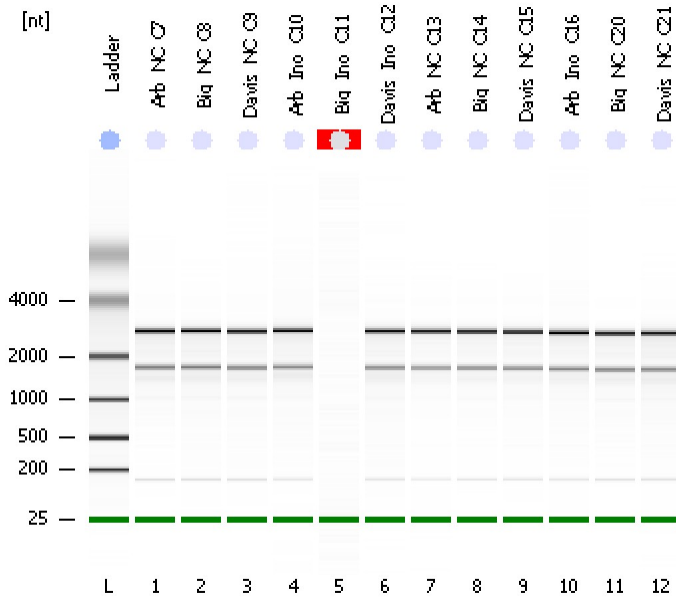


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electrophoresis File Run Summary



Instrument Information:

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

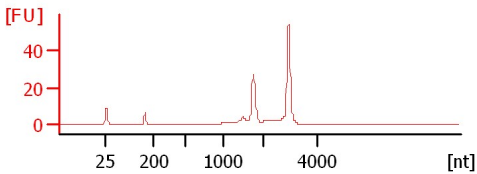
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA 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.

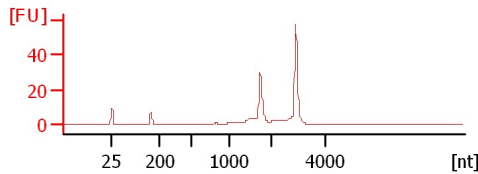
Chip Information:

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

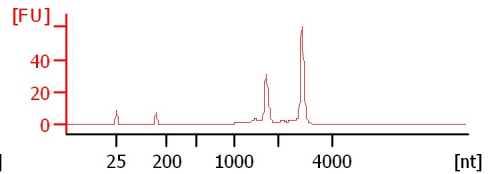
Arb_NC_C7
RIN:9



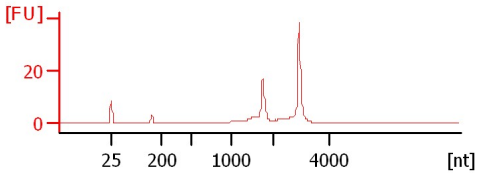
Big_NC_C8
RIN: 8.70



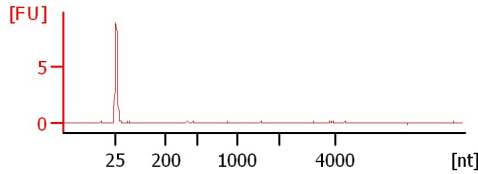
Davis_NC_C9
RIN: 8.80



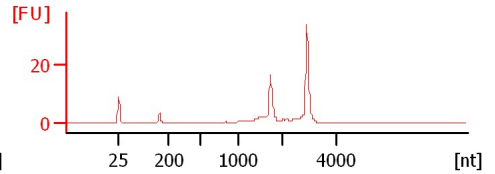
Arb_Ino_C10
RIN: 8.50



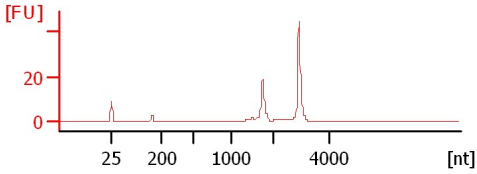
Big_Ino_C11
RIN N/A



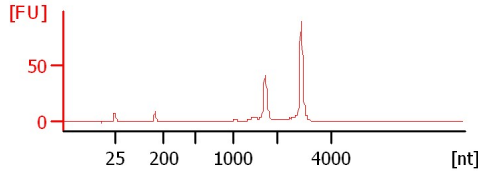
Davis_Ino_C12
RIN: 8.90



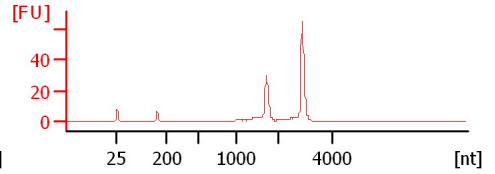
Arb_NC_C13
RIN:9



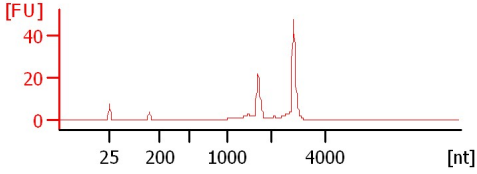
Big_NC_C14
RIN: 8.90



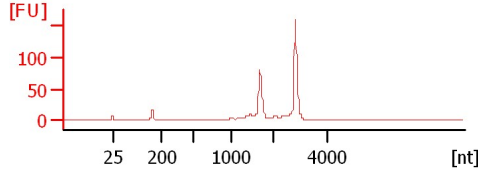
Davis_NC_C15
RIN: 8.80



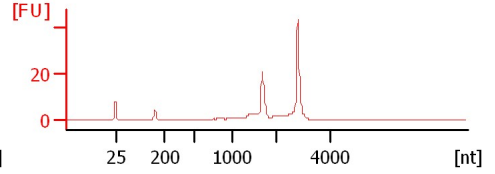
Arb_Ino_C16
RIN: 9.30



Big_NC_C20
RIN: 8.70



Davis_NC_C21
RIN: 8.60



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
 Modified: 10/2/2017 11:38:13 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Arb_NC_C7		✓	RIN:9	
Big_NC_C8		✓	RIN: 8.70	
Davis_NC_C9		✓	RIN: 8.80	
Arb_Ino_C10		✓	RIN: 8.50	
Big_Ino_C11		✓	RIN N/A	
Davis_Ino_C12		✓	RIN: 8.90	
Arb_NC_C13		✓	RIN:9	
Big_NC_C14		✓	RIN: 8.90	
Davis_NC_C15		✓	RIN: 8.80	
Arb_Ino_C16		✓	RIN: 9.30	
Big_NC_C20		✓	RIN: 8.70	
Davis_NC_C21		✓	RIN: 8.60	
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_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

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

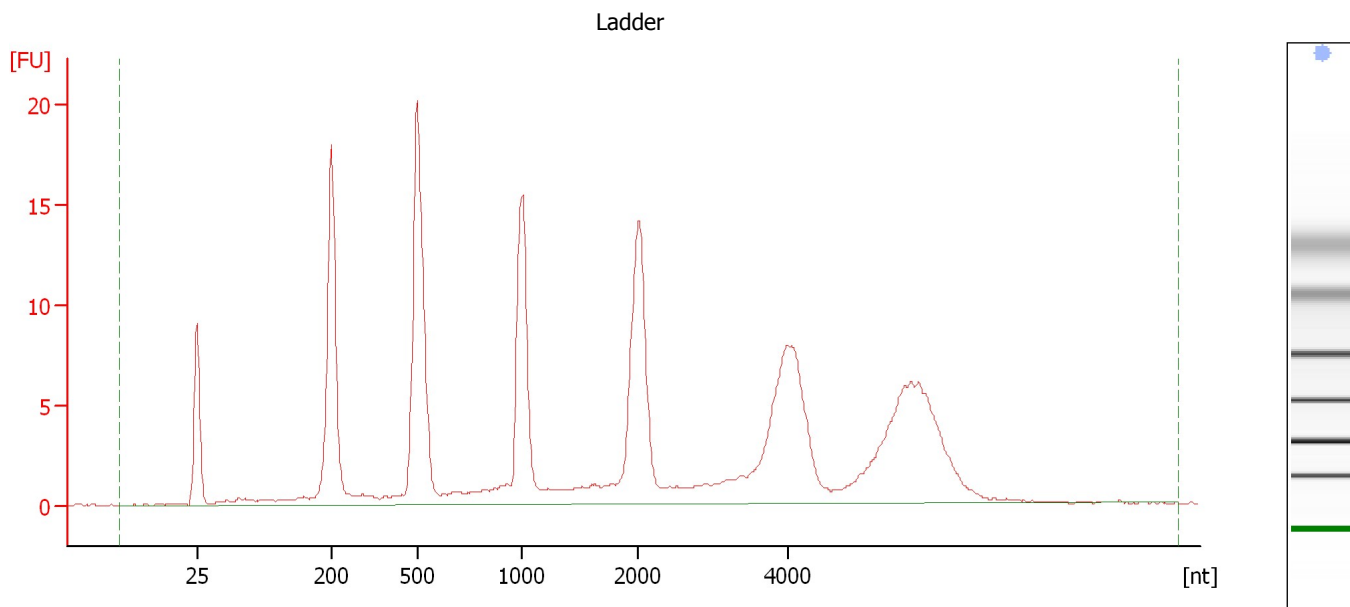
Ladder

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_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary



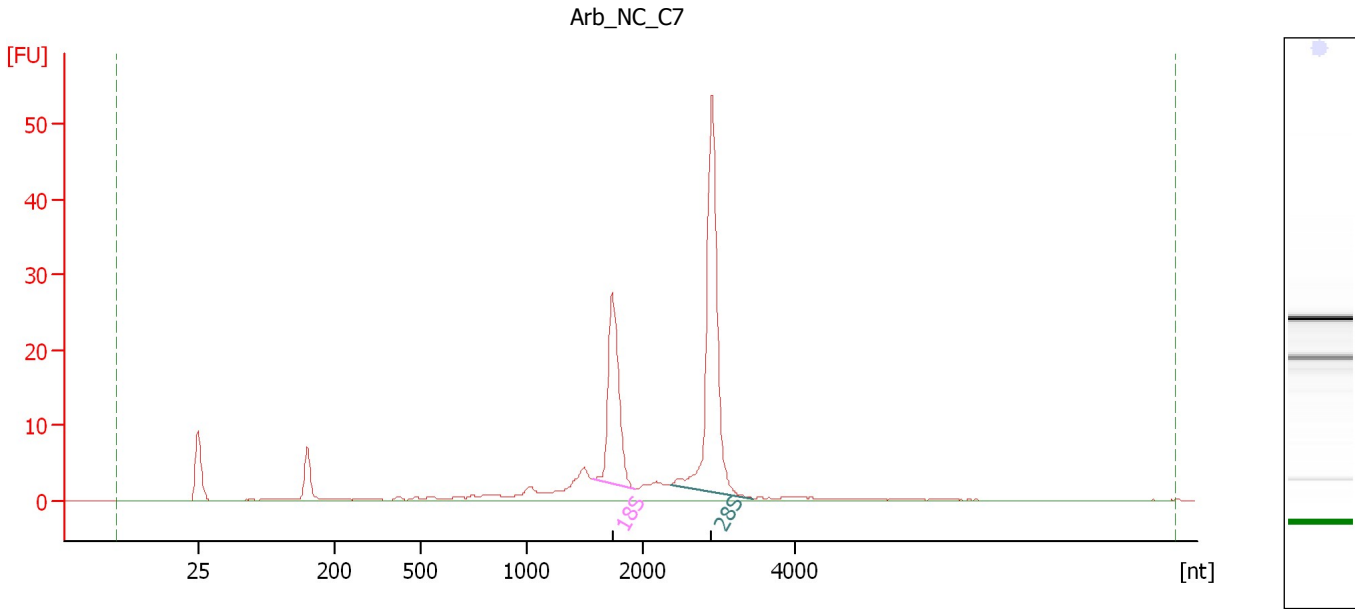
Overall Results for Ladder

RNA Area:	206.2	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\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Arb NC C7

RNA Area: 163.2 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 119 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN:9

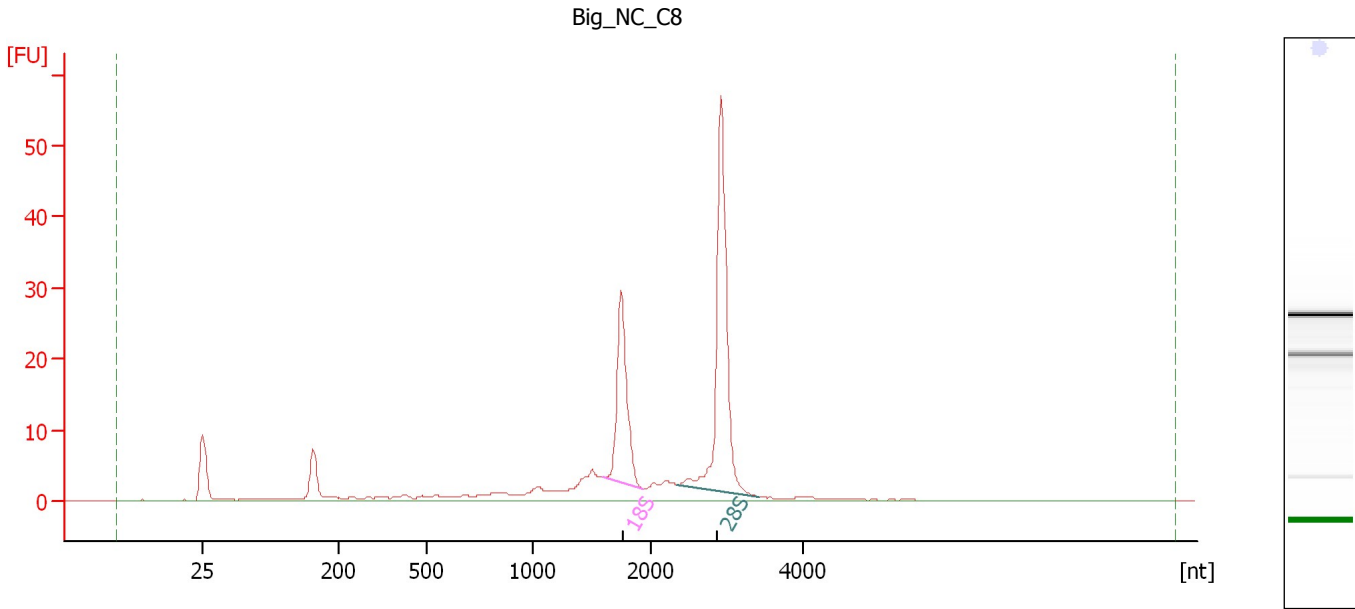
Fragment table for sample 1 : Arb NC C7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,921	33.7	20.6
28S	2,360	3,464	62.6	38.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Big_NC_C8

RNA Area:	178.8	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	130 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.70

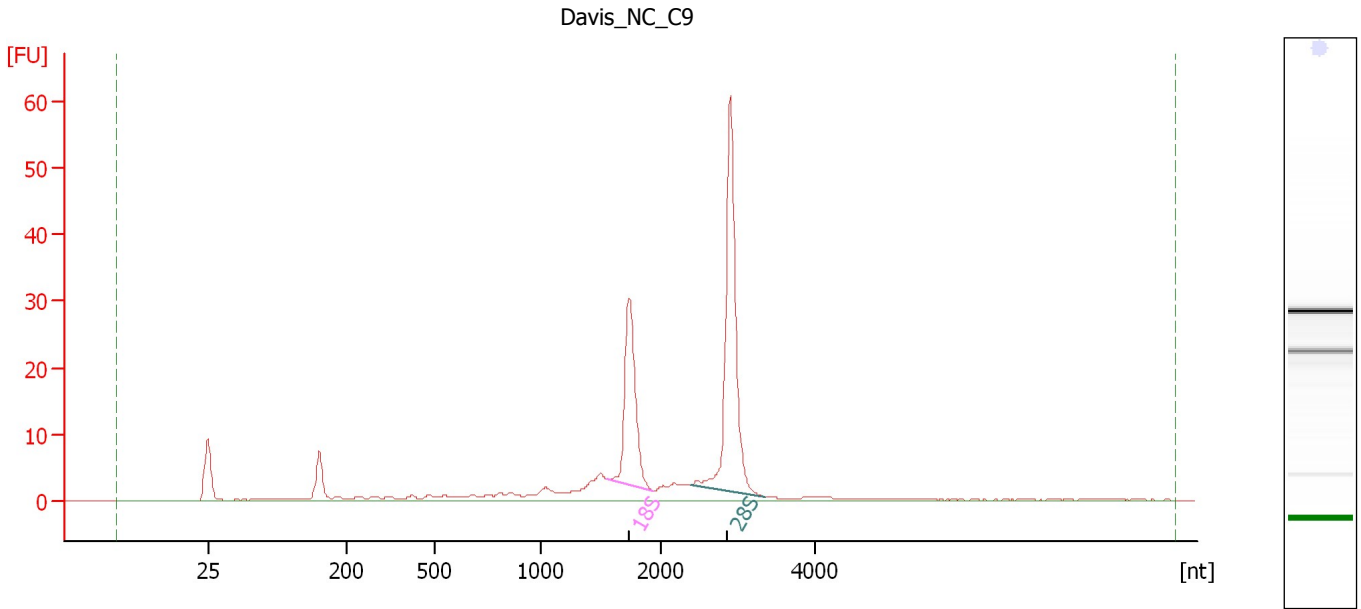
Fragment table for sample 2 : Big_NC_C8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,926	33.2	18.5
28S	2,334	3,416	62.3	34.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Davis_NC_C9

