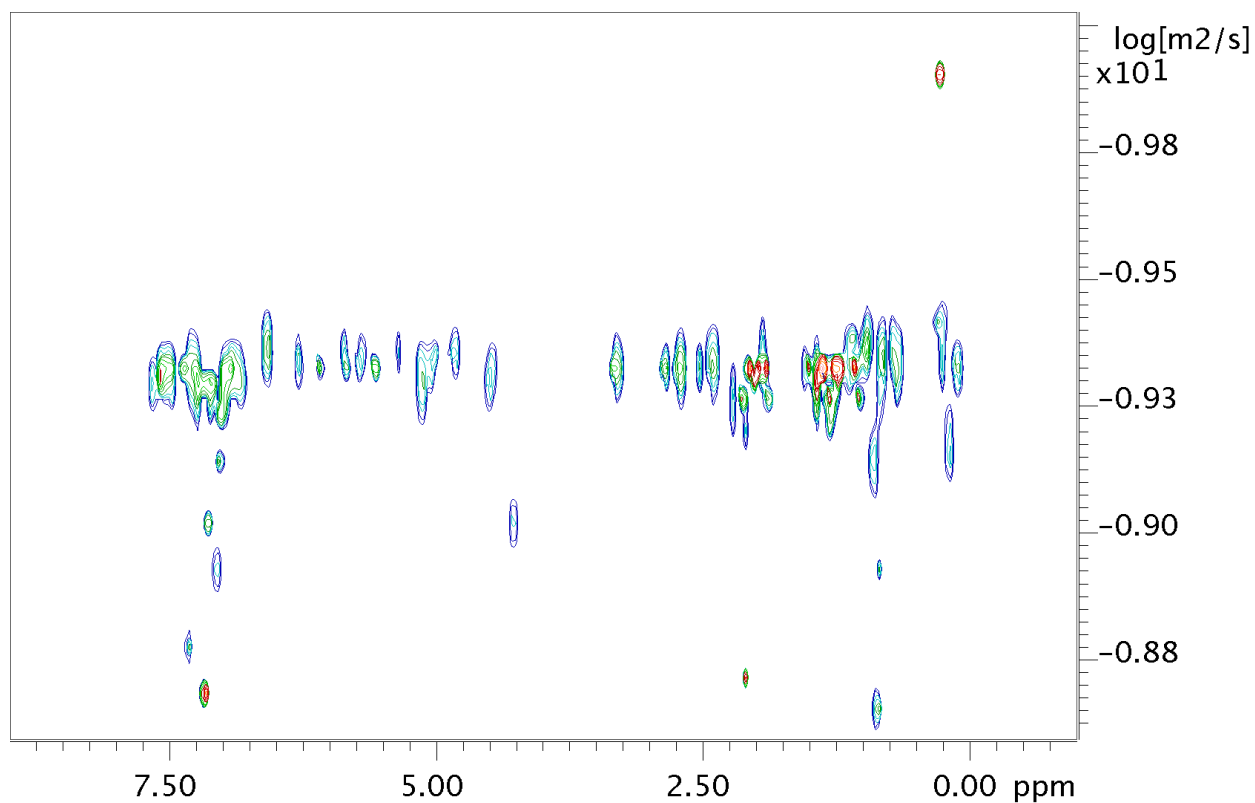
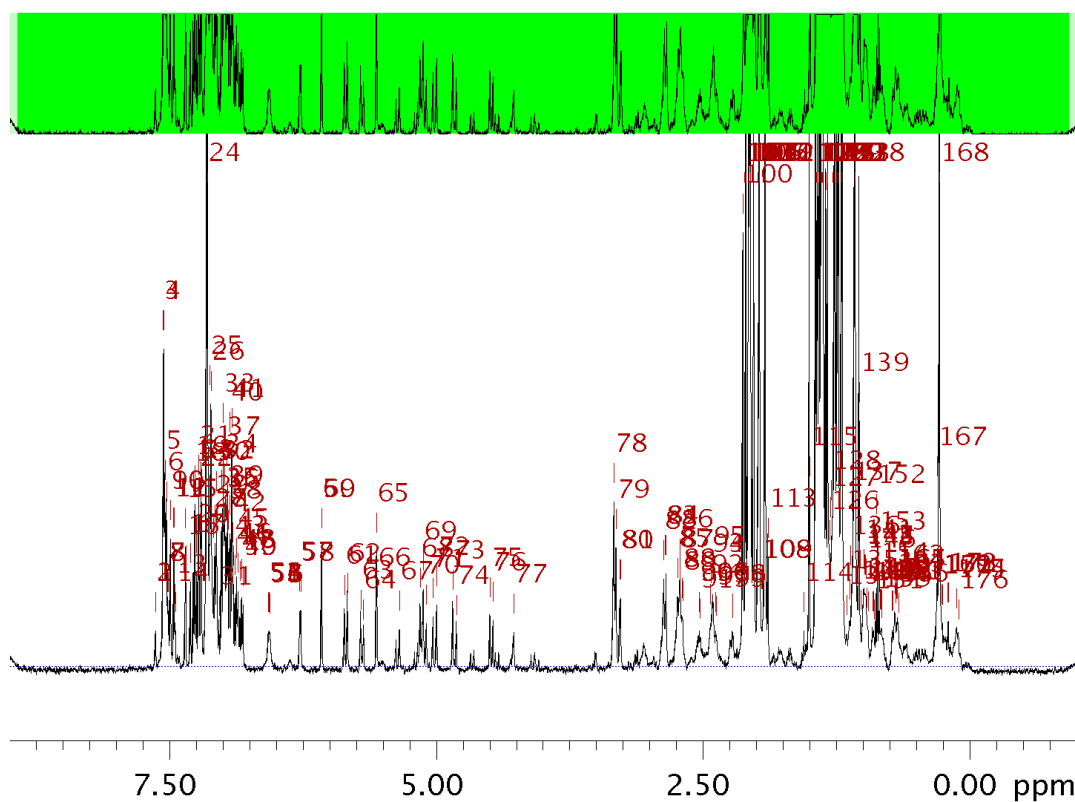


