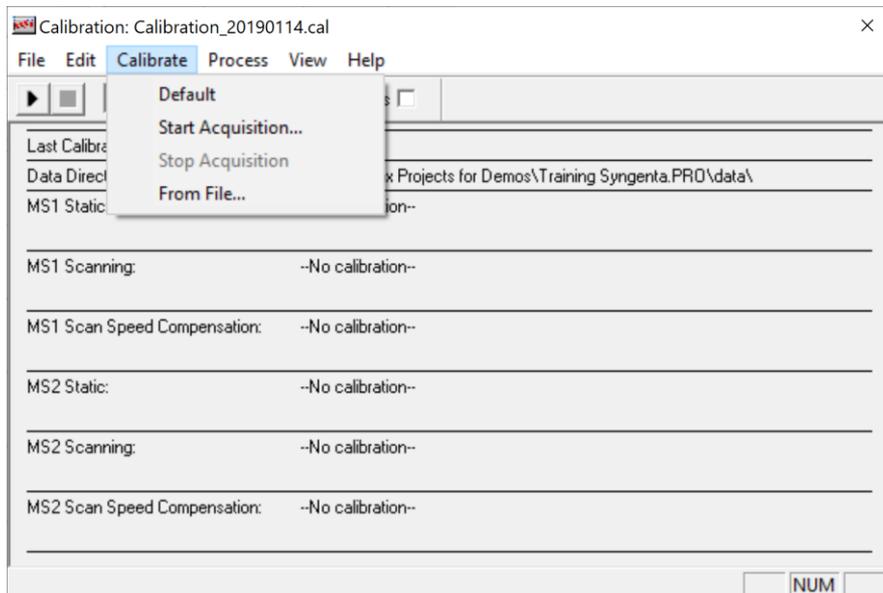


How to correct the IntelliStart calibration to match reference peak m/z 74.10 on the Xevo TQ-XS

Calibrate from File:

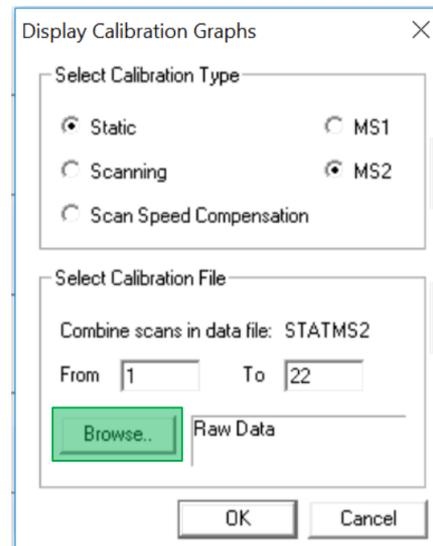
- From the MS Tune Page, Select «Default» from the «Calibration» menu in order to remove the current calibration. «No Calibration» should be displayed as below:
- Select «From File» from the «Calibration» menu.



