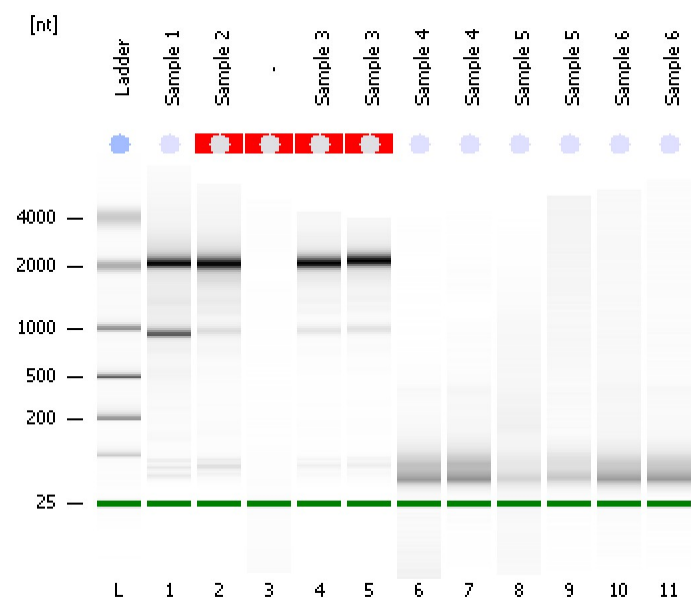


Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: Jarvis lab Firmware: C.01.069
Serial#: DE72902042 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:

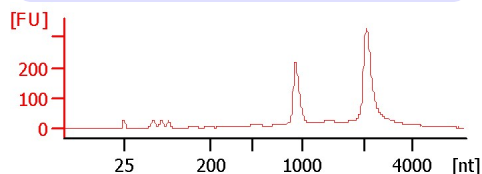
Chip Lot #:

Reagent Kit Lot #:

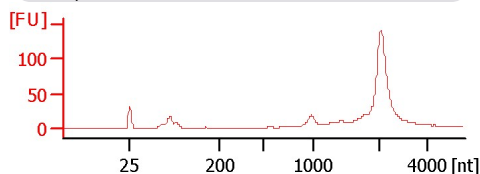
Chip Comments:

Sample 1

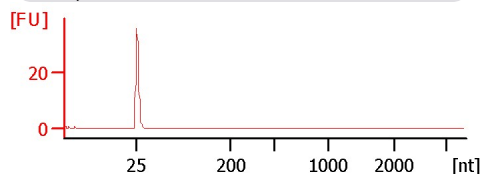
RIN: 9.50

**Sample 2**

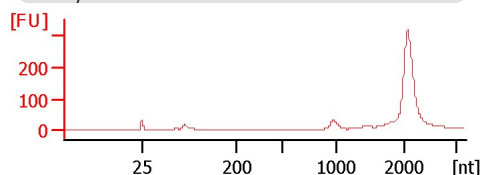
RIN N/A

**-**

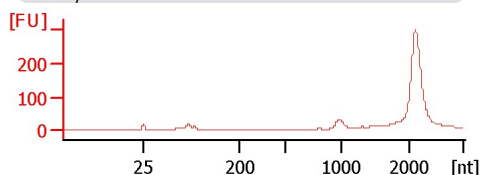
RIN N/A

**Sample 3**

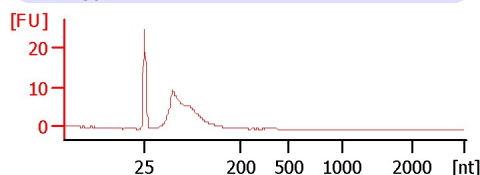
RIN N/A

**Sample 3**

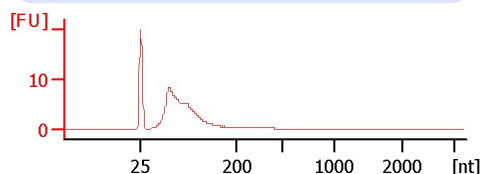
RIN N/A

**Sample 4**

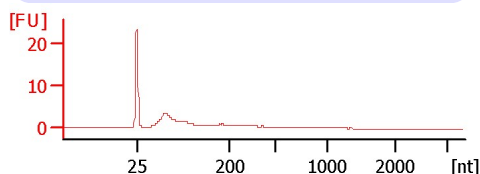
RIN: 2.50

**Sample 4**

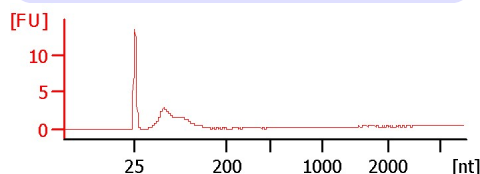
RIN: 2.50

**Sample 5**

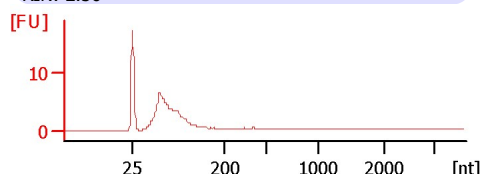
RIN: 1.50

**Sample 5**

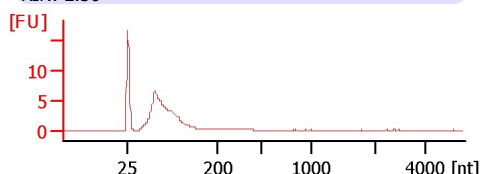
RIN: 2.10

**Sample 6**

RIN: 2.50

**Sample 6**

RIN: 2.50



Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		✓	RIN: 9.50	
Sample 2		✓	RIN N/A	
-		✓	RIN N/A	
Sample 3		✓	RIN N/A	
Sample 3		✓	RIN N/A	
Sample 4		✓	RIN: 2.50	
Sample 4		✓	RIN: 2.50	
Sample 5		✓	RIN: 1.50	
Sample 5		✓	RIN: 2.10	
Sample 6		✓	RIN: 2.50	
Sample 6		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

