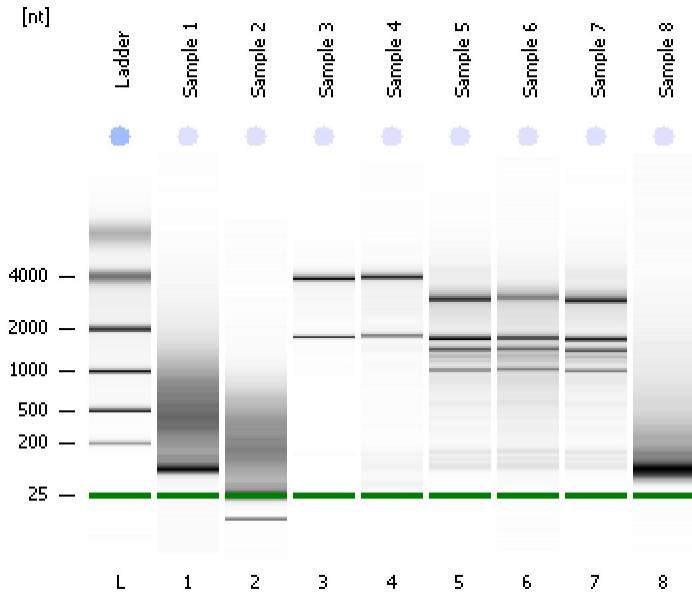


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
Modified: 9/5/2013 5:50:04 PM

Electrophoresis File Run Summary



Instrument Information:

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

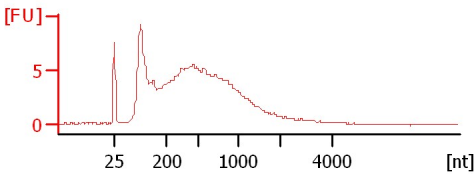
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

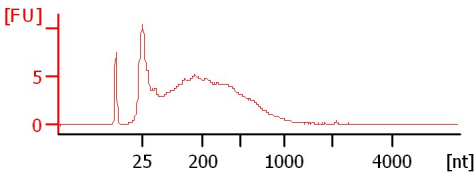
Chip Information:

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

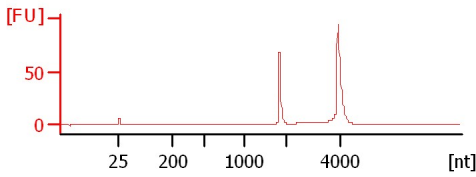
Sample 1
RIN:2



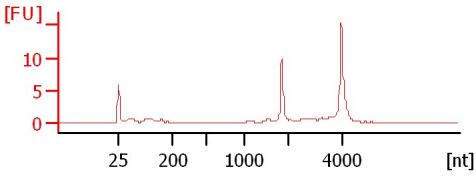
Sample 2
RIN: 2.50



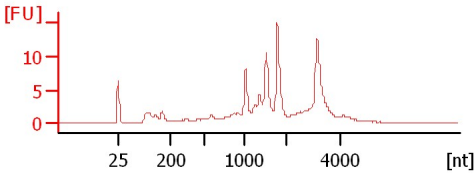
Sample 3
RIN:10



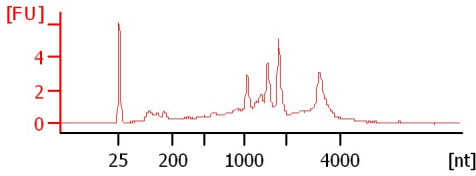
Sample 4
RIN: 9.30



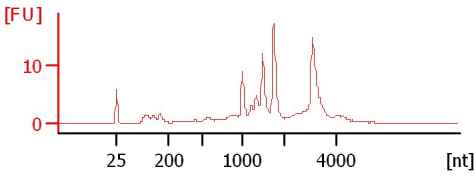
Sample 5
RIN: 6.60



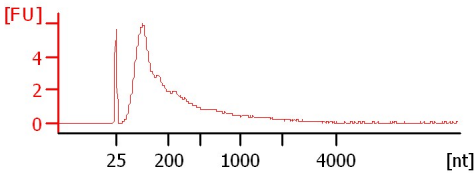
Sample 6
RIN: 6.50



Sample 7
RIN: 6.60



Sample 8
RIN: 2.40



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
 Modified: 9/5/2013 5:50:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN:2	
Sample 2		✓	RIN: 2.50	
Sample 3		✓	RIN:10	
Sample 4		✓	RIN: 9.30	
Sample 5		✓	RIN: 6.60	
Sample 6		✓	RIN: 6.50	
Sample 7		✓	RIN: 6.60	
Sample 8		✓	RIN: 2.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
Modified: 9/5/2013 5:50:04 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
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] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

