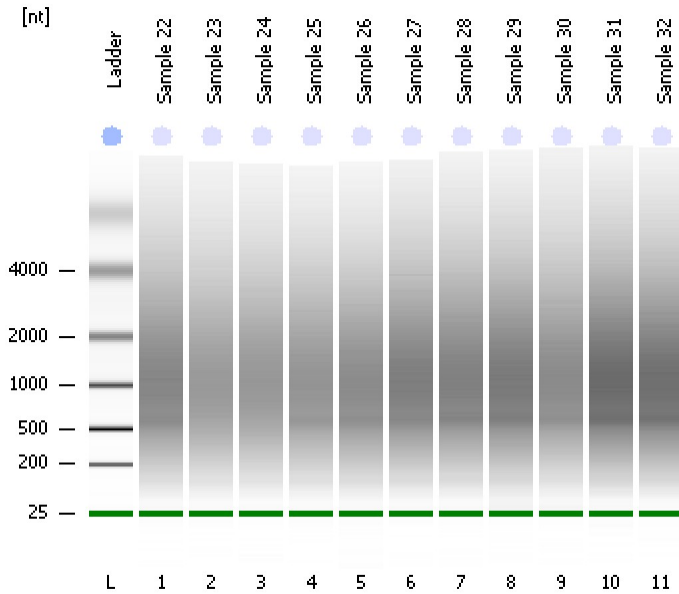


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electrophoresis File Run Summary



Instrument Information:

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

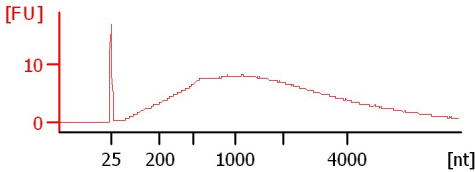
Assay Information:

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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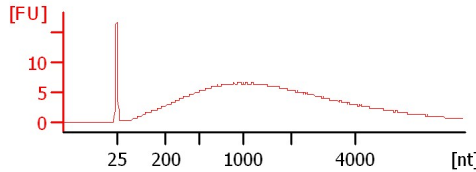
Chip Information:

