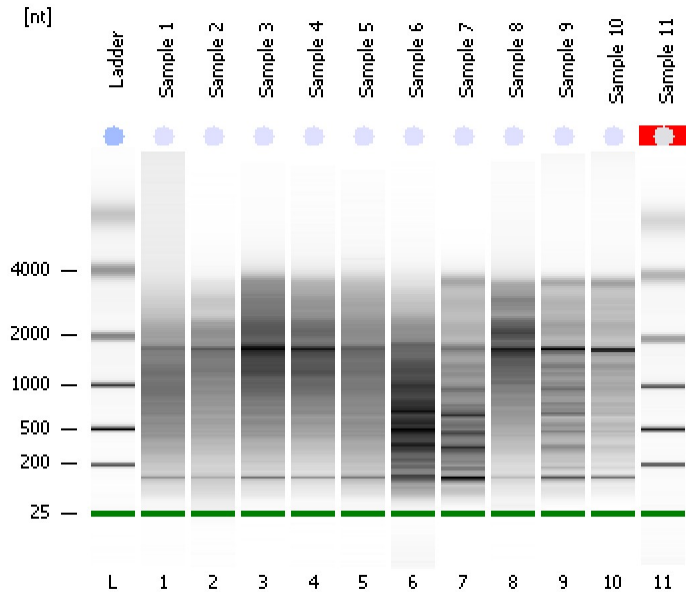


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
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Electrophoresis File Run Summary



Instrument Information:

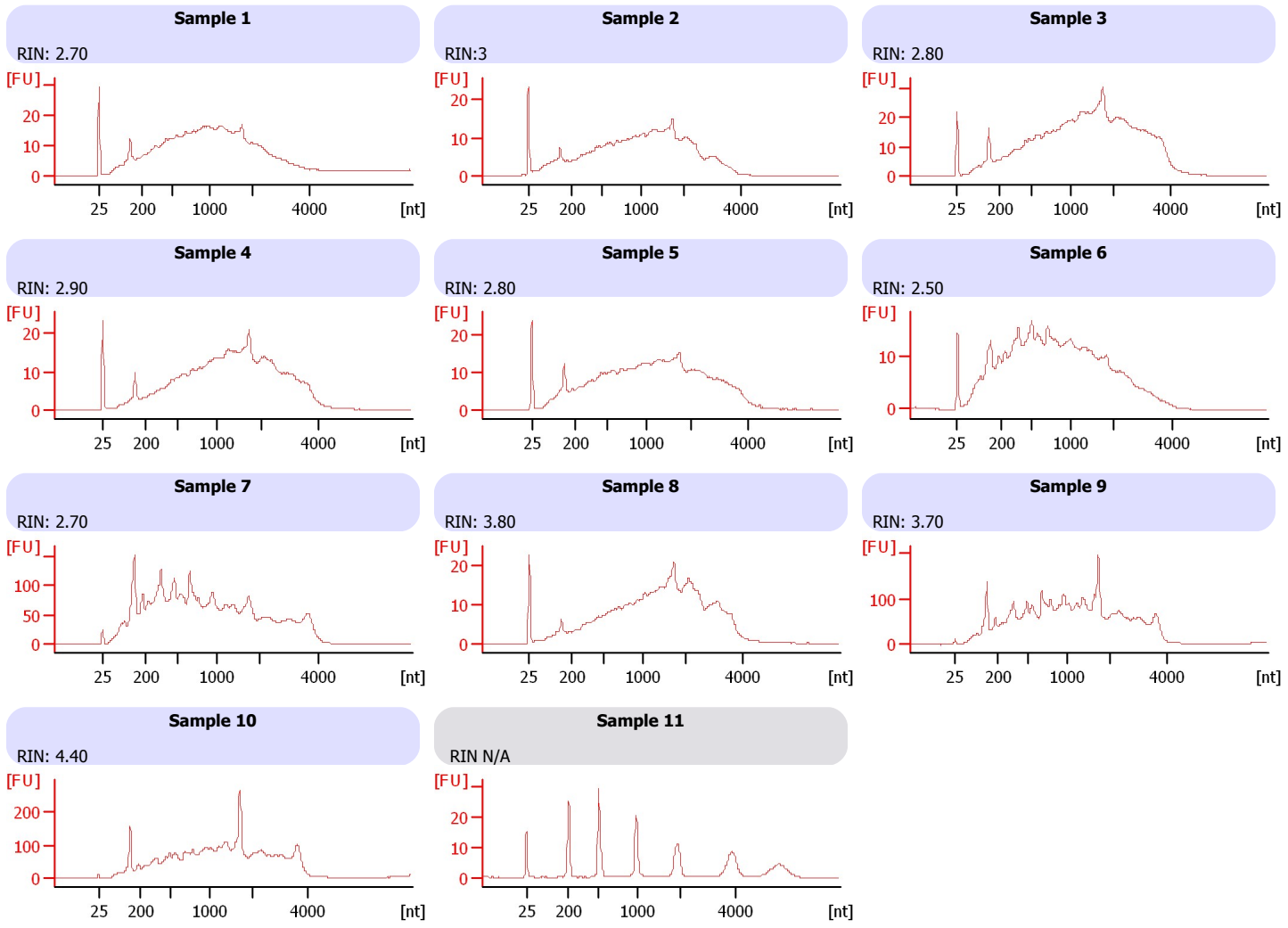
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
 Modified: 6/23/2015 1:47:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 2.70	
Sample 2		✓	RIN:3	
Sample 3		✓	RIN: 2.80	
Sample 4		✓	RIN: 2.90	
Sample 5		✓	RIN: 2.80	
Sample 6		✓	RIN: 2.50	
Sample 7		✓	RIN: 2.70	
Sample 8		✓	RIN: 3.80	
Sample 9		✓	RIN: 3.70	
Sample 10		✓	RIN: 4.40	
Sample 11		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
Modified: 6/23/2015 1:47:27 PM

