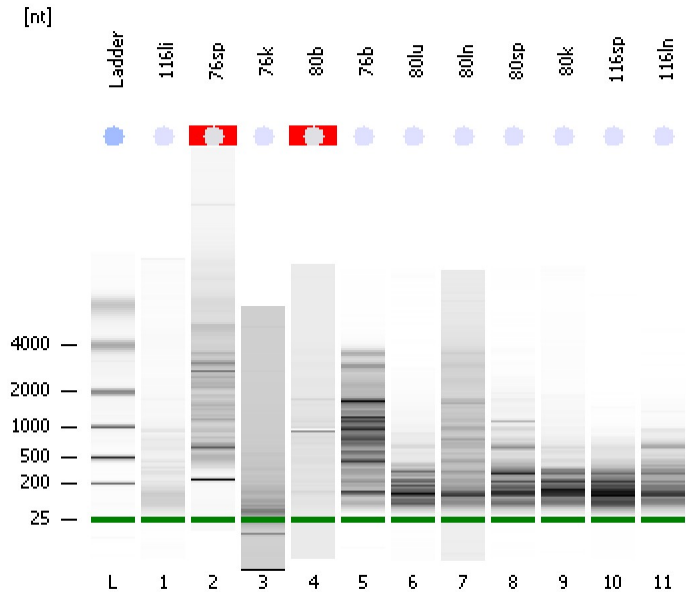


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
 Modified: 7/21/2017 10:20:37 AM

Electrophoresis File Run Summary



Instrument Information:

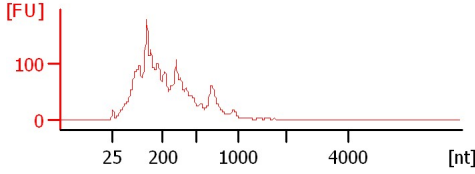
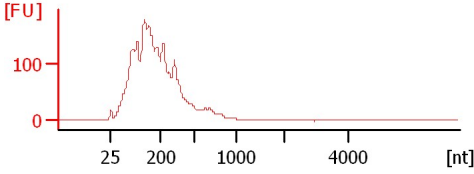
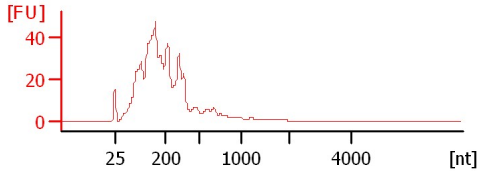
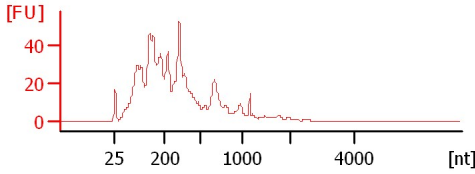
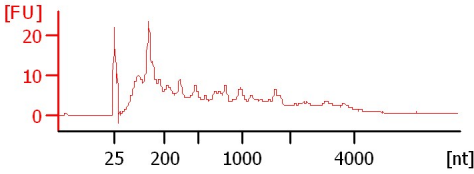
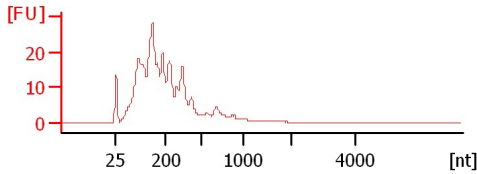
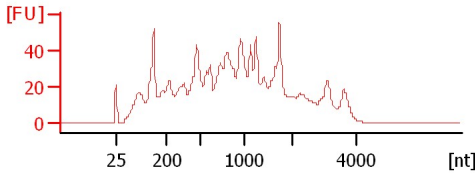
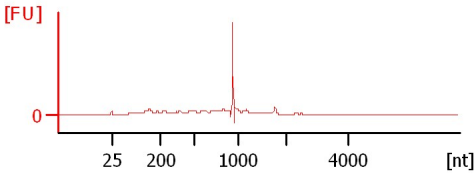
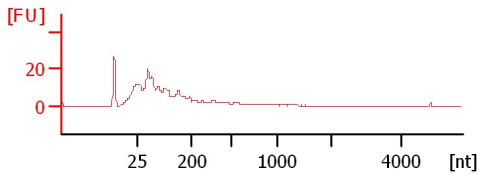
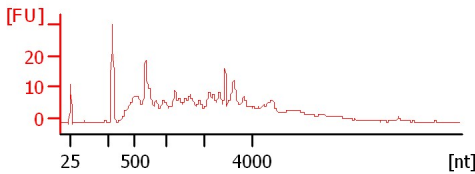
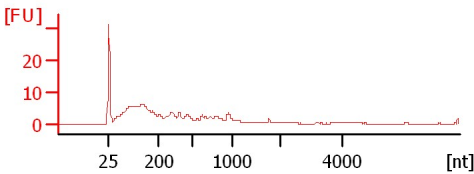
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
116li		✓	RIN: 2.10	
76sp		✓	RIN N/A	
76k		✓	RIN: 2.40	
80b		✓	RIN N/A	
76b		✓	RIN:4	
80lu		✓	RIN: 2.30	
80ln		✓	RIN: 2.90	
80sp		✓	RIN: 2.60	
80k		✓	RIN: 2.30	
116sp		✓	RIN: 2.30	
116ln		✓	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\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 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

