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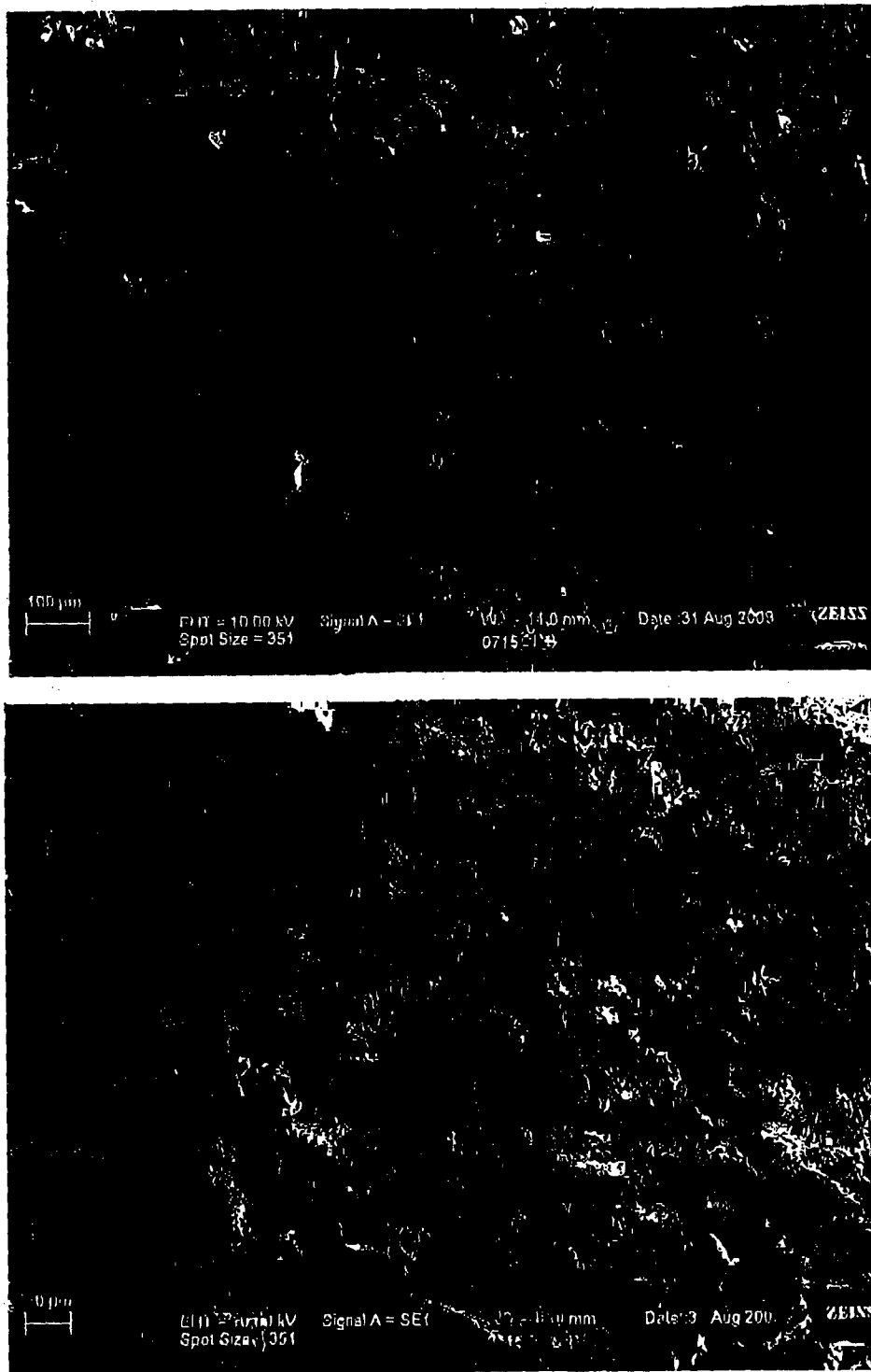


FIGURE 1

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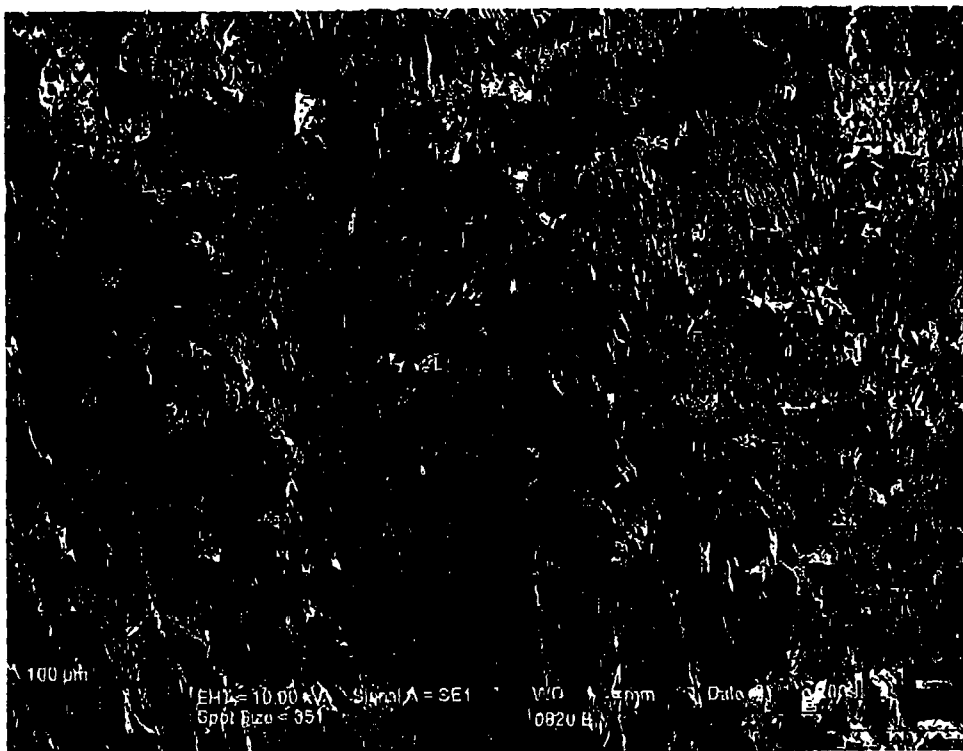
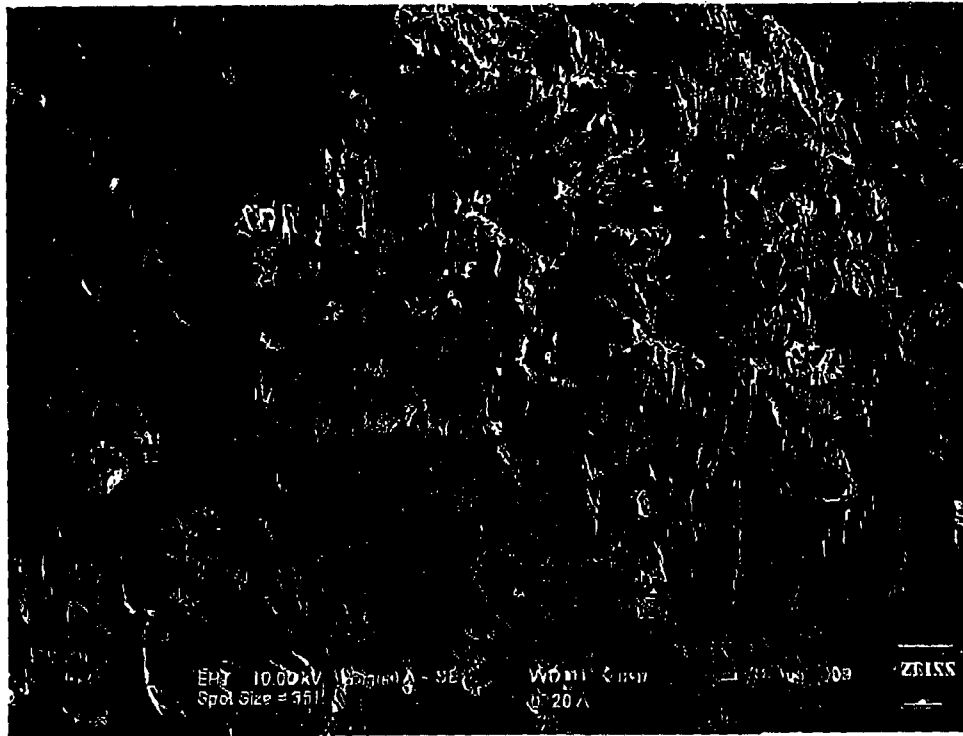


FIGURE 2

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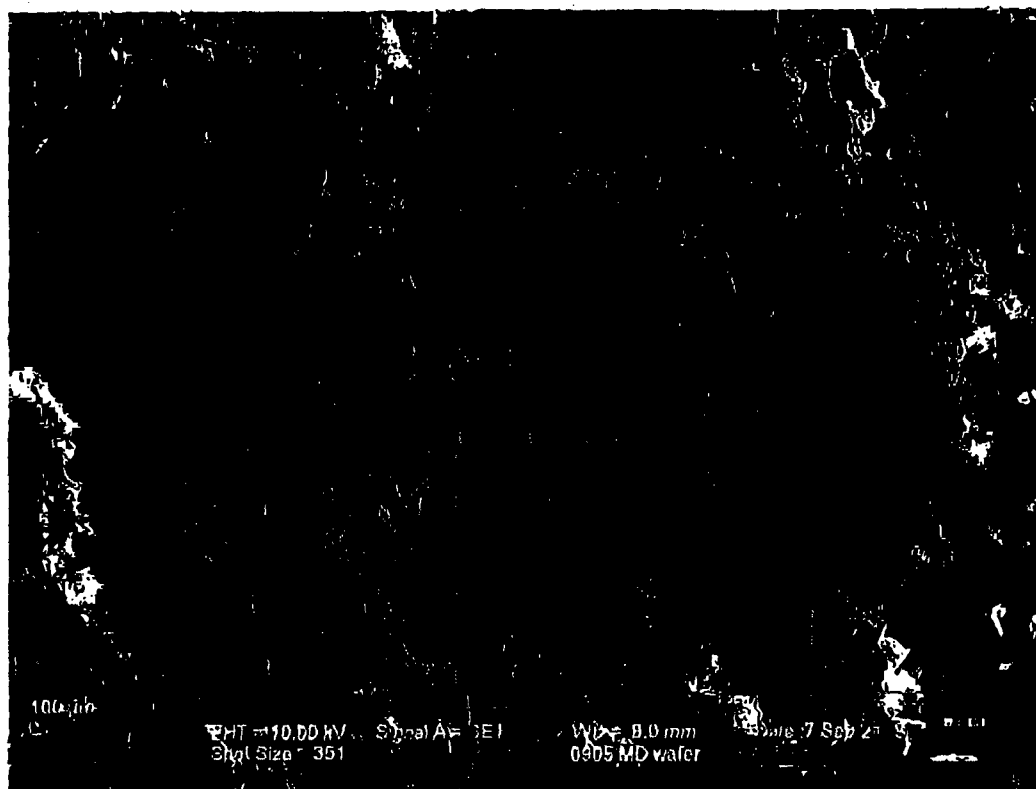


FIGURE 3

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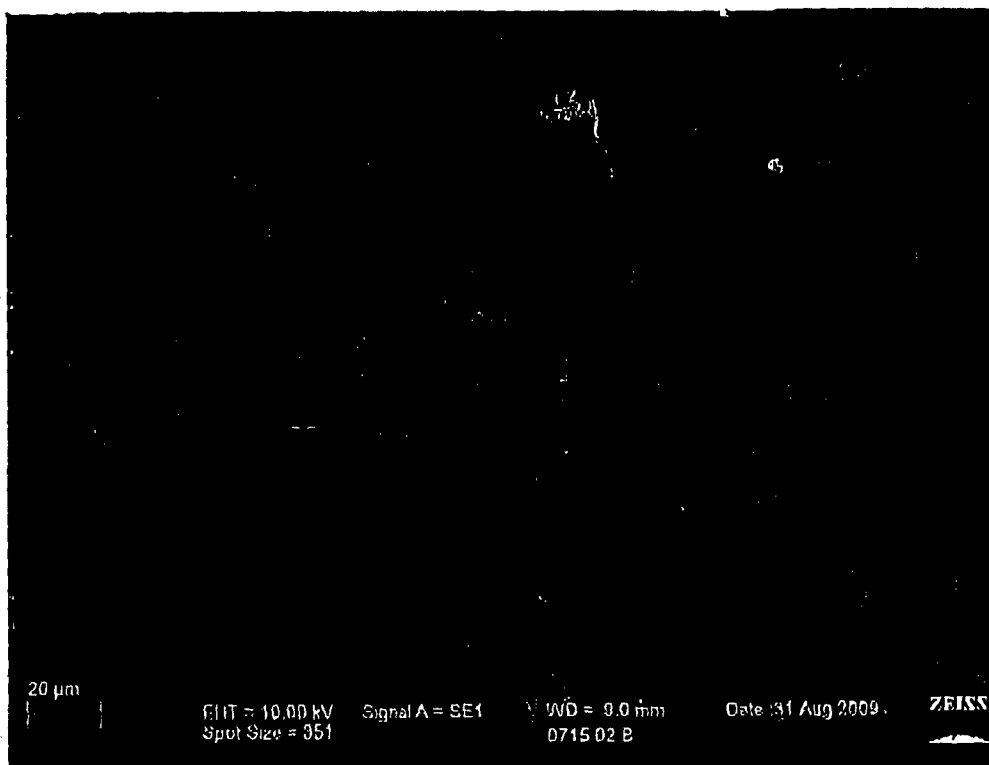
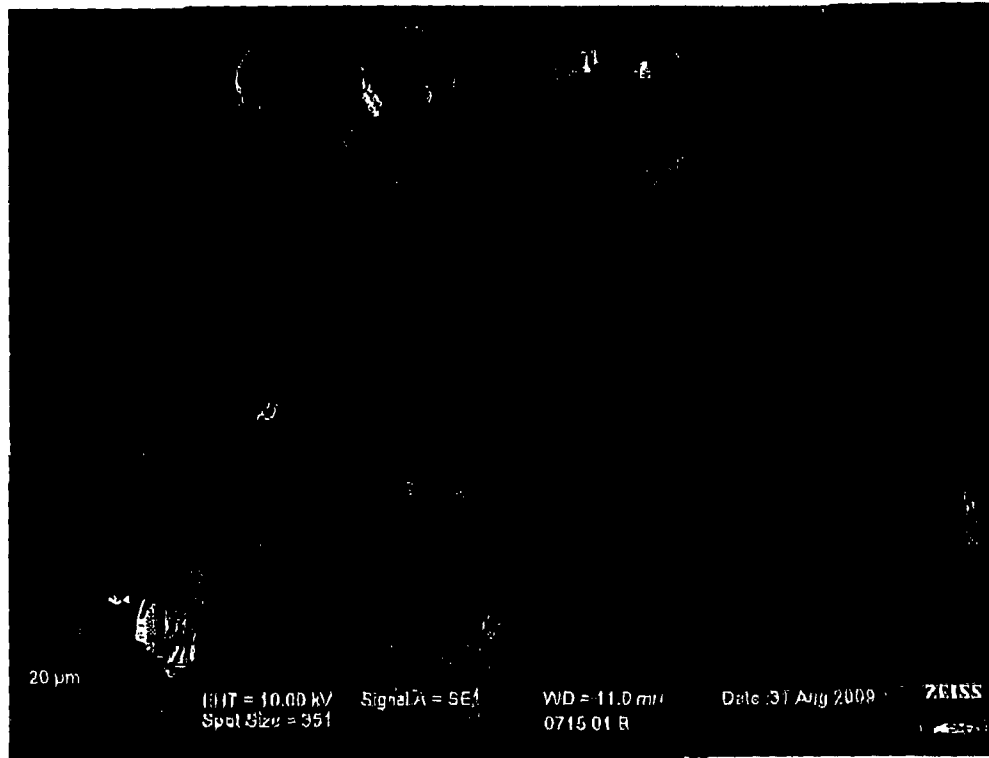


FIGURE 4

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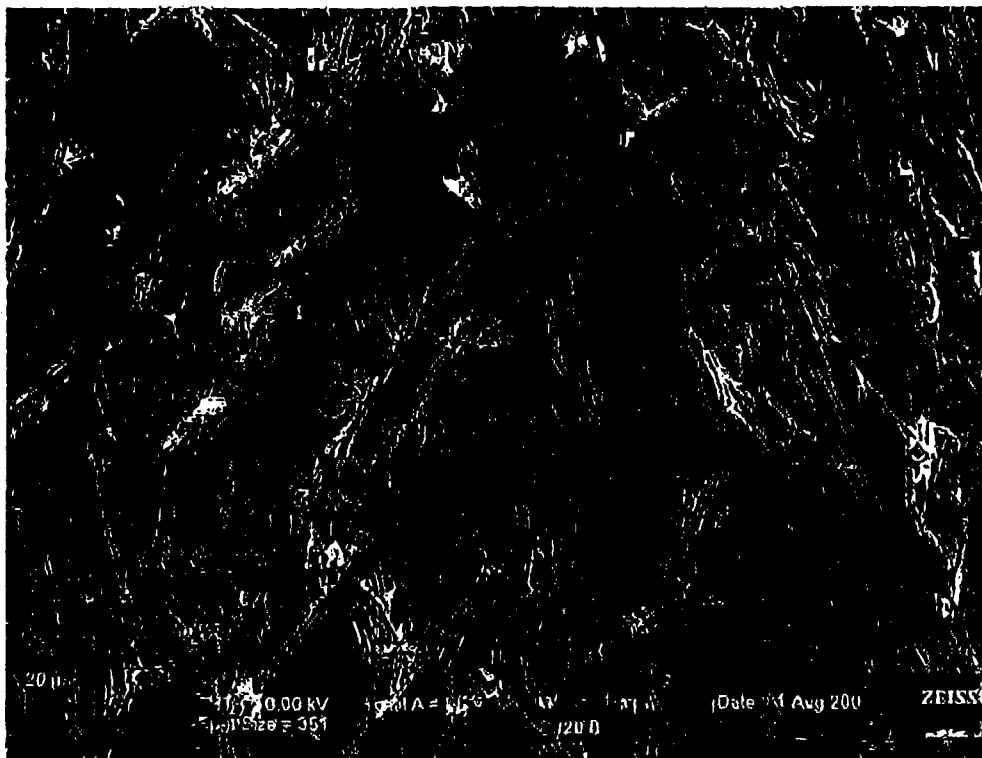
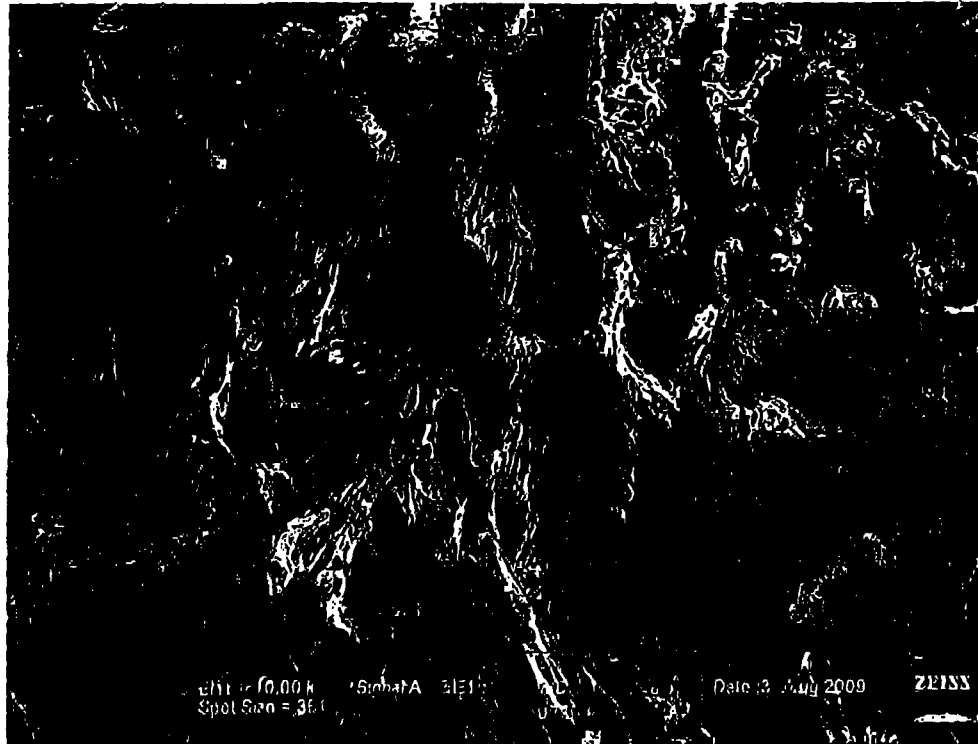


FIGURE 5

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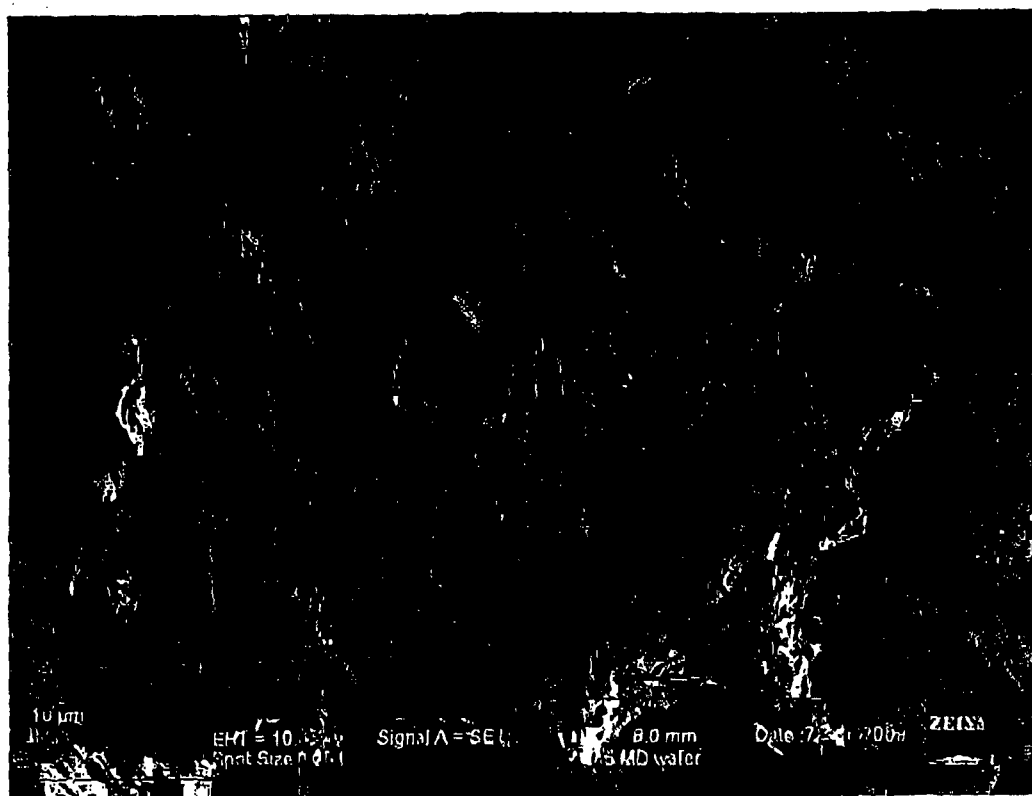
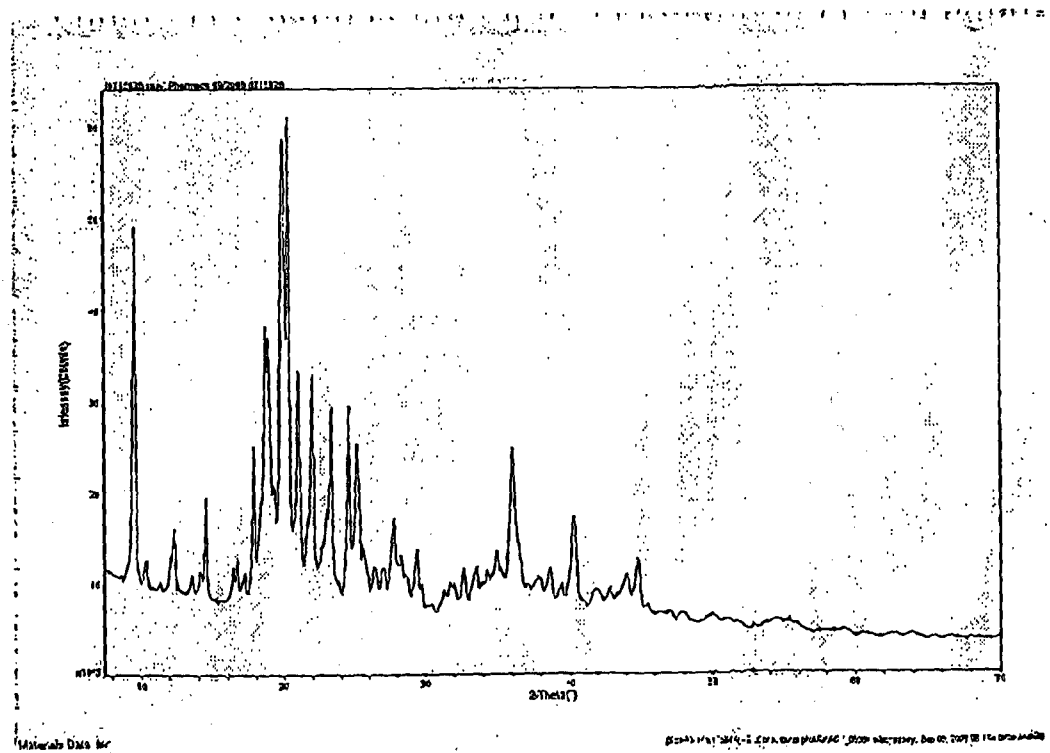
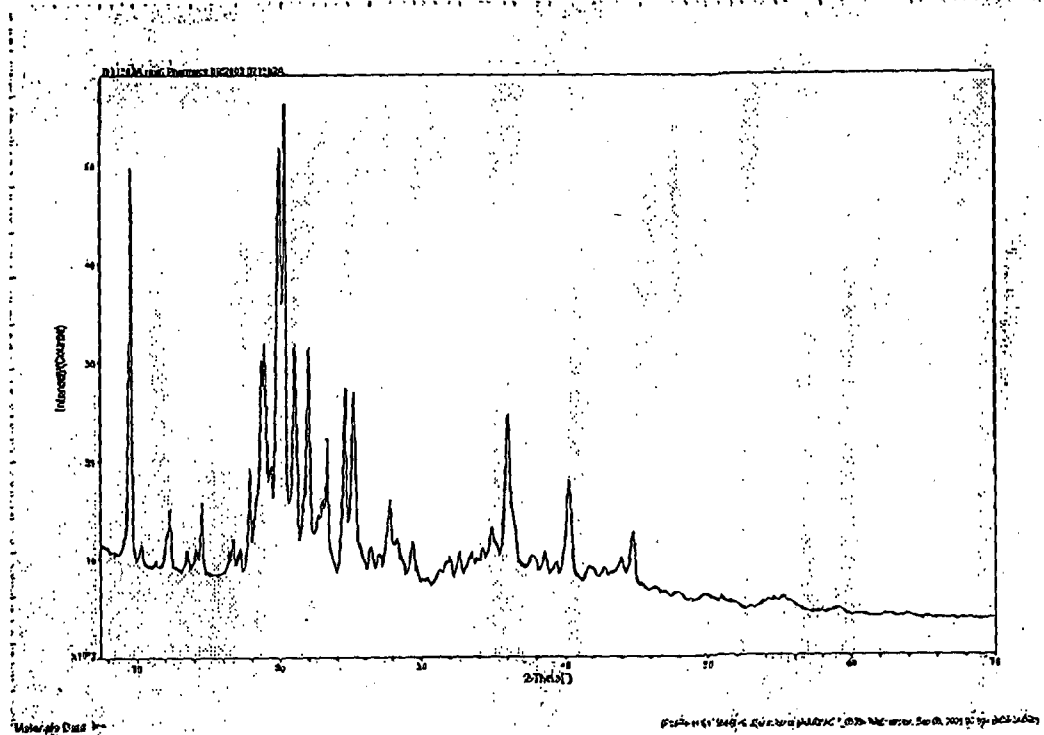
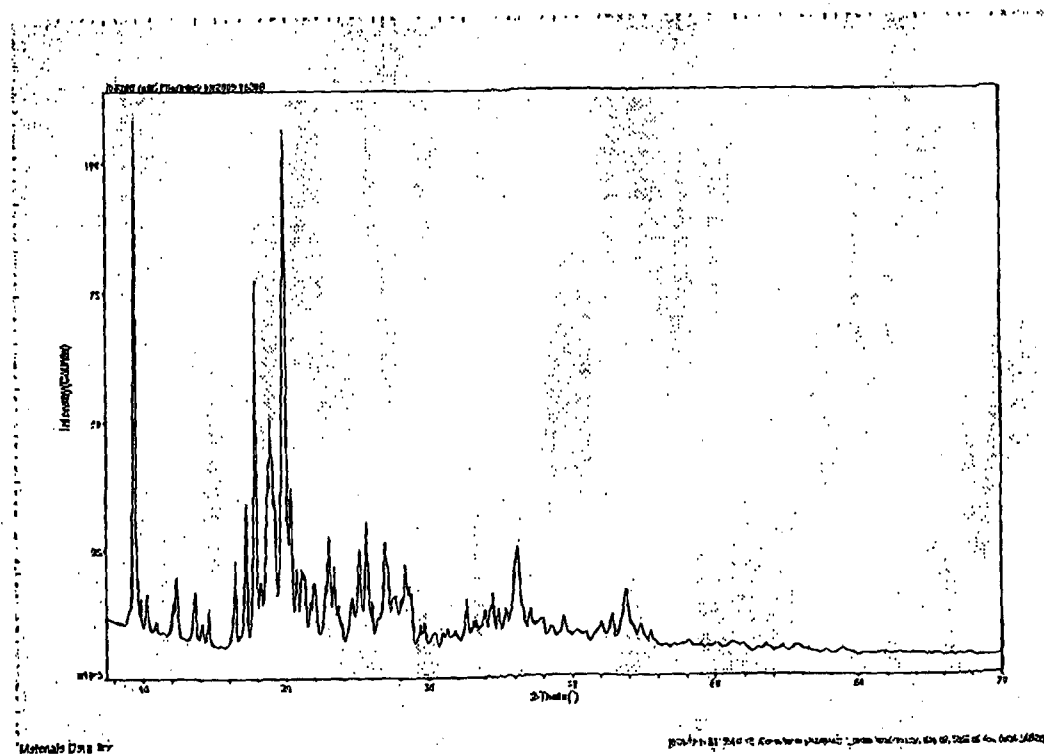
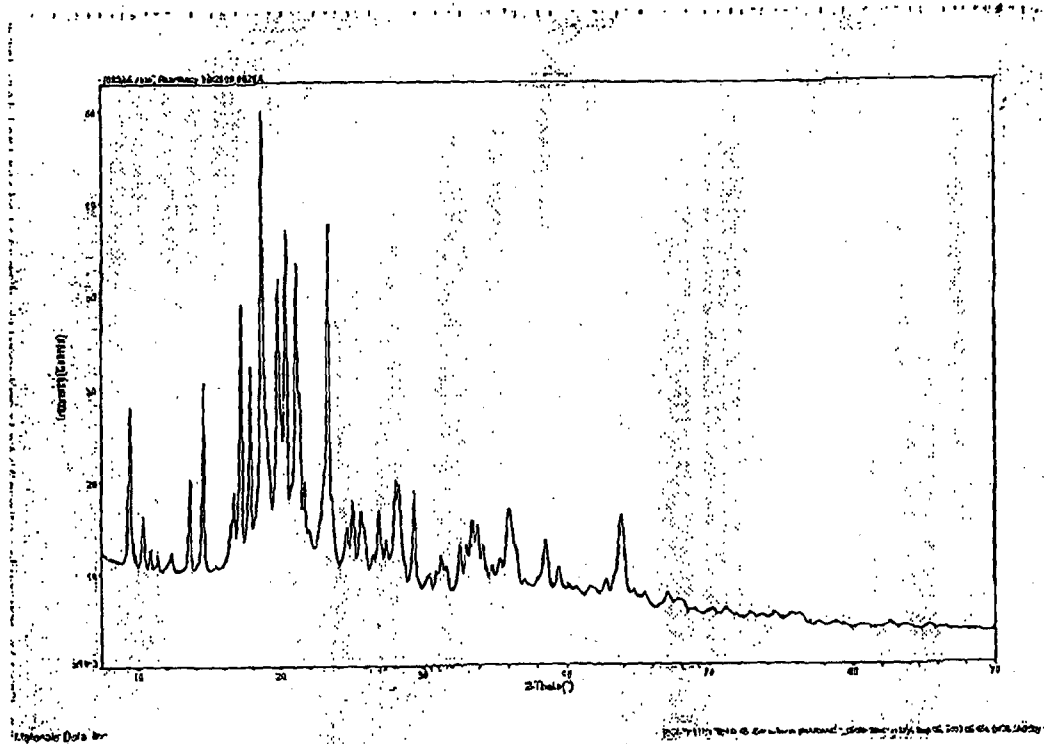


