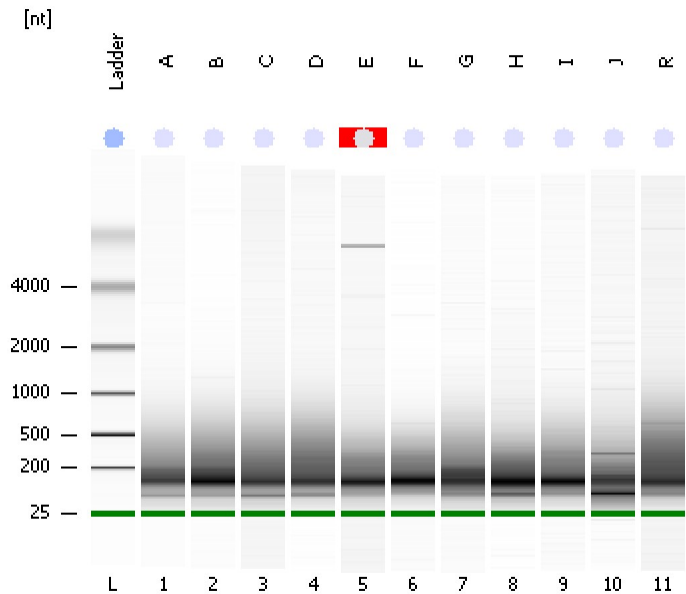


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electrophoresis File Run Summary



Instrument Information:

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

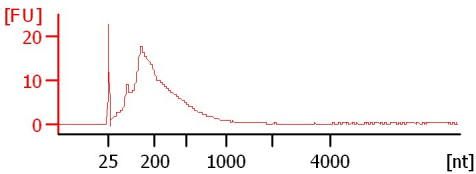
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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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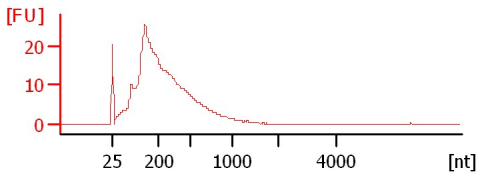
Chip Information:

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

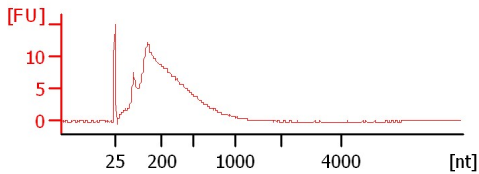
A
RIN: 3.10



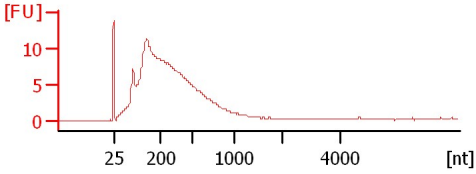
B
RIN: 2.30



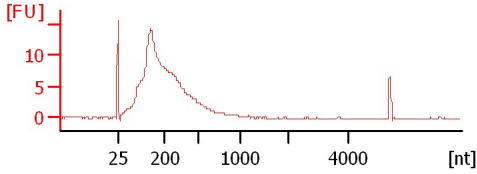
C
RIN: 2.40



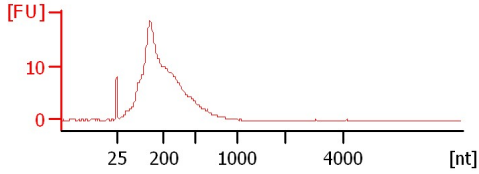
D
RIN: 2.40



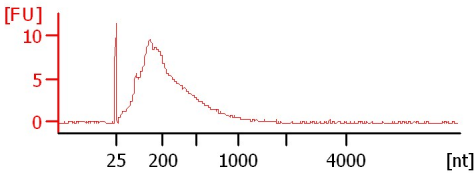
E
RIN N/A



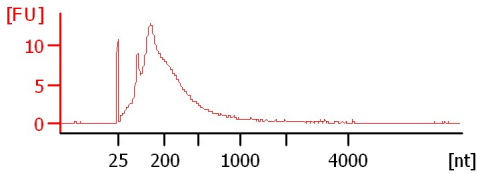
F
RIN: 2.30



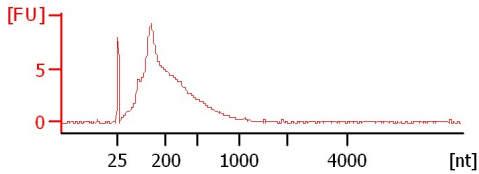
G
RIN: 2.50



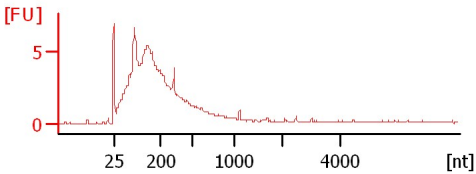
H
RIN: 2.50



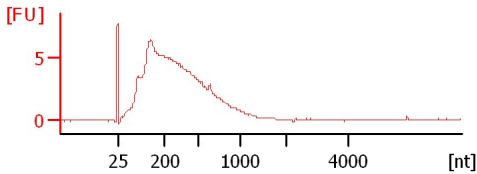
I
RIN: 2.40



J
RIN: 2.60



R
RIN: 2.50



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
 Modified: 1/9/2014 10:23:34 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A		✓	RIN: 3.10	
B		✓	RIN: 2.30	
C		✓	RIN: 2.40	
D		✓	RIN: 2.40	
E		✓	RIN N/A	
F		✓	RIN: 2.30	
G		✓	RIN: 2.50	
H		✓	RIN: 2.50	
I		✓	RIN: 2.40	
J		✓	RIN: 2.60	
R		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

