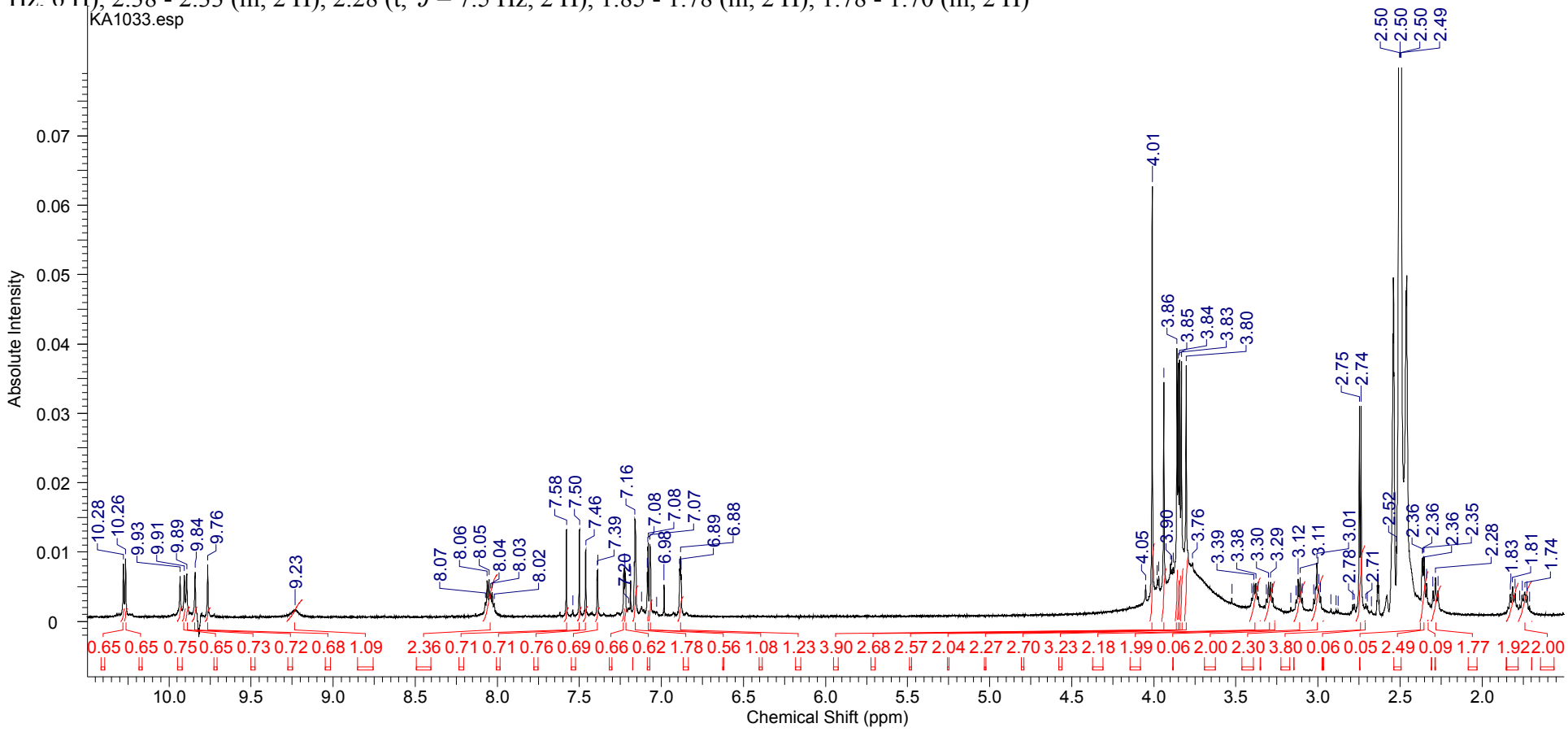
KA1033

Acquisition Time (sec)	3.1457	***Comment***	KA1033H	***Date***	25 Oct 2011 15:32:16		
Date Stamp	25 Oct 2011 15:32:16			***File Name***	\\134.124.122.67\data\ARX500\bashkin\nmr\KA1033H\1\fid		
Frequency (MHz)	500.13	***Nucleus***	1H	***Number of Transients***	1024	***Origin***	spect
Original Points Count	32768	***Owner***	root	***Points Count***	32768	***Pulse Sequence***	zg30
Receiver Gain	2048.00	***SW(cyclical) (Hz)***	10416.67	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	3080.2671
Spectrum Type	STANDARD	***Sweep Width (Hz)***	10416.35	***Temperature (degree C)***	27.000		

^{1}H NMR (500MHz ,DMSO-d$_6$) δ = 10.28 (s, 1 H), 10.26 (s, 1 H), 9.93 (s, 1 H), 9.91 (s, 1 H), 9.89 (s, 1 H), 9.84 (s, 1 H), 9.76 (s, 1 H), 9.23 (br. s., 1 H), 8.09 - 8.00 (m, J = 5.7, 10.6, 10.6 Hz, 6 H), 7.58 (s, 1 H), 7.50 (s, 1 H), 7.46 (s, 1 H), 7.39 (d, J = 1.6 Hz, 1 H), 7.23 (d, J = 1.6 Hz, 1 H), 7.22 (d, J = 1.6 Hz, 1 H), 7.16 (s, 3 H), 7.08 (d, J = 1.0 Hz, 1 H), 7.07 (s, 2 H), 6.90 - 6.87 (m, 2 H), 4.01 (s, 6 H), 3.94 (s, 3 H), 3.86 (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), 3.33 - 3.26 (m, 2 H), 3.15 - 3.08 (m, 2 H), 3.04 - 2.97 (m, 2 H), 2.74 (d, J = 5.1 Hz, 6 H), 2.38 - 2.33 (m, 2 H), 2.28 (t, J = 7.5 Hz, 2 H), 1.85 - 1.78 (m, 2 H), 1.78 - 1.70 (m, 2 H)

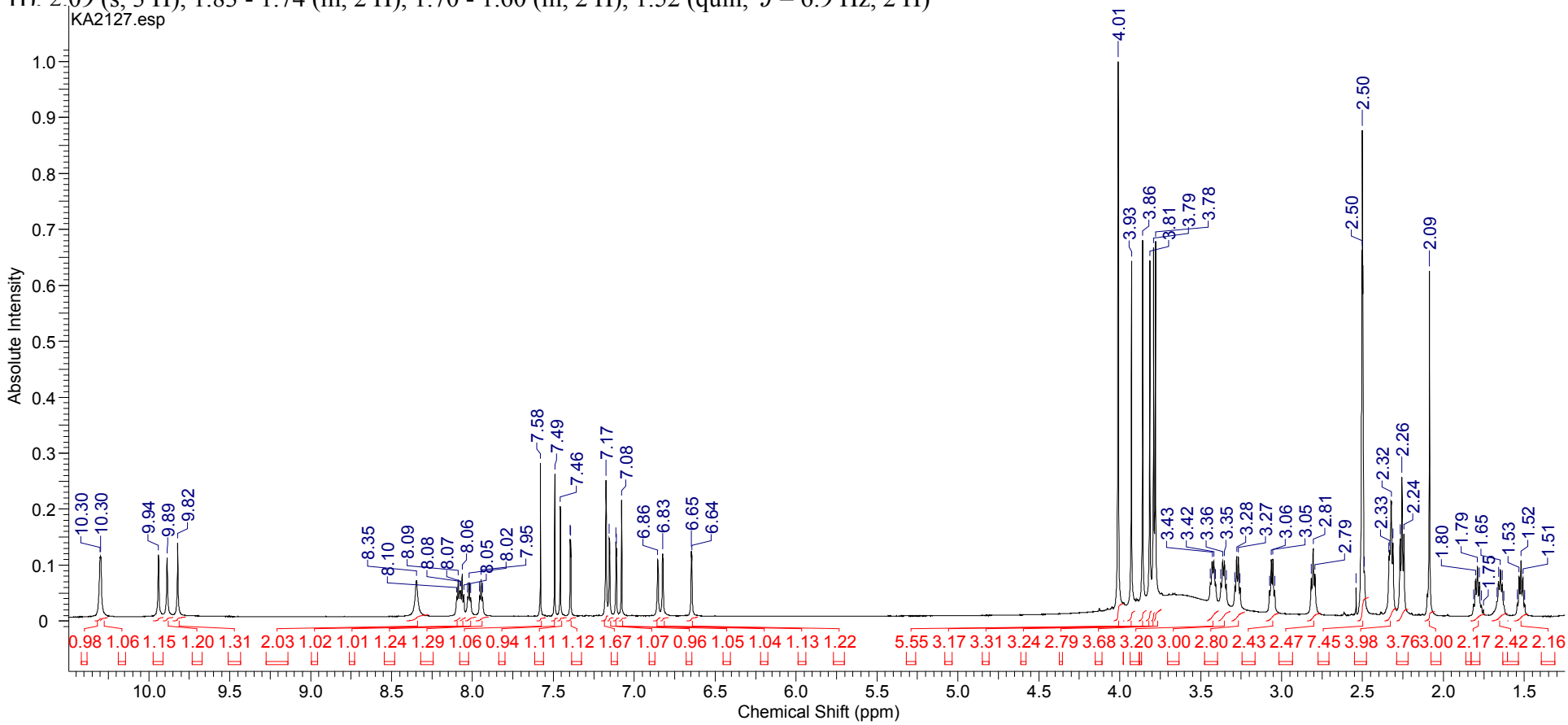


W:\D. Harris\NMR\Karl's NMR's\KA1033.esp

KA2127

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Jul 16 2013
Date Stamp	Jul 16 2013	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2127f-proton-021513.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	32	***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 = 10.30 (s, 1 H), 10.30 (s, 1 H), 9.94 (s, 1 H), 9.89 (s, 1 H), 9.82 (s, 1 H), 8.35 (br. s., 2 H), 8.09 (t, J = 5.6 Hz, 1 H), 8.06 (t, J = 5.9 Hz, 1 H), 8.02 (t, J = 5.6 Hz, 1 H), 7.95 (t, J = 5.6 Hz, 1 H), 7.58 (s, 1 H), 7.49 (s, 1 H), 7.46 (s, 1 H), 7.39 (d, J = 1.8 Hz, 1 H), 7.17 (s, 2 H), 7.15 (d, J = 1.8 Hz, 1 H), 7.11 (d, J = 1.8 Hz, 1 H), 7.08 (s, 1 H), 6.86 (s, 1 H), 6.83 (s, 1 H), 6.65 (d, J = 1.8 Hz, 1 H), 4.01 (s, 6 H), 3.93 (s, 3 H), 3.86 (s, 3 H), 3.81 (s, 3 H), 3.79 (s, 3 H), 3.78 (s, 3 H), 3.42 (td, J = 7.0, 12.9 Hz, 2 H), 3.39 - 3.32 (m, J = 1.0, 1.0, 1.0 Hz, 2 H), 3.31 - 3.23 (m, J = 1.0, 1.0, 1.0 Hz, 2 H), 3.06 (q, J = 6.5 Hz, 2 H), 2.81 (t, J = 7.0 Hz, 2 H), 2.53 - 2.46 (m, 2 H), 2.36 - 2.29 (m, 4 H), 2.29 - 2.22 (m, 4 H), 2.09 (s, 3 H), 1.83 - 1.74 (m, 2 H), 1.70 - 1.60 (m, 2 H), 1.52 (quin, J = 6.9 Hz, 2 H)