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

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 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

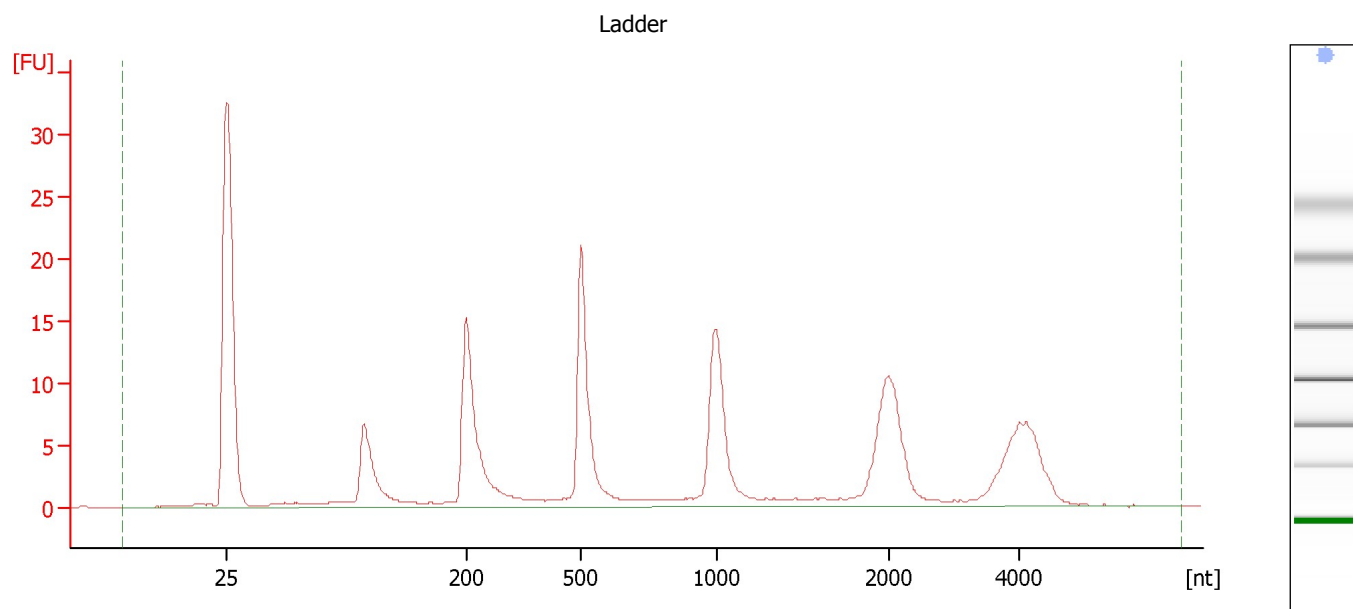
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 182.6

Result Flagging Color:



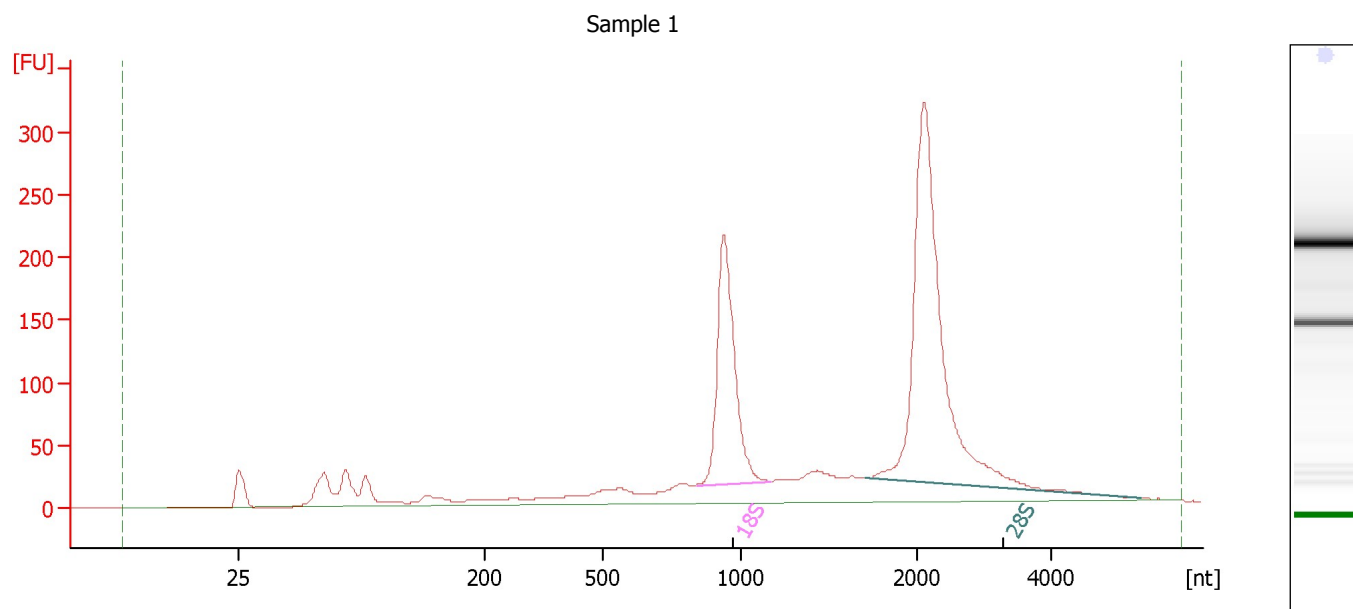
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

