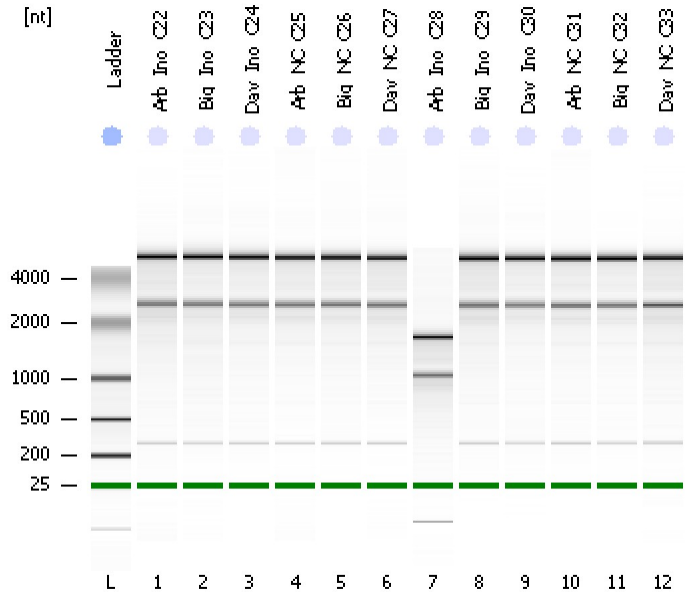


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electrophoresis File Run Summary



Instrument Information:

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

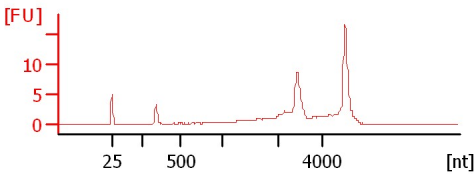
Assay Information:

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

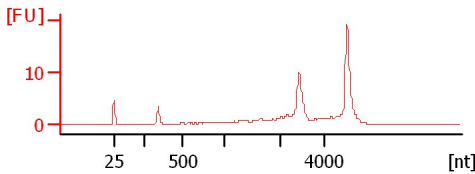
Chip Information:

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

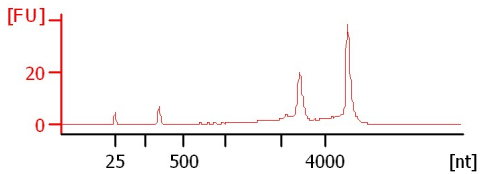
Arb_Ino_C22
RIN: 6.80



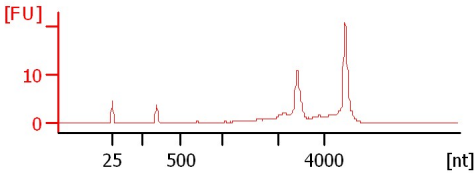
Big_Ino_C23
RIN: 5.90



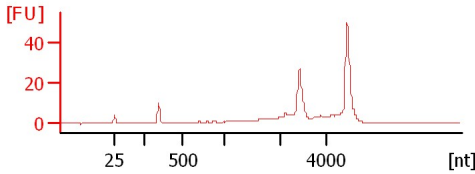
Dav_Ino_C24
RIN: 6.60



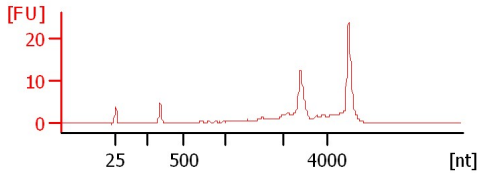
Arb_NC_C25
RIN: 6.40



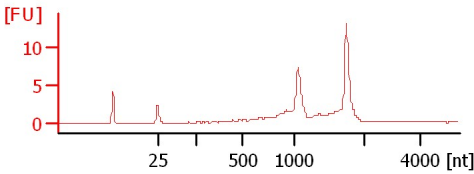
Big_NC_C26
RIN: 6.60



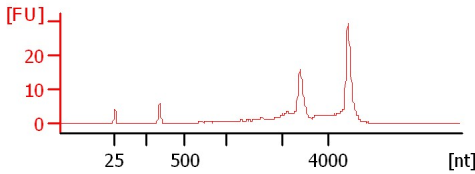
Dav_NC_C27
RIN: 6



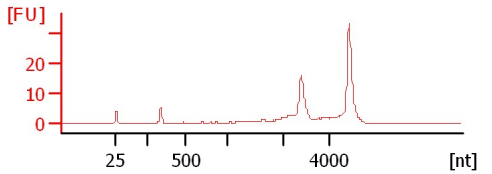
Arb_Ino_C28
RIN: 5.80



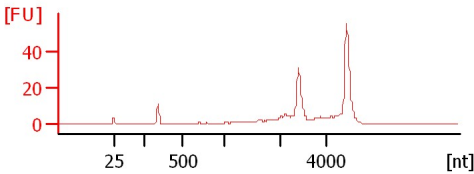
Big_Ino_C29
RIN: 7.10



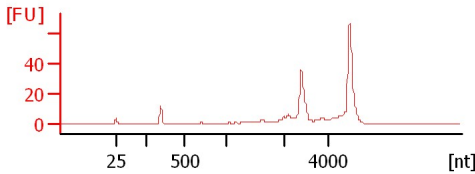
Dav_Ino_C30
RIN: 6.90



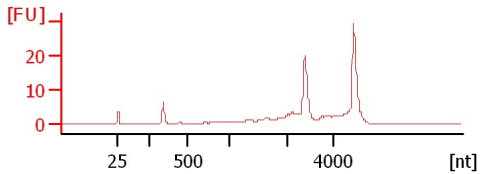
Arb_NC_C31
RIN: 6.90



Big_NC_C32
RIN: 7.10



Dav_NC_C33
RIN: 6.90



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Arb_Ino_C22		✓	RIN: 6.80	
Big_Ino_C23		✓	RIN: 5.90	
Dav_Ino_C24		✓	RIN: 6.60	
Arb_NC_C25		✓	RIN: 6.40	
Big_NC_C26		✓	RIN: 6.60	
Dav_NC_C27		✓	RIN:6	
Arb_Ino_C28		✓	RIN: 5.80	
Big_Ino_C29		✓	RIN: 7.10	
Dav_Ino_C30		✓	RIN: 6.90	
Arb_NC_C31		✓	RIN: 6.90	
Big_NC_C32		✓	RIN: 7.10	
Dav_NC_C33		✓	RIN: 6.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