FIGURE 6

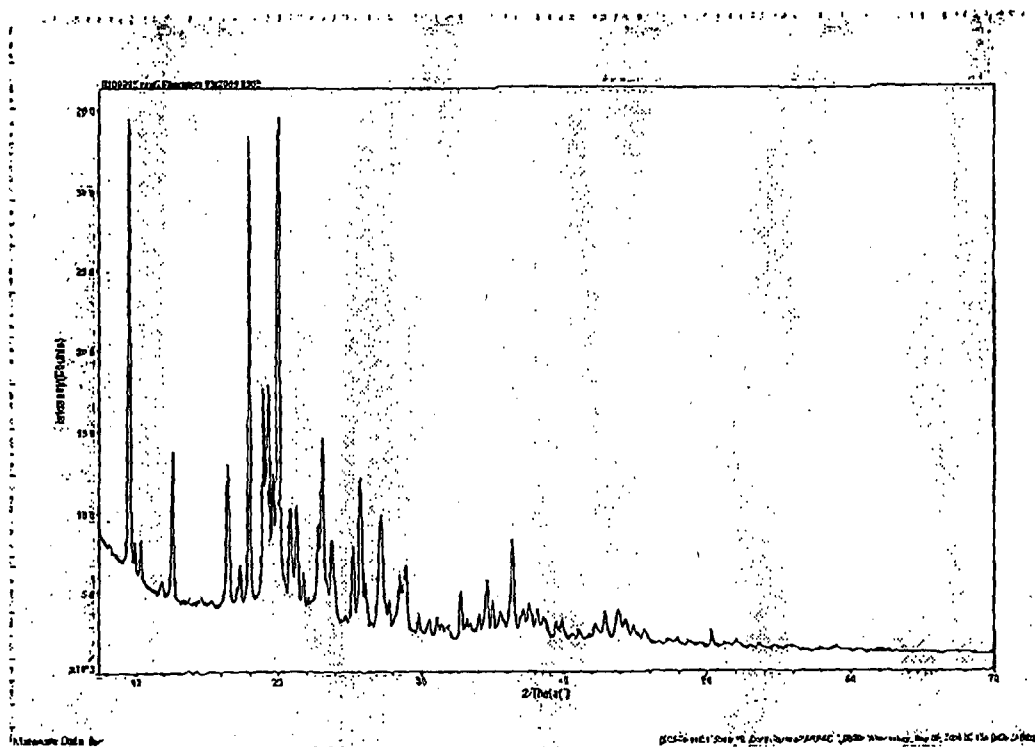
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FIGURE 7



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FIGURE 8**FIGURE 9**

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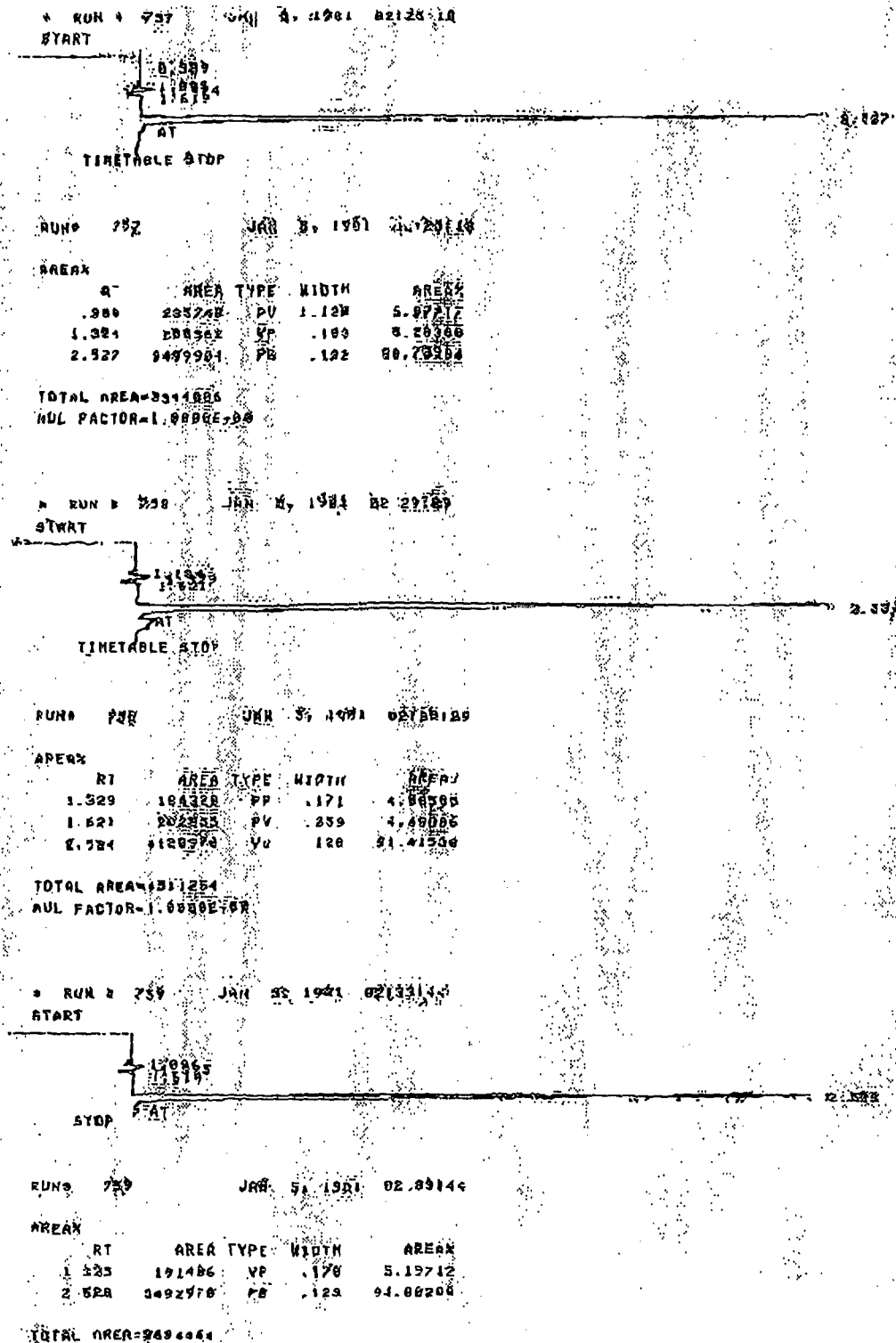


FIGURE 10 A

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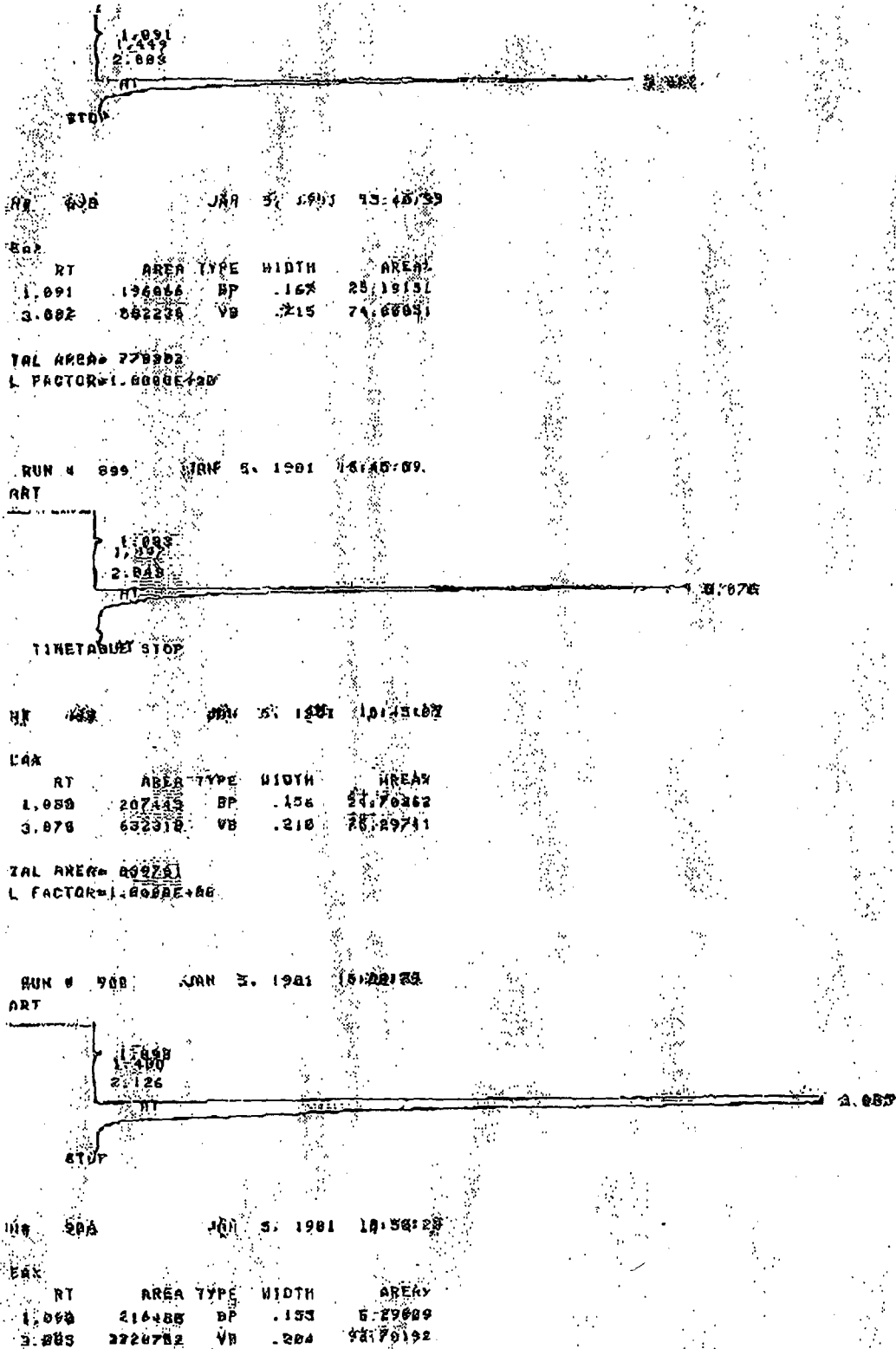


FIGURE 10 B

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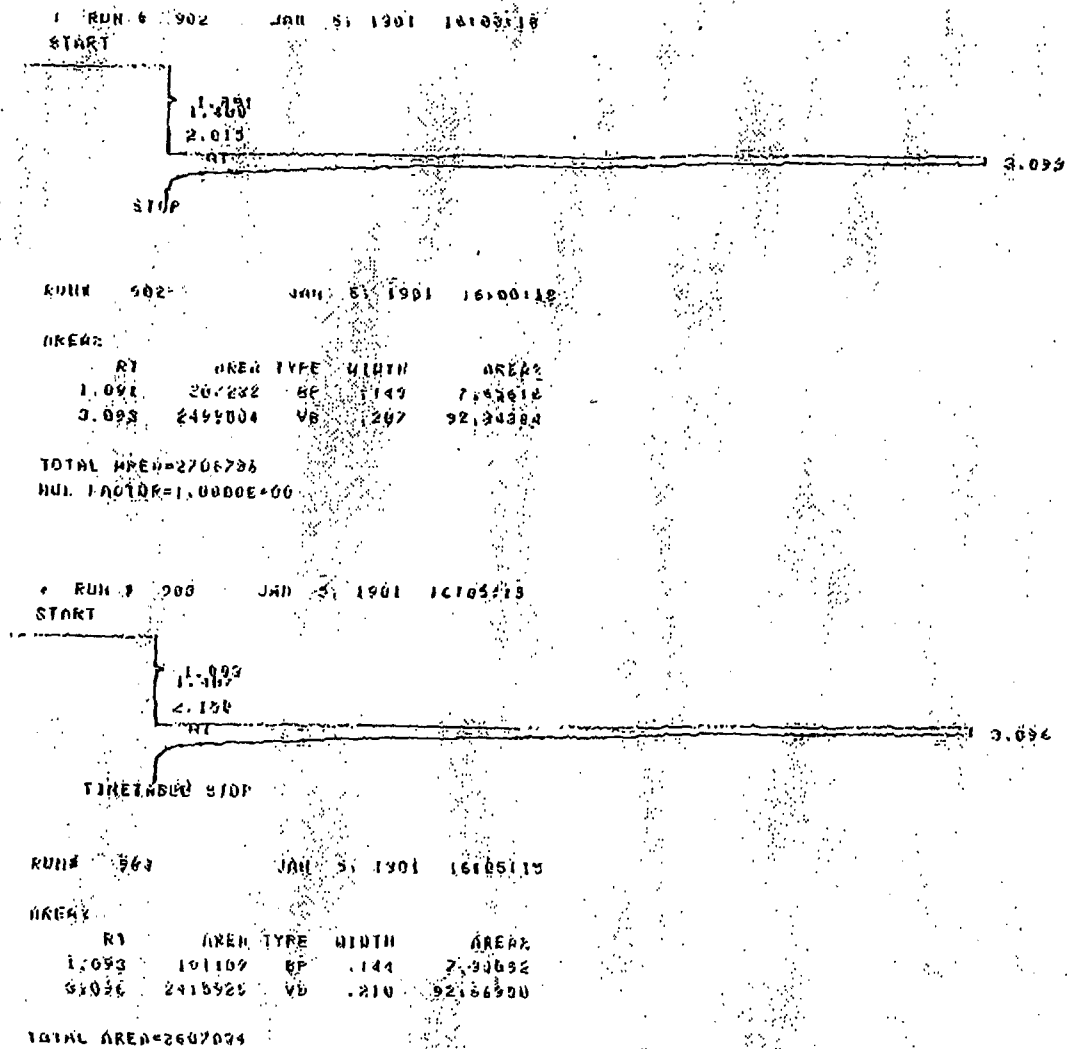


FIGURE 10 C

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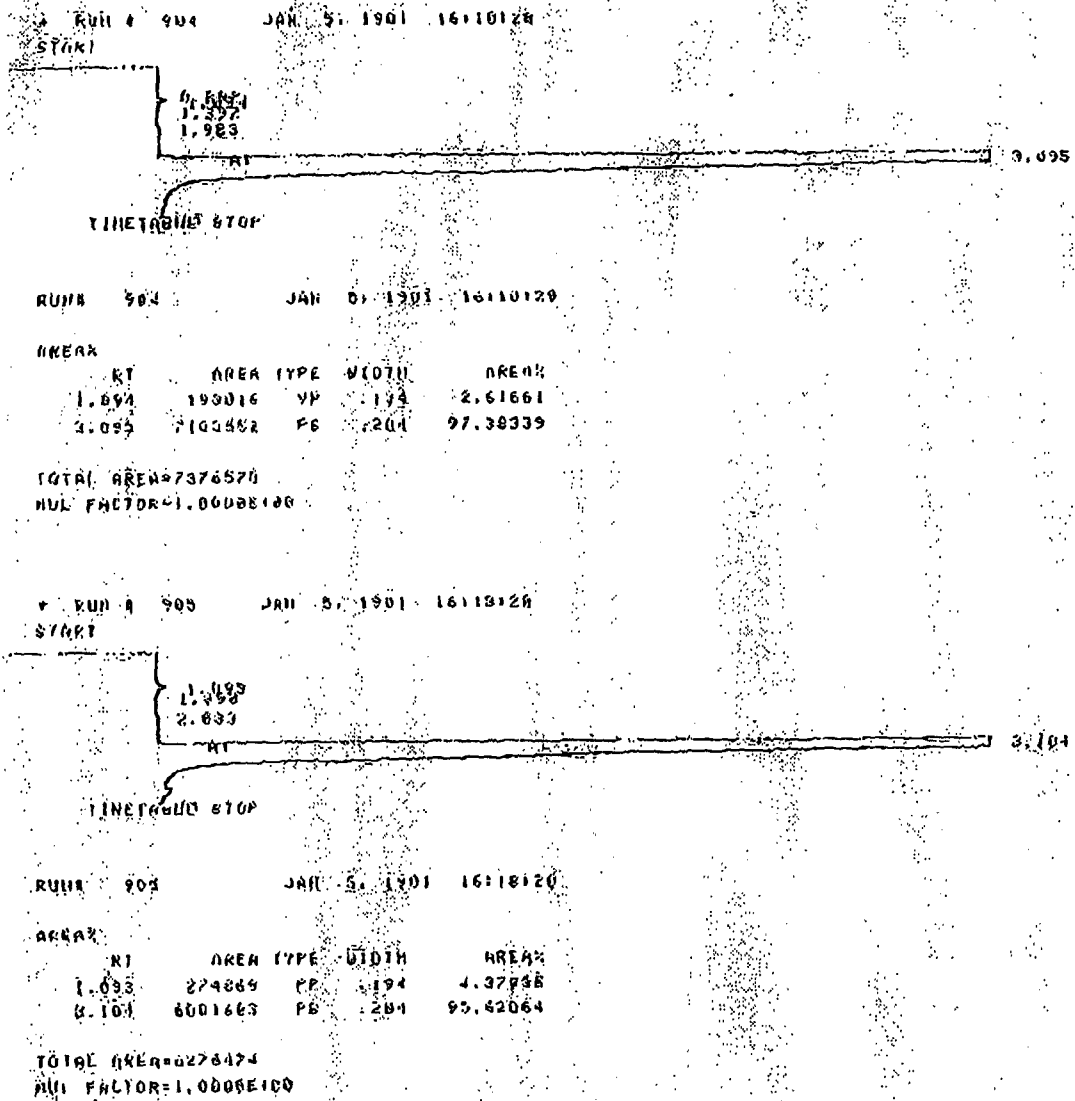


FIGURE 10 D

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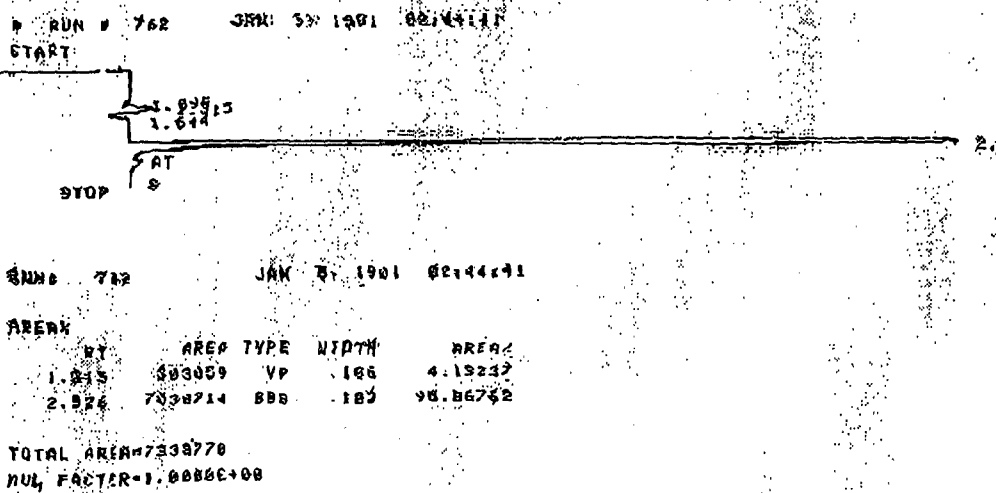
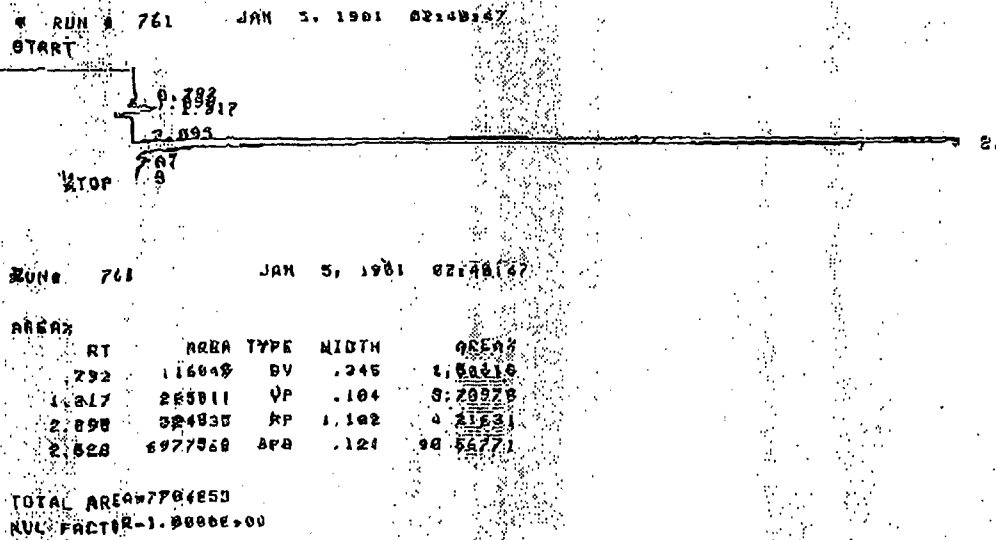
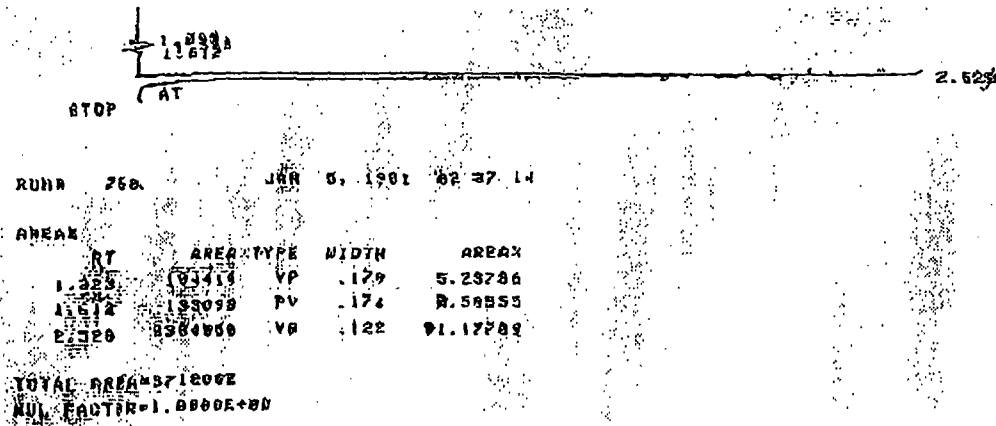


FIGURE 10 E

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RUN# 783 JAN 5 1981 05:09:51

AREA#

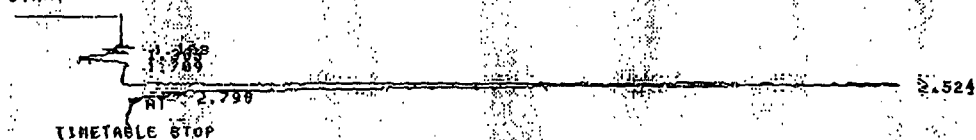
RT	AREA TYPE	WIDTH	AREA
1.300	103415 VP	.134	2.31260
1.720	196355 PV	.217	6.28900
2.526	2590550 VV	.121	32.96600
2.800	291969 VB	.160	7.43065

TOTAL AREA=3121789

MUL FACTOR=1.0000E+00

2 RUN # 783 JAN 5 1981 05:13:55

START



RUN# 783 JAN 5 1981 05:13:58

AREA#

RT	AREA TYPE	WIDTH	AREA
1.709	198119 PV	.212	6.42192
2.524	2511176 VV	.126	34.82355
2.799	259175 VB	.178	8.76452

TOTAL AREA=2260470

MUL FACTOR=1.0000E+00

3 RUN # 790 JAN 5 1981 05:21:15

START

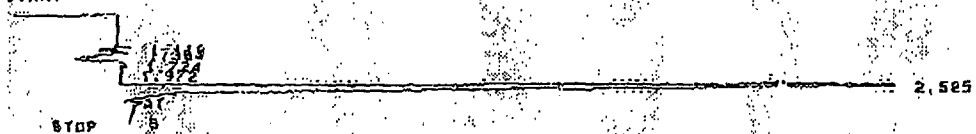


FIGURE 11

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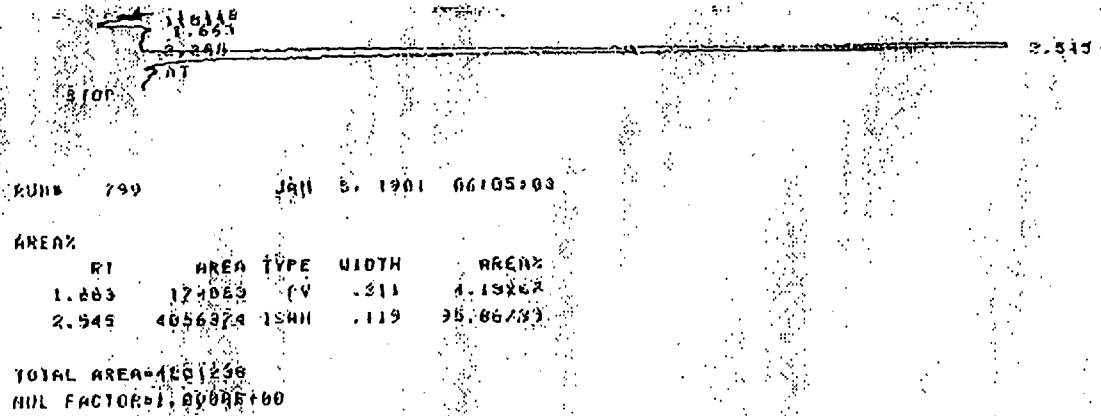


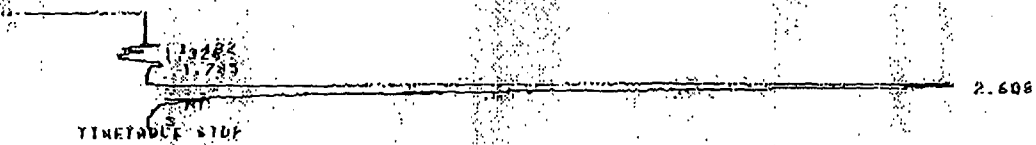
FIGURE 12

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K1	AREA	TYPE	WIDTH	AREA
1.780	166161	PV	.223	5.80946
2.605	2694606	SHB	.126	94.19050

TOTAL AREA=2860166
 MUL FACTOR=1.00000E+00

RUN # 817 JAN 5, 1901 07:20:17
 START



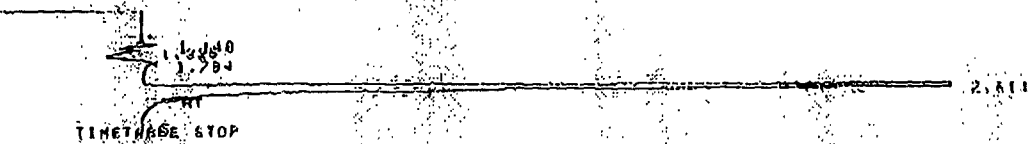
RUN # 817 JAN 5, 1901 07:20:17

AREA

K1	AREA	TYPE	WIDTH	AREA
1.789	238519	PV	.339	4.53665
2.608	3019082	SHB	.141	95.46336

TOTAL AREA=5257600
 MUL FACTOR=1.00000E+00

RUN # 818 JAN 5, 1901 07:20:31
 START



RUN # 818 JAN 5, 1901 07:20:31

AREA

K1	AREA	TYPE	WIDTH	AREA
1.784	267996	PV	.339	5.82945
2.611	4327667	SHB	.137	94.17088

TOTAL AREA=4593562
 MUL FACTOR=1.00000E+00

RUN # 819 JAN 5, 1901 07:22:39
 START

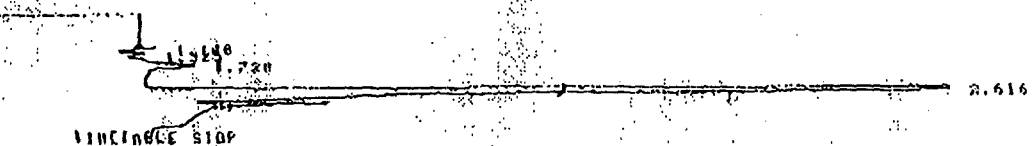
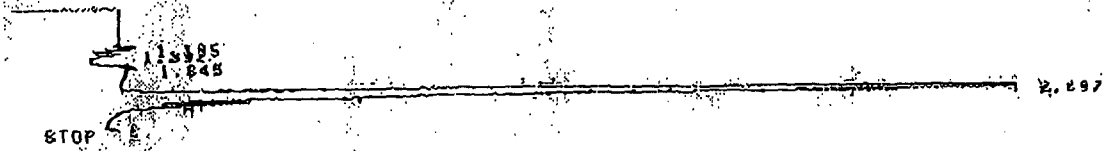


FIGURE 13

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RUN # 811 JAN 5, 1901 06138184
ART

