

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-01-28\2019-01-28_002.xad

Created: 1/28/2019 11:35:54 AM
Modified: 1/28/2019 12:01:47 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

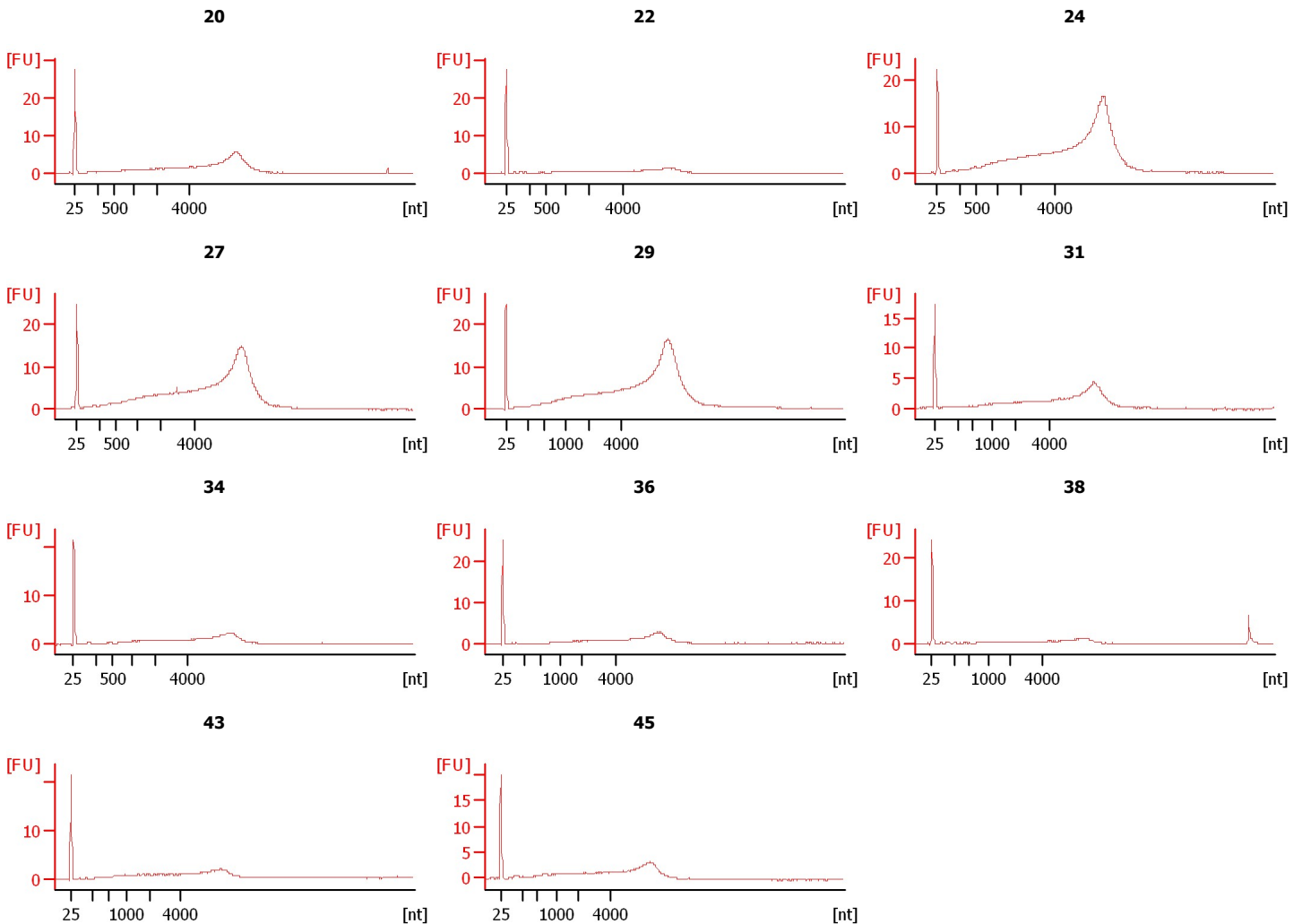
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
20		✓		
22		✓		
24		✓		
27		✓		
29		✓		
31		✓		
34		✓		
36		✓		
38		✓		
43		✓		
45		✓		
Ladder		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ 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