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

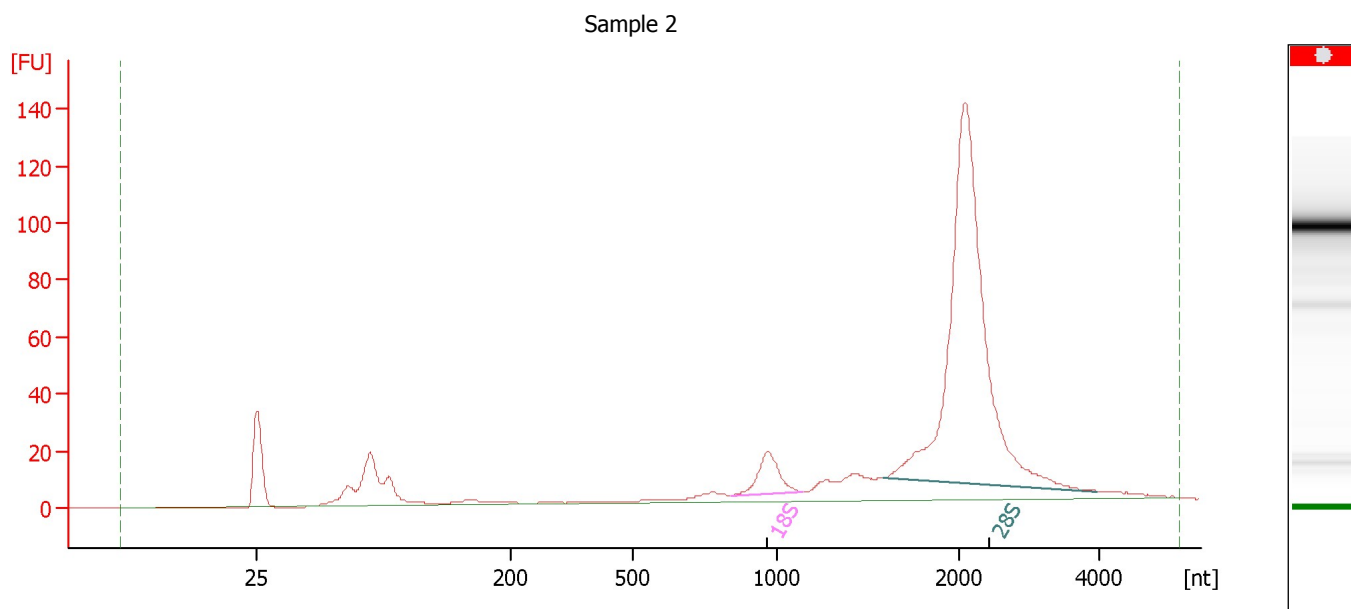
RNA Area:	2,147.7	RNA Integrity Number (RIN):	9.5 (B.02.08)
RNA Concentration:	11,762 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 9.50

Fragment table for sample 1 : Sample 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	840	1,168	386.5	18.0
28S	1,701	5,328	788.2	36.7

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

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

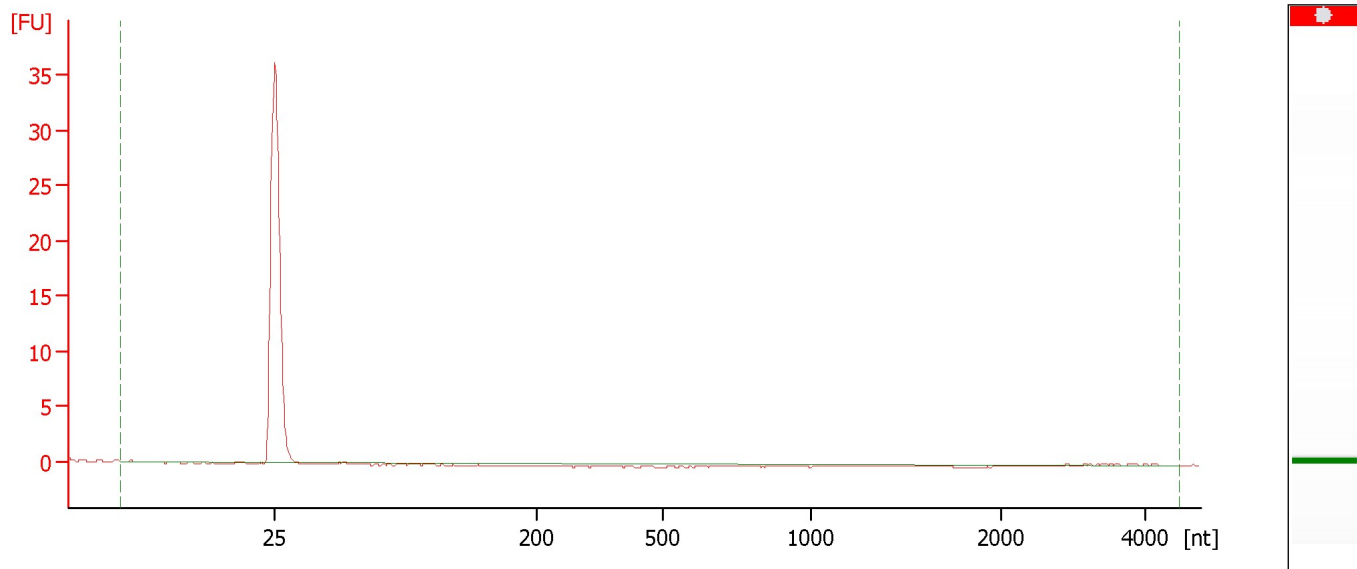
RNA Area:	728.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,989 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	12.6	Result Flagging Label:	RIN N/A

Fragment table for sample 2 : Sample 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	842	1,145	32.7	4.5
28S	1,589	3,989	412.2	56.6

