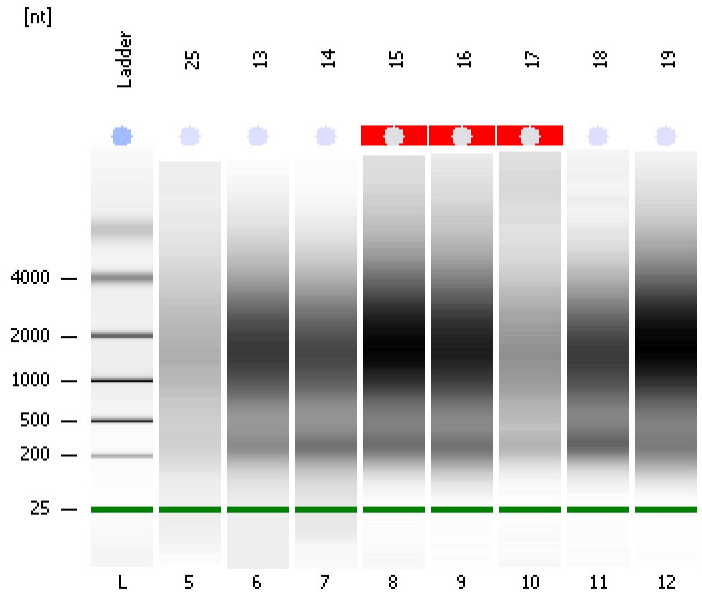


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

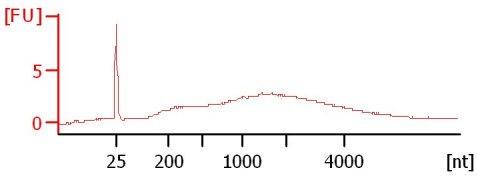
Assay Information:

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.

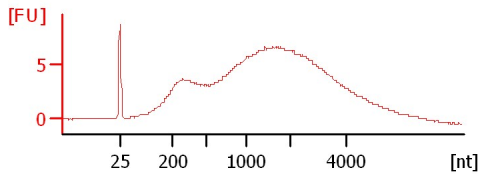
Chip Information:

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

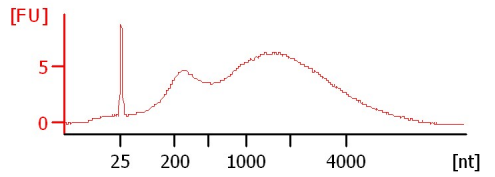
**25**  
 RIN: 2.30



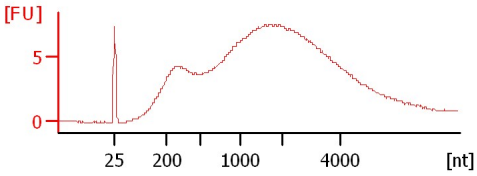
**13**  
 RIN: 2.70



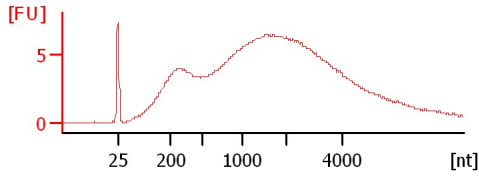
**14**  
 RIN: 2.90



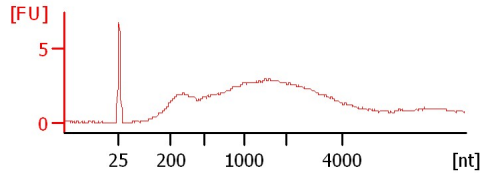
**15**  
 RIN N/A



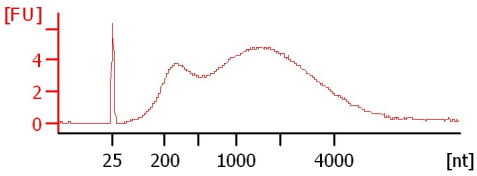
**16**  
 RIN N/A



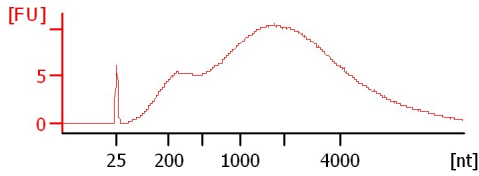
**17**  
 RIN N/A



**18**  
 RIN:3



**19**  
 RIN: 2.80



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
25		✓	RIN: 2.30	
13		✓	RIN: 2.70	
14		✓	RIN: 2.90	
15		✓	RIN N/A	
16		✓	RIN N/A	
17		✓	RIN N/A	
18		✓	RIN:3	
19		✓	RIN: 2.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
Modified: 11/3/2016 4:02:40 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

