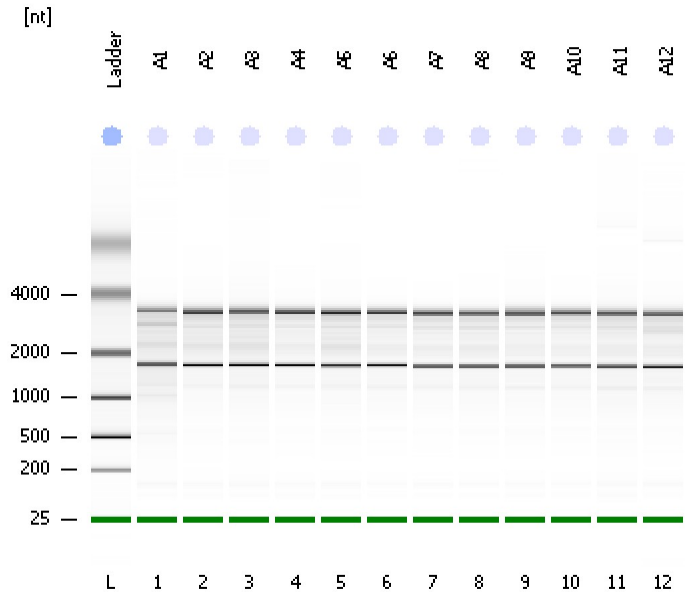


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electrophoresis File Run Summary



Instrument Information:

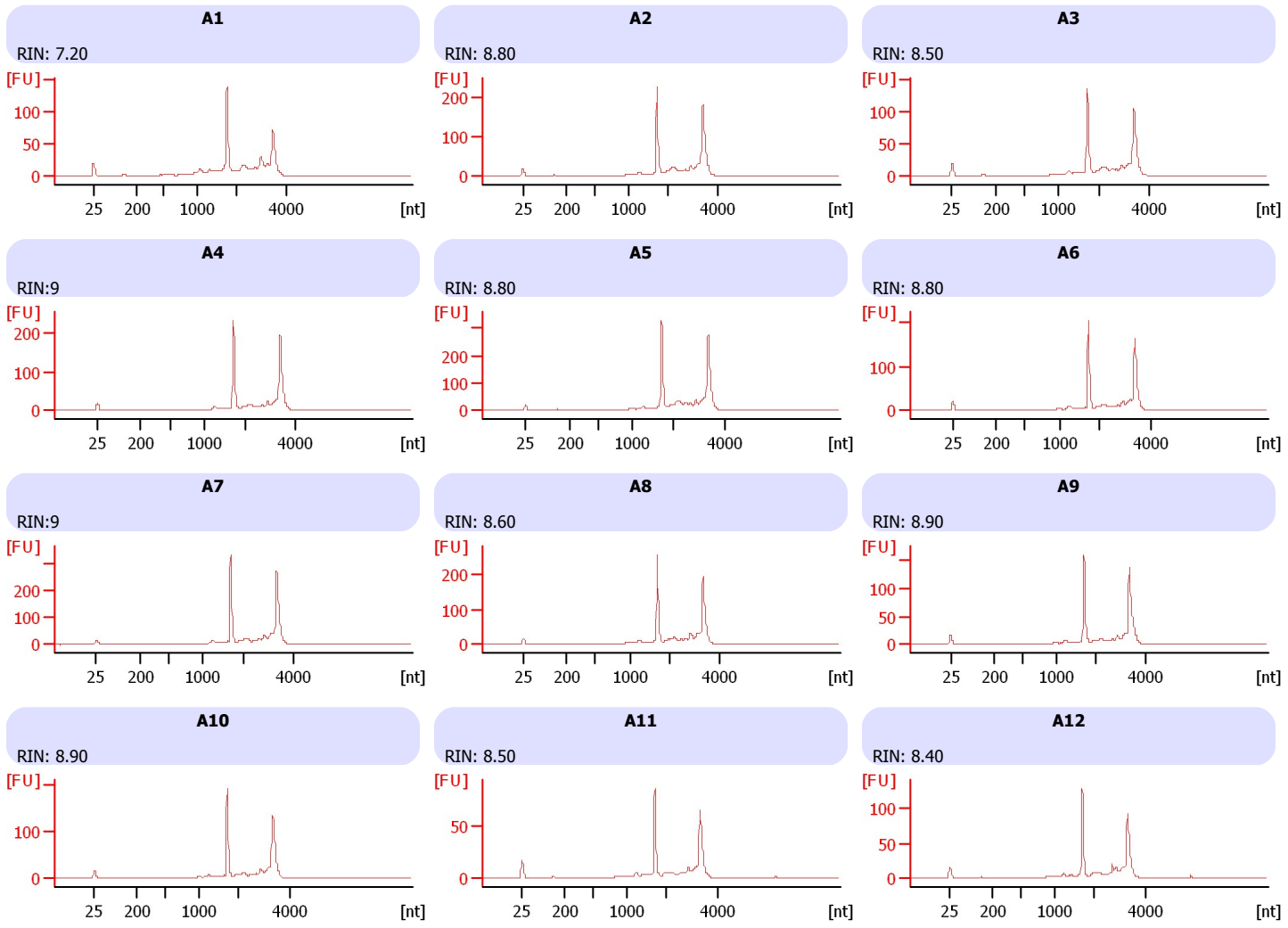
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
 Modified: 3/15/2018 1:44:06 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
A1		✓	RIN: 7.20	
A2		✓	RIN: 8.80	
A3		✓	RIN: 8.50	
A4		✓	RIN:9	
A5		✓	RIN: 8.80	
A6		✓	RIN: 8.80	
A7		✓	RIN:9	
A8		✓	RIN: 8.60	
A9		✓	RIN: 8.90	
A10		✓	RIN: 8.90	
A11		✓	RIN: 8.50	
A12		✓	RIN: 8.40	
Ladder		✓	All Other Samples	

