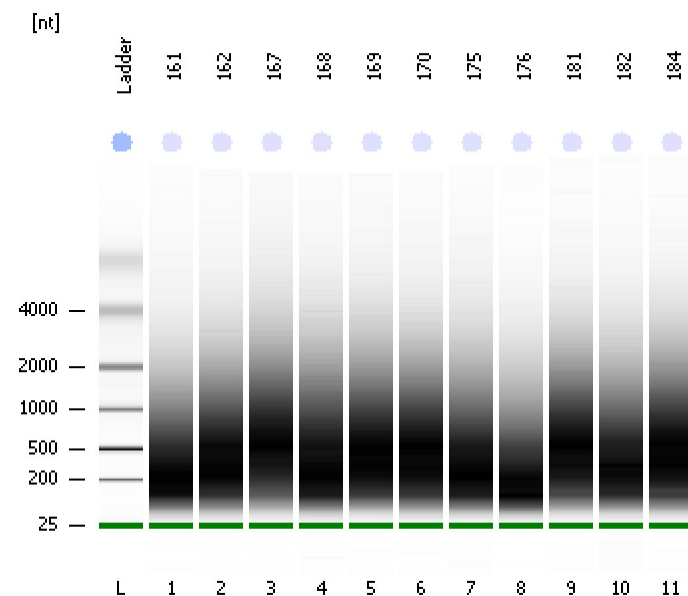


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 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)

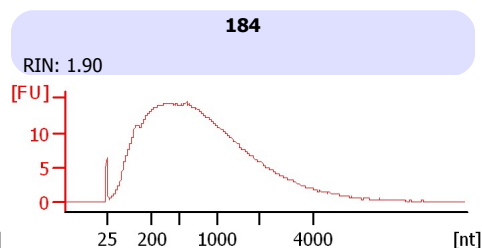
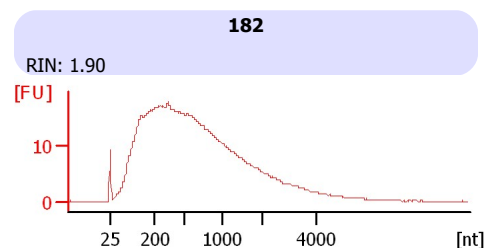
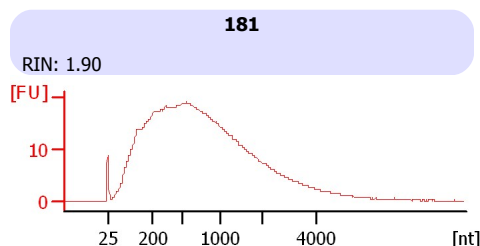
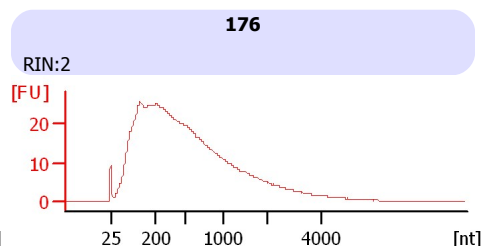
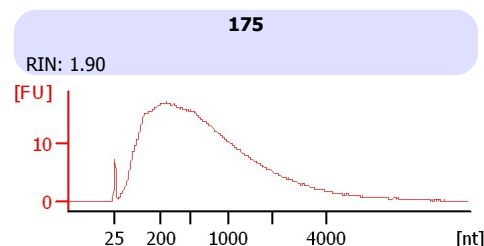
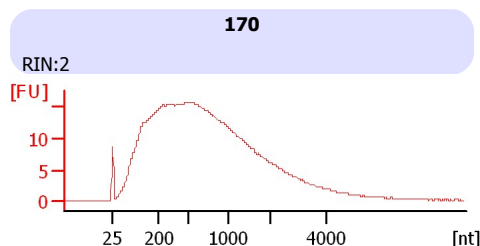
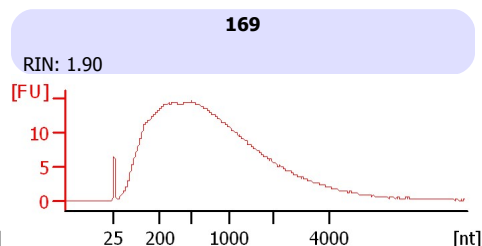
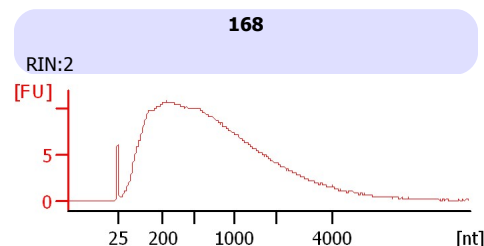
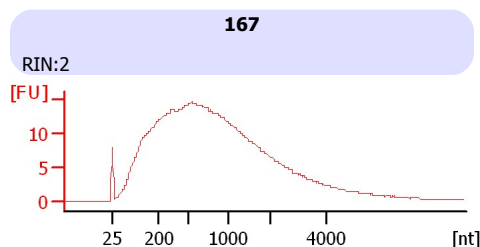
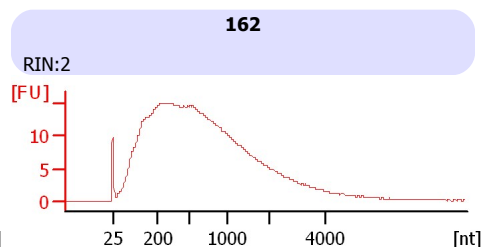
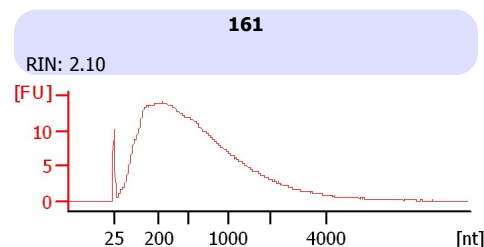
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
161		✓ RIN: 2.10	
162		✓ RIN:2	
167		✓ RIN:2	
168		✓ RIN:2	
169		✓ RIN: 1.90	
170		✓ RIN:2	
175		✓ RIN: 1.90	
176		✓ RIN:2	
181		✓ RIN: 1.90	
182		✓ RIN: 1.90	
184		✓ RIN: 1.90	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 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

