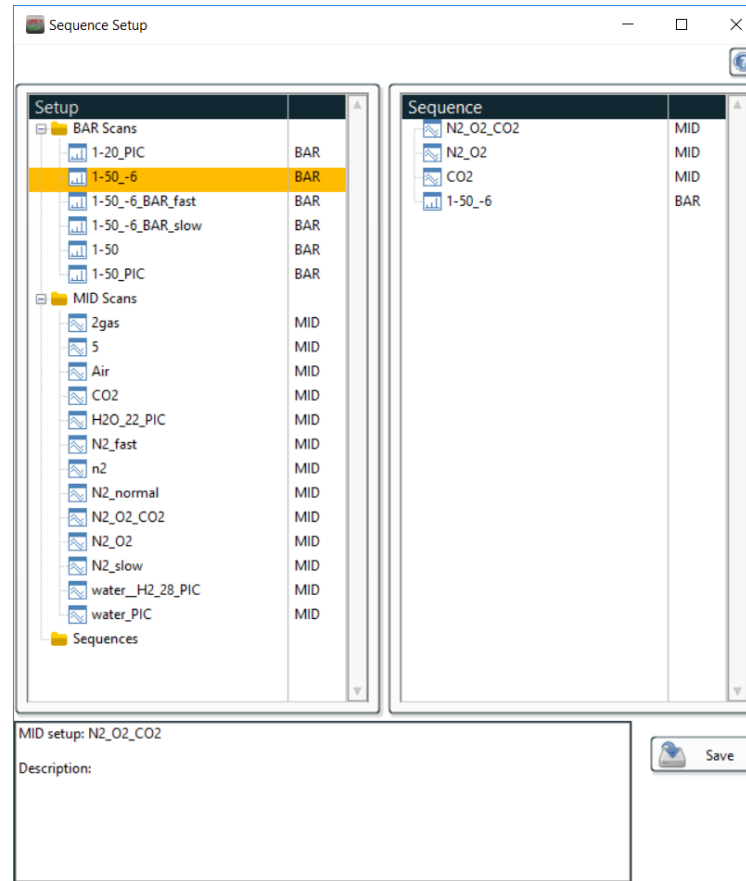


Hideen EGAsoft

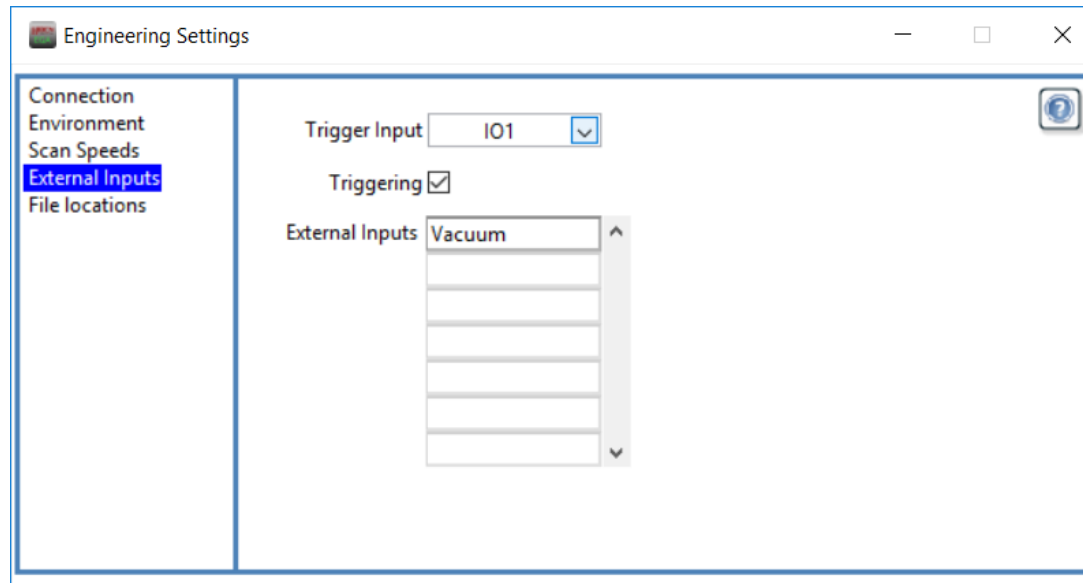
**Data Acquisition software for TGA-MS
Applications**

Auto Sequencing Software



Configure a sequence of optimised scans for multiple stage analysis. Scans separated by start/stop signal

Simple Stop/Start Command Setup



Auto Start/Stop
setup configured
by simple switch
control

Configure Multiple Bar Scans

The screenshot shows a software window titled "BAR Scan Setup" with a standard Windows-style title bar (minimize, maximize, close buttons). The window contains a table for configuring bar scans. The first row is for the main scan, and the following two rows are for "Subscan 2" and "Subscan 3". Each row has a green "Enabled" button, followed by input fields for "Start Mass" (1), "Stop Mass" (50), a dropdown for "Detector" (Faraday), and spinners for "Aurorance High" (-5), "Aurorance Low" (-10), and "Start Range" (-5). The "Electron Energy" is set to 70, "Emission Current" to 400, "Settle Time" to Normal, and "Dwell Time" to Normal. At the bottom, there are "Save" and "Load" buttons with folder icons.

