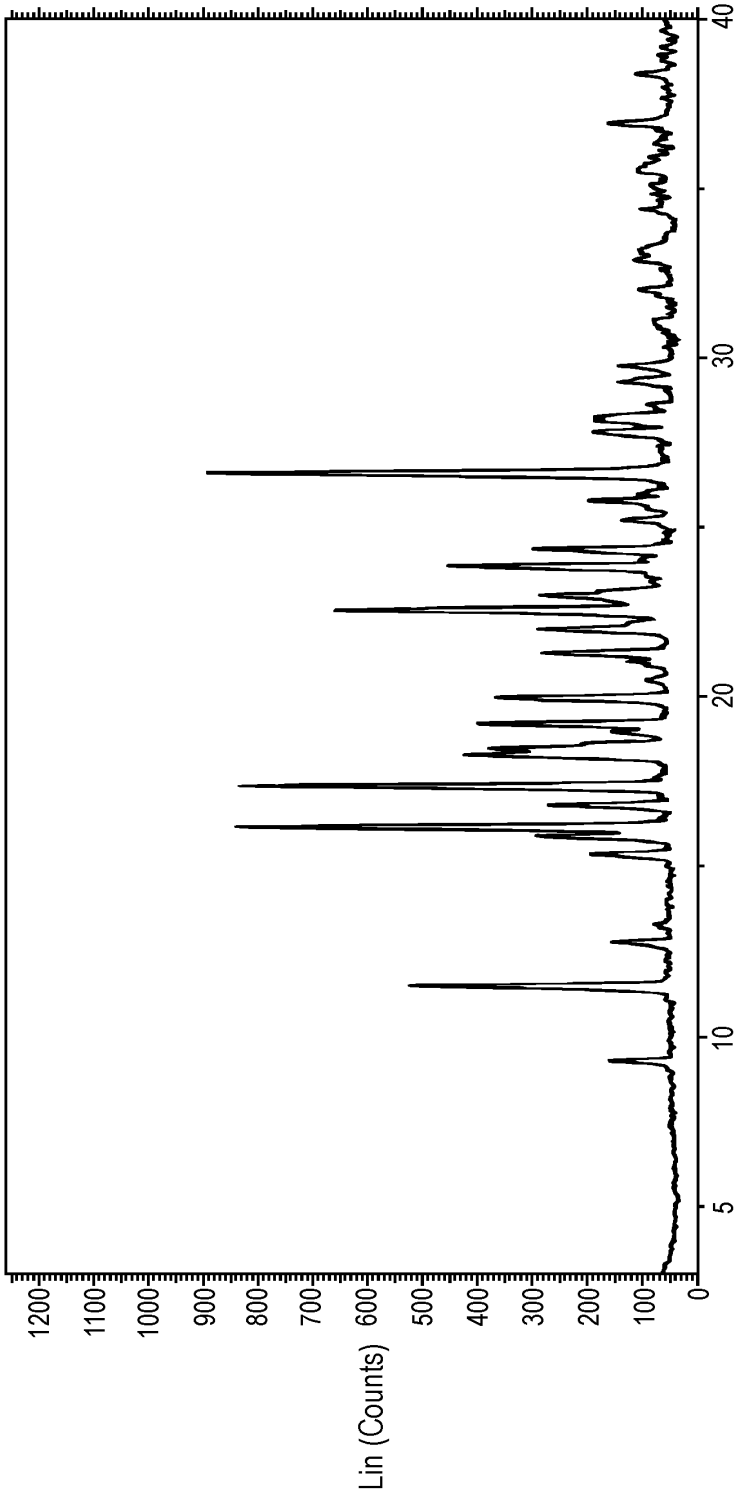

Lin (Counts)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
5
10
20
30
40

FIG. 1

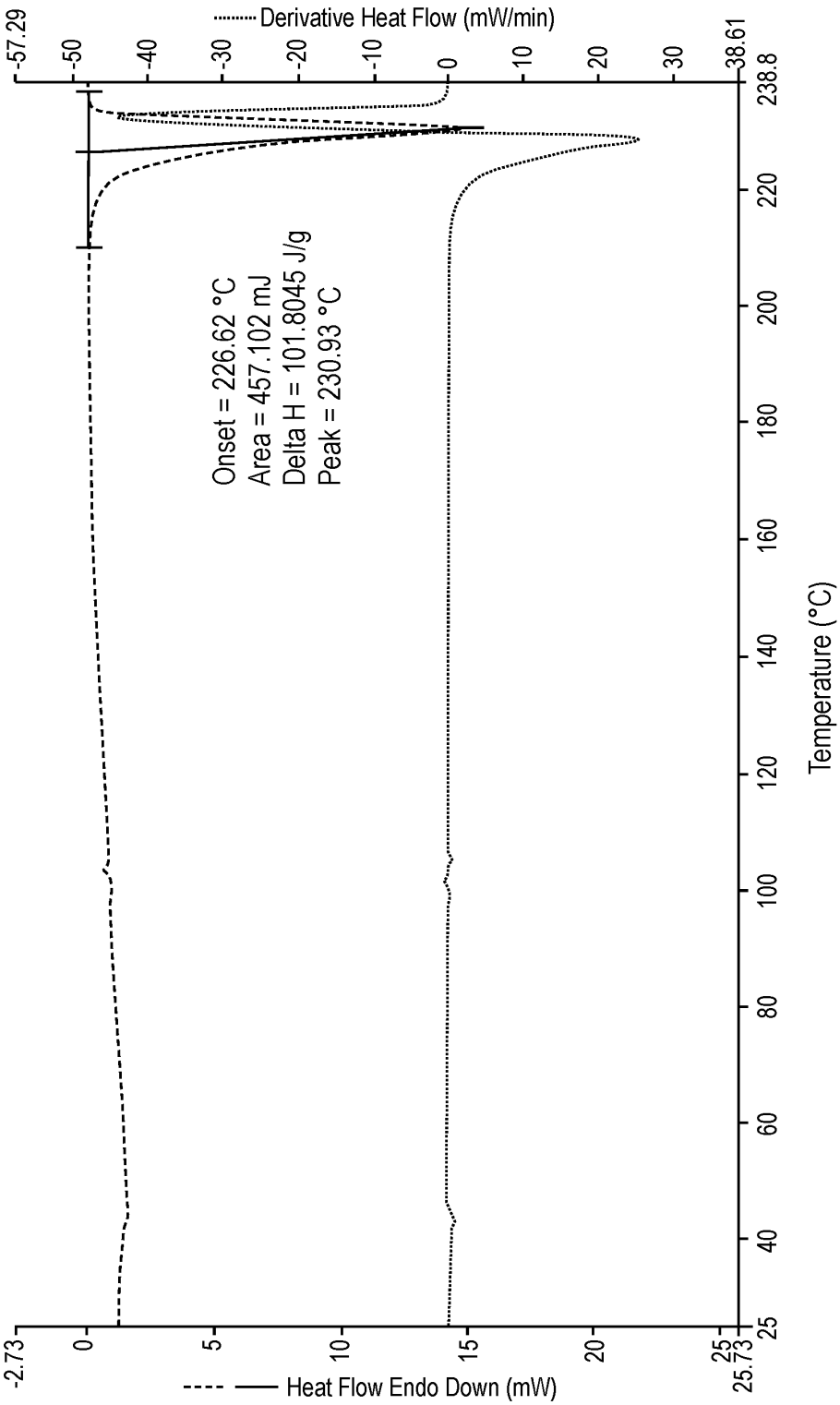

Derivative Heat Flow (mW/min)
-57.29
-50
-40
-30
-20
-10
0
10
20
30
38.61
238.8
220
200
180
160
140
120
100
80
60
40
25
Onset = 226.62 °C
Area = 457.102 mJ
Delta H = 101.8045 J/g
Peak = 230.93 °C
Temperature (°C)
-2.73
0
5
10
15
20
25
25.73
Heat Flow Endo Down (mW)

