

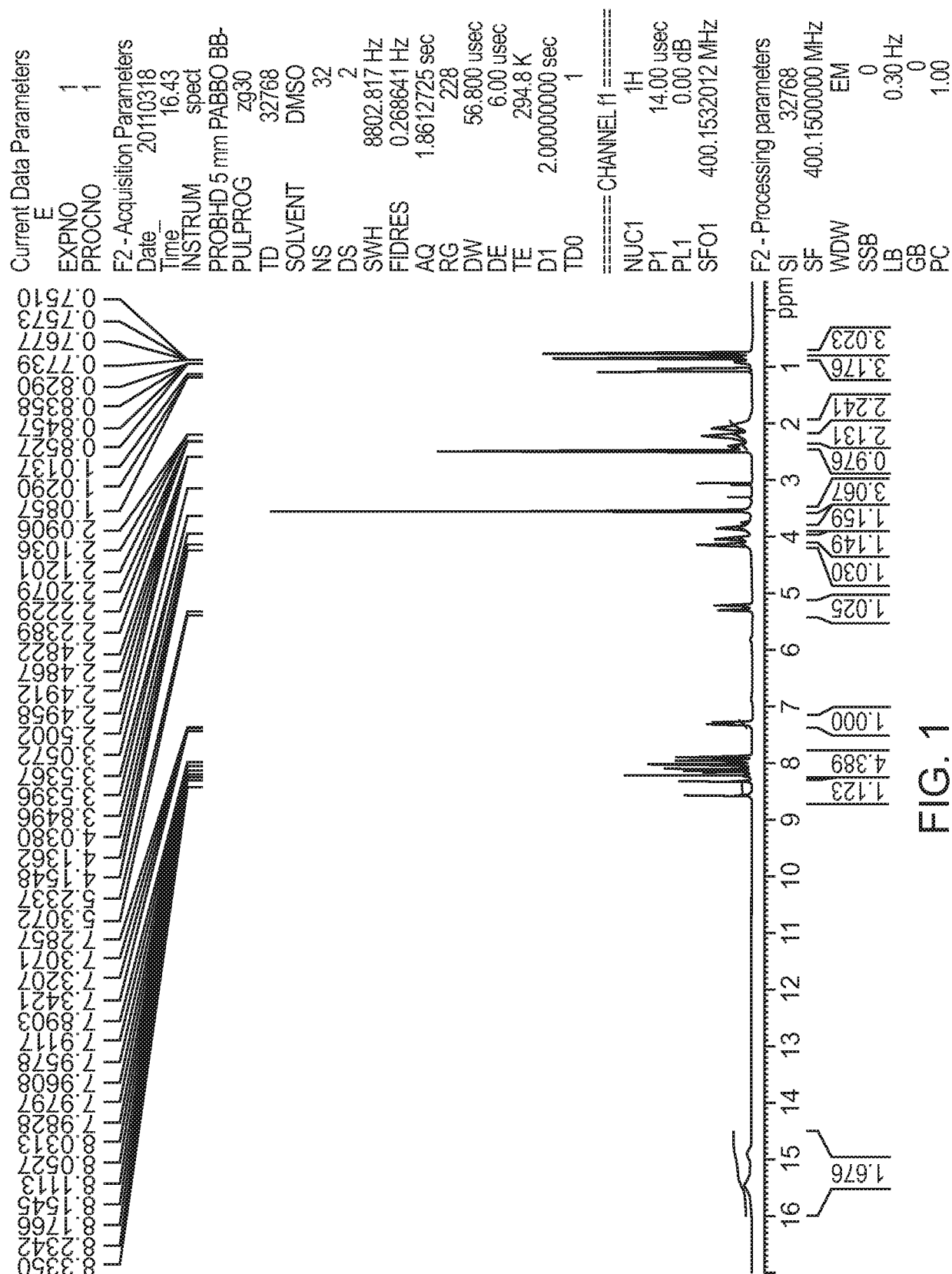


FIG. 1

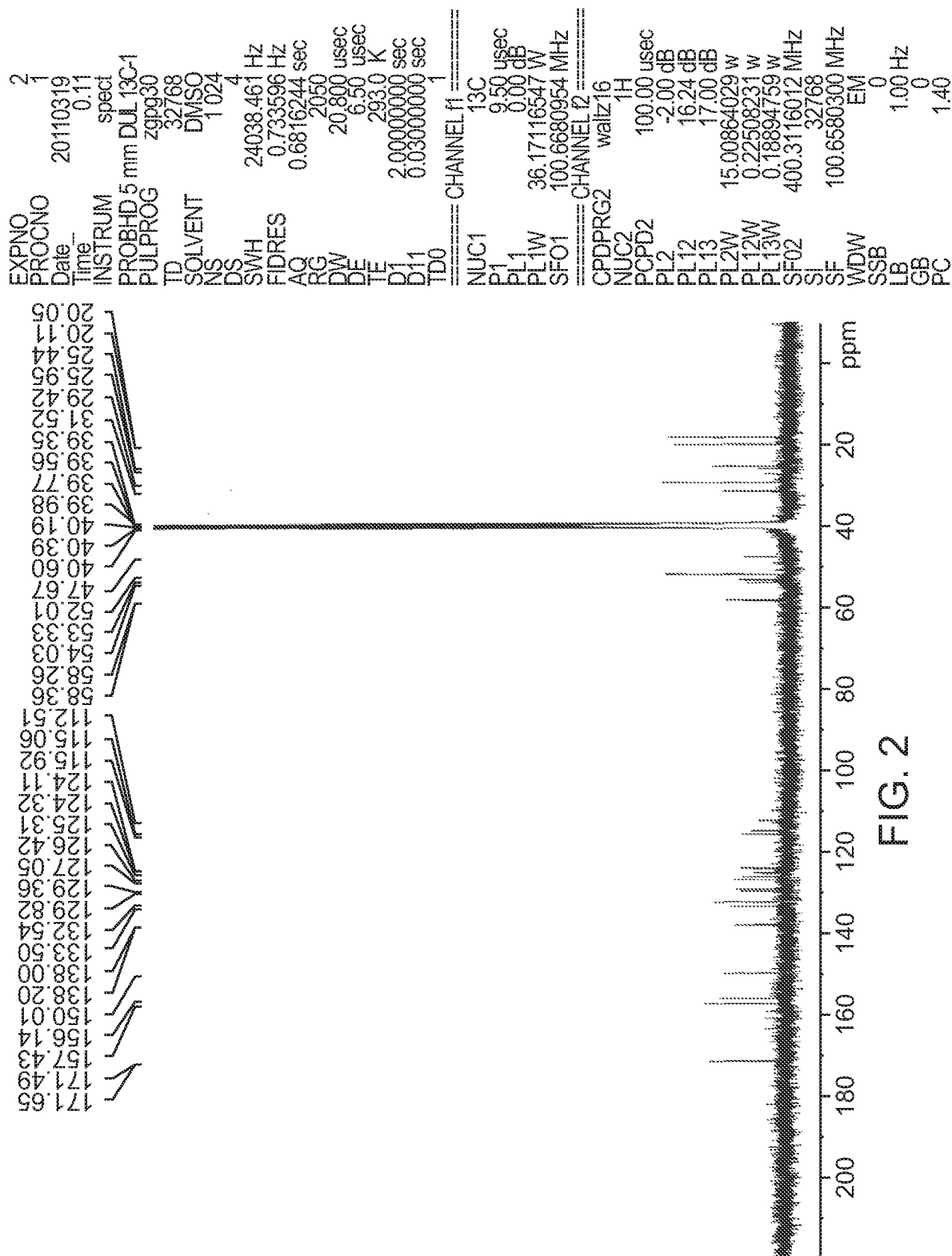


FIG. 2

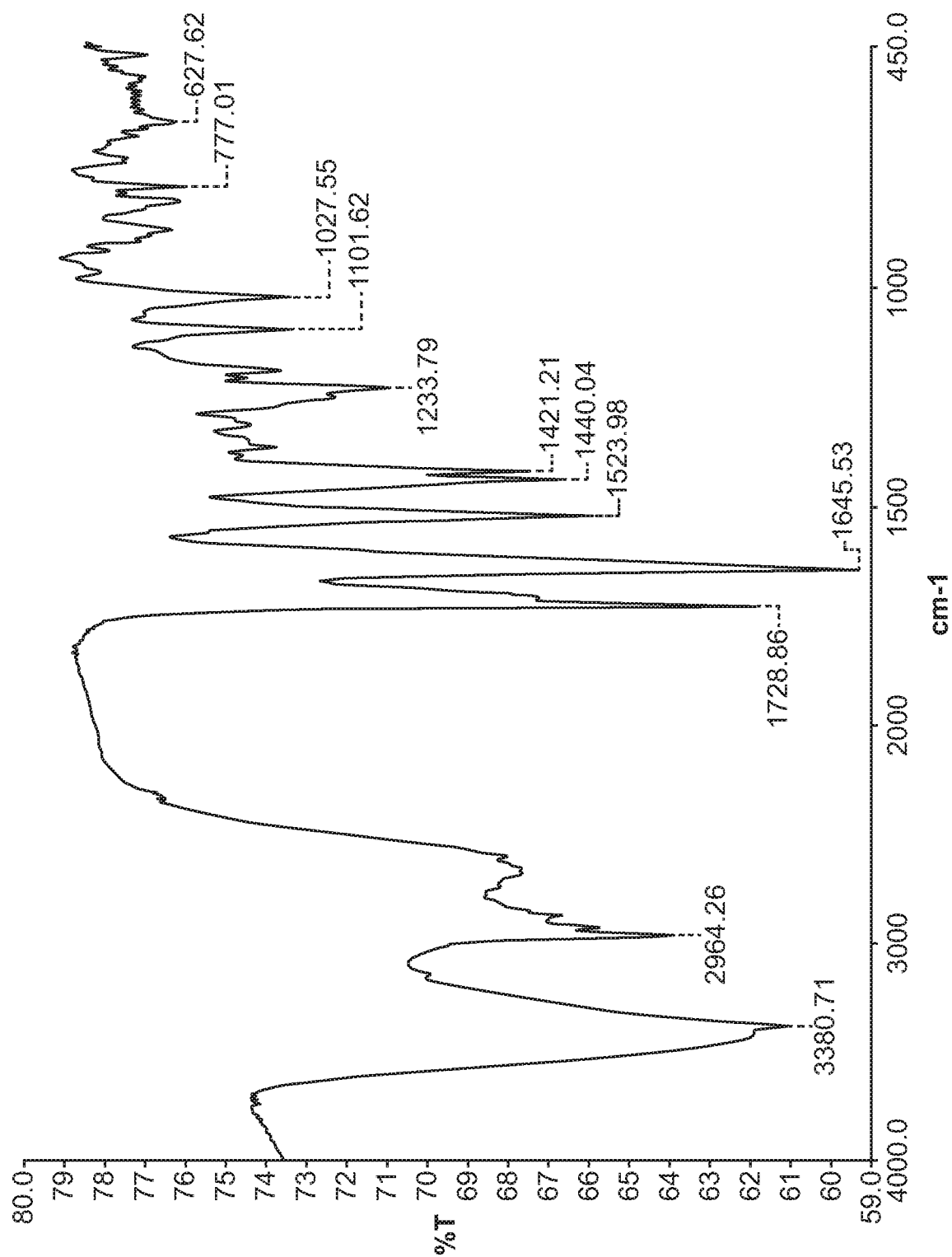
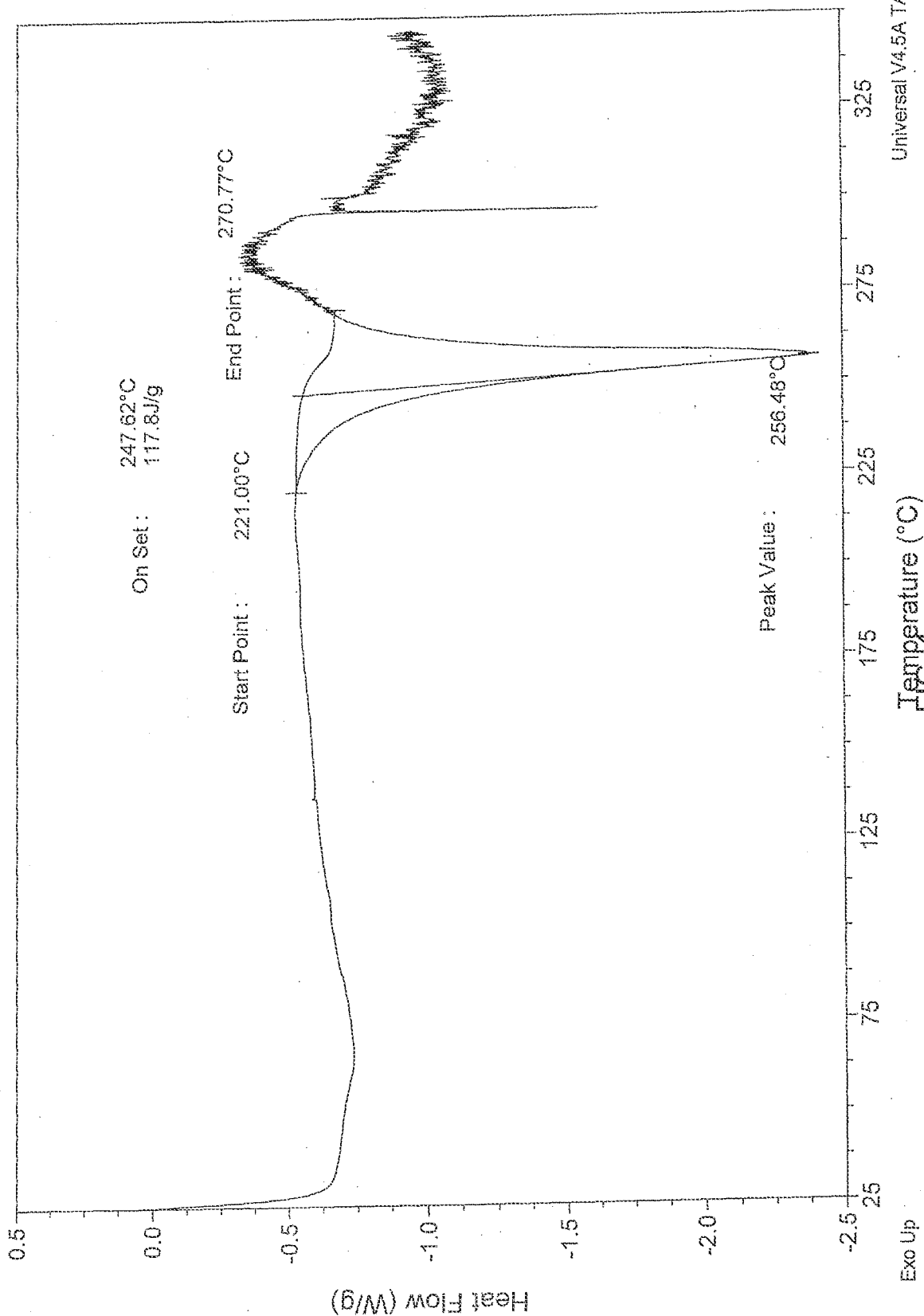


