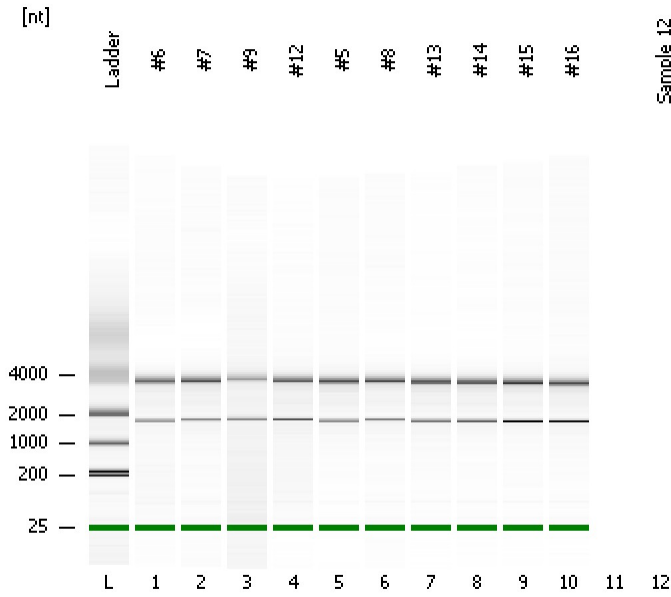


Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

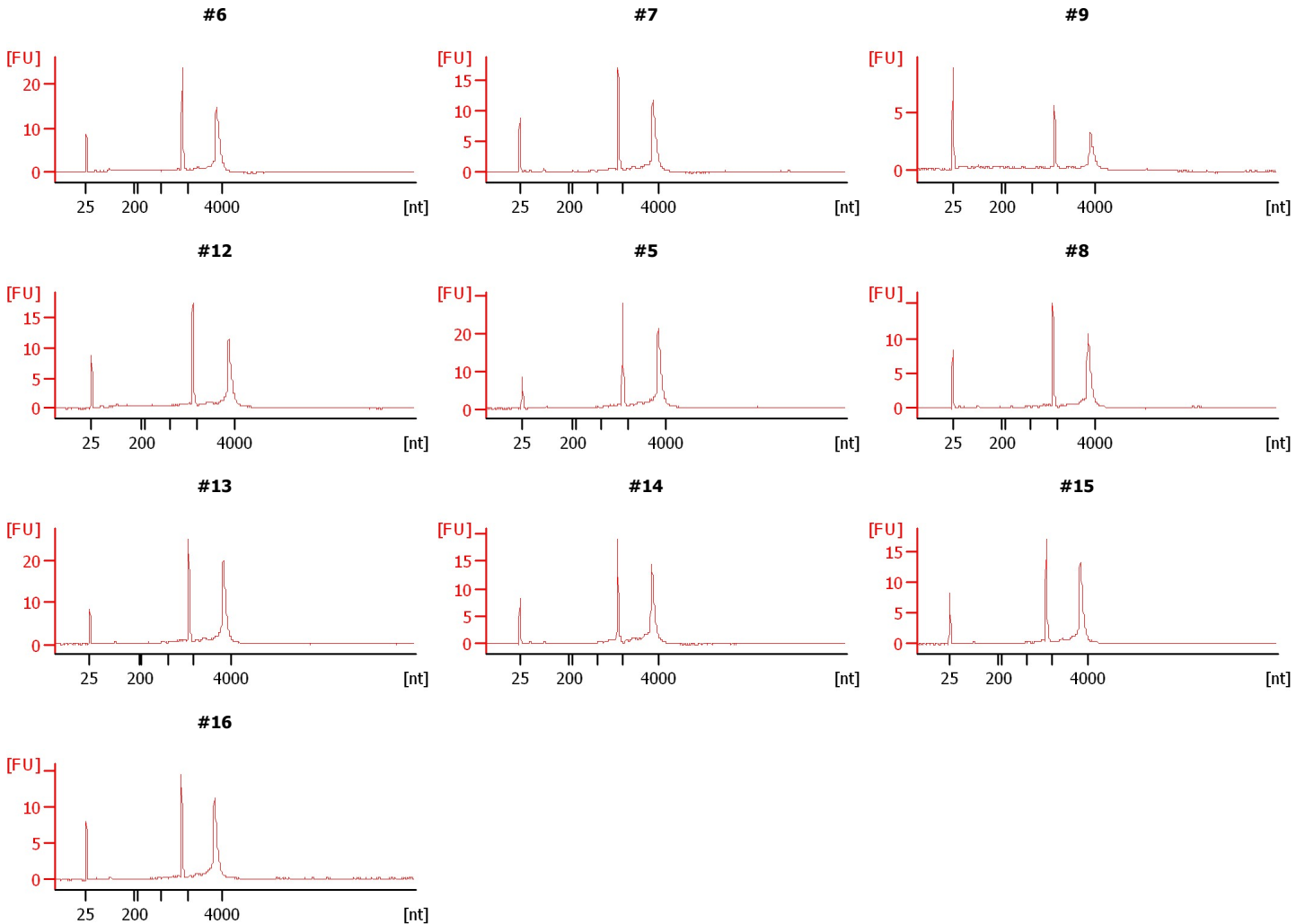
Electrophoresis File Run Summary



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\mRNA Nano Series II.xsy
Assay Class: mRNA Nano
Version: 2.5
Assay Comments: mRNA Analysis ng sensitivity
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Chip Information:
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
#6		✓		
#7		✓		
#9		✓		
#12		✓		
#5		✓		
#8		✓		
#13		✓		
#14		✓		
#15		✓		
#16		✓		
Sample 12				
Ladder		✓		