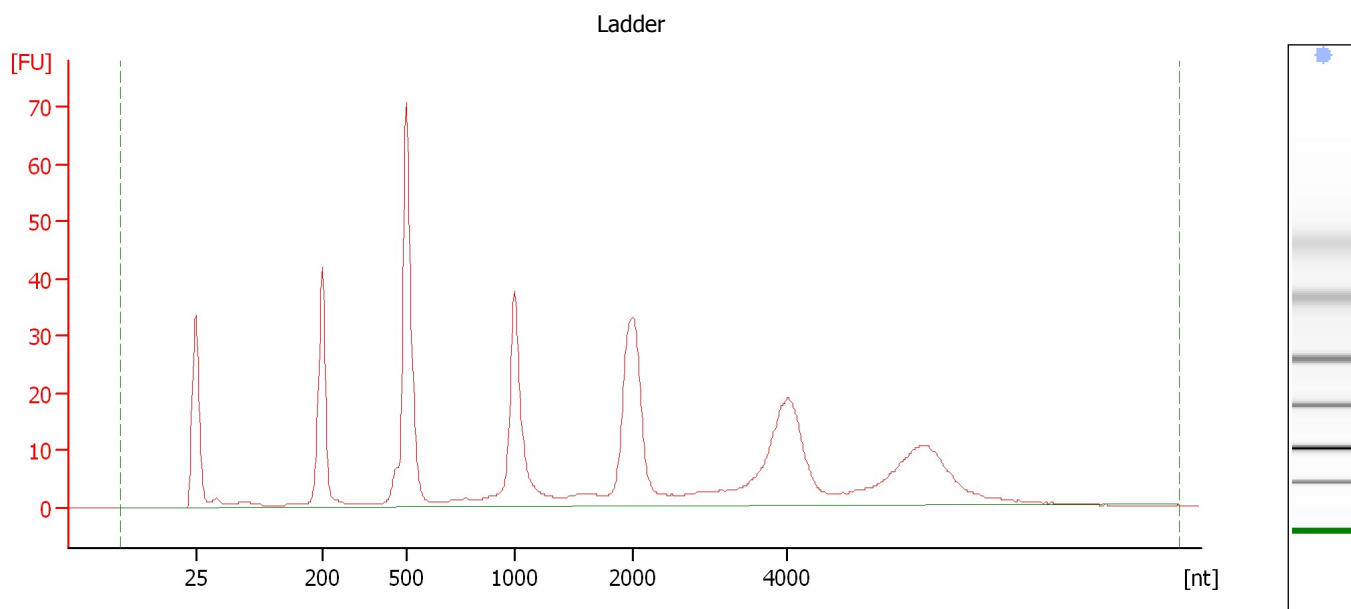
Ladder

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_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 507.1

Result Flagging Color:



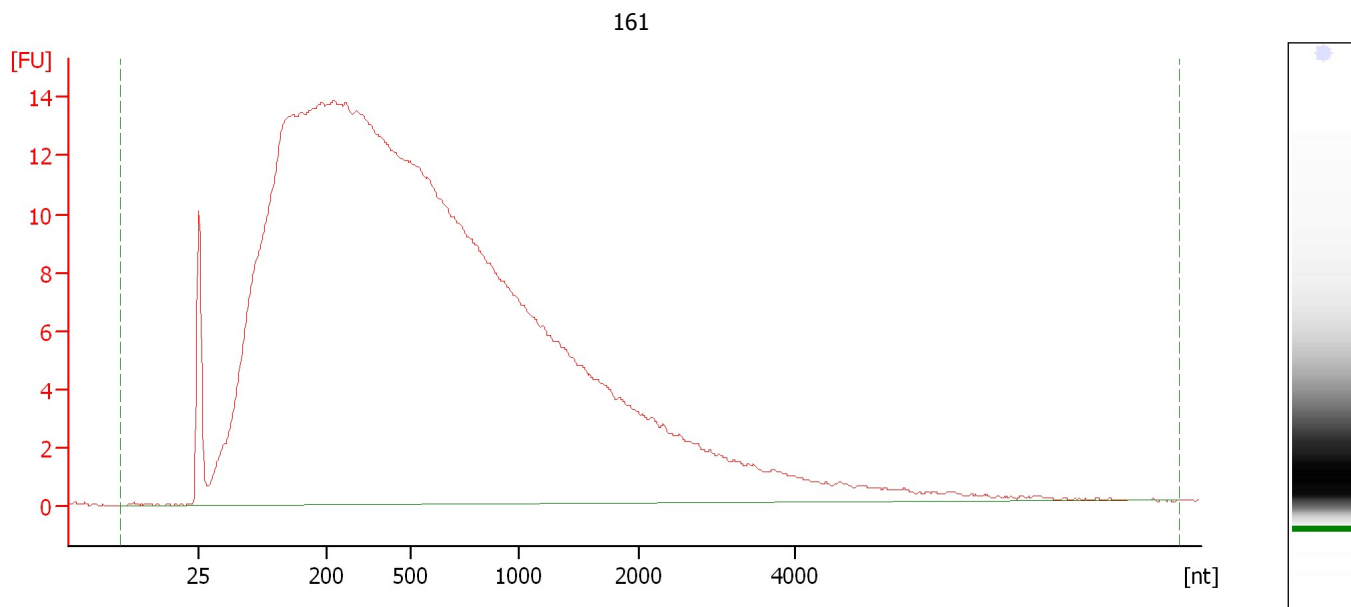
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

