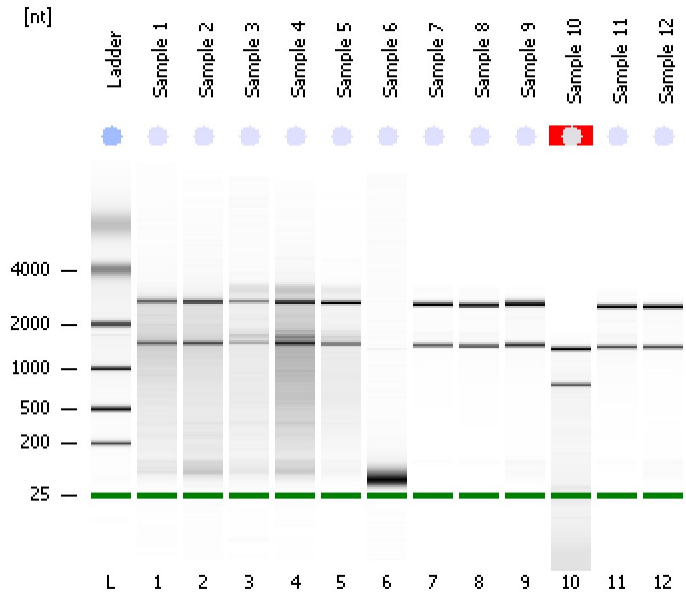


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
Modified: 9/20/2013 3:15:52 PM

Electrophoresis File Run Summary



Instrument Information:

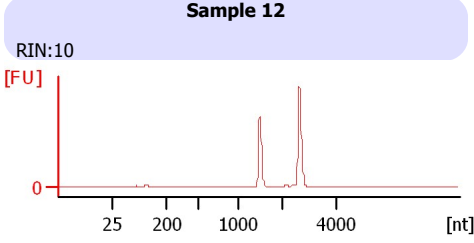
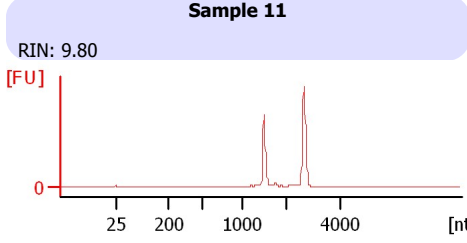
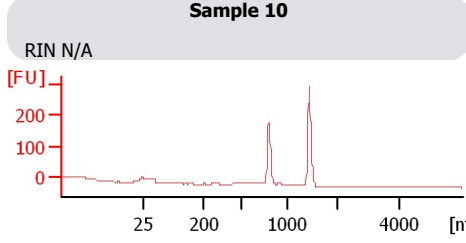
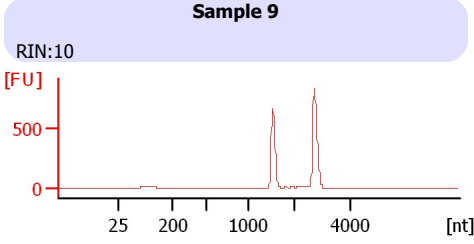
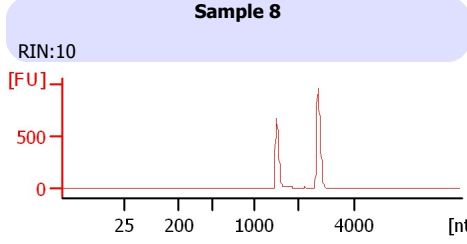
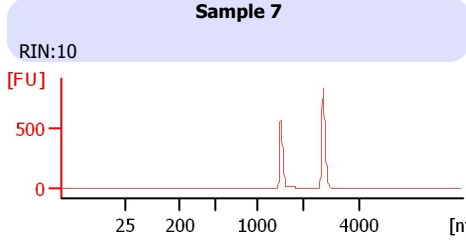
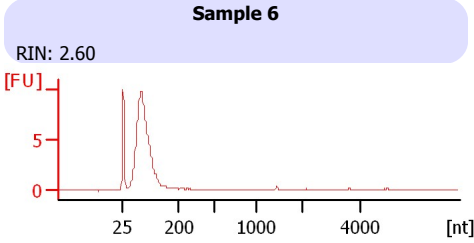
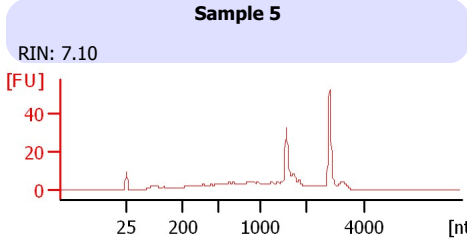
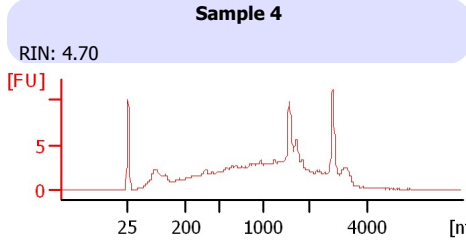
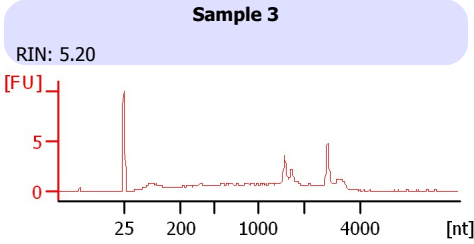
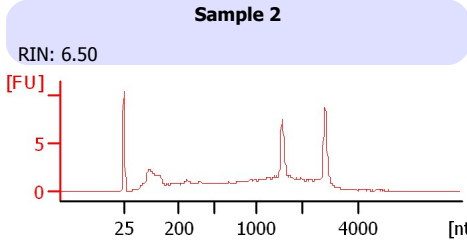
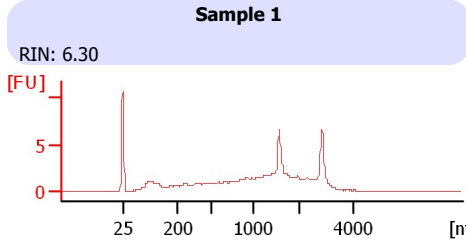
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
Modified: 9/20/2013 3:15:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 6.30	
Sample 2		✓	RIN: 6.50	
Sample 3		✓	RIN: 5.20	
Sample 4		✓	RIN: 4.70	
Sample 5		✓	RIN: 7.10	
Sample 6		✓	RIN: 2.60	
Sample 7		✓	RIN:10	
Sample 8		✓	RIN:10	
Sample 9		✓	RIN:10	
Sample 10		✓	RIN N/A	
Sample 11		✓	RIN: 9.80	
Sample 12		✓	RIN:10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
Modified: 9/20/2013 3:15:52 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/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 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

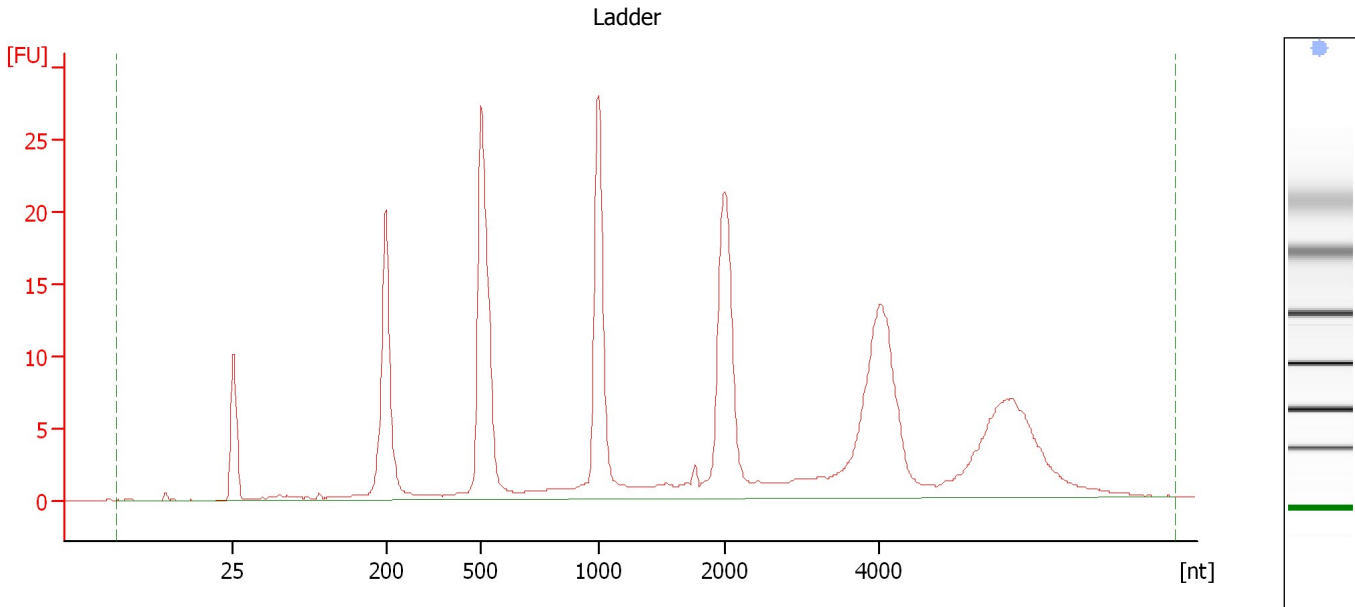
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Electropherogram Summary



