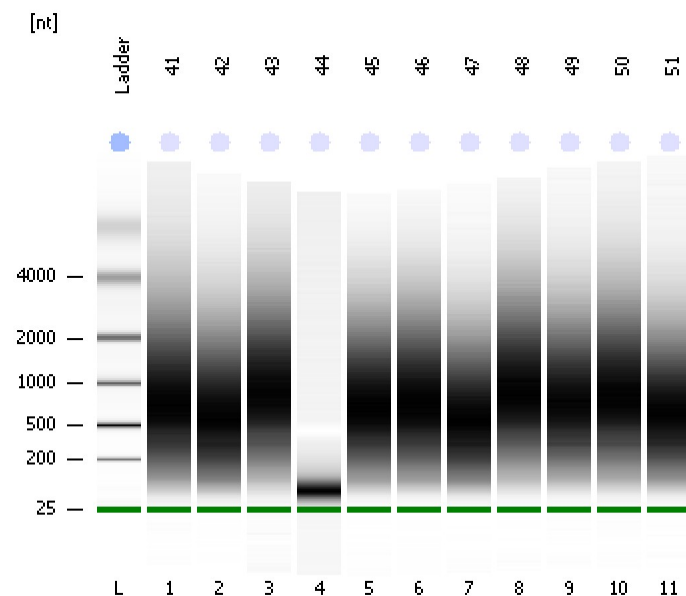


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72902486
Serial#: DE72902486

Firmware: C.01.069
Type: G2939A

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)

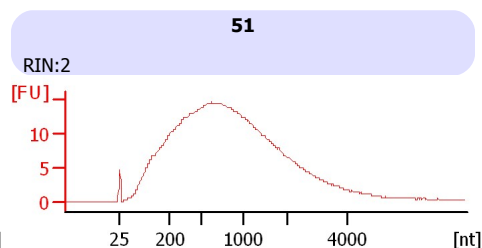
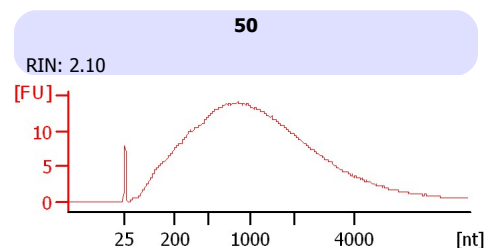
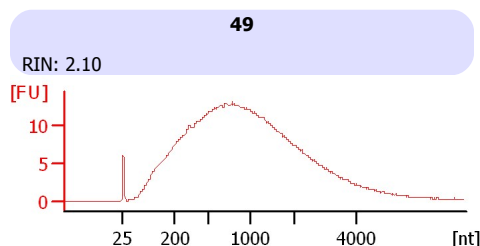
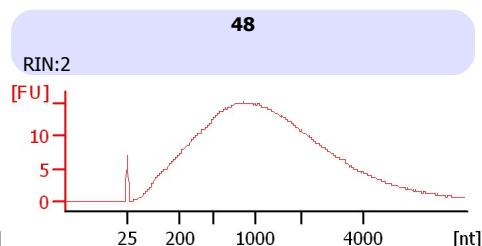
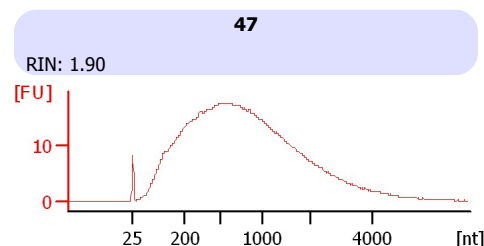
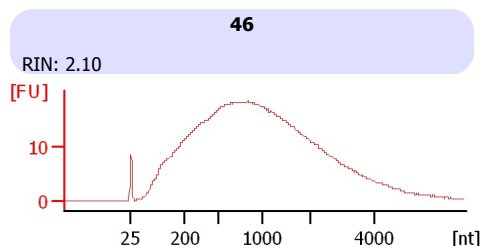
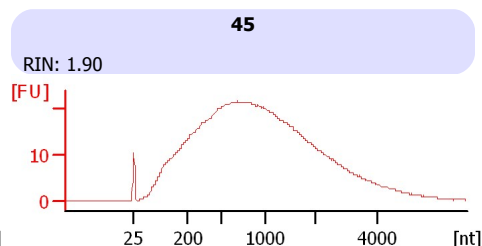
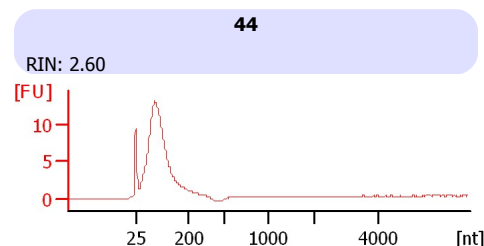
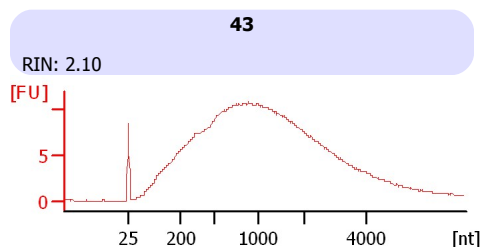
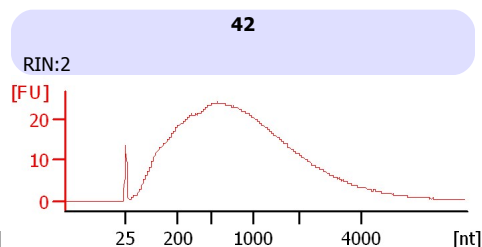
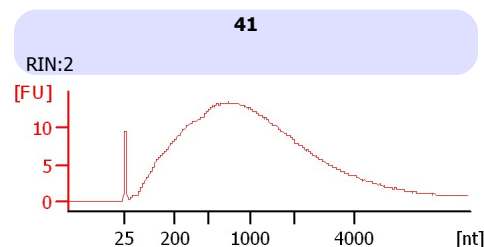
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
41		✓ RIN:2	
42		✓ RIN:2	
43		✓ RIN: 2.10	
44		✓ RIN: 2.60	
45		✓ RIN: 1.90	
46		✓ RIN: 2.10	
47		✓ RIN: 1.90	
48		✓ RIN:2	
49		✓ RIN: 2.10	
50		✓ RIN: 2.10	
51		✓ RIN:2	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 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/μl] : 1000