RNA Area: 183.2 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 133 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.80

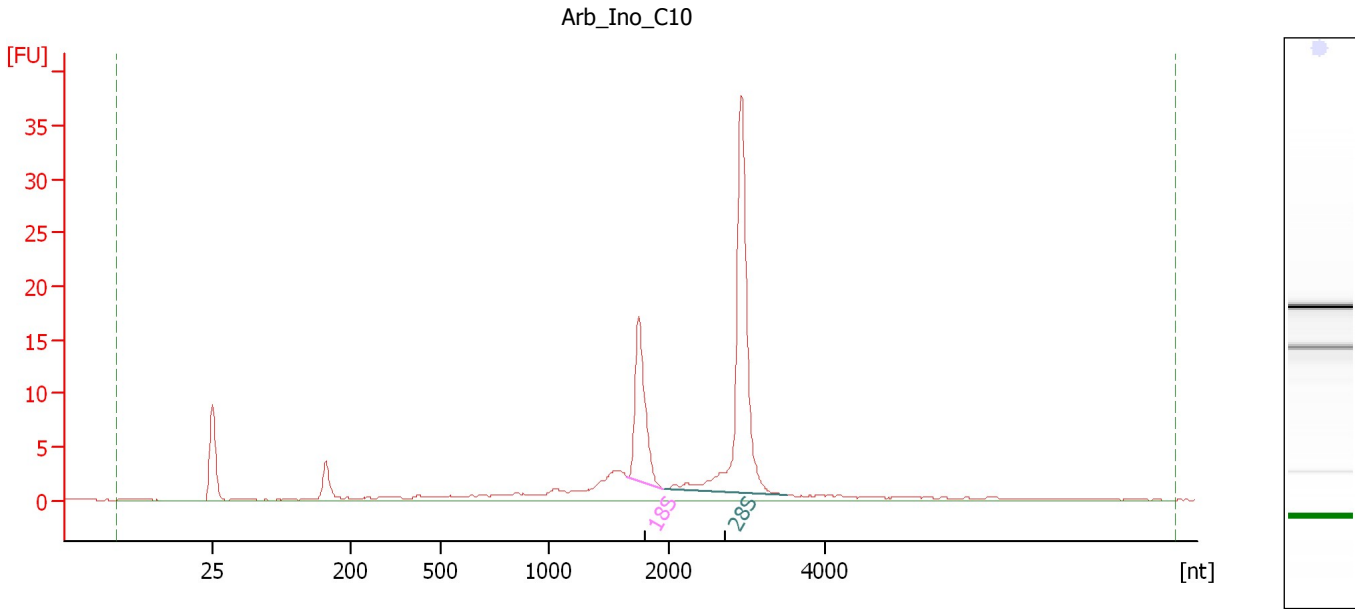
Fragment table for sample 3 : Davis_NC_C9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,548	1,931	36.0	19.7
28S	2,380	3,339	66.9	36.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Arb Ino C10

RNA Area: 112.4 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 82 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.4 Result Flagging Label: RIN: 8.50