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

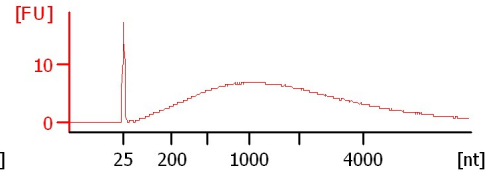
Sample 22
BCSS DNA
RIN: 4.20



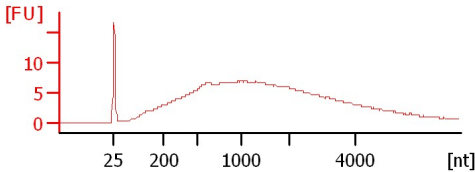
Sample 23
BCSS DNA
RIN: 5.90



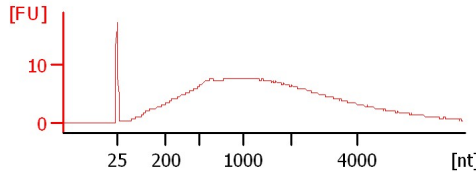
Sample 24
BCSS DNA
RIN: 3.80



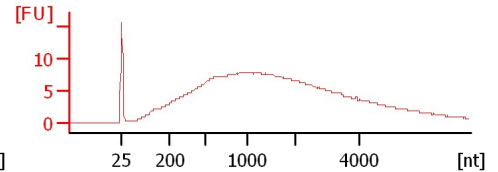
Sample 25
BCSS DNA
RIN: 4.20



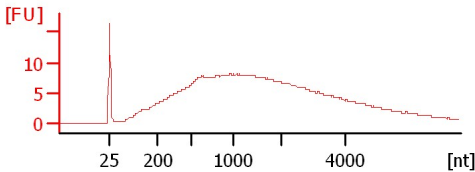
Sample 26
BCSS DNA
RIN: 4.40



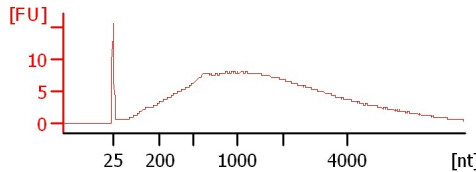
Sample 27
BCSS DNA
RIN: 3.40



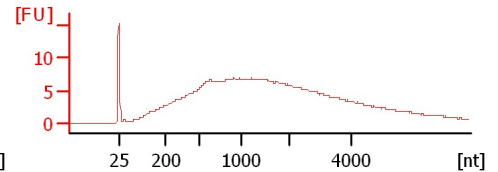
Sample 28
BCSS DNA
RIN: 3.50



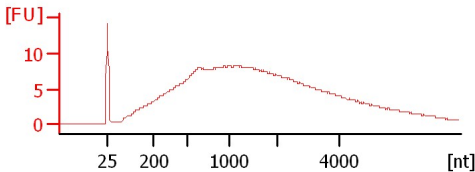
Sample 29
BCSS DNA
RIN: 3.50



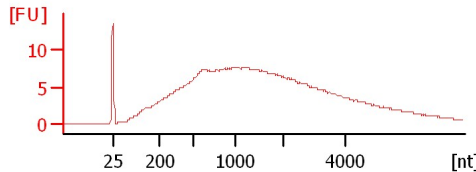
Sample 30
BCSS DNA
RIN: 2.40



Sample 31
BCSS DNA
RIN: 3.70



Sample 32
BCSS DNA
RIN: 3.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
 Modified: 8/31/2015 11:32:18 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 22	BCSS DNA	✓	RIN: 4.20	
Sample 23	BCSS DNA	✓	RIN: 5.90	
Sample 24	BCSS DNA	✓	RIN: 3.80	
Sample 25	BCSS DNA	✓	RIN: 4.20	
Sample 26	BCSS DNA	✓	RIN: 4.40	
Sample 27	BCSS DNA	✓	RIN: 3.40	
Sample 28	BCSS DNA	✓	RIN: 3.50	
Sample 29	BCSS DNA	✓	RIN: 3.50	
Sample 30	BCSS DNA	✓	RIN: 2.40	
Sample 31	BCSS DNA	✓	RIN: 3.70	
Sample 32	BCSS DNA	✓	RIN: 3.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 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

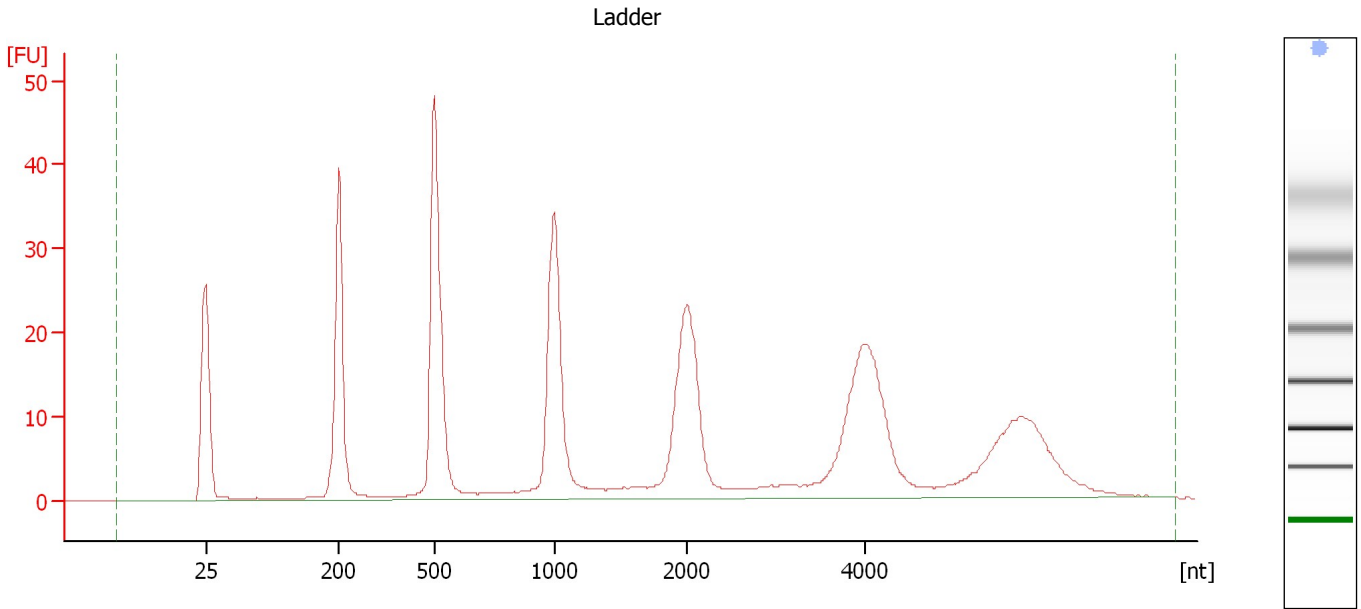
Ladder

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\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary



Overall Results for Ladder

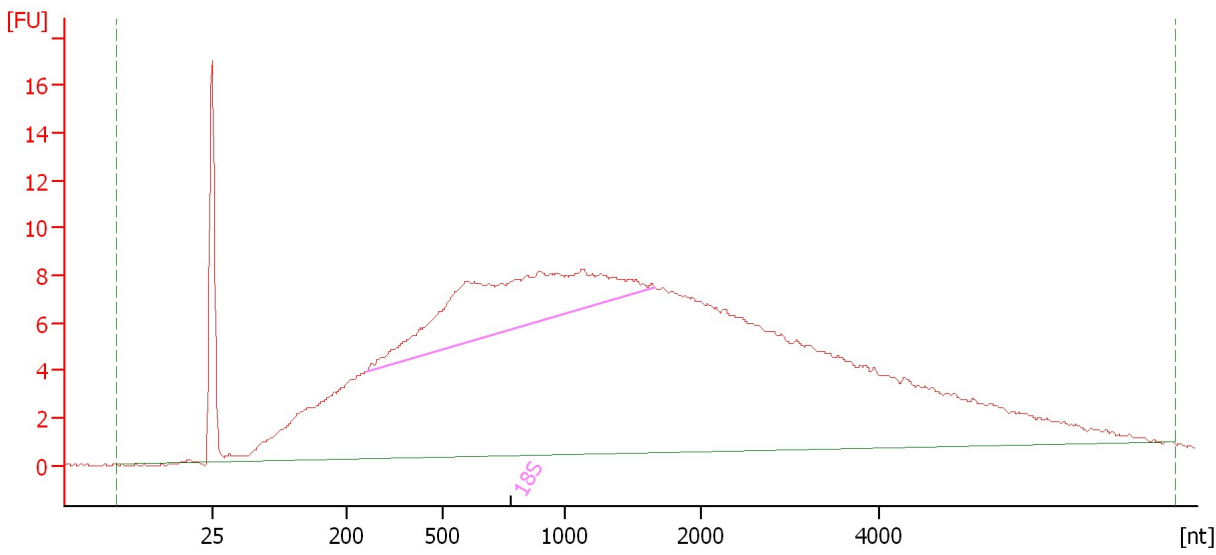
RNA Area:	430.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 22 [BCSS DNA]



Overall Results for sample 1 : Sample 22

RNA Area:	421.2	RNA Integrity Number (RIN):	4.2 (B.02.08)
RNA Concentration:	979 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.20

Fragment table for sample 1 : Sample 22

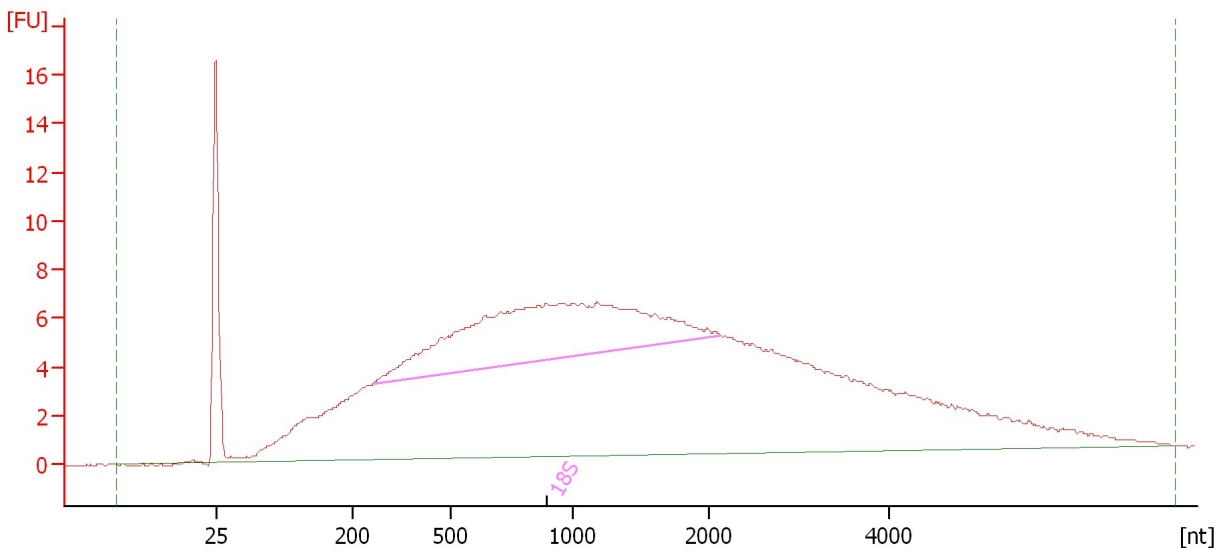
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	261	1,670	50.2	11.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 23 [BCSS DNA]



Overall Results for sample 2 : Sample 23

RNA Area:	337.6	RNA Integrity Number (RIN):	5.9 (B.02.08)
RNA Concentration:	785 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 5.90