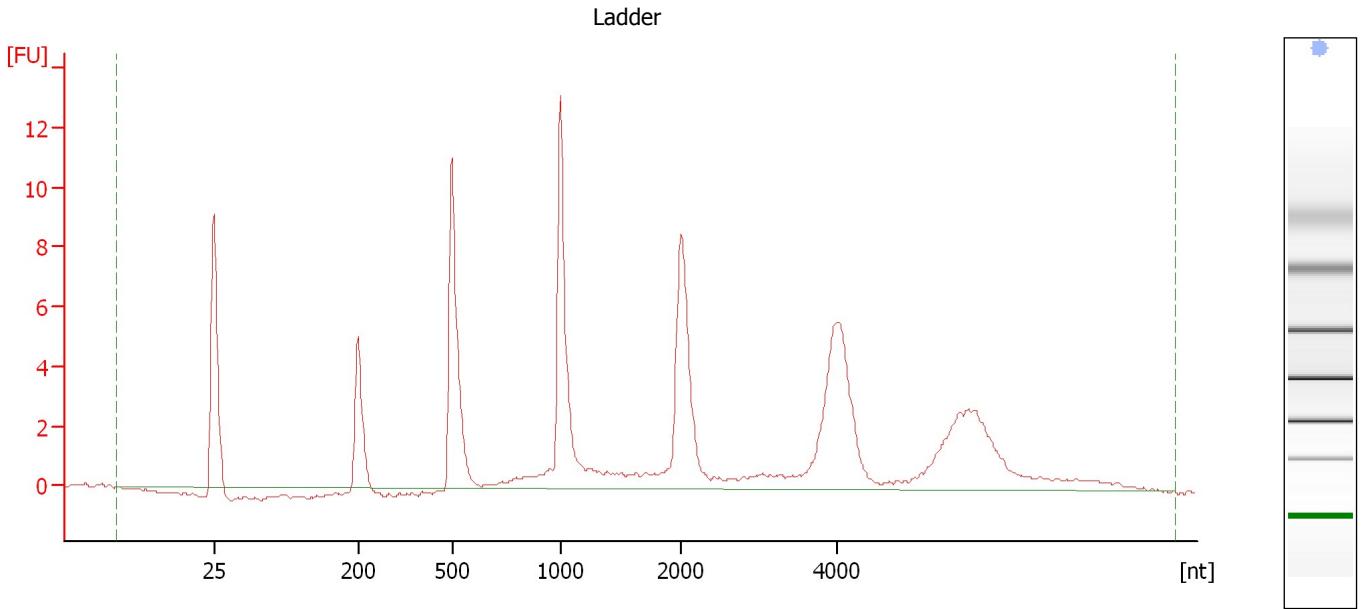
**Ladder**

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary**



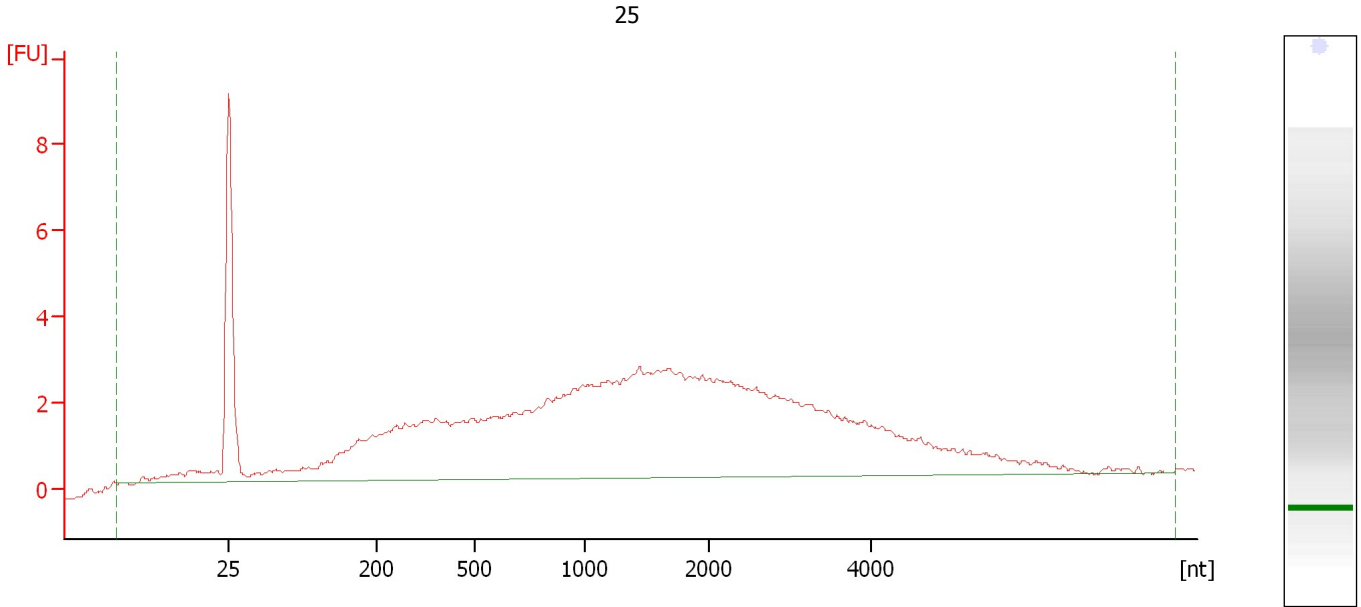
**Overall Results for Ladder**

RNA Area:	92.3	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