FIG. 2

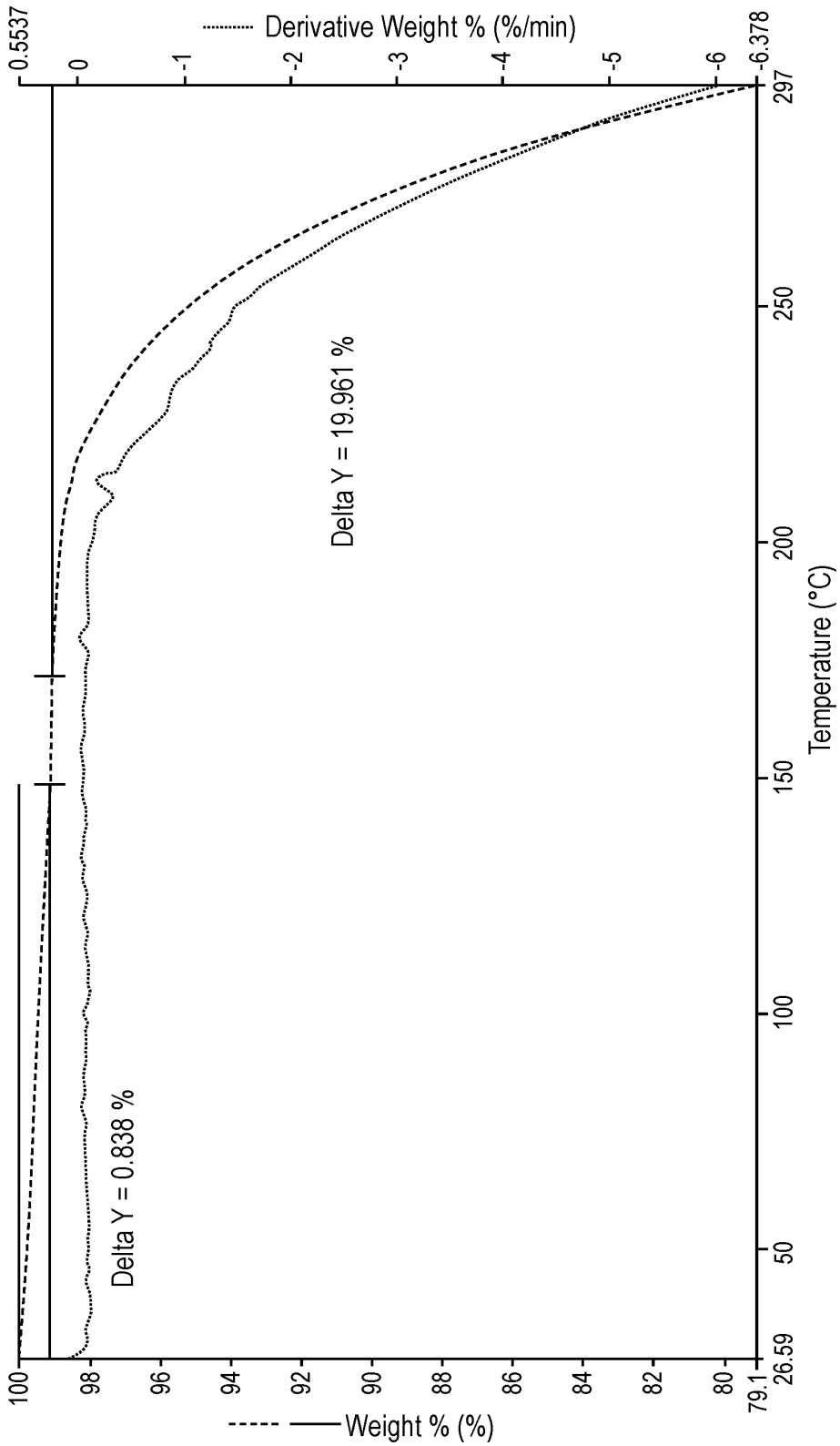

Derivative Weight % (%/min)
0.5537
0
-1
-2
-3
-4
-5
-6
-6.378
297
250
200
150
100
50
26.59
Temperature (°C)
Delta Y = 19.961 %
Delta Y = 0.838 %
100
98
96
94
92
90
88
86
84
82
80
79.1
Weight % (%)

