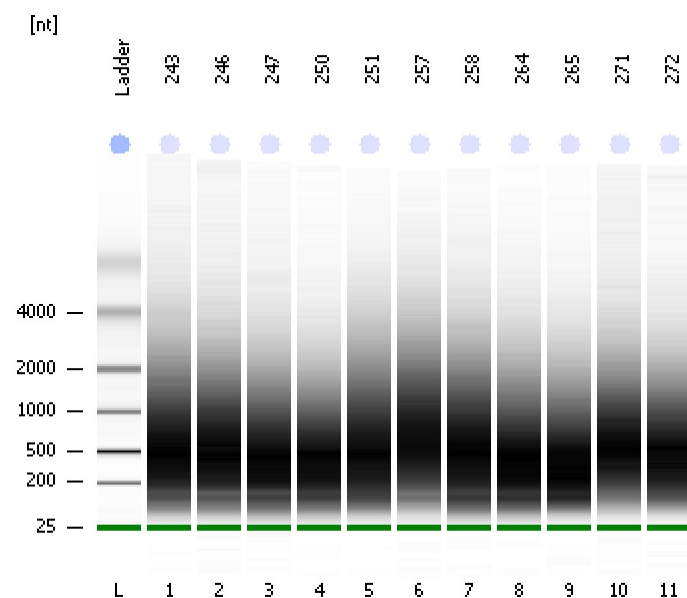


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 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)

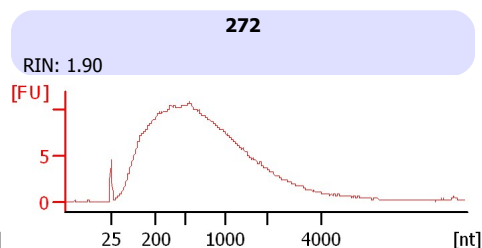
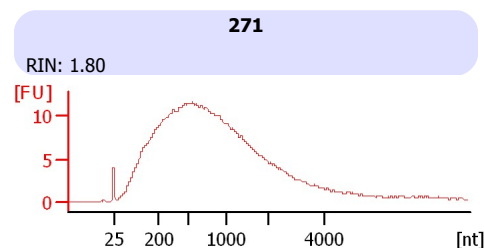
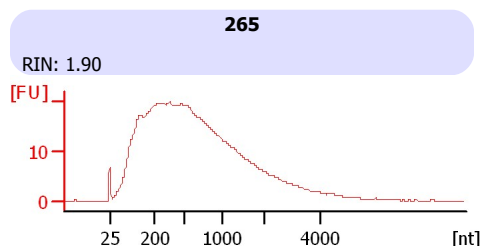
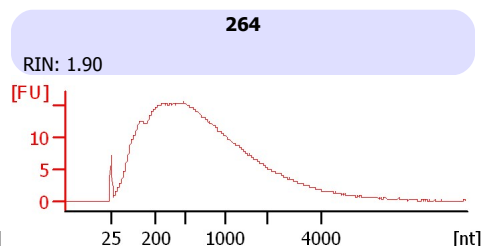
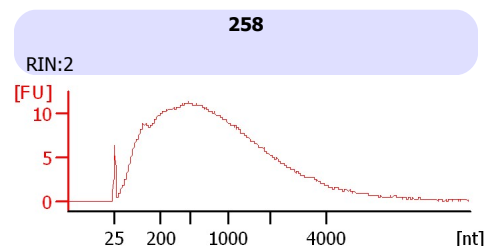
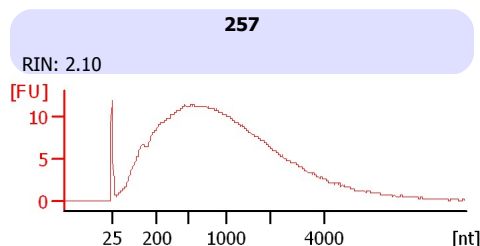
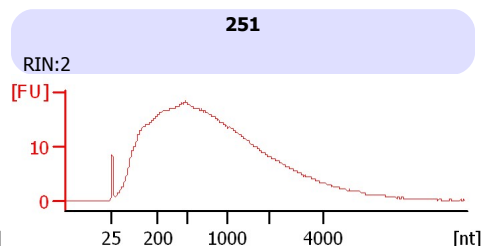
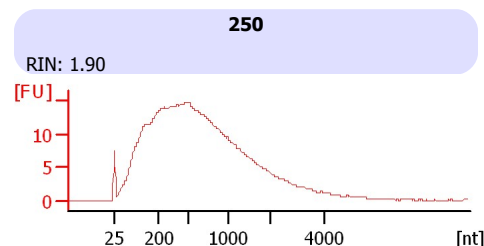
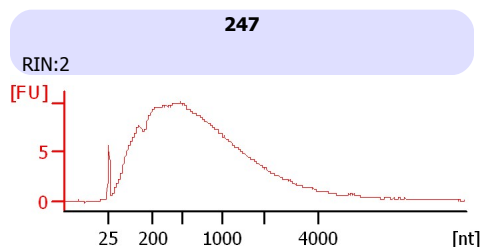
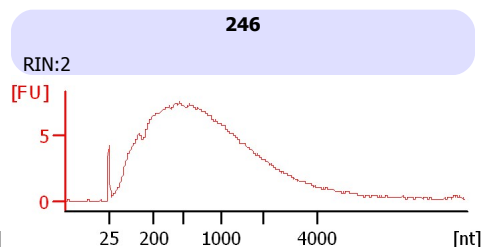
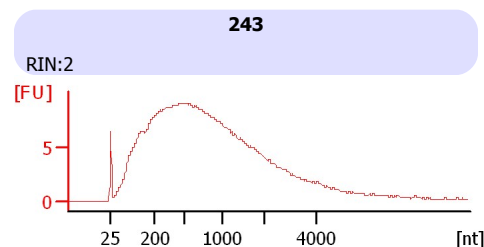
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
243		✓ RIN:2	
246		✓ RIN:2	
247		✓ RIN:2	
250		✓ RIN: 1.90	
251		✓ RIN:2	
257		✓ RIN: 2.10	
258		✓ RIN:2	
264		✓ RIN: 1.90	
265		✓ RIN: 1.90	
271		✓ RIN: 1.80	
272		✓ RIN: 1.90	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 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/ 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