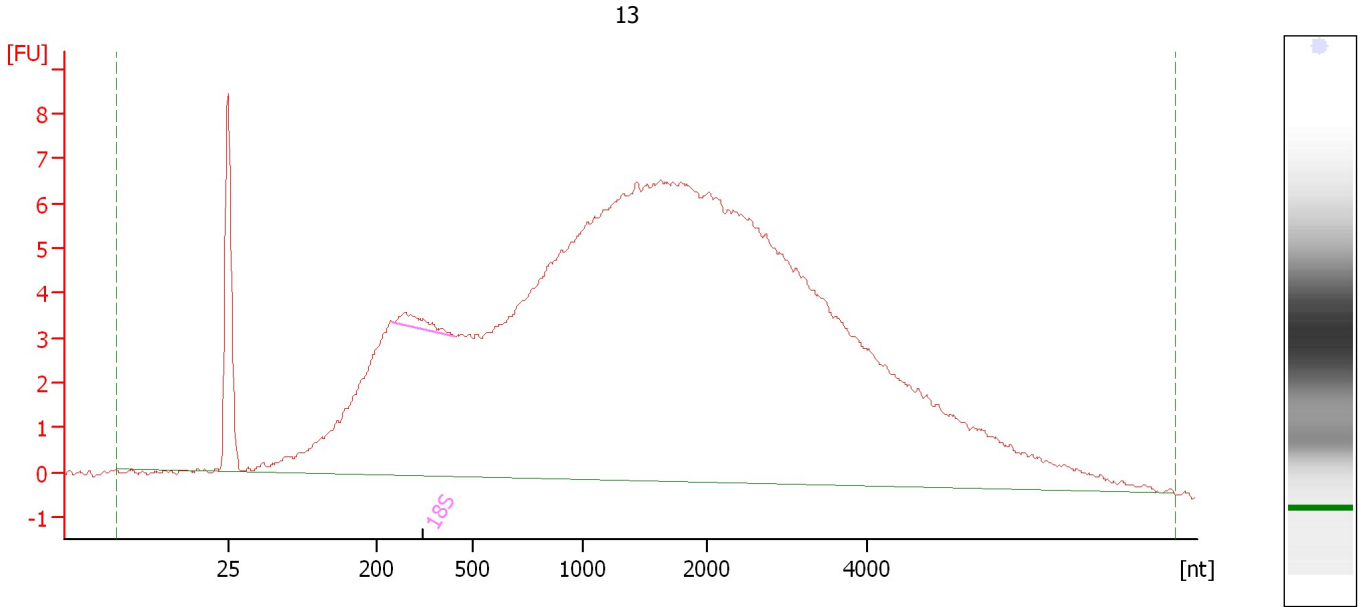
**Overall Results for sample 5 : 25**

RNA Area:	116.7	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	190 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 13**