Lower Marker Concentration [pg/μl] : 0

Upper Marker Concentration [pg/μl] : 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

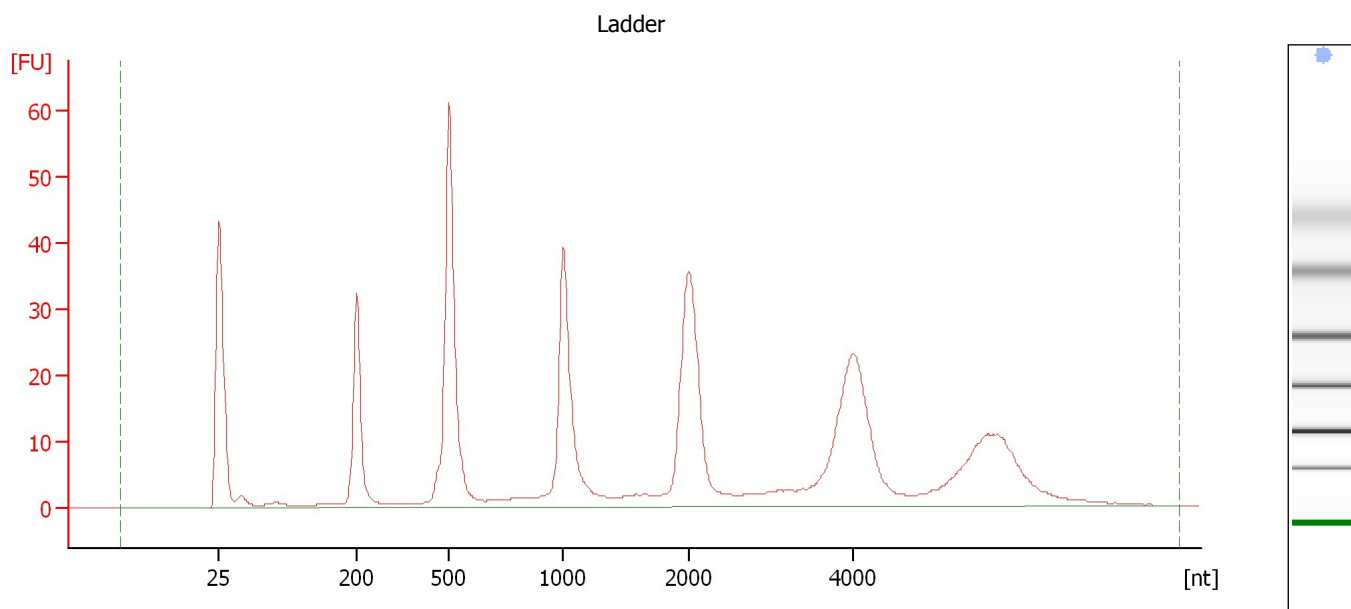
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 484.0

Result Flagging Color:



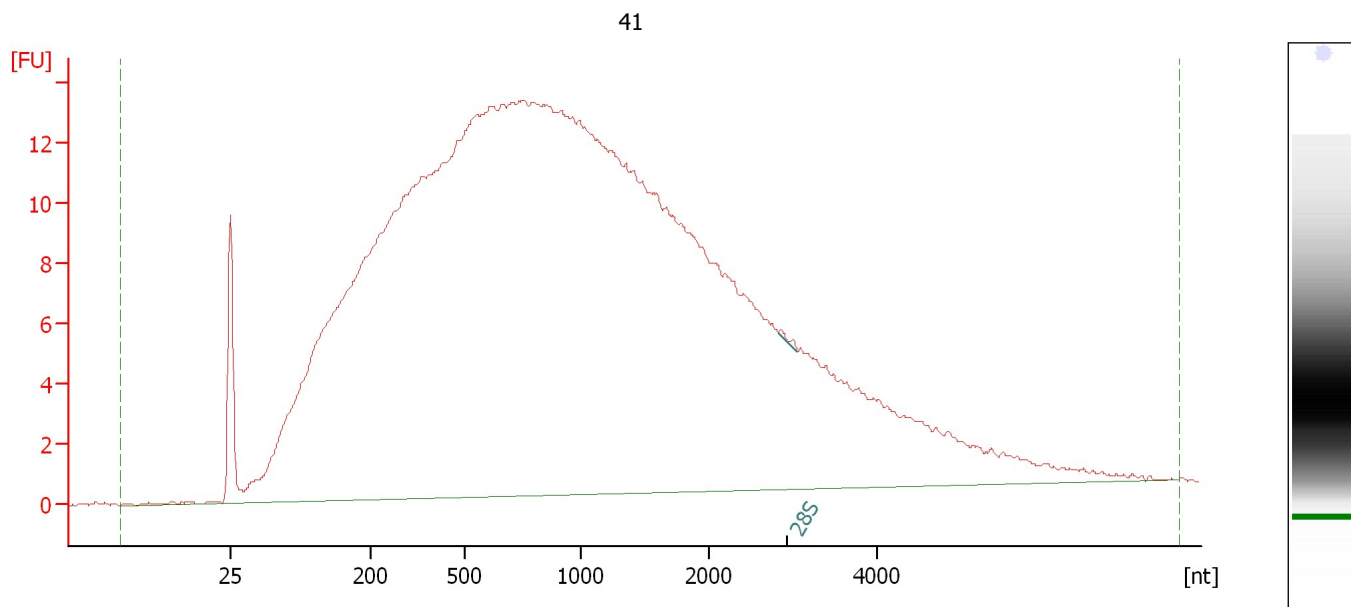
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 41**