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
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] : 15
Integration End Time [s] : 84
Slope Threshold : 0.2
Height Threshold [FU] : 0.5
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

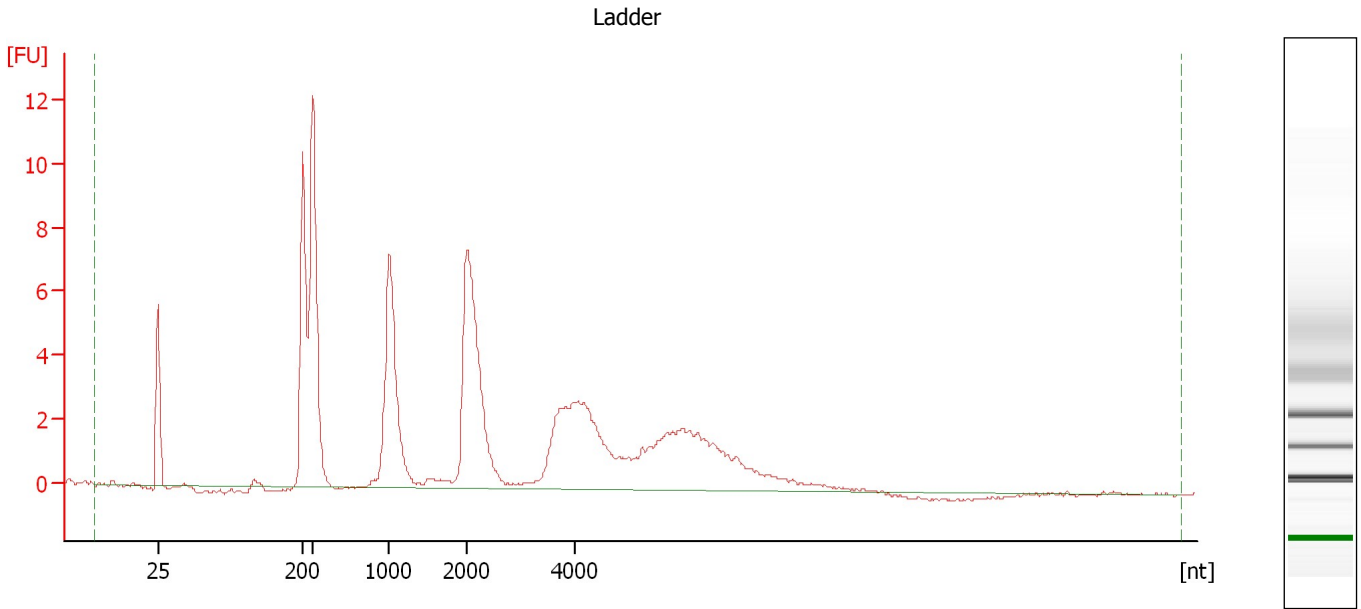
Ladder

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

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary



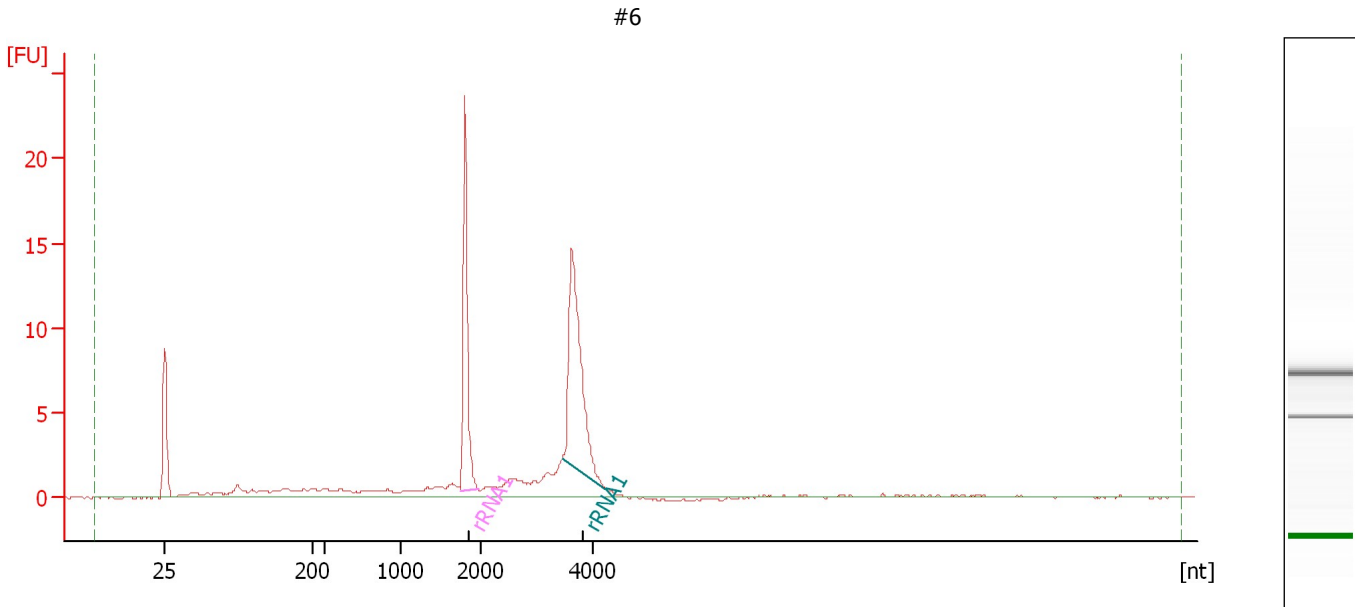
Overall Results for Ladder

RNA Area: 123.1 RNA Concentration: 150 ng/μl

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : #6