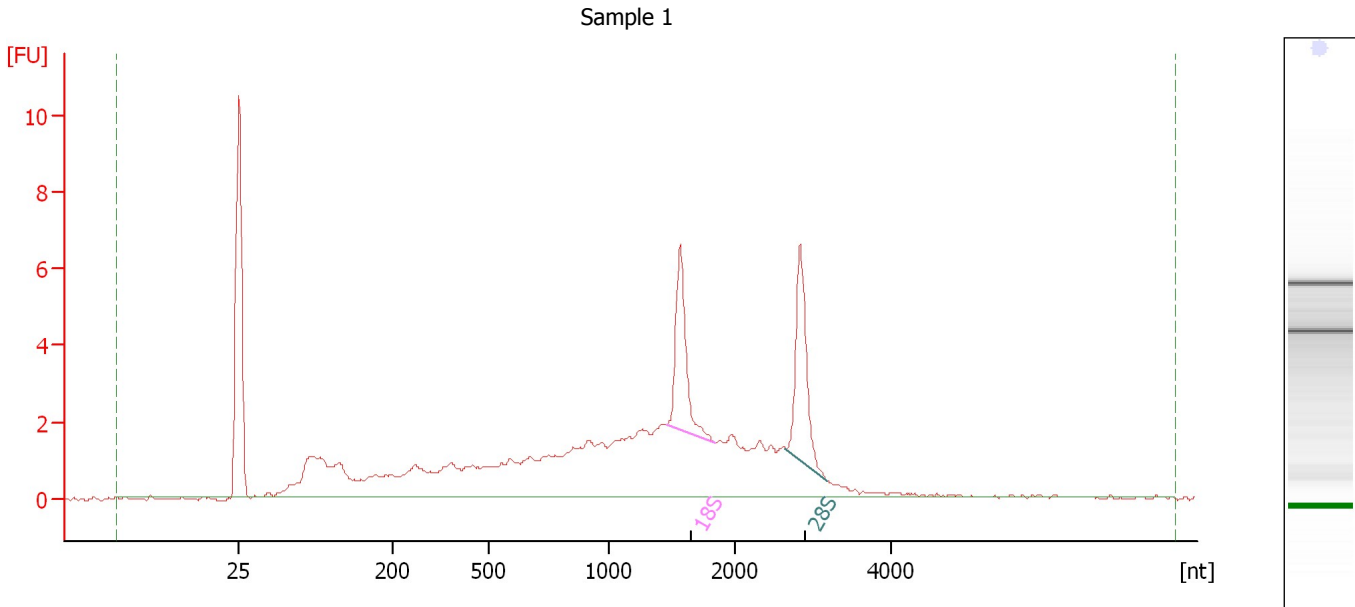
Overall Results for Ladder

RNA Area:	255.0	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Sample 1

RNA Area:	79.6	RNA Integrity Number (RIN):	6.3 (B.02.08)
RNA Concentration:	47 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.30