FIG. 3

DSC

Size: 4.3000 mg

Instrument: DSC Q2000 V24.4 Build 116



Universal V4.5A TA Instruments

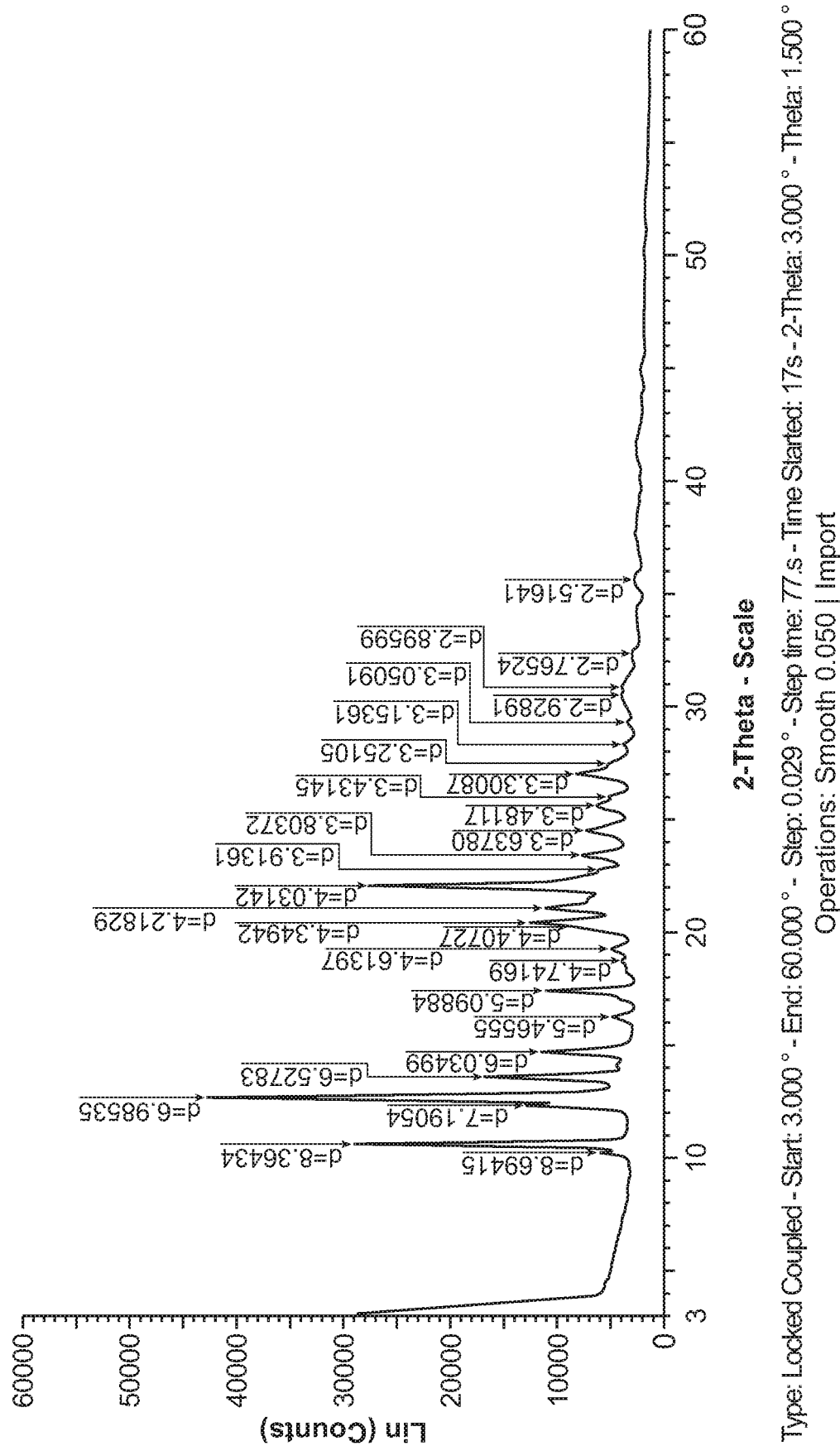


FIG. 5

Angle	d value	Intensity	Intensity %
2-Theta °	Angstrom	Count	%
10.166	8.69415	5708	13.3
10.568	8.36434	28928	67.5
12.299	7.19054	12894	30.1
12.662	6.98535	42837	100
13.554	6.52783	16816	39.3
14.666	6.03499	11382	26.6
16.204	5.46555	4718	11
17.378	5.09884	10903	25.5
18.699	4.74169	3763	8.8
19.221	4.61397	4832	11.3
20.132	4.40727	8025	18.7
20.402	4.34942	12587	29.4
21.044	4.21829	11094	25.9
22.031	4.03142	27821	64.9
22.703	3.91361	6285	14.7
23.368	3.80372	7561	17.7
24.45	3.6378	7191	16.8
25.568	3.48117	6196	14.5
25.945	3.43145	5107	11.9
26.99	3.30087	8326	19.4
27.412	3.25105	5230	12.2
28.276	3.15361	3775	8.8
29.249	3.05091	3447	8
30.496	2.92891	3958	9.2
30.851	2.89599	3986	9.3
32.349	2.76524	3001	7
35.65	2.51641	2689	6.3

FIG. 6

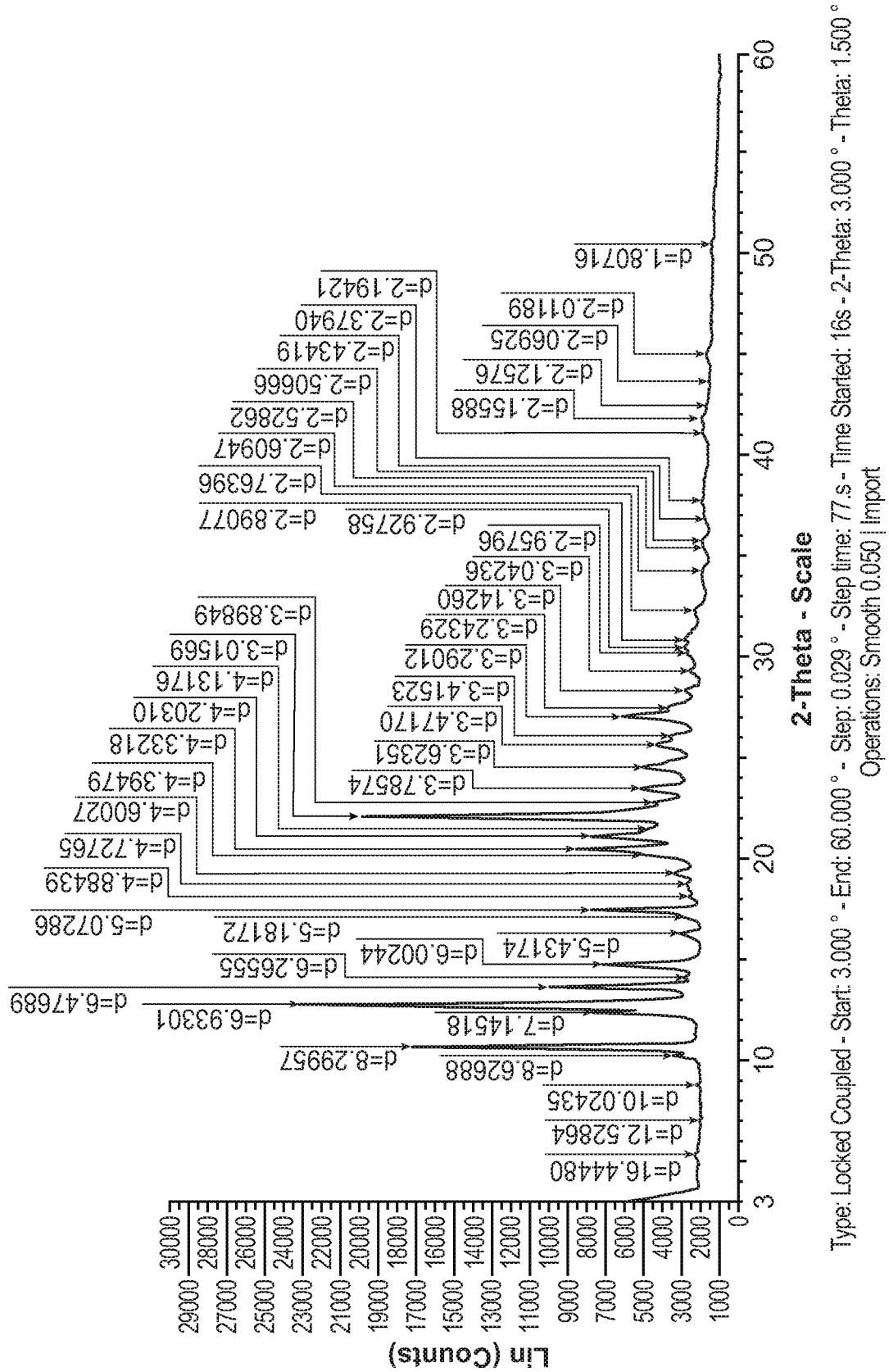


FIG. 7

Angle 2-Theta °	d value Angstrom	Intensity Count	Intensity %
5.37	16.4448	2213	9.5
7.05	12.52864	1956	8.4
8.814	10.02435	2166	9.3
10.246	8.62688	3442	14.8
10.651	8.29957	17253	73.9
12.378	7.14518	7695	33
12.758	6.93301	23332	100
13.661	6.47689	9955	42.7
14.124	6.26555	2769	11.9
14.746	6.00244	7207	30.9
16.306	5.43174	3007	12.9
17.098	5.18172	2798	12
17.468	5.07286	7717	33.1
18.148	4.88439	2542	10.9
18.755	4.72765	2623	11.2
19.279	4.60027	3311	14.2
20.189	4.39479	4976	21.3
20.484	4.33218	8513	36.5
21.121	4.2031	7703	33
21.489	4.13176	4804	20.6
22.118	4.01569	19990	85.7
22.792	3.89849	4432	19
23.48	3.78574	5107	21.9
24.548	3.62351	5035	21.6
25.639	3.4717	4302	18.4
26.07	3.41523	3601	15.4
27.08	3.29012	6181	26.5
27.461	3.24529	3704	15.9
28.377	3.1426	2756	11.8
29.333	3.04236	2546	10.9
30.189	2.95796	2623	11.2
30.51	2.92758	2805	12
30.908	2.89077	2806	12
32.365	2.76396	2261	9.7
34.338	2.60947	1634	7.9
35.472	2.52862	1777	7.6
35.761	2.50886	1893	8.1
36.897	2.43419	1654	7.1
37.778	2.3794	1887	8.1
41.104	2.19421	1629	7.8
41.869	2.15588	1877	8
42.491	2.12576	1627	7
43.71	2.06925	1510	6.5
45.024	2.01189	1622	7
50.459	1.80716	1369	5.9

FIG. 8

Paralytical X-Pert Pro MPD PW3040 Pro
X-ray Tube: Cu(1.54059 Å) Voltage: 45 kV Amperage: 40 mA Scan Range: 1.00 - 39.99 °2θ Step Size: 0.017 °2θ
Collection Time: 719 s Scan Speed: 3.3°/min Slit: DS: 1/2° SS: null Revolution Time: 1.0 s Mode: Transmission

