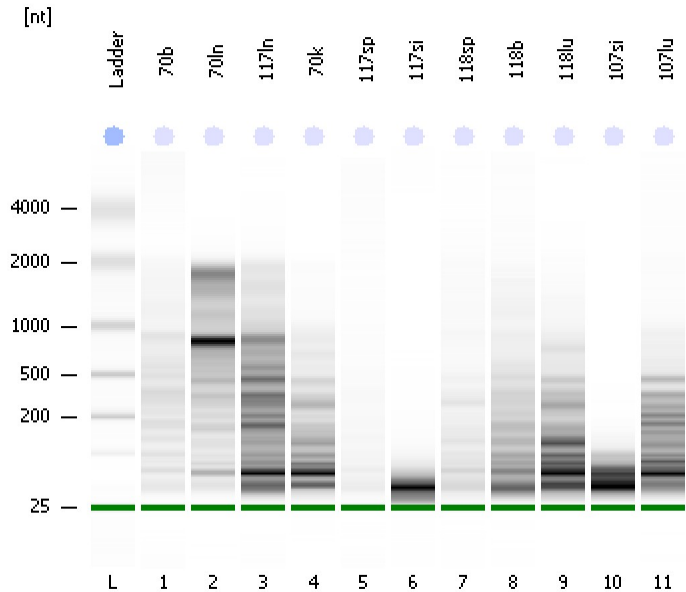


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electrophoresis File Run Summary



Instrument Information:

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

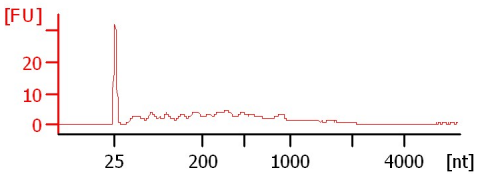
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

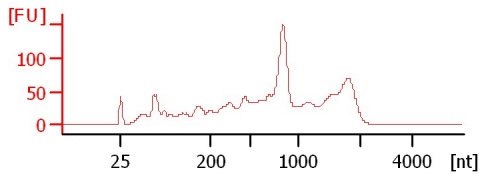
Chip Information:

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

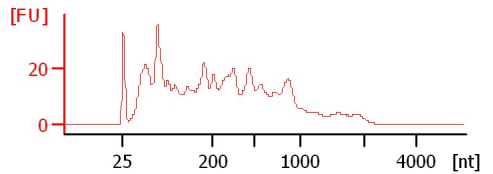
70b
RIN: 2.20



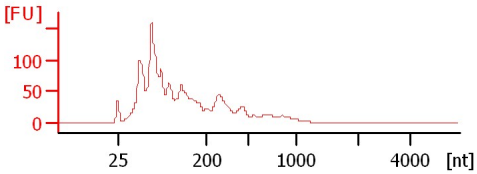
70ln
RIN: 7.10



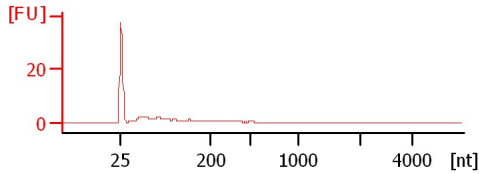
117ln
RIN: 2.90



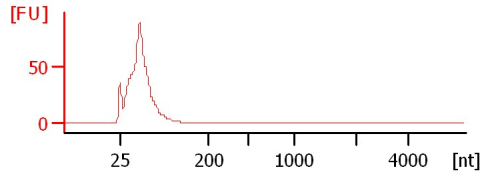
70k
RIN: 2.20



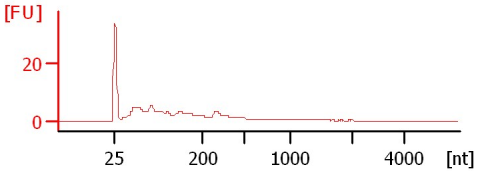
117sp
RIN: 1



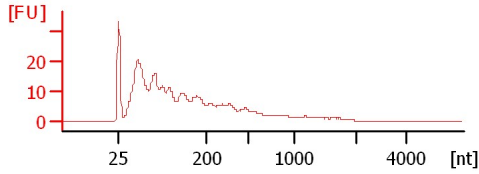
117si
RIN: 2.60



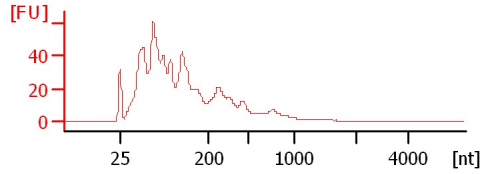
118sp
RIN: 1.90



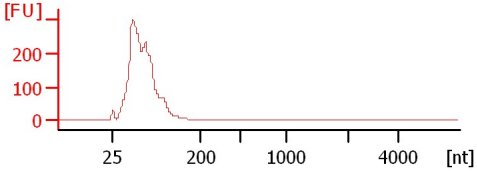
118b
RIN: 2.50



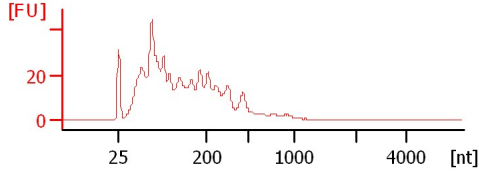
118lu
RIN: 2.30



107si
RIN: 2.50



107lu
RIN: 2.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
 Modified: 8/24/2017 10:32:23 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
70b		✓	RIN: 2.20	
70ln		✓	RIN: 7.10	
117ln		✓	RIN: 2.90	
70k		✓	RIN: 2.20	
117sp		✓	RIN:1	
117si		✓	RIN: 2.60	
118sp		✓	RIN: 1.90	
118b		✓	RIN: 2.50	
118lu		✓	RIN: 2.30	
107si		✓	RIN: 2.50	
107lu		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

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

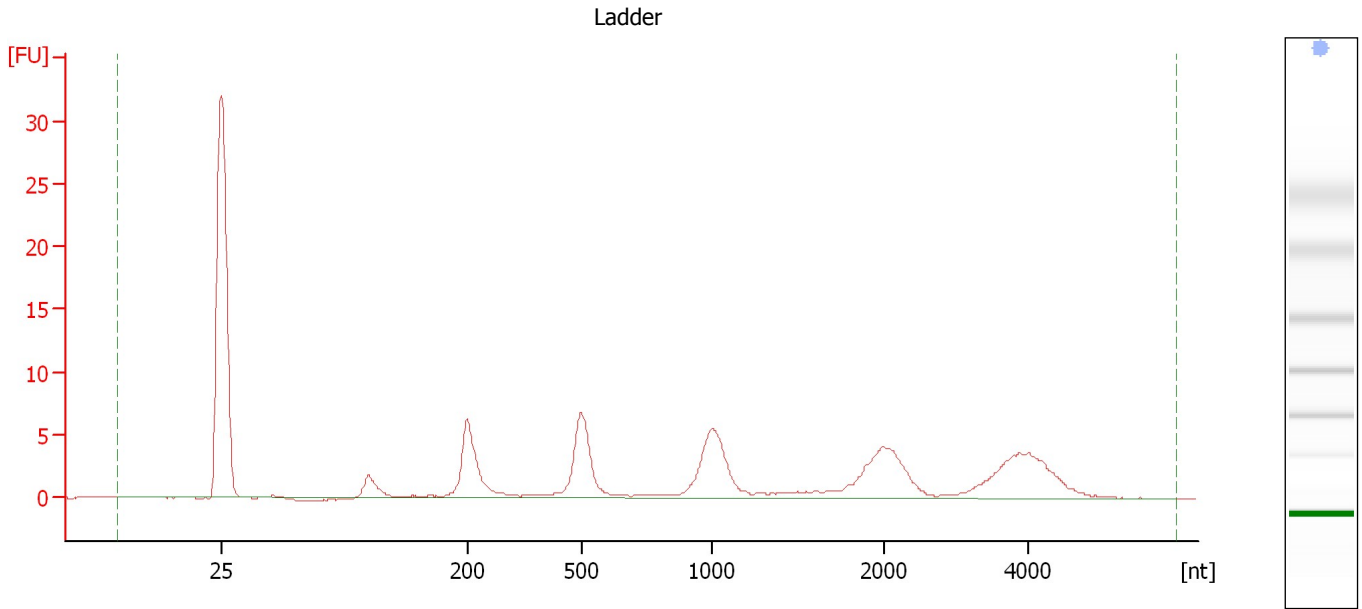
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary



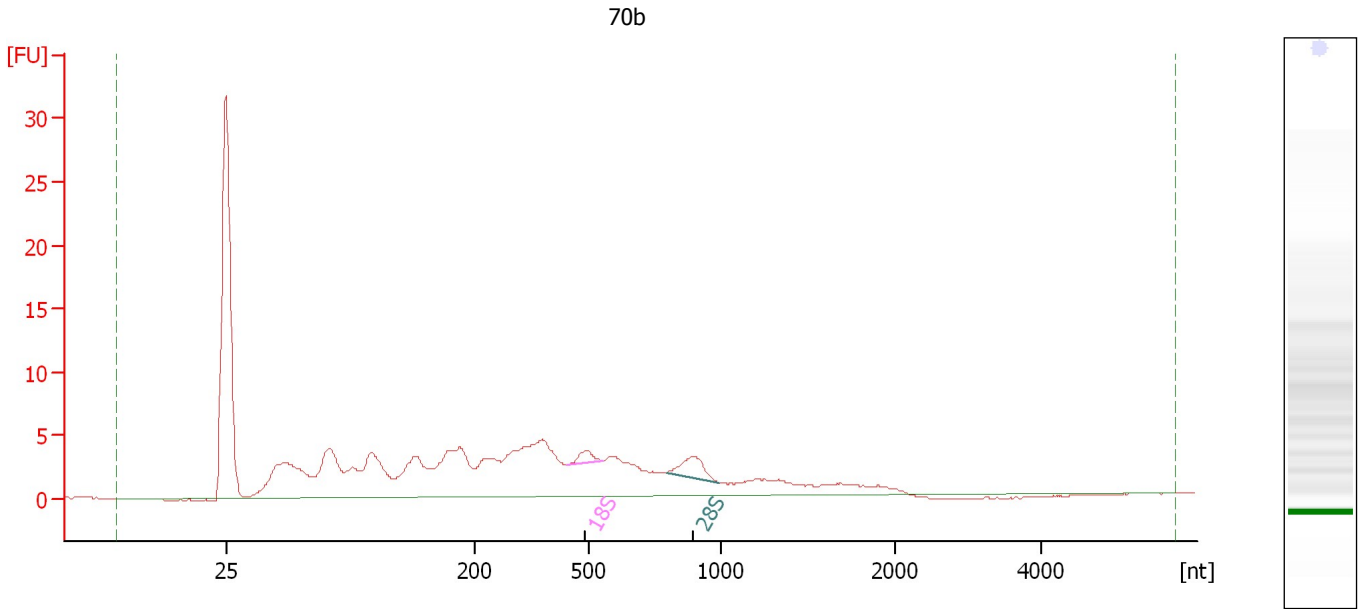
Overall Results for Ladder

RNA Area:	95.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 70b

RNA Area:	175.0	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	1,836 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 2.20

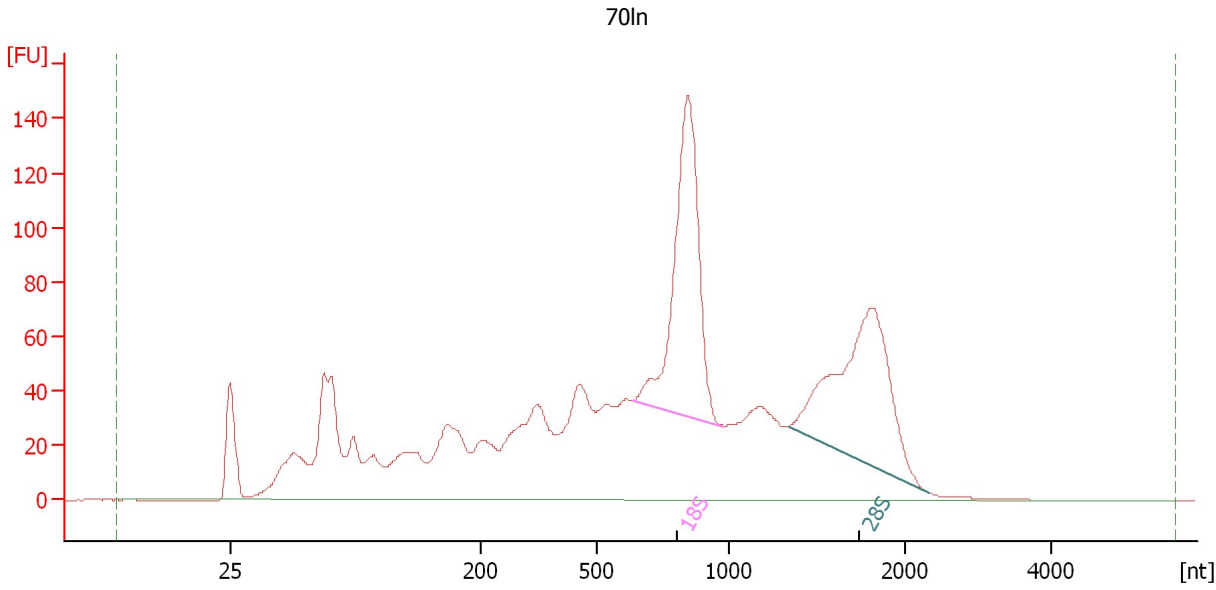
Fragment table for sample 1 : 70b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	440	550	1.8	1.0
28S	794	988	4.2	2.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
 Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 70In

RNA Area:	2,447.4	RNA Integrity Number (RIN):	7.1 (B.02.08)
RNA Concentration:	25,678 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 7.10