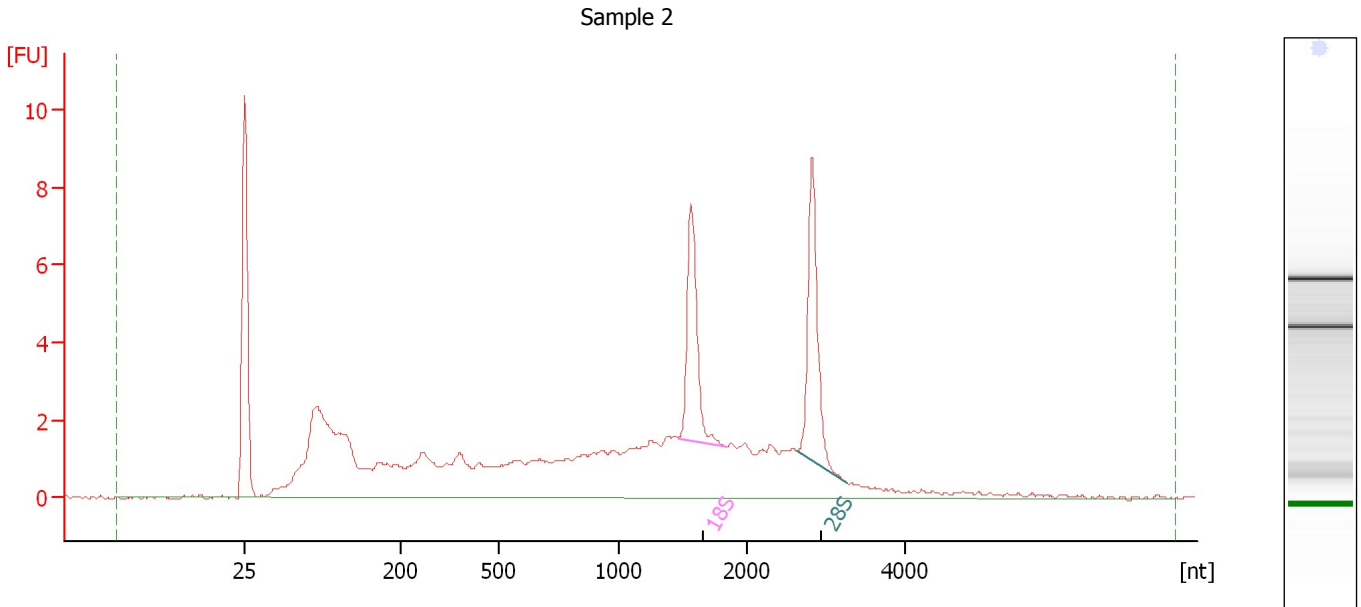
Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,457	1,843	5.7	7.1
28S	2,647	3,166	6.1	7.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : Sample 2

RNA Area:	94.3	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	55 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.50