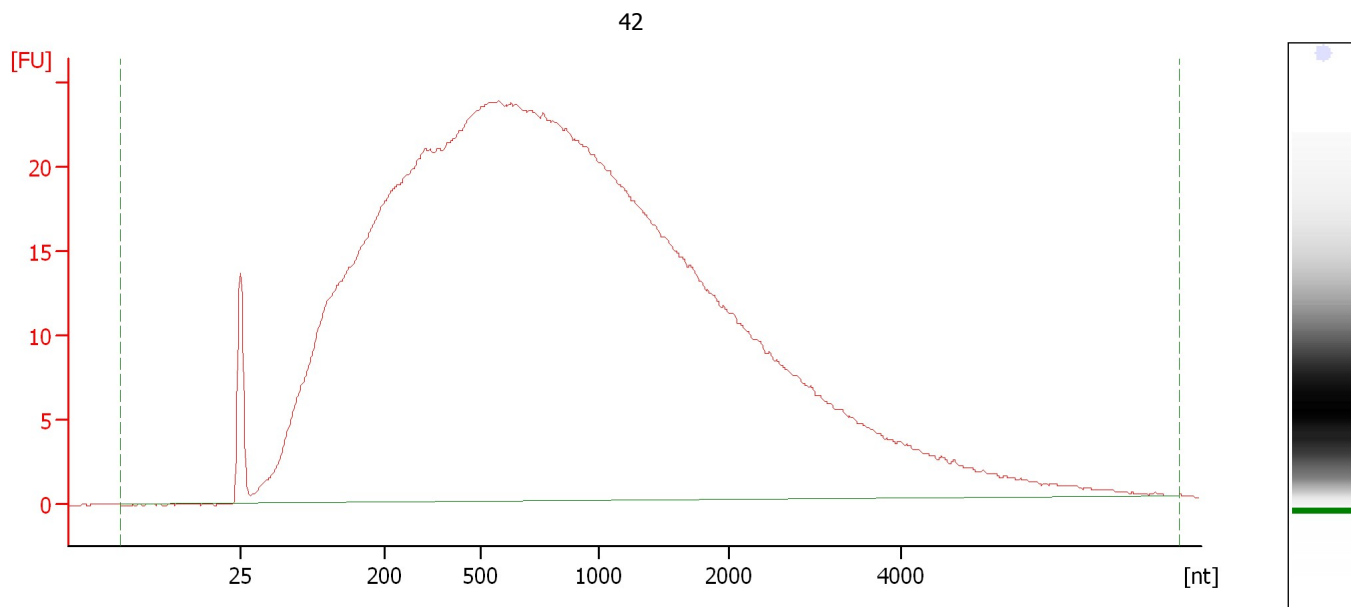
RNA Area:	644.6	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	1,332 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 1 : 41

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,820	3,047	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

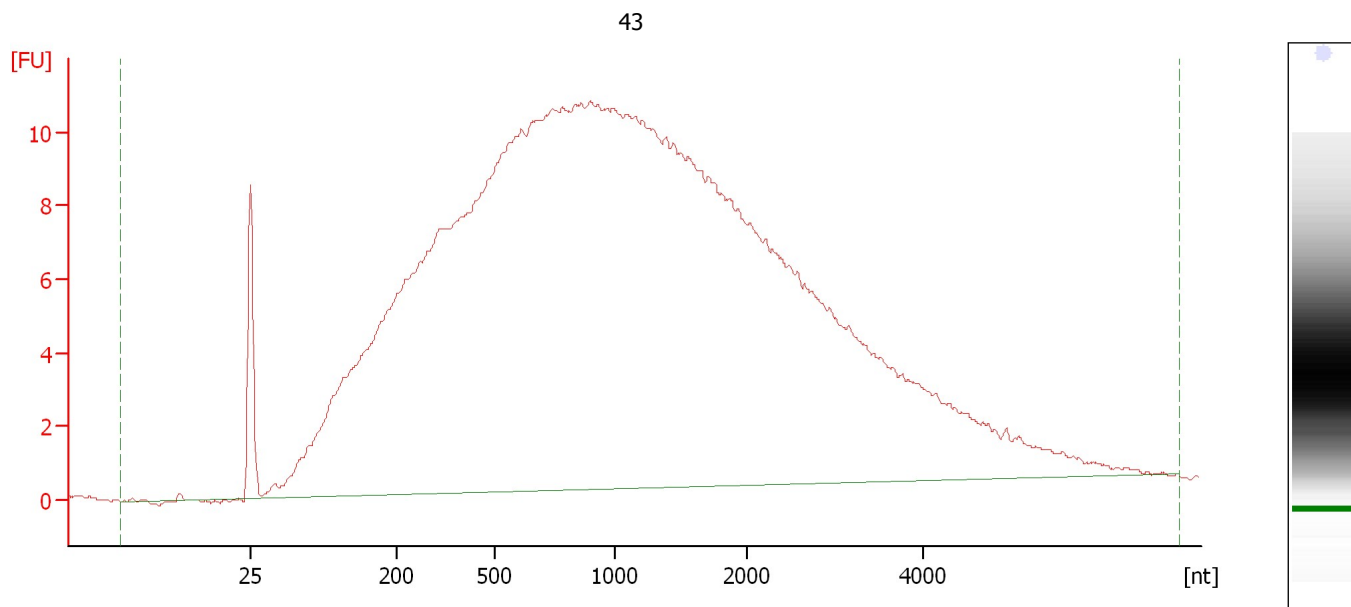
Electropherogram Summary Continued ...**Overall Results for sample 2 : 42**

RNA Area: 1,128.1
RNA Concentration: 2,331 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