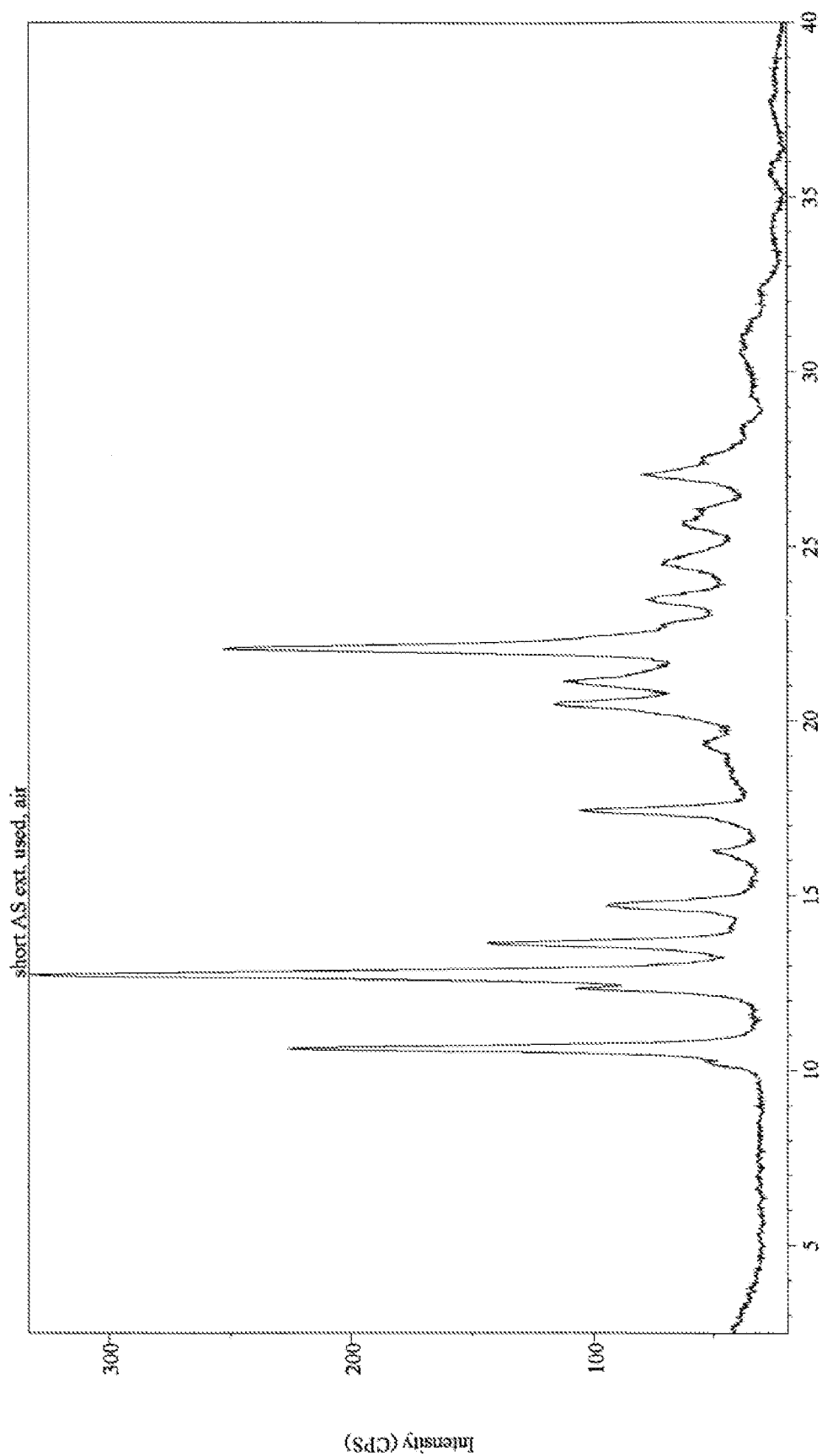
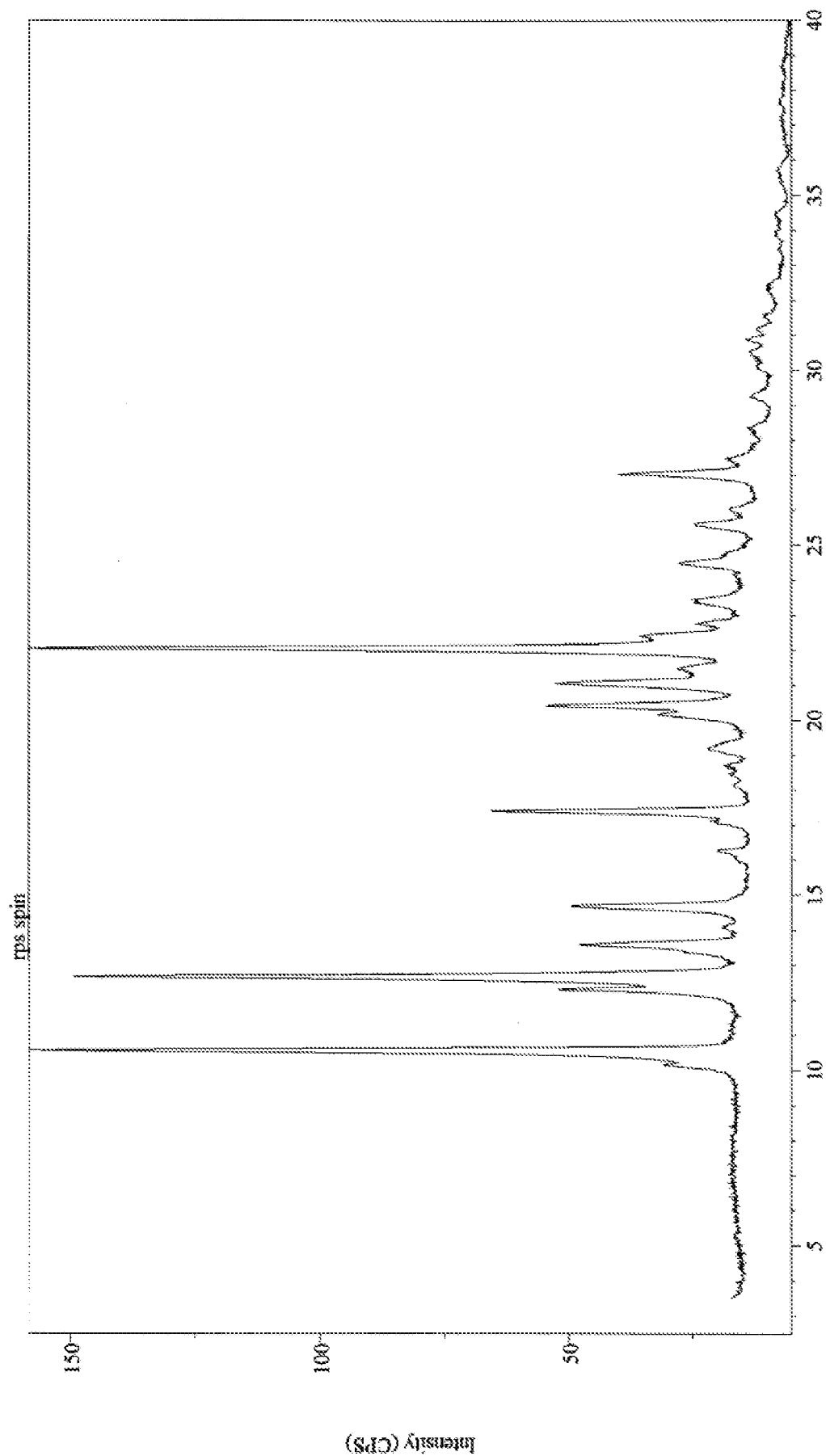


Image by File Monkey v3.2.3

θ-2θ (deg)

FIG. 9

Panalytical X-Pert Pro MPD PW3040 Pro
X-ray Tube: Cu(1.54059 Å) Voltage: 45 kV Amperage: 40 mA Scan Range: 3.51 - 39.99 °2θ Step Size: 0.017 °2θ
Collection Time: 1824 s Scan Speed: 1.2°/min Slit: DS: 1/8° SS: 1/4° Revolution Time: 0.0 null Mode: Reflection



0-2θ (deg)

Image by File Monkey v3.2.3

FIG. 10

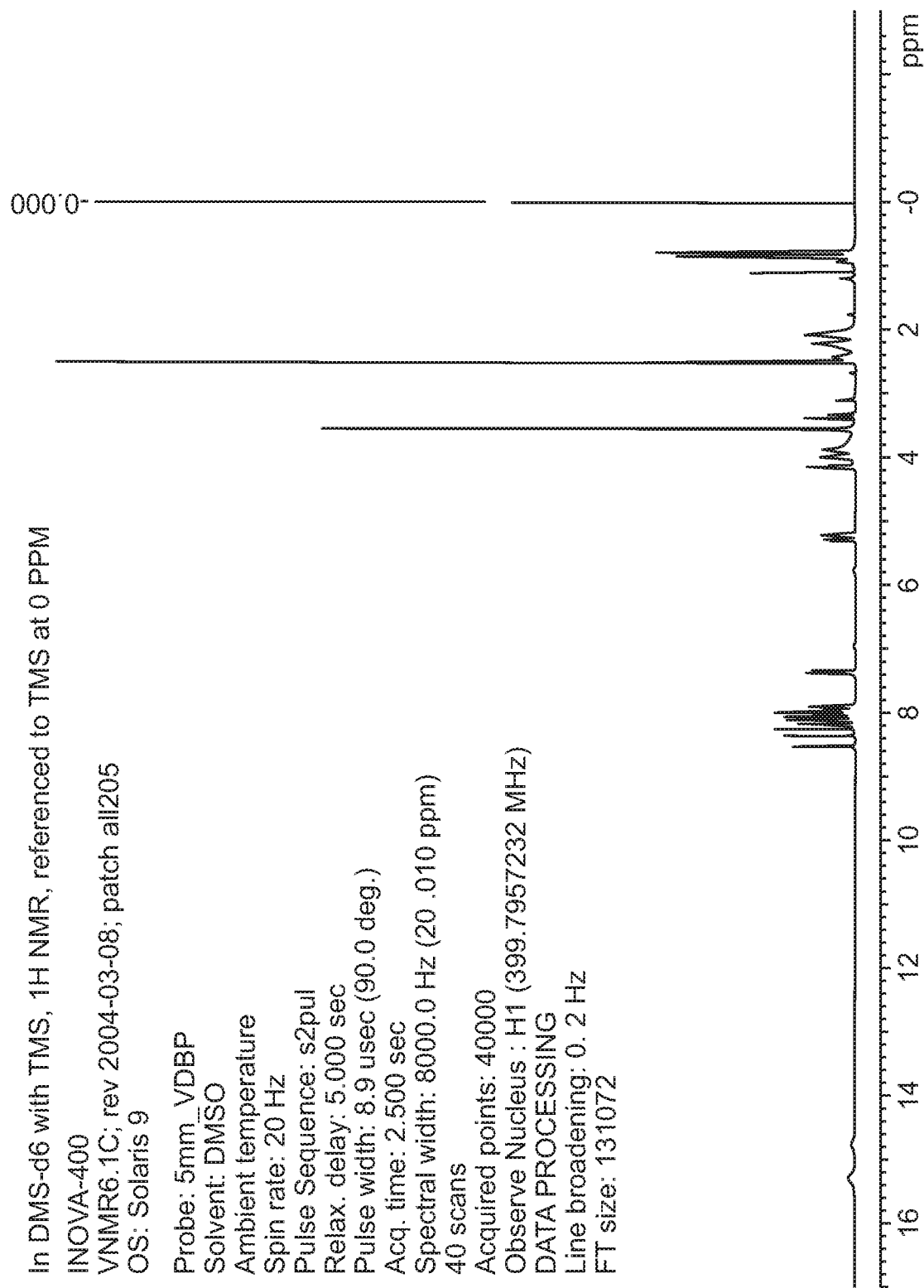


FIG. 11

Panalytical X-Pert Pro MPD PW3040 Pro
X-ray Tube: Cu(L54059 Å) Voltage: 45 kV Amperage: 40 mA Scan Range: 1.00 - 39.99 °2 θ Step Size: 0.017 °2 θ
Collection Time: 718 s Scan Speed: 3.3°/min Slit DS: 1/2° SS: null Revolution Time: 1.0 s Mode: Transmission

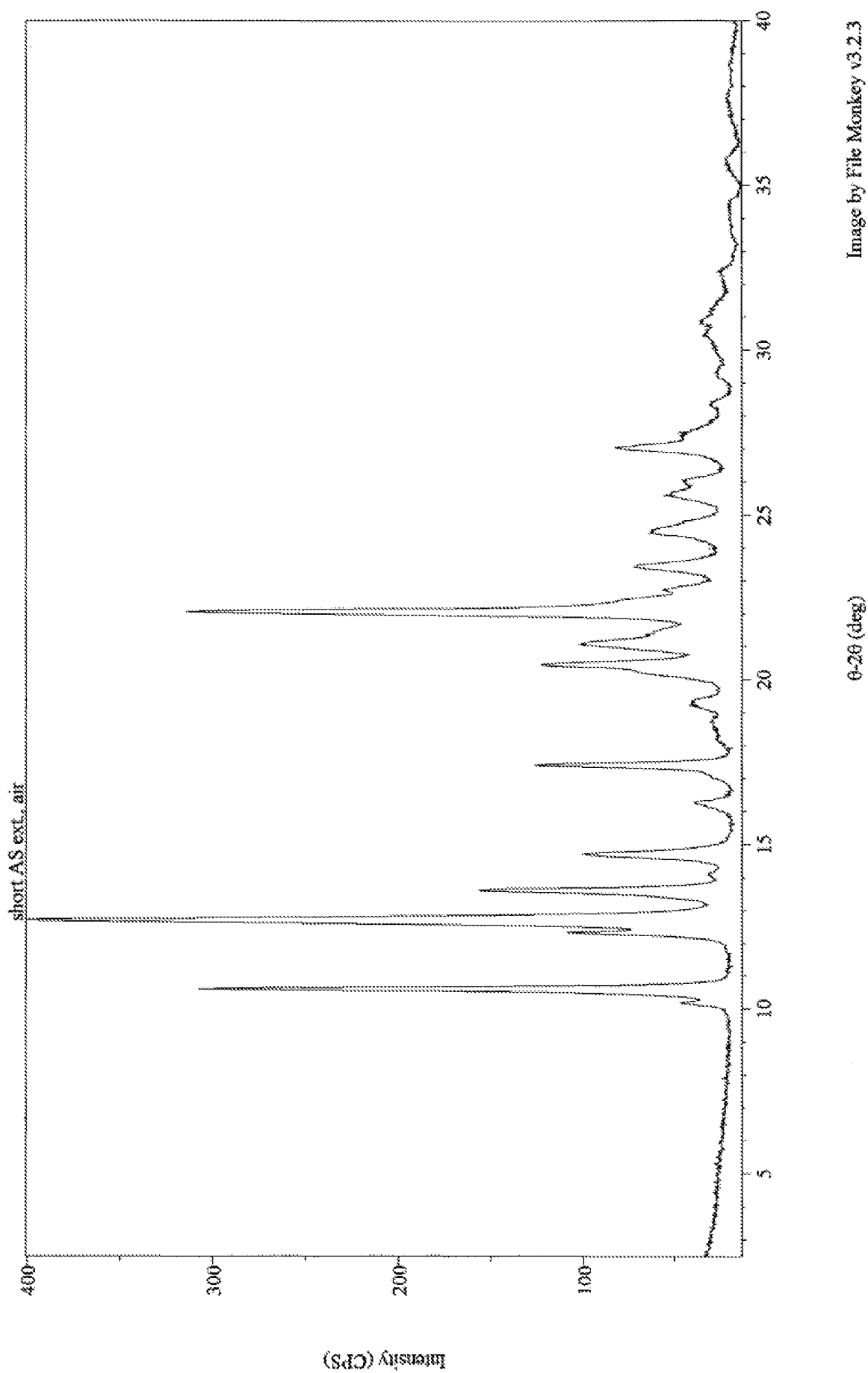


Image by File Monkey v3.2.3

FIG. 12

In DMSO-d6 w/ TMS, 1H NMR, referenced to TMS at 0 ppm

25 C

INOVA-400

VNMR6.1C; rev 2004-03-08; patch all205

OS: Solaris 9

Probe: 5mm_VDBP

Solvent: DMSO

Temp.: 25.0 C / 298.1 K

Spin rate: 20 Hz

Pulse Sequence: s2pul

Relax. delay: 5.000 sec

Pulse width: 8.8 usec (90.0 deg.)

