

Xenograft tumour – on saline 24 hours
(large peak of small fragments at 26s, loss of 28S)

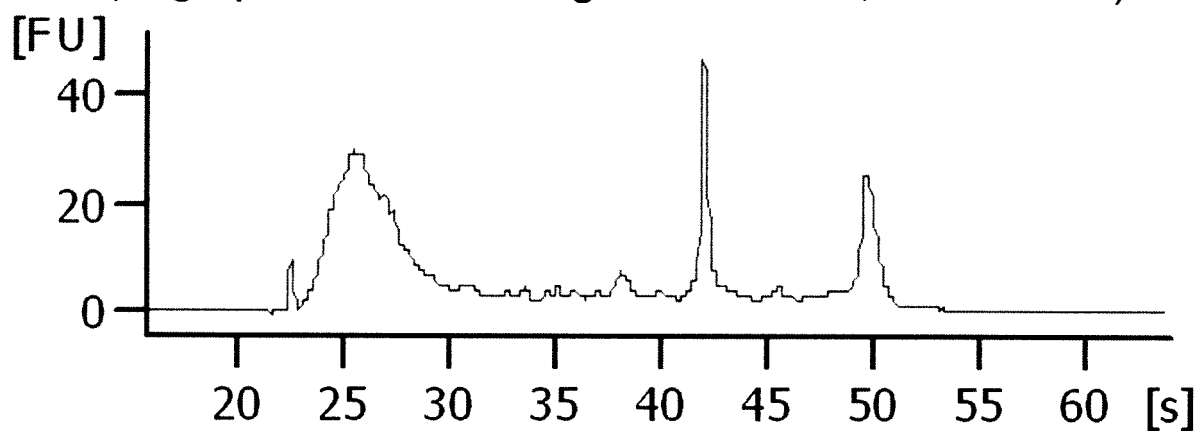


FIG. 1

A2780 cells – 10 μ M Docetaxel in 50% media
(intermediate peak, peak just below 18S)

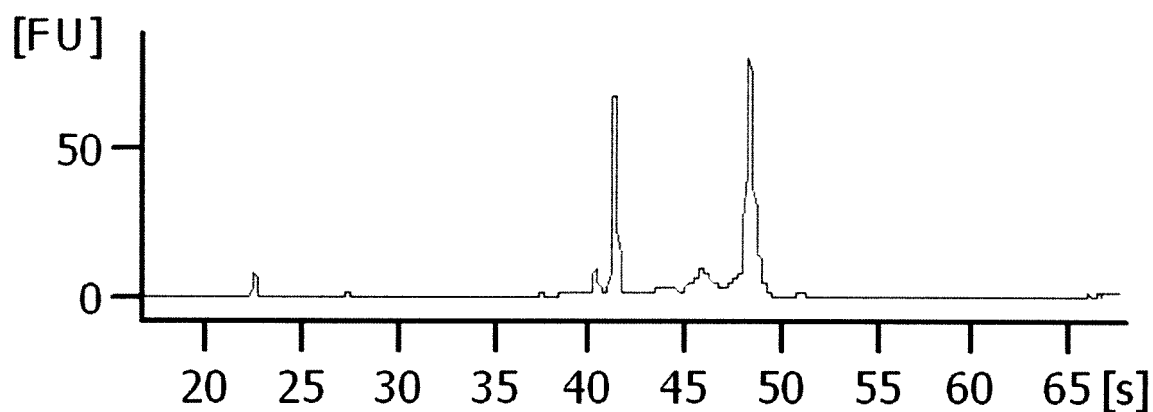


FIG. 2

A2780 cells treated with 20 μ M epirubicin
in 50% media (intermediate bands)

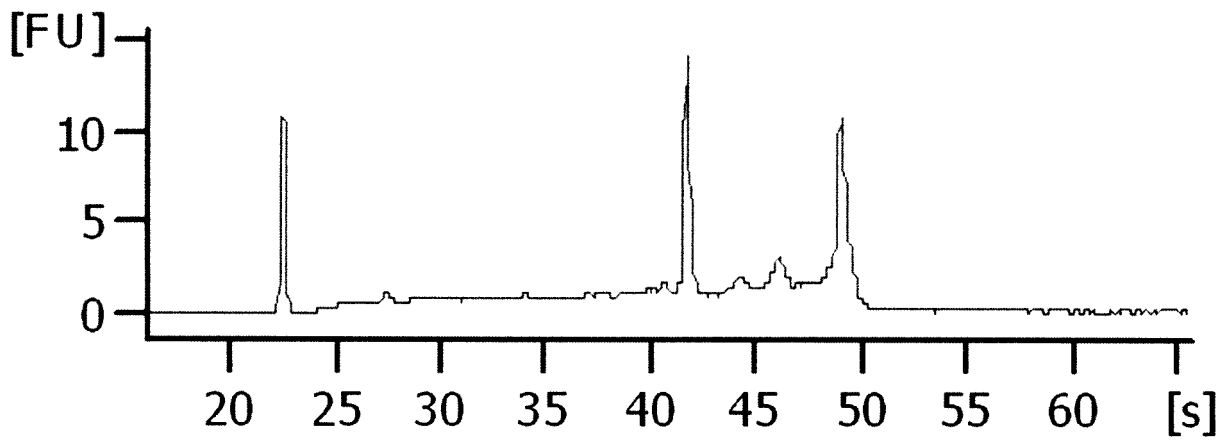


FIG. 3

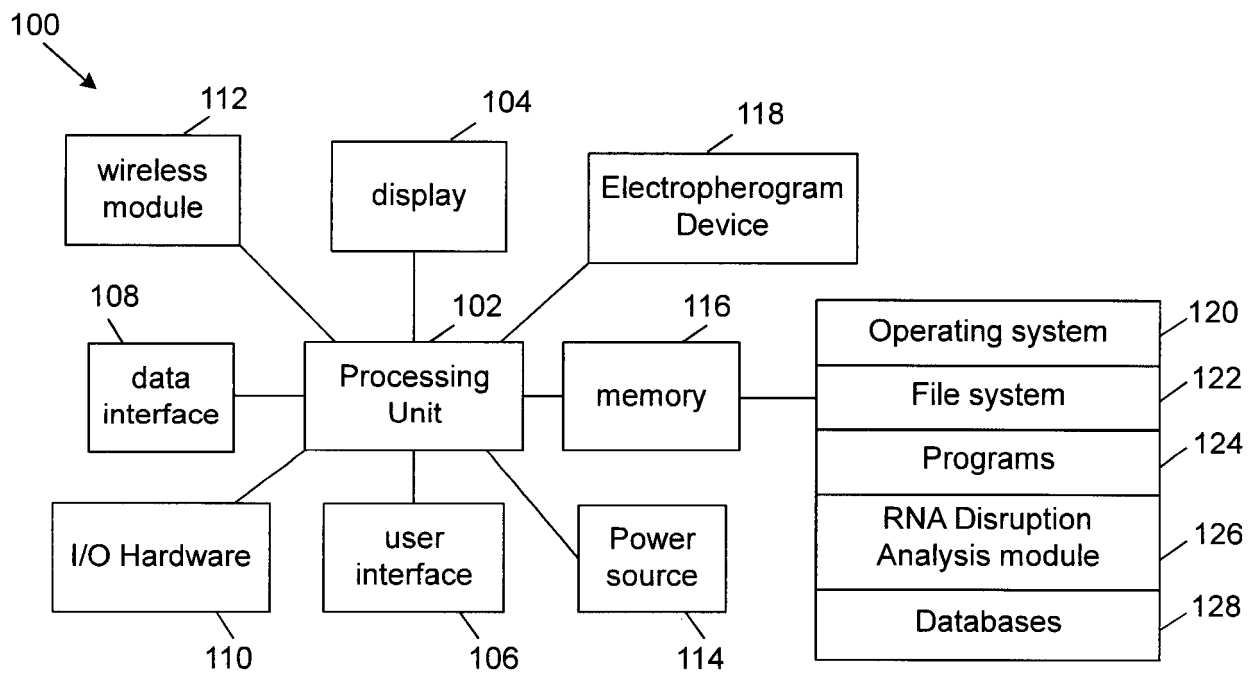
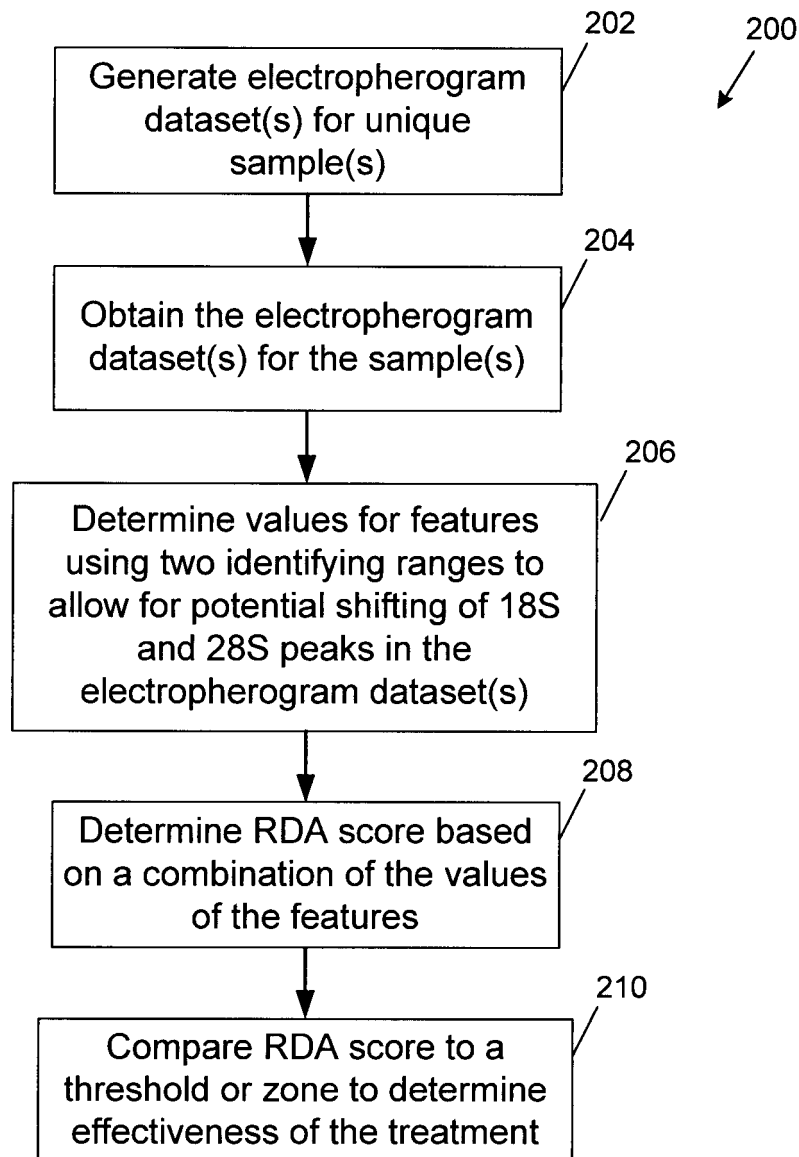
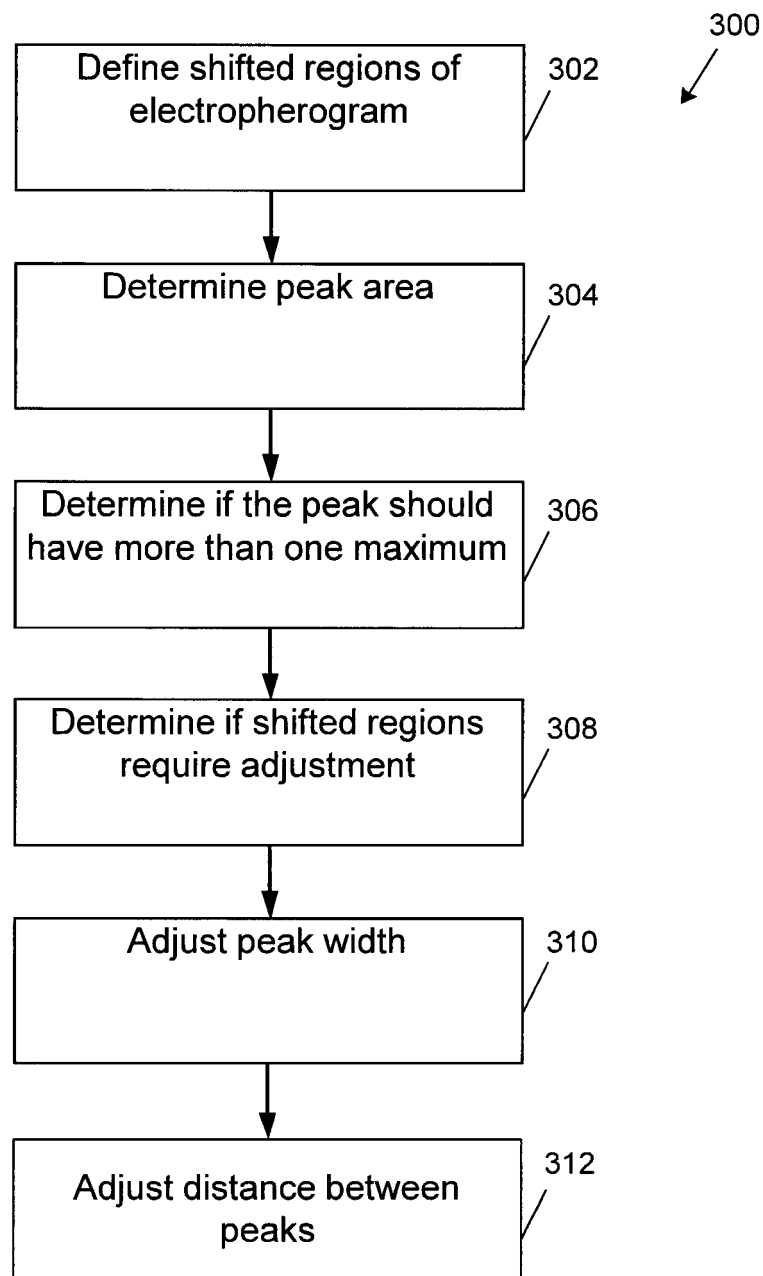


