

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-29\2015-06-29_004.xad

Created: 6/29/2015 4:31:34 PM
Modified: 6/29/2015 4:53:03 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\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

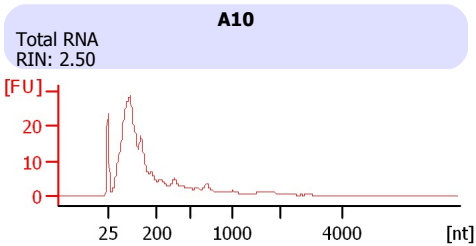
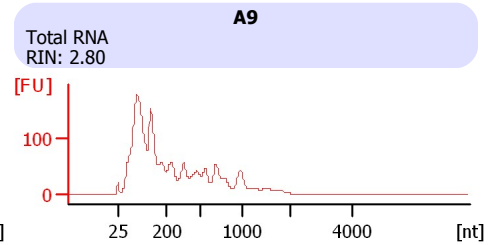
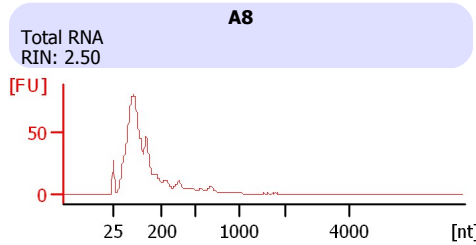
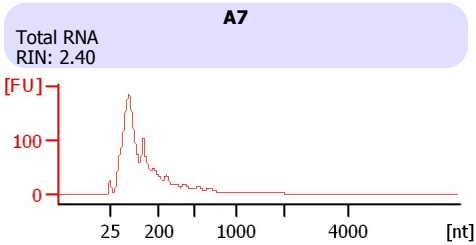
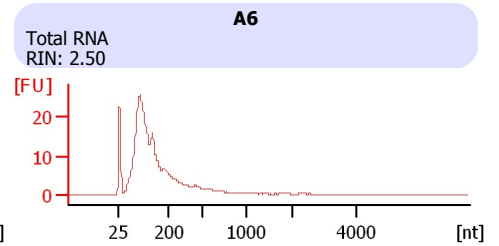
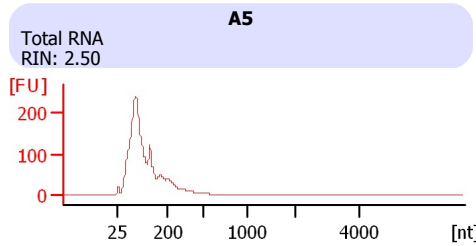
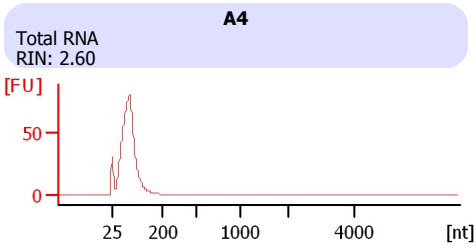
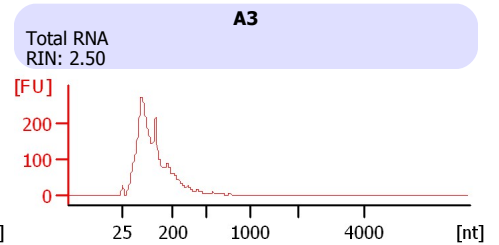
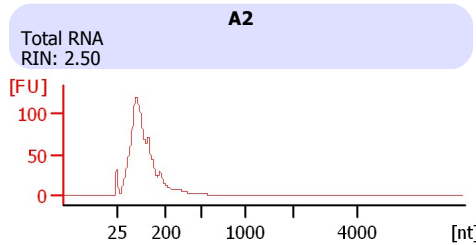
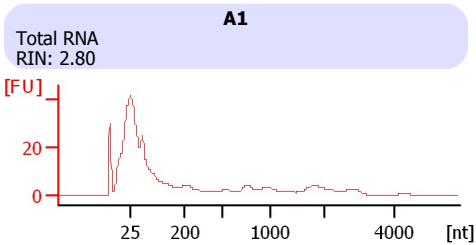
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Chip Information:

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
A1	Total RNA	✓	RIN: 2.80	
A2	Total RNA	✓	RIN: 2.50	
A3	Total RNA	✓	RIN: 2.50	
A4	Total RNA	✓	RIN: 2.60	
A5	Total RNA	✓	RIN: 2.50	
A6	Total RNA	✓	RIN: 2.50	
A7	Total RNA	✓	RIN: 2.40	
A8	Total RNA	✓	RIN: 2.50	
A9	Total RNA	✓	RIN: 2.80	
A10	Total RNA	✓	RIN: 2.50	
Sample 11				
Ladder		✓	All Other Samples	