Chip Lot #

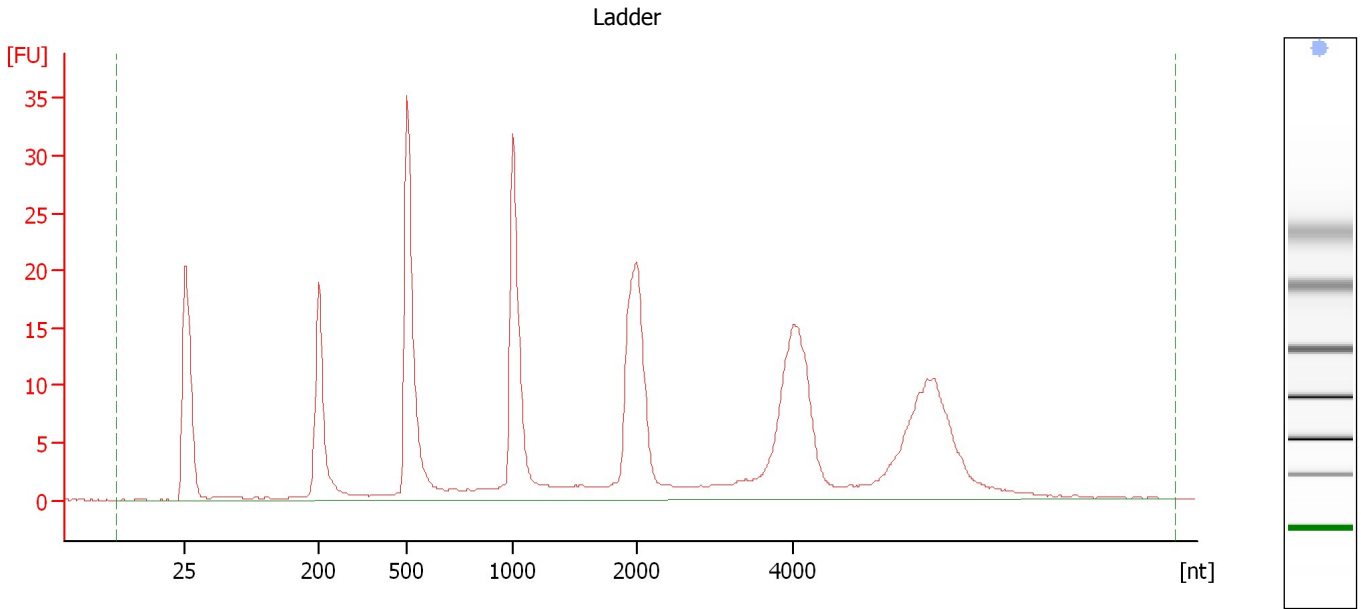
Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary



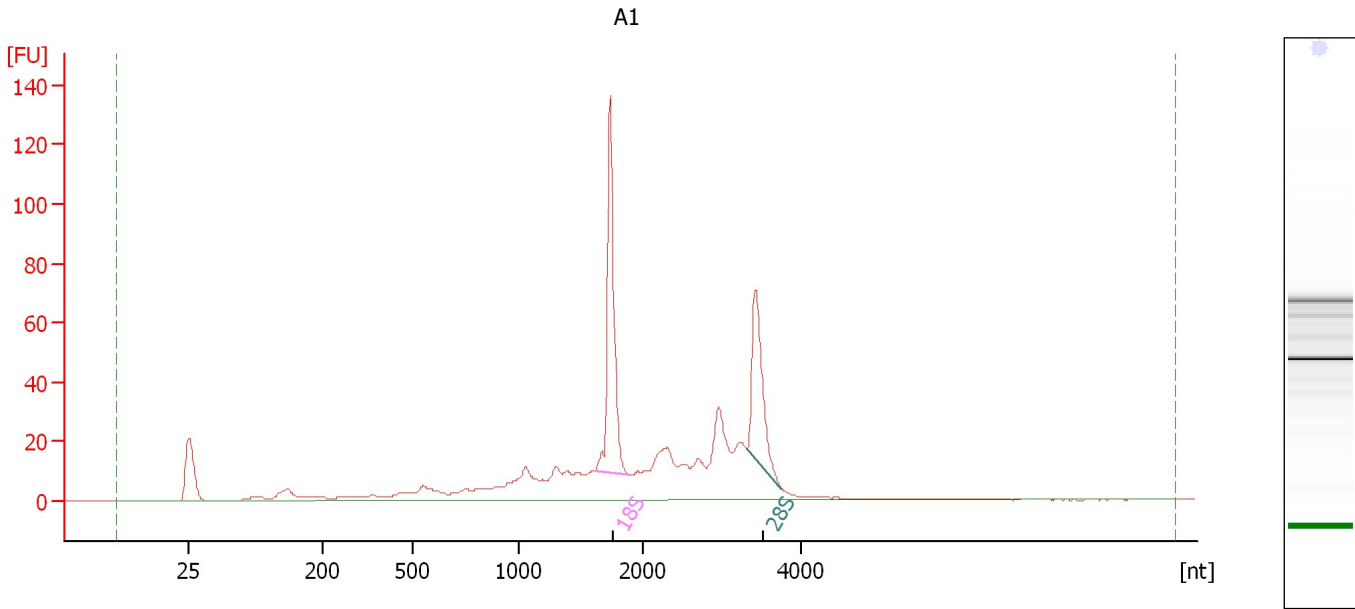
Overall Results for Ladder

RNA Area:	310.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A1

RNA Area:	594.1	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	287 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 7.20