	Start Mass	Stop Mass	Detector	Aurorance High	Aurorance Low	Start Range	Electron Energy	Emission Current	Settle Time	Dwell Time
Enabled	1	50	Faraday	-5	-10	-5	70	400	Normal	Normal
Subscan 2	1	50	Faraday	-5	-10	-5	70	400	Normal	Normal
Subscan 3	1	50	Faraday	-5	-10	-5	70	400	Normal	Normal

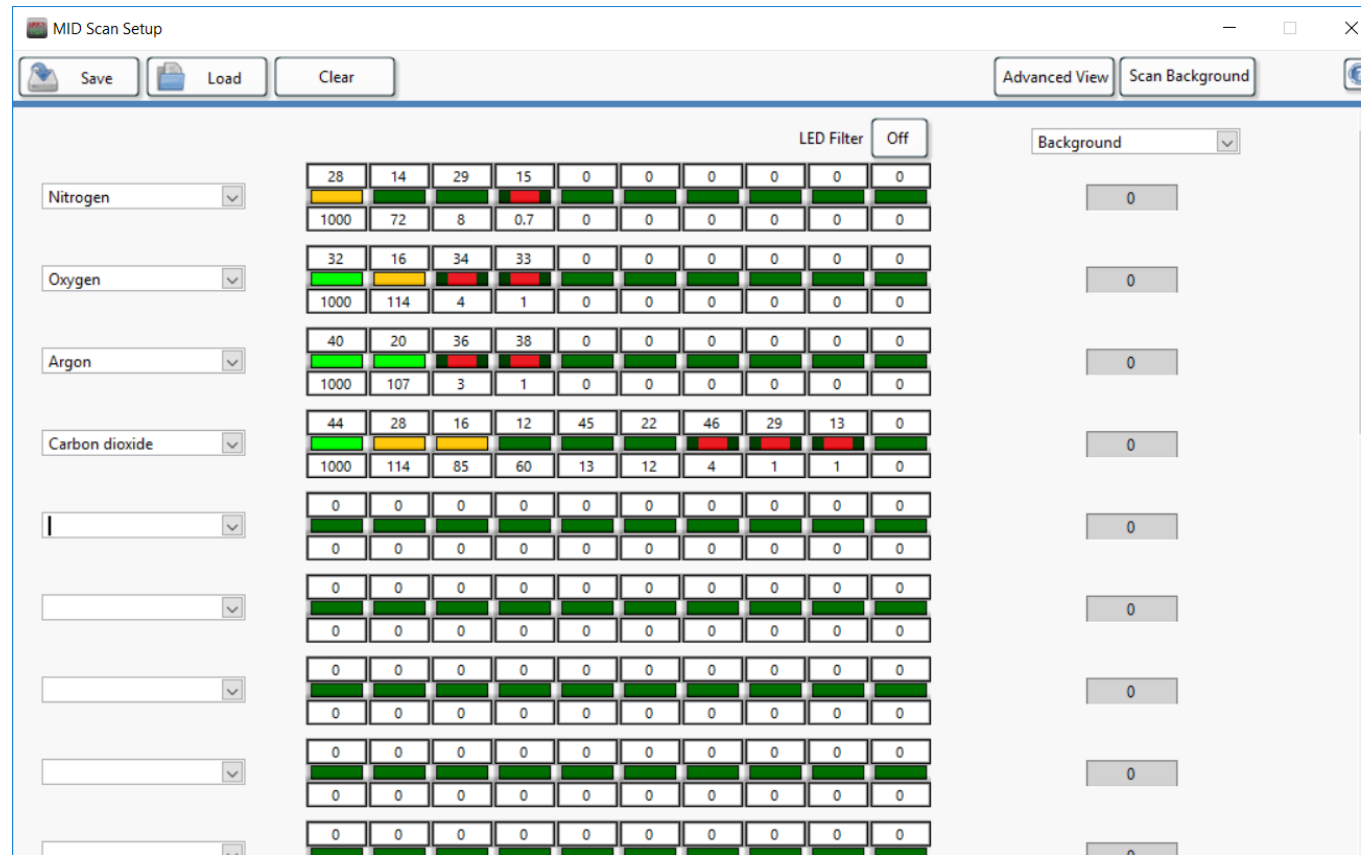
Save Load

Bar scan setup – run up to 3 bar scans at a time.

The mass regions of interest are scanned, the parts of the mass range of no interest are ignored, reducing the data acquisition time.