RNA Area: 89.0 rRNA Contamination: 47.4 %
RNA Concentration: 108 ng/μl

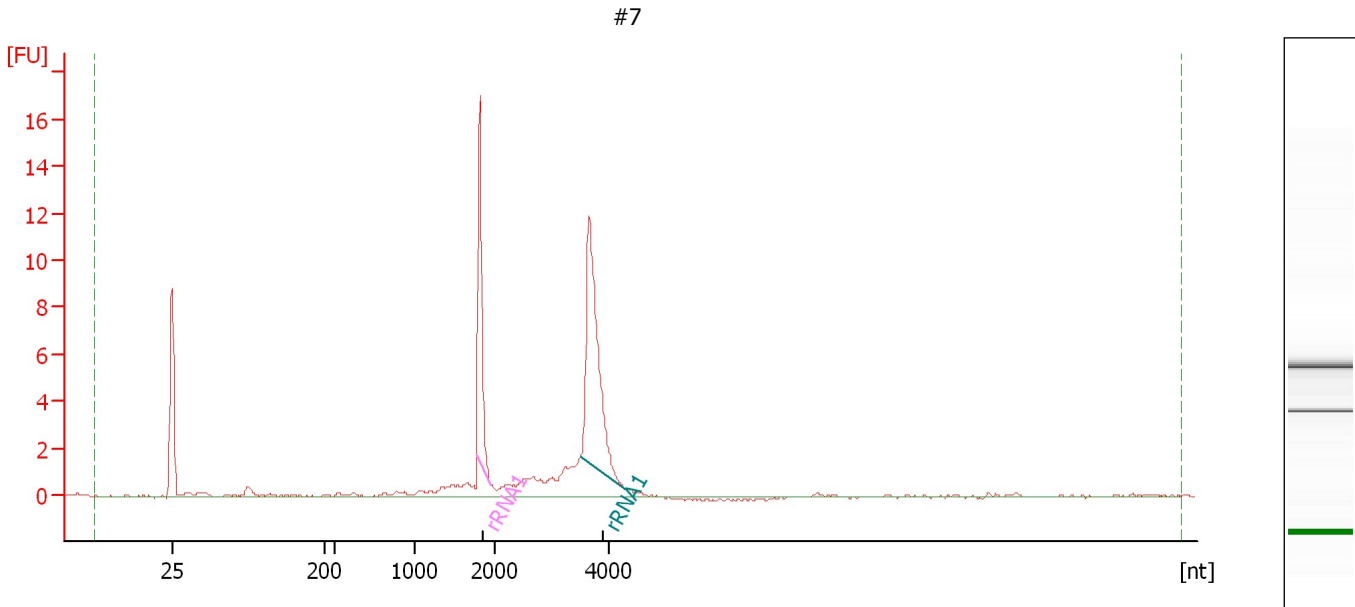
Fragment table for sample 1 : #6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,742	1,962	17.9	20.1
rRNA1	3,455	4,232	24.3	27.3

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : #7

RNA Area: 54.3 rRNA Contamination: 53.6 %
RNA Concentration: 66 ng/μl

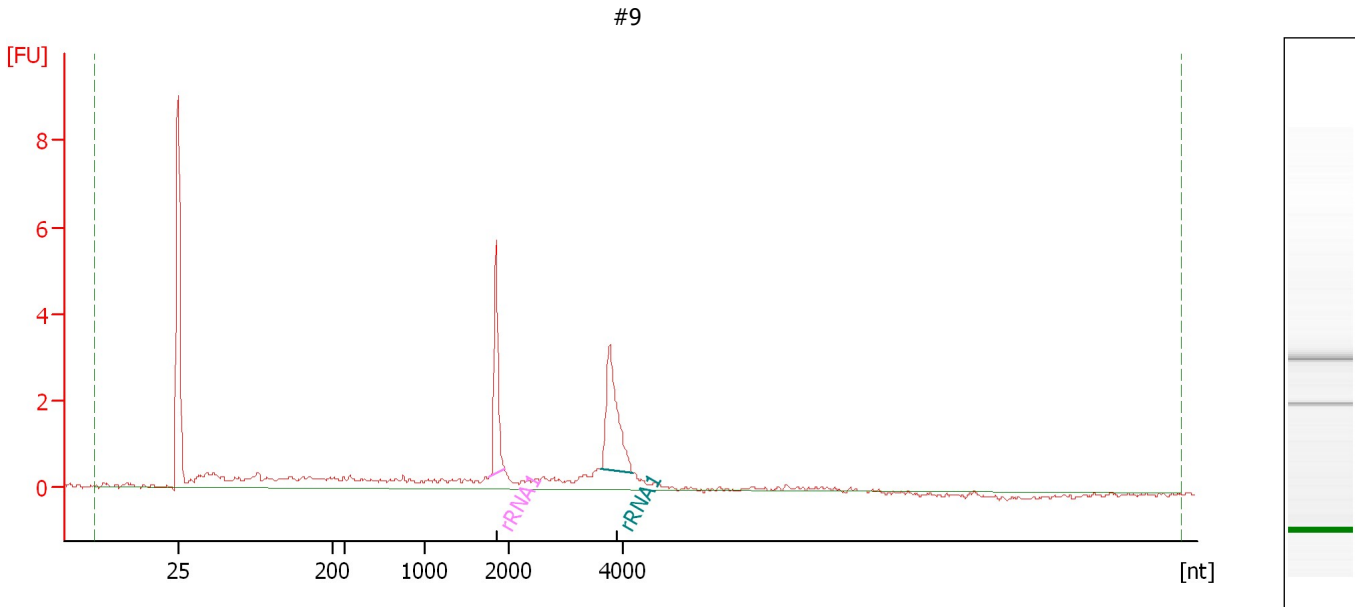
Fragment table for sample 2 : #7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,770	1,945	10.5	19.4
rRNA1	3,497	4,271	18.6	34.2