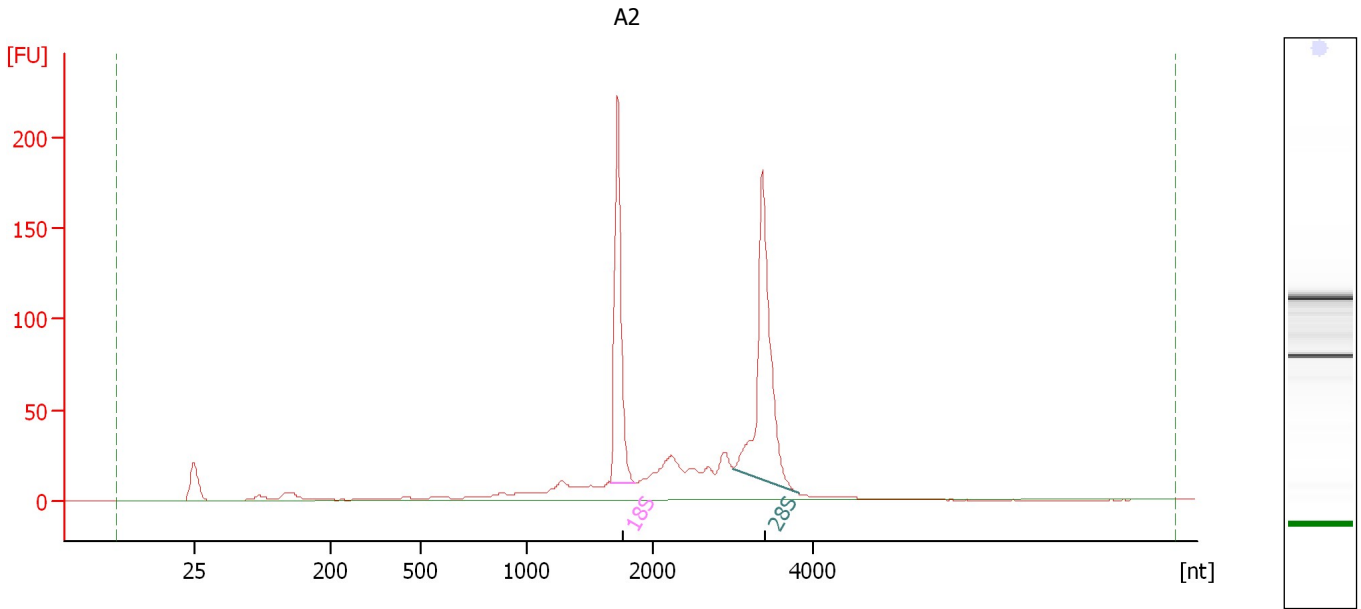
Fragment table for sample 1 : A1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,613	1,906	105.3	17.7
28S	3,327	3,759	62.3	10.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : A2

RNA Area: 805.3 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 389 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.80

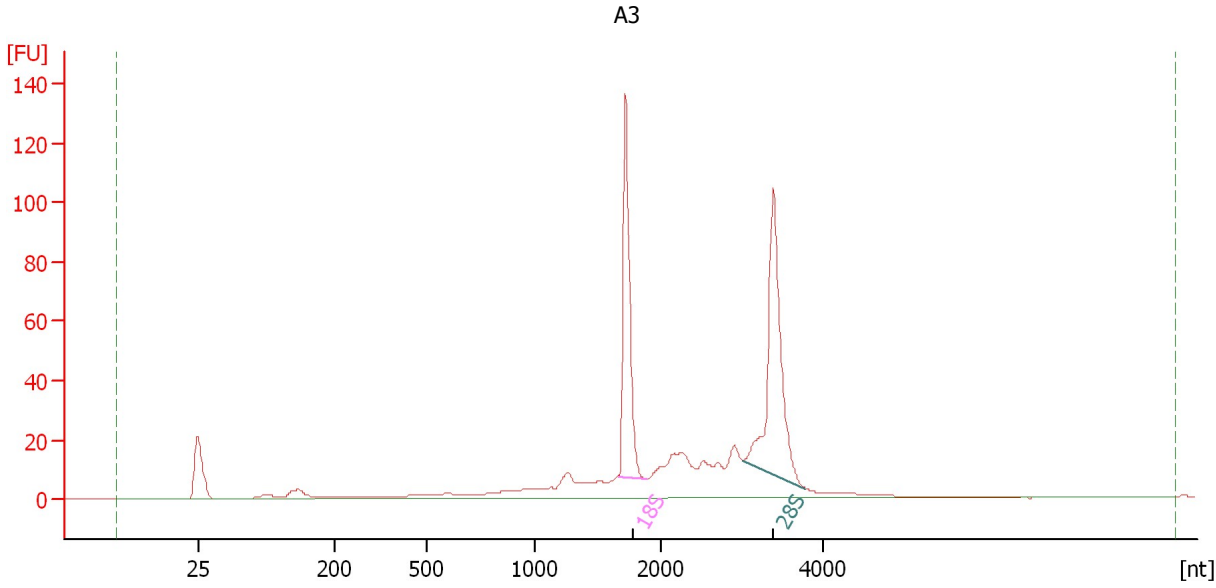
Fragment table for sample 2 : A2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,859	167.4	20.8
28S	3,010	3,825	231.0	28.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A3