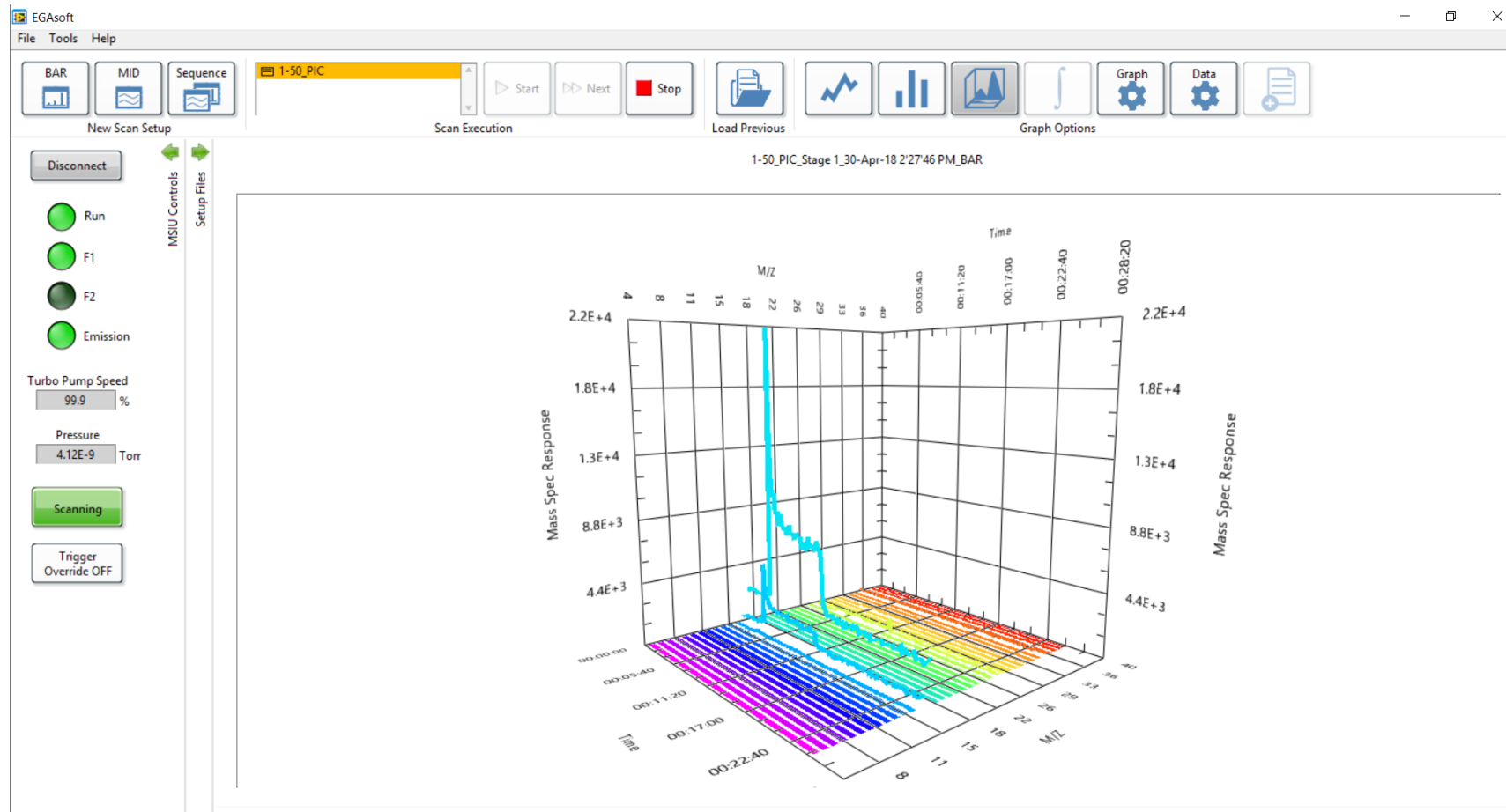
Mass spectrometer parameters can be optimised for each part of the scan.

MID Setup



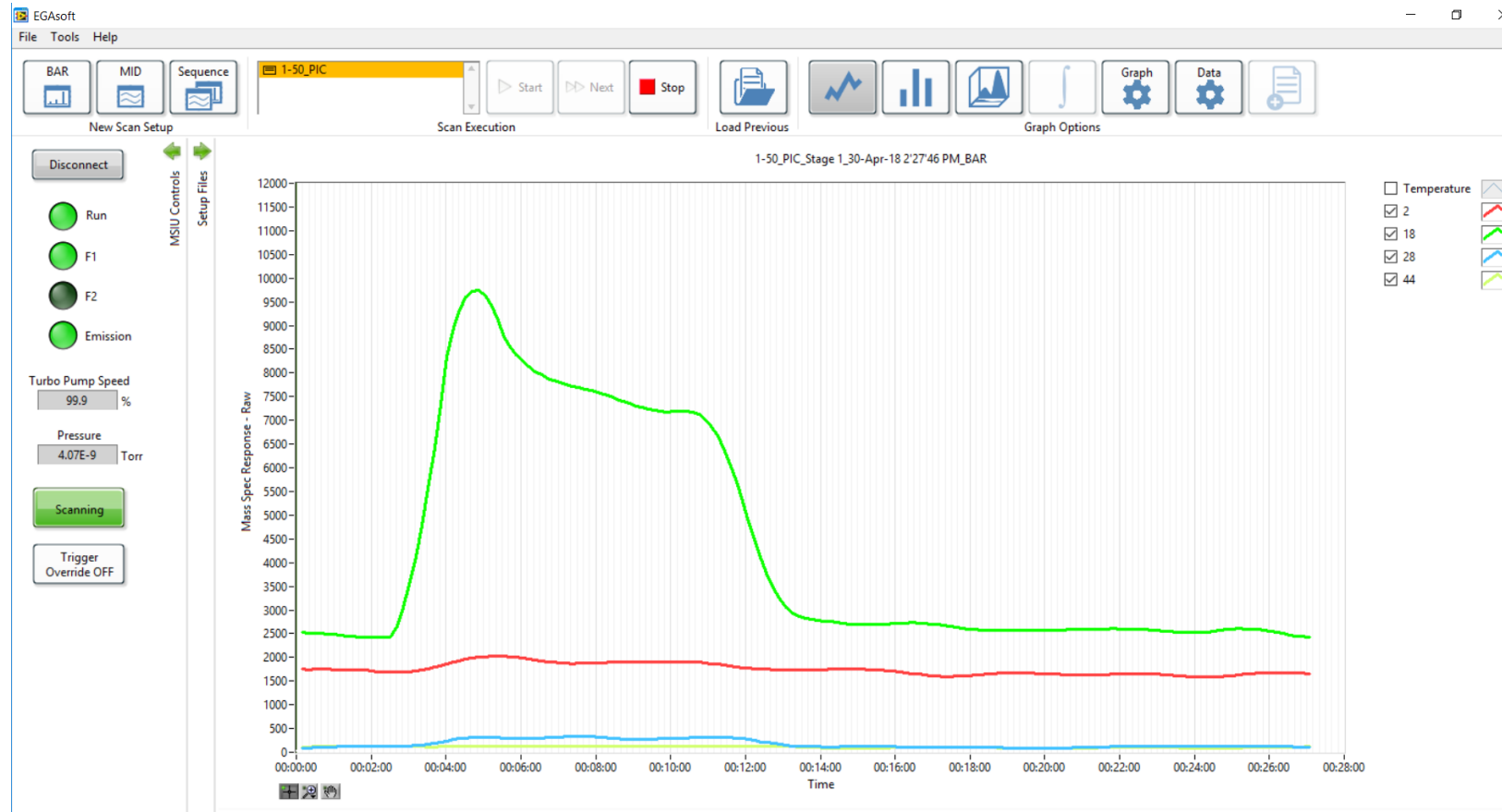
MID scan setup
Automatic removal of spectral overlaps