FIG. 4

**FIG. 5A**

**FIG. 5B**

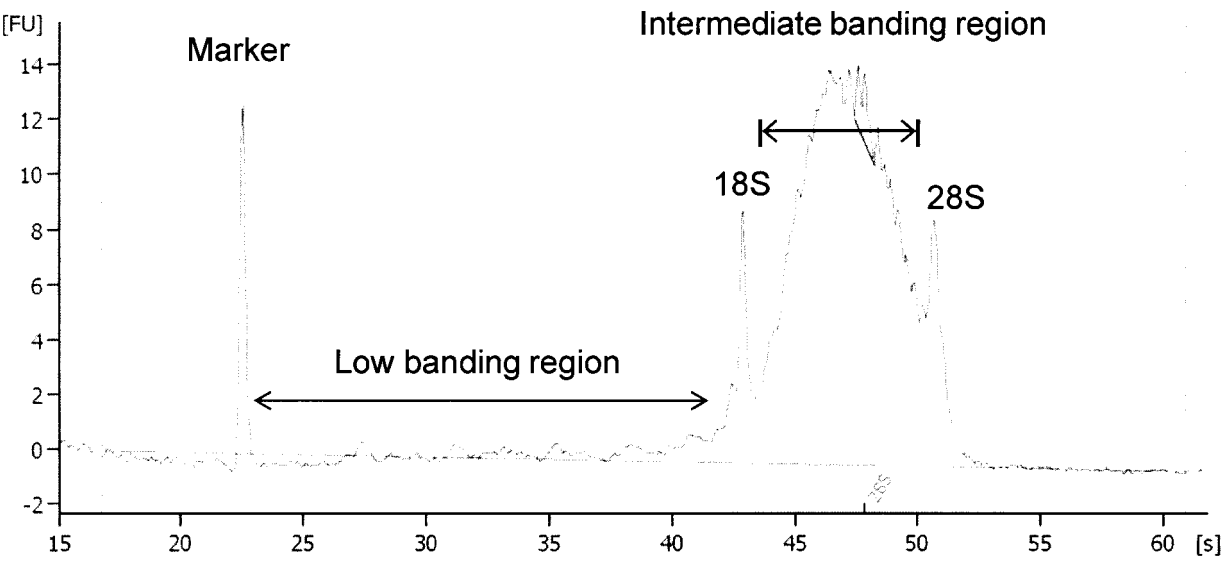
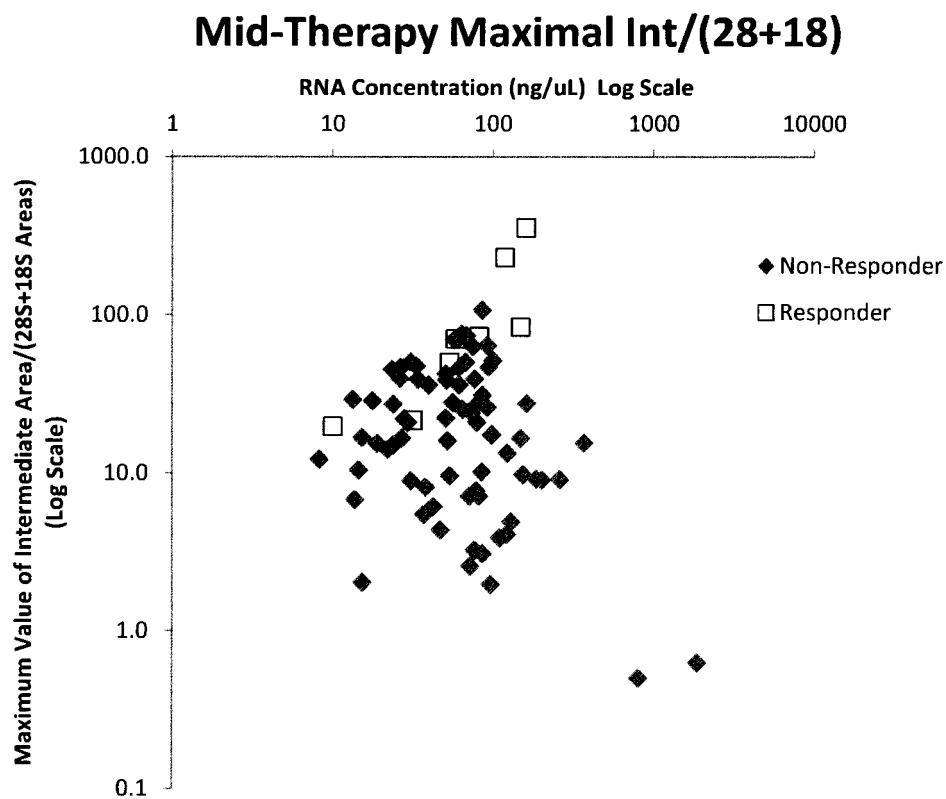
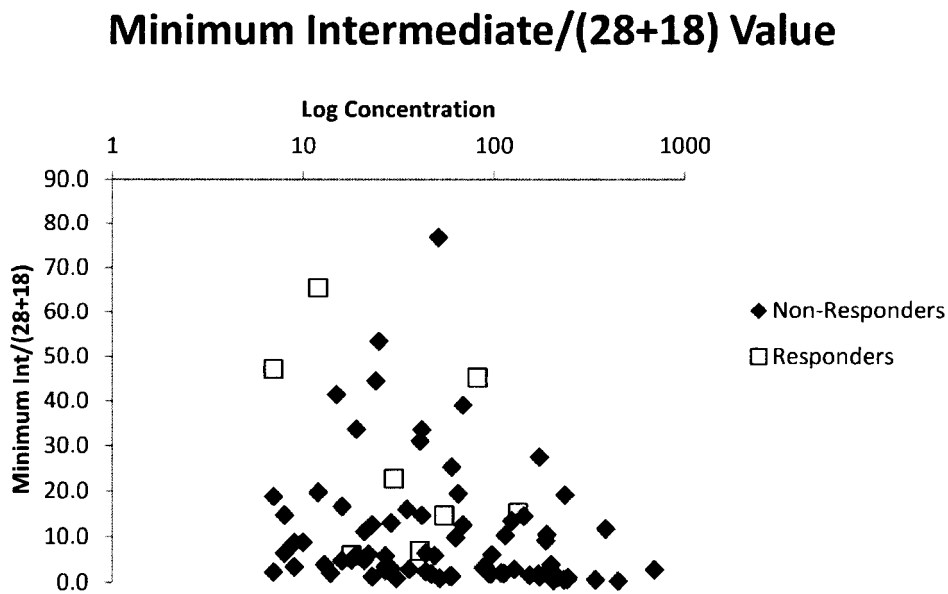
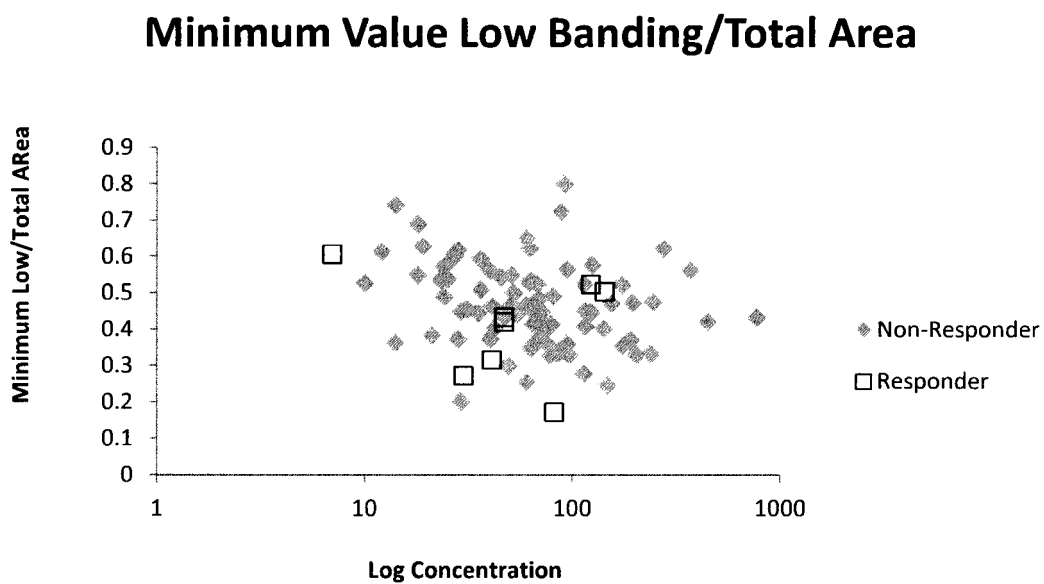
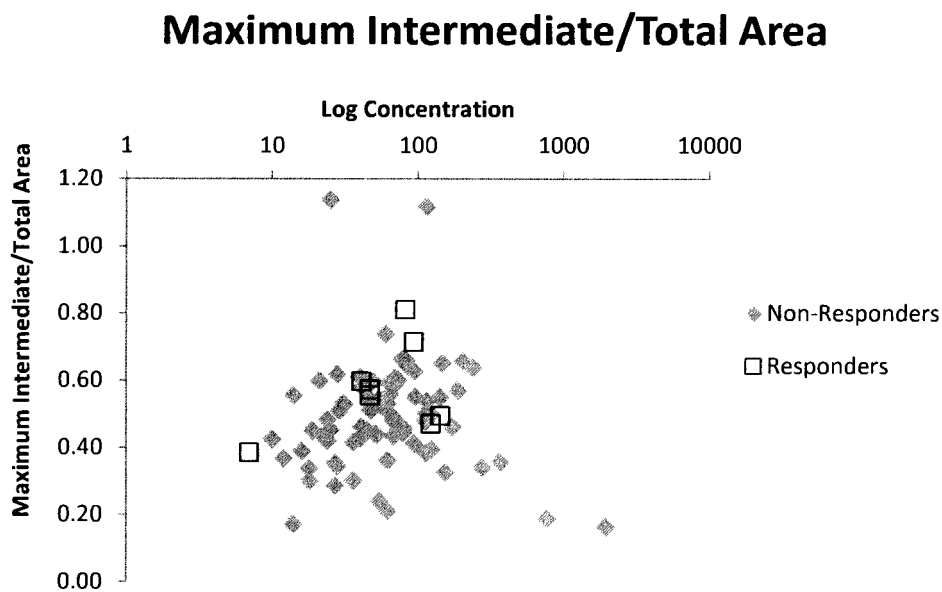
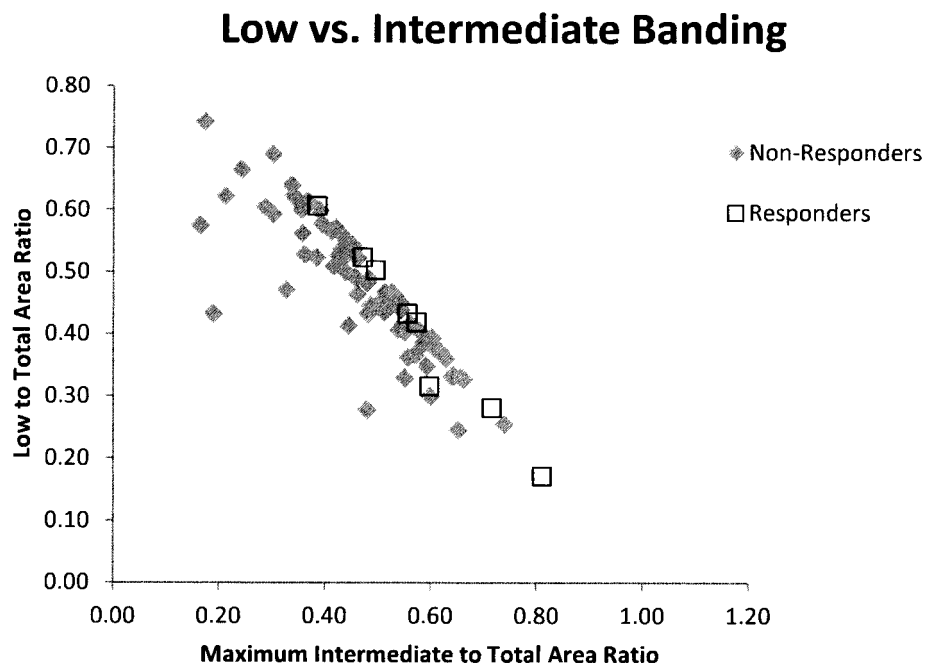
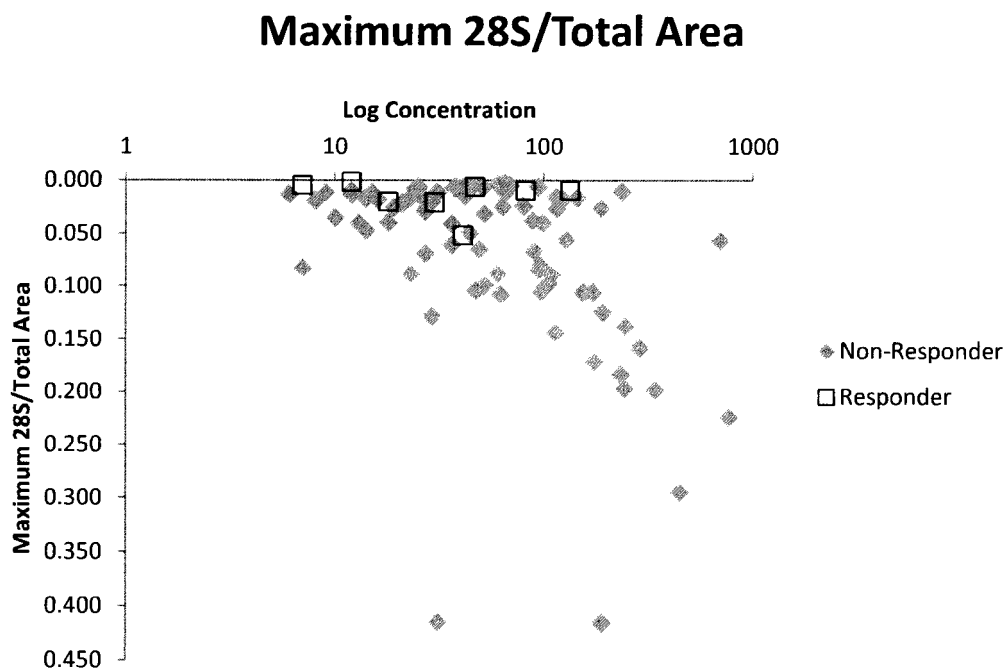


FIG. 5C

**FIG. 6A****FIG. 6B**



**FIG. 6E****FIG. 6F**

Minimum 28S/Total Area

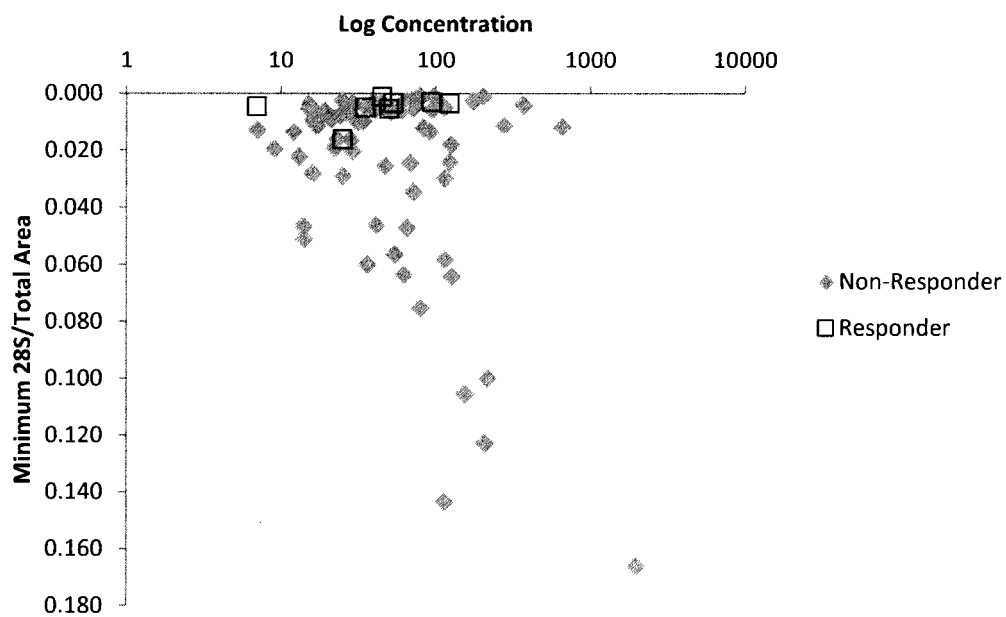


FIG. 6G

Maximum 18S/Total Area

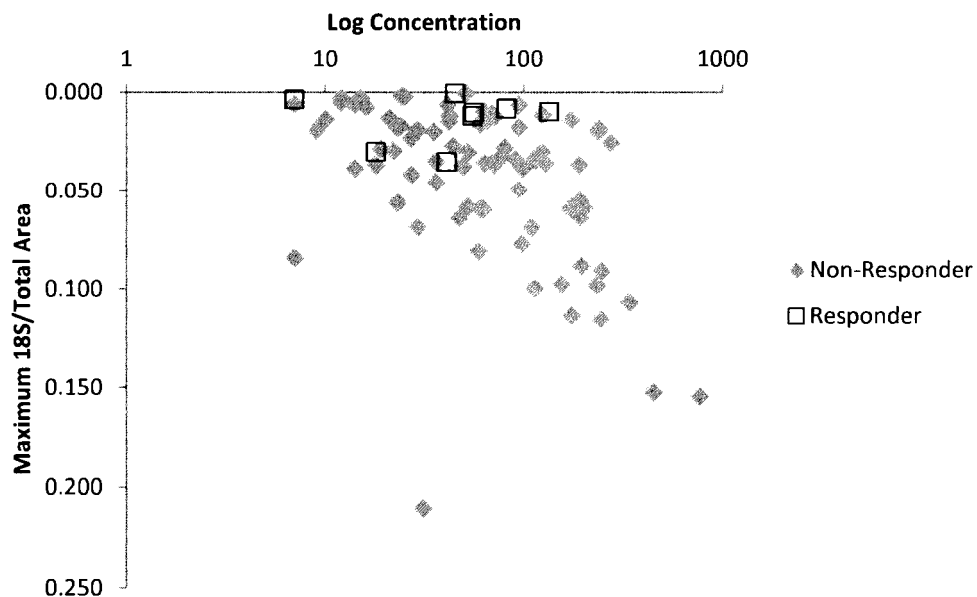
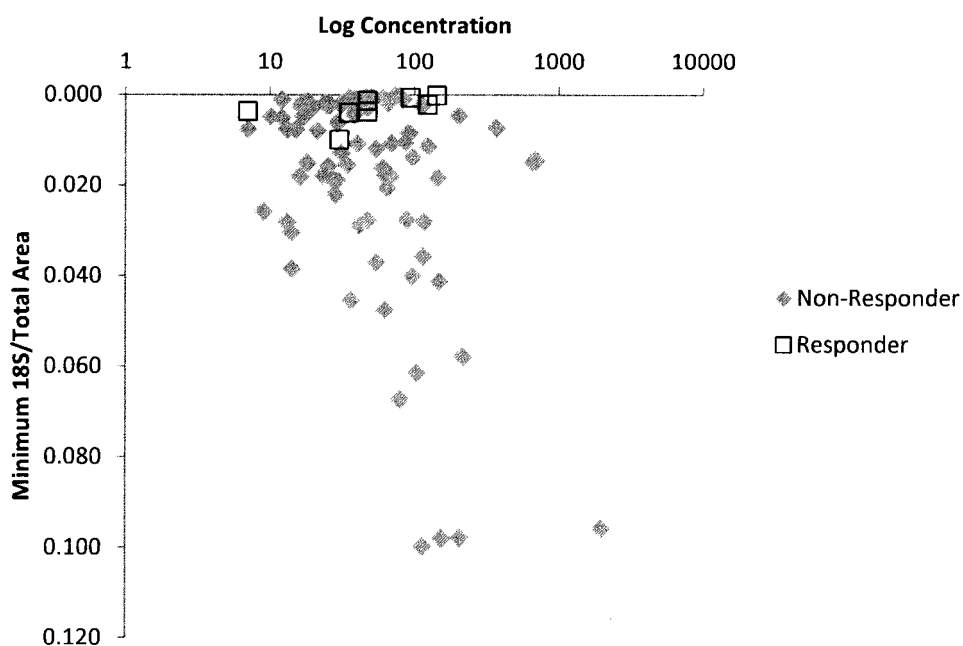
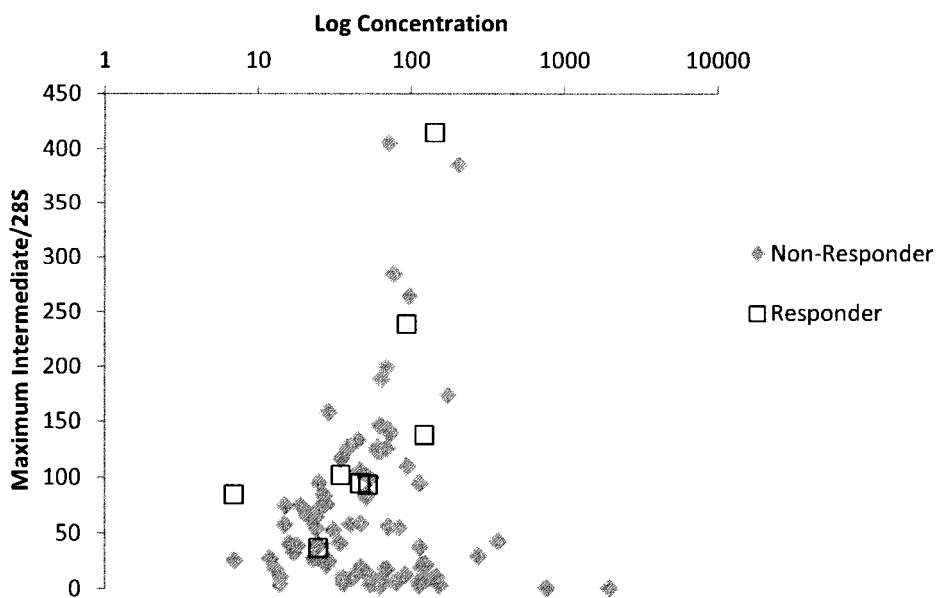


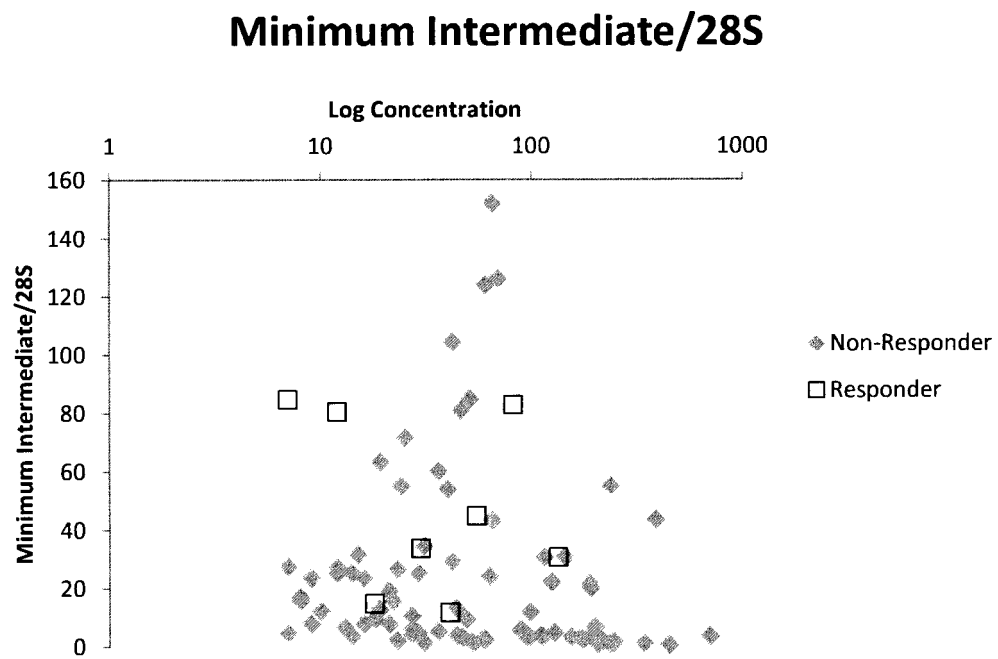
FIG. 6H

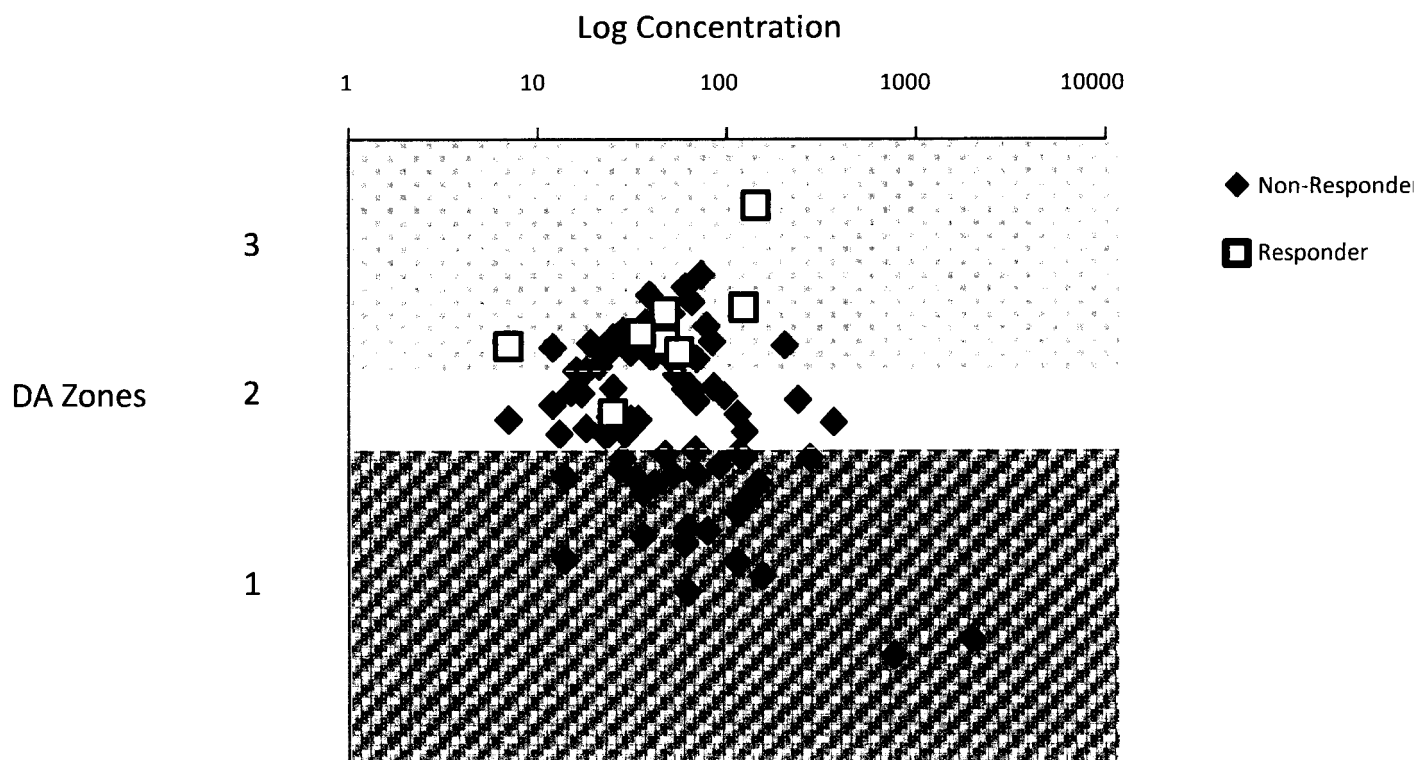
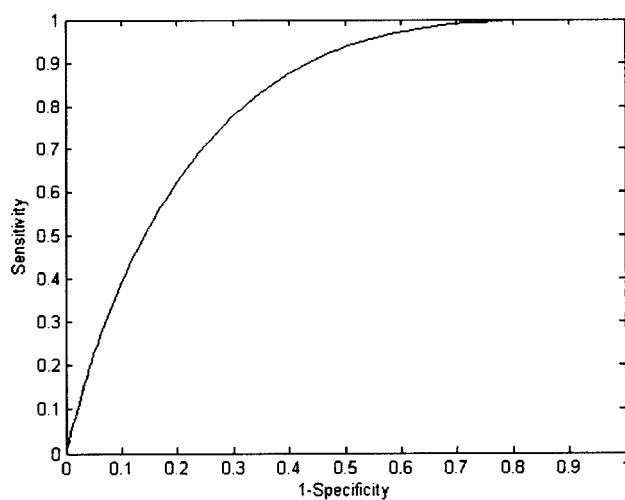
Minimum 18S/Total Area