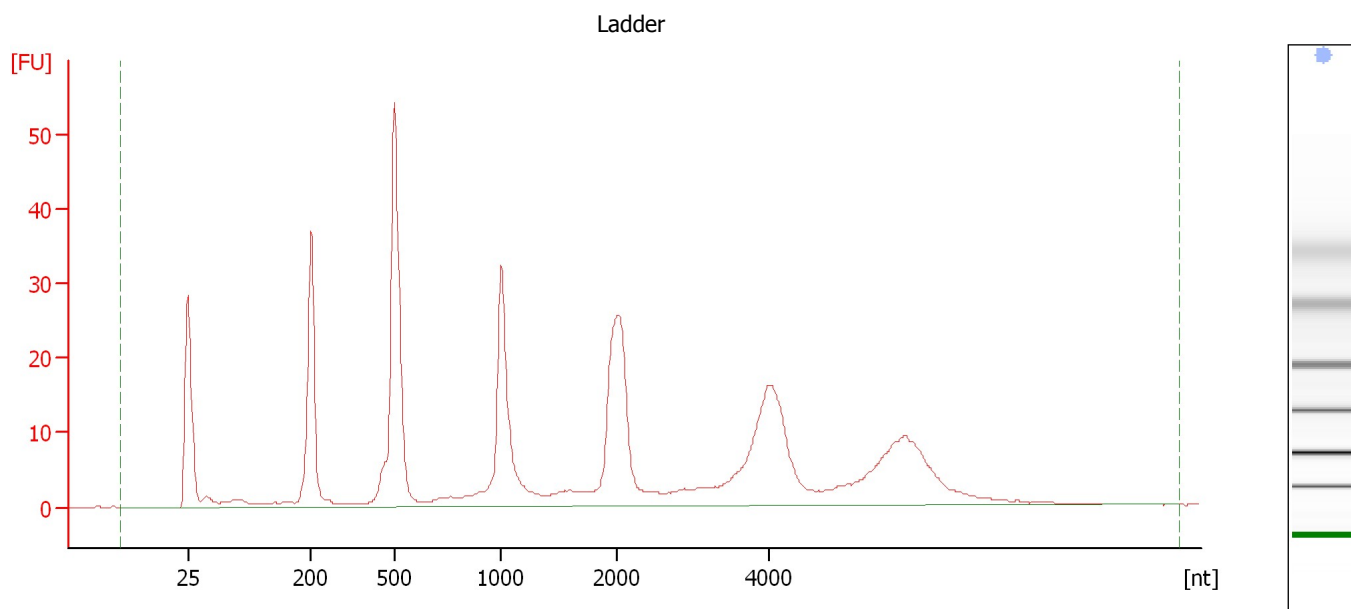
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 435.1

Result Flagging Color:



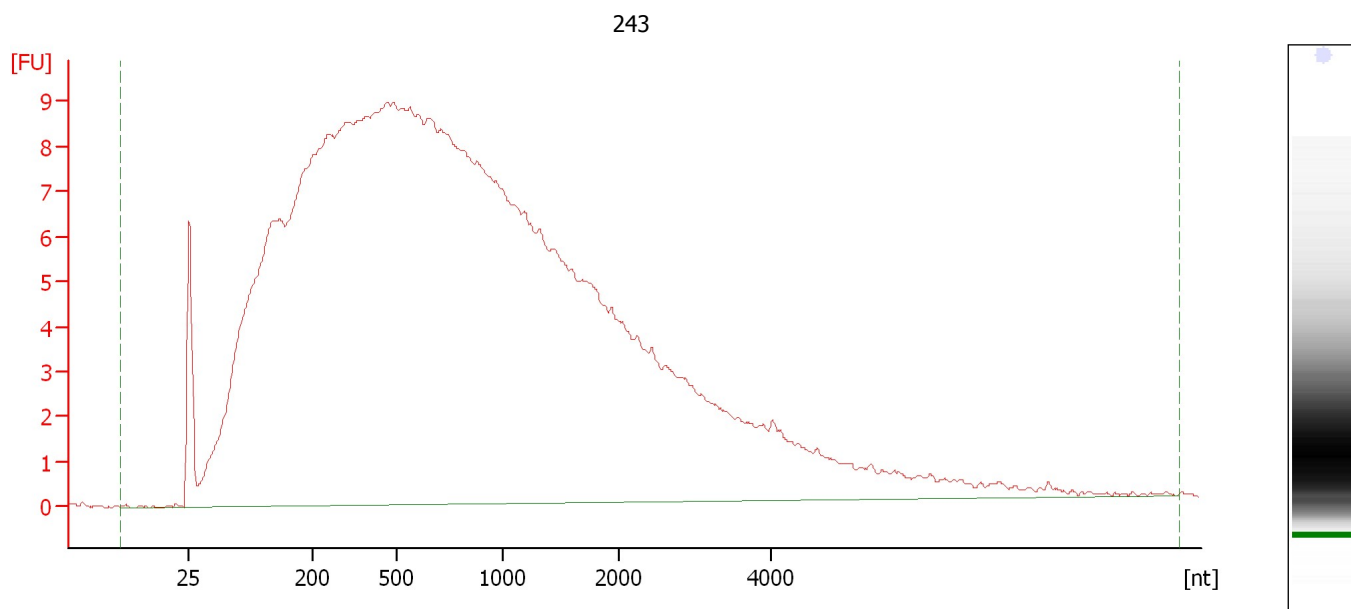
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