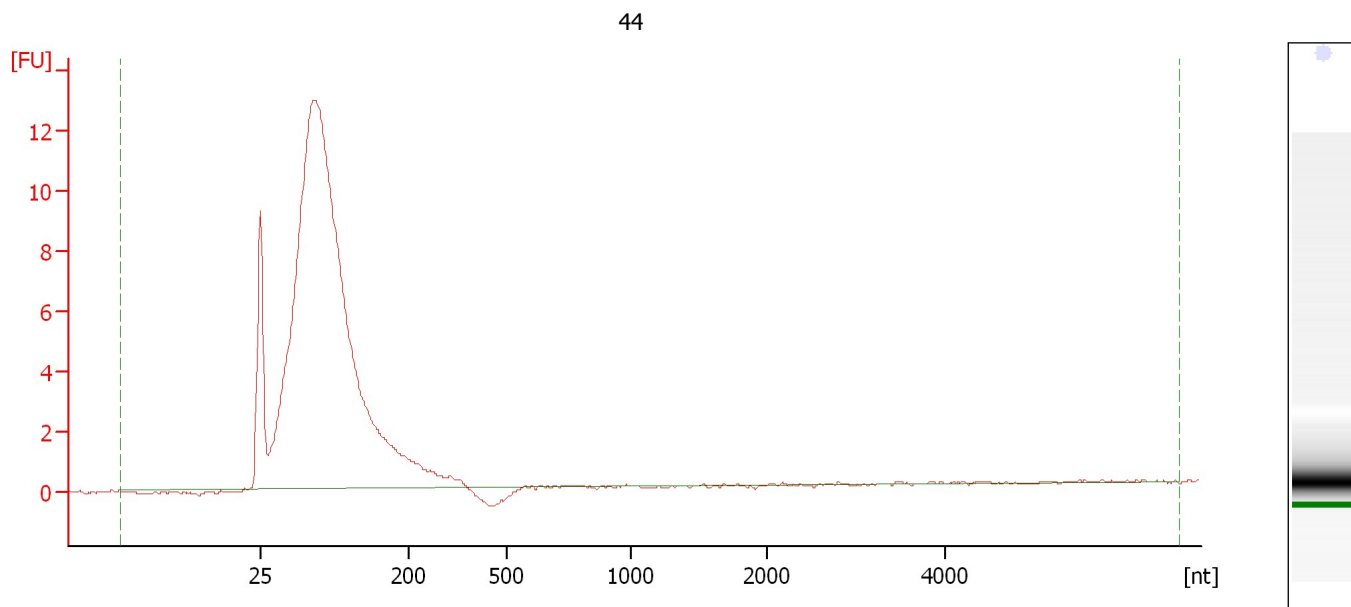
Electropherogram Summary Continued ...**Overall Results for sample 3 : 43**

RNA Area: 496.8
RNA Concentration: 1,026 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.1 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

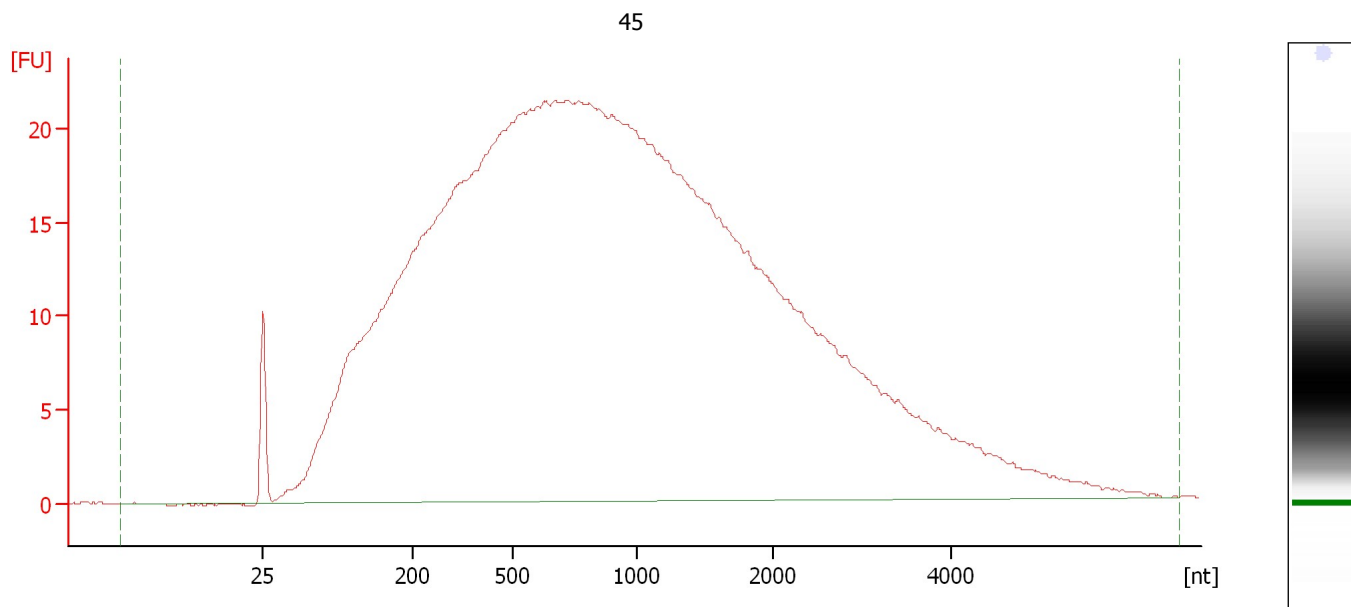
Electropherogram Summary Continued ...**Overall Results for sample 4 : 44**

RNA Area: 126.7
RNA Concentration: 262 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 2.6 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

