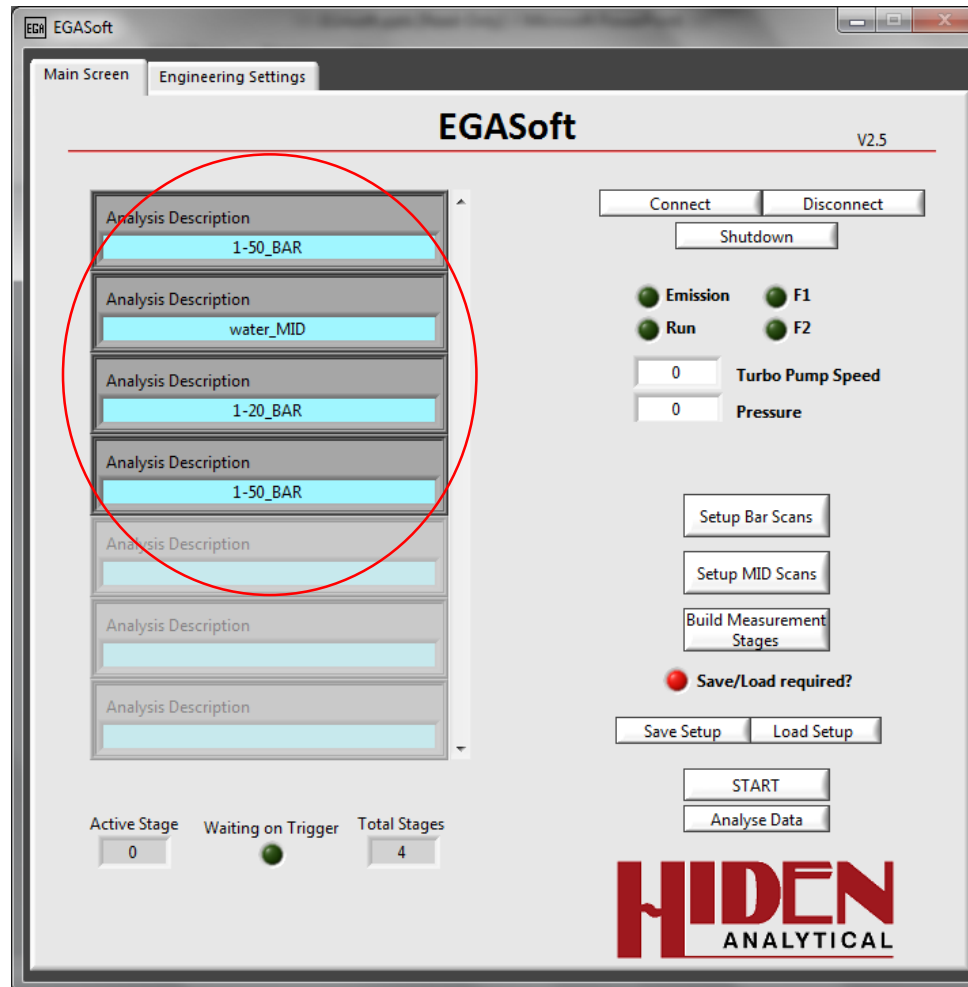


Hideen EGAsoft

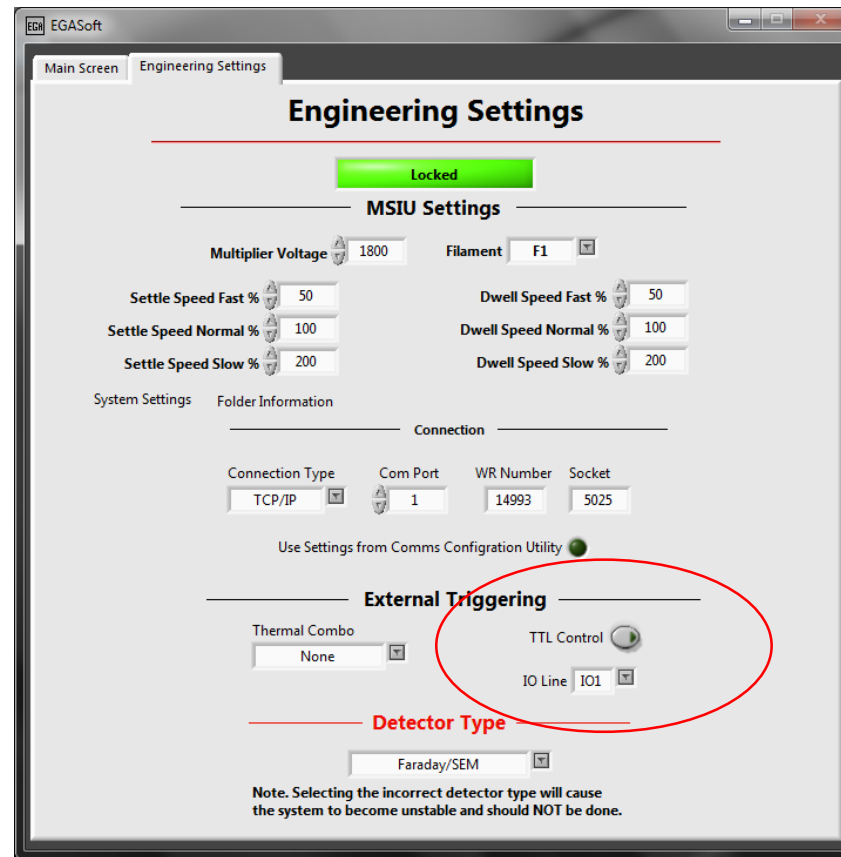
**Data Acquisition software for TGA-MS
Applications**