3D Bar Scan Viewer



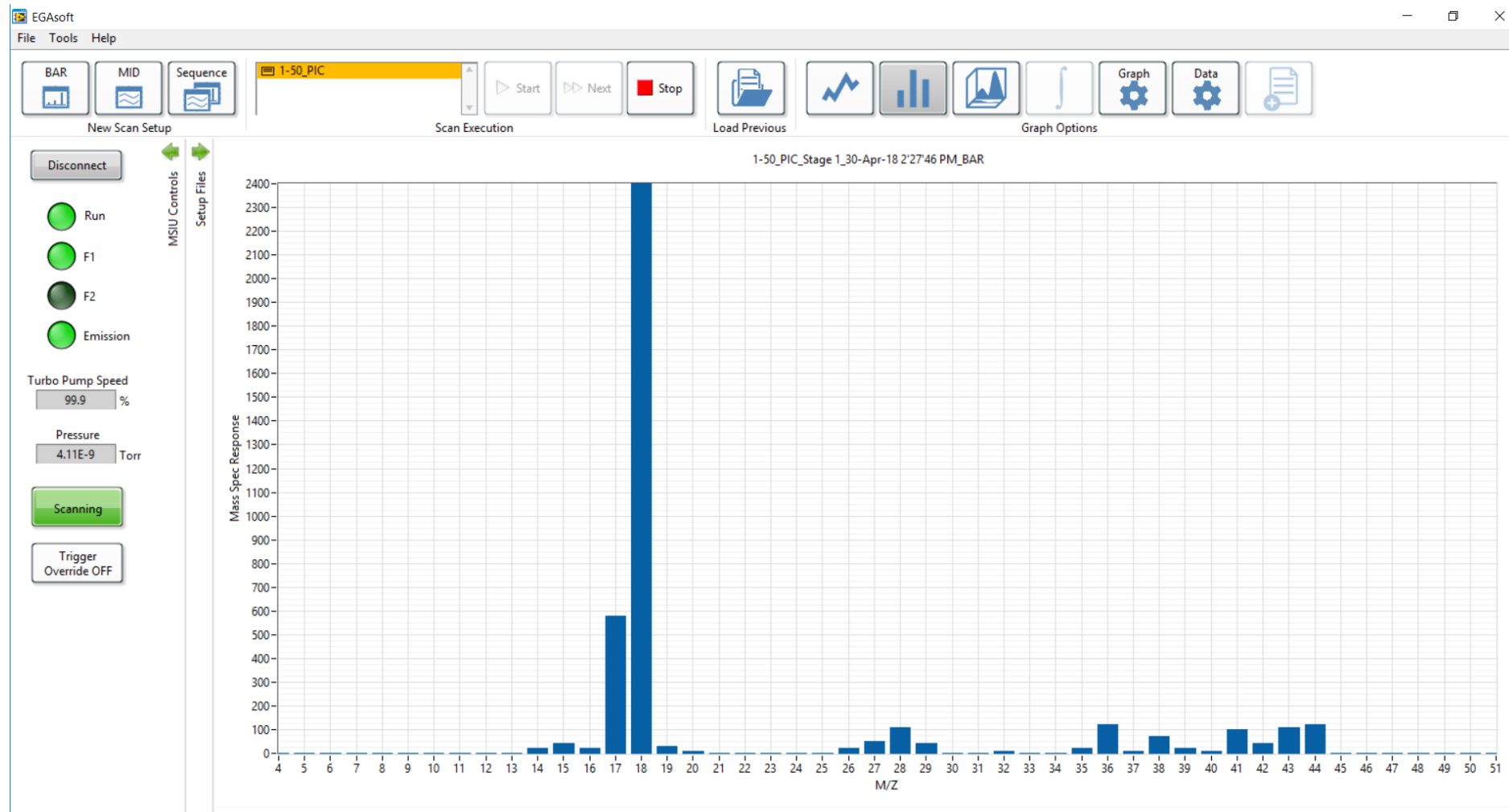
Real time 3D data viewer for easy determination of bar scan trends