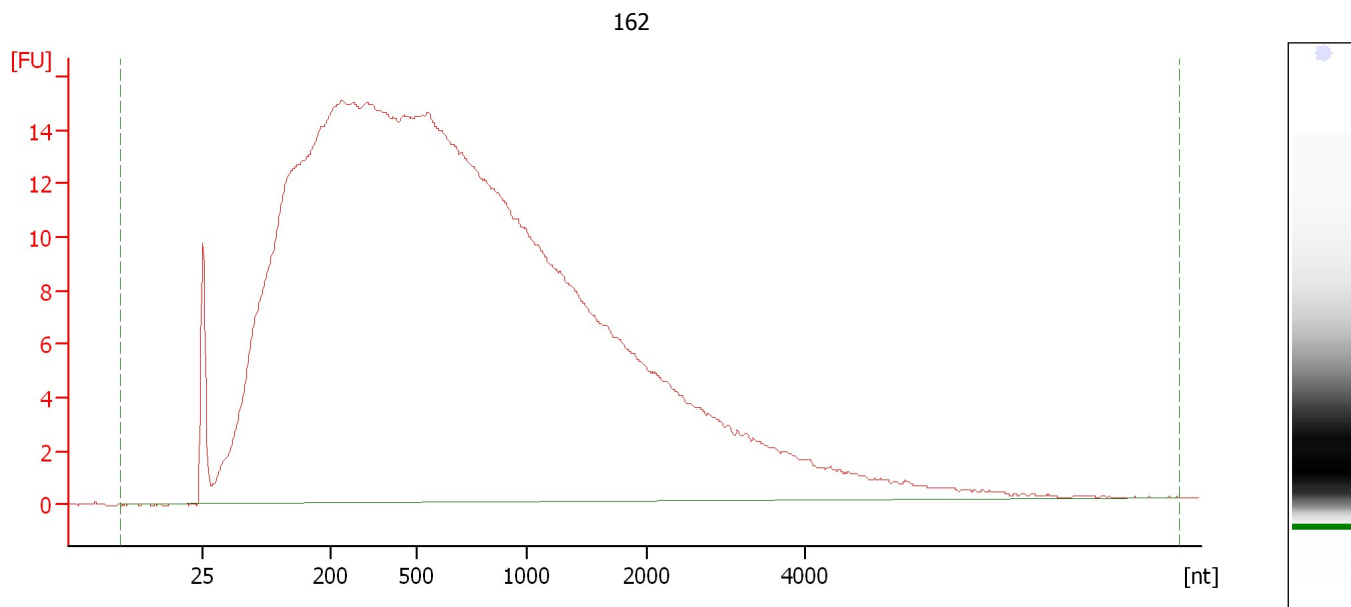
Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electropherogram Summary Continued ...**Overall Results for sample 1 : 161**

RNA Area:	582.7	RNA Integrity Number (RIN):	2.1 (B.02.07)
RNA Concentration:	1,149 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

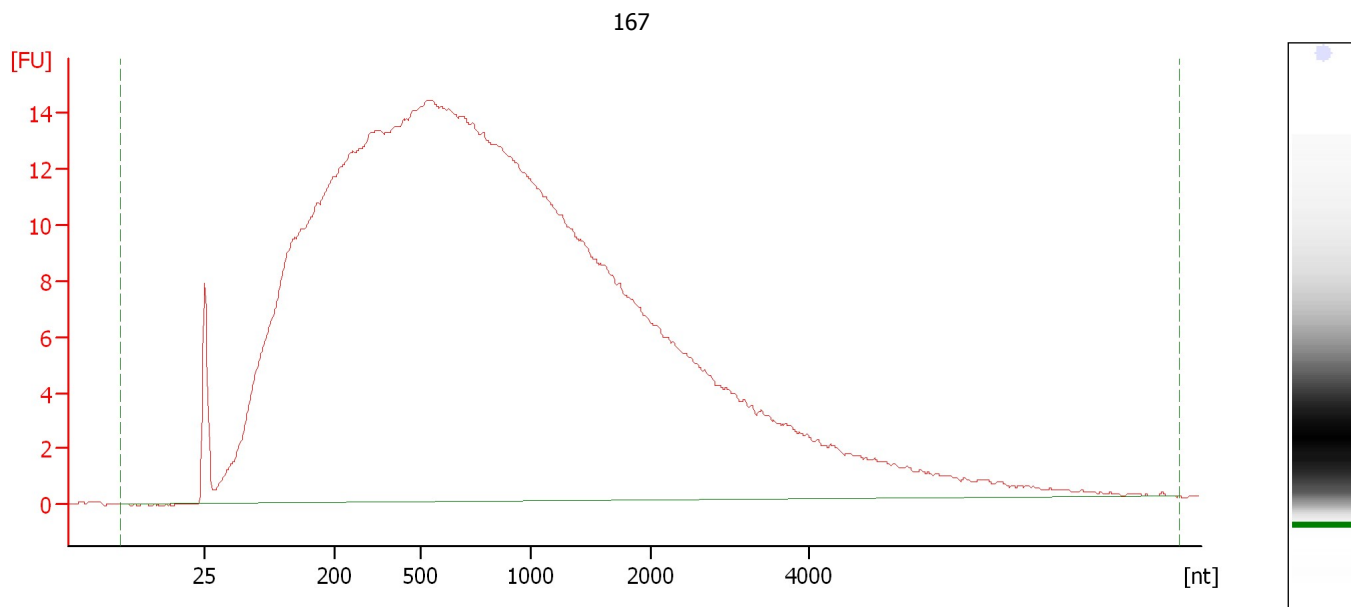
Electropherogram Summary Continued ...**Overall Results for sample 2 : 162**

RNA Area: 701.5
RNA Concentration: 1,383 pg/ μ l
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_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