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

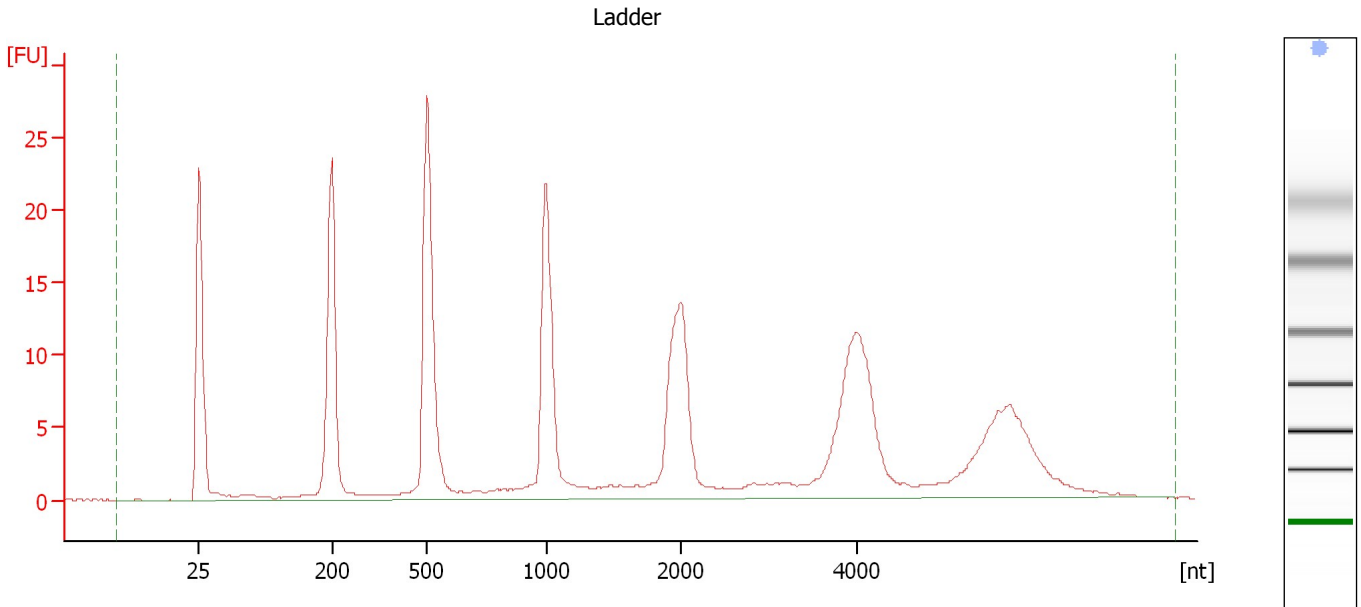
Ladder

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\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary



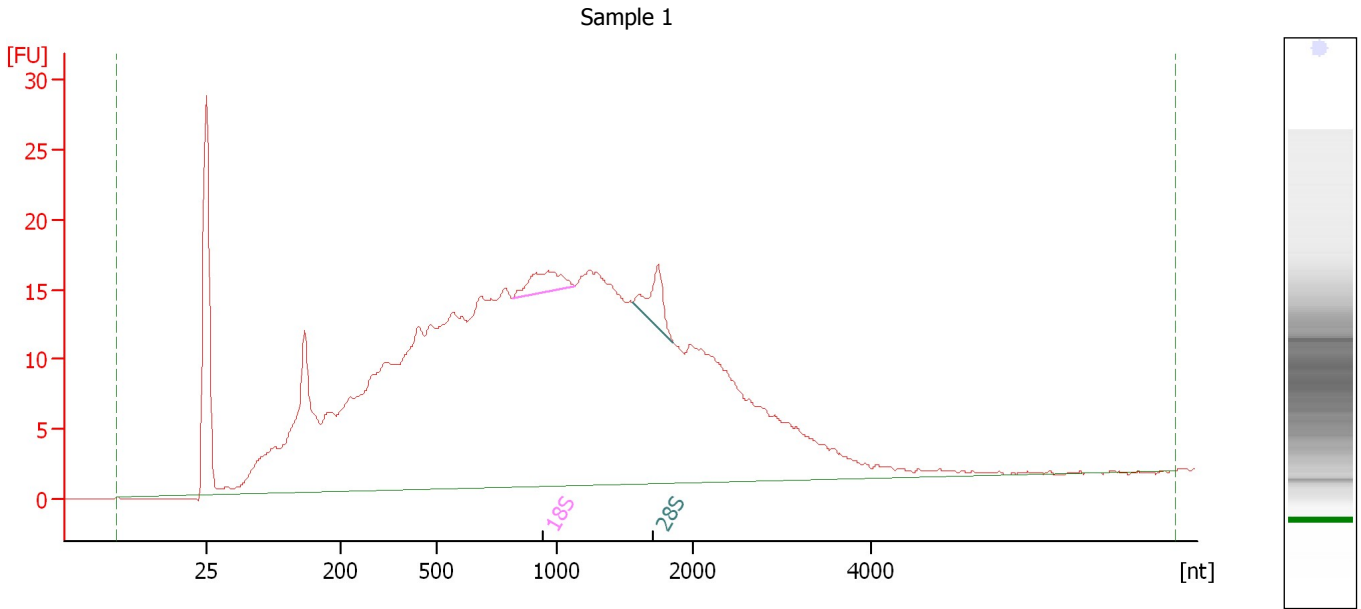
Overall Results for Ladder

RNA Area:	249.1	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\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area: 694.0 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 2,786 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 2.70

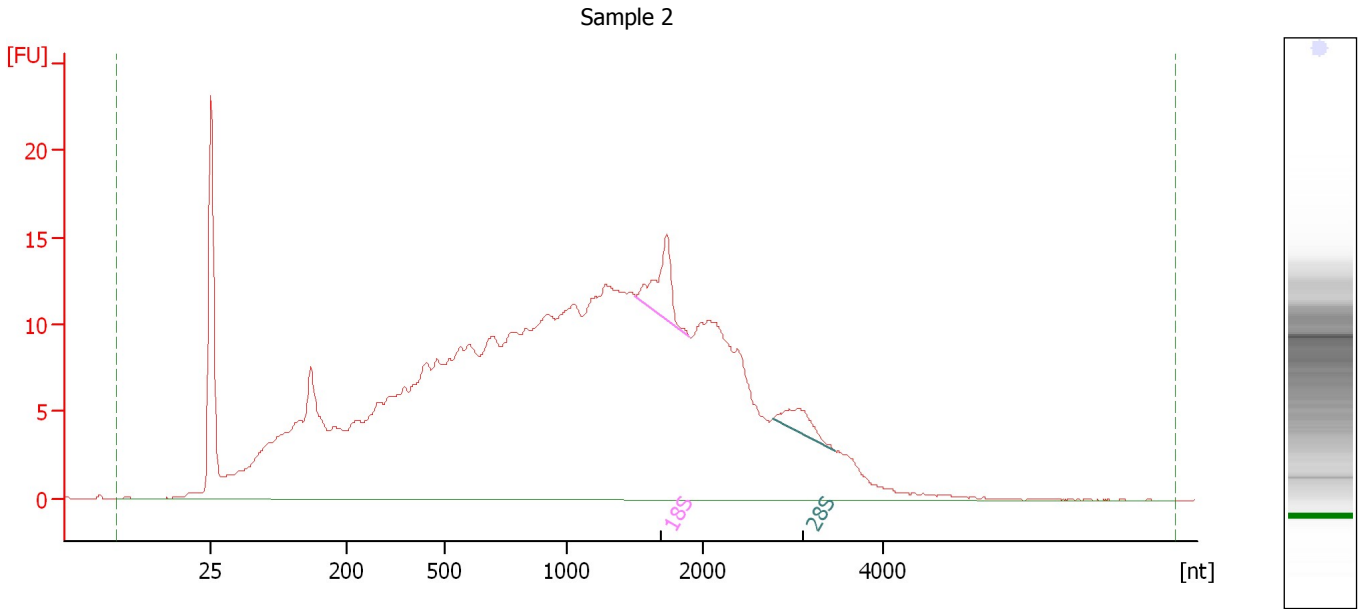
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	814	1,132	6.8	1.0
28S	1,551	1,859	7.2	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area: 554.2 RNA Integrity Number (RIN): 3 (B.02.08)
RNA Concentration: 2,225 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN:3