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : #9

RNA Area: 29.6 rRNA Contamination: 28.7 %
RNA Concentration: 36 ng/μl

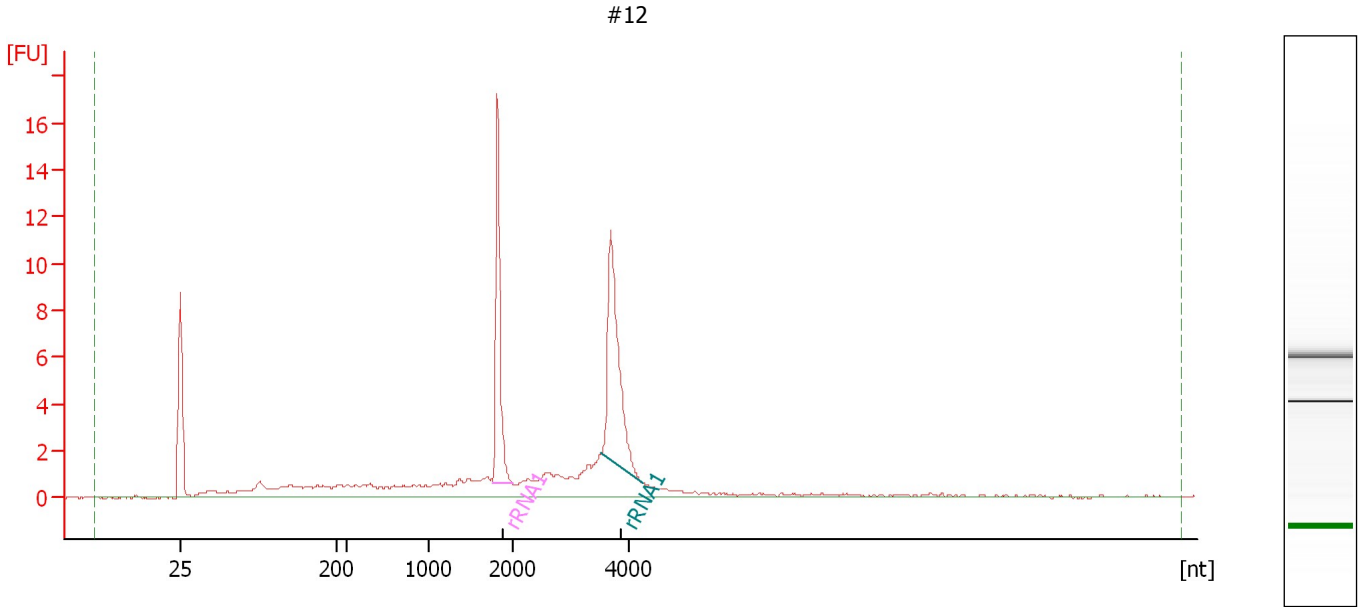
Fragment table for sample 3 : #9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,766	1,958	3.7	12.6
rRNA1	3,596	4,162	4.8	16.1