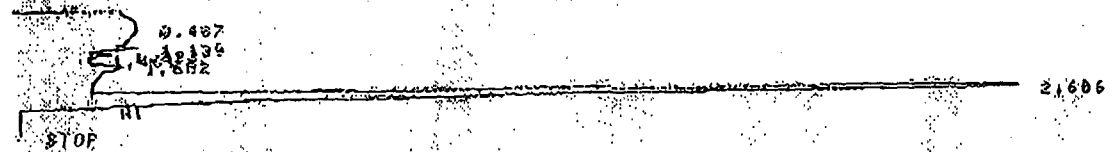


INF 811 JAN 5, 1901 06138184

RT	AREA	TYPE	WIDTH	AREA%
1.845	142605	PV	.207	3.92194
2.297	4429591	SHR	.134	96.07806

TOTAL AREA=4642106
L FACTOR=1.0000E+00

RUN # 812 JAN 5, 1901 06159157
ART

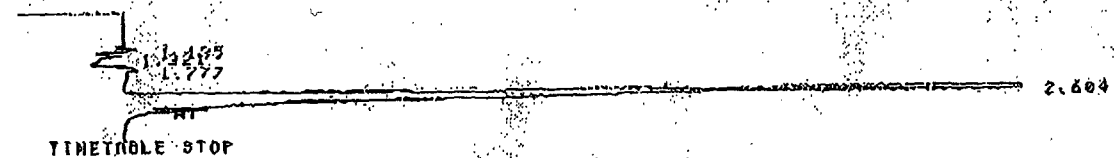


INF 812 JAN 5, 1901 06159157

RT	AREA	TYPE	WIDTH	AREA%
0.407	355398	PV	.430	7.91882
1.602	166166	PV	.263	3.41096
2.606	4336916	SHR	.130	89.26122

TOTAL AREA=4858682
L FACTOR=1.0000E+00

RUN # 813 JAN 5, 1901 07104111
ART



TIMEABLE STOP

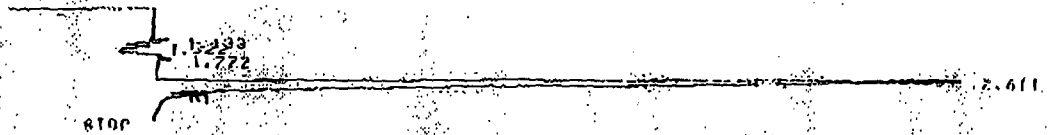
FIGURE 14

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1.770 300725 PV .363 3.72075
2.610 3080929 SHD .147 97.27129

TOTAL AREA=5999030
MUL FACTOR=1.0000100

* RUN # 029 JAN 5, 1991 08125112
START



RUN# 029 JAN 5, 1991 08125112

AREA#

KT	AREA TYPE	WIDTH	AREA#
1.770	211332	PV .249	3.24499
2.610	3813215	VD .152	31.75501

TOTAL AREA=4025597
MUL FACTOR=1.0000E+00

* RUN # 030 JAN 5, 1991 08129115
START



RUN# 030 JAN 5, 1991 08129115

AREA#

KT	AREA TYPE	WIDTH	AREA#
2.895	3880618	VD .139	100.00000

TOTAL AREA=3580618
MUL FACTOR=1.0000E+00

* RUN # 031 JAN 5, 1991 08133125
START

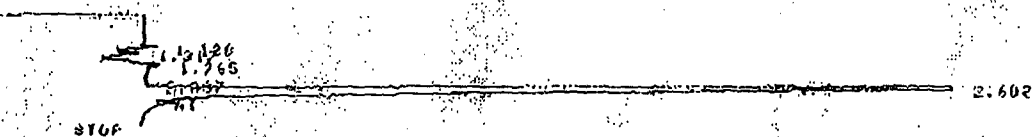
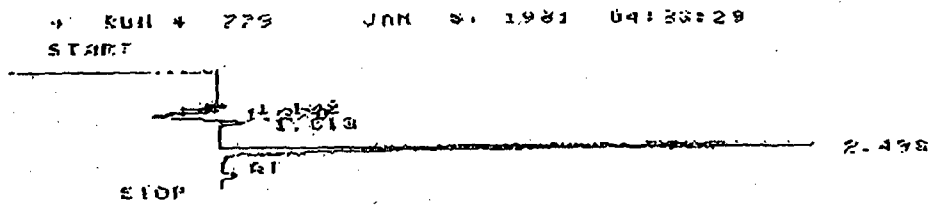


FIGURE 15

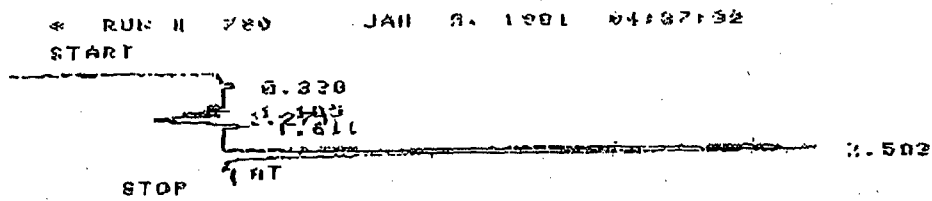
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RUN# 779 JAN 5, 1991 04:33:29

AREA#	RT	AREA	TYPE	WIDTH	AREA%
1	1.613	114478	PE	.135	11.75661
2	2.498	250252	PE	.114	58.24339

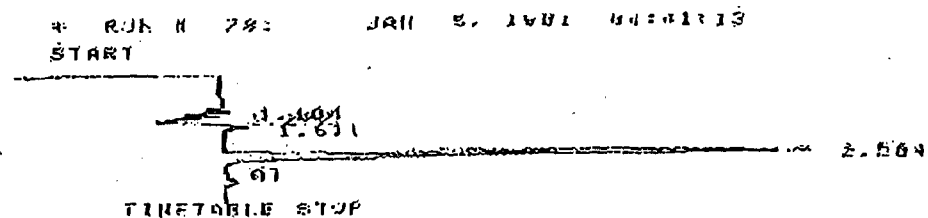
TOTAL AREA=379730
MUL FACTOR=1.0000E+00



RUN# 780 JAN 5, 1991 04:37:32

AREA#	RT	AREA	TYPE	WIDTH	AREA%
1	1.611	144568	PE	.100	14.42424
2	2.502	657648	PE	.114	85.57517

TOTAL AREA=1002216
MUL FACTOR=1.0000E+00



RUN# 781 JAN 5, 1991 04:41:13

FIGURE 16

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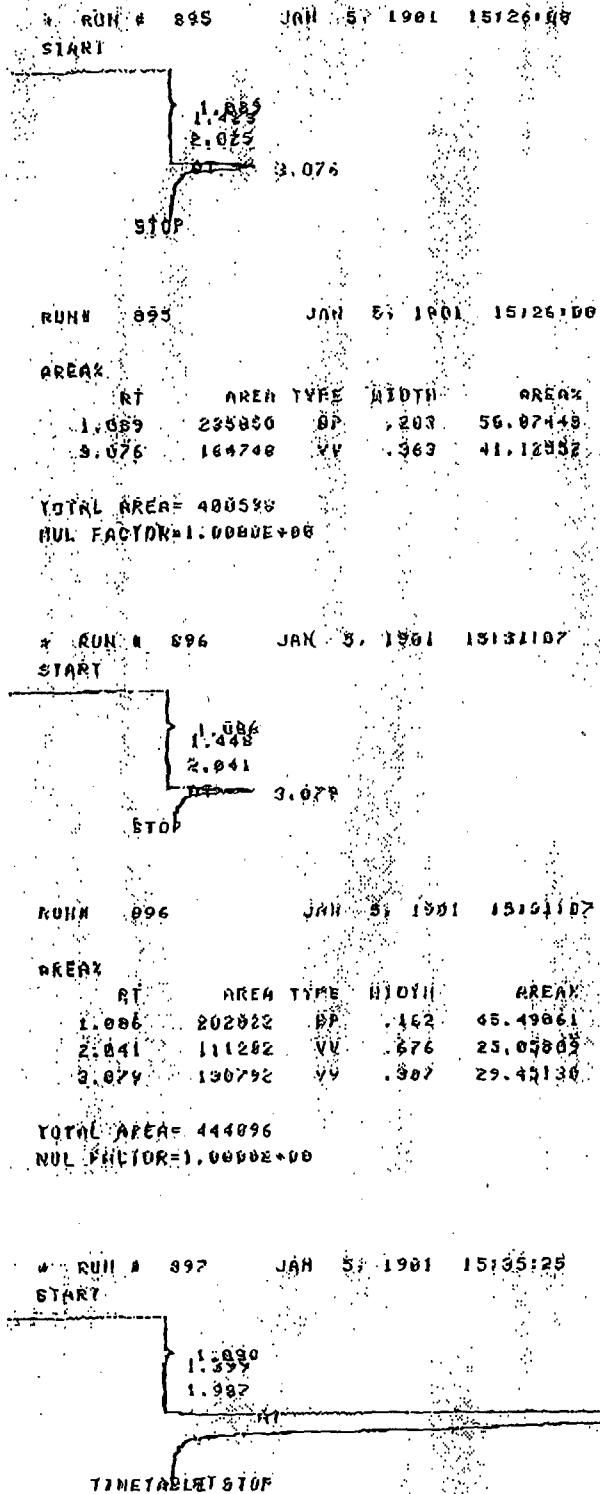
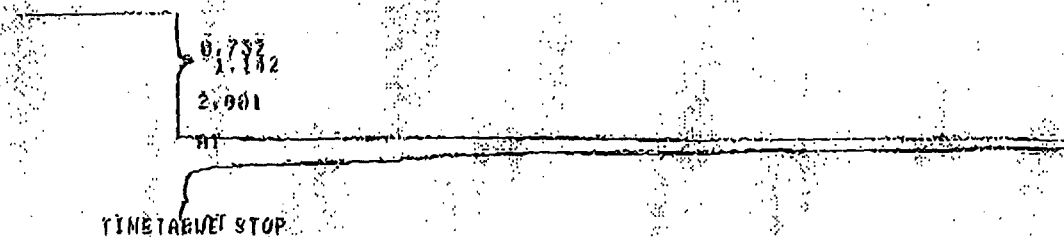


FIGURE 17

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RUN# 919 JAN 5, 1991 17:56:01

AREA#

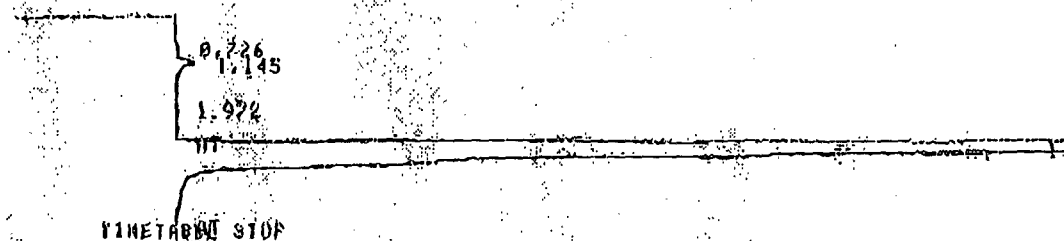
RT	AREA TYPE	WIDTH	AREA#
1.142	470349 VP	.210	14.14412
3.160	2050690 PB	.261	85.83587

TOTAL AREA=3329638

MUL FACTOR=1.0000E+00

RUN# 920 JAN 5, 1991 18:01:14

START



RUN# 920 JAN 5, 1991 18:01:14

AREA#

RT	AREA TYPE	WIDTH	AREA#
1.145	510617 VP	.202	13.35912
3.172	3363504 PB	.200	86.64088

TOTAL AREA=9992122

MUL FACTOR=1.0000E+00

FIGURE 18

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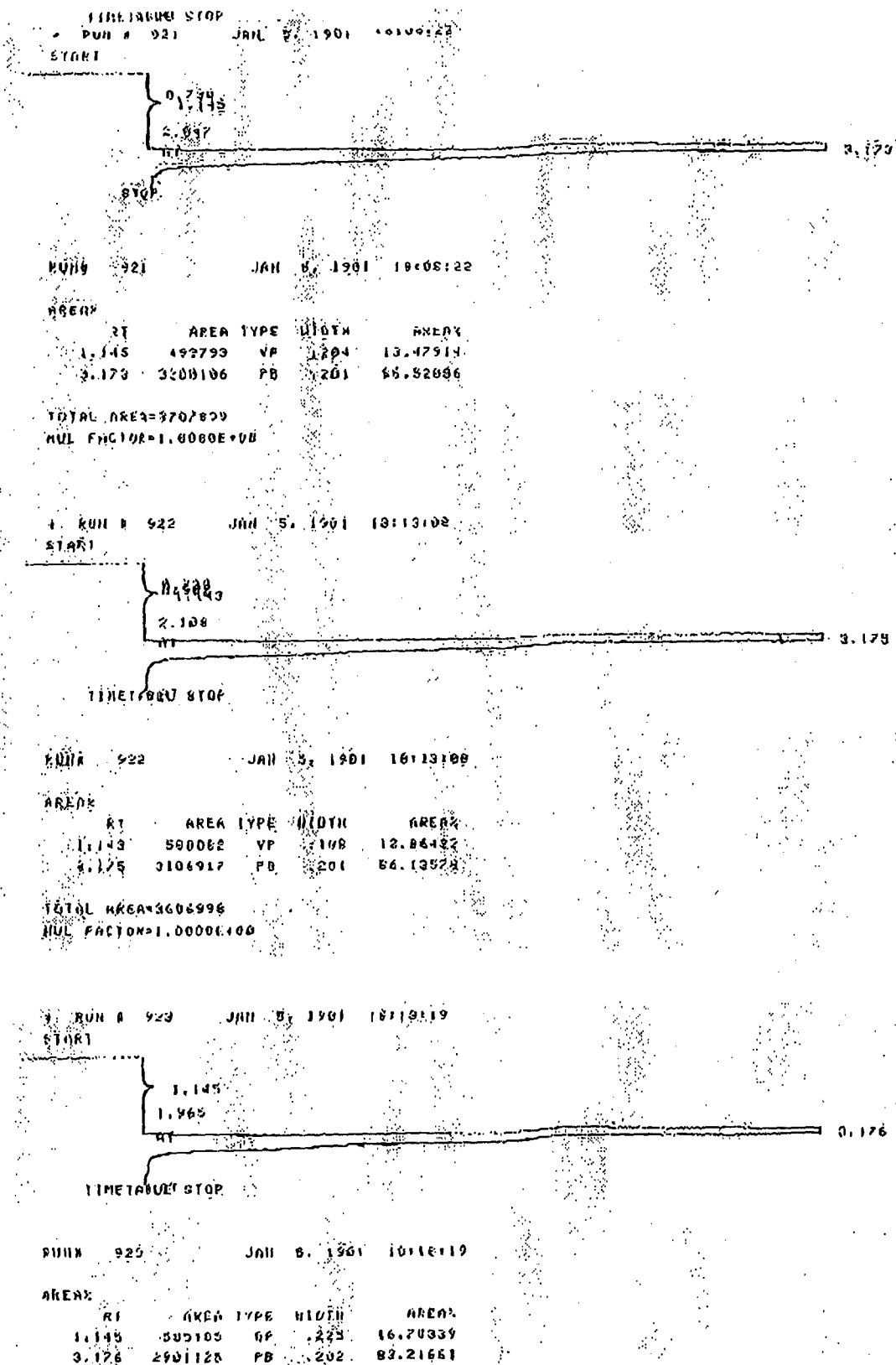
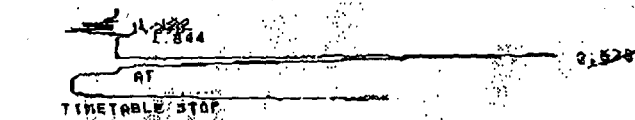


FIGURE 19

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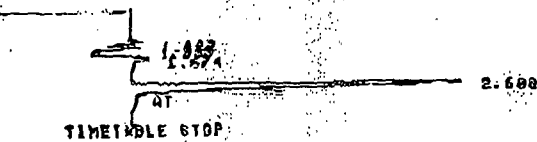


RUN 844 JAN 5, 1981 18:19:23

AREA	RT	AREA TYPE	WIDTH	AREA
1.844	247434	PV	219	18.10421
2.578	1119287	VB	181	81.99578

TOTAL AREA=1966721
MUL FACTOR=1.0000E+00

RUN 850 JAN 5, 1981 18:24:53
START

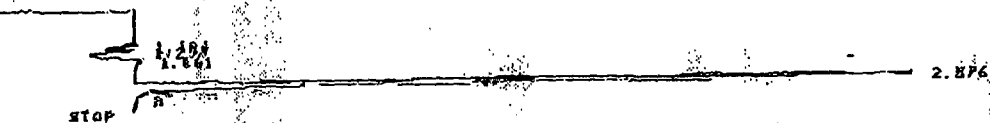


RUN 850 JAN 5, 1981 18:24:53

AREA	RT	AREA TYPE	WIDTH	AREA
1.874	221032	PV	220	17.25644
2.600	1056258	VB	141	82.76396

TOTAL AREA=1277928
MUL FACTOR=1.0000E+00

RUN 851 JAN 5, 1981 18:29:36
START



RUN 851 JAN 5, 1981 18:29:36

AREA	RT	AREA TYPE	WIDTH	AREA
2.876	2077768	PB	123	186.00688

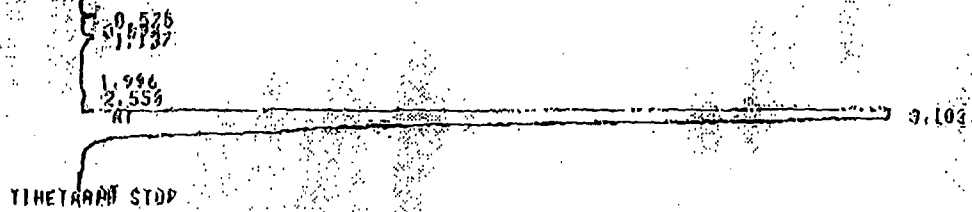
TOTAL AREA=2577768
MUL FACTOR=1.0000E+00

RUN 852 JAN 5, 1981 18:33:14
START

FIGURE 20

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START



RUN# 933 JAN 5, 1901 19131139

AREA#

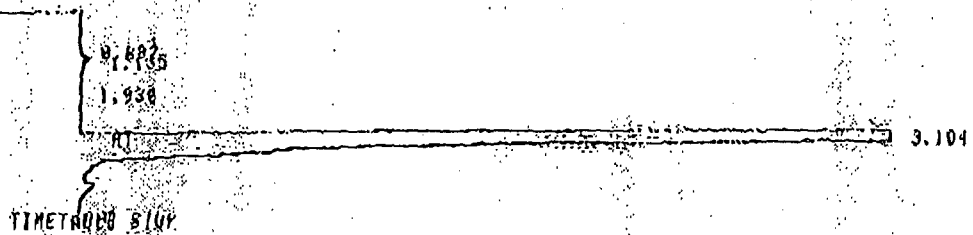
RT	AREA TYPE	WIDTH	AREA#
.526	202876	PP	.694
.854	110730	PV	.206
1.137	449604	VV	.207
1.996	207194	VV	.228
3.103	5921573	VB	.197

TOTAL AREA=4920675

NUL FACTOR=1.0000E+00

RUN# 934 JAN 5, 1901 19136153

START



RUN# 934 JAN 5, 1901 19136153

AREA#

RT	AREA TYPE	WIDTH	AREA#
1.135	312164	VP	.169
3.104	2709222	VB	.197

TOTAL AREA=3221386

NUL FACTOR=1.0000E+00

FIGURE 21

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RUN# 935 JAN 5, 1981 19:43:35

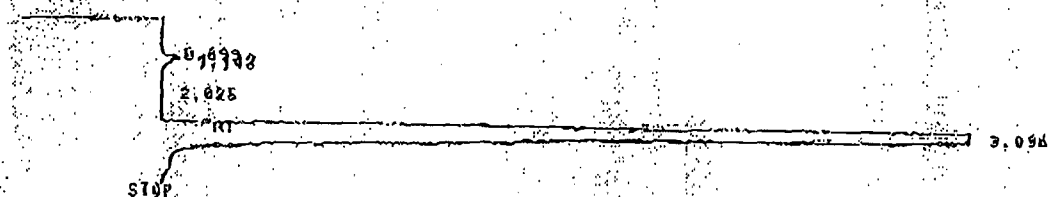
AREAK

RT	AREA TYPE	WIDTH	AREAX
1.146	391487	VP	.178 7724865
3.164	3005341	VB	.197 92178198

TOTAL AREA=5400626
MUL FACTOR=1.0000E+00

* RUN # 936 JAN 5, 1981 19:49:17

START



RUN# 936 JAN 5, 1981 19:49:17

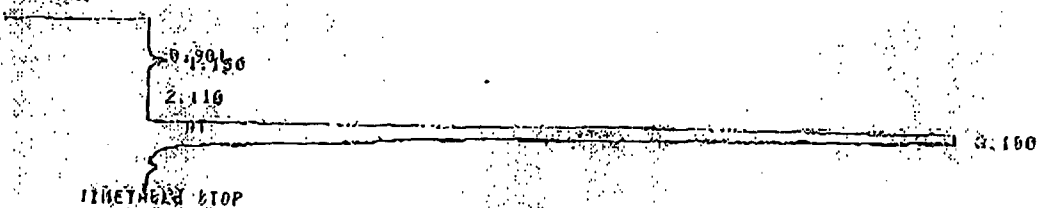
AREAX

RT	AREA TYPE	WIDTH	AREAX
1.148	522523	VP	.148 8.26783
3.096	5782176	VB	.195 91.71216

TOTAL AREA=6304698
MUL FACTOR=1.0000E+00

* RUN # 937 JAN 5, 1981 19:54:20

START



RUN# 937 JAN 5, 1981 19:54:20

AREAX

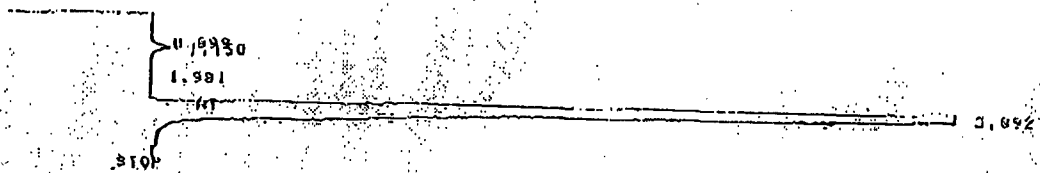
RT	AREA TYPE	WIDTH	AREAX
1.150	600228	VP	.198 13.59019
3.100	3816460	VB	.280 86.46982

TOTAL AREA=4416627
MUL FACTOR=1.0000E+00

FIGURE 22

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V RUN # 930 JAN 5. 1961 19:59:53
START



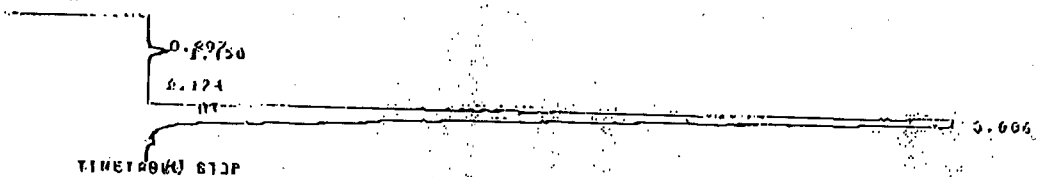
RUN# 930 JAN 5. 1961 19:59:53

AREA%

RT	AREA TYPE	WIDTH	AREA%
1.150	338231	VB	.164
3.092	3997618	VB	.198

TOTAL AREA=1497350
MUL FACTOR=1.000E+00

I RUN # 939 JAN 5. 1961 20:05:03
START



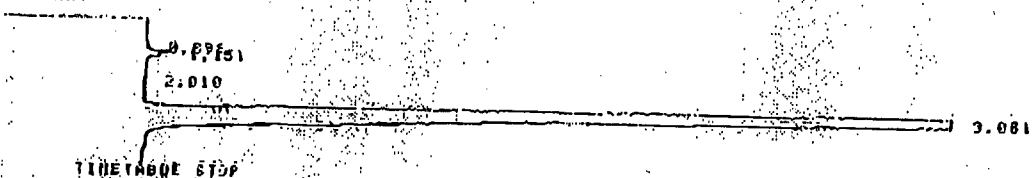
RUN# 939 JAN 5. 1961 20:05:03

AREA%

RT	AREA TYPE	WIDTH	AREA%
1.150	616655	VP	.193
3.006	3728158	VB	.197

TOTAL AREA=1344813
MUL FACTOR=1.000E+00

I RUN # 940 JAN 5. 1961 20:10:13
START



RUN# 940 JAN 5. 1961 20:10:13

AREA%

RT	AREA TYPE	WIDTH	AREA%
1.151	657117	VP	.167
4.081	4807360	VB	.196

FIGURE 23

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STOP

RUN 4 052 JAN 5, 1991 10:23:14

AREA

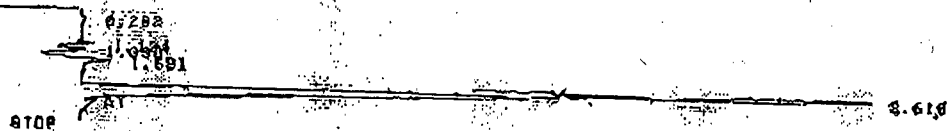
RT	AREA TYPE	WIDTH	AREA
1.661	121424	PA	262
1.877	2889708	PA	122

TOTAL AREA=8811.22

MUL FACTOR=1.0000E+00

* RUN 4 053 JAN 5, 1991 10:27:23

START



RUN 4 054 JAN 5, 1991 10:27:29

AREA

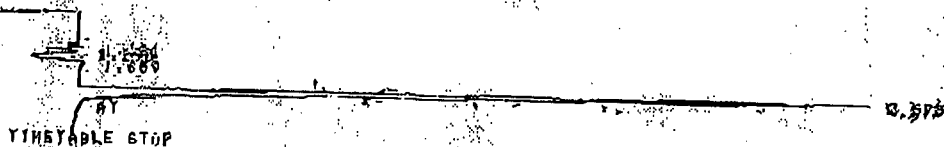
RT	AREA TYPE	WIDTH	AREA
1.282	166424	BV	985
1.681	277920	PA	231
2.618	2847080	PA	151

TOTAL AREA=3321703

MUL FACTOR=1.0000E+00

* RUN 5 051 JAN 5, 1991 10:41:40

START



RUN 5 054 JAN 5, 1991 10:41:48

AREA

RT	AREA TYPE	WIDTH	AREA
2.373	2102354	PA	126

TOTAL AREA=2152354

MUL FACTOR=1.0000E+00

* RUN 5 055 JAN 5, 1991 10:45:24

START

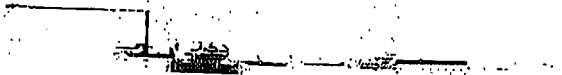


FIGURE 24

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949 JAN 5, 1901 21:00:01

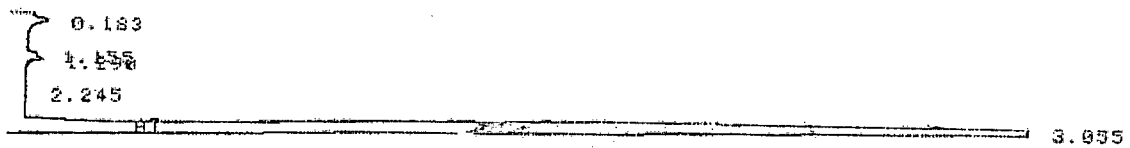


TABLE STOP

49 JAN 5, 1901 21:00:01

AREA	TYPE	WIDTH	AREA%
246967	PV	.143	6.13878
286206	VP	.127	7.11413
163426	PV	.378	4.06223
3326464	VB	.208	82.68486

EA=4023062
OR=1.0000E+00

950 JAN 5, 1901 21:05:23

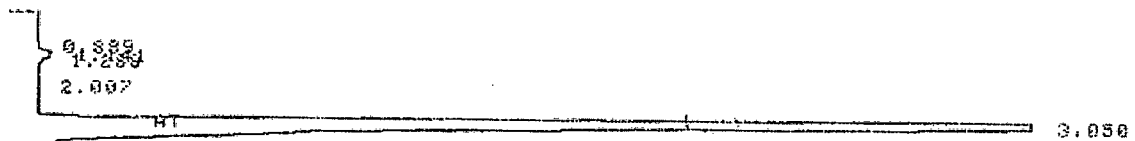


TABLE STOP

950 JAN 5, 1901 21:05:23

AREA	TYPE	WIDTH	AREA%
284661	VV	.153	7.57027
165060	VP	.129	4.38960
3310528	PB	.201	88.04013

EA=3760250
OR=1.0000E+00

951 JAN 5, 1901 21:11:07

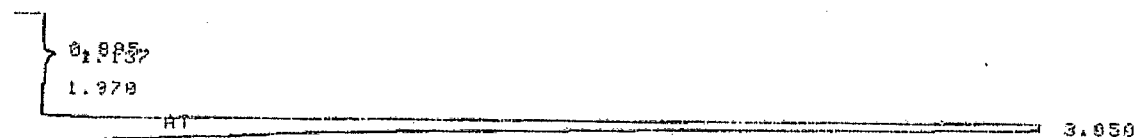
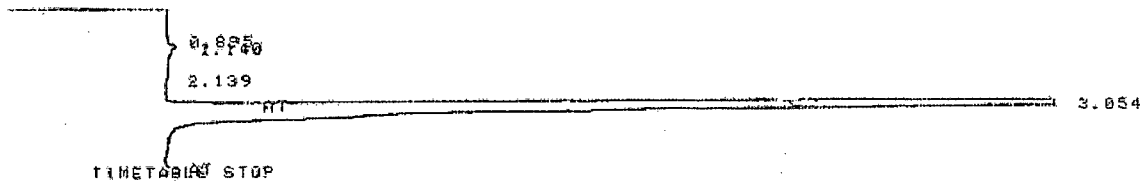


TABLE STOP

FIGURE 25

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* RUN # 952 JAN 5, 1901 21:16:29
START



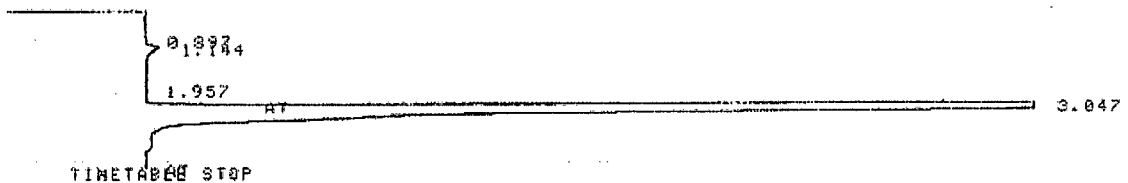
RUN# 952 JAN 5, 1901 21:16:29

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.140	206049	VP	.182	8.30387
3.054	3158650	VB	.202	91.69610

TOTAL AREA=3444693
MUL FACTOR=1.0000E+00

* RUN # 953 JAN 5, 1901 21:22:01
START



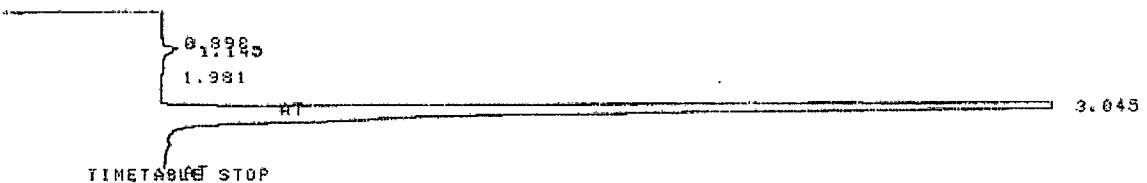
RUN# 953 JAN 5, 1901 21:22:01

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.144	415932	VP	.201	10.24880
3.047	3642414	PB	.204	89.75120

TOTAL AREA=4038346
MUL FACTOR=1.0000E+00

* RUN # 954 JAN 5, 1901 21:27:35
START



RUN# 954 JAN 5, 1901 21:27:35

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.145	446397	VP	.199	11.39919
3.043	3462645	PB	.196	88.60080

TOTAL AREA=3916042

FIGURE 26

SUBSTITUTE SHEET (RULE 26)