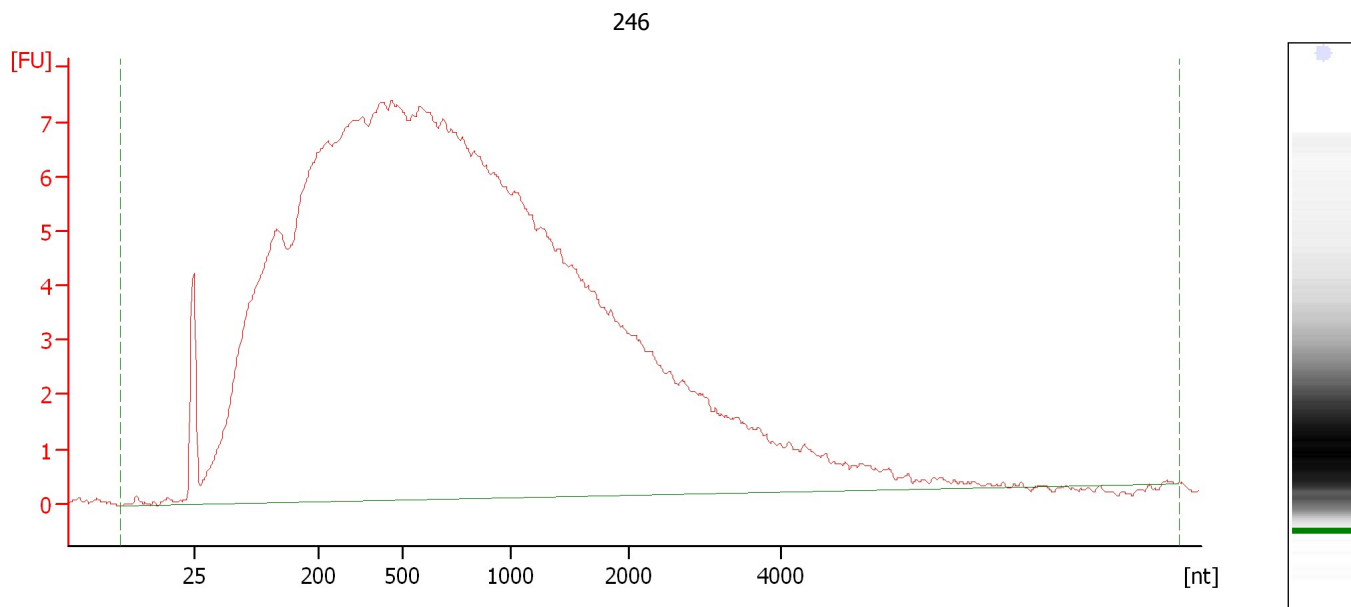
Electropherogram Summary Continued ...**Overall Results for sample 1 : 243**

RNA Area: 444.6
RNA Concentration: 1,022 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_2016-12-12_18-05-35.xad

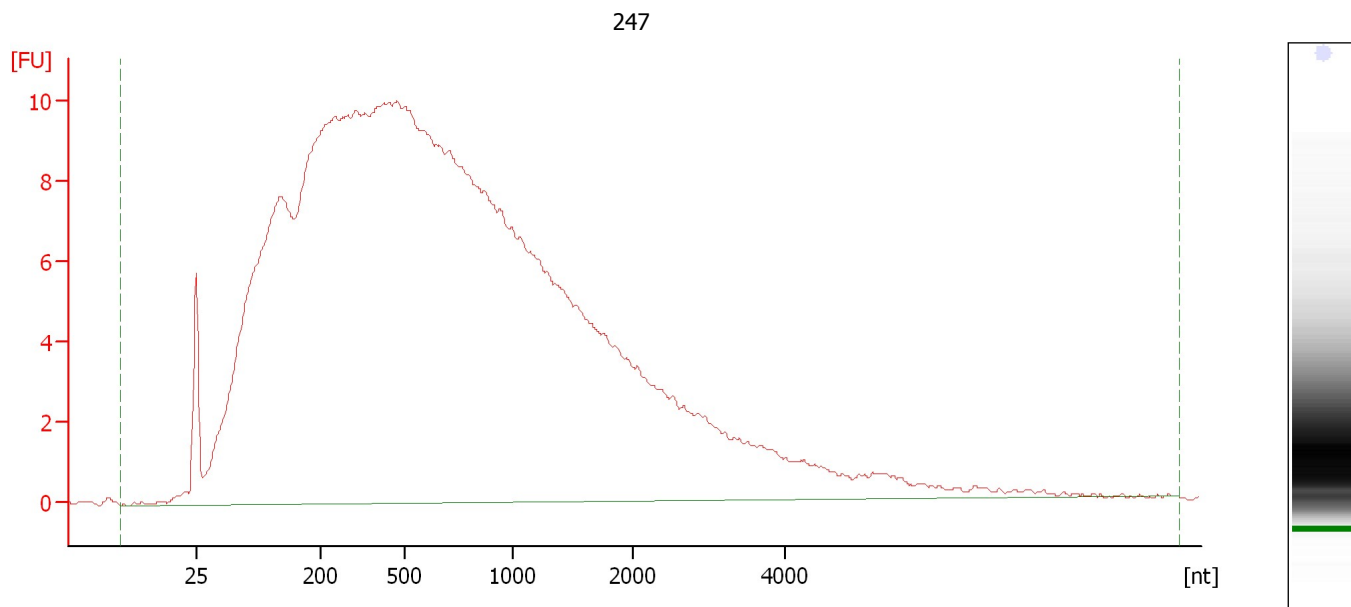
Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 246**

RNA Area:	352.9	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	811 pg/μl	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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