**FIG. 6I**

Max Intermediate/28S

**FIG. 6J**

**FIG. 6K**

MA22 Patient Distribution in RDA Zones**FIG. 7A****Receiver Operating Characteristic for RDAv3 (AUC = 0.81)****FIG. 7B**

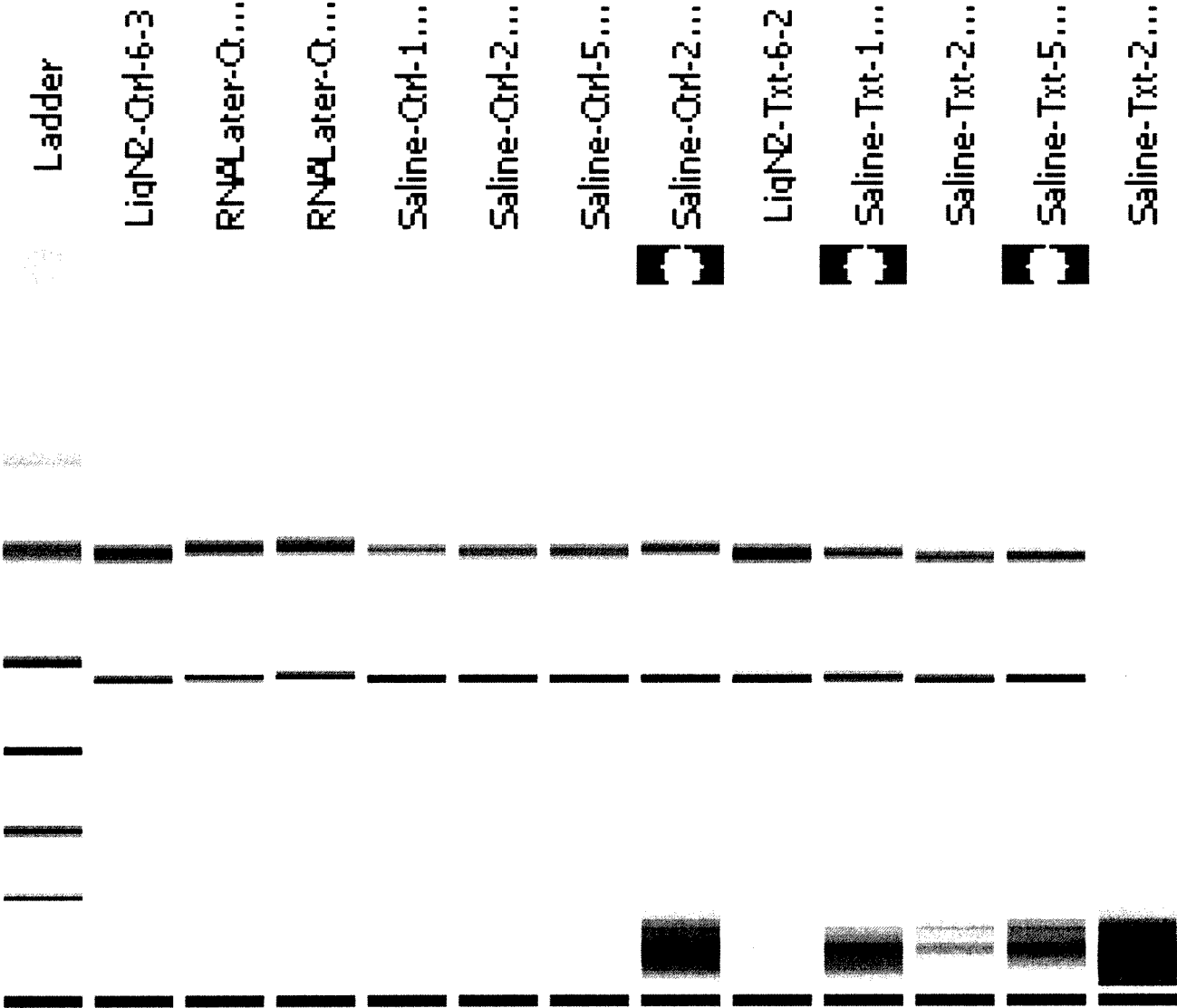


FIG. 8A

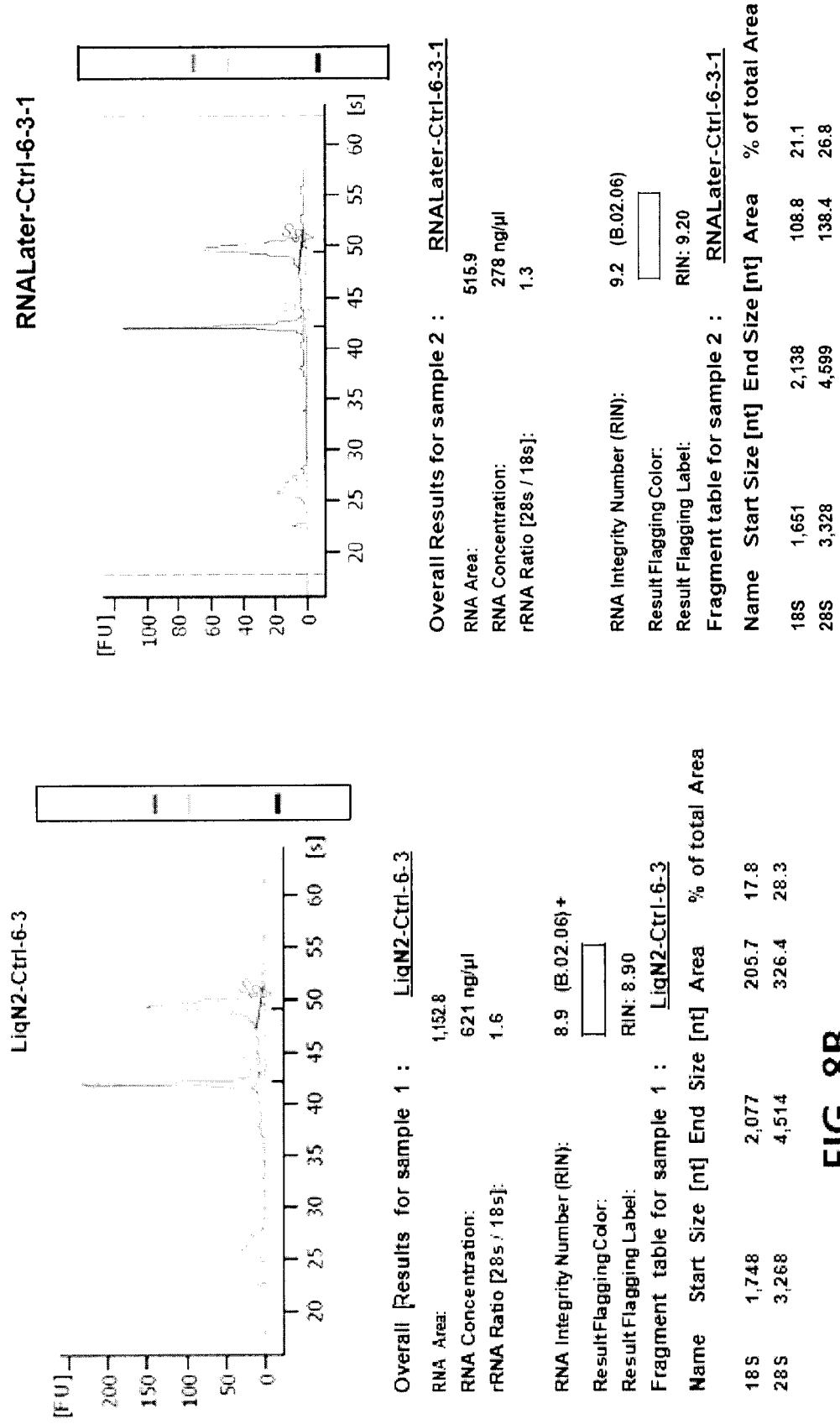


FIG. 8B

FIG. 8C

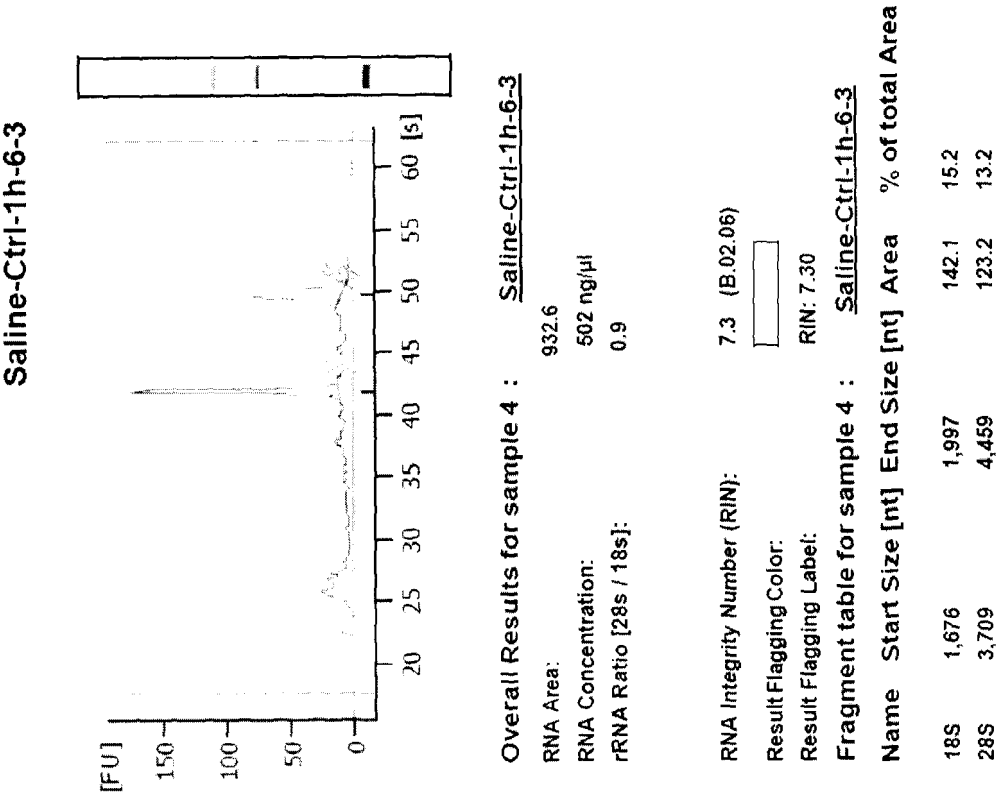


FIG. 8E

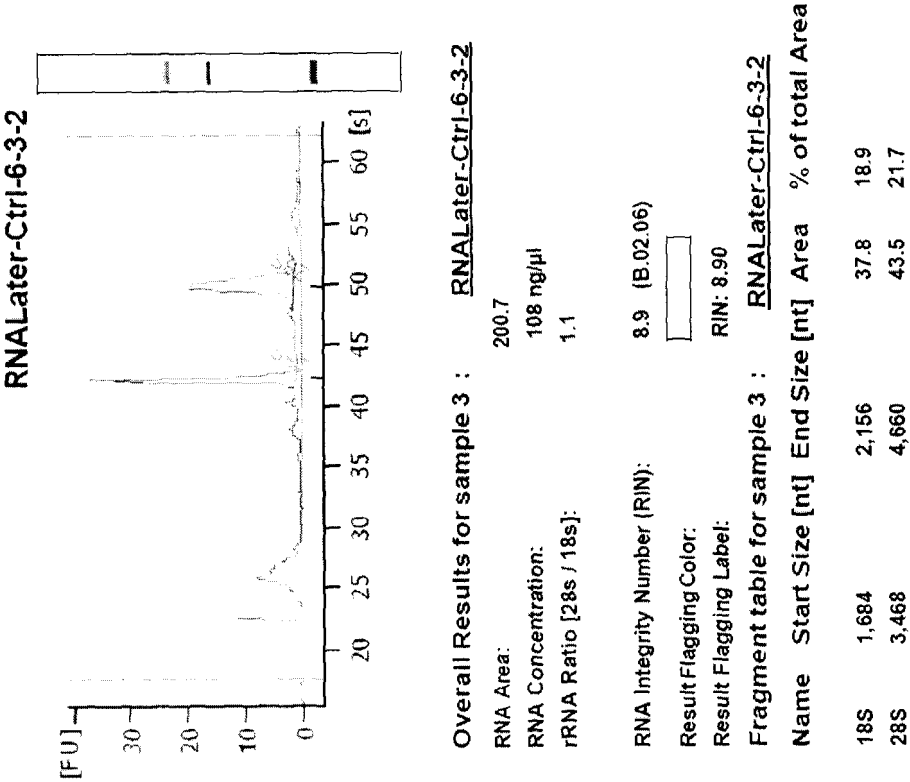


FIG. 8D

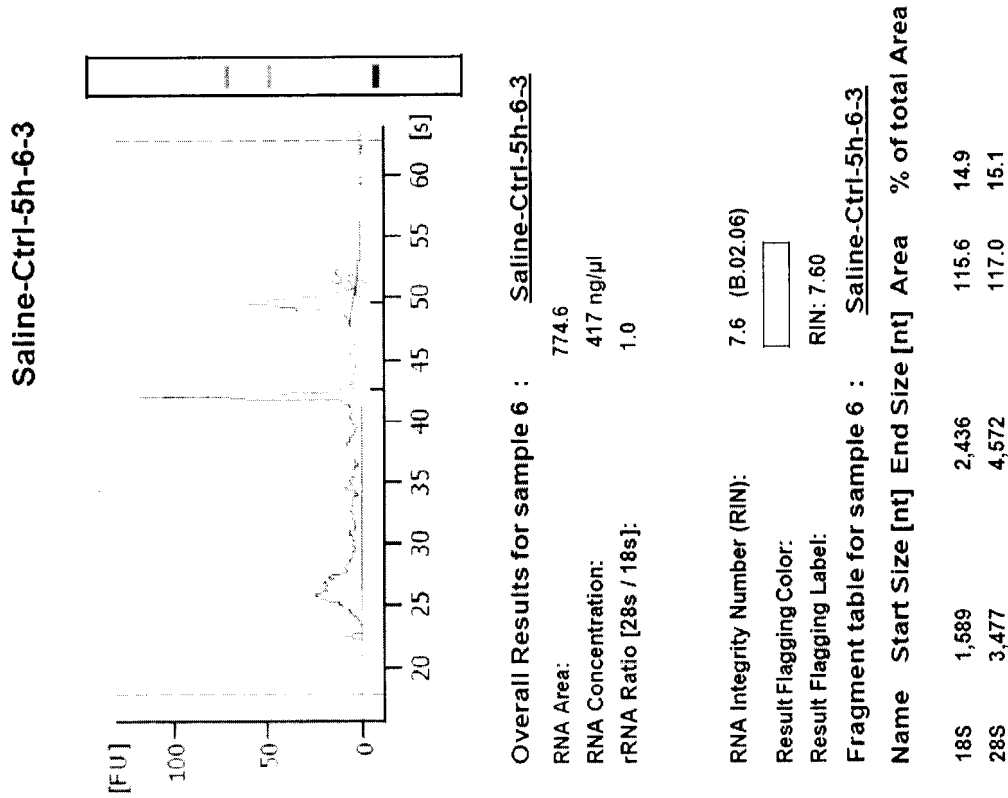


FIG. 8G

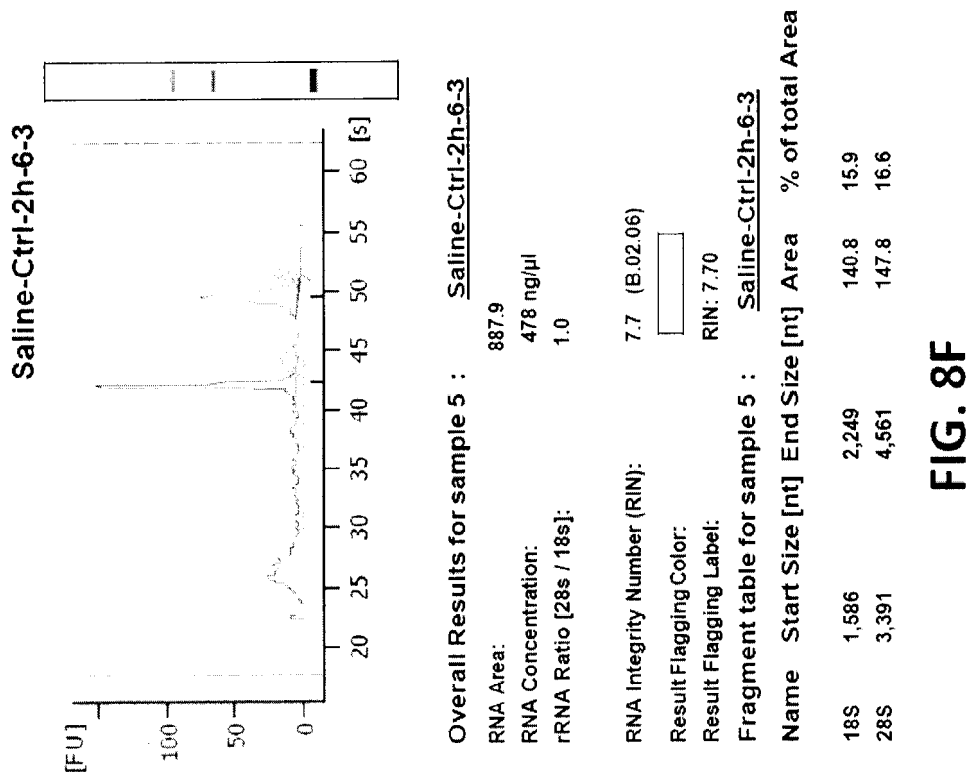
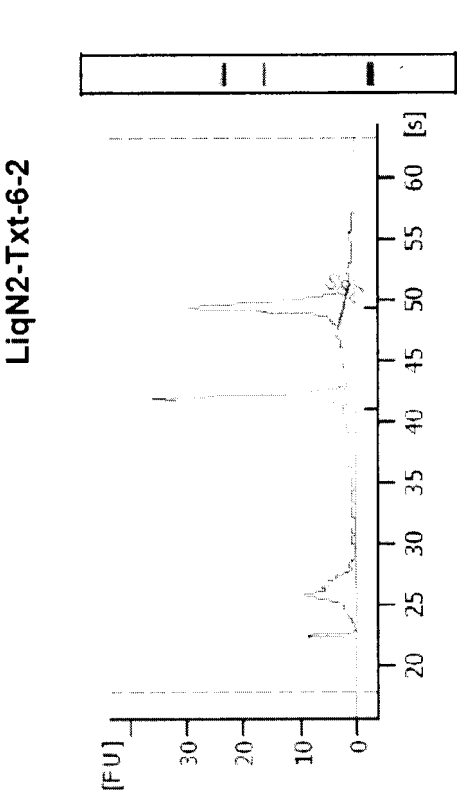