Fragment table for sample 4 : Arb Ino C10

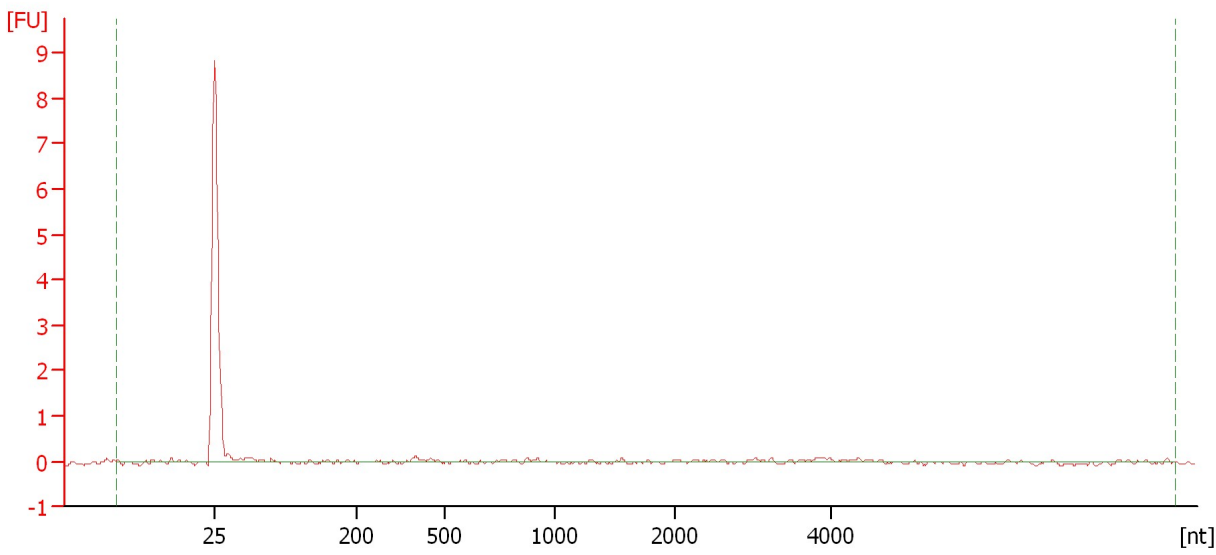
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,653	1,936	18.7	16.6
28S	1,954	3,512	44.5	39.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...

Big_Ino_C11



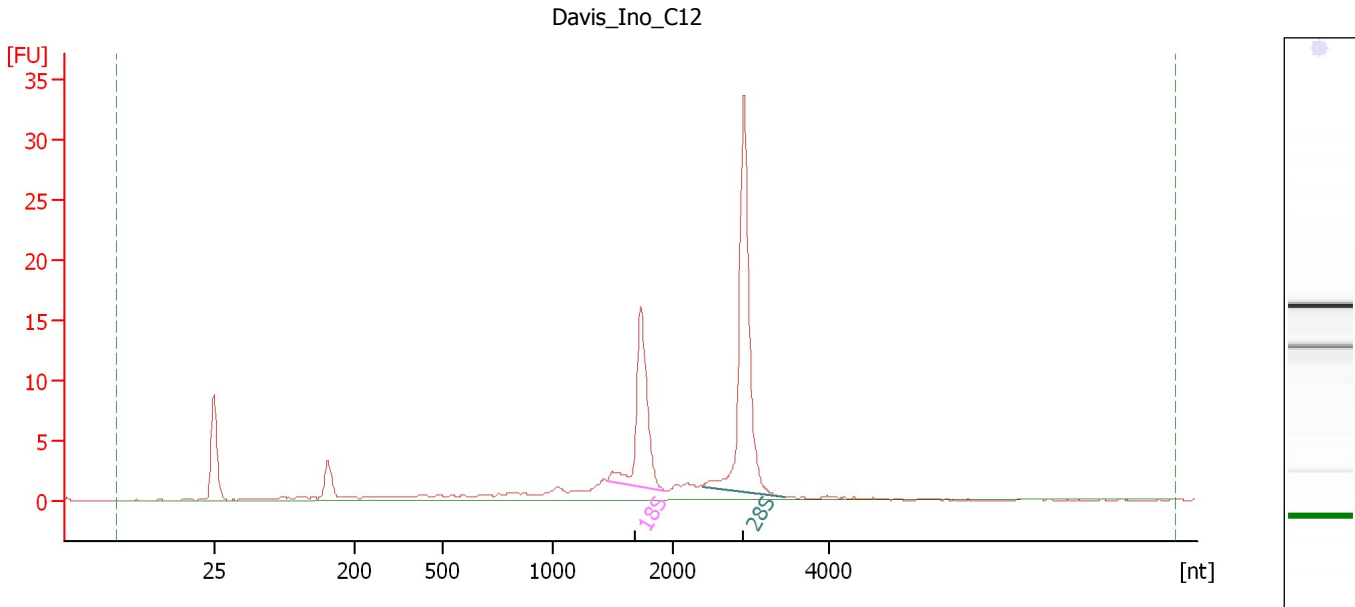
Overall Results for sample 5 : Big_Ino_C11

RNA Area:	1.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
 Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Davis Ino C12

RNA Area:	100.3	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	73 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 8.90