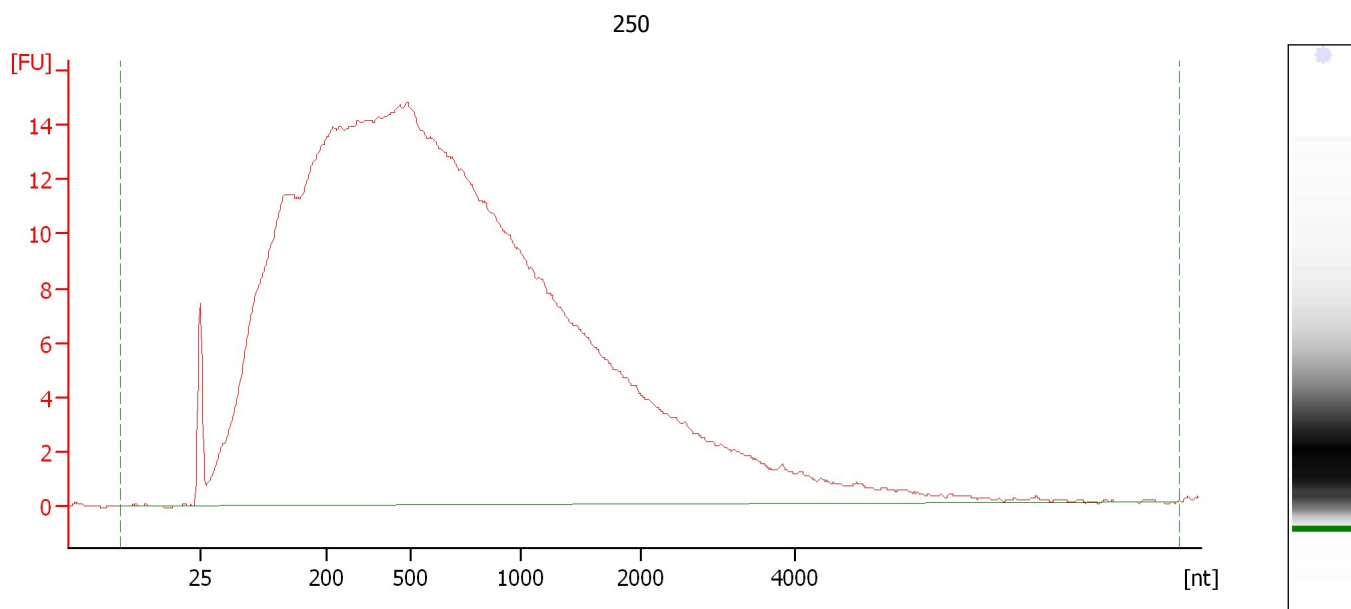
Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 247**

RNA Area:	470.6	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	1,082 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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

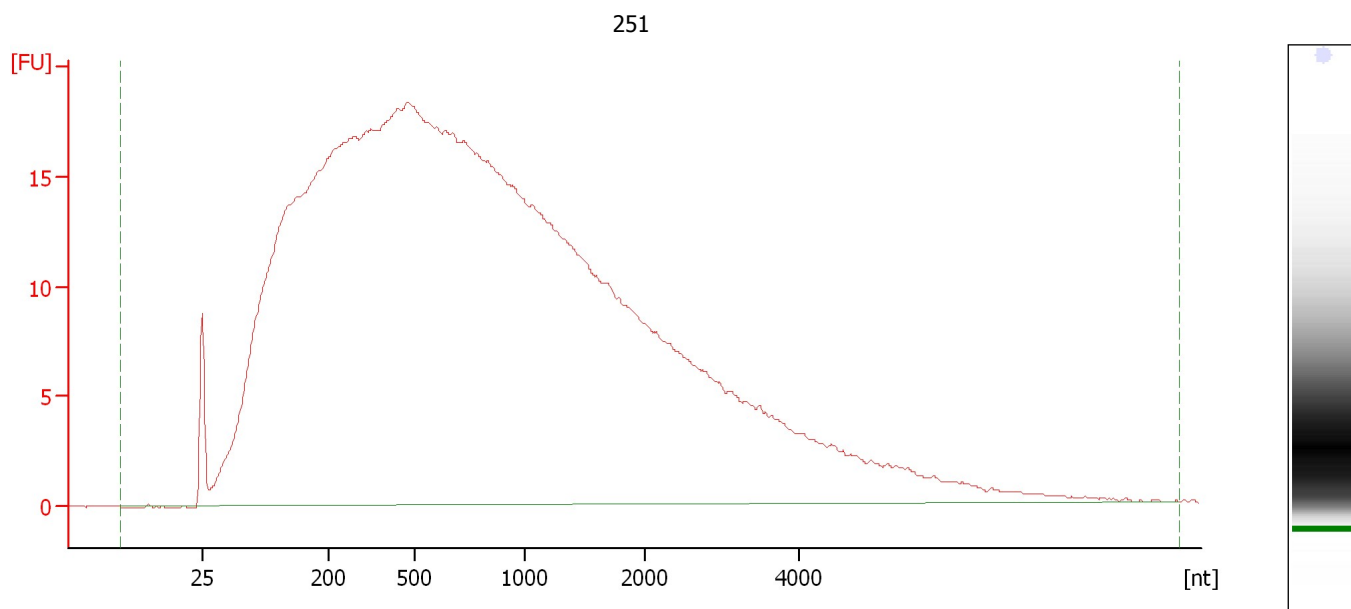
Electropherogram Summary Continued ...**Overall Results for sample 4 : 250**

RNA Area: 650.7
RNA Concentration: 1,496 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_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