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 displays the 'BAR Scan Setup' window, which is used to configure multiple bar scans. The window has a title bar with 'EDS BAR Scan Setup' and standard window controls. The main area is titled 'Bar Scan Settings' and contains three sections for configuring individual bar scans, separated by horizontal lines. Each section includes a table of parameters with adjustable values and dropdown menus.

	Start Mass	Stop Mass	Increment	Detector	Autorange High	Autorange Low	Start Range	AutoZero	Electron Energy	Emission Current	Settle Speeds	Dwell Time	
Bar Scan 1	Enabled	10	20	1	SEM	-7	-12	-8	ON	70	20	Normal	Normal
Bar Subscan 2	Enabled	30	45	1	SEM	-7	-12	-8	ON	70	20	Normal	Normal
Bar Subscan 3	Enabled	60	70	1	SEM	-7	-12	-8	ON	70	20	Normal	Normal

At the bottom of the window, there are three buttons: 'Save', 'Load', and 'Exit'.

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.vi

MID Setup

Gas 1: Water

18	17	16	2	20	19	0	0	0	0
999	230	11	7	3	1	0	0	0	0

Gas 2: Carbon monoxide

28	12	29	16	14	30	0	0	0	0
999	45	11	9	6	2	0	0	0	0

Gas 3: Carbon dioxide

44	28	16	12	45	22	46	29	13	0
999	114	85	60	13	12	4	1	1	0

Gas 4:

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Gas 5:

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Gas 6:

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Gas 7:

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Gas 8:

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

Page 2

Save Load

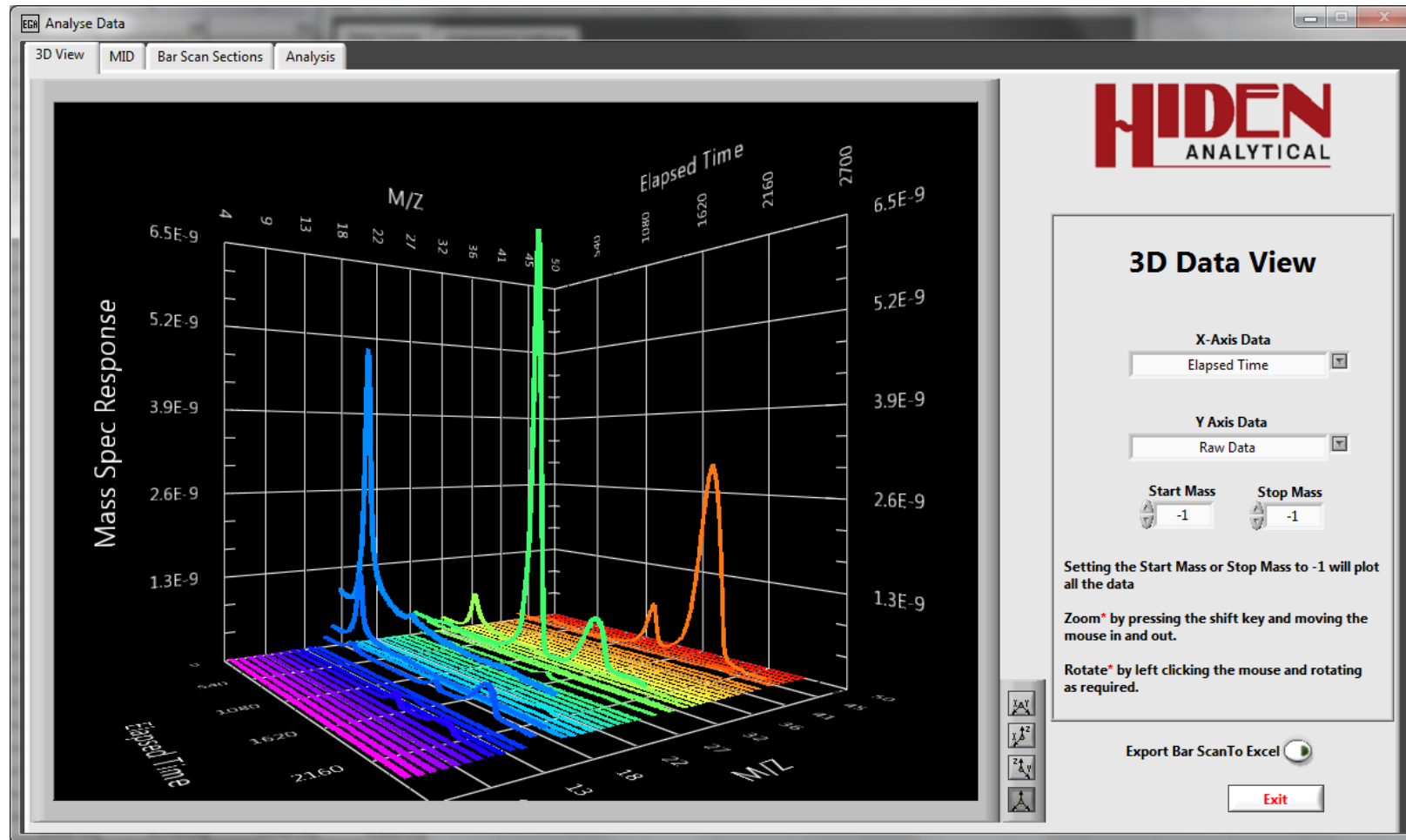
Exit

Show Advanced Settings

Show Limits

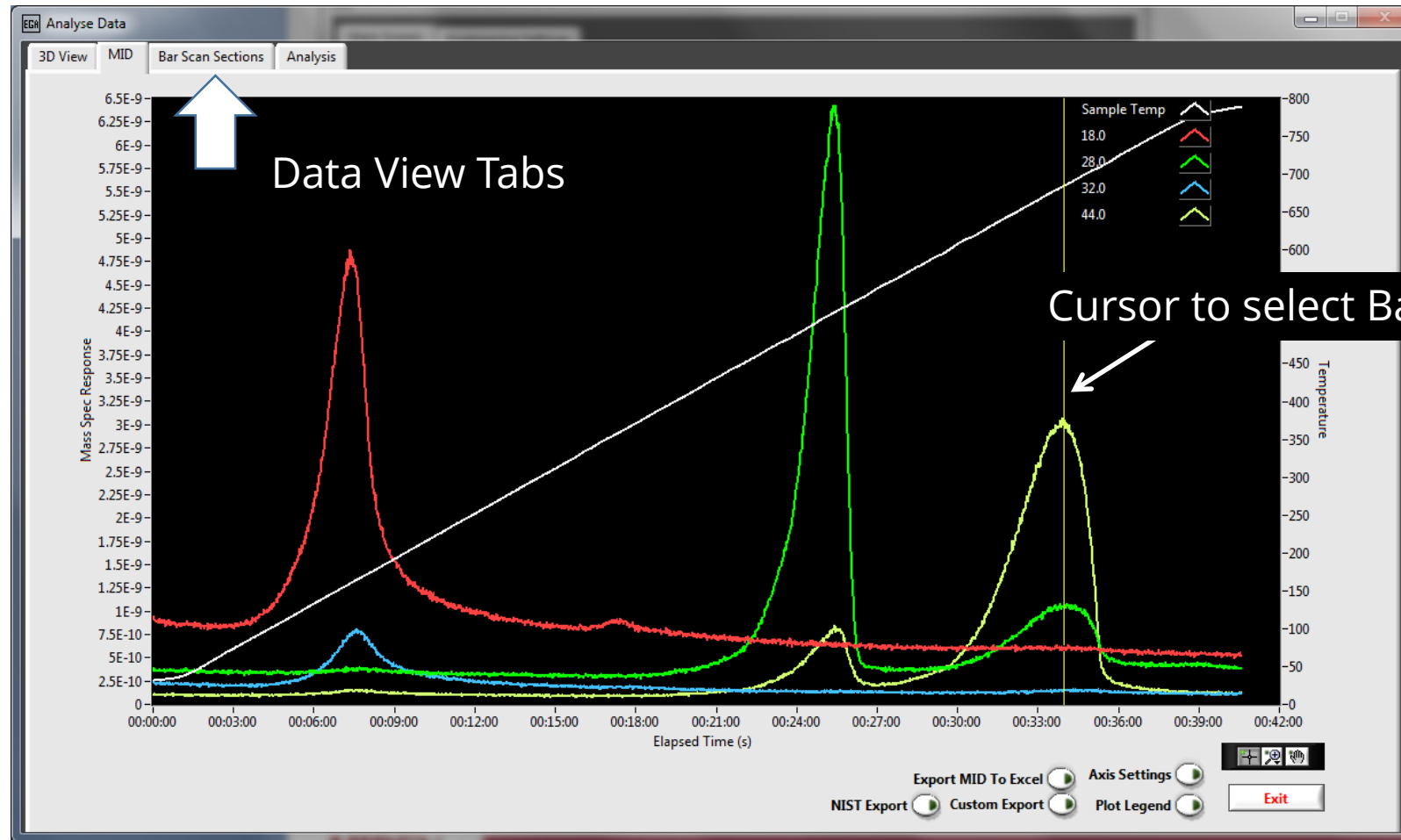
MID scan setup
Automatic removal of spectral overlaps