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

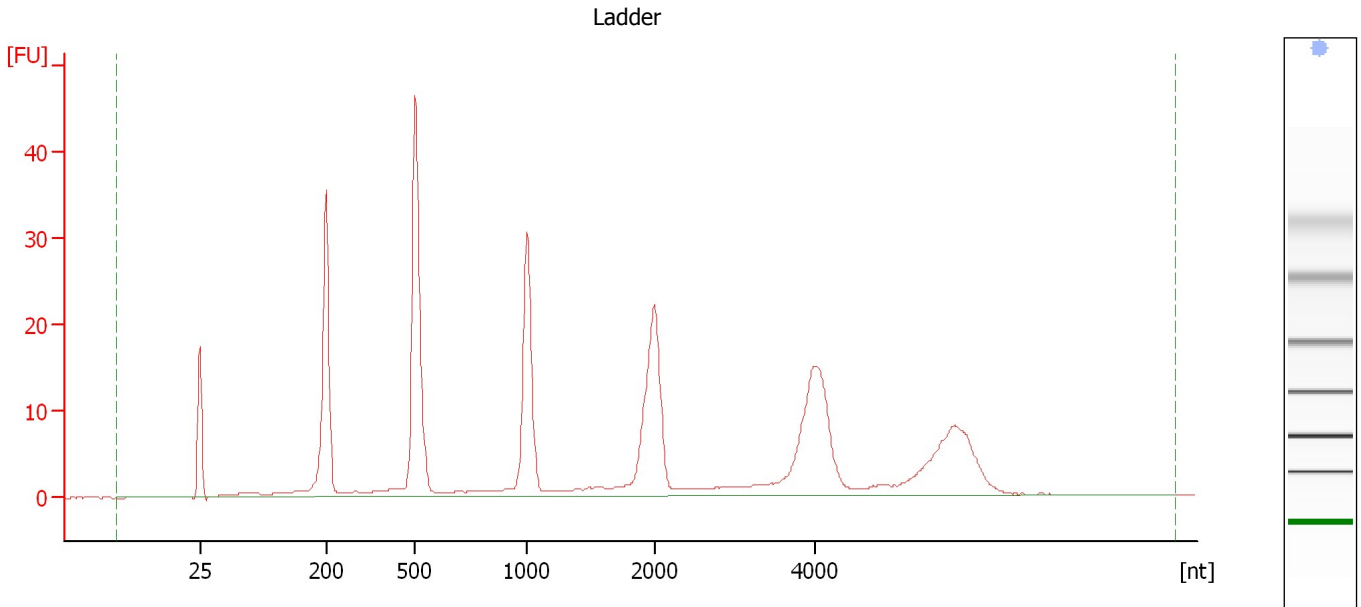
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary



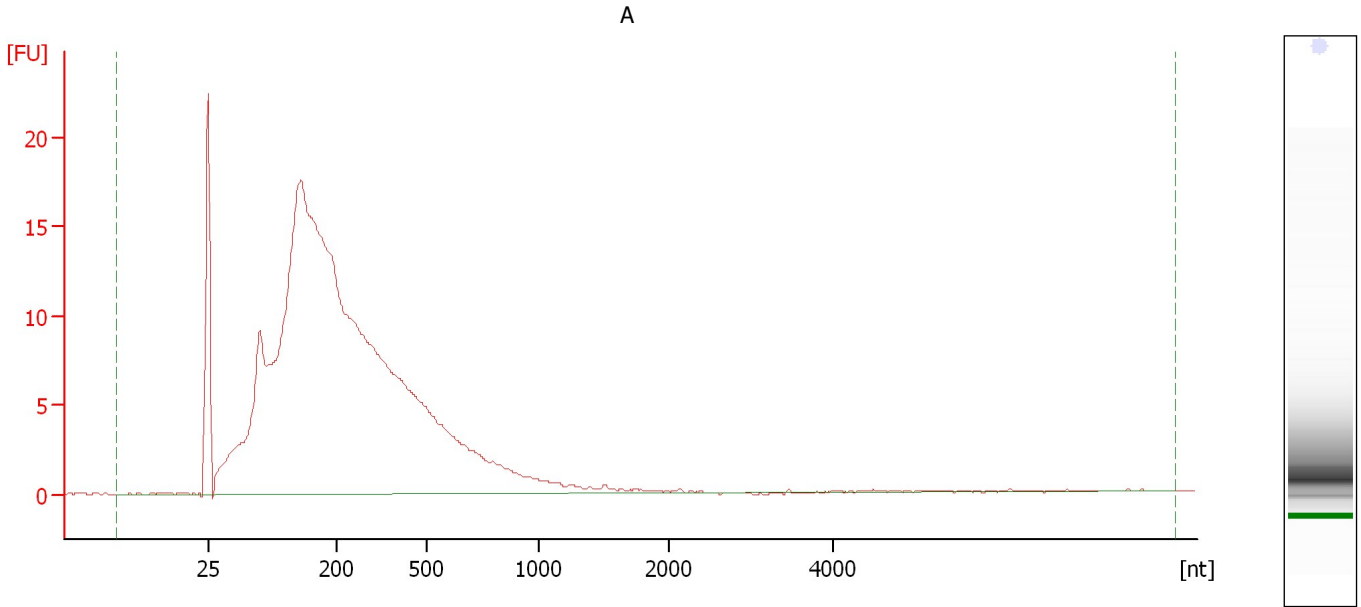
Overall Results for Ladder

RNA Area:	307.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



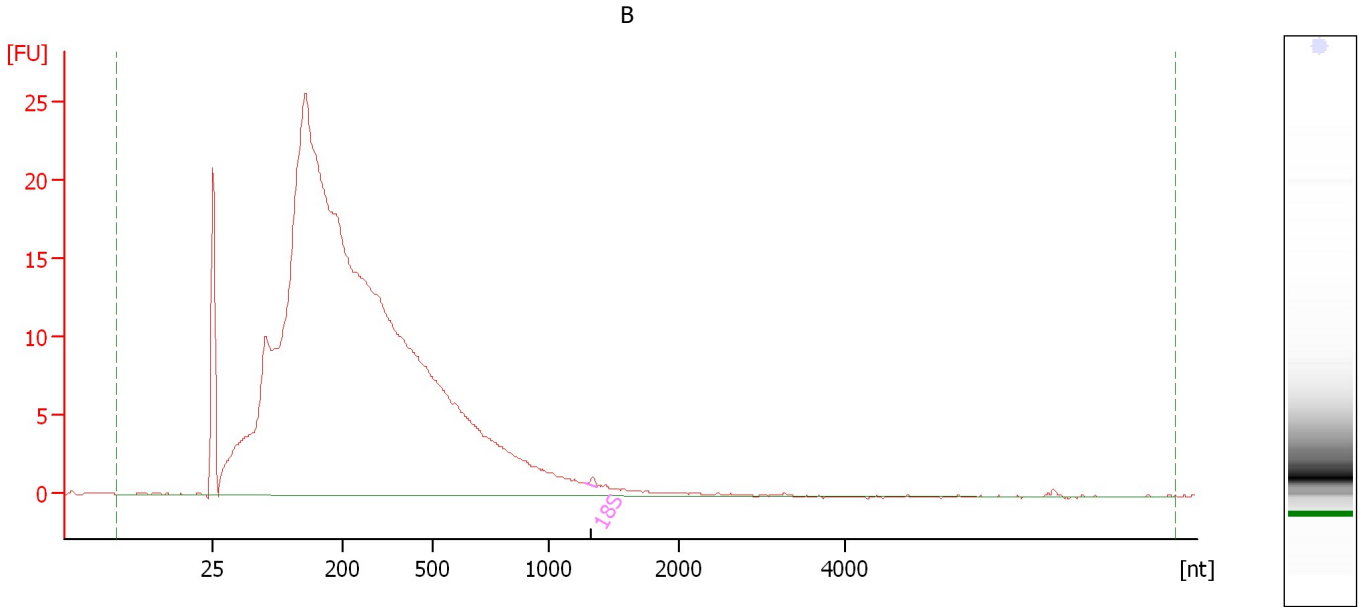
Overall Results for sample 1 : A

RNA Area:	325.8	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	1,058 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B

RNA Area:	466.0	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,514 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