Acq. time: 2.500 sec

Spectral width: 7196.2 Hz (18.000 ppm)

40 scans

Acquired points: 35980

Observe Nucleus : H1 (399.7961176 MHz)

DATA PROCESSING

Line broadening: 0.2 Hz

FT size: 131072

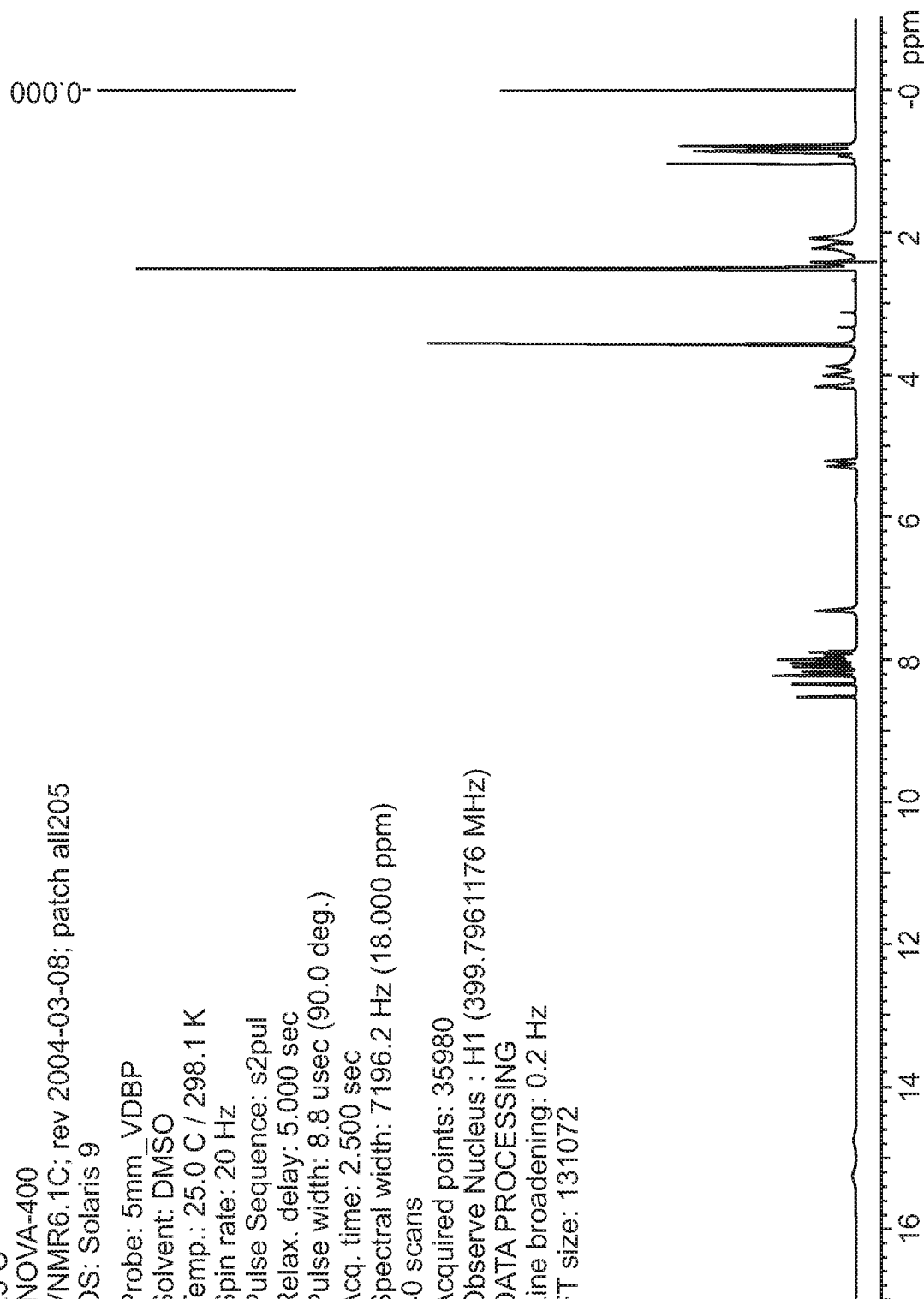


FIG. 13

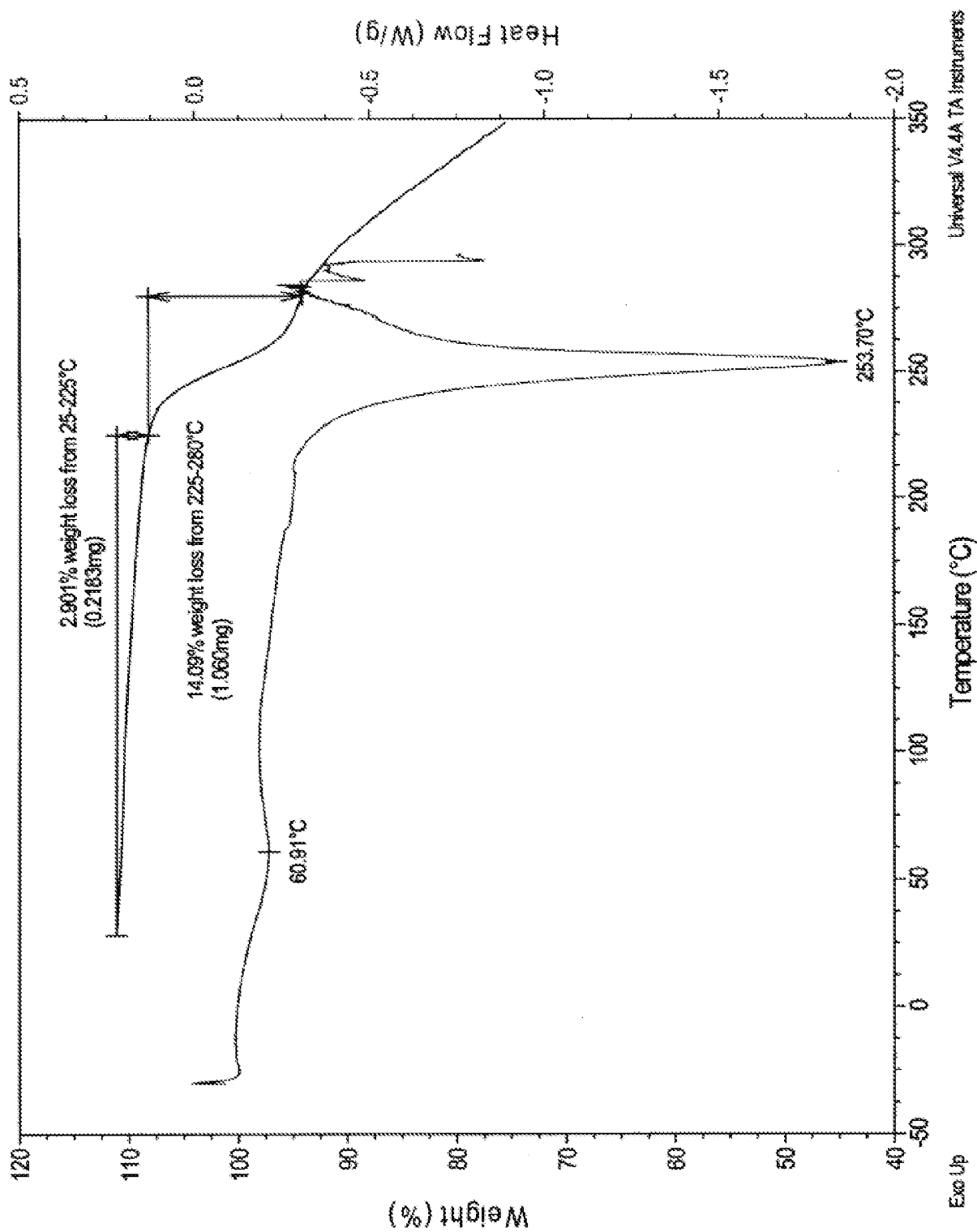


FIG. 14

Weight% vs Relative Humidity

File Name: 448014

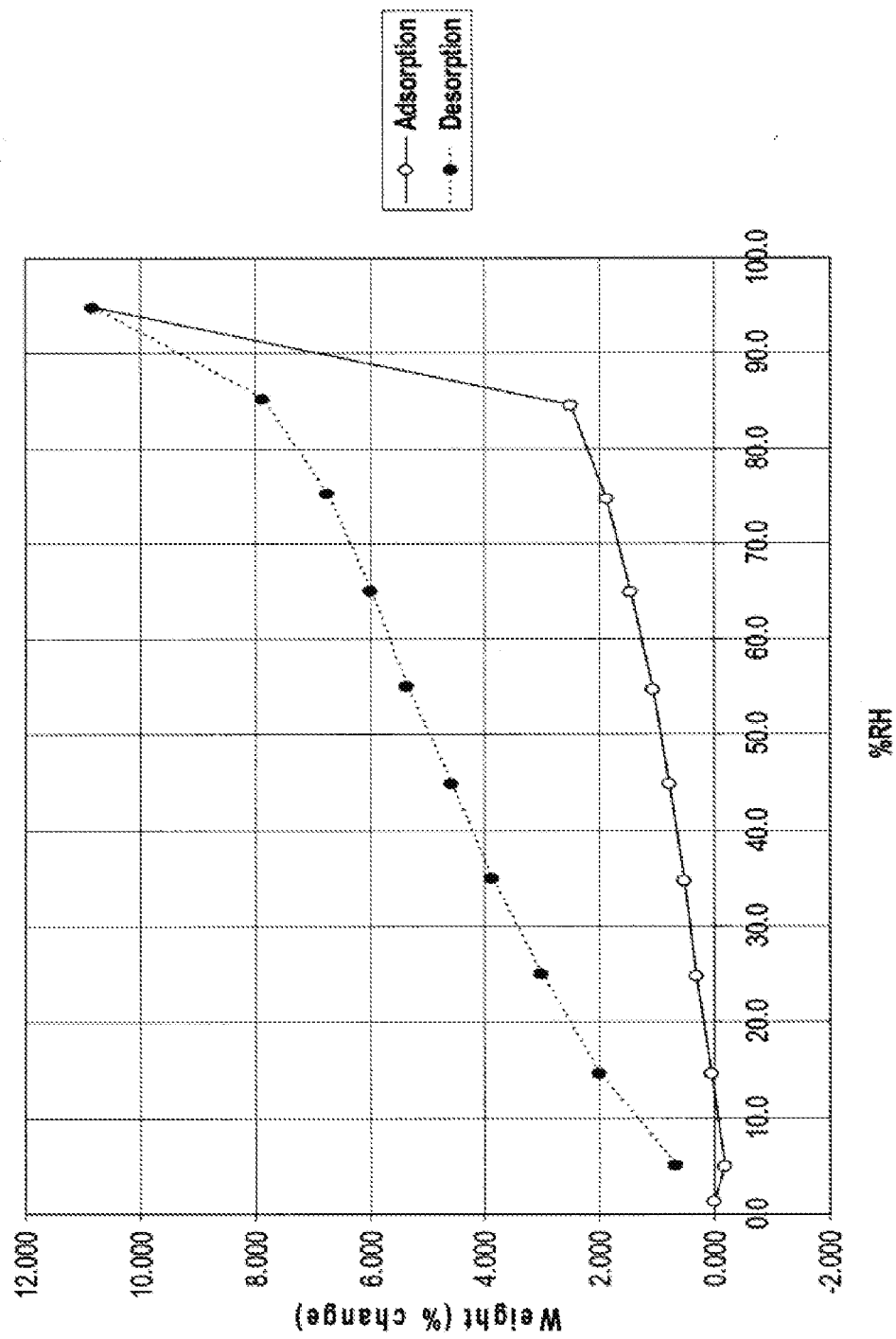


FIG. 15

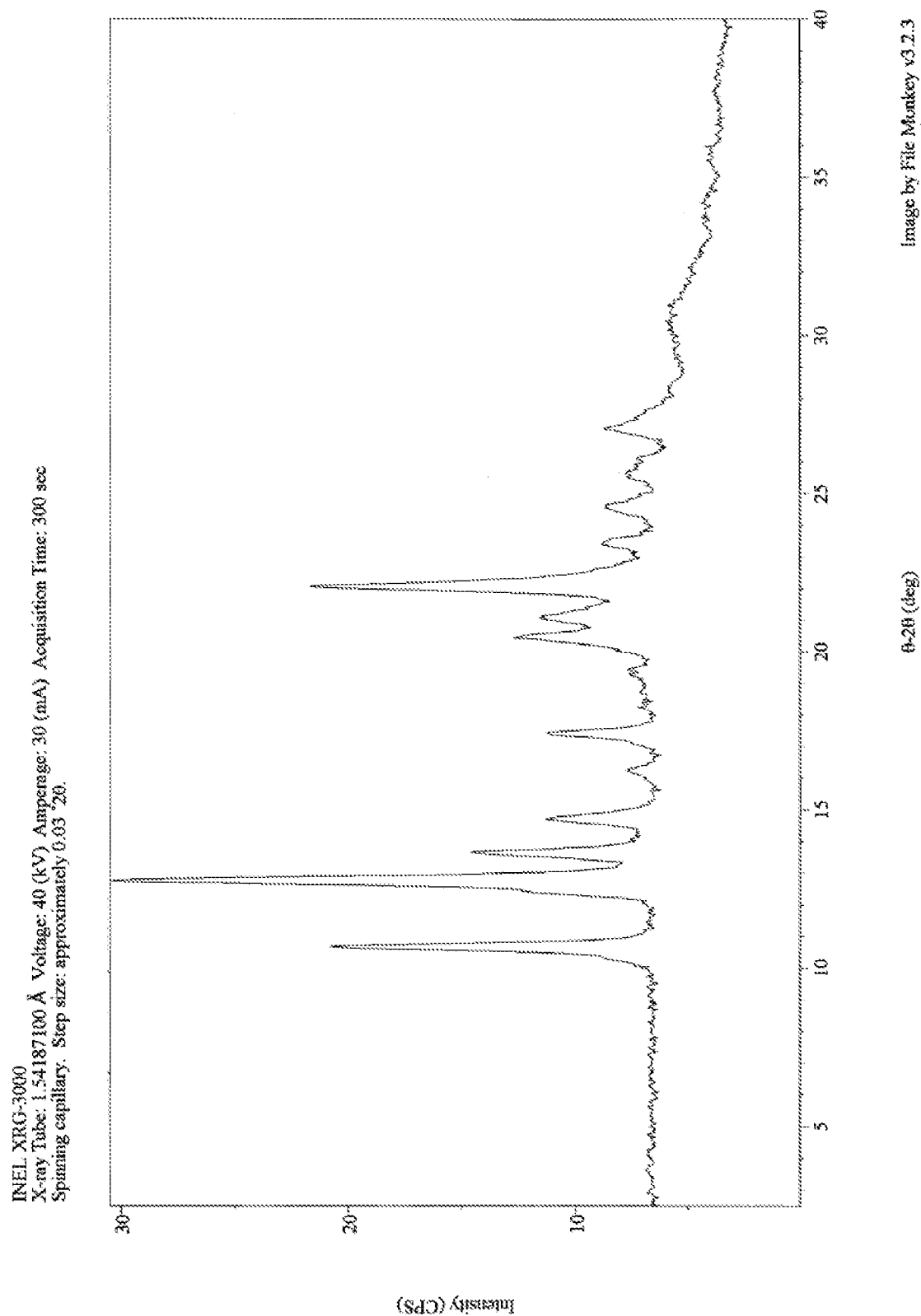


FIG. 16

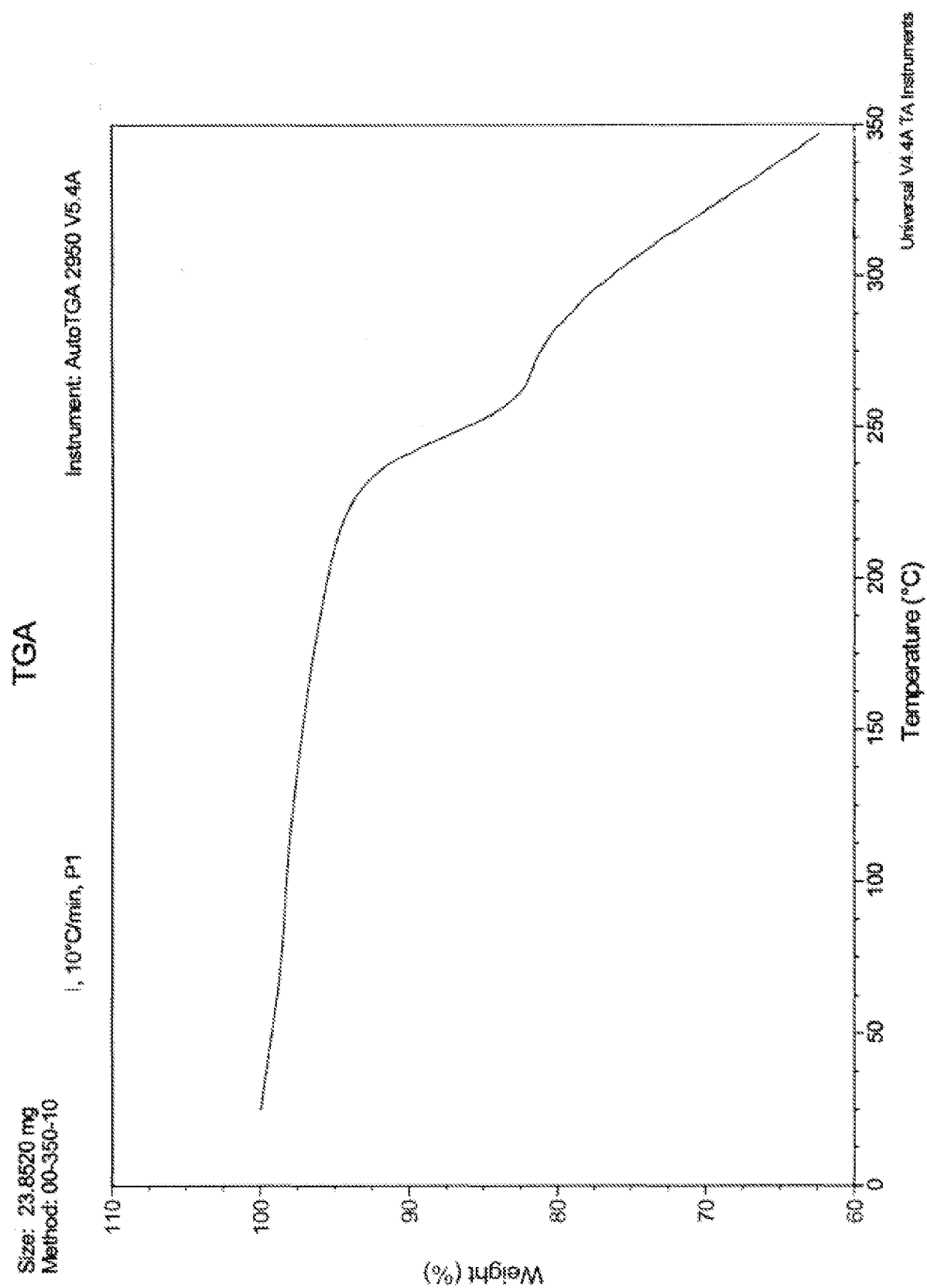


FIG. 17

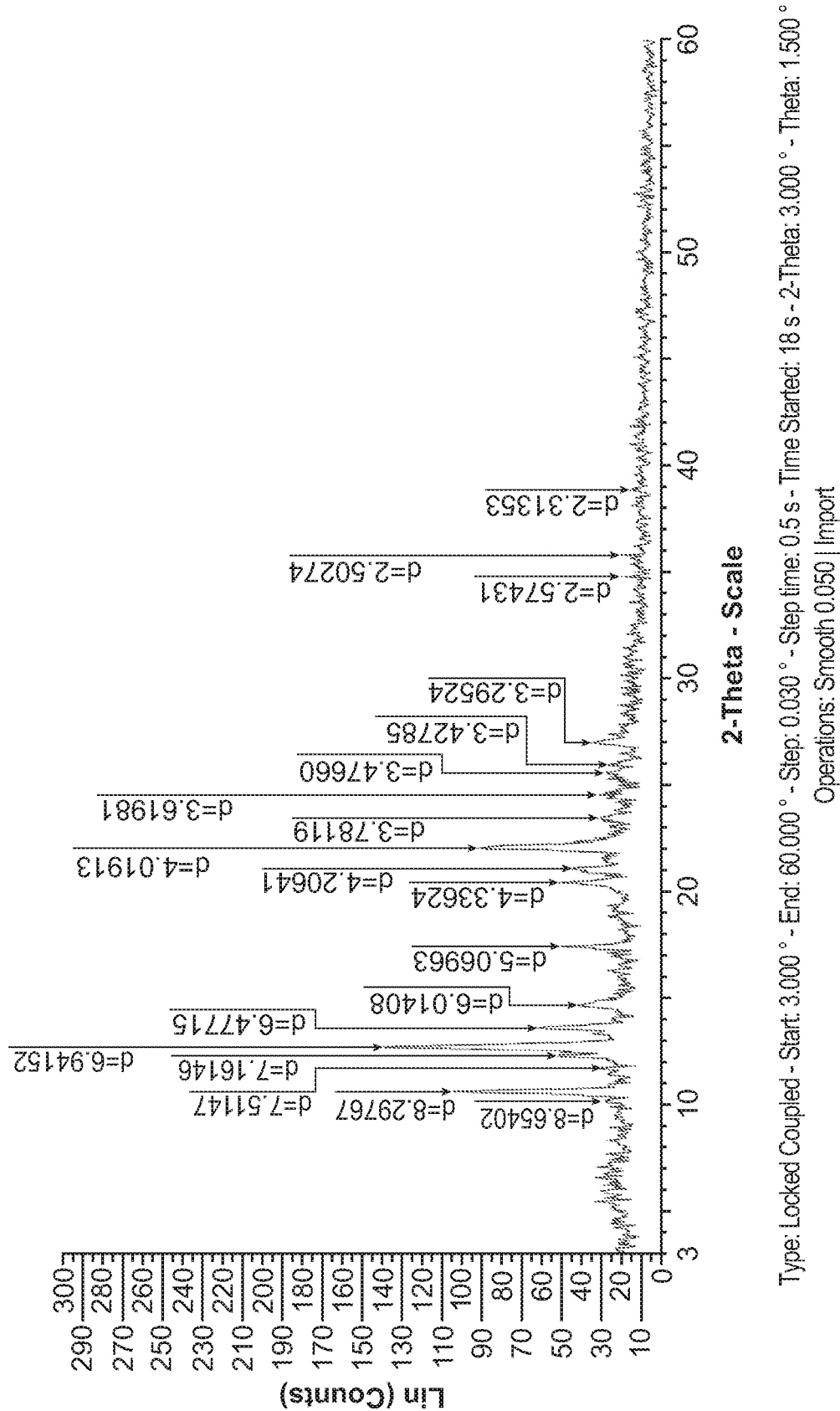


FIG. 18

Angle	d value	Intensity	Intensity %
2-Theta °	Angstrom	Count	%
10.213	8.65402	28.9	20.7
10.653	8.29767	105	75.4
11.772	7.51147	30.5	21.9
12.35	7.16146	53.4	38.3
12.742	6.94152	139	100
13.66	6.47715	63.3	45.4
14.718	6.01408	43.7	31.3
17.479	5.06963	51.7	37.1
20.465	4.33624	51.5	36.9
21.104	4.20641	44.8	32.2