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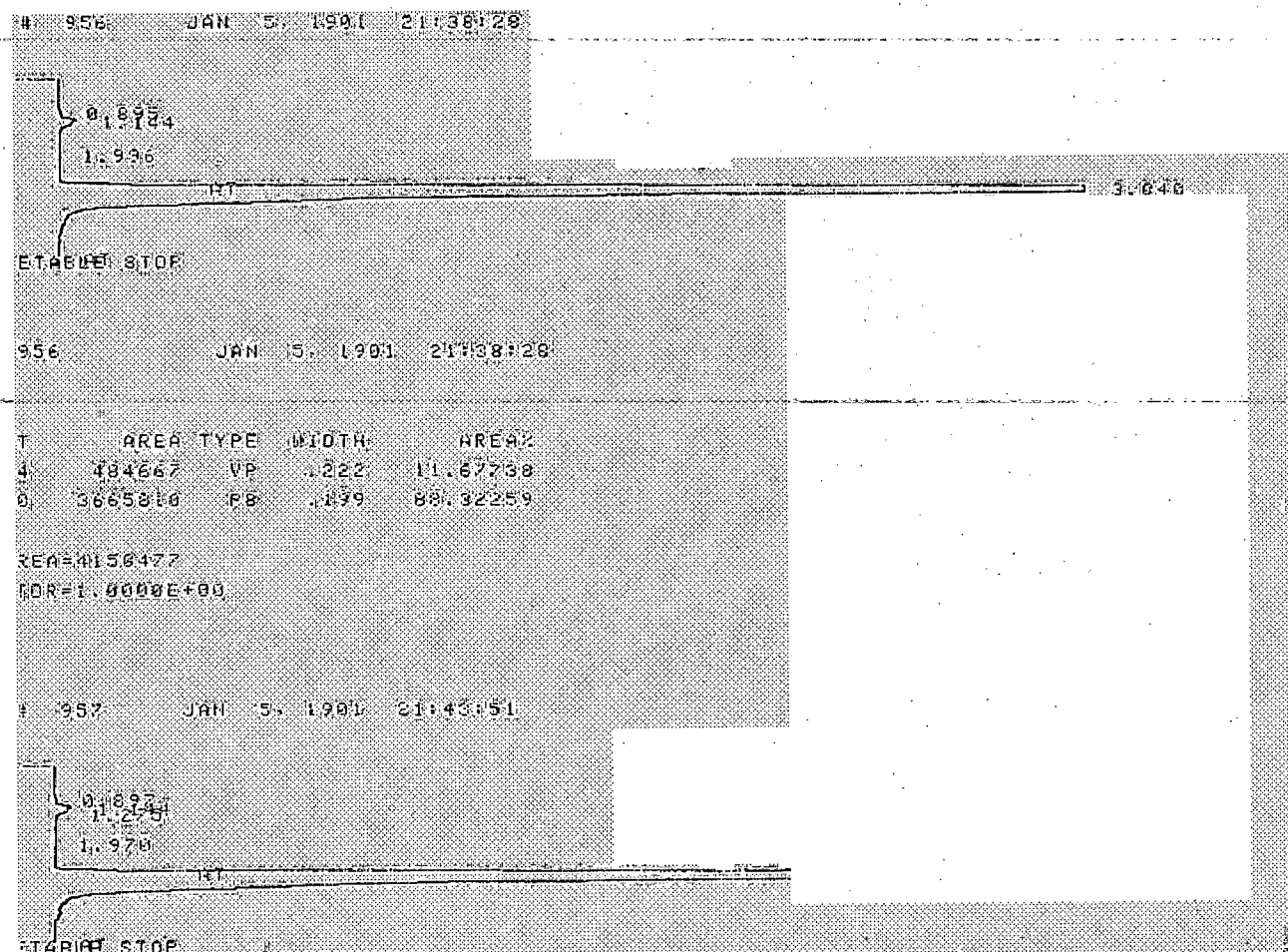
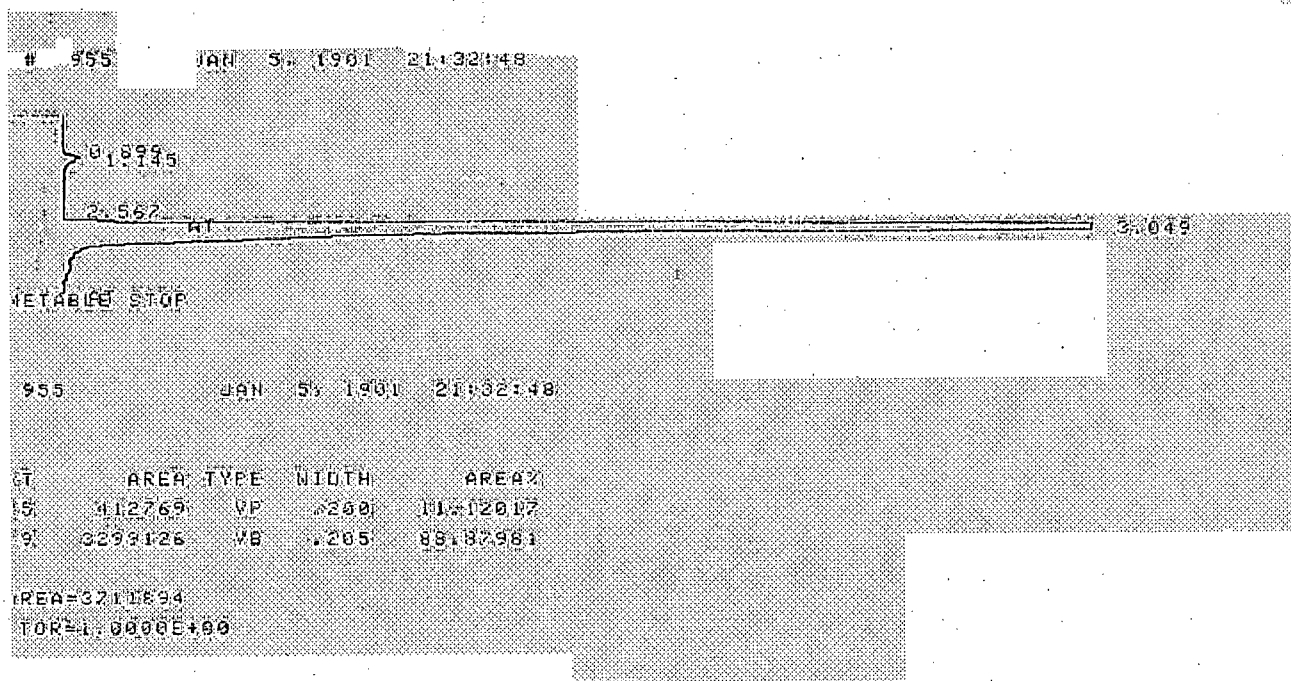
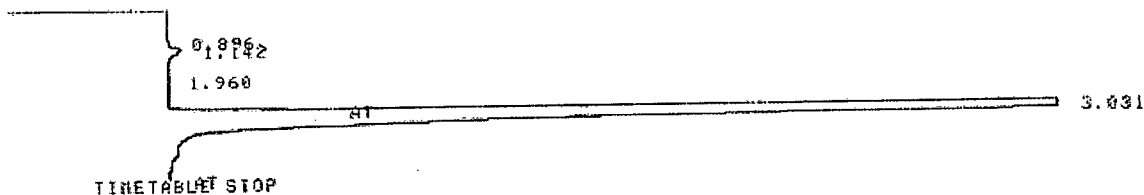


FIGURE 27

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* RUN # 959 JAN 5, 1901 21:49:04
START

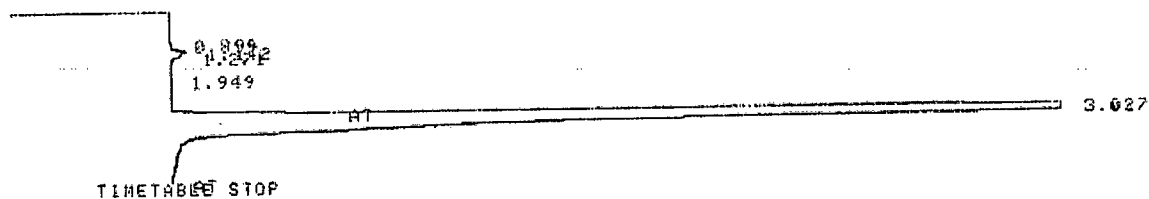


RUN# 959 JAN 5, 1901 21:49:04

RT	AREA	TYPE	WIDTH	AREA%
1.142	445618	VP	.213	9.46781
3.031	4016827	PB	.198	91.53219

TOTAL AREA=5262493
MUL FACTOR=1.0000E+00

* RUN # 959 JAN 5, 1901 21:54:57
START



RUN# 959 JAN 5, 1901 21:54:57

RT	AREA	TYPE	WIDTH	AREA%
1.142	305011	VV	.131	6.01124
1.271	202659	VP	.125	3.99406
3.027	4566346	PB	.197	89.99469

TOTAL AREA=5074013
MUL FACTOR=1.0000E+00

* RUN # 960 JAN 5, 1901 22:00:53
START

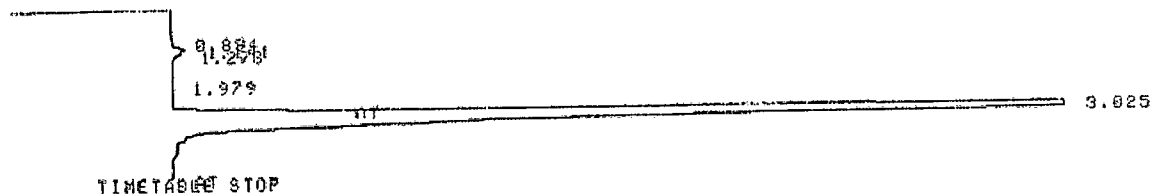


FIGURE 28

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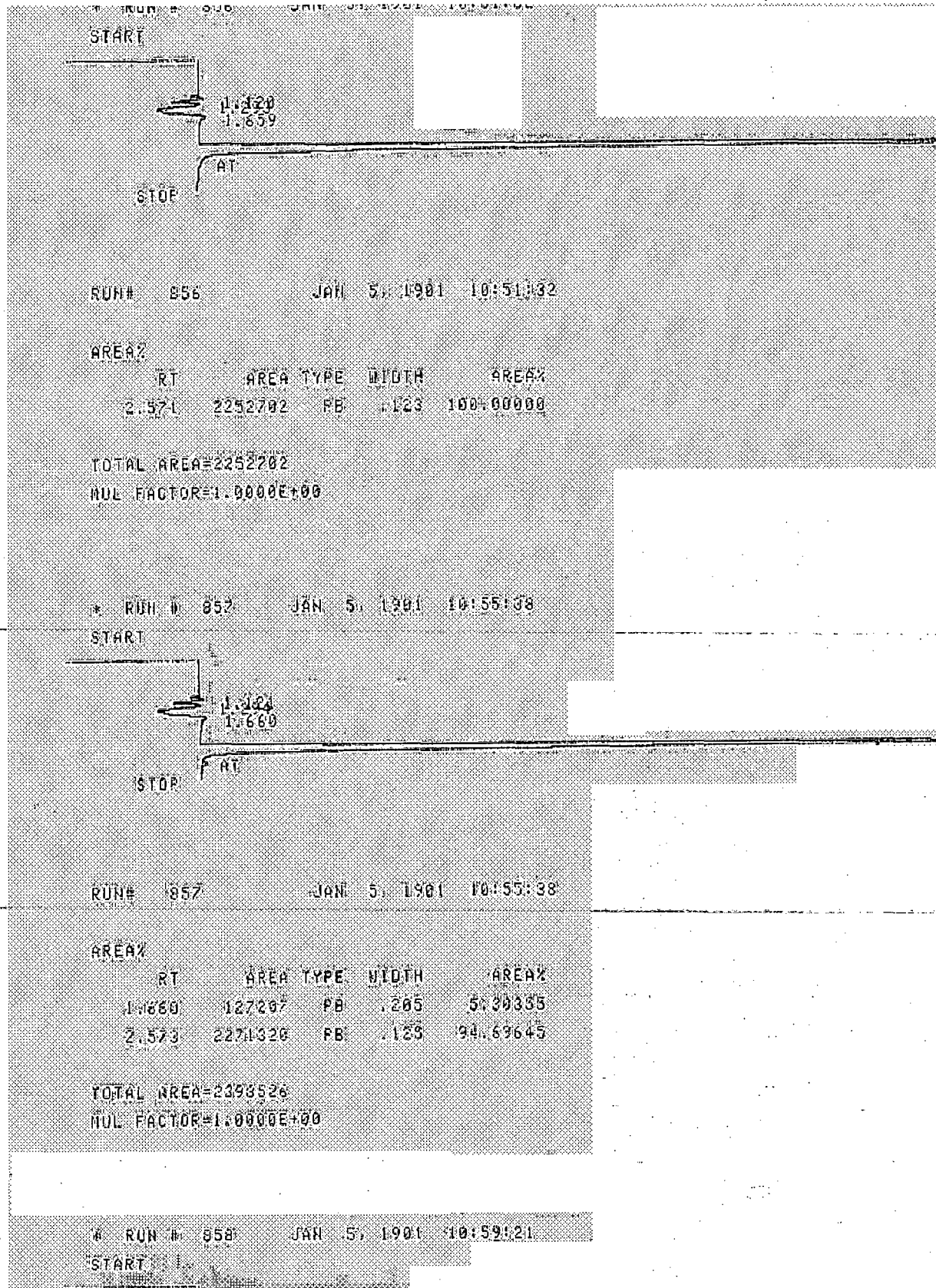
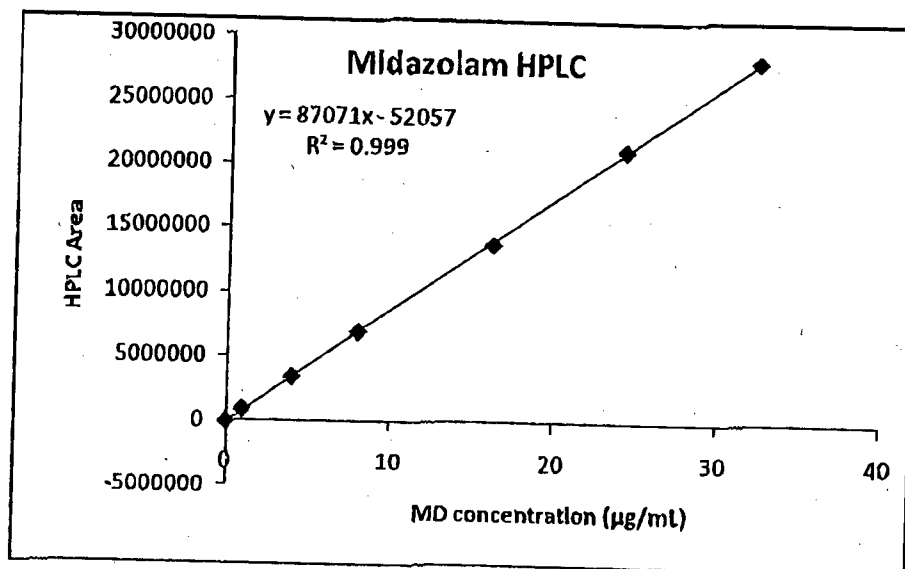


FIGURE 29

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**FIGURE 30**

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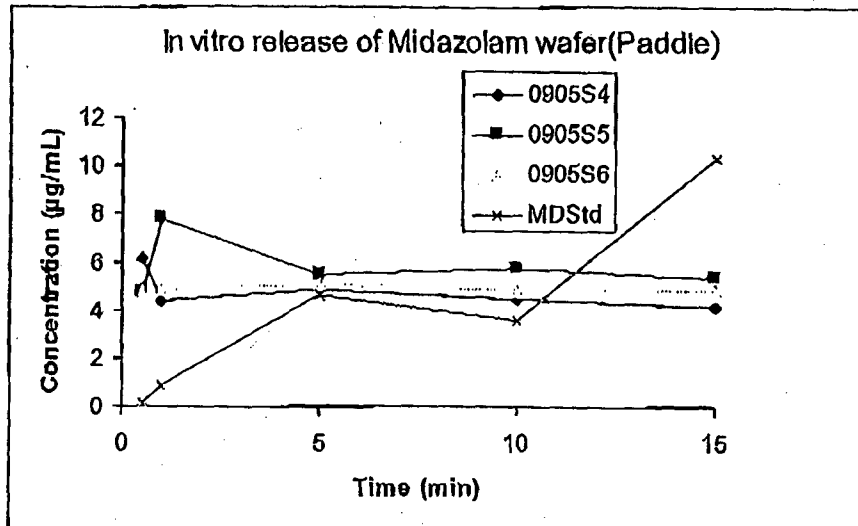
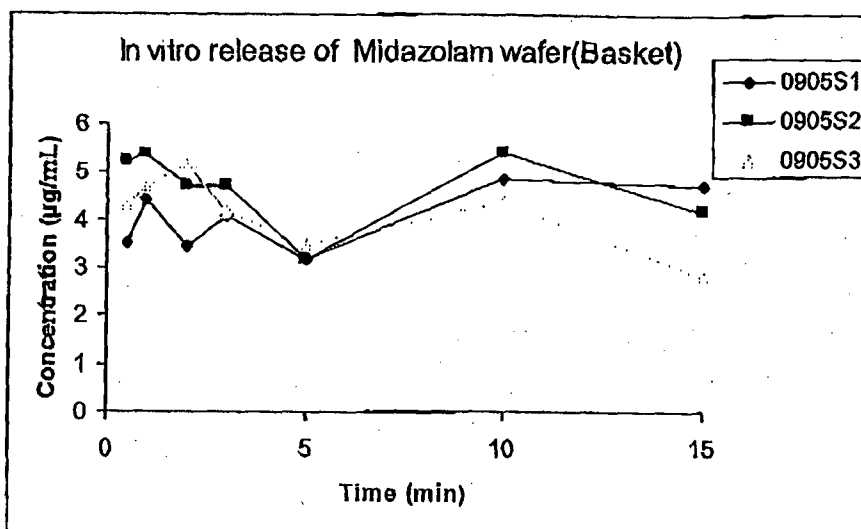
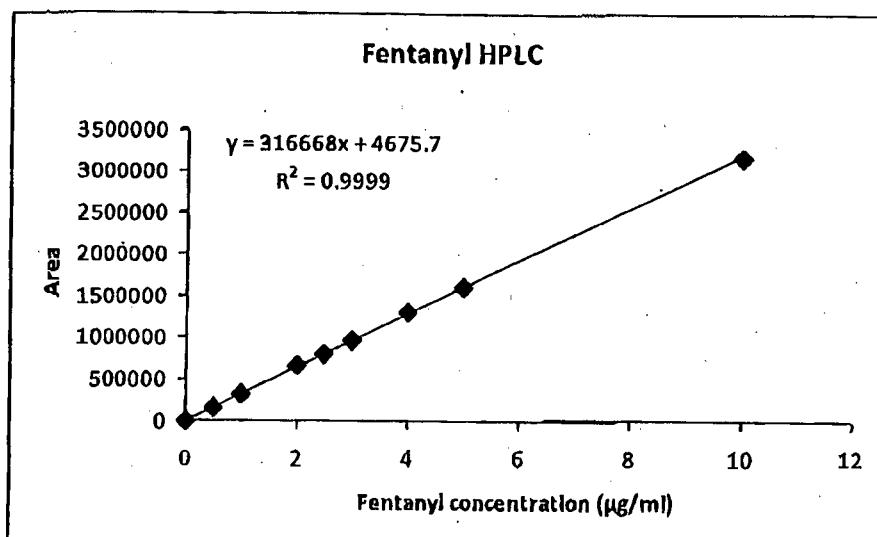
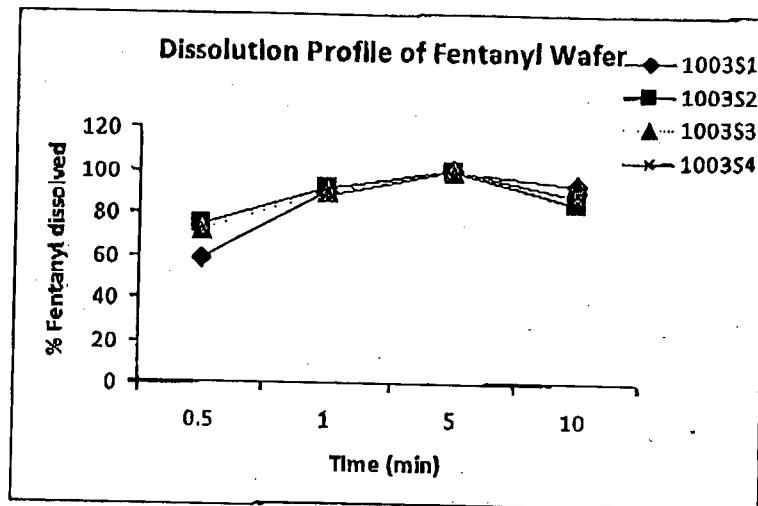


FIGURE 31

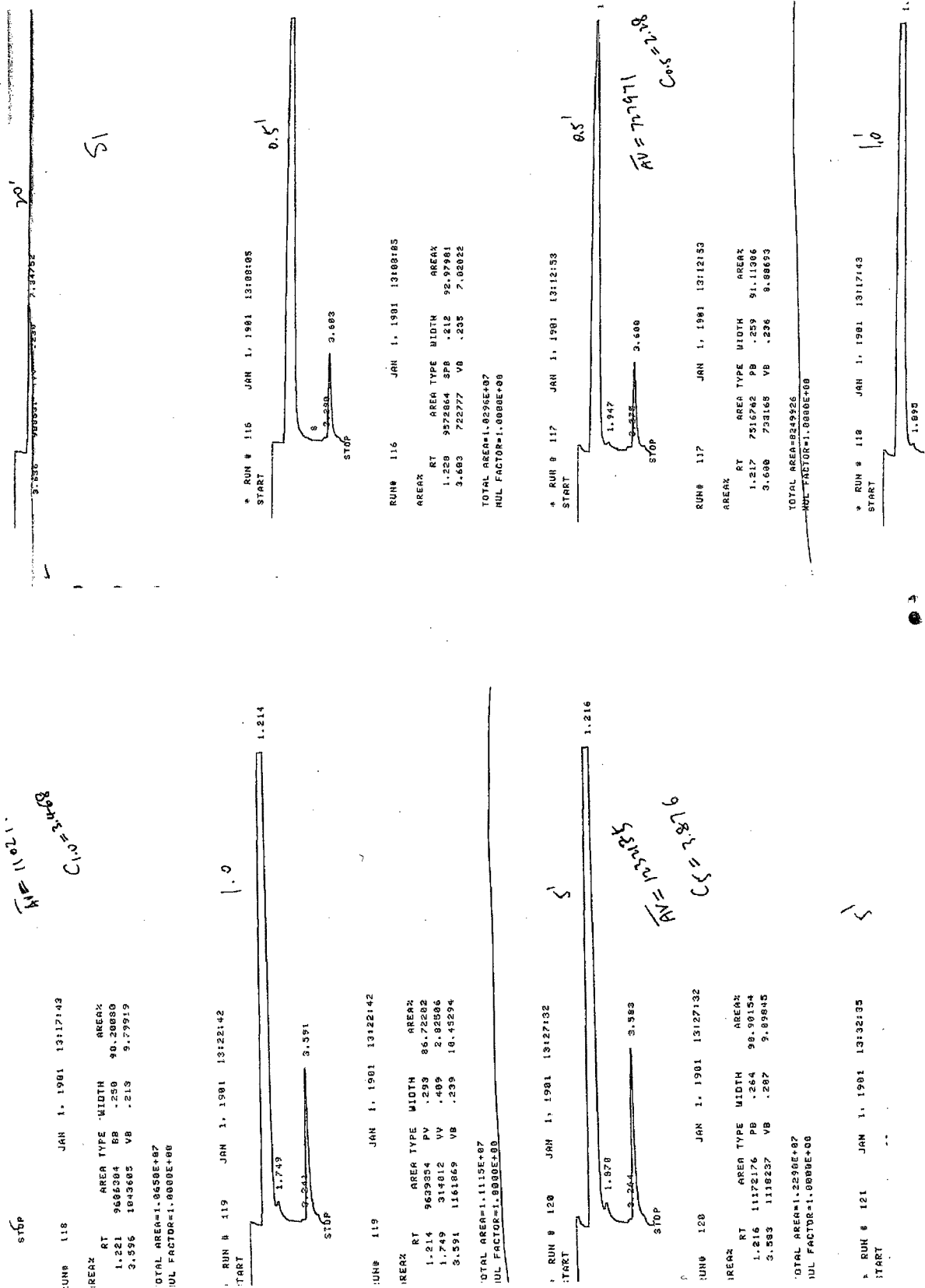
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**FIGURE 32**

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**FIGURE 33**

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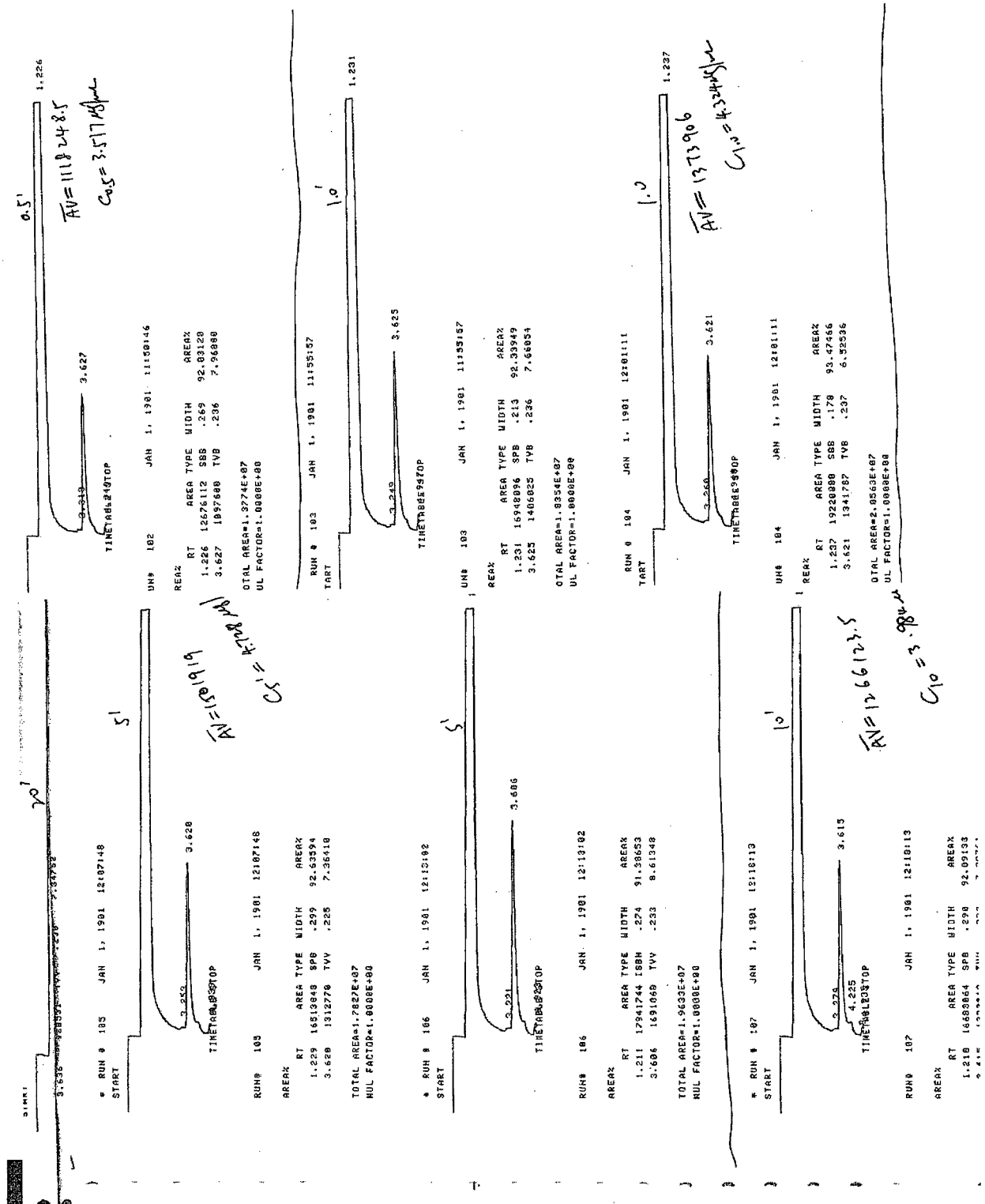


Figure 34C

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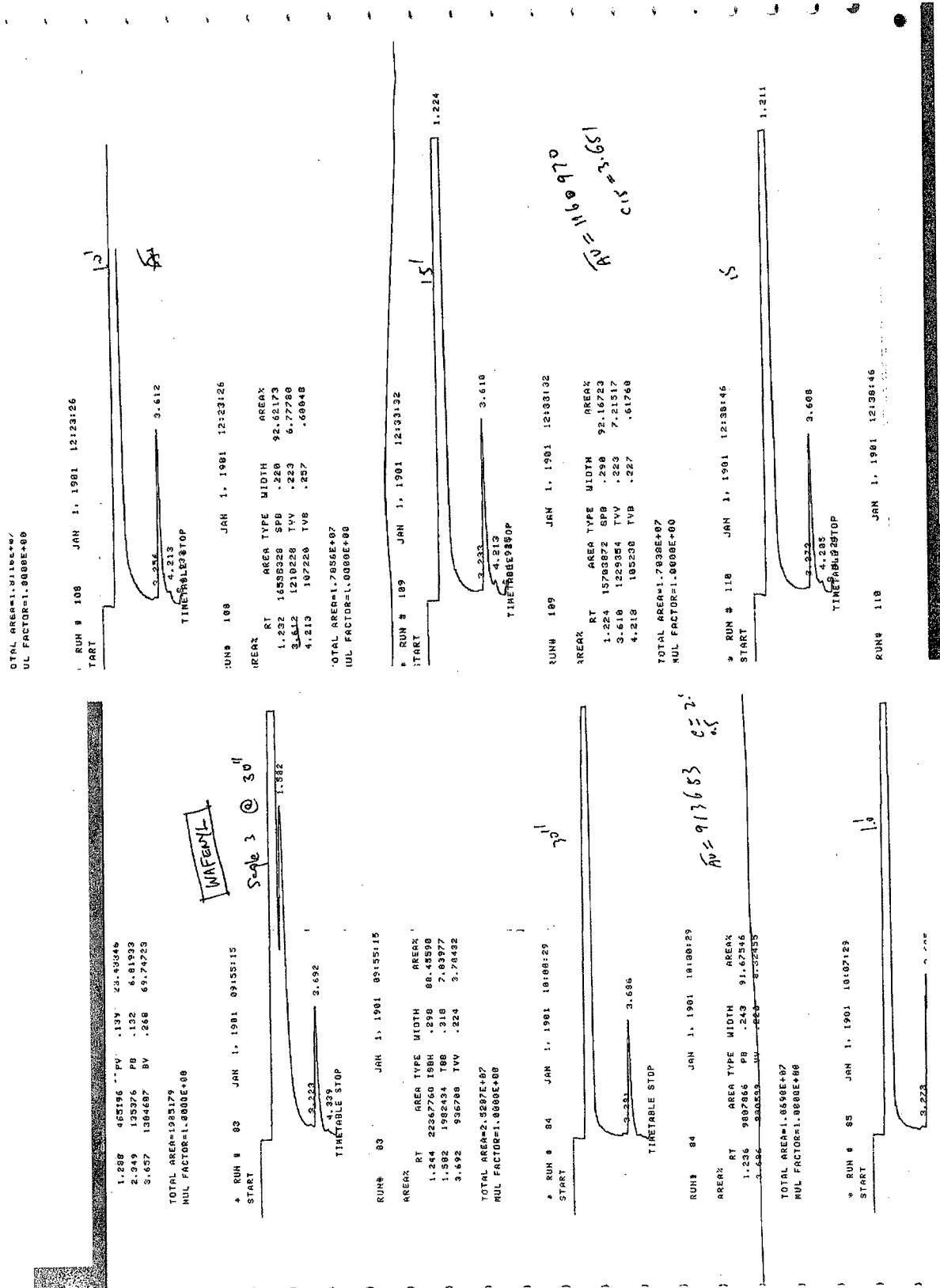