# • Diffusion Analysis



sample name:	demosample
Description/Title:	standard demo sample
Origin:	in-house
Date of preparation:	06 / 2005
Lab Book Number:	000



Fitted function:	$f(x) = A * \exp(-D * x^2 * \gamma^2 * \text{littleDelta}^2 * (\text{bigDelta} - \text{littleDelta}/3) * 10^4)$
used gamma:	26752 rad/(s*Gauss)
used little delta:	0.0032000 s
used big delta:	0.027130 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 Monte Carlo simulations
Confidence level:	95%
Used peaks:	
Used integrals:	peak intensities
Used Gradient strength:	all values (including replicates) used

Peak name	F2 [ppm]	D [m2/s]	error
1	7.636	5.03e-10	6.048e-11
2	7.632	5.16e-10	5.334e-11
3	7.561	4.84e-10	2.695e-11
4	7.557	4.90e-10	5.135e-12
5	7.546	4.77e-10	8.642e-12
6	7.531	4.71e-10	2.647e-11
7	7.519	5.16e-10	2.593e-11
8	7.514	4.95e-10	3.006e-11
9	7.497	4.66e-10	1.342e-11
10	7.493	4.83e-10	3.754e-11
11	7.463	4.71e-10	1.390e-11
12	7.459	4.81e-10	2.881e-11
13	7.451	5.04e-10	5.626e-11
14	7.447	5.16e-10	5.062e-11
15	7.355	4.69e-10	1.323e-11
16	7.350	4.88e-10	1.330e-11
17	7.306	1.66e-09	8.578e-11
18	7.280	4.78e-10	5.995e-11
19	7.265	4.75e-10	9.862e-12
20	7.250	4.94e-10	4.079e-11
21	7.230	4.91e-10	6.437e-11
22	7.227	4.98e-10	2.874e-11
23	7.205	5.04e-10	8.336e-12
24	7.150	2.12e-09	4.898e-12
25	7.124	9.86e-10	2.972e-11
26	7.114	4.99e-10	6.378e-12
27	7.093	5.60e-10	5.756e-11
28	7.088	5.44e-10	2.728e-11
29	7.077	5.00e-10	1.319e-11
30	7.061	5.05e-10	1.155e-11