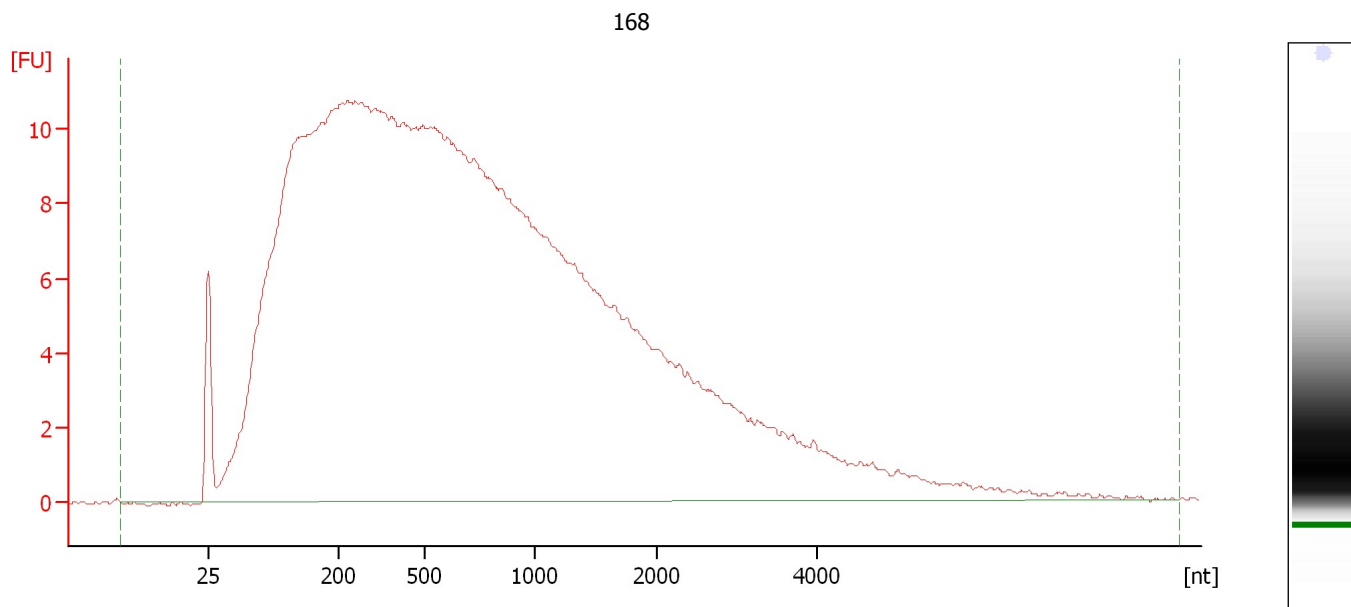
Electropherogram Summary Continued ...**Overall Results for sample 3 : 167**

RNA Area: 697.3
RNA Concentration: 1,375 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_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

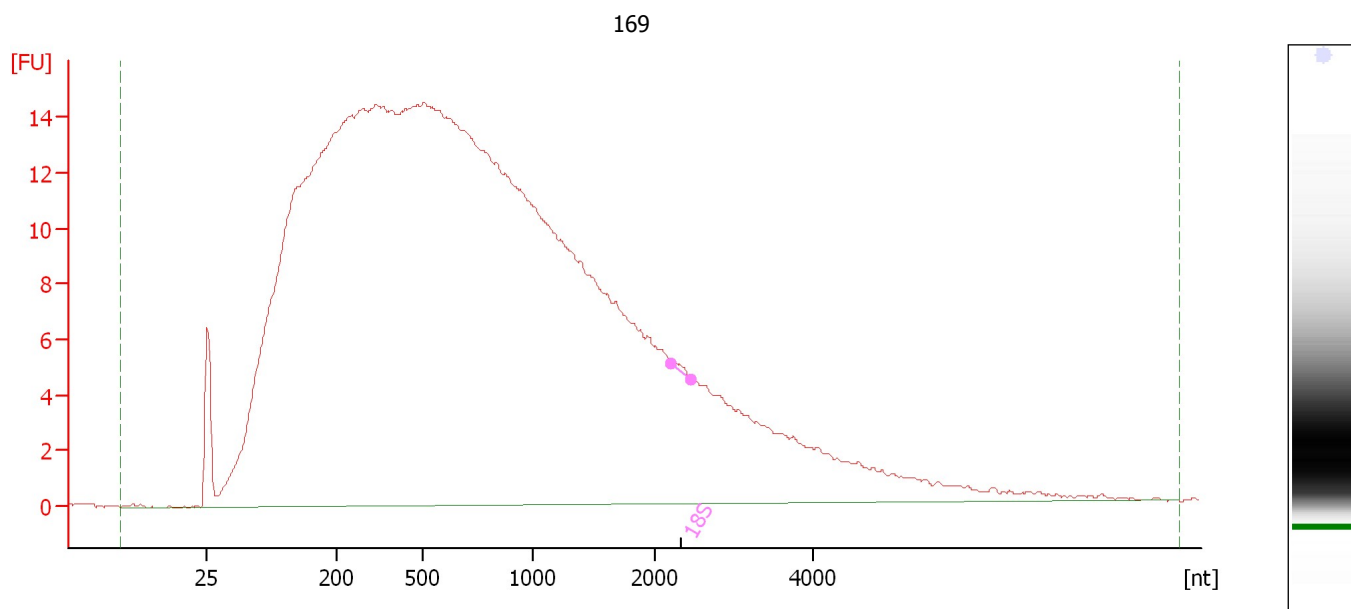
Electropherogram Summary Continued ...**Overall Results for sample 4 : 168**

RNA Area: 522.1
RNA Concentration: 1,030 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_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : 169**