FIG. 3

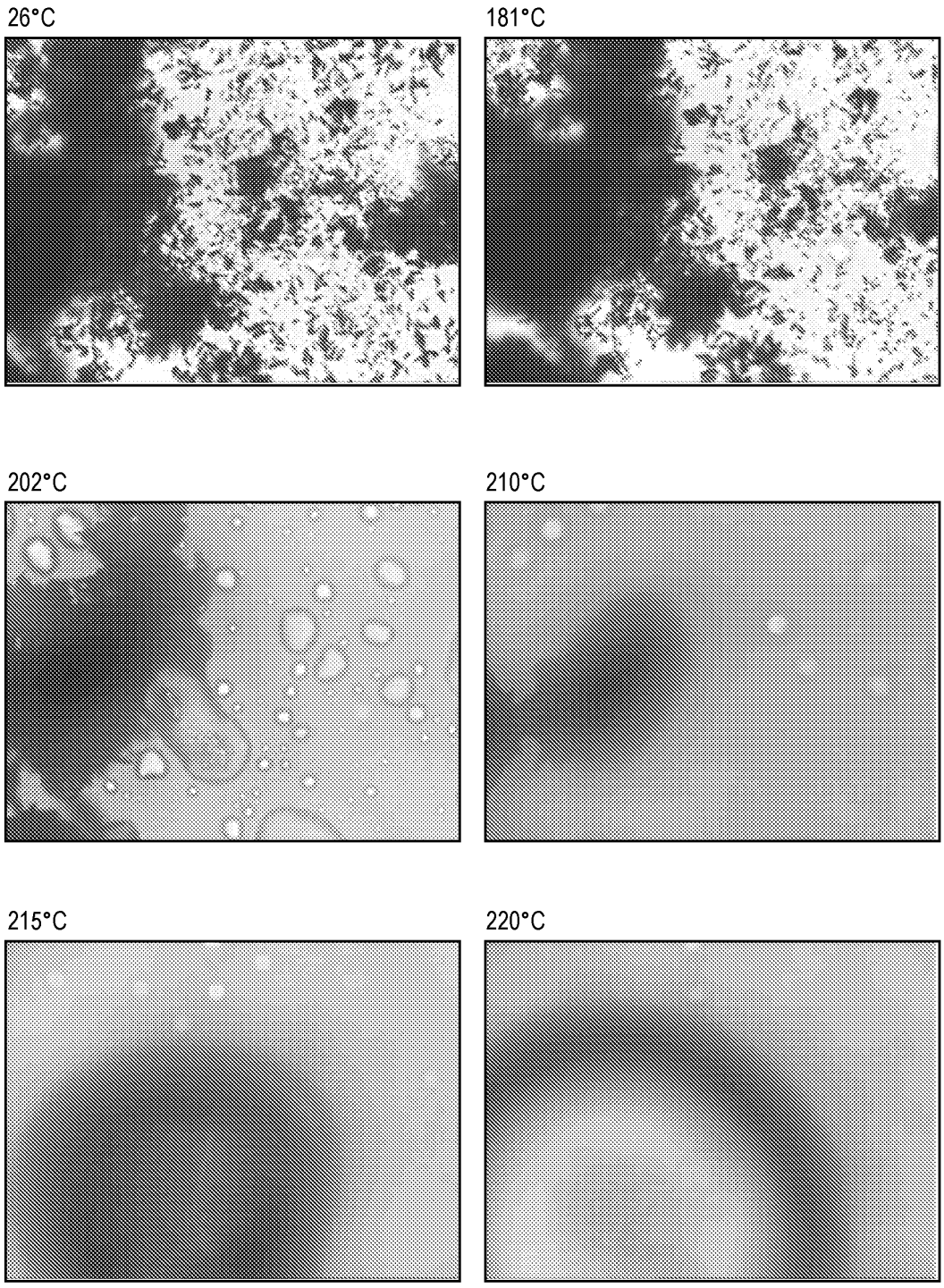


FIG. 4

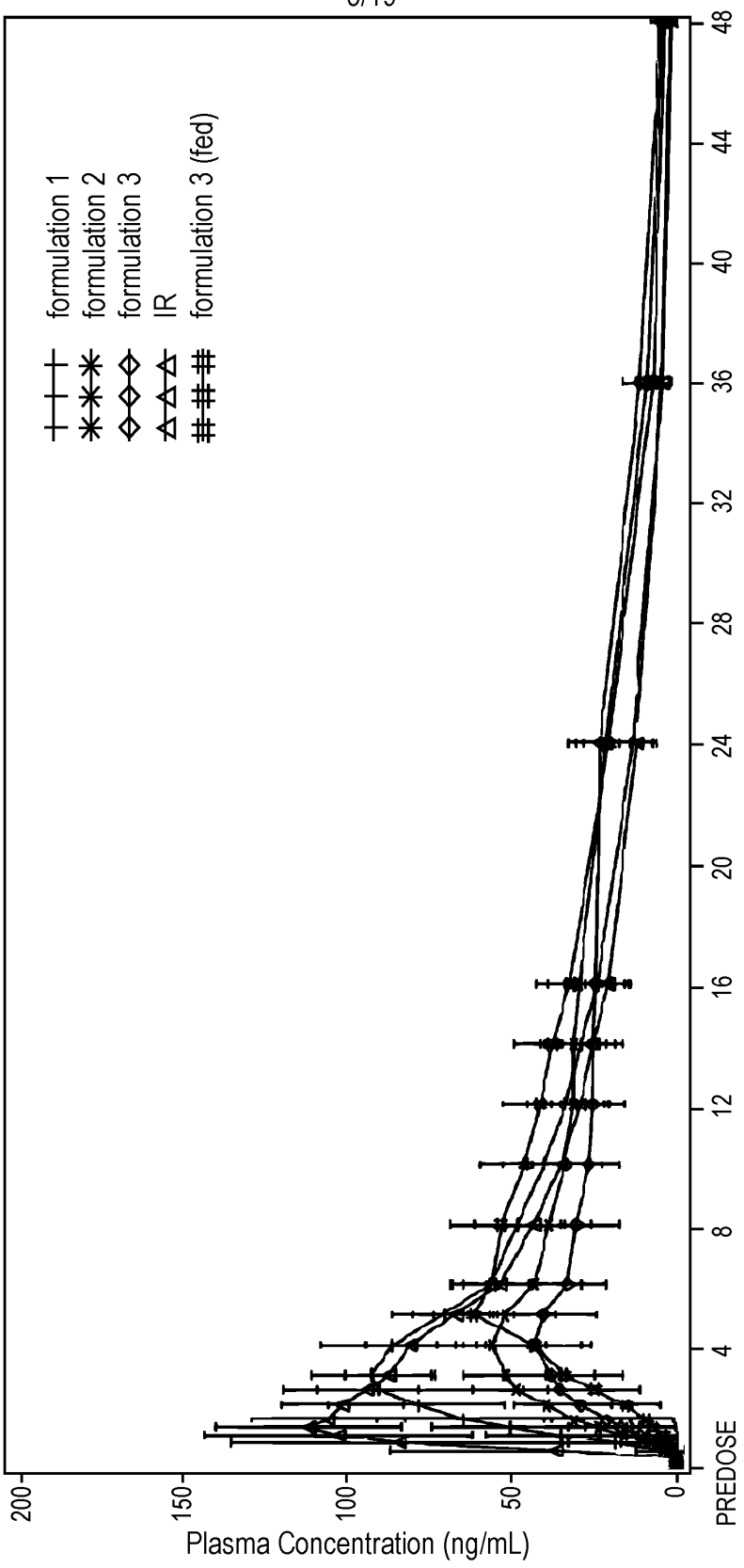

formulation 1
formulation 2
formulation 3
IR
formulation 3 (fed)
Plasma Concentration (ng/mL)
200
150
100
50
0
PREDOSE
4
8
12
16
20
24
28
32
36
40
44
48
Time (h)

FIG. 5

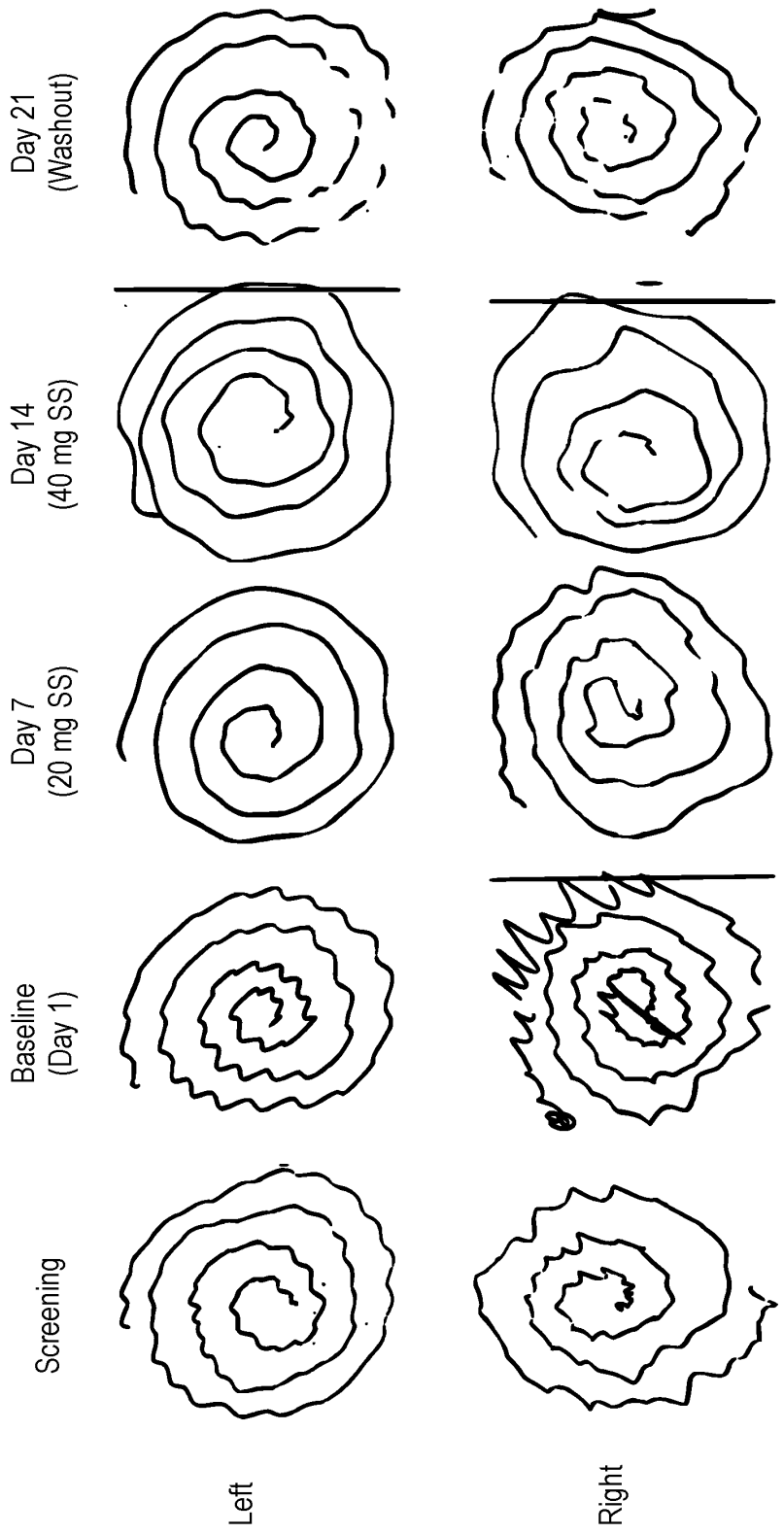

Screening
Baseline (Day 1)
Day 7 (20 mg SS)
Day 14 (40 mg SS)
Day 21 (Washout)
Left
Right

