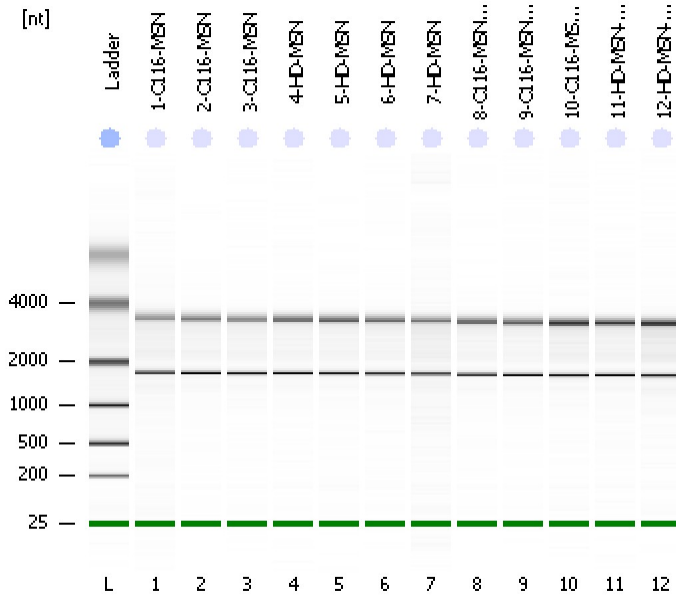


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electrophoresis File Run Summary



Instrument Information:

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

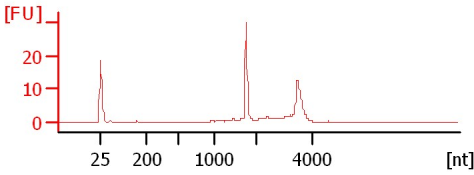
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

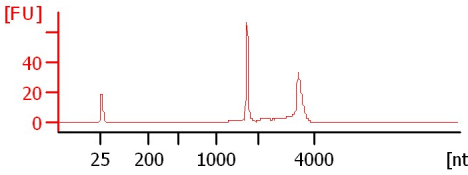
Chip Information:

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

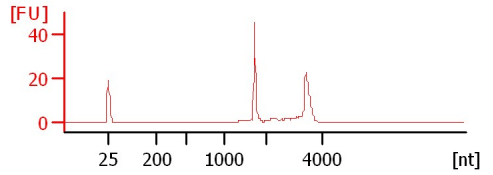
HiSeq1443
RIN: 9.10
1-C116-MSN



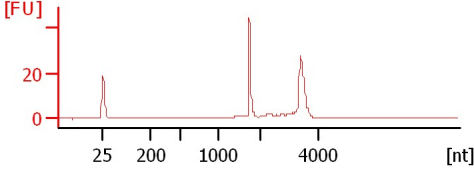
HiSeq1443
RIN: 9.50
2-C116-MSN



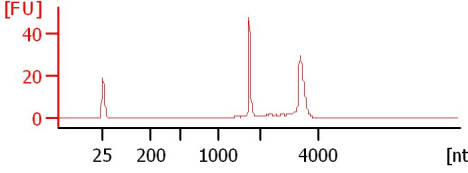
HiSeq1443
RIN: 9.60
3-C116-MSN



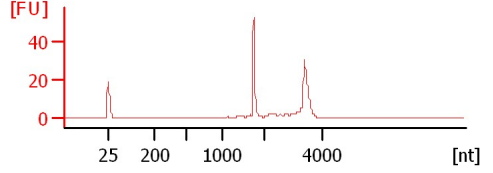
HiSeq1443
RIN: 9.70
4-HD-MSN



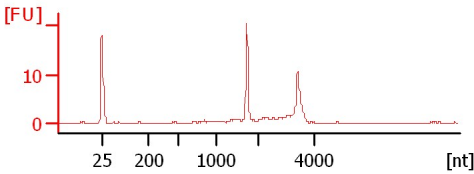
HiSeq1443
RIN: 9.70
5-HD-MSN



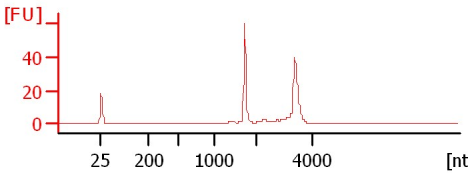
HiSeq1443
RIN: 9.70
6-HD-MSN



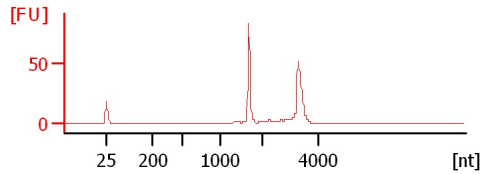
HiSeq1443
RIN: 9
7-HD-MSN



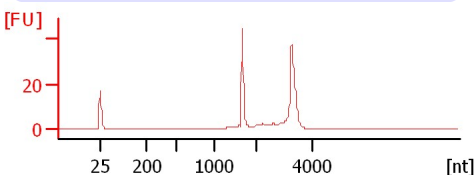
HiSeq1443
RIN: 9.60
8-C116-MSN-Net



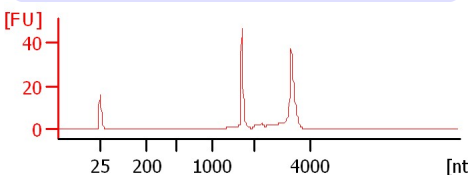
HiSeq1443
RIN: 9.60
9-C116-MSN-Net



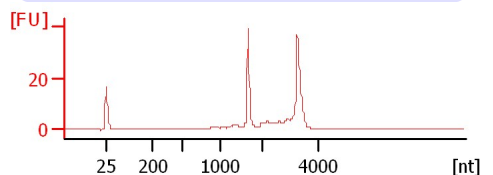
HiSeq1443
RIN: 9.80
10-C116-MSN-Net



HiSeq1443
RIN: 9.50
11-HD-MSN-Net



HiSeq1443
RIN: 9.40
12-HD-MSN-Net



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
 Modified: 6/27/2018 4:39:28 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1-C116-MSN	HiSeq1443	✓	RIN: 9.10	
2-C116-MSN	HiSeq1443	✓	RIN: 9.50	
3-C116-MSN	HiSeq1443	✓	RIN: 9.60	
4-HD-MSN	HiSeq1443	✓	RIN: 9.70	
5-HD-MSN	HiSeq1443	✓	RIN: 9.70	
6-HD-MSN	HiSeq1443	✓	RIN: 9.70	
7-HD-MSN	HiSeq1443	✓	RIN:9	
8-C116-MSN-Net	HiSeq1443	✓	RIN: 9.60	
9-C116-MSN-Net	HiSeq1443	✓	RIN: 9.60	
10-C116-MSN-Net	HiSeq1443	✓	RIN: 9.80	
11-HD-MSN-Net	HiSeq1443	✓	RIN: 9.50	
12-HD-MSN-Net	HiSeq1443	✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 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

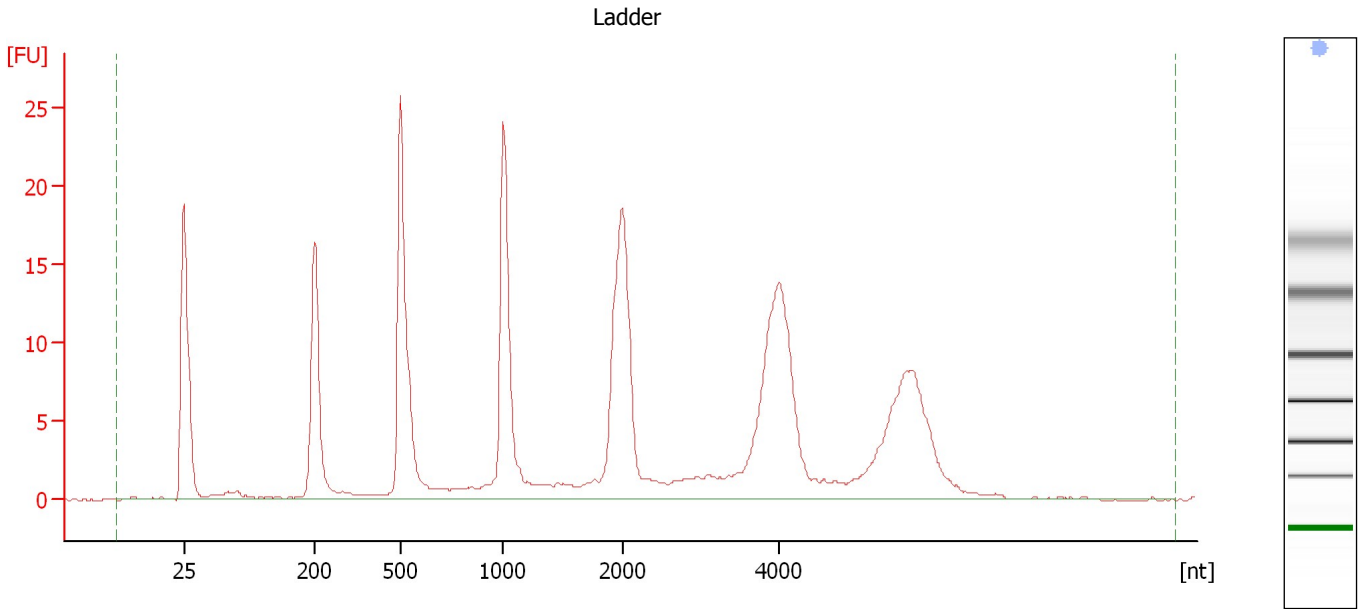
Ladder

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\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary



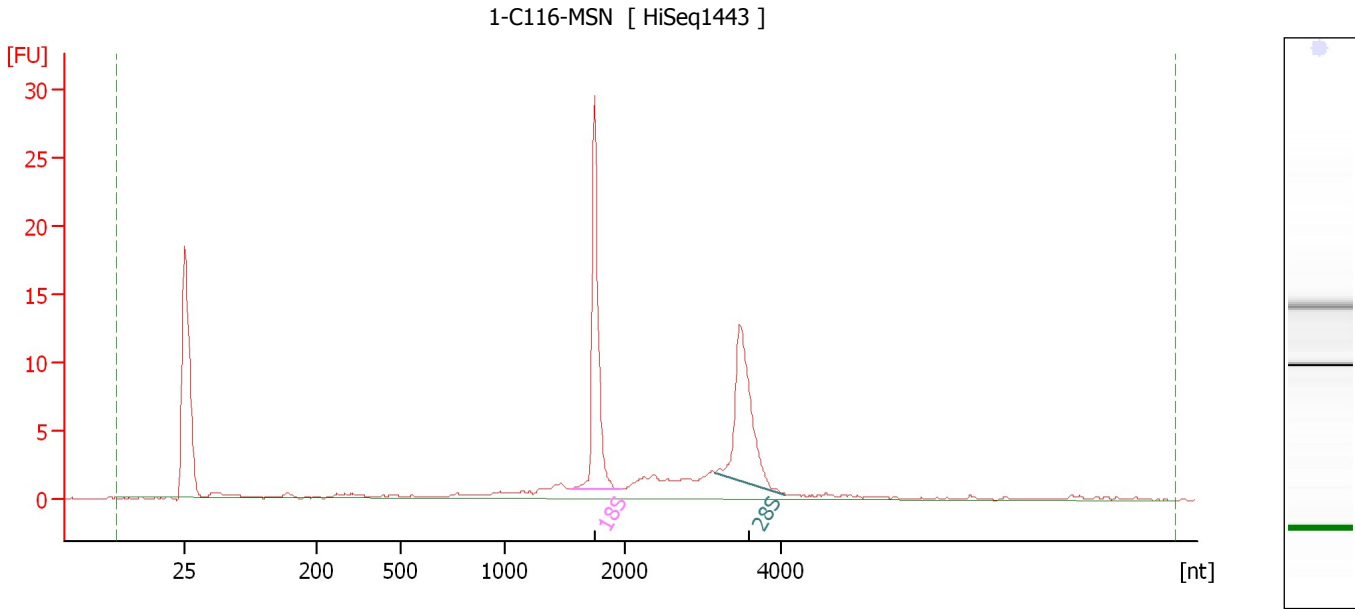
Overall Results for Ladder

RNA Area:	252.3	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\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
 Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 1-C116-MSN

RNA Area:	85.8	RNA Integrity Number (RIN):	9.1 (B.02.08)
RNA Concentration:	51 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 9.10

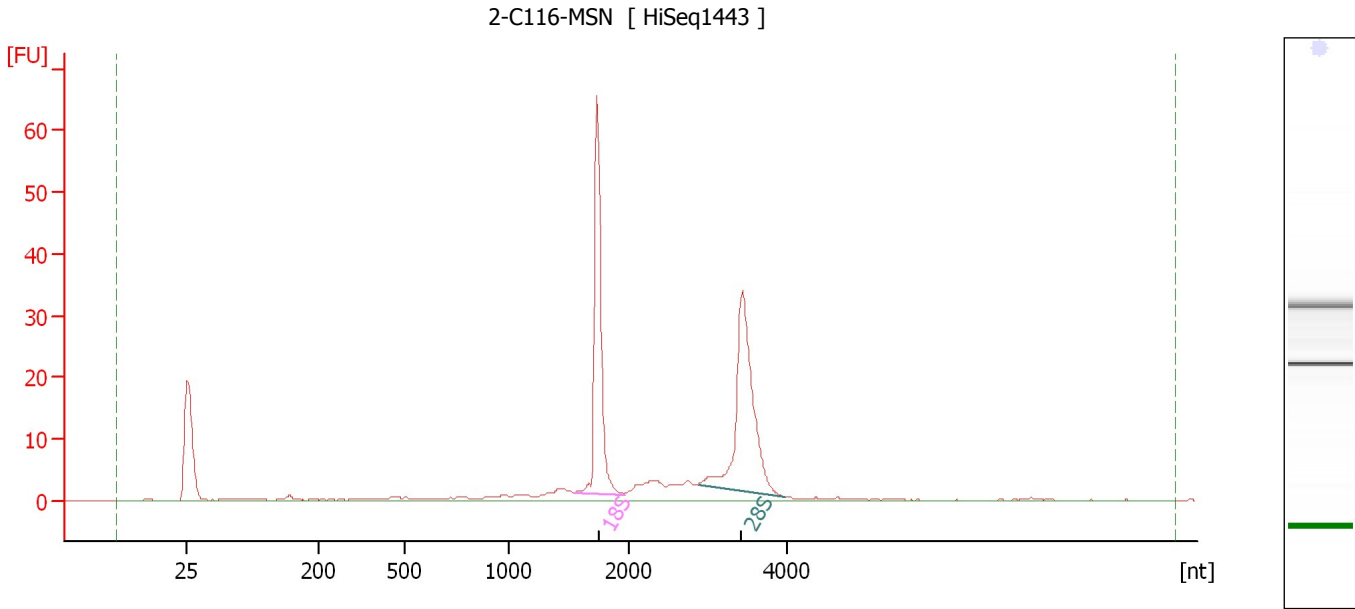