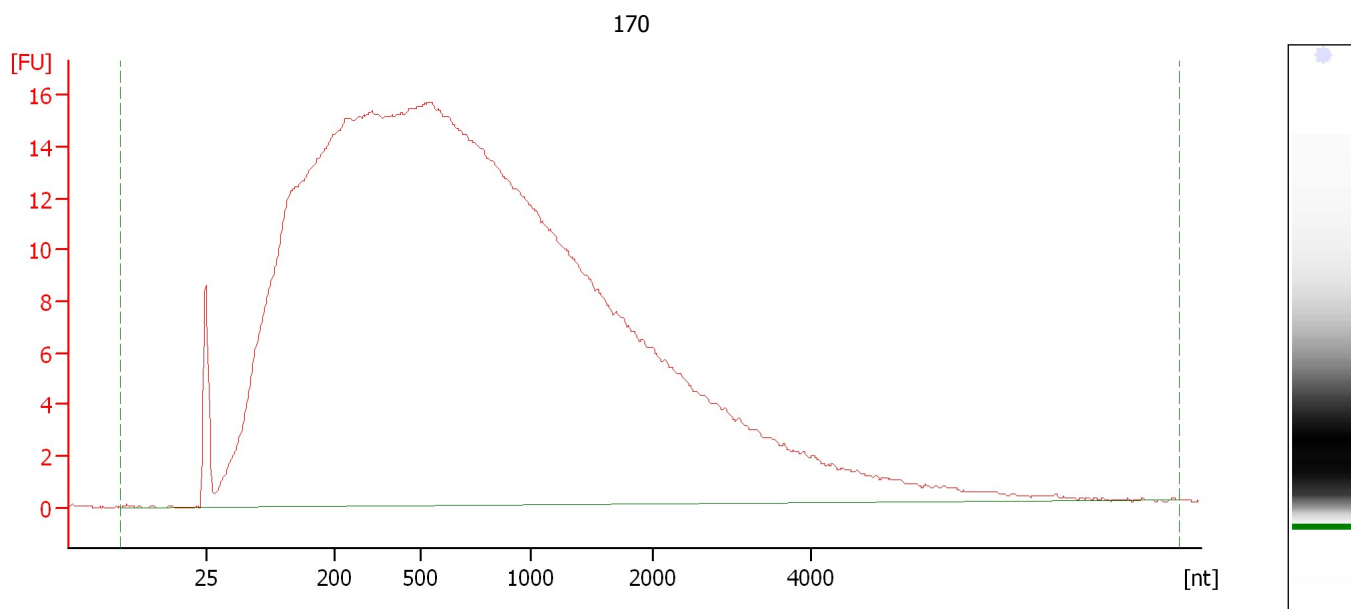
RNA Area:	702.5	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	1,385 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Fragment table for sample 5 : 169

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,191	2,447	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

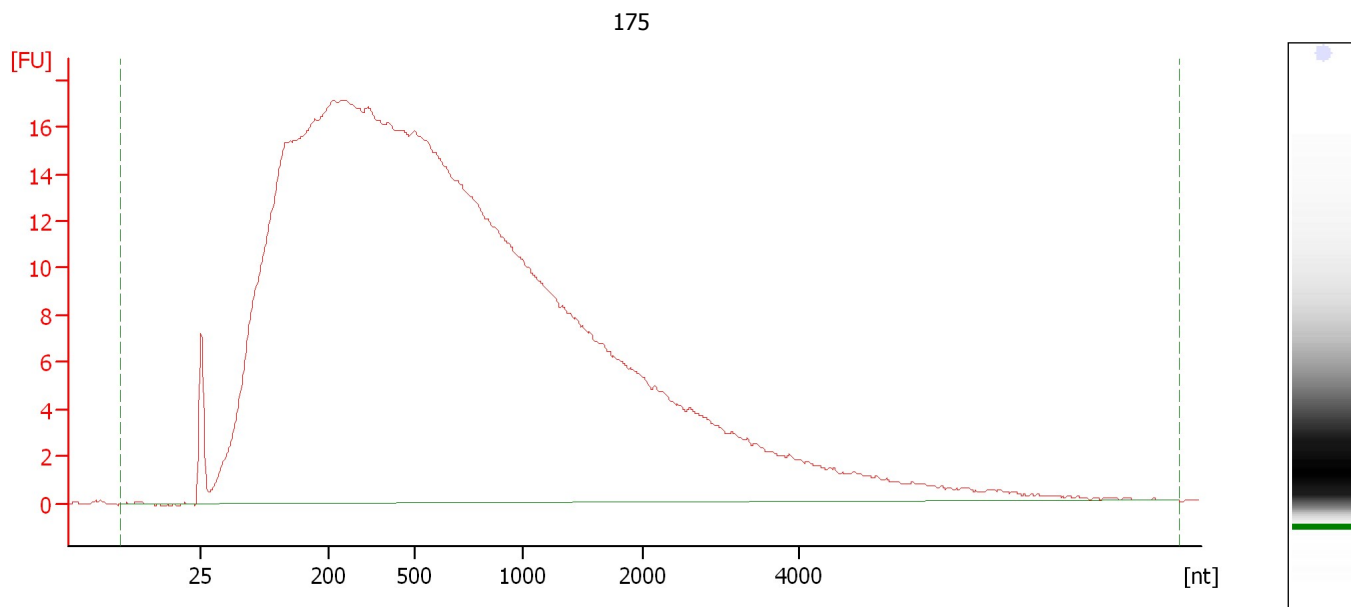
Electropherogram Summary Continued ...**Overall Results for sample 6 : 170**

RNA Area: 751.2
RNA Concentration: 1,481 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_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

