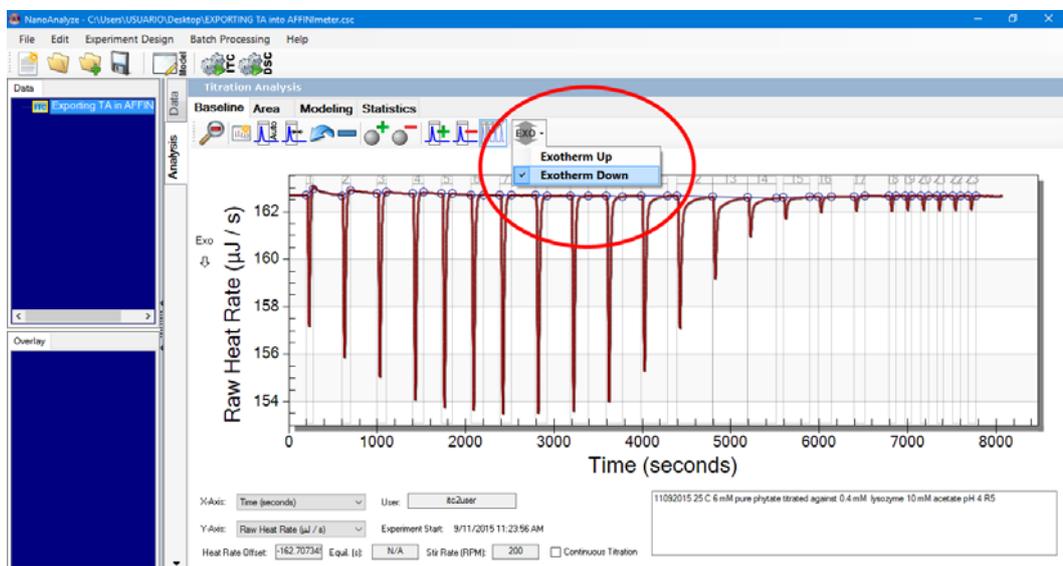


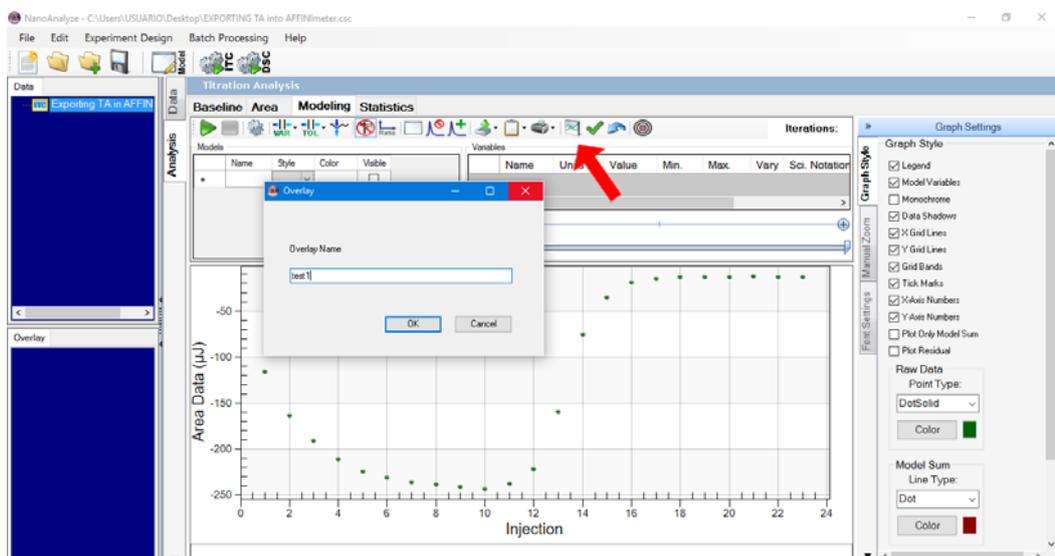


Exporting ITC files from “TA Instruments” NanoAnalyze software to upload into AFFINImeter.