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] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
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] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

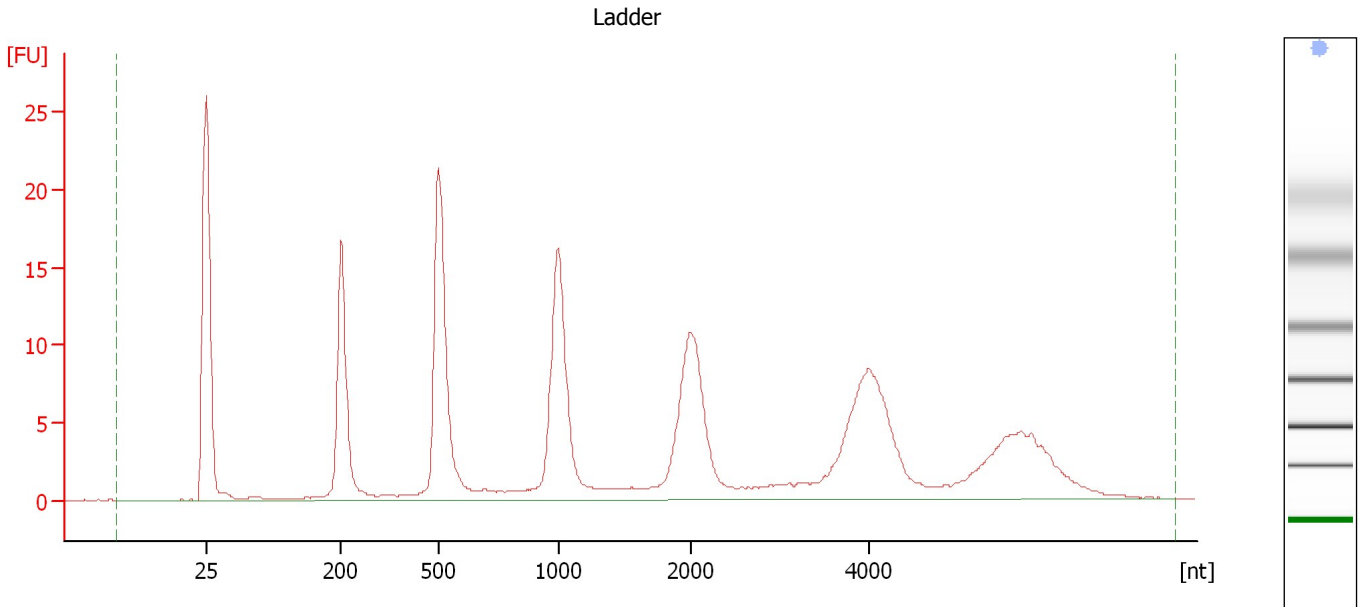
Ladder

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

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Electropherogram Summary



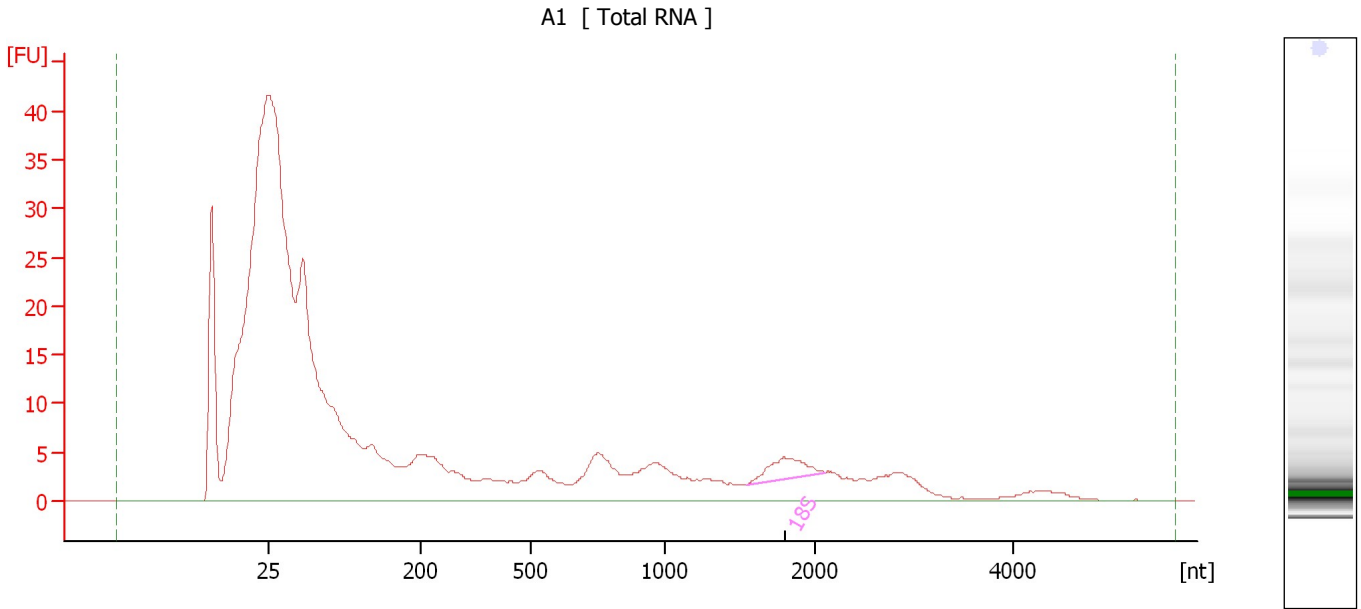
