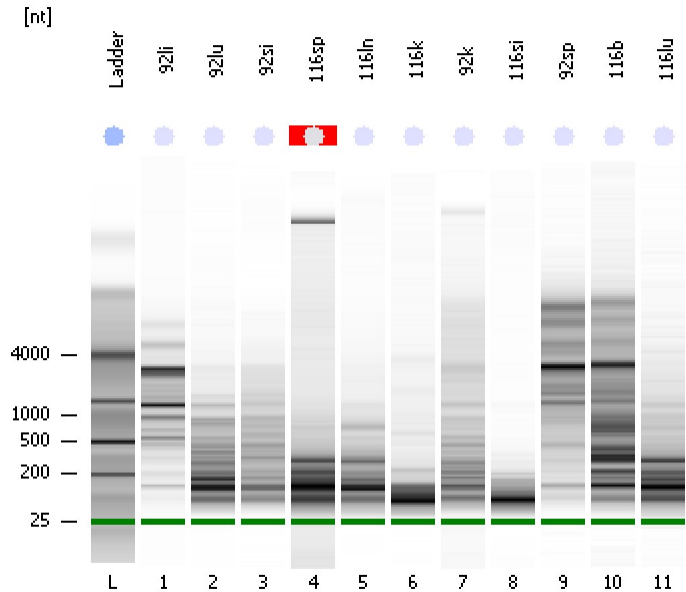


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electrophoresis File Run Summary



Instrument Information:

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

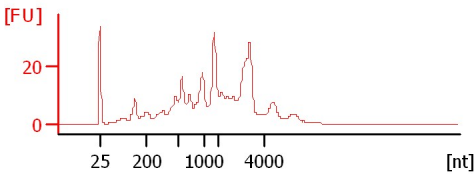
Assay Information:

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.

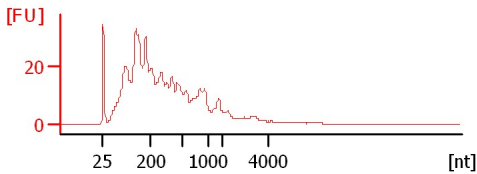
Chip Information:

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

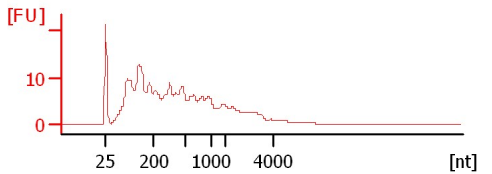
92li
RIN: 6.80



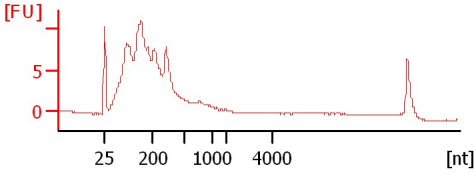
92lu
RIN: 2.70



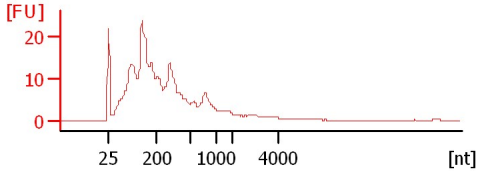
92si
RIN: 2.50



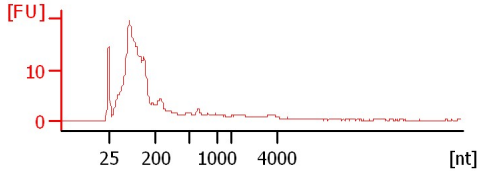
116sp
RIN N/A



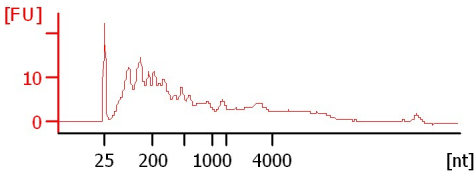
116ln
RIN: 2.30



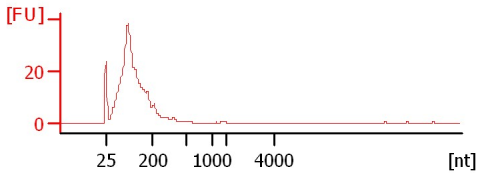
116k
RIN: 2.50



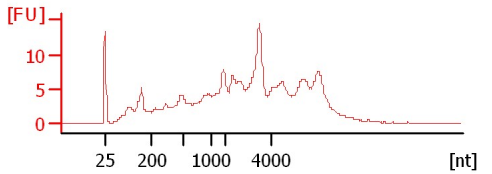
92k
RIN: 2.80



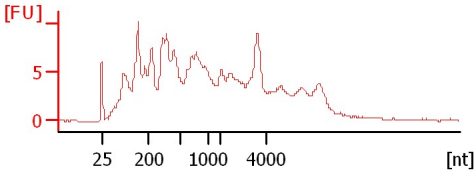
116si
RIN: 2.60



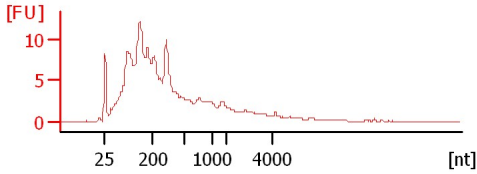
92sp
RIN: 5.10



116b
RIN: 3.80



116lu
RIN: 2.50



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
 Modified: 7/17/2017 9:46:35 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
92li		✓	RIN: 6.80	
92lu		✓	RIN: 2.70	
92si		✓	RIN: 2.50	
116sp		✓	RIN N/A	
116ln		✓	RIN: 2.30	
116k		✓	RIN: 2.50	
92k		✓	RIN: 2.80	
116si		✓	RIN: 2.60	
92sp		✓	RIN: 5.10	
116b		✓	RIN: 3.80	
116lu		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 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