22.099	4.01913	92.5	66.4
23.509	3.78119	31.5	22.6
24.573	3.61981	31	22.3
25.602	3.4766	29.3	21.1
25.973	3.42785	27.1	19.4
27.037	3.29524	35.8	25.7
34.822	2.57431	19.7	14.2
35.851	2.50274	19.7	14.2
38.896	2.31353	15.2	10.9

FIG. 19

Panalytical X-Pert Pro MPD PW3040 Pro
X-ray Tube: Cu(1.54060Å) Voltage: 45 kV Amperage: 40 mA Scan Range: 1.00 - 39.99 °2 θ Step Size: 0.017 °2 θ
Collection Time: 719 s Scan Speed: 3.3° /min Slit: DS: 1/2° SS: null Revolution Time: 1.0 s Mode: Transmission

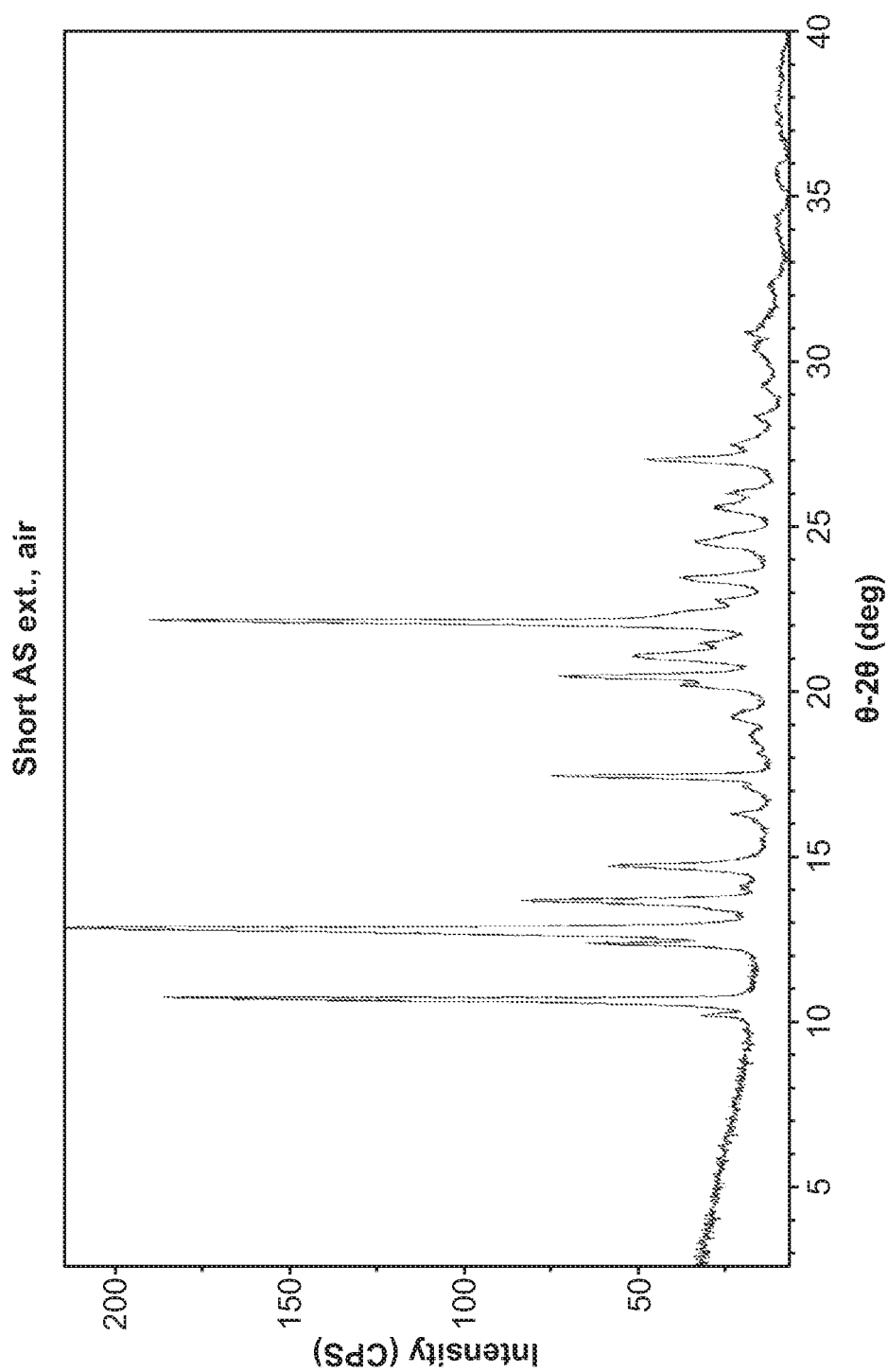


FIG. 20

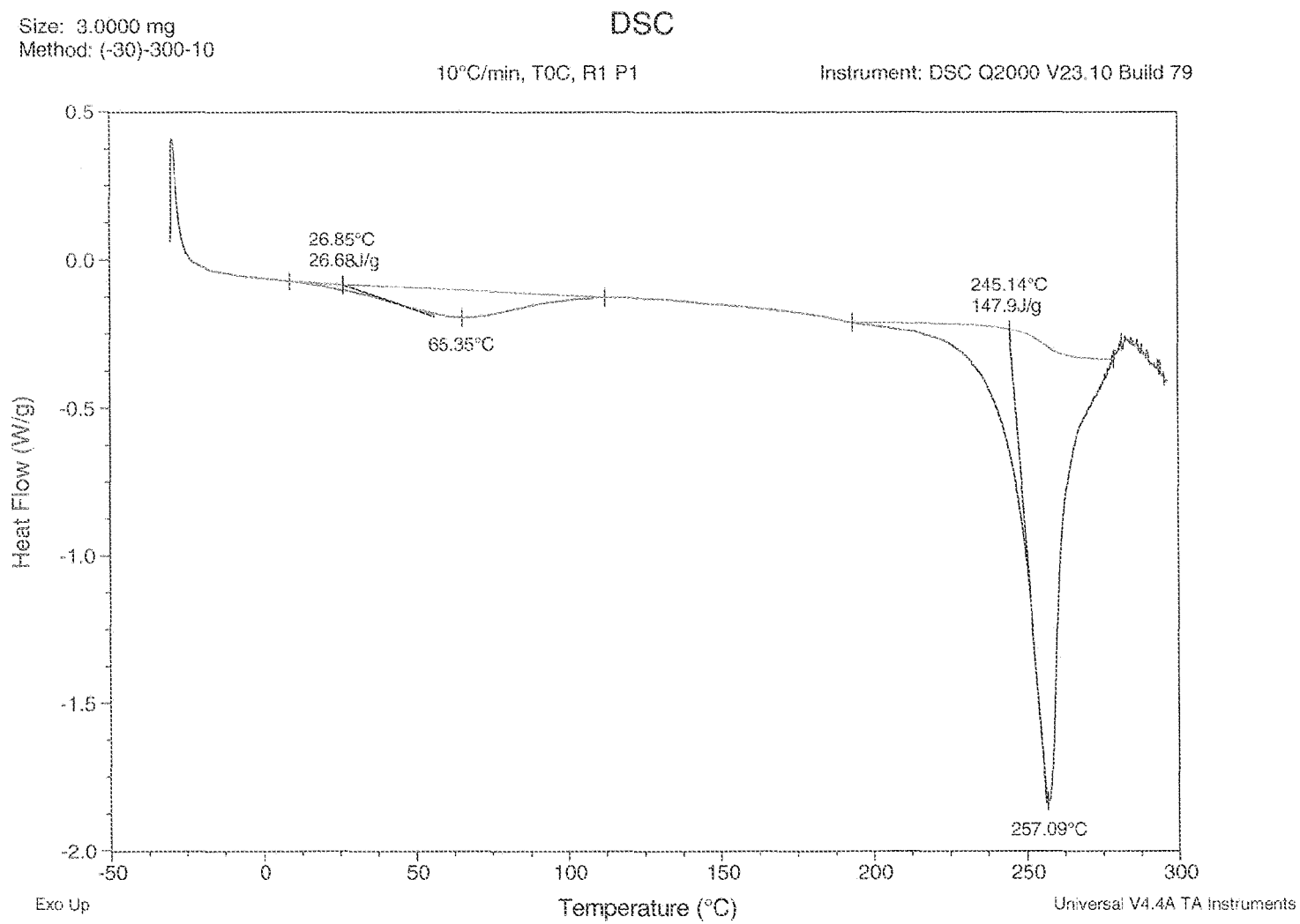


FIG. 21

i Panalytical X-Pert Pro MPD PW3040 Pro
X-ray Tube: Cu(1.54059 Å) Voltage: 45 kV Amperage: 40 mA Scan Range: 3.51 - 39.99 °2θ Step Size: 0.017 °2θ
Collection Time: 1826 s Scan Speed: 1.2°/min Slit: DS: 1/8° SS: 1/4° Revolution Time: 0.0 min Mode: Reflection