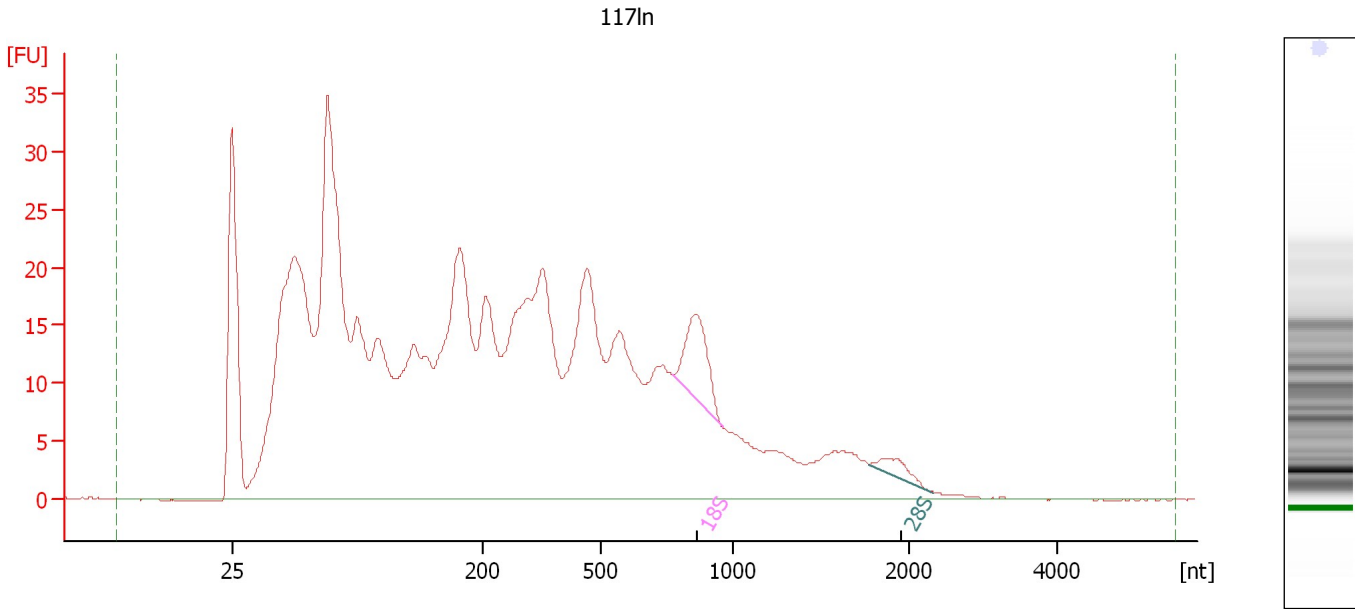
Fragment table for sample 2 : 70In

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	635	977	331.2	13.5
28S	1,332	2,327	298.0	12.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 117In

RNA Area:	961.0	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	10,082 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.90

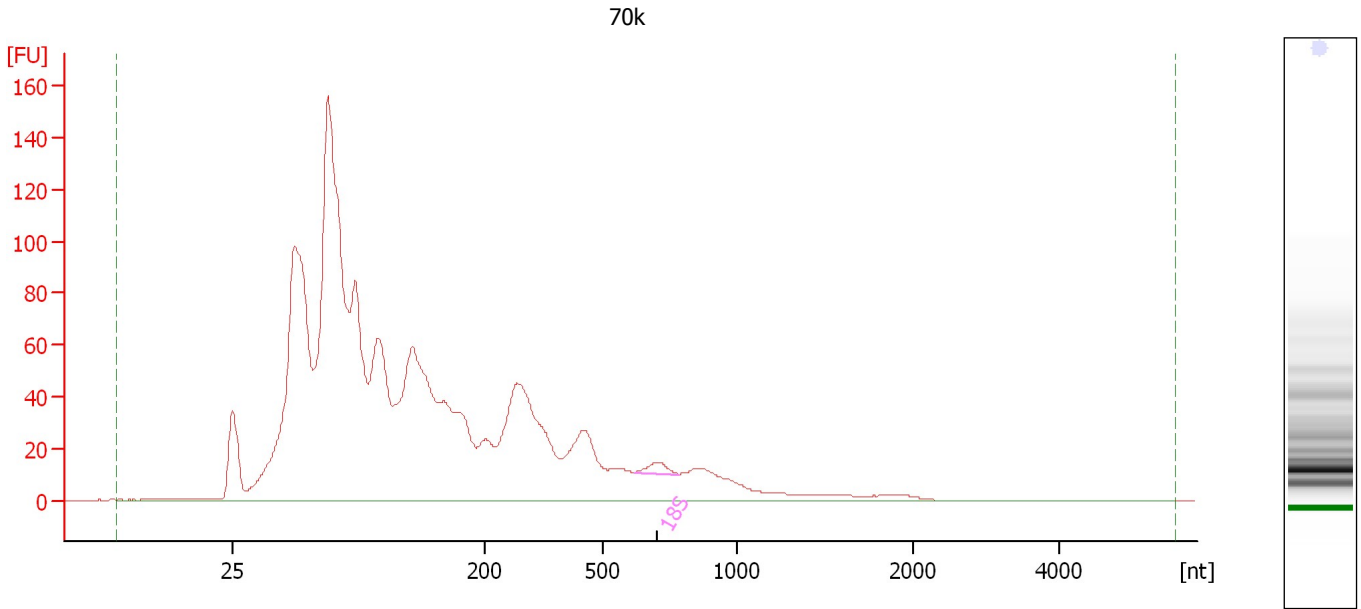
Fragment table for sample 3 : 117In

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	774	958	18.7	1.9
28S	1,769	2,318	3.9	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 70k

RNA Area:	2,460.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	25,814 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.20