Fragment table for sample 2 : Sample 23

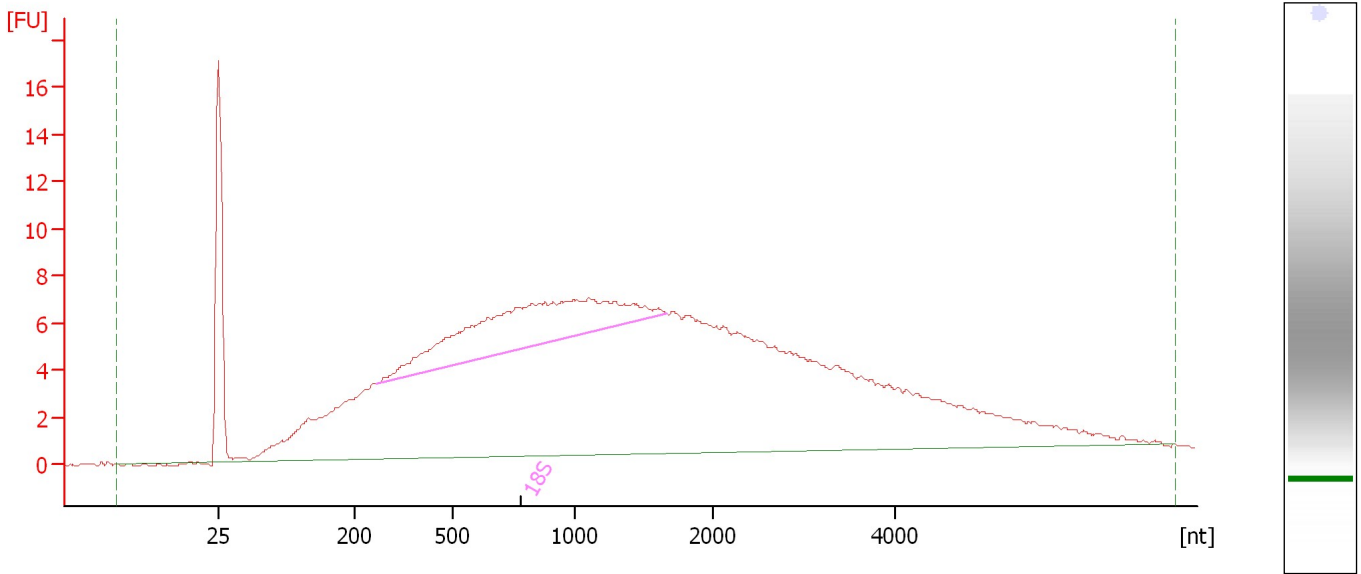
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	265	2,135	60.0	17.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 24 [BCSS DNA]



Overall Results for sample 3 : Sample 24

RNA Area:	351.1	RNA Integrity Number (RIN):	3.8 (B.02.08)
RNA Concentration:	816 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.80

Fragment table for sample 3 : Sample 24

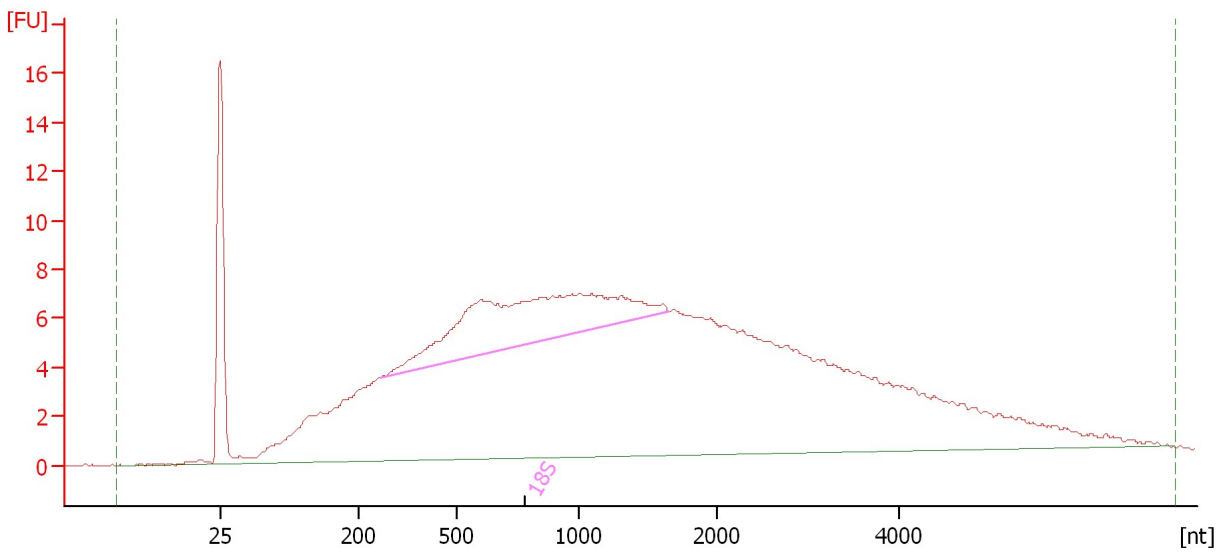
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	267	1,661	39.9	11.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 25 [BCSS DNA]