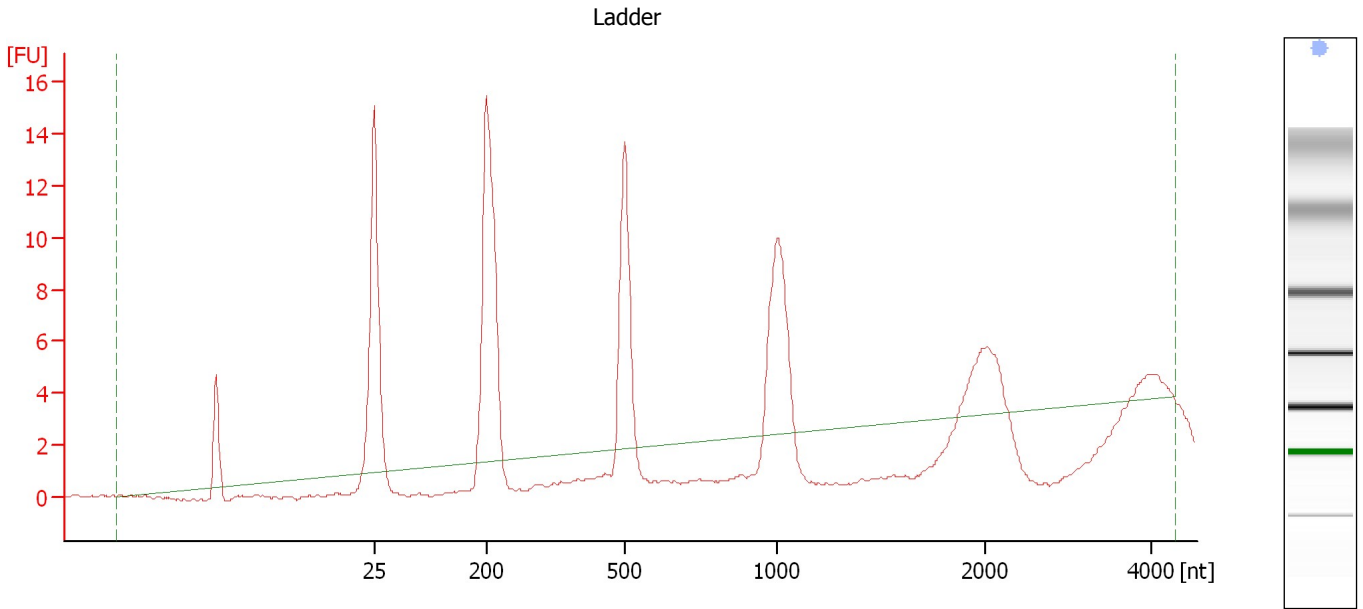
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary



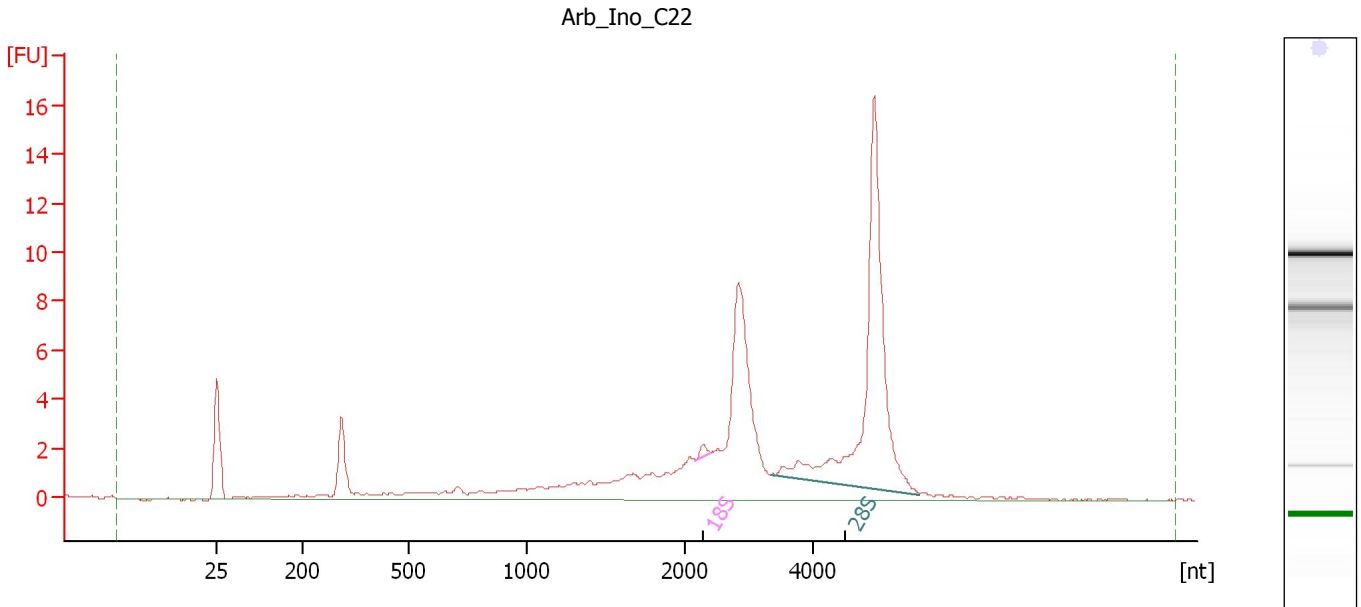
Overall Results for Ladder

RNA Area:	64.0	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Arb_Ino_C22

RNA Area:	87.8	RNA Integrity Number (RIN):	6.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	206 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	79.6	Result Flagging Label:	RIN: 6.80