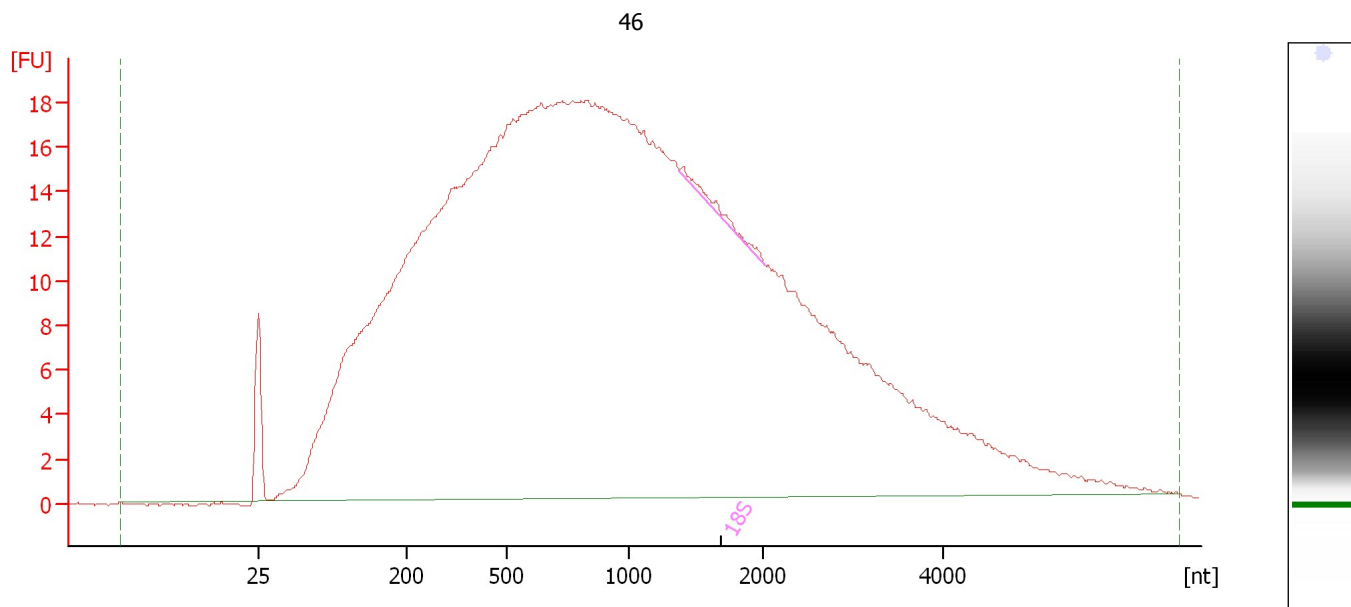
Electropherogram Summary Continued ...**Overall Results for sample 5 : 45**

RNA Area: 995.0
RNA Concentration: 2,056 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.9 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 46**

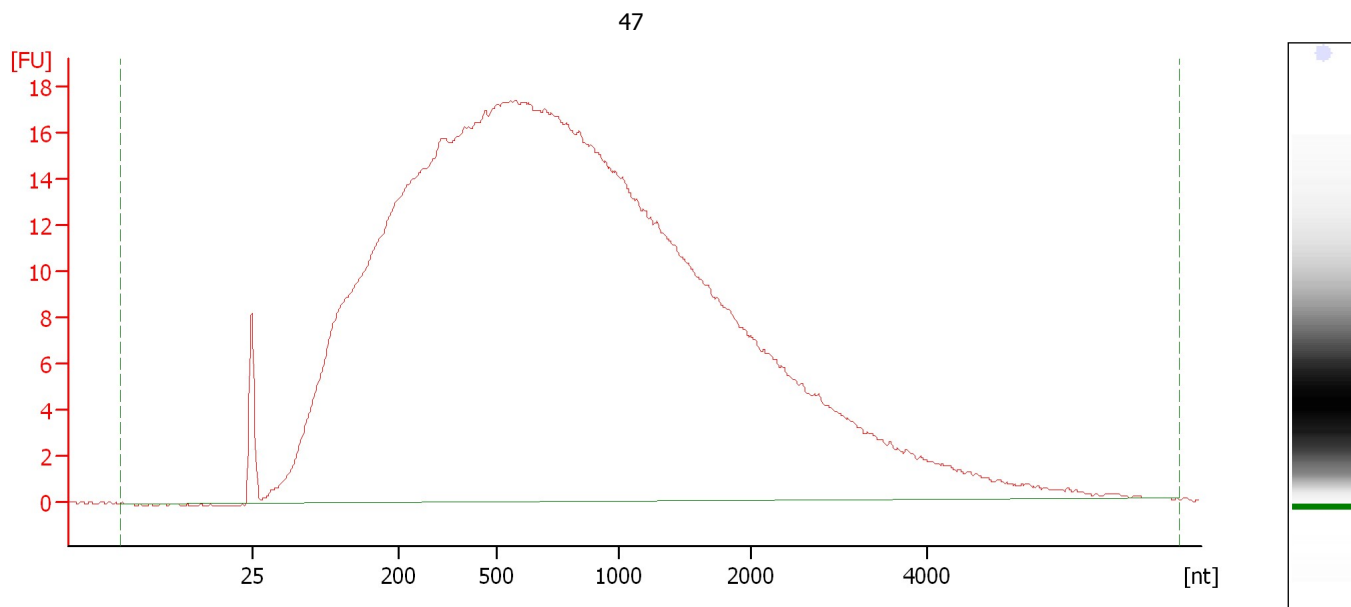
RNA Area:	853.0	RNA Integrity Number (RIN):	2.1 (B.02.07)
RNA Concentration:	1,762 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 6 : 46

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,375	2,003	1.9	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