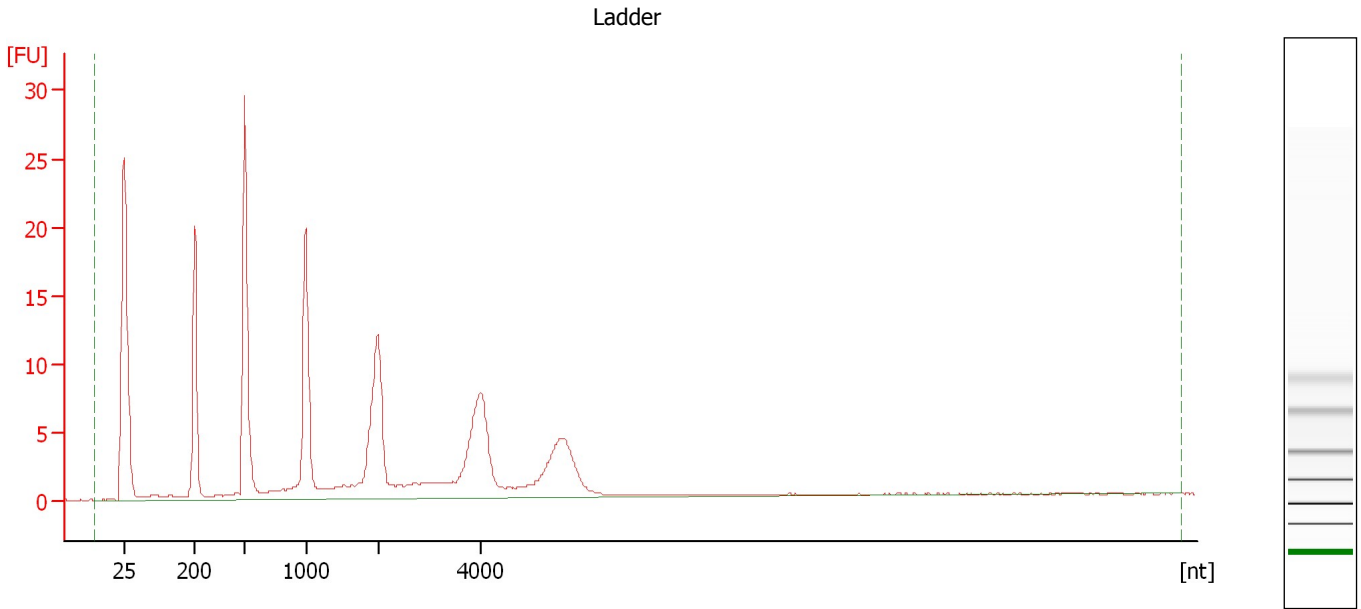
Ladder

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

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Electropherogram Summary



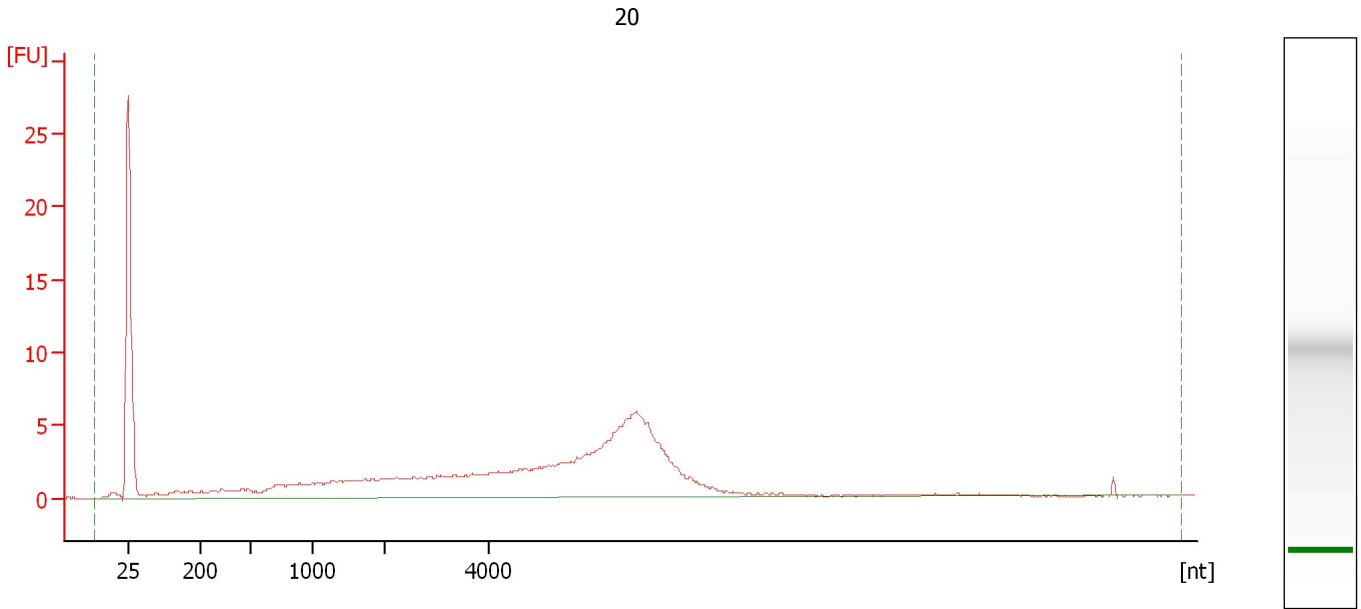
Overall Results for Ladder

RNA Area: 216.8 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 20

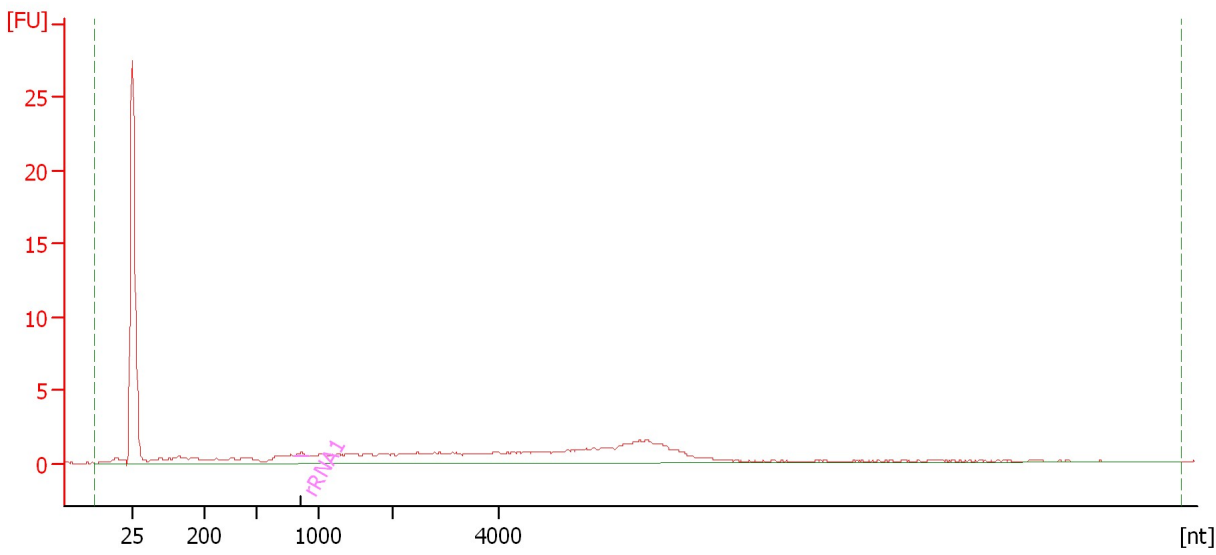
RNA Area: 150.7 rRNA Contamination: 0.0 %
RNA Concentration: 695 pg/μl