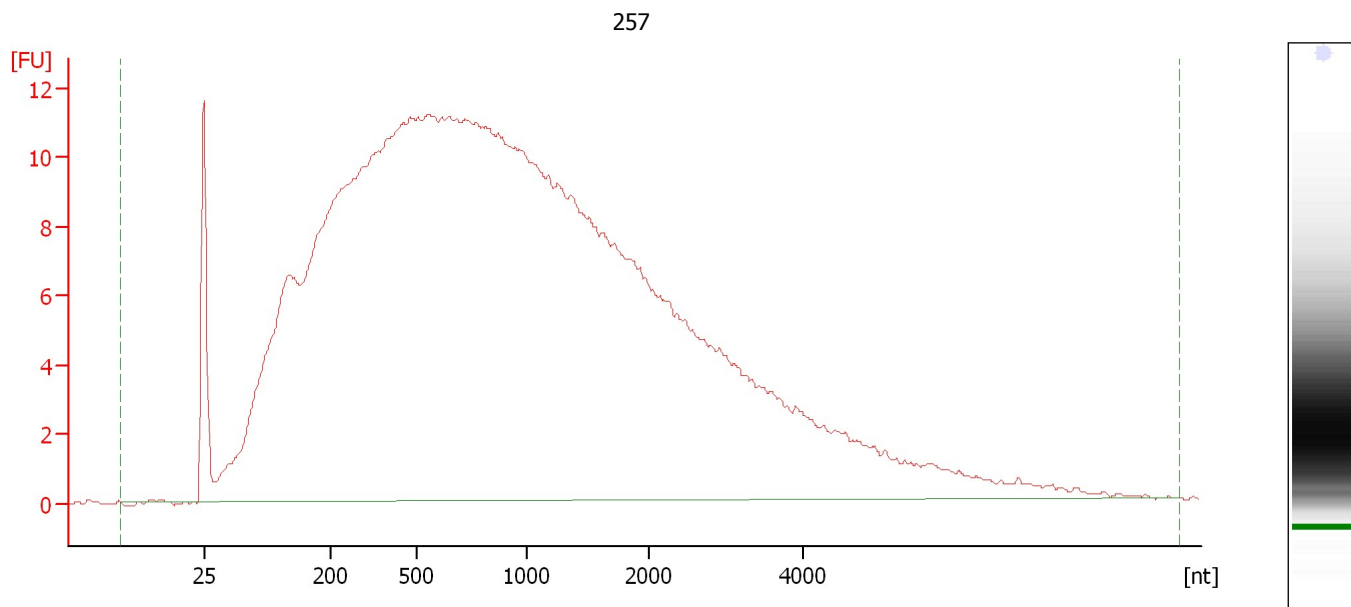
Electropherogram Summary Continued ...**Overall Results for sample 5 : 251**

RNA Area: 915.2
RNA Concentration: 2,104 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_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

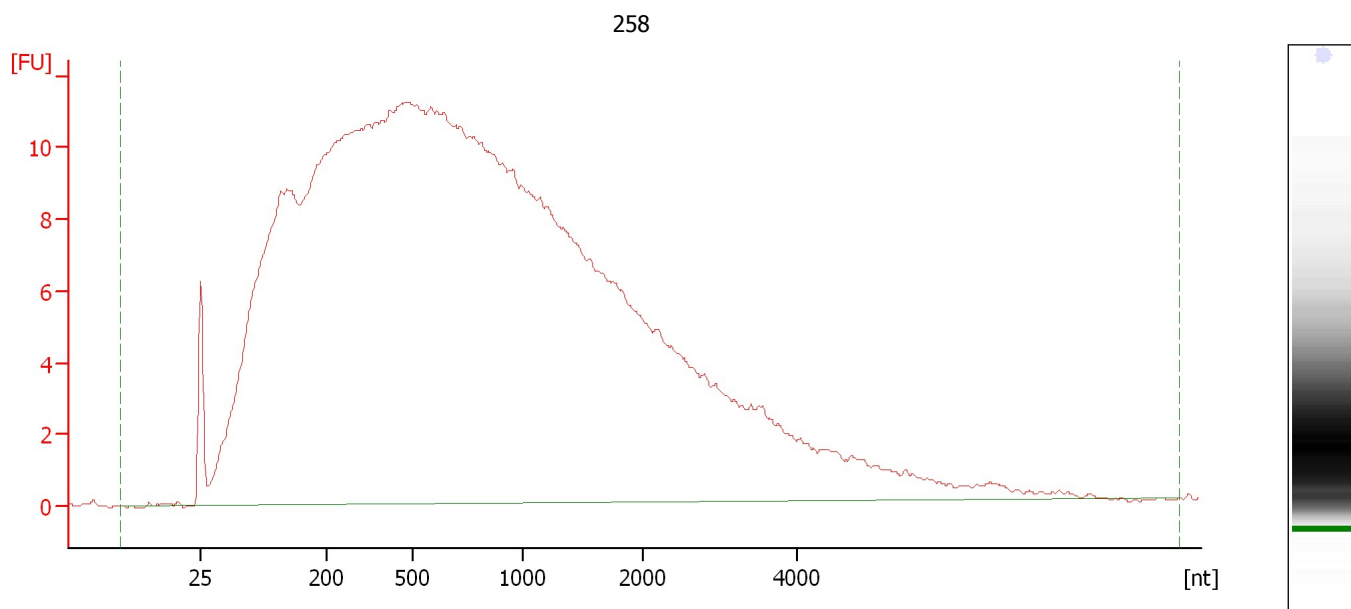
Electropherogram Summary Continued ...**Overall Results for sample 6 : 257**

RNA Area: 570.8
RNA Concentration: 1,312 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_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