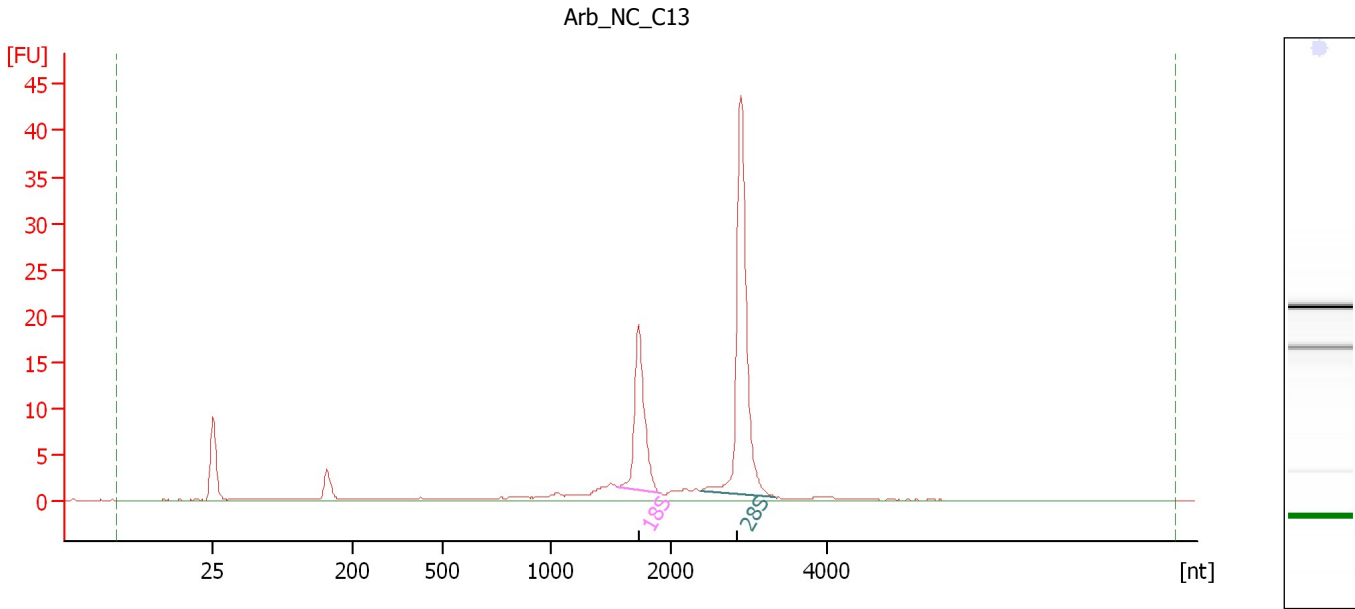
Fragment table for sample 6 : Davis Ino C12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,453	1,920	19.7	19.6
28S	2,370	3,427	35.9	35.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Arb_NC_C13

RNA Area: 107.6 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 78 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN:9

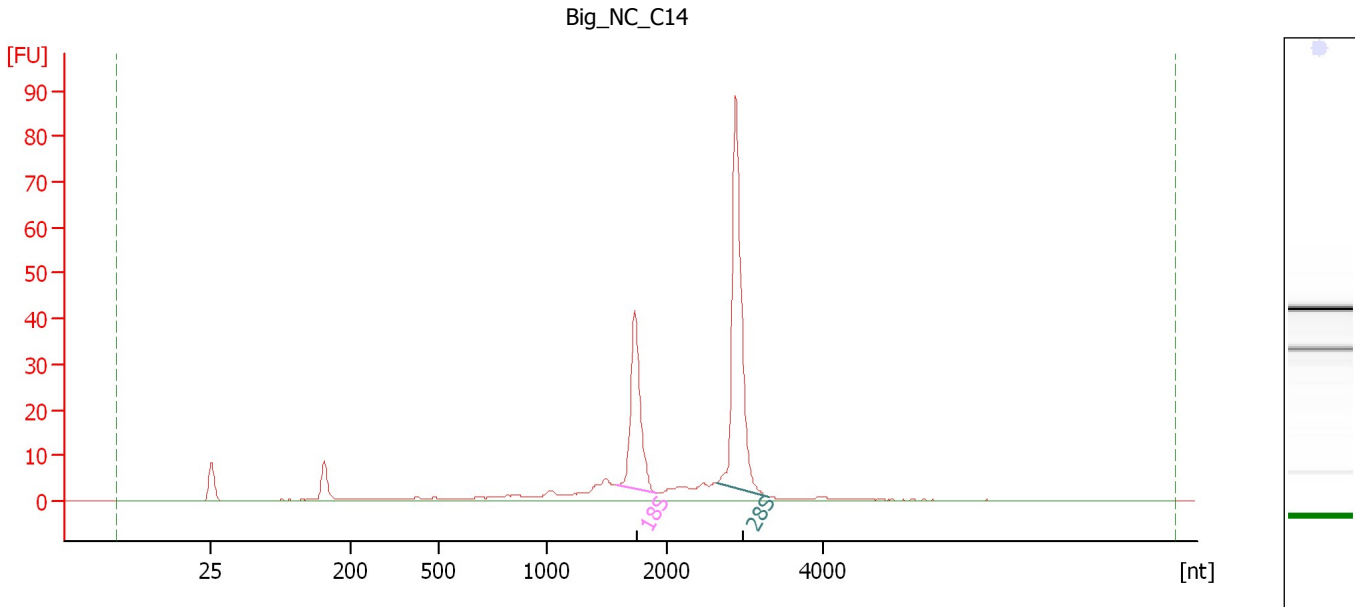
Fragment table for sample 7 : Arb_NC_C13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,540	1,910	21.9	20.4
28S	2,370	3,332	45.5	42.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Big_NC_C14

RNA Area:	236.9	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	172 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.9	Result Flagging Label:	RIN: 8.90