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Electropherogram Summary Continued ...

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Overall Results for sample 2 : 22

RNA Area: 63.4 rRNA Contamination: 0.6 %
RNA Concentration: 292 pg/μl

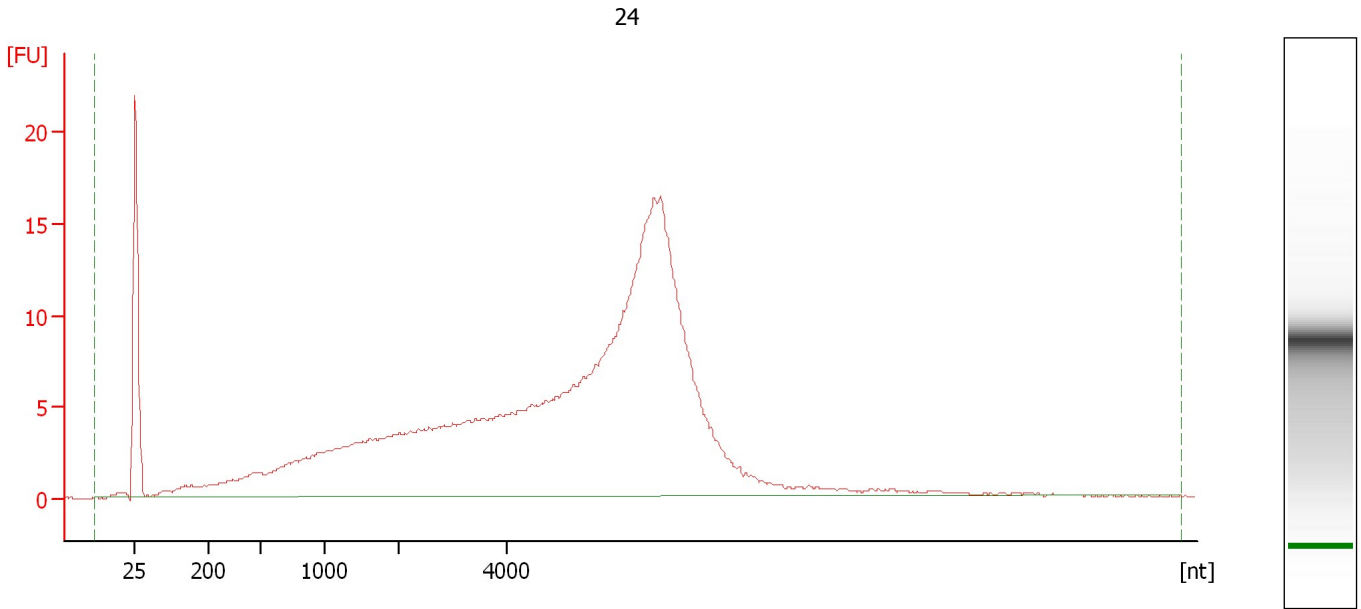
Fragment table for sample 2 : 22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	814	921	0.4	0.6

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Electropherogram Summary Continued ...