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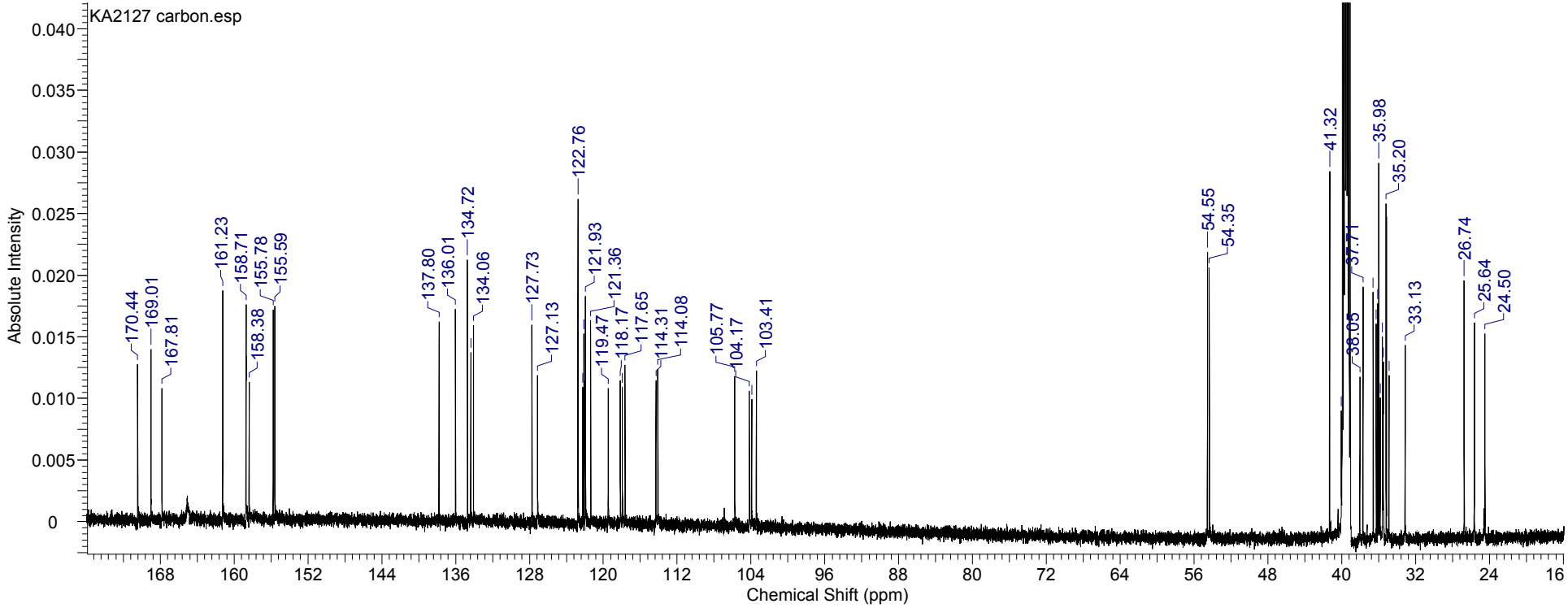
KA2127

ka2127

Acquisition Time (sec)	0.8651	***Comment***	ka2127f	***Date***	Jul 12 2013	***Date Stamp***	Jul 12 2013
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2127f_20130712_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Original Points Count***	32768	***Points Count***	32768	***Pulse Sequence***	s2pul
Receiver Gain	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	16123.4795	***Spectrum Type***	STANDARD
Sweep Width (Hz)	37878.79	***Temperature (degree C)***	25.000				



W:\D. Harris\NMR\Karl's NMR's\KA2127 carbon.esp

(ppm)	(Hz)
170.4	25707.3
169.0	25492.3
167.8	25310.8
161.2	24319.0
158.7	23938.6
158.7	23936.3
158.4	23887.8

(ppm)	(Hz)
155.8	23495.9
155.6	23468.2
137.8	20785.1
136.0	20514.6
134.7	20319.2
134.4	20266.0
134.1	20220.9

(ppm)	(Hz)
127.7	19264.9
127.1	19174.8
122.8	18515.8
122.7	18508.9
122.2	18436.1
122.1	18414.1
121.9	18393.3

(ppm)	(Hz)
121.9	18391.0
121.4	18304.3
119.5	18019.9
118.2	17823.4
117.9	17787.5
117.6	17744.8
114.3	17240.8

(ppm)	(Hz)
114.1	17207.2
105.8	15953.0
104.2	15712.5
103.9	15675.5
103.4	15598.1
54.6	8228.5
54.3	8197.3

(ppm)	(Hz)
41.3	6232.1
40.0	6040.2
38.0	5738.5
37.7	5687.7
36.6	5520.0
36.3	5470.3
36.1	5446.0

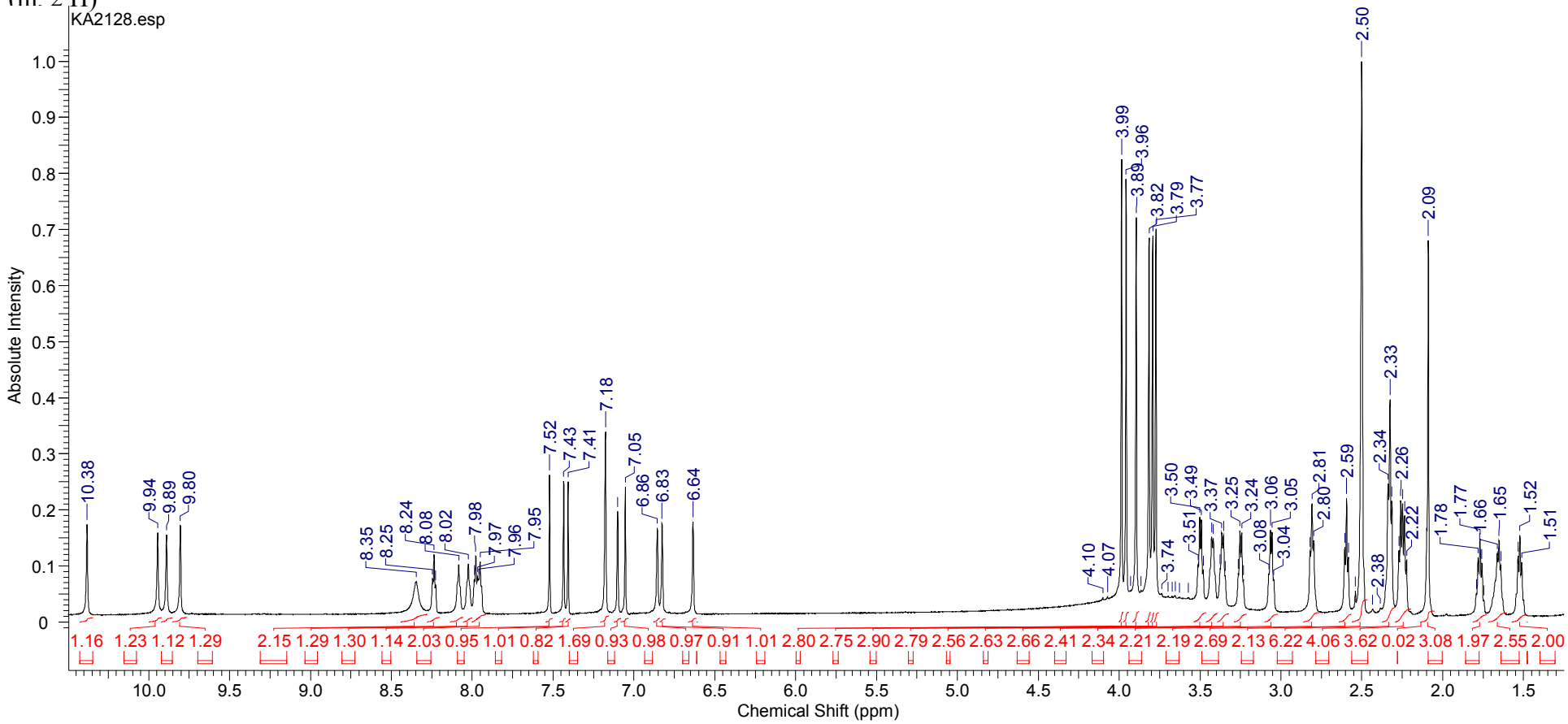
(ppm)	(Hz)
36.0	5427.6
35.8	5405.6
35.6	5367.4
35.5	5357.0
35.5	5353.6
35.2	5308.5
35.2	5302.7