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

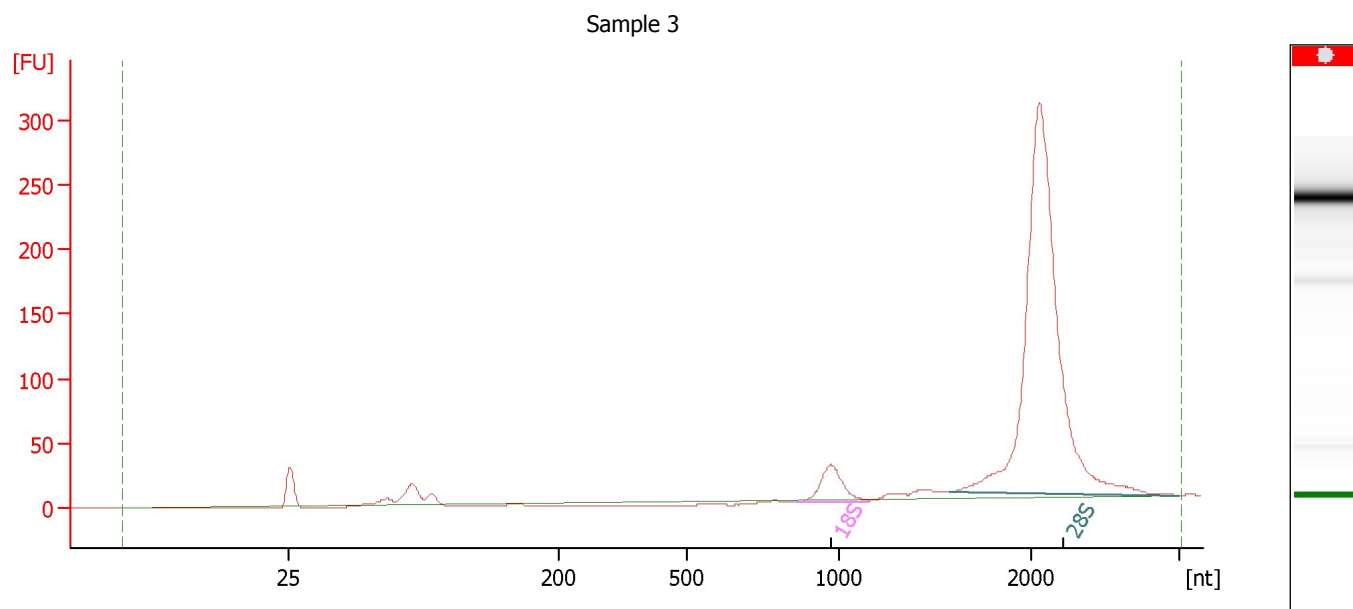
Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

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

RNA Area:	0.2	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : Sample 3**

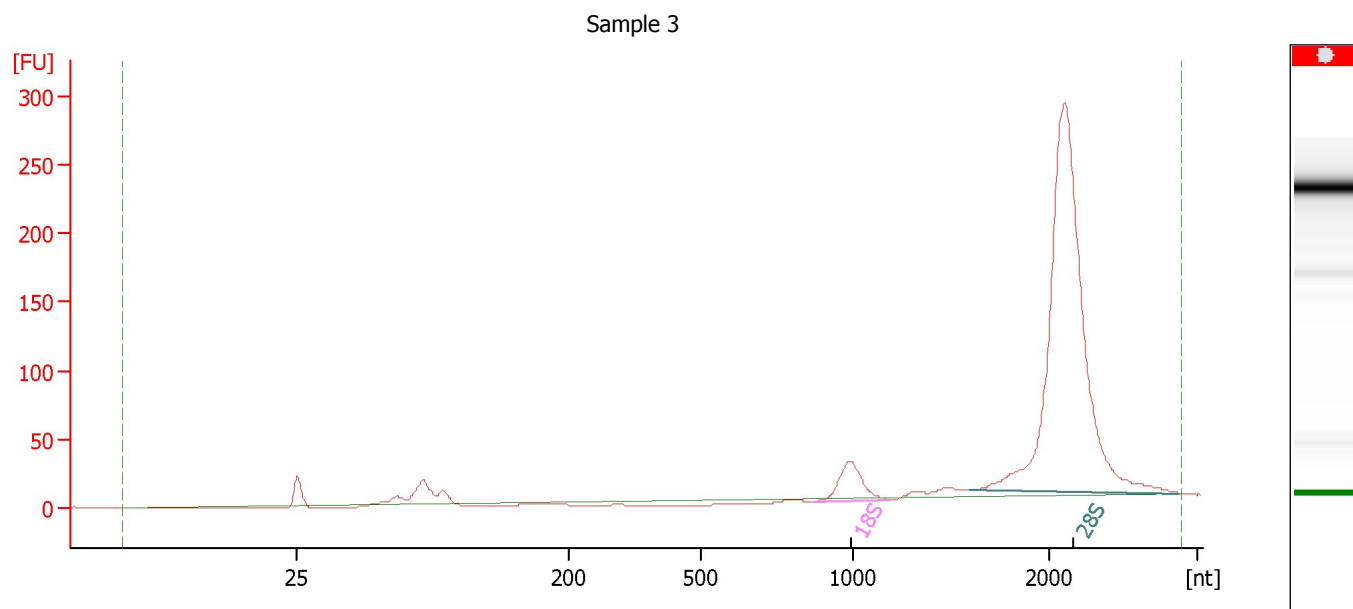
RNA Area:	996.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,459 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	12.7	Result Flagging Label:	RIN N/A

Fragment table for sample 4 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	853	1,163	64.2	6.4
28S	1,573	4,001	815.6	81.8