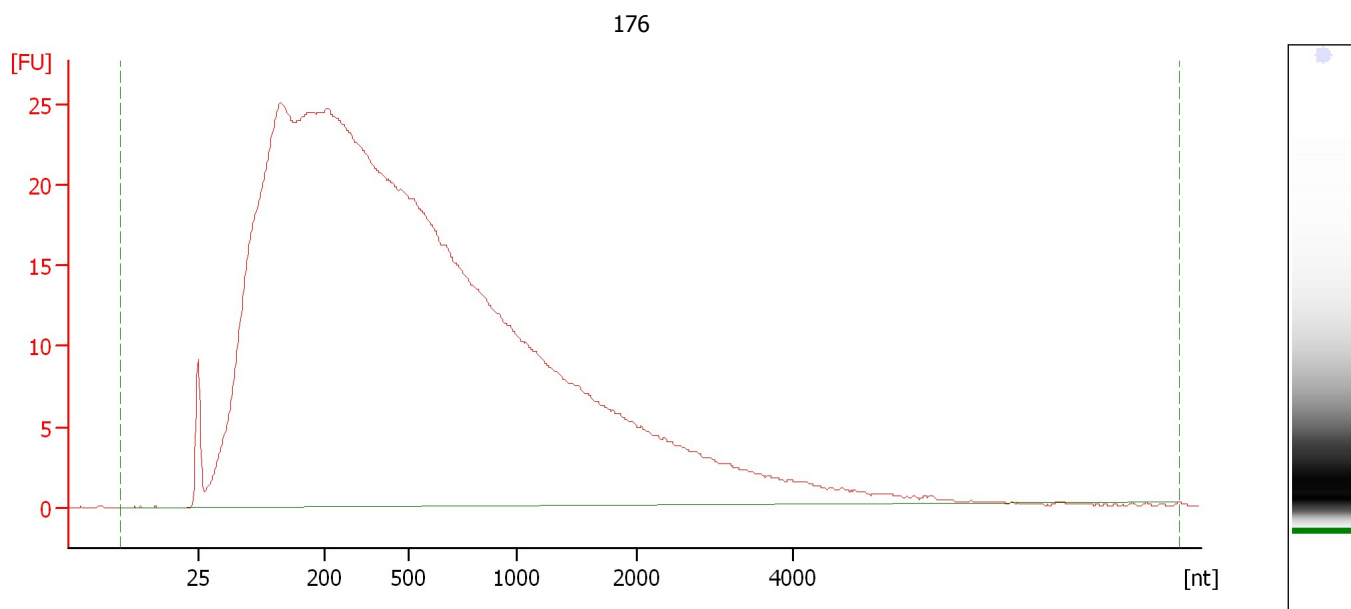
Electropherogram Summary Continued ...**Overall Results for sample 7 : 175**

RNA Area: 783.3
RNA Concentration: 1,545 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_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

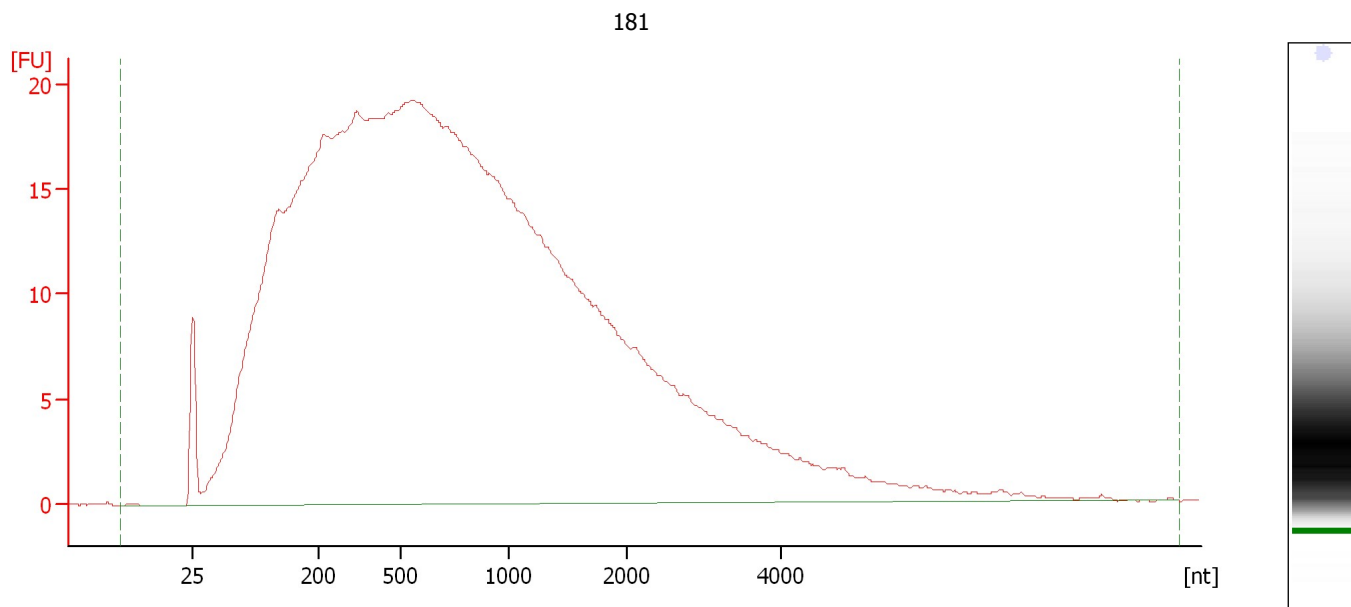
Electropherogram Summary Continued ...**Overall Results for sample 8 : 176**

RNA Area: 999.2
RNA Concentration: 1,970 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_16-10-55.xad