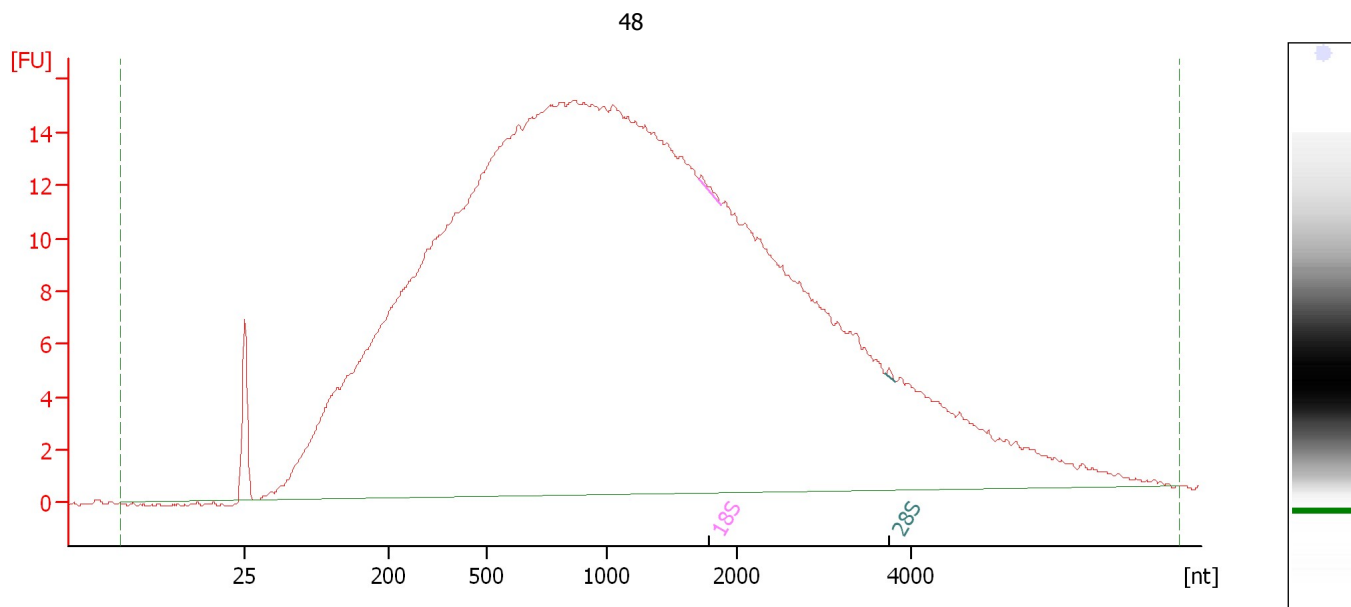
Electropherogram Summary Continued ...**Overall Results for sample 7 : 47**

RNA Area: 785.5
RNA Concentration: 1,623 pg/ μ l
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.9 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 48**

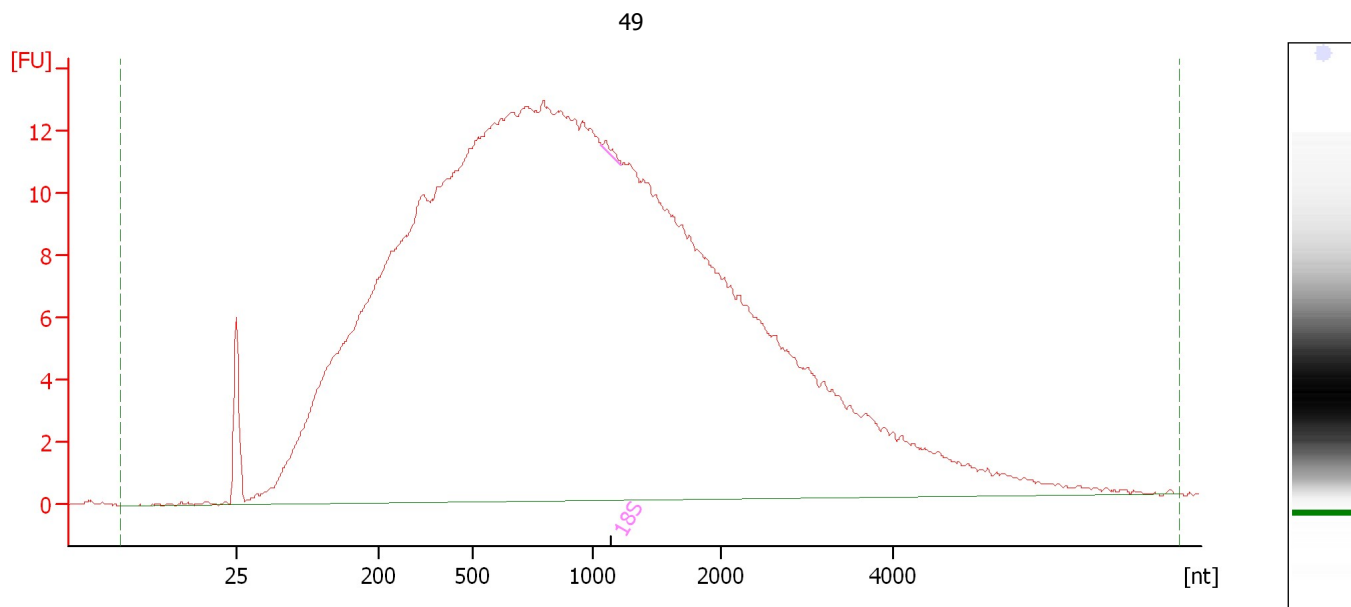
RNA Area: 708.3 RNA Integrity Number (RIN): 2 (B.02.07)
RNA Concentration: 1,463 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN:2

Fragment table for sample 8 : 48

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	1,870	0.4	0.1
28S	3,697	3,820	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 49**