(ppm)	(Hz)
34.9	5263.4
33.1	4997.5
26.7	4033.4
25.6	3866.9
24.5	3694.7

KA2128

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Jul 17 2013
Date Stamp	Jul 17 2013	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2128d_20130717_01\PROTON_01.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	8	***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 = 10.38 (s, 1 H), 9.94 (s, 1 H), 9.89 (s, 1 H), 9.80 (s, 1 H), 8.35 (br. s., 2 H), 8.24 (t, J = 5.6 Hz, 1 H), 8.14 - 8.06 (m, 1 H), 8.06 - 8.00 (m, 1 H), 8.00 - 7.91 (m, 2 H), 7.52 (s, 1 H), 7.43 (s, 1 H), 7.41 (s, 1 H), 7.18 (s, 2 H), 7.10 (s, 1 H), 7.05 (s, 1 H), 6.86 (s, 1 H), 6.83 (s, 1 H), 6.64 (s, 1 H), 3.99 (s, 3 H), 3.96 (s, 3 H), 3.89 (s, 3 H), 3.82 (s, 3 H), 3.79 (s, 3 H), 3.77 (s, 3 H), 3.54 - 3.46 (m, 2 H), 3.46 - 3.39 (m, J = 5.9 Hz, 2 H), 3.39 - 3.32 (m, 2 H), 3.29 - 3.21 (m, 2 H), 3.06 (q, J = 6.5 Hz, 2 H), 2.81 (t, J = 6.7 Hz, 2 H), 2.59 (t, J = 6.7 Hz, 2 H), 2.56 - 2.47 (m, 2 H), 2.33 (t, J = 7.0 Hz, 4 H), 2.25 (td, J = 7.3, 14.2 Hz, 4 H), 2.09 (s, 3 H), 1.77 (quin, J = 6.9 Hz, 2 H), 1.72 - 1.61 (m, 2 H), 1.57 - 1.48 (m, 2 H)



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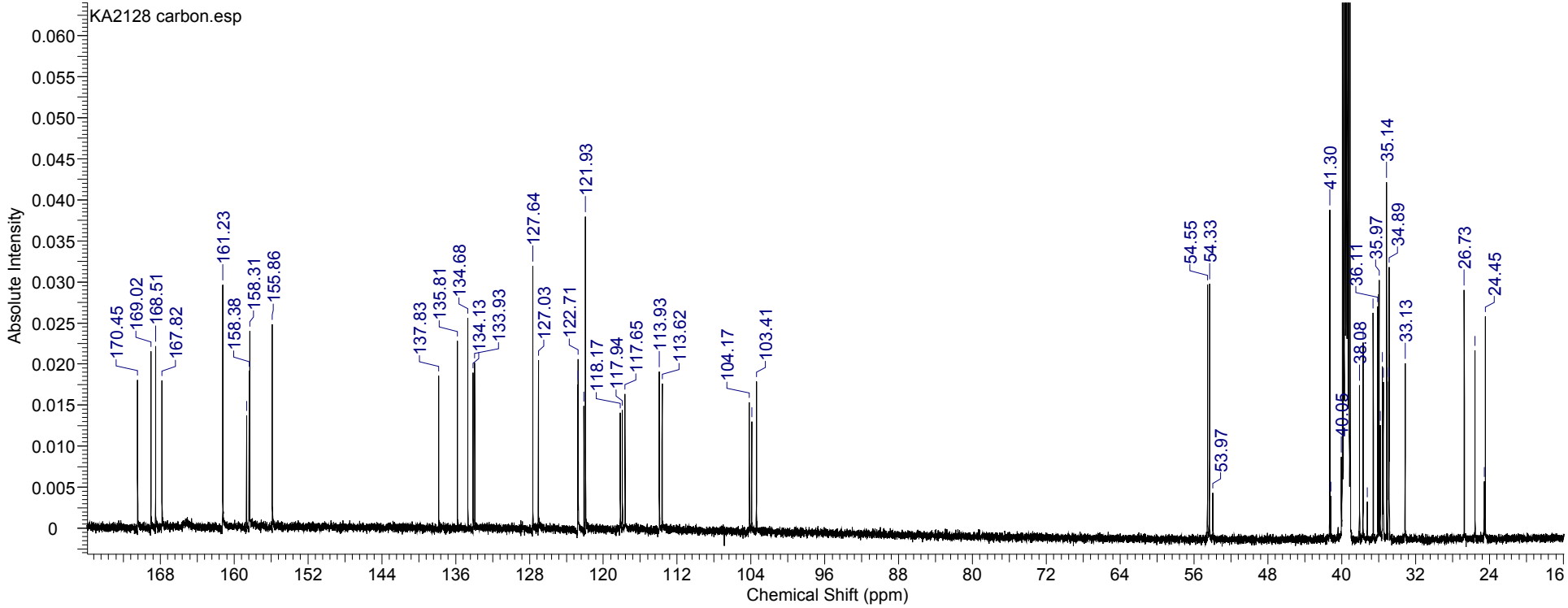
KA2128

ka2128d

Acquisition Time (sec)	0.8651	***Comment***	ka2128d	***Date***	Jul 17 2013	***Date Stamp***	Jul 17 2013
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2128d_20130717_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Original Points Count***	32768	***Points Count***	32768	***Pulse Sequence***	s2pul
Receiver Gain	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	16123.4795	***Spectrum Type***	STANDARD
Sweep Width (Hz)	37878.79	***Temperature (degree C)***	25.000				



W:\D. Harris\NMR\Karl's NMR's\KA2128 carbon.esp

(ppm)	(Hz)
170.4	25708.5
169.0	25493.5
168.5	25416.0
167.8	25312.0
161.2	24319.0
158.7	23929.4
158.4	23887.8
158.3	23877.4

(ppm)	(Hz)
155.9	23508.6
137.8	20789.7
135.8	20484.5
134.7	20313.4
134.1	20230.2
133.9	20200.1
127.6	19252.2
127.0	19159.7

(ppm)	(Hz)
122.8	18514.7
122.7	18508.9
122.1	18414.1
121.9	18391.0
118.2	17823.4
117.9	17788.7
117.7	17745.9
113.9	17184.1

(ppm)	(Hz)
113.6	17137.9
104.2	15712.5
103.9	15676.7
103.4	15596.9
54.5	8227.4
54.3	8195.0
54.0	8140.7
41.3	6229.8

(ppm)	(Hz)
41.2	6212.5
40.0	6040.2
38.1	5743.1
37.7	5686.5
37.2	5617.1
36.6	5520.0
36.1	5446.0
36.0	5427.6

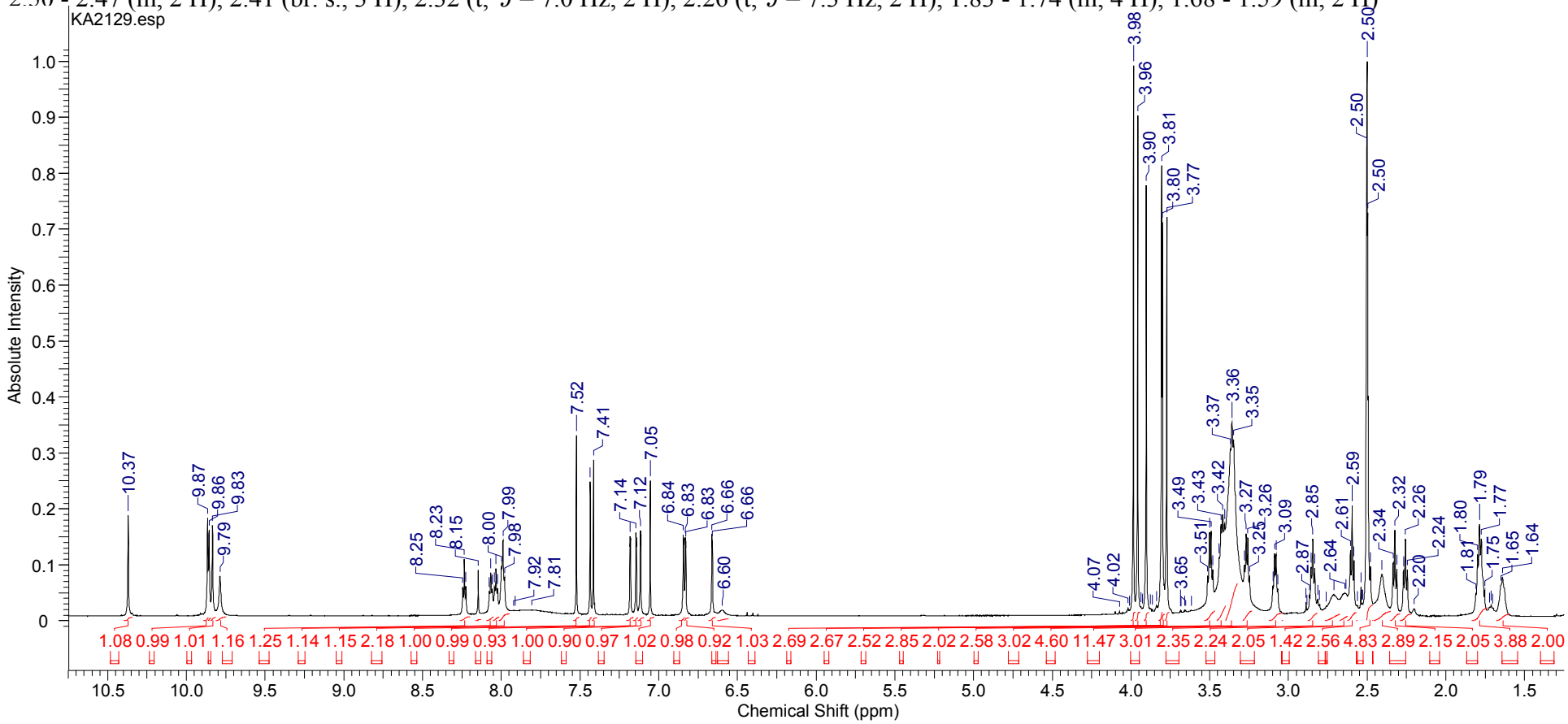
(ppm)	(Hz)
36.0	5425.2
35.8	5405.6
35.6	5367.4
35.5	5357.0
35.5	5354.7
35.1	5300.4
35.1	5298.1
34.9	5268.0

(ppm)	(Hz)
34.9	5262.2
34.9	5258.8
33.1	4997.5
26.7	4032.3
25.6	3856.5
24.6	3705.1
24.4	3687.8

