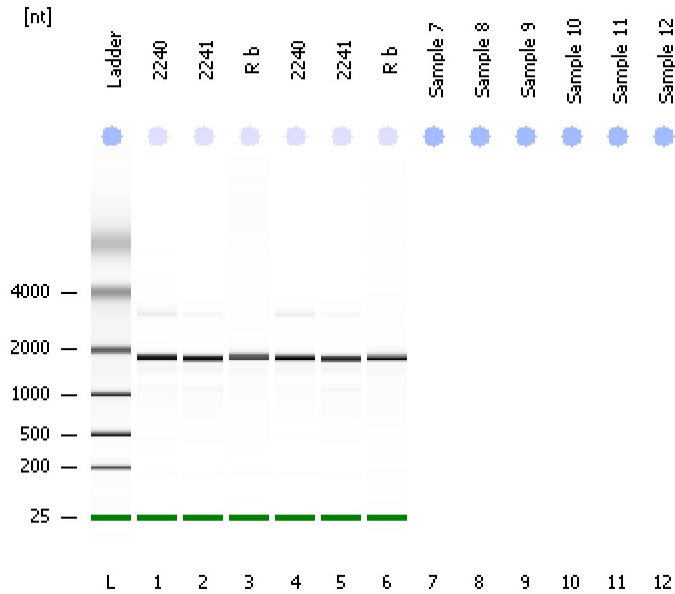


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electrophoresis File Run Summary



Instrument Information:

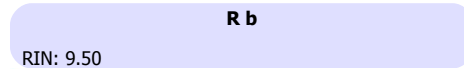
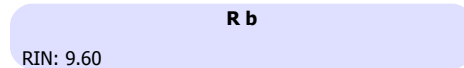
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
2240		✓	RIN: 9.30	
2241		✓	RIN: 9.10	
R b		✓	RIN: 9.60	
2240		✓	RIN: 9.50	
2241		✓	RIN: 9.10	
R b		✓	RIN: 9.50	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Sample 12				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

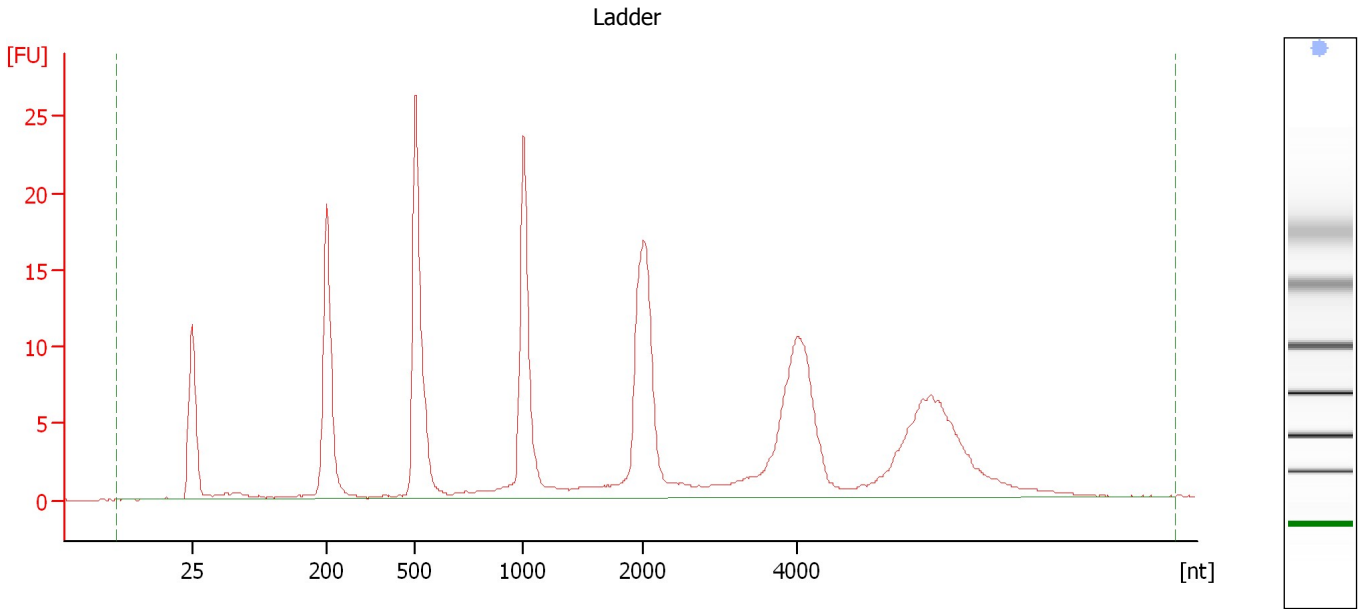
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary



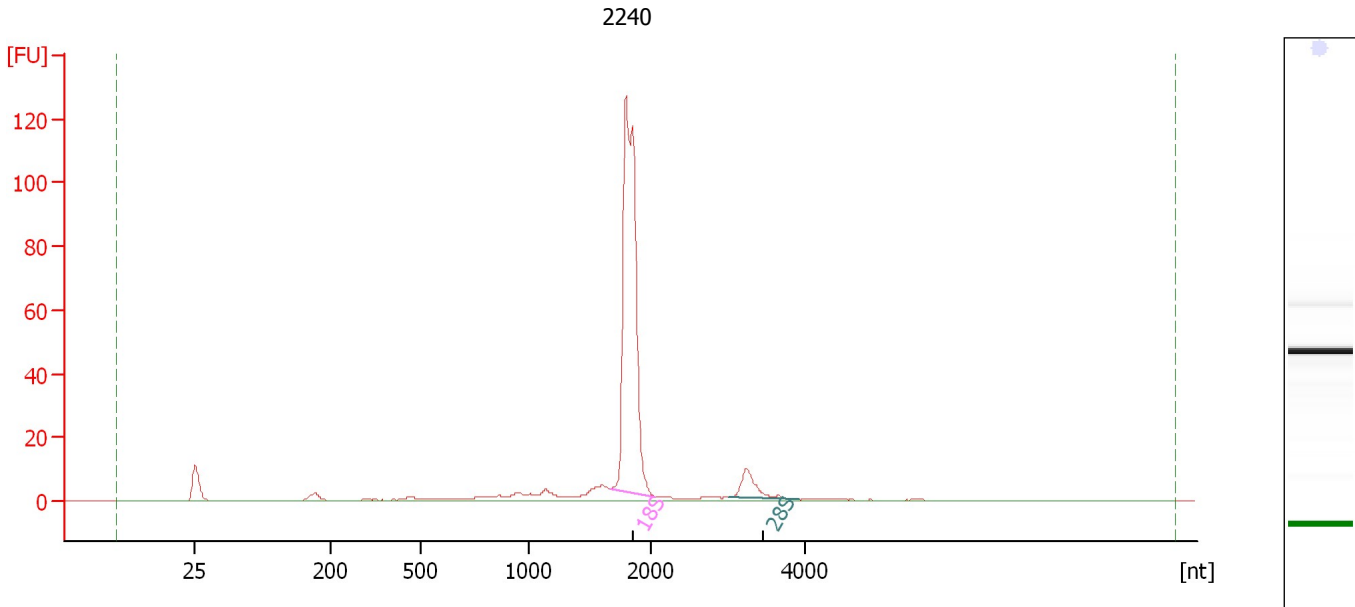
Overall Results for Ladder

RNA Area:	230.2	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
 Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 2240

RNA Area:	274.5	RNA Integrity Number (RIN):	9.3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	179 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 9.30