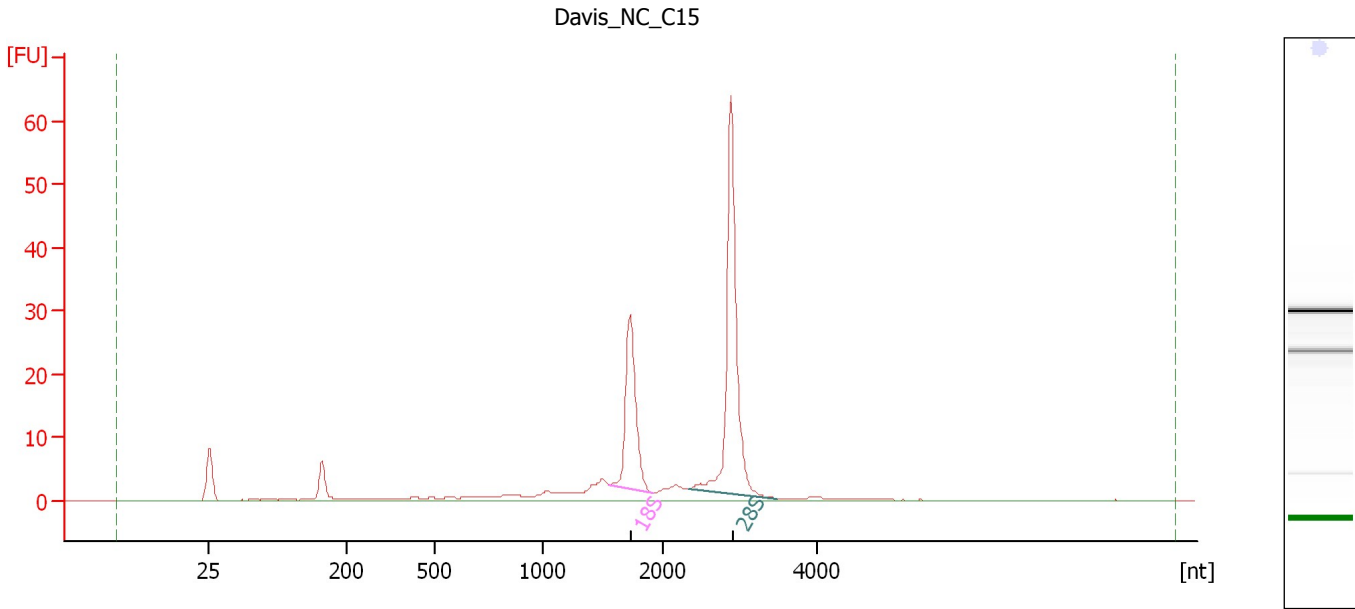
Fragment table for sample 8 : Big_NC_C14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,917	47.0	19.8
28S	2,644	3,321	87.7	37.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Davis NC C15

RNA Area: 170.7 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 124 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.80

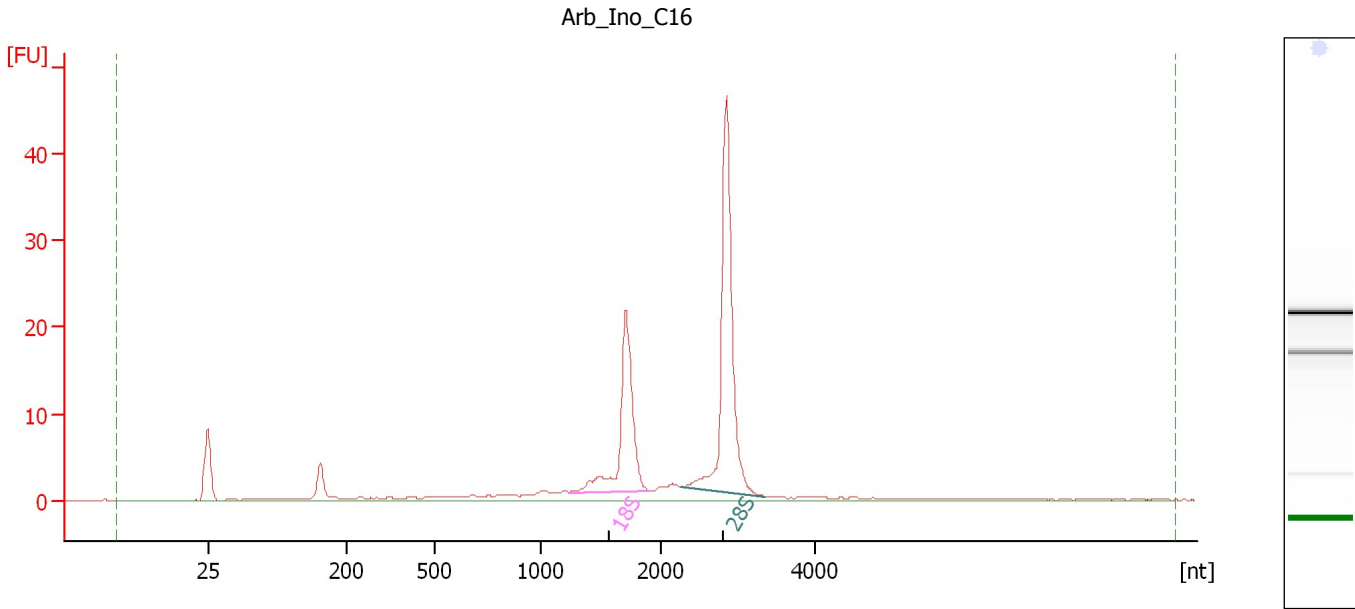
Fragment table for sample 9 : Davis NC C15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,550	1,915	33.7	19.8
28S	2,325	3,462	68.2	40.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Arb_Ino_C16

RNA Area: 134.3 RNA Integrity Number (RIN): 9.3 (B.02.08)
RNA Concentration: 98 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.30