Overall Results for sample 4 : Sample 25

RNA Area:	359.7	RNA Integrity Number (RIN):	4.2 (B.02.08)
RNA Concentration:	836 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.20

Fragment table for sample 4 : Sample 25

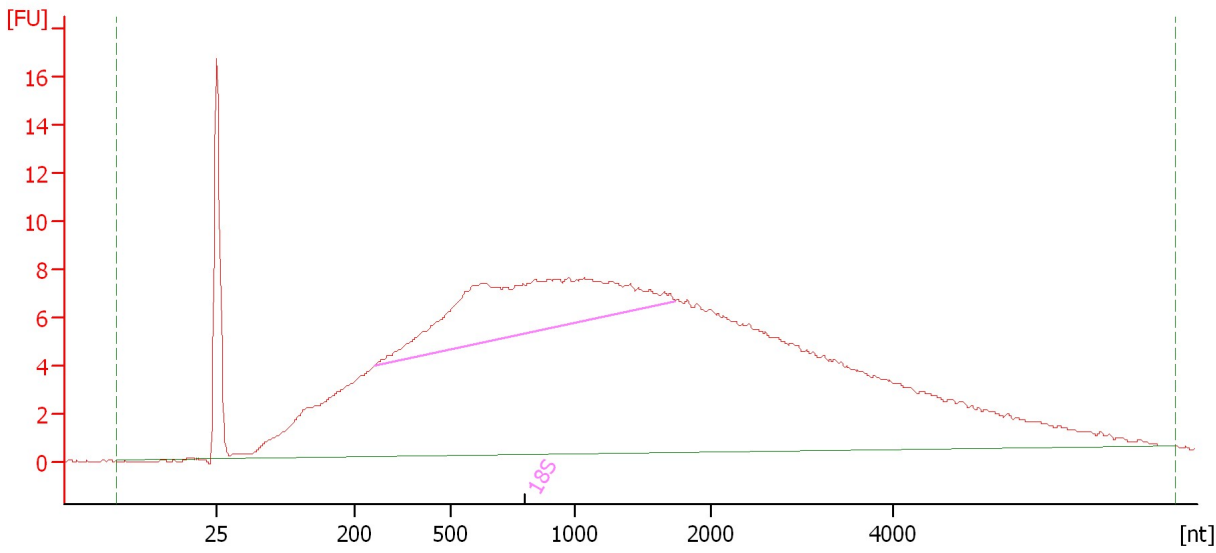
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	269	1,647	42.0	11.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 26 [BCSS DNA]



Overall Results for sample 5 : Sample 26

RNA Area:	394.4	RNA Integrity Number (RIN):	4.4 (B.02.08)
RNA Concentration:	917 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 4.40

Fragment table for sample 5 : Sample 26

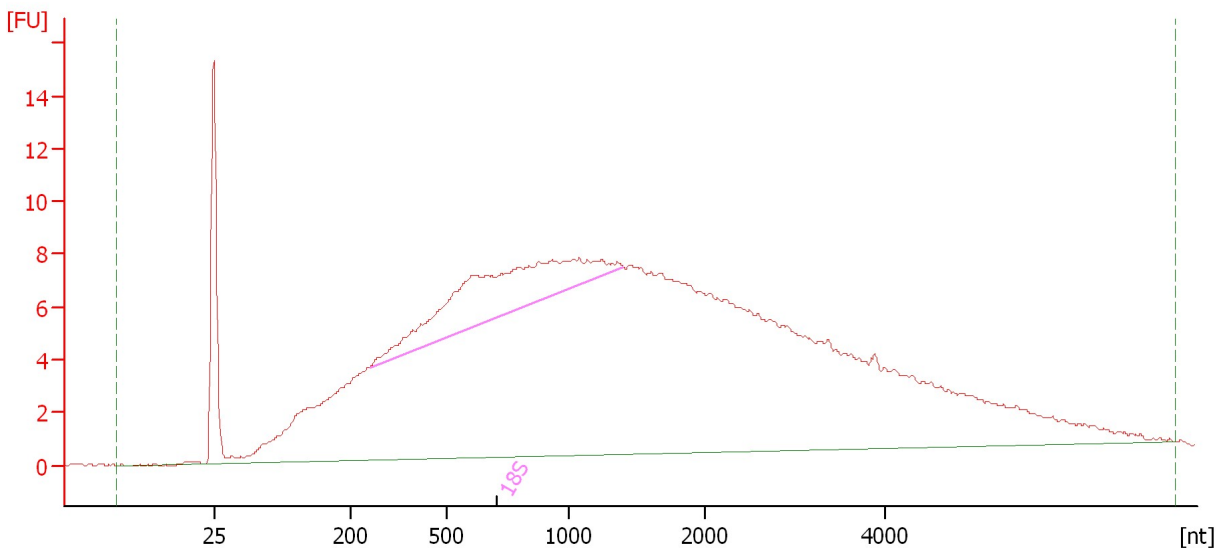
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	266	1,745	50.6	12.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 27 [BCSS DNA]