Overall Results for Ladder

RNA Area:	223.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : A1

RNA Area:	366.4	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	1,641 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

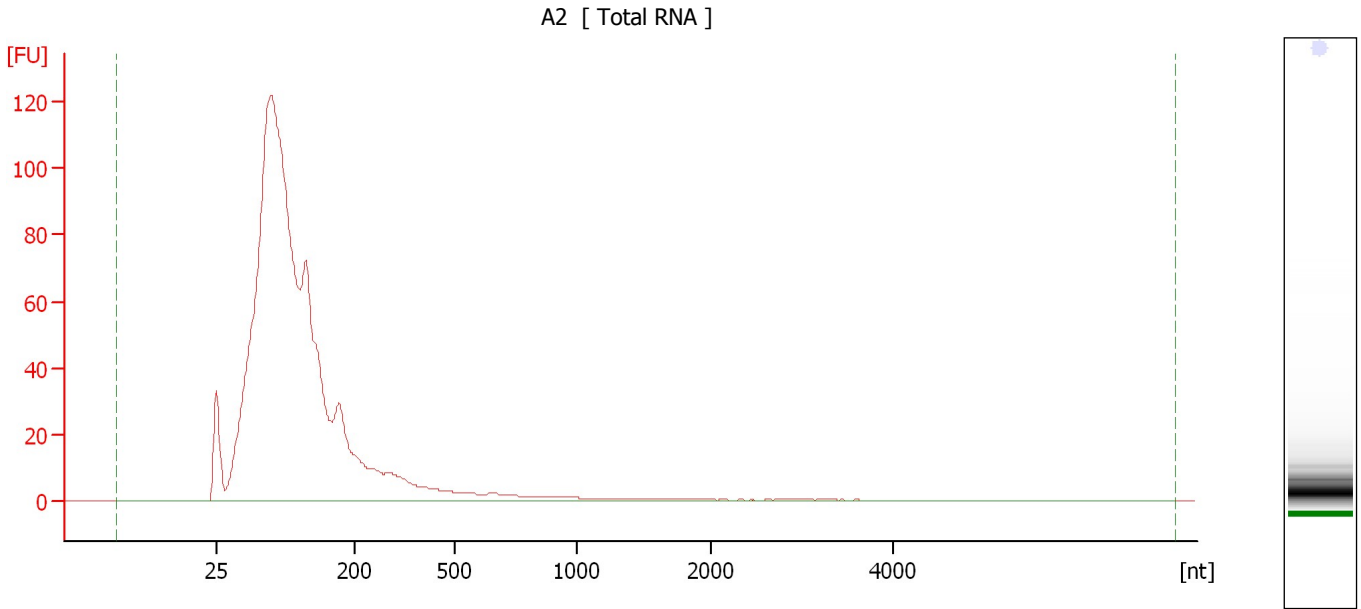
Fragment table for sample 1 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	2,111	8.7	2.4

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Electropherogram Summary Continued ...