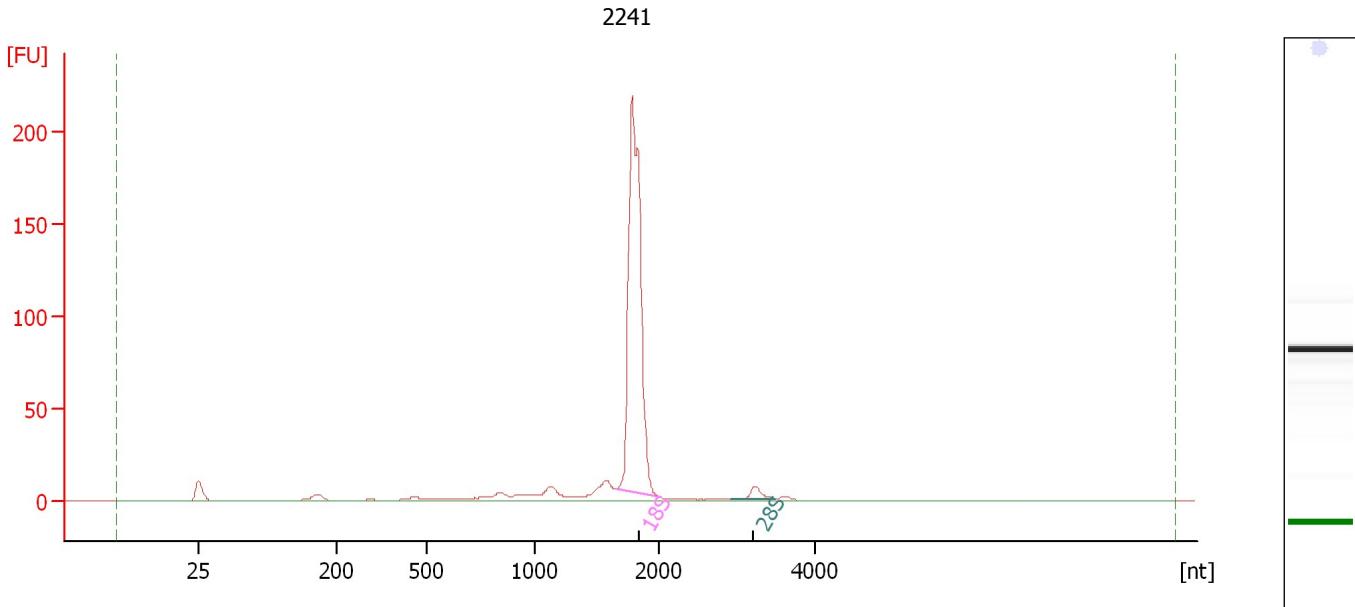
Fragment table for sample 1 : 2240

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,676	2,072	193.5	70.5
28S	3,024	3,935	14.7	5.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2241

RNA Area:	457.9	RNA Integrity Number (RIN):	9.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	298 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.10

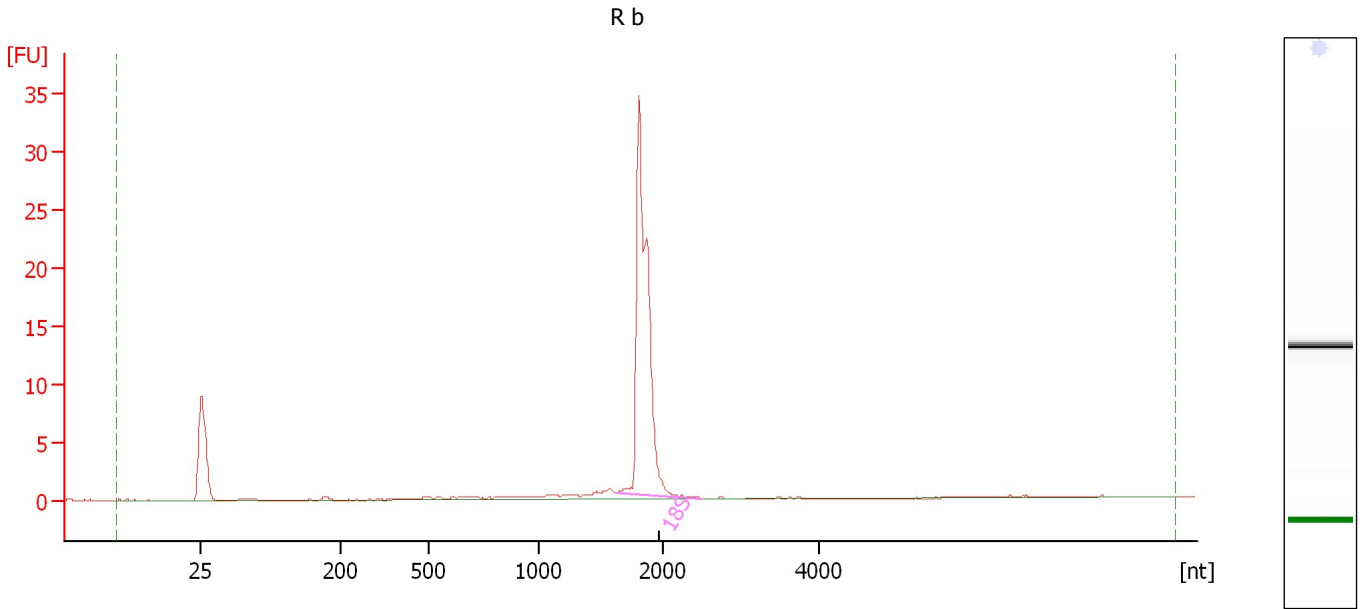
Fragment table for sample 2 : 2241

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	2,035	319.9	69.9
28S	2,937	3,498	7.9	1.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : R b

