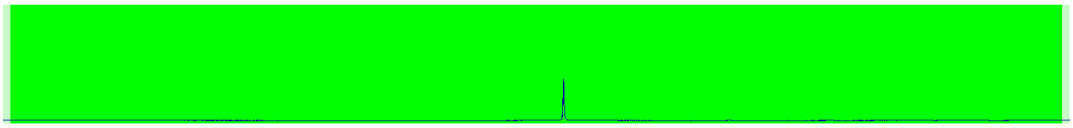
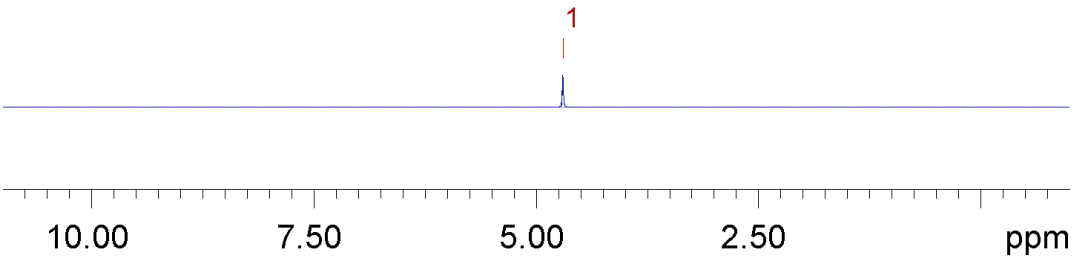
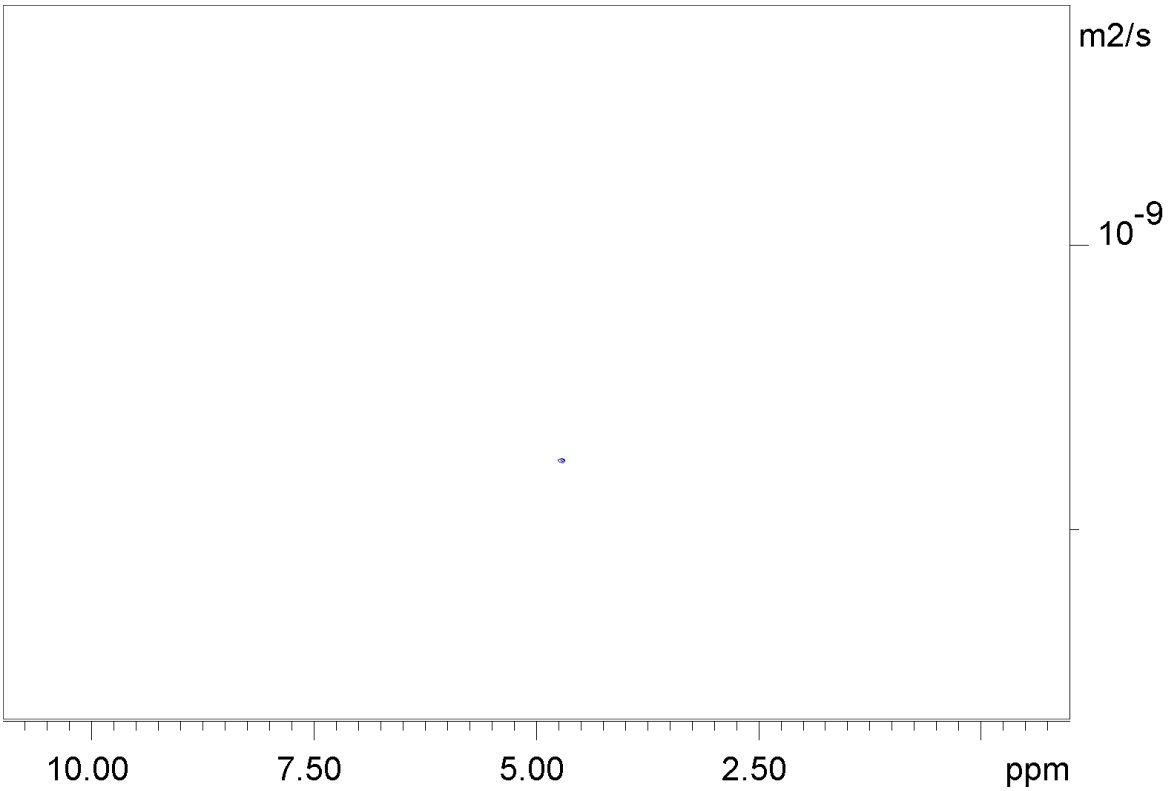
Diffusion Analysis

sample name:	demosample
Description/Title:	20%H2O/80% D2O DOSY temp=25C
Origin:	in-house
Date of preparation:	06 / 2005
Lab Book Number:	000




1
10.00
7.50
5.00
2.50
ppm


m2/s
10-9
10.00
7.50
5.00
2.50
ppm

Fitted function:	f (x) = Io * exp (-D * x^2 * gamma^2 * littleDelta^2 (bigDelta-littleDelta/3)* 10^4
used gamma:	26752 rad/(s*Gauss)
used little delta:	0.0020000 s
used big delta:	0.024900 s
used gradient strength:	variable
Random error estimation of data:	RMS per spectrum (or trace/plane)
Systematic error estimation of data:	worst case per peak scenario
Fit parameter Error estimation method:	from fit using arbitray y uncertainties
Confidence level:	95%
Used peaks:	peaks from C:/Bruker/TopSpin3.5.2/data/Service/nmr/Diffusion1D/10/pdata/1//peaklist1D.xml
Used integrals:	peak intensities
Used Gradient strength:	all values (including replicates) used

Peak name	F2 [ppm]	Io	error	D [m2/s]	error
1	4.701	4.05e+08	2.948e+05	1.68e-09	2.946e-12

Current fit display