FIG. 6

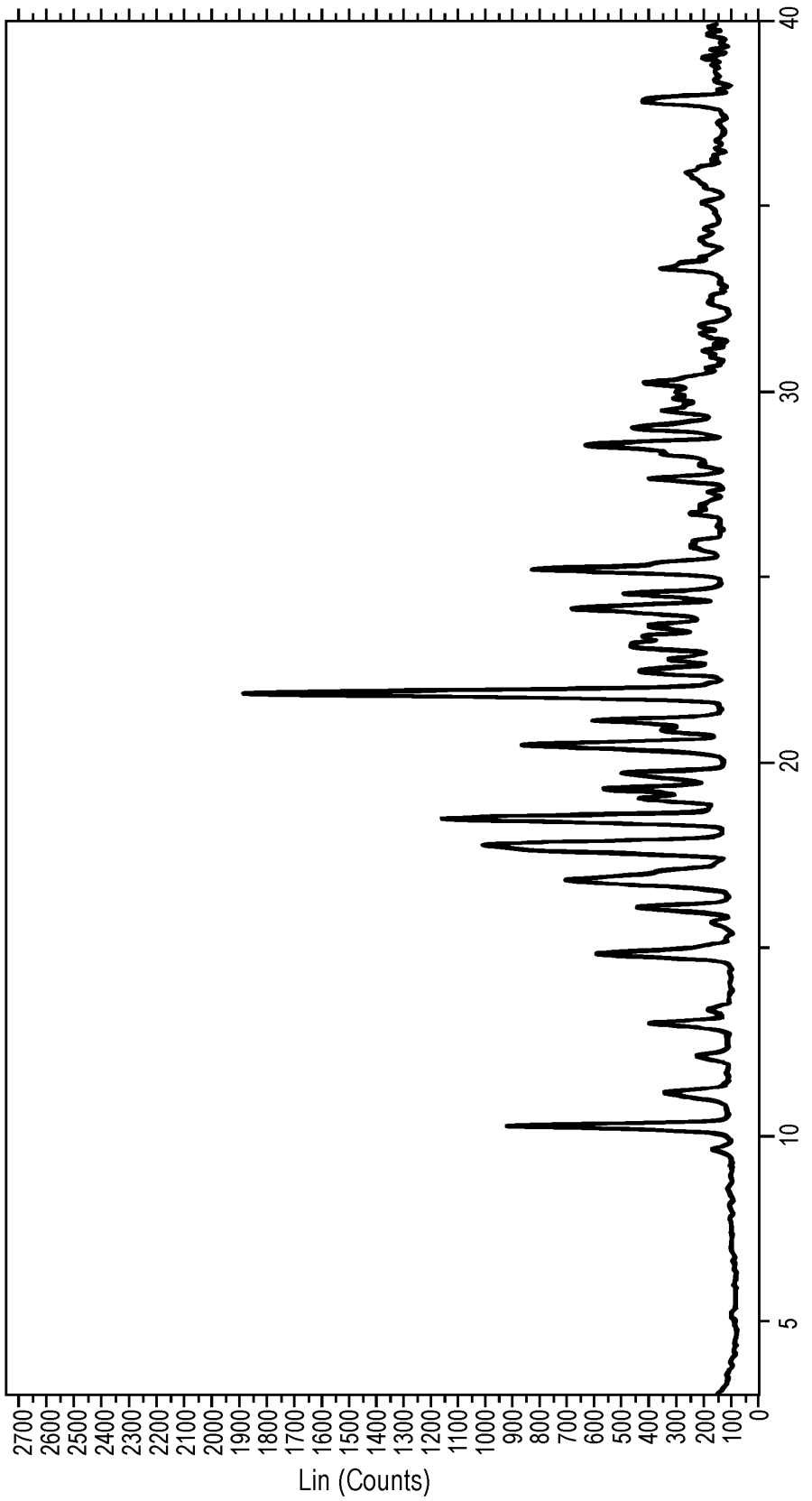

Lin (Counts)
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
5
10
20
30
40

FIG. 7

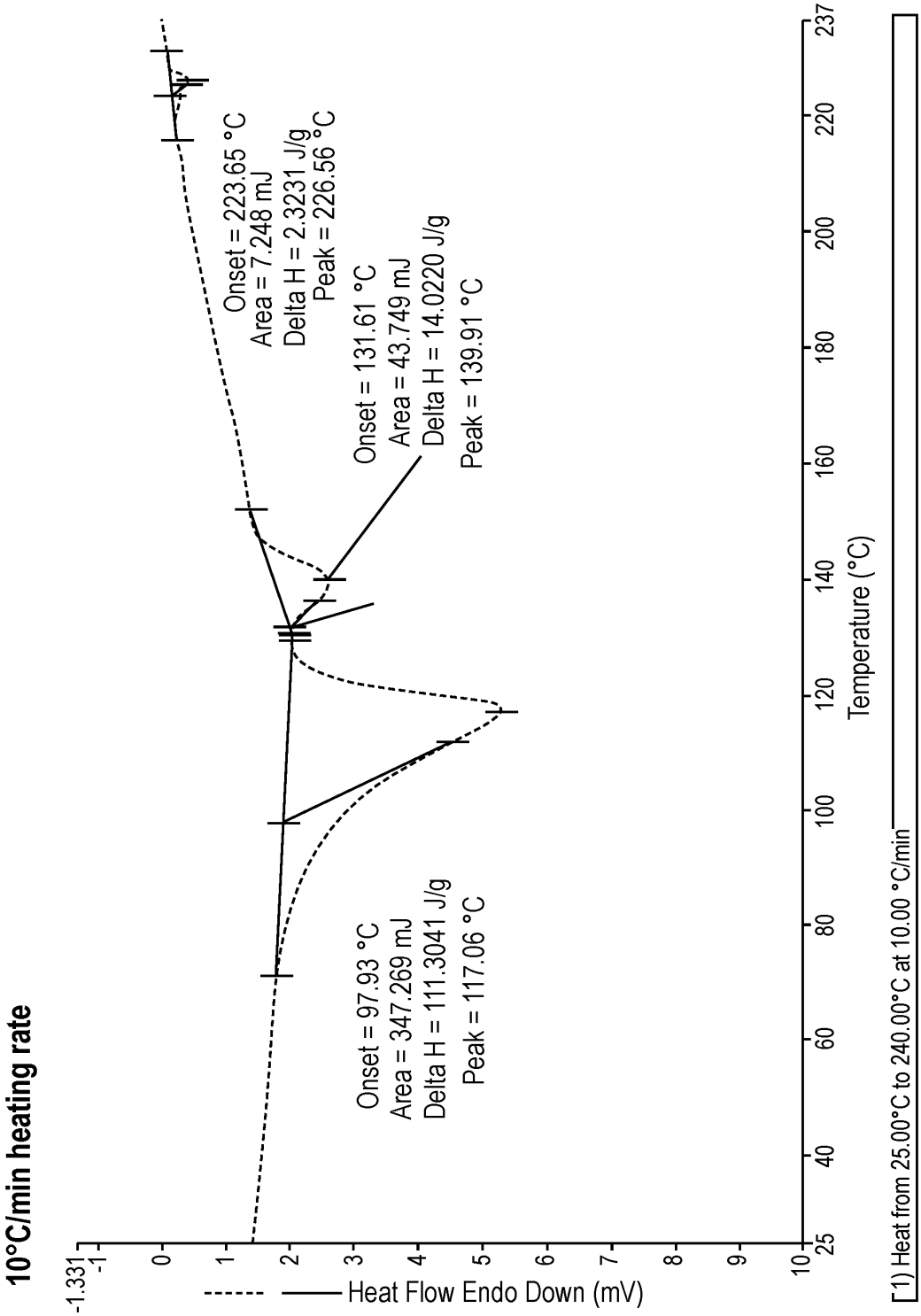

10°C/min heating rate
Onset = 223.65 °C
Area = 7.248 mJ
Delta H = 2.3231 J/g
Peak = 226.56 °C
Onset = 131.61 °C
Area = 43.749 mJ
Delta H = 14.0220 J/g
Peak = 139.91 °C
Onset = 97.93 °C
Area = 347.269 mJ
Delta H = 111.3041 J/g
Peak = 117.06 °C
Heat Flow Endo Down (mV)
Temperature (°C)
[1] Heat from 25.00°C to 240.00°C at 10.00 °C/min

FIG. 8A

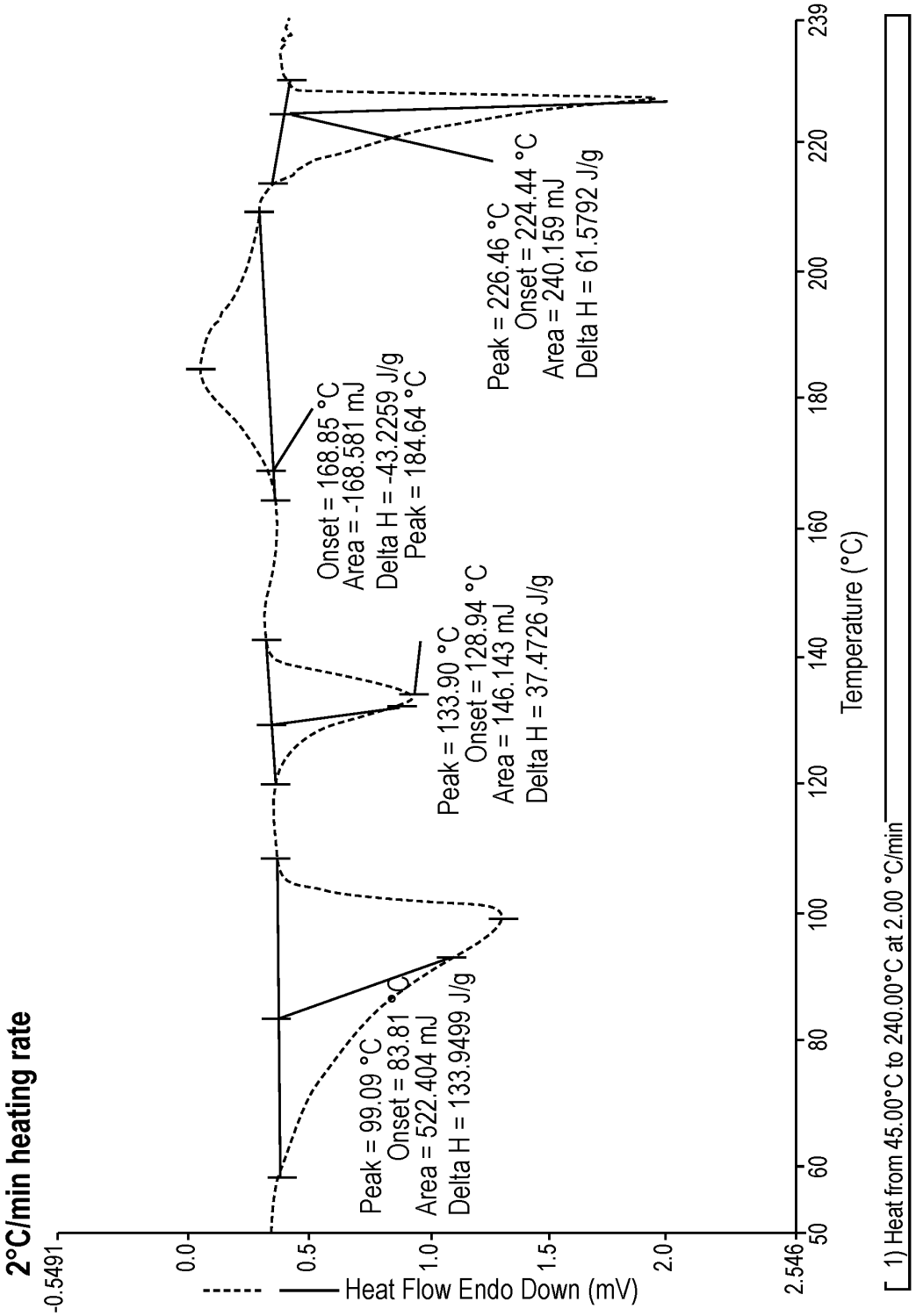

2°C/min heating rate
Peak = 99.09 °C
Onset = 83.81 °C
Area = 522.404 mJ
Delta H = 133.9499 J/g
Peak = 133.90 °C
Onset = 128.94 °C
Area = 146.143 mJ
Delta H = 37.4726 J/g
Onset = 168.85 °C
Area = -168.581 mJ
Delta H = -43.2259 J/g
Peak = 184.64 °C
Peak = 226.46 °C
Onset = 224.44 °C
Area = 240.159 mJ
Delta H = 61.5792 J/g
Heat Flow Endo Down (mV)
Temperature (°C)
1) Heat from 45.00°C to 240.00°C at 2.00 °C/min