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : #12

RNA Area: 79.1 rRNA Contamination: 35.5 %
RNA Concentration: 96 ng/μl

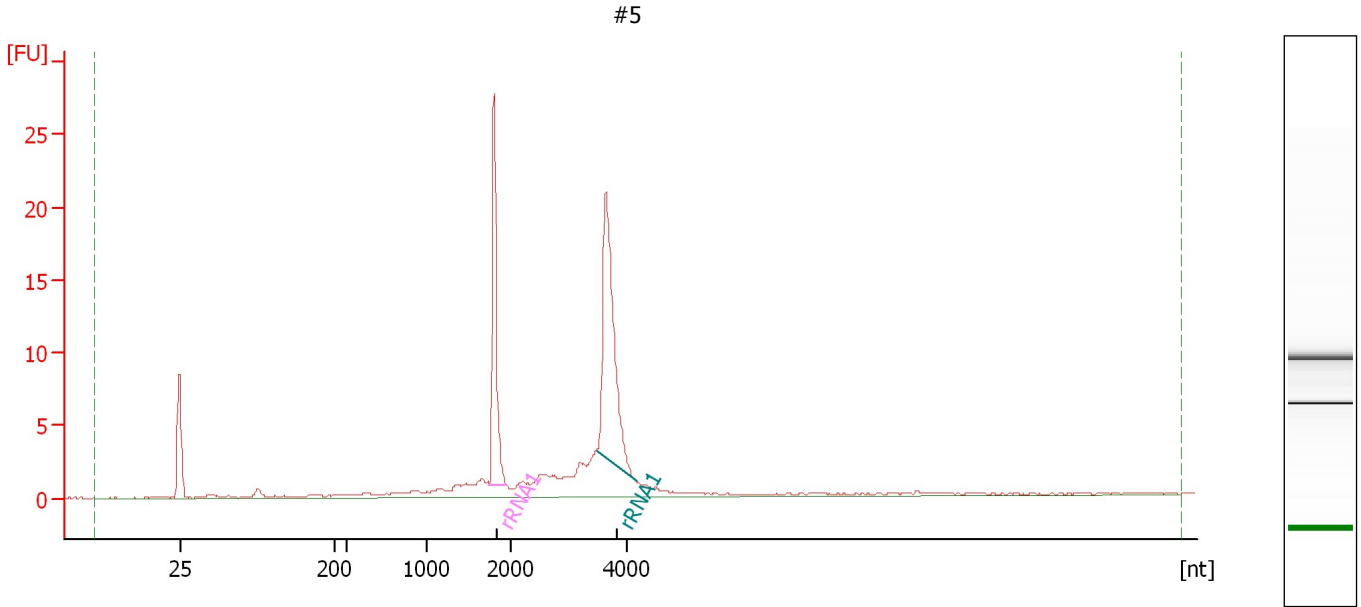
Fragment table for sample 4 : #12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,769	1,987	12.3	15.6
rRNA1	3,517	4,244	15.7	19.9

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : #5

RNA Area: 102.6 rRNA Contamination: 48.8 %
RNA Concentration: 125 ng/μl

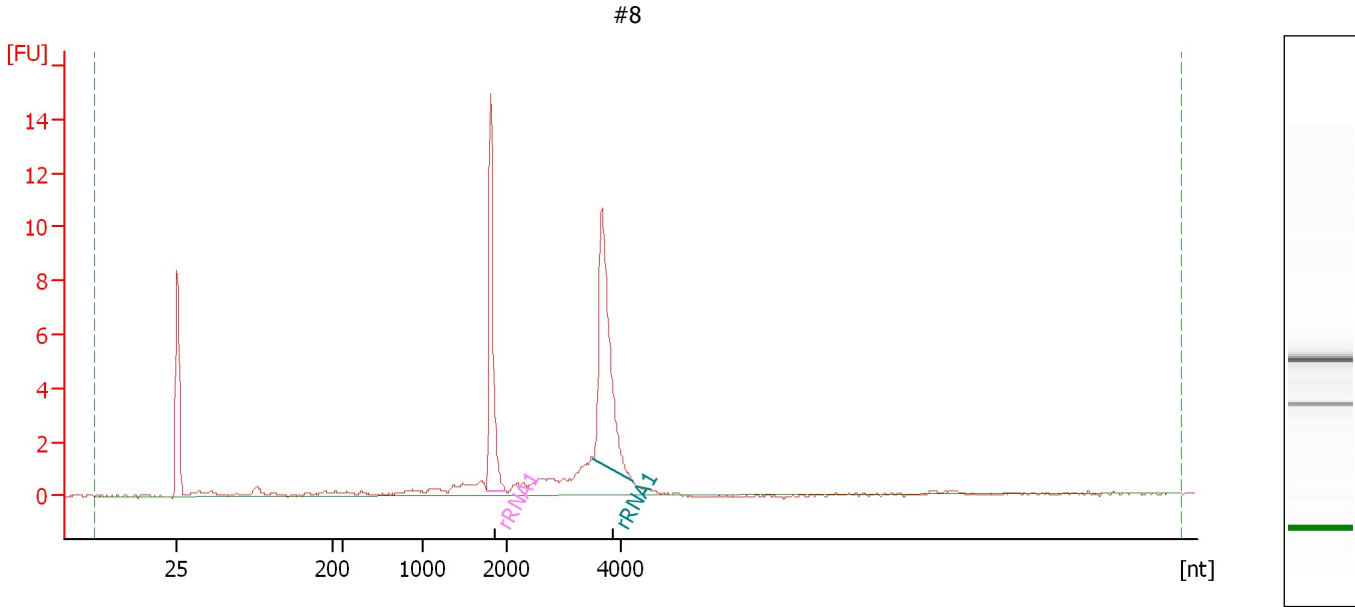
Fragment table for sample 5 : #5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,739	1,939	19.9	19.4
rRNA1	3,466	4,152	30.2	29.4