RNA Area: 511.8 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 247 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 8.50

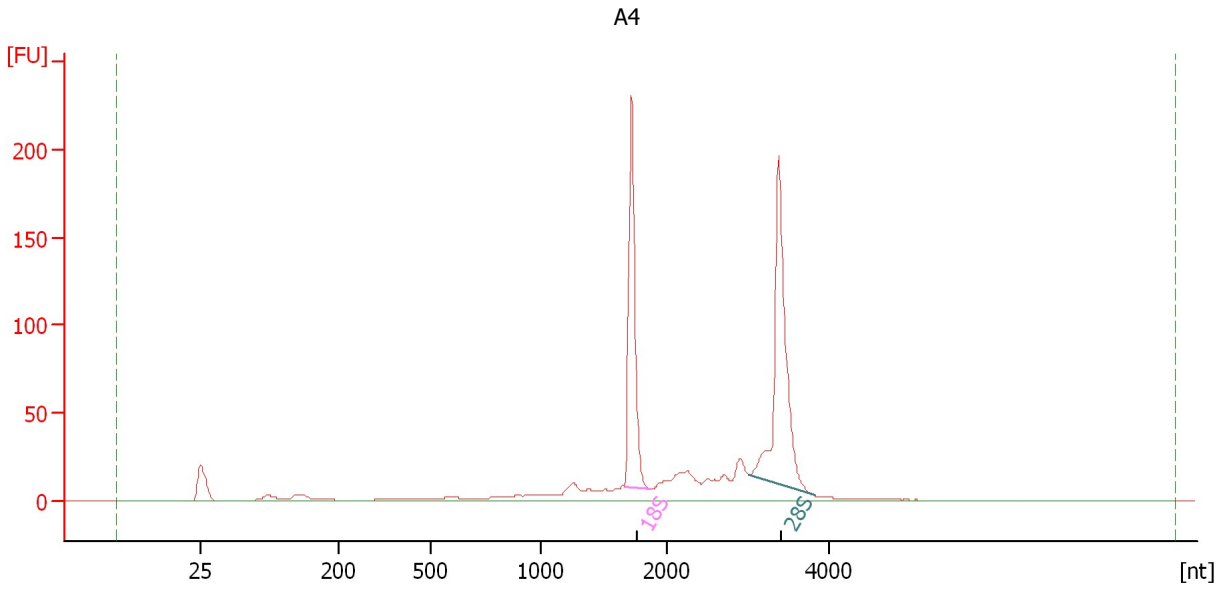
Fragment table for sample 3 : A3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,668	1,888	101.1	19.8
28S	3,018	3,787	129.2	25.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A4

RNA Area: 722.1 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 349 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN:9

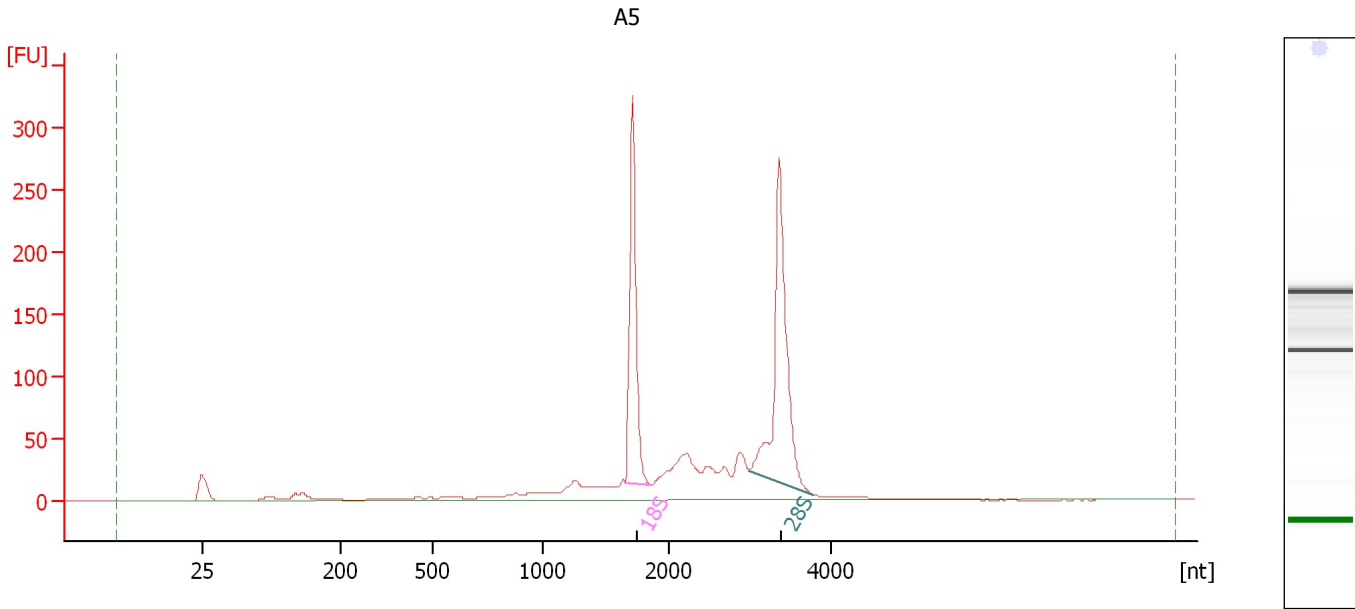
Fragment table for sample 4 : A4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,663	1,874	166.2	23.0
28S	3,014	3,818	223.7	31.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A5