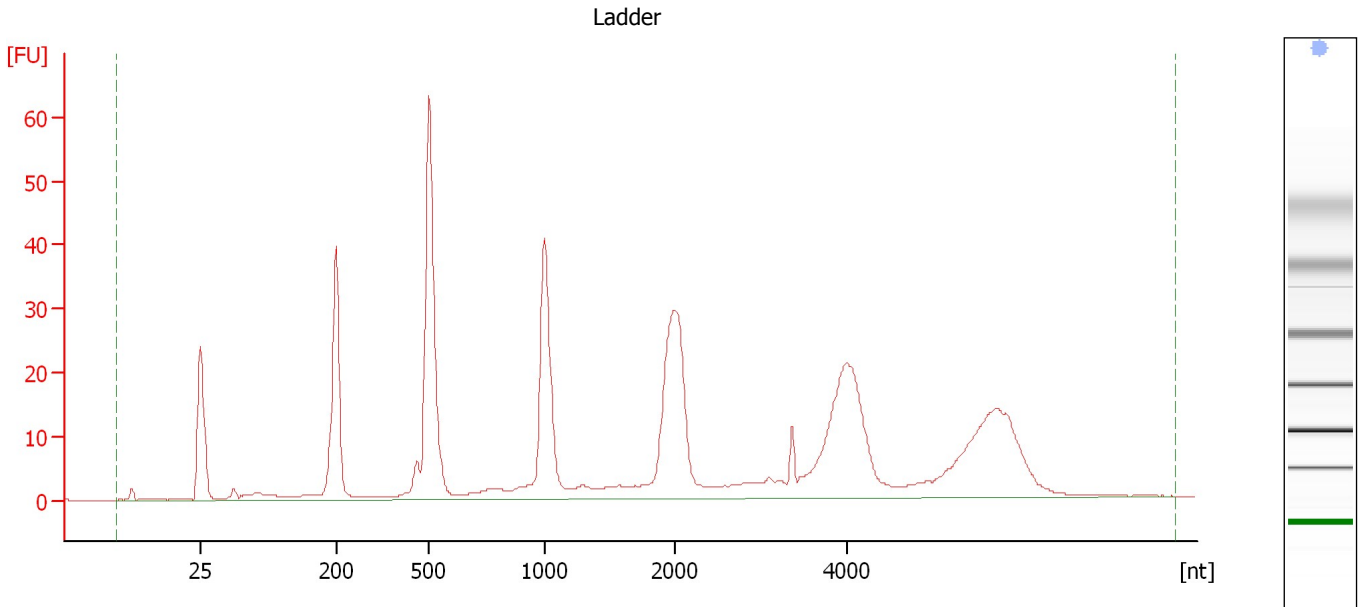
Ladder

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\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
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Electropherogram Summary



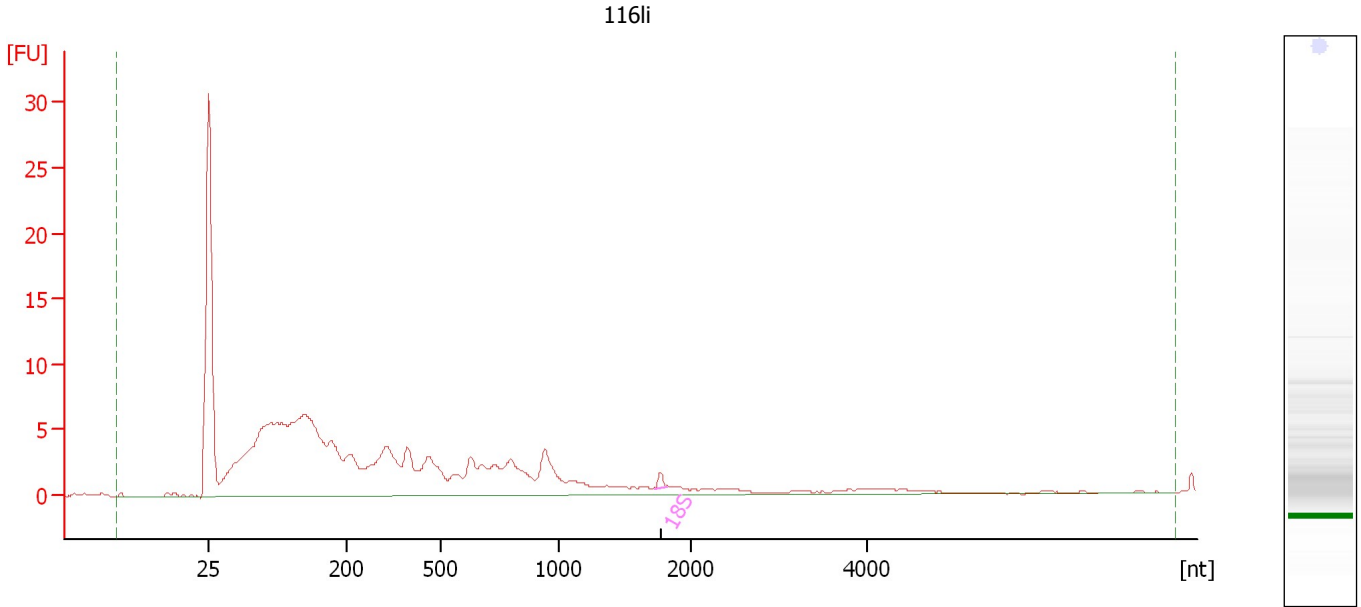
Overall Results for Ladder

RNA Area:	503.0	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\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : 116li

RNA Area:	175.4	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	349 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