RNA Area:	299.8	RNA Integrity Number (RIN):	2.7 (B.02.08)
RNA Concentration:	487 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.70

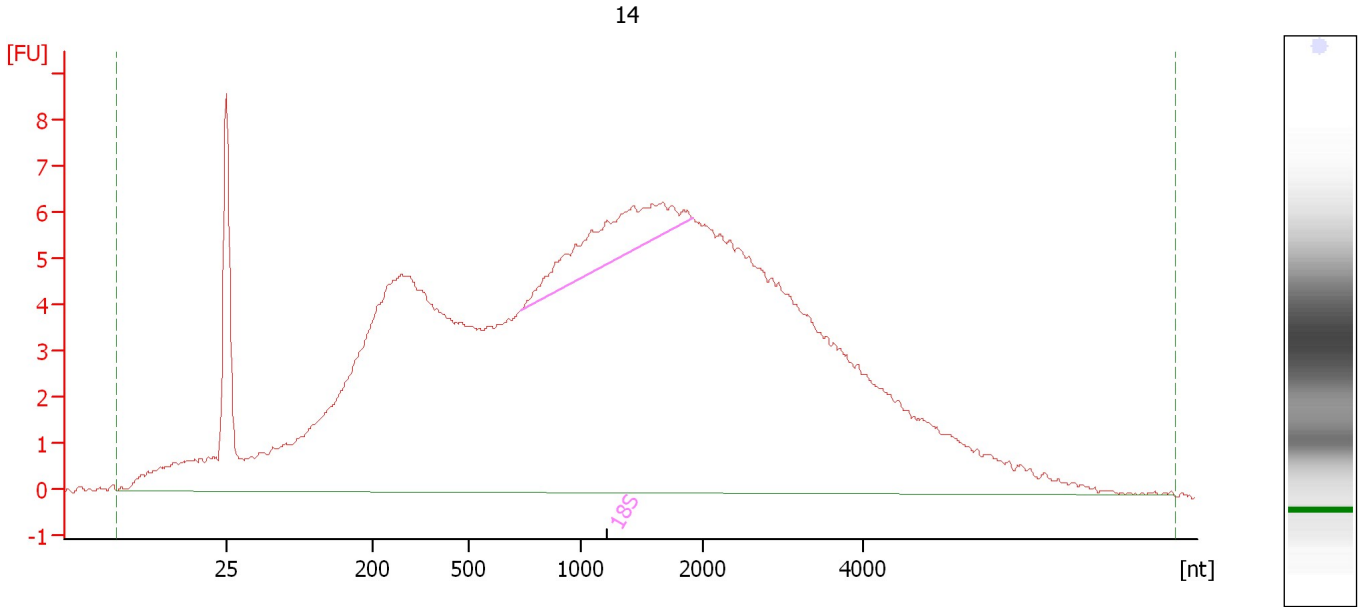
**Fragment table for sample 6 : 13**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	250	445	1.3	0.4

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 14**

RNA Area:	318.4	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	518 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.90

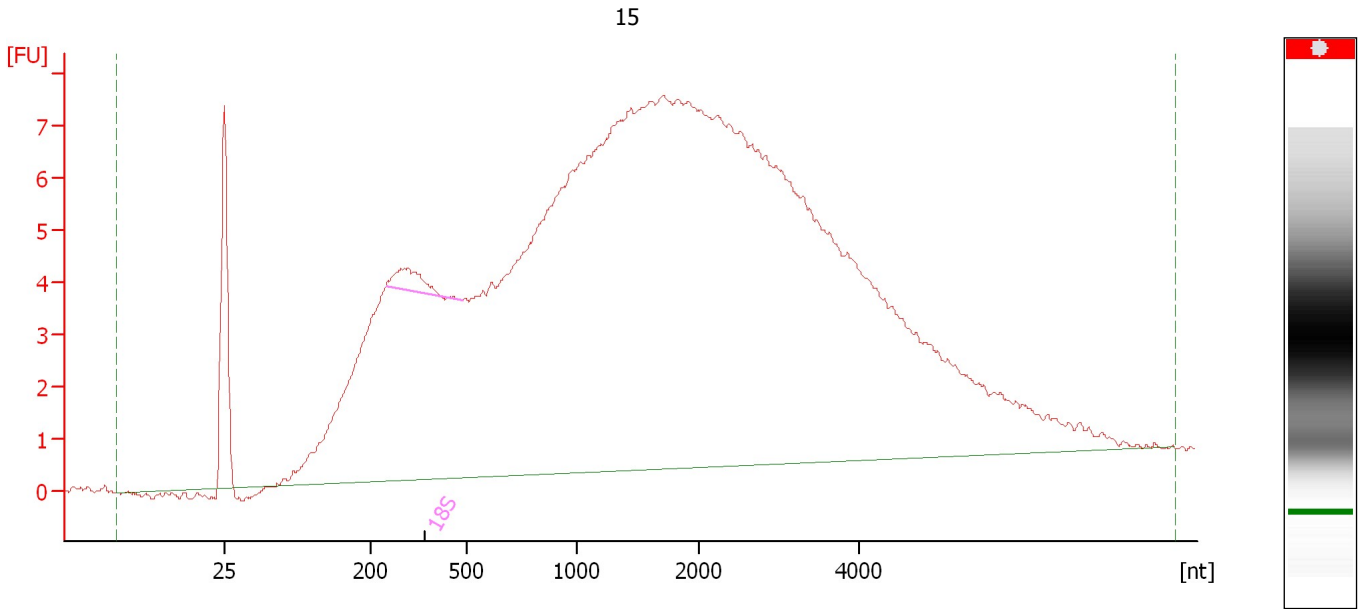
**Fragment table for sample 7 : 14**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	731	1,913	11.5	3.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 15**