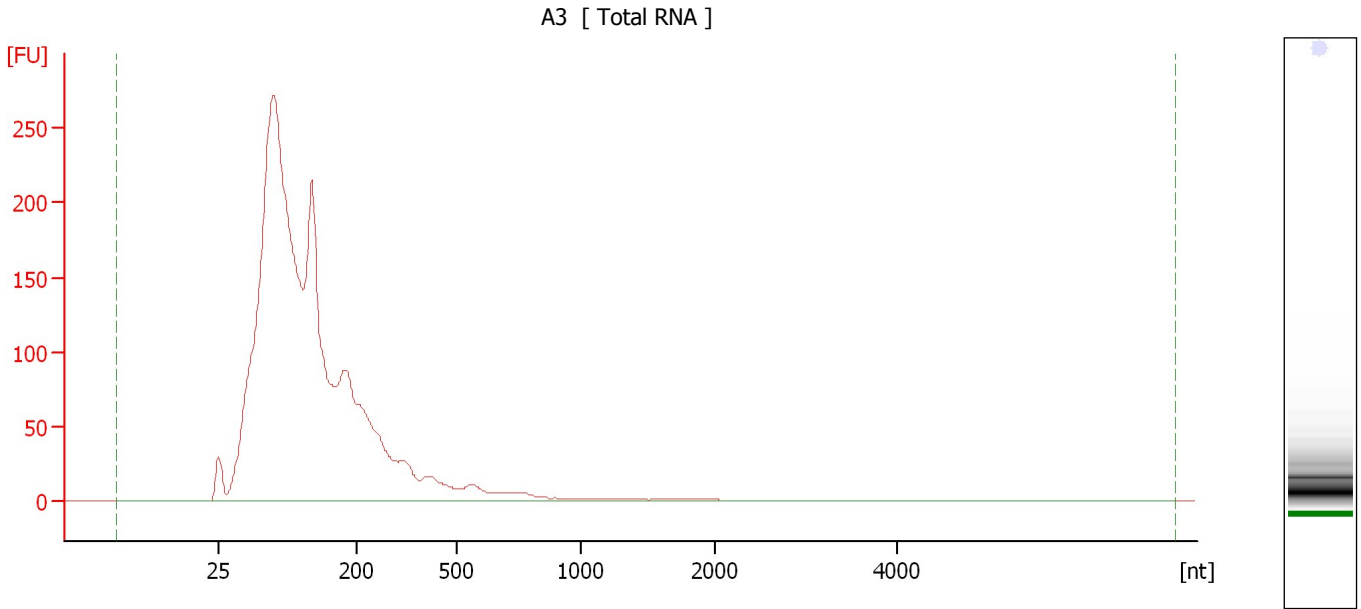
Overall Results for sample 2 : A2

RNA Area:	1,343.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	6,018 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

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Electropherogram Summary Continued ...



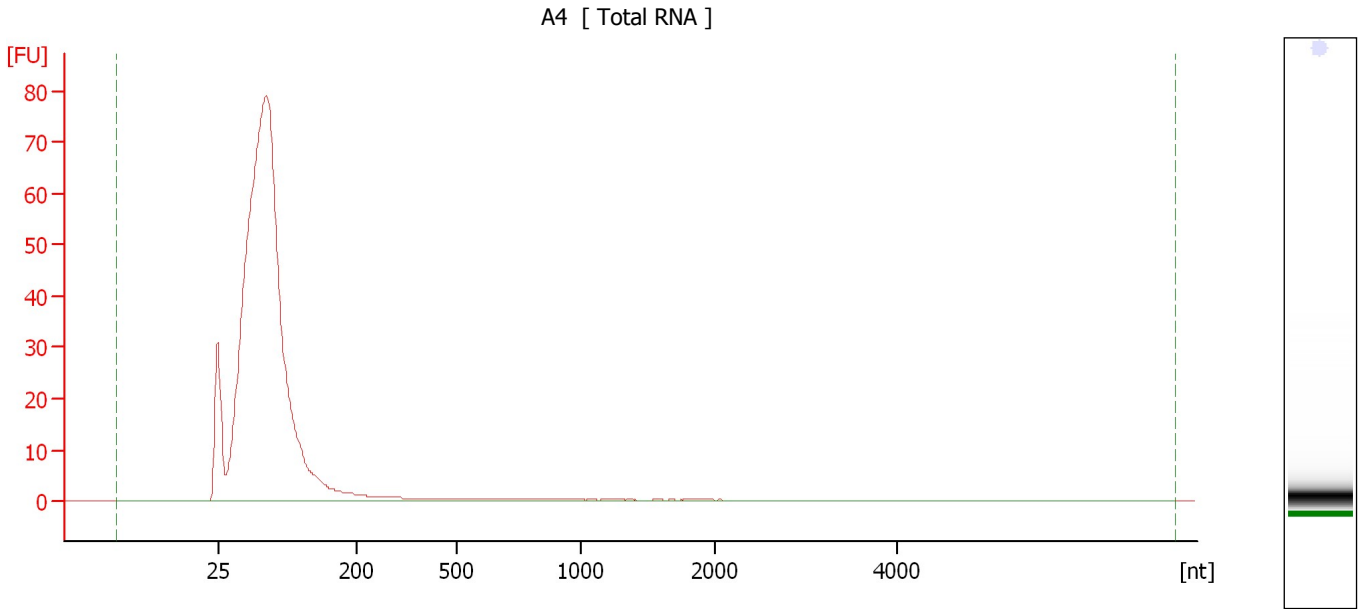
Overall Results for sample 3 : A3

RNA Area:	3,341.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	14,965 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

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Electropherogram Summary Continued ...