ii Panalytical X-Pert Pro MPD PW3040 Pro
X-ray Tube: Cu(1.54059 Å) Voltage: 45 kV Amperage: 40 mA Scan Range: 3.51 - 39.99 °2θ Step Size: 0.017 °2θ
Collection Time: 1824 s Scan Speed: 1.2°/min Slit: DS: 1/8° SS: 1/4° Revolution Time: 0.0 min Mode: Reflection

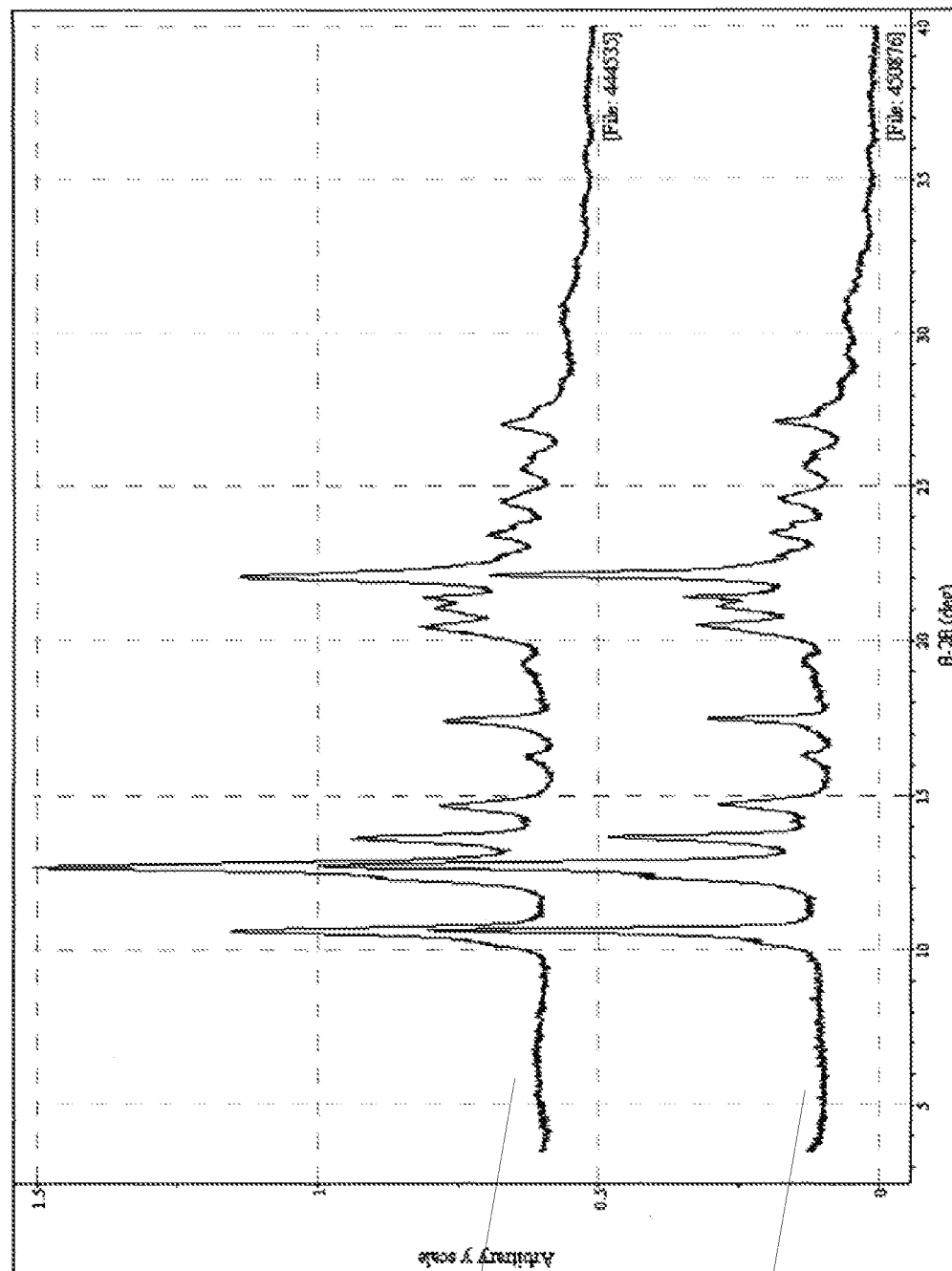


FIG. 22

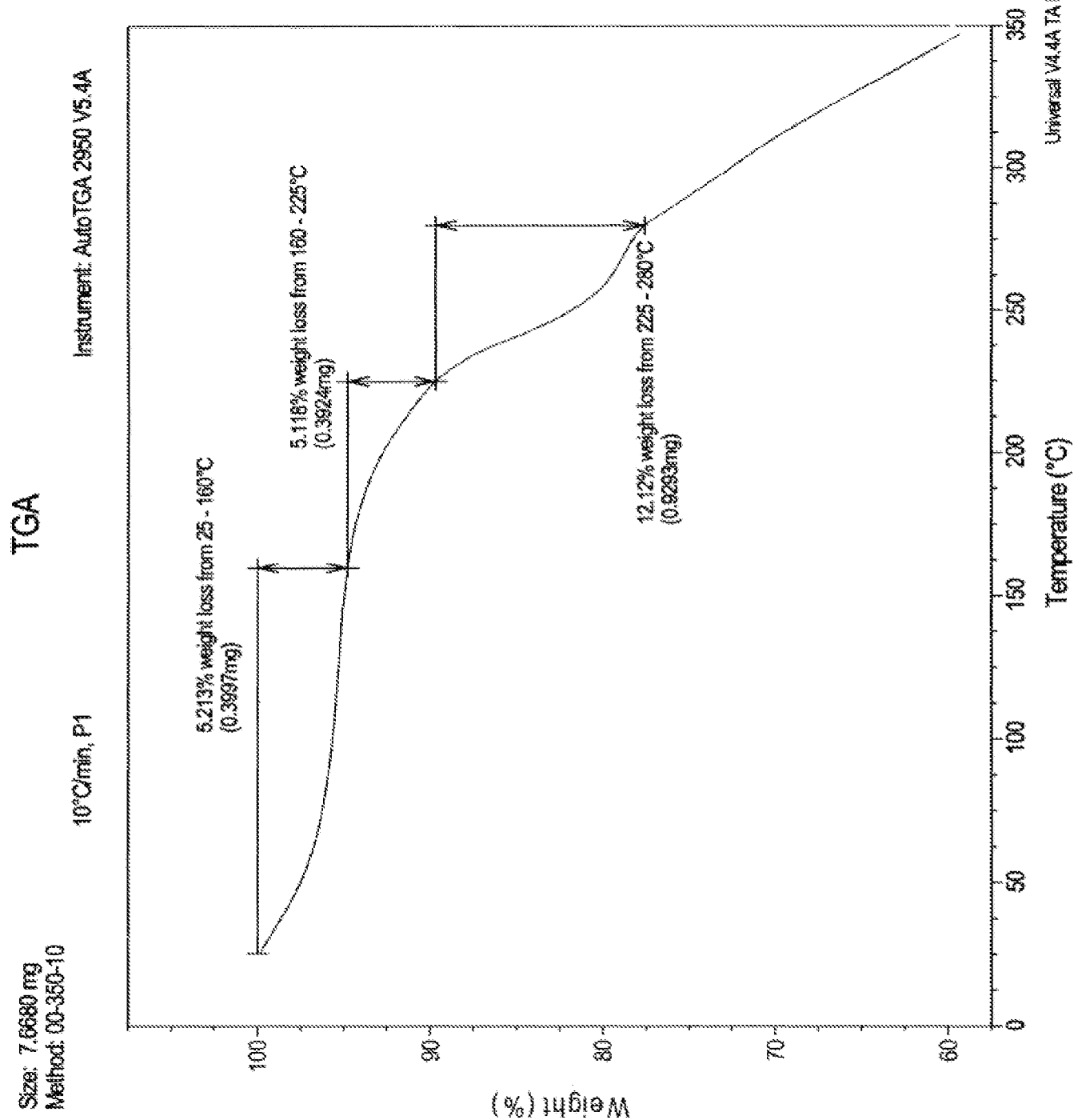


FIG. 23

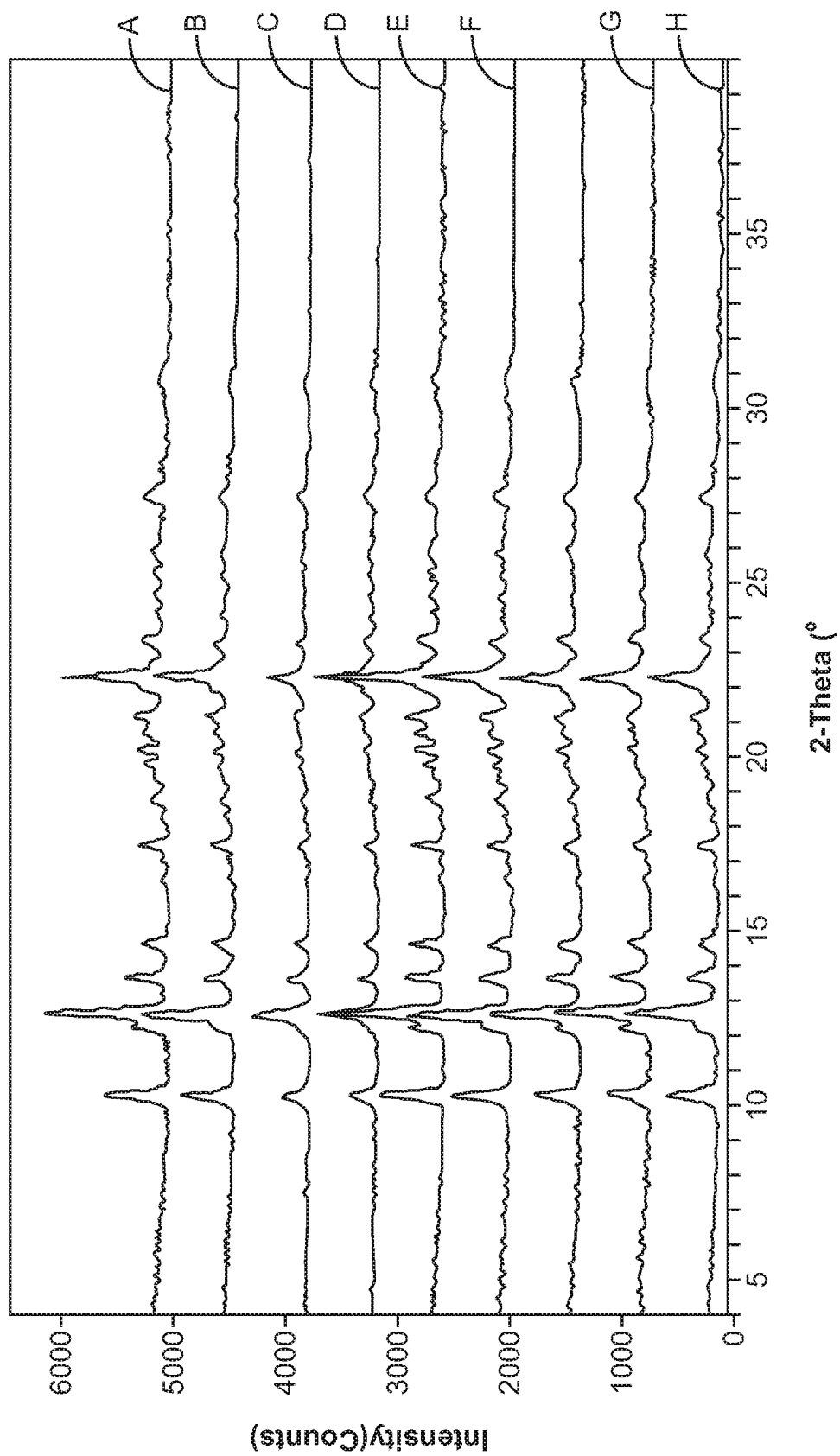
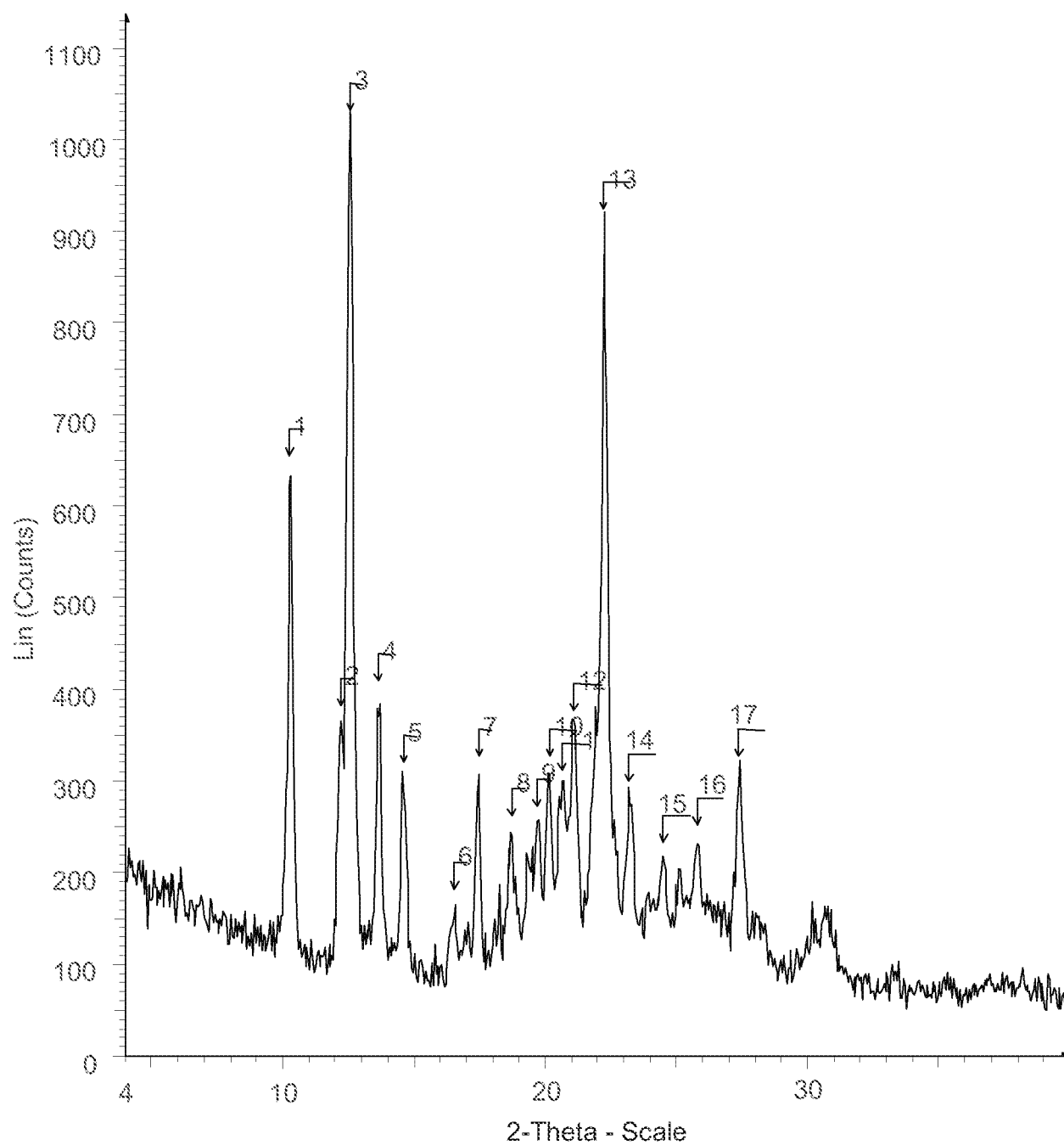


