**● 66091\_screenshot\_1.MP4**

○ 2.6.1 (The LCMS control software is being launched) 00:00 - 00:33

**● 66091\_screenshot\_2.MP4**

○ 2.6.2 (The MS tune module is being opened and the system is being purged with leucine encephalin) 00:00 - 00:33

**● 66091\_screenshot\_3.MP4**

○ 2.7.1 (The flow rate is being set in the LockSpray Flow Control panel and the Flow button is being clicked) 00:00 - 00:12

**● 66091\_screenshot\_4.MP4**

○ 2.7.2 (The LockSpray Source Setup button is being clicked) 00:00 - 00:16

**● 66091\_screenshot\_5.MP4**

○ 2.8.1 (The negative icon is being clicked then LockSpray Source Setup is being pressed) 00:00 - 00:08

**● 66091\_screenshot\_6.MP4**

○ 2.9.1 (A sequence table is being setup and Save is being clicked) 00:00 - 00:11

**● 66091\_screenshot\_7.MP4**

○ 2.9.2 (The Run button and Start buttons are being pressed in sequence) 00:00 - 00:06

**● 66091\_screenshot\_8.MP4**

○ 2.9.3 (The Acquire sample data only option is being selected and OK is being pressed) 00:00 - 00:06

**● 66091\_screenshot\_9.MP4**

○ 2.10.1 (The Chromatogram button is being clicked top open a real time TIC) 00:00 - 00:04

**● 66091\_screenshot\_10.MP4**

○ 2.10.2 (The Display button and the TIC buttons are being clicked in sequence then the BPI Chromatogram option is being selected) 00:00 - 00:07

**● 66091\_screenshot\_11.MP4**

○ 2.10.3 (OK is being clicked to show the base peak chromatogram) 00:00 - 00:04

**● 66091\_screenshot\_12.MP4**

○ 2.11.1 (The data analysis software is being launched) 00:00 - 00:20

**● 66091\_screenshot\_13.MP4**

○ 2.11.2 (The My Work button and the Import MassLynx Data button are being clicked to enter the child window) 00:00 - 00:10

**● 66091\_screenshot\_14.MP4**

○ 2.12.1 (The raw data files are being selected and the sample set name is being entered) 00:00 - 00:23

**● 66091\_screenshot\_15.MP4**

○ 2.12.2 (The Create UNIFI Sample Set button is being clicked to import the raw MS spectral data) 00:00 - 00:07

**● 66091\_screenshot\_16.MP4**

○ 2.13.1 (The Administration button is being clicked then the Import library items button is being pressed) 00:00 - 00:25

**● 66091\_screenshot\_17.MP4**

○ 2.13.2 (The database template file format is being selected and the separated compound structures format is being) 00:00 - 00:11

**● 66091\_screenshot\_18.MP4**

○ 2.14.1 (The database name is being entered and Verify is being pressed) 00:00 - 00:49

**● 66091\_screenshot\_19.MP4**

○ 2.14.2 (Import is being clicked to finish the database build) 00:00 - 01:01

**● 66091\_screenshot\_20.MP4**

○ 2.15.1 (The Create analysis method button is being pressed followed by the Generate a process only method button) 00:00 - 00:39

**● 66091\_screenshot\_21.MP4**

○ 2.16.1 (The Create analysis button is being pressed to open a child window) 00:00 - 00:12

**● 66091\_screenshot\_22.MP4**

○ 2.16.2 (The Create analysis from existing data button is being clicked and the imported data and established method are being selected) 00:00 - 00:39

**● 66091\_screenshot\_23.MP4**

○ 2.17.1 (The Process button is being pressed and long data calculation is being seen) 00:00 - 00:16

**● 66091\_screenshot\_24.MP4**

○ 2.17.2 (Investigate button is being pressed to switch to TIC window) 00:00 - 00:09

**● 66091\_screenshot\_25.MP4**

○ 2.18.1 (The Select traces button is being pressed and the TOF MSE BPI option is being clicked) 00:00 - 00:07

**● 66091\_screenshot\_26.MP4**

○ 2.18.2 (The Replace all button is being clicked to view the BPI) 00:00 - 00:04

**● 66091\_screenshot\_27.MP4**

○ 2.19.1 (The Add column option is being clicked followed by Display compound information) 00:00 - 00:07

**● 66091\_screenshot\_28.MP4**

○ 2.19.2 (The compound name, natural mass, observed m/z, mass error, observed retention time, detector counts, response, adducts, alternate assignments, and total number of fragments found are being seen) 00:00 - 00:38

**● 66091\_screenshot\_29.MP4**

○ 2.20.1 (the High-energy fragments option is being selected and the secondary mass spectrum fragments are being seen) 00:00 - 00:14

**● 66091\_screenshot\_30.MP4**

○ 2.20.2 (The molecular cleavage paths are being manually drawn) 00:00 - 00:25