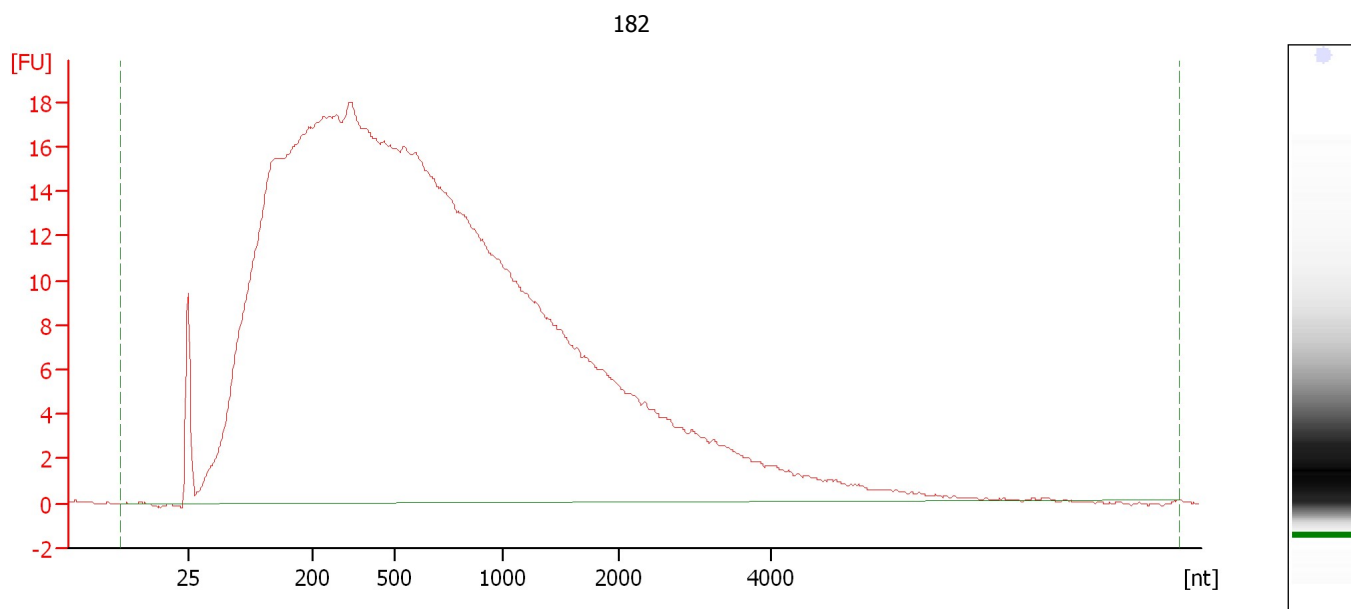
Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 181**

RNA Area:	915.5	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	1,805 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: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

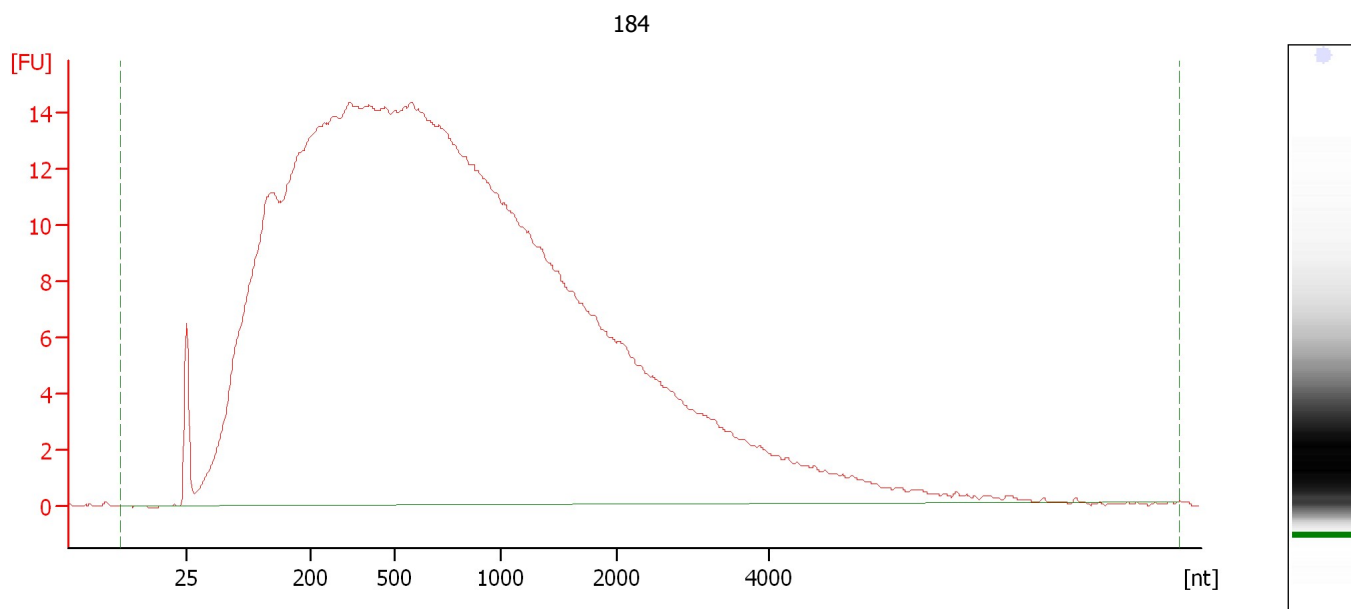
Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 182**

RNA Area:	782.4	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	1,543 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: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