RNA Area:	325.1	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	529 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 8 : 15**

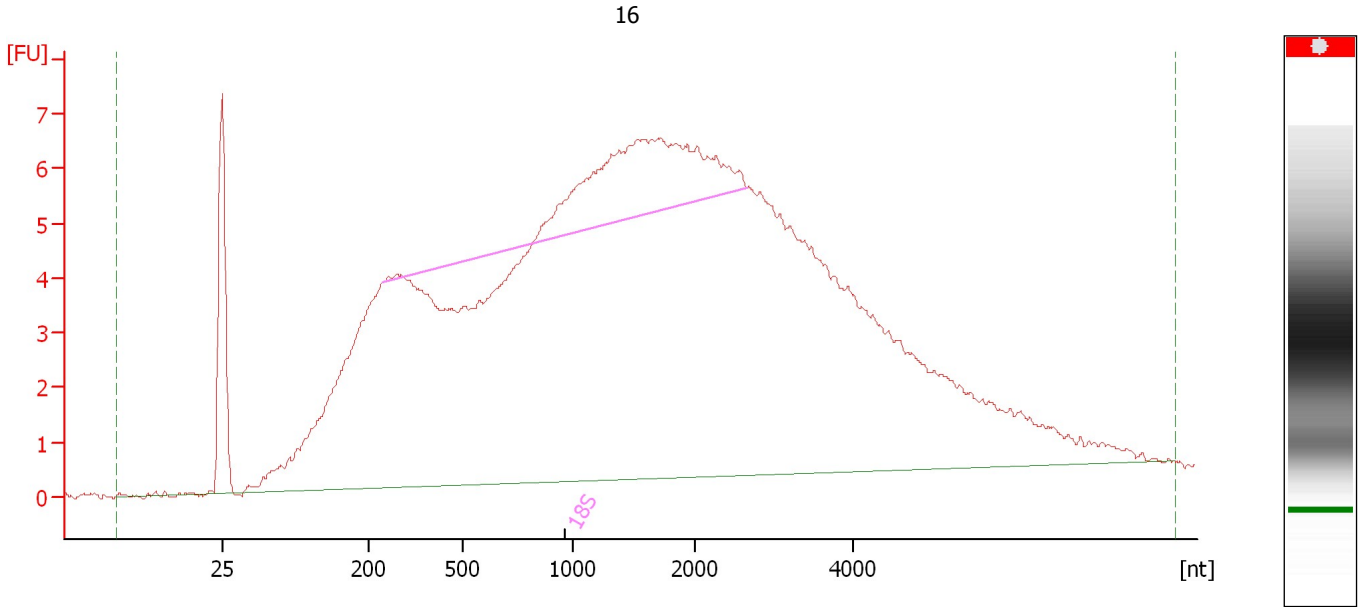
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	247	484	1.9	0.6



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 16**

RNA Area:	302.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	492 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