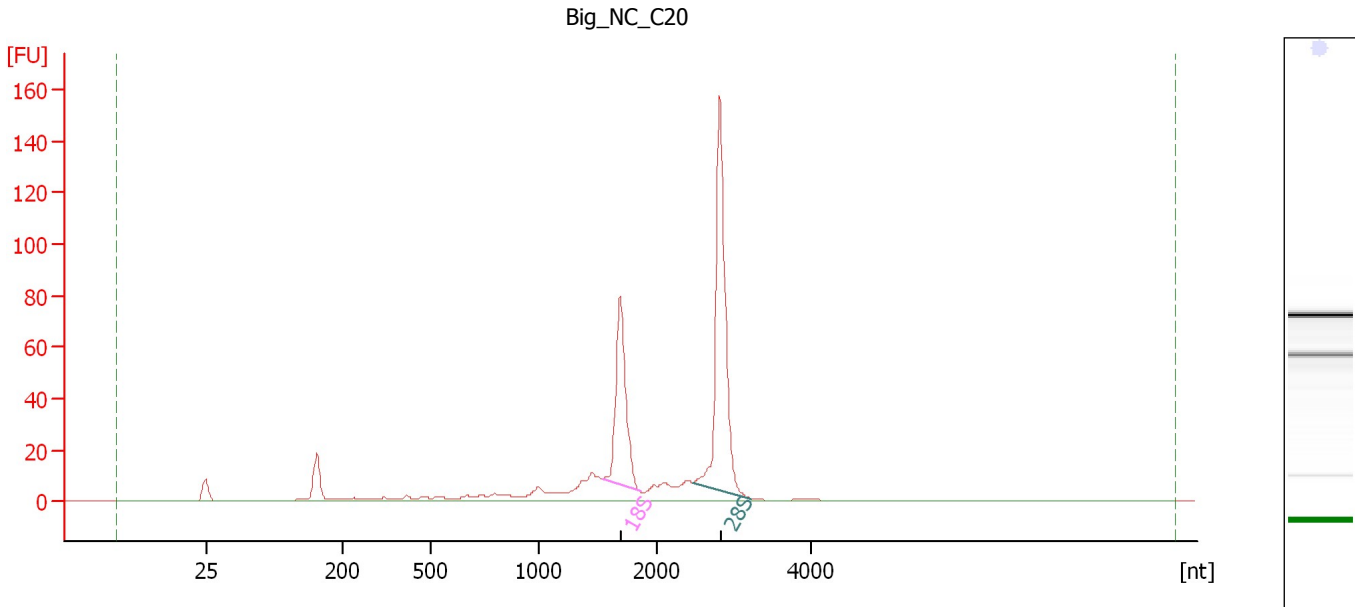
Fragment table for sample 10 : Arb_Ino_C16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,227	1,896	31.5	23.5
28S	2,255	3,353	52.5	39.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Big_NC_C20

RNA Area: 457.1 RNA Integrity Number (RIN): 8.7 (B.02.08)
RNA Concentration: 332 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 8.70

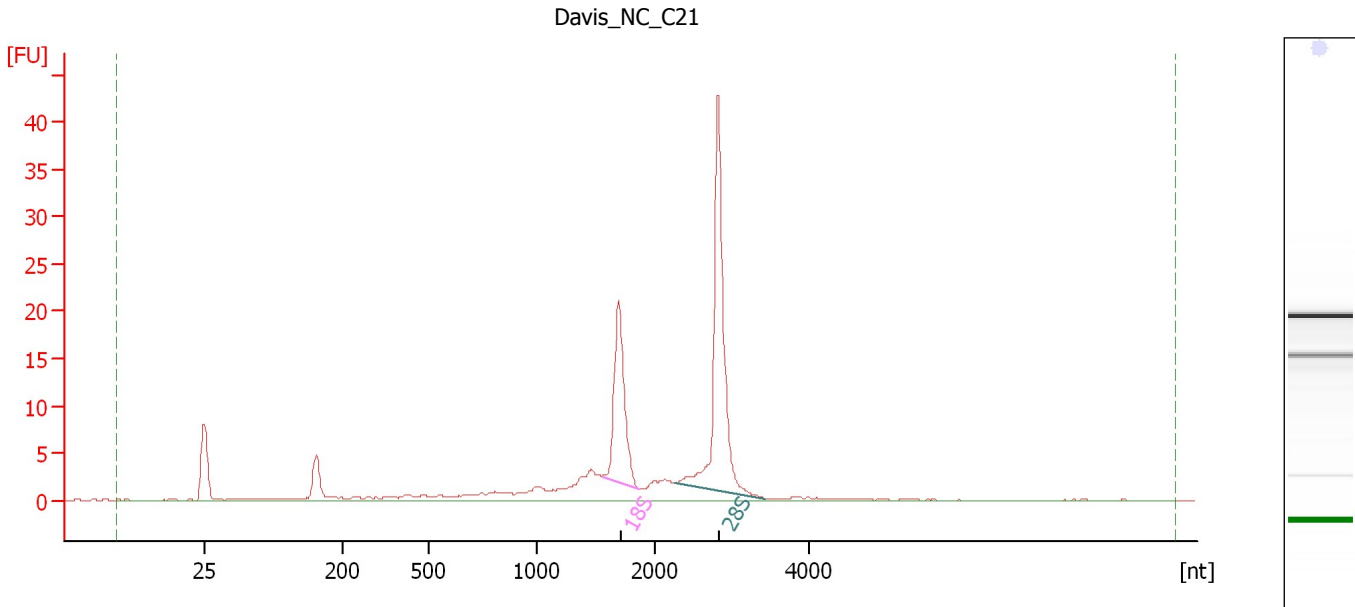
Fragment table for sample 11 : Big_NC_C20

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,535	1,858	90.7	19.8
28S	2,462	3,230	163.9	35.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Davis NC C21

RNA Area: 132.9 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 97 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.9 Result Flagging Label: RIN: 8.60

Fragment table for sample 12 : Davis NC C21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,856	24.1	18.1
28S	2,266	3,427	46.3	34.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-02\2017-10-02_002.xad

Created: 10/2/2017 11:15:09 AM
Modified: 10/2/2017 11:38:13 AM

Gel Image