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 5 : Sample 3**

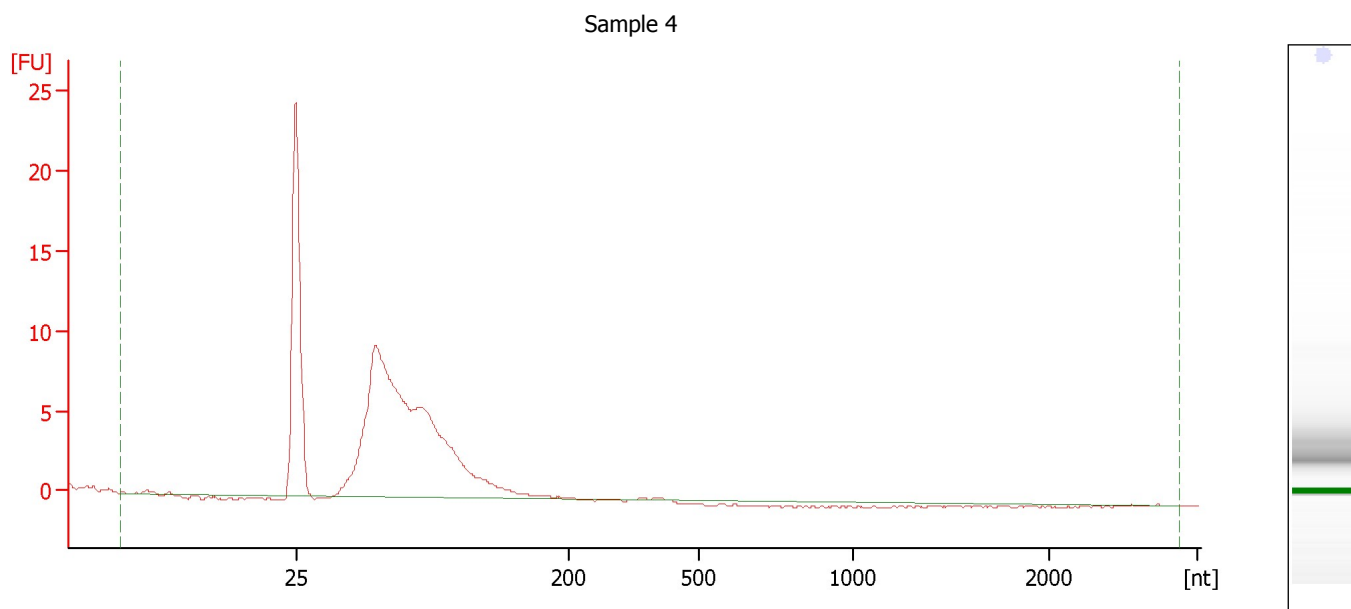
RNA Area:	969.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5,310 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	11.8	Result Flagging Label:	RIN N/A

Fragment table for sample 5 : Sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	866	1,191	67.0	6.9
28S	1,590	3,748	793.5	81.8

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

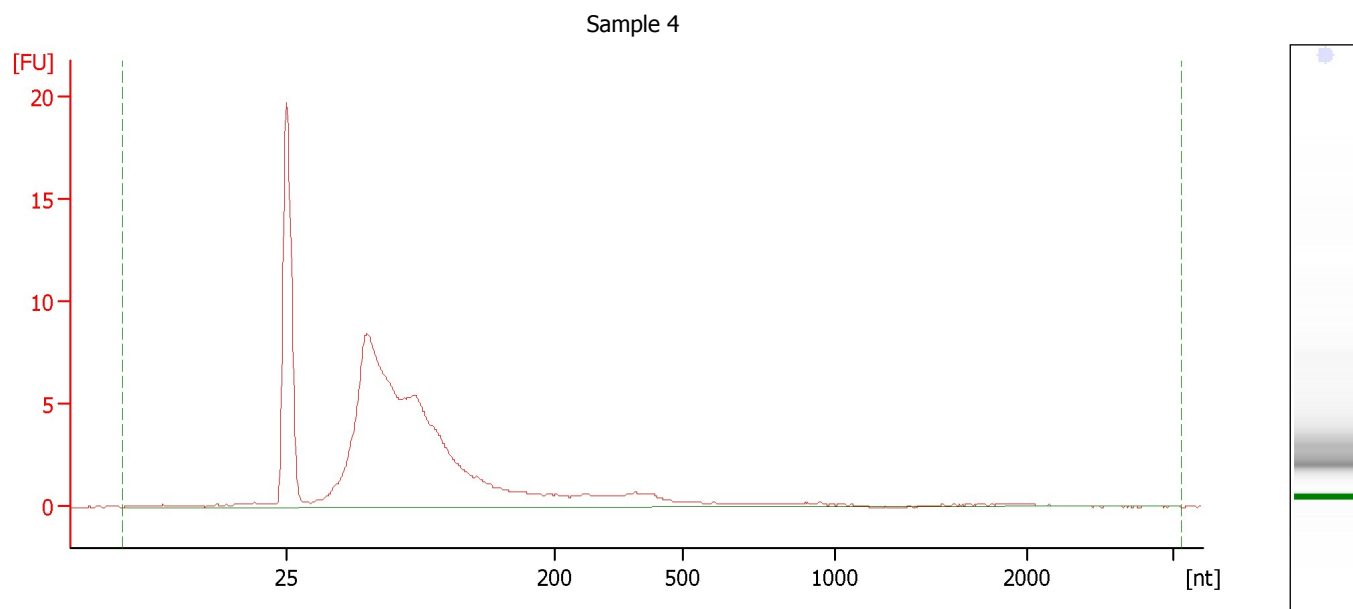
Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : Sample 4**

RNA Area:	94.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	515 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