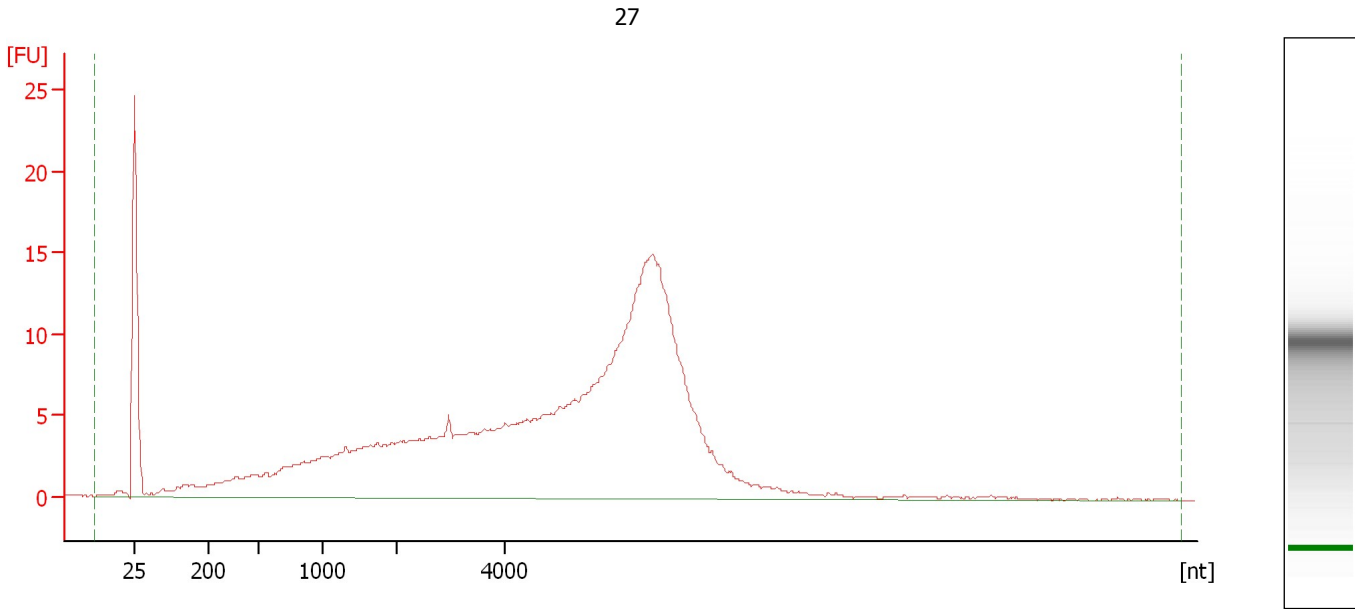
Overall Results for sample 3 : 24

RNA Area: 392.9 rRNA Contamination: 0.0 %
RNA Concentration: 1,812 pg/μl

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Electropherogram Summary Continued ...