KA2129

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Jul 17 2013
Date Stamp	Jul 17 2013	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2129d-protpn-071713.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	32	***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), 9.87 (s, 1 H), 9.86 (s, 1 H), 9.83 (s, 1 H), 9.79 (br. s., 1 H), 8.23 (t, J = 6.2 Hz, 1 H), 8.15 (s, 1 H), 8.07 (t, J = 5.6 Hz, 1 H), 8.03 (t, J = 5.6 Hz, 1 H), 7.99 (t, J = 5.9 Hz, 2 H), 7.52 (s, 1 H), 7.43 (s, 1 H), 7.41 (s, 1 H), 7.18 (d, J = 1.2 Hz, 1 H), 7.14 (d, J = 1.2 Hz, 1 H), 7.12 (d, J = 1.8 Hz, 1 H), 7.05 (s, 1 H), 6.84 (d, J = 1.8 Hz, 1 H), 6.83 (d, J = 1.8 Hz, 1 H), 6.66 (d, J = 1.8 Hz, 1 H), 6.60 (br. s., 1 H), 3.98 (s, 3 H), 3.96 (s, 3 H), 3.90 (s, 3 H), 3.81 (s, 3 H), 3.79 (s, 3 H), 3.77 (s, 3 H), 3.53 - 3.47 (m, 2 H), 3.45 - 3.40 (m, 2 H), 3.40 - 3.32 (m, 2 H), 3.29 - 3.23 (m, 2 H), 3.12 - 3.04 (m, 2 H), 2.88 - 2.82 (m, 2 H), 2.76 - 2.67 (m, 2 H), 2.67 - 2.62 (m, 2 H), 2.60 (t, J = 6.7 Hz, 2 H), 2.50 - 2.47 (m, 2 H), 2.41 (br. s., 3 H), 2.32 (t, J = 7.0 Hz, 2 H), 2.26 (t, J = 7.3 Hz, 2 H), 1.83 - 1.74 (m, 4 H), 1.68 - 1.59 (m, 2 H)



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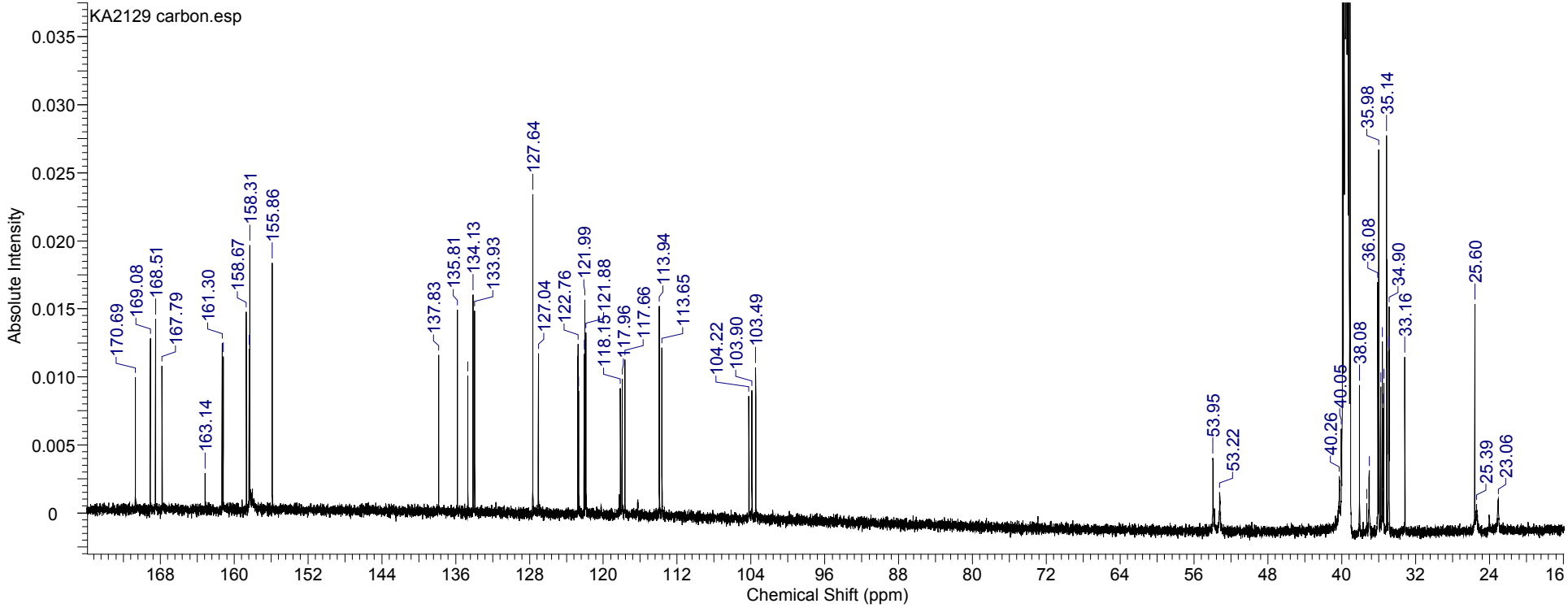
KA2129

ka2129

Acquisition Time (sec)	0.8651	***Comment***	ka2129d	***Date***	Jul 16 2013	***Date Stamp***	Jul 16 2013
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka2129d_20130716_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Original Points Count***	32768	***Points Count***	32768	***Pulse Sequence***	s2pul
Receiver Gain	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	16123.4795	***Spectrum Type***	STANDARD
Sweep Width (Hz)	37878.79	***Temperature (degree C)***	25.000				



W:\D. Harris\NMR\Karl's NMR's\KA2129 carbon.esp

(ppm)	(Hz)
170.7	25745.5
169.1	25502.7
168.5	25417.2
167.8	25308.5
163.1	24606.8
161.3	24329.4
161.2	24312.0

(ppm)	(Hz)
158.7	23931.7
158.4	23887.8
158.3	23877.4
155.9	23508.6
137.8	20789.7
135.8	20484.5
134.7	20313.4

(ppm)	(Hz)
134.1	20230.2
133.9	20201.3
127.6	19252.2
127.0	19160.9
122.8	18519.3
122.8	18515.8
122.7	18502.0

(ppm)	(Hz)
122.1	18412.9
122.0	18399.1
121.9	18382.9
118.1	17819.9
118.0	17792.2
117.7	17747.1
113.9	17185.3

(ppm)	(Hz)
113.6	17141.3
104.2	15719.5
103.9	15670.9
103.5	15609.6
53.9	8137.2
53.2	8027.4
40.3	6072.6

(ppm)	(Hz)
40.0	6040.2
38.1	5743.1
37.3	5625.2
37.0	5585.9
36.1	5442.6
36.0	5427.6
35.8	5399.8

(ppm)	(Hz)
35.6	5373.2
35.5	5354.7
35.5	5347.8
35.1	5300.4
35.1	5296.9
34.9	5268.0
34.9	5263.4

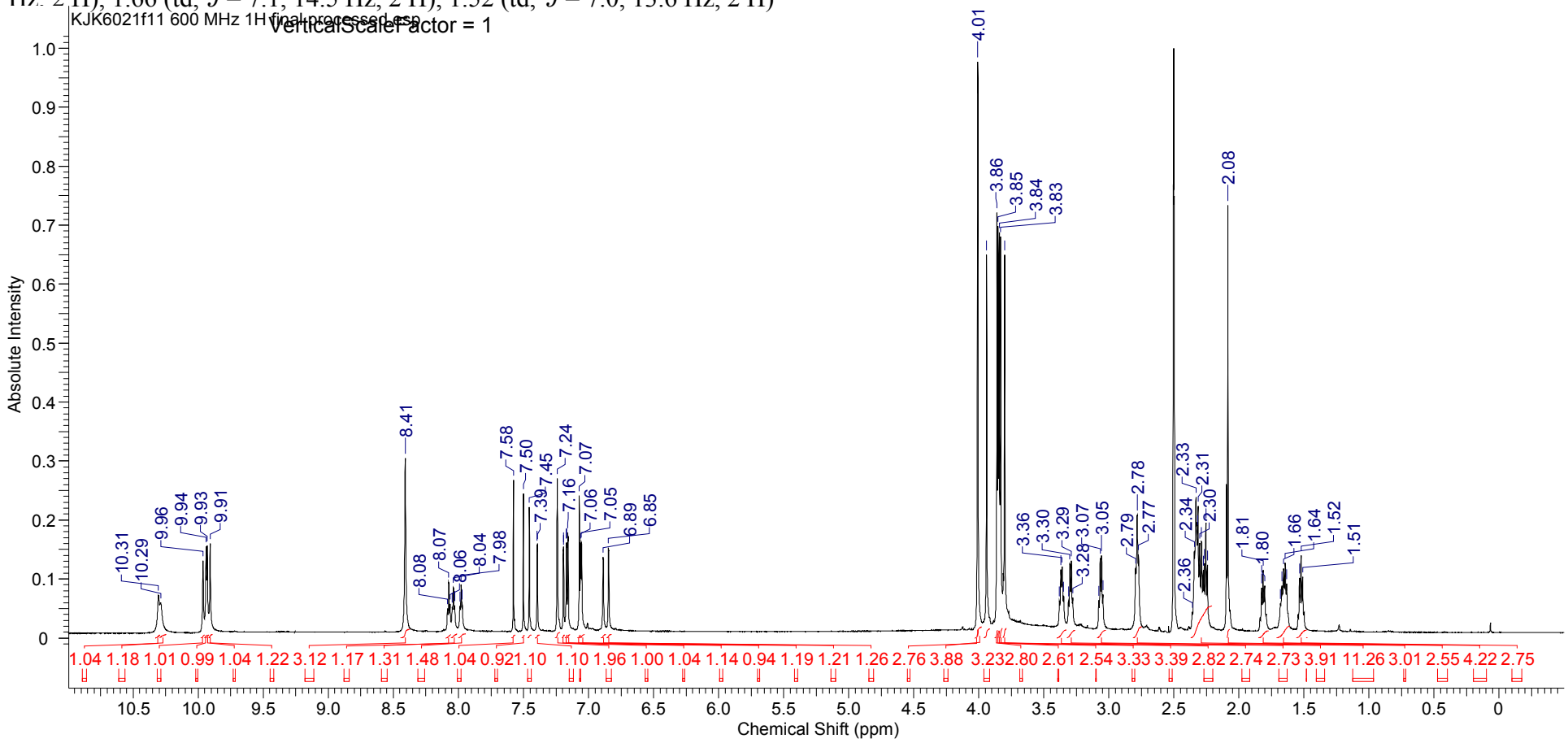
(ppm)	(Hz)
34.9	5258.8
33.2	5002.1
25.6	3861.2
25.4	3830.0
23.1	3478.5

KJK6021

4/1/2014 5:10:37 PM
Gradient Shimming

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Oct 28 2013
Date Stamp	Oct 28 2013	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\kjk621f11-proton_10282013.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	32	***Original Points Count***	16384
Points Count	16384	***Pulse Sequence***	s2pul	***Receiver Gain***	42.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3608.5234	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	23.000