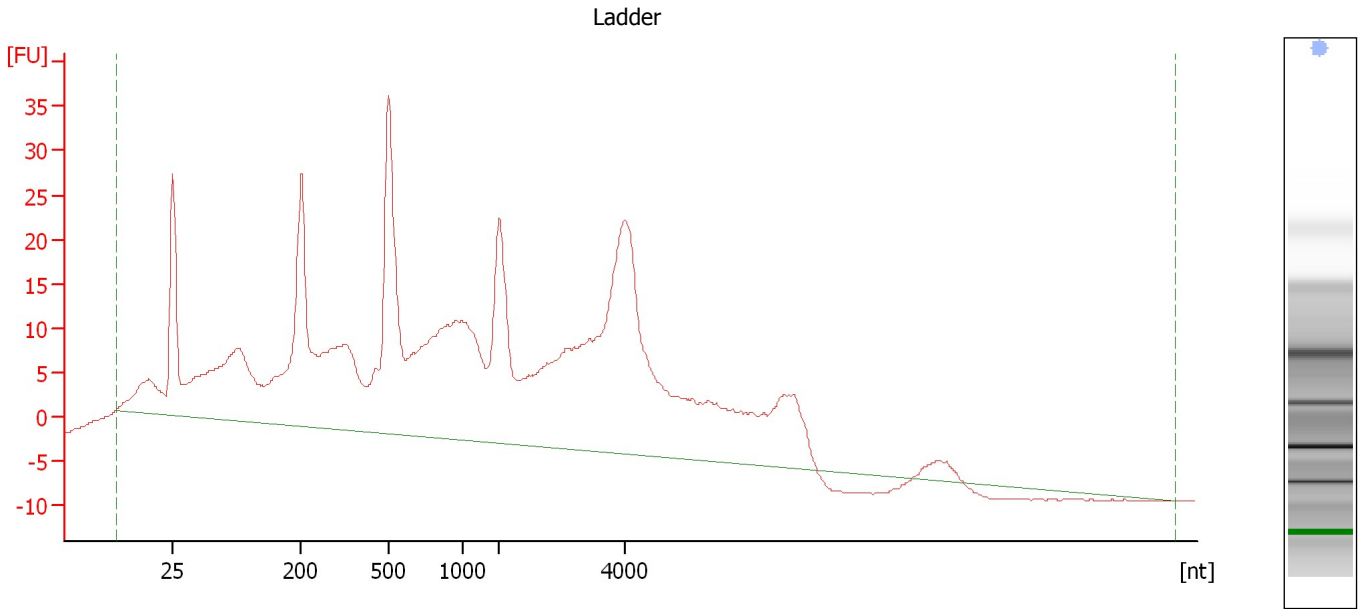
Ladder

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\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary



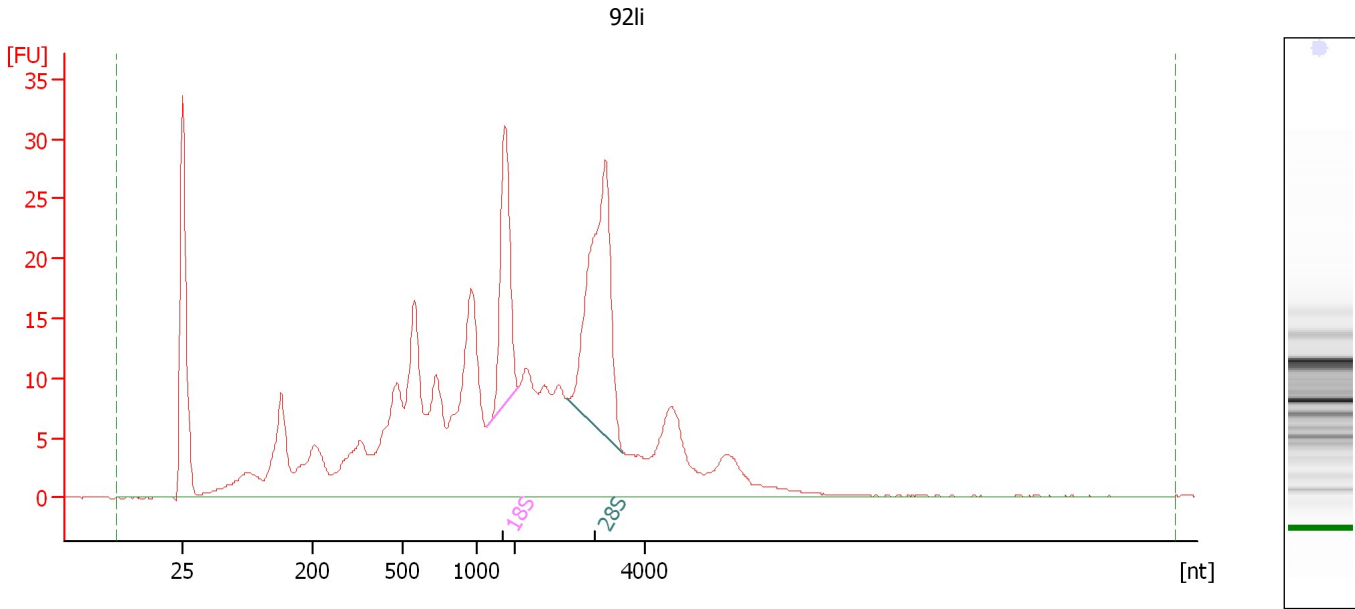
Overall Results for Ladder

RNA Area:	838.5	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\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
 Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 92li