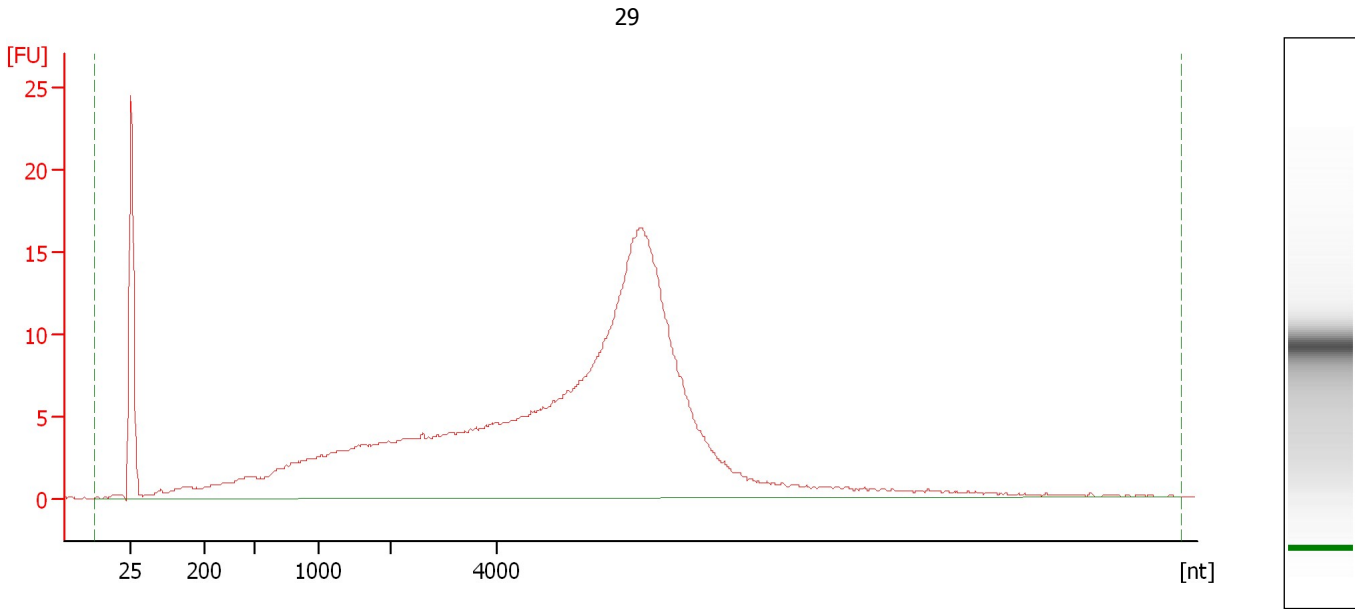
Overall Results for sample 4 : 27

RNA Area: 383.9 rRNA Contamination: 0.0 %
RNA Concentration: 1,771 pg/μl

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Electropherogram Summary Continued ...



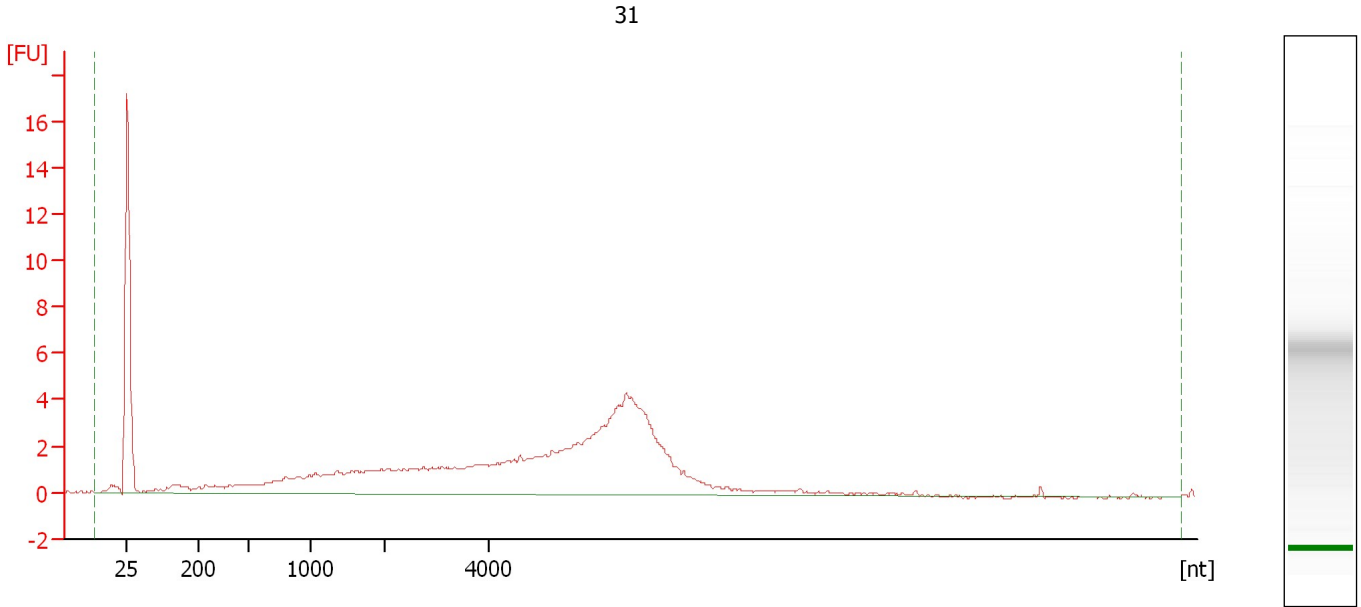
Overall Results for sample 5 : 29

RNA Area:	409.5	rRNA Contamination:	0.0 %
RNA Concentration:	1,889 pg/μl		

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Electropherogram Summary Continued ...