Overall Results for sample 6 : Sample 27

RNA Area:	400.9	RNA Integrity Number (RIN):	3.4 (B.02.08)
RNA Concentration:	932 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.40

Fragment table for sample 6 : Sample 27

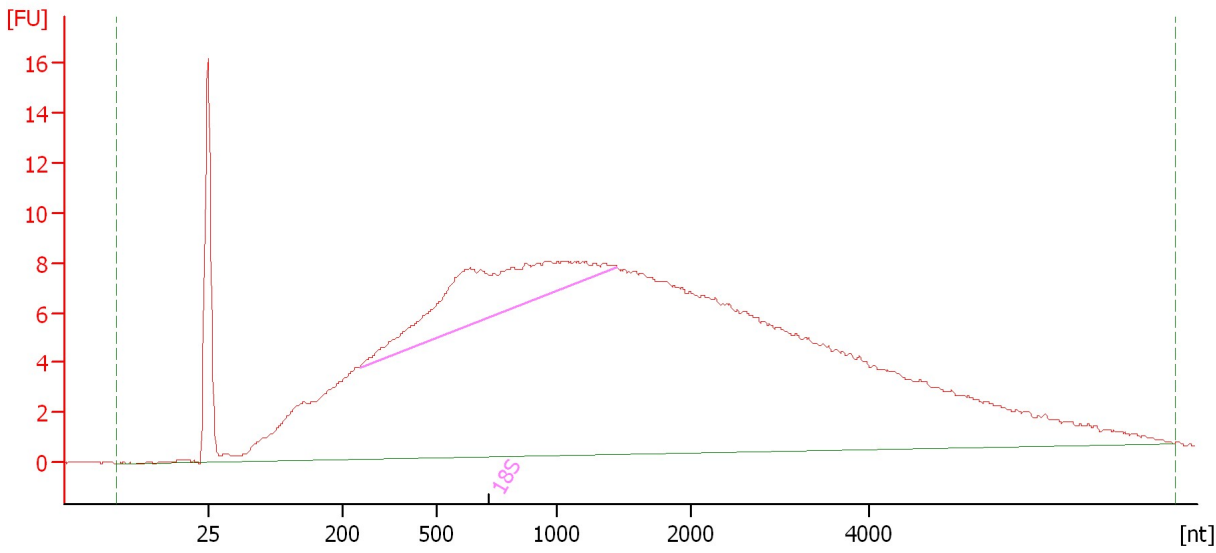
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	263	1,405	32.9	8.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 28 [BCSS DNA]



Overall Results for sample 7 : Sample 28

RNA Area:	429.5	RNA Integrity Number (RIN):	3.5 (B.02.08)
RNA Concentration:	998 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

Fragment table for sample 7 : Sample 28

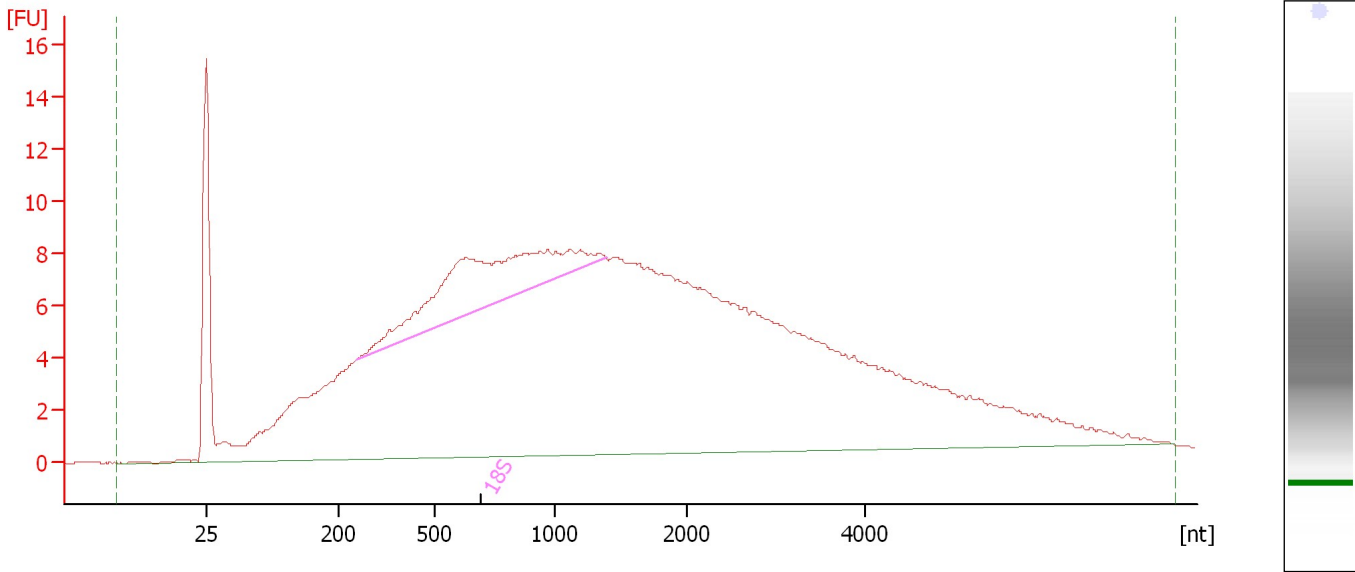
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	257	1,443	36.1	8.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 29 [BCSS DNA]