FIG. 8B

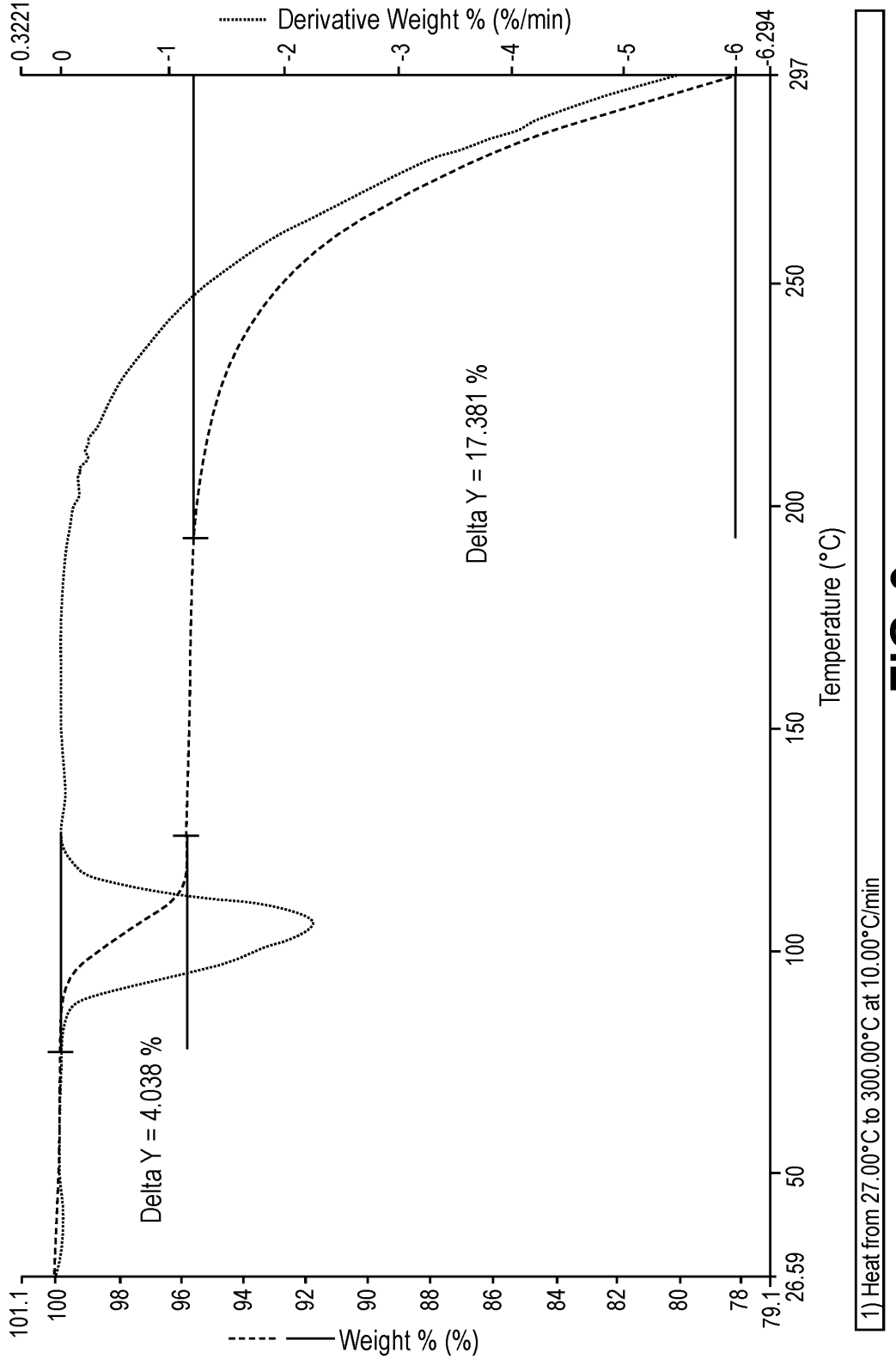

Derivative Weight % (%/min)
0.3221
0
-1
-2
-3
-4
-5
-6
-6.294
297
250
200
150
100
50
26.59
Temperature (°C)
Delta Y = 17.381 %
Delta Y = 4.038 %
101.1
100
98
96
94
92
90
88
86
84
82
80
78
79.1
Weight % (%)
1) Heat from 27.00°C to 300.00°C at 10.00°C/min