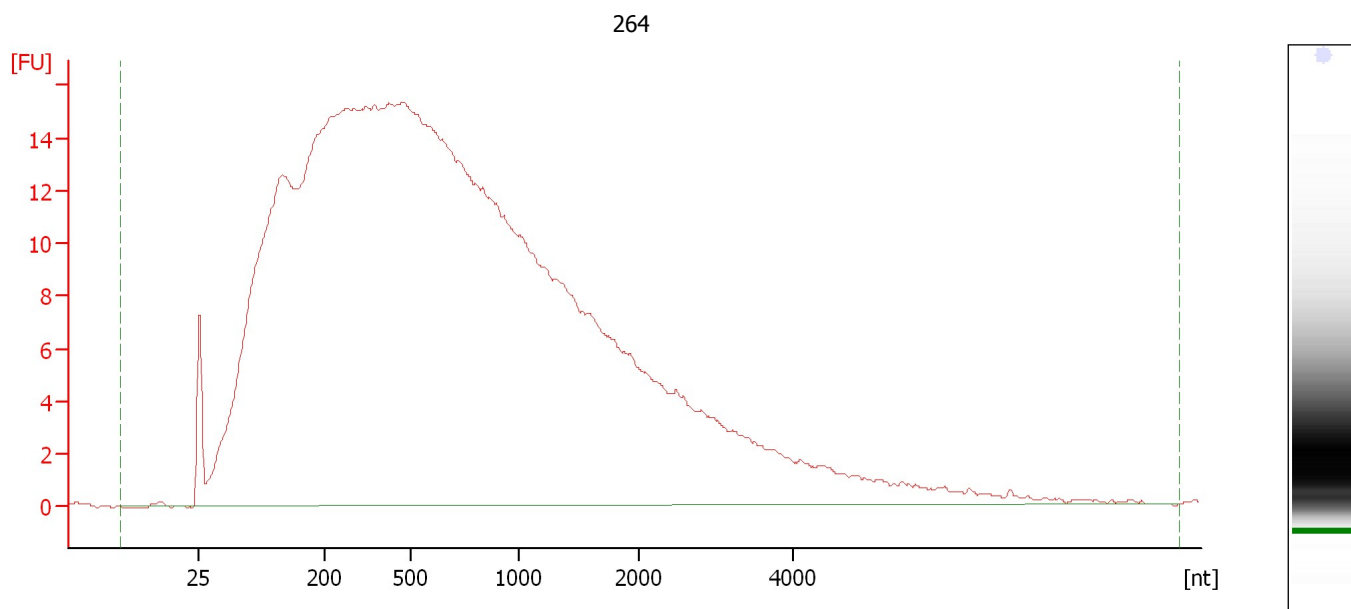
Electropherogram Summary Continued ...**Overall Results for sample 7 : 258**

RNA Area: 573.4
RNA Concentration: 1,318 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_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

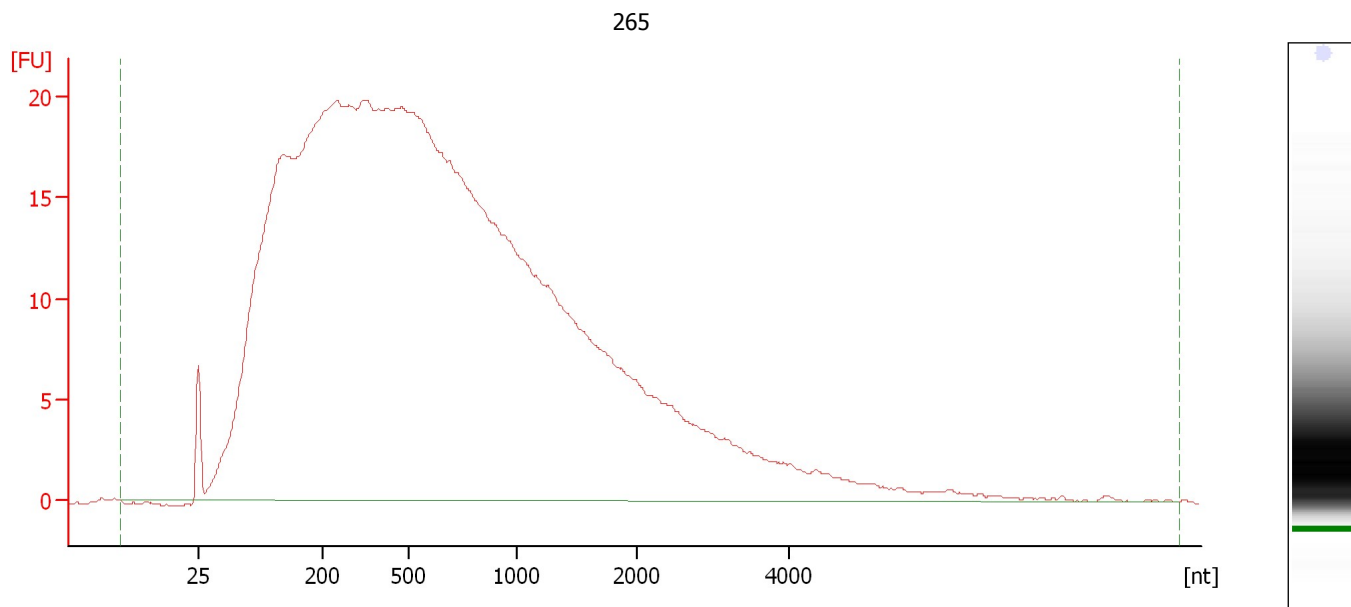
Electropherogram Summary Continued ...**Overall Results for sample 8 : 264**

RNA Area: 735.0
RNA Concentration: 1,689 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_2016-12-12_18-05-35.xad