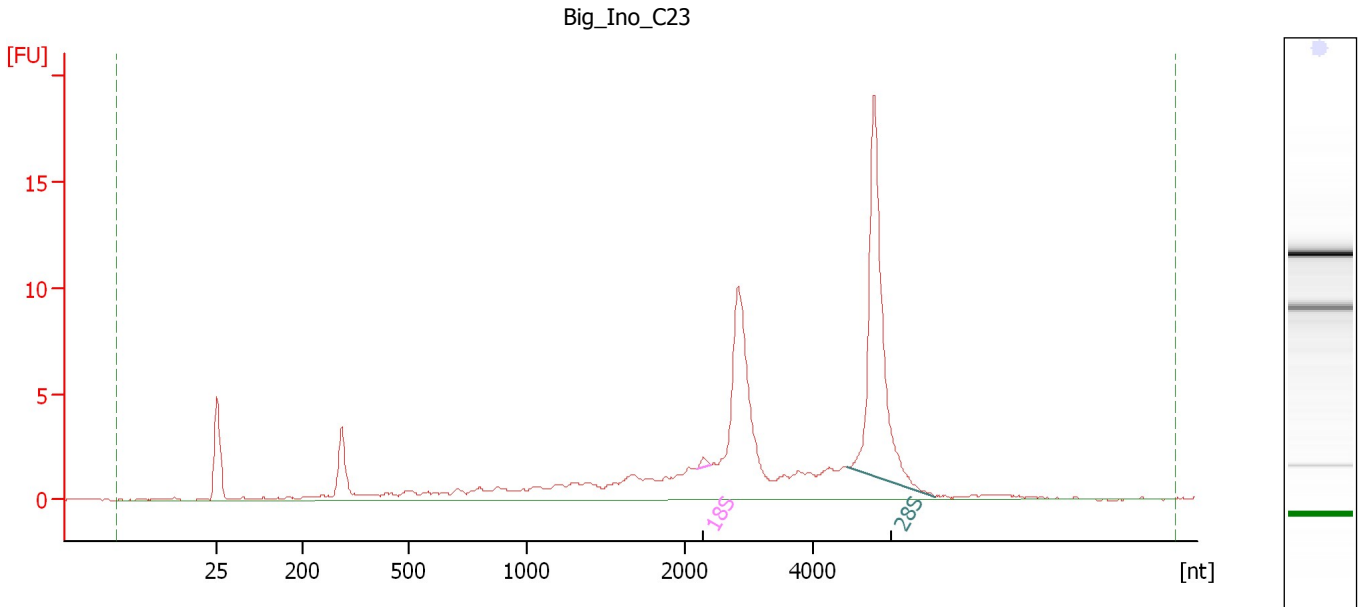
Fragment table for sample 1 : Arb_Ino_C22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,151	2,387	0.3	0.4
28S	3,346	5,684	27.4	31.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Big_Ino_C23

RNA Area:	96.5	RNA Integrity Number (RIN):	5.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	226 ng/μl		
rRNA Ratio [28s / 18s]:	71.3	Result Flagging Color:	
		Result Flagging Label:	RIN: 5.90

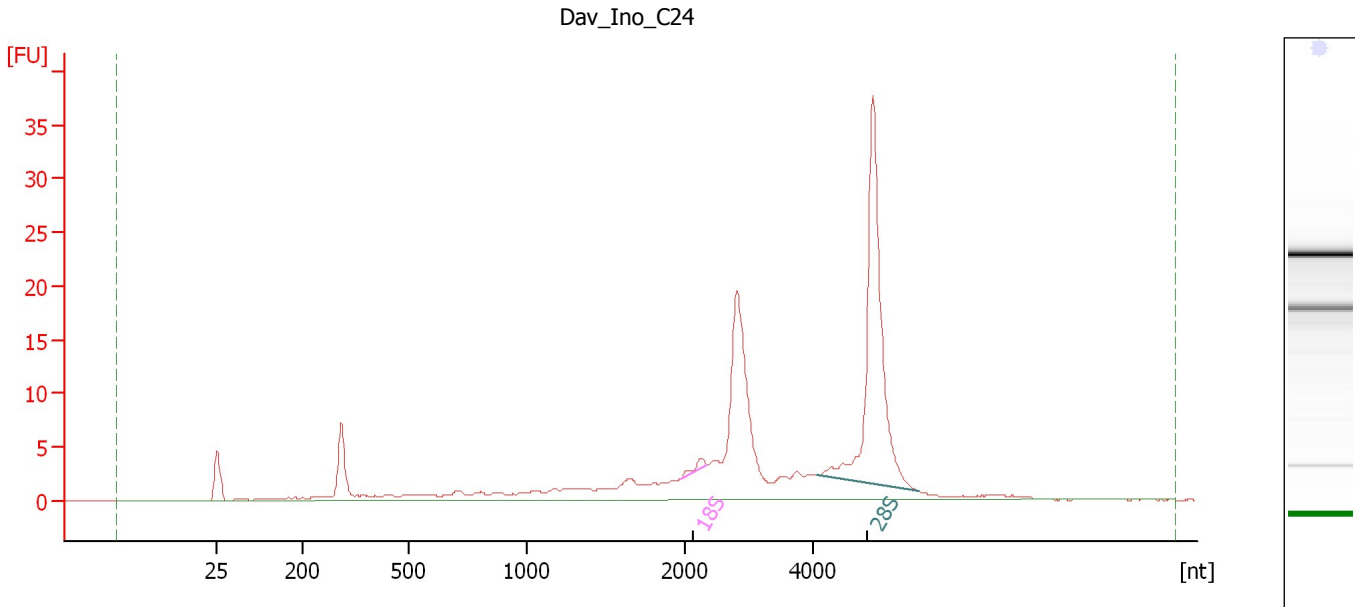
Fragment table for sample 2 : Big_Ino_C23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,168	2,404	0.3	0.3
28S	4,557	5,936	23.5	24.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Dav_Ino_C24