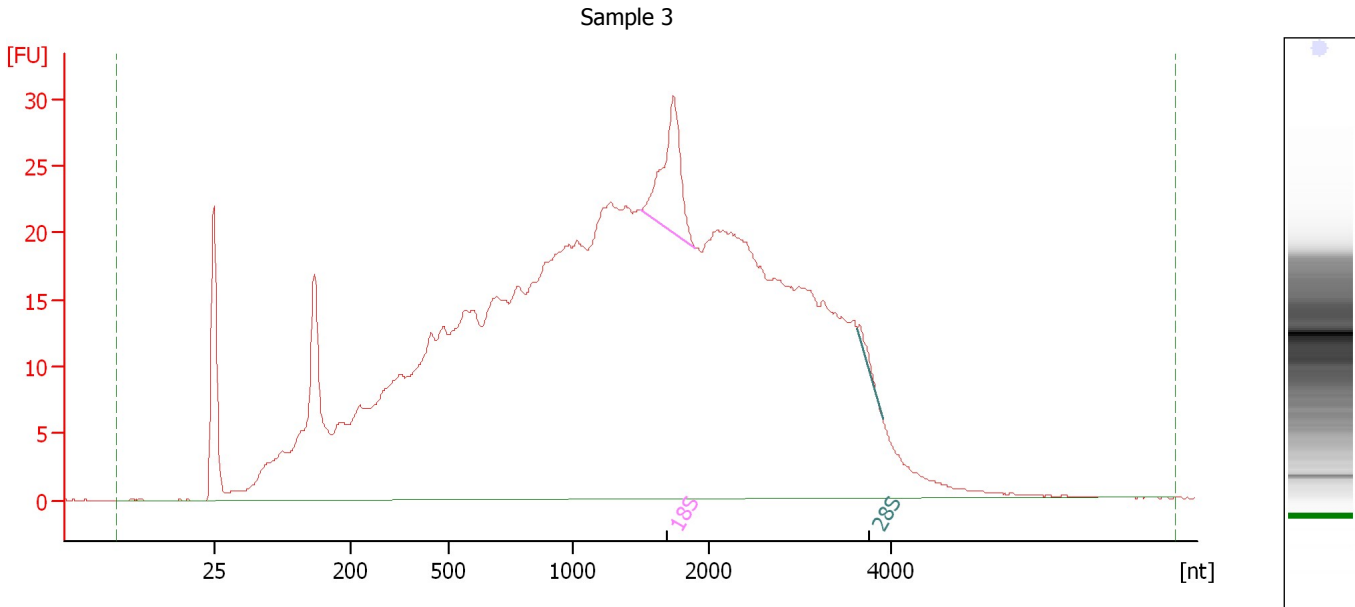
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,901	8.6	1.5
28S	2,762	3,461	4.2	0.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	1,029.6	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	4,133 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.80

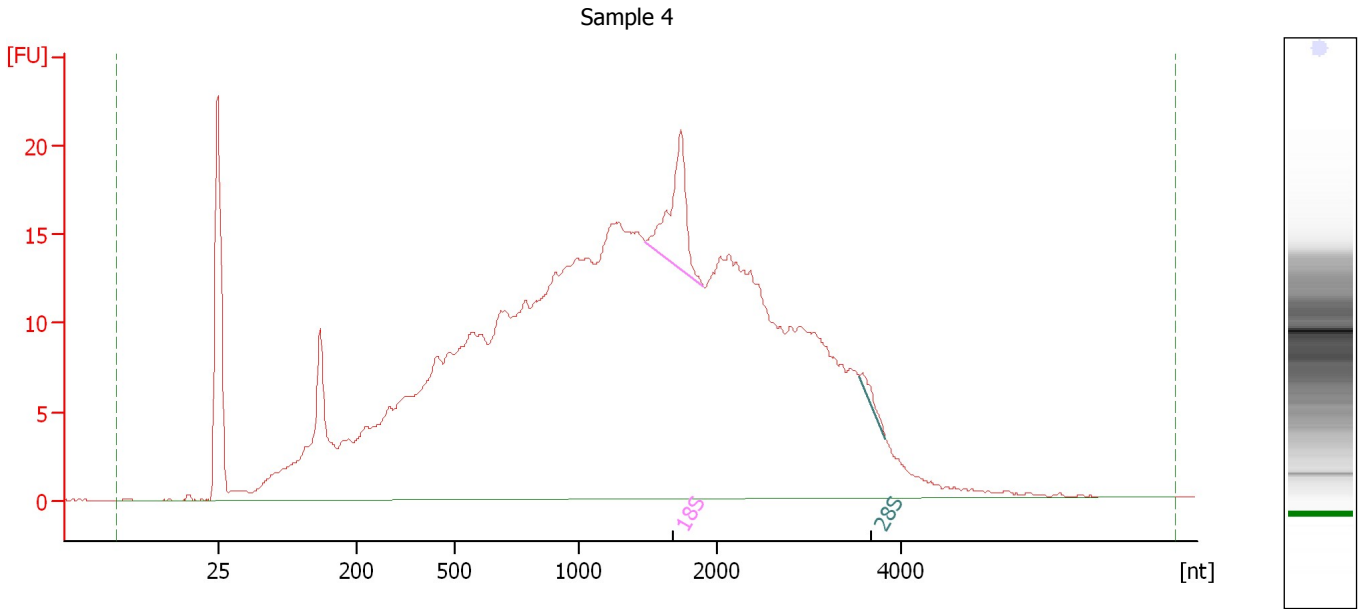
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	1,895	20.9	2.0
28S	3,630	3,900	1.3	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
 Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	665.5	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	2,672 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.90