RNA Area:	1,148.6	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	555 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.80

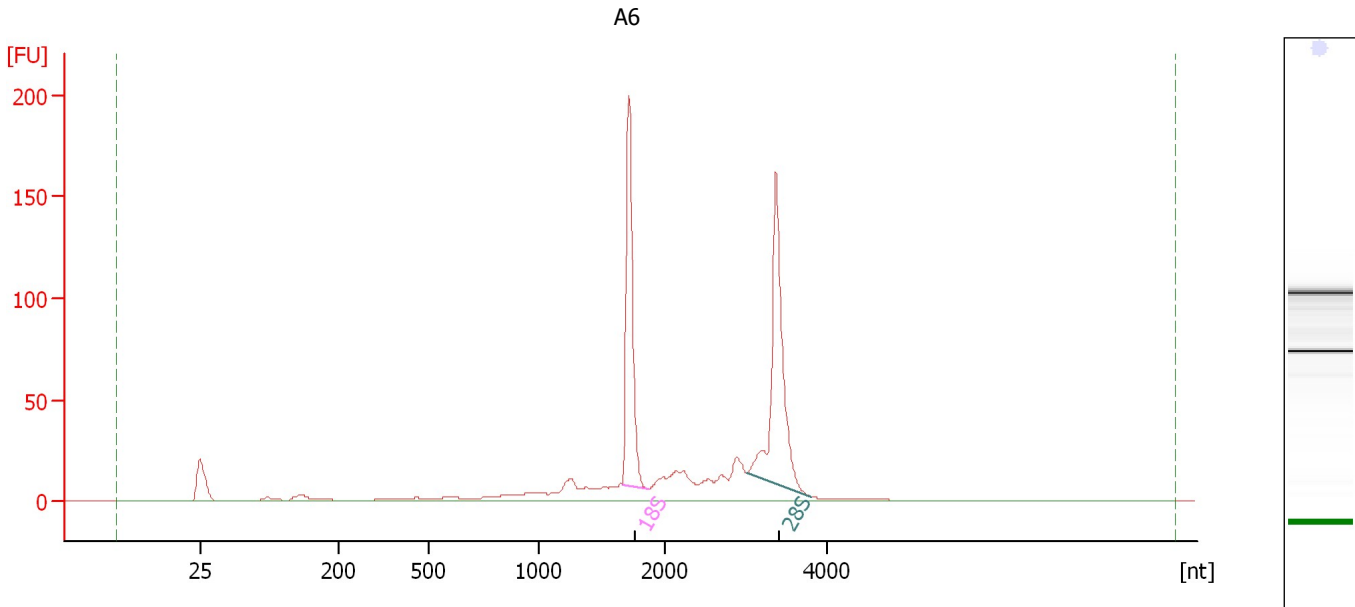
Fragment table for sample 5 : A5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,656	1,858	241.5	21.0
28S	2,987	3,762	327.9	28.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : A6

RNA Area:	633.2	RNA Integrity Number (RIN):	8.8 (B.02.08)
RNA Concentration:	306 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 8.80

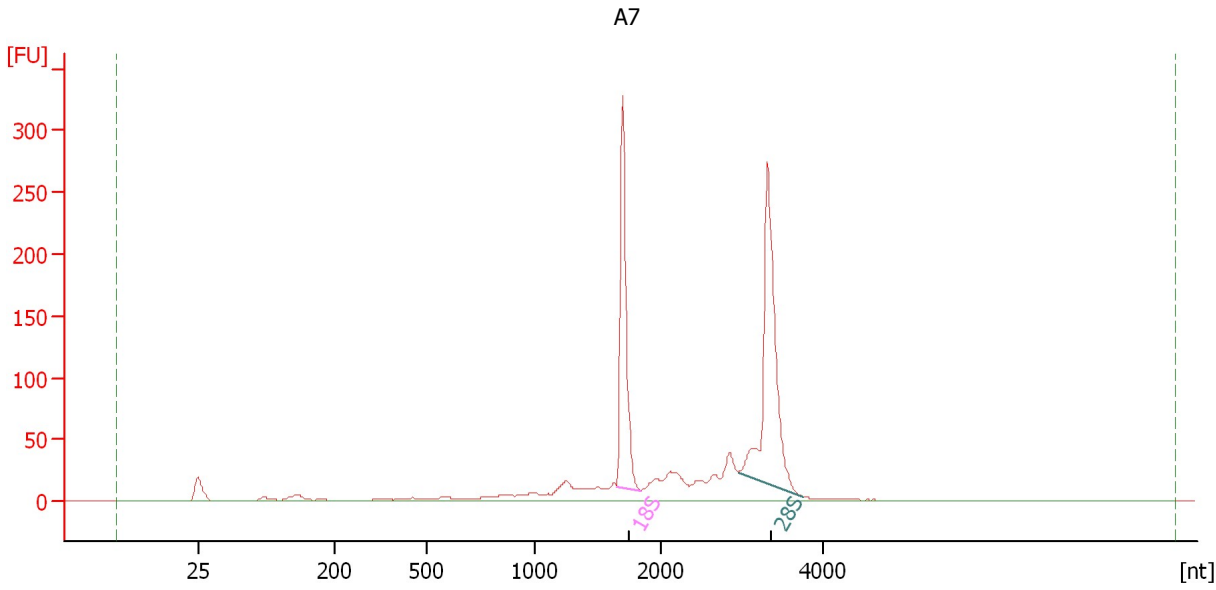
Fragment table for sample 6 : A6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,662	1,864	143.2	22.6
28S	3,002	3,794	179.4	28.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : A7