RNA Area:	172.8	RNA Integrity Number (RIN):	6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	405 ng/μl		
rRNA Ratio [28s / 18s]:	42.4	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.60

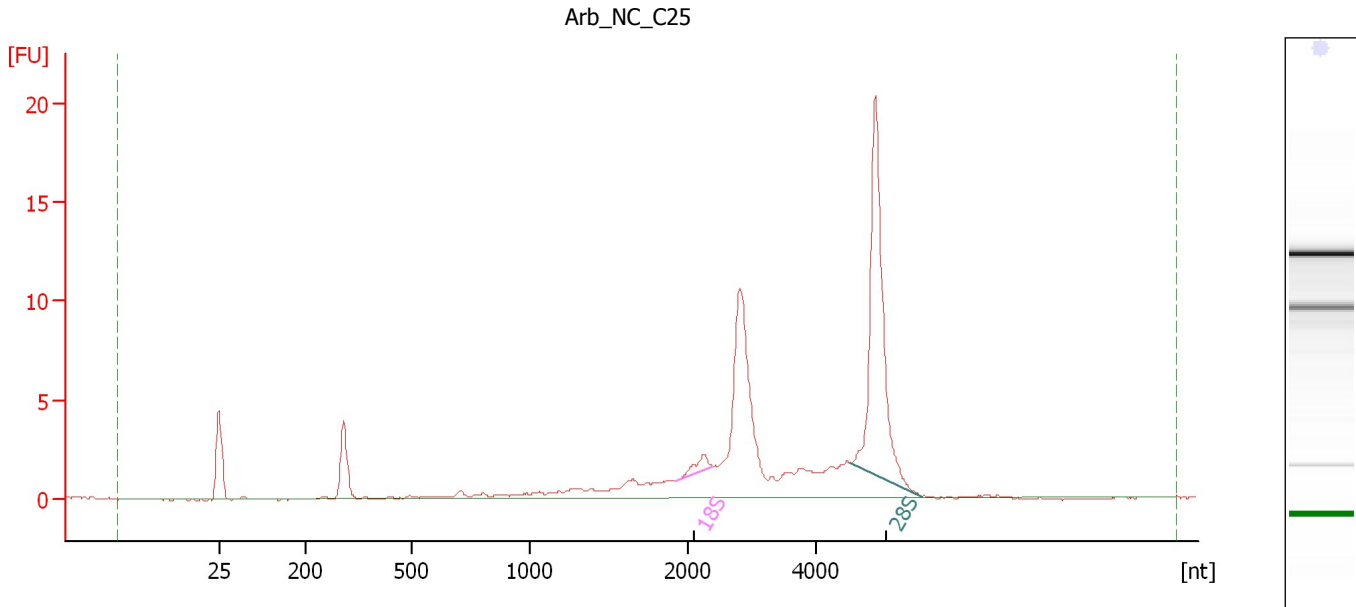
Fragment table for sample 3 : Dav_Ino_C24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,966	2,353	1.2	0.7
28S	4,086	5,684	51.1	29.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Arb NC C25

RNA Area:	83.0	RNA Integrity Number (RIN):	6.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	194 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	19.7	Result Flagging Label:	RIN: 6.40

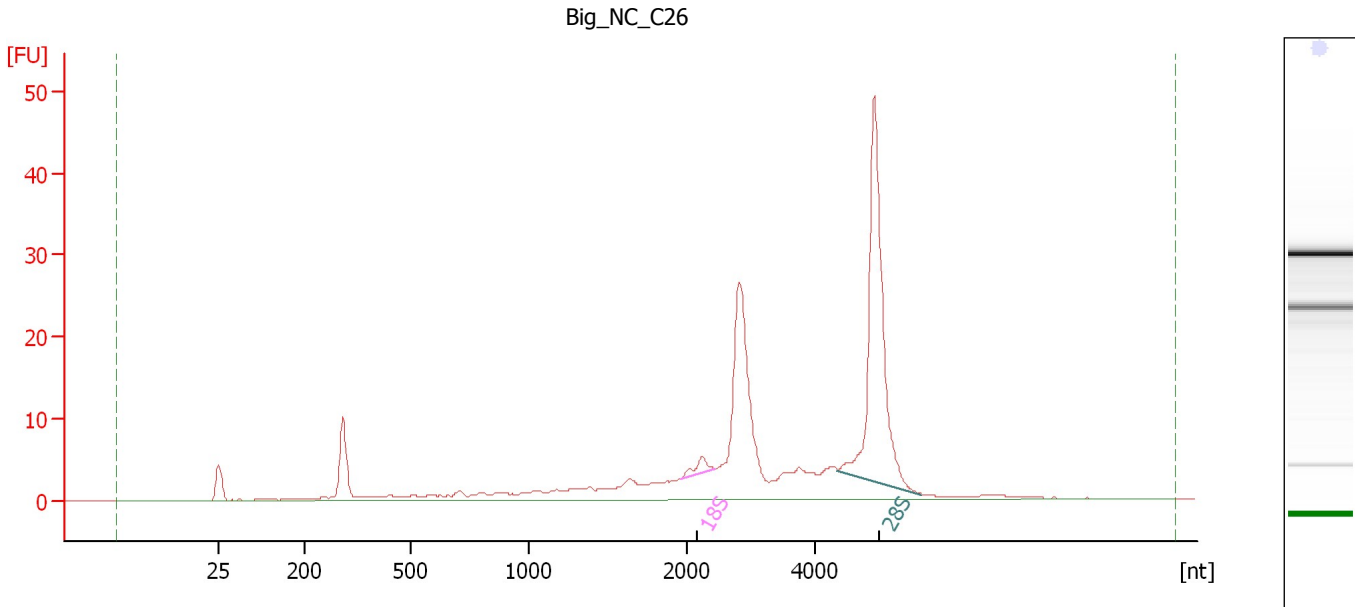
Fragment table for sample 4 : Arb NC C25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,927	2,371	1.2	1.4
28S	4,553	5,661	23.5	28.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Big_NC_C26