Overall Results for sample 8 : Sample 29

RNA Area:	435.8	RNA Integrity Number (RIN):	3.5 (B.02.08)
RNA Concentration:	1,013 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.50

Fragment table for sample 8 : Sample 29

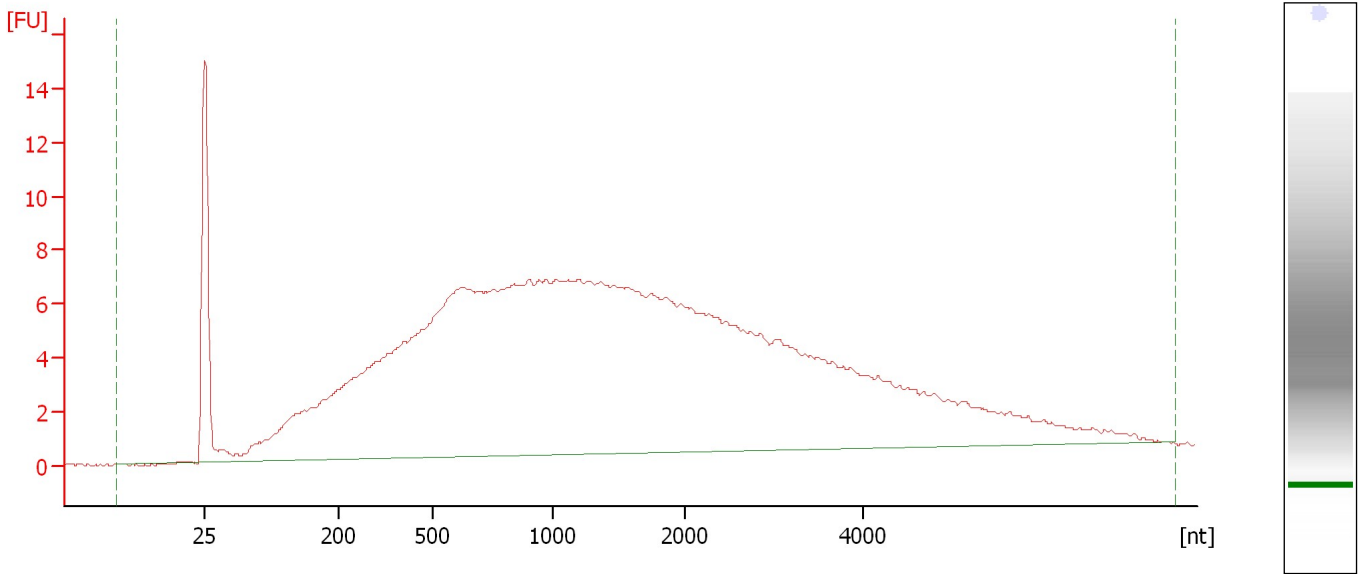
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	255	1,392	34.3	7.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 30 [BCSS DNA]