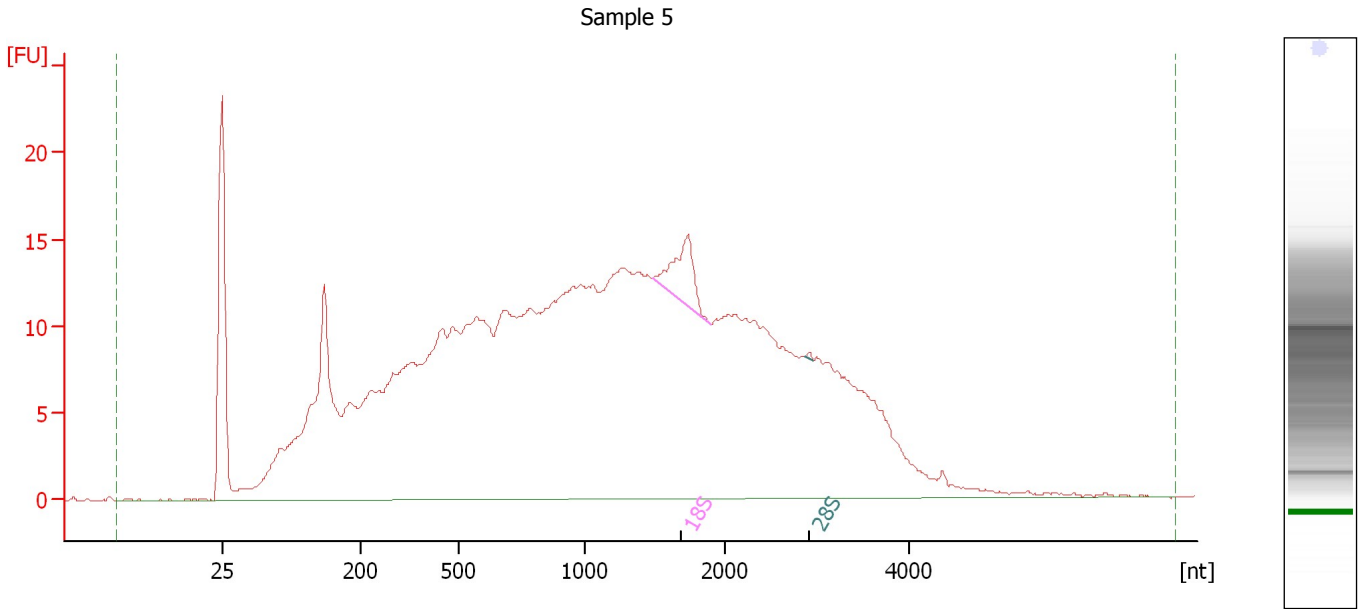
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,473	1,897	14.0	2.1
28S	3,548	3,828	1.1	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area: 666.5 RNA Integrity Number (RIN): 2.8 (B.02.08)
RNA Concentration: 2,675 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN: 2.80

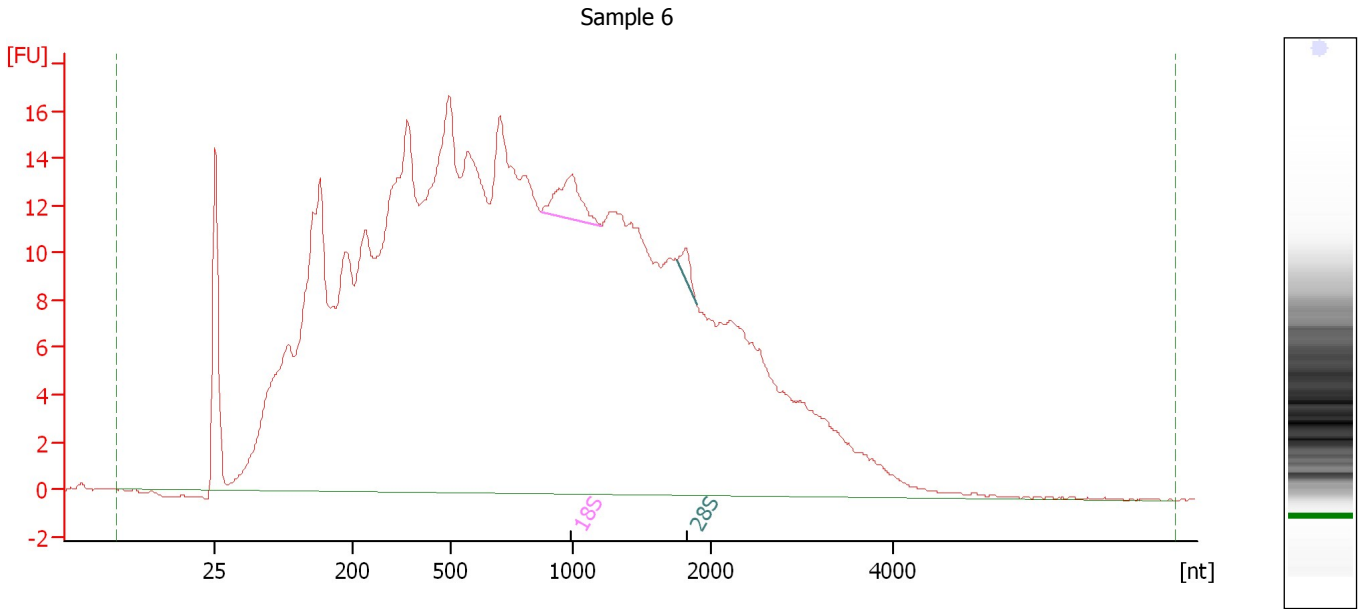
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,485	1,898	9.2	1.4
28S	2,878	2,971	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area: 727.8 RNA Integrity Number (RIN): 2.5 (B.02.08)
RNA Concentration: 2,922 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 2.50