FIG. 8F



Overall Results for sample 7 : Saline-Ctrl-24h-6-3

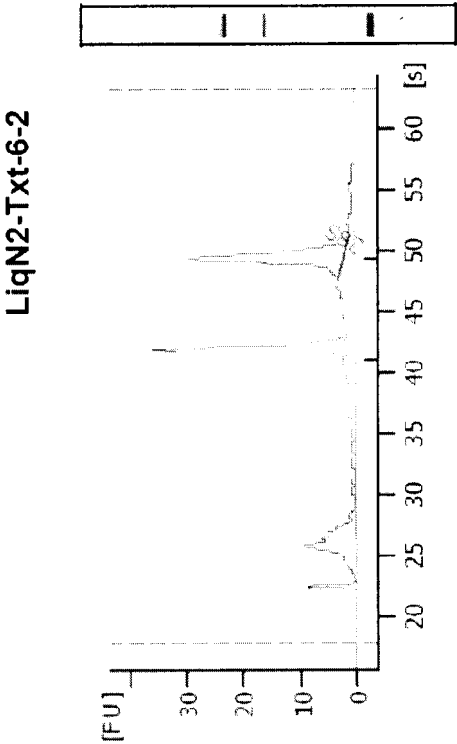
RNA Area: 682.3
RNA Concentration: 367 ng/ μ l
rRNA Ratio [28s / 18s]: 0.9

RNA Integrity Number (RIN): N/A (B.02.06)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 7 : Saline-Ctrl-24h-6-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	2,476	50.5	7.4
28S	3,289	4,617	47.6	7.0

FIG. 8H



Overall Results for sample 8 : LiqN2-Txt-6-2

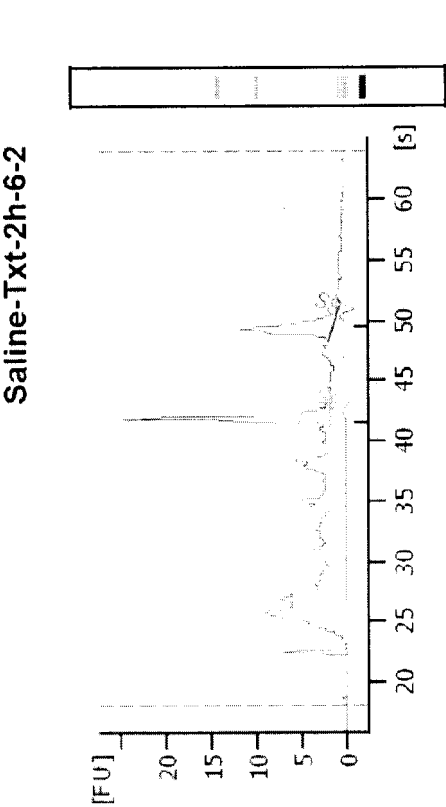
RNA Area: 250.5
RNA Concentration: 135 ng/ μ l
rRNA Ratio [28s / 18s]: 1.2

RNA Integrity Number (RIN): 9.1 (B.02.06)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

Fragment table for sample 8 : LiqN2-Txt-6-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,196	2,162	46.1	18.4
28S	3,373	4,462	54.6	21.8

FIG. 8I



Overall Results for sample 10 : Saline-Txt-2h-6-2

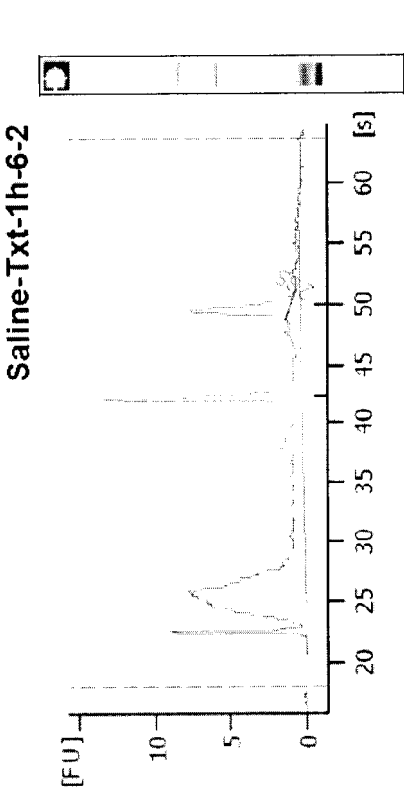
RNA Area: 278.5
RNA Concentration: 150 ng/ μ l
rRNA Ratio [28s / 18s]: 0.7

RNA Integrity Number (RIN): 6.5 (B.02.06)
Result Flagging Color:
Result Flagging Label: RIN: 6.50

Fragment table for sample 10 : Saline-Txt-2h-6-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,351	2,253	27.3	9.8
28S	3,575	4,415	18.5	6.6

FIG. 8K



Overall Results for sample 9 : Saline-Txt-1h-6-2

RNA Area: 158.5
RNA Concentration: 85 ng/ μ l
rRNA Ratio [28s / 18s]: 0.8

RNA Integrity Number (RIN): N/A (B.02.06)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 9 : Saline-Txt-1h-6-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,145	13.2	8.3
28S	3,736	4,477	10.2	6.4

FIG. 8J

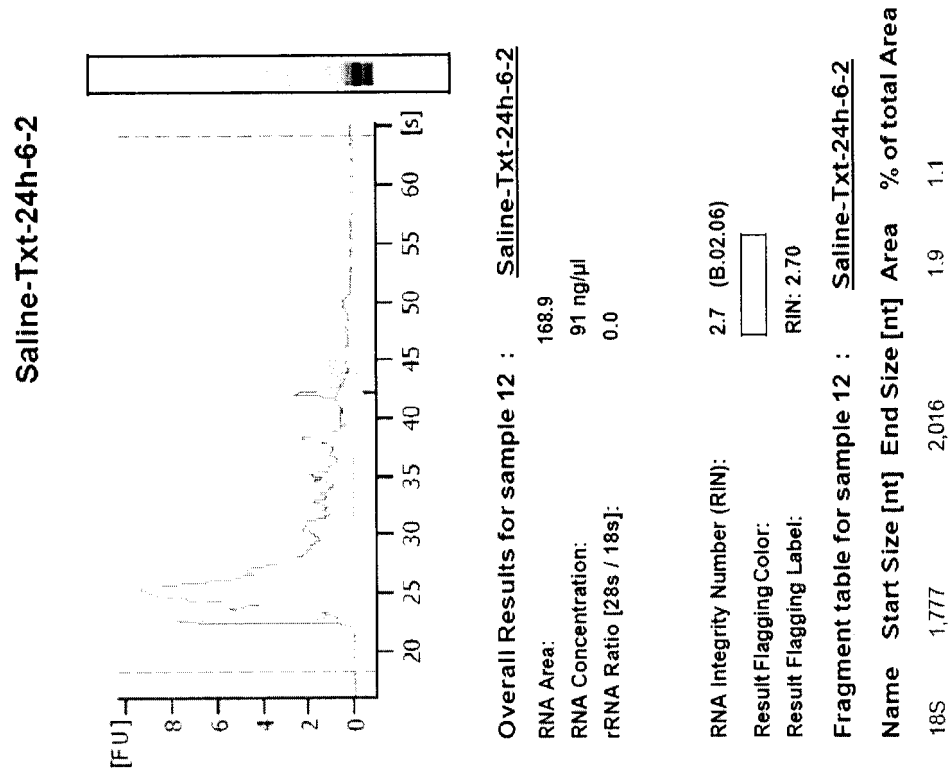


FIG. 8L

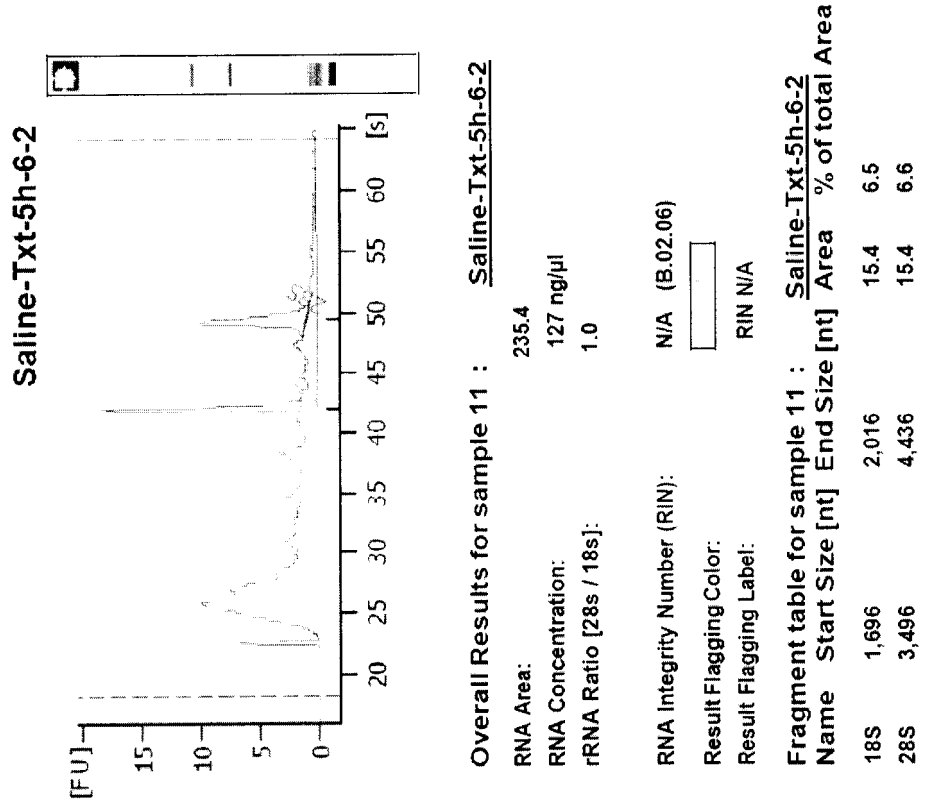


FIG. 8M

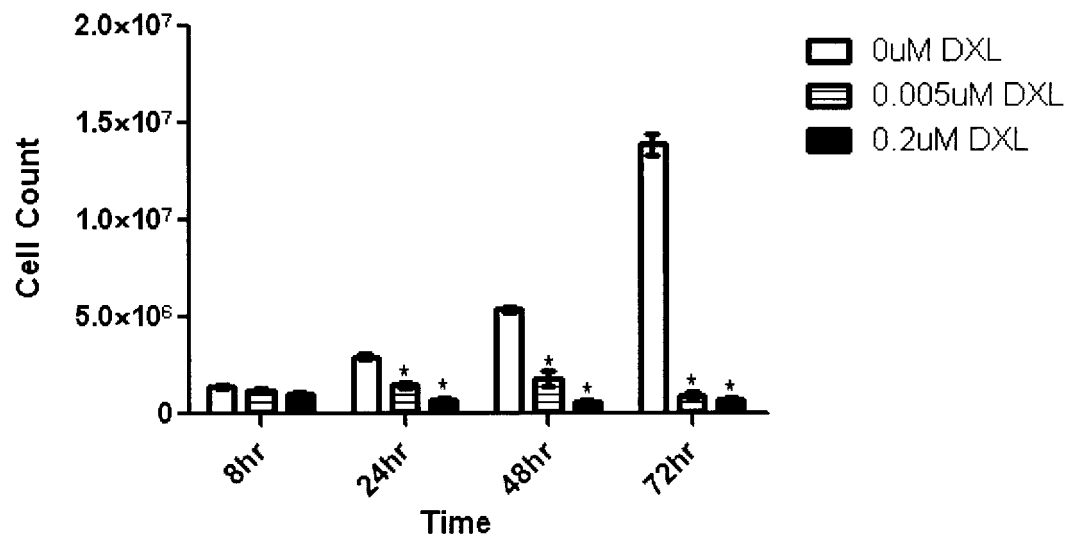
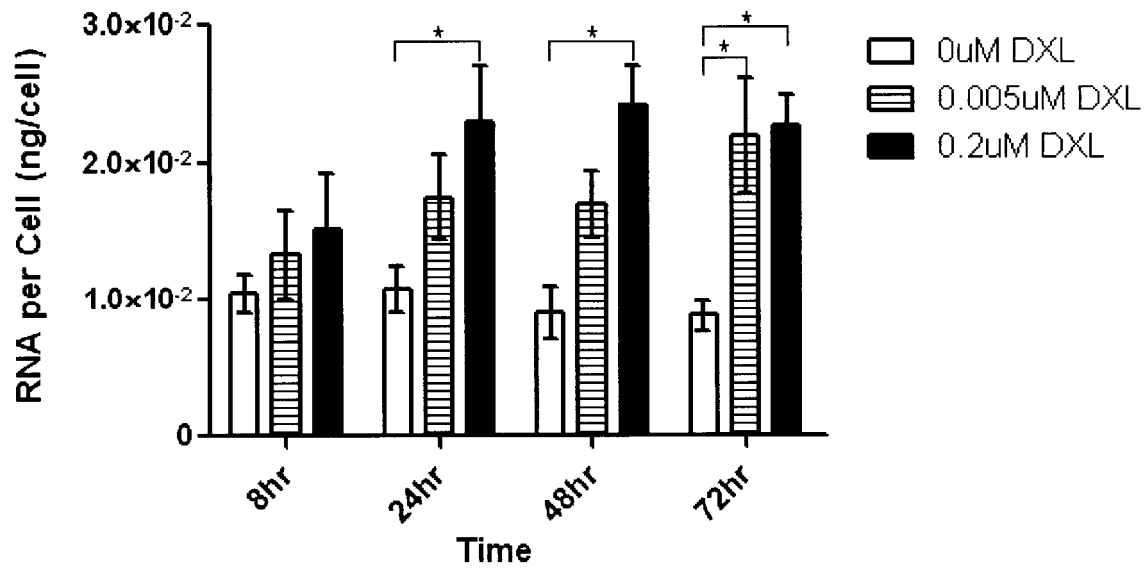
FIG. 9A**FIG. 9B**

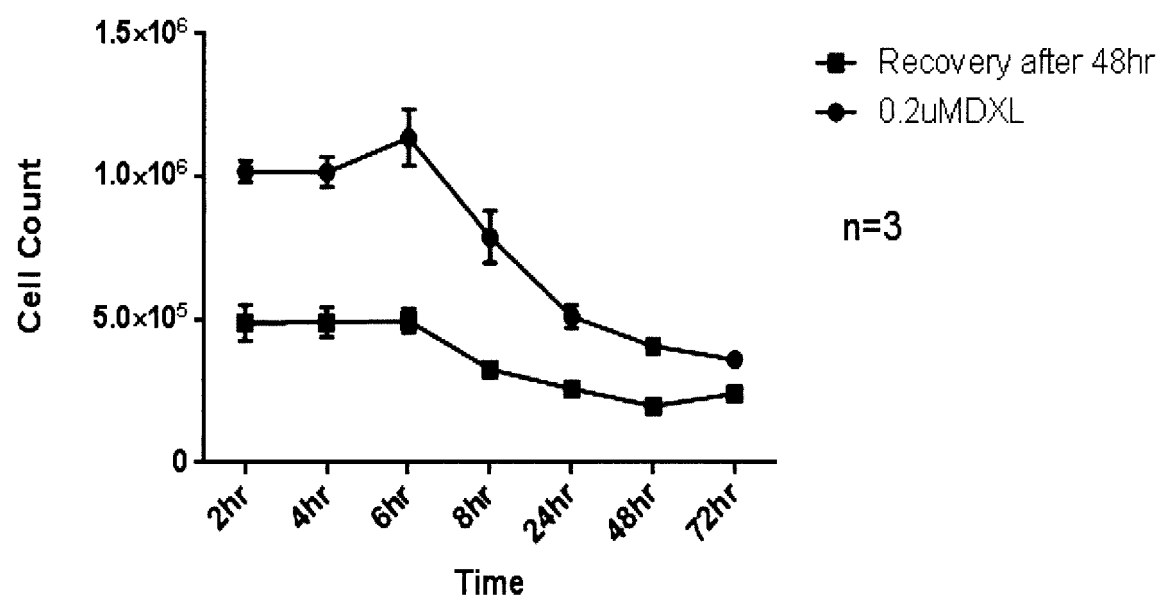
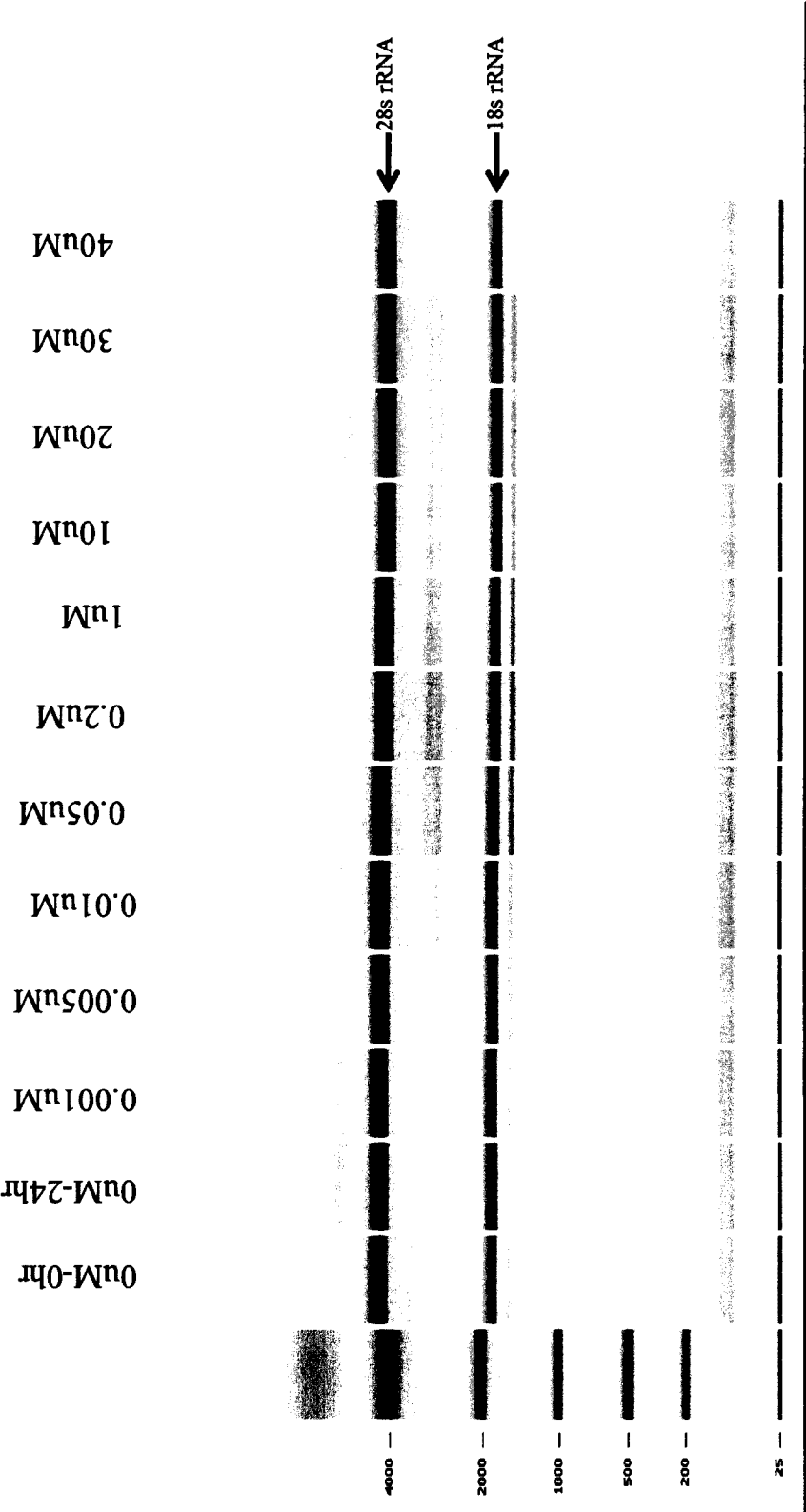
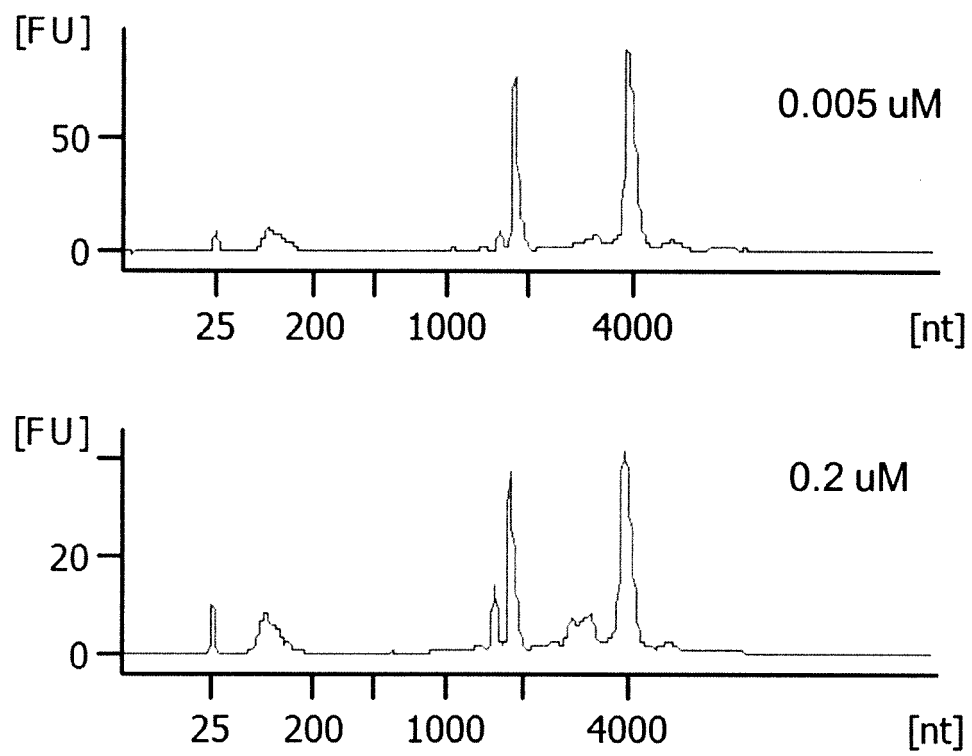
FIG. 9C

