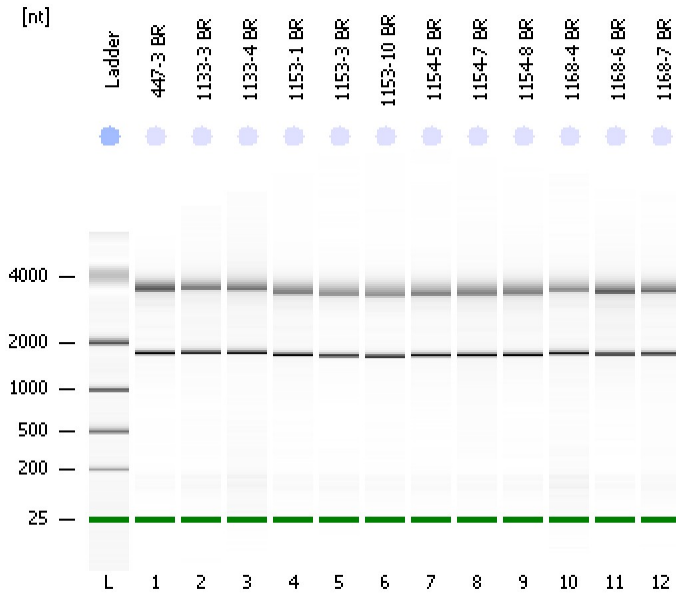


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-26\2017-07-26\_001.xad

Created: 7/26/2017 10:38:00 AM  
Modified: 7/26/2017 11:55:31 AM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

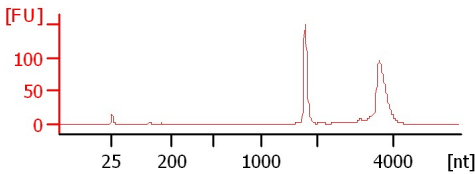
#### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
Assay Class: Eukaryote Total RNA Nano  
Version: 2.6  
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
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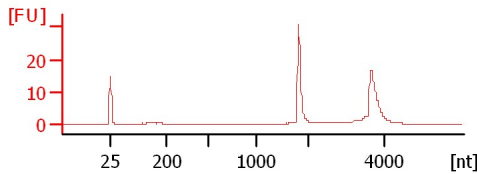
#### Chip Information:

Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:

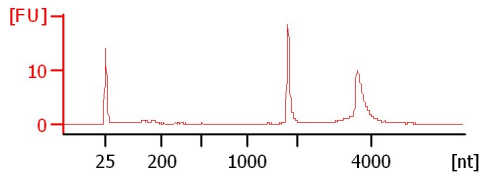
**447-3 BR**  
RIN: 2.10



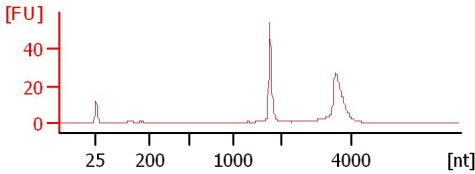
**1133-3 BR**  
RIN: 7.50



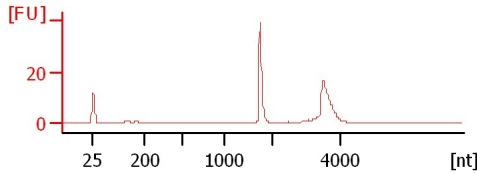
**1133-4 BR**  
RIN: 7.30



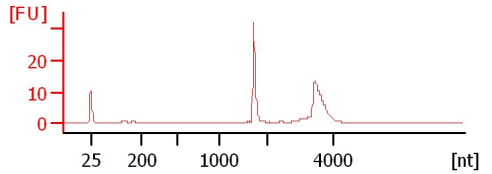
**1153-1 BR**  
RIN: 7.40



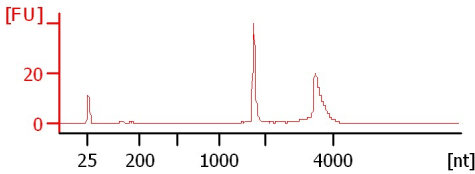
**1153-3 BR**  
RIN: 7.30



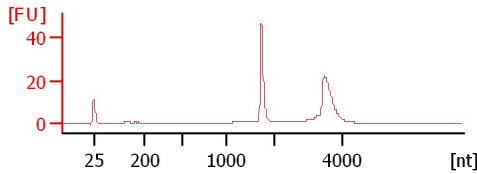
**1153-10 BR**  
RIN: 7.20



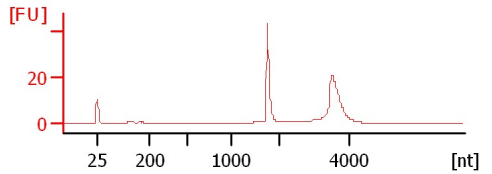
**1154-5 BR**  
RIN: 7.30



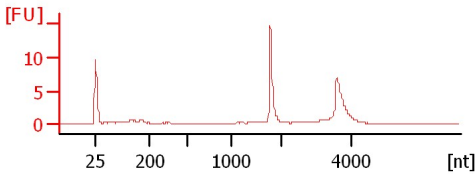
**1154-7 BR**  
RIN: 7.30



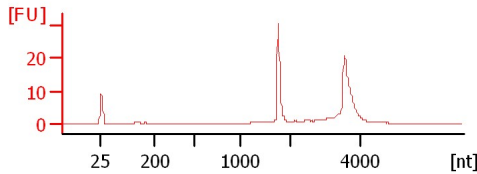
**1154-8 BR**  
RIN: 7.40



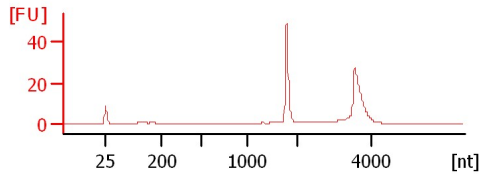
**1168-4 BR**  
RIN: 7.40



**1168-6 BR**  
RIN: 7.60



**1168-7 BR**  
RIN: 7.30



Assay Class: Eukaryote Total RNA Nano  
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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
447-3 BR		✓	RIN: 2.10	
1133-3 BR		✓	RIN: 7.50	
1133-4 BR		✓	RIN: 7.30	
1153-1 BR		✓	RIN: 7.40	
1153-3 BR		✓	RIN: 7.30	
1153-10 BR		✓	RIN: 7.20	
1154-5 BR		✓	RIN: 7.30	
1154-7 BR		✓	RIN: 7.30	
1154-8 BR		✓	RIN: 7.40	
1168-4 BR		✓	RIN: 7.40	
1168-6 BR		✓	RIN: 7.60	
1168-7 BR		✓	RIN: 7.30	
Ladder		✓	All Other Samples	

**Chip Lot #**

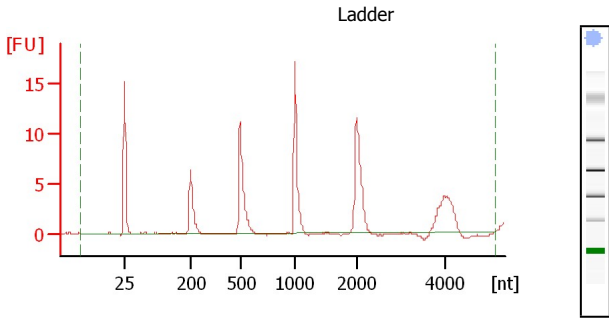
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-26\2017-07-26\_001.xad