FIG. 9

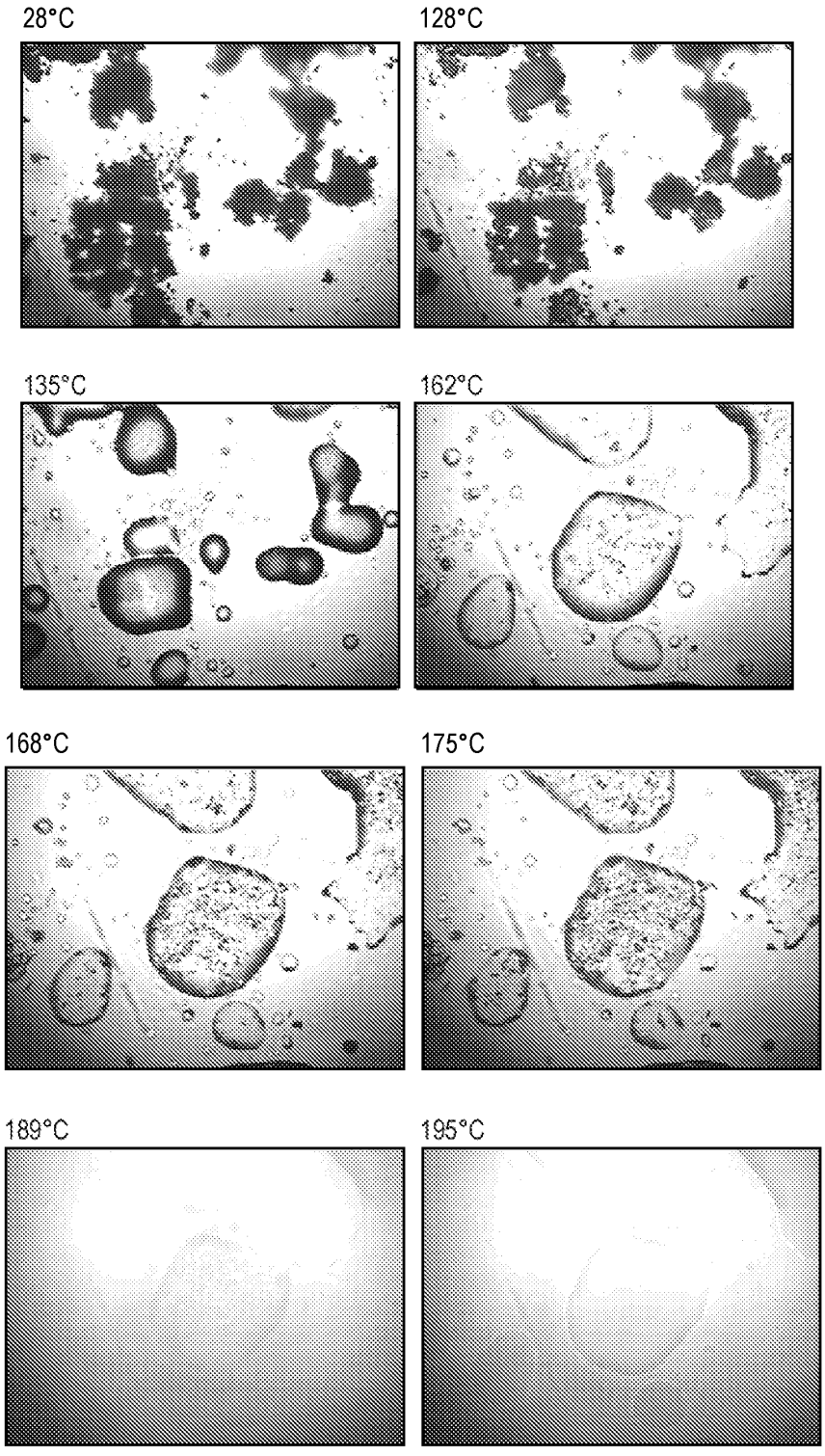


FIG. 10

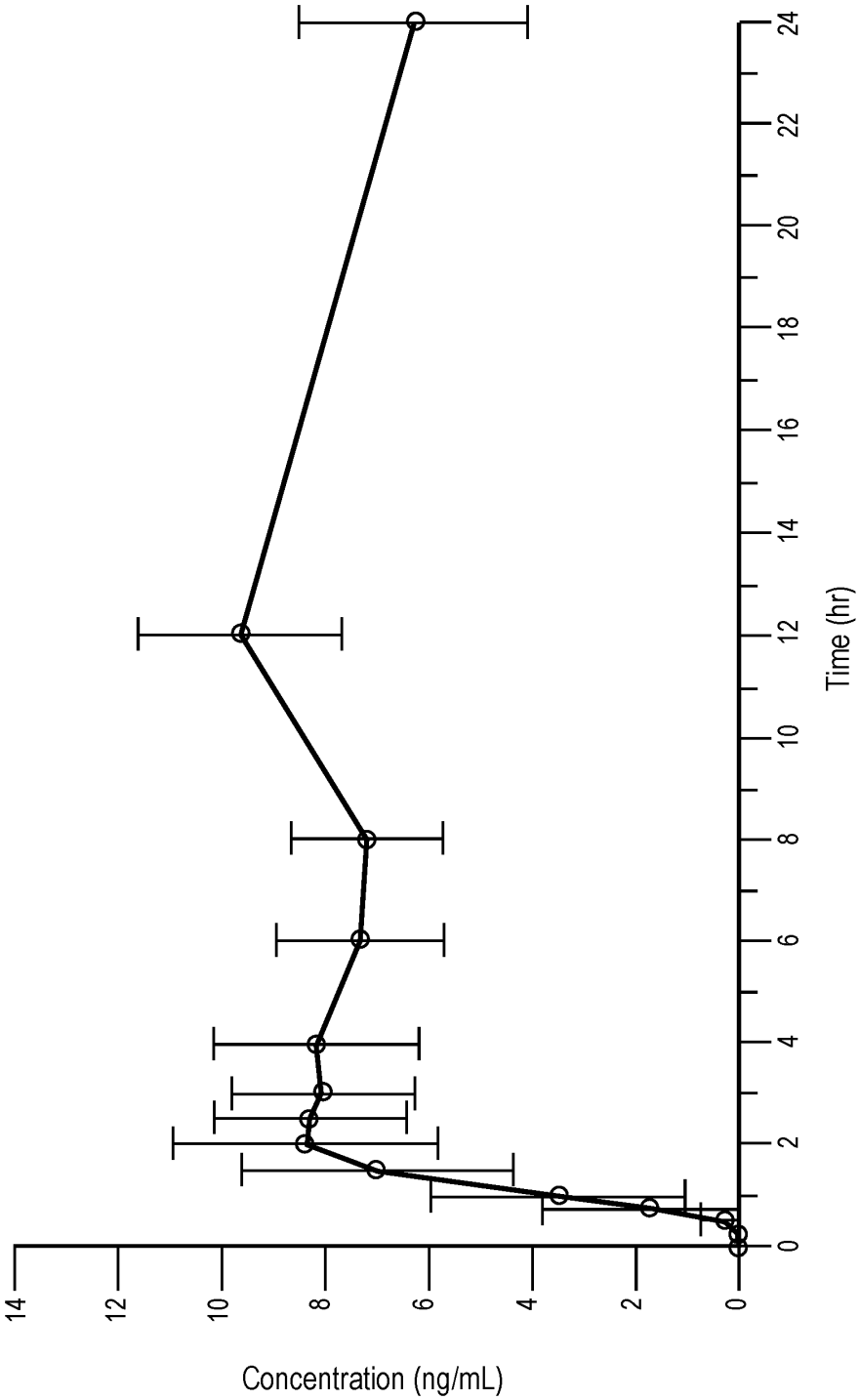

Concentration (ng/mL)
0
2
4
6
8
10
12
14
Time (hr)
0
2
4
6
8
10
12
14
16
18
20
22
24

FIG. 11

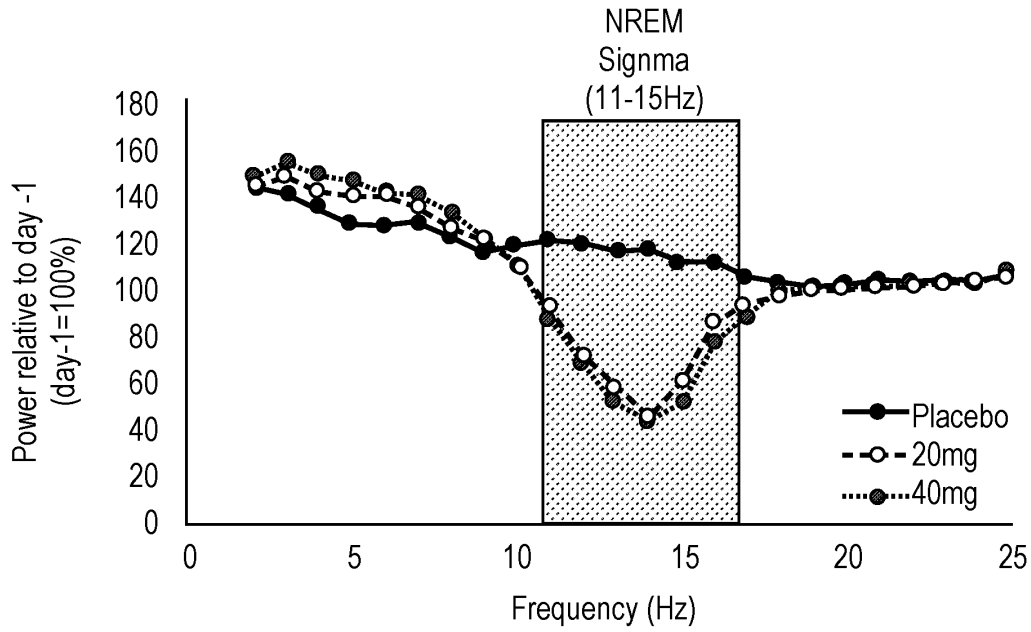

NREM
Signma
(11-15Hz)
Power relative to day -1
(day-1=100%)
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
Frequency (Hz)
Placebo
20mg
40mg

FIG. 12

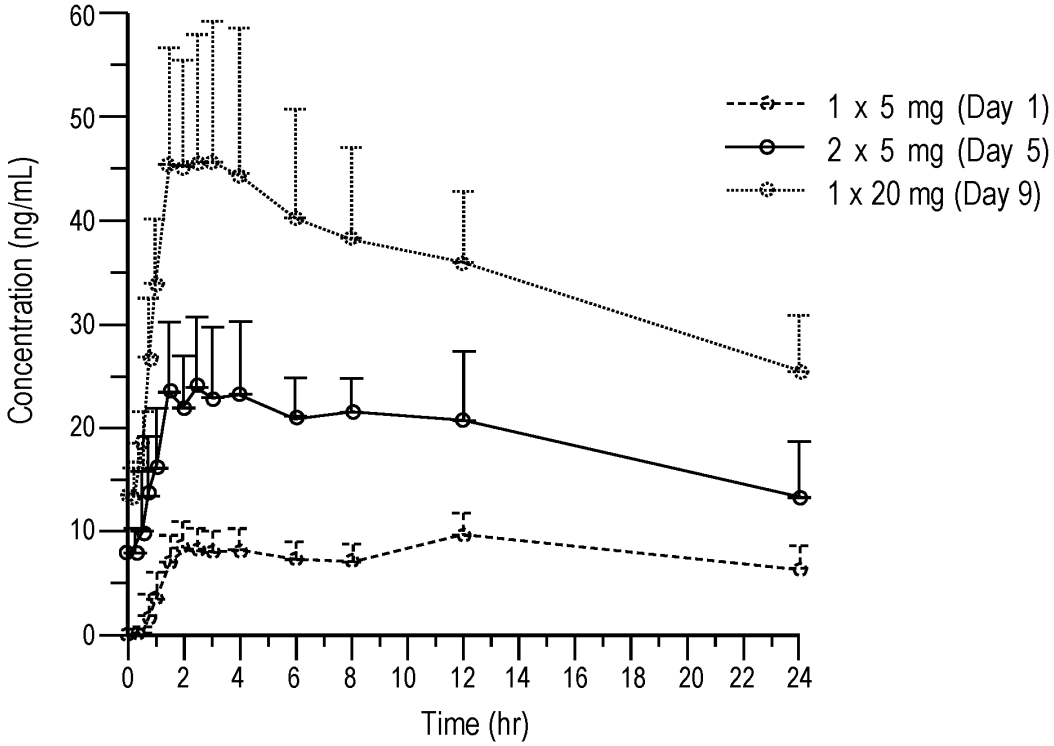

Concentration (ng/mL)
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hr)
1 x 5 mg (Day 1)
2 x 5 mg (Day 5)
1 x 20 mg (Day 9)