3D Bar Scan Viewer



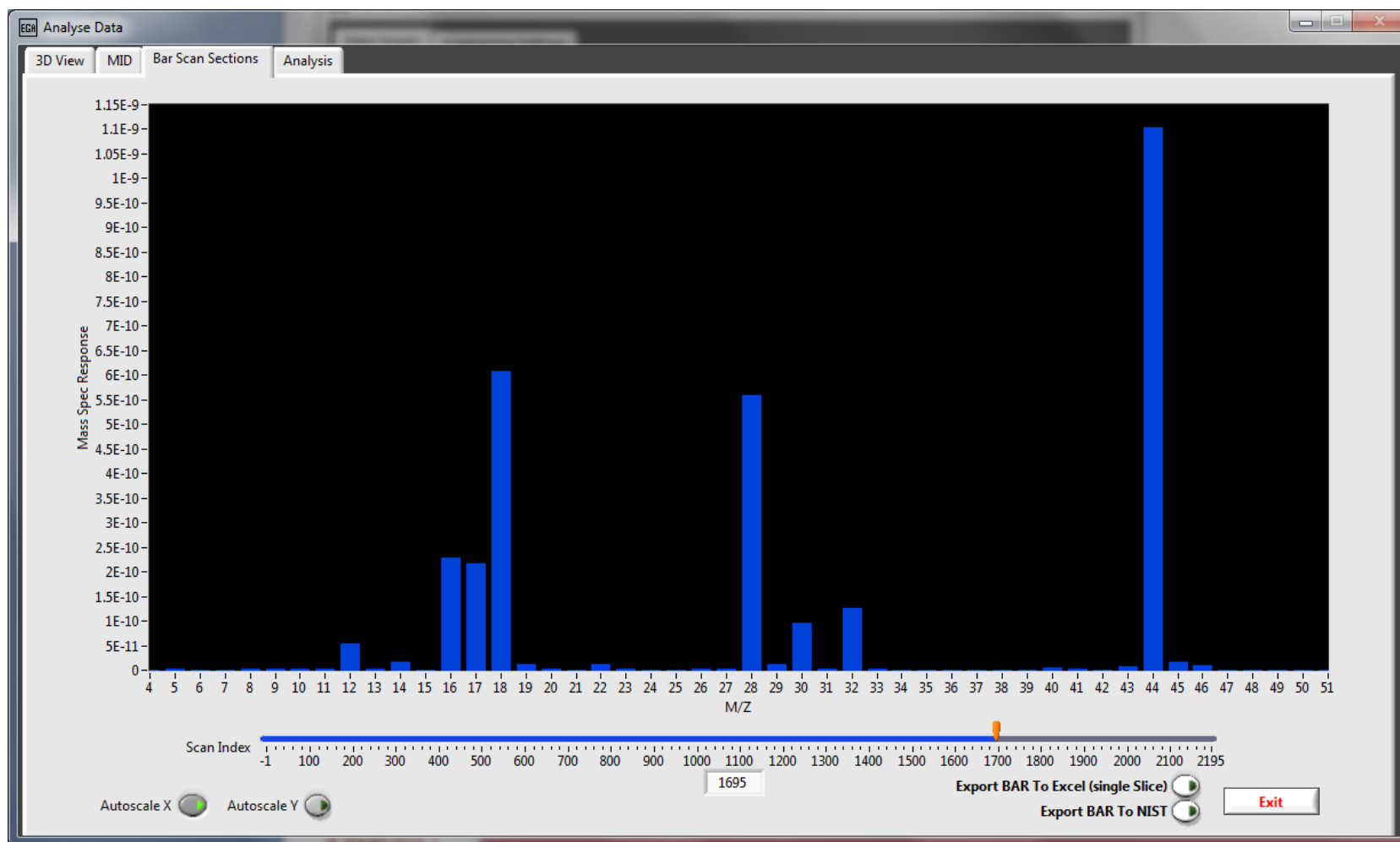
Real time 3D data viewer for easy determination of bar scan trends