RNA Area:	478.6	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	571 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 6.80

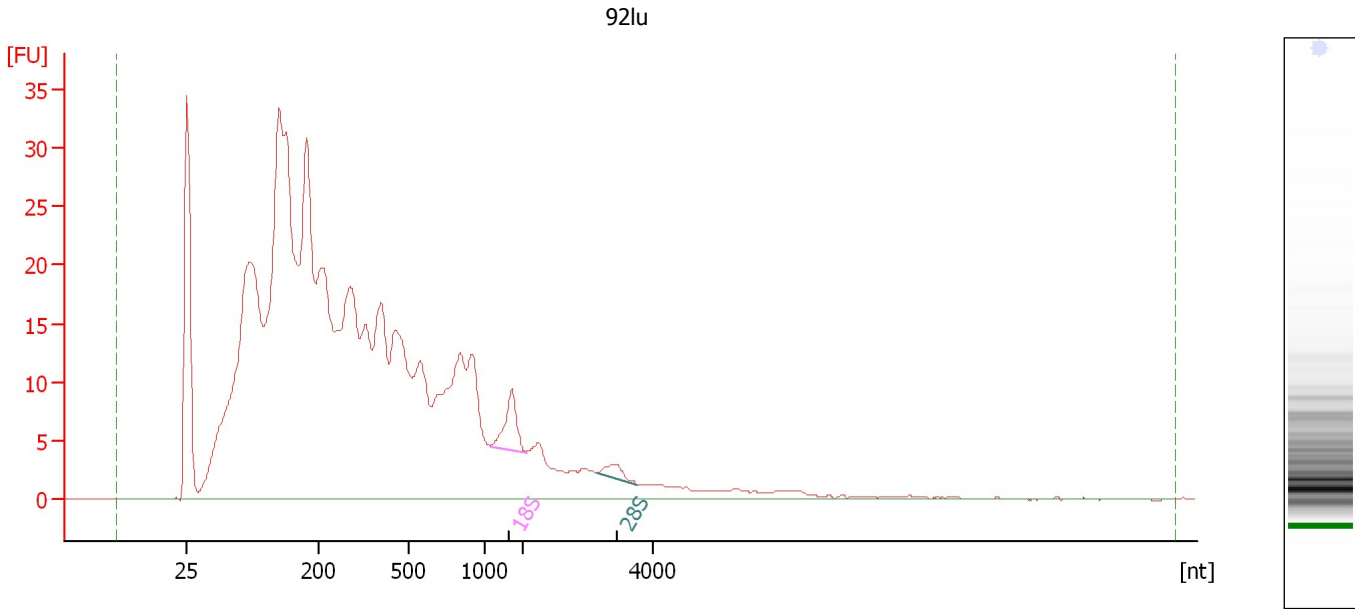
Fragment table for sample 1 : 92li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,266	2,046	31.1	6.5
28S	2,794	3,674	61.2	12.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 92lu

RNA Area: 734.2 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 876 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN: 2.70

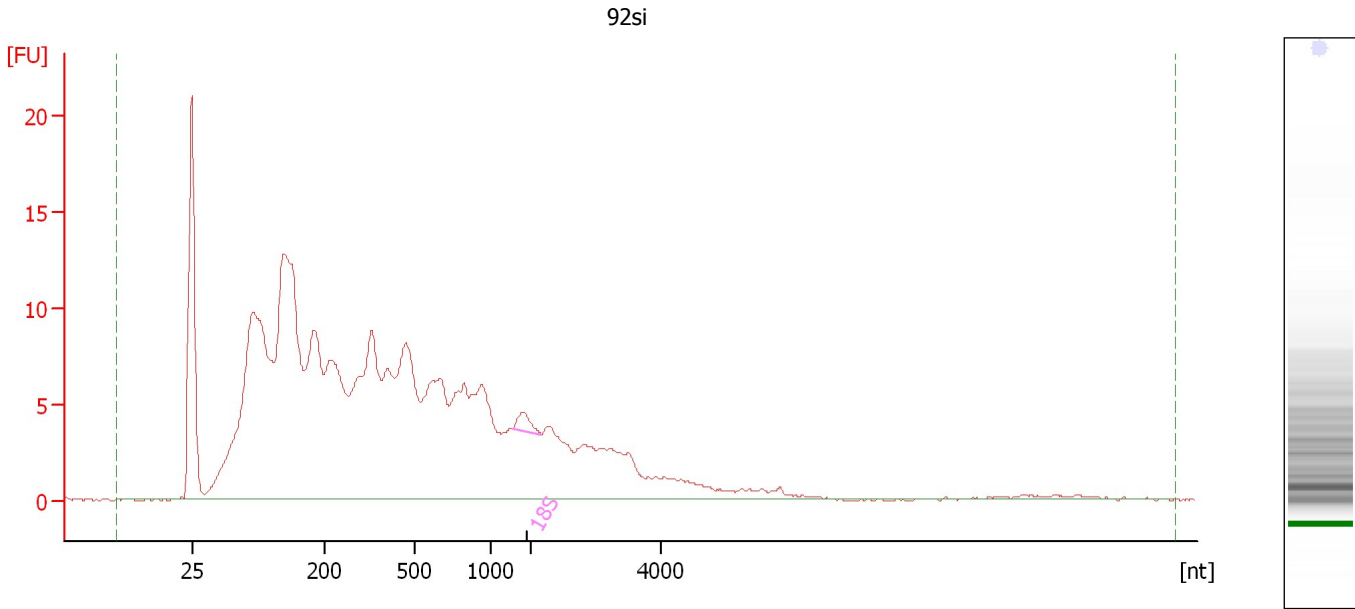
Fragment table for sample 2 : 92lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,140	2,050	8.2	1.1
28S	3,136	3,762	2.8	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 92si