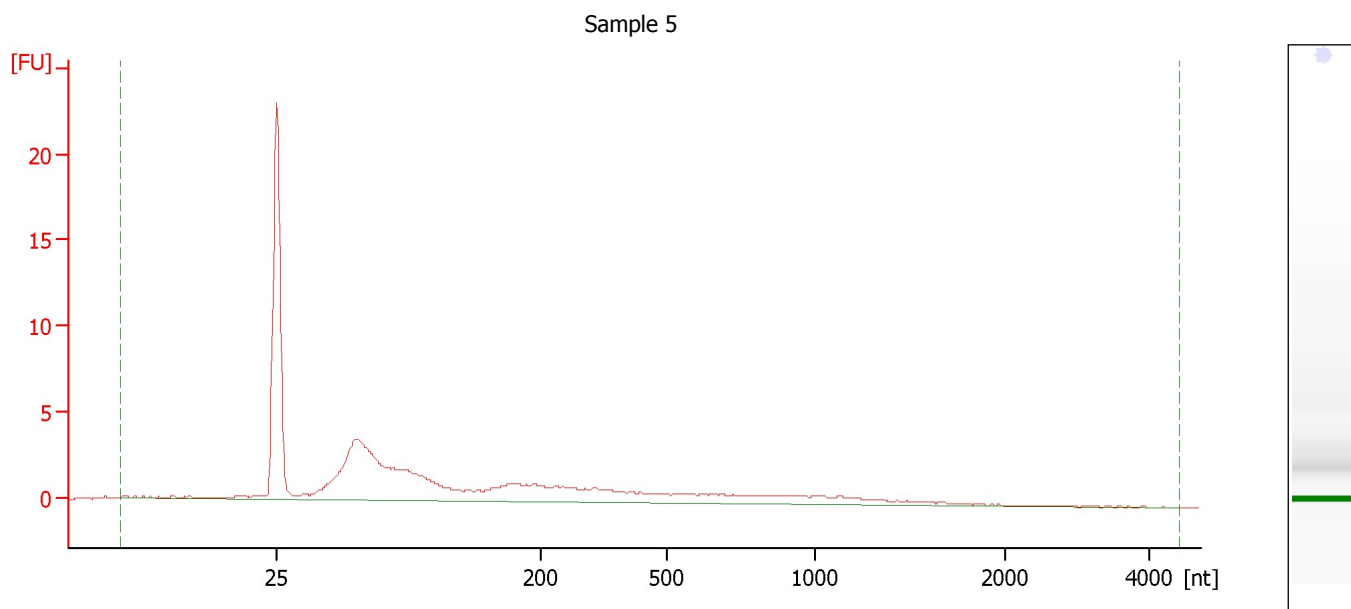
Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : Sample 4**

RNA Area:	116.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	636 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

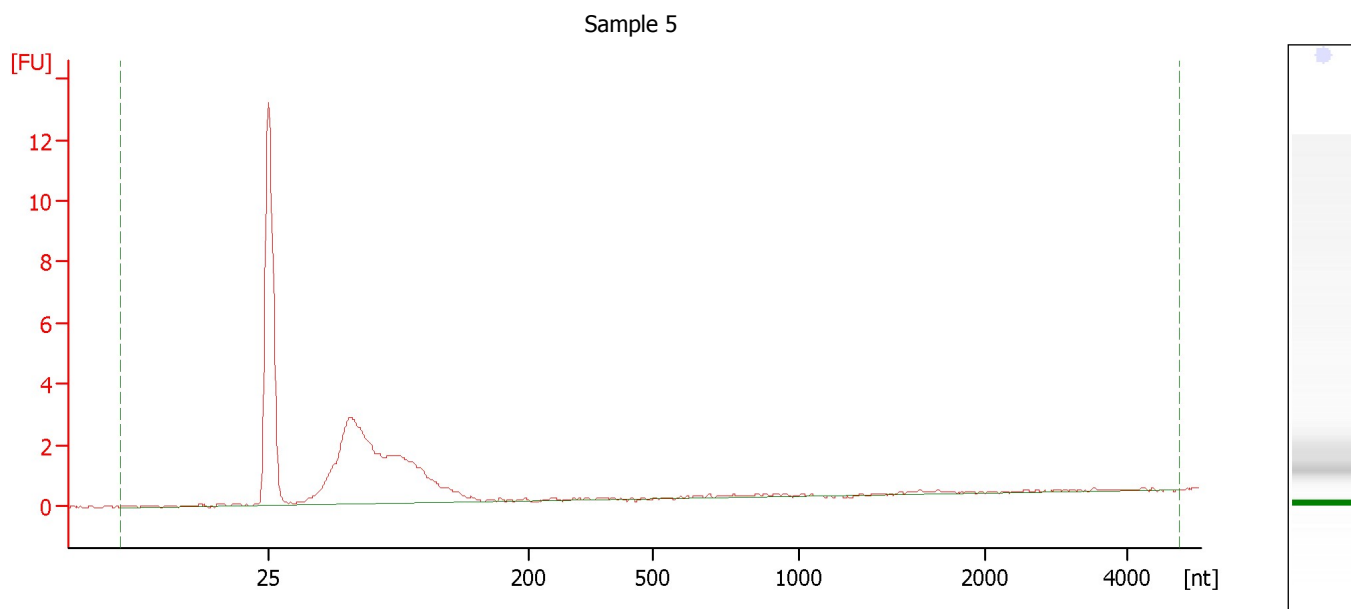
Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Sample 5**

RNA Area:	68.4	RNA Integrity Number (RIN):	1.5 (B.02.08)
RNA Concentration:	374 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.50

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : Sample 5**

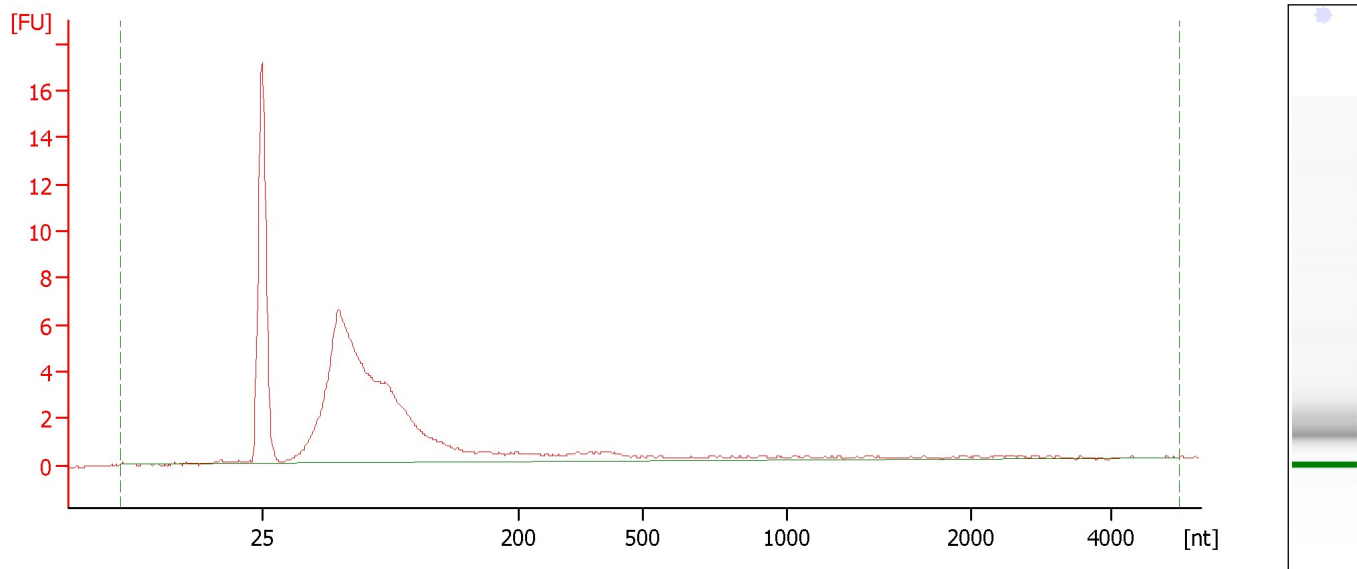
RNA Area:	32.1	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	176 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...