RNA Area:	56.5	RNA Integrity Number (RIN):	9.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	37 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.60

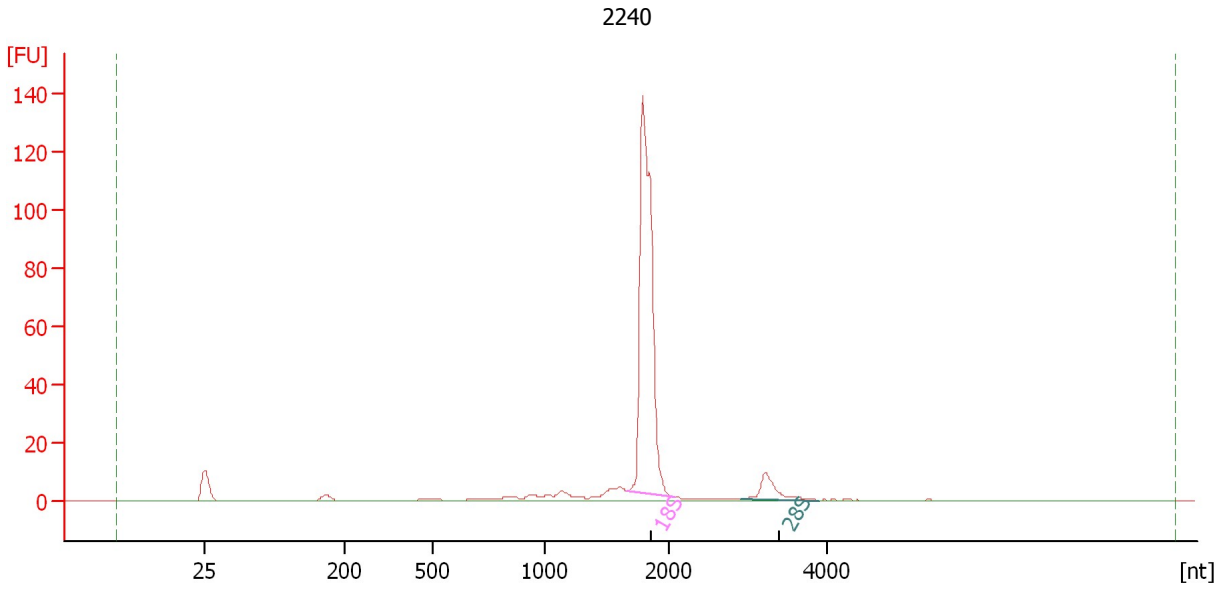
Fragment table for sample 3 : R b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,624	2,500	45.9	81.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 2240

RNA Area:	277.1	RNA Integrity Number (RIN):	9.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	181 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 9.50