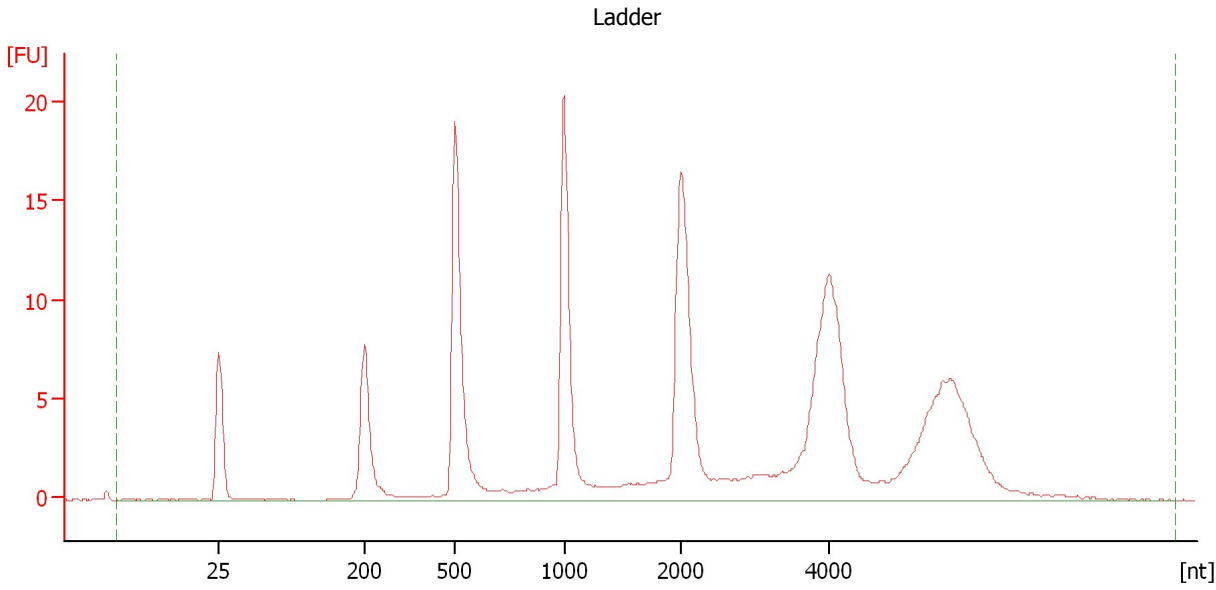
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary



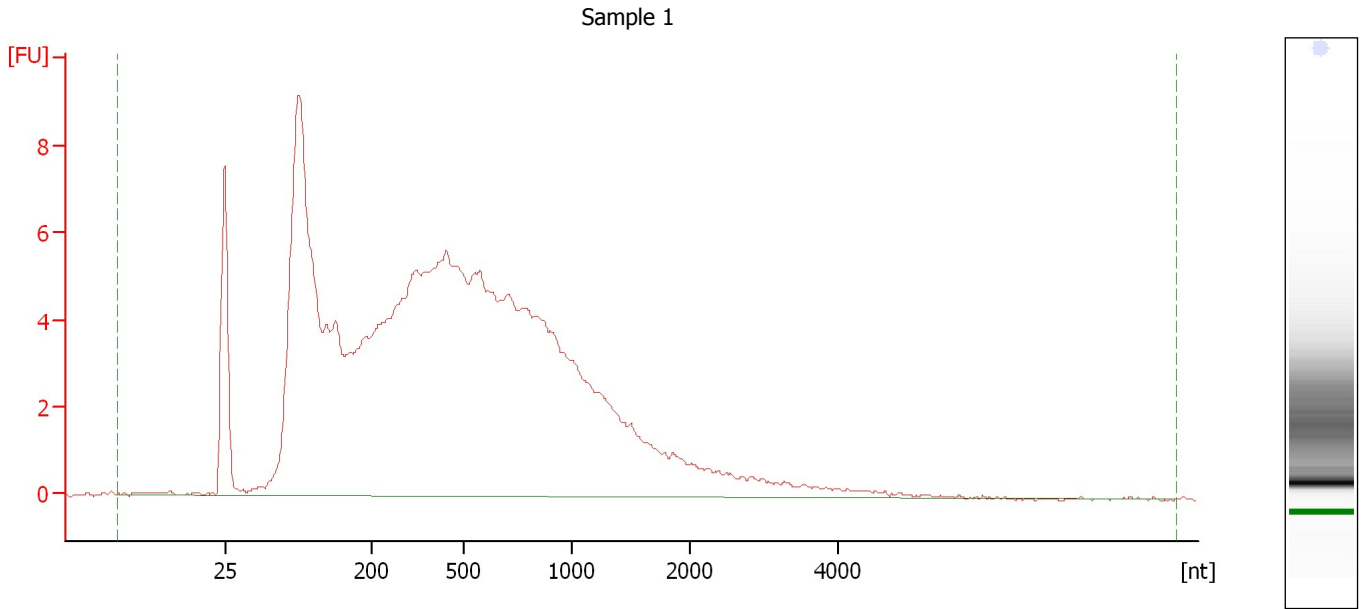
Overall Results for Ladder

RNA Area:	185.4	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



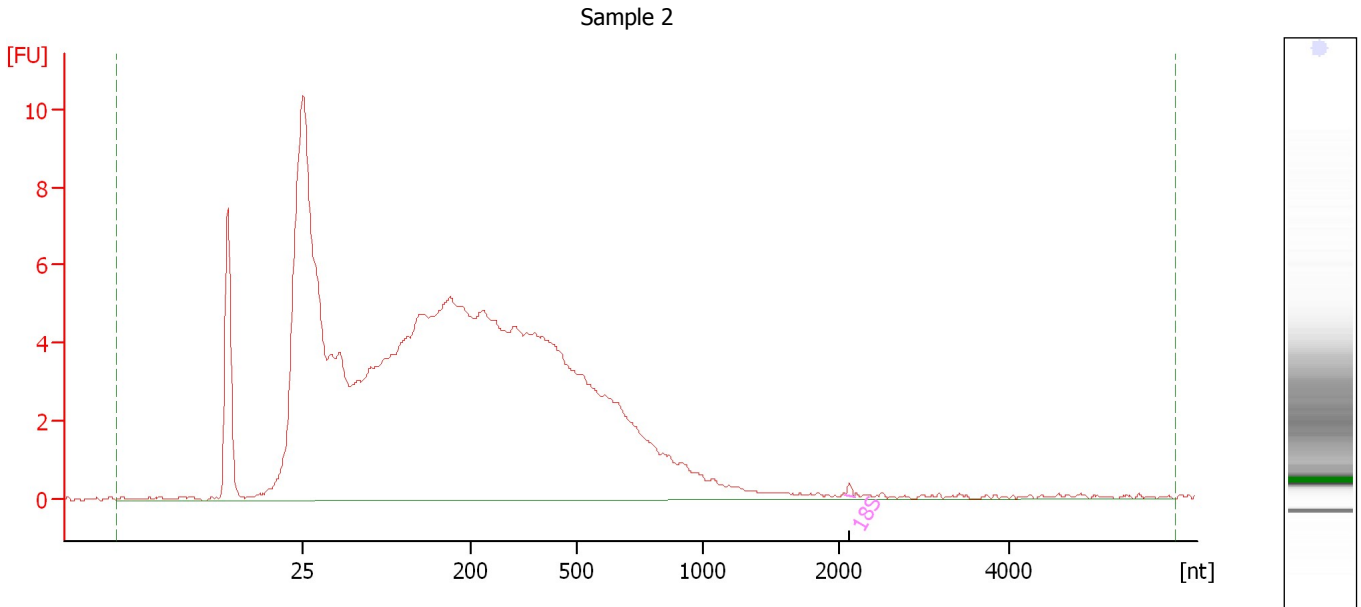
Overall Results for sample 1 : Sample 1

RNA Area:	217.1	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	176 ng/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	181.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	147 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