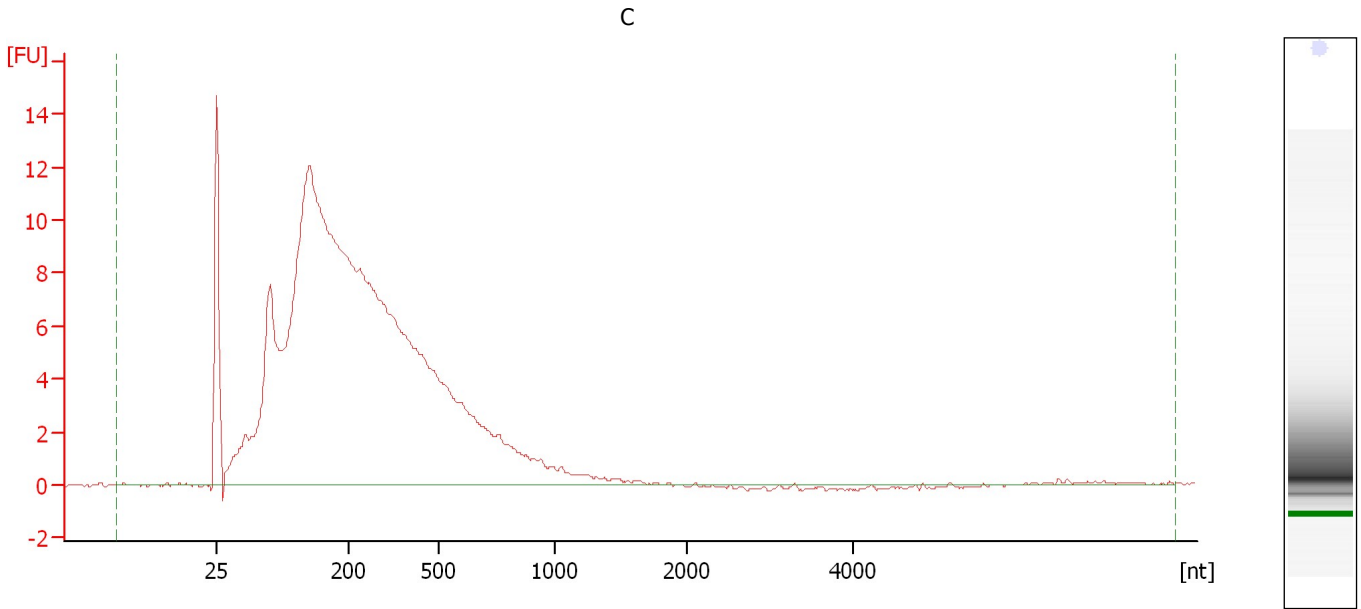
Fragment table for sample 2 : B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,271	1,378	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



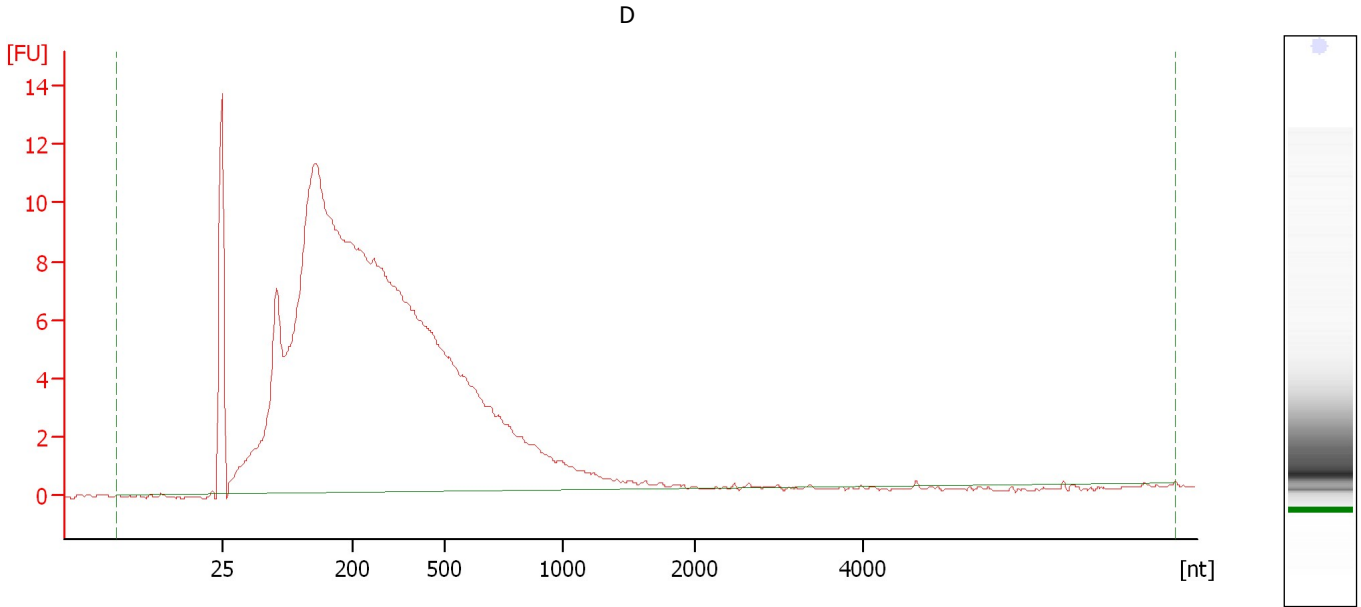
Overall Results for sample 3 : C

RNA Area:	244.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	795 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