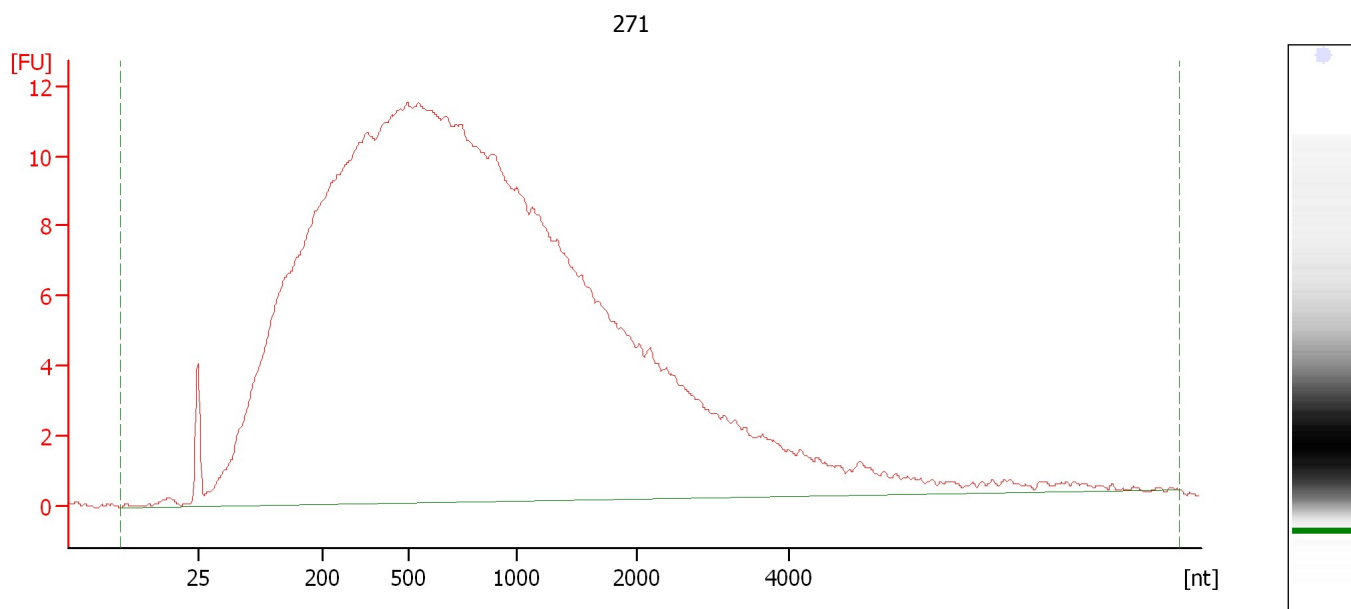
Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 265**

RNA Area:	906.5	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	2,084 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: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

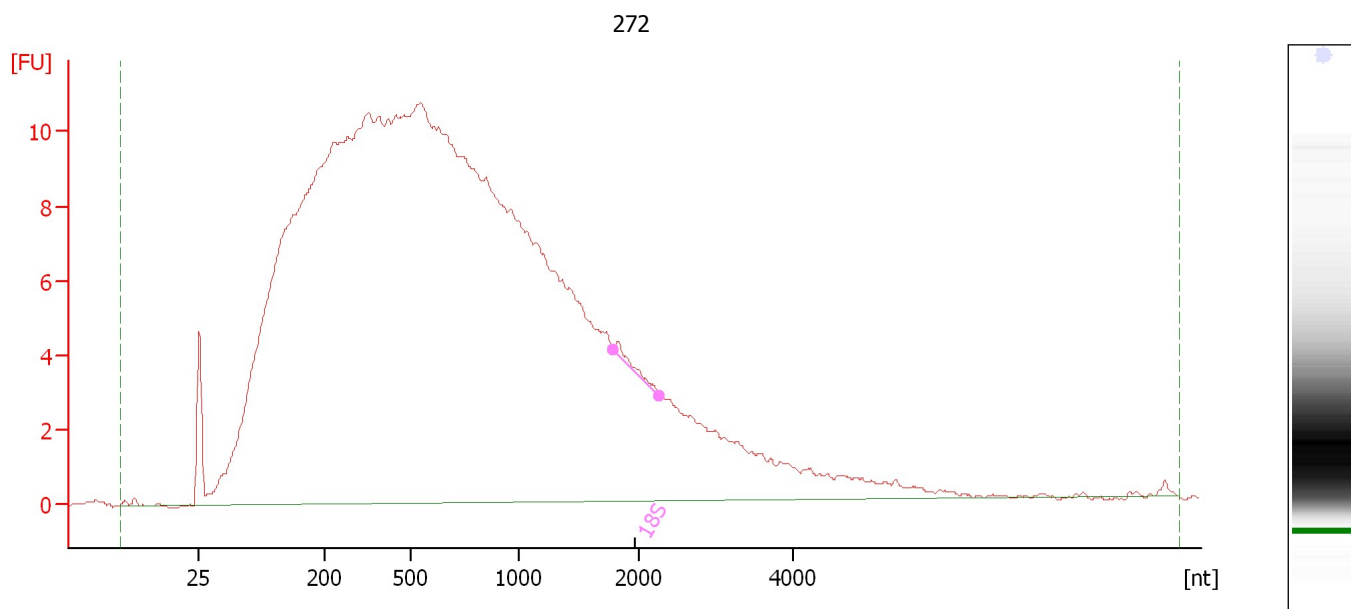
Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 271**

RNA Area:	516.9	RNA Integrity Number (RIN):	1.8 (B.02.07)
RNA Concentration:	1,188 pg/μl	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: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 272**