RNA Area:	226.1	RNA Integrity Number (RIN):	6.6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	530 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	22.4	Result Flagging Label:	RIN: 6.60

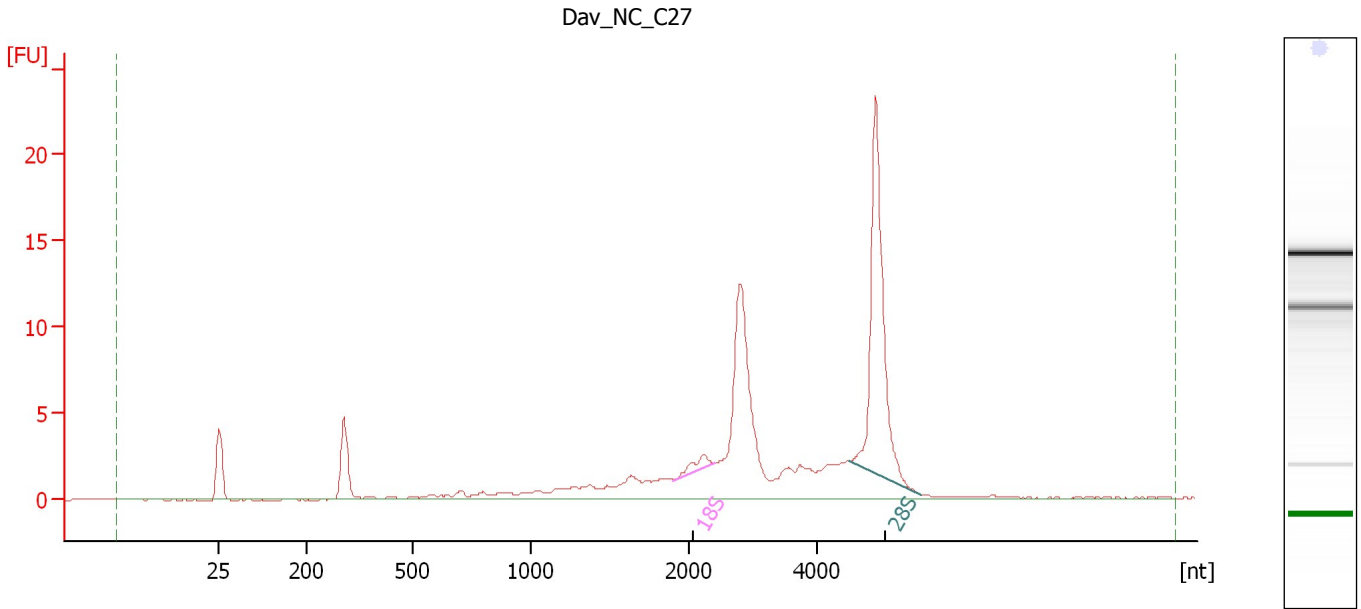
Fragment table for sample 5 : Big_NC_C26

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,953	2,438	2.8	1.2
28S	4,352	5,678	62.6	27.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Dav_NC_C27

RNA Area: 103.5 RNA Integrity Number (RIN): 6 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 242 ng/μl
rRNA Ratio [28s / 18s]: 18.2
Result Flagging Color:
Result Flagging Label: RIN:6