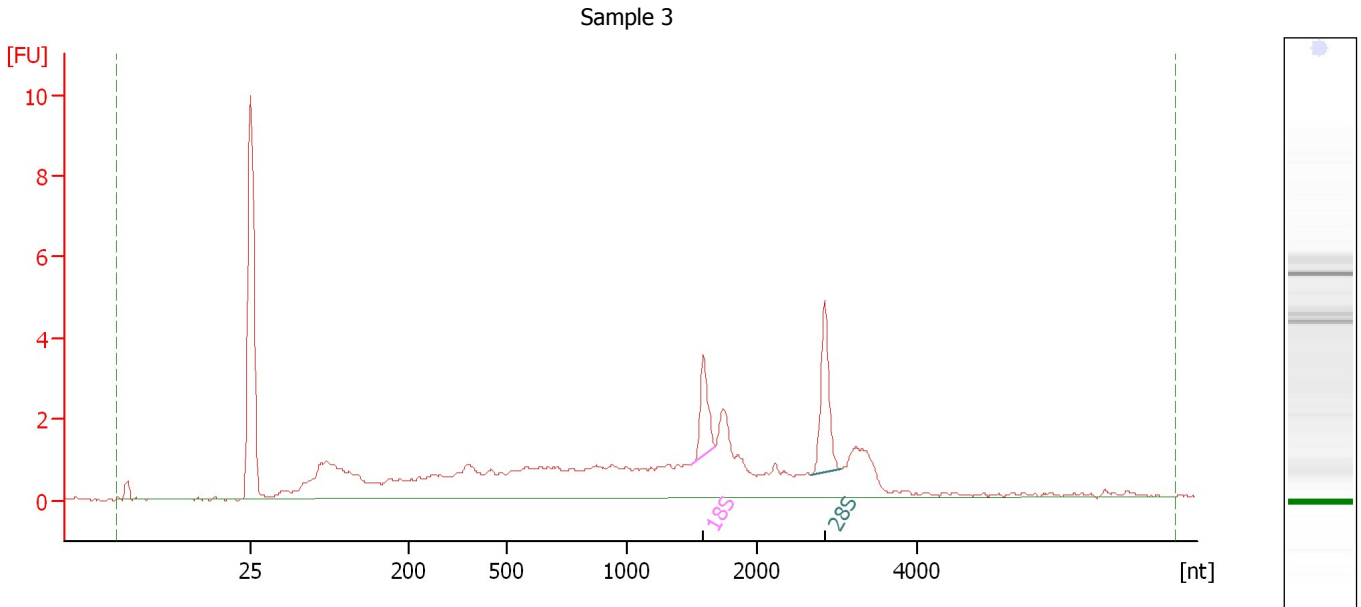
Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,459	1,841	6.8	7.3
28S	2,618	3,266	7.9	8.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Electropherogram Summary Continued ...



Overall Results for sample 3 : Sample 3

RNA Area:	55.2	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	32 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 5.20

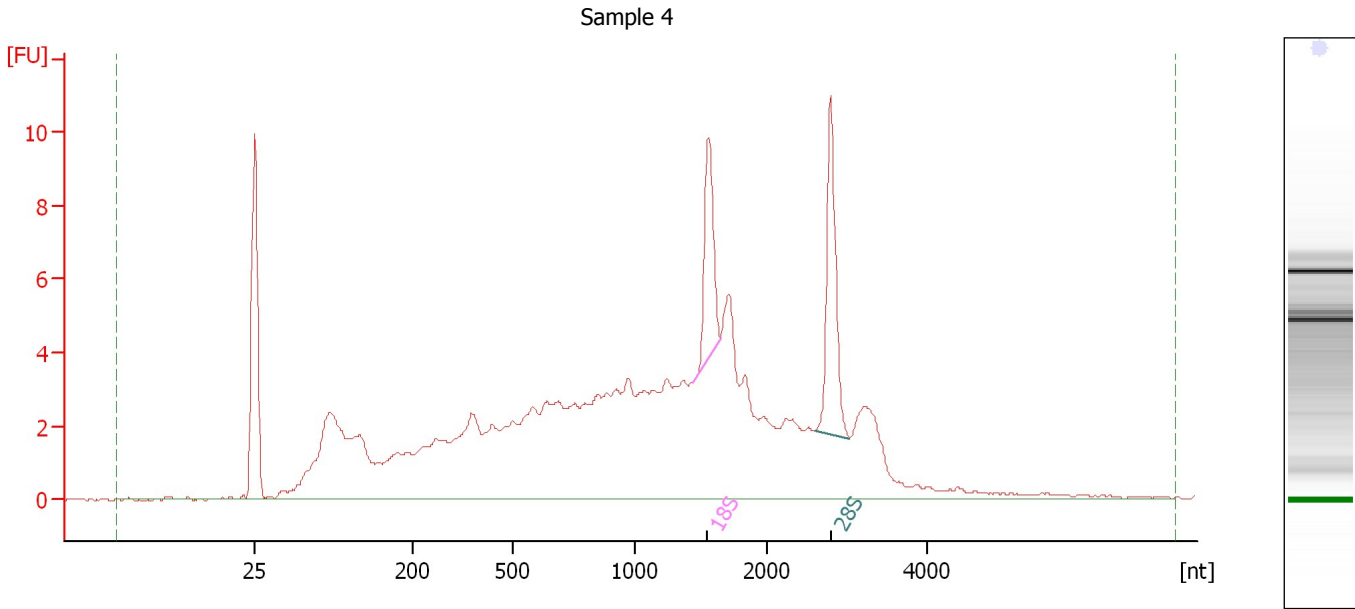
Fragment table for sample 3 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,484	1,673	2.2	3.9
28S	2,671	3,045	3.6	6.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : Sample 4