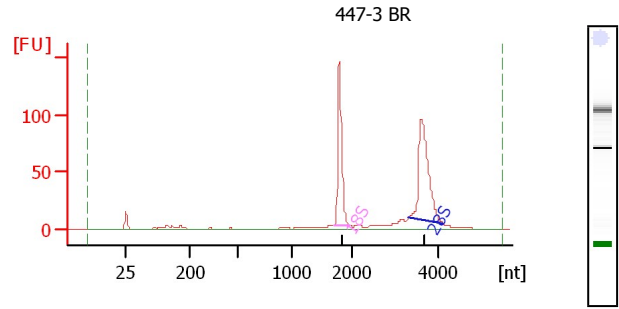
Created: 7/26/2017 10:38:00 AM  
 Modified: 7/26/2017 11:55:31 AM

**Electropherogram Summary**



**Overall Results for Ladder**

RNA Area: 73.4  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:   
 Result Flagging Label: All Other Samples

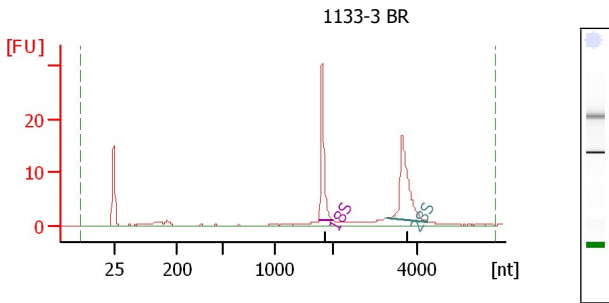


**Overall Results for sample 1 : 447-3 BR**

RNA Area: 546.6  
 RNA Concentration: 1,117 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 2.1 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:   
 Result Flagging Label: RIN: 2.10

**Fragment table for sample 1 : 447-3 BR**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	1,960	153.3	28.0
28S	3,334	4,112	199.1	36.4

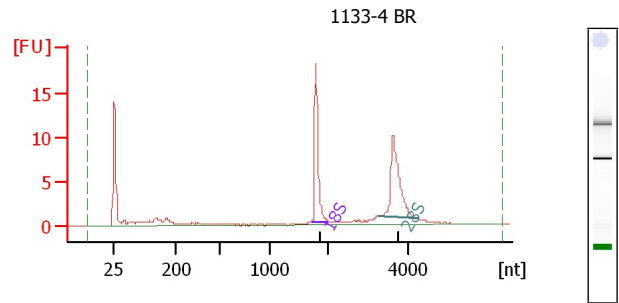


**Overall Results for sample 2 : 1133-3 BR**

RNA Area: 97.7  
 RNA Concentration: 200 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.5 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:   
 Result Flagging Label: RIN: 7.50

**Fragment table for sample 2 : 1133-3 BR**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	1,991	26.5	27.1
28S	3,285	4,249	30.1	30.8



**Overall Results for sample 3 : 1133-4 BR**

RNA Area: 69.8  
 RNA Concentration: 143 ng/μl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:   
 Result Flagging Label: RIN: 7.30

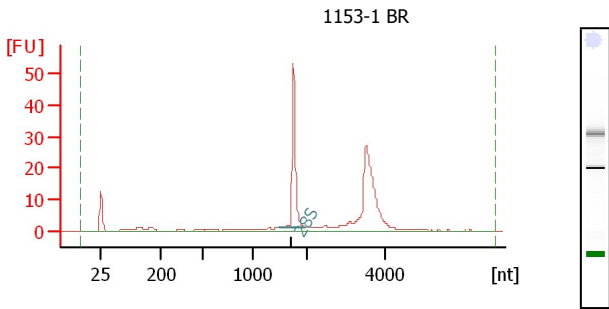
**Fragment table for sample 3 : 1133-4 BR**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,736	2,036	17.0	24.4
28S	3,250	4,247	19.5	27.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-26\2017-07-26\_001.xad

Created: 7/26/2017 10:38:00 AM  
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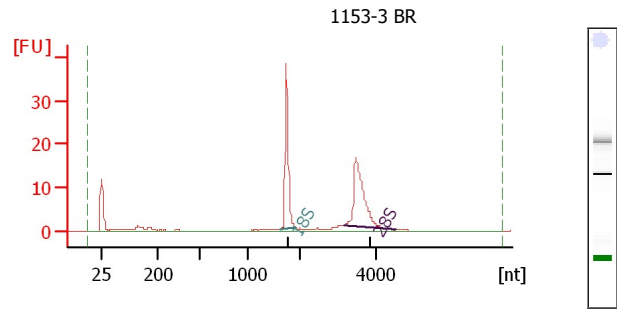
**Electropherogram Summary Continued ...**