MID View

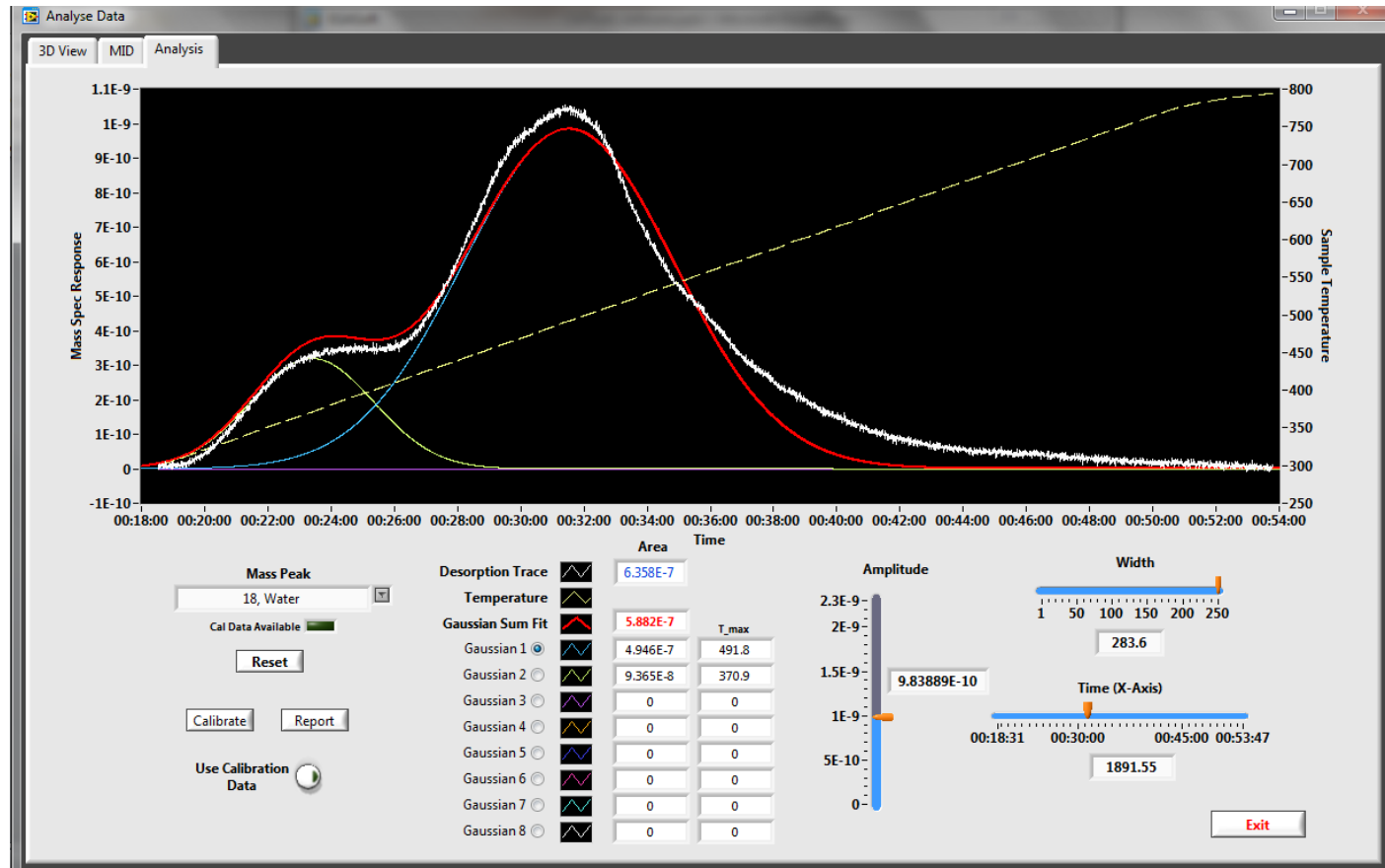


Simple MID setup - display up to 16 trends at a time

BAR View

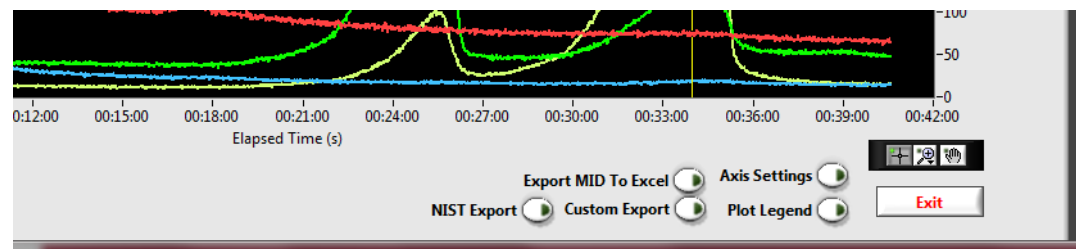


Data Analysis Software



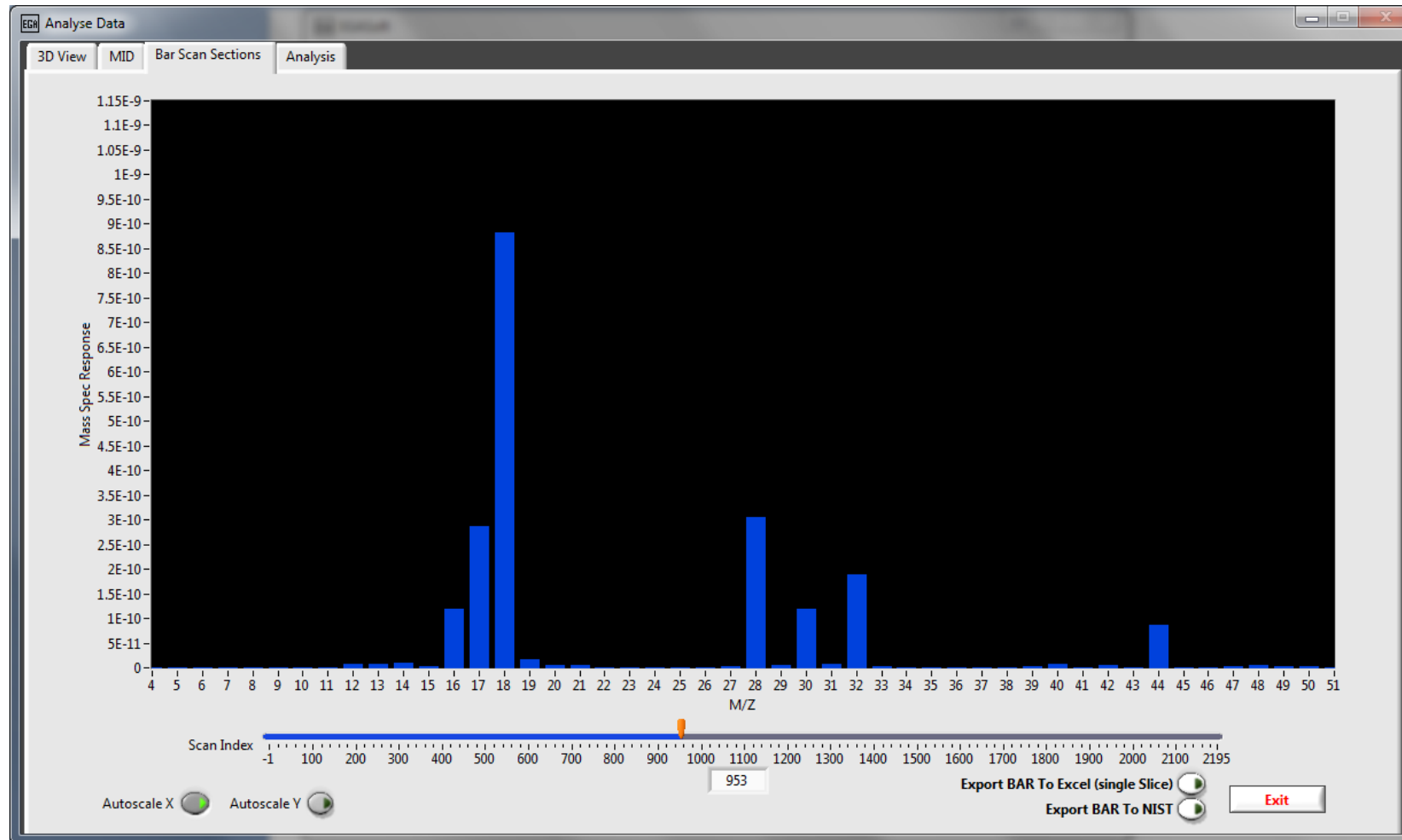
Peak integration/fitting routines