FIG. 9D

Dose Response: Bioanalyzer



**FIG. 9E**

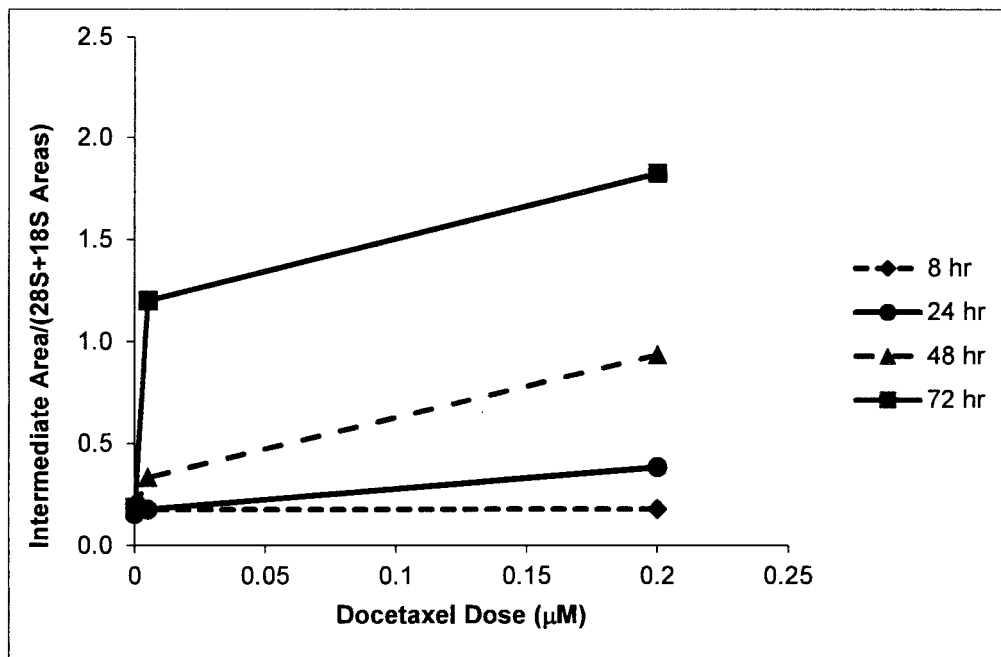
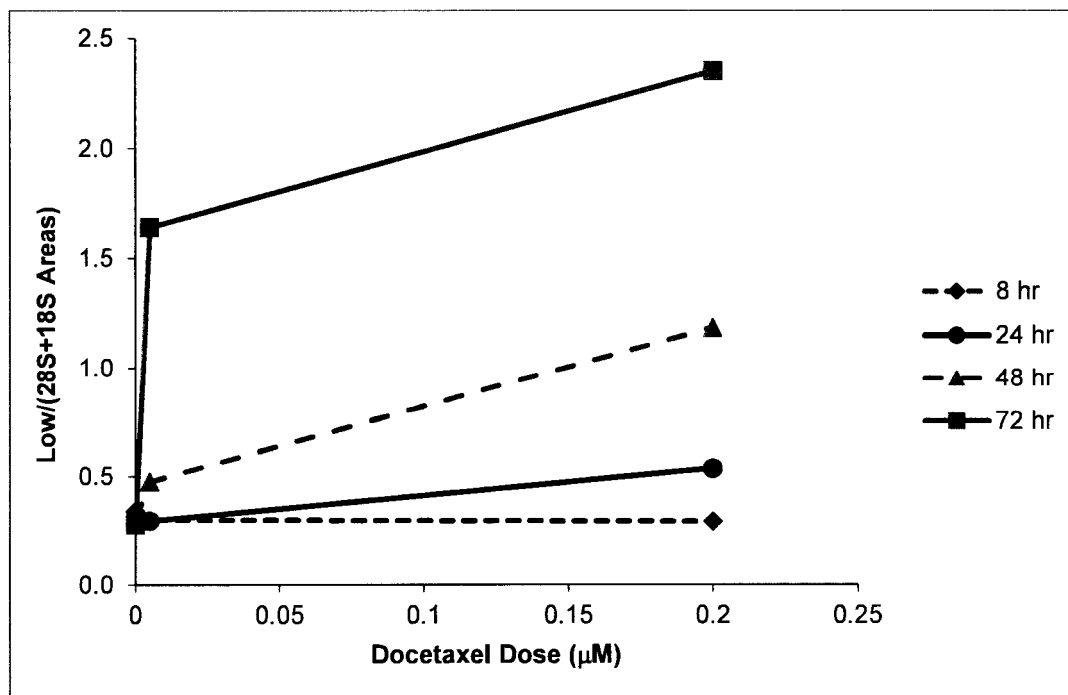
**FIG. 9F****FIG. 9G**

FIG. 9H

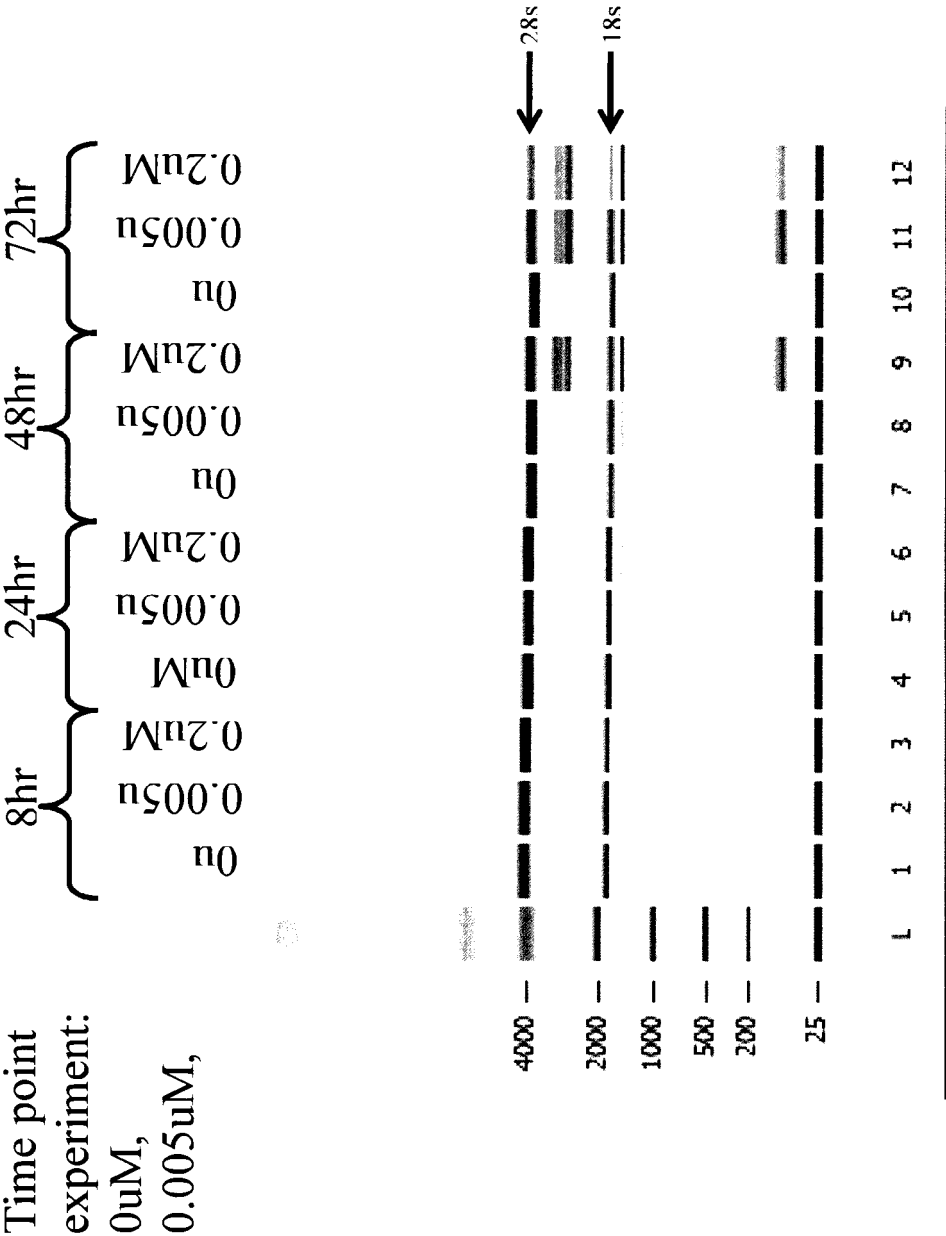


FIG. 9I

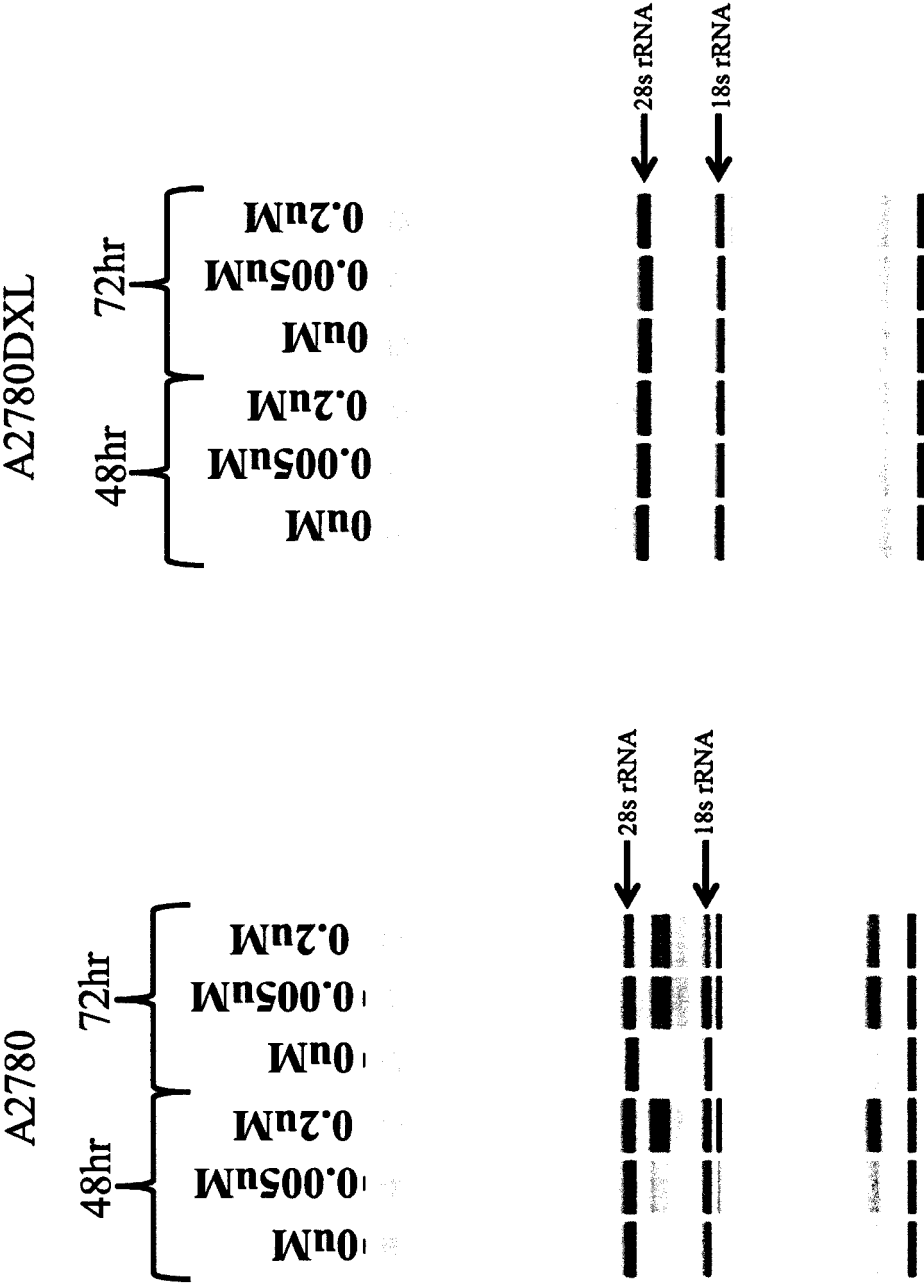
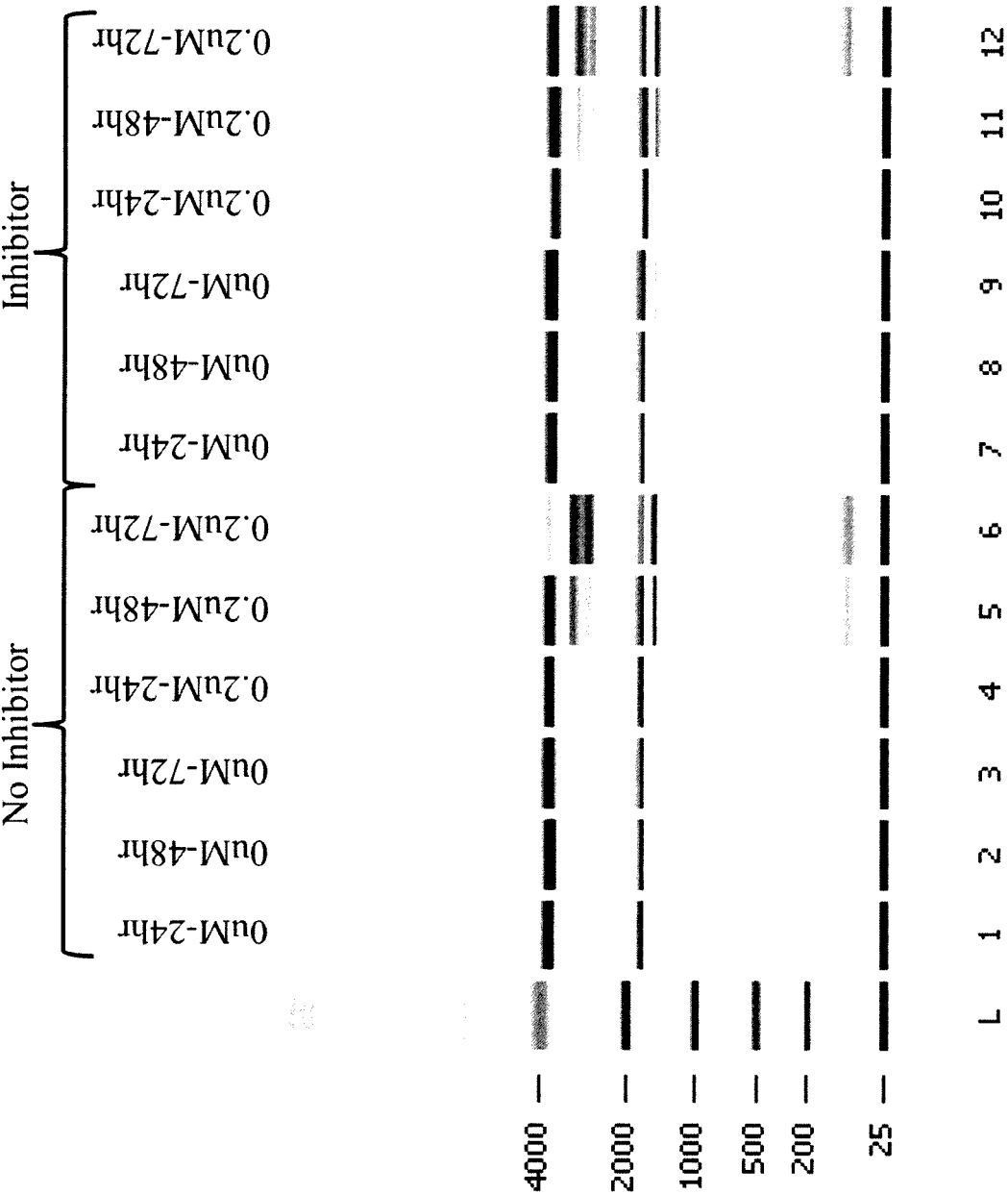