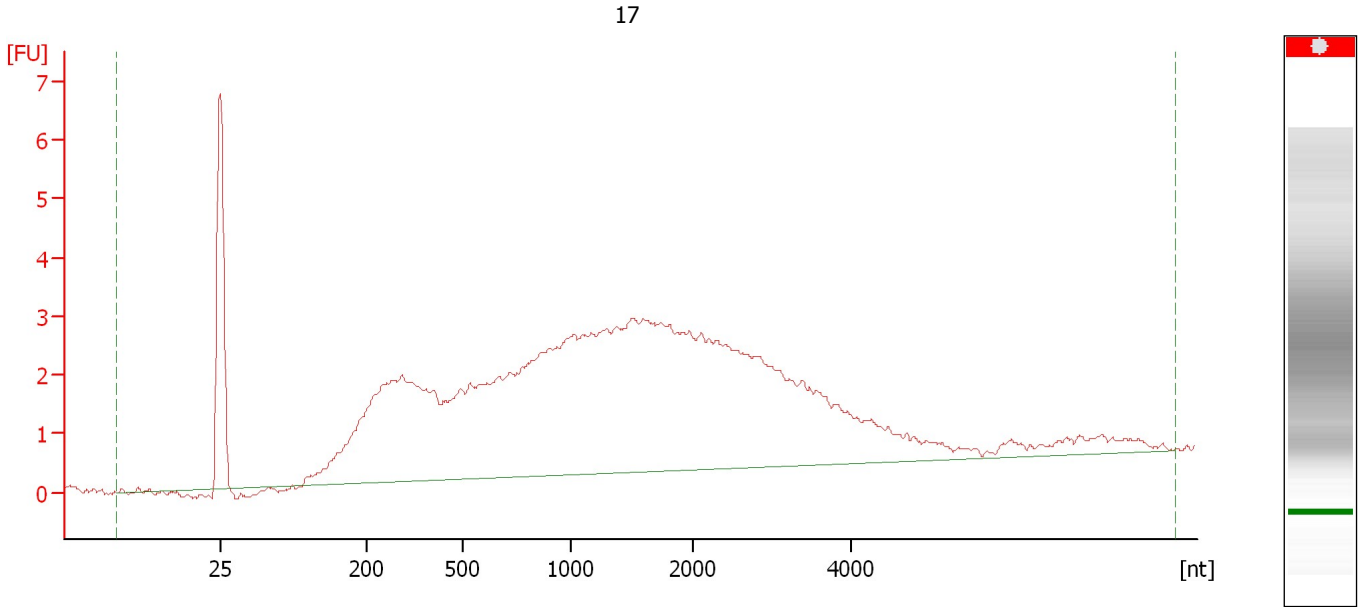
**Fragment table for sample 9 : 16**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	245	2,643	19.9	6.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