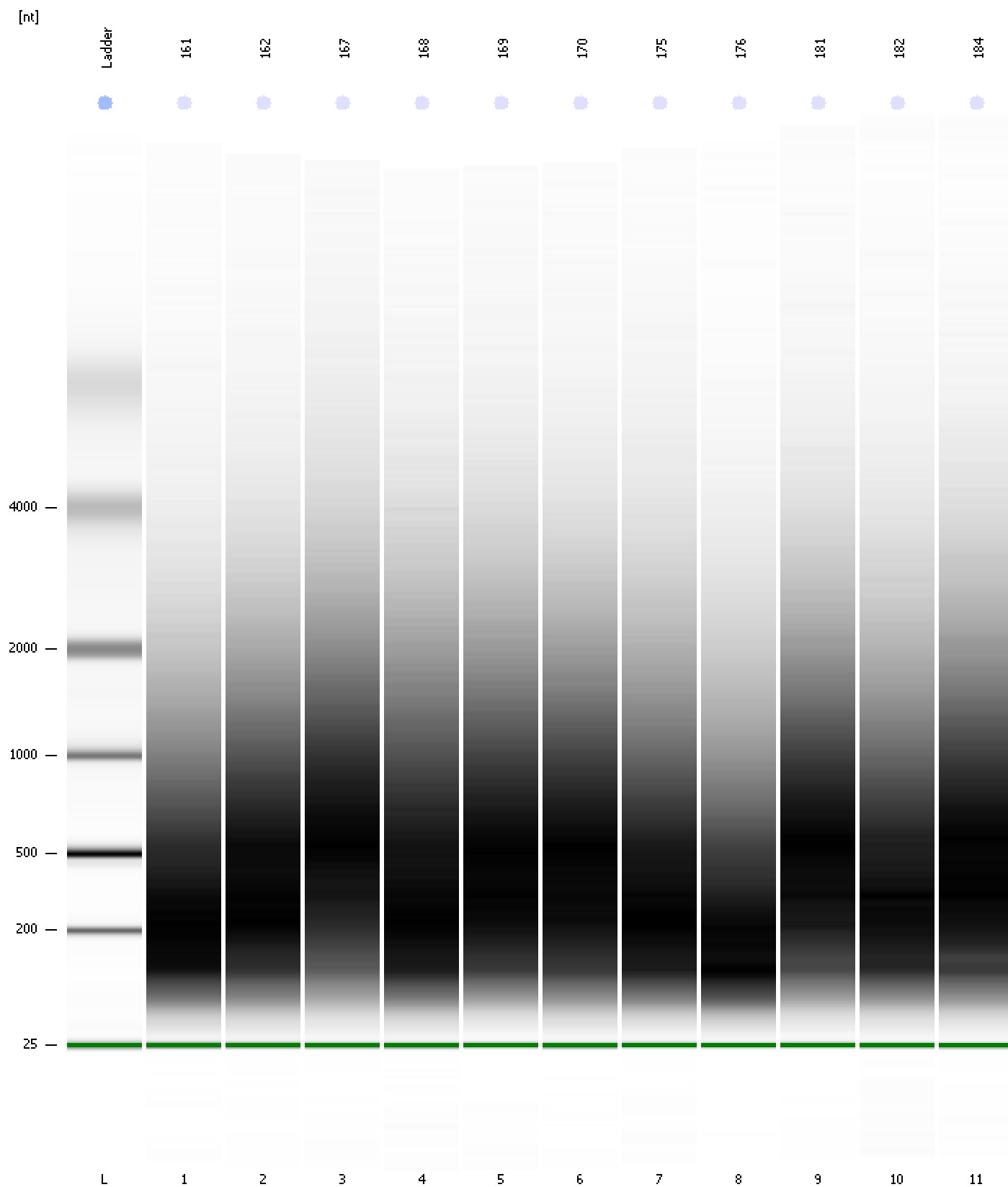
Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : 184**

RNA Area:	700.8	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	1,382 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: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

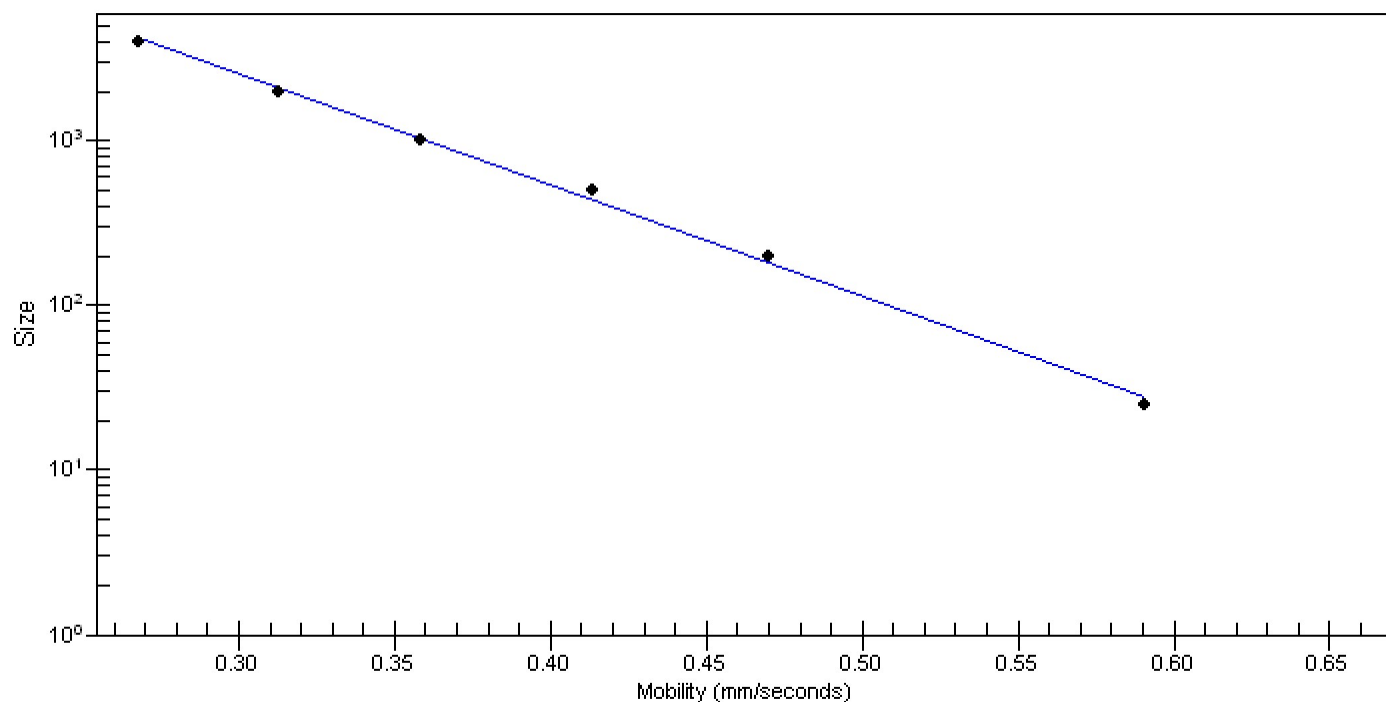
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad

Created: 12/9/2016 4:10:55 PM
Modified: 12/9/2016 4:33:53 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico Created: 12/9/2016 4:10:55 PM
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-12-09_16-10-55.xad Modified: 12/9/2016 4:33:53 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 4:33:49 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_16-10-55.xad)		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		12/9/2016 4:11:01 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01