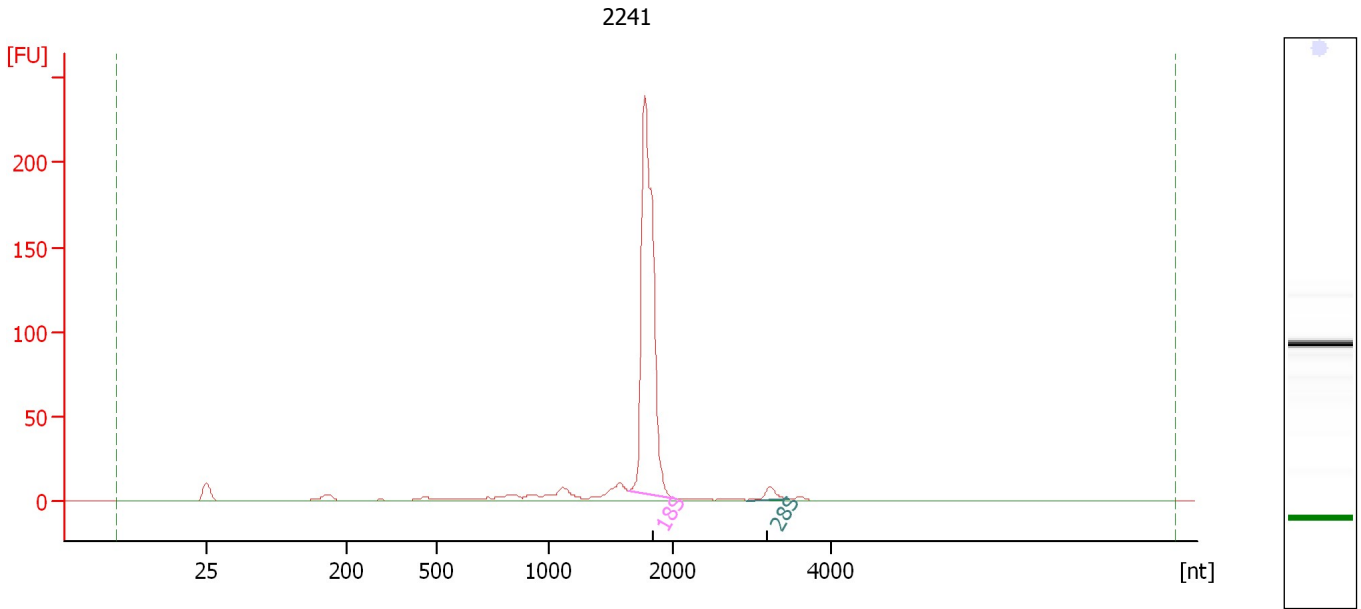
Fragment table for sample 4 : 2240

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,671	2,080	195.0	70.4
28S	2,919	3,908	15.0	5.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 2241

RNA Area: 479.2 RNA Integrity Number (RIN): 9.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 312 ng/μl
rRNA Ratio [28s / 18s]: 0.0
Result Flagging Color:
Result Flagging Label: RIN: 9.10

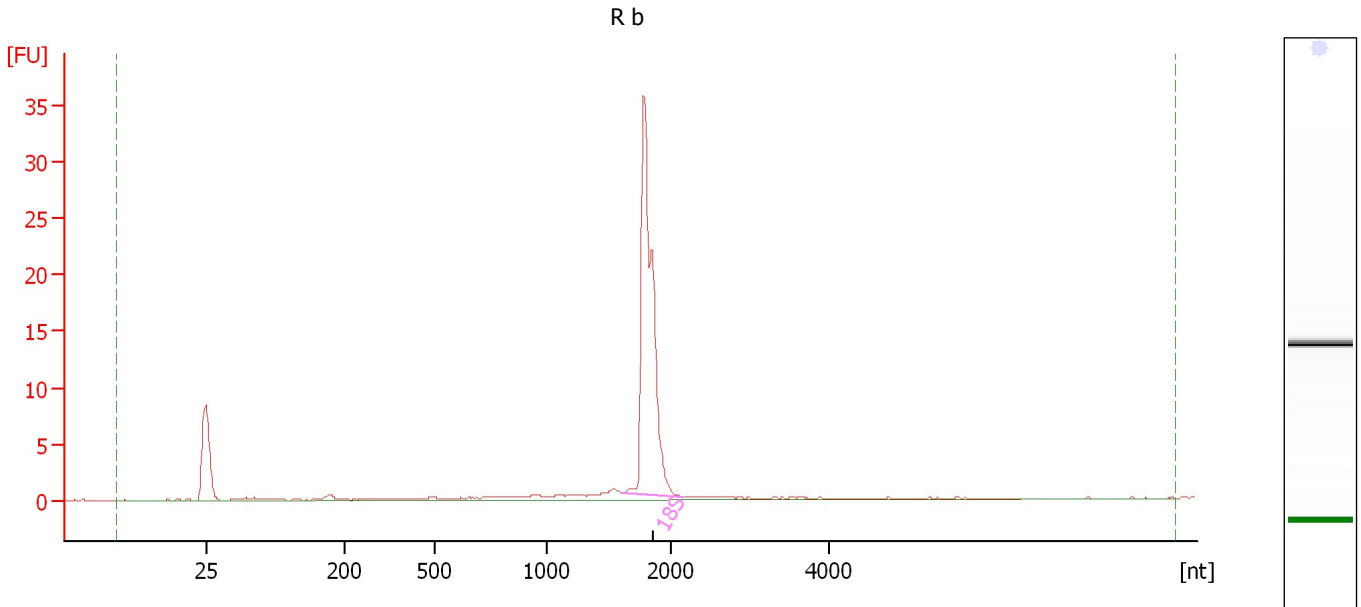
Fragment table for sample 5 : 2241

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	2,055	328.7	68.6
28S	2,931	3,470	8.1	1.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : R b