**Overall Results for sample 4 :** 1153-1 BR  
 RNA Area: 186.8  
 RNA Concentration: 382 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.4 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.40

**Fragment table for sample 4 :** 1153-1 BR

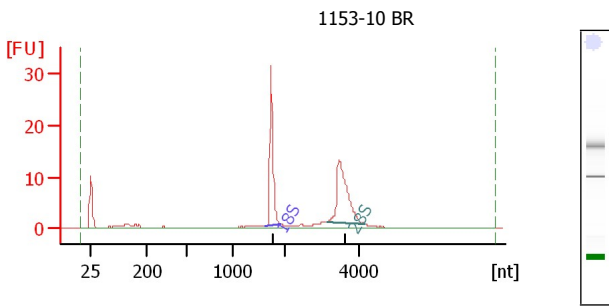
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,505	1,973	52.3	28.0



**Overall Results for sample 5 :** 1153-3 BR  
 RNA Area: 109.6  
 RNA Concentration: 224 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.30

**Fragment table for sample 5 :** 1153-3 BR

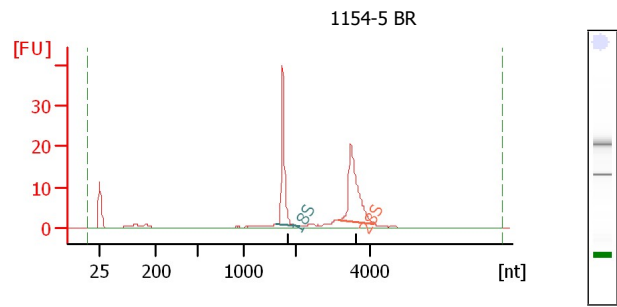
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	1,910	35.5	32.4
28S	3,160	4,536	41.1	37.5



**Overall Results for sample 6 :** 1153-10 BR  
 RNA Area: 104.2  
 RNA Concentration: 213 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.2 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.20

**Fragment table for sample 6 :** 1153-10 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,930	29.6	28.4
28S	3,141	4,158	34.9	33.5



**Overall Results for sample 7 :** 1154-5 BR  
 RNA Area: 132.1  
 RNA Concentration: 270 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.30

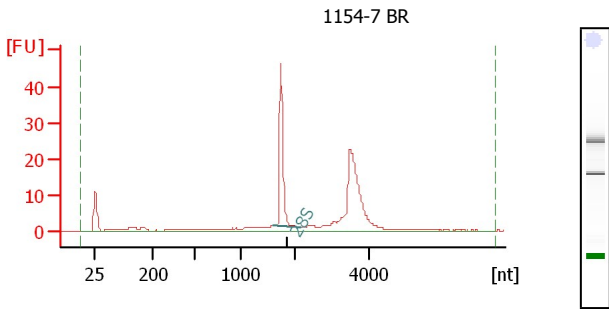
**Fragment table for sample 7 :** 1154-5 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,612	2,099	38.2	28.9
28S	3,109	4,113	44.2	33.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-26\2017-07-26\_001.xad

Created: 7/26/2017 10:38:00 AM  
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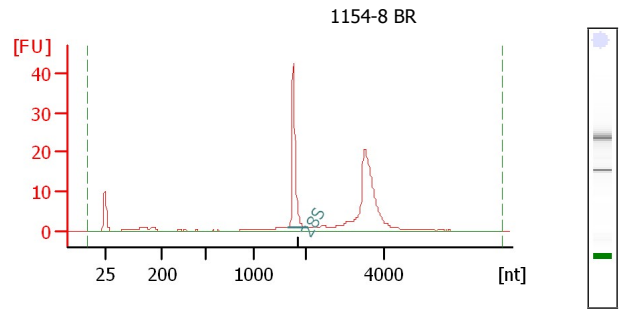
**Electropherogram Summary Continued ...**