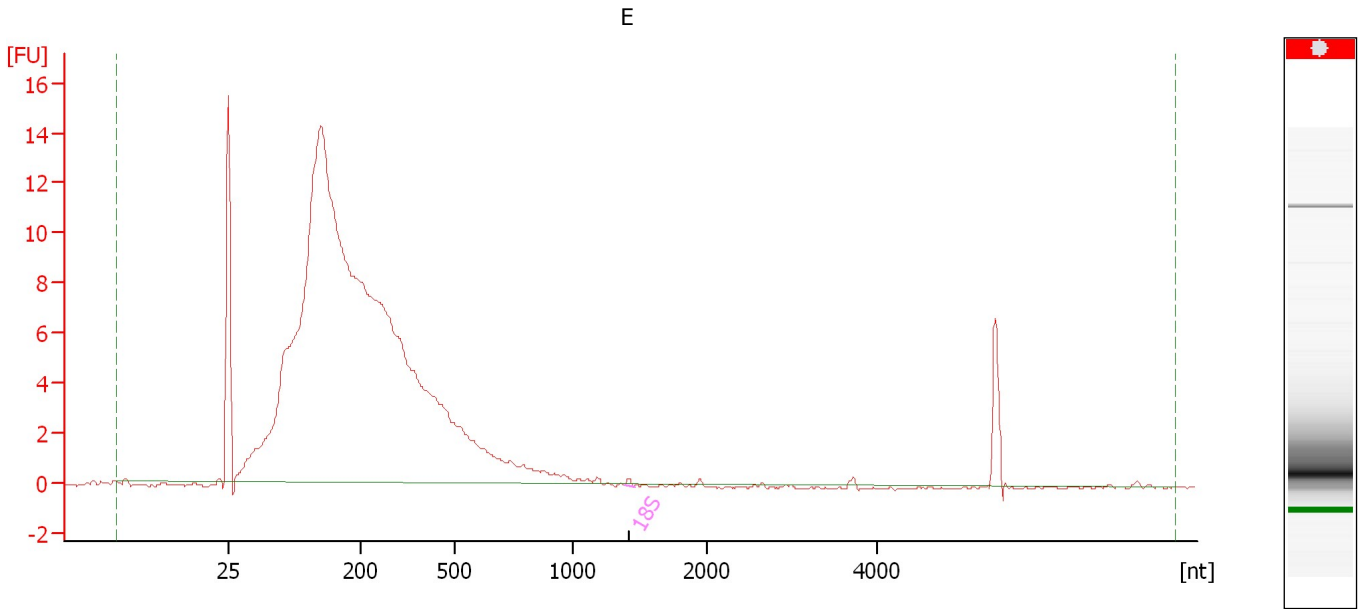
Overall Results for sample 4 : D

RNA Area:	250.4	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	813 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : E

RNA Area:	215.8	RNA Integrity Number (RIN):	N/A (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	701 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

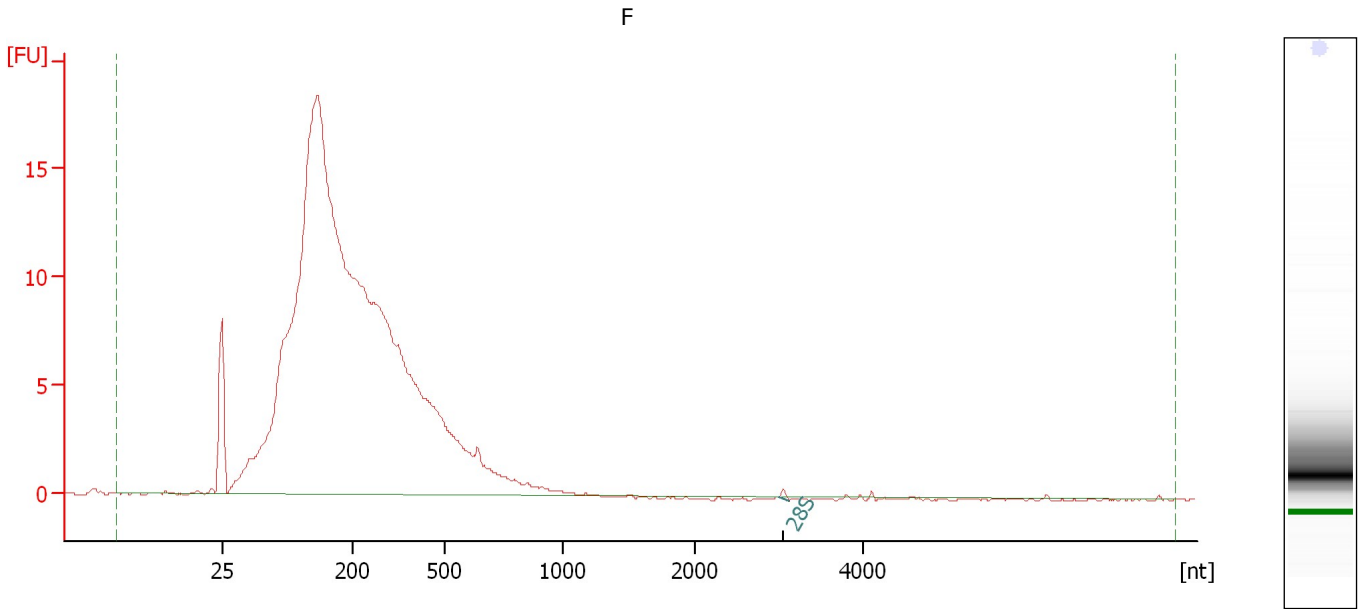
Fragment table for sample 5 : E

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,390	1,453	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : F

