LTQ-Orbitrap data analysis workflow/protocol: SILAC for Target ID

6 .raw files in a folder

DTA supercharge
extract_msn.exe

DTA files
(MS/MS peak lists)

6 .mgf files
(Mascot MS/MS peak list)

multirawprepare.pl

1 combined .mgf file
(Mascot MS/MS peak list)

Mascot search

Mascot result

MRL + Cacher Daemon
runs .master_results.pl to generate server local copy of .html result file

saved Mascot .html file

M Mascot result launcher + Cacher Daemon (runs on Mascot Server)

Needs software:
- run-pipeline.pl (runs DTAsupercharge, multirawprepare.pl, submits combined.mgf for Mascot Search, retrieves .html result file)
- multirawprepare.pl
- extract.msn.exe
- DTAsupercharge
- MSQuant

Quantitation results saved as binary (.mb3) and .txt file