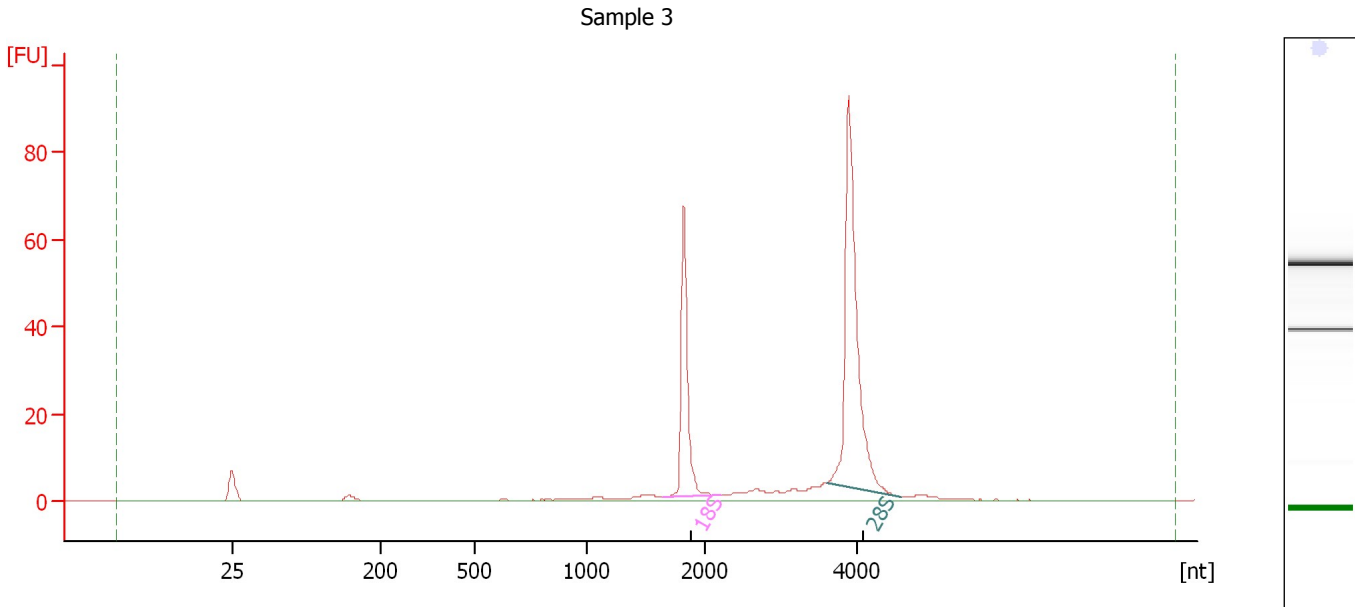
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,083	2,183	0.1	0.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
 Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	216.5	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	175 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN:10

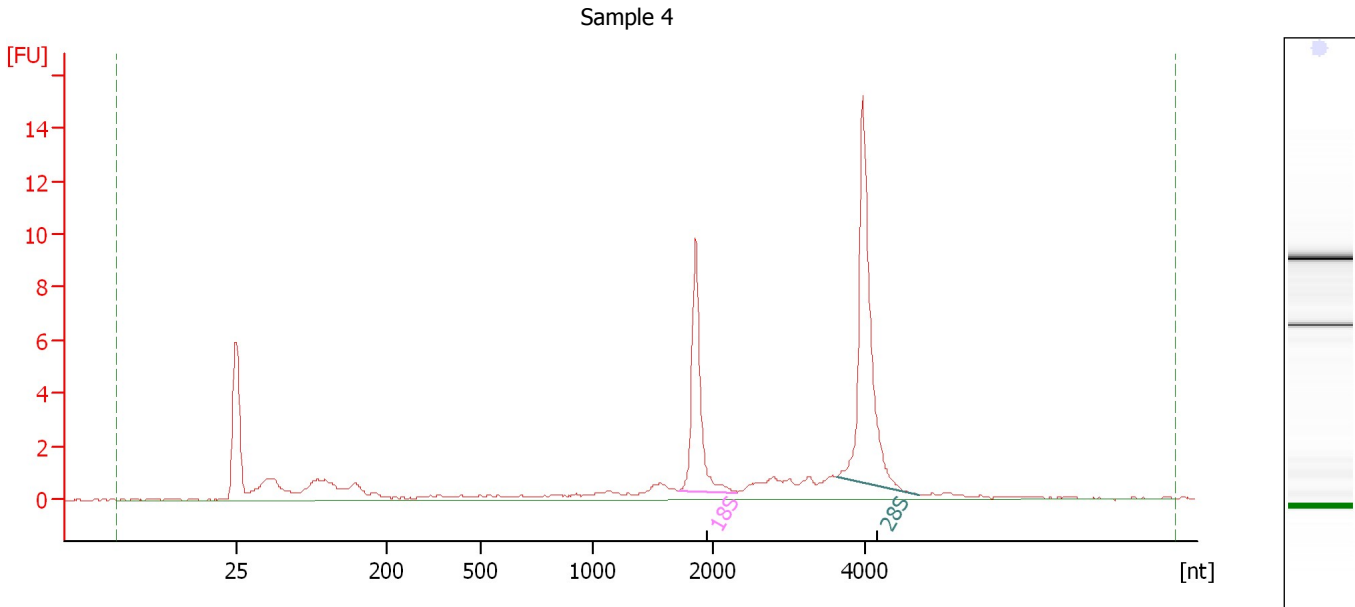
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,635	2,216	52.2	24.1
28S	3,617	4,578	100.2	46.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
 Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	55.2	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	45 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.30