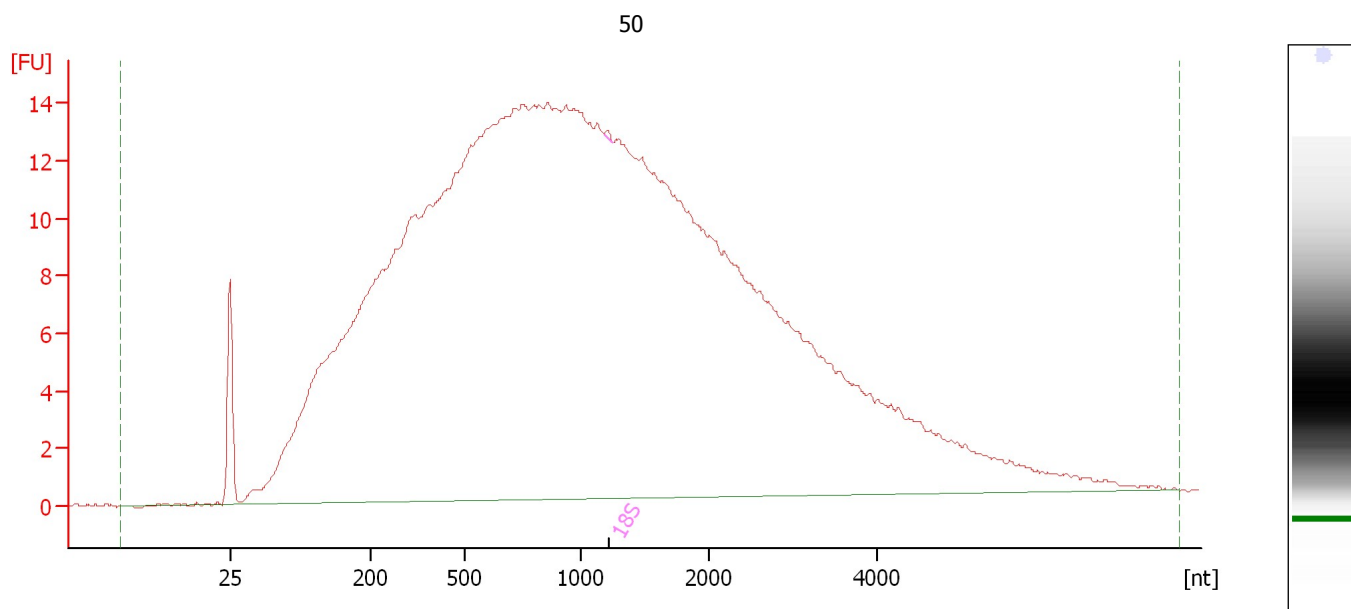
RNA Area:	582.0	RNA Integrity Number (RIN):	2.1 (B.02.07)
RNA Concentration:	1,202 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 9 : 49

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,077	1,225	0.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 50**

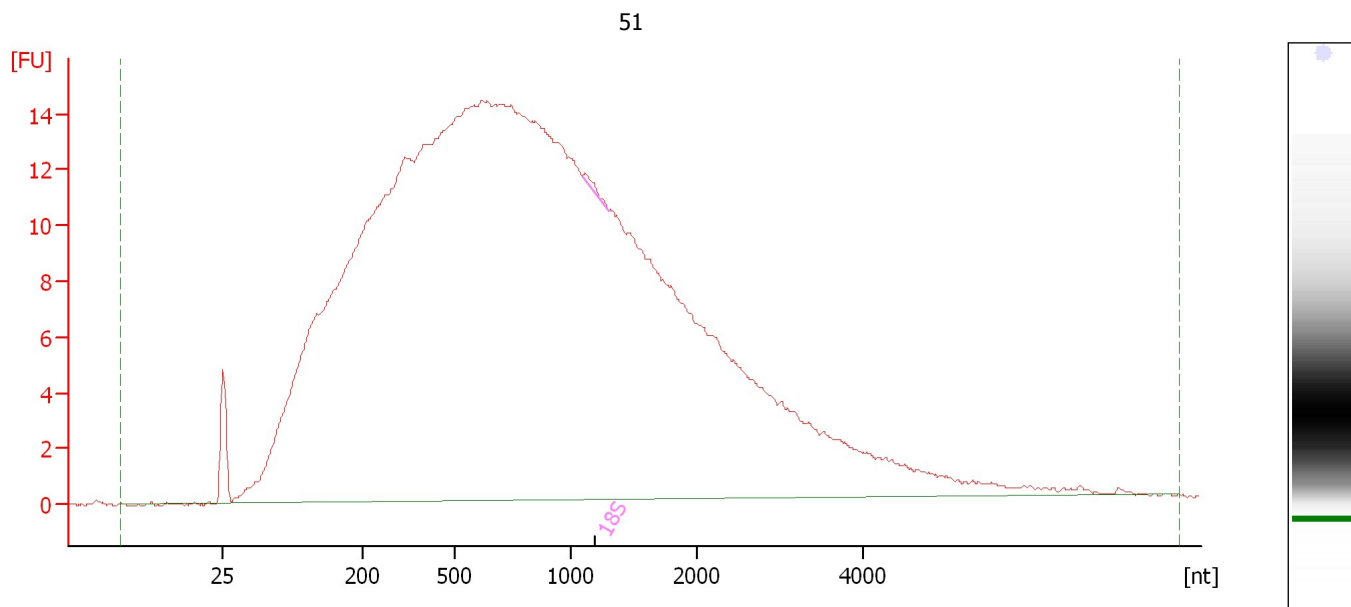
RNA Area:	665.1	RNA Integrity Number (RIN):	2.1 (B.02.07)
RNA Concentration:	1,374 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Fragment table for sample 10 : 50

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,178	1,245	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 51**