MID View

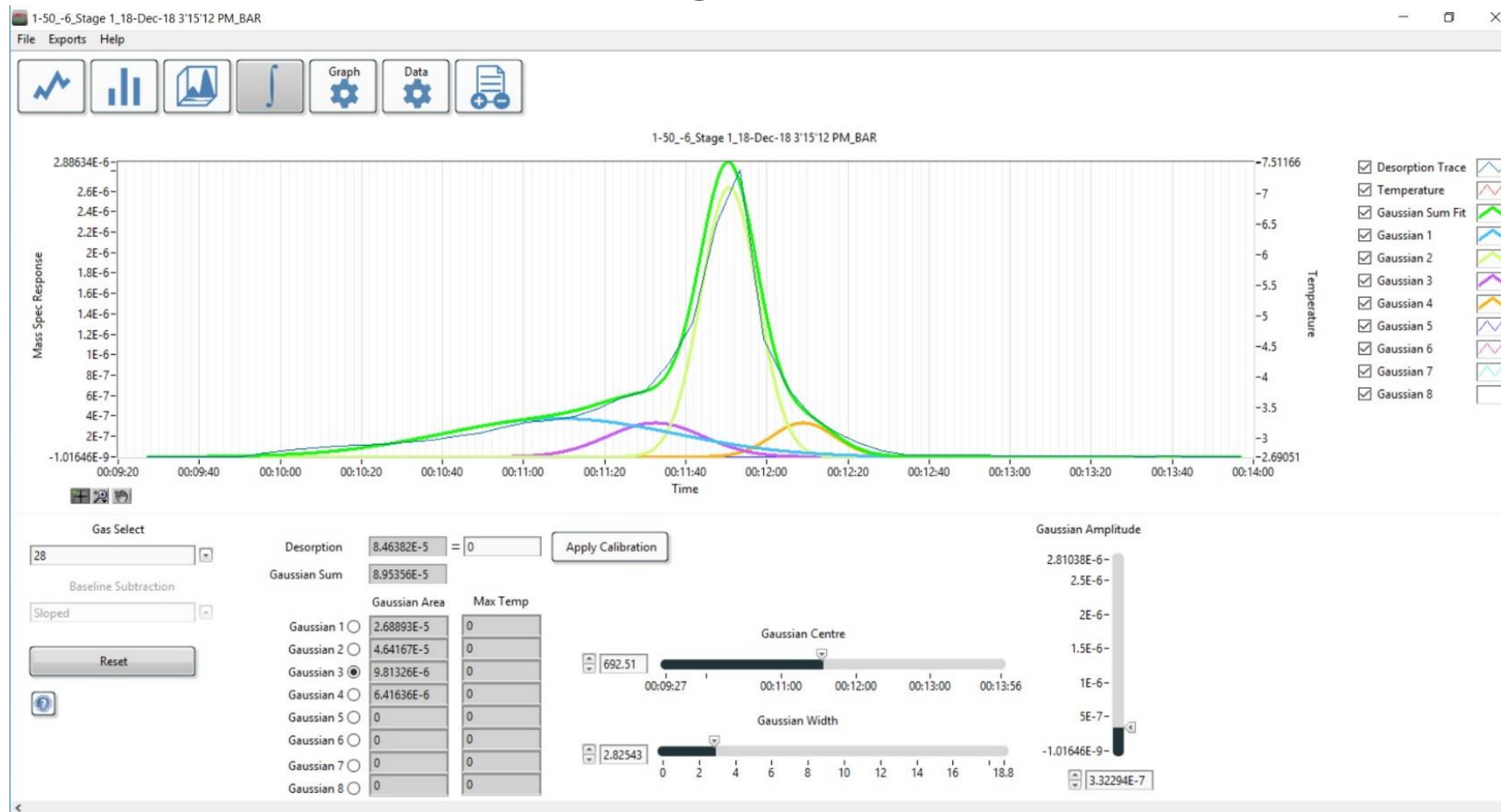


Simple MID setup - display up to 16 trends at a time

Bar View

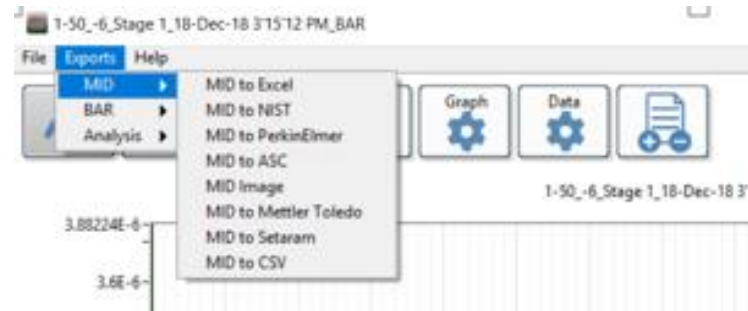


Data Analysis Software



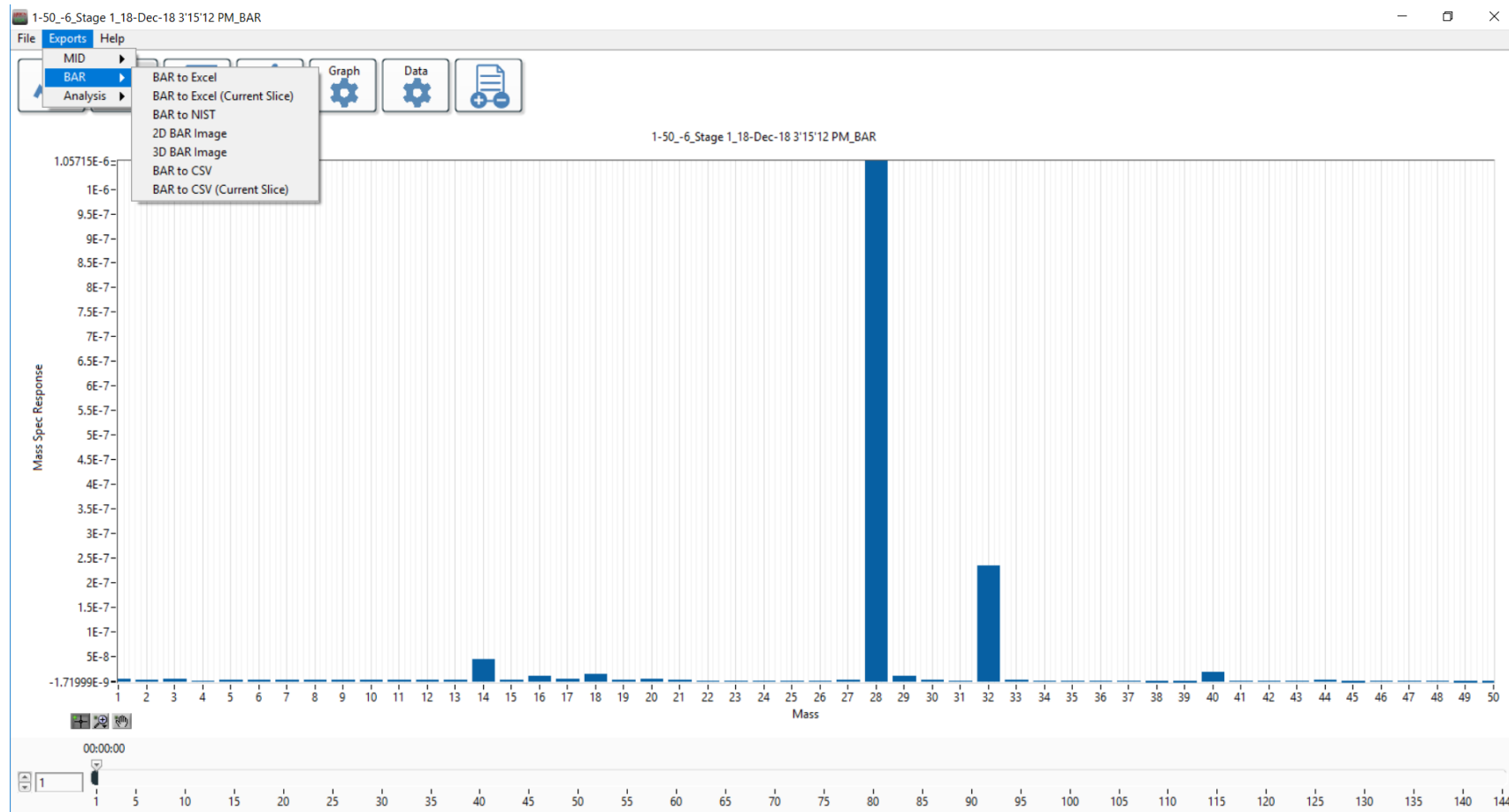
Peak integration/fitting routines