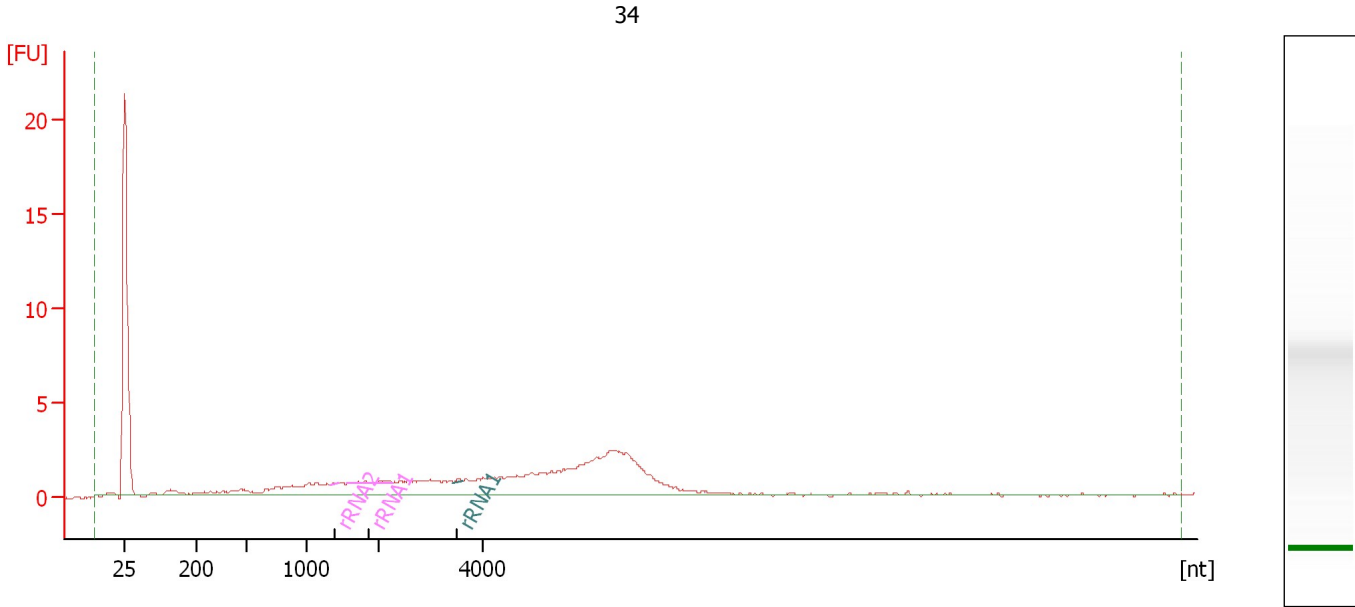
Overall Results for sample 6 : 31

RNA Area: 114.9 rRNA Contamination: 0.0 %
RNA Concentration: 530 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 34