Peak name	F2 [ppm]	D [m2/s]	error
31	7.039	1.16e-09	1.059e-10
32	7.014	7.28e-10	1.943e-11
33	7.000	5.99e-10	9.428e-12
34	6.985	5.45e-10	1.128e-11
35	6.980	5.02e-10	1.338e-11
36	6.970	5.00e-10	5.356e-11
37	6.966	4.77e-10	1.884e-11
38	6.955	4.81e-10	8.915e-12
39	6.939	4.90e-10	5.945e-11
40	6.935	4.83e-10	1.247e-11
41	6.918	4.73e-10	7.239e-12
42	6.912	4.71e-10	3.788e-11
43	6.905	4.61e-10	4.052e-11
44	6.889	4.71e-10	3.546e-11
45	6.875	4.74e-10	4.017e-11
46	6.860	4.92e-10	2.420e-11
47	6.842	4.89e-10	3.234e-11
48	6.828	4.92e-10	3.449e-11
49	6.817	4.85e-10	5.439e-11
50	6.812	5.21e-10	4.011e-11
51	6.576	4.44e-10	5.119e-11
52	6.573	4.22e-10	4.360e-11
53	6.571	4.39e-10	4.392e-11
54	6.568	4.25e-10	4.522e-11
55	6.566	4.31e-10	4.722e-11
56	6.562	4.39e-10	4.630e-11
57	6.281	4.53e-10	2.964e-11
58	6.272	4.59e-10	3.857e-11
59	6.078	4.64e-10	1.337e-11
60	6.073	4.70e-10	1.385e-11
61	5.862	4.56e-10	4.720e-11
62	5.835	4.71e-10	1.976e-11
63	5.710	4.77e-10	2.727e-11
64	5.683	4.46e-10	3.720e-11
65	5.562	4.64e-10	1.394e-11
66	5.558	4.77e-10	1.346e-11
67	5.347	4.38e-10	4.608e-11
68	5.153	4.84e-10	5.105e-11
69	5.123	4.90e-10	6.638e-11
70	5.095	4.82e-10	4.692e-11
71	5.032	4.62e-10	4.395e-11
72	4.998	4.44e-10	2.456e-11
73	4.847	4.56e-10	2.391e-11
74	4.814	4.48e-10	4.978e-11
75	4.499	4.90e-10	5.430e-11

Peak name	F2 [ppm]	D [m2/s]	error
76	4.470	4.88e-10	5.218e-11
77	4.275	9.30e-10	1.044e-10
78	3.337	4.74e-10	1.010e-11
79	3.317	4.77e-10	5.295e-11
80	3.281	4.57e-10	4.585e-11
81	3.274	4.77e-10	2.444e-11
82	2.869	4.82e-10	1.827e-11
83	2.858	4.69e-10	5.436e-11
84	2.849	4.85e-10	4.046e-11
85	2.739	4.75e-10	2.437e-11
86	2.720	4.59e-10	4.526e-11
87	2.715	4.86e-10	5.457e-11
88	2.700	4.79e-10	3.946e-11
89	2.693	4.70e-10	6.827e-11
90	2.535	4.78e-10	4.600e-11
91	2.534	4.69e-10	5.190e-11
92	2.432	4.42e-10	3.945e-11
93	2.427	4.57e-10	7.791e-11
94	2.424	4.58e-10	4.510e-11
95	2.410	4.80e-10	2.529e-11
96	2.382	4.85e-10	4.969e-11
97	2.380	4.54e-10	5.395e-11
98	2.226	5.88e-10	6.879e-11
99	2.221	5.10e-10	5.376e-11
100	2.128	5.32e-10	4.105e-12
101	2.114	6.48e-10	4.438e-11
102	2.102	1.90e-09	1.103e-11
103	2.074	4.74e-10	1.032e-12
104	2.060	4.83e-10	6.583e-13
105	2.027	5.05e-10	2.593e-12
106	1.989	4.60e-10	8.147e-12
107	1.976	4.71e-10	1.232e-12
108	1.950	4.78e-10	6.617e-11
109	1.946	4.16e-10	3.728e-11
110	1.936	4.63e-10	4.236e-11
111	1.935	4.77e-10	3.486e-11
112	1.920	4.72e-10	8.818e-13
113	1.892	5.28e-10	1.328e-11
114	1.554	4.76e-10	5.268e-11
115	1.505	4.81e-10	2.801e-12
116	1.448	5.13e-10	2.008e-12
117	1.443	5.08e-10	5.926e-11
118	1.436	5.27e-10	7.125e-12
119	1.430	5.20e-10	1.763e-12
120	1.415	4.68e-10	7.206e-13