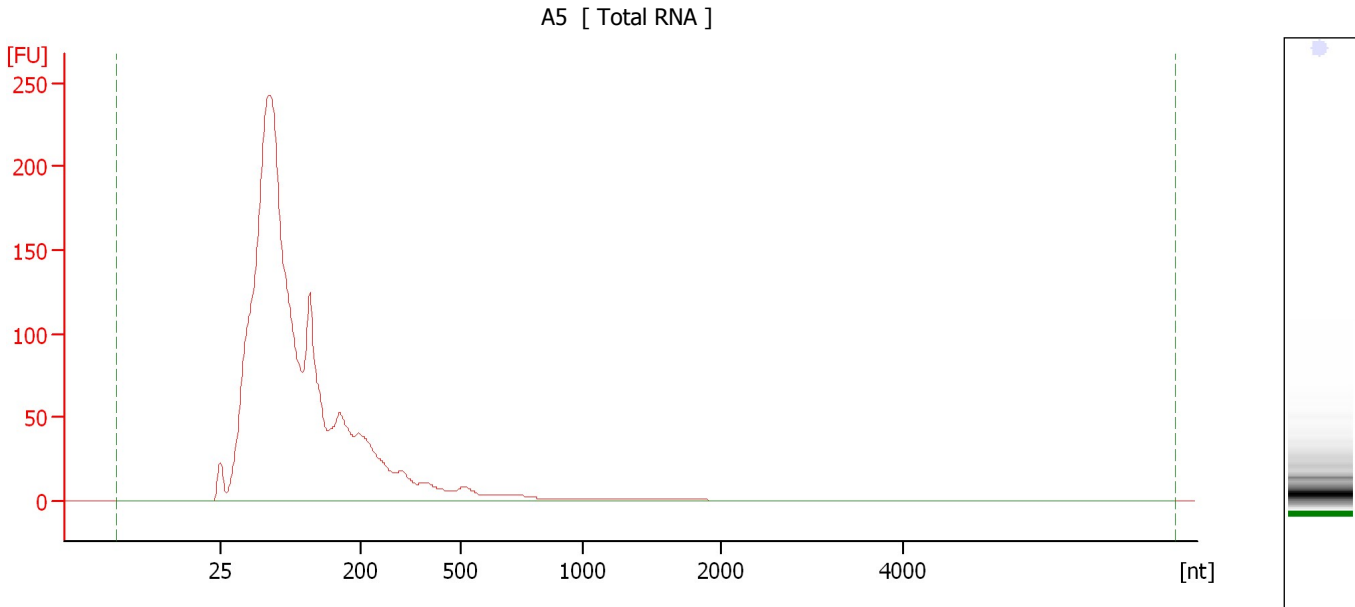
Overall Results for sample 4 : A4

RNA Area:	603.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	2,704 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

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Electropherogram Summary Continued ...