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : #8

RNA Area: 50.8 rRNA Contamination: 52.3 %
RNA Concentration: 62 ng/μl

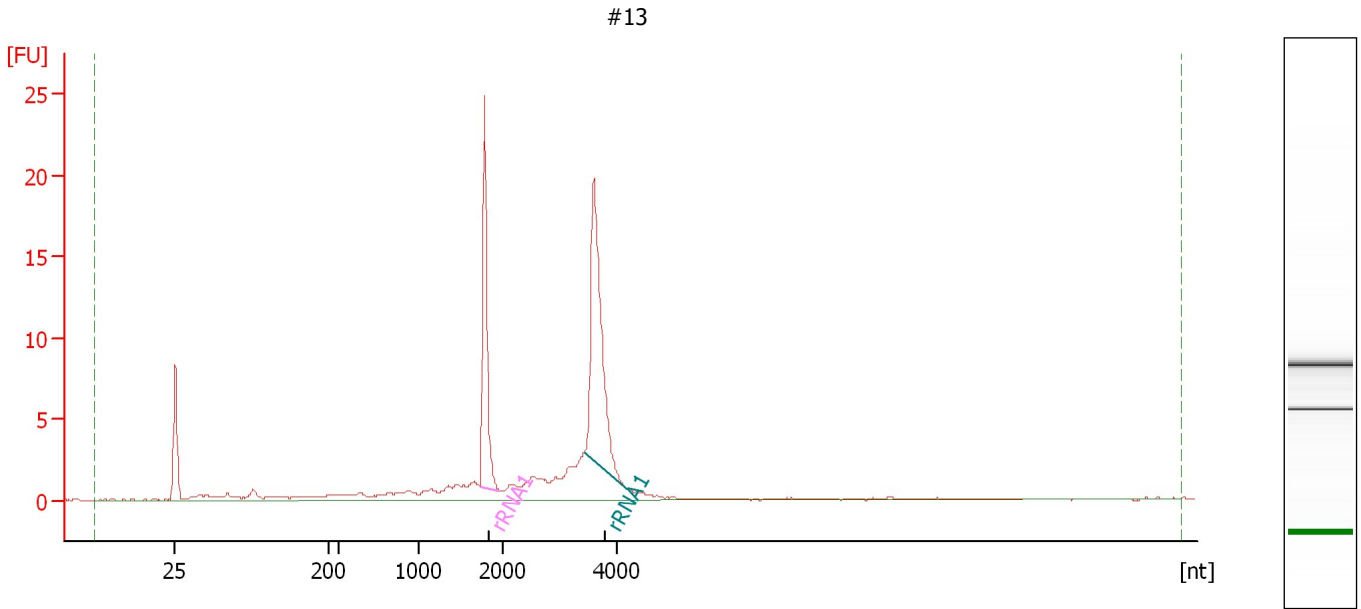
Fragment table for sample 6 : #8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,756	1,986	11.3	22.2
rRNA1	3,503	4,181	15.3	30.1

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : #13

RNA Area: 98.3 rRNA Contamination: 46.6 %
RNA Concentration: 120 ng/μl

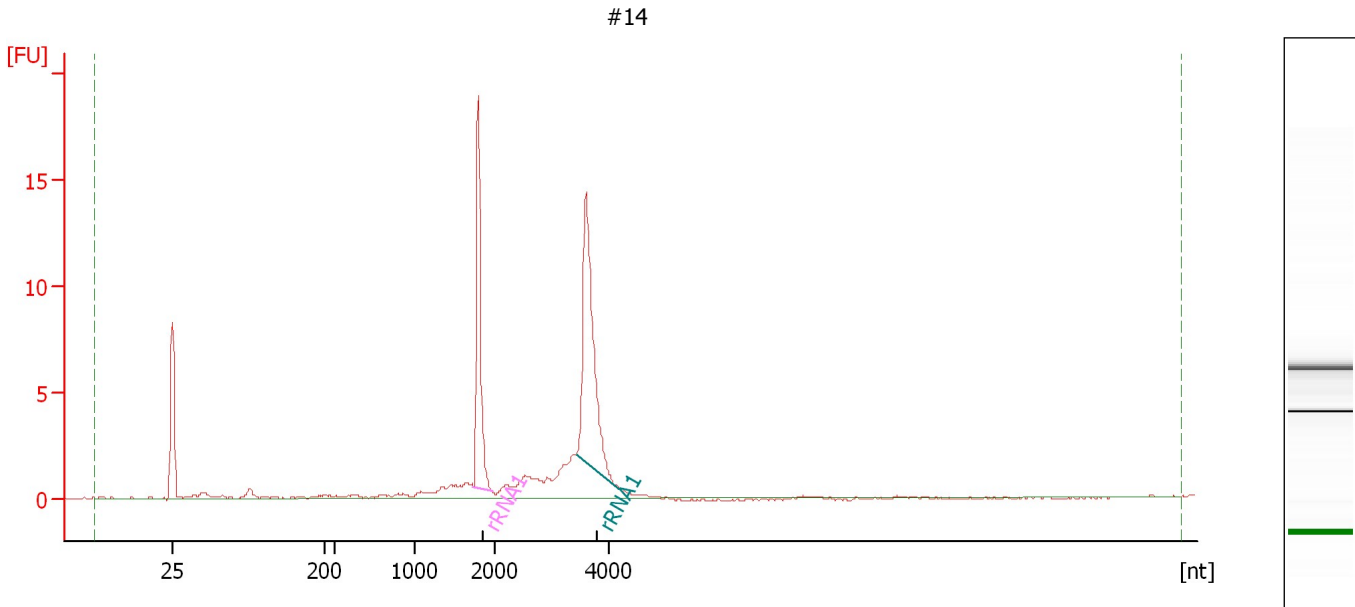
Fragment table for sample 7 : #13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,734	1,966	18.2	18.5
rRNA1	3,443	4,167	27.6	28.1