RNA Area: 1,047.6 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 506 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN:9

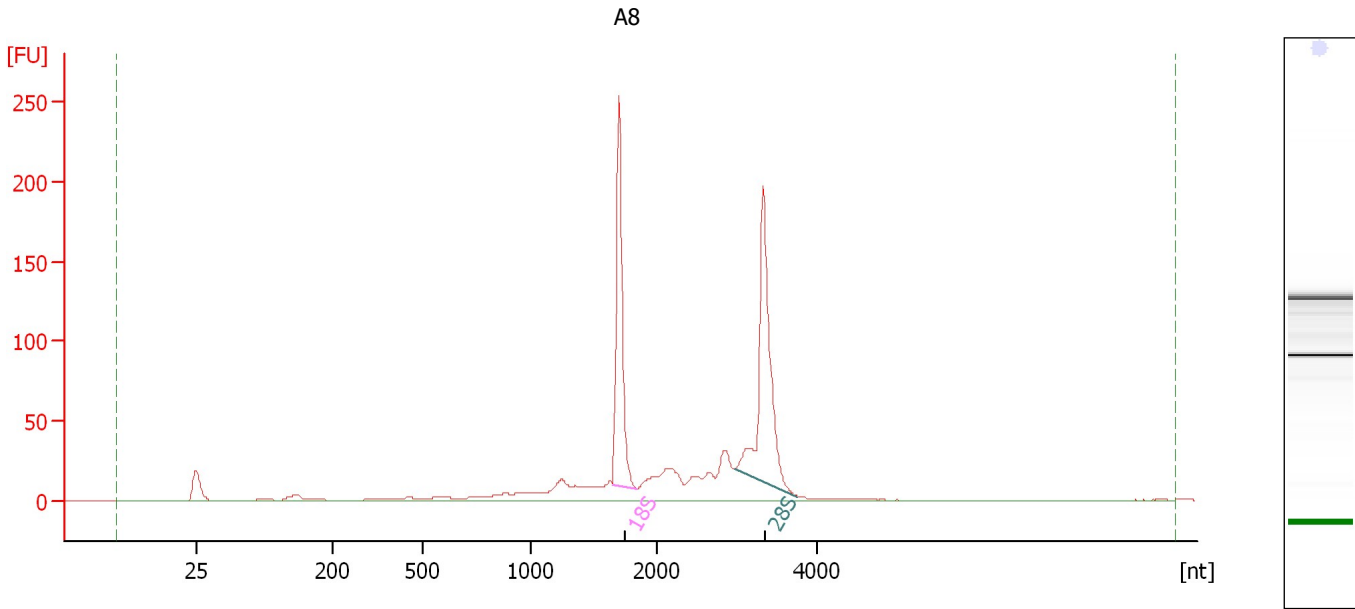
Fragment table for sample 7 : A7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,642	1,837	239.7	22.9
28S	2,965	3,760	320.9	30.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : A8

RNA Area:	814.8	RNA Integrity Number (RIN):	8.6 (B.02.08)
RNA Concentration:	393 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.60