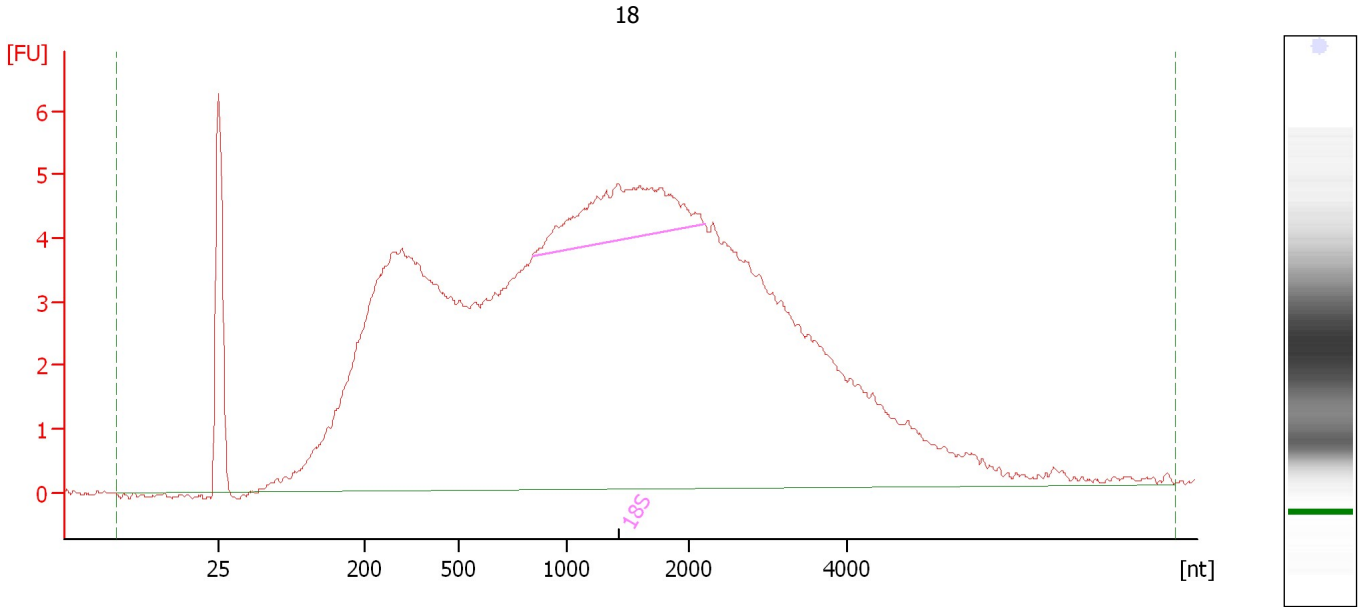
**Overall Results for sample 10 : 17**

RNA Area:	113.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	184 ng/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
 Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 18**

RNA Area:	221.8	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	361 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

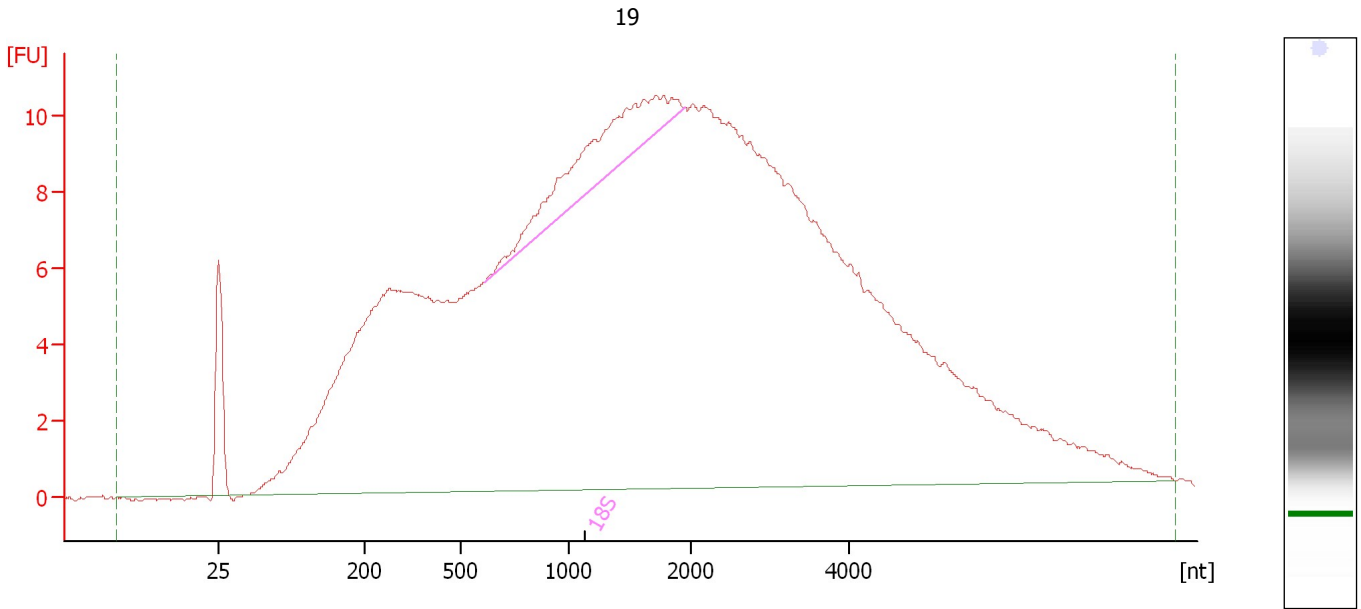
**Fragment table for sample 11 : 18**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	839	2,208	9.8	4.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
Modified: 11/3/2016 4:02:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 19**

RNA Area:	493.7	RNA Integrity Number (RIN):	2.8 (B.02.08)
RNA Concentration:	803 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.80