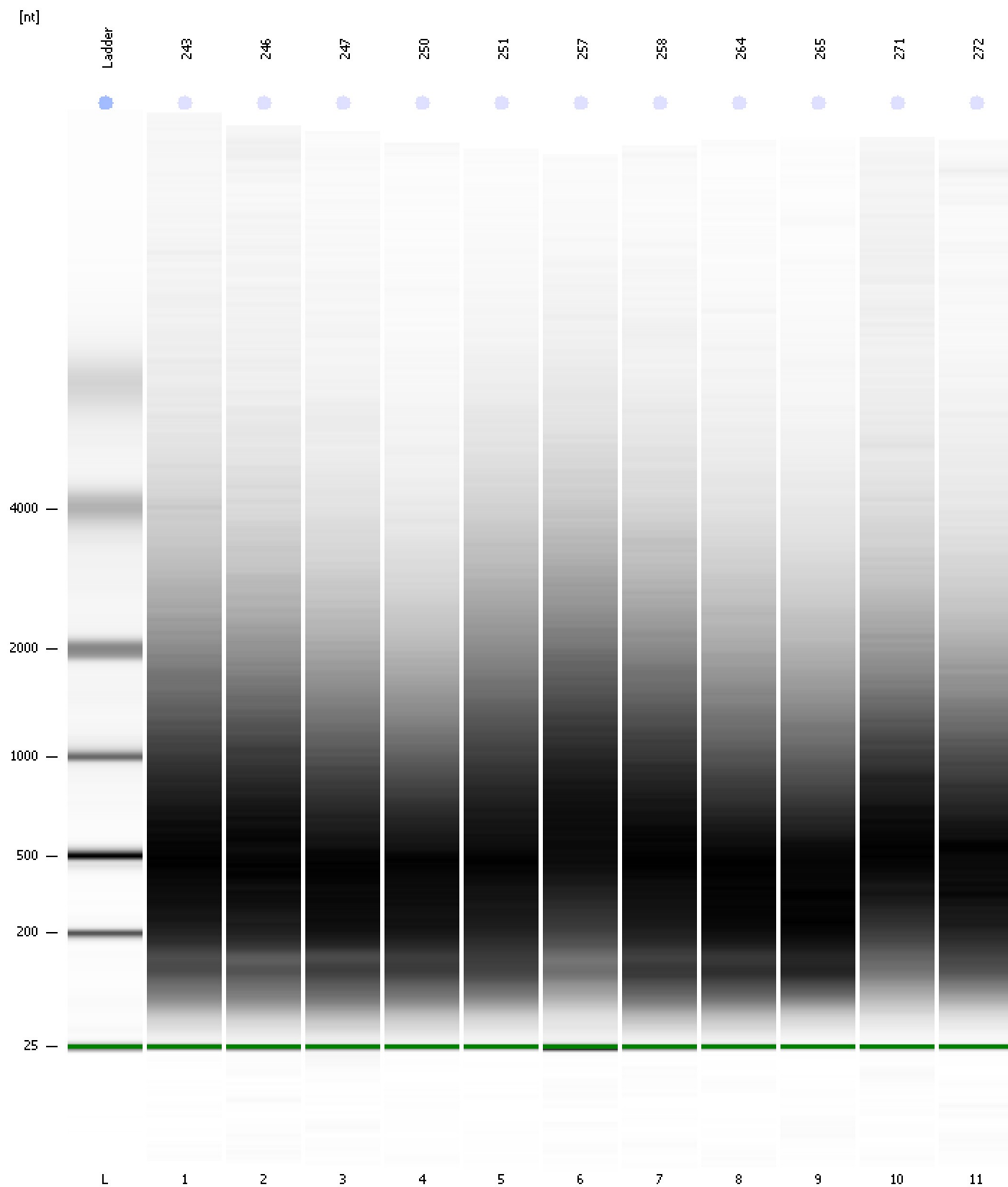
RNA Area:	472.7	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	1,087 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Fragment table for sample 11 : 272

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,785	2,279	0.7	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

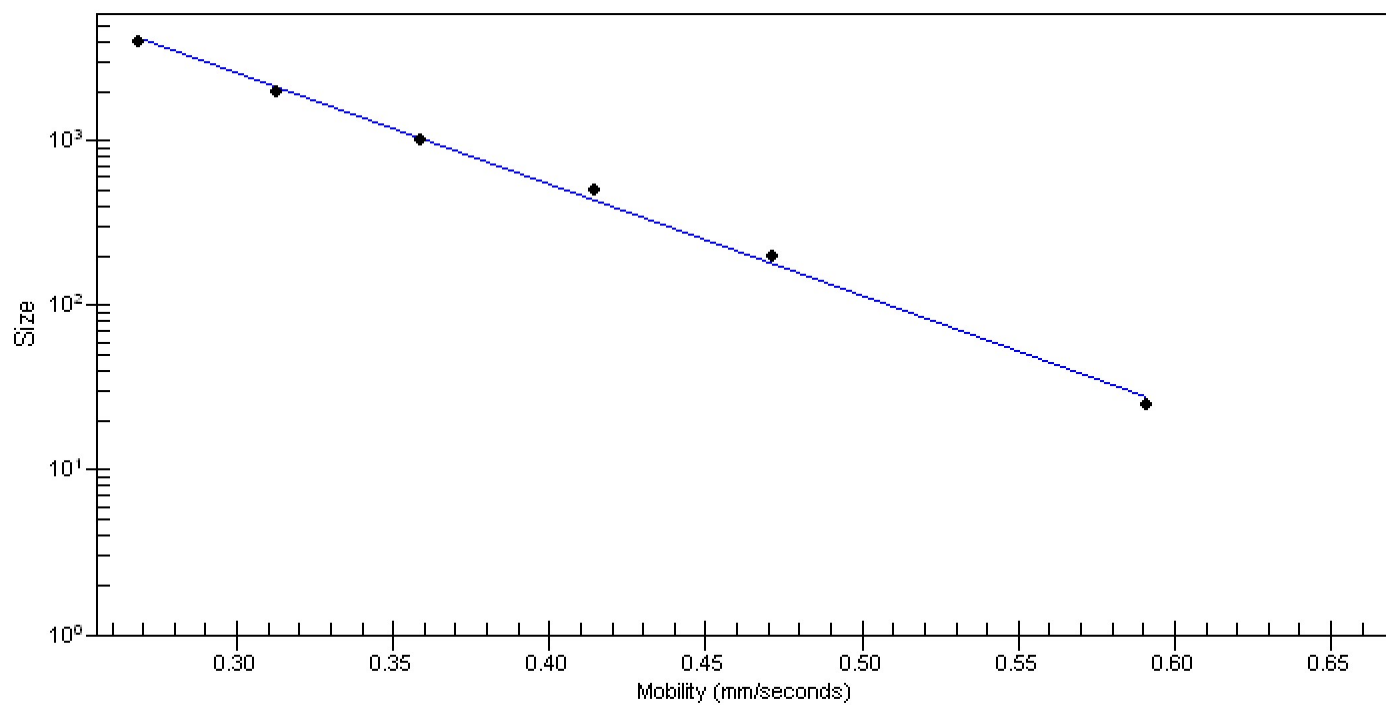
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
Modified: 12/12/2016 6:28:34 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad

Created: 12/12/2016 6:05:35 PM
 Modified: 12/12/2016 6:28:34 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		12/12/2016 6:28:28 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-12-12\2100 expert_Eukaryote Total RNA Pico_DE72902486_2016-12-12_18-05-35.xad)		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		12/12/2016 6:05:41 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01