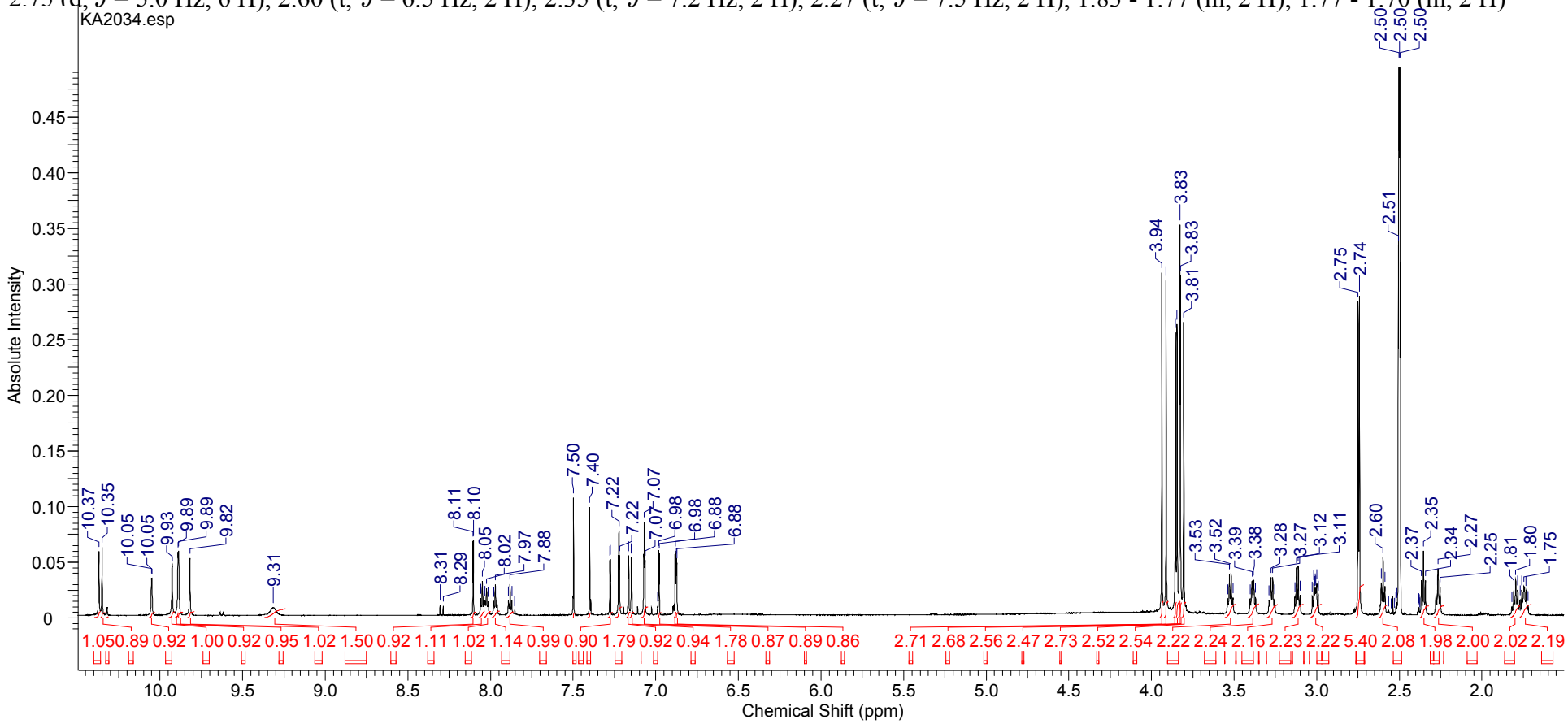
KA2034

KA2034

Acquisition Time (sec)	3.3280	***Comment***	Gradient Shimming			***Date***	Jul 5 2012
Date Stamp	Jul 5 2012	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\KA2031_070512.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	64	***Original Points Count***	32000
Points Count	32768	***Pulse Sequence***	s2pul	***Receiver Gain***	48.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3599.5090	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	25.000

^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.37 (s, 1 H), 10.35 (s, 1 H), 10.05 (d, J = 1.2 Hz, 1 H), 9.93 (s, 1 H), 9.89 (s, 1 H), 9.89 (s, 1 H), 9.82 (s, 1 H), 9.31 (br. s., 1 H), 8.10 (d, J = 1.8 Hz, 1 H), 8.05 (t, J = 5.9 Hz, 1 H), 8.02 (t, J = 5.7 Hz, 1 H), 7.97 (t, J = 6.2 Hz, 1 H), 7.88 (t, J = 6.2 Hz, 1 H), 7.50 (s, 1 H), 7.40 (s, 1 H), 7.28 (d, J = 1.8 Hz, 1 H), 7.25 - 7.21 (m, 2 H), 7.17 (d, J = 1.8 Hz, 1 H), 7.15 (d, J = 1.8 Hz, 1 H), 7.09 - 7.05 (m, 2 H), 6.98 (d, J = 2.1 Hz, 1 H), 6.88 (d, J = 1.8 Hz, 1 H), 6.87 (d, J = 1.8 Hz, 1 H), 3.94 (s, 3 H), 3.91 (s, 3 H), 3.85 (s, 3 H), 3.84 (s, 3 H), 3.83 (s, 3 H), 3.83 (s, 3 H), 3.81 (s, 3 H), 3.52 (q, J = 6.7 Hz, 2 H), 3.42 - 3.35 (m, 2 H), 3.27 (q, J = 6.6 Hz, 2 H), 3.12 (q, J = 6.5 Hz, 2 H), 3.04 - 2.97 (m, 2 H), 2.75 (d, J = 5.0 Hz, 6 H), 2.60 (t, J = 6.5 Hz, 2 H), 2.35 (t, J = 7.2 Hz, 2 H), 2.27 (t, J = 7.5 Hz, 2 H), 1.83 - 1.77 (m, 2 H), 1.77 - 1.70 (m, 2 H)