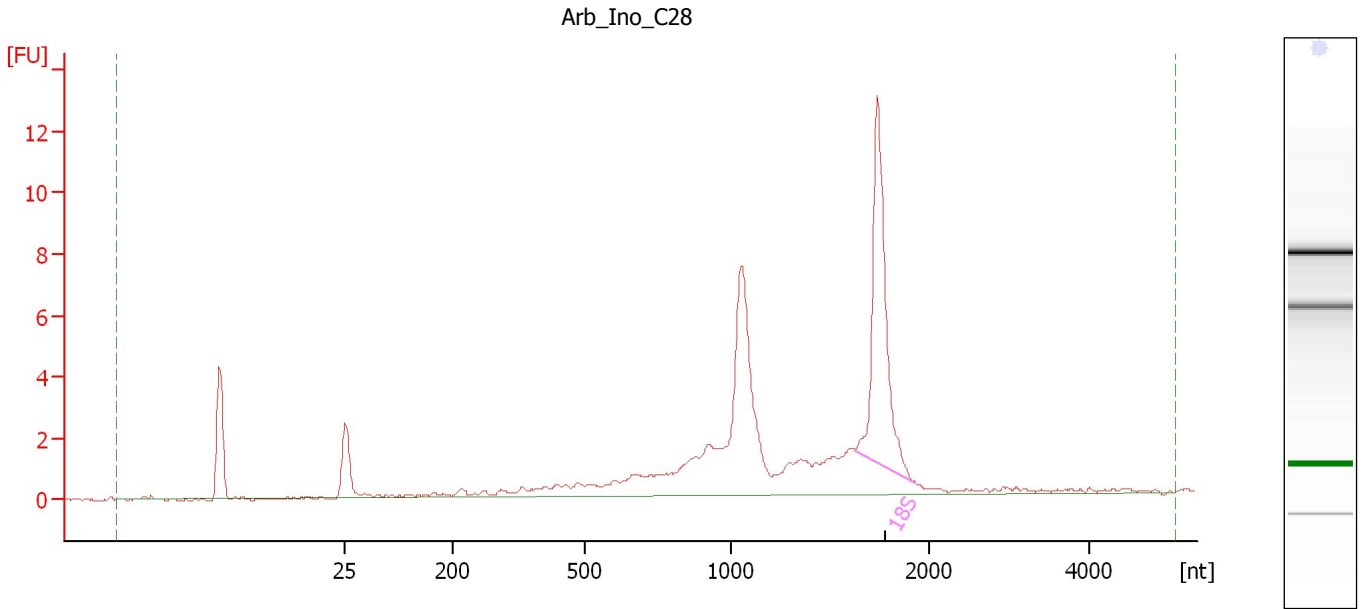
Fragment table for sample 6 : Dav_NC_C27

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,901	2,388	1.4	1.4
28S	4,516	5,622	25.8	24.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Arb_Ino_C28

RNA Area:	67.4	RNA Integrity Number (RIN):	5.8 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	158 ng/μl		
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Color:	
		Result Flagging Label:	RIN: 5.80

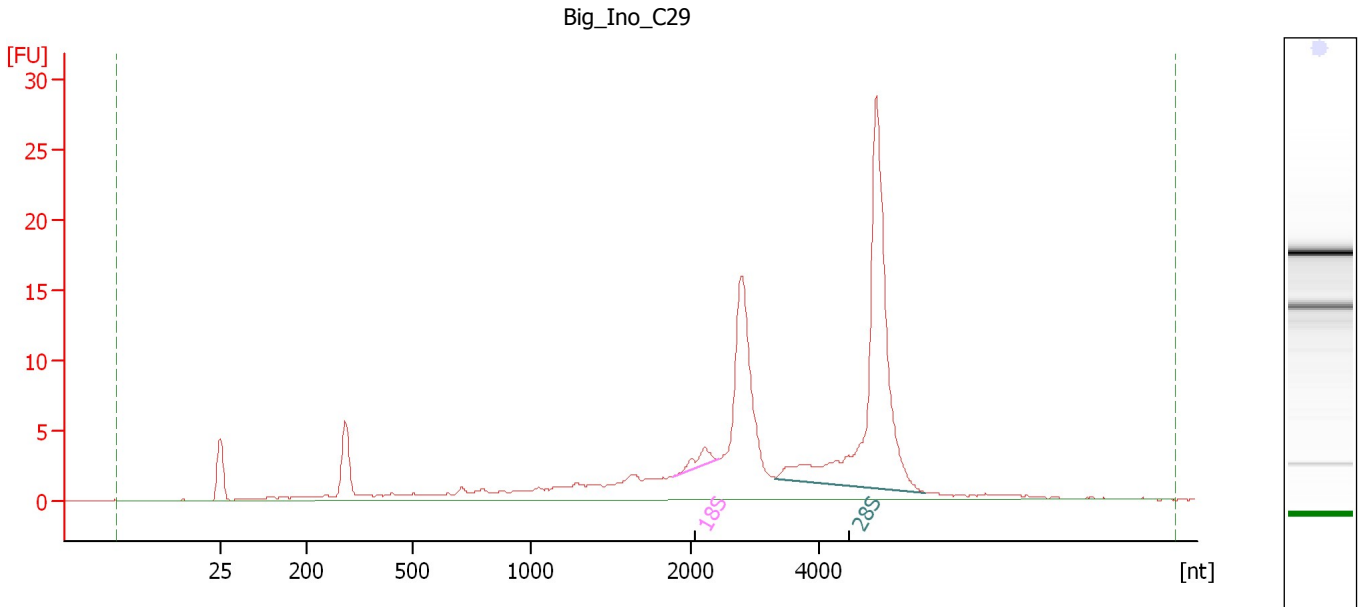
Fragment table for sample 7 : Arb_Ino_C28

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,625	1,926	14.9	22.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Big_Ino_C29

RNA Area:	156.1	RNA Integrity Number (RIN):	7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	366 ng/μl		
rRNA Ratio [28s / 18s]:	23.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.10

