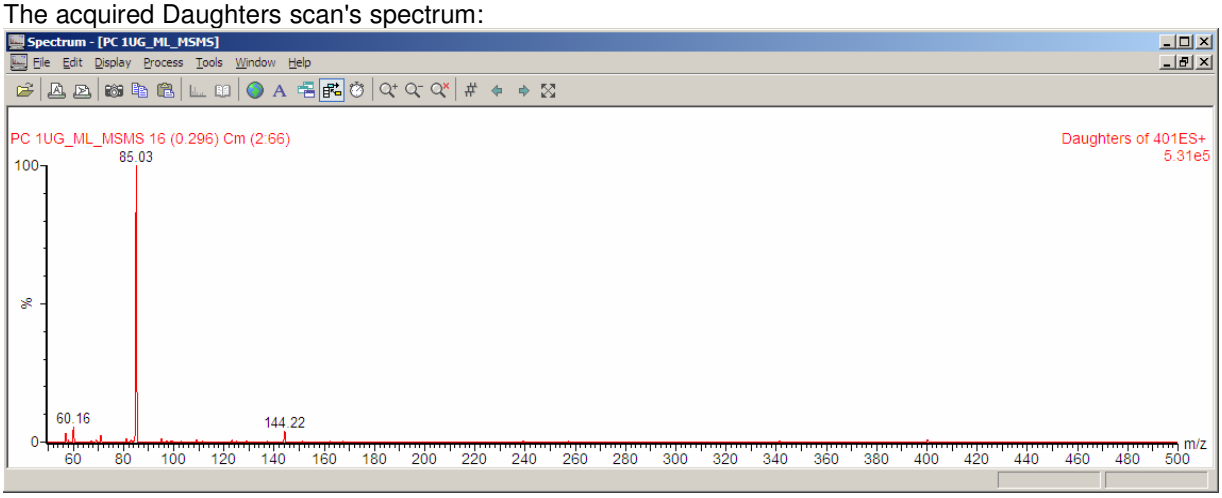


- Optimize the Daughter's signals by changing the collision energy.
- Acquire by using the "Daughter Scan" function

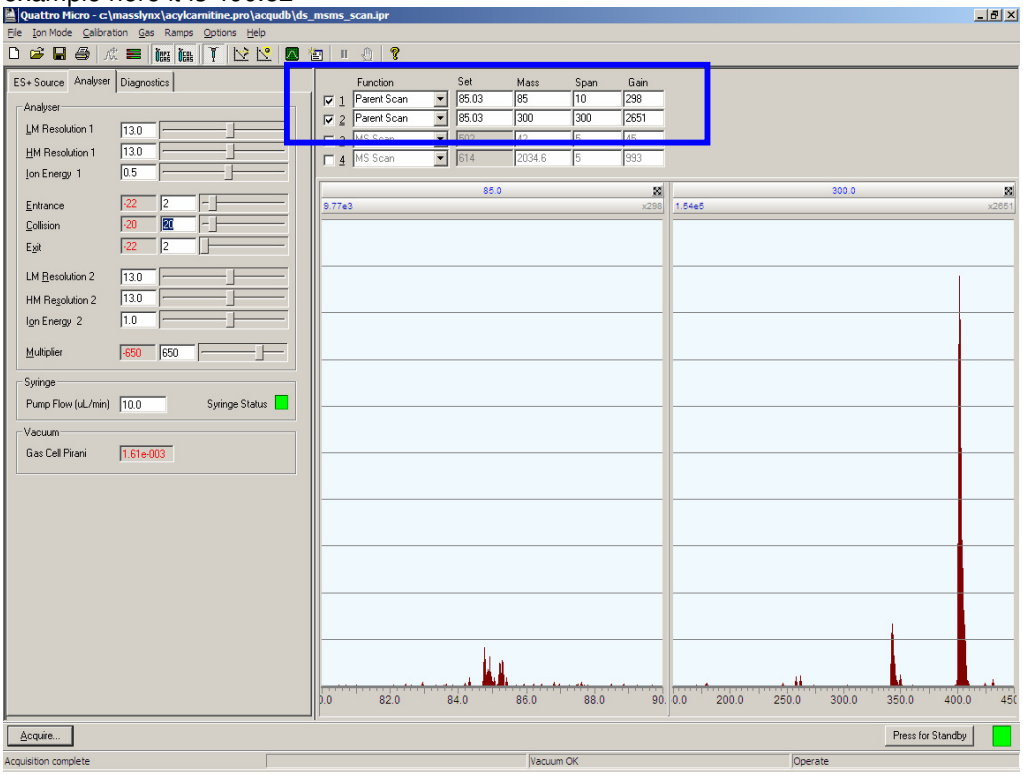


Tuning for MRM (Multiple Reaction Monitoring) is done by increasing collision energy until the precursor is minimal and daughters are intense.

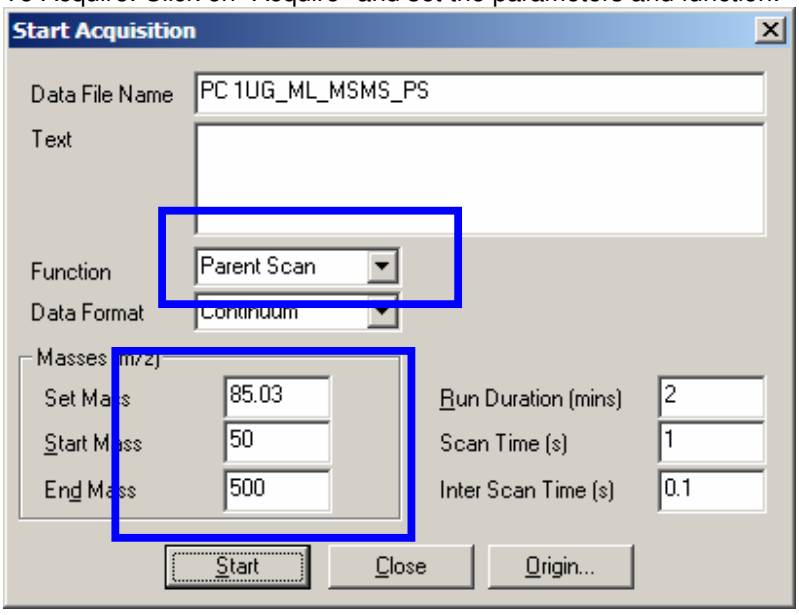
The acquired Daughters scan's spectrum:



For parent scan set the precursor m/z to the daughter (86.03) and tune the precursor's m/z, for example here it is 400.52



To Acquire: Click on "Acquire" and set the parameters and function:



Go to "Chromatogram" click on "Real Time" and combine the spectra to see the chromatogram.