Data Export Facility

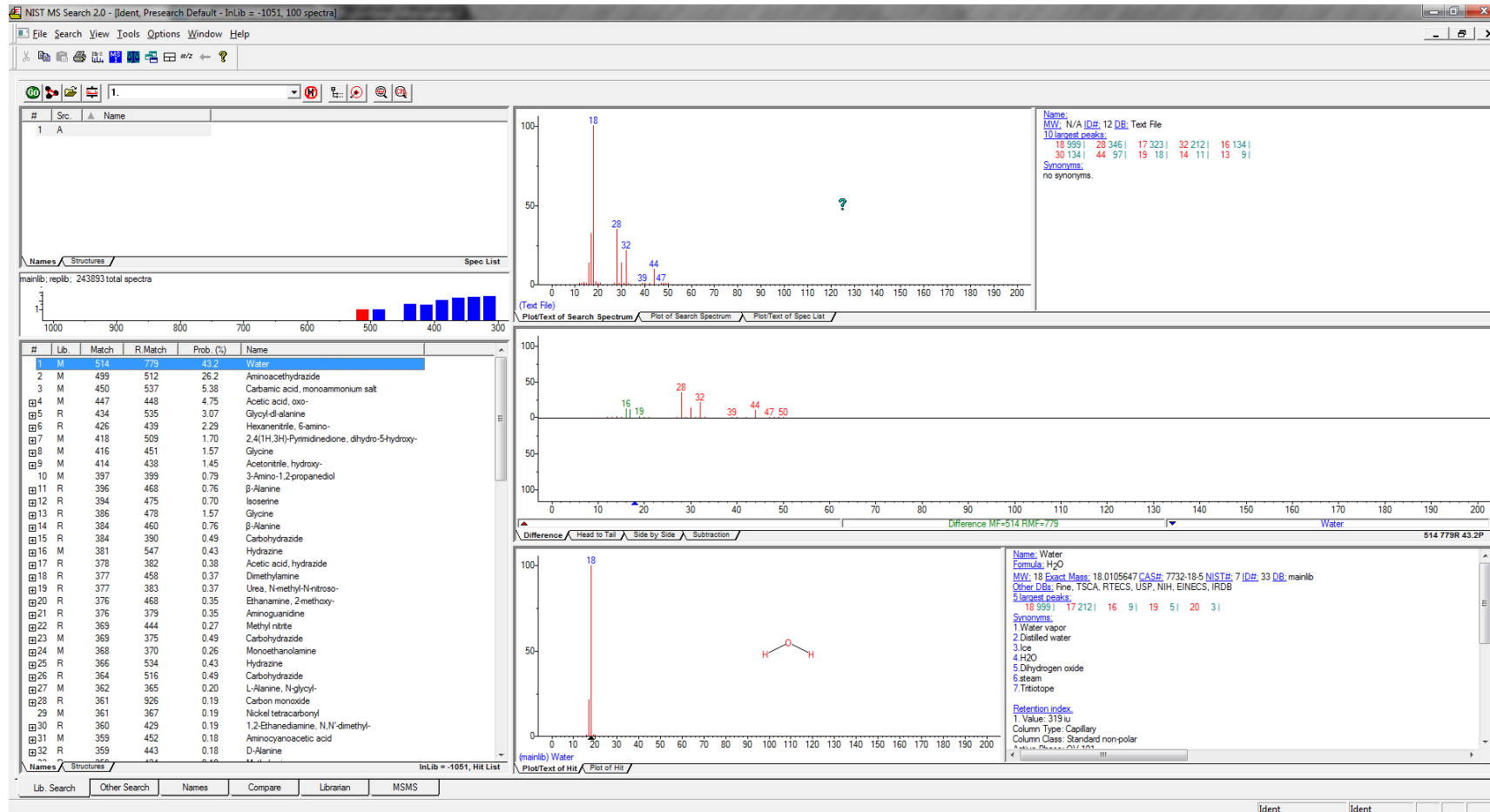


- Export to correct format for import to TGA software
- Export to Excel
- Export to NIST MS library:
 - Two methods included:
 1. Complete spectra from selected BAR scan
 2. Selected peaks from MID view