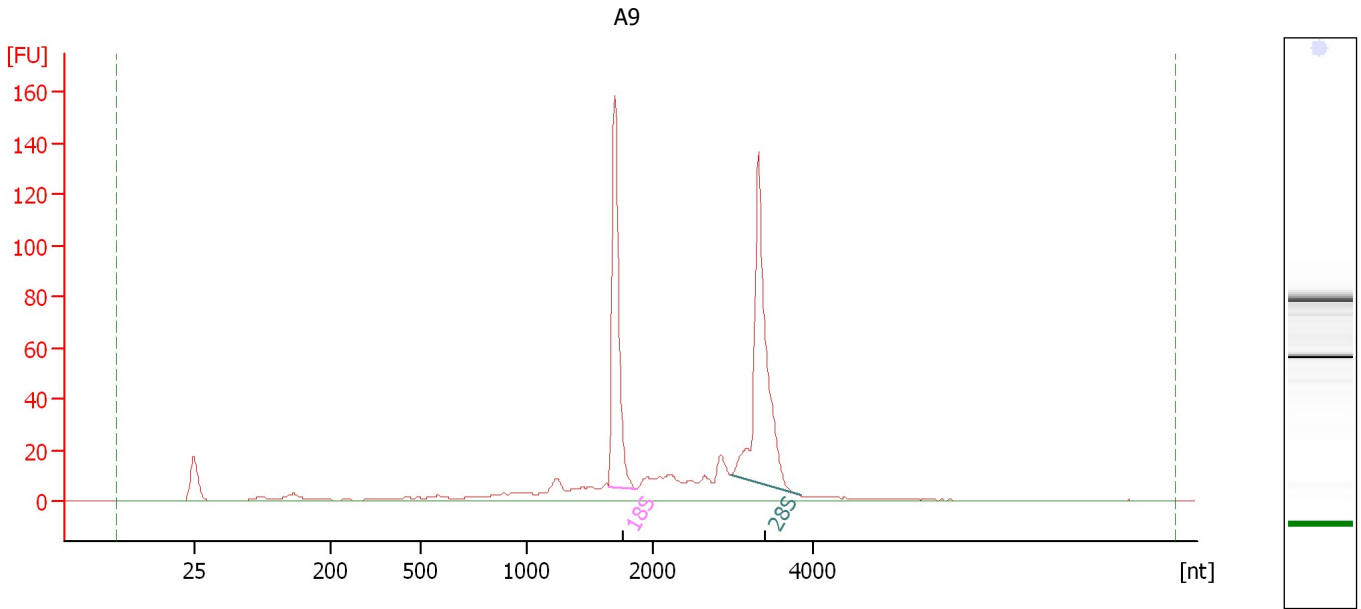
Fragment table for sample 8 : A8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,648	1,835	182.9	22.5
28S	2,967	3,753	220.4	27.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : A9

RNA Area:	533.5	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	258 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 8.90

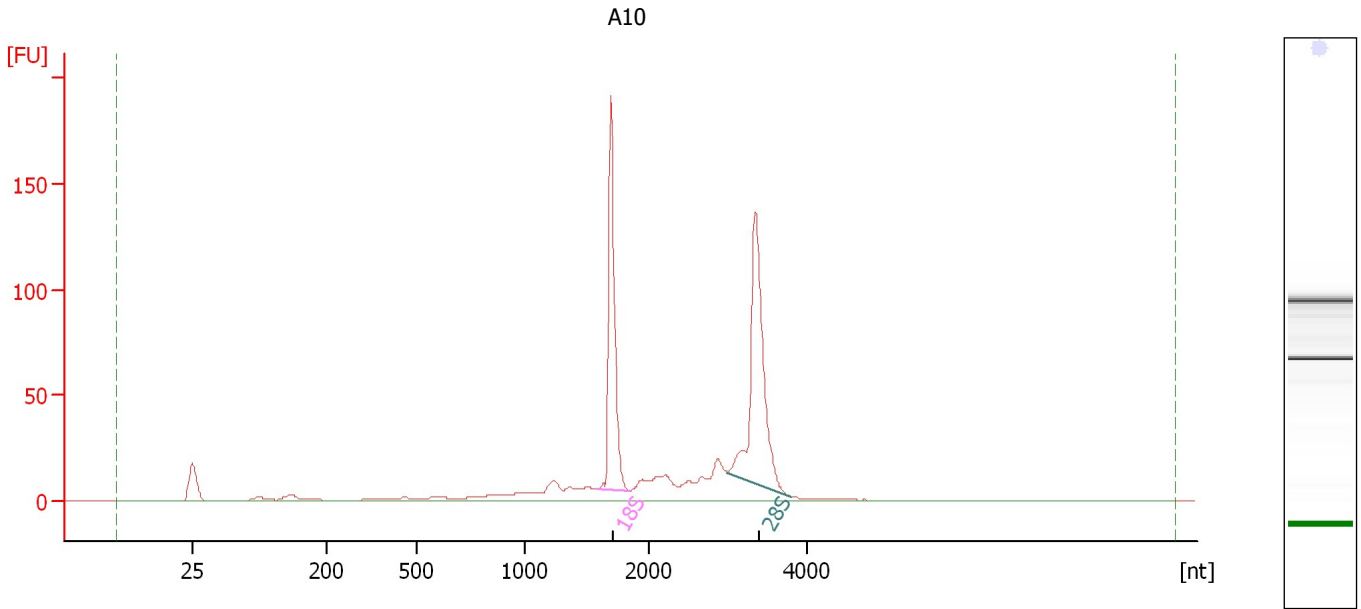
Fragment table for sample 9 : A9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,645	1,868	123.0	23.1
28S	2,970	3,852	166.9	31.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : A10

RNA Area:	596.6	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	288 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.90