RNA Area:	270.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	880 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

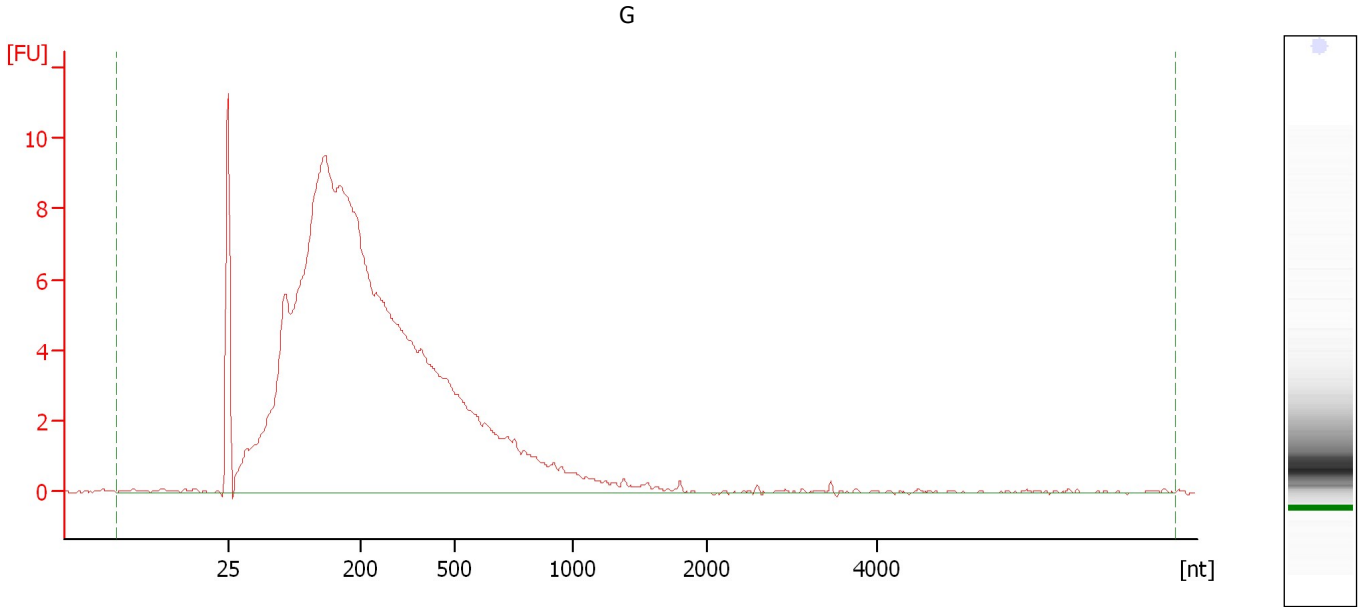
Fragment table for sample 6 : F

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,988	3,115	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