Sample 6

**Overall Results for sample 10 : Sample 6**

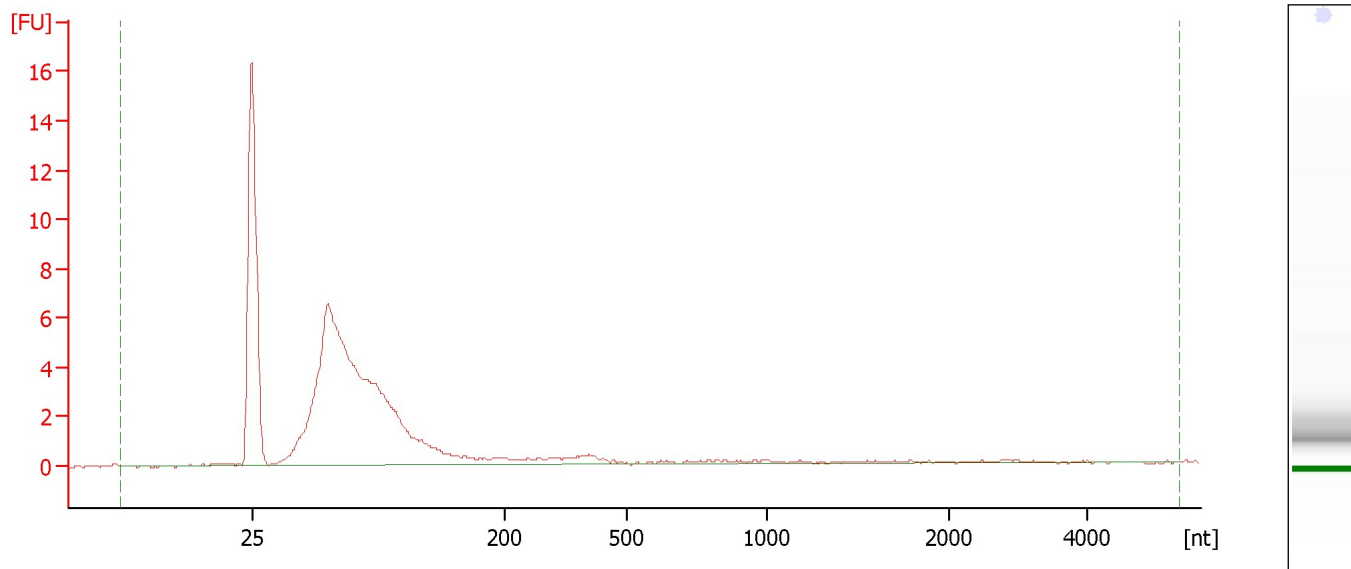
RNA Area:	79.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	436 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Electropherogram Summary Continued ...