FIG. 24



Type: 2Th/Th locked - Start: 4.000 ° - End: 39.983 ° - Step

FIG. 25

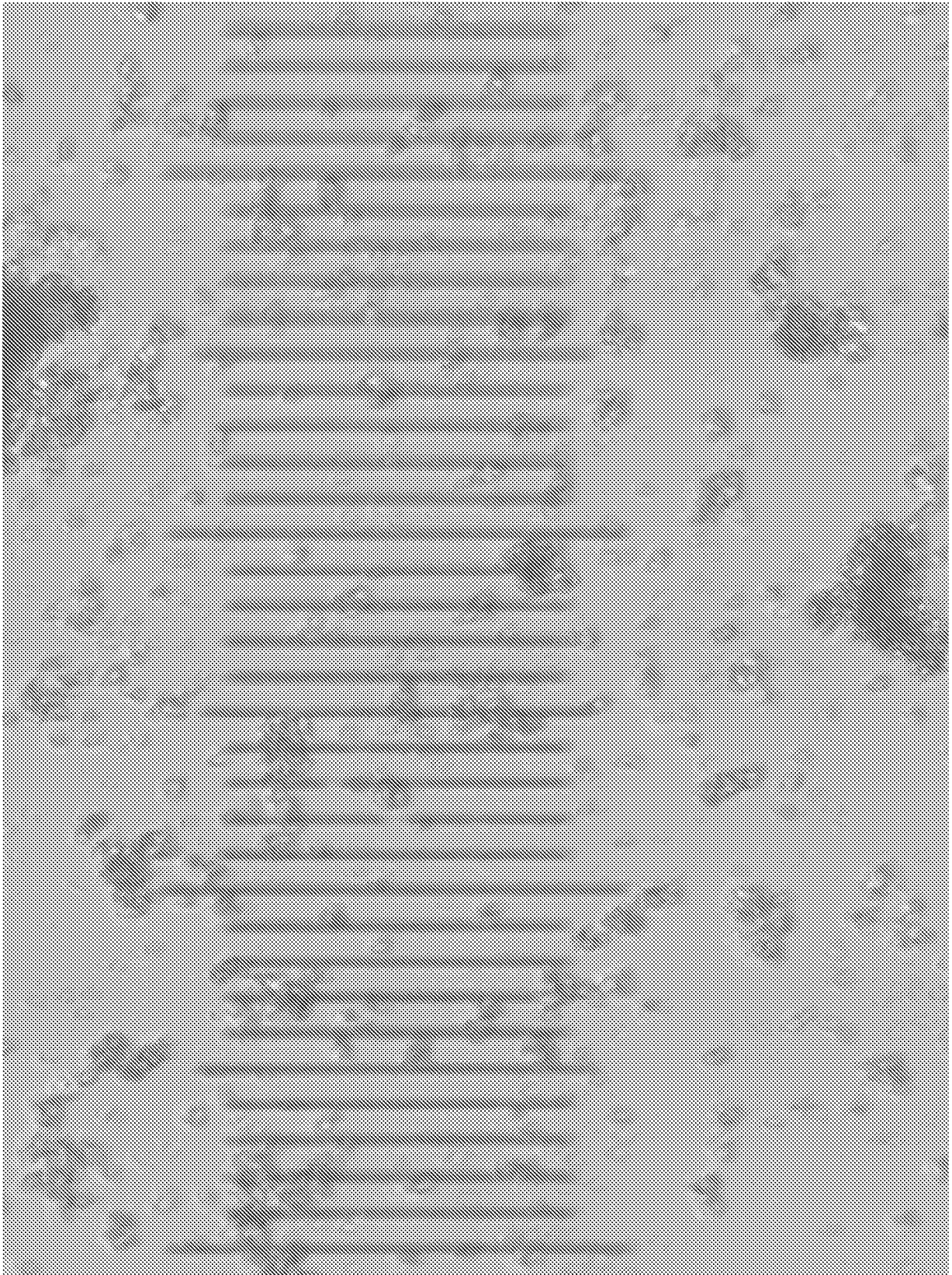


FIG. 26

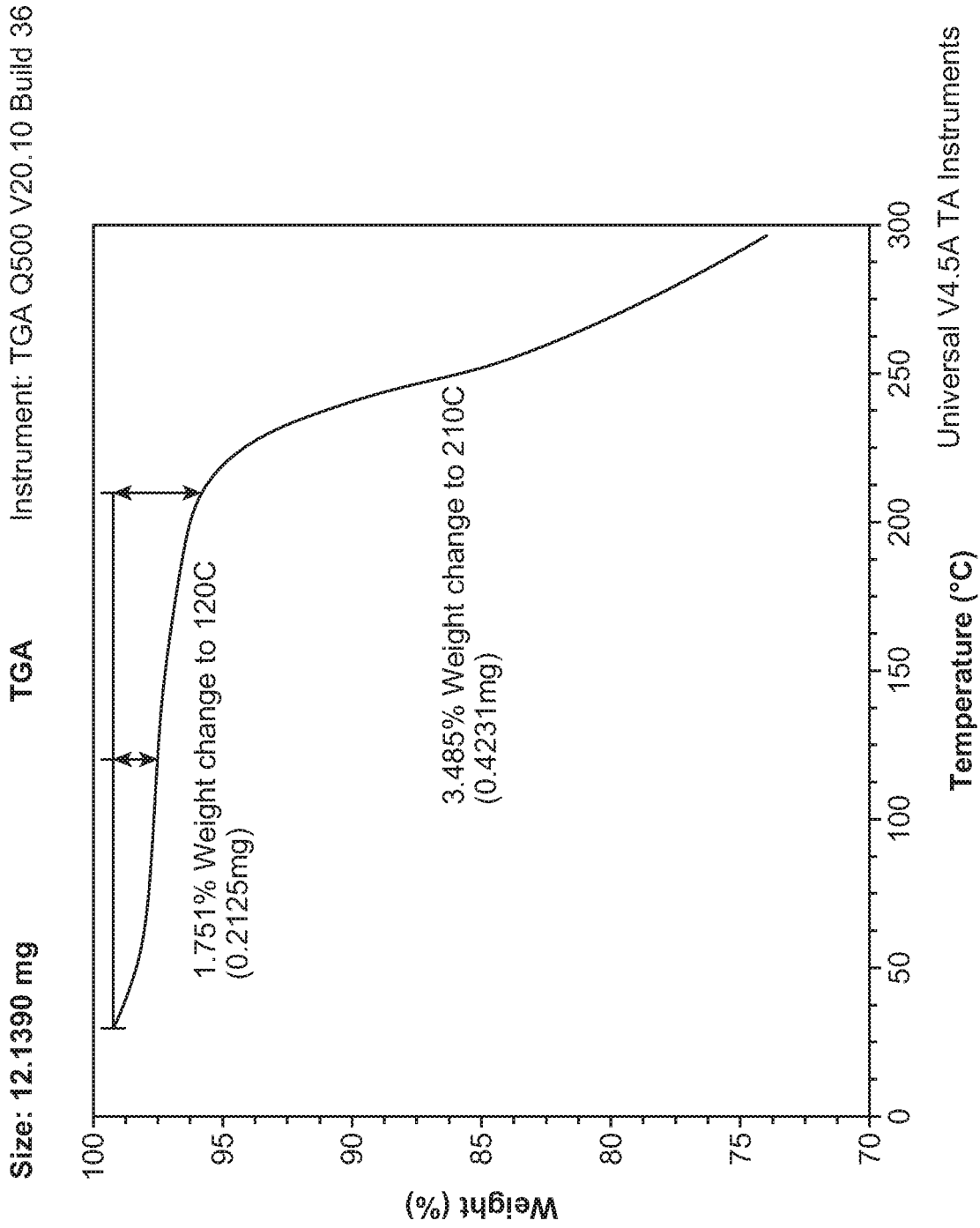


FIG. 27

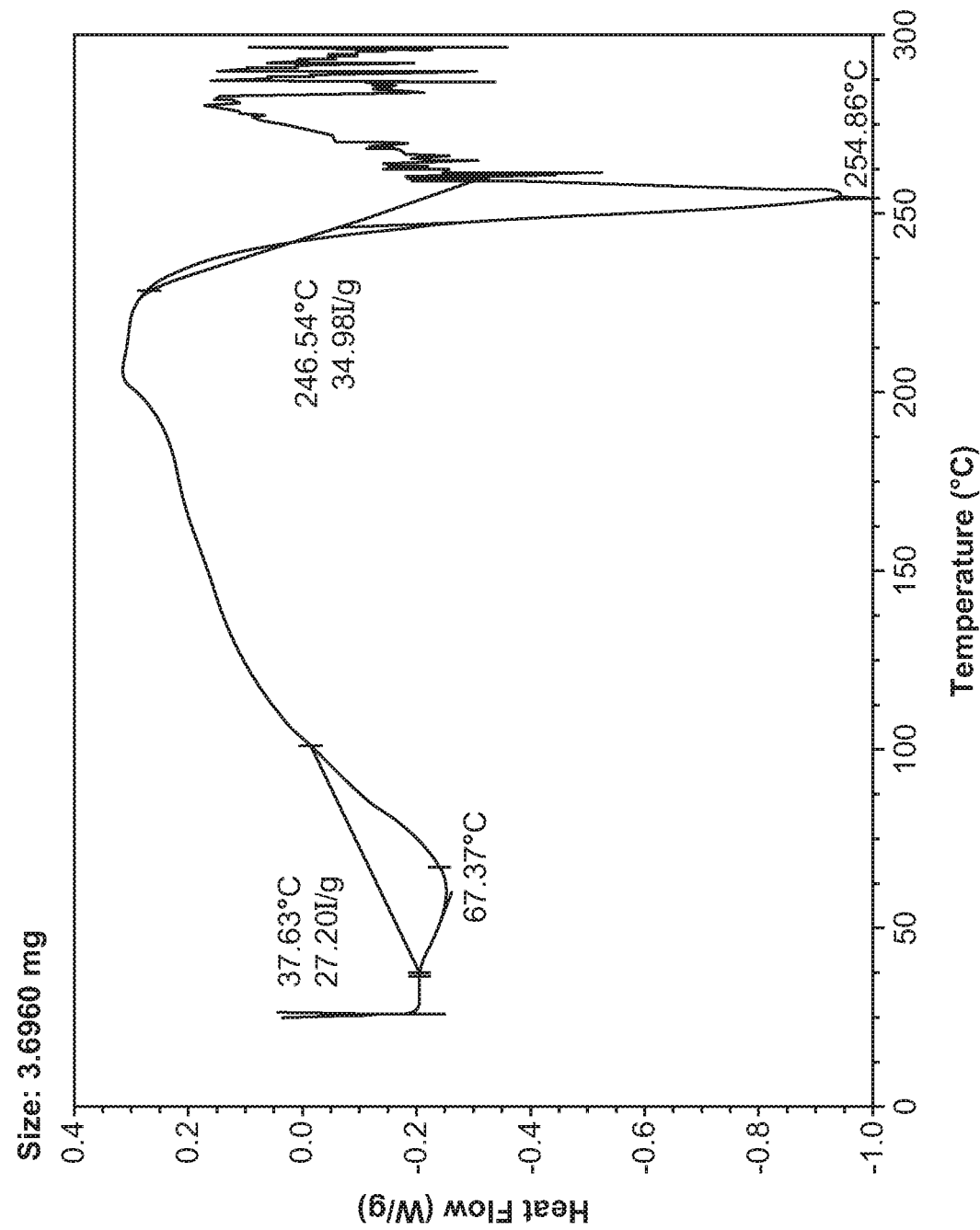


FIG. 28

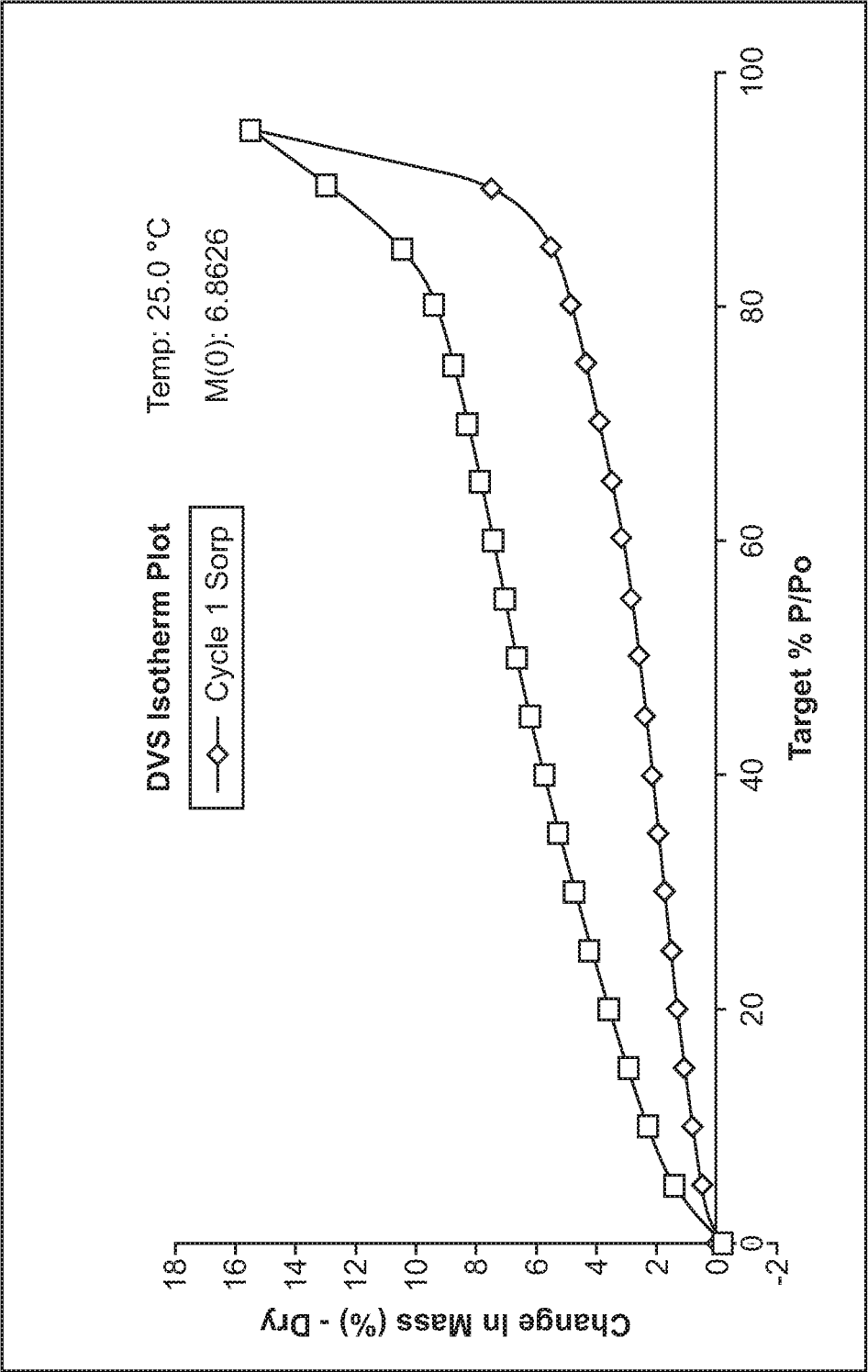


FIG. 29

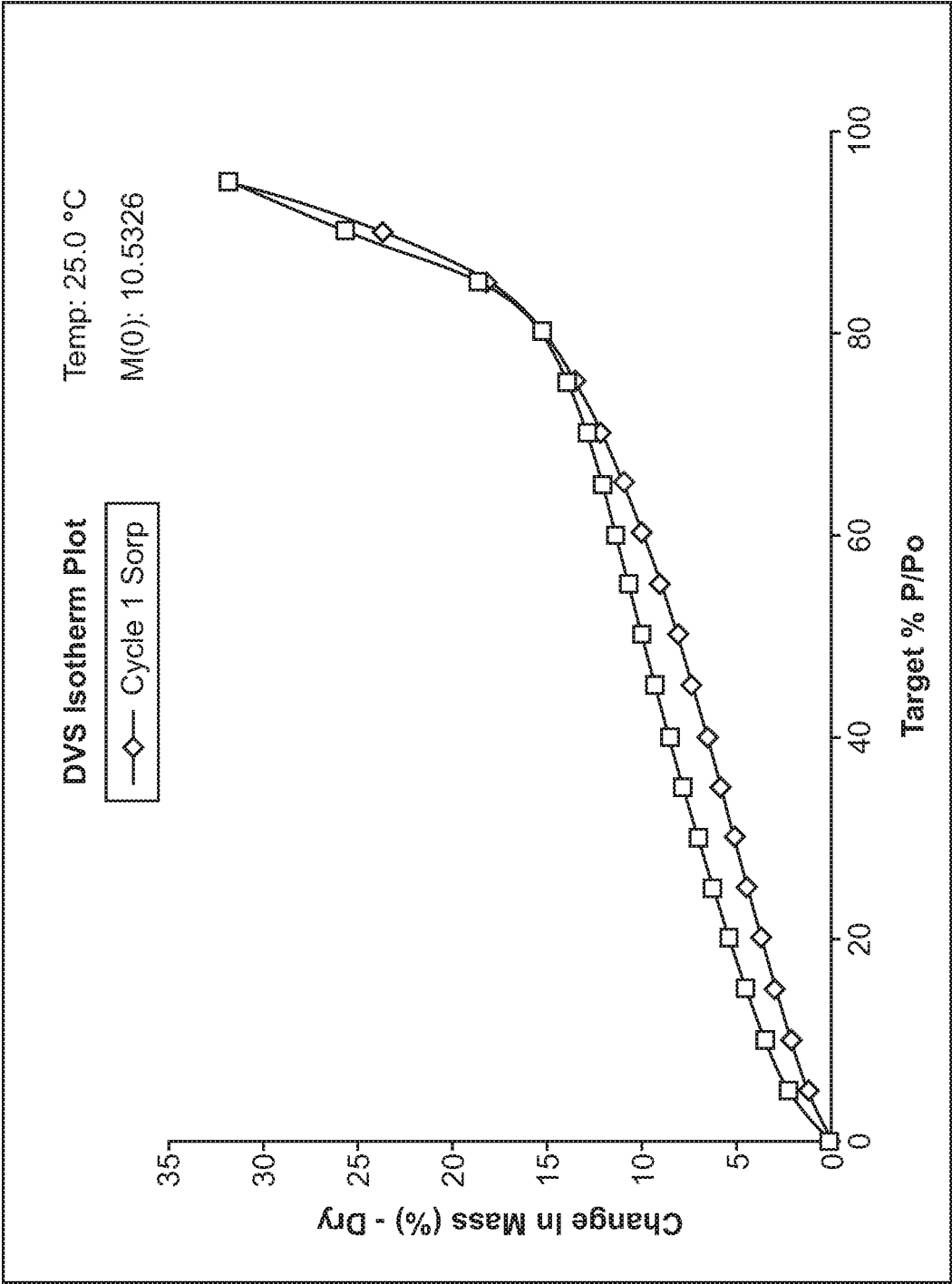
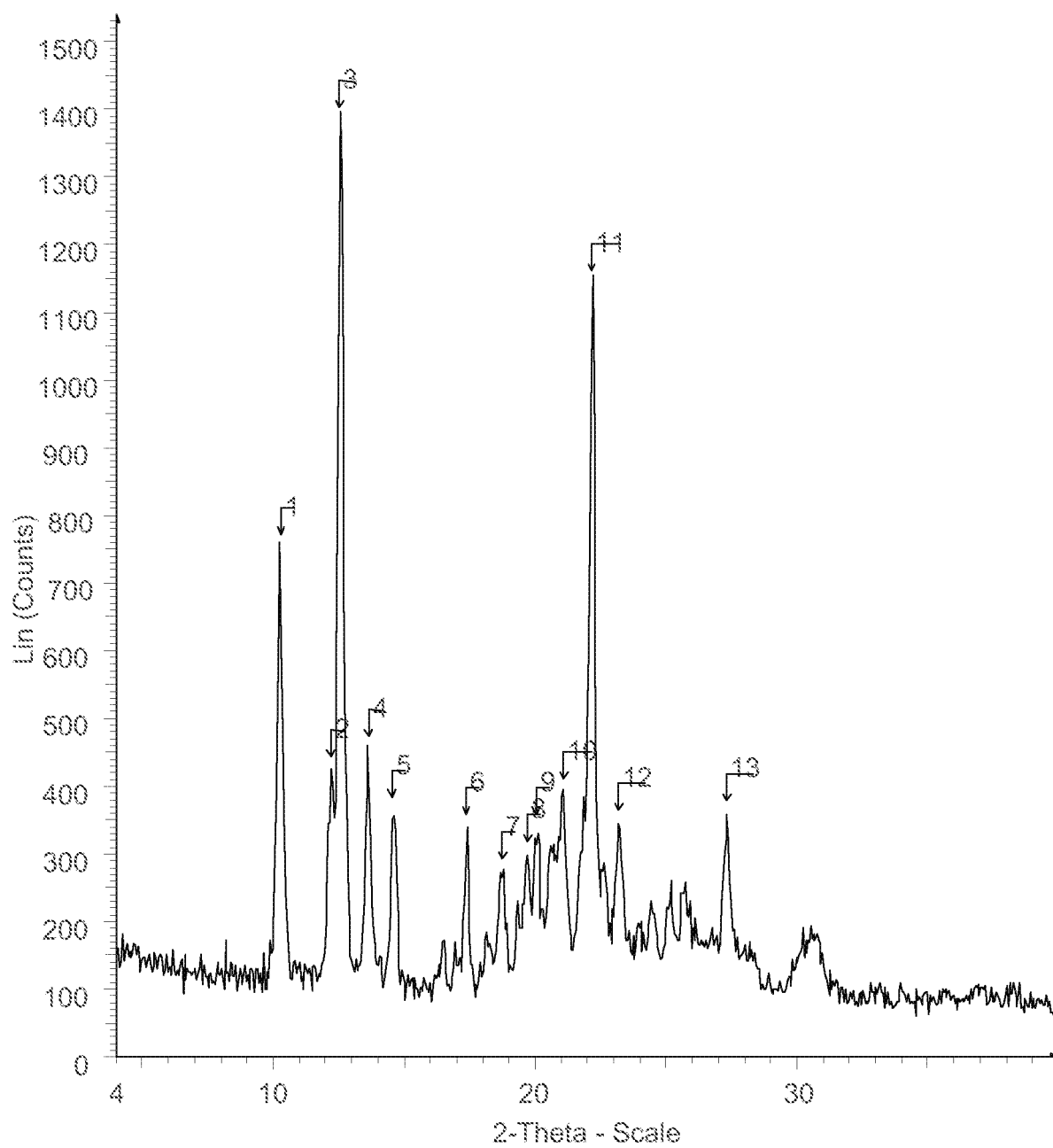


FIG. 30



Type: 2Th/Th locked - Start: 4.000 ° - End: 39.983 ° - Ste

FIG. 31

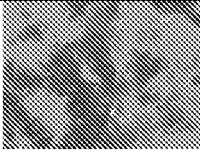
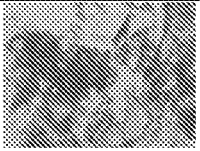
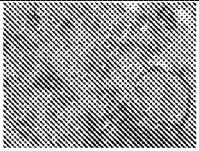
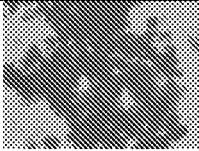
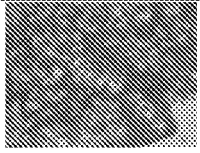
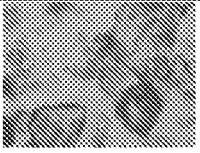
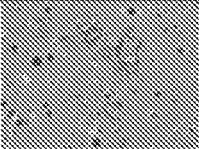
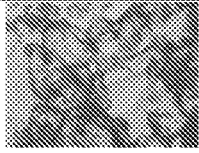
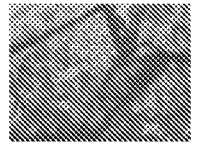
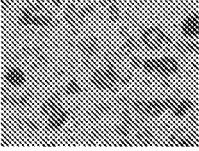