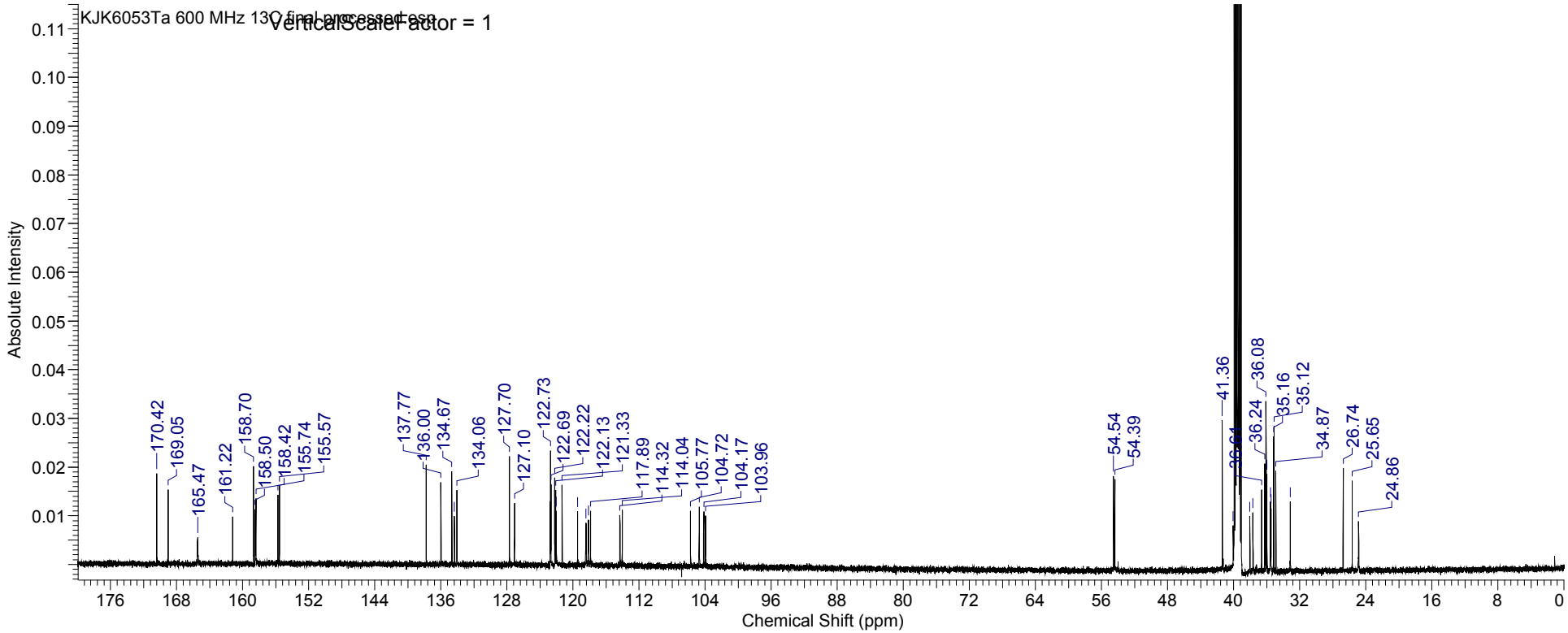
^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.31 (s, 1 H), 10.29 (s, 1 H), 9.96 (s, 1 H), 9.94 (s, 1 H), 9.93 (s, 1 H), 9.91 (s, 1 H), 8.41 (s, 2 H), 8.07 (t, J = 6.2 Hz, 1 H), 8.04 (t, J = 5.6 Hz, 1 H), 7.98 (t, J = 5.6 Hz, 1 H), 7.57 (s, 1 H), 7.50 (s, 1 H), 7.45 (s, 1 H), 7.39 (d, J = 1.8 Hz, 1 H), 7.23 (s, 2 H), 7.19 (d, J = 1.2 Hz, 1 H), 7.17 (d, J = 1.2 Hz, 1 H), 7.16 (d, J = 1.8 Hz, 1 H), 7.07 (s, 1 H), 7.06 (d, J = 1.2 Hz, 1 H), 7.05 (s, 1 H), 6.89 (s, 1 H), 6.85 (d, J = 1.2 Hz, 1 H), 4.01 (s, 3 H), 4.01 (s, 3 H), 3.94 (s, 3 H), 3.86 (s, 3 H), 3.85 (s, 3 H), 3.84 (s, 3 H), 3.83 (s, 3 H), 3.81 - 3.79 (m, 3 H), 3.40 - 3.33 (m, 2 H), 3.32 - 3.26 (m, 2 H), 3.06 (q, J = 6.5 Hz, 2 H), 2.78 (t, J = 6.7 Hz, 2 H), 2.37 - 2.21 (m, 8 H), 2.08 (s, 3 H), 1.81 (td, J = 7.1, 14.5 Hz, 2 H), 1.66 (td, J = 7.1, 14.5 Hz, 2 H), 1.52 (td, J = 7.0, 13.6 Hz, 2 H)



KJK6021

4/1/2014 5:15:33 PM

Acquisition Time (sec)	0.8651	***Comment***	kjk6053tq	***Date***	Feb 6 2014	***Date Stamp***	Feb 6 2014
File Name	\\stl.umsl.edu\steamboat\k\koellerk\My Documents\NMR fids\kjk6053tq_20140206_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Original Points Count***	32768	***Points Count***	32768	***Pulse Sequence***	s2pul
Receiver Gain	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	16117.6992	***Spectrum Type***	STANDARD
Sweep Width (Hz)	37878.79	***Temperature (degree C)***	23.000				



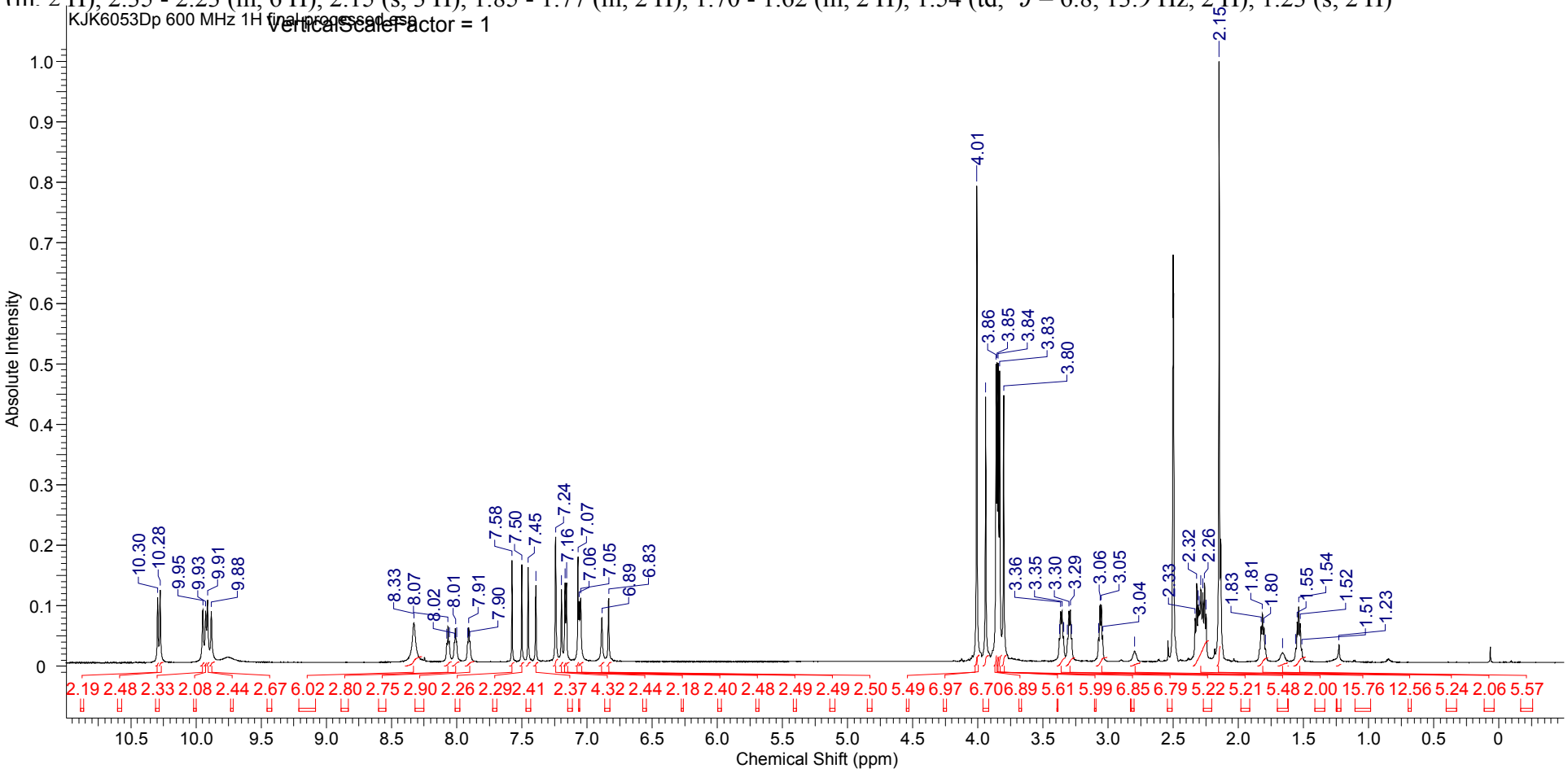
(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)
170.4	25703.9	158.4	23894.7	127.7	19261.5	122.1	18421.0	114.3	17243.1	41.4	6239.1	36.0	5422.9	25.6	3868.1
169.1	25498.1	155.7	23490.1	127.1	19170.1	122.0	18403.7	114.0	17201.5	40.0	6040.2	35.5	5361.7	24.9	3750.2
165.5	24958.2	155.6	23464.7	122.8	18515.8	121.3	18299.7	105.8	15953.0	38.0	5736.2	35.5	5351.3		
161.2	24316.7	137.8	20780.4	122.7	18511.2	119.5	18017.6	104.7	15794.6	37.7	5679.6	35.2	5303.9		
158.7	23937.5	136.0	20512.3	122.7	18505.4	118.5	17868.5	104.2	15712.5	36.6	5522.3	35.1	5296.9		
158.7	23935.2	134.7	20312.3	122.2	18434.9	118.4	17859.2	104.0	15680.2	36.2	5465.7	34.9	5259.9		
158.5	23906.3	134.4	20264.9	122.2	18431.4	118.1	17819.9	54.5	8226.2	36.1	5442.6	33.1	4998.7		
158.5	23900.5	134.1	20220.9	122.2	18426.8	117.9	17781.8	54.4	8204.3	36.1	5440.3	26.7	4033.4		