FIG. 13

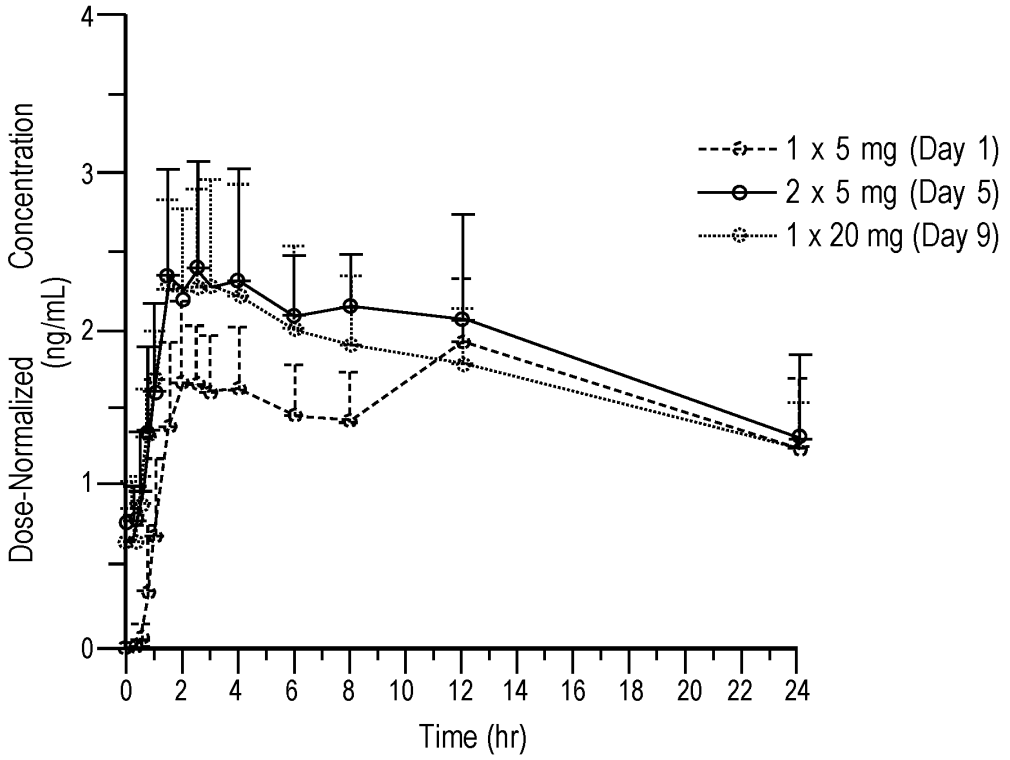

Dose-Normalized Concentration (ng/mL)
Time (hr)
1 x 5 mg (Day 1)
2 x 5 mg (Day 5)
1 x 20 mg (Day 9)
0
1
2
3
4
0
2
4
6
8
10
12
14
16
18
20
22
24

FIG. 14

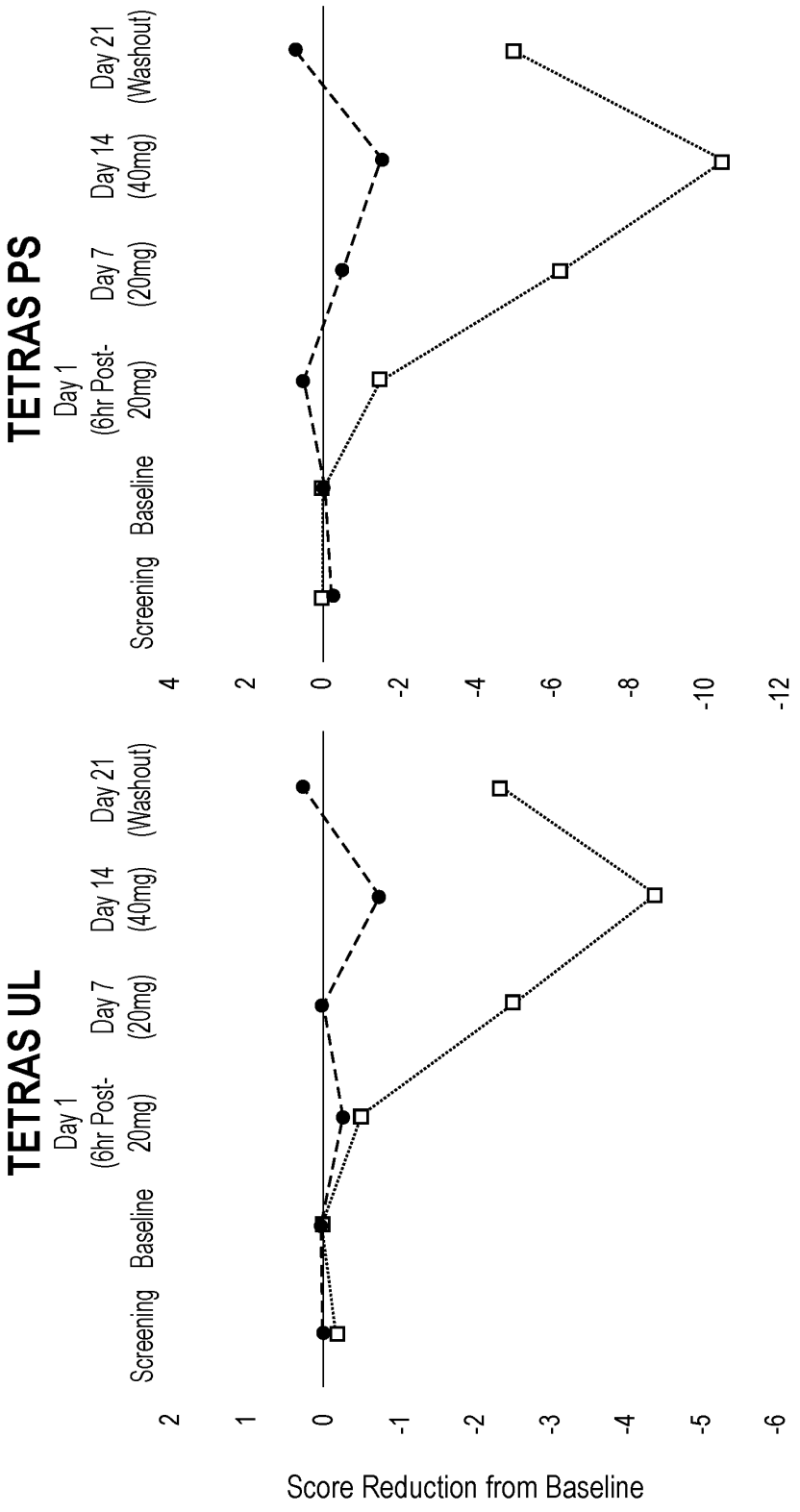

TETRAS UL
TETRAS PS
Screening
Baseline
Day 1 (6hr Post-20mg)
Day 7 (20mg)
Day 14 (40mg)
Day 21 (Washout)
Score Reduction from Baseline
Non-responder Mean (N=2)
Responder Mean (N=3)

FIG. 15

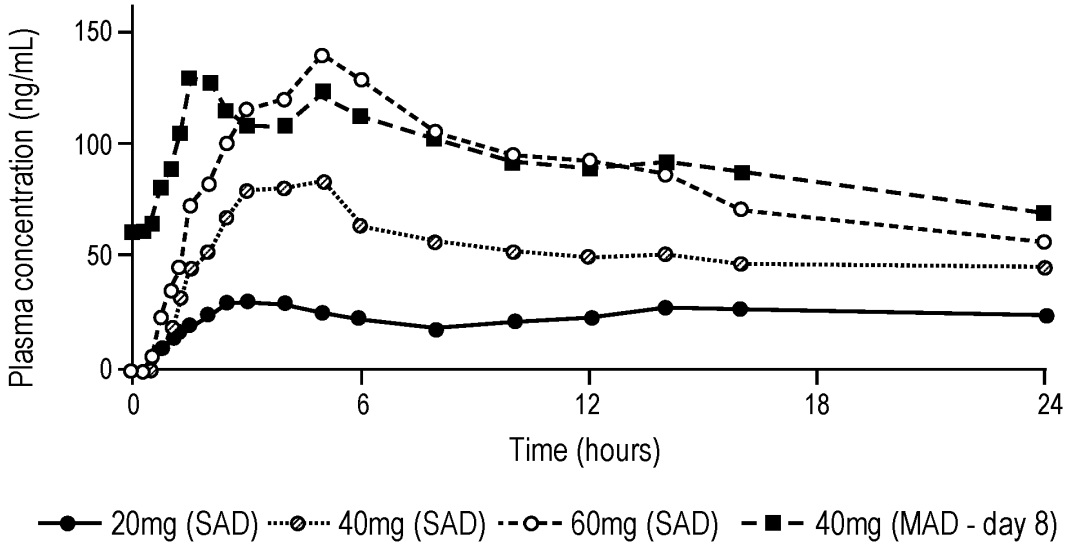

Plasma concentration (ng/mL)
150
100
50
0
0
6
12
18
24
Time (hours)
20mg (SAD)
40mg (SAD)
60mg (SAD)
40mg (MAD - day 8)