Figure 34D

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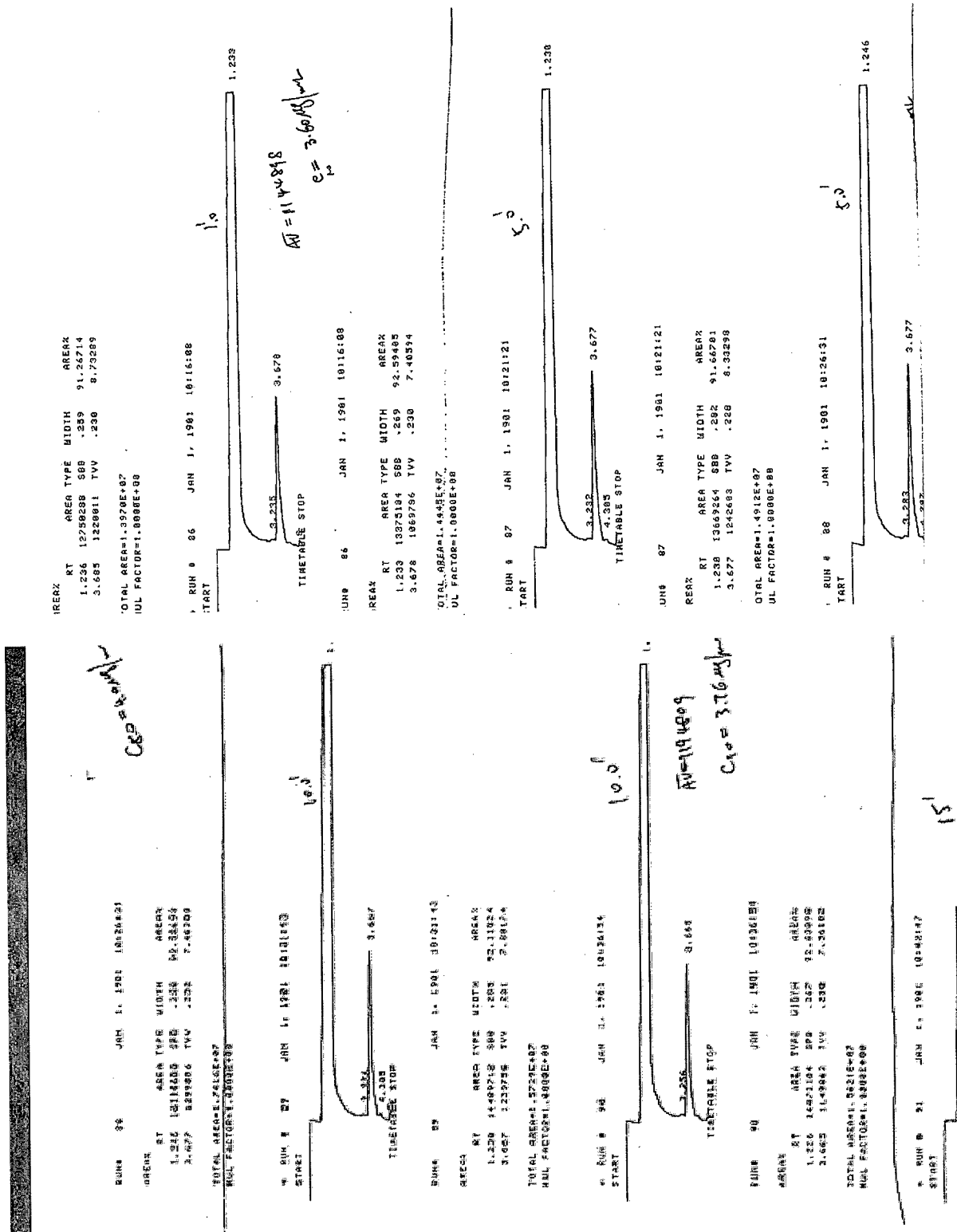


Figure 34E

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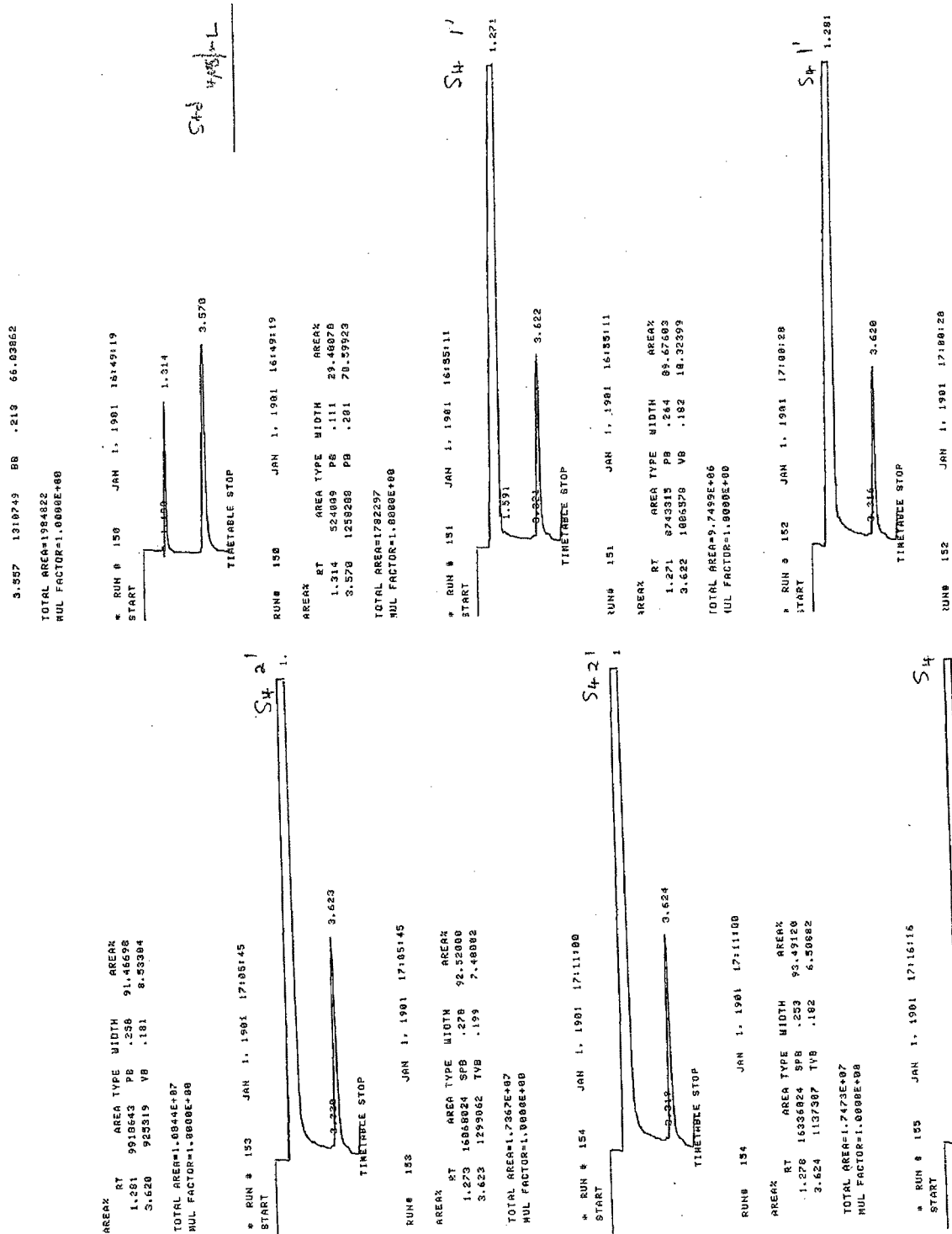


Figure 35A

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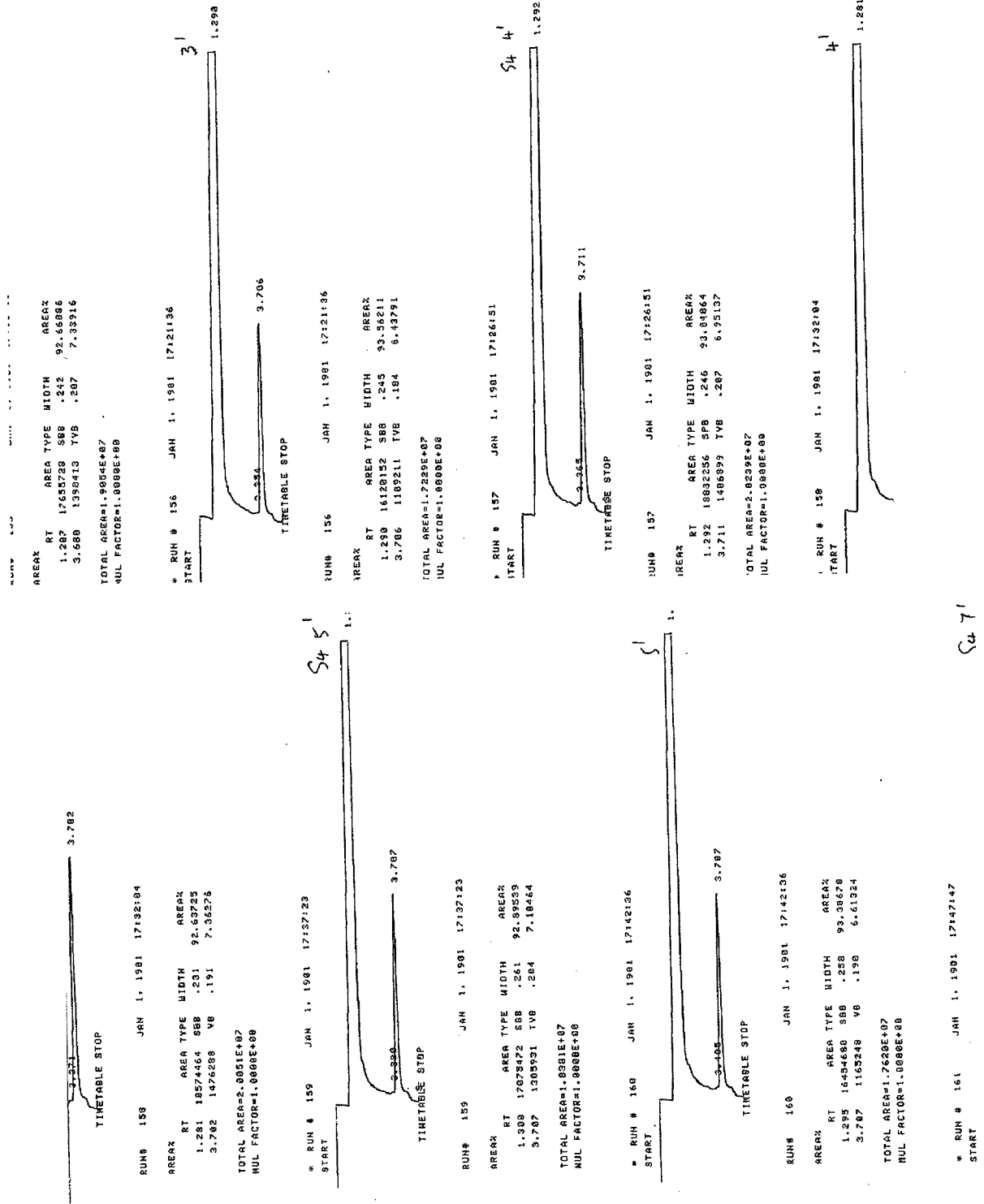


Figure 35B

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FIGURE 35 C

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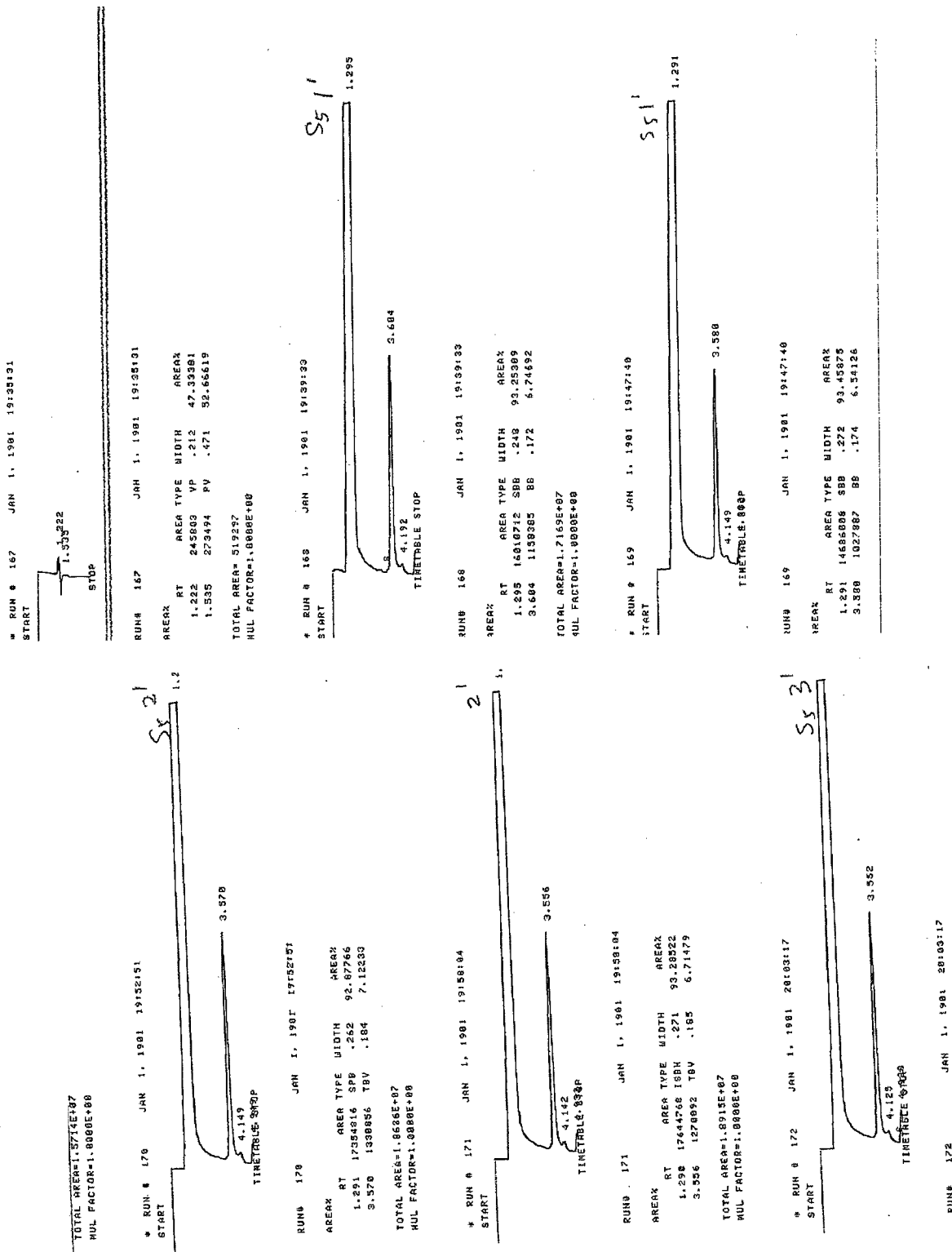


FIGURE 35 D

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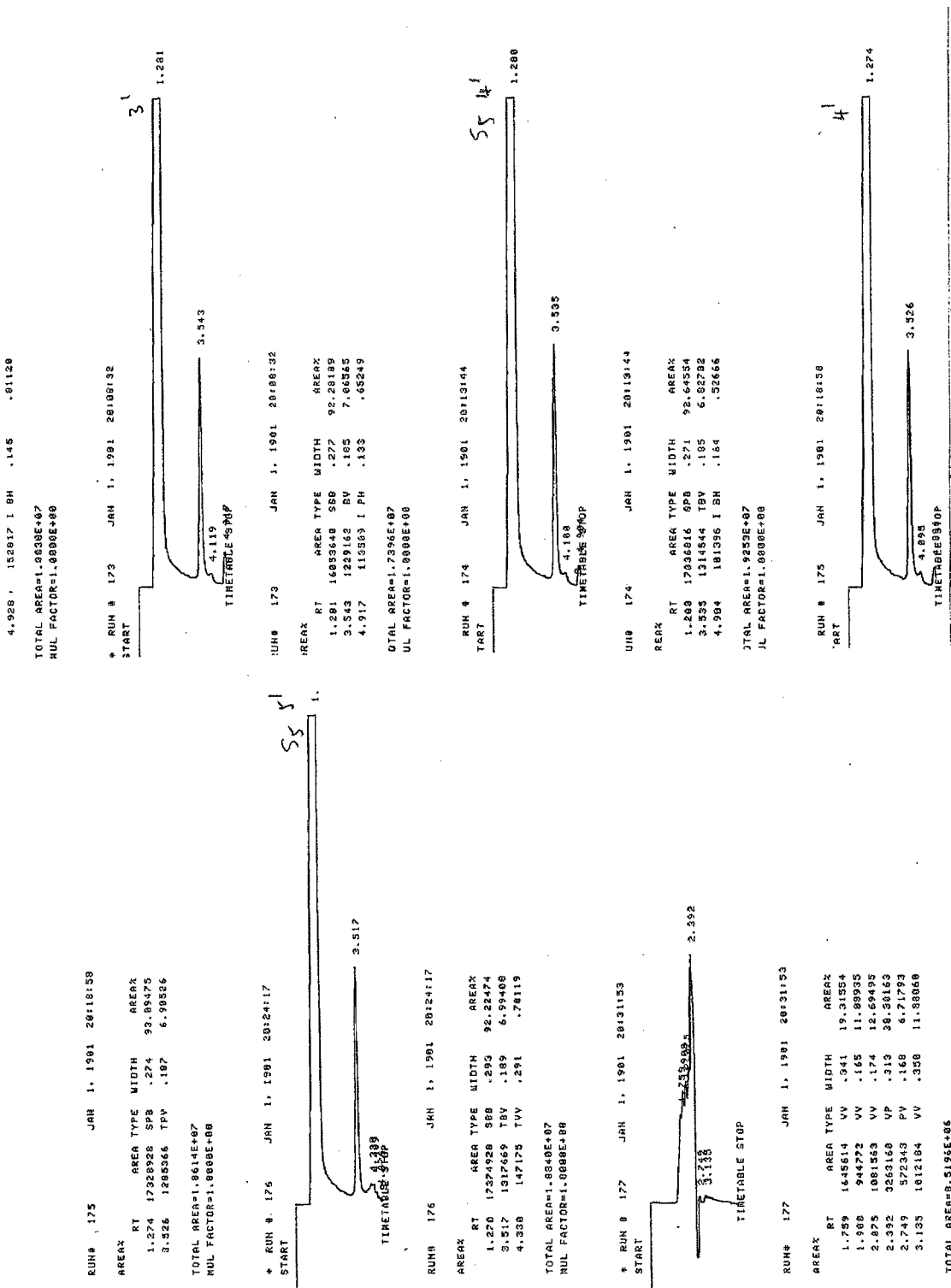


FIGURE 35E

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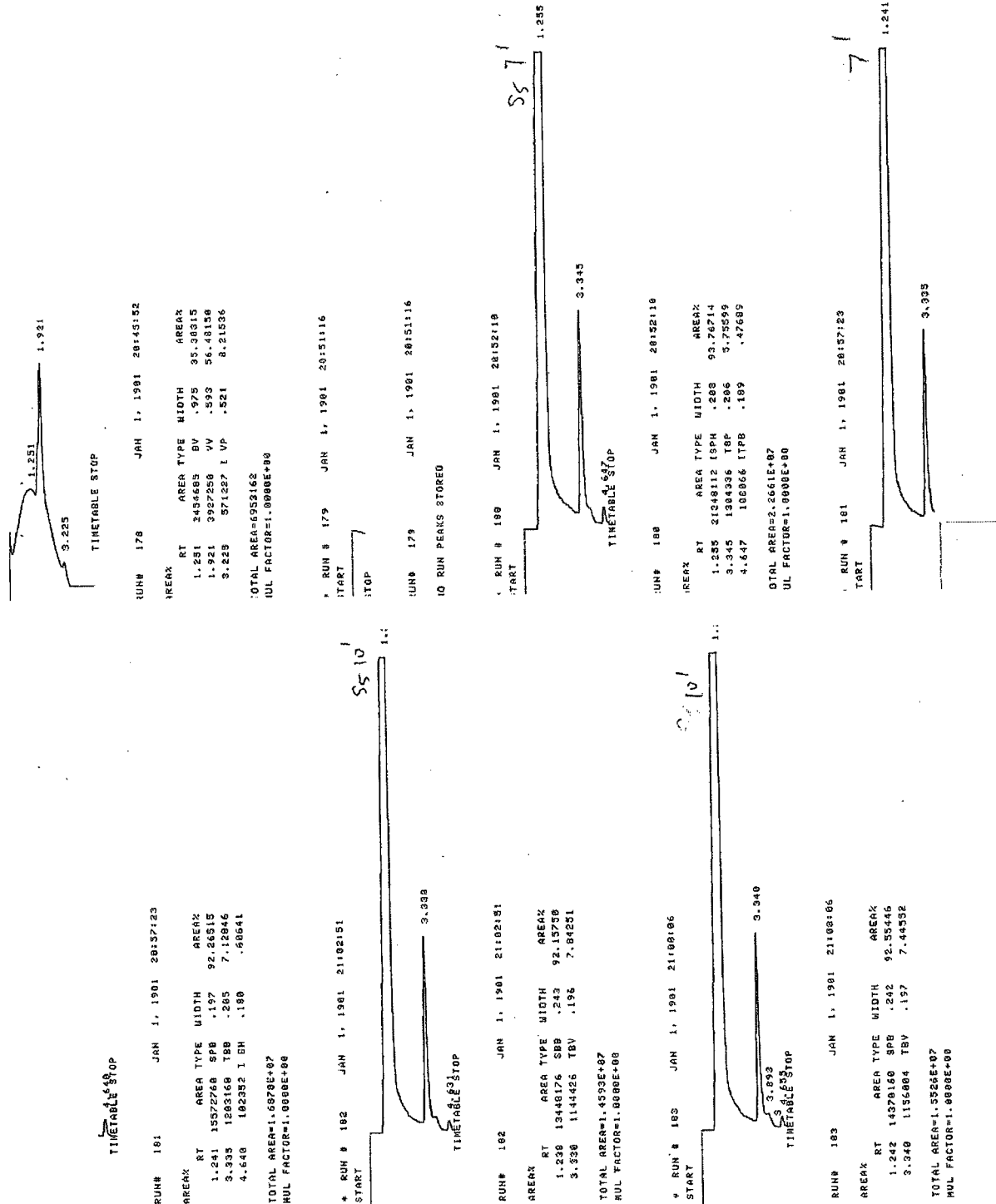


FIGURE 35 F

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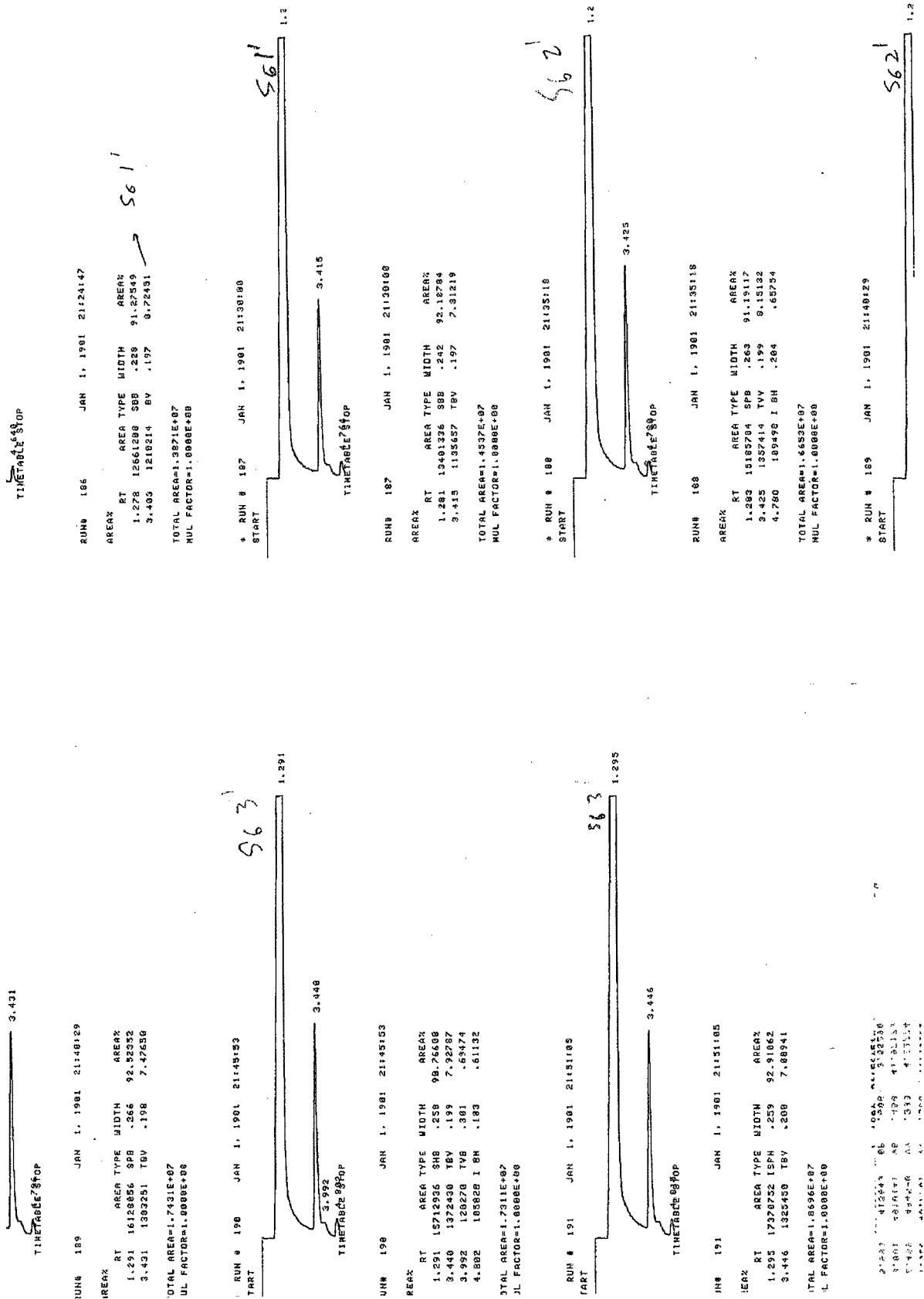


FIGURE 35 G

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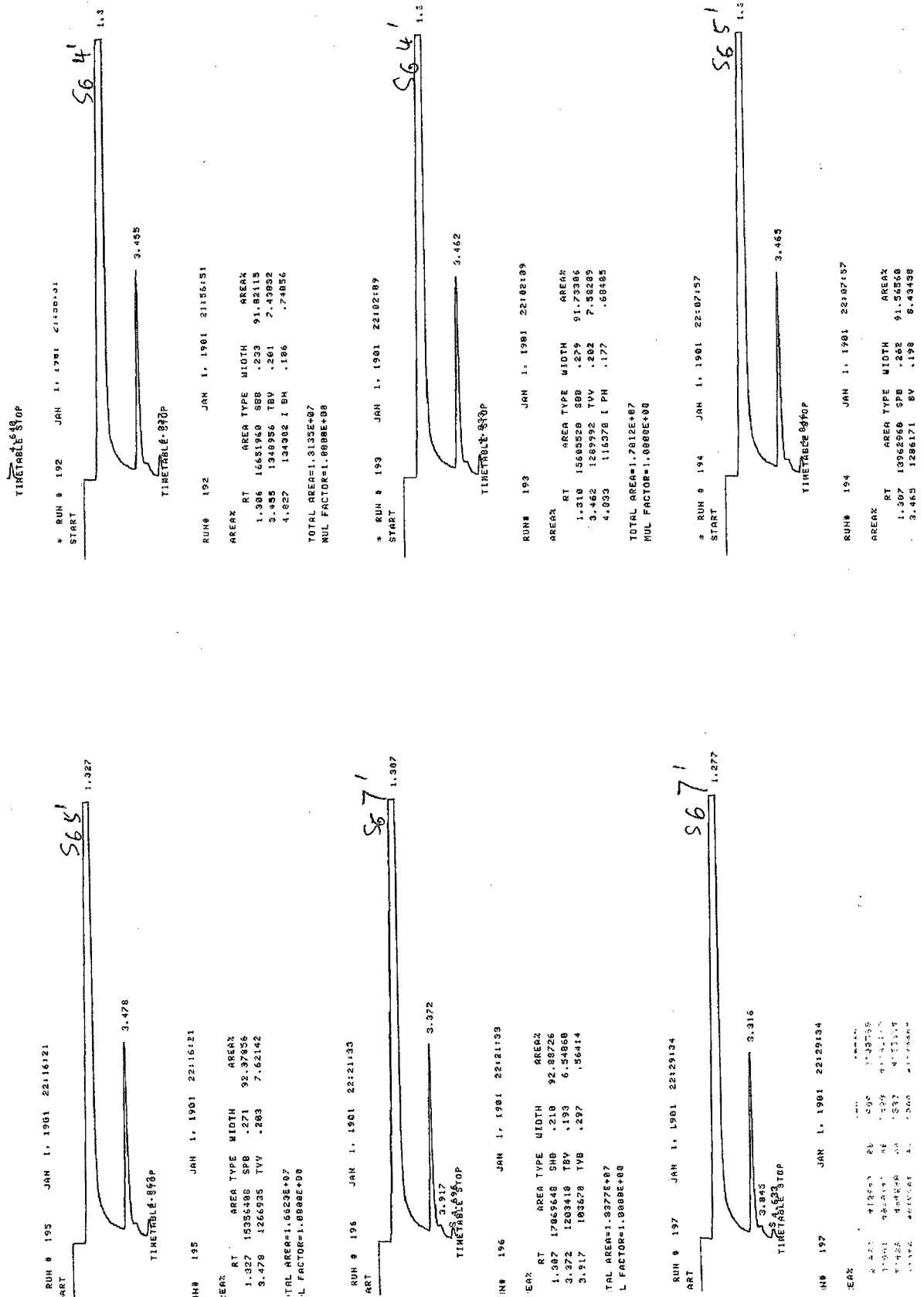