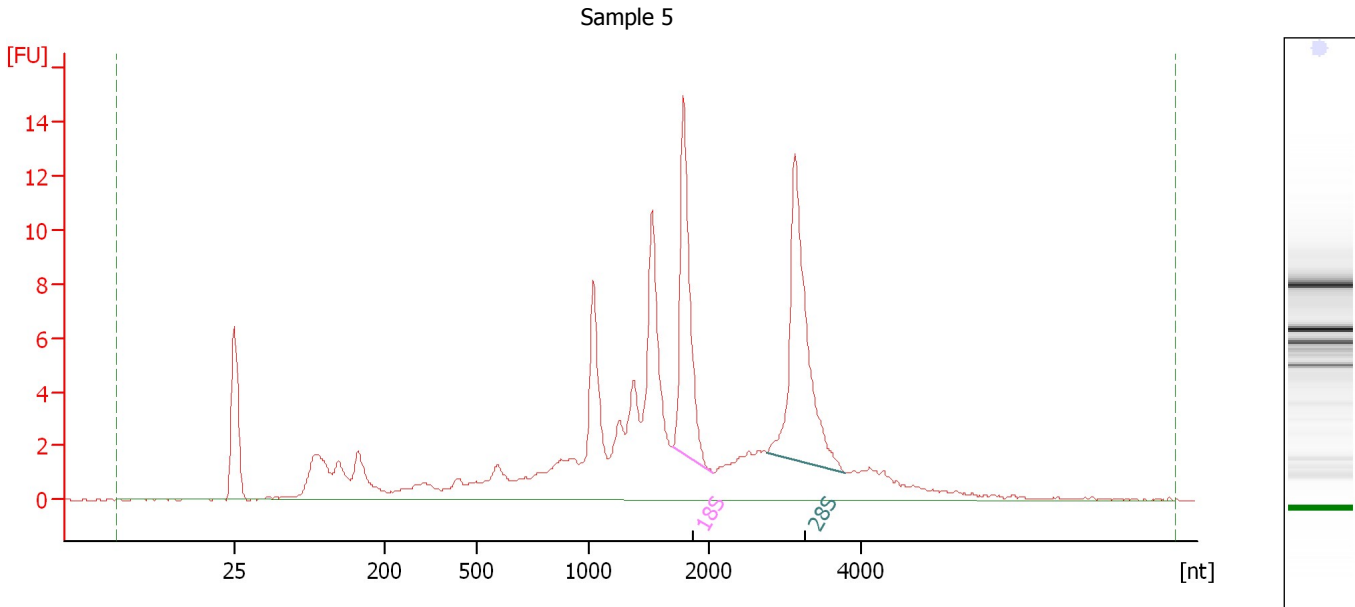
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,713	2,319	9.1	16.5
28S	3,624	4,704	15.9	28.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
 Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	139.3	RNA Integrity Number (RIN):	6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	113 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.60