RNA Area:	60.4	RNA Integrity Number (RIN):	9.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 9.50

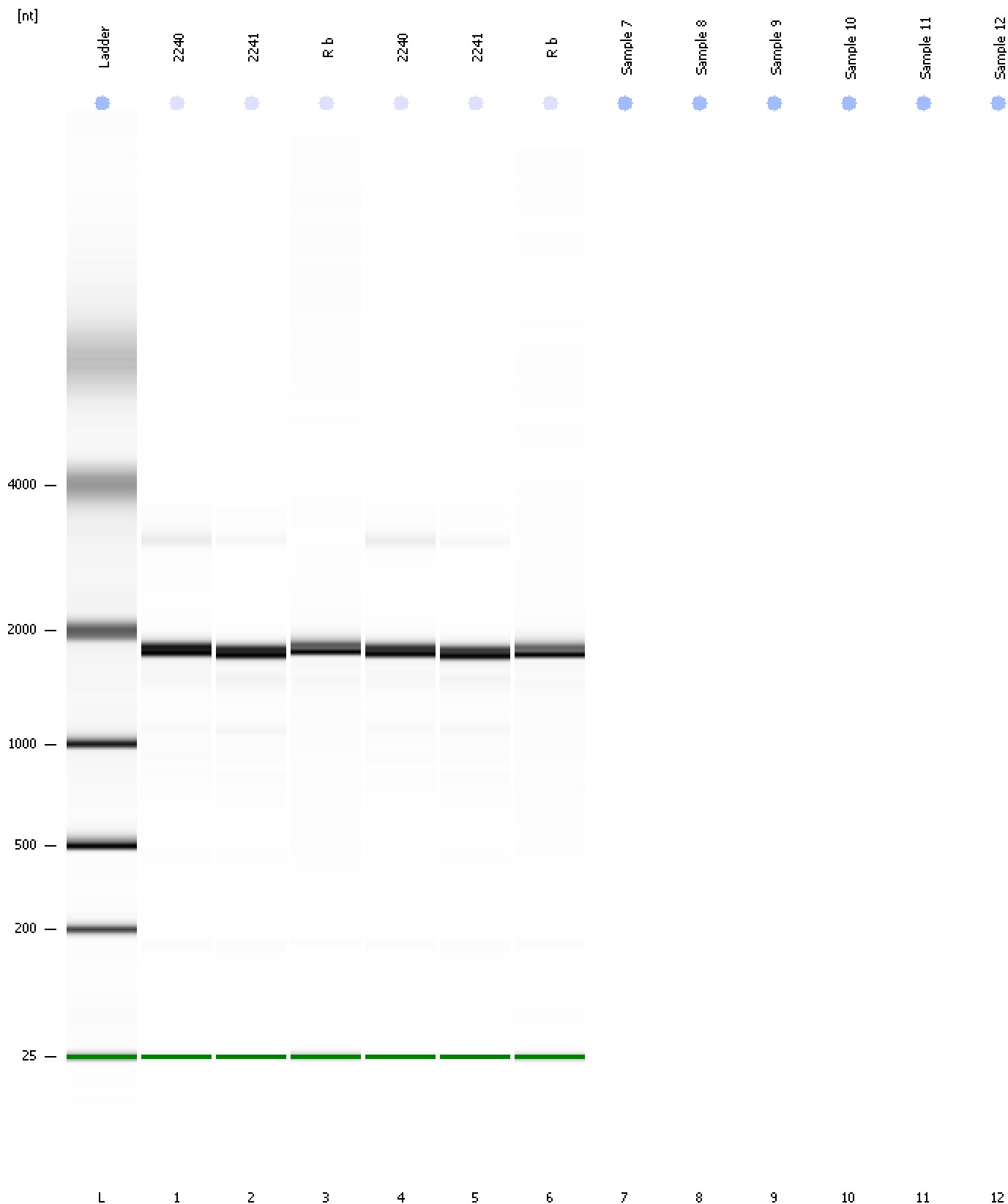
Fragment table for sample 6 : R b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,613	2,149	46.6	77.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-23\2017-10-23_001.xad

Created: 10/23/2017 10:00:01 AM
Modified: 10/23/2017 10:24:33 AM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.