FIG. 9J



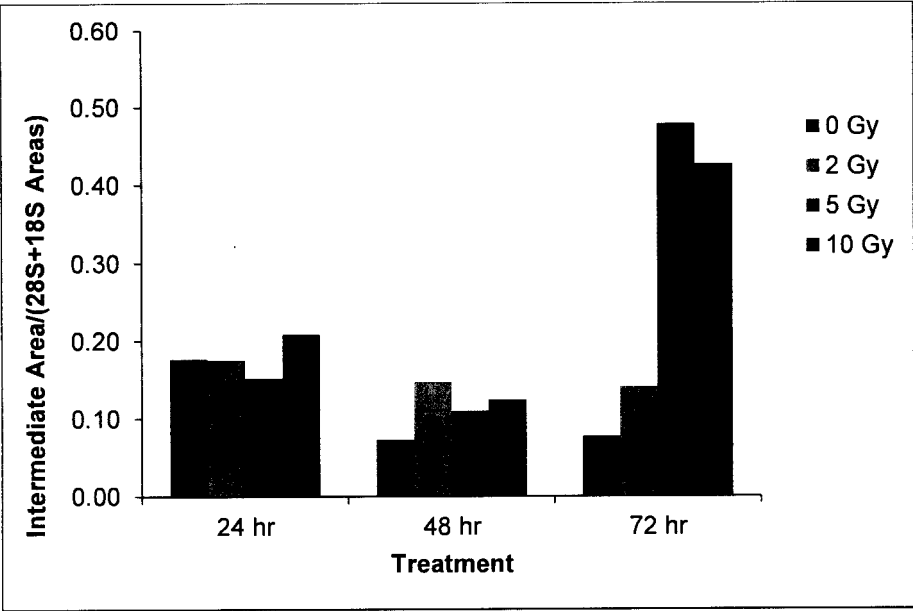
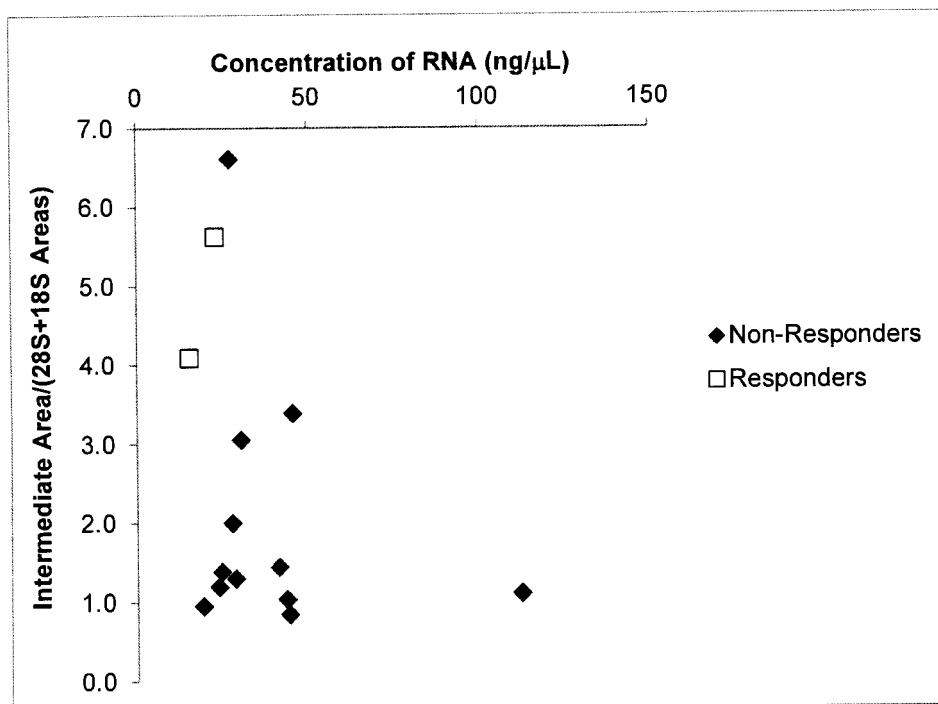
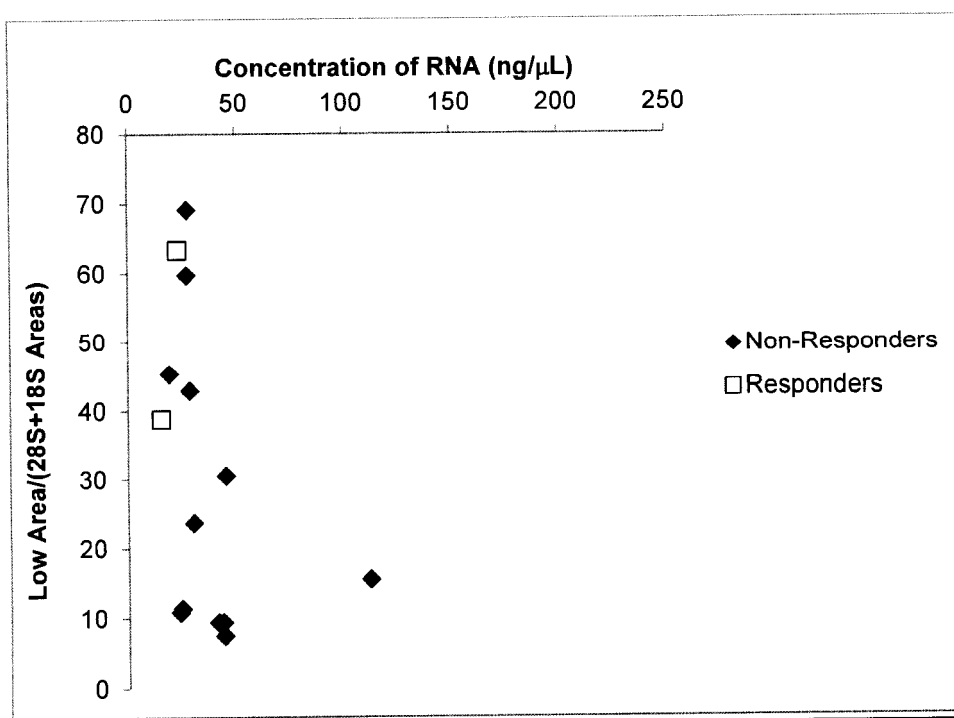


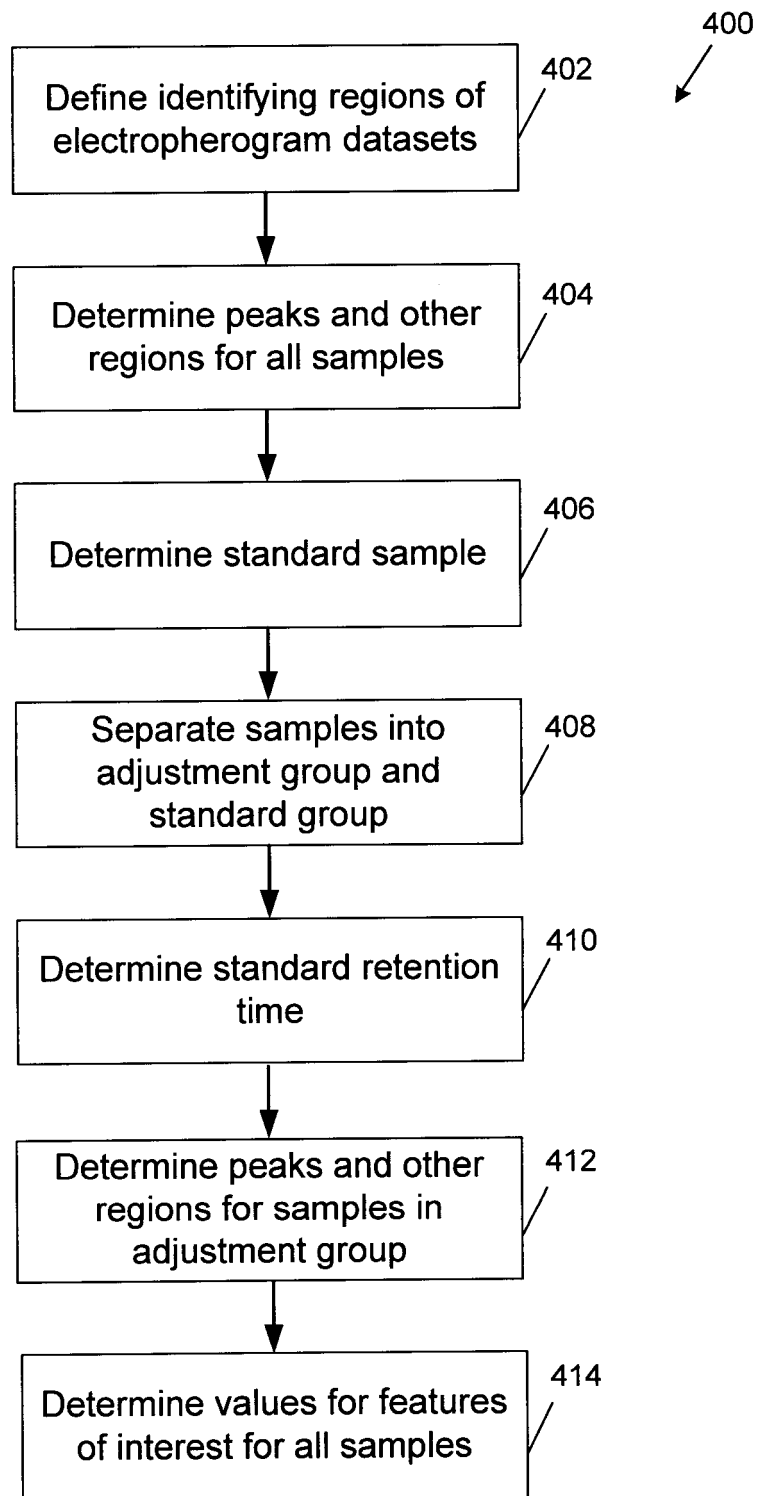
FIG. 10A

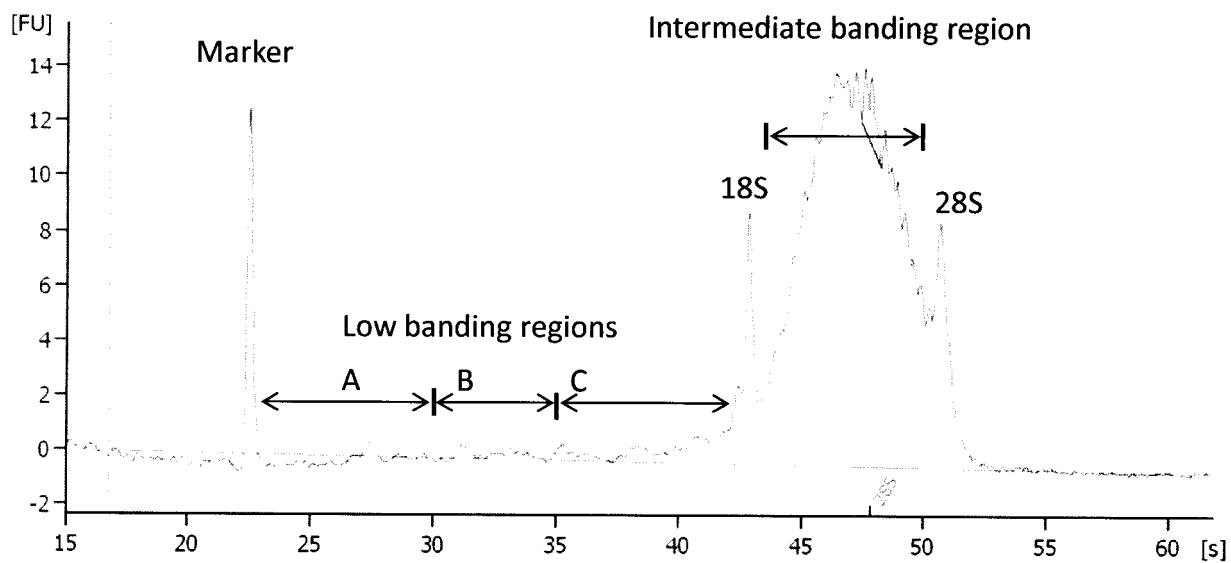
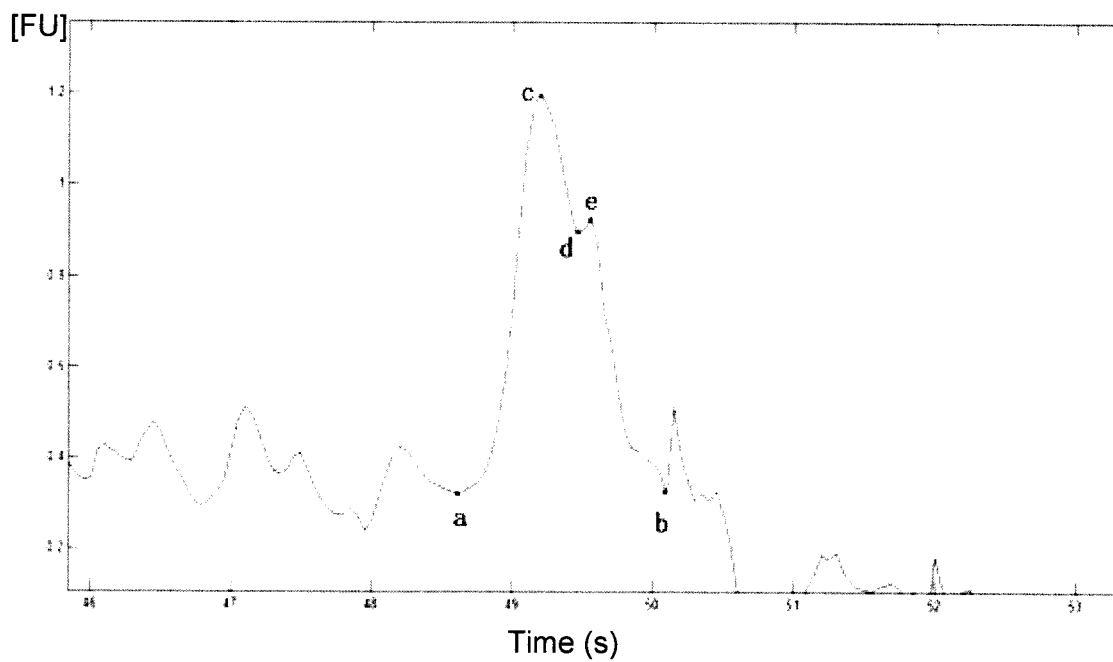
Effect of Radiation on RNA Disruption in A2780 Cells