NIST export from a selected BAR scan

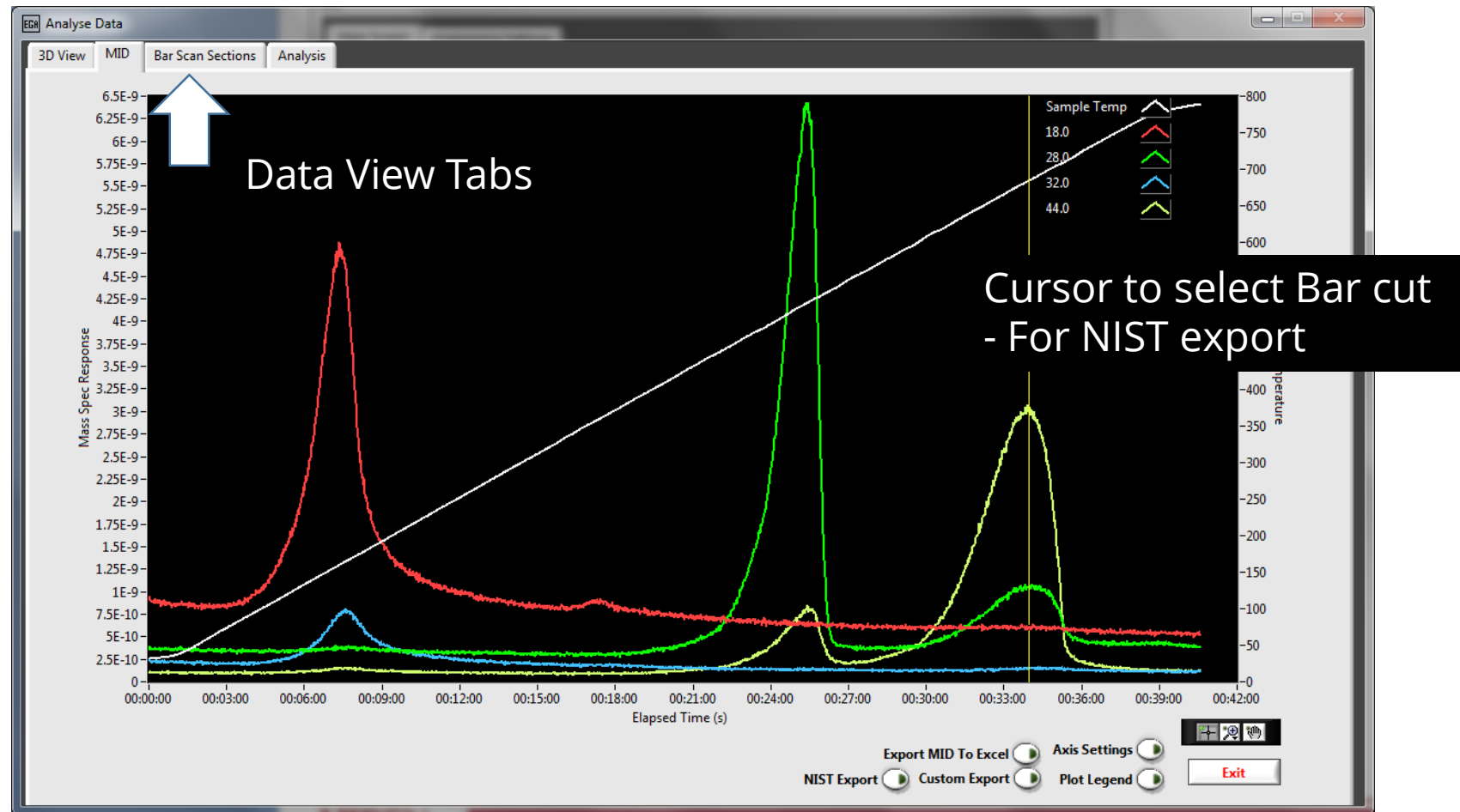


NIST import from a selected BAR scan



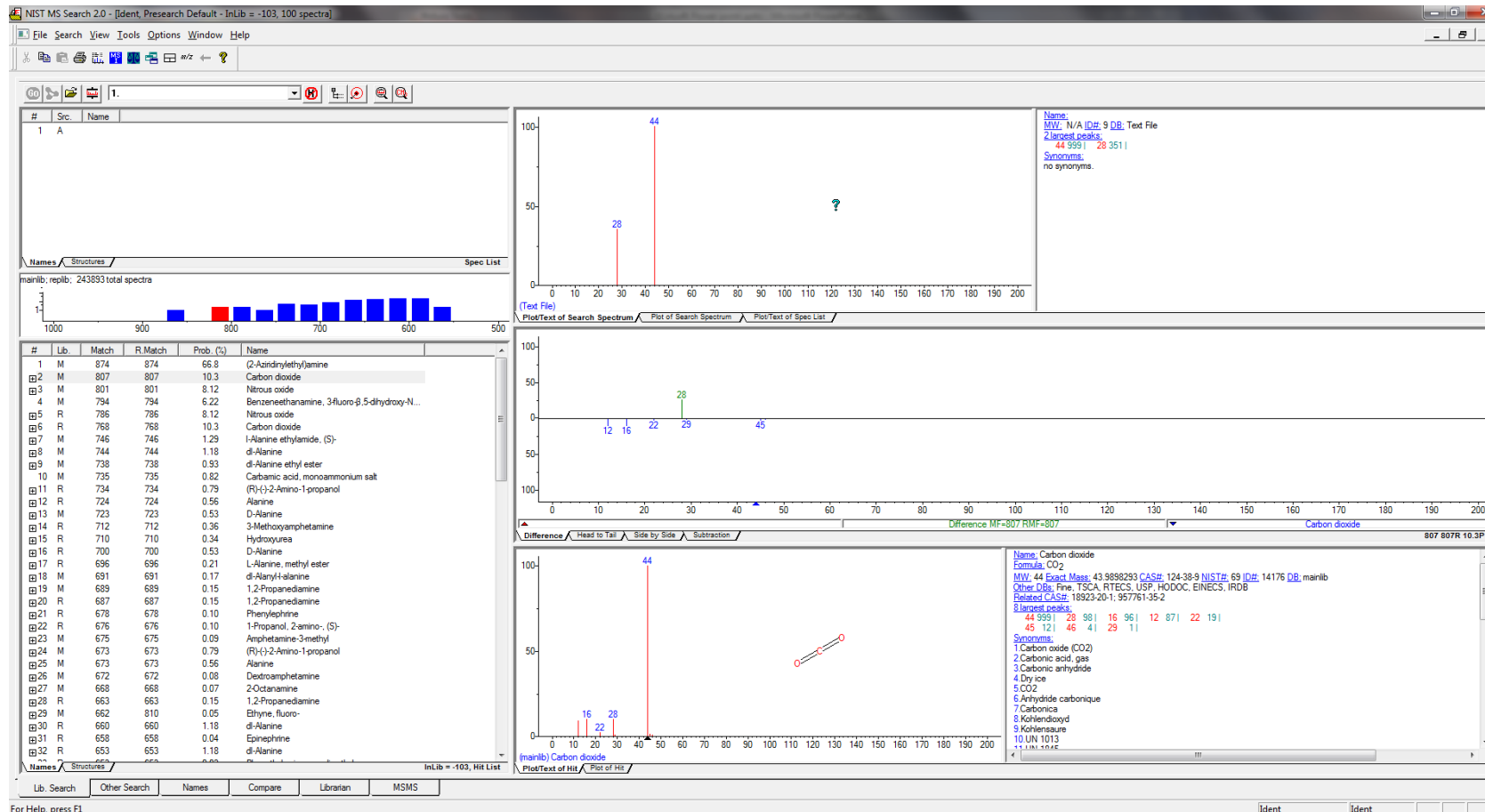
When importing a Bar scan the whole mass spectrum is used in the NIST search routine

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