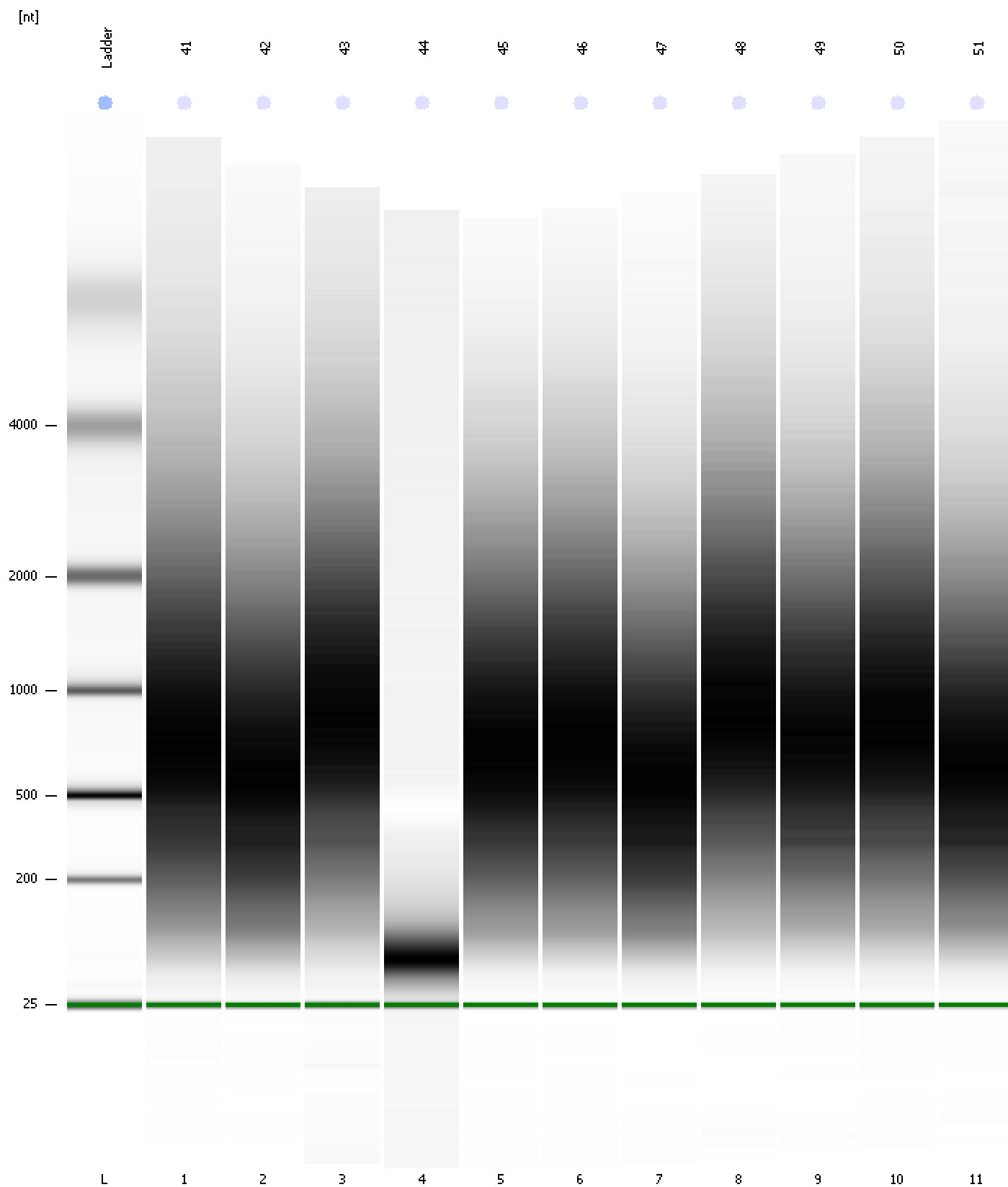
RNA Area:	644.0	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	1,331 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 11 : 51

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,096	1,299	0.5	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

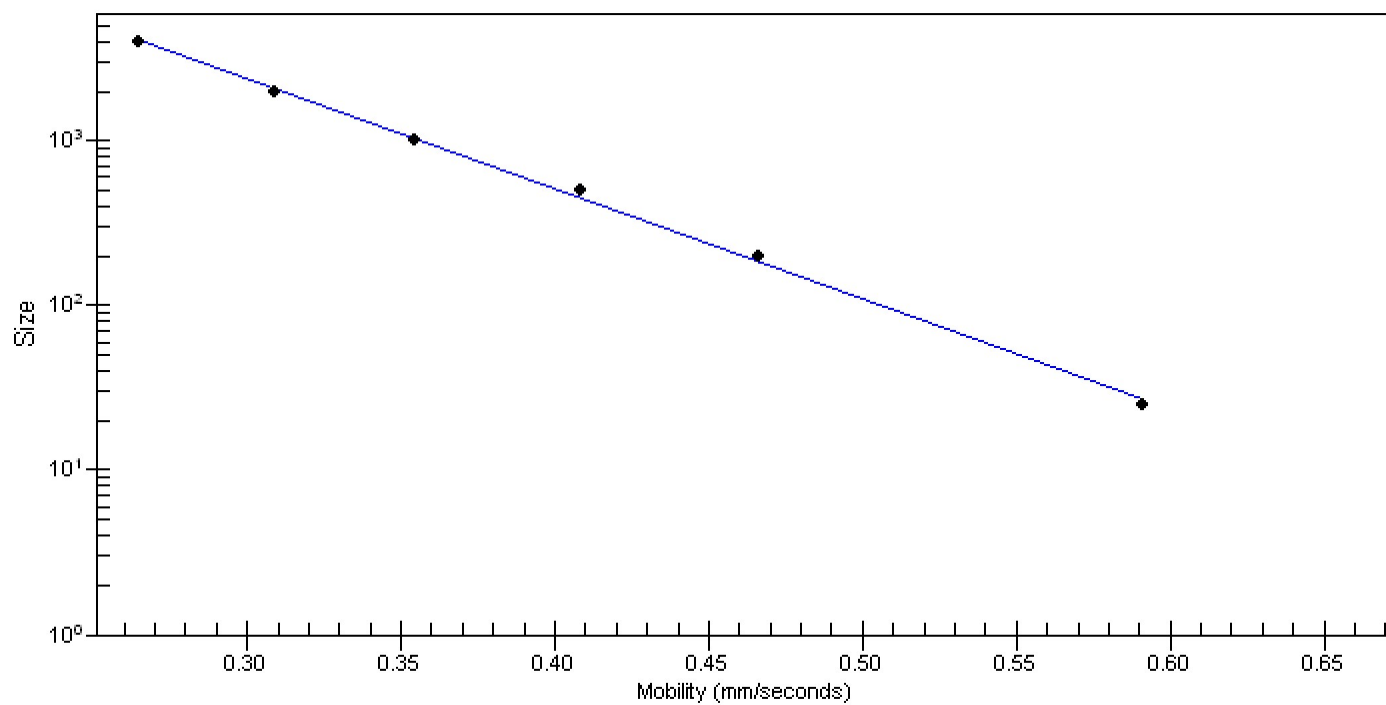
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad

Created: 12/9/2016 3:06:27 PM
Modified: 12/9/2016 3:29:25 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 12/9/2016 3:06:27 PM
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad Modified: 12/9/2016 3:29:25 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/9/2016 3:29:20 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-12-09\2100 expert_Eukaryote Total RNA Pico_DE72902486_2016-12-09_15-06-27.xad)		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		12/9/2016 3:06:34 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01