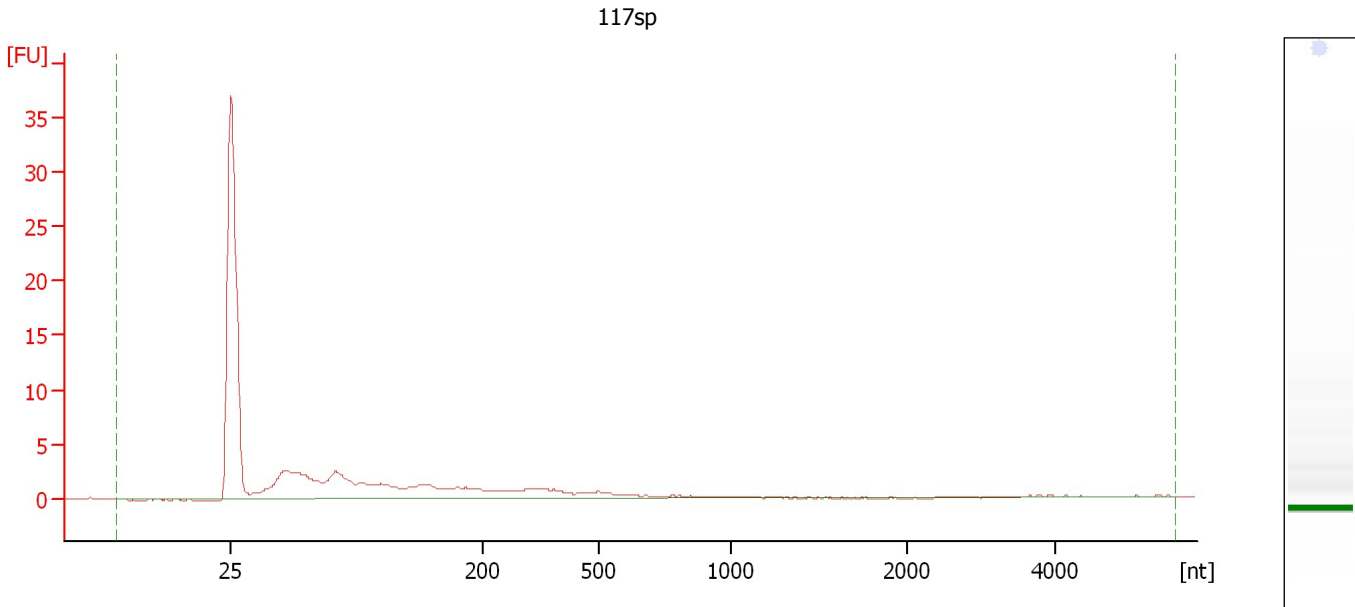
Fragment table for sample 4 : 70k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	622	782	9.1	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



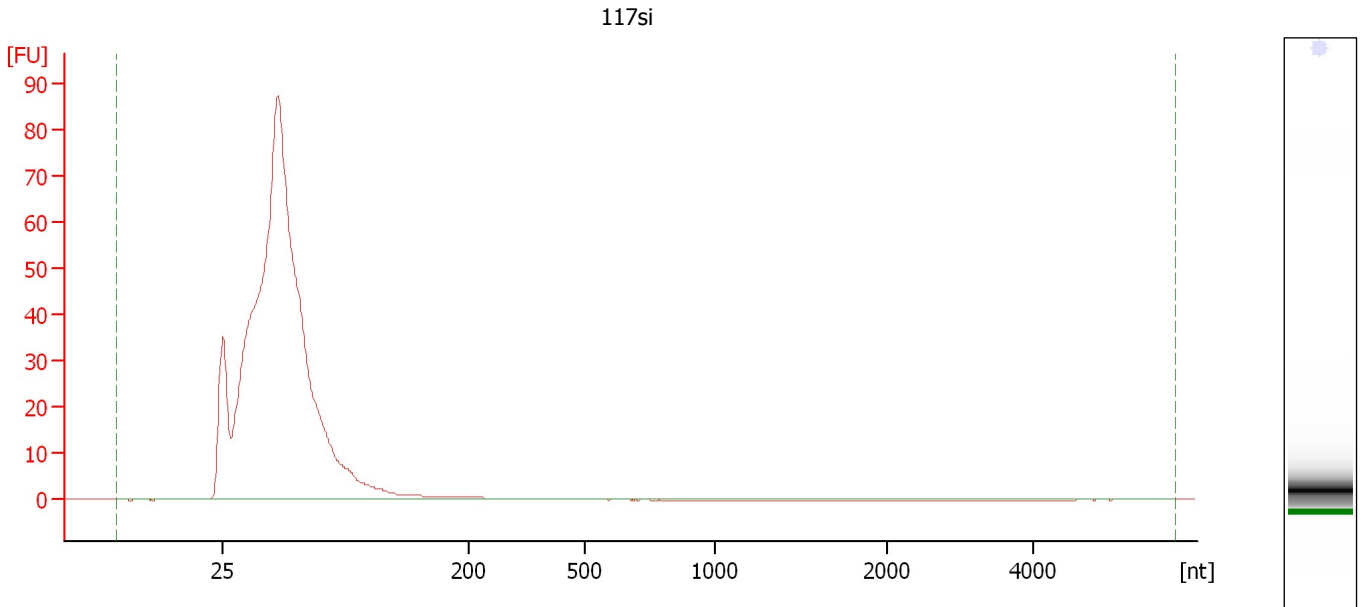
Overall Results for sample 5 : 117sp

RNA Area:	57.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	605 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