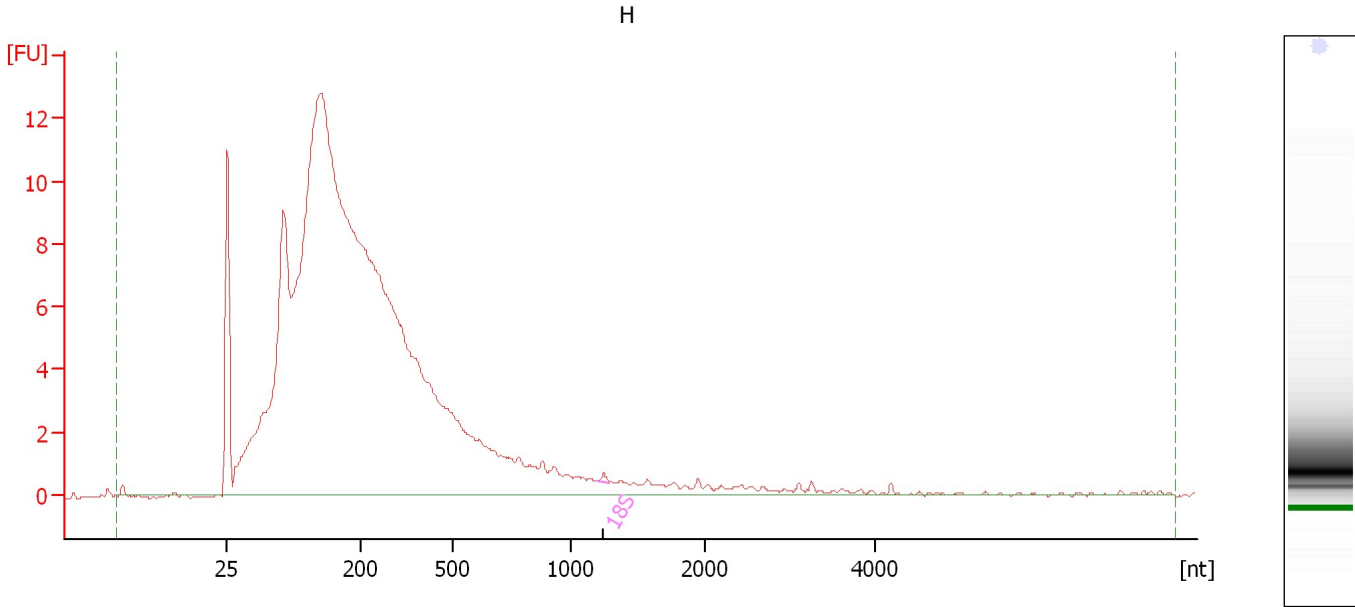
Overall Results for sample 7 : G

RNA Area:	197.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	640 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H

RNA Area:	237.1	RNA Integrity Number (RIN):	2.5 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	770 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

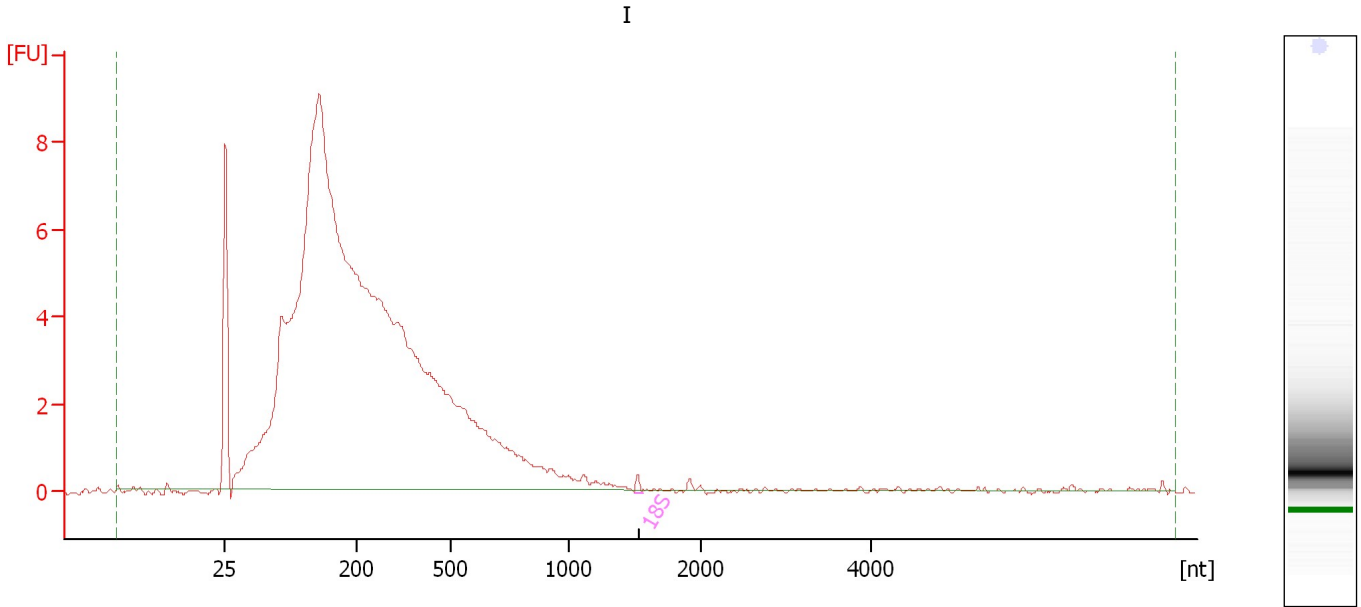
Fragment table for sample 8 : H

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,196	1,284	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : I

RNA Area:	146.9	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	477 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