RNA Area:	165.7	RNA Integrity Number (RIN):	4.7 (B.02.08)
RNA Concentration:	97 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 4.70

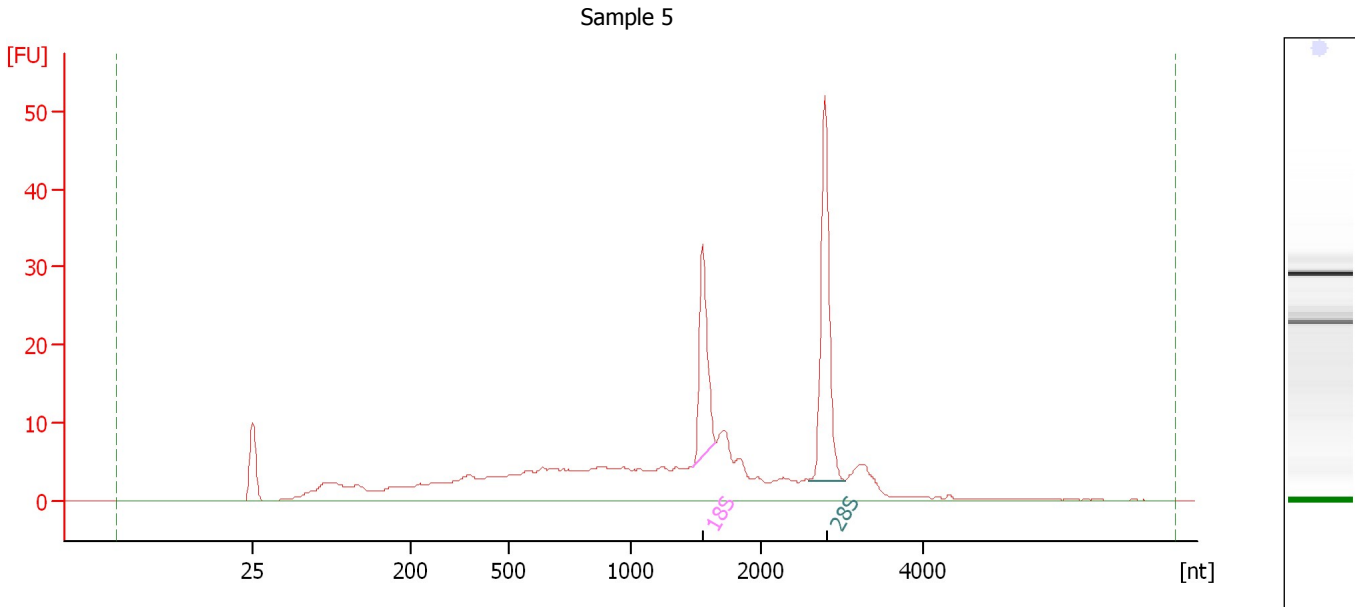
Fragment table for sample 4 : Sample 4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,442	1,654	5.9	3.6
28S	2,604	3,041	8.3	5.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Sample 5

RNA Area:	281.9	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	166 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 7.10