Peak name	F2 [ppm]	D [m2/s]	error
121	1.394	4.75e-10	5.219e-13
122	1.388	4.78e-10	3.095e-13
123	1.380	4.79e-10	5.274e-13
124	1.350	4.77e-10	3.257e-12
125	1.334	5.34e-10	2.503e-12
126	1.316	5.88e-10	1.833e-11
127	1.308	6.09e-10	2.696e-11
128	1.303	5.75e-10	2.259e-11
129	1.285	5.52e-10	1.669e-11
130	1.269	4.74e-10	7.347e-13
131	1.246	5.02e-10	3.156e-12
132	1.233	4.76e-10	7.011e-13
133	1.200	4.84e-10	1.054e-12
134	1.152	4.48e-10	6.507e-11
135	1.127	4.69e-10	4.474e-11
136	1.119	4.75e-10	5.112e-11
137	1.103	4.16e-10	1.990e-11
138	1.080	4.78e-10	7.418e-13
139	1.039	5.26e-10	3.426e-12
140	1.022	4.50e-10	6.314e-11
141	0.993	4.28e-10	2.079e-11
142	0.986	4.15e-10	4.553e-11
143	0.984	4.20e-10	2.438e-11
144	0.981	4.38e-10	2.094e-11
145	0.979	4.39e-10	4.578e-11
146	0.975	4.36e-10	2.469e-11
147	0.963	4.03e-10	4.394e-11
148	0.956	4.21e-10	4.215e-11
149	0.912	7.45e-10	7.110e-11
150	0.904	6.77e-10	6.537e-11
151	0.900	7.84e-10	8.243e-11
152	0.879	2.20e-09	1.609e-10
153	0.865	2.28e-09	7.833e-11
154	0.851	1.14e-09	5.533e-11
155	0.840	5.36e-10	7.759e-11
156	0.833	4.30e-10	4.371e-11
157	0.831	4.53e-10	5.830e-11
158	0.829	4.65e-10	4.869e-11
159	0.824	4.50e-10	5.511e-11
160	0.727	4.11e-10	4.209e-11
161	0.724	4.27e-10	4.466e-11
162	0.704	4.47e-10	3.380e-11
163	0.694	5.10e-10	6.047e-11
164	0.687	5.01e-10	5.325e-11
165	0.680	4.80e-10	4.720e-11

Peak name	F2 [ppm]	D [m2/s]	error
166	0.669	4.47e-10	4.806e-11
167	0.308	3.88e-10	1.799e-11
168	0.288	1.21e-10	7.557e-13
169	0.267	4.31e-10	3.570e-11
170	0.261	4.89e-10	5.959e-11
171	0.256	3.87e-10	3.432e-11
172	0.205	6.28e-10	8.545e-11
173	0.202	7.31e-10	5.580e-11
174	0.128	4.68e-10	4.035e-11
175	0.125	4.85e-10	5.162e-11
176	0.108	4.79e-10	5.576e-11

## Current fit display