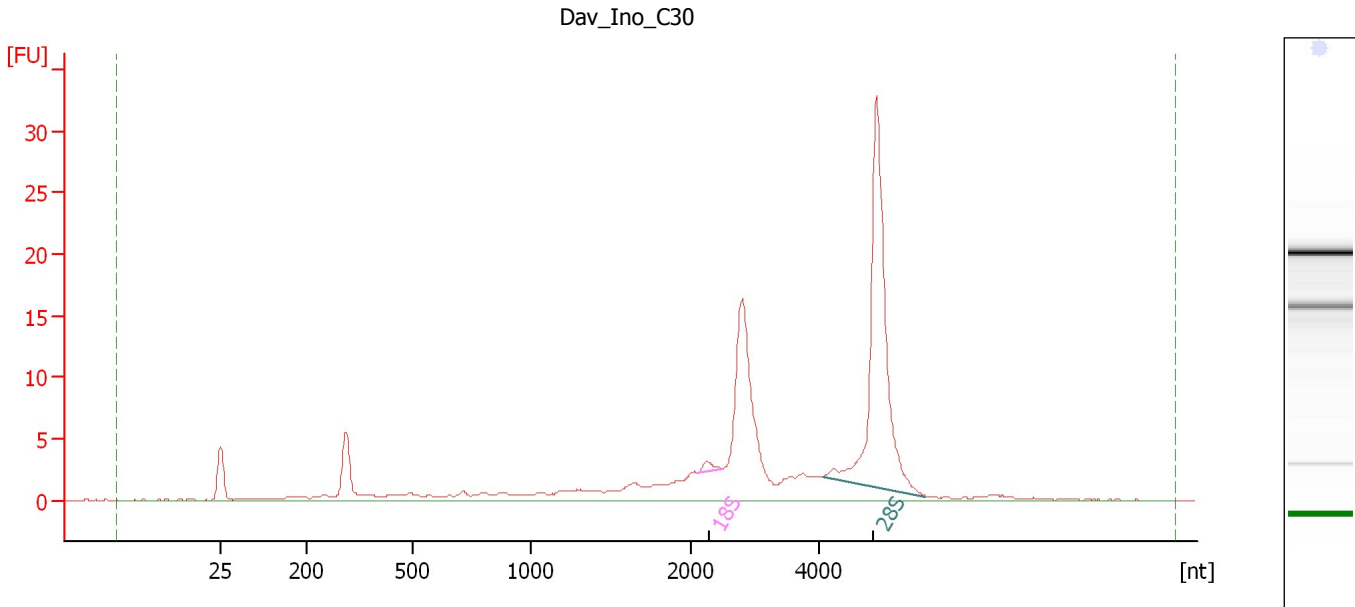
Fragment table for sample 8 : Big_Ino_C29

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,888	2,439	2.2	1.4
28S	3,309	5,649	50.6	32.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Dav_Ino_C30

RNA Area:	144.6	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	339 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	45.2	Result Flagging Label:	RIN: 6.90

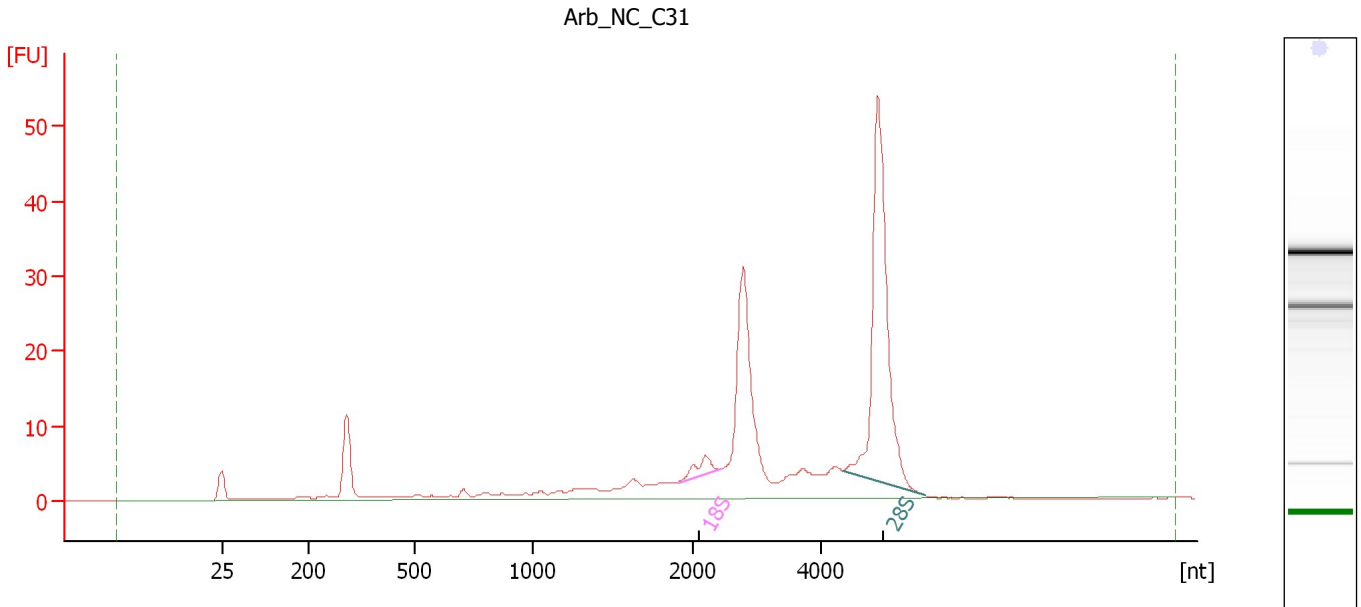
Fragment table for sample 9 : Dav_Ino_C30

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,088	2,489	1.0	0.7
28S	4,061	5,666	45.5	31.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Arb_NC_C31

RNA Area:	240.5	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	563 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	16.8	Result Flagging Label:	RIN: 6.90