**Overall Results for sample 8 :** 1154-7 BR  
 RNA Area: 175.8  
 RNA Concentration: 359 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.30

**Fragment table for sample 8 :** 1154-7 BR

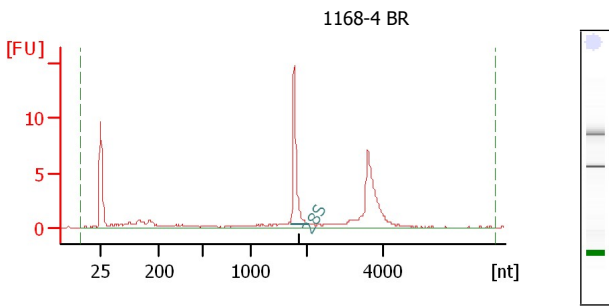
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,597	2,147	45.9	26.1



**Overall Results for sample 9 :** 1154-8 BR  
 RNA Area: 155.1  
 RNA Concentration: 317 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.4 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.40

**Fragment table for sample 9 :** 1154-8 BR

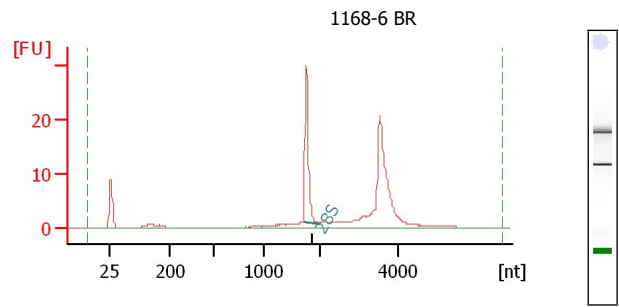
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,652	2,016	42.4	27.4



**Overall Results for sample 10 :** 1168-4 BR  
 RNA Area: 55.2  
 RNA Concentration: 113 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.4 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.40

**Fragment table for sample 10 :** 1168-4 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,728	2,093	14.8	26.8



**Overall Results for sample 11 :** 1168-6 BR  
 RNA Area: 125.2  
 RNA Concentration: 256 ng/µl  
 rRNA Ratio [28s / 18s]: 0.0  
 RNA Integrity Number (RIN): 7.6 (B.02.08, Anomaly Threshold(s) manually adapted)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.60

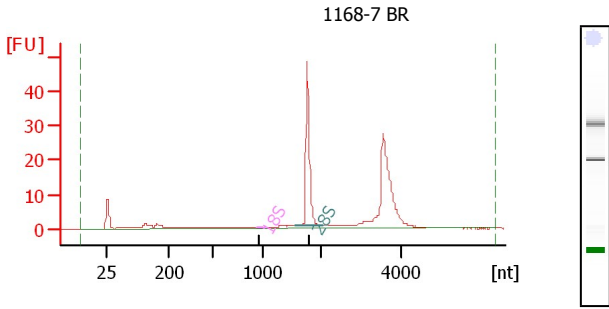
**Fragment table for sample 11 :** 1168-6 BR

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	1,711	2,009	27.7	22.1

Assay Class: Eukaryote Total RNA Nano  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 1168-7 BR**

RNA Area: 167.2  
RNA Concentration: 342 ng/µl  
rRNA Ratio [28s / 18s]: 553.5  
RNA Integrity Number (RIN): 7.3 (B.02.08, Anomaly Threshold(s) manually adapted)  
Result Flagging Color:   
Result Flagging Label: RIN: 7.30