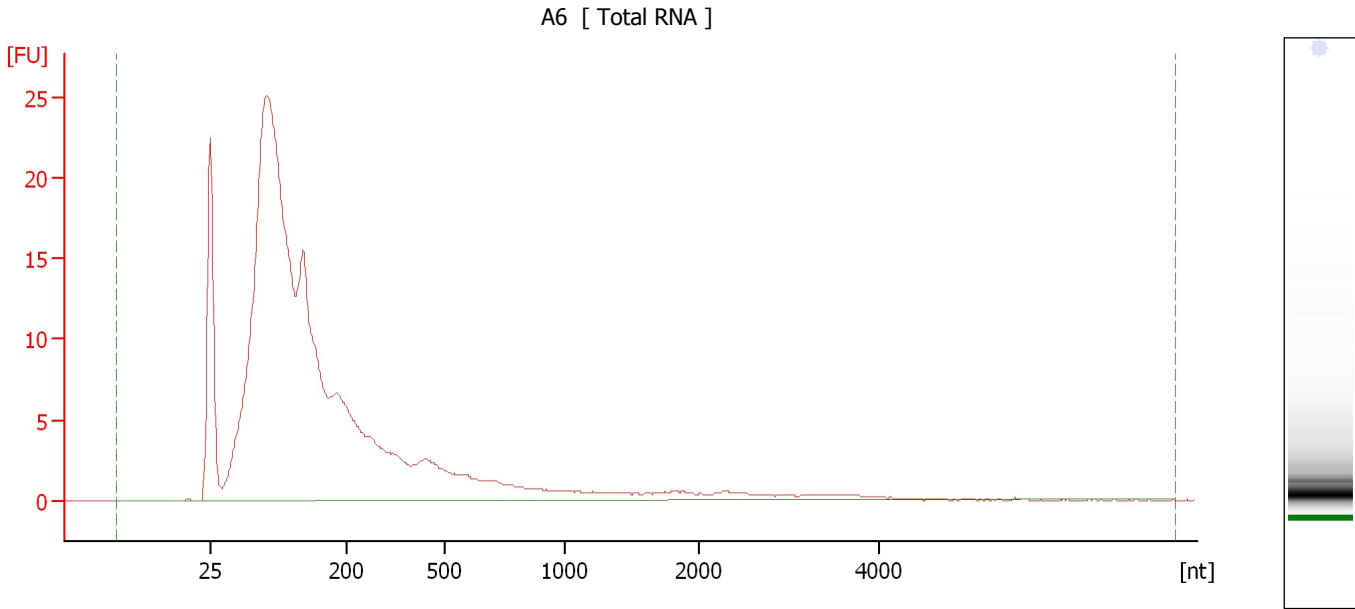
Overall Results for sample 5 : A5

RNA Area:	2,538.9	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	11,371 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

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Electropherogram Summary Continued ...



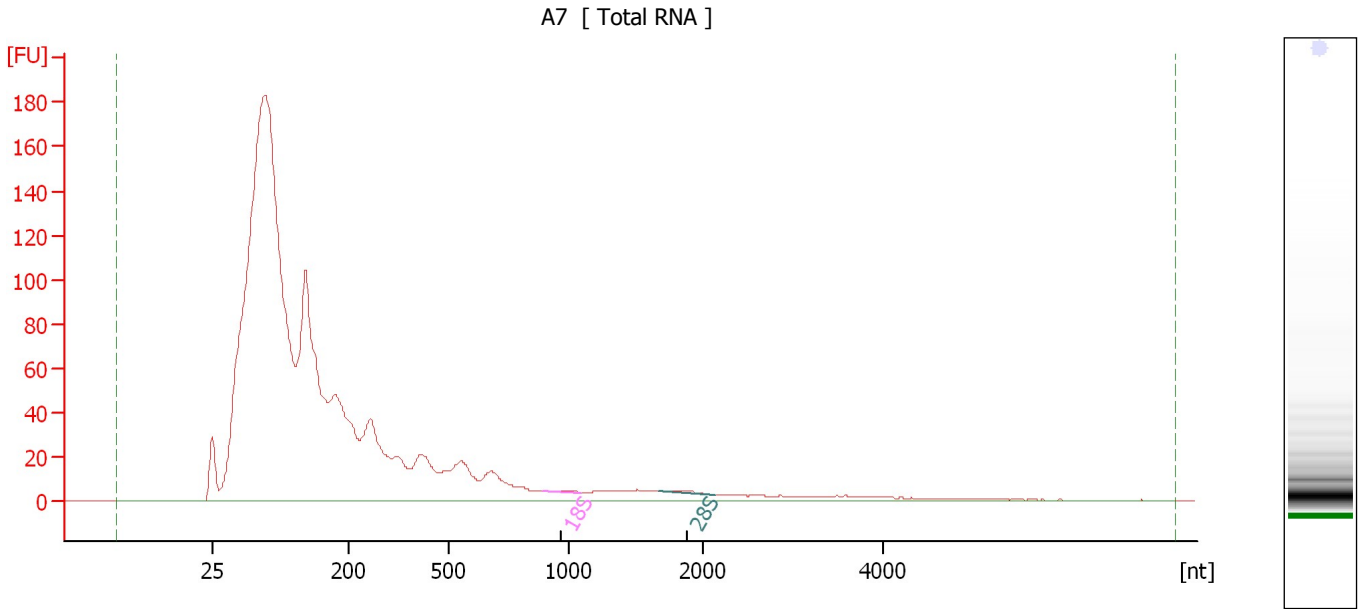
Overall Results for sample 6 : A6

RNA Area:	323.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	1,449 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

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Electropherogram Summary Continued ...