Data Export Facility

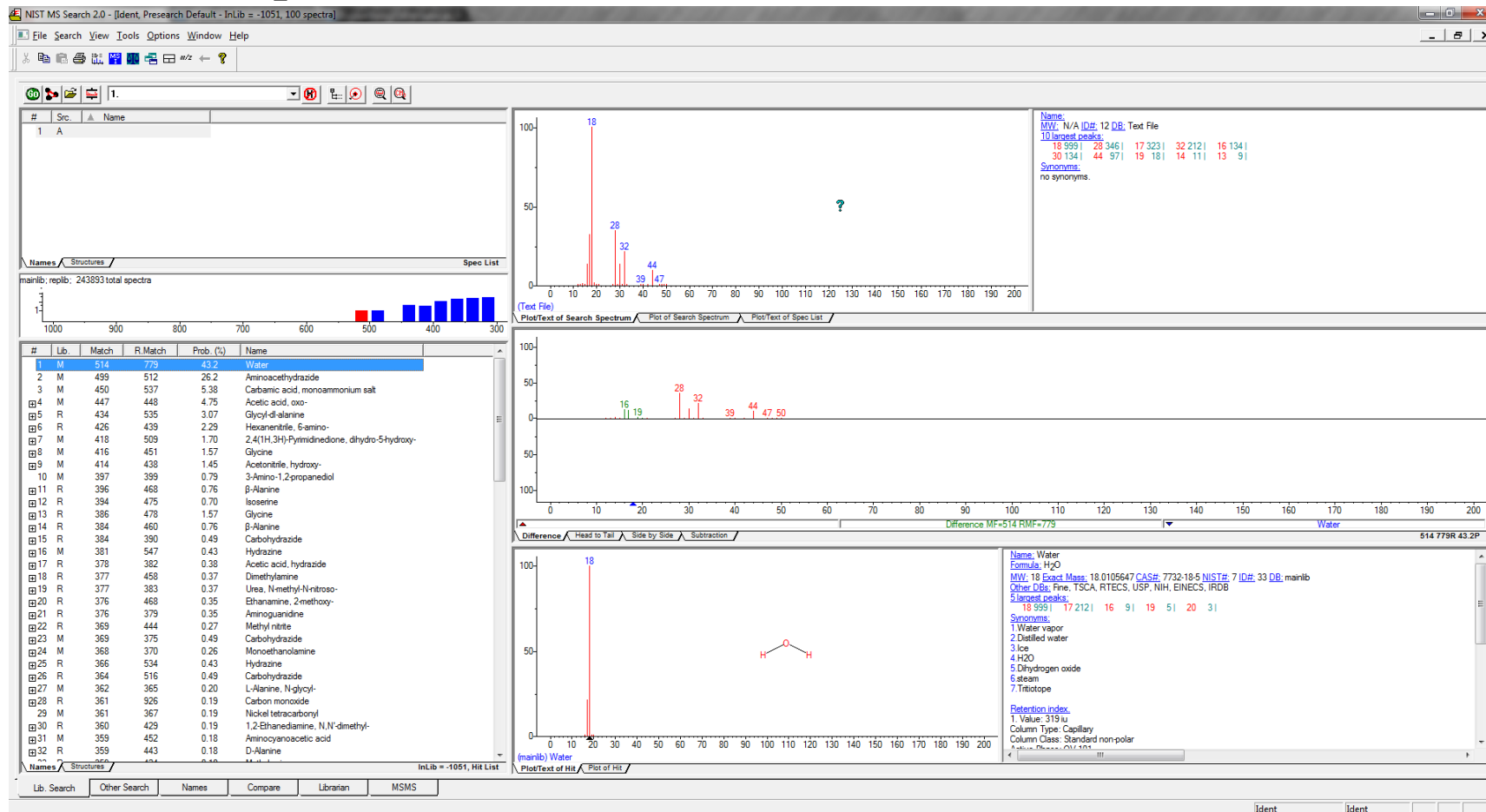


- Export to correct format for import to TGA software
- Export to Excel
- Export to NIST MS library:
 - Two methods included:
 1. Complete spectra from selected BAR scan
 2. Selected peaks from MID view