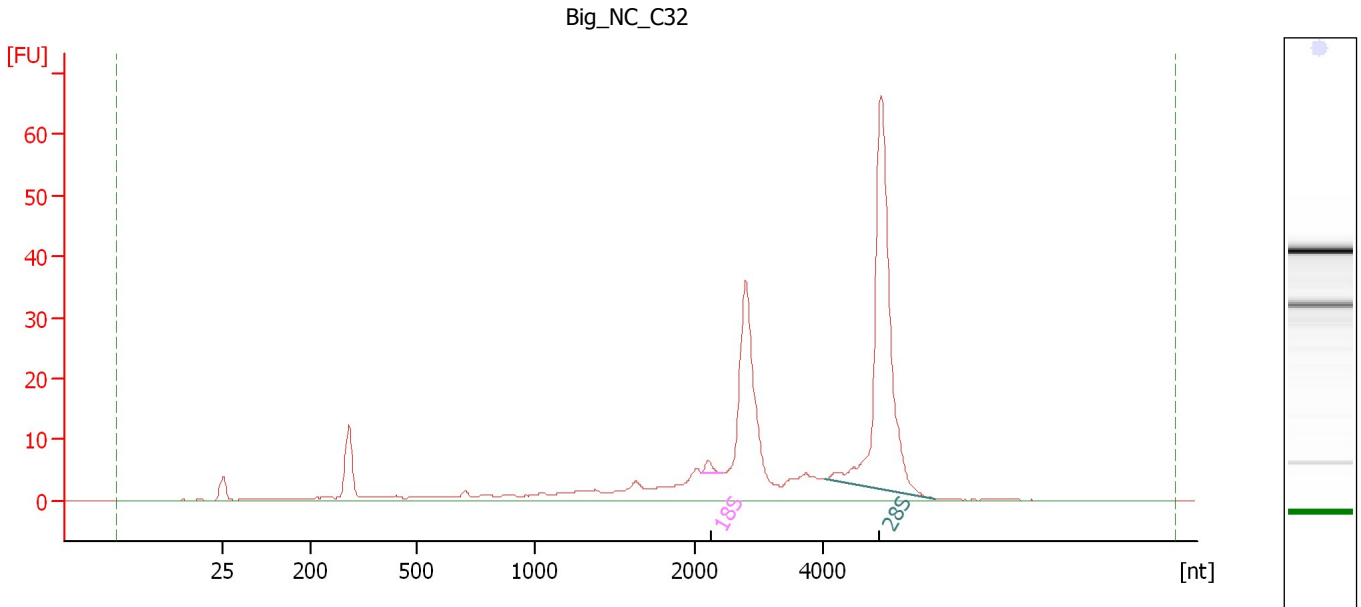
Fragment table for sample 10 : Arb_NC_C31

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,902	2,440	4.3	1.8
28S	4,342	5,627	71.7	29.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Big_NC_C32

RNA Area:	281.2	RNA Integrity Number (RIN):	7.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	659 ng/μl		
rRNA Ratio [28s / 18s]:	56.7	Result Flagging Color:	
		Result Flagging Label:	RIN: 7.10

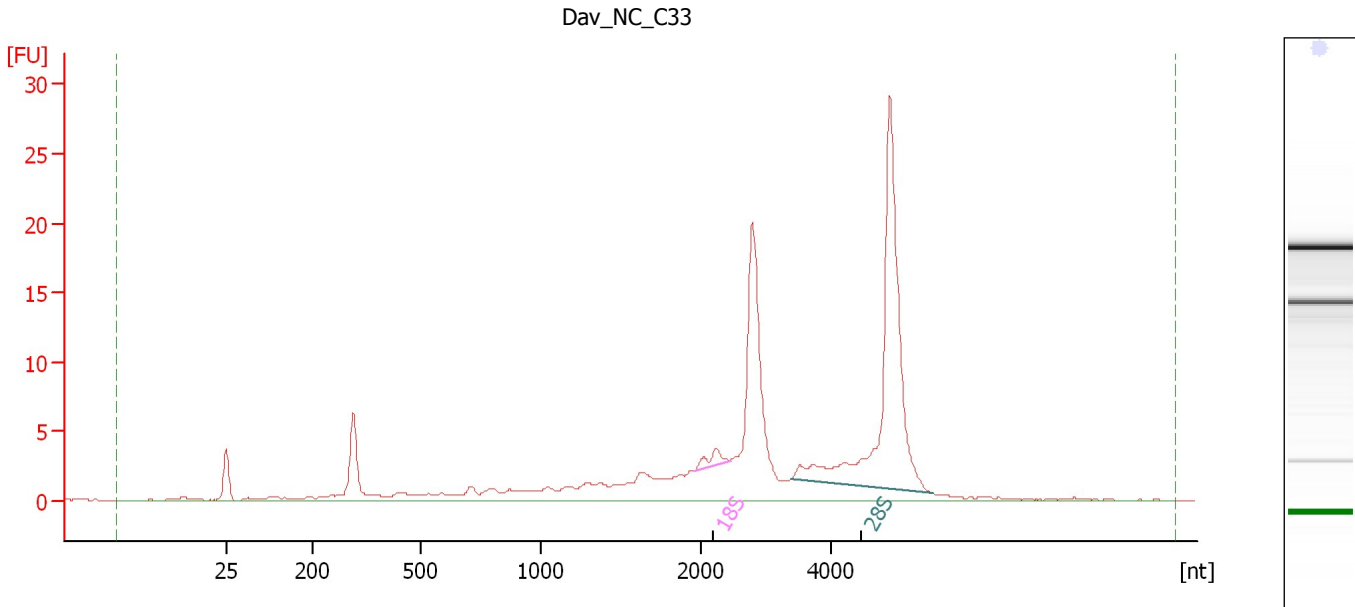
Fragment table for sample 11 : Big_NC_C32

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	2,091	2,441	1.7	0.6
28S	4,006	5,737	95.3	33.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
 Modified: 10/2/2017 12:29:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Dav_NC_C33

RNA Area:	154.0	RNA Integrity Number (RIN):	6.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	361 ng/μl		
rRNA Ratio [28s / 18s]:	25.1	Result Flagging Color:	
		Result Flagging Label:	RIN: 6.90

Fragment table for sample 12 : Dav_NC_C33

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,952	2,443	1.9	1.2
28S	3,386	5,570	47.2	30.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_003.xad

Created: 10/2/2017 11:57:27 AM
Modified: 10/2/2017 12:29:37 PM

Gel Image