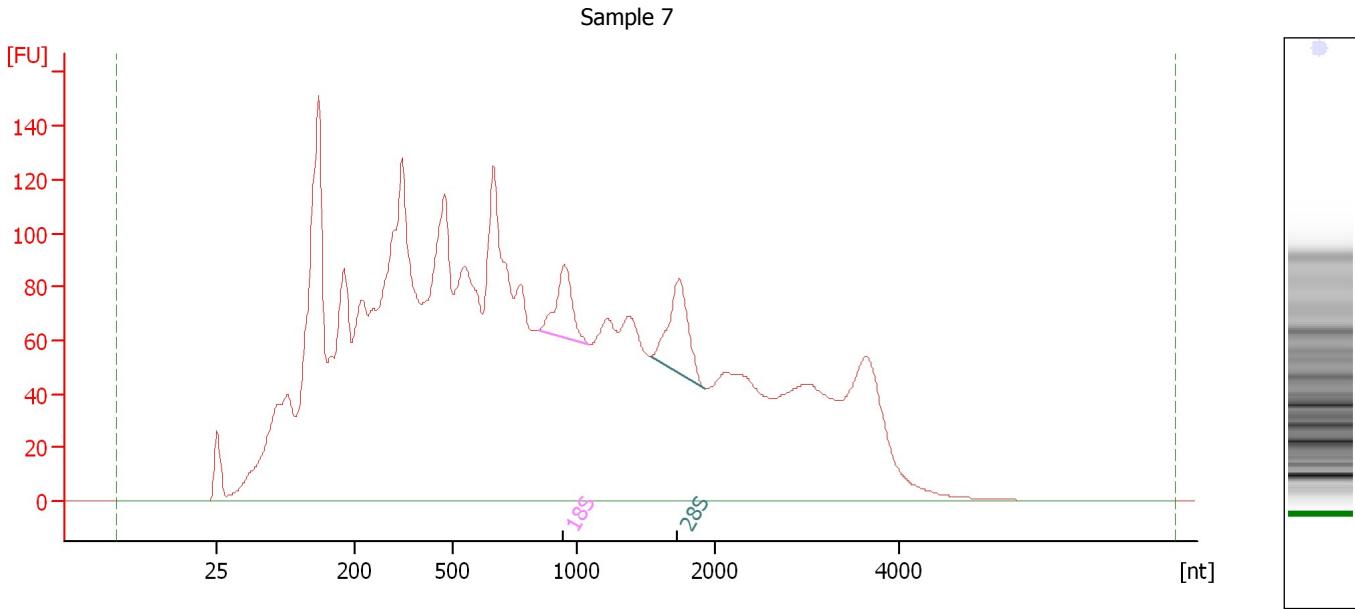
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	864	1,198	5.8	0.8
28S	1,748	1,887	1.5	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
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Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	4,972.7	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	19,960 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 2.70

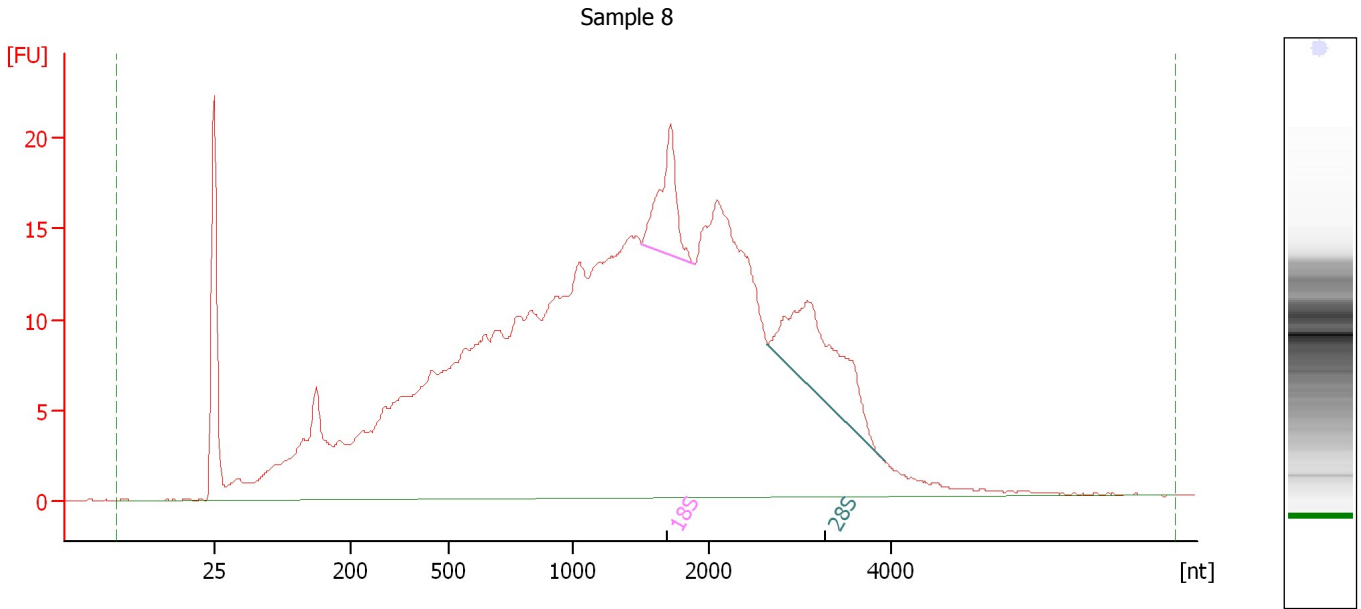
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	841	1,086	58.6	1.2
28S	1,533	1,927	79.6	1.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	641.8	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	2,576 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 3.80