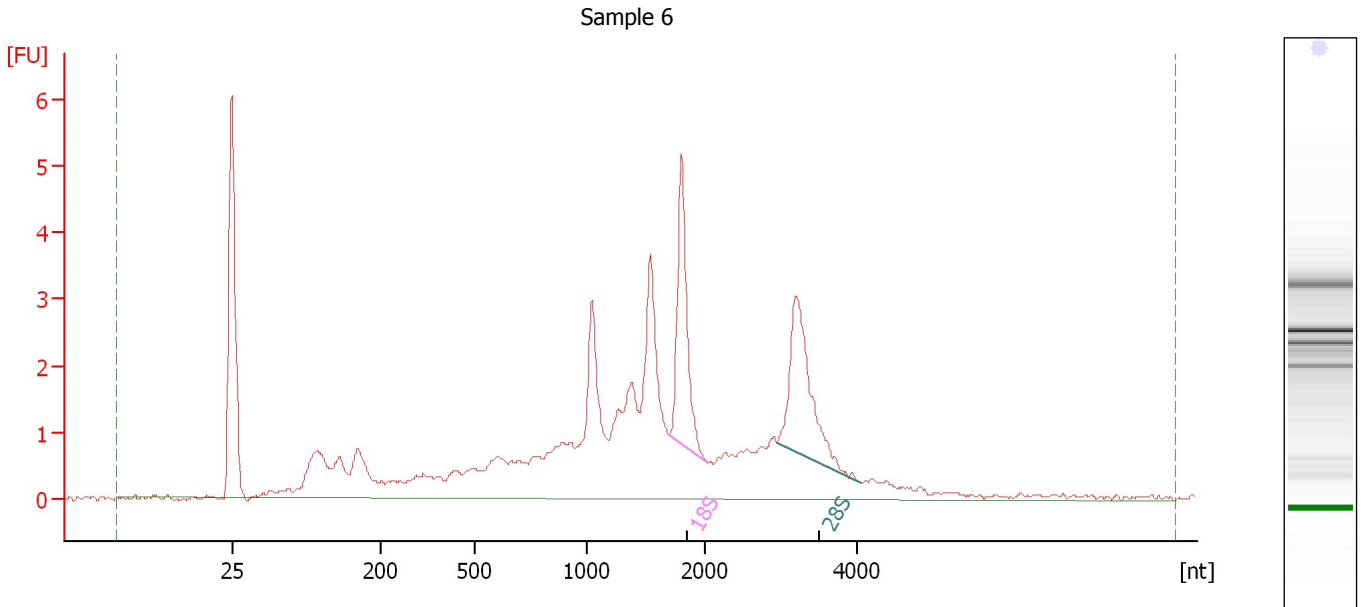
Fragment table for sample 5 : Sample 5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	2,050	15.1	10.9
28S	2,754	3,782	20.0	14.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
 Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Sample 6

RNA Area:	59.0	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	48 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.50