Overall Results for sample 9 : Sample 30

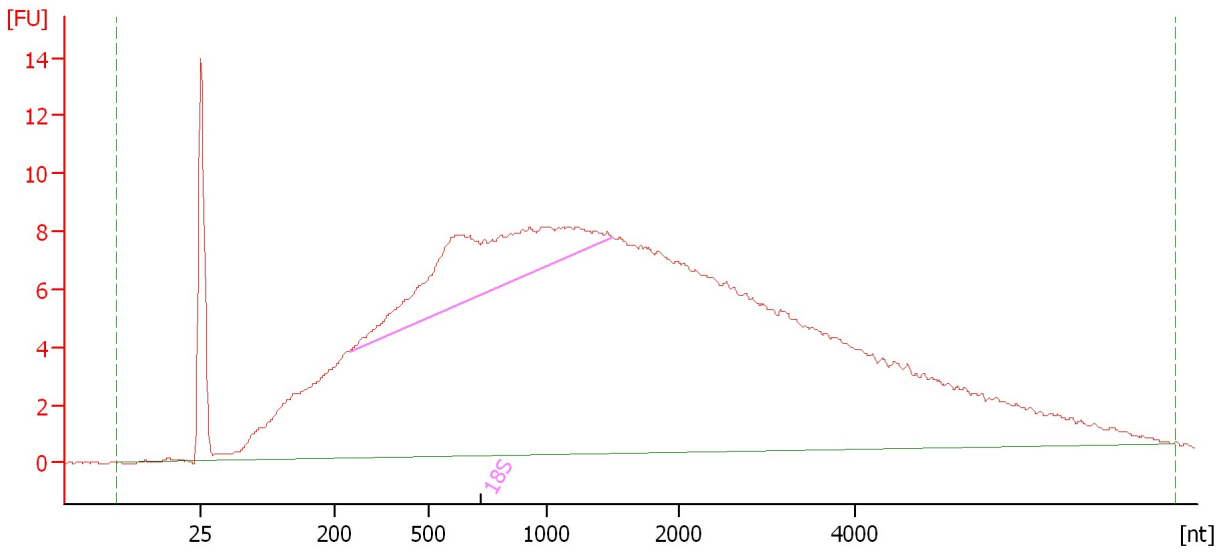
RNA Area:	357.4	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	831 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 31 [BCSS DNA]



Overall Results for sample 10 : Sample 31

RNA Area:	439.1	RNA Integrity Number (RIN):	3.7 (B.02.08)
RNA Concentration:	1,021 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.70

Fragment table for sample 10 : Sample 31

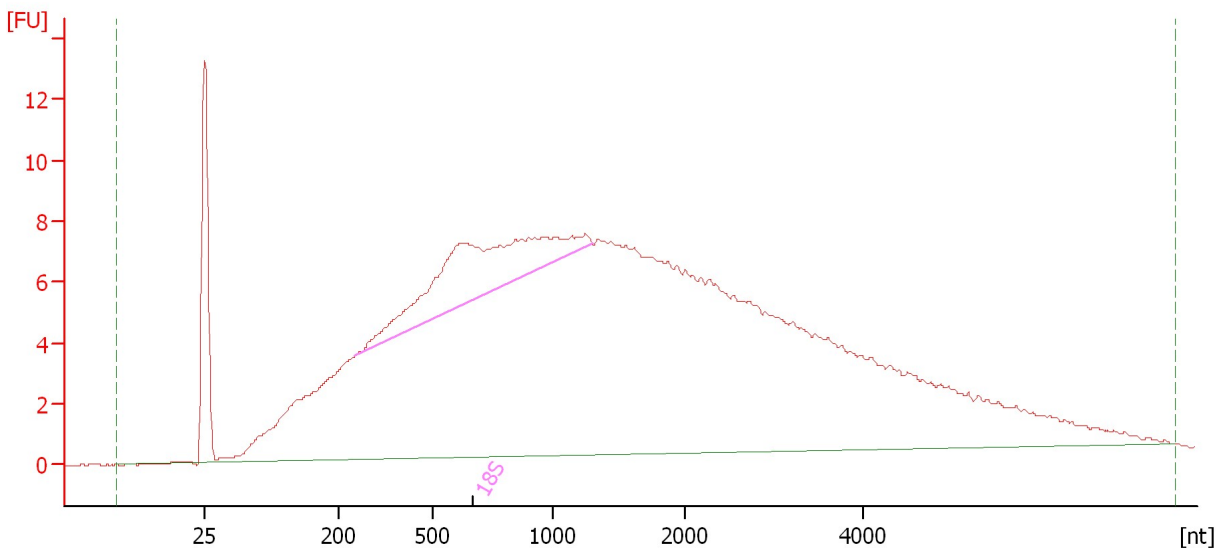
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	251	1,498	39.5	9.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
 Modified: 8/31/2015 11:32:18 AM

Electropherogram Summary Continued ...

Sample 32 [BCSS DNA]



Overall Results for sample 11 : Sample 32

RNA Area:	395.5	RNA Integrity Number (RIN):	3.3 (B.02.08)
RNA Concentration:	919 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 3.30

Fragment table for sample 11 : Sample 32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	254	1,302	29.7	7.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-31\2015-08-31_002.xad

Created: 8/31/2015 11:10:11 AM
Modified: 8/31/2015 11:32:18 AM

Gel Image