RNA Area:	353.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	422 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

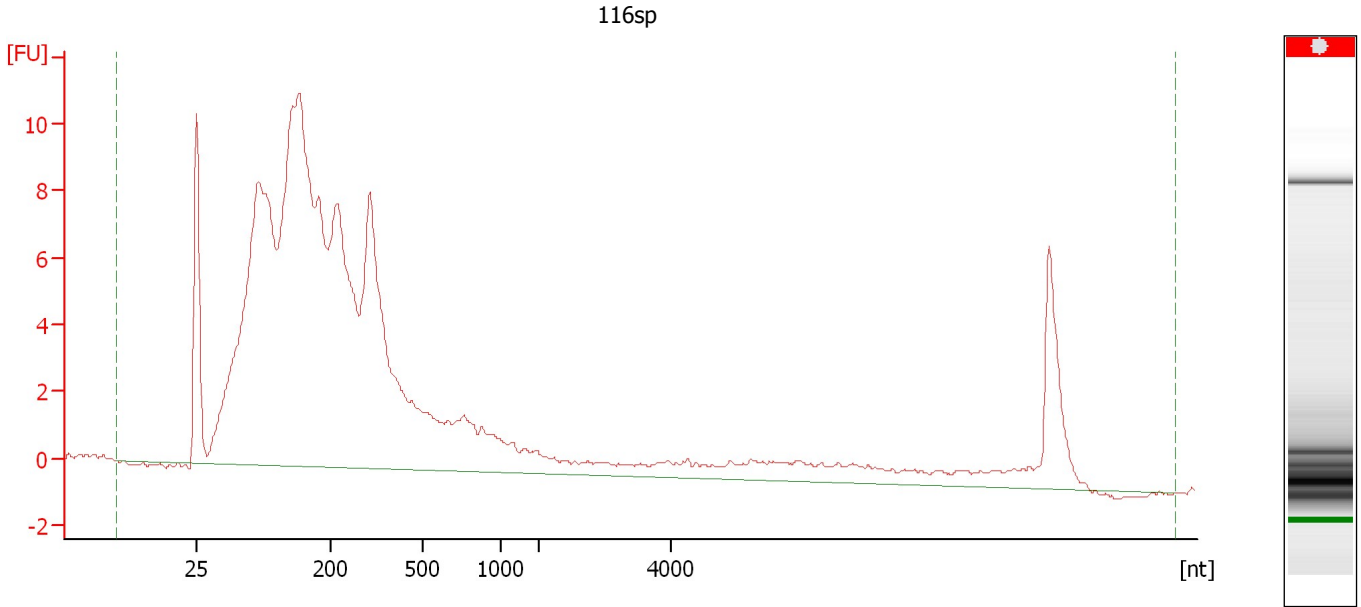
Fragment table for sample 3 : 92si

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	2,168	1.7	0.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



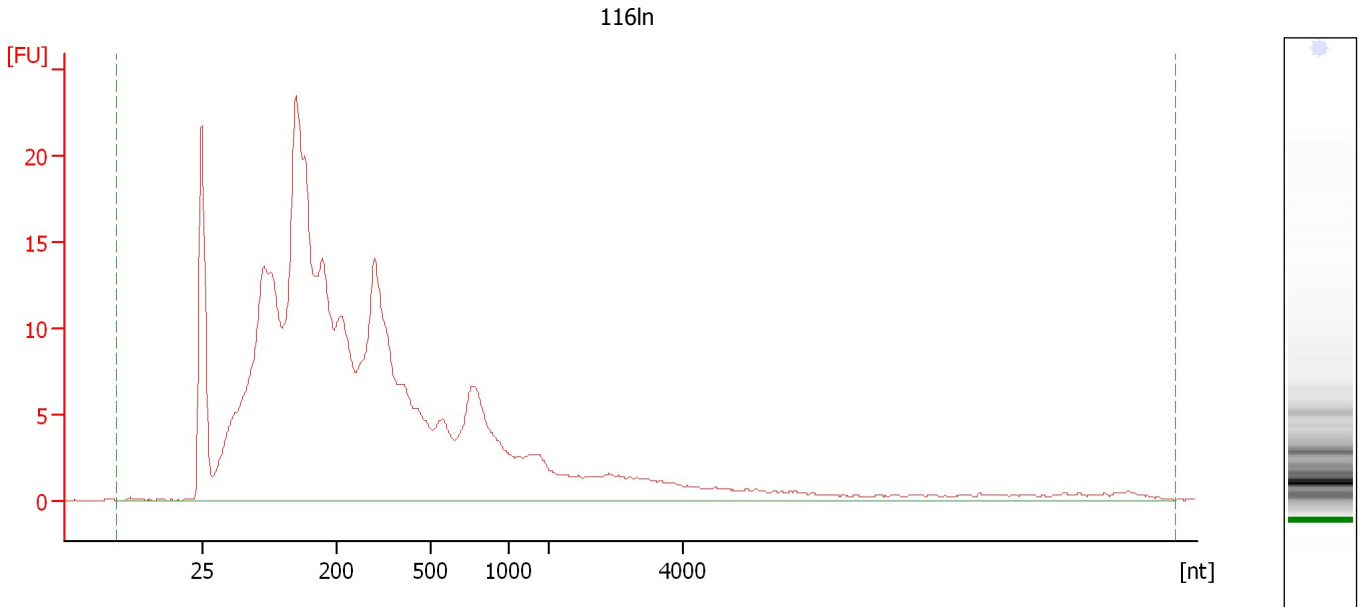
Overall Results for sample 4 : 116sp

RNA Area:	245.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	293 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