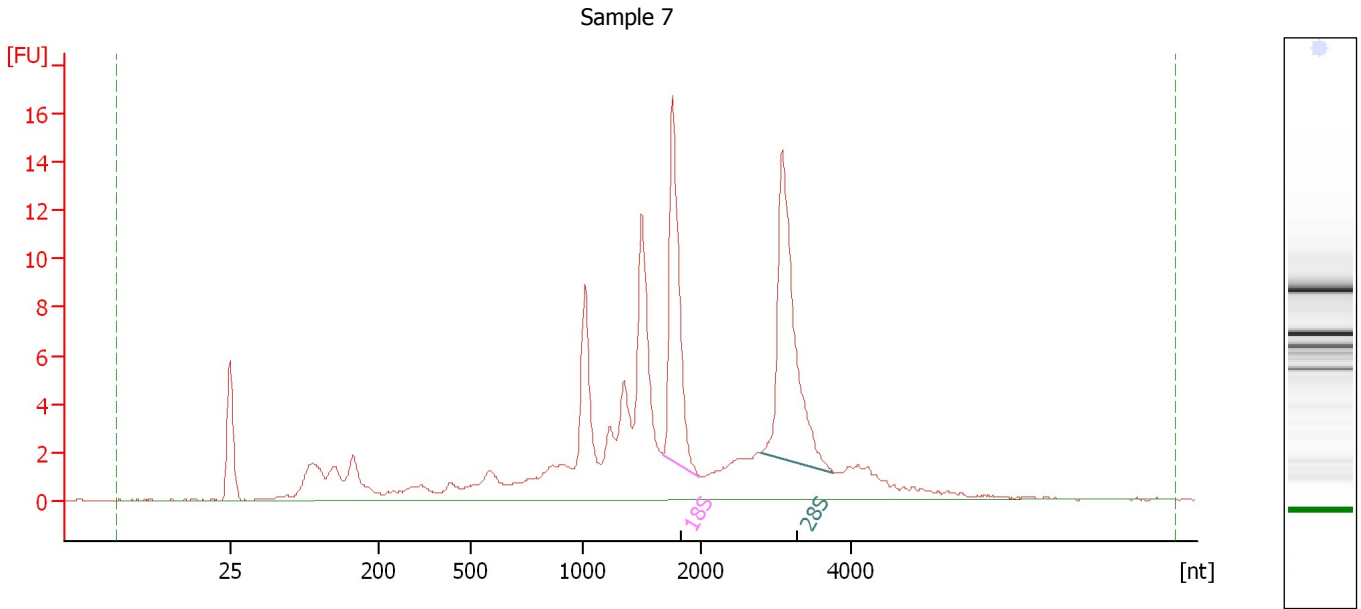
Fragment table for sample 6 : Sample 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,698	2,004	4.8	8.1
28S	2,938	4,055	5.2	8.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
 Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	143.9	RNA Integrity Number (RIN):	6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	116 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 6.60

Fragment table for sample 7 : Sample 7

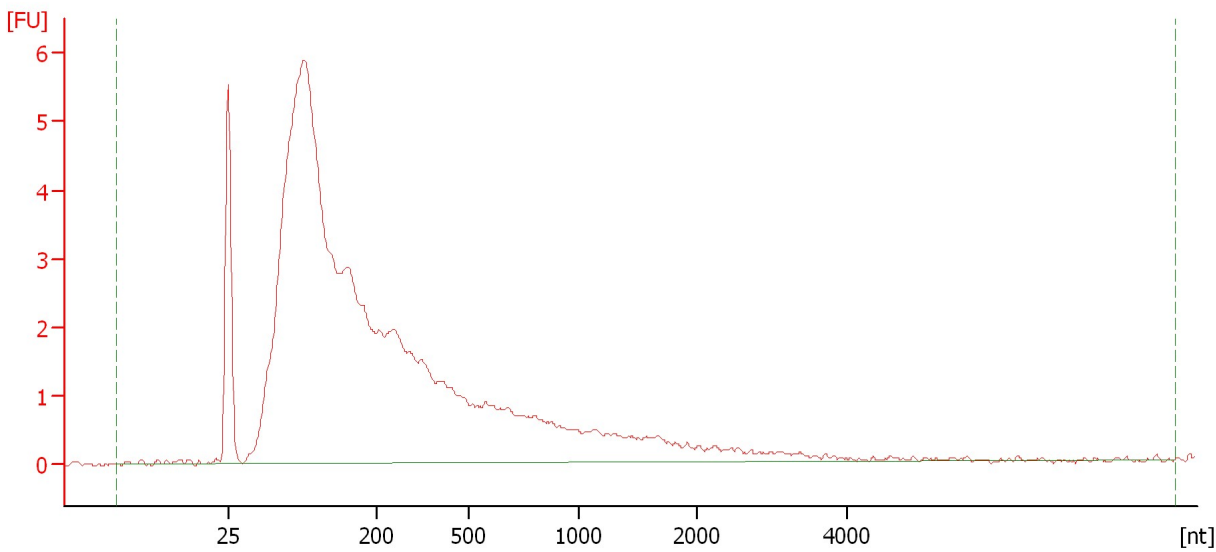
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	1,983	17.0	11.8
28S	2,782	3,762	22.2	15.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Settings\Bioanalyzer\2013-09-05\2013-09-05_006_TotalRNA.xad

Created: 9/5/2013 5:22:53 PM
Modified: 9/5/2013 5:50:04 PM

Electropherogram Summary Continued ...

Sample 8



Overall Results for sample 8 : Sample 8

RNA Area:	98.5	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	80 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40