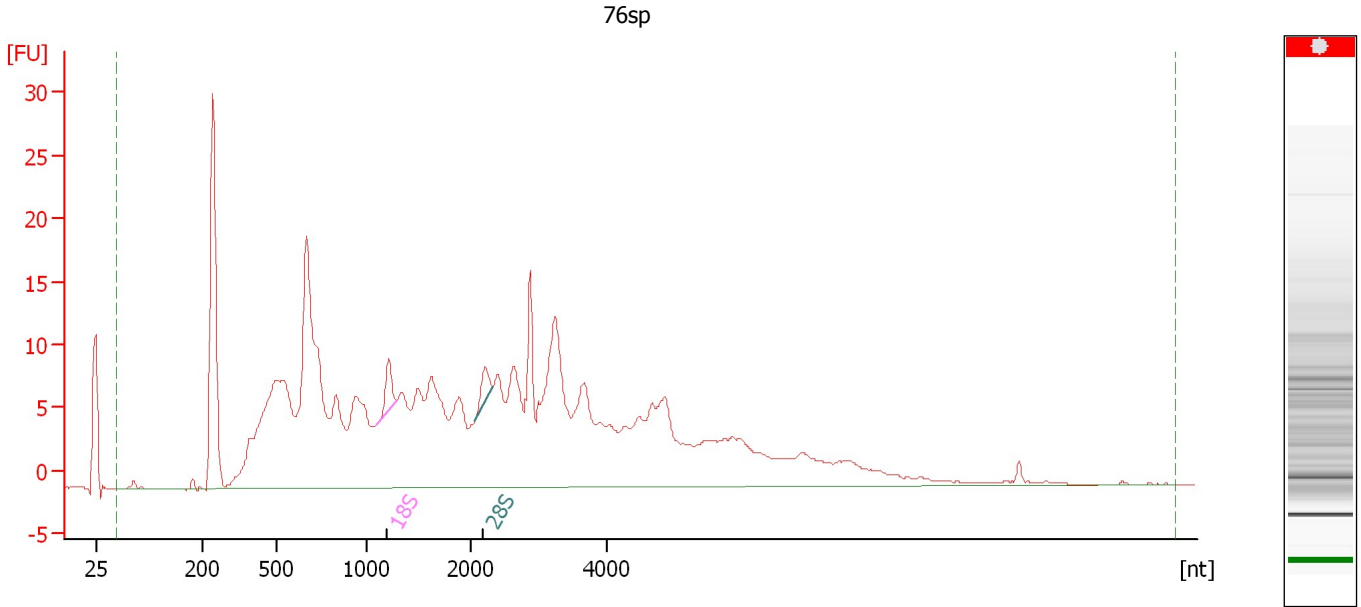
Fragment table for sample 1 : 116li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	1,809	0.6	0.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 76sp

RNA Area:	499.5	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	993 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN N/A

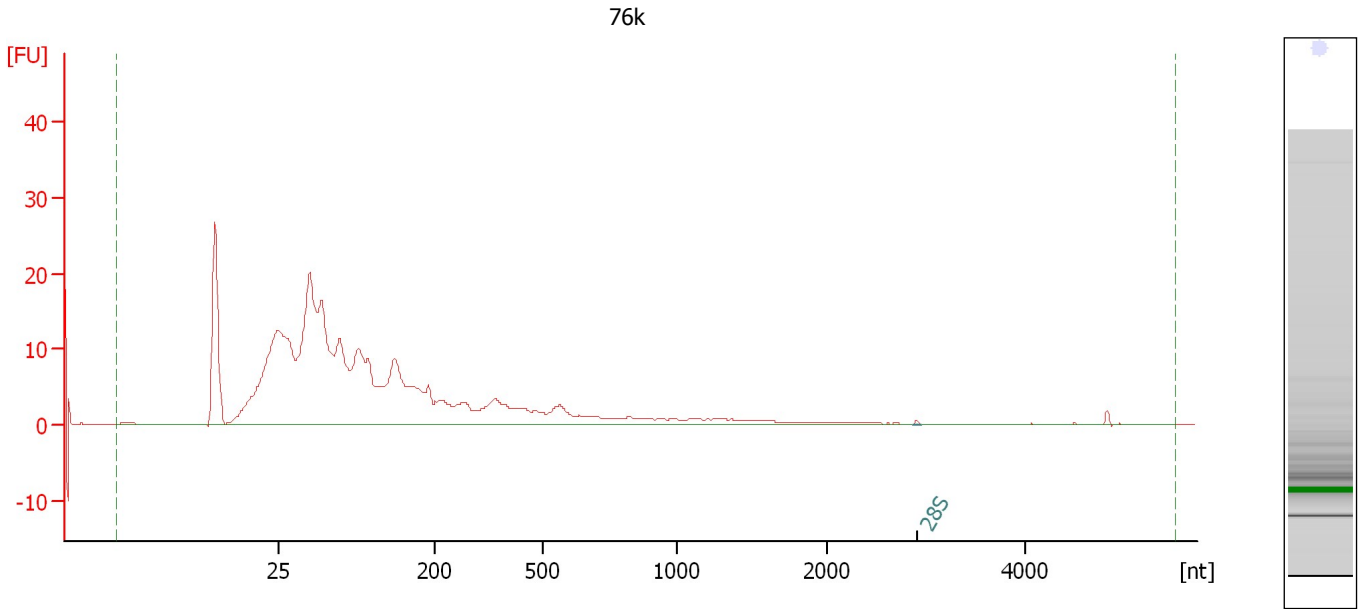
Fragment table for sample 2 : 76sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,097	1,273	4.3	0.9
28S	2,062	2,313	2.9	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 76k