Overall Results for sample 7 : A7

RNA Area: 2,405.2 RNA Integrity Number (RIN): 2.4 (B.02.08)
RNA Concentration: 10,773 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 2.40

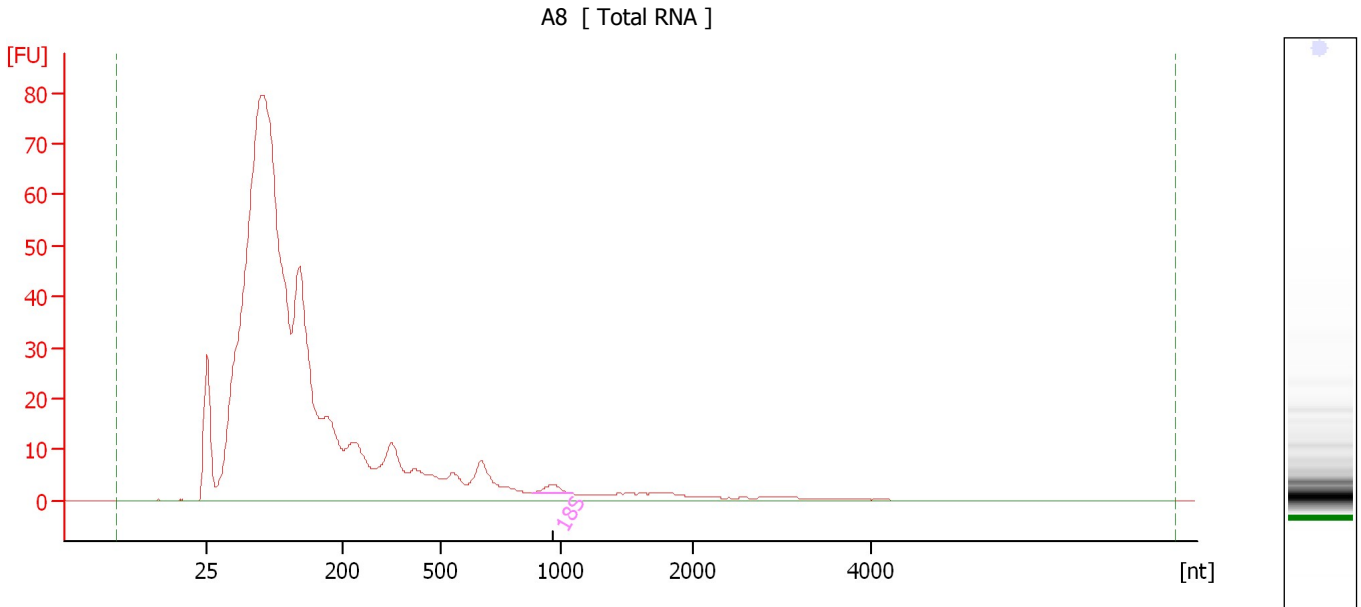
Fragment table for sample 7 : A7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	893	1,094	2.0	0.1
28S	1,675	2,121	3.3	0.1

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Electropherogram Summary Continued ...



Overall Results for sample 8 : A8

RNA Area:	1,000.8	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	4,482 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

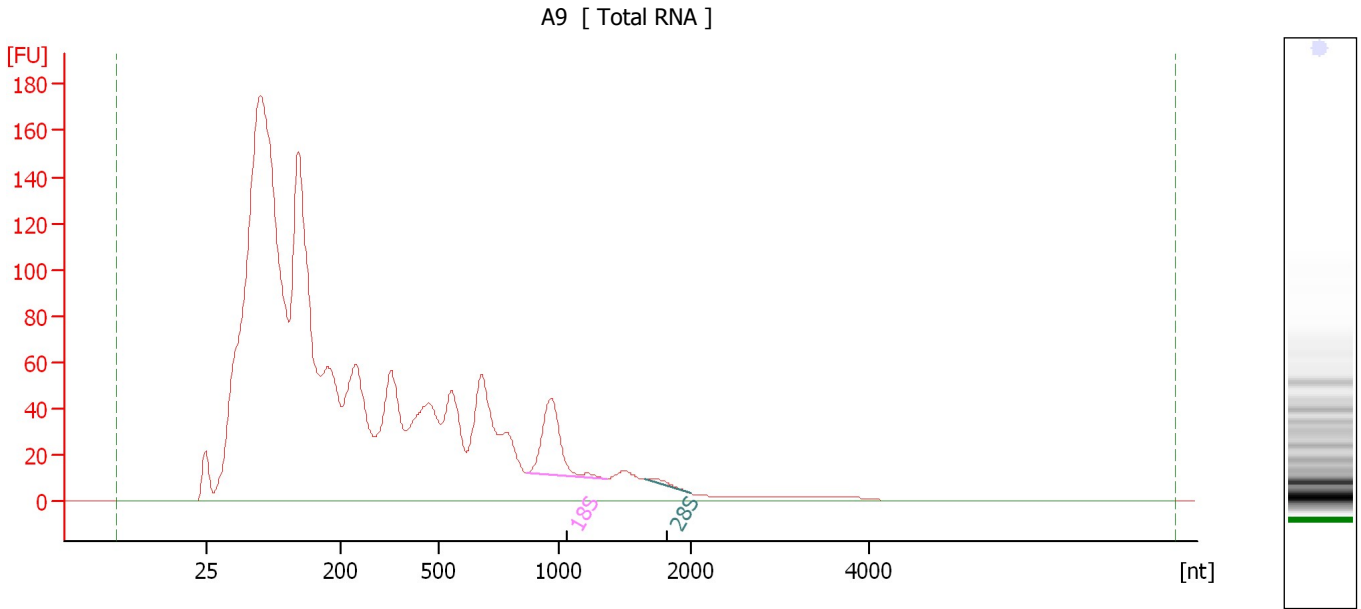
Fragment table for sample 8 : A8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	889	1,099	3.4	0.3

