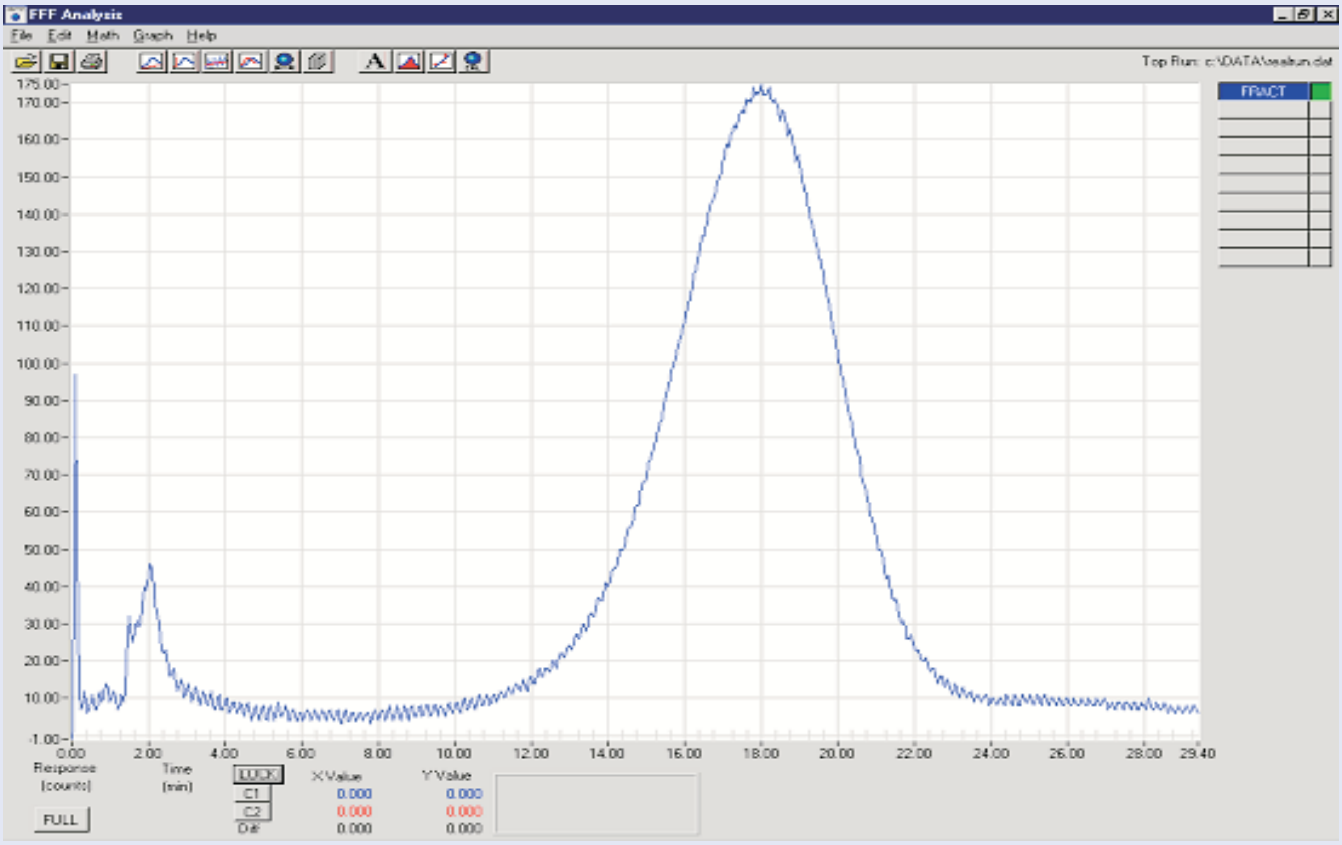
postnova analytics
advanced analytical products

FFF Analysis



Advanced scientific software package for FFF data treatment

www.postnova.com

postnova software products are:

user friendly

providing a clear and well arranged user interface with graphical information to have all important parameter at one glance.

transparent

the FFF Analysis Software typical follow-up logic allows direct control of the influence of analytical parameters

modular build

users can use this software package with all different available FFF systems from postnova.

designed for easy data exchange

data input from any kind of detector or FFF instrument, powerful import and export functions

The software packages are developed based on ergonometric concepts.
Prototyping is part of all steps of development.
Outlines for new functions and modules are discussed directly with interested departments and internal and external users.

This helps to increase usefulness and functionality of the resulting product.

Postnova Analytics GmbH
Max-Planck-Str. 14
86899 Landsberg/Germany
Tel. : +49.8191.985.688-0
Fax : +49.8191.985.688-99

Postnova Analytics Inc.
230 South, 500 East, Suite # 120
84102 Salt Lake City, UT/USA
Tel. : +1.801.521-2004
Fax : +1.801.521-2884

email : info@postnova.com
web : www.postnova.com

FFF Analysis Software

The Analysis Software is a Windows compatible program which is used for analysis and presentation of data acquired by postnova's NovaFFF Control software packages using SF4, AF4, TF3, and SF3 instruments.

The program is consequently designed to use standard windows techniques for displaying and processing FFF data.

The most important features are:

data acquisition
smoothing
calibration
FFF theory
results
you only need: latest NovaFFF Control software that is available for each different FFF system.

data acquisition
uses the *.dat files created by the different NovaFFF Control software packages
compatible with all postnova detectors (RI, UV, LS, ELSD ...)
simultaneous use of up to 3 detectors
unlimited data acquisition time for long sample lines or slow separations
state-of-the-art data acquisiton hardware

smoothing
The filter used is a fifth order lowpass Butterworth filter. The Analysis software offers the possibility to display raw data and smoothed curves which is critical to distingiush between particles and soluble polymers.

calibration
FFF data processing critically relies on proper calibration. The Analysis software offers a very user-friendly calibration method.

FFF Theory
By using the FFF theory calculations of the relative mass distribution from the variables and data sets in the program can easily be done. Now it is possible to calculate size distributions directly from the retention time.

results
all reports with full parameter documentation