1. **Open** the TA Instruments Nano Series File (.csc or .nitc) with TA NanoAnalyze Data Analysis Software.
2. Click in the “Analysis” Tab and, in the “Baseline” section, ensure that “**Exotherm Down**” is selected



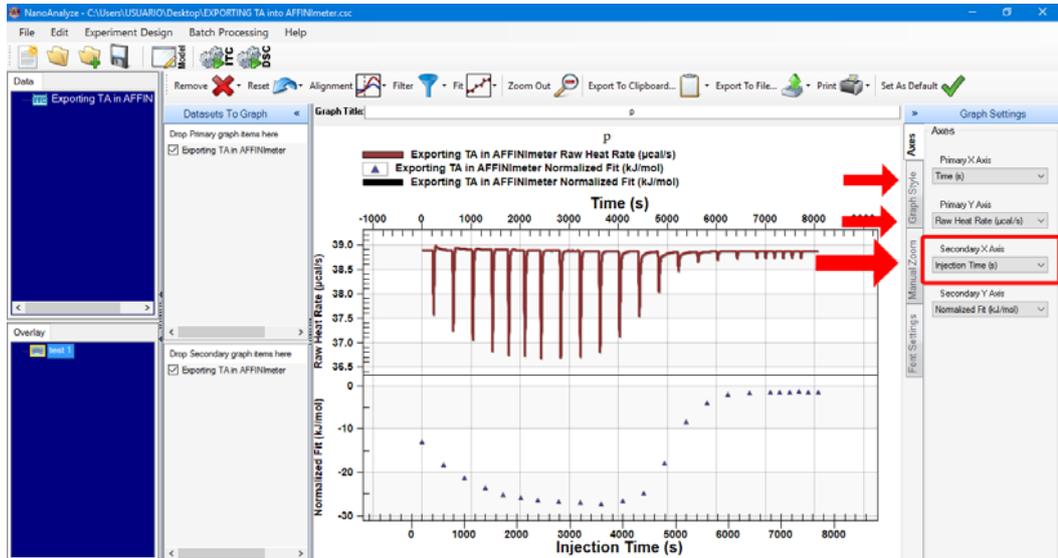
3. Go to “Modeling” section and press “**Create Overlay Graph**” button. Give a name to the overlay graph.



Note: If you do not see this button in your software go to “File” in the top menu and select “New Overlay Graph” or Ctrl+P.

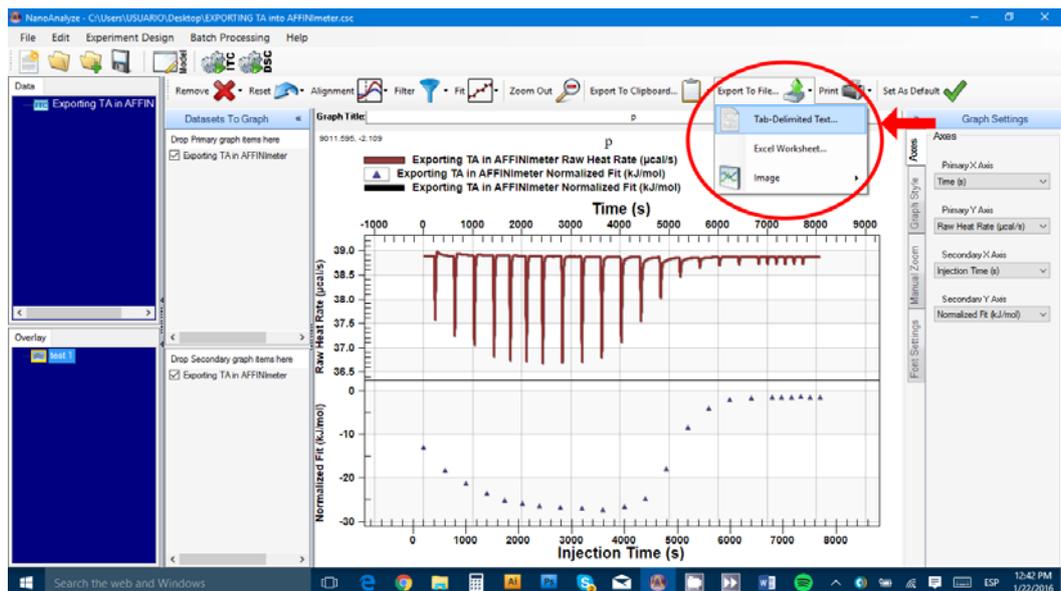
- In the Graph Settings (at the right side of the window), set the axes as follows in order to include the **injection time** in the exported file:

Primary X axis: Time (s)
Primary Y axis: Raw Heat Rate ($\mu\text{cal/s}$)
Secondary X Axis: Injection Time (s)
Secondary Y Axis: any option [irrelevant]