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Electropherogram Summary Continued ...



Overall Results for sample 9 : A9

RNA Area: 3,208.9 RNA Integrity Number (RIN): 2.8 (B.02.08)
RNA Concentration: 14,372 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 2.80

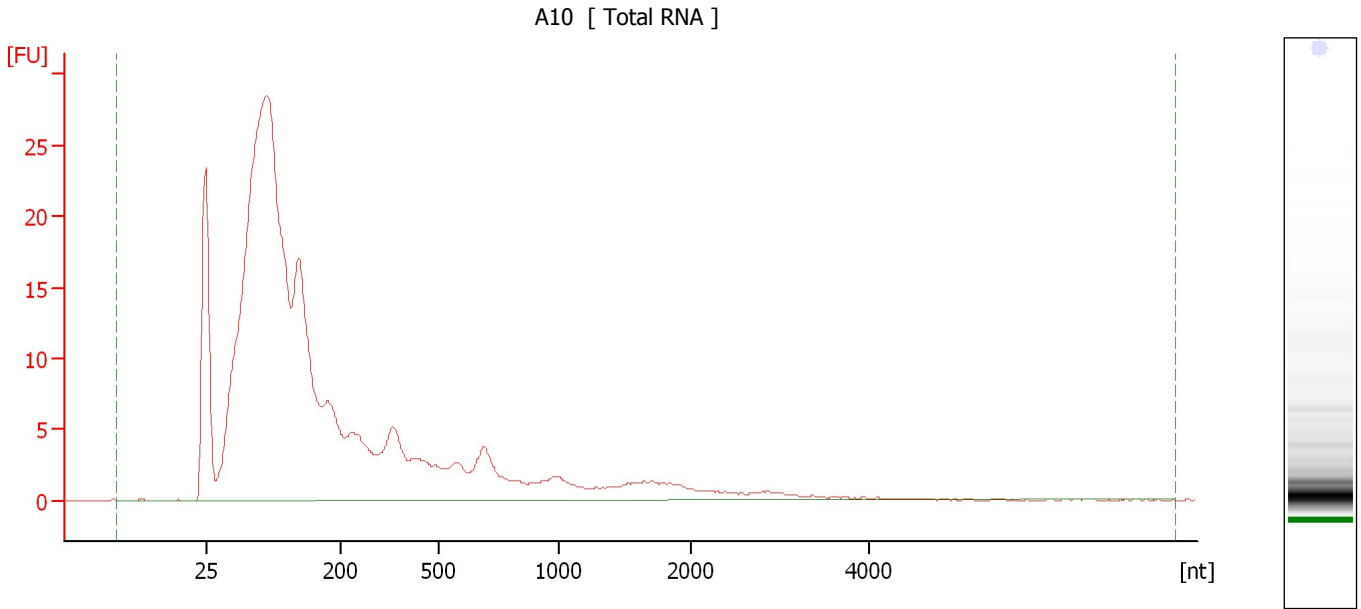
Fragment table for sample 9 : A9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	870	1,362	83.6	2.6
28S	1,653	2,000	5.0	0.2

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Electropherogram Summary Continued ...



Overall Results for sample 10 : A10

RNA Area:	408.3	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	1,829 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

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Gel Image

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Invalid Samples

Sample 11 has not been run, no results available.