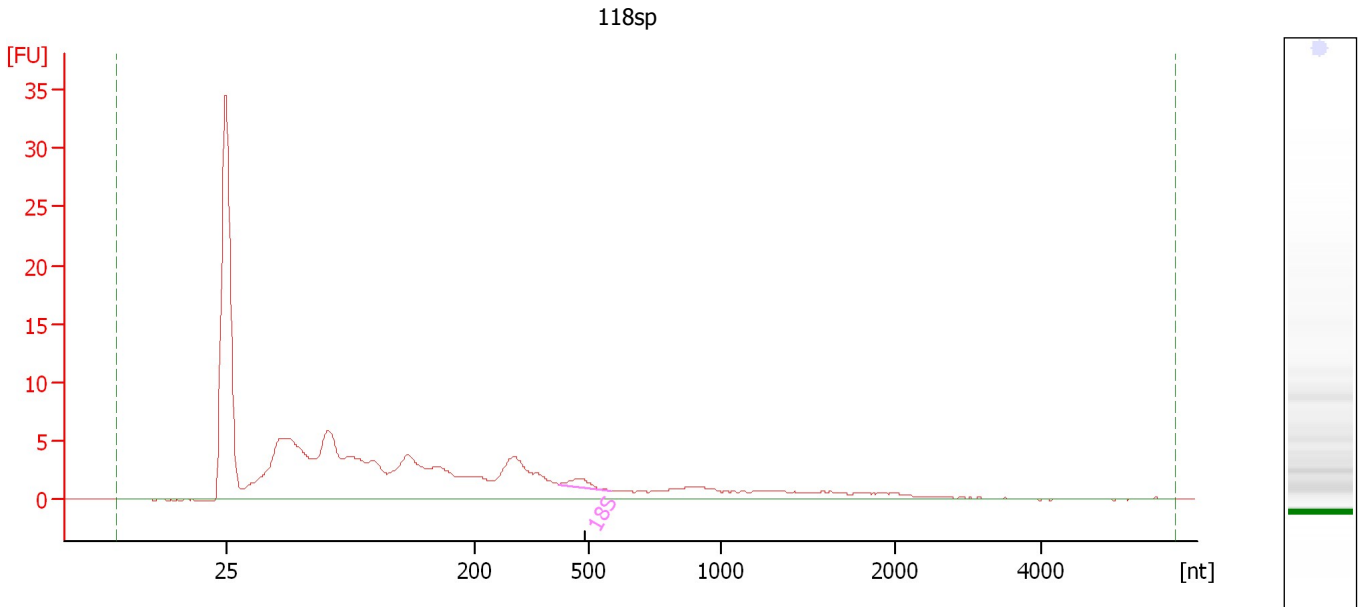
Overall Results for sample 6 : 117si

RNA Area:	768.7	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	8,065 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 118sp

RNA Area:	168.3	RNA Integrity Number (RIN):	1.9 (B.02.08)
RNA Concentration:	1,765 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

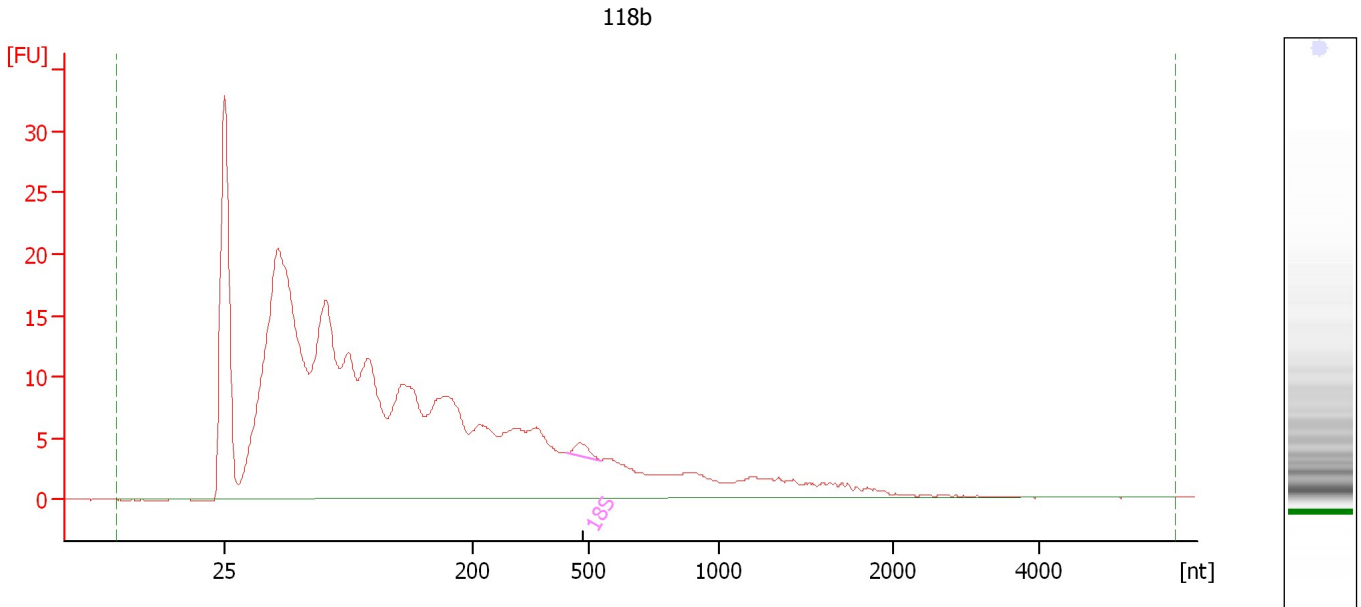
Fragment table for sample 7 : 118sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	421	583	1.7	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 118b