KJK6053Dp

2/20/2014 5:20:38 PM
kjk6053dp

Acquisition Time (sec)	1.7039	***Comment***	kjk6053dp	***Date***	Jan 30 2014	***Date Stamp***	Jan 30 2014
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\kjk6053-proton_01302014.fid\fid					***Frequency (MHz)***	599.78
Nucleus	1H	***Number of Transients***	16	***Original Points Count***	16384	***Points Count***	16384
Pulse Sequence	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	3610.8713
Spectrum Type	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	23.000		

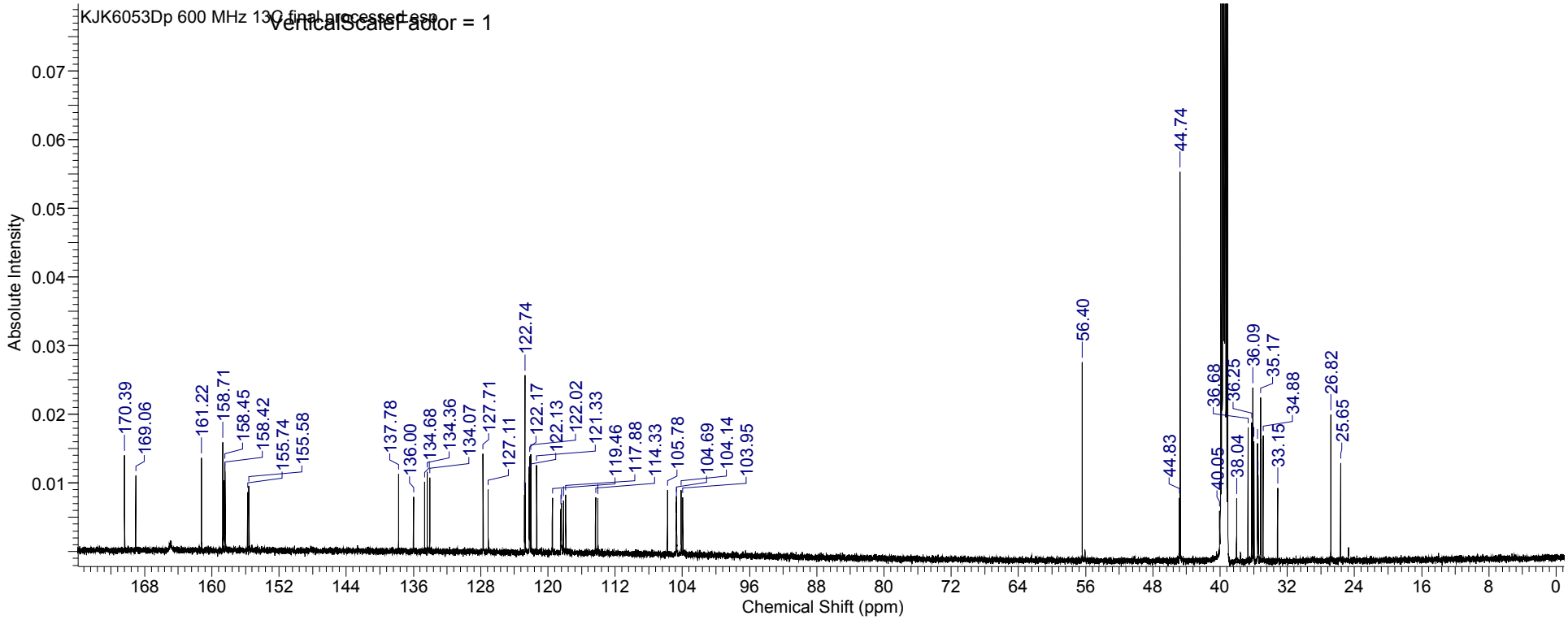
^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.30 (s, 1 H), 10.28 (s, 1 H), 9.95 (s, 1 H), 9.93 (s, 1 H), 9.91 (s, 1 H), 9.88 (s, 1 H), 8.33 (s, 2 H), 8.07 (t, J = 5.6 Hz, 1 H), 8.01 (t, J = 5.0 Hz, 1 H), 7.91 (t, J = 5.0 Hz, 1 H), 7.58 (s, 1 H), 7.50 (s, 1 H), 7.45 (s, 1 H), 7.39 (s, 1 H), 7.24 (s, 2 H), 7.20 (s, 1 H), 7.17 (s, 1 H), 7.15 (s, 1 H), 7.07 (s, 1 H), 7.06 (s, 1 H), 7.05 (s, 1 H), 6.89 (s, 1 H), 6.83 (s, 1 H), 4.02 (s, 3 H), 4.01 (s, 3 H), 3.94 (s, 3 H), 3.86 (s, 3 H), 3.85 (s, 3 H), 3.84 (s, 3 H), 3.83 (s, 3 H), 3.80 (s, 3 H), 3.36 (q, J = 6.0 Hz, 2 H), 3.29 (q, J = 6.5 Hz, 2 H), 3.06 (q, J = 6.5 Hz, 2 H), 2.83 - 2.75 (m, 2 H), 2.35 - 2.23 (m, 6 H), 2.15 (s, 3 H), 1.85 - 1.77 (m, 2 H), 1.70 - 1.62 (m, 2 H), 1.54 (td, J = 6.8, 13.9 Hz, 2 H), 1.23 (s, 2 H)



KJK6053Dp

2/28/2014 12:12:04 PM
kjk6053dp

Acquisition Time (sec)	0.8651	***Comment***	kjk6053dp	***Date***	Jan 29 2014	***Date Stamp***	Jan 29 2014
File Name	\\stl.umsl.edu\steamboat\k\koellerk\My Documents\NMR fids\kjk6053dp_20140129_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Number of Transients***	35000	***Original Points Count***	32768	***Points Count***	32768
Pulse Sequence	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	15404.4170
Spectrum Type	STANDARD	***Sweep Width (Hz)***	37878.79	***Temperature (degree C)***	23.000		



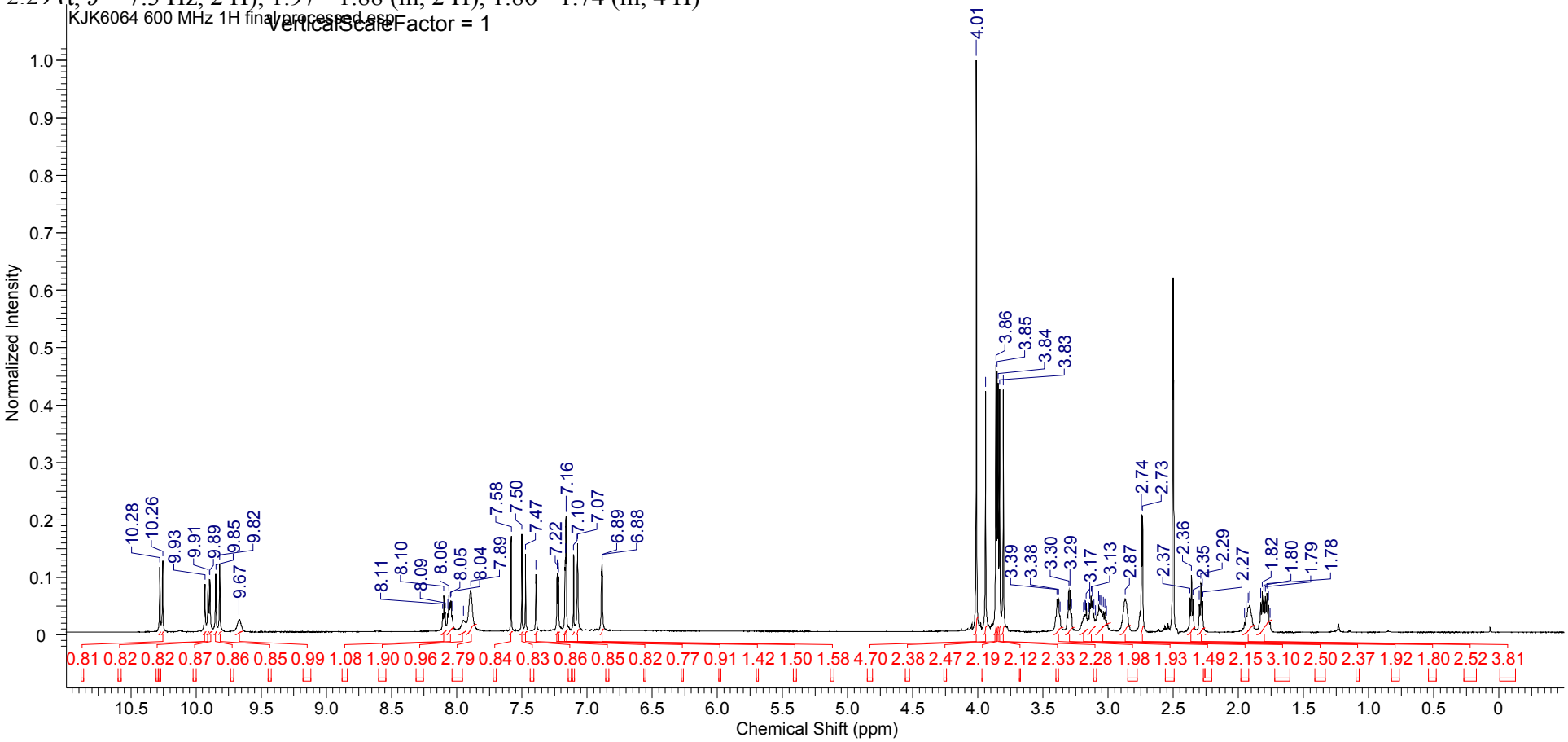
(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)
170.4	25699.2	155.7	23490.1	127.1	19171.3	122.0	18403.7	114.1	17202.6	44.7	6748.8	35.5	5347.8
169.1	25499.2	155.6	23465.8	122.8	18518.1	121.3	18300.8	105.8	15954.1	40.0	6040.2	35.2	5305.0
161.2	24316.6	137.8	20781.6	122.7	18512.3	119.5	18018.7	104.7	15794.6	38.0	5737.3	35.1	5298.0
158.7	23938.6	136.0	20512.2	122.7	18505.4	118.5	17869.6	104.7	15791.1	36.7	5532.7	34.9	5261.1
158.7	23936.3	134.7	20313.4	122.2	18436.0	118.4	17859.2	104.1	15707.9	36.2	5466.8	33.1	4999.8
158.5	23906.2	134.4	20264.8	122.2	18431.4	118.2	17821.0	104.0	15679.0	36.1	5443.7	26.8	4044.9
158.5	23899.3	134.1	20222.1	122.2	18426.8	117.9	17779.4	56.4	8507.1	36.0	5422.9	25.7	3869.2
158.4	23894.7	127.7	19262.6	122.1	18421.0	114.3	17244.2	44.8	6761.6	35.5	5359.3		