Calibration Modes and Data File Names

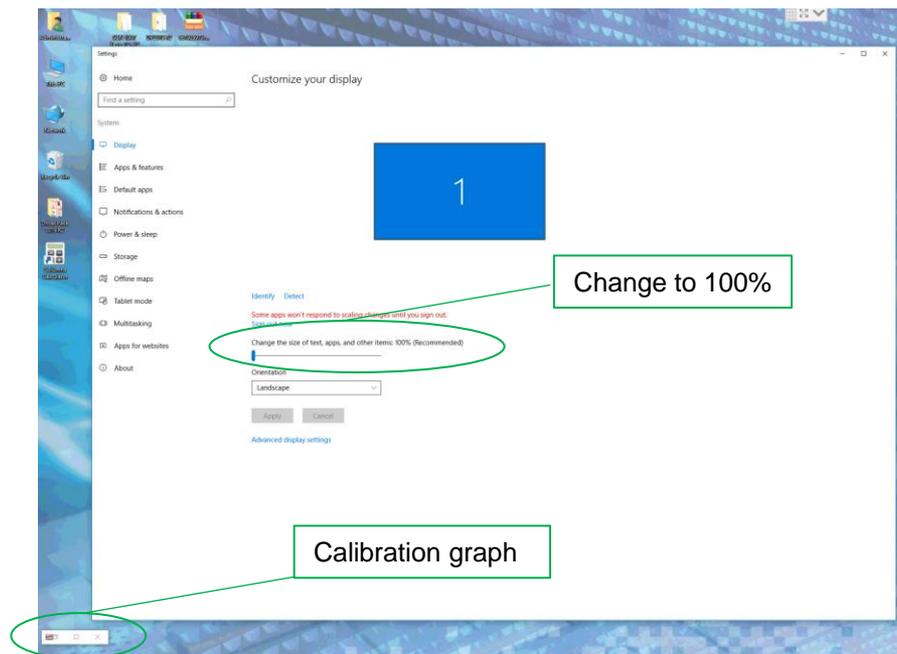
- Each calibration needs to be verified according to the table below.
- For each calibration, «Browse» to the correct raw file which is in: C:MassLynx > IntelliStart.pro > Data. You can find the right Data File Name in the table below:
- Once the right raw file for a specific calibration is selected, click «OK».

Mode	MS	Data File Name
Static	MS1	STATMS1.raw
Scanning	MS1	SCNMS1.raw
Scan Speed Compensation	MS1	FASTMS1.raw
Static	MS2	STATMS2.raw
Scanning	MS2	SCNMS2.raw
Scan Speed Compensation	MS2	FASTMS2.raw



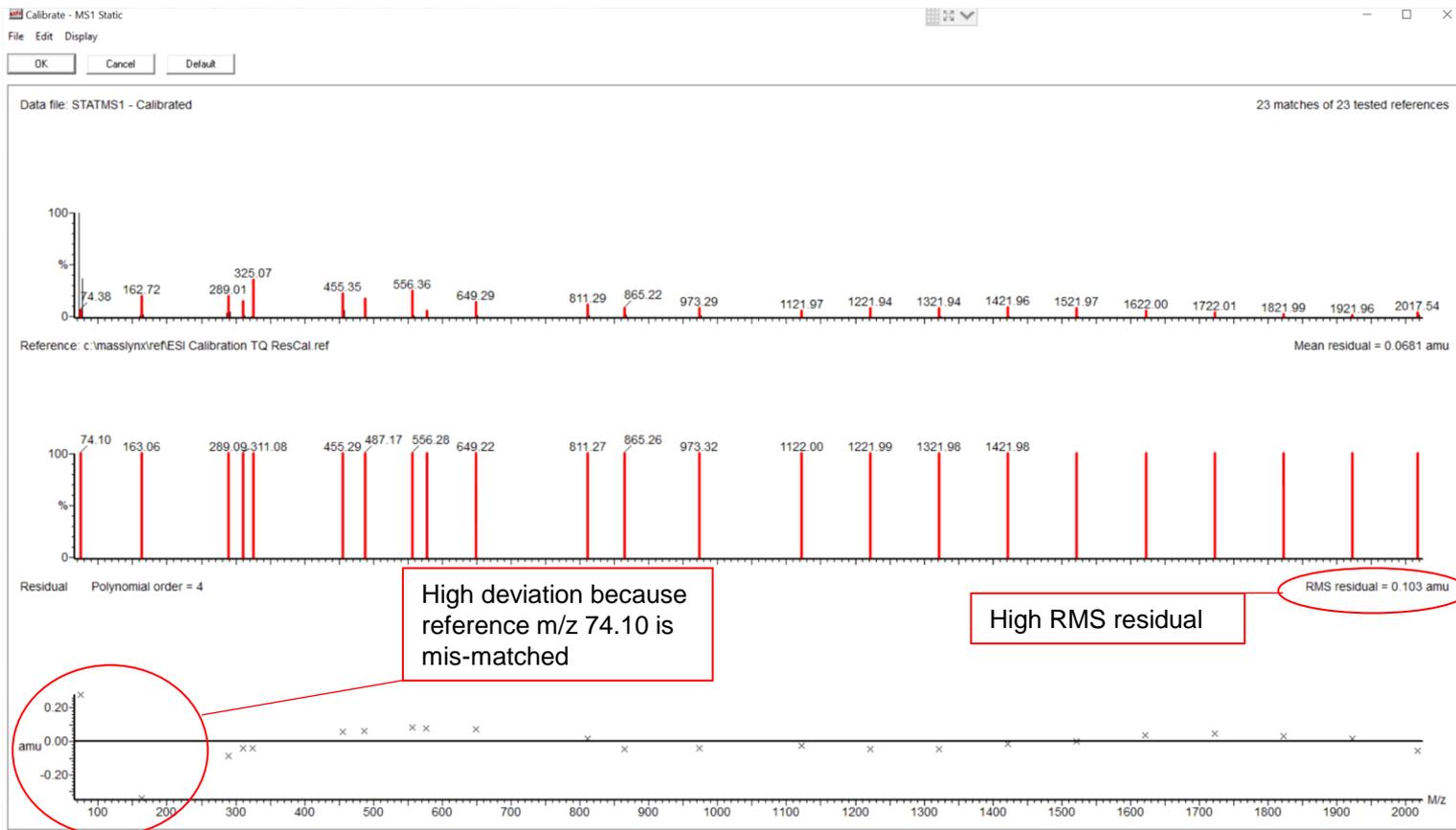
If you do not see the Calibration graph on screen