RNA Area:	490.7	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	5,148 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

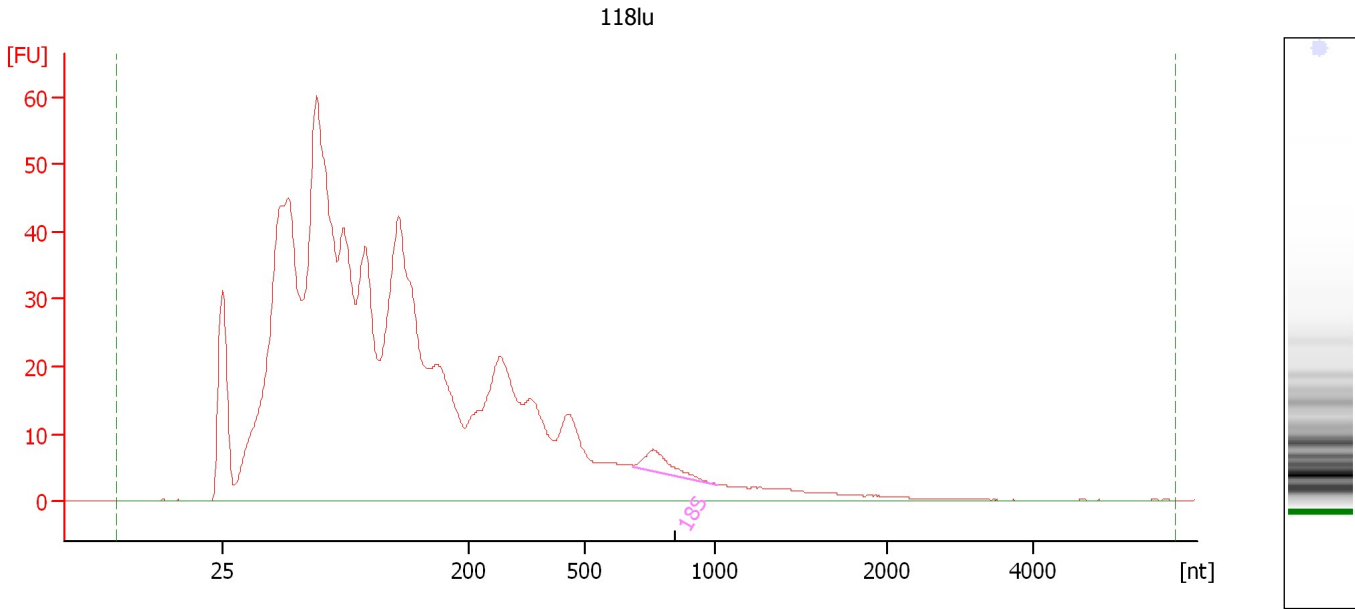
Fragment table for sample 8 : 118b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	445	545	1.9	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 118lu

RNA Area:	1,327.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	13,928 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