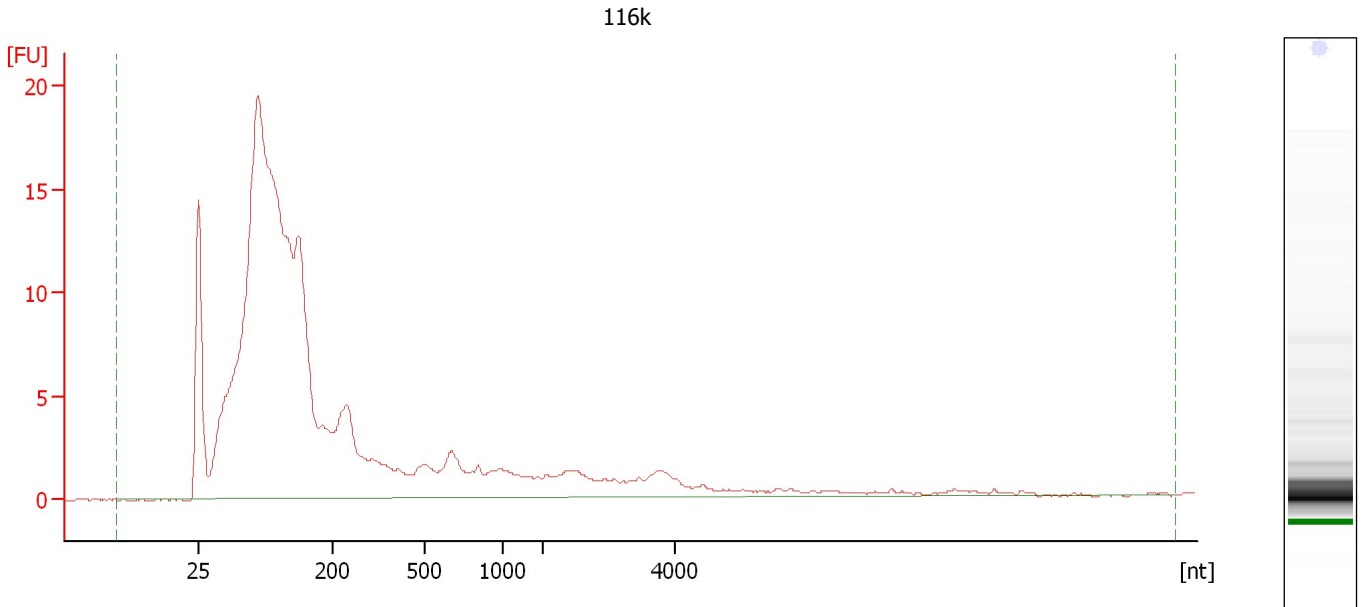
Overall Results for sample 5 : 116ln

RNA Area:	432.8	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	516 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



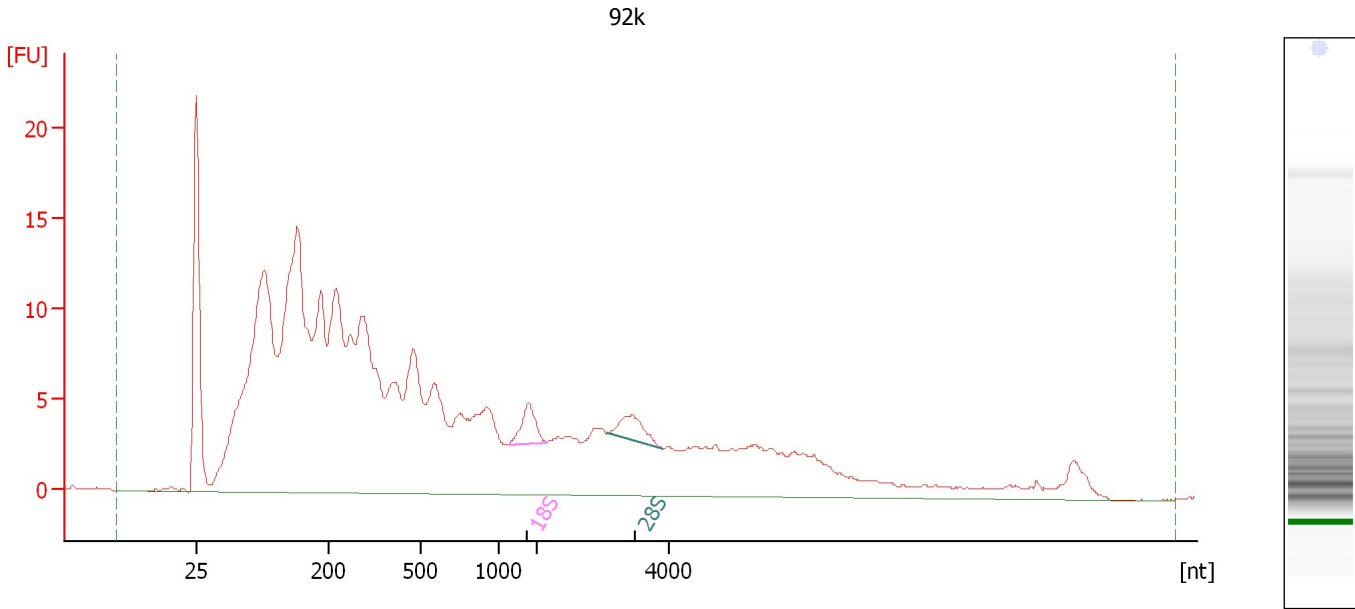
Overall Results for sample 6 : 116k

RNA Area:	277.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	330 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: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 92k

RNA Area: 435.8 RNA Integrity Number (RIN): 2.8 (B.02.08)
RNA Concentration: 520 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 2.80

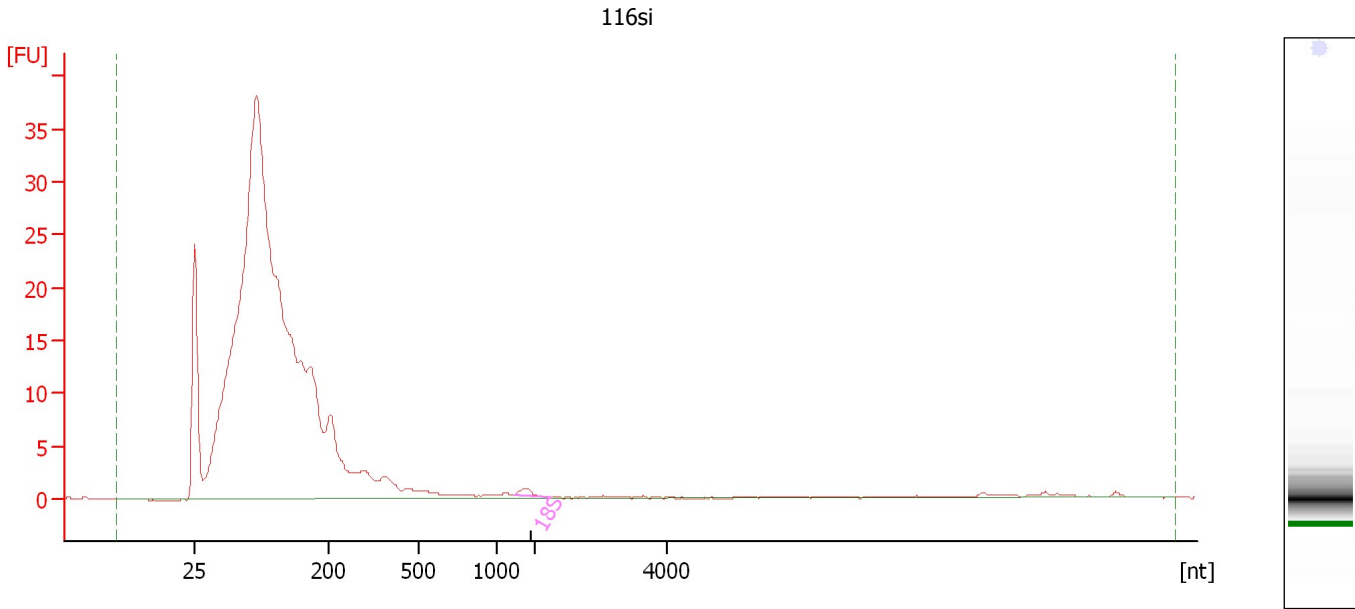
Fragment table for sample 7 : 92k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,250	2,138	4.4	1.0
28S	3,060	3,902	4.2	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 116si

RNA Area:	405.0	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	483 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

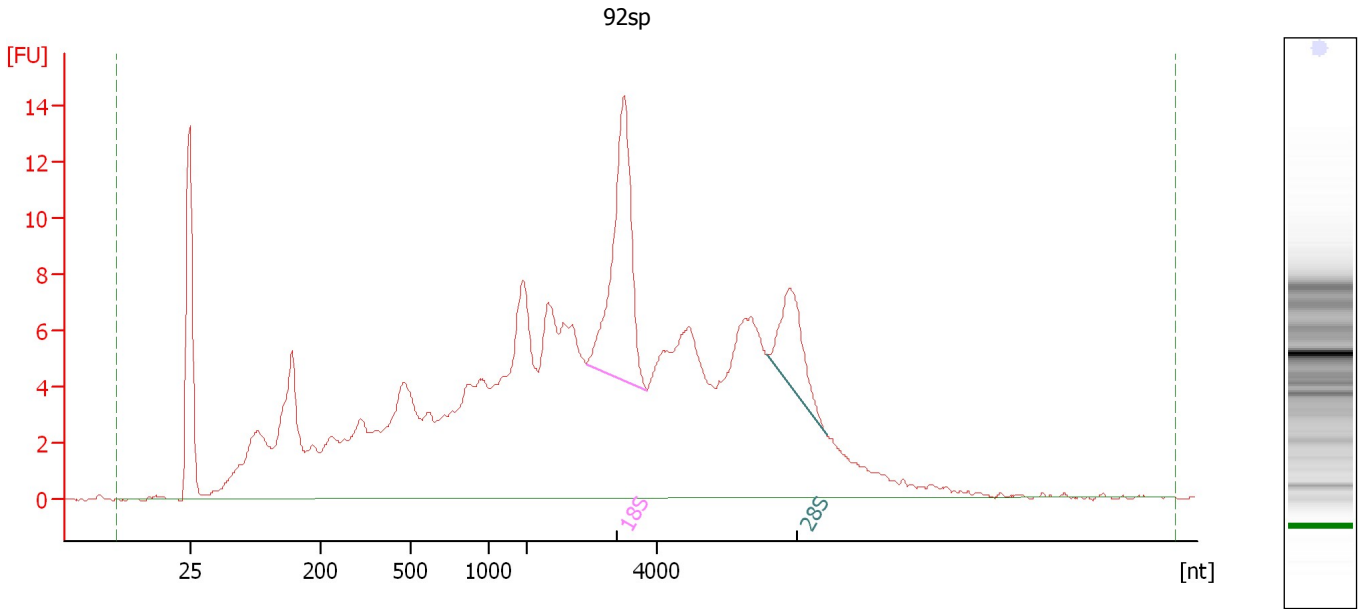
Fragment table for sample 8 : 116si

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,486	2,214	1.0	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
 Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 92sp

RNA Area:	320.2	RNA Integrity Number (RIN):	5.1 (B.02.08)
RNA Concentration:	382 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 5.10

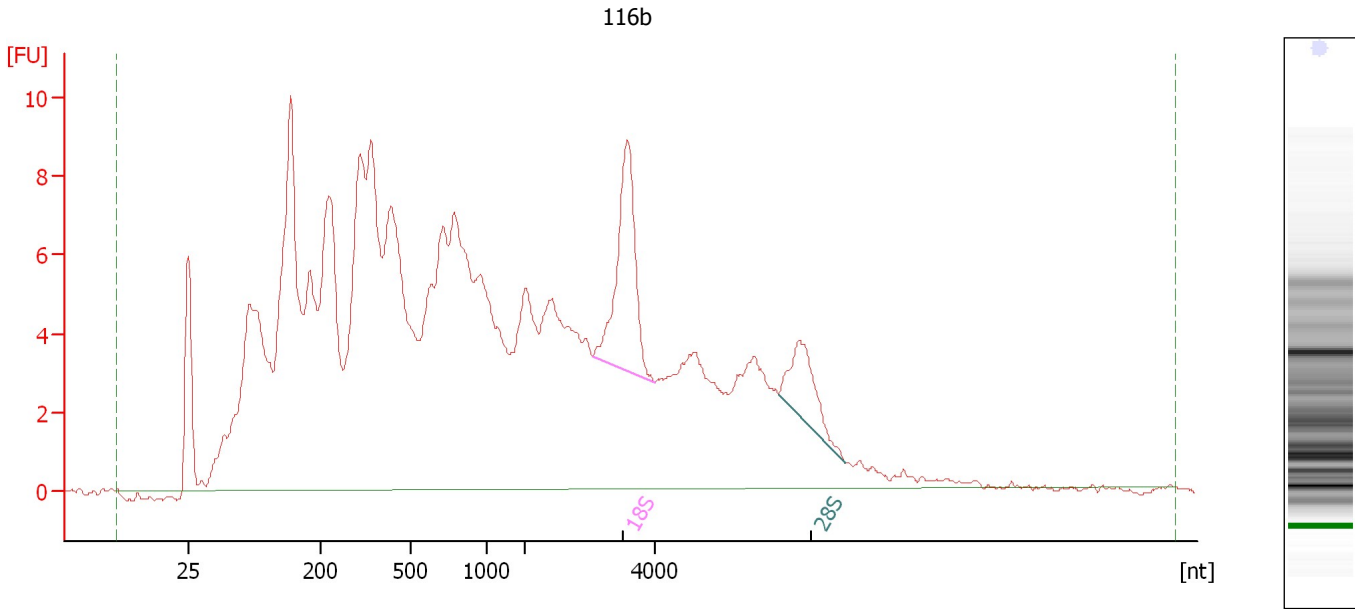
Fragment table for sample 9 : 92sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,912	3,830	23.2	7.2
28S	5,683	6,601	8.7	2.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 116b

RNA Area: 353.4 RNA Integrity Number (RIN): 3.8 (B.02.08)
RNA Concentration: 421 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 3.80

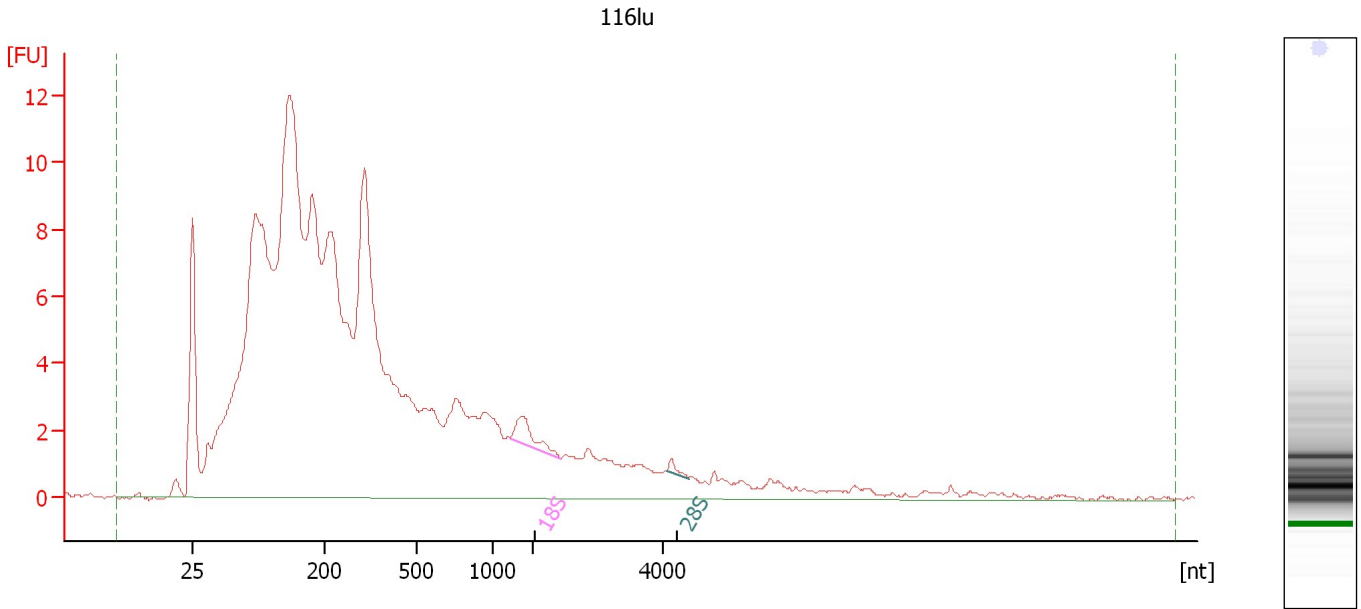
Fragment table for sample 10 : 116b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	3,041	4,010	12.9	3.6
28S	5,899	6,918	5.2	1.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 116lu

RNA Area:	270.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	323 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.50

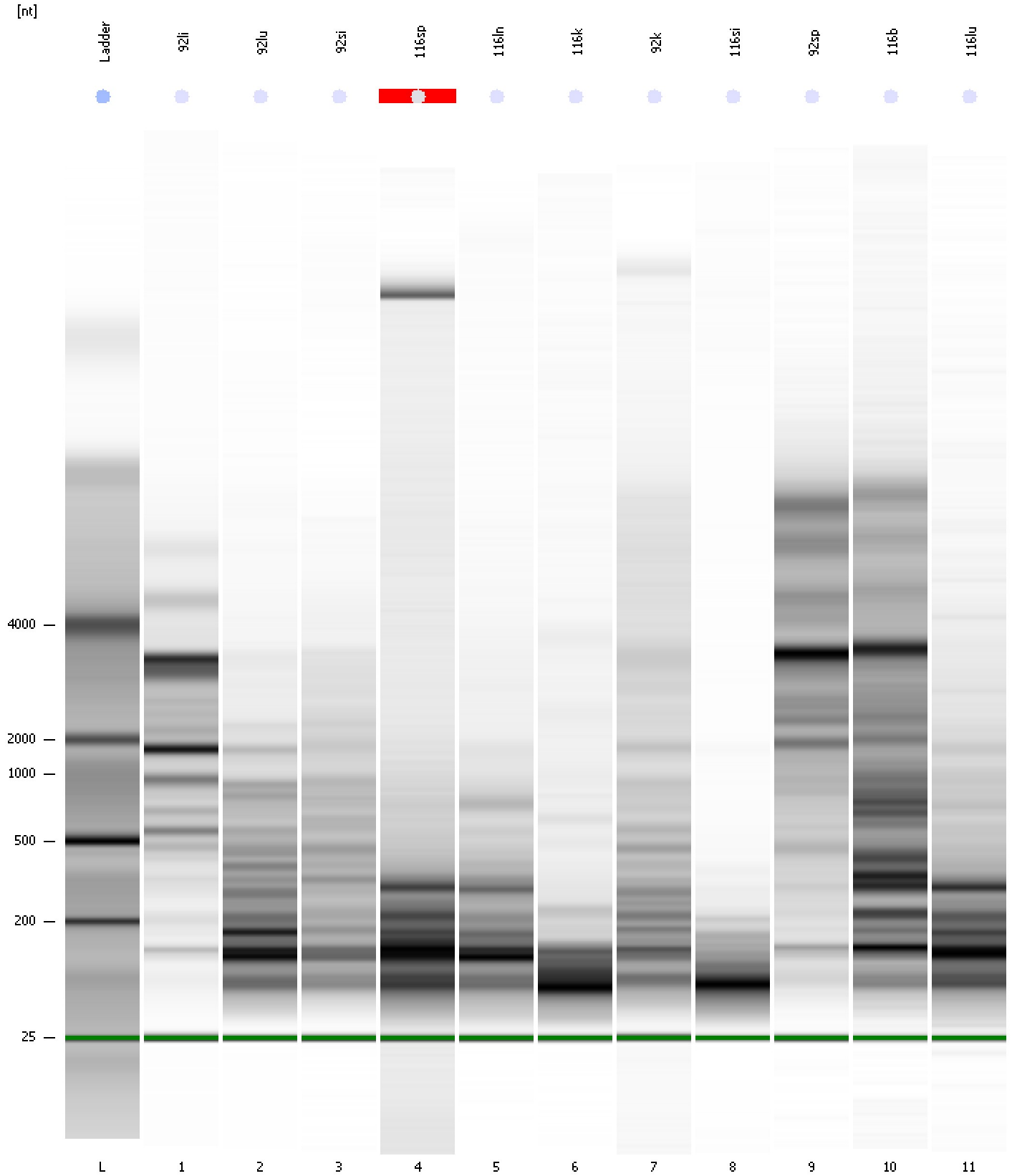
Fragment table for sample 11 : 116lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,440	2,449	2.0	0.7
28S	4,045	4,387	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-17\2017-07-17_001.xad

Created: 7/17/2017 9:22:30 AM
Modified: 7/17/2017 9:46:35 AM

Curves

Standard Curve