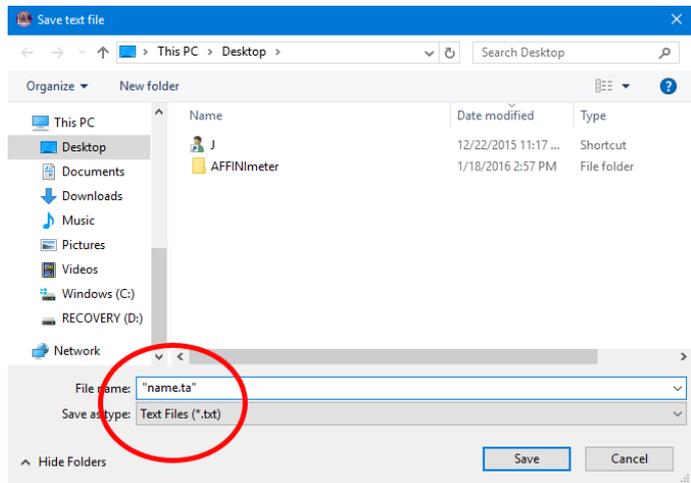


Note: You can set as default this export settings by clicking in the upper-right button.

- Export to data as a **tab-delimited** text file



- Name the file finished with a **.ta** termination. The full name should be written **between quotation marks** and saved as text file type.



- The exported file can be uploaded directly into AFFINImeter. You will need to type experimental parameter of the measurement (syringe and cell concentrations, cell volume, temperature, number of injections and injections volumes). You can find this information in the "Area" section of the "Analysis" tab.

NanoAnalyse - untitled

File Edit Experiment Design Batch Processing Help

99092016-10 s 6 mm µl

Titration Analysis

Baseline Area Modeling Statistics

Experimental Parameters

Syringe Concentration (nM) 6

Cell Concentration (nM) 0.4

Initial Cell Volume (µL) 168

Default Injection Volume (µL) 1.49

Temperature (°C) 40

Area correction

Subtract Constant 0

Blank: [drop blank file here] Clear

Average Area Injection by Injection

Partially Filled Cell

Use Default Injection Volume

Copy To Clipboard

Injection	U (µg)	Corrected Q (µL)	Inj Volume	Moles(Syringe)	Moles(Cell)	Moles(Syringe) / Moles(Cell)	Cell Volume
1	-92.97	-92.97	1.49	9.94e-08	6.66e-08	0.1342	168
2	-109.5	-109.5	1.49	1.78e-08	6.601e-08	0.2697	168
3	-129.5	-129.5	1.49	-2.659e-08	6.543e-08	0.4063	168
4	-163.4	-163.4	1.49	3.529e-08	6.495e-08	0.5442	168
5	-189.3	-189.3	1.49	4.391e-08	6.427e-08	0.6832	168
6	-199.6	-199.6	1.49	5.246e-08	6.37e-08	0.8236	168
7	-204.4	-204.4	1.49	6.094e-08	6.314e-08	0.9652	168
8	-205.9	-205.9	1.49	6.934e-08	6.258e-08	1.108	168
9	-209.9	-209.9	1.49	7.766e-08	6.202e-08	1.252	168
10	-211.3	-211.3	1.49	8.592e-08	6.147e-08	1.398	168
11	-211.4	-211.4	1.49	9.409e-08	6.092e-08	1.544	168
12	-202	-202	1.49	1.022e-07	6.036e-08	1.692	168
13	-172.2	-172.2	1.49	1.102e-07	5.982e-08	1.842	168
14	-123.6	-123.6	1.49	1.182e-07	5.929e-08	1.992	168
15	60.5	60.5	1.49	1.261e-07	5.877e-08	2.145	168
16	-31.66	-31.66	1.49	1.339e-07	5.827e-08	2.299	168
17	-19.43	-19.43	1.49	1.417e-07	5.777e-08	2.453	168
18	-14.74	-14.74	1.49	1.495e-07	5.724e-08	2.609	168
19	-14.2	-14.2	1.49	1.57e-07	5.674e-08	2.766	168
20	-13.52	-13.52	1.49	1.645e-07	5.623e-08	2.925	168
21	-13.43	-13.43	1.49	1.72e-07	5.572e-08	3.086	168
22	-12.73	-12.73	1.49	1.794e-07	5.524e-08	3.248	168

Search the web and Windows

1:44 PM 1/22/2016