FIG. 16

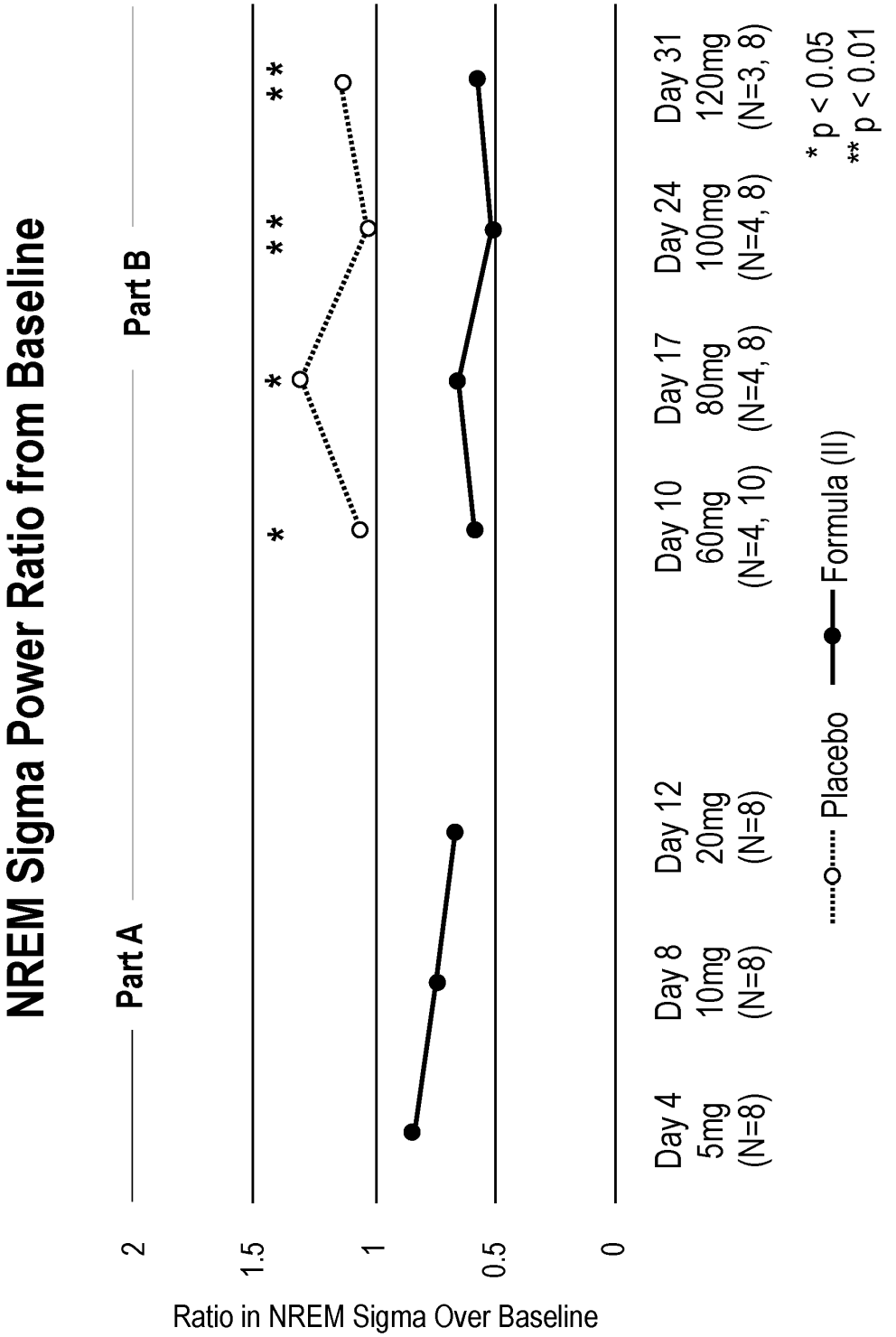

NREM Sigma Power Ratio from Baseline
Part A
Part B
2
1.5
1
0.5
0
Ratio in NREM Sigma Over Baseline
Day 4
5mg
(N=8)
Day 8
10mg
(N=8)
Day 12
20mg
(N=8)
Day 10
60mg
(N=4, 10)
Day 17
80mg
(N=4, 8)
Day 24
100mg
(N=4, 8)
Day 31
120mg
(N=3, 8)
* p < 0.05
** p < 0.01
Placebo
Formula (II)

FIG. 17

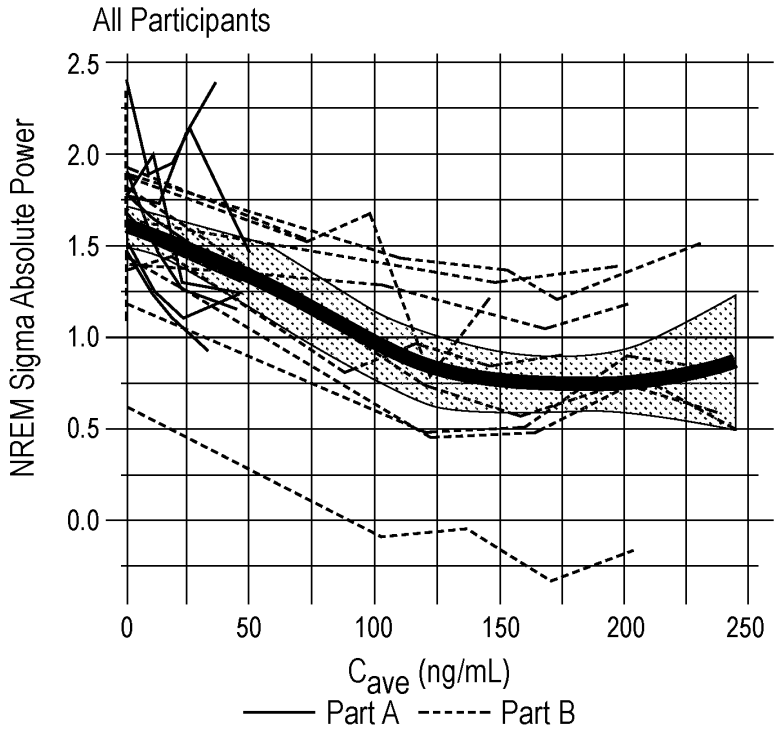

All Participants
NREM Sigma Absolute Power
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
200
250
Cave (ng/mL)
Part A
Part B

FIG. 18

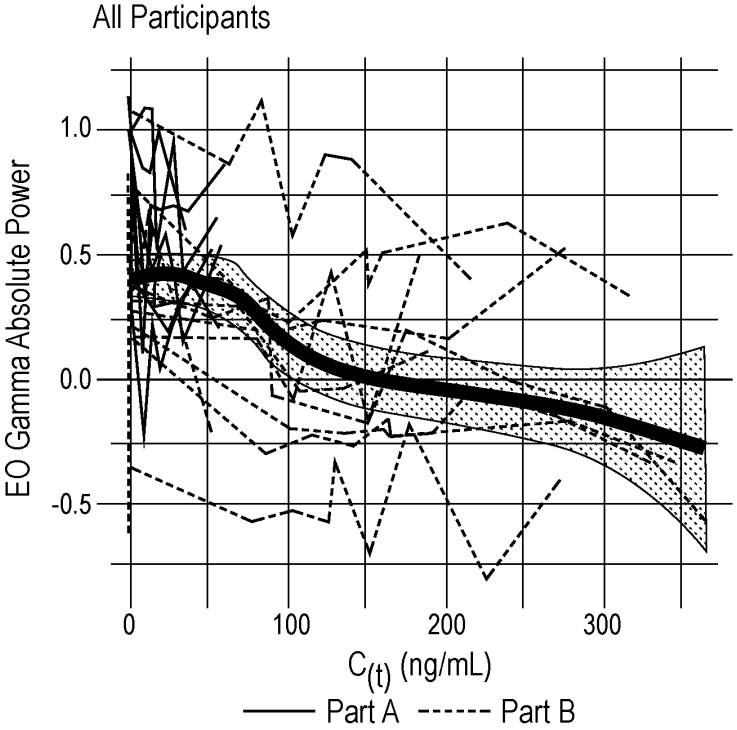

All Participants
EO Gamma Absolute Power
1.0
0.5
0.0
-0.5
0
100
200
300
C(t) (ng/mL)
Part A
Part B

FIG. 19

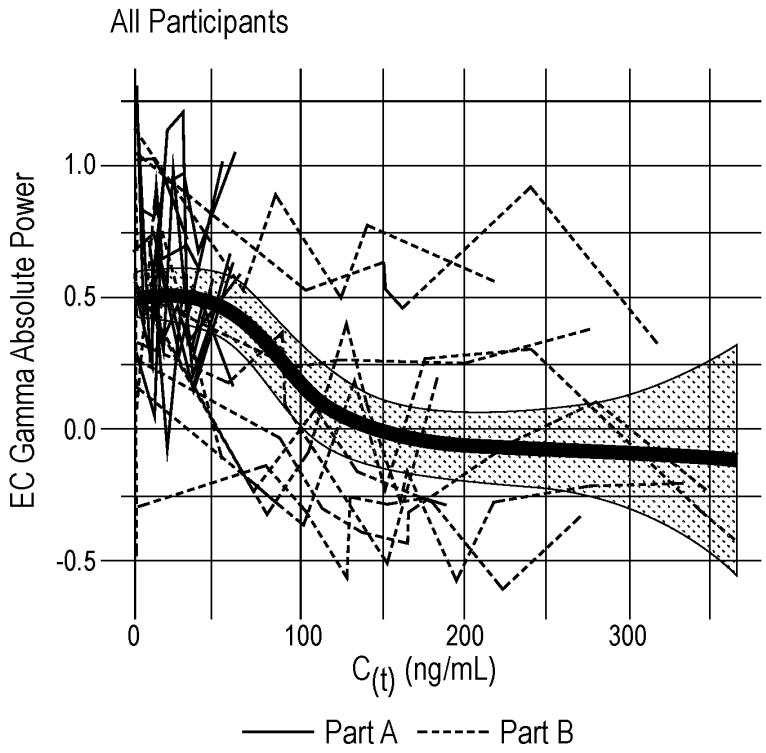

All Participants
EC Gamma Absolute Power
1.0
0.5
0.0
-0.5
0
100
200
300
C(t) (ng/mL)
Part A
Part B

FIG. 20