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : #14

RNA Area: 61.8 rRNA Contamination: 55.3 %
RNA Concentration: 75 ng/μl

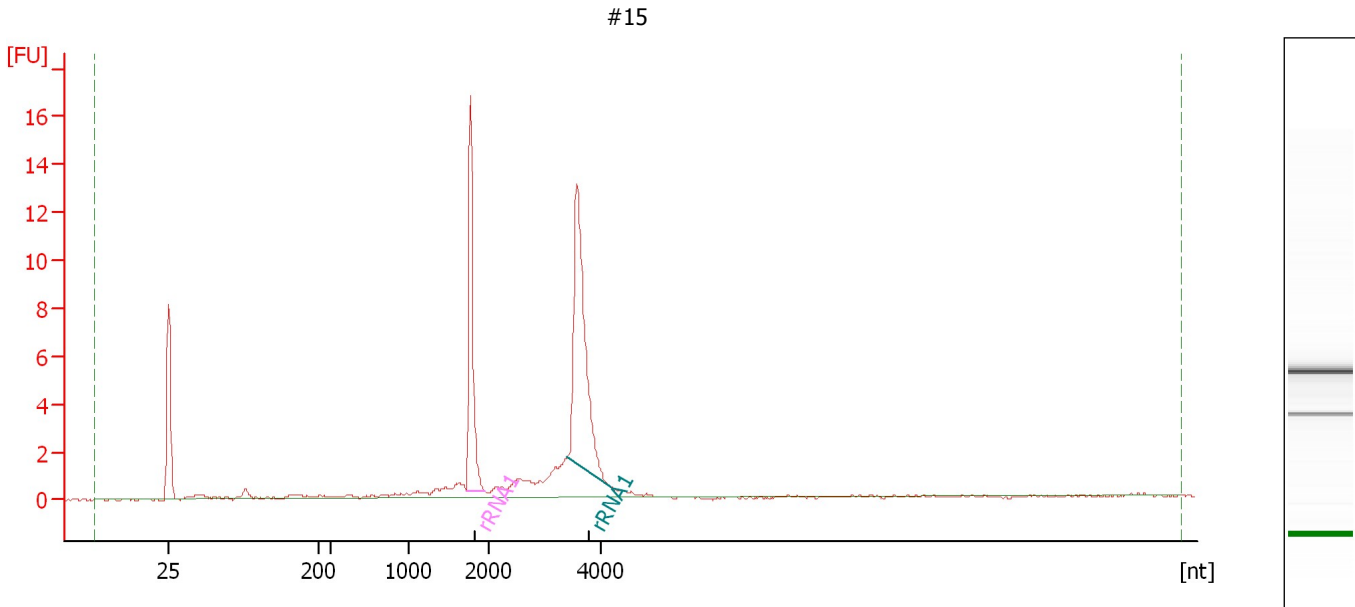
Fragment table for sample 8 : #14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,731	1,955	14.0	22.7
rRNA1	3,427	4,187	20.2	32.6

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : #15

RNA Area: 58.4 rRNA Contamination: 56.4 %
RNA Concentration: 71 ng/μl

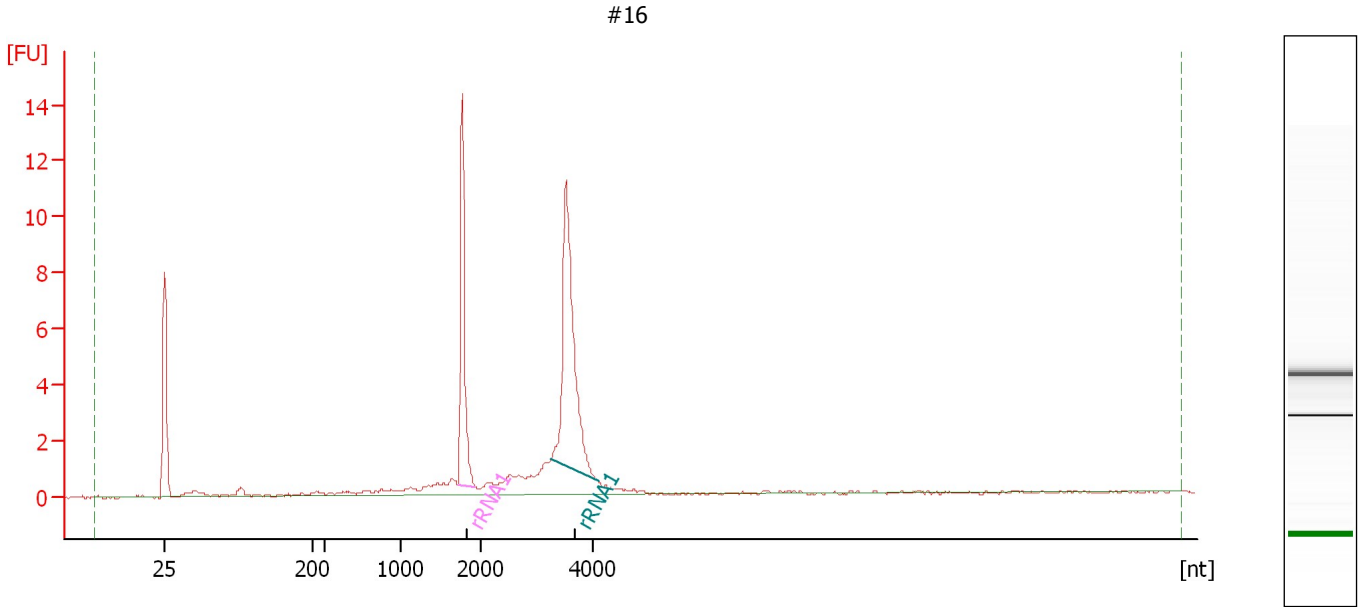
Fragment table for sample 9 : #15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,717	1,934	12.8	21.9
rRNA1	3,397	4,150	20.1	34.5