Fragment table for sample 5 : Sample 5

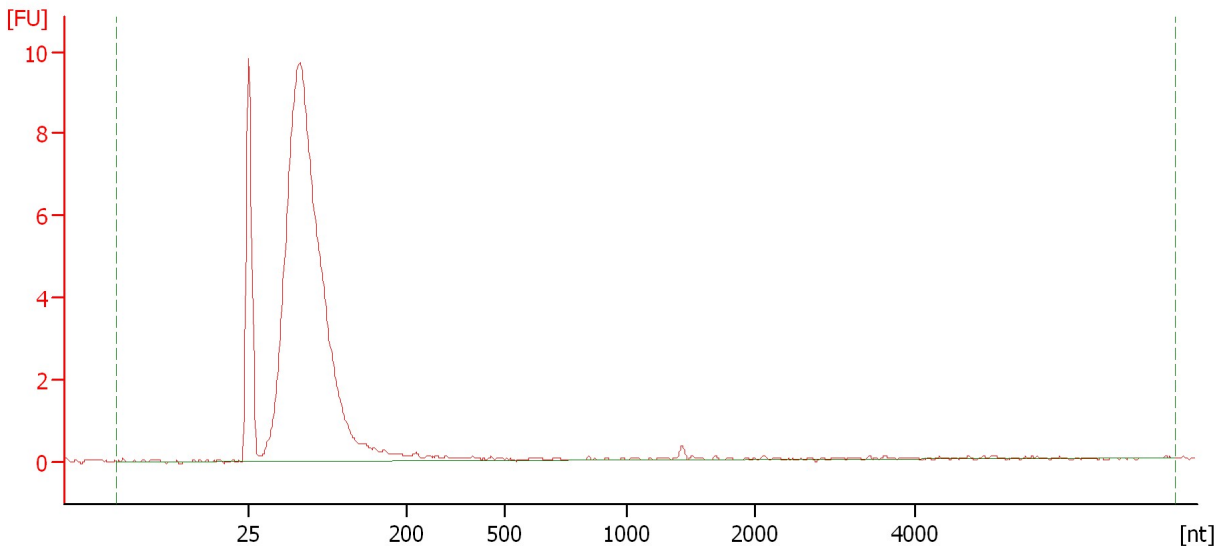
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,471	1,643	25.0	8.9
28S	2,577	3,030	42.4	15.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
Modified: 9/20/2013 3:15:52 PM

Electropherogram Summary Continued ...