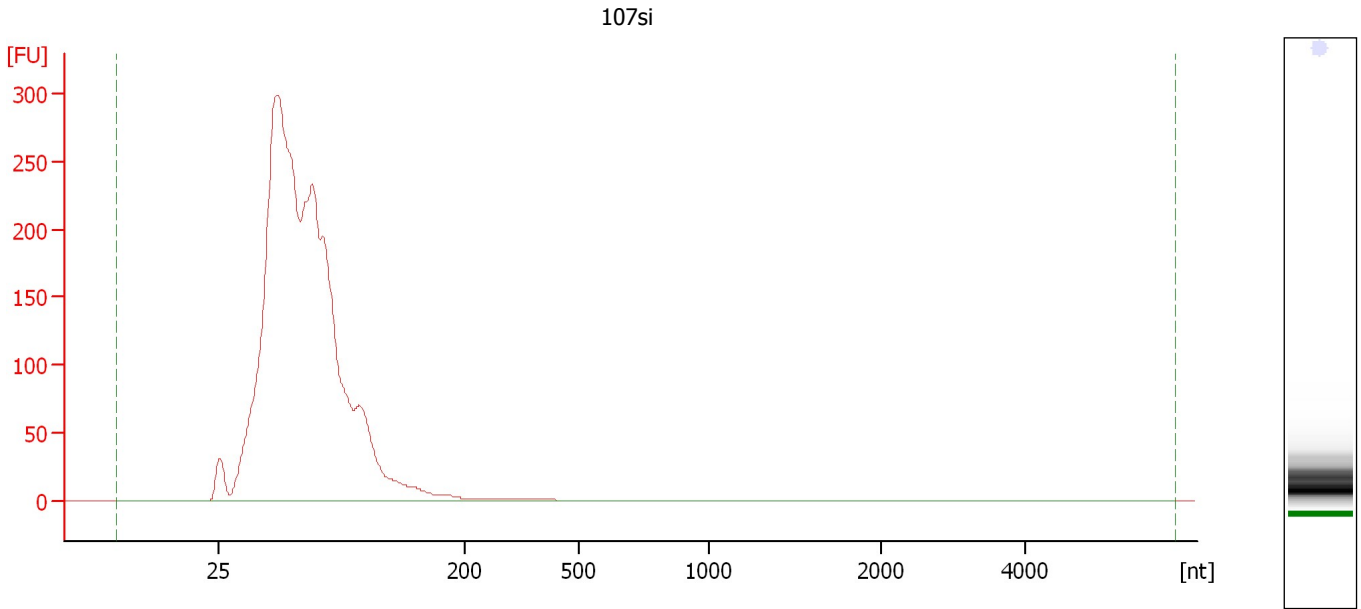
Fragment table for sample 9 : 118lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	686	1,013	9.9	0.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



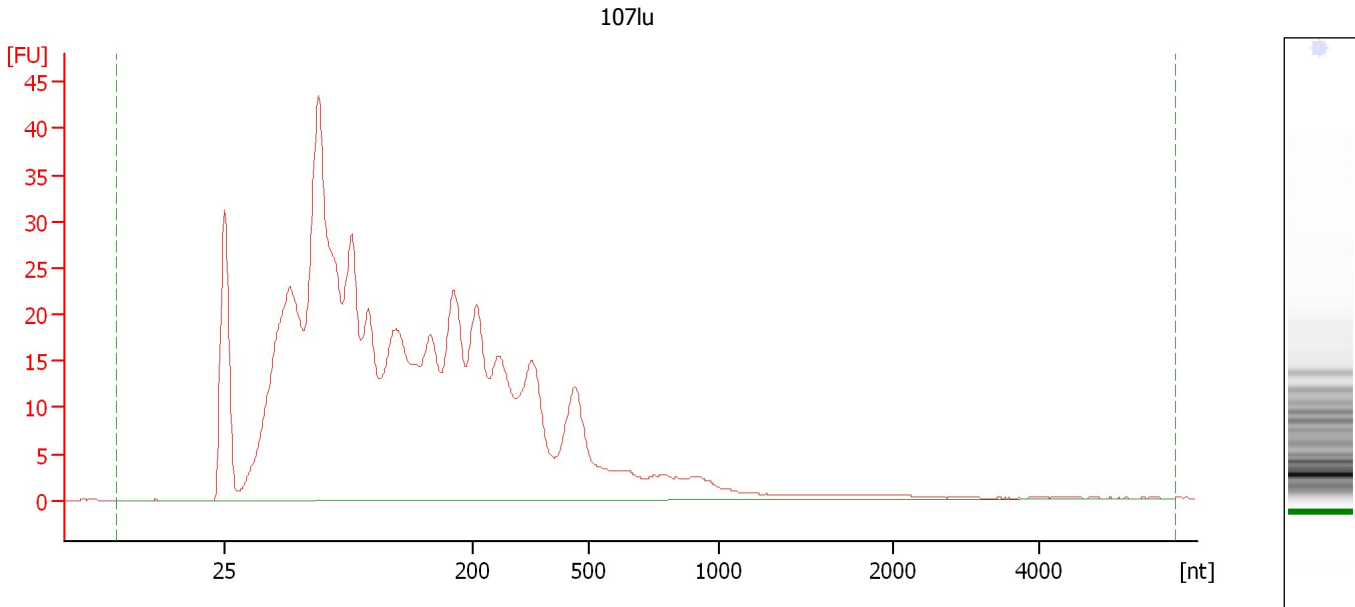
Overall Results for sample 10 : 107si

RNA Area:	3,624.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	38,027 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: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 107lu

RNA Area:	860.4	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	9,027 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:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_002.xad

Created: 8/24/2017 10:10:18 AM
Modified: 8/24/2017 10:32:23 AM

Gel Image