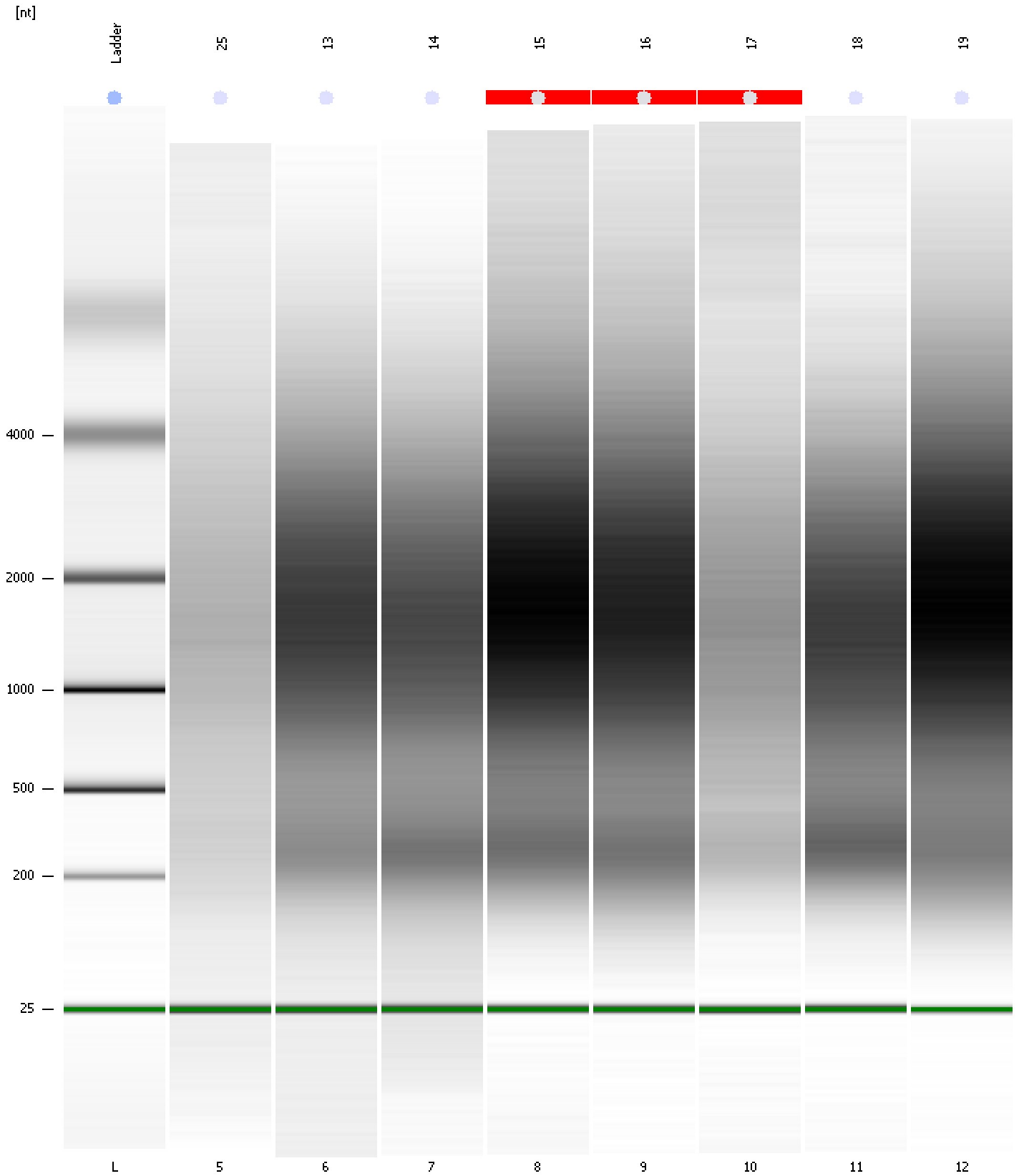
**Fragment table for sample 12 : 19**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	616	1,942	17.3	3.5

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad

Created: 11/3/2016 3:10:49 PM  
Modified: 11/3/2016 4:02:40 PM

**Gel Image**



Assay Class: Eukaryote Total RNA Nano Created: 11/3/2016 3:10:49 PM  
 Data Path: C:\...t\data\2016-11-03\2016-11-03\_004\_Siranoosh\_RNA\_25\_13-19.xad Modified: 11/3/2016 4:02:40 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		11/3/2016 3:34:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-03\2016-11-03_004.xad)		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/3/2016 3:10:55 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1