KJK6064

3/6/2014 4:02:36 PM
Gradient Shimming

Acquisition Time (sec)	1.7039	***Comment***	Gradient Shimming			***Date***	Mar 6 2014
Date Stamp	Mar 6 2014	***File Name***	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\kjk6064-proton.fid\fid				
Frequency (MHz)	599.78	***Nucleus***	1H	***Number of Transients***	16	***Original Points Count***	16384
Points Count	16384	***Pulse Sequence***	s2pul	***Receiver Gain***	42.00	***Solvent***	DMSO-d6
Spectrum Offset (Hz)	3608.5234	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	23.000

^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 10.28 (s, 1 H), 10.26 (s, 1 H), 9.93 (s, 1 H), 9.91 (s, 1 H), 9.89 (s, 1 H), 9.85 (s, 1 H), 9.82 (s, 1 H), 9.67 (br. s., 1 H), 8.10 (t, *J* = 5.9 Hz, 1 H), 8.08 - 8.02 (m, 2 H), 7.95 (br. s., 1 H), 7.89 (br. s., 3 H), 7.58 (s, 1 H), 7.50 (s, 1 H), 7.47 (s, 1 H), 7.39 (d, *J* = 1.8 Hz, 1 H), 7.23 (d, *J* = 1.2 Hz, 1 H), 7.22 (d, *J* = 1.8 Hz, 1 H), 7.17 (d, *J* = 1.8 Hz, 1 H), 7.16 (d, *J* = 1.2 Hz, 2 H), 7.10 (s, 1 H), 7.07 (s, 2 H), 6.90 - 6.87 (m, 2 H), 4.01 (s, 6 H), 3.94 (s, 3 H), 3.86 (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* = 6.5 Hz, 2 H), 3.22 - 3.16 (m, 2 H), 3.16 - 3.10 (m, 2 H), 3.10 - 2.98 (m, 2 H), 2.91 - 2.83 (m, 2 H), 2.74 (d, *J* = 4.7 Hz, 3 H), 2.36 (t, *J* = 7.3 Hz, 2 H), 2.29 (t, *J* = 7.3 Hz, 2 H), 1.97 - 1.88 (m, 2 H), 1.86 - 1.74 (m, 4 H)

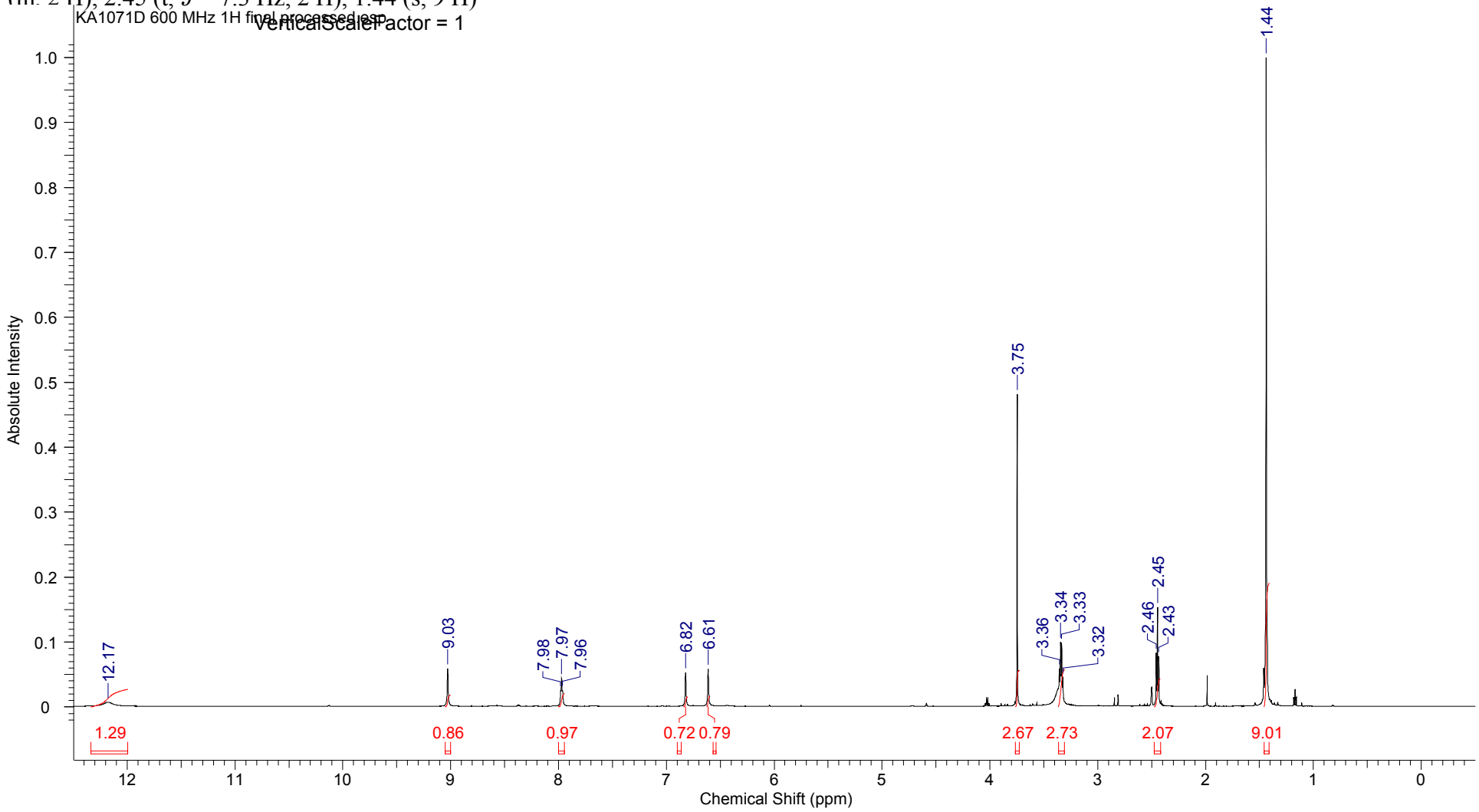


KA1071D

3/25/2014 5:20:51 PM
ka1071d

Acquisition Time (sec)	1.7039	***Comment***	ka1071d	***Date***	Mar 17 2014	***Date Stamp***	Mar 17 2014
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka1071d_20140317_01\PROTON_01.fid\fid					***Frequency (MHz)***	599.78
Nucleus	1H	***Number of Transients***	32	***Original Points Count***	16384	***Points Count***	16384
Pulse Sequence	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	3610.2842
Spectrum Type	STANDARD	***Sweep Width (Hz)***	9615.38	***Temperature (degree C)***	23.000		

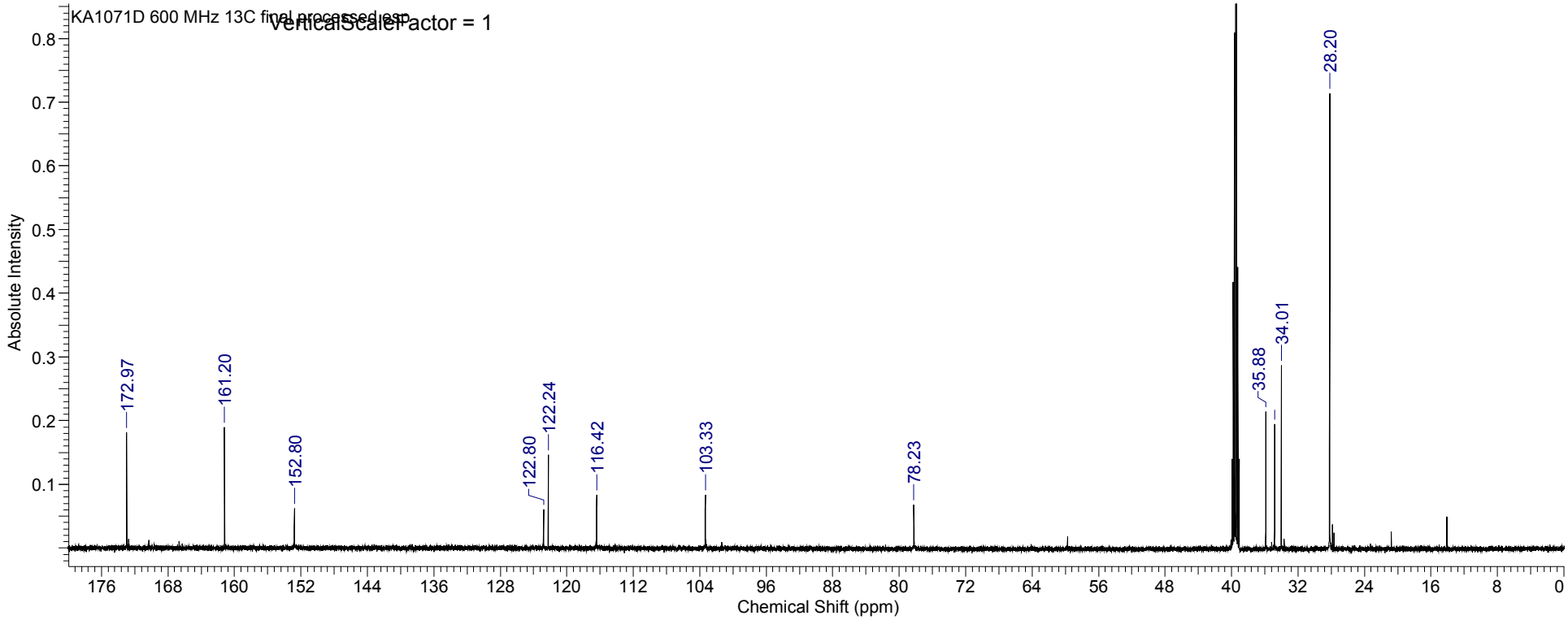
^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 12.17 (br. s., 1 H), 9.03 (s, 1 H), 7.97 (t, J = 5.3 Hz, 1 H), 6.82 (s, 1 H), 6.61 (s, 1 H), 3.75 (s, 3 H), 3.36 - 3.31 (m, 2 H), 2.45 (t, J = 7.3 Hz, 2 H), 1.44 (s, 9 H)