FIG. 10B

**FIG. 11A****FIG. 11B**

**FIG. 12A**

**FIG. 12B****FIG. 12C**

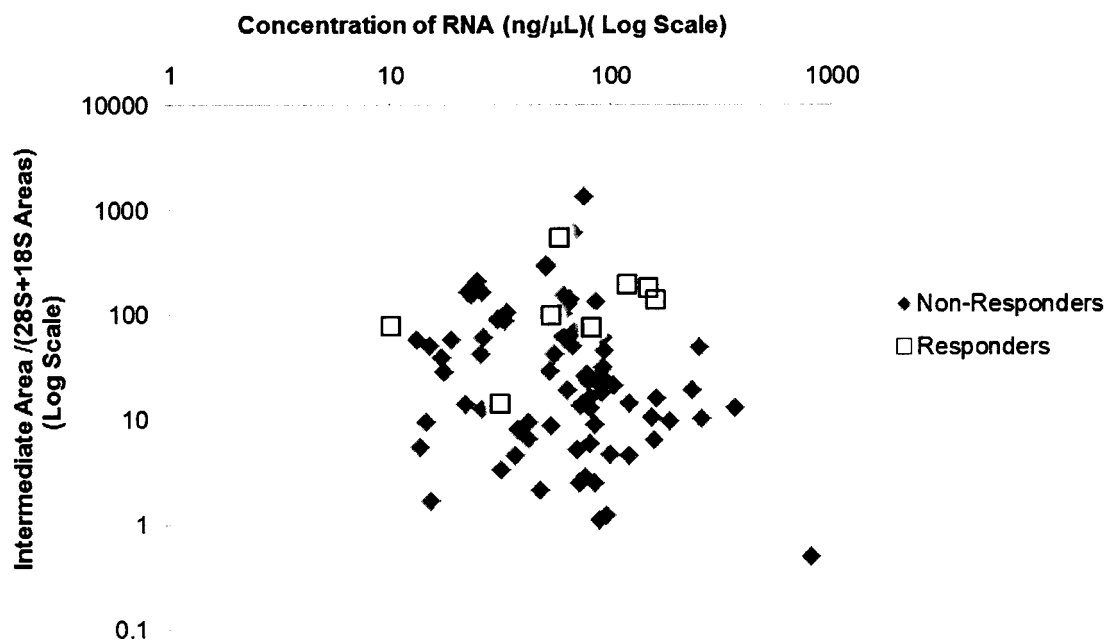


FIGURE 13

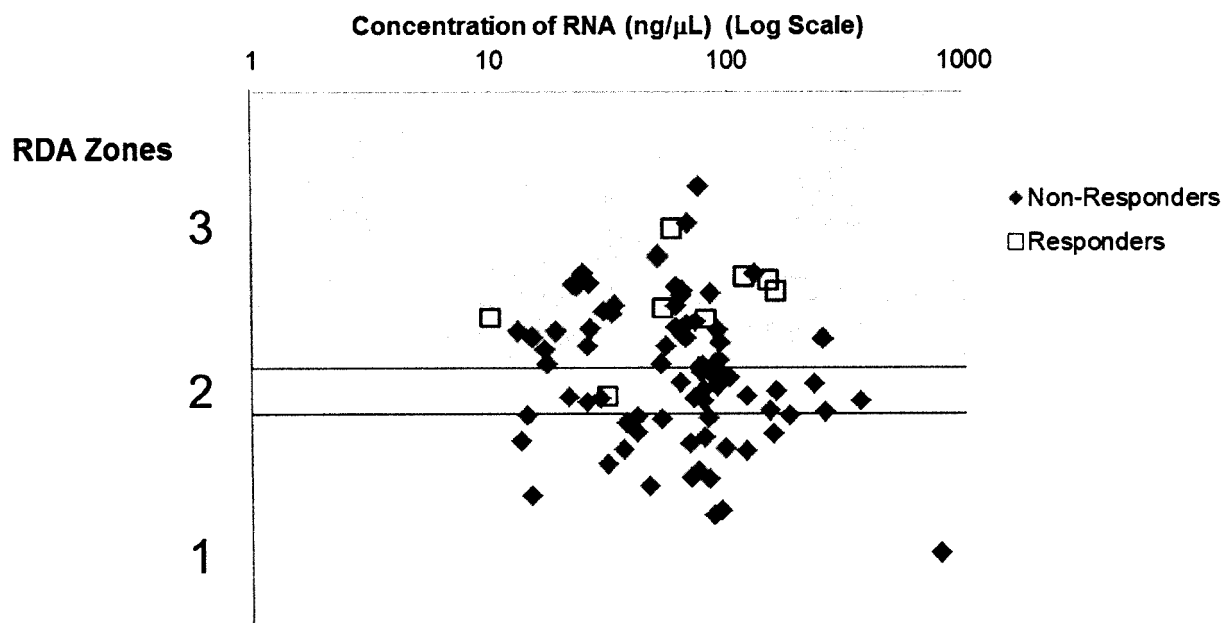


FIGURE 14A

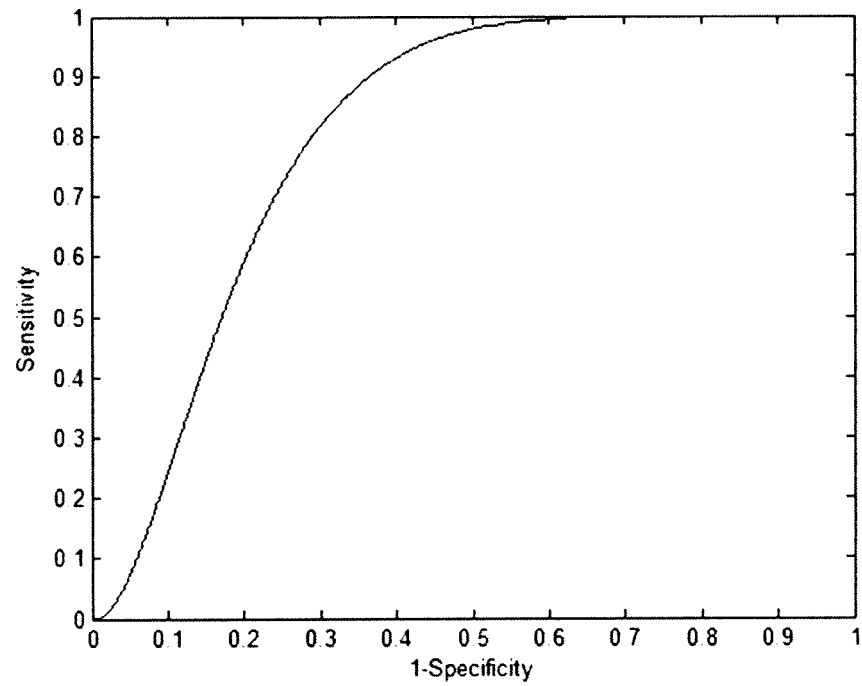


FIGURE 14B

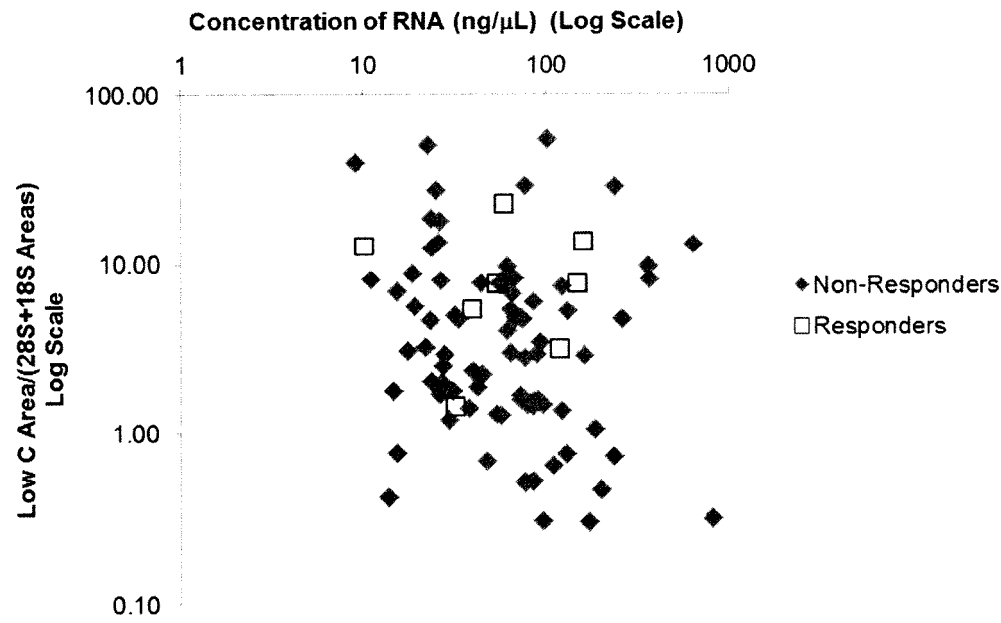
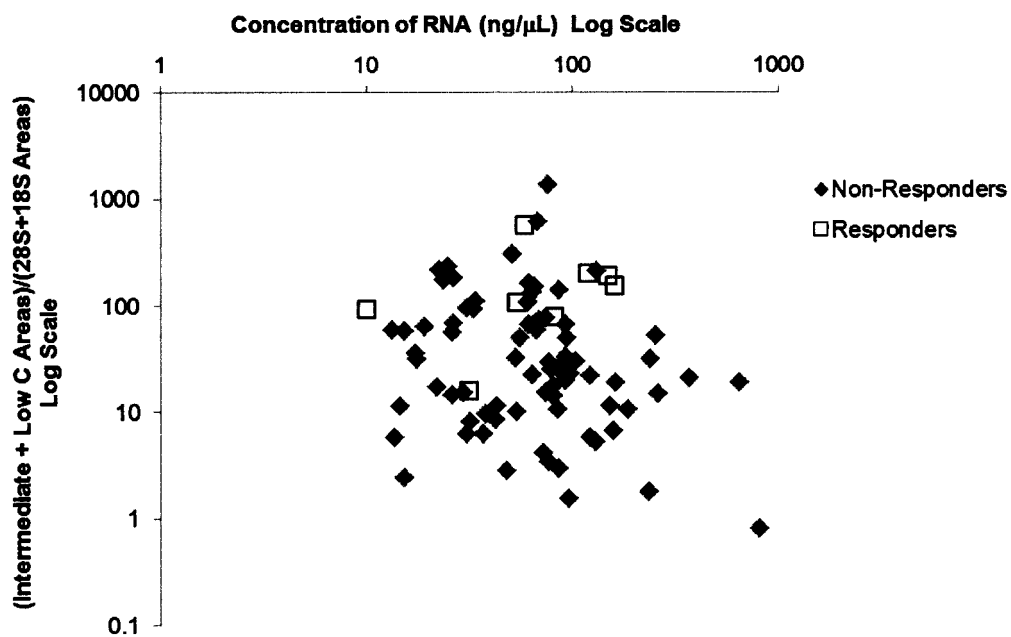
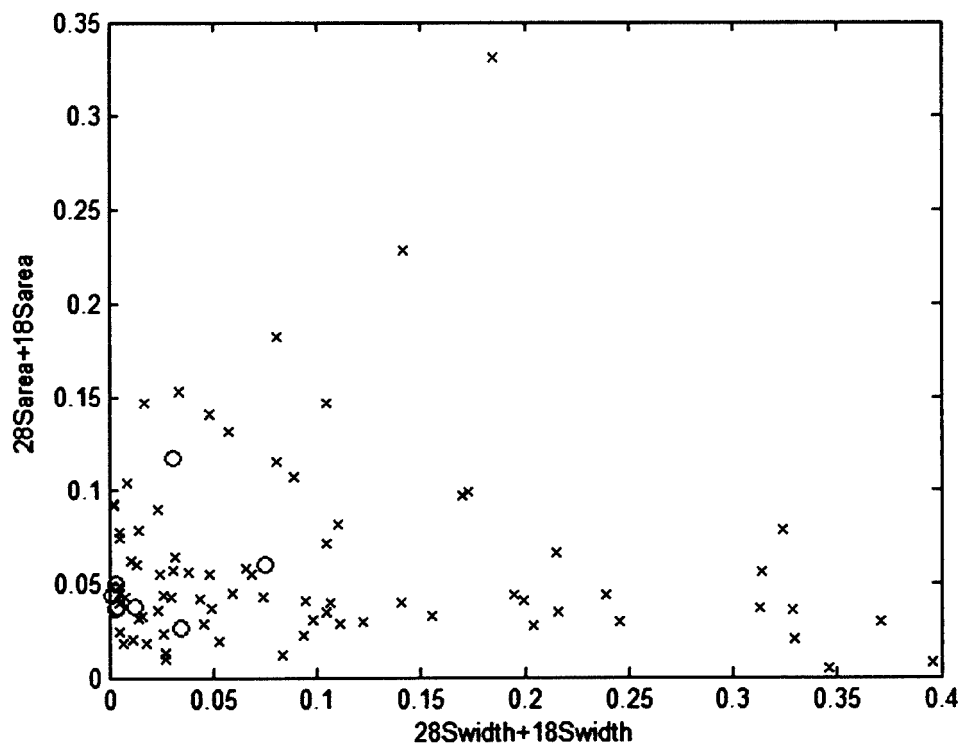
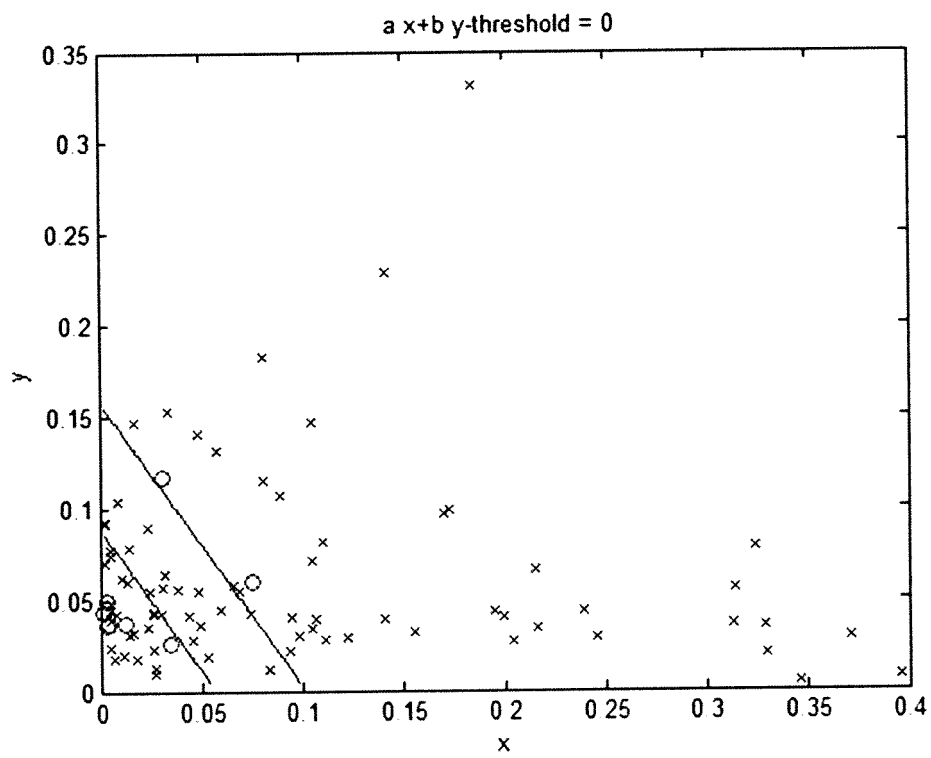
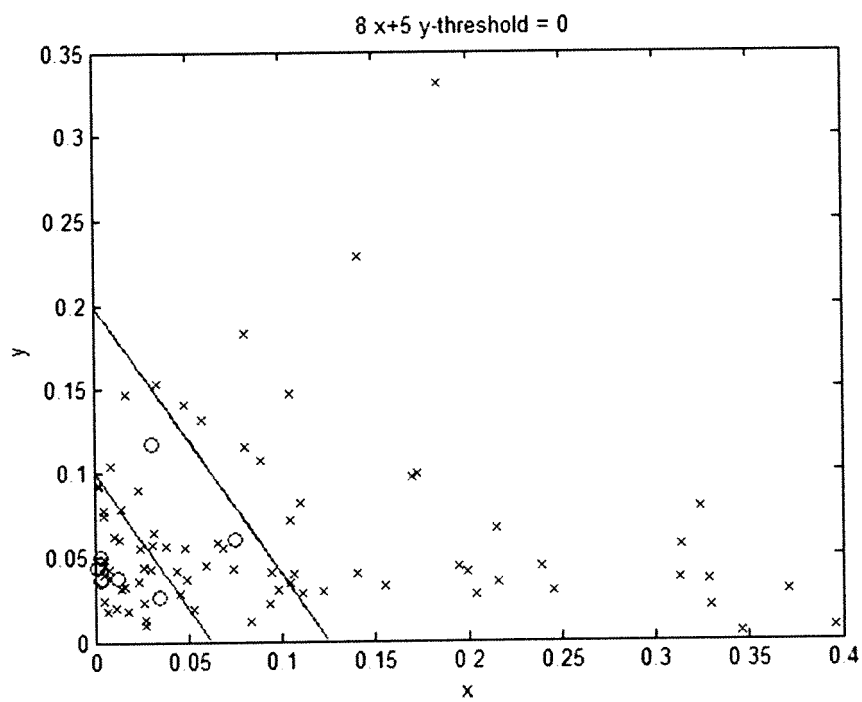
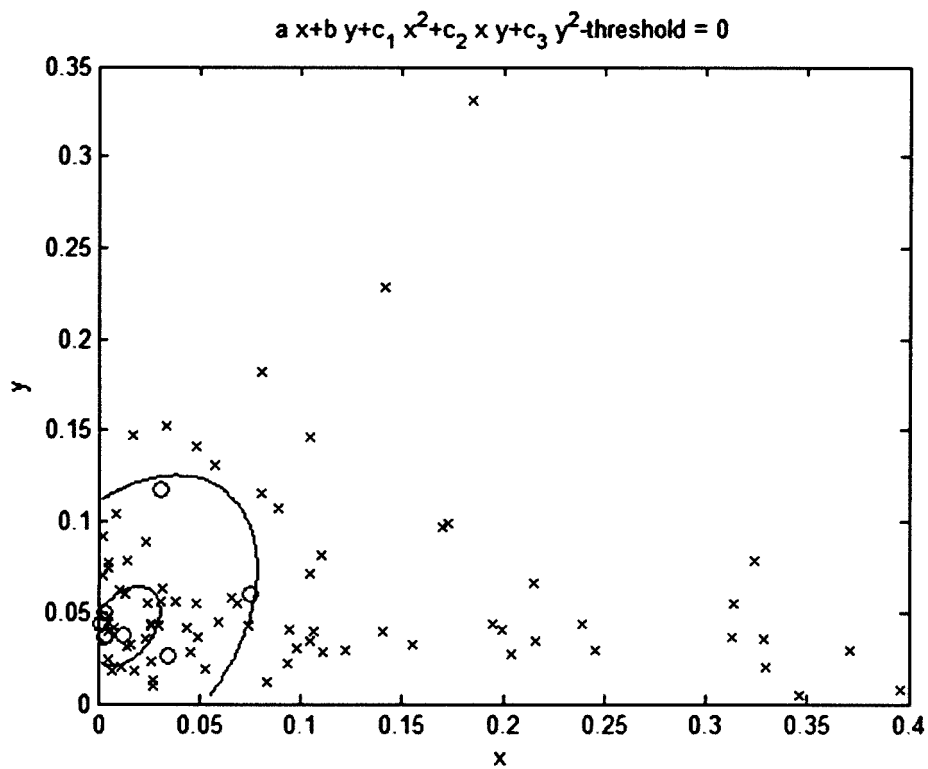
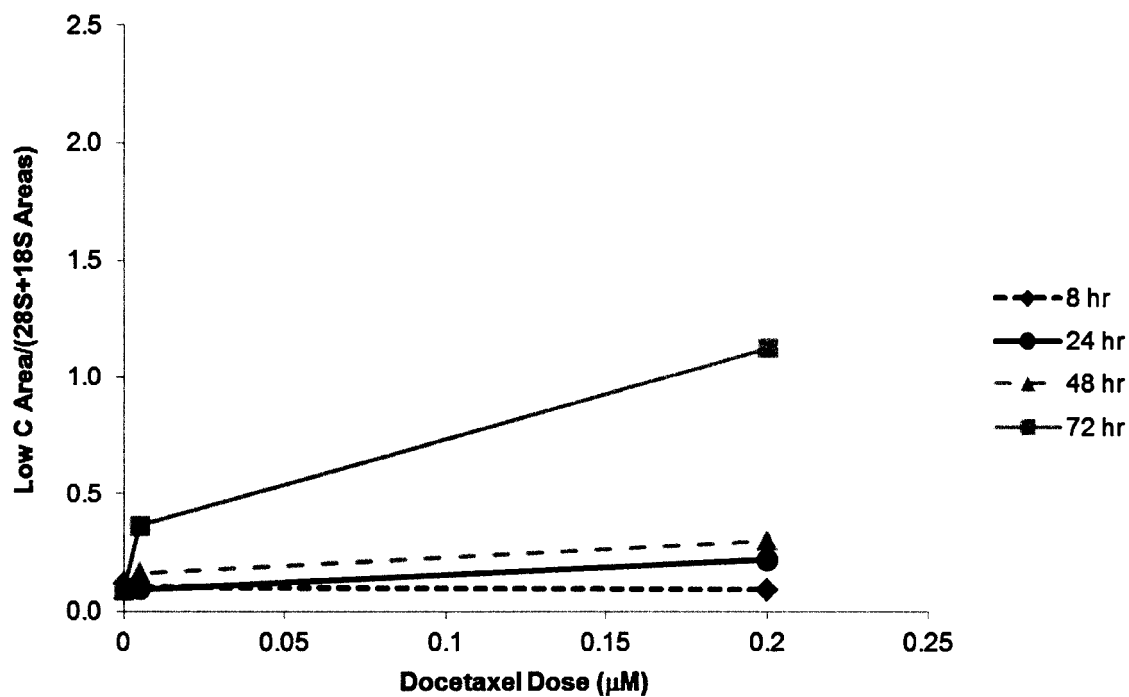