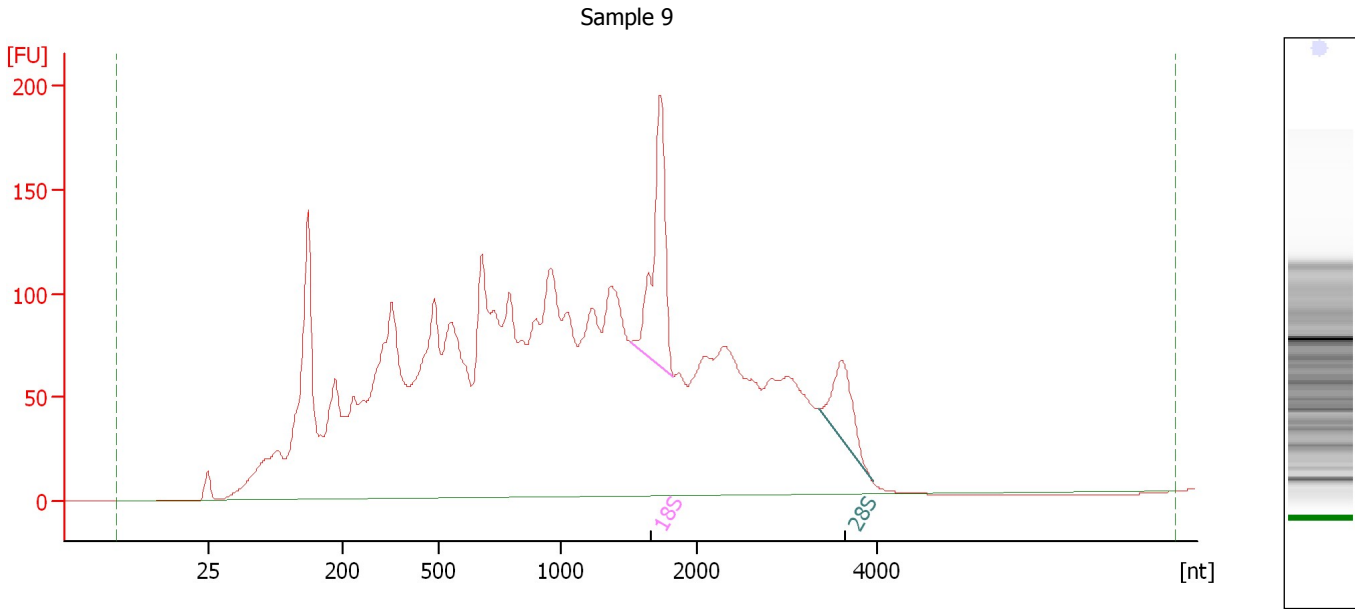
Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,506	1,887	14.0	2.2
28S	2,641	3,924	27.0	4.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Sample 9

RNA Area:	4,913.0	RNA Integrity Number (RIN):	3.7 (B.02.08)
RNA Concentration:	19,721 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 3.70