KA1071D

3/25/2014 2:12:52 PM
ka1071d

Acquisition Time (sec)	0.8651	***Comment***	ka1071d	***Date***	Mar 17 2014	***Date Stamp***	Mar 17 2014
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka1071d_20140317_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Number of Transients***	2000	***Original Points Count***	32768	***Points Count***	32768
Pulse Sequence	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	16121.1680
Spectrum Type	STANDARD	***Sweep Width (Hz)***	37878.79	***Temperature (degree C)***	23.000		



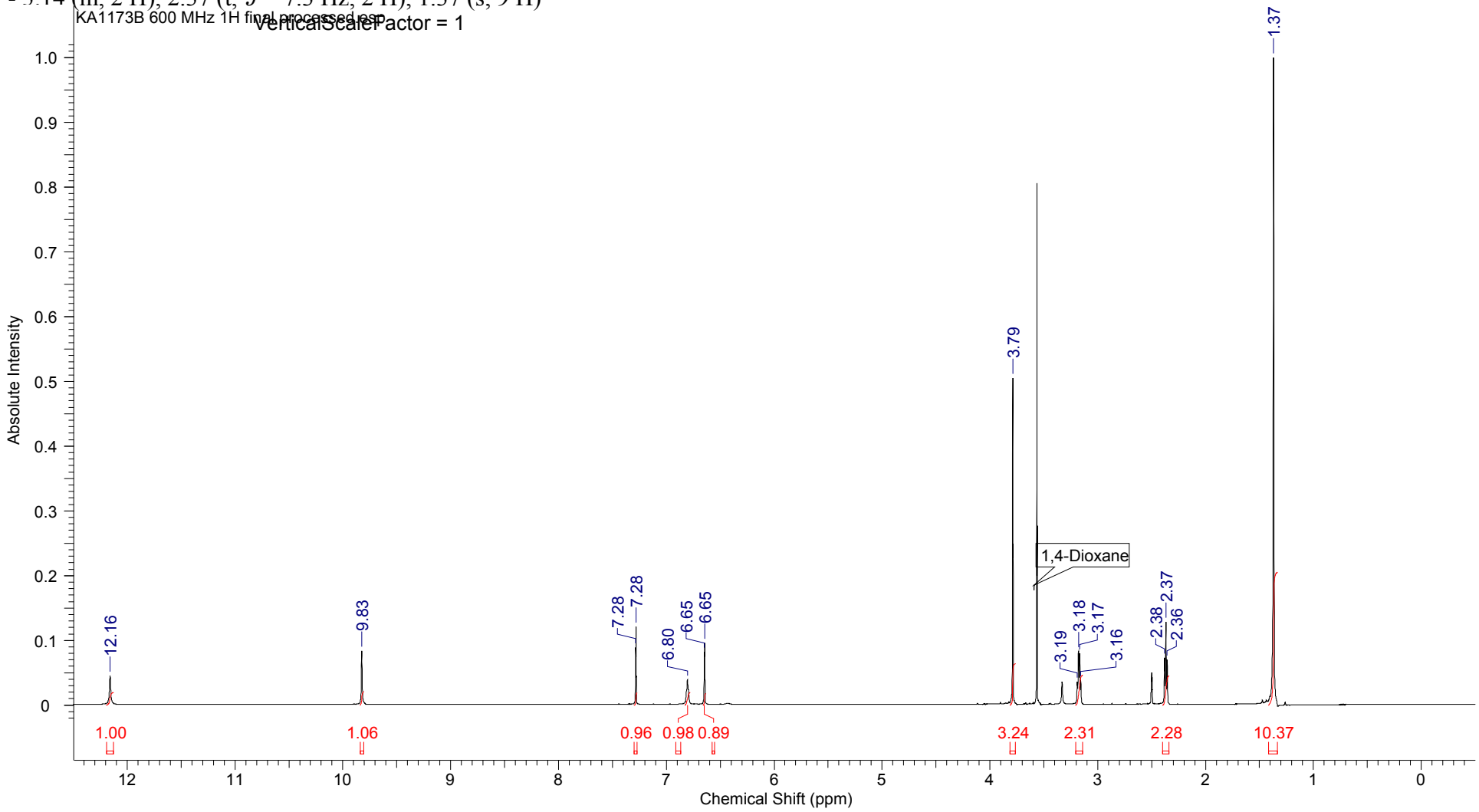
(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)
173.0	26088.8	152.8	23046.2	122.2	18437.2	103.3	15585.4	35.9	5412.5	34.0	5130.5
161.2	24313.2	122.8	18521.6	116.4	17559.8	78.2	11799.4	34.8	5251.8	28.2	4253.1

KA1173B

3/21/2014 5:10:41 PM
ka1173b

Acquisition Time (sec)	1.7039	***Comment***	ka1173b	***Date***	Mar 21 2014	***Date Stamp***	Mar 21 2014
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka1173b-proton.fid\fid					***Frequency (MHz)***	599.78
Nucleus	1H	***Number of Transients***	32	***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)***	23.000		

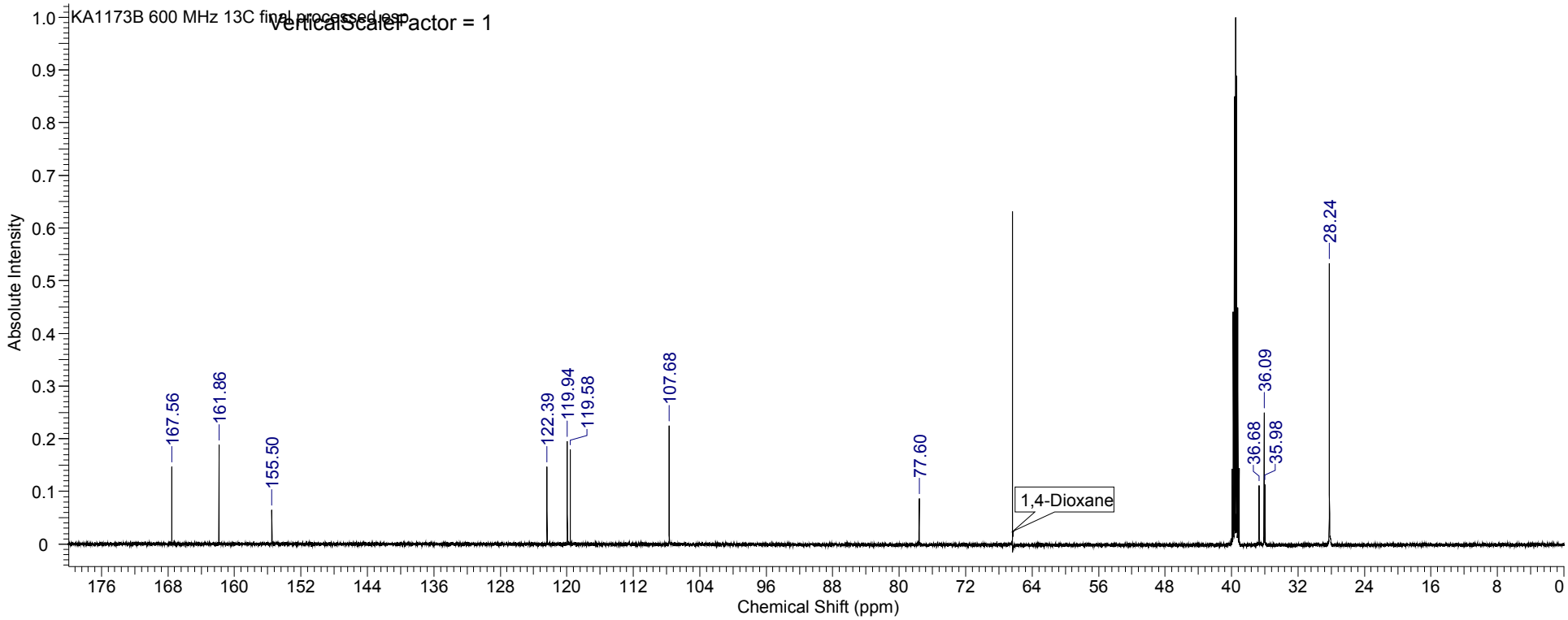
^{1}H NMR (600MHz ,DMSO-d$_6$) δ = 12.16 (s, 1 H), 9.83 (s, 1 H), 7.28 (s, 1 H), 6.80 (s, 1 H), 6.65 (d, J = 1.8 Hz, 1 H), 3.79 (d, J = 1.0 Hz, 3 H), 3.20 - 3.14 (m, 2 H), 2.37 (t, J = 7.3 Hz, 2 H), 1.37 (s, 9 H)



KA1173B

3/21/2014 5:06:21 PM
ka1173b

Acquisition Time (sec)	0.8651	***Comment***	ka1173b	***Date***	Mar 17 2014	***Date Stamp***	Mar 17 2014
File Name	\\stl.umsl.edu\deptshare\sh_nmrdata\Agilent600\bashkin\ka1173b_20140317_01\CARBON_01.fid\fid					***Frequency (MHz)***	150.83
Nucleus	13C	***Number of Transients***	2000	***Original Points Count***	32768	***Points Count***	32768
Pulse Sequence	s2pul	***Receiver Gain***	30.00	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	16121.1680
Spectrum Type	STANDARD	***Sweep Width (Hz)***	37878.79	***Temperature (degree C)***	23.000		



(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)	(ppm)	(Hz)
167.6	25272.7	155.5	23454.3	119.9	18090.4	107.7	16242.0	36.7	5532.7	36.0	5426.4
161.9	24413.8	122.4	18460.3	119.6	18036.1	77.6	11704.7	36.1	5443.7	28.2	4258.8