NIST export from a selected BAR scan

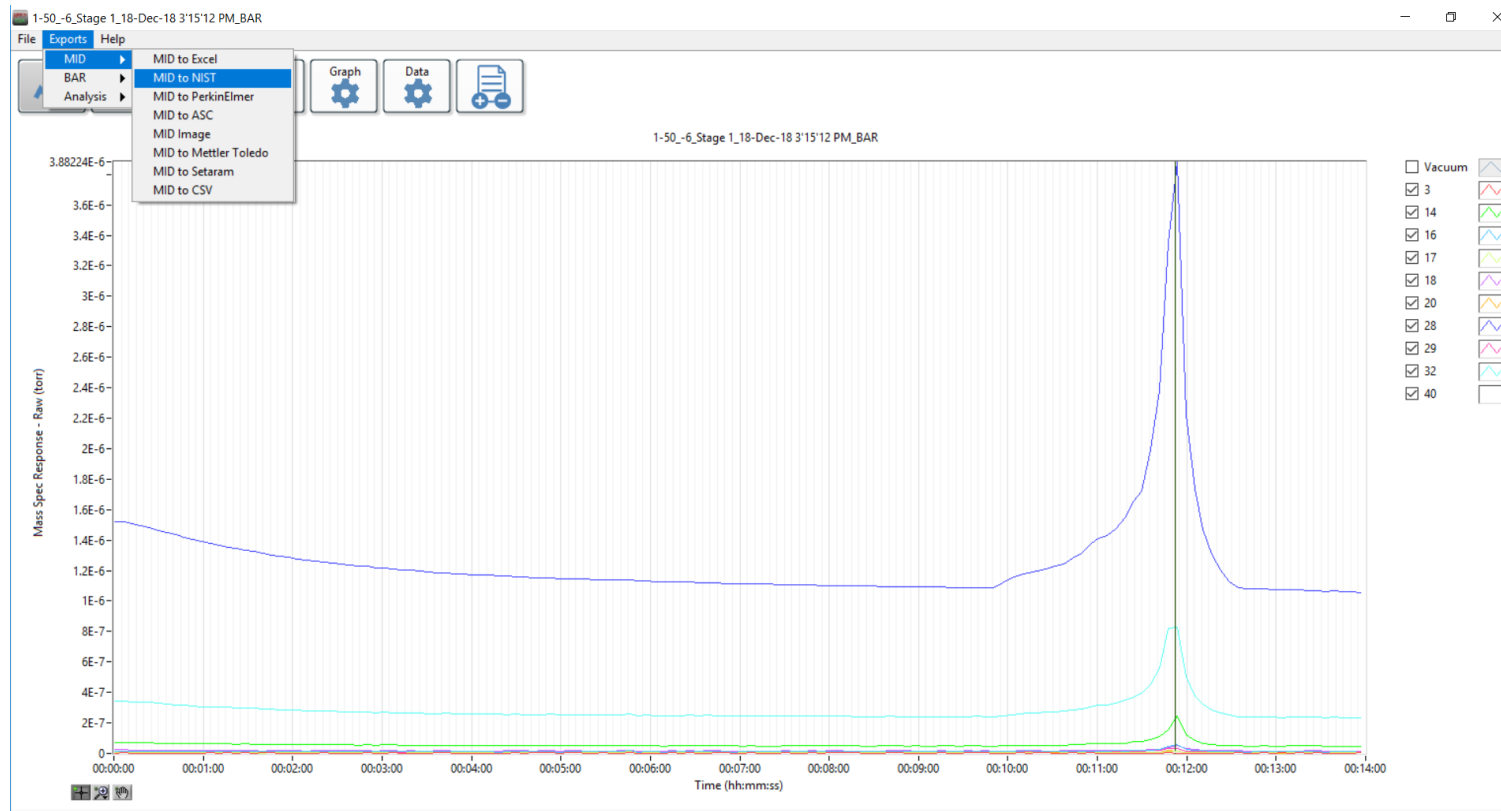


NIST import from a selected BAR scan



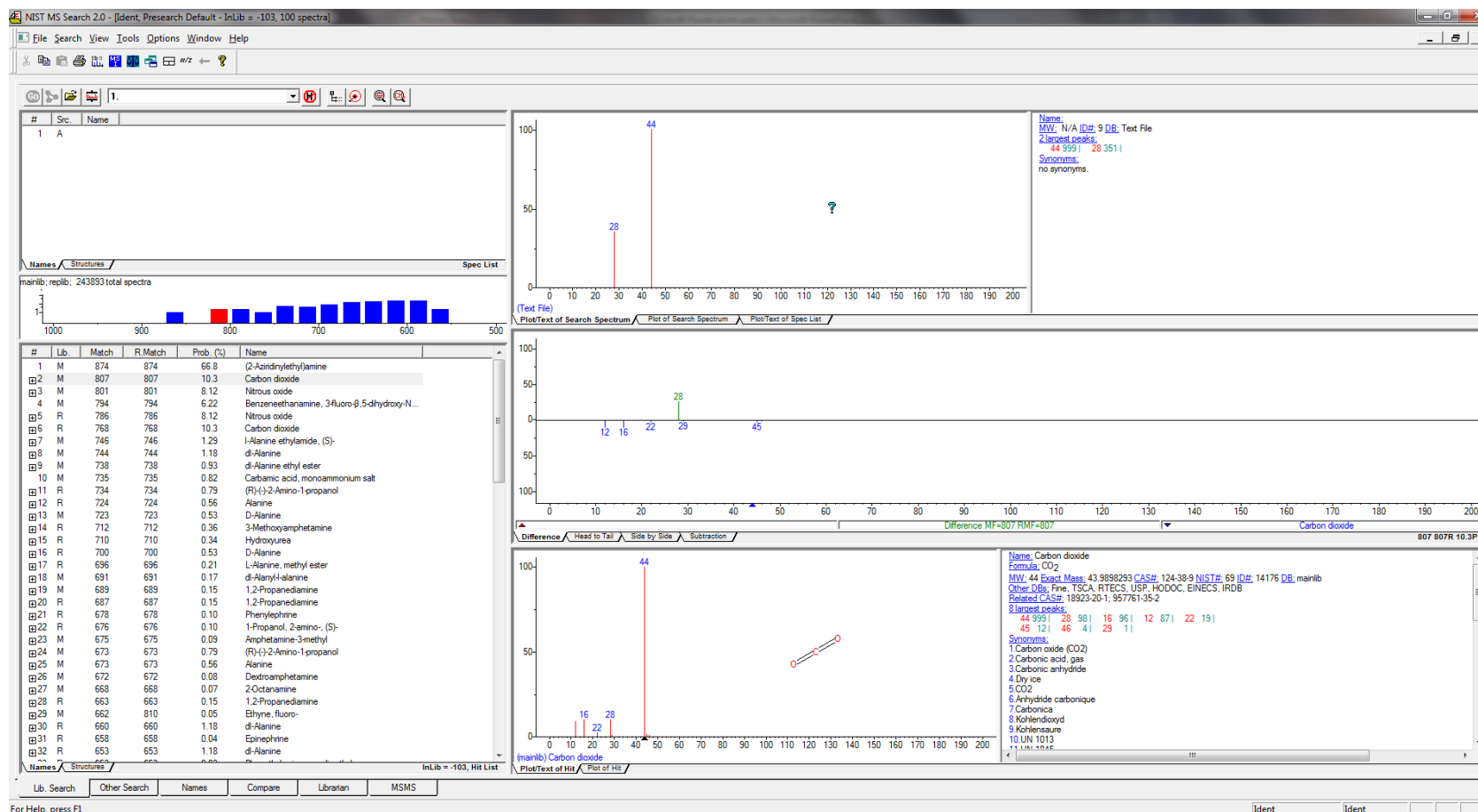
When importing a Bar scan the whole mass spectrum is used in the NIST search routine

MID View - export to NIST



Simple MID setup - display up to 16 trends at a time

NIST with imported selected MID peaks



Importing MID peaks allows the user to choose groups of peaks to narrow the NIST search