RNA Area:	281.3	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	559 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

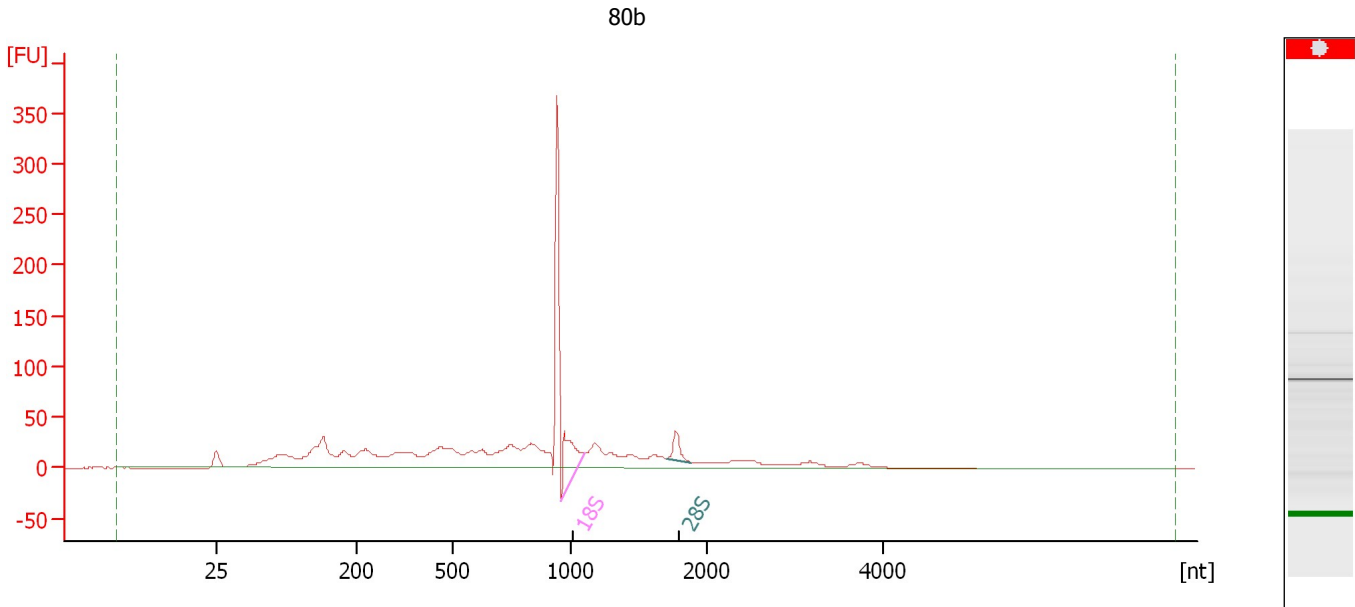
Fragment table for sample 3 : 76k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,867	2,953	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 80b

RNA Area:	1,099.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,185 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN N/A

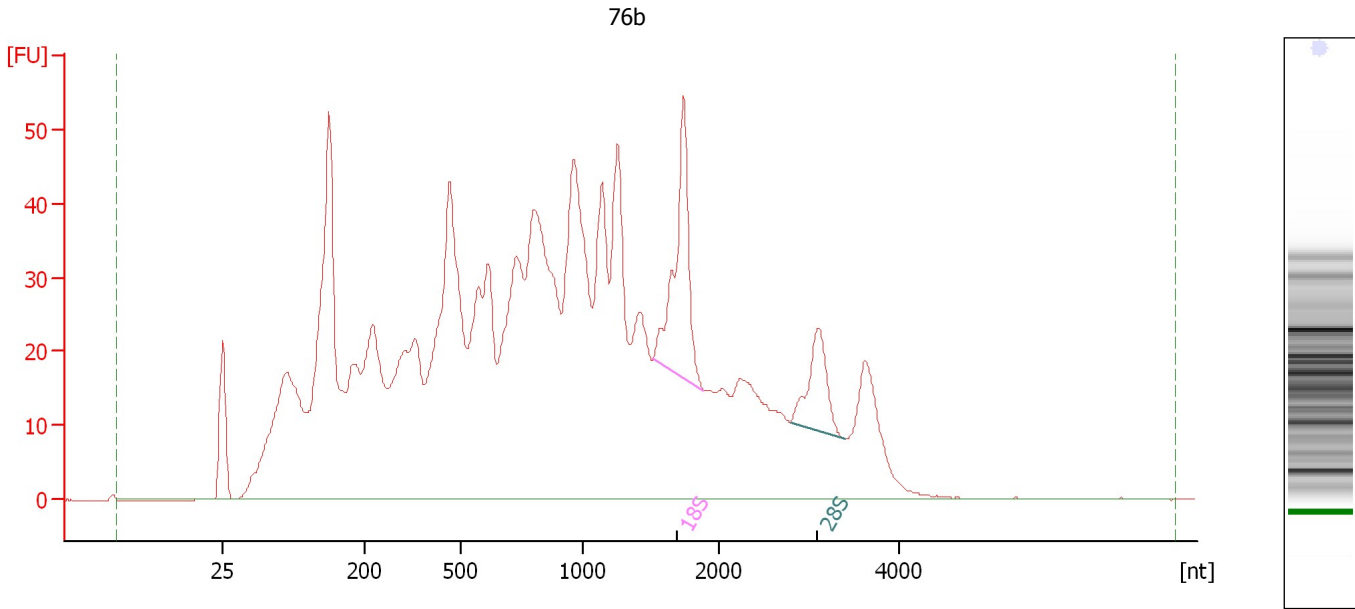
Fragment table for sample 4 : 80b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	958	1,092	72.2	6.6
28S	1,712	1,886	19.5	1.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : 76b

RNA Area:	1,672.3	RNA Integrity Number (RIN):	4 (B.02.08)
RNA Concentration:	3,325 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN:4

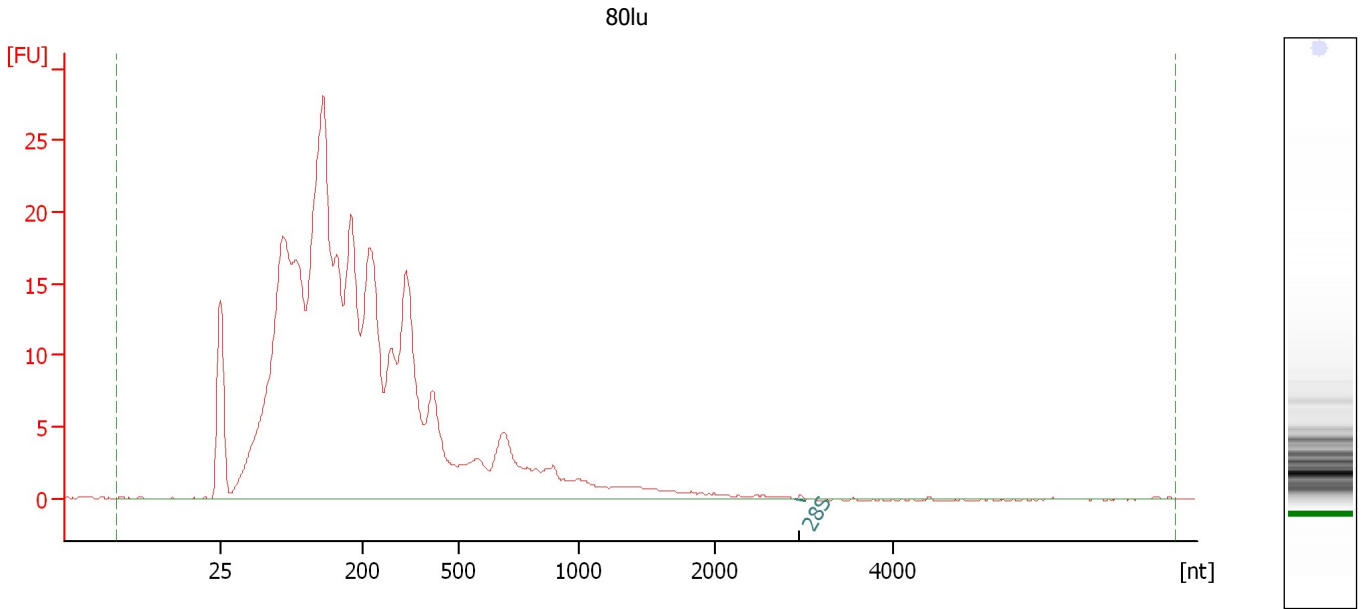
Fragment table for sample 5 : 76b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,522	1,890	59.9	3.6
28S	2,797	3,415	26.4	1.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : 80lu

RNA Area:	450.5	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	896 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

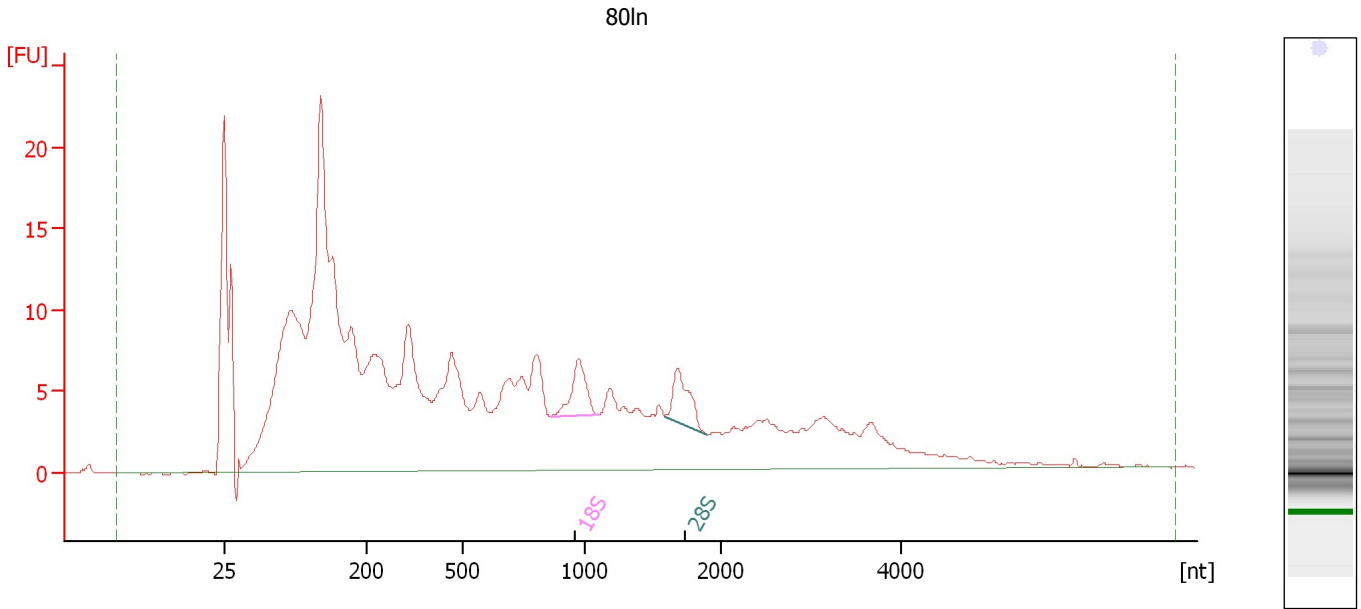
Fragment table for sample 6 : 80lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,906	3,014	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 80In

RNA Area: 417.7 RNA Integrity Number (RIN): 2.9 (B.02.08)
RNA Concentration: 830 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 2.90

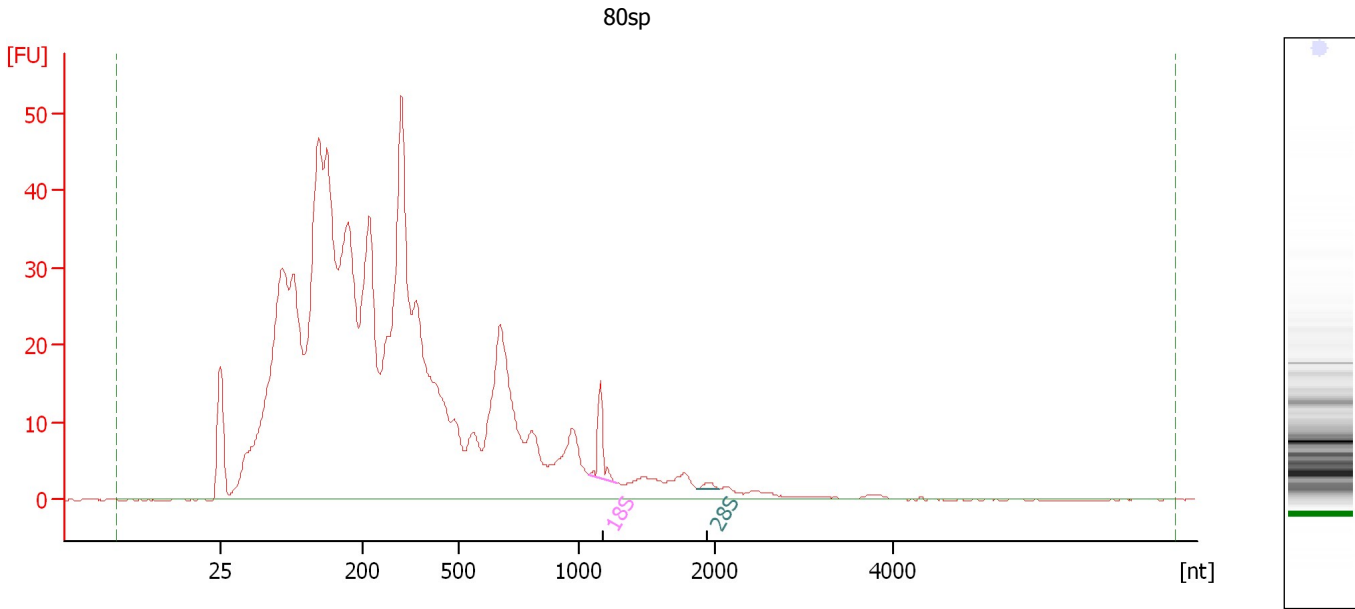
Fragment table for sample 7 : 80In

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	862	1,108	6.5	1.5
28S	1,586	1,907	6.2	1.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
 Modified: 7/21/2017 10:20:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 80sp

RNA Area:	999.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,987 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.60

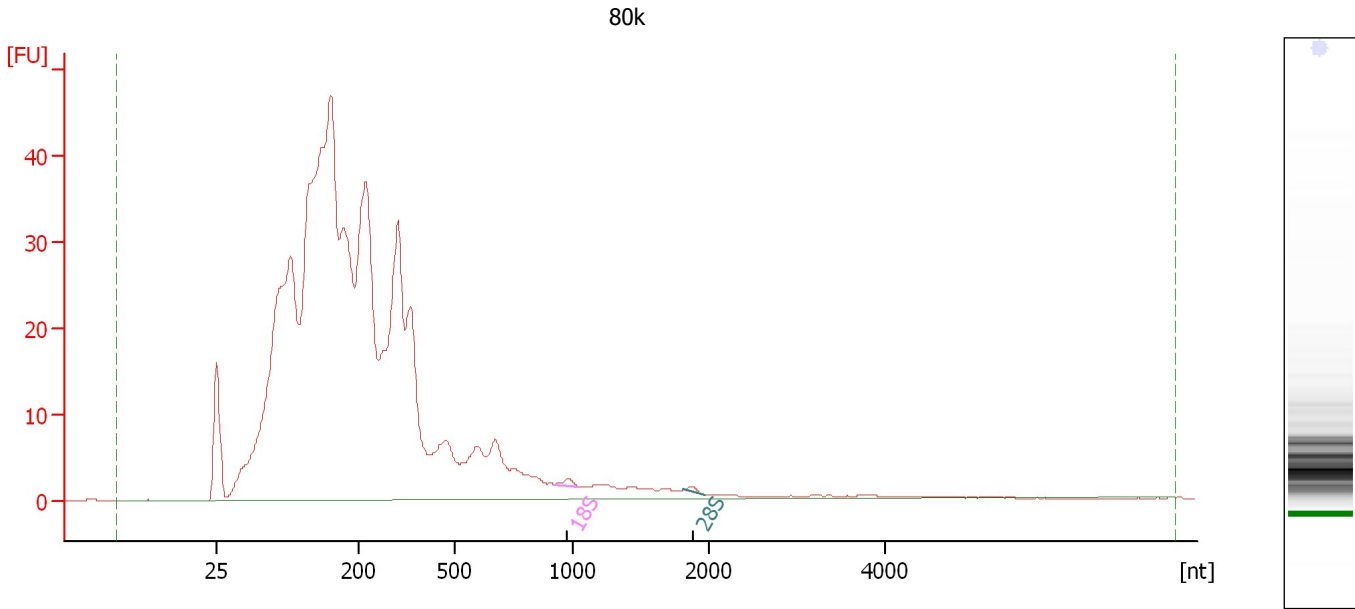
Fragment table for sample 8 : 80sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,070	1,275	7.9	0.8
28S	1,873	2,059	1.0	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
 Modified: 7/21/2017 10:20:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 80k

RNA Area:	797.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	1,586 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 2.30

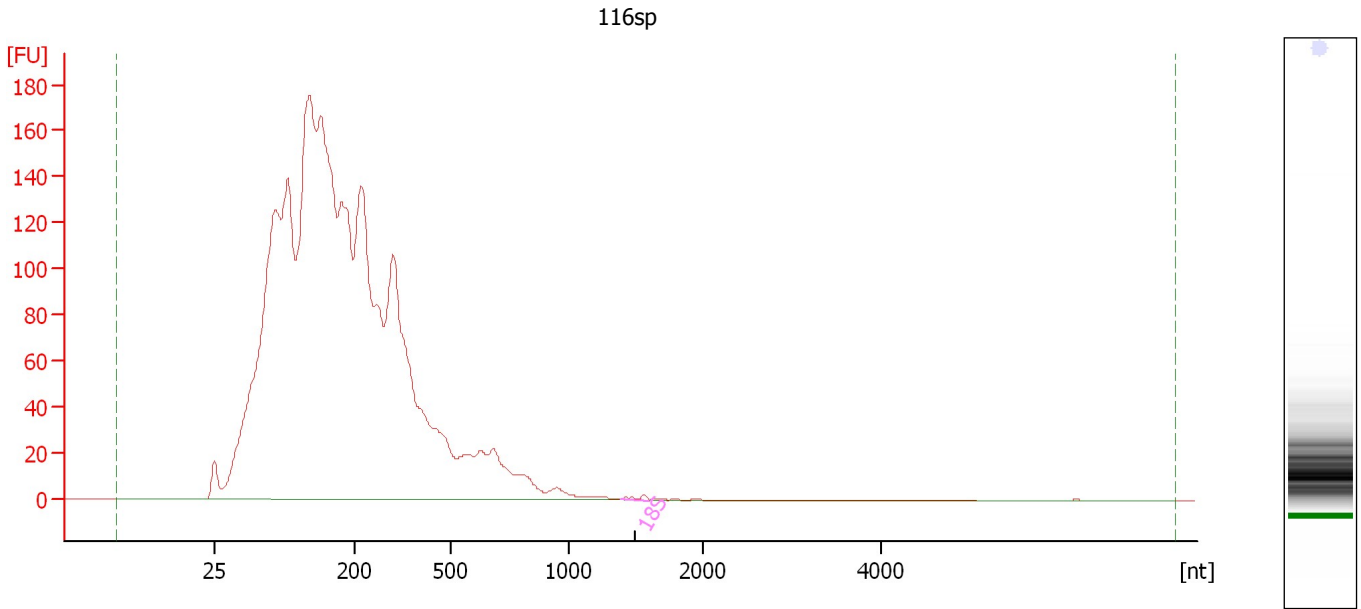
Fragment table for sample 9 : 80k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	923	1,047	1.0	0.1
28S	1,816	1,974	0.6	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 116sp

RNA Area:	3,394.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	6,748 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

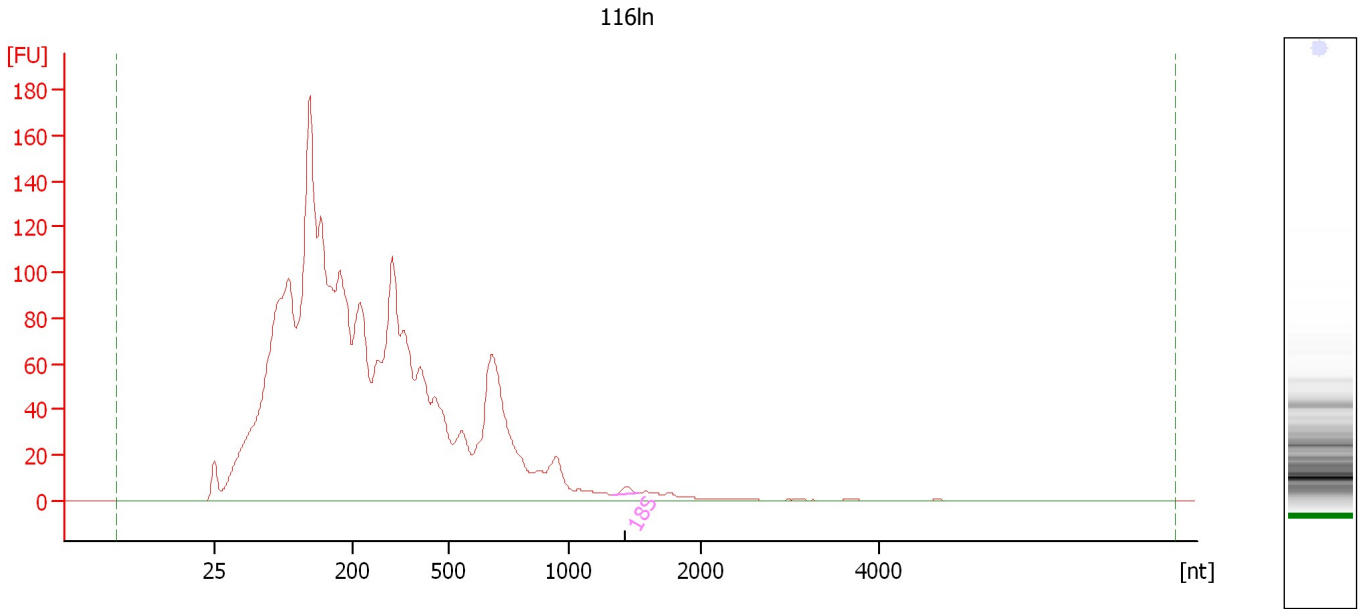
Fragment table for sample 10 : 116sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	1,591	2.0	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
 Modified: 7/21/2017 10:20:37 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 116ln

RNA Area:	2,923.3	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	5,812 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

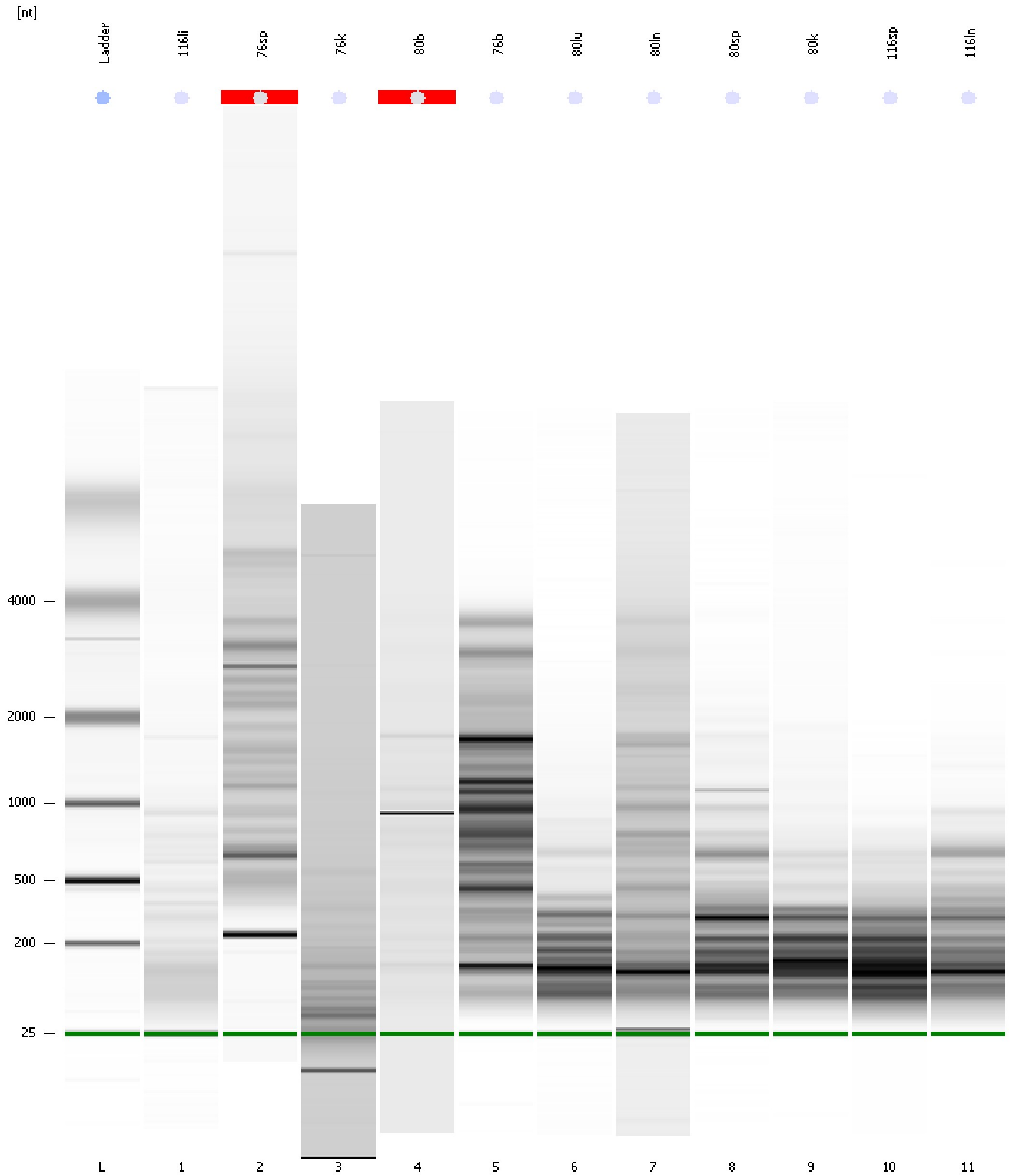
Fragment table for sample 11 : 116ln

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,343	1,526	4.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21_001.xad

Created: 7/21/2017 9:59:39 AM
Modified: 7/21/2017 10:20:37 AM

Curves

Standard Curve