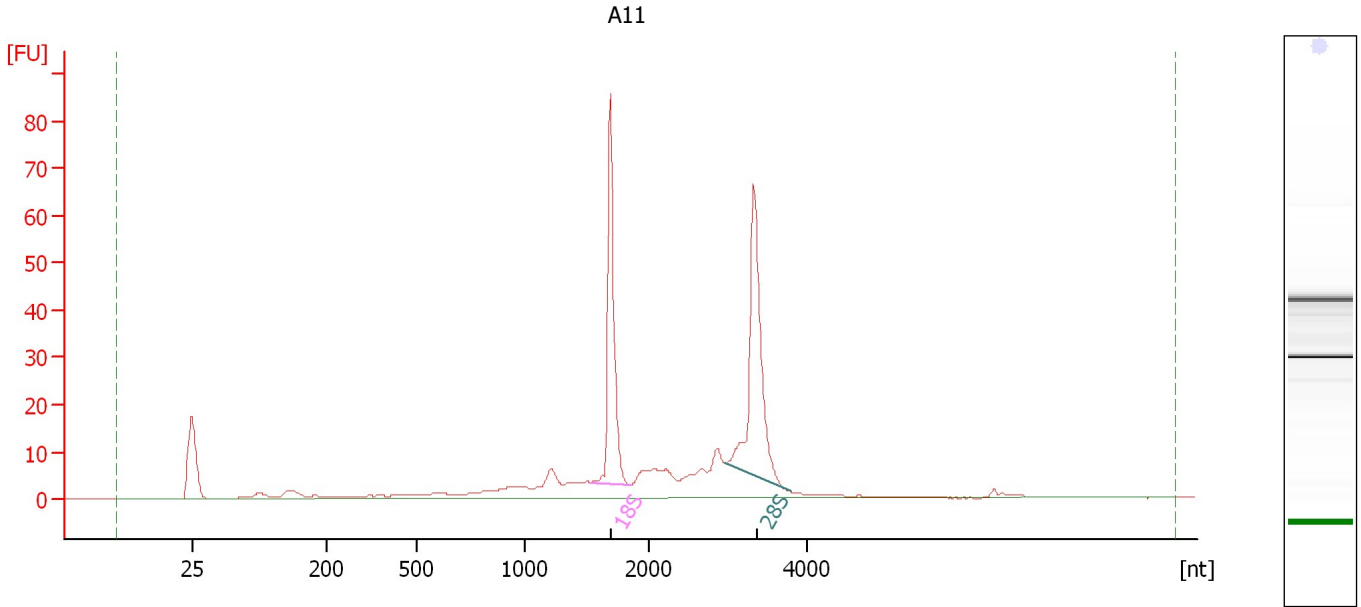
Fragment table for sample 10 : A10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,591	1,849	139.2	23.3
28S	2,985	3,778	172.6	28.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : A11

RNA Area:	308.2	RNA Integrity Number (RIN):	8.5 (B.02.08)
RNA Concentration:	149 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.50

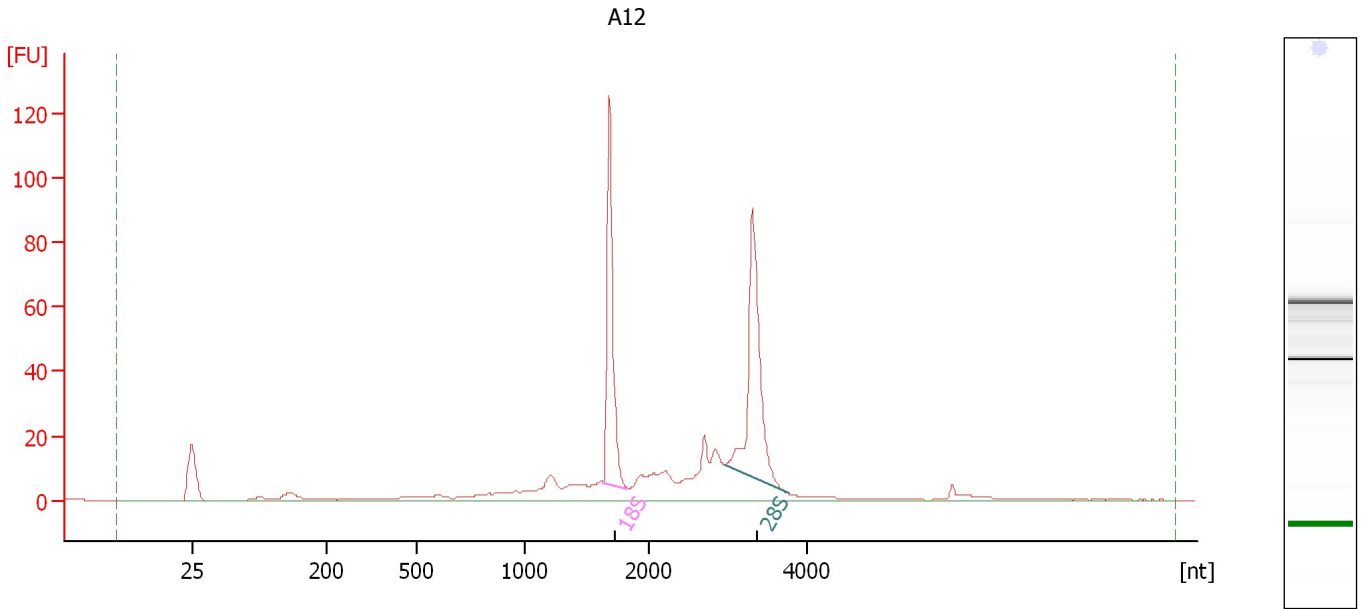
Fragment table for sample 11 : A11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	1,849	63.8	20.7
28S	2,959	3,778	75.6	24.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : A12

RNA Area:	432.6	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	209 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.40

Fragment table for sample 12 : A12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,634	1,831	88.1	20.4
28S	2,959	3,751	100.9	23.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-15\2018-03-15_002.xad

Created: 3/15/2018 12:34:30 PM
Modified: 3/15/2018 1:44:06 PM

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