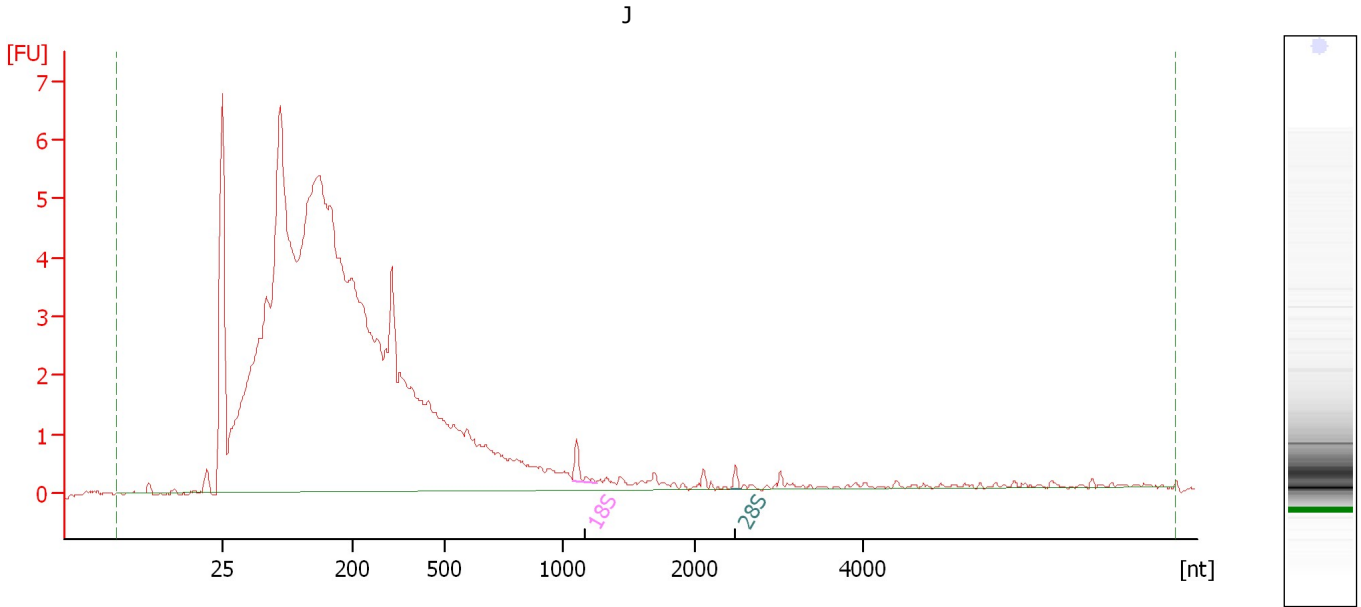
Fragment table for sample 9 : I

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,560	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : J

RNA Area: 120.4 RNA Integrity Number (RIN): 2.6 (B.02.08)
RNA Concentration: 391 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.60

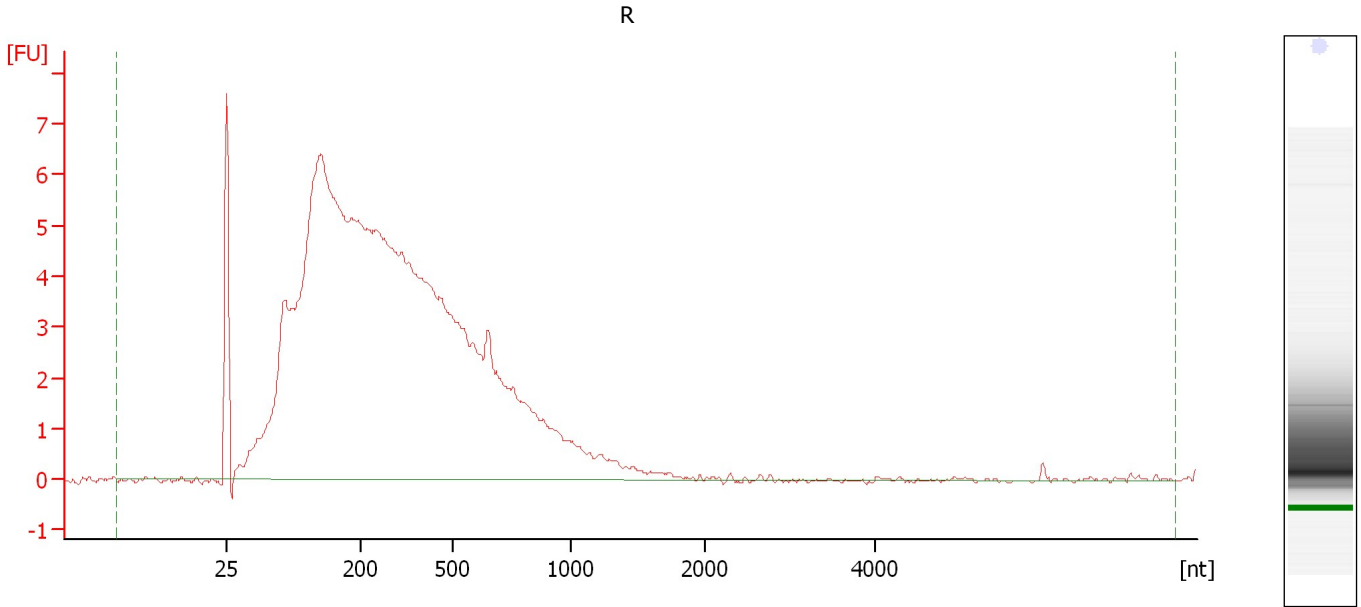
Fragment table for sample 10 : J

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,071	1,257	0.5	0.4
28S	2,417	2,544	0.2	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : R

RNA Area:	157.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	512 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-09\2014-01-09_002.xad

Created: 1/9/2014 10:00:06 AM
Modified: 1/9/2014 10:23:34 AM

Gel Image