RNA Area: 70.0 rRNA Contamination: 1.0 %
RNA Concentration: 323 pg/μl

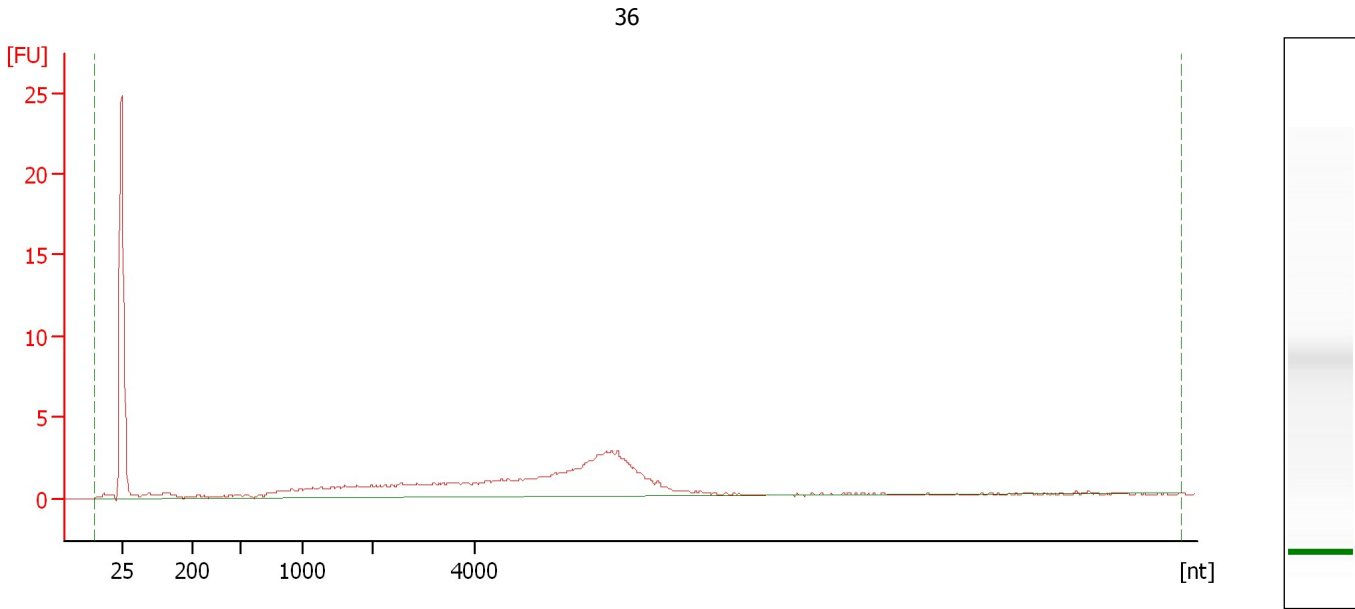
Fragment table for sample 7 : 34

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,336	1,436	0.1	0.1
rRNA1	1,546	2,264	0.6	0.8
rRNA1	3,439	3,609	0.1	0.1

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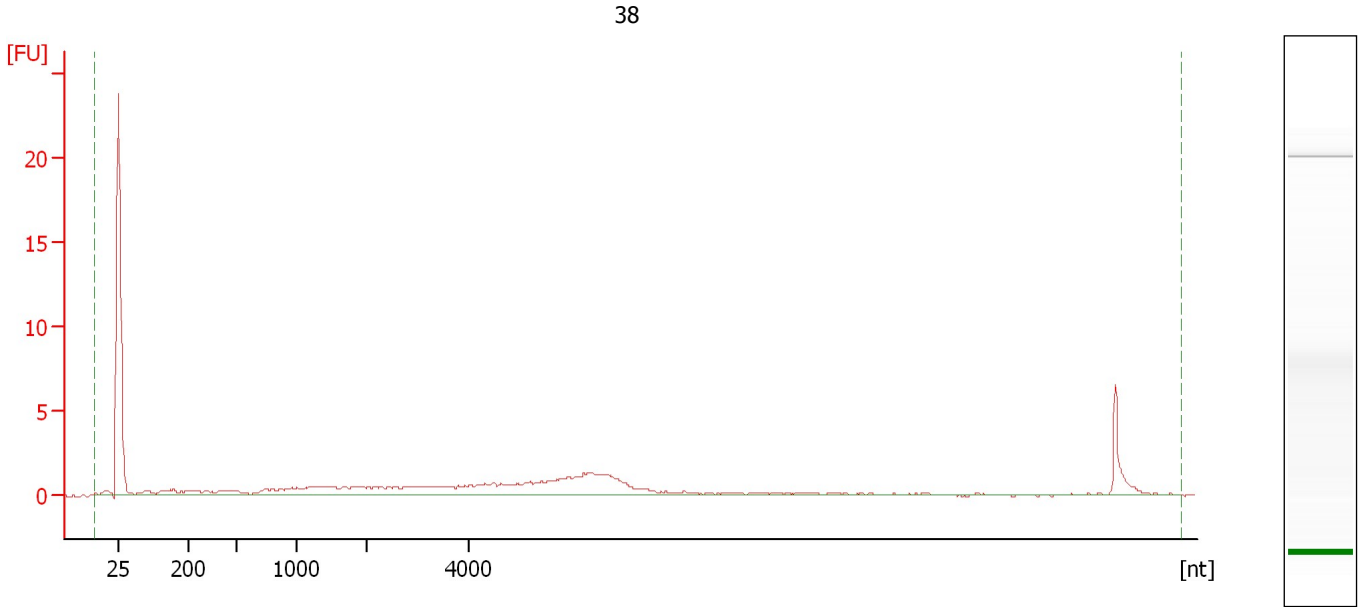
Overall Results for sample 8 : 36