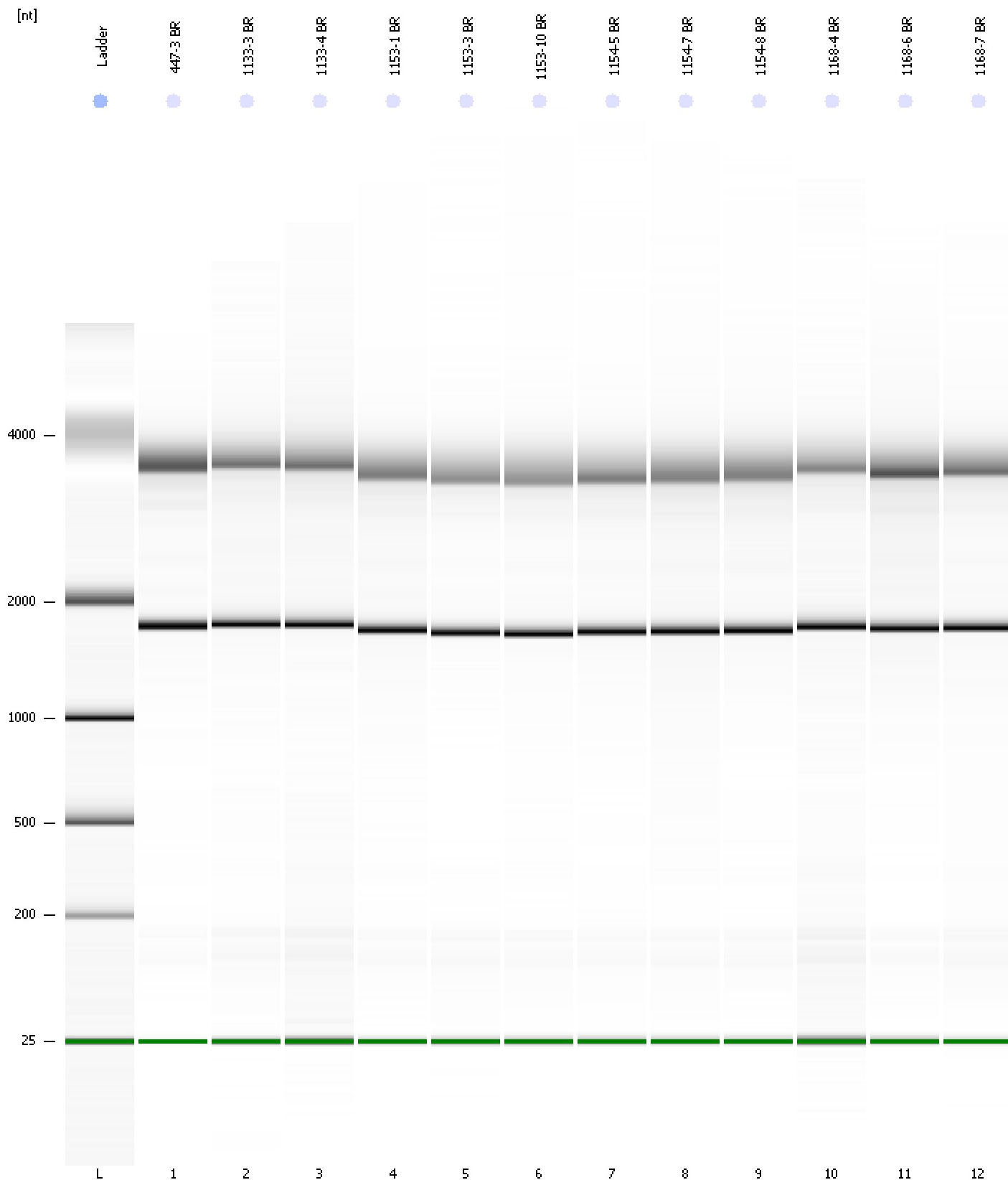
**Fragment table for sample 12 : 1168-7 BR**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	931	985	0.1	0.1
28S	1,568	2,091	47.2	28.3

Assay Class: Eukaryote Total RNA Nano  
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**Gel Image**



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-26\2017-07-26\_001.xad

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**Curves**

**Standard Curve**