Sample 6



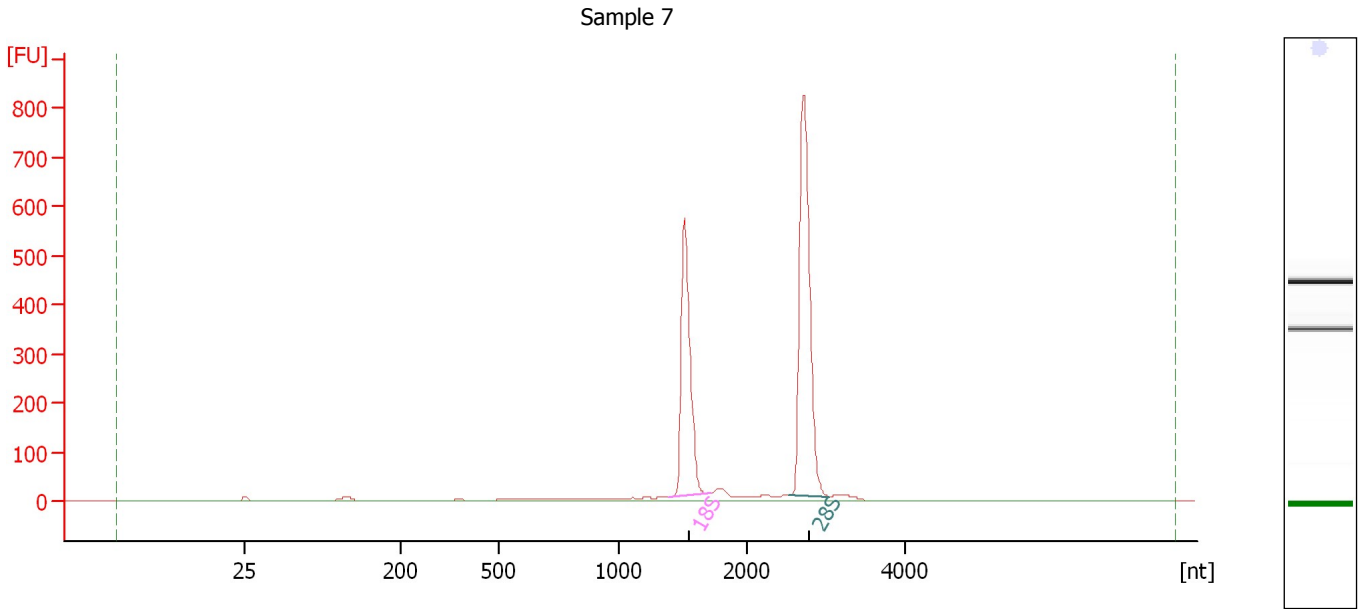
Overall Results for sample 6 : Sample 6

RNA Area:	67.1	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	39 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : Sample 7

RNA Area:	1,874.0	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	1,102 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:10

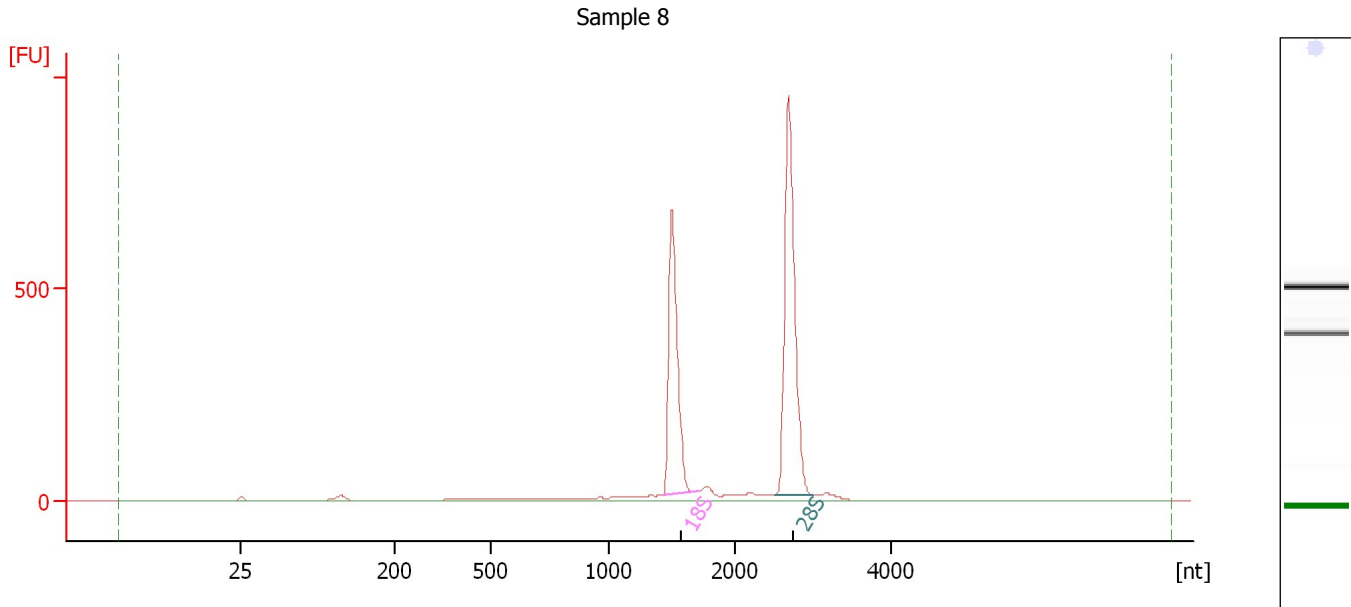
Fragment table for sample 7 : Sample 7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,393	1,716	597.6	31.9
28S	2,510	3,037	852.1	45.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
Modified: 9/20/2013 3:15:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sample 8

RNA Area:	2,303.0	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	1,355 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN:10

Fragment table for sample 8 : Sample 8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	1,702	716.7	31.1
28S	2,497	3,001	998.6	43.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2013-09-20\2013-09-20_004.xad

Created: 9/20/2013 2:42:14 PM
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Gel Image