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : #16

RNA Area: 52.5 rRNA Contamination: 53.5 %
RNA Concentration: 64 ng/μl

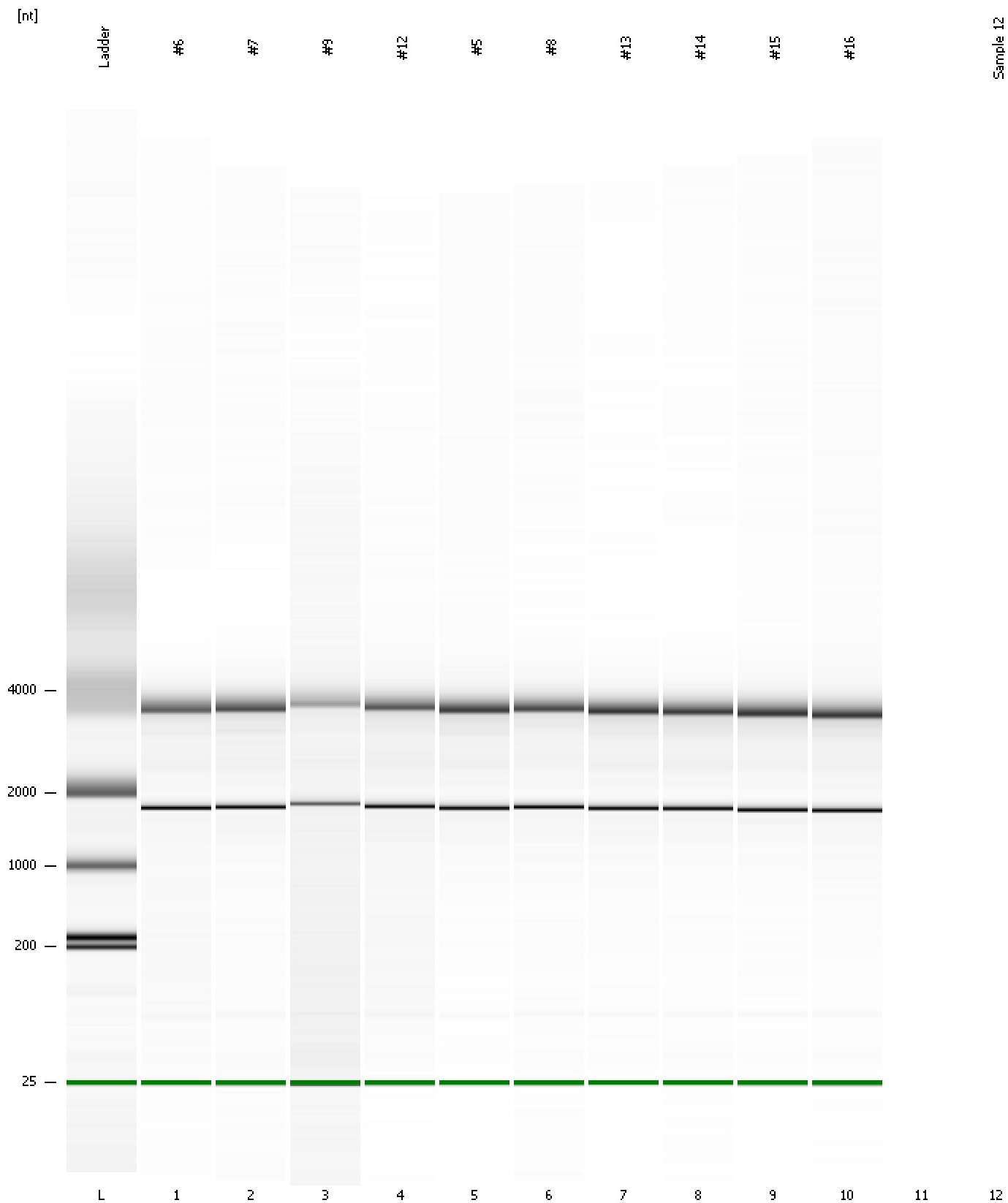
Fragment table for sample 10 : #16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,712	1,922	10.7	20.3
rRNA1	3,268	4,102	17.4	33.2

Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Gel Image



Assay Class: mRNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-11-09\2017-11-09_002.xad

Created: 11/9/2017 4:41:22 PM
Modified: 11/9/2017 5:05:10 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.