- Right click on the desktop and select «Display Settings».
- Change the size of text, apps and other items to 100%
- You can find the calibration graph at the bottom left of the screen.
- Maximize the calibration graph.



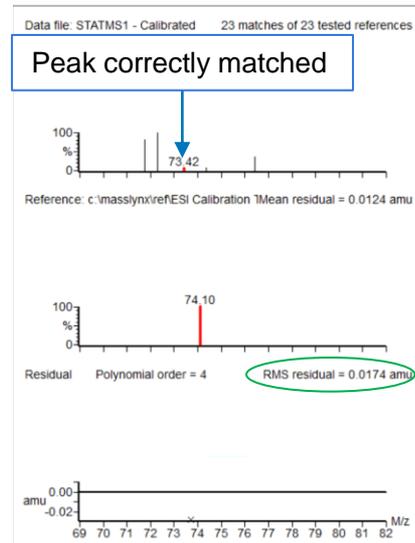
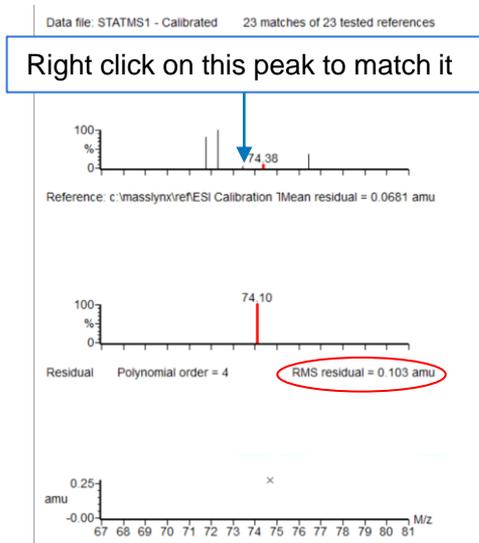
Calibration plot

