TAM Assistant Analysis Report
Kinetics

Model

Autocatalytic
d[C]/dt = k([A]o - (a/c)([C]-[C]o)) [C]

Model Input Parameters

a/c: 1

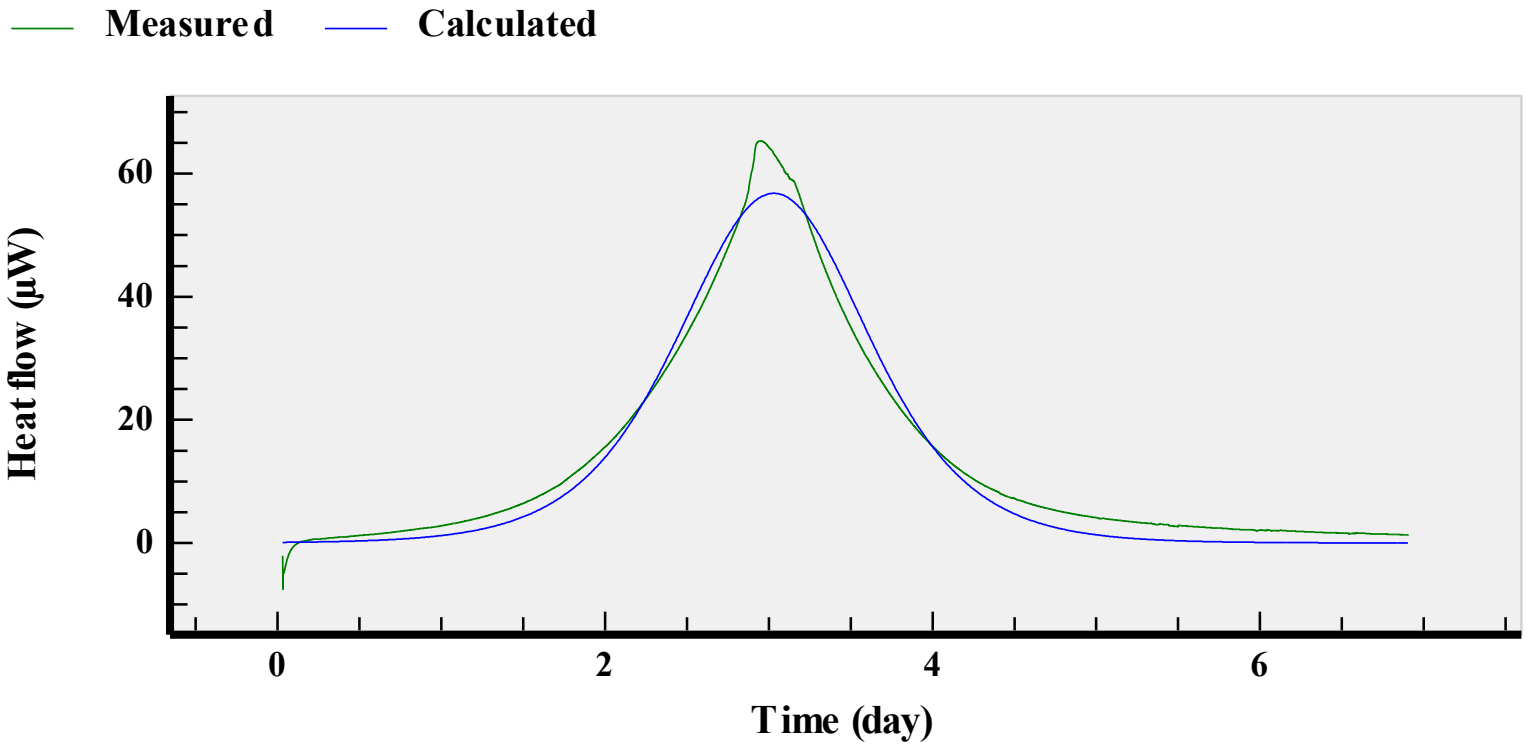
Signal - "3-NO2C6H4N2+ TfO- 75 Nitrogen 11-11-16.rslt"

Input

Results file path:	***S:\TAM-work\Diazo\Article-Diazo-Calorim-TAMIII\3 NO2C6H4N2+ TfO- 75 Nitrogen 11-11-16.rslt***
Measurement signal:	Data series.Signal
Mass:	10mg
[A]o:	3.3424mmol/g

Results

Po:	93.475nW
k:	0.008966 g*s^-1*mol^-1 ± 2.3e-5 g*s^-1*mol^-1
dH:	226.6 kJ/mol ± 440 J/mol
Co:	1.38e-6 ± 2.8e-8
Standard deviation:	2.4707µW
NDF:	5835



Signal - "3-NO2C6H4N2+ TfO- 75 Nitrogen 11-19-16.rslt"

Input

Results file path:	***S:\TAM-work\Diazo\Article-Diazo-Calorim-TAMIII\3 NO2C6H4N2+ TfO- 75 Nitrogen 11-19-16.rslt***
Measurement signal:	Data series.Signal
Mass:	10mg
[A]o:	3.3424mmol/g

Results

Po:	99.385nW
k:	0.009264 g*s^-1*mol^-1 ± 2.8e-5 g*s^-1*mol^-1
dH:	229.2 kJ/mol ± 520 J/mol
Co:	1.40e-6 ± 3.3e-8
Standard deviation:	2.6111µW
NDF:	5819