FIGURE 14C

**FIGURE 14D****FIGURE 15A**

**FIGURE 15B****FIGURE 15C**

**FIGURE 15D****FIGURE 16A**

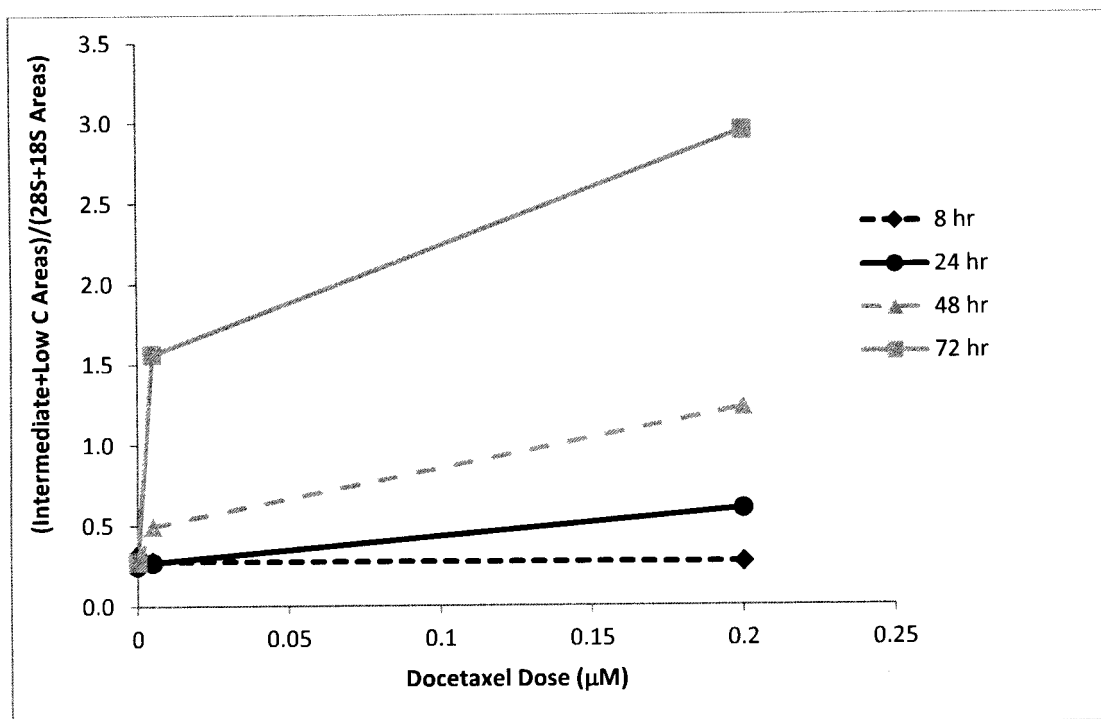


FIGURE 16B

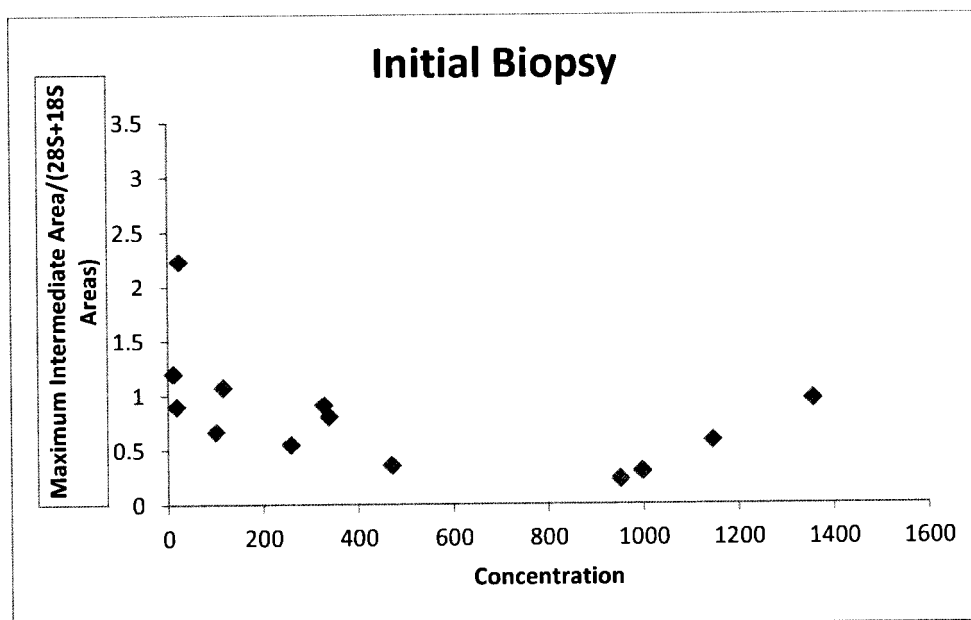


FIGURE 17A

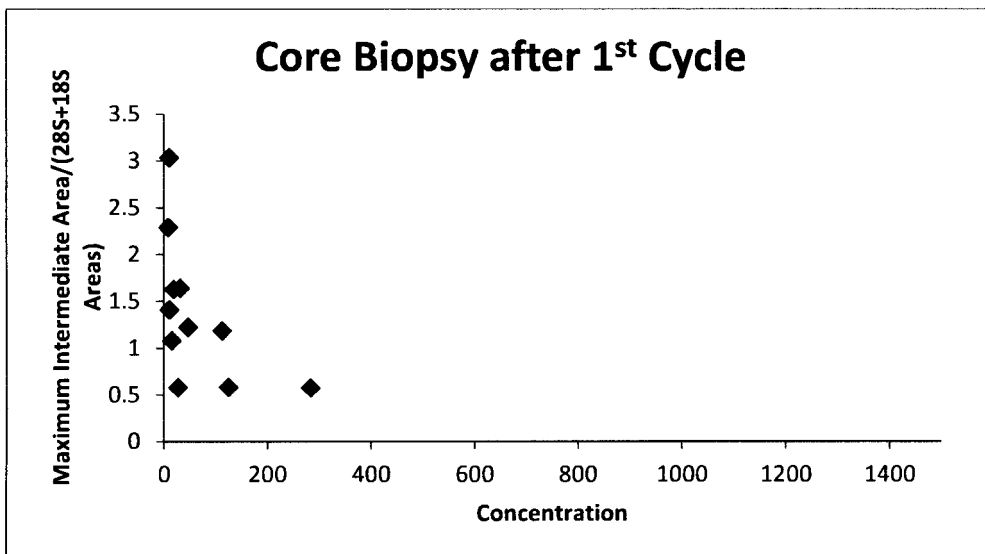


FIGURE 17B

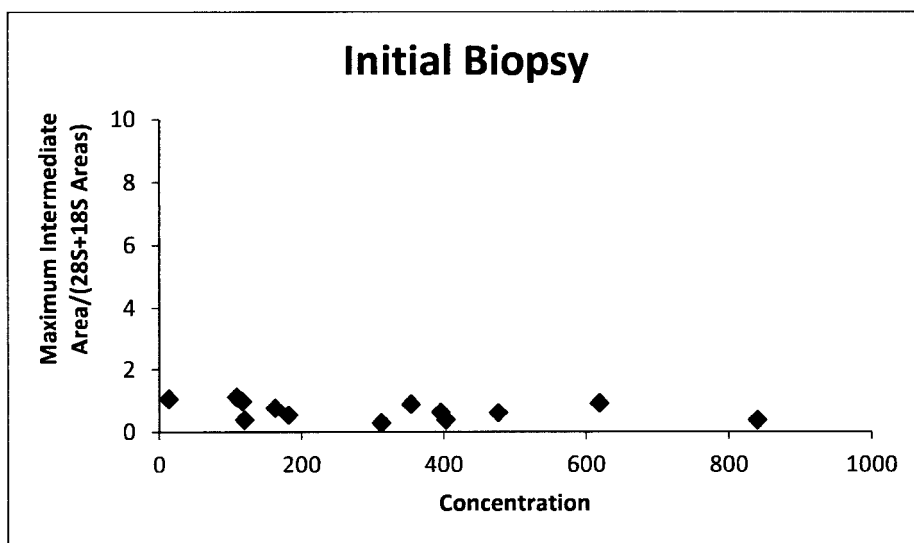
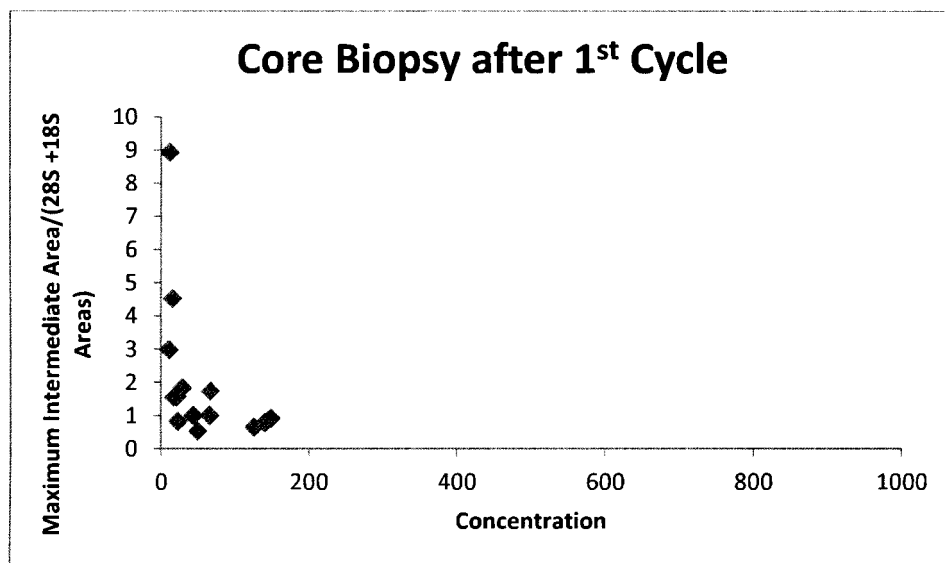
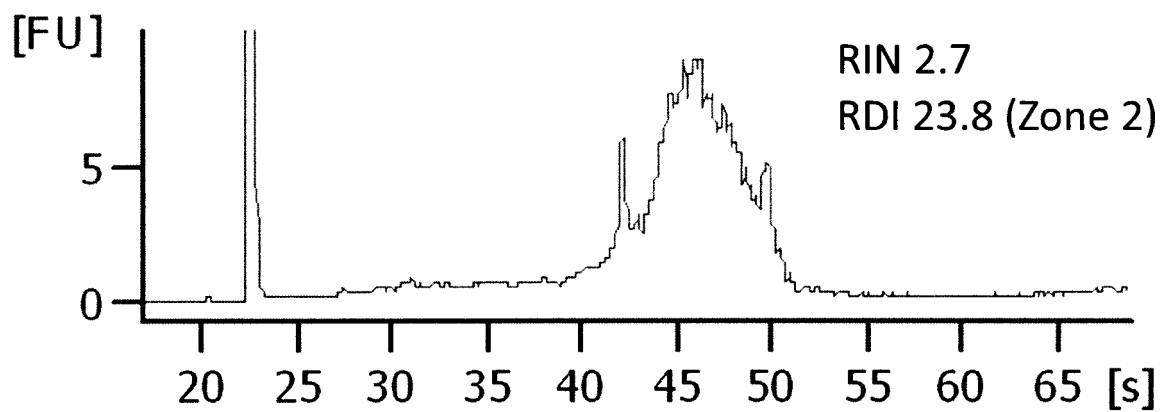
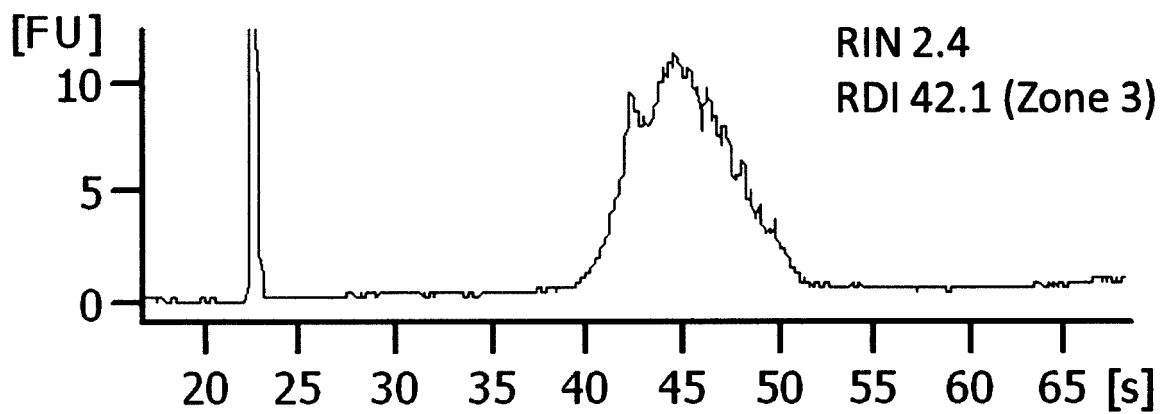
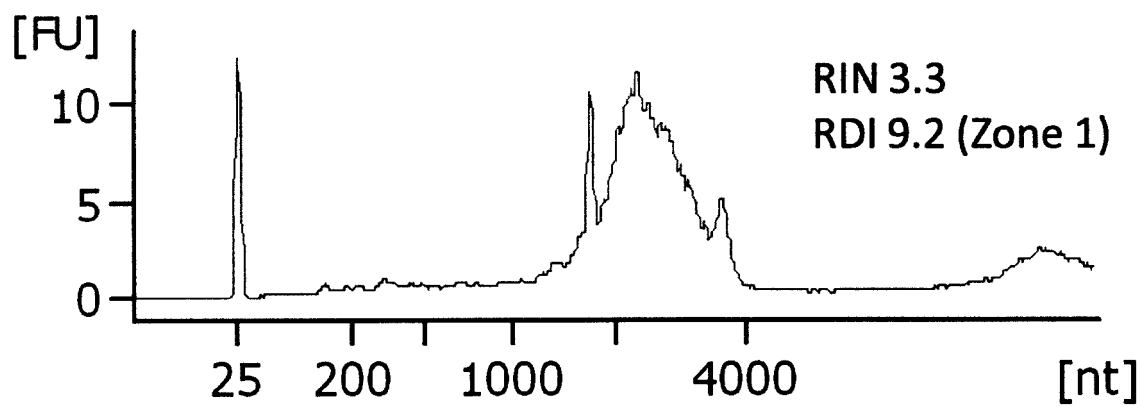
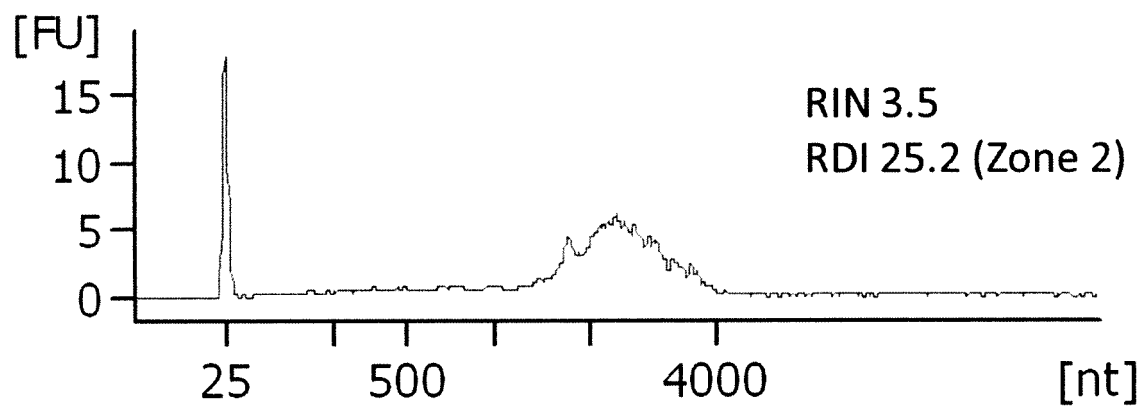
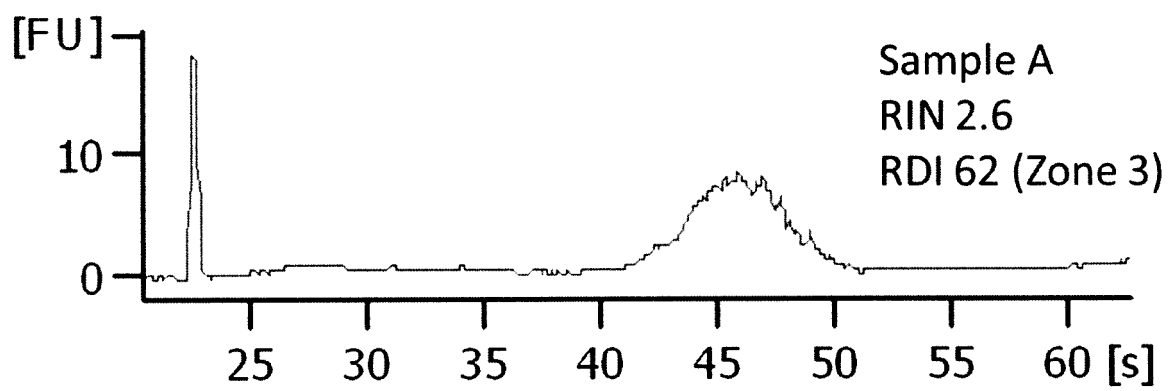


FIGURE 17C

**FIGURE 17D****FIGURE 18A**

**FIGURE 18B****FIGURE 18C**

**FIGURE 18D****FIGURE 18E**

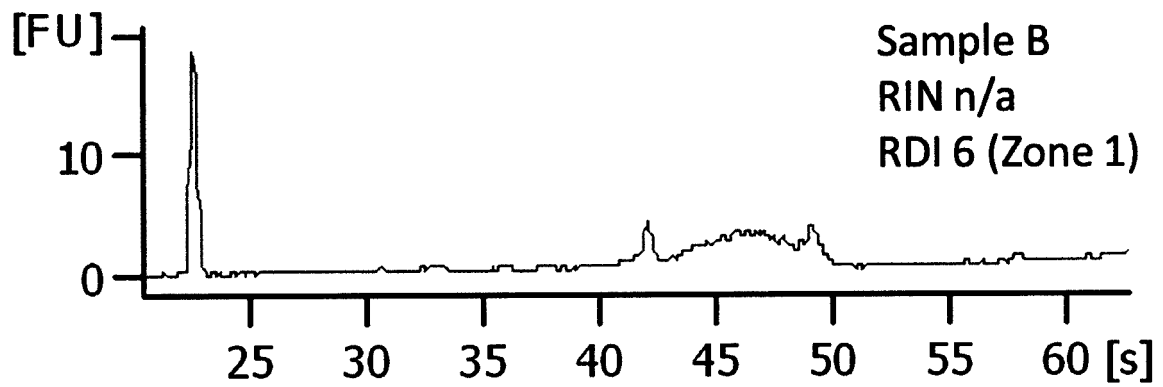


FIGURE 18F

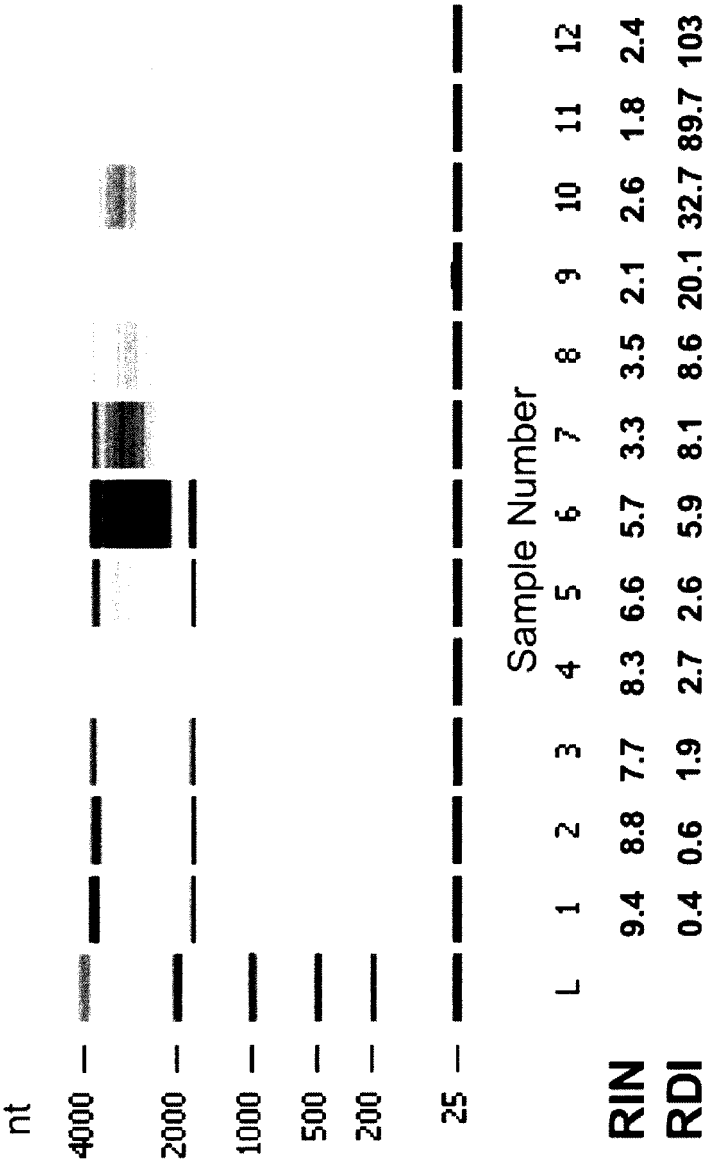
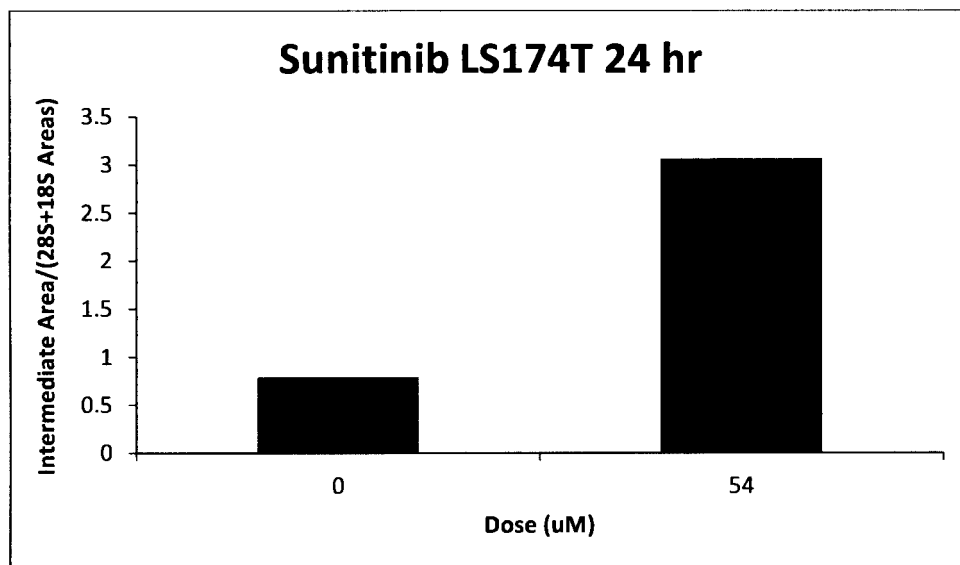
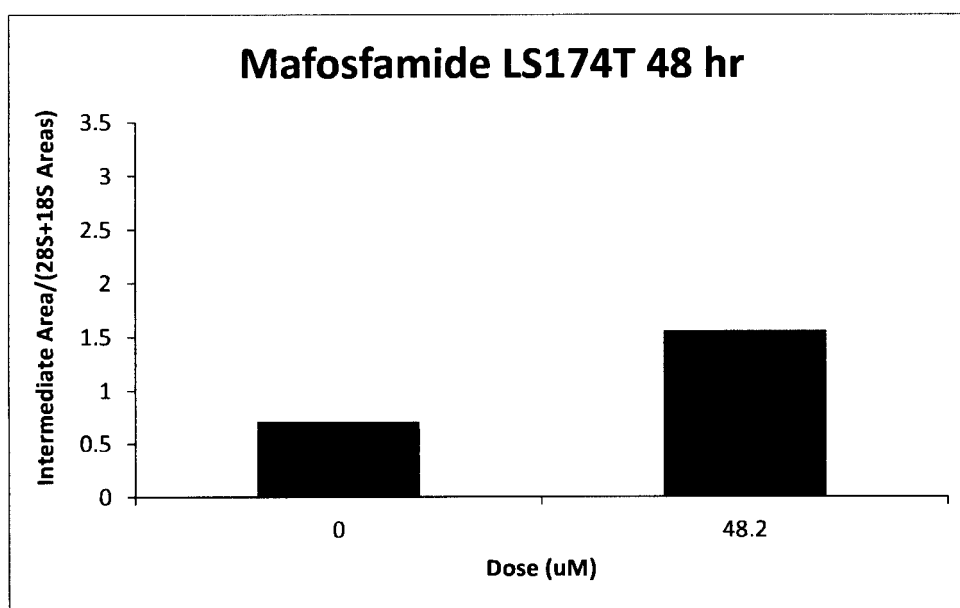
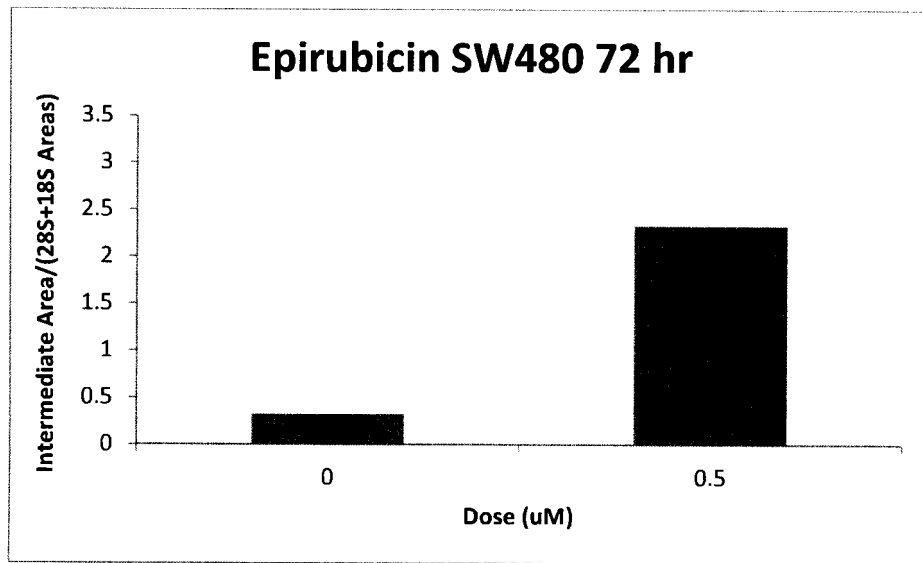


FIG. 19

**FIG. 20A****FIG. 20B**

**FIG. 20C**