Mis-matched peak for reference m/z 74.10



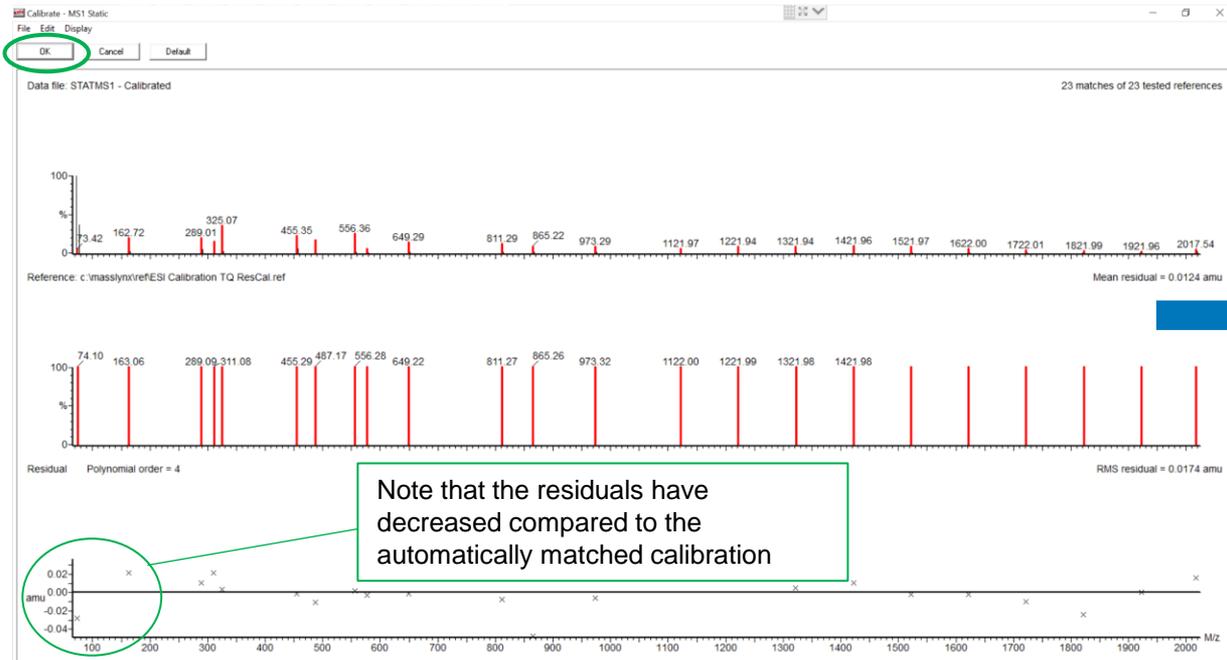
How to match the correct peak for reference m/z 74.10

- Zoom in the region of the peak at m/z 74.10 and match the correct peak as shown below:



MS1 Static Calibration Plot with correctly matched peak for reference peak m/z 74.10

- Once the correct peak is matched, click “OK” to accept the calibration.
- Note that in the calibration window, MS1 Static is now calibrated.



MS1 static is now correctly calibrated

Calibration: Default

File Edit Calibrate Process View Help

ESI Calibration TC Use air refs

Last Calibrated: 19 Mar 21 09:14

Data Directory: C:\Projects\Xevo TQ-S\SDR-0064_KL_BL_2021_PROD\data\

MS1 Static: Mass 72 Da to 2020 Da High Mass Resolution=14.8 Low Mass Resolution=2.7 Ion Energy=-0.5

MS1 Scanning: -No calibration-

MS1 Scan Speed Compensation: -No calibration-

MS2 Static: -No calibration-

MS2 Scanning: -No calibration-

MS2 Scan Speed Compensation: -No calibration-

Ready NUM

Proceed for the other calibrations

- Proceed with the other calibrations according to the table below.
- At the end, verify that all mode are calibrated as shown on the Calibration window **and save the calibration.**

Mode	MS	Data File Name
Static	MS1	STATMS1.raw
Scanning	MS1	SCNMS1.raw
Scan Speed Compensation	MS1	FASTMS1.raw
Static	MS2	STATMS2.raw
Scanning	MS2	SCNMS2.raw
Scan Speed Compensation	MS2	FASTMS2.raw