FIGURE 35 H

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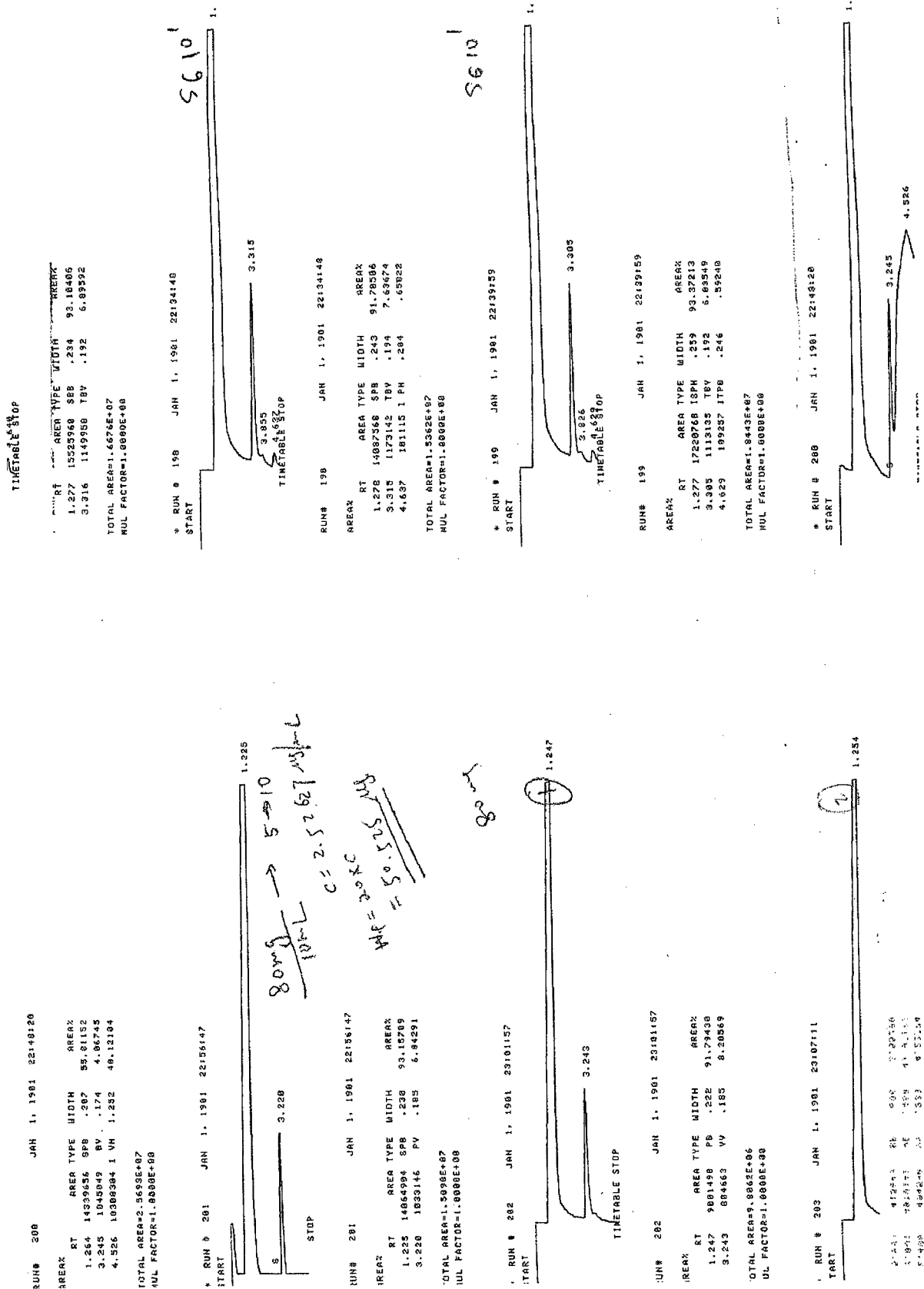
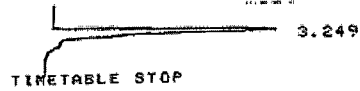


FIGURE 35 I

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TIMETABLE STOP



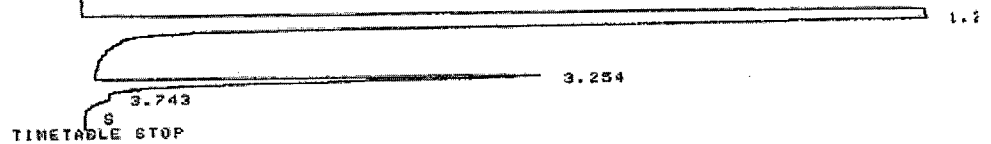
3.249
TIMETABLE STOP

RUN# 203 JAN 1. 1901 23:07:11

RT	AREA TYPE	WIDTH	AREA%
1.254	8233251 PB	.221	92.04630
3.249	711435 PB	.181	7.95372

TOTAL AREA=8.9447E+06
MUL FACTOR=1.0000E+00

* RUN # 204 JAN 1. 1901 23:12:25
START



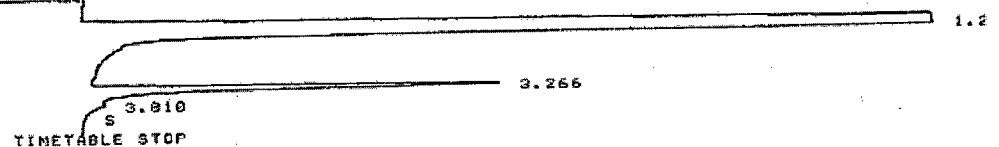
3.254
TIMETABLE STOP

RUN# 204 JAN 1. 1901 23:12:25

RT	AREA TYPE	WIDTH	AREA%
1.255	13753984 SPB	.239	89.55482
3.254	1464695 TPV	.188	9.53691
3.743	139499 TVB	.345	.90830

TOTAL AREA=1.5358E+07
MUL FACTOR=1.0000E+00

* RUN # 205 JAN 1. 1901 23:17:41
START



3.266
TIMETABLE STOP

RUN# 205 JAN 1. 1901 23:17:41

RT	AREA TYPE	WIDTH	AREA%
1.266	12928376 SPB	.213	90.62589
3.266	1337260 TBV	.187	9.37412

TOTAL AREA=1.4266E+07
MUL FACTOR=1.0000E+00

* RUN # 206 JAN 1. 1901 23:22:05

$C = 4.61057 \text{ us/w}$
 $W_R = 92.211 \text{ us}$

FIGURE 35 J

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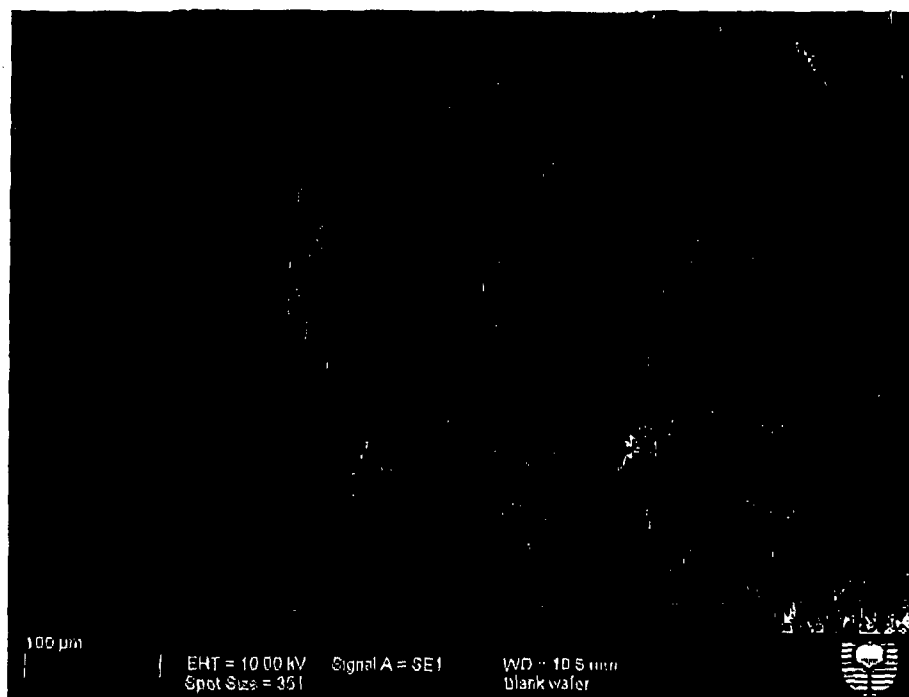


FIGURE 36

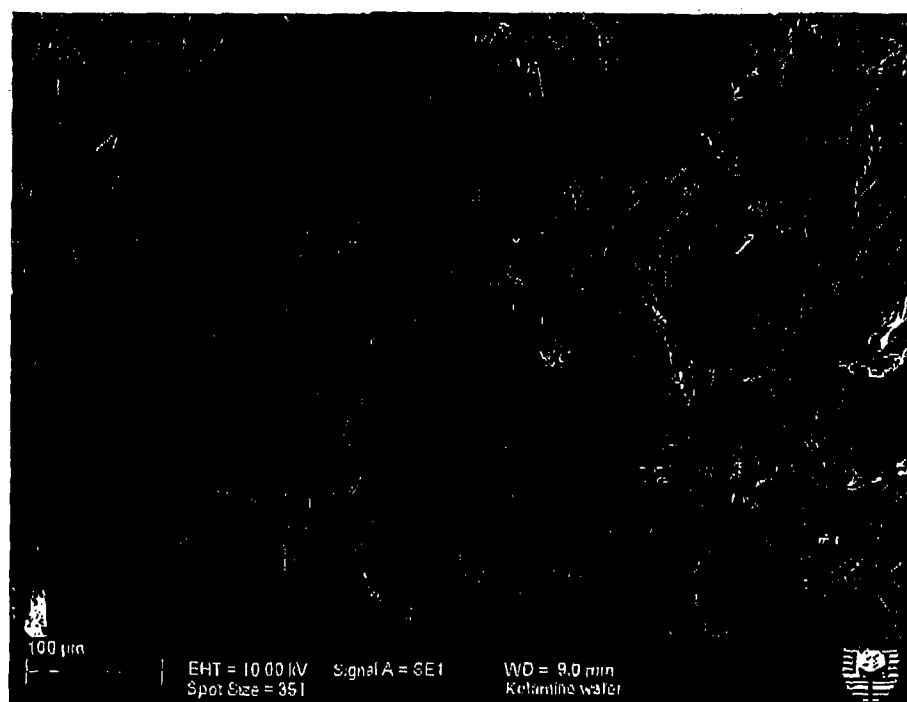


FIGURE 37

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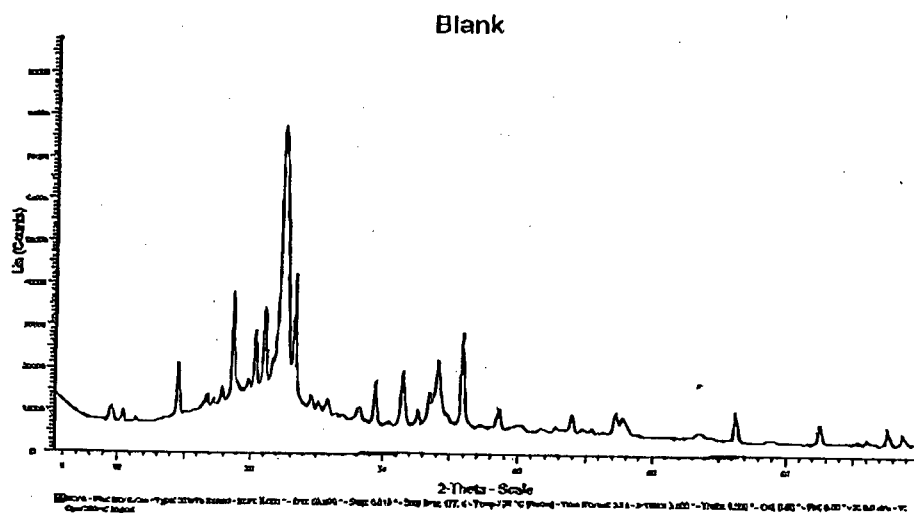


FIGURE 38

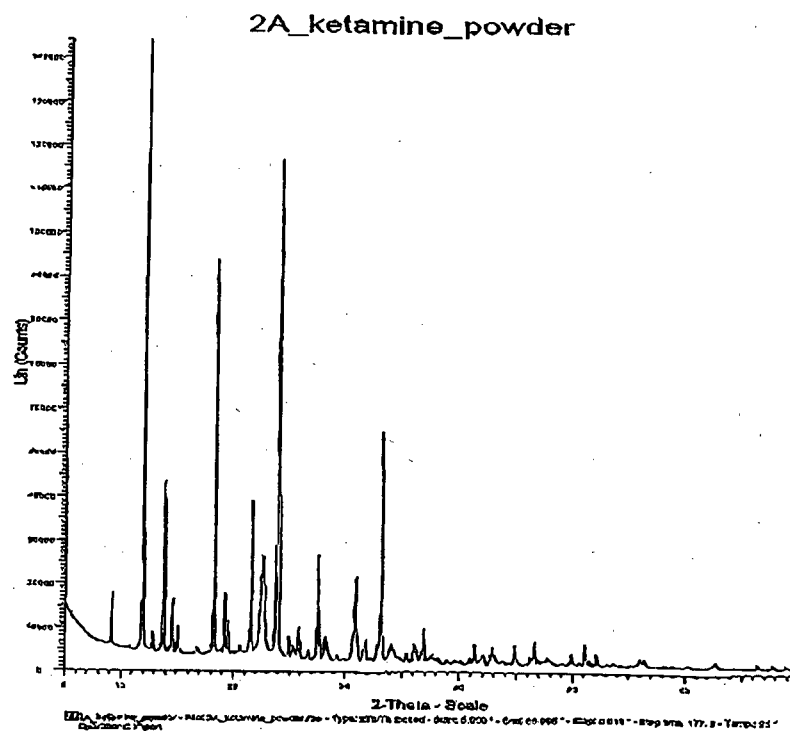


FIGURE 39

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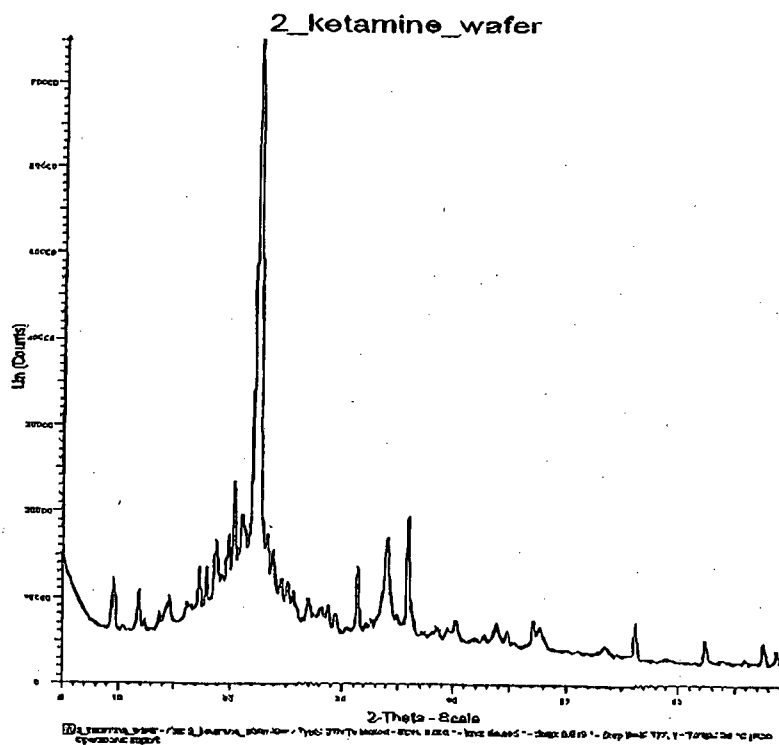


FIGURE 40

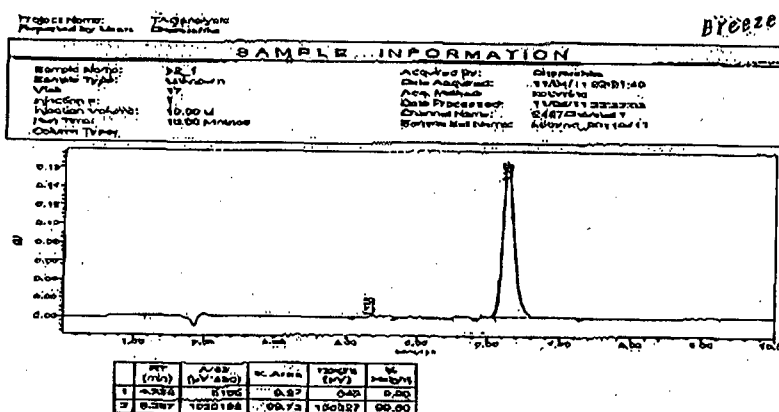


FIGURE 41

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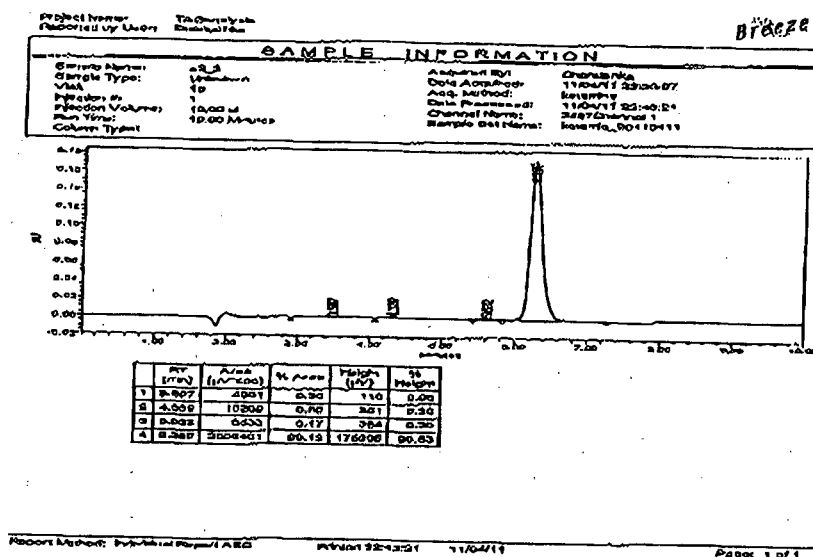


FIGURE 42

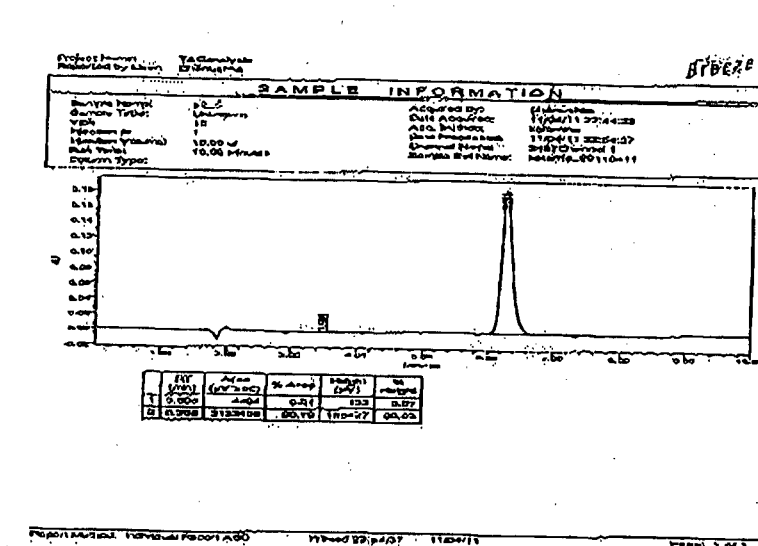


FIGURE 43

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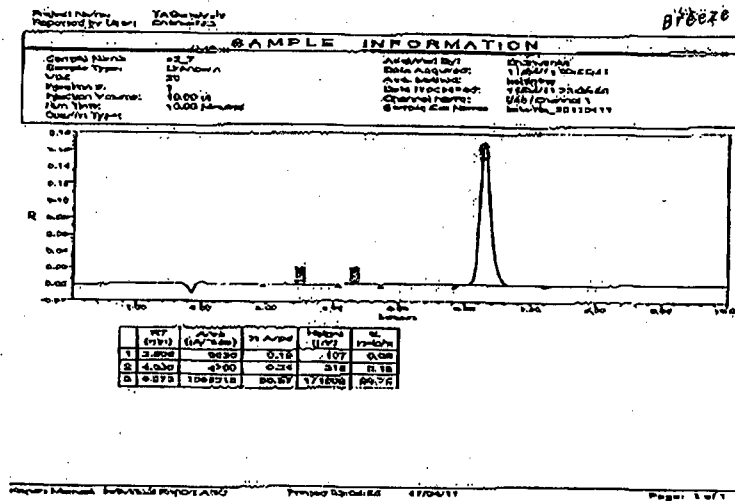


FIGURE 44

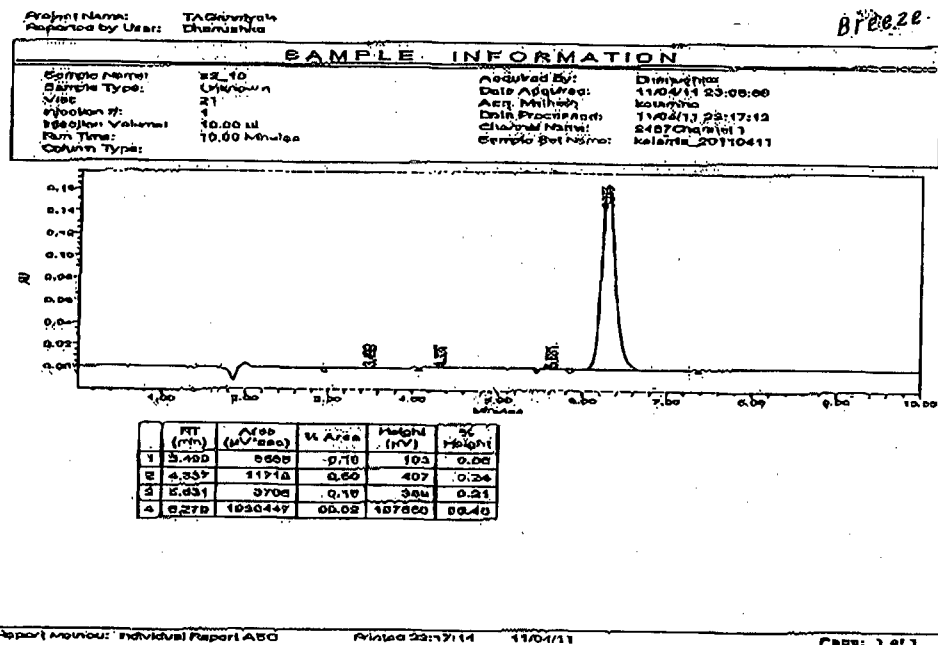


FIGURE 45

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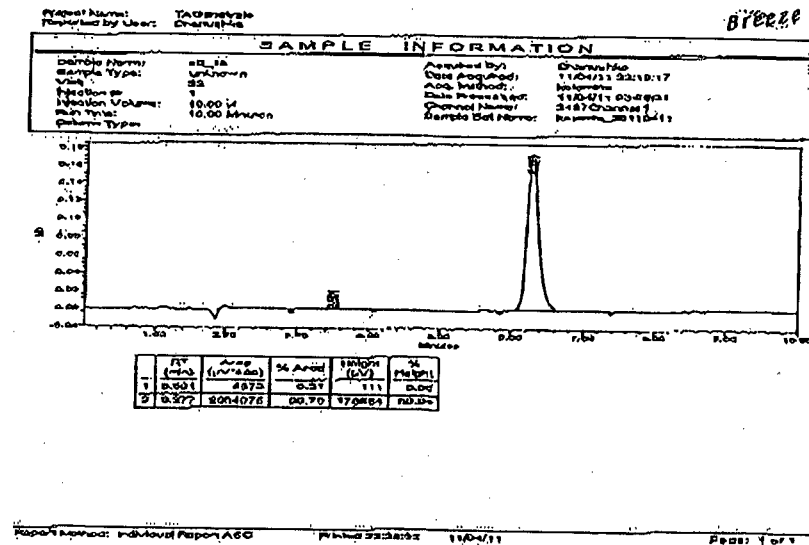


FIGURE 46

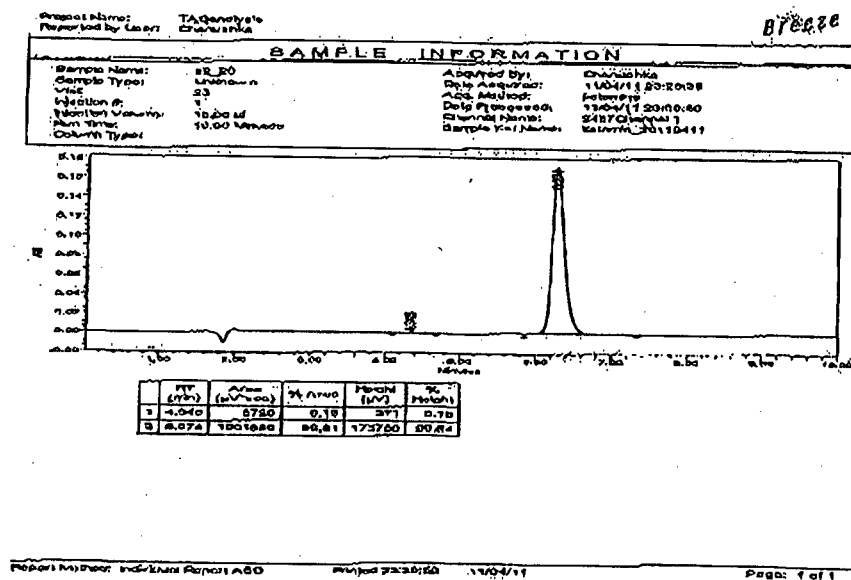


FIGURE 47

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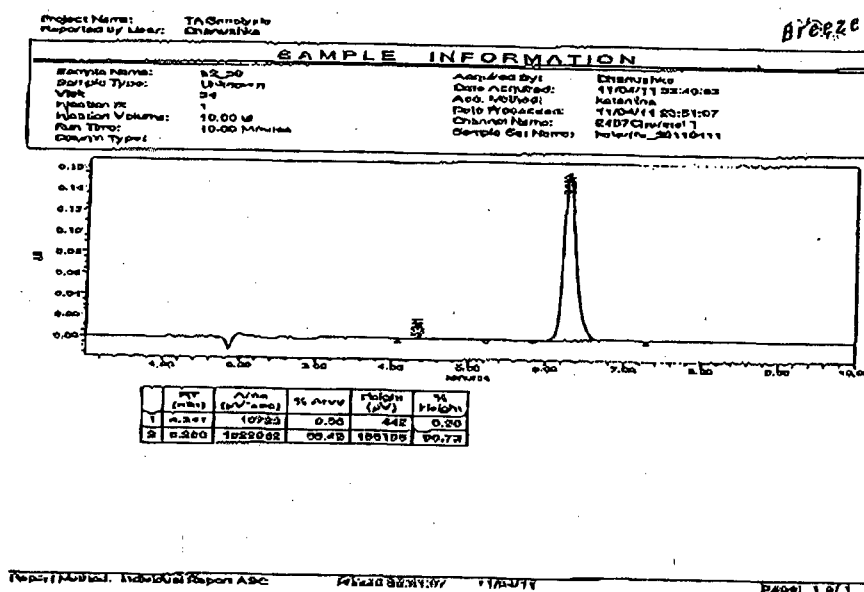


FIGURE 48

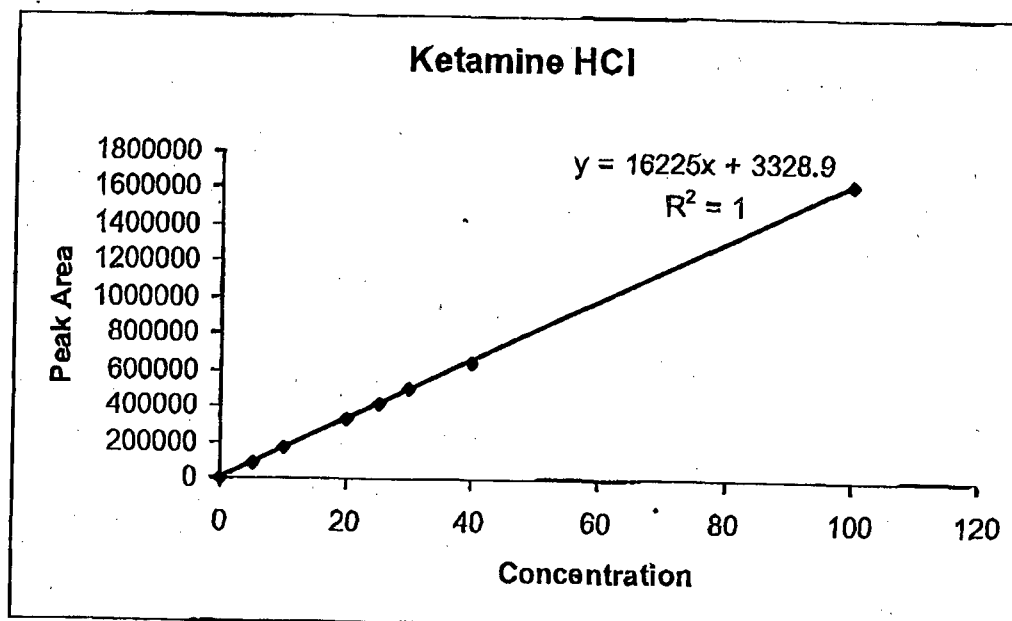


FIGURE 49

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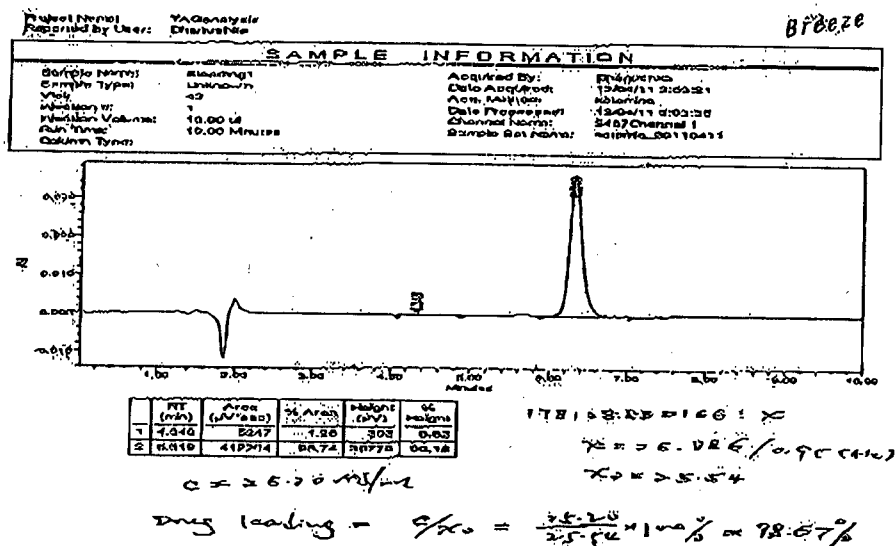
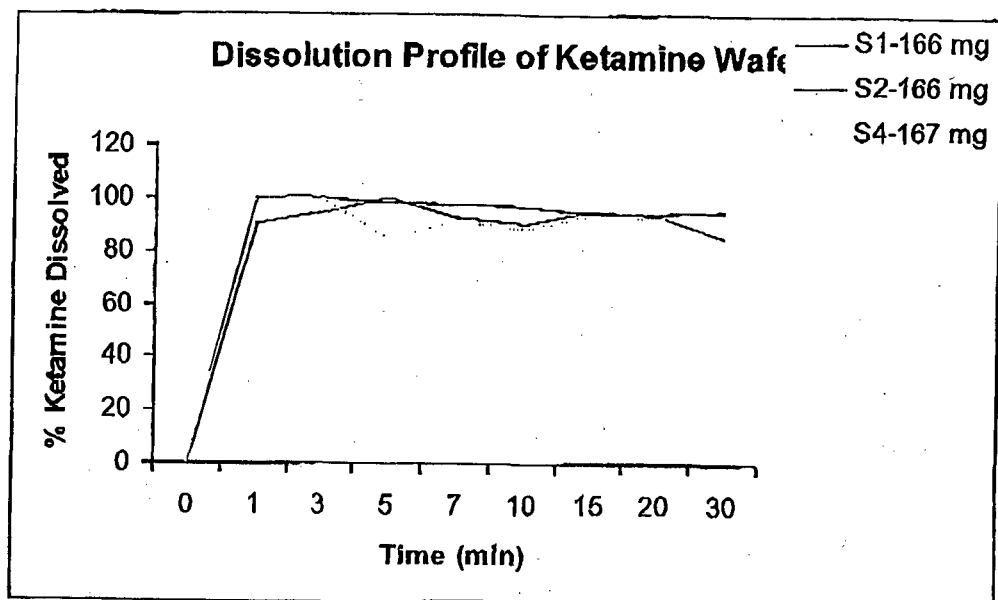
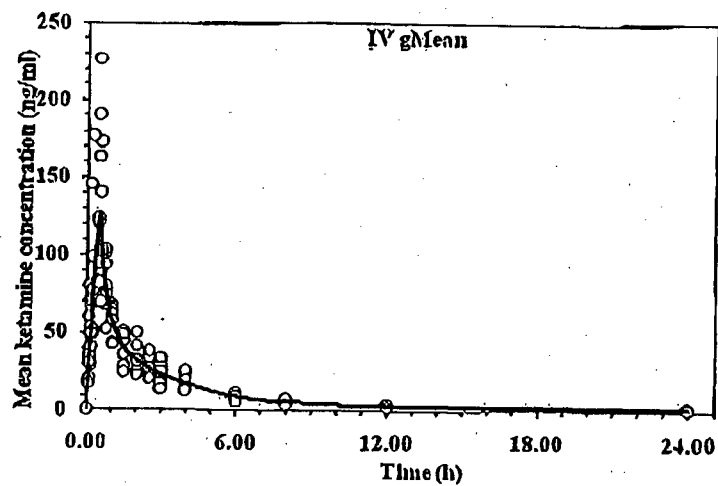