RNA Area: 71.3 rRNA Contamination: 0.0 %
RNA Concentration: 329 pg/μl

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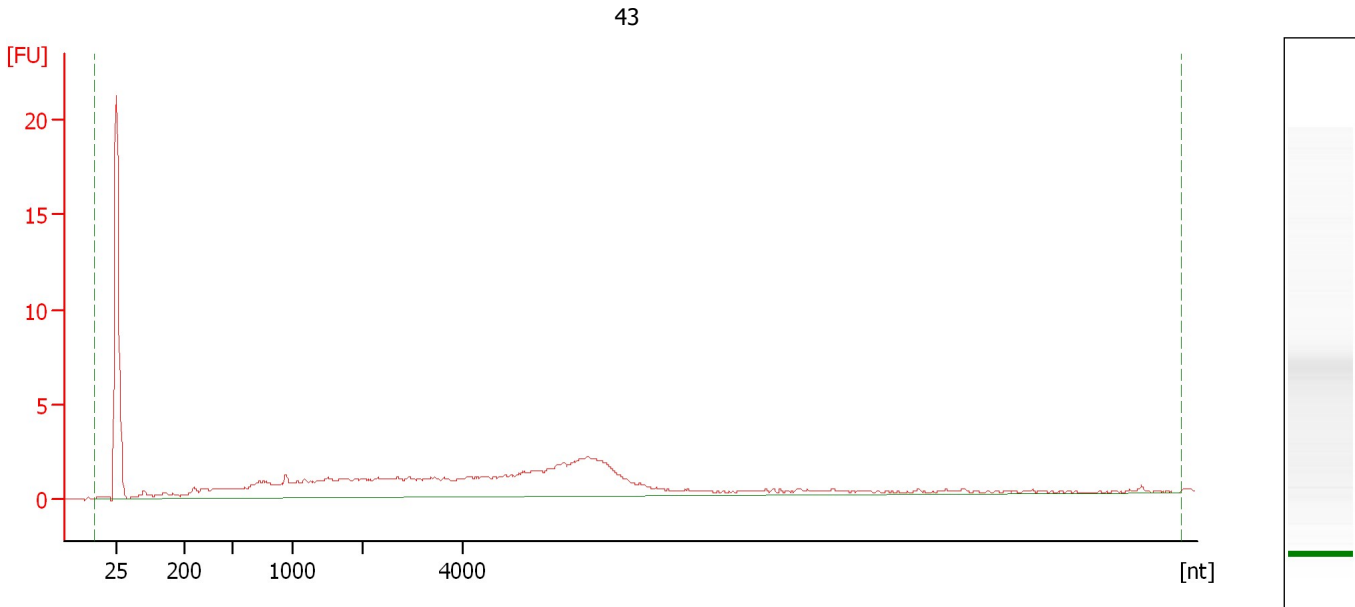
Overall Results for sample 9 : 38

RNA Area: 49.8 rRNA Contamination: 0.0 %
RNA Concentration: 230 pg/μl

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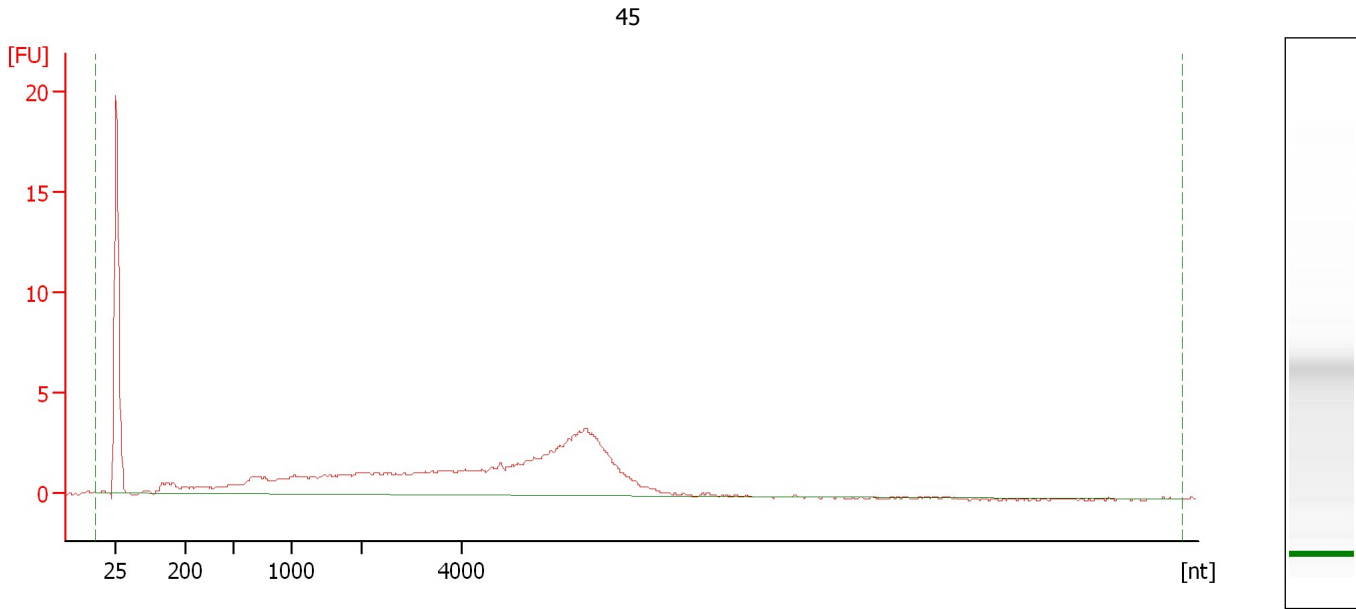
Overall Results for sample 10 : 43

RNA Area: 84.4 rRNA Contamination: 0.0 %
RNA Concentration: 389 pg/μl

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 45

RNA Area: 93.8 rRNA Contamination: 0.0 %
RNA Concentration: 433 pg/μl

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Gel Image