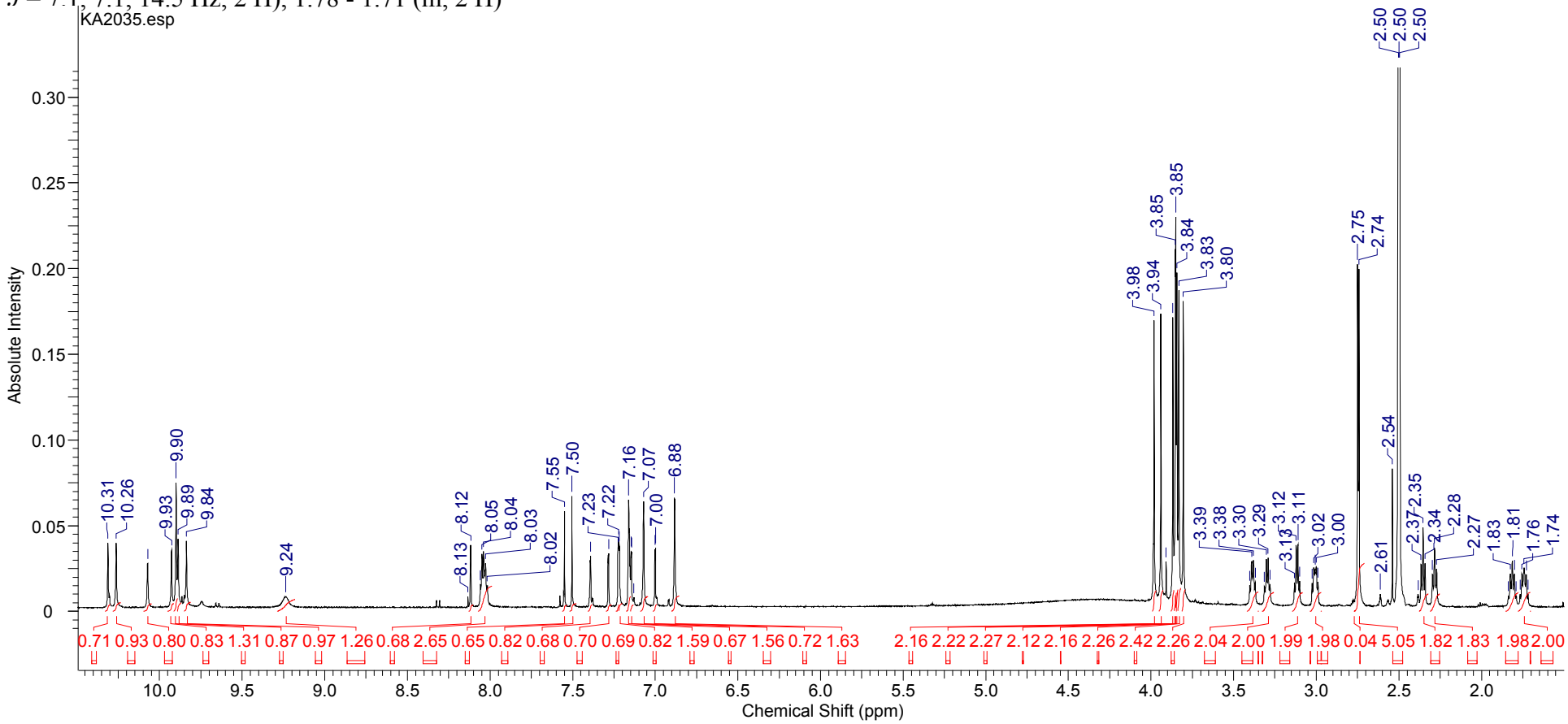


W:\D. Harris\NMR\Karl's NMR's\KA2034.esp

KA2035

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Dec 19 2012
Date Stamp	Dec 19 2012	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\KA2051E_20121219_01\PROTON_01.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	64	***Original Points Count***	16384
Points Count	16384	***Pulse Sequence***	s2pul	***Receiver Gain***	50.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3608.5234	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	24.000

^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.31 (s, 1 H), 10.26 (s, 1 H), 10.07 (s, 1 H), 9.93 (s, 1 H), 9.90 (s, 2 H), 9.89 (s, 1 H), 9.84 (s, 1 H), 9.24 (br. s., 1 H), 8.12 (d, *J* = 1.8 Hz, 1 H), 8.07 - 7.99 (m, 4 H), 7.55 (s, 1 H), 7.50 (s, 1 H), 7.39 (d, *J* = 1.8 Hz, 1 H), 7.28 (d, *J* = 1.8 Hz, 1 H), 7.22 (d, *J* = 1.8 Hz, 1 H), 7.22 (d, *J* = 1.8 Hz, 1 H), 7.17 - 7.15 (m, 2 H), 7.15 (d, *J* = 1.8 Hz, 1 H), 7.07 (s, 2 H), 7.00 (d, *J* = 1.8 Hz, 1 H), 6.88 (d, *J* = 1.2 Hz, 2 H), 3.98 (s, 3 H), 3.94 (s, 3 H), 3.87 (s, 3 H), 3.85 (s, 3 H), 3.85 (s, 3 H), 3.84 (s, 3 H), 3.83 (s, 3 H), 3.80 (s, 3 H), 3.42 - 3.35 (m, 2 H), 3.30 (q, *J* = 6.8 Hz, 2 H), 3.12 (q, *J* = 6.5 Hz, 2 H), 3.03 - 2.97 (m, 2 H), 2.75 (d, *J* = 4.7 Hz, 6 H), 2.35 (t, *J* = 7.3 Hz, 2 H), 2.28 (t, *J* = 7.6 Hz, 2 H), 1.85 - 1.78 (m, *J* = 7.1, 7.1, 14.5 Hz, 2 H), 1.78 - 1.71 (m, 2 H)