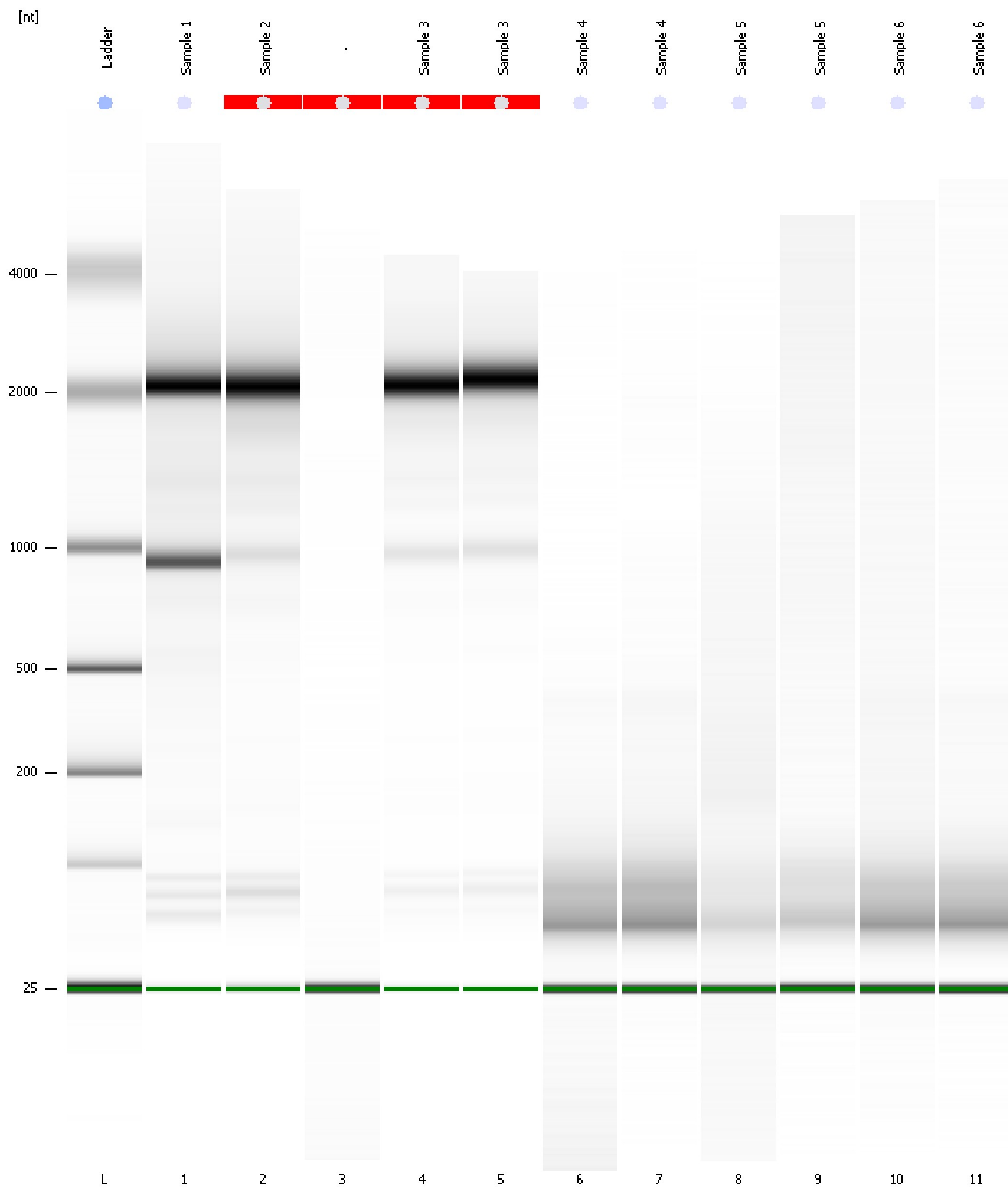
Sample 6

**Overall Results for sample 11 : Sample 6**

RNA Area:	73.4	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	402 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

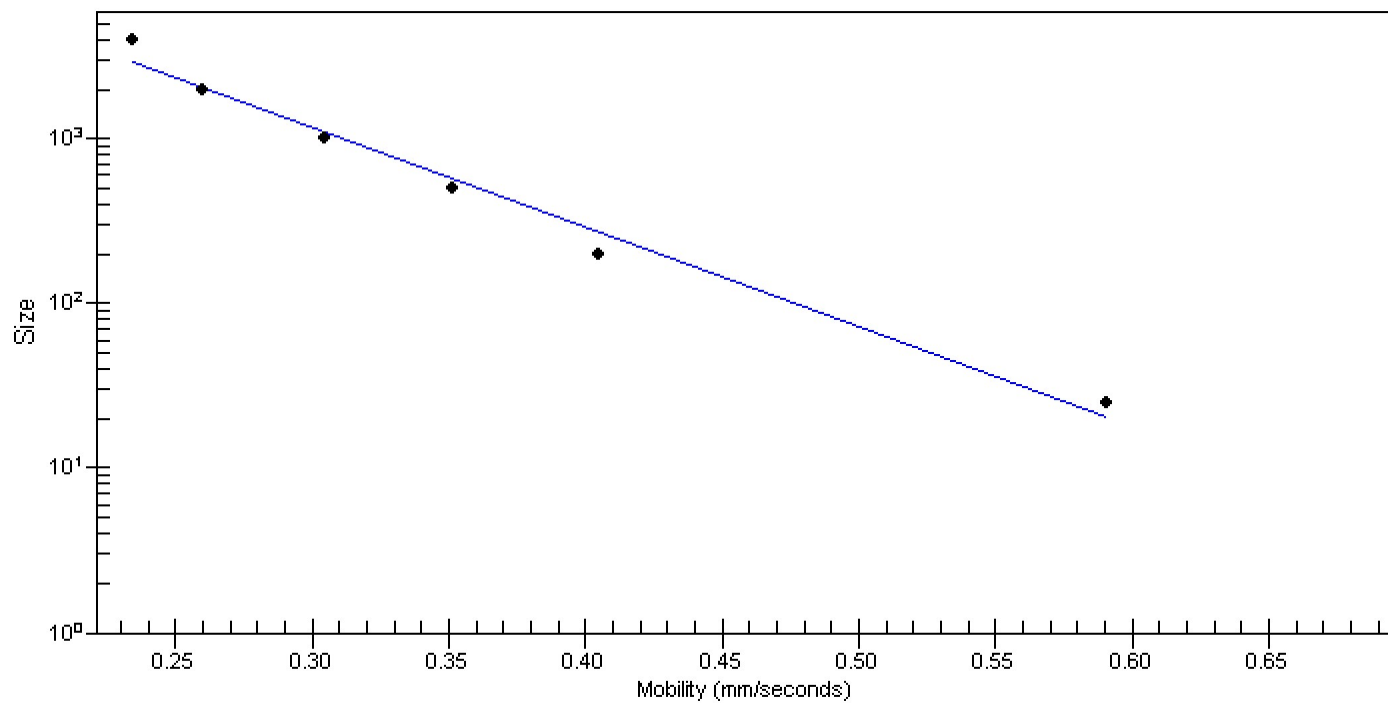
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
Modified: 1/22/2020 3:53:04 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: E:\...Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad

Created: 1/22/2020 3:06:42 PM
 Modified: 1/22/2020 3:53:04 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		1/22/2020 3:29:37 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2020-01-22\vanadyl n=2_Eukaryote Total RNA Pico_DE72902042_2020-01-22_15-06-42.xad)		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Product Number : G2939A		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Name : Jarvis lab		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Vendor : Agilent Technologies		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Serial# : DE72902042		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Firmware : C.01.069		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE
Cartridge : Electrode		Instrument	Run		1/22/2020 3:06:48 PM	(GMT --05:00) Eastern Standard Time	jarvis_lab	DHE