FIGURE 50

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**FIGURE 51****FIGURE 52**

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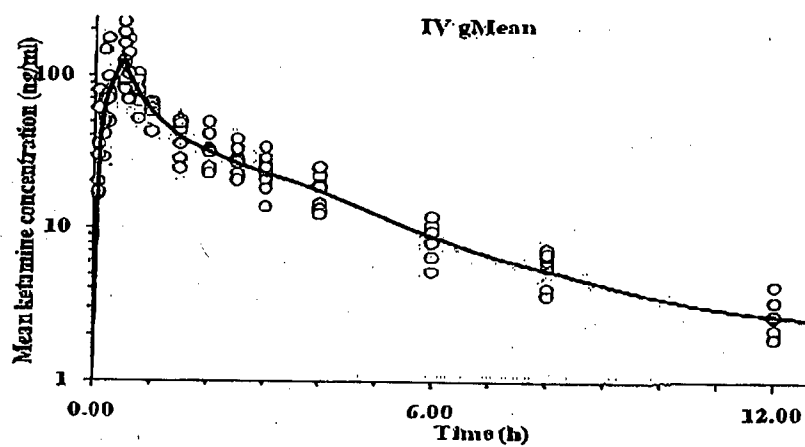


FIGURE 53

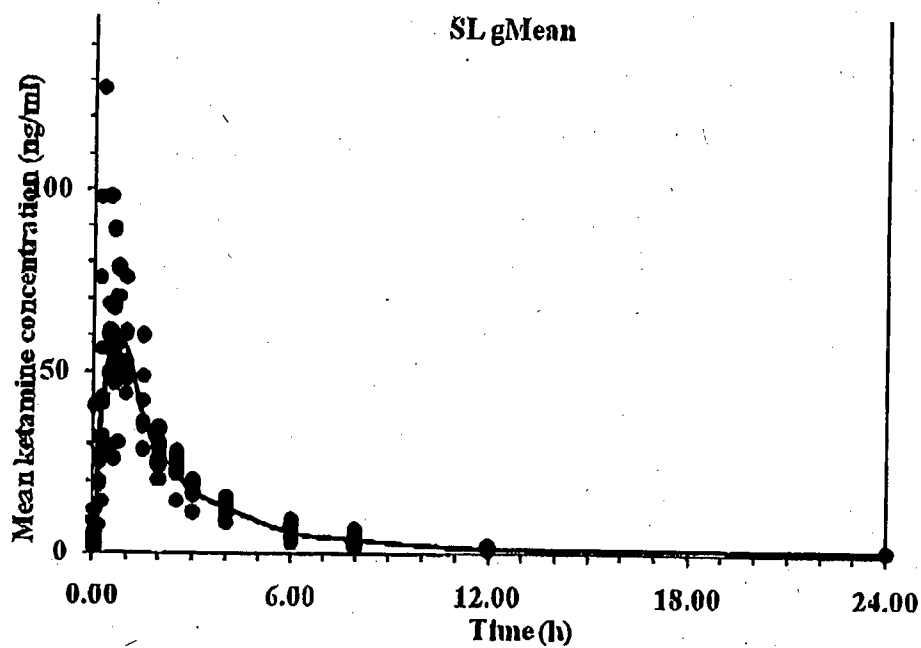


FIGURE 54

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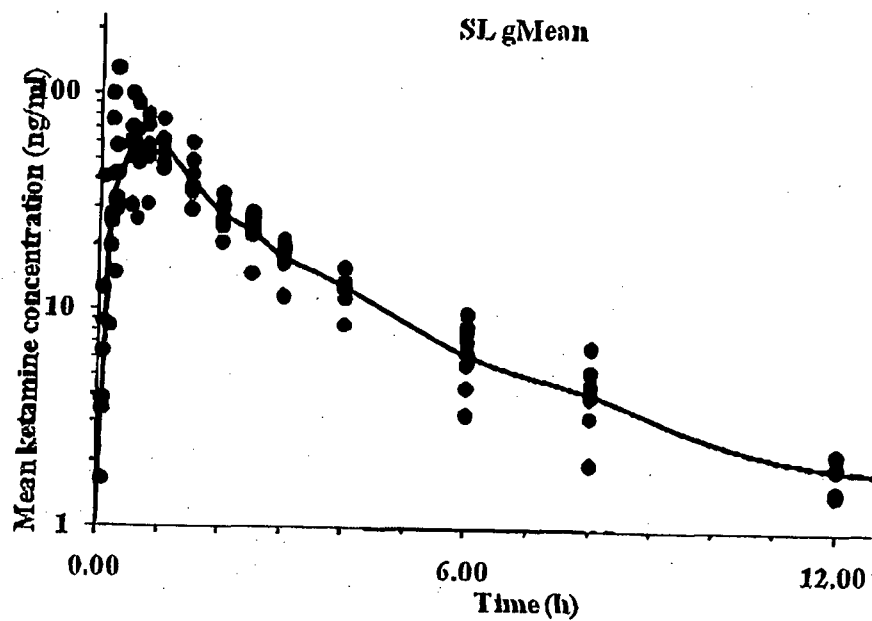


FIGURE 55

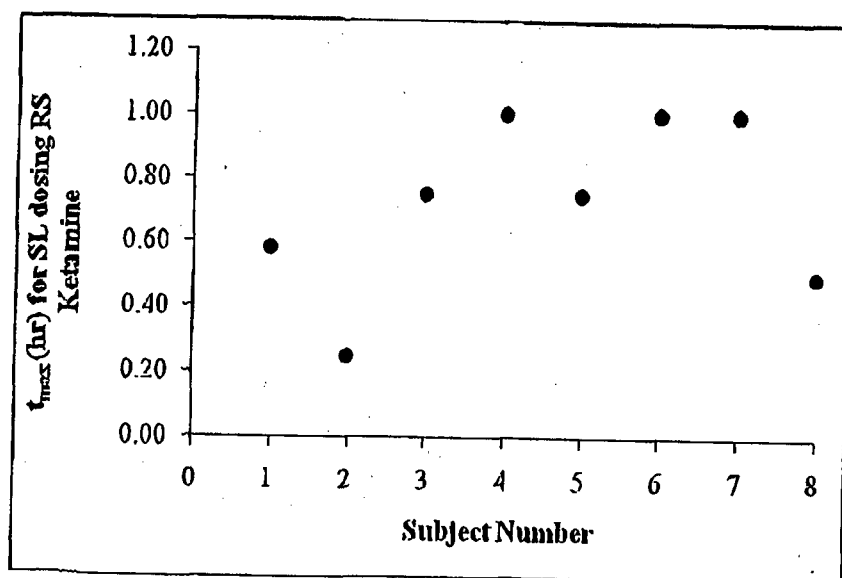


FIGURE 56

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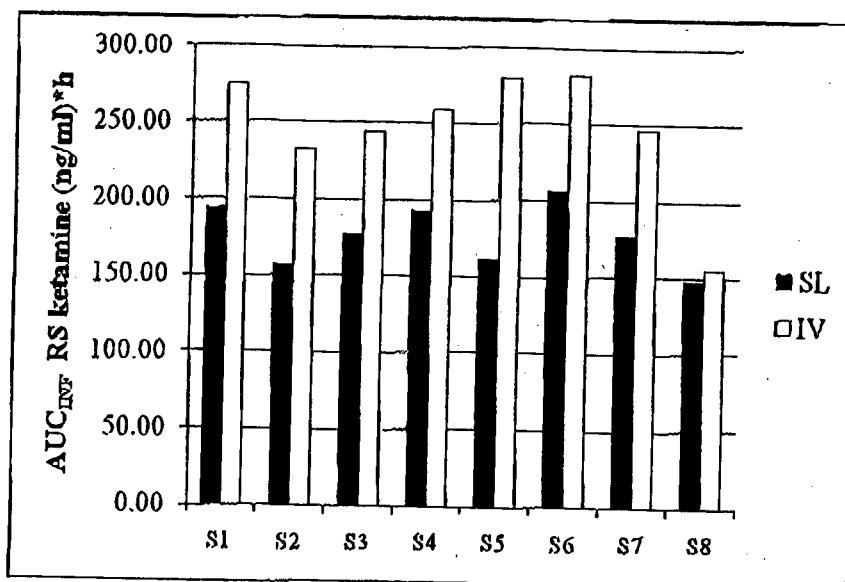


FIGURE 57

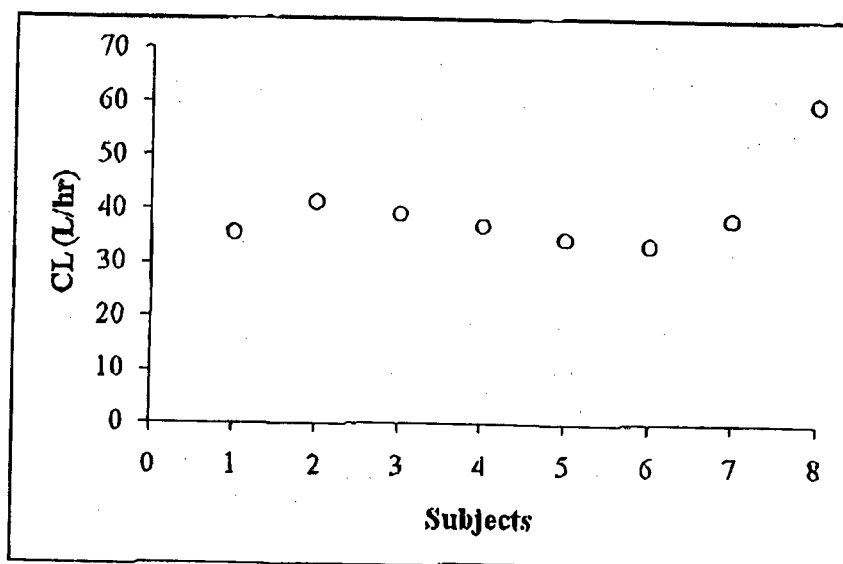


FIGURE 58

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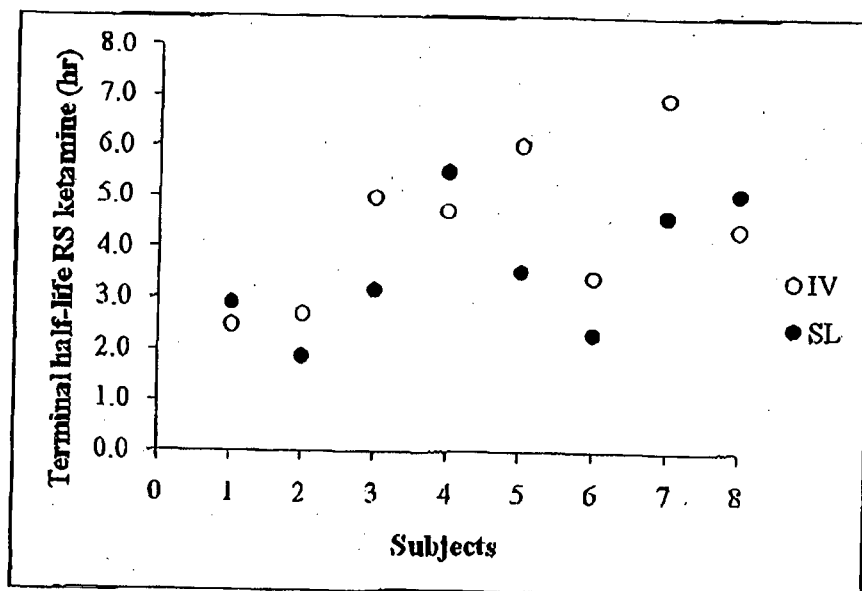


FIGURE 59

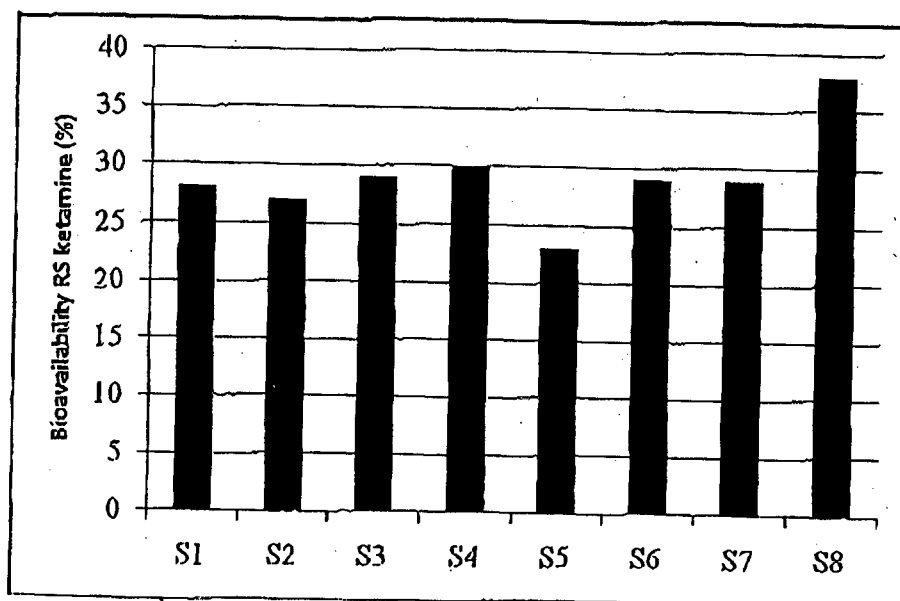


FIGURE 60

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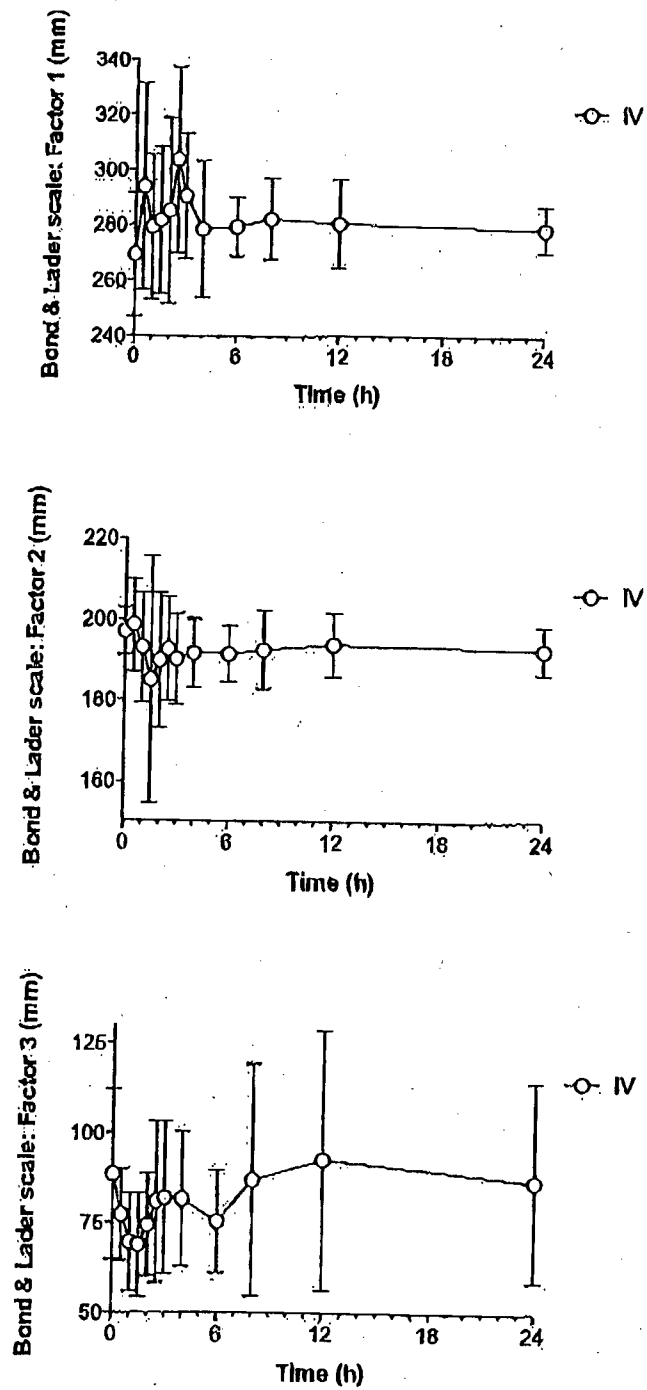


FIGURE 61

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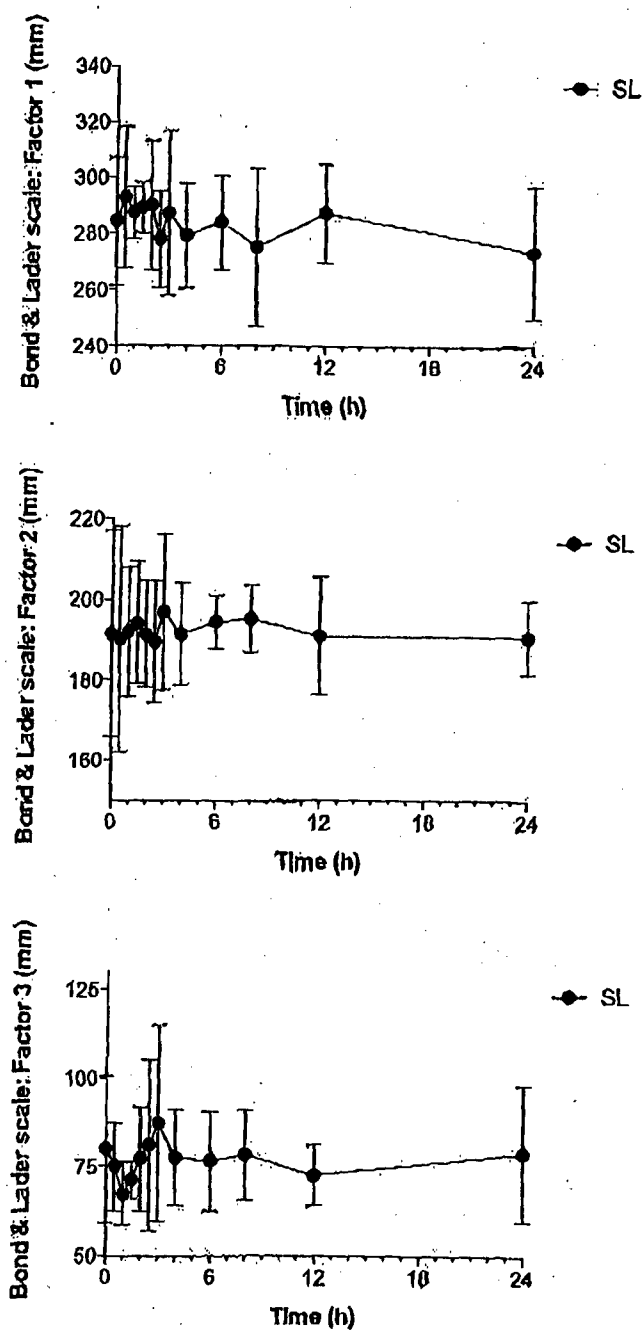
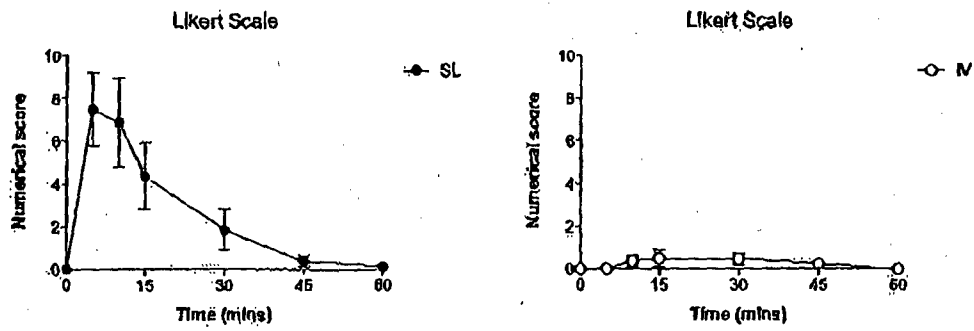


FIGURE 62

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**FIGURE 63**

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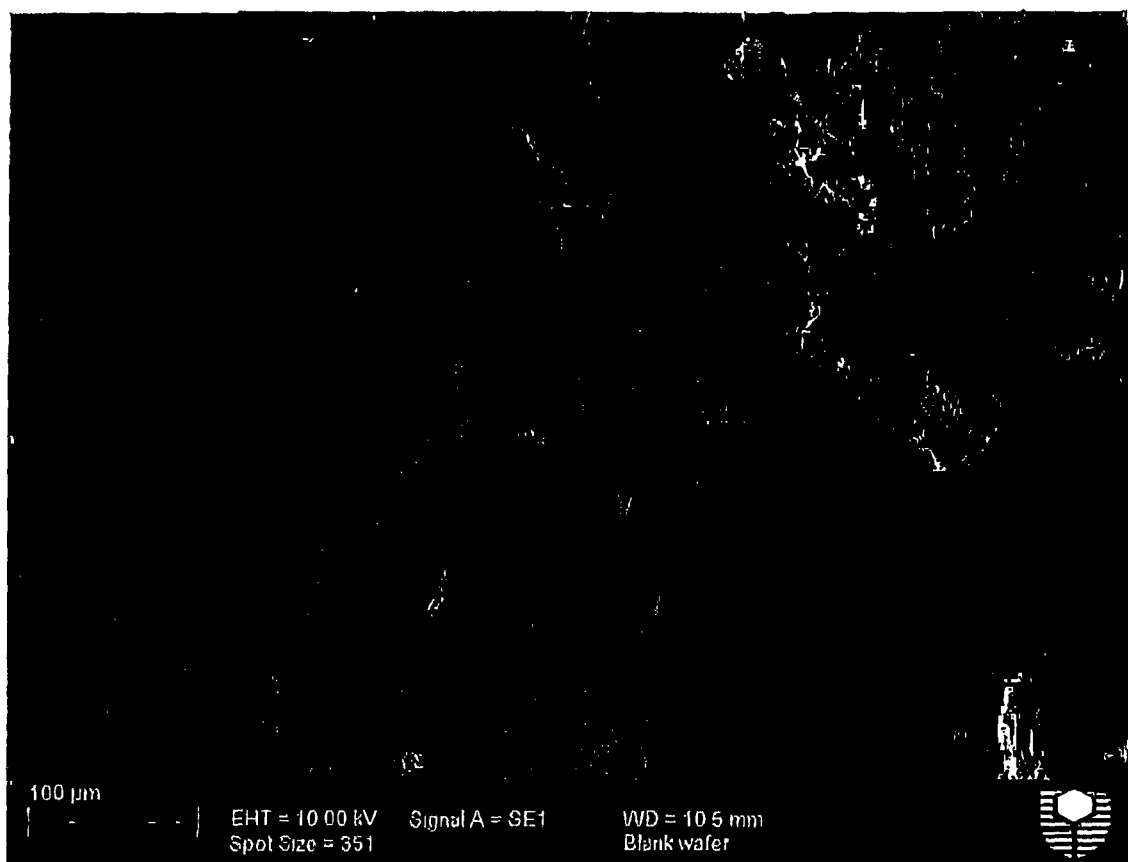
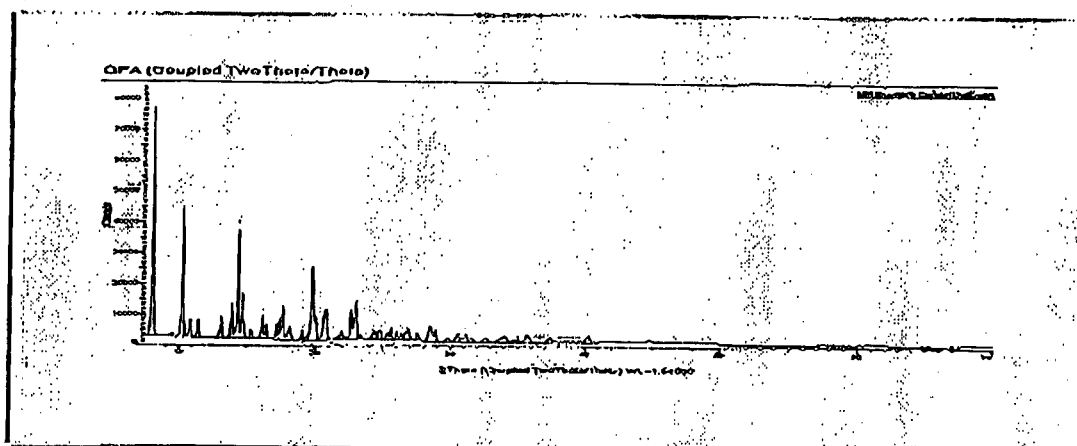
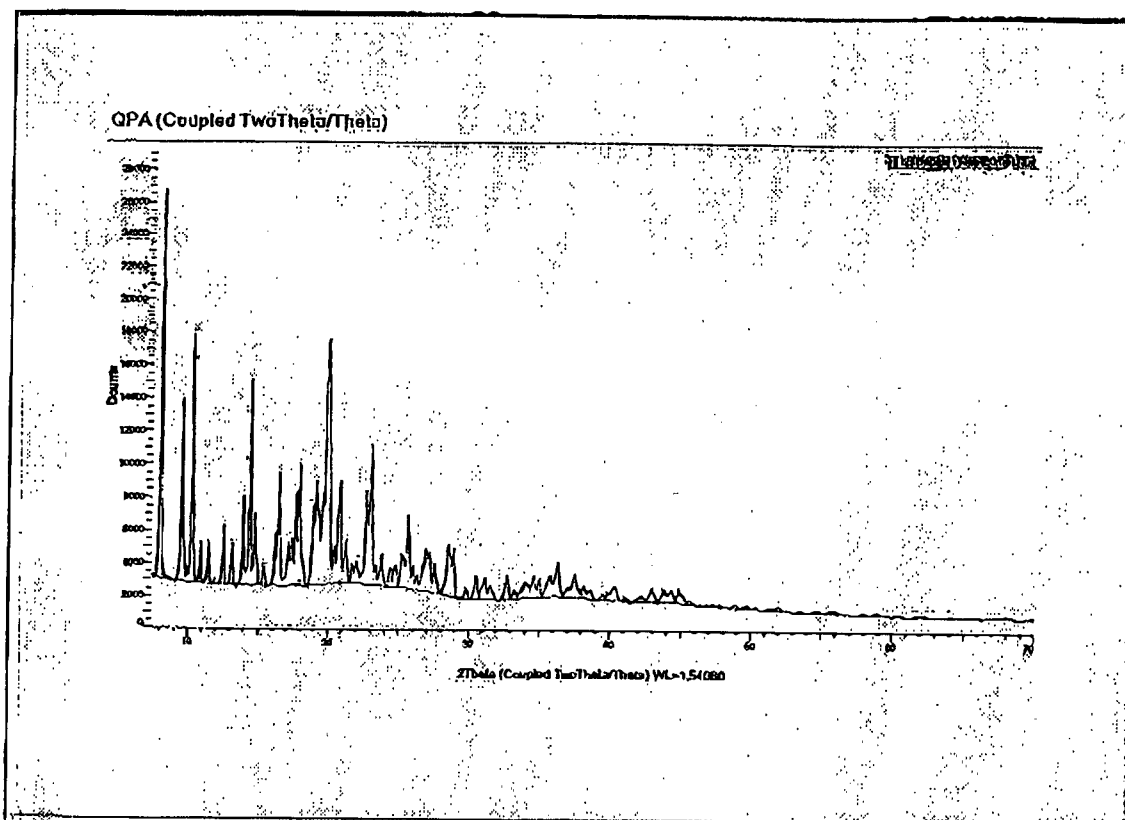


FIGURE 64

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**FIGURE 66**

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**FIGURE 67**

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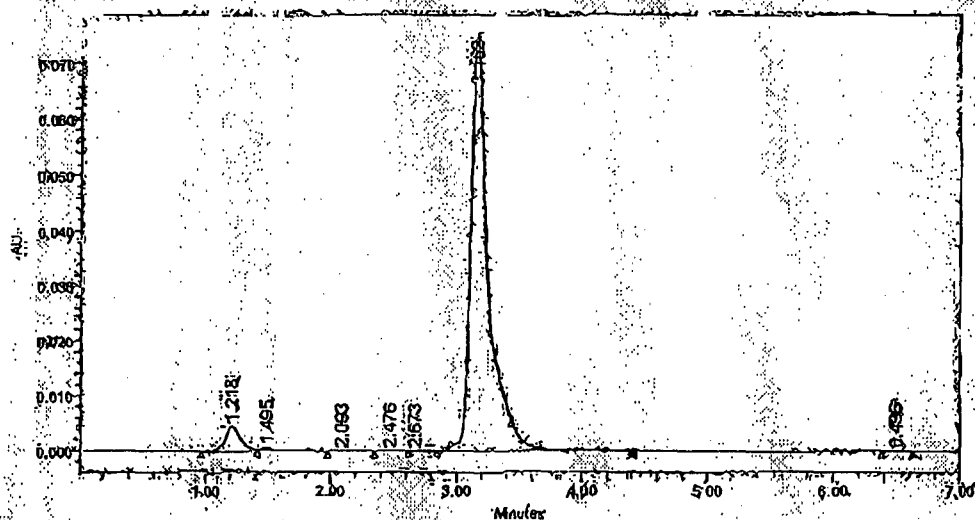
Project Name: TA Genalysis
Reported by User: Dhanushka