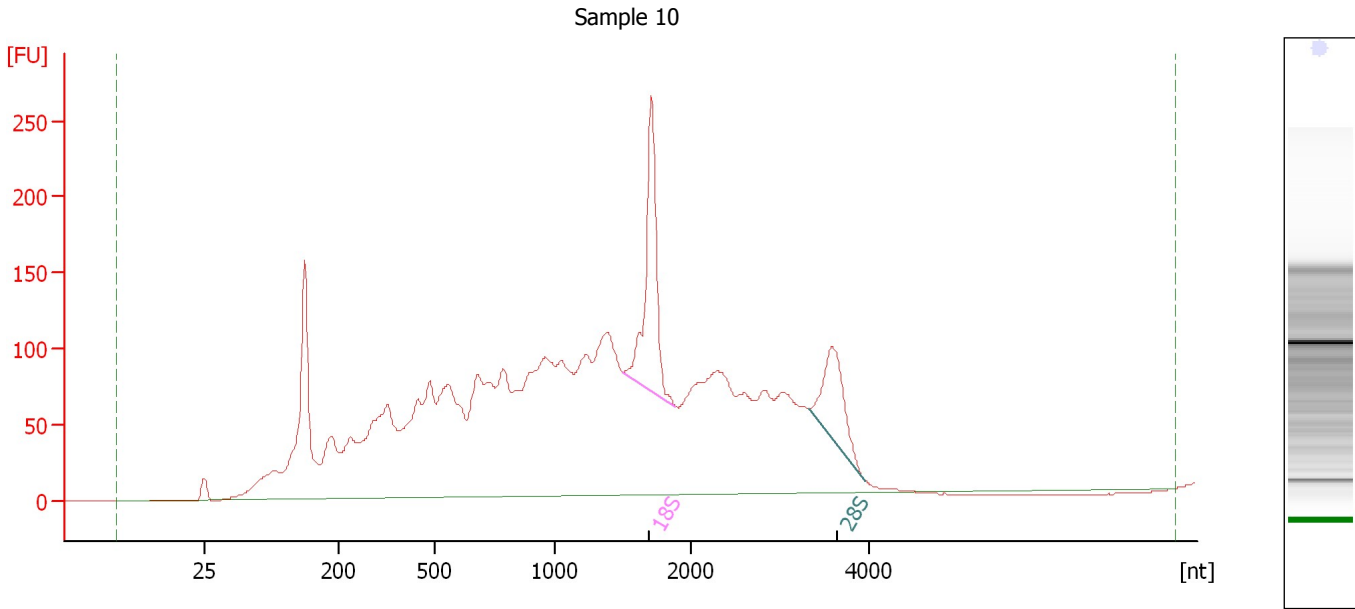
Fragment table for sample 9 : Sample 9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,514	1,829	182.0	3.7
28S	3,362	3,957	77.8	1.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
 Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Sample 10

RNA Area:	4,780.0	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	19,187 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 4.40

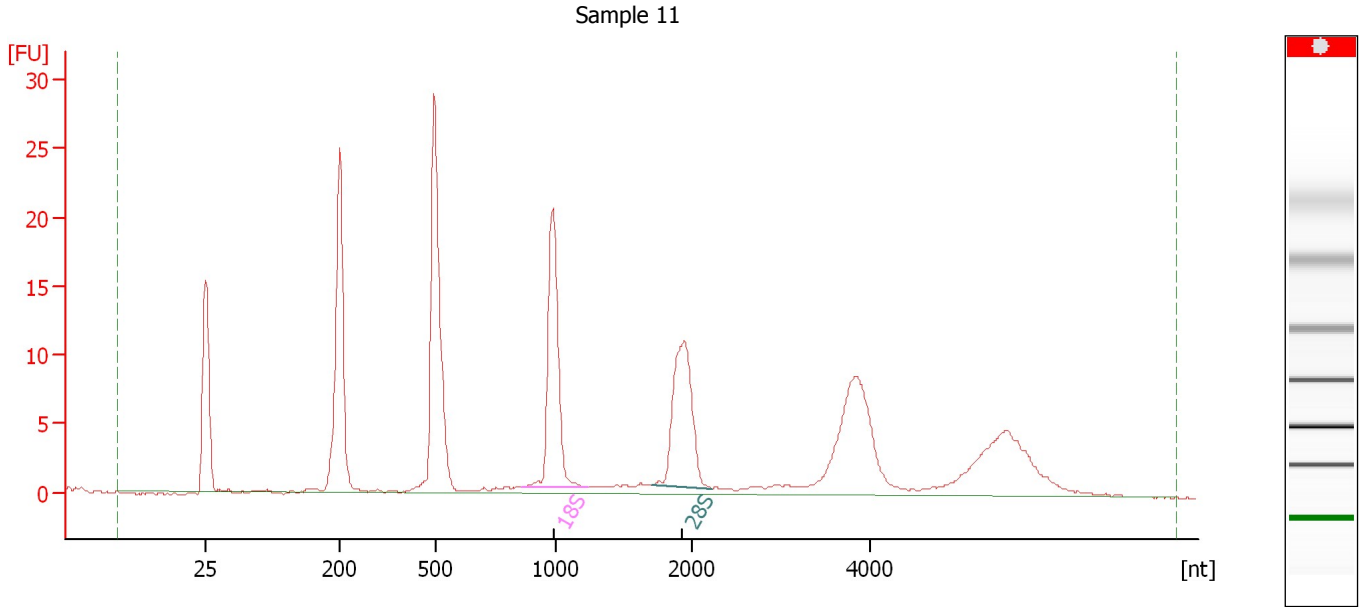
Fragment table for sample 10 : Sample 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,890	256.0	5.4
28S	3,333	3,957	125.9	2.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
 Modified: 6/23/2015 1:47:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Sample 11

RNA Area:	203.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	816 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN N/A

Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	856	1,225	27.6	13.6
28S	1,708	2,218	23.5	11.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-23\2015-06-23_003.xad

Created: 6/23/2015 1:24:33 PM
Modified: 6/23/2015 1:47:27 PM

Gel Image