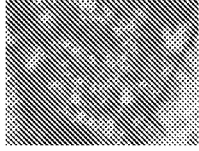
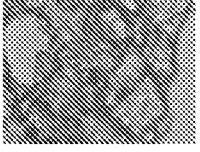
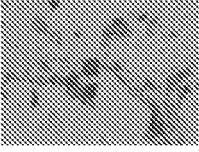
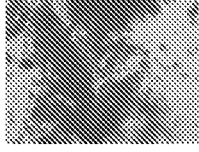
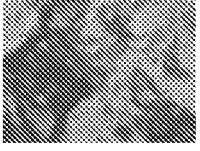
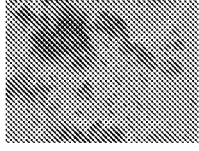
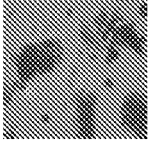
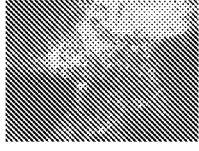
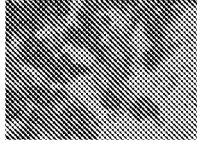
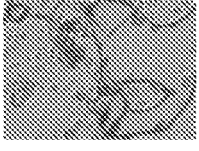
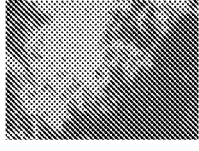
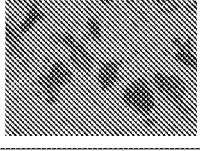
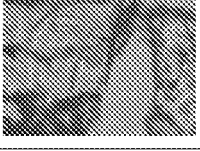
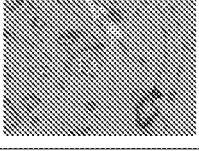
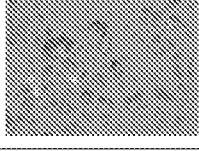
		Etanol: heptane 1.0.5	EtOAc: MTBE 1.0.5	ACN: water 1.0.5	Acetone: Toluene 1.16
1	HCl				
2	di-HCl				
3	phosphate				
4	HBr				
5	di-HBr				
6	sulfonic acid				
7	phenyl-sulfonic acid				
8	mesylate acid				

FIG. 32