67022

SAMPLE INFORMATION

Sample Name: 60mgCD1
Sample Type: Unknown
Vial: 21
Injection #: 1
Injection Volume: 20.00 μ l
Run Time: 7.00 Minutes
Column Type:

Acquired By: Dhanushka
Date Acquired: 28/06/12 16:49:12
Acq. Method: SW analysis
Date Processed: 3/08/12 10:36:28
Channel Name: 2497Channel 1
Sample Set Name: SWanalysis_28062012



	RT (min)	Area (AU sec)	% Area	Height (AU)	% Height
1	1.218	17926	4.76	4655	8.03
2	1.495	8063	0.24	230	0.79
3	2.083	809	0.11	89	0.12
4	2.476	50	0.01	13	0.02
5	2.673	197	0.03	25	0.03
6	3.162	744125	84.22	76002	88.35
7	6.434	282	0.03	24	0.03

FIGURE 68

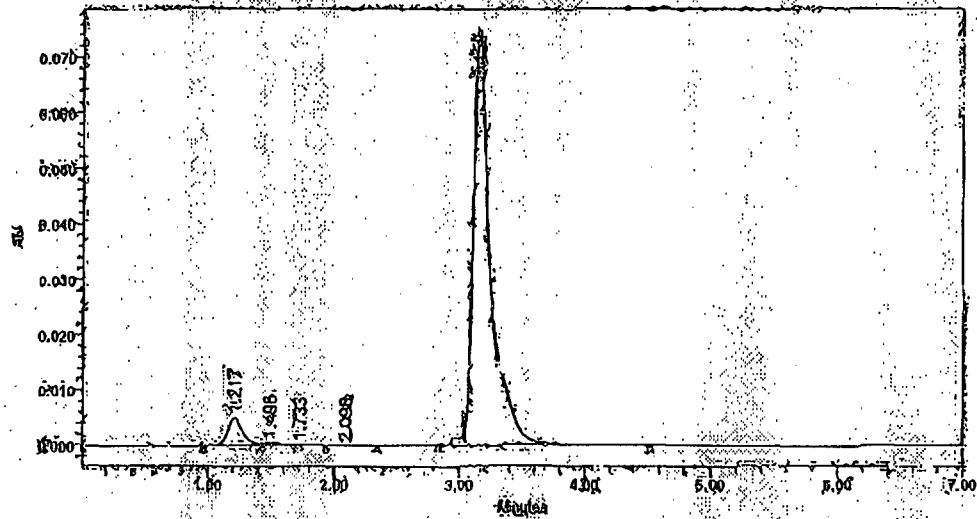
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Report Name: TACanalysis
Reported by User: Dhanushka

B10020

SAMPLE INFORMATION

Sample Name:	50mg CO3	Acquired By:	Dhanushka
Sample Type:	Unknown	Date Acquired:	26/06/12 16:05:57
Vial:	23	Acq. Method:	SW analysis
Injection #:	1	Date Processed:	3/08/12 10:35:18
Injection Volume:	20.00 μ l	Channel Name:	2487Channel1
Run Time:	7.00 Minutes	Sample Set Name:	SWanalysis_26062012
Column Type:			



	RT (min)	Area (mV*sec)	% Area	Height (mV)	% Height
1	1.217	42215	5.41	5204	8.41
2	1.486	8648	0.77	819	0.25
3	1.733	347	0.04	192	0.16
4	2.038	875	0.13	102	0.12
5	3.169	734151	93.65	76931	99.56

FIGURE 69

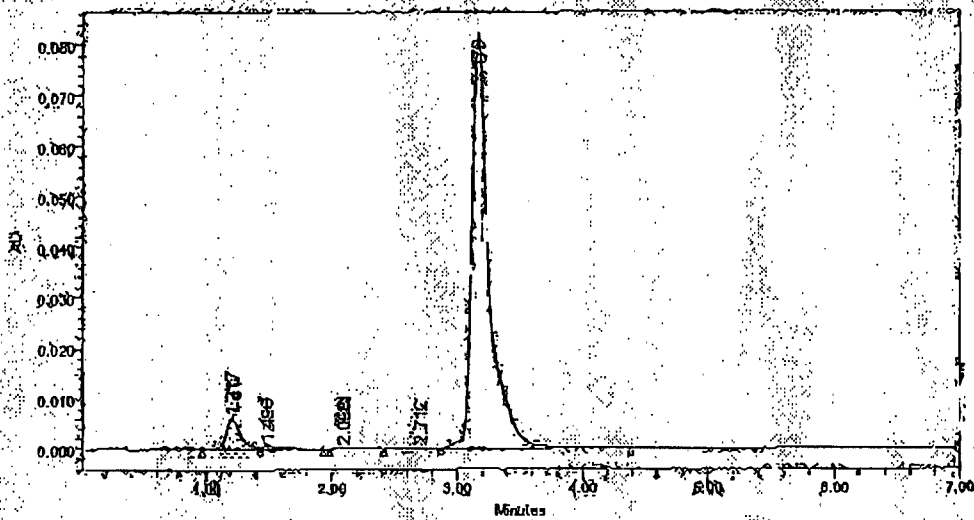
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Project Name: SWanalysis
 Reported by User: Chruszka

B10020

SAMPLE INFORMATION

Sample Name:	50mgCD6	Acquired By:	Chruszka
Sample Type:	Unknown	Date Acquired:	28/06/12 16:22:41
Vial:	25	Acq. Method:	SWanalysis
Injection #:	1	Date Processed:	3/08/12 10:35:05
Injection Volume:	20.00 µl	Channel Name:	2467Channel 1
Run Time:	3.50 Minutes	Sample Set Name:	SWanalysis_28062012
Column Type:			



	RT (min)	Area (UV 254nm)	% Area	Height (UV)	% Height
1	1.267	17295	0.57	6053	0.78
2	1.456	8711	0.29	630	0.79
3	2.024	1092	0.37	715	0.18
4	2.732	8250	0.28	182	0.22
5	3.180	780581	55.13	62241	92.15

FIGURE 70

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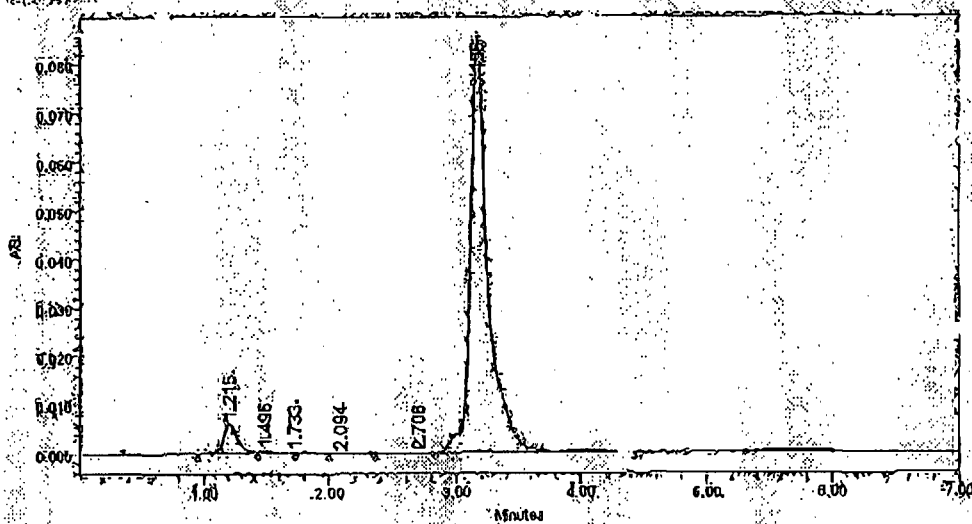
Project Name: TA Ganalyala
 Reported by User: Chagralyala

B7007e

SAMPLE INFORMATION

Sample Name: 50mg CD7
 Sample Type: Unknown
 Vial: 27
 Injection #: 1
 Injection Volume: 20.00 μ l
 Run Time: 7.00 Minutes
 Column Type:

Acquired By: Chahushya
 Date Acquired: 28/08/12 16:39:30
 Acq. Method: SW analysis
 Date Processed: 3/08/12 10:34:61
 Channel Name: 2497 Channel 1
 Sample Set Name: SW analysis_28082012



	RT (min)	Area (AU sec)	% Area	Height (AU)	% Height
1	1.218	28106	5.40	6242	0.78
2	1.496	3918	0.71	930	0.12
3	1.733	389	0.07	148	0.02
4	2.094	1124	0.13	122	0.02
5	2.706	853	0.10	60	0.01
6	3.100	134043	83.82	85004	82.20

FIGURE 71

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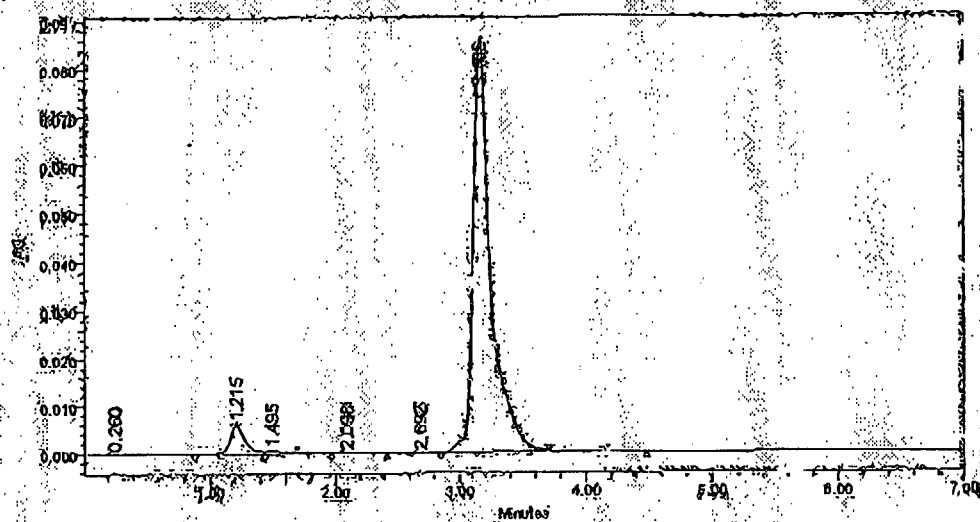
Project Name: TACanalysis
Reported by User: Dhanushka

B700270

SAMPLE INFORMATION

Sample Name: 50mgCD10
Sample Type: Unknown
Vial: 28
Injection #: 1
Injection Volume: 20.00 μ l
Run Time: 7.00 Minutes
Column Type:

Acquired By: Dhanushka
Date Acquired: 26/06/12 16:56:16
Acq. Method: SW analysis
Date Processed: 3/08/12 10:34:32
Channel Name: 2487Channel 1
Sample Set Name: SWanalysis_26062012



	RT (min)	Area (mV*sec)	% Area	Height (mV)	% Height
1	0.260	910	0.10	24	0.03
2	1.215	26321	5.35	8177	8.65
3	1.495	7048	0.75	842	0.89
4	2.198	1171	0.13	121	0.12
5	2.692	300	0.02	47	0.05
6	3.165	840805	65.60	86005	92.47

FIGURE 72

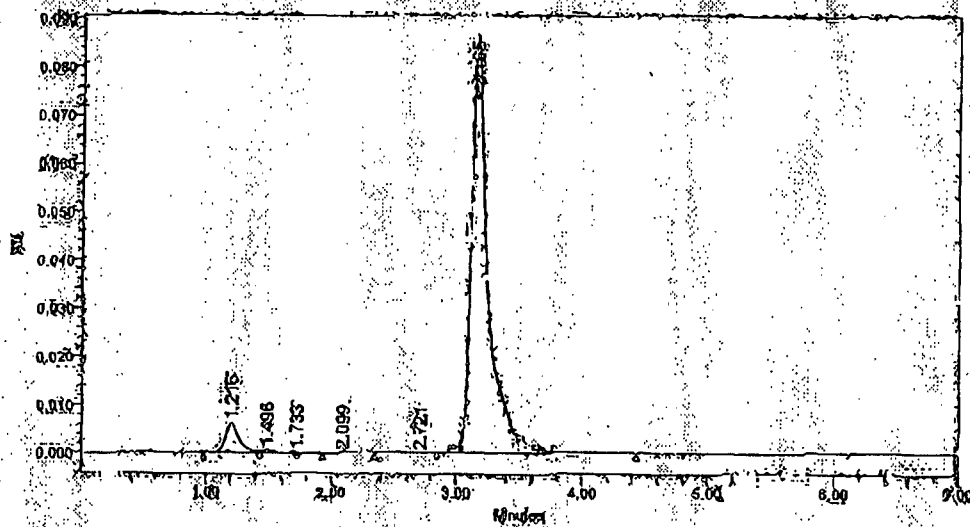
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Project Name: TAGanalysis
Reported by User: Dhanushka

B70822

SAMPLE INFORMATION

Sample Name:	50mgCD15	Acquired By:	Dhanushka
Sample Type:	Unknown	Date Acquired:	26/06/12 17:13:02
Vial:	31	Acq. Method:	SW analysis
Injection #:	1	Date Processed:	3/08/12 10:34:19
Injection Volume:	20.00 μ L	Channel Name:	2487Channel 1
Run Time:	7.00 Minutes	Sample Set Name:	SWanalysis_26062012
Column Type:			



	RT (min)	Area (AU)	% Area	Height (AU)	% Height
1	1.216	42036	5.41	0.017	0.57
2	1.498	21455	0.73	0.028	0.67
3	1.733	438	0.05	0.008	0.19
4	2.099	1220	0.14	0.022	0.14
5	2.721	438	0.05	0.008	0.04
6	3.217	813774	84.61	0.085	92.48

FIGURE 73

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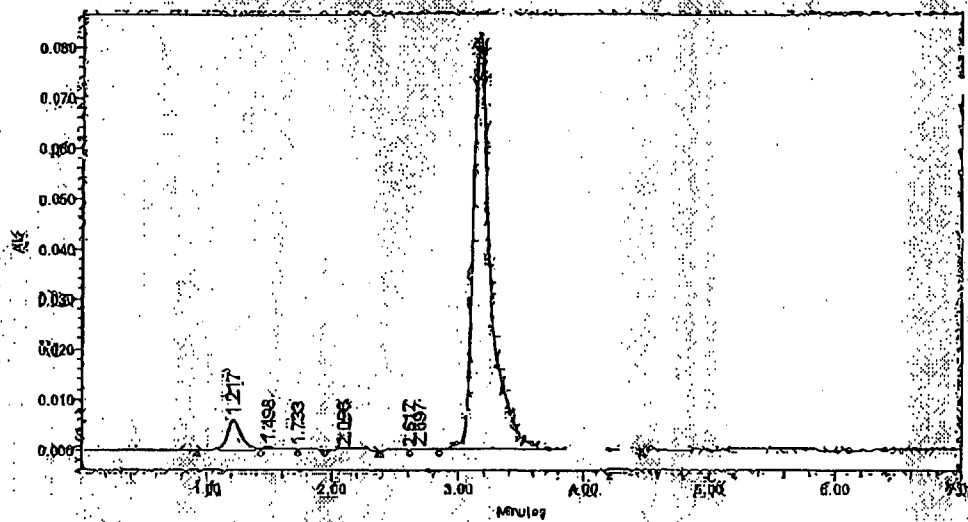
Project Name: TACanalsys
 Reported by User: Channishla

BT-2012

SAMPLE INFORMATION

Sample Name: 50mg CD20
 Sample Type: Unknown
 Vial: 33
 Injection #: 1
 Injection Volume: 20.00 μ l
 Run Time: 7.00 Minutes
 Column Type:

Acquired By: Channishla
 Date Acquired: 28/08/12 17:29:50
 Acq. Method: SW analysis
 Date Processed: 3/08/12 10:34:04
 Channel Name: 2487 Channel 1
 Sample Set Name: SWanalysis_28082012



	RT (min)	Area (mV sec)	% Area	Height (mV)	% Height
1	1.257	86128	0.44	5000	0.71
2	1.338	8704	0.04	514	0.06
3	1.583	211	0.05	153	0.17
4	2.058	1124	0.12	128	0.14
5	2.812	140	0.03	21	0.02
6	2.867	428	0.05	38	0.04
7	3.002	702894	03.58	52482	03.23

FIGURE 74

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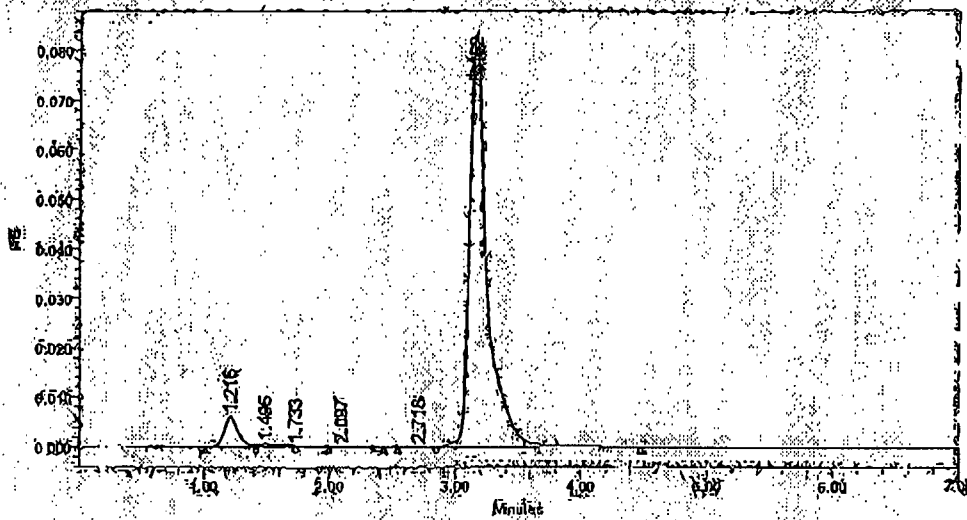
Project Name: TAGAnalysis
Reported by Users: Dhanushka

B70022

SAMPLE INFORMATION

Sample Name: 50mg ODS
Sample Type: Unknown
Vial: 35
Injection #: 1
Injection Volume: 20.00 μ
Run Time: 7.00 Minutes
Column Type:

Acquired By: Dhanushka
Date Acquired: 28/06/12 17:46:36
Acq. Method: SW analysis
Data Processed: 3/08/12 10:33:43
Channel Name: 2487 Channel 1
Sample Set Name: SWanalysis_28062012



	RT (min)	Area (mV*sec)	% Area	Height (mV)	% Height
1	1.216	480638	0.41	00002	0.69
2	1.486	8614	0.76	027	0.04
3	1.733	392	0.05	100	0.10
4	2.097	1111	0.10	118	0.19
5	2.718	858	0.04	34	0.04
6	6.162	700072	60.80	83885	92.27

FIGURE 75

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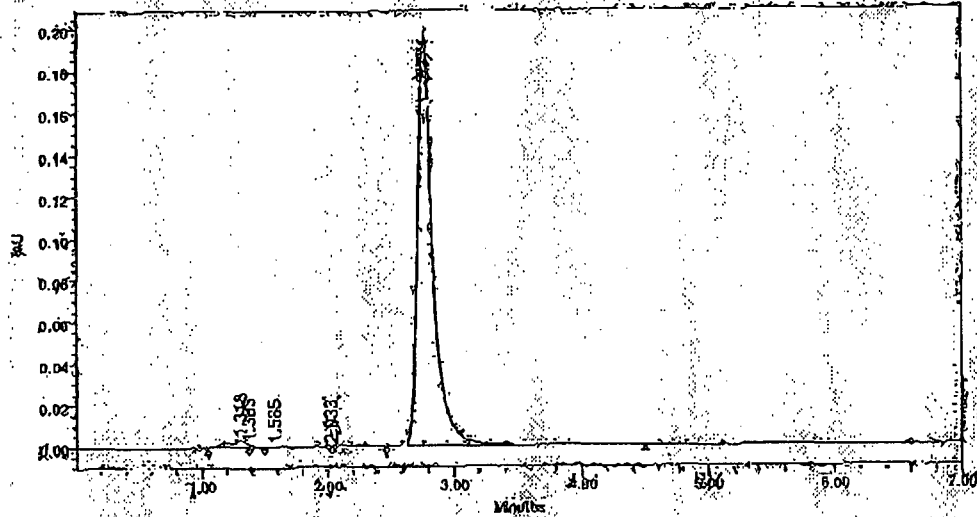
Project Name: TAC analysis
Reported by User: Chanushka

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SAMPLE INFORMATION

Sample Name: d150b
Sample Type: Unknown
Vial: 14
Injection #: 1
Injection Volume: 20.00 µl
Run Time: 7.00 Minutes
Column Type:

Acquired By: Chanushka
Date Acquired: 26/06/12 21:50:52
Acq. Method: SW analysis
Date Processed: 3/08/12 10:24:00
Channel Name: 2487Channel1
Sample Set Name: SWald_25062012

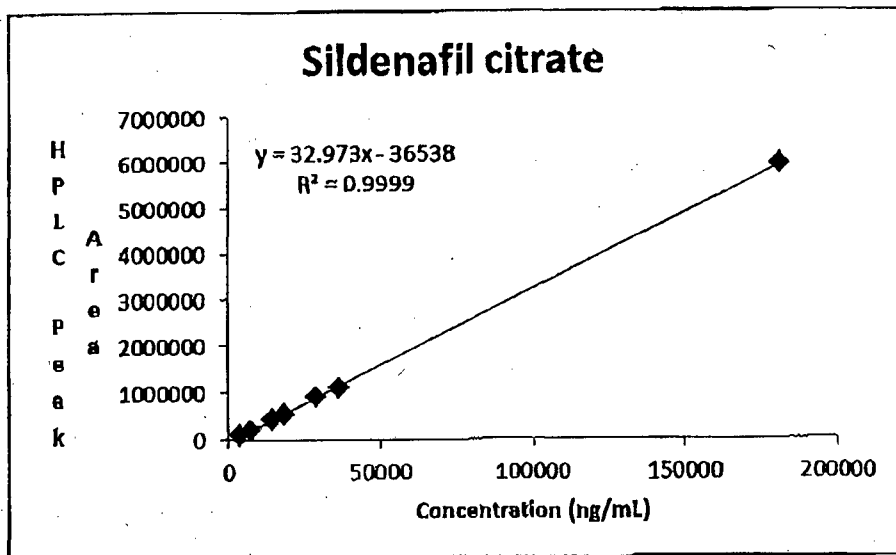
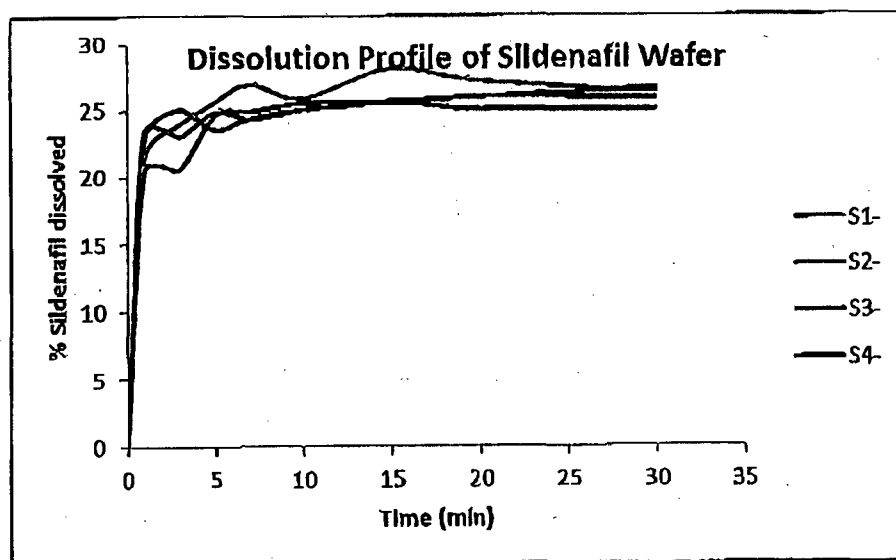


	RT (min)	Area (µV*sec)	% Area	Height (µV)	% Height
1	1.318	86054	2.05	3652	1.28
2	1.583	4180	0.24	1421	0.70
3	1.865	7760	0.18	513	0.20
4	2.333	824	0.05	302	0.09
5	2.771	1689908	97.21	196630	97.21

$$\frac{51.61 \mu\text{g/mL}}{50} = 103.2\%$$

FIGURE 76

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**FIGURE 77****FIGURE 78**

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DEMOGRAPHIC CHARACTERISTICS OF THE STUDY VOLUNTEERS

Number	24
Mean age years (range)	23.2 (19-32)
Sex	14 female, 10 male
Mean weight in kg (range)	67.1 (51.4-100.7)
Study dose of fentanyl (μg)	100

FIGURE 79

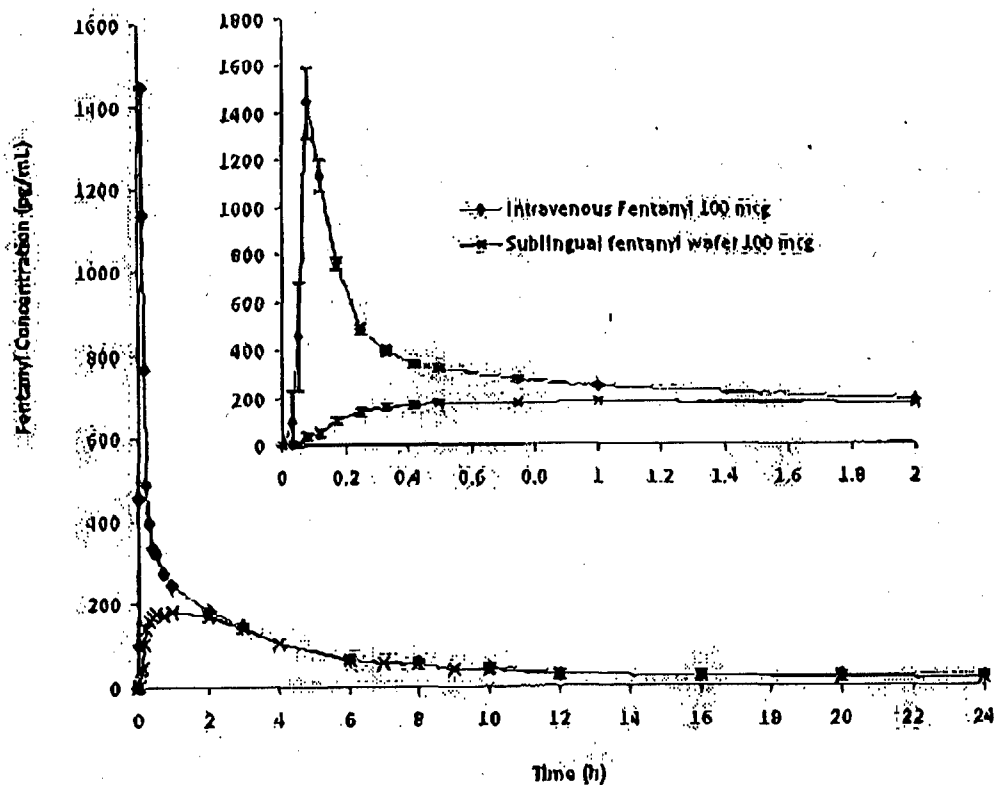
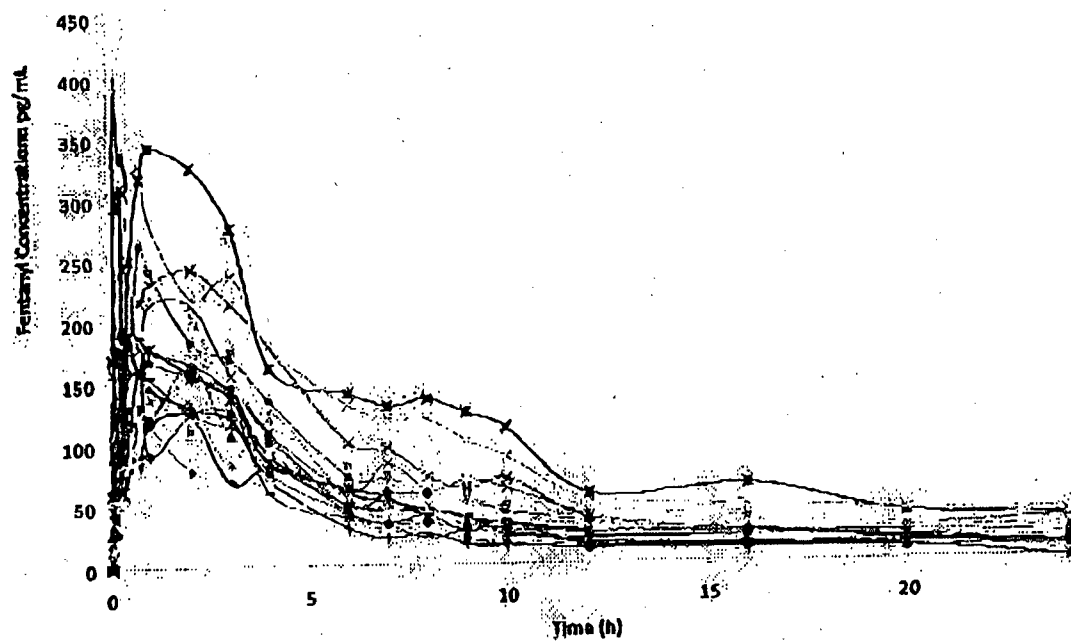


FIGURE 80

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**FIGURE 81**

MEAN VALUES (± 1 SD) OF FENTANYL PLASMA PHARMACOKINETIC PARAMETERS^a

Treatment	T _{max} (hours)	C _{max} (pg/mL)	AUC ₀₋₁₂ (h*pg/mL)	AUC ₀₋₂₄ (h*pg/mL)	AUC ₀₋₇₂ (h*pg/mL)
IV fentanyl ^b (100 µg) (n = 22)	0.12 (± 0.05)	1451.0 (± 970.1)	1404.8 (± 285.5)	1703.7 (± 375.9)	1952.9 (± 378.8)
Sublingual fentanyl wafer (100 µg) (n = 22)	0.91 (± 0.73)	219.3 (± 70.5)	1046.1 (± 388.4)	1299.8 (± 517.1)	1739.9 (± 815.2)

AUC = area under curve.

^a Two volunteers were excluded. They did not complete IV administration.

^b Given as a 5-minute infusion.

FIGURE 82

COMPARATIVE LITERATURE PHARMACOKINETIC DATA (MEAN ± 1 SD) FOR BUCCAL AND SUBLINGUAL (SL) FENTANYL DOSAGE FORMS^a

Data	Buccal soluble film ^a	Buccal tablet ^a	SL tablet ³²	SL wafer (this study)
Dose (µg)	800	400	100	100
Study period (hours)	48	72	10	24
AUC ₀₋₂₄ h*ng/mL	13.03 $\pm$ 3.45	6.48 $\pm$ 2.98	1.24 $\pm$ 0.52	1.74 $\pm$ 0.82
t _{1/2} hours	19.03 $\pm$ 8.31	11.6 $\pm$ 7.8	6.1 $\pm$ 2.0	12.5 $\pm$ 5.2
C _{max} ng/mL	1.33 $\pm$ 0.31	1.02 $\pm$ 0.42	0.24 $\pm$ 0.14	0.22 $\pm$ 0.07
t _{max} hours (range)	1.5 (0.75-4.00)	0.78 (0.33-4.0)	0.66 $\pm$ 0.29	0.91 $\pm$ 0.73
Bioavailability (%)	71	65	Not available	78.9

AUC = area under curve; C_{max} = peak plasma concentration; t_{max} = time to peak plasma concentration.

^a The t_{1/2} terminal elimination half-life.

FIGURE 83