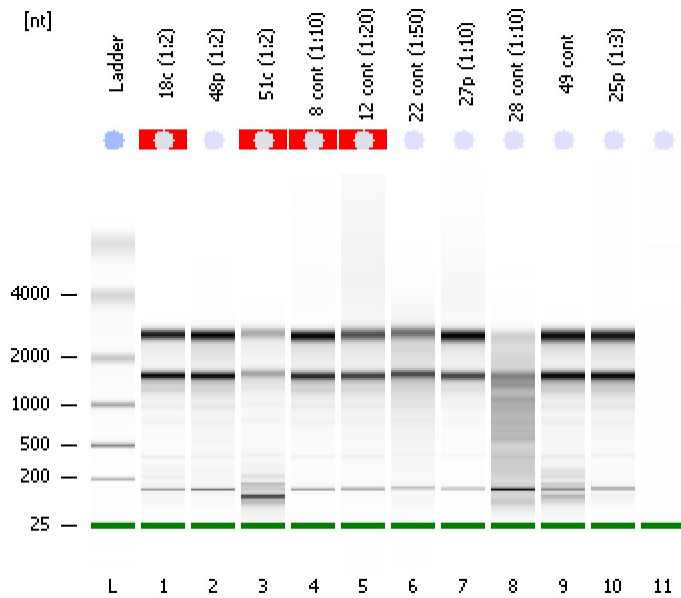


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

Electrophoresis File Run Summary



Instrument Information:

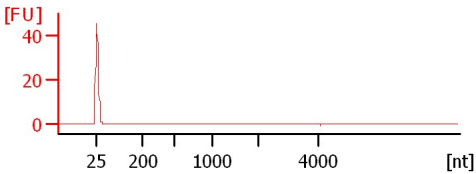
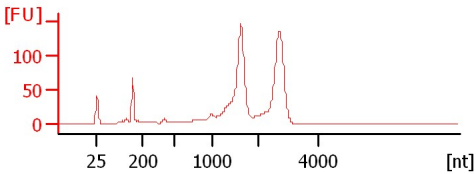
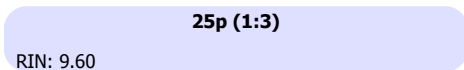
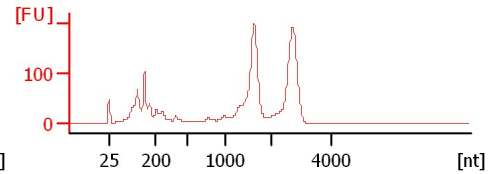
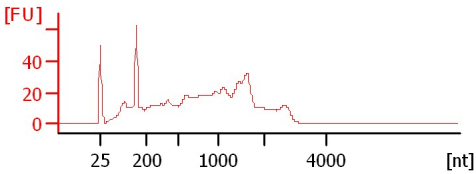
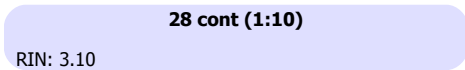
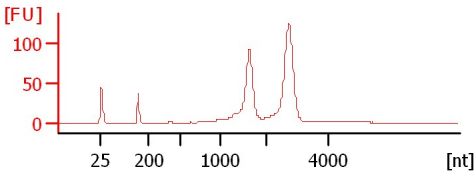
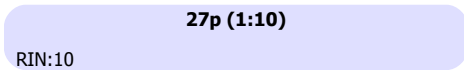
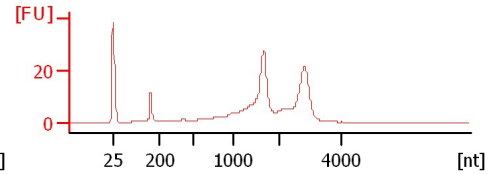
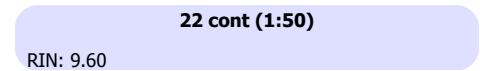
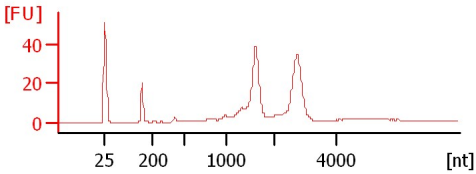
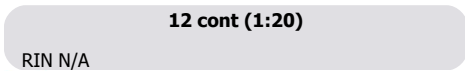
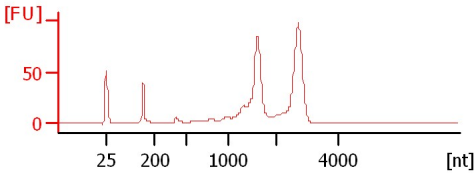
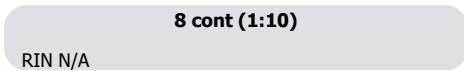
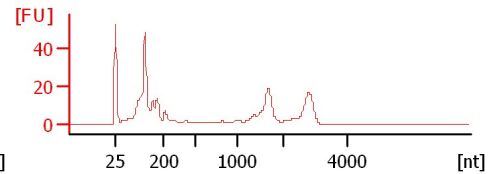
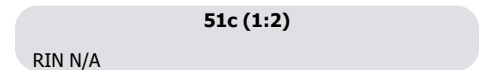
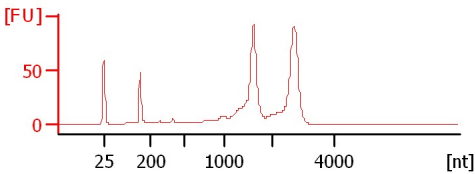
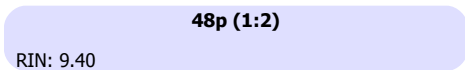
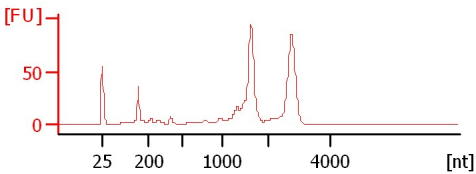
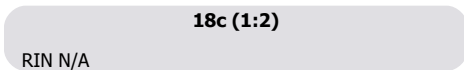
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
18c (1:2)		✓	RIN N/A	
48p (1:2)		✓	RIN: 9.40	
51c (1:2)		✓	RIN N/A	
8 cont (1:10)		✓	RIN N/A	
12 cont (1:20)		✓	RIN N/A	
22 cont (1:50)		✓	RIN: 9.60	
27p (1:10)		✓	RIN:10	
28 cont (1:10)		✓	RIN: 3.10	
49 cont		✓	RIN: 9.20	
25p (1:3)		✓	RIN: 9.60	
		✓	RIN:1	
Ladder		✓	All Other Samples	

**Chip Lot #**

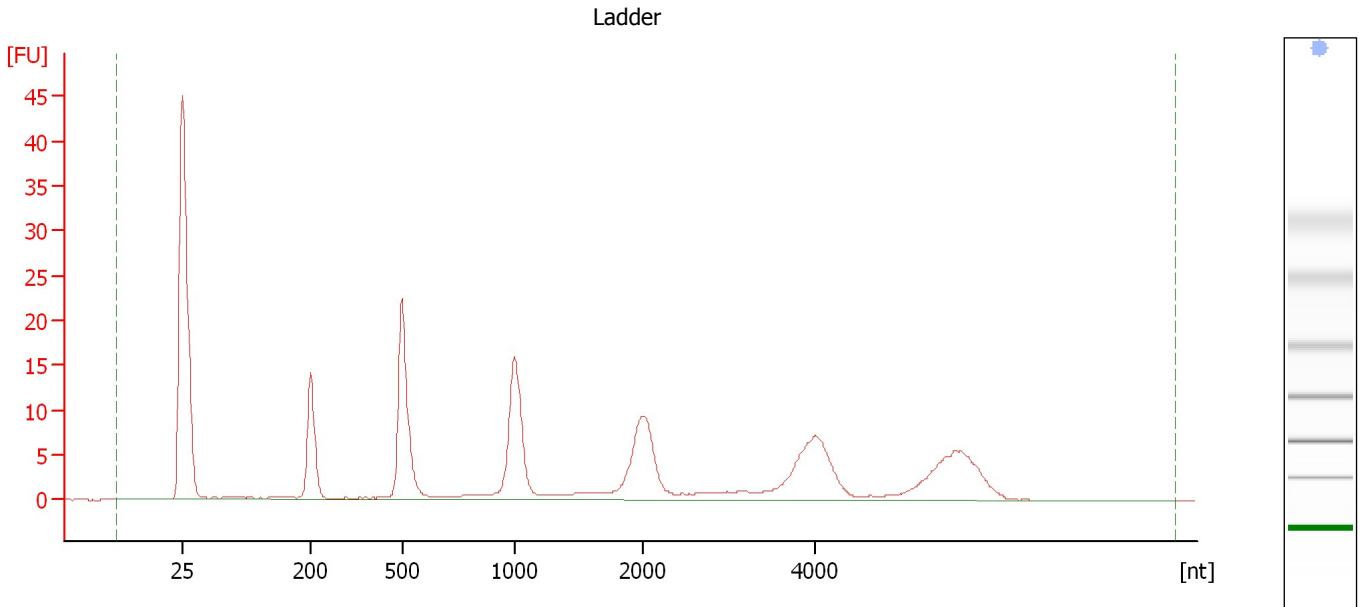
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary**



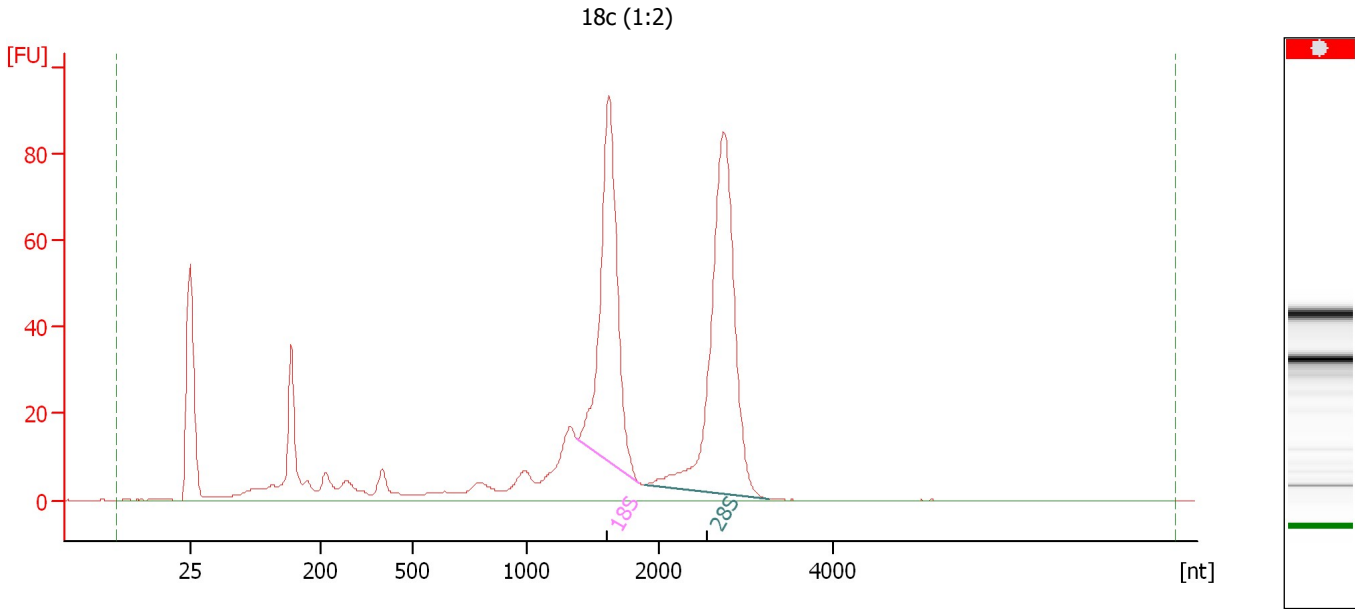
**Overall Results for Ladder**

RNA Area:	188.6	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
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\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 18c (1:2)**

RNA Area:	709.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	3,763 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN N/A

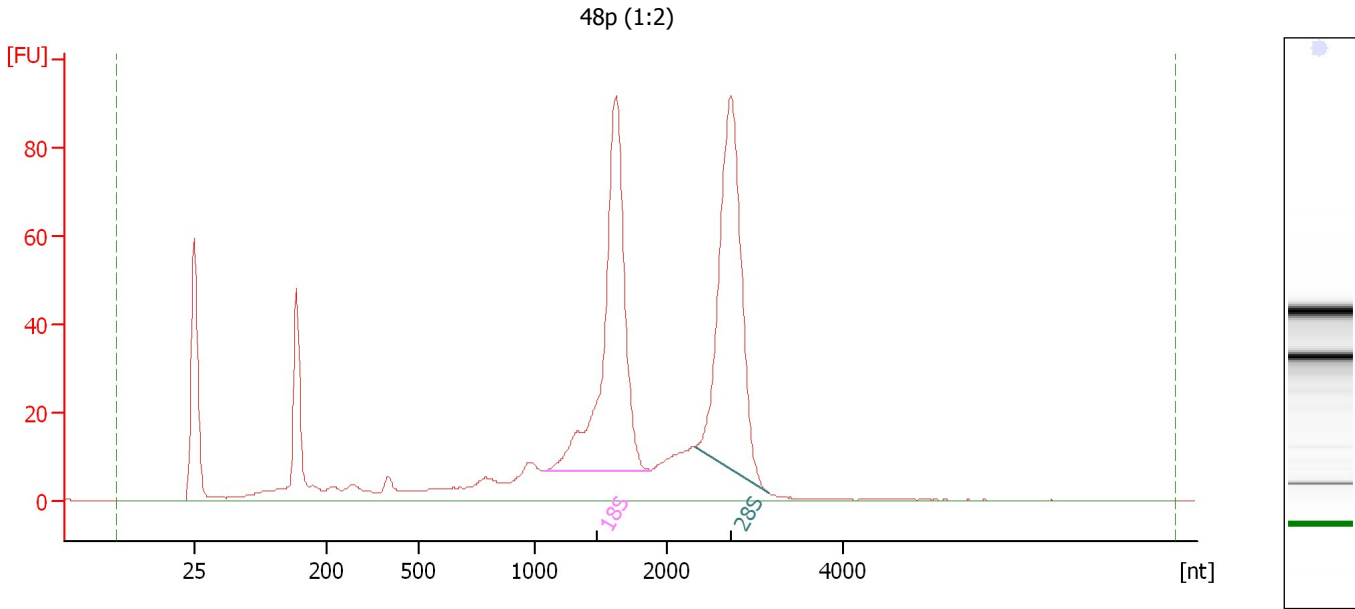
**Fragment table for sample 1 : 18c (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,383	1,847	178.7	25.2
28S	1,896	3,263	224.0	31.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 48p (1:2)**

RNA Area: 805.6                      RNA Integrity Number (RIN): 9.4 (B.02.08)  
RNA Concentration: 4,271 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0                      Result Flagging Label: RIN: 9.40

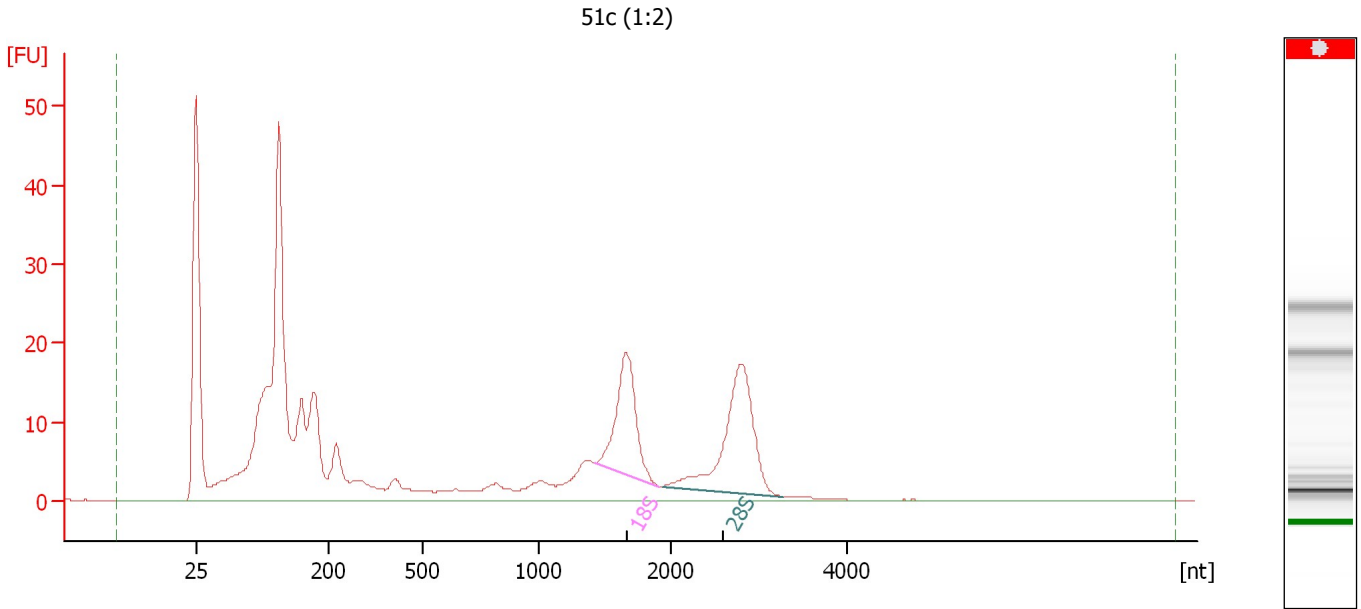
**Fragment table for sample 2 : 48p (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,075	1,874	220.9	27.4
28S	2,308	3,157	210.3	26.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 51c (1:2)**

RNA Area:	409.4	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	2,170 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN N/A

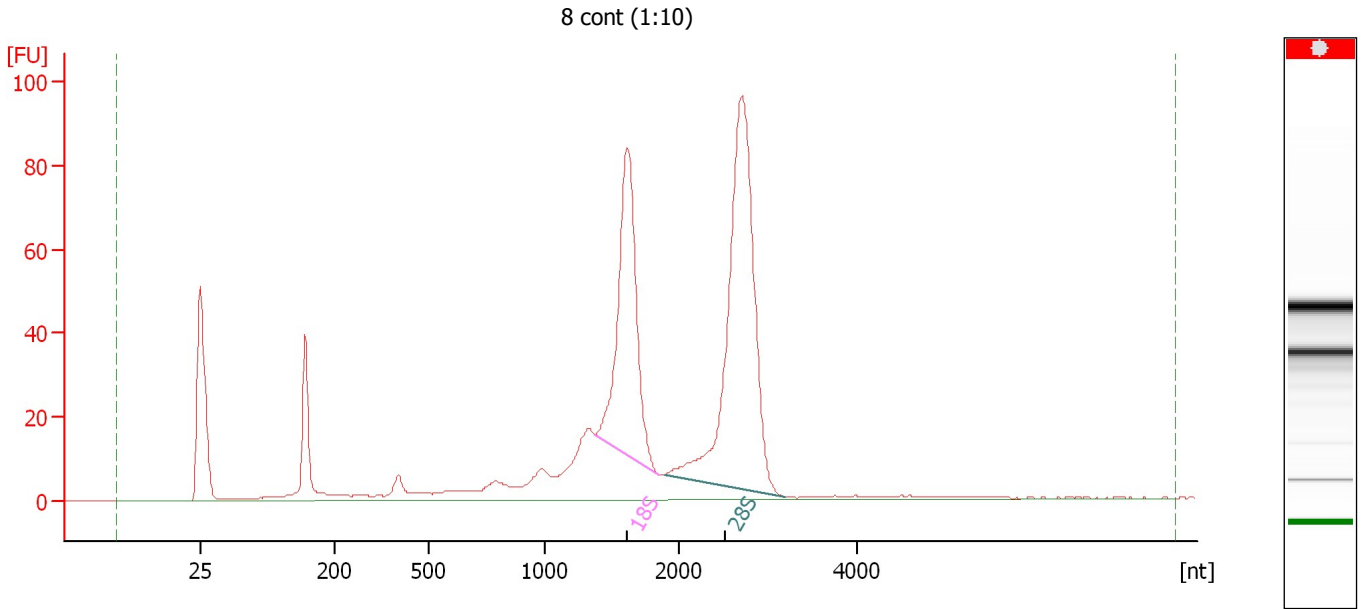
**Fragment table for sample 3 : 51c (1:2)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,426	1,916	37.6	9.2
28S	1,932	3,274	52.8	12.9

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 8 cont (1:10)**

RNA Area: 748.7 RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 3,969 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN N/A

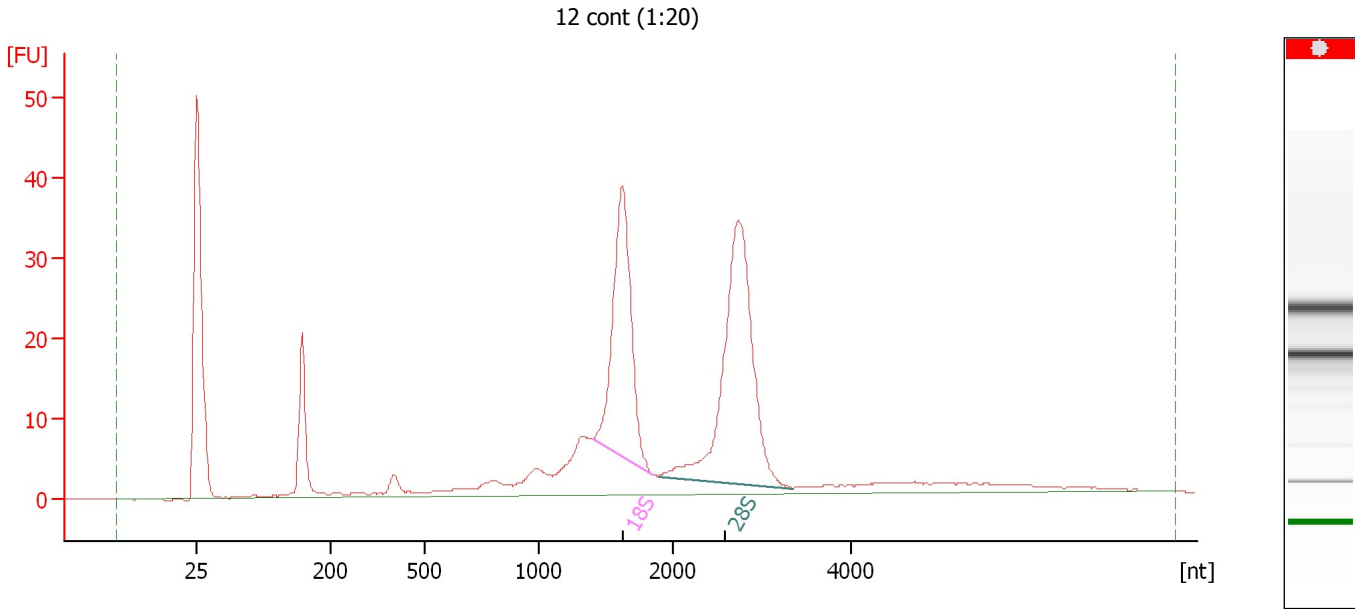
**Fragment table for sample 4 : 8 cont (1:10)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,376	1,846	163.9	21.9
28S	1,886	3,193	271.5	36.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 12 cont (1:20)**

RNA Area: 348.5                      RNA Integrity Number (RIN): N/A (B.02.08)  
RNA Concentration: 1,847 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.4                      Result Flagging Label: RIN N/A

**Fragment table for sample 5 : 12 cont (1:20)**

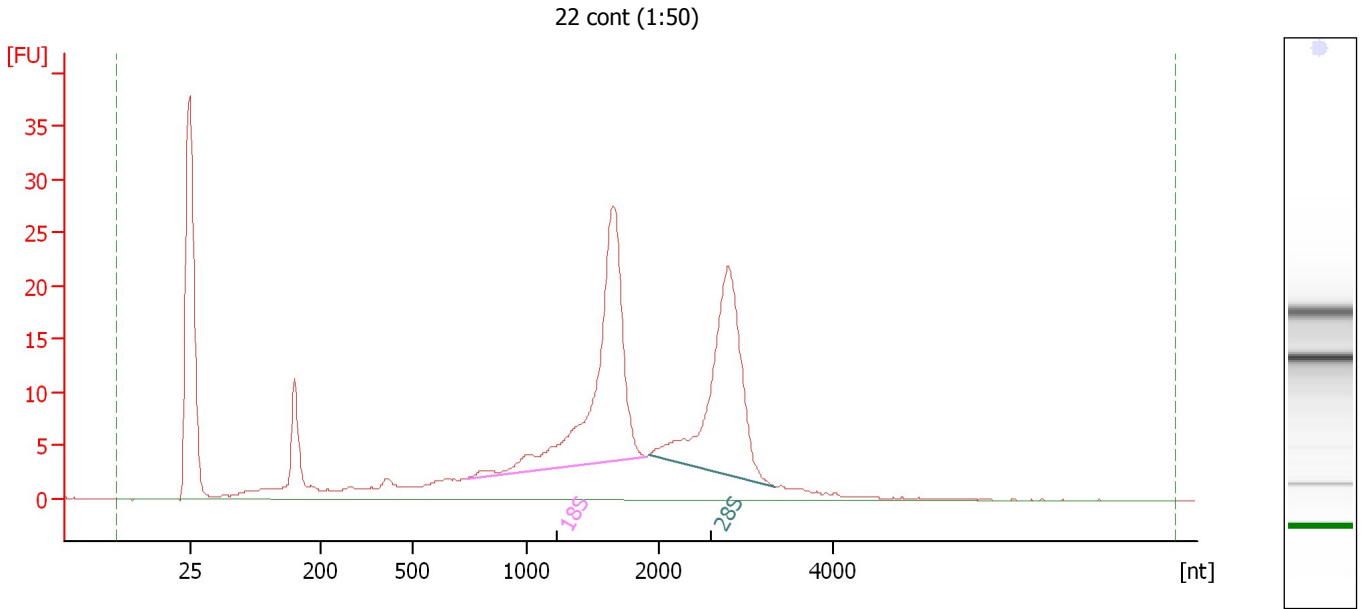
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,395	1,852	75.9	21.8
28S	1,892	3,344	105.7	30.3



Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 22 cont (1:50)**

RNA Area: 311.6 RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 1,652 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.8 Result Flagging Label: RIN: 9.60

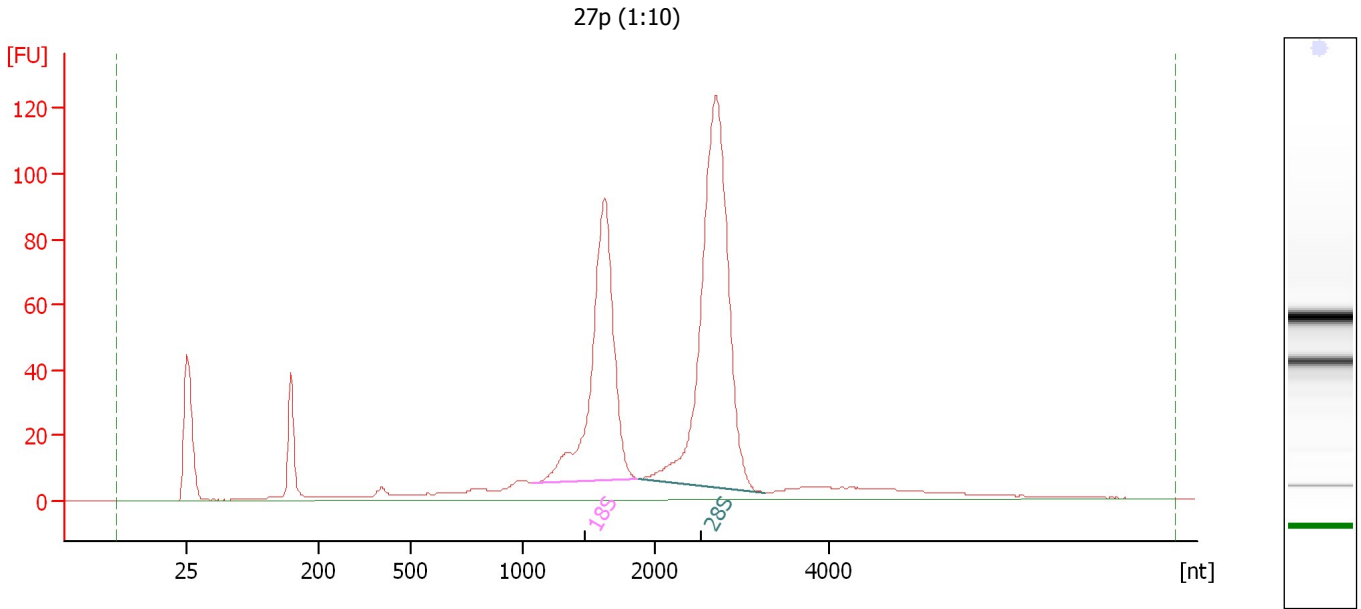
**Fragment table for sample 6 : 22 cont (1:50)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	733	1,904	82.5	26.5
28S	1,921	3,336	67.8	21.8

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
 Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 27p (1:10)**

RNA Area:	922.6	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	4,890 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN:10

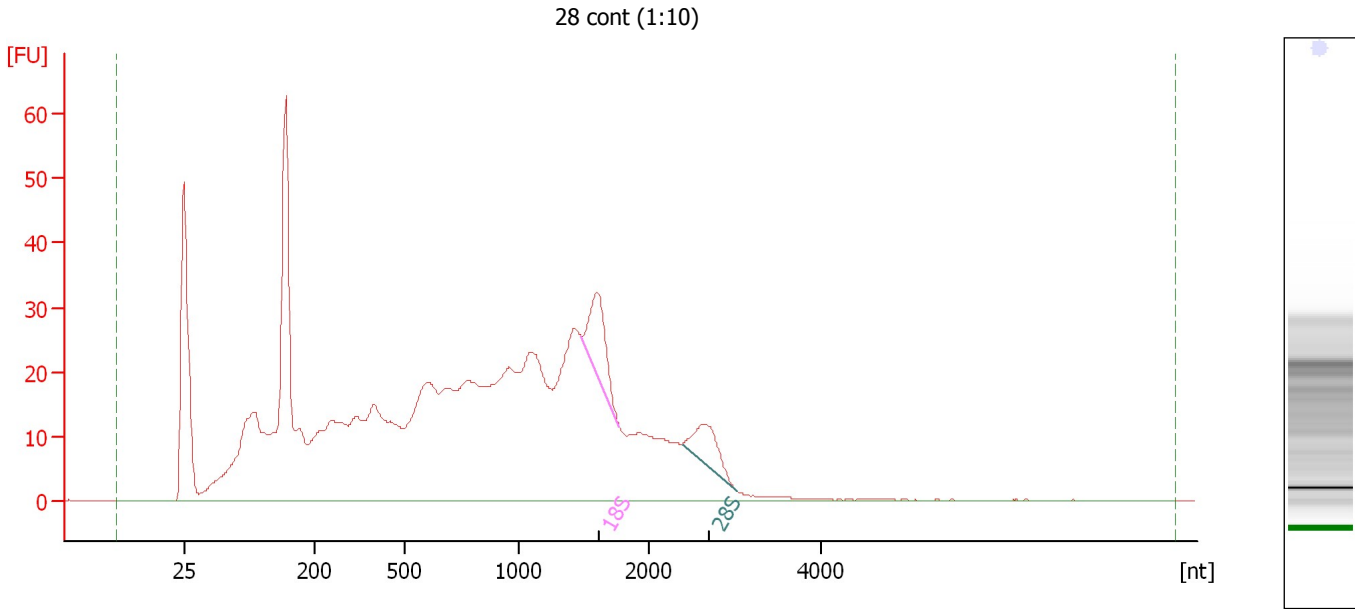
**Fragment table for sample 7 : 27p (1:10)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,078	1,870	243.5	26.4
28S	1,887	3,268	365.7	39.6

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 28 cont (1:10)**

RNA Area: 1,034.3 RNA Integrity Number (RIN): 3.1 (B.02.08)  
RNA Concentration: 5,482 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 0.7 Result Flagging Label: RIN: 3.10

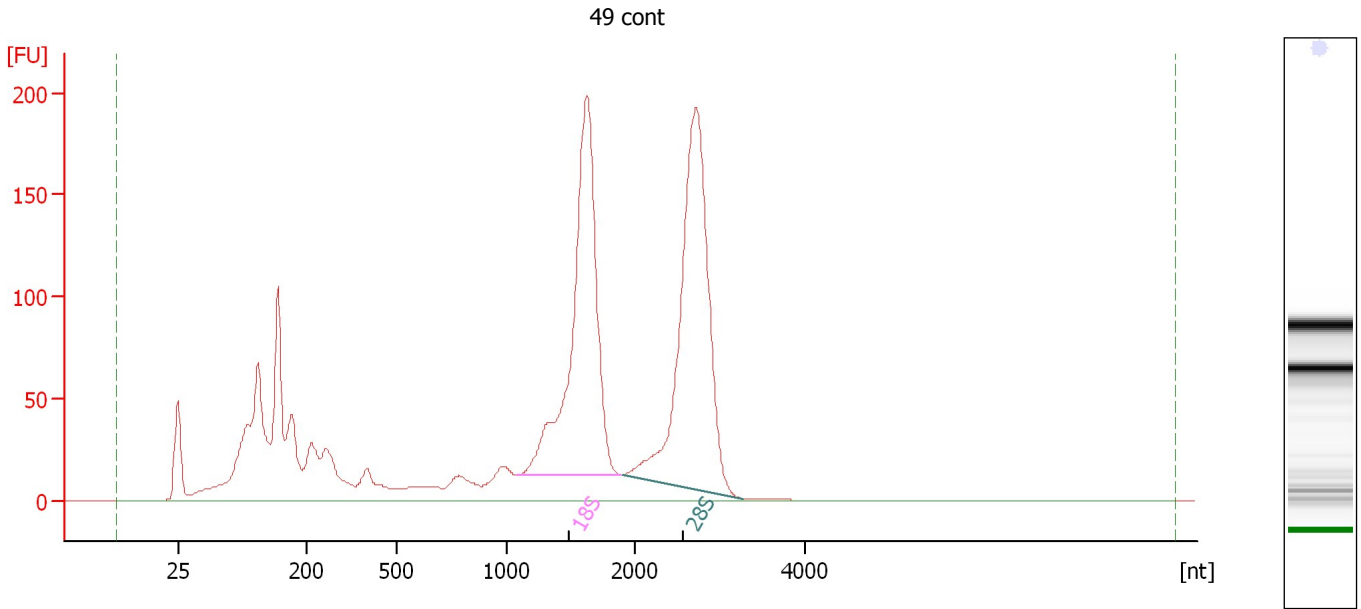
**Fragment table for sample 8 : 28 cont (1:10)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,490	1,778	25.0	2.4
28S	2,396	3,027	17.4	1.7

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 49 cont**

RNA Area:	2,332.8	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	12,366 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 9.20

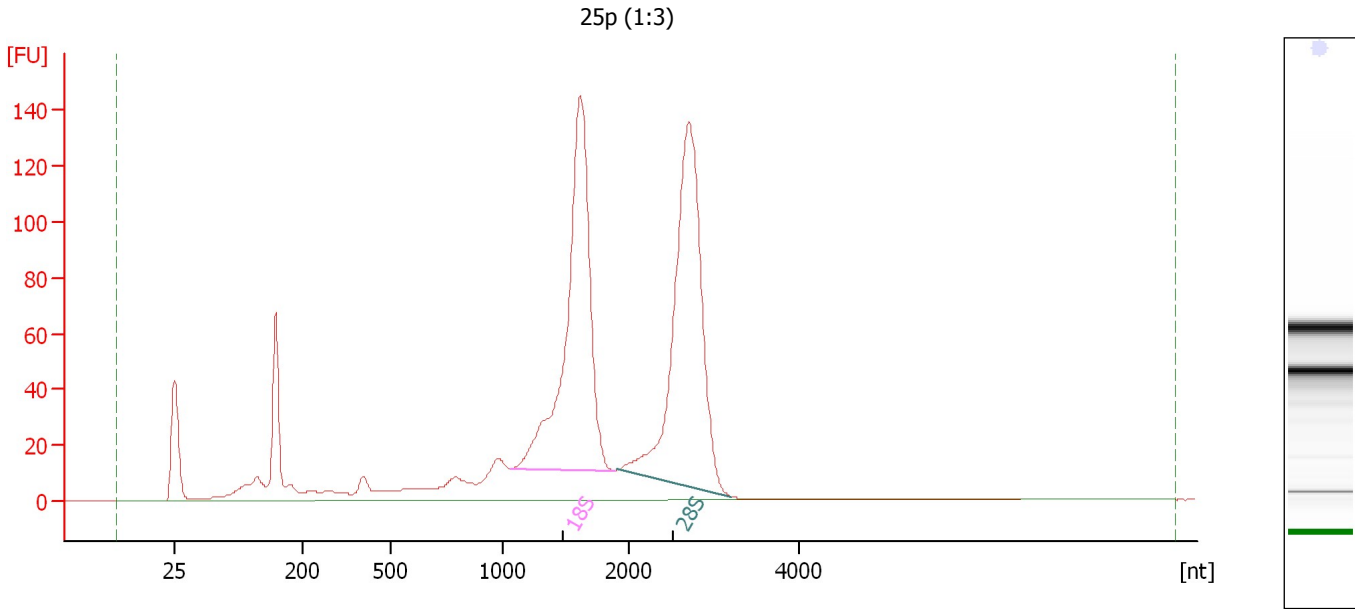
**Fragment table for sample 9 : 49 cont**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,073	1,881	581.7	24.9
28S	1,898	3,251	609.5	26.1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 25p (1:3)**

RNA Area: 1,361.6                      RNA Integrity Number (RIN): 9.6 (B.02.08)  
RNA Concentration: 7,218 pg/μl                      Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.0                      Result Flagging Label: RIN: 9.60

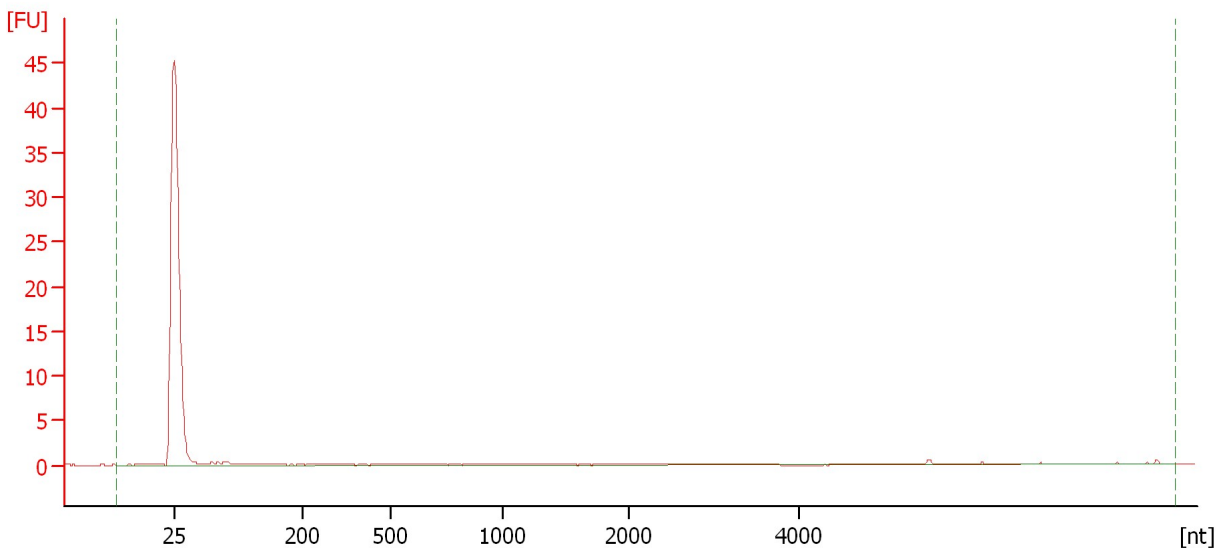
**Fragment table for sample 10 : 25p (1:3)**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,074	1,888	411.3	30.2
28S	1,905	3,207	421.8	31.0

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 :**

RNA Area:	5.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	27 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-26\2018-03-26\_002.xad

Created: 3/26/2018 11:06:10 AM  
Modified: 3/26/2018 11:28:26 AM

**Gel Image**