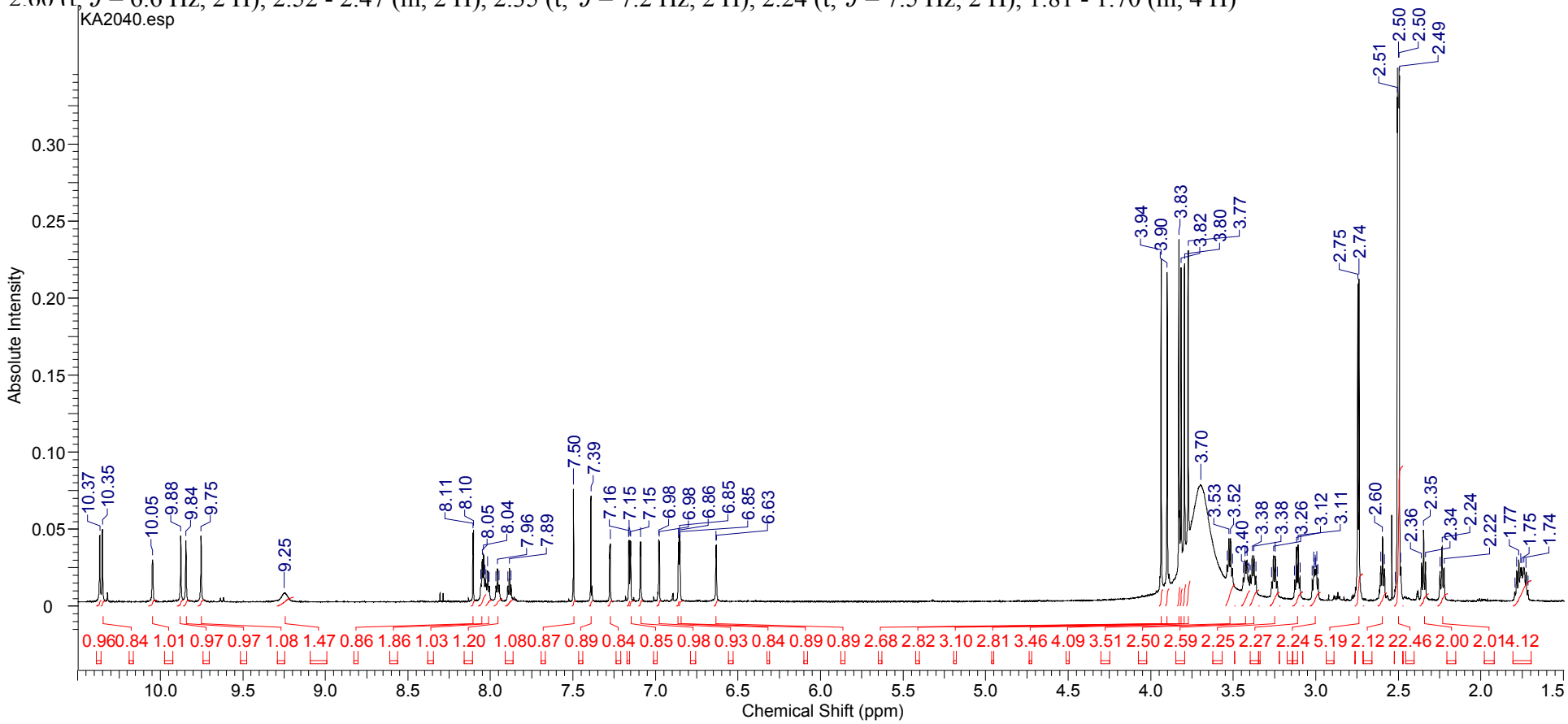


W:\D. Harris\NMR\Karl's NMR's\KA2035.esp

KA2040

Acquisition Time (sec)	3.3280	***Comment***	Gradient Shimming			***Date***	Jul 6 2012
Date Stamp	Jul 6 2012	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2040C-070612.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	64	***Original Points Count***	32000
Points Count	32768	***Pulse Sequence***	s2pul	***Receiver Gain***	46.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3600.6829	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	25.000

^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.37 (s, 1 H), 10.35 (s, 1 H), 10.05 (s, 1 H), 9.88 (s, 1 H), 9.84 (s, 1 H), 9.75 (s, 1 H), 9.25 (br. s., 1 H), 8.10 (d, J = 1.5 Hz, 1 H), 8.07 - 8.03 (m, 2 H), 8.02 (t, J = 5.7 Hz, 1 H), 7.96 (t, J = 6.0 Hz, 1 H), 7.89 (t, J = 6.0 Hz, 1 H), 7.50 (s, 1 H), 7.39 (s, 1 H), 7.28 (d, J = 1.8 Hz, 1 H), 7.16 (d, J = 1.8 Hz, 1 H), 7.15 (d, J = 1.8 Hz, 1 H), 7.09 (d, J = 1.8 Hz, 1 H), 6.98 (d, J = 2.1 Hz, 1 H), 6.86 (d, J = 1.8 Hz, 1 H), 6.85 (d, J = 1.8 Hz, 1 H), 6.63 (d, J = 1.5 Hz, 1 H), 3.94 (s, 3 H), 3.90 (s, 3 H), 3.83 (s, 3 H), 3.82 (s, 3 H), 3.80 (s, 3 H), 3.77 (s, 3 H), 3.55 - 3.49 (m, 2 H), 3.45 - 3.40 (m, 2 H), 3.40 - 3.35 (m, 2 H), 3.28 - 3.22 (m, 2 H), 3.14 - 3.08 (m, 2 H), 3.04 - 2.97 (m, 2 H), 2.74 (d, J = 5.0 Hz, 6 H), 2.60 (t, J = 6.6 Hz, 2 H), 2.52 - 2.47 (m, 2 H), 2.35 (t, J = 7.2 Hz, 2 H), 2.24 (t, J = 7.5 Hz, 2 H), 1.81 - 1.70 (m, 4 H)

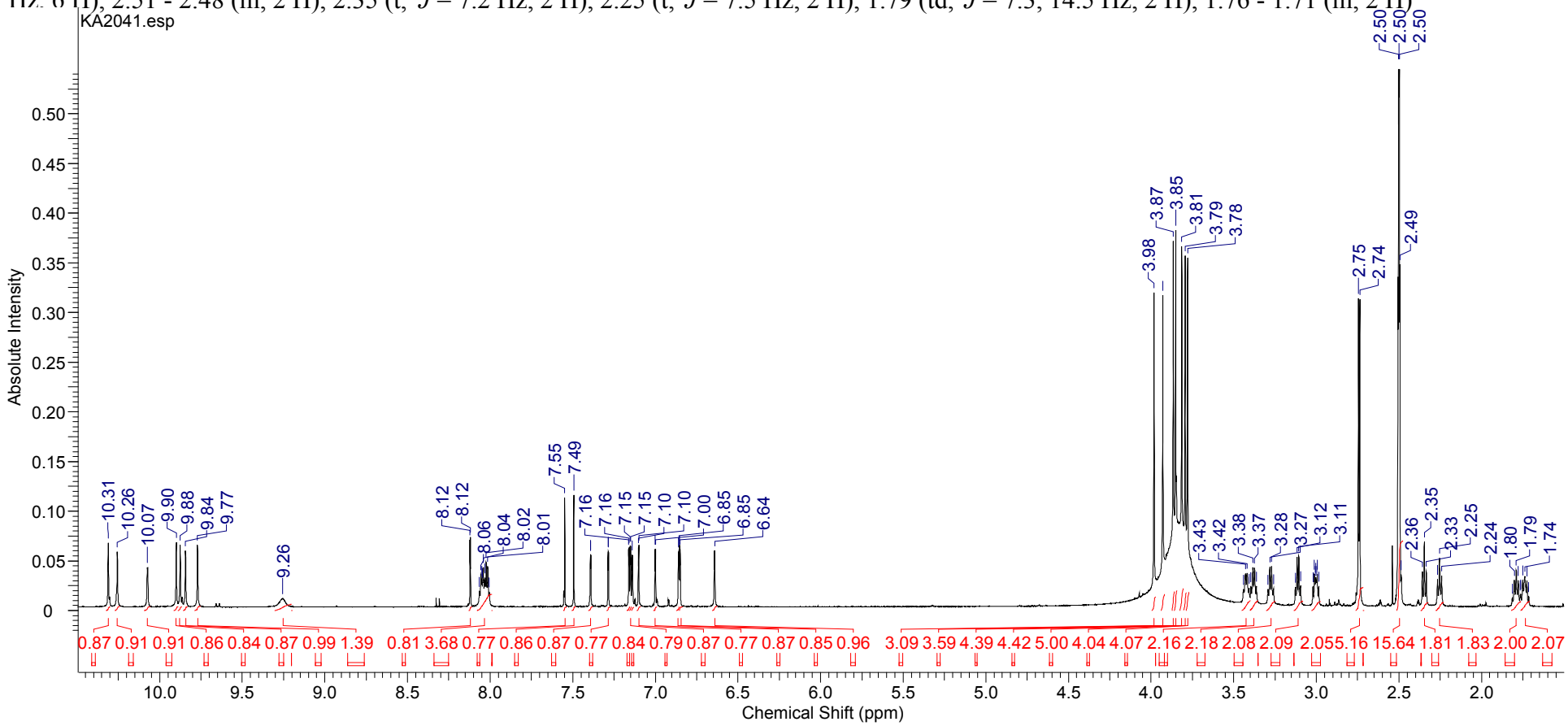


W:\D. Harris\NMR\Karl's NMR's\KA2040.esp

KA2041

Acquisition Time (sec)	3.3280	***Comment***	Gradient Shimming			***Date***	Jul 6 2012
Date Stamp	Jul 6 2012	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2041C-070612.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	64	***Original Points Count***	32000
Points Count	32768	***Pulse Sequence***	s2pul	***Receiver Gain***	44.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3608.8994	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	25.000

^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.31 (s, 1 H), 10.26 (s, 1 H), 10.07 (d, J = 0.9 Hz, 1 H), 9.90 (s, 1 H), 9.88 (s, 1 H), 9.84 (s, 1 H), 9.77 (s, 1 H), 9.26 (br. s., 1 H), 8.12 (d, J = 1.8 Hz, 1 H), 8.08 - 7.99 (m, 4 H), 7.55 (s, 1 H), 7.49 (s, 1 H), 7.39 (d, J = 1.5 Hz, 1 H), 7.28 (d, J = 1.8 Hz, 1 H), 7.16 (d, J = 1.8 Hz, 1 H), 7.15 (d, J = 1.8 Hz, 1 H), 7.14 (d, J = 1.8 Hz, 1 H), 7.10 (d, J = 1.8 Hz, 1 H), 7.00 (d, J = 1.8 Hz, 1 H), 6.86 (d, J = 1.8 Hz, 1 H), 6.85 (d, J = 2.1 Hz, 1 H), 6.64 (d, J = 1.8 Hz, 1 H), 3.98 (s, 3 H), 3.93 (s, 3 H), 3.87 (s, 3 H), 3.85 (s, 3 H), 3.81 (s, 3 H), 3.79 (s, 3 H), 3.78 (s, 3 H), 3.45 - 3.40 (m, 2 H), 3.40 - 3.35 (m, 2 H), 3.28 (q, J = 6.7 Hz, 2 H), 3.11 (q, J = 6.5 Hz, 2 H), 3.03 - 2.98 (m, 2 H), 2.74 (d, J = 5.0 Hz, 6 H), 2.51 - 2.48 (m, 2 H), 2.35 (t, J = 7.2 Hz, 2 H), 2.25 (t, J = 7.5 Hz, 2 H), 1.79 (td, J = 7.3, 14.5 Hz, 2 H), 1.76 - 1.71 (m, 2 H)

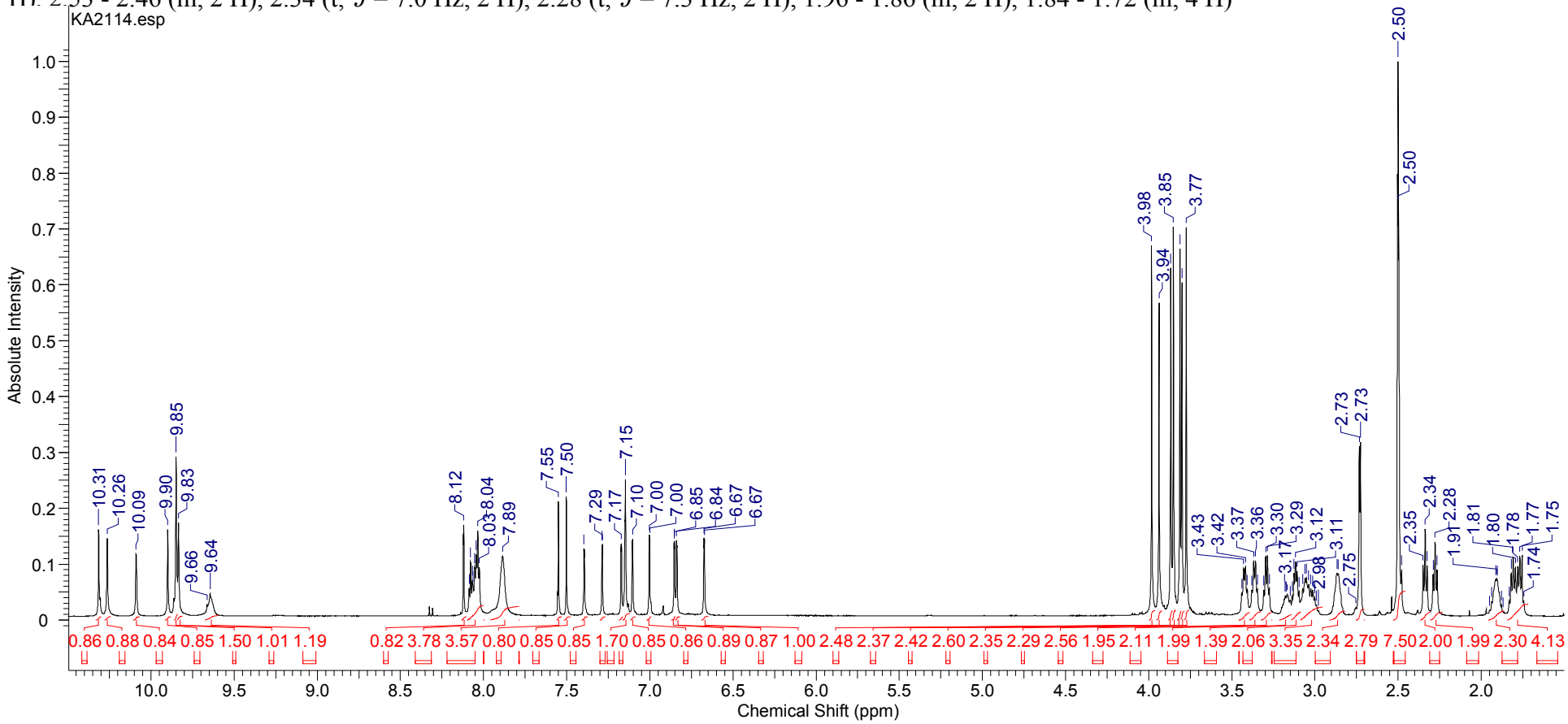


W:\D. Harris\NMR\Karl's NMR's\KA2041.esp

KA2114

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Apr 4 2013
Date Stamp	Apr 4 2013	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2114d_20130404_01\PROTON_01.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	128	***Original Points Count***	16384
Points Count	16384	***Pulse Sequence***	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3609.6973	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	24.000

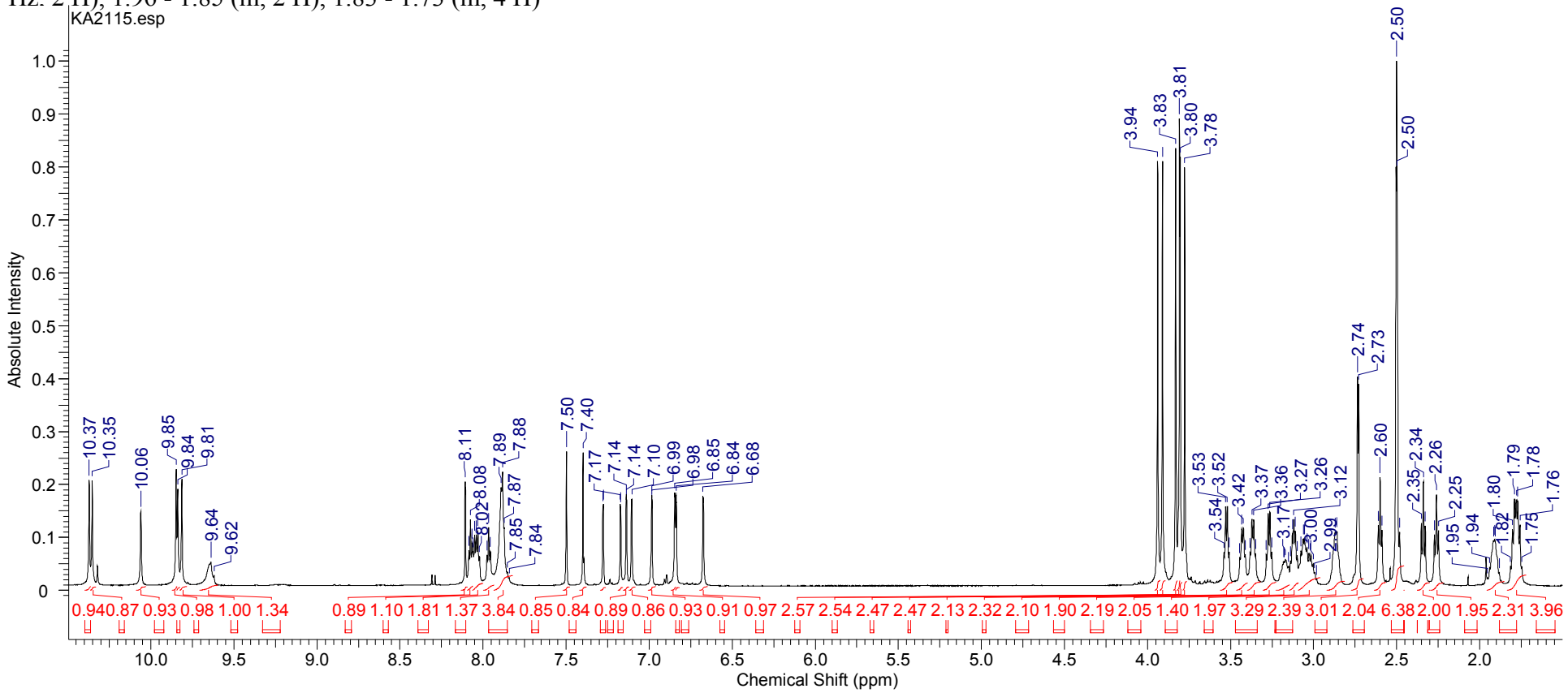
^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.31 (s, 1 H), 10.26 (s, 1 H), 10.09 (s, 1 H), 9.90 (s, 1 H), 9.85 (s, 2 H), 9.83 (s, 1 H), 9.68 - 9.60 (m, 1 H), 8.12 (d, *J* = 1.2 Hz, 1 H), 8.10 - 8.00 (m, 5 H), 7.89 (br. s., 4 H), 7.55 (s, 1 H), 7.50 (s, 1 H), 7.39 (d, *J* = 1.2 Hz, 1 H), 7.29 (d, *J* = 1.8 Hz, 1 H), 7.17 (d, *J* = 1.2 Hz, 1 H), 7.15 (d, *J* = 1.8 Hz, 2 H), 7.10 (d, *J* = 1.8 Hz, 1 H), 7.00 (d, *J* = 1.8 Hz, 1 H), 6.85 (d, *J* = 1.2 Hz, 1 H), 6.84 (d, *J* = 1.2 Hz, 1 H), 6.67 (d, *J* = 1.8 Hz, 1 H), 3.98 (s, 3 H), 3.94 (s, 3 H), 3.87 (s, 3 H), 3.85 (s, 3 H), 3.81 (s, 3 H), 3.80 (s, 3 H), 3.77 (s, 3 H), 3.46 - 3.39 (m, 2 H), 3.39 - 3.33 (m, 2 H), 3.29 (q, *J* = 6.7 Hz, 2 H), 3.21 - 3.14 (m, 1 H), 3.14 - 3.09 (m, 2 H), 3.09 - 2.95 (m, 3 H), 2.91 - 2.82 (m, 2 H), 2.73 (d, *J* = 4.7 Hz, 3 H), 2.53 - 2.46 (m, 2 H), 2.34 (t, *J* = 7.0 Hz, 2 H), 2.28 (t, *J* = 7.3 Hz, 2 H), 1.96 - 1.86 (m, 2 H), 1.84 - 1.72 (m, 4 H)



KA2115

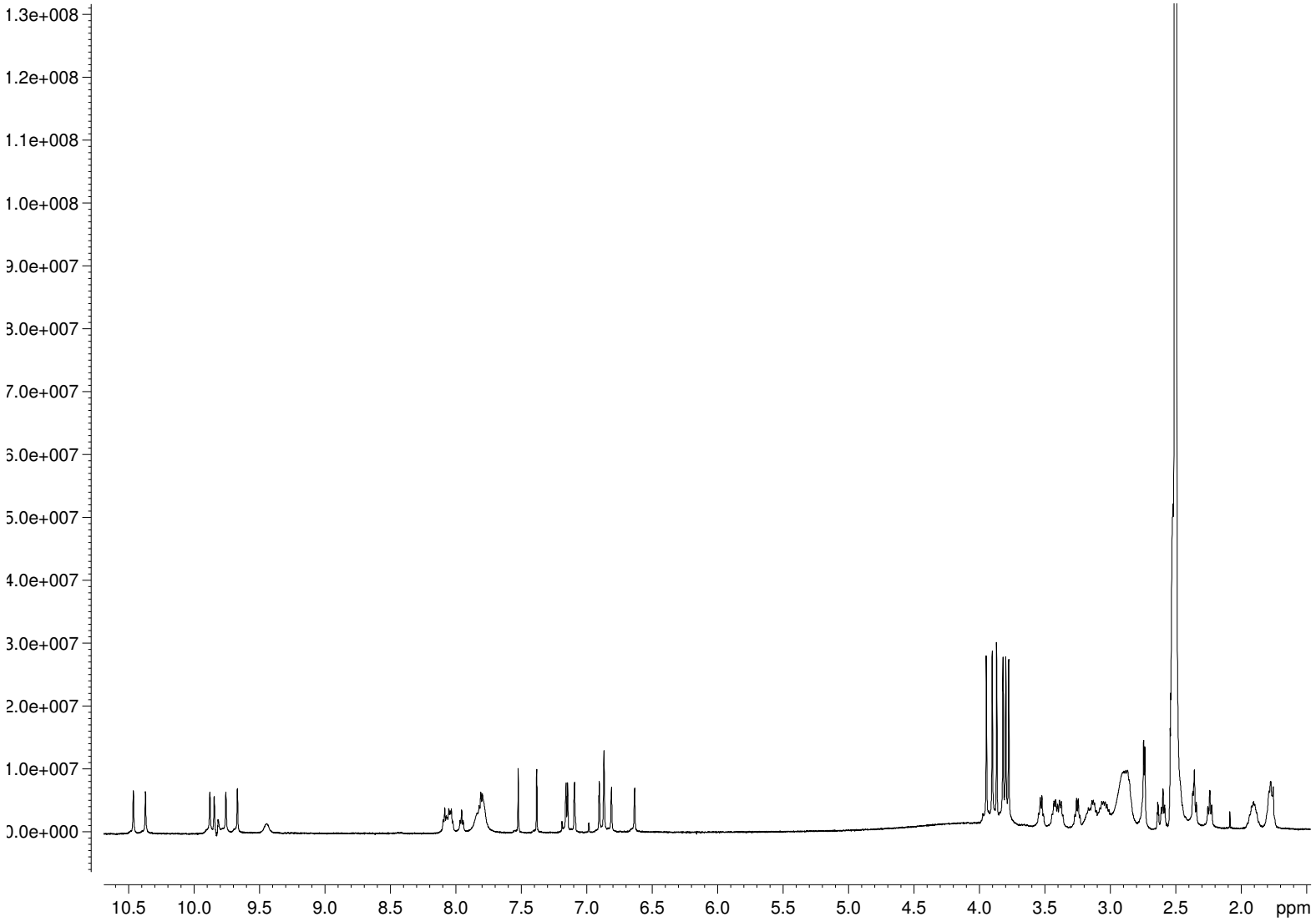
Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Apr 26 2013
Date Stamp	Apr 26 2013	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2115a-proton_042613.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	64	***Original Points Count***	16384
Points Count	16384	***Pulse Sequence***	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3609.6973	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	25.000

^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.37 (s, 1 H), 10.35 (s, 1 H), 10.06 (s, 1 H), 9.85 (s, 1 H), 9.84 (s, 1 H), 9.81 (s, 1 H), 9.71 - 9.60 (m, 1 H), 8.11 (d, J = 1.2 Hz, 1 H), 8.08 (t, J = 5.9 Hz, 1 H), 8.06 - 8.00 (m, 2 H), 7.97 (t, J = 5.9 Hz, 1 H), 7.93 - 7.82 (m, 5 H), 7.50 (s, 1 H), 7.40 (s, 1 H), 7.28 (d, J = 1.8 Hz, 1 H), 7.17 (d, J = 1.8 Hz, 1 H), 7.14 (d, J = 1.2 Hz, 1 H), 7.11 (d, J = 1.8 Hz, 1 H), 6.98 (d, J = 1.8 Hz, 1 H), 6.85 (d, J = 1.8 Hz, 1 H), 6.84 (d, J = 1.2 Hz, 1 H), 6.67 (d, J = 1.8 Hz, 1 H), 3.94 (s, 3 H), 3.91 (s, 3 H), 3.83 (s, 3 H), 3.81 (s, 3 H), 3.80 (s, 3 H), 3.78 (s, 3 H), 3.52 (q, J = 6.5 Hz, 2 H), 3.47 - 3.40 (m, 2 H), 3.40 - 3.32 (m, 2 H), 3.27 (q, J = 6.8 Hz, 2 H), 3.22 - 3.15 (m, 1 H), 3.15 - 3.09 (m, 2 H), 3.09 - 2.96 (m, 3 H), 2.92 - 2.82 (m, J = 5.9 Hz, 2 H), 2.73 (d, J = 4.7 Hz, 3 H), 2.60 (t, J = 6.5 Hz, 2 H), 2.53 - 2.46 (m, 2 H), 2.34 (t, J = 7.3 Hz, 2 H), 2.26 (t, J = 7.3 Hz, 2 H), 1.96 - 1.85 (m, 2 H), 1.83 - 1.73 (m, 4 H)



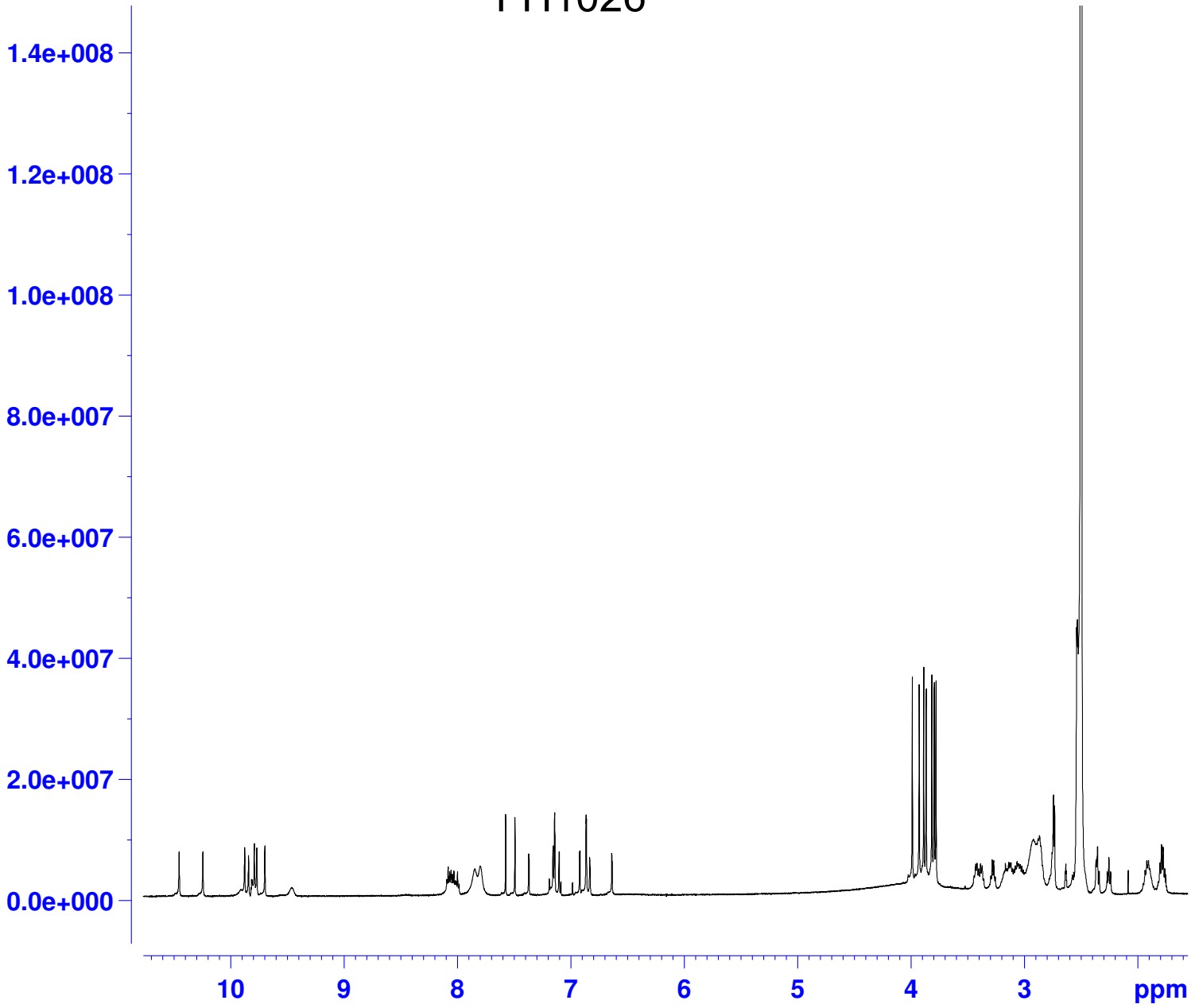
W:\D. Harris\NMR\Karl's NMR's\KA2115.esp

FH1024



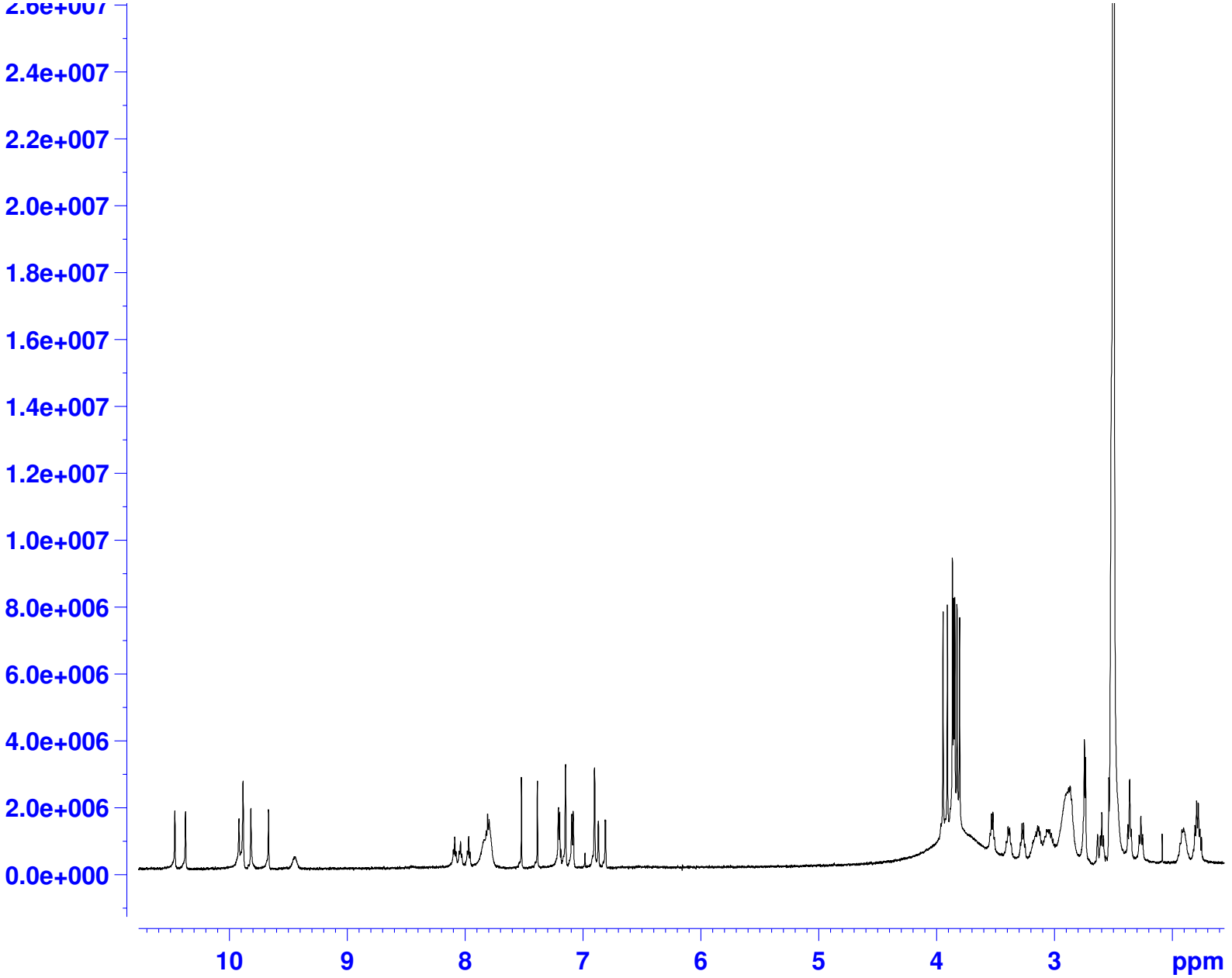
NAME	FH1024C
EXPNO	1
PROCNO	1
Date_	20120507
Time	11.36
INSTRUM	spect
PROBHD	5 mm Multinu
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	2000
DS	2
SWH	10416.667 Hz
FIDRES	0.158946 Hz
AQ	3.1457779 sec
RG	2048
DW	48.000 usec
DE	68.57 usec
TE	300.0 K
D1	1.00000000 sec
P1	12.50 usec
SFO1	500.1330885 MHz
NUCLEUS	1H
SI	32768
SF	500.1300078 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

FH1026



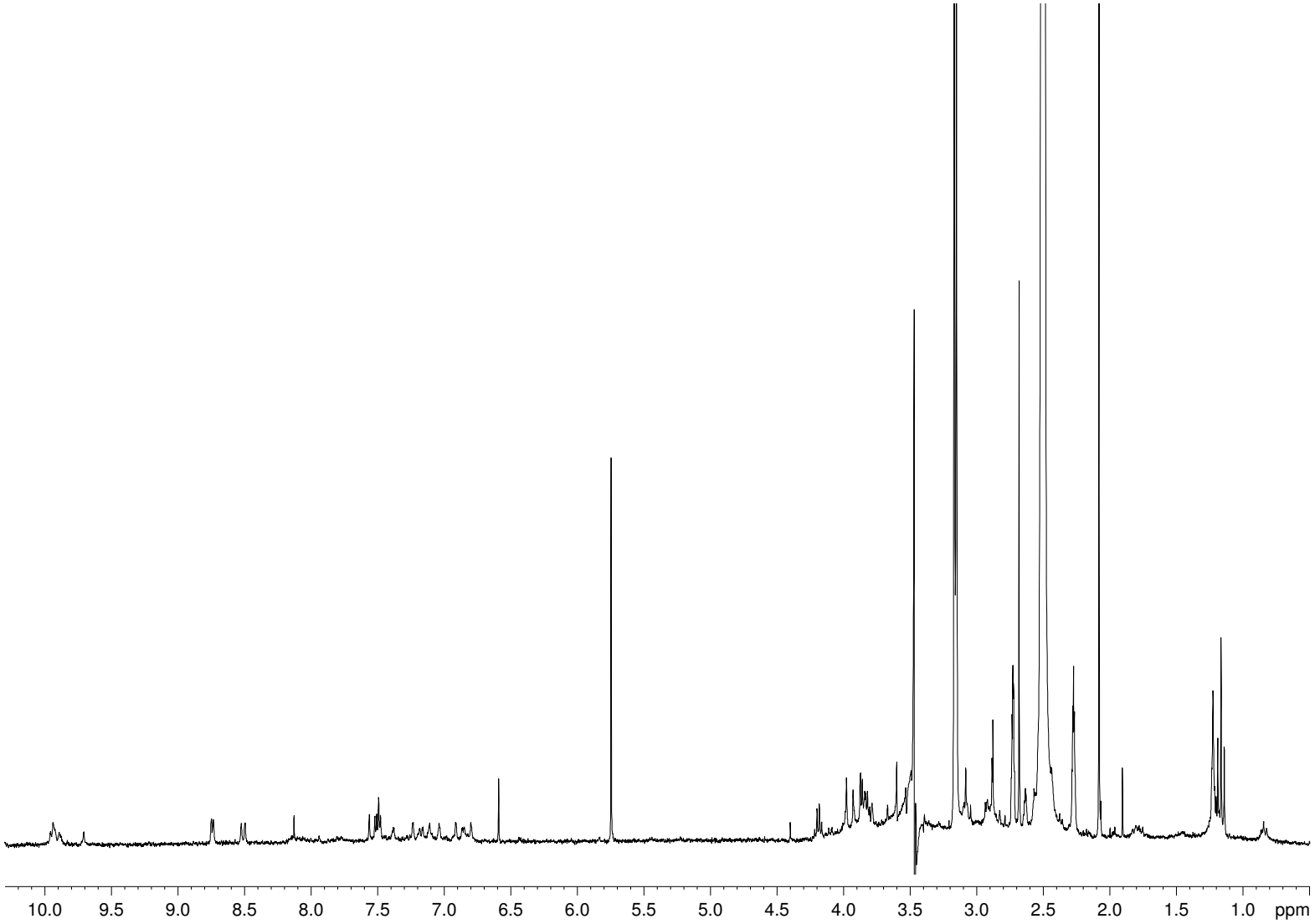
NAME	FH1026C
EXPNO	1
PROCNO	1
Date_	20120507
Time	14.08
INSTRUM	spect
PROBHD	5 mm Multinu
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	1941
DS	2
SWH	10416.667 Hz
FIDRES	0.158946 Hz
AQ	3.1457779 sec
RG	2048
DW	48.000 usec
DE	68.57 usec
TE	300.0 K
D1	1.00000000 sec
P1	12.50 usec
SFO1	500.1330885 MHz
NUCLEUS	1H
SI	32768
SF	500.1300081 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

FH1028



NAME	FH1028C
EXPNO	1
PROCNO	1
Date_	20120507
Time	16.10
INSTRUM	spect
PROBHD	5 mm Multinu
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	1509
DS	2
SWH	10416.667 Hz
FIDRES	0.158946 Hz
AQ	3.1457779 sec
RG	2048
DW	48.000 usec
DE	68.57 usec
TE	300.0 K
D1	1.00000000 sec
P1	12.50 usec
SFO1	500.1330885 MHz
NUCLEUS	1H
SI	32768
SF	500.1300084 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

KJK6162



NAME	kjk6162
EXPNO	2
PROCNO	1
Date_	20170920
Time	14.44
INSTRUM	spect
PROBHD	5 mm QNP 1H/13
PULPROG	zgcppr
TD	32768
SOLVENT	DMSO
NS	2048
DS	2
SWH	6172.839 Hz
FIDRES	0.188380 Hz
AQ	2.6542580 sec
RG	1149.4
DW	81.000 usec
DE	6.50 usec
TE	290.4 K
D1	2.00000000 sec
D12	0.00002000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	1H
P1	14.00 usec
PL1	4.30 dB
PL9	53.16 dB
PL1W	5.59952545 W
PL9W	0.00007280 W
SFO1	300.1310402 MHz
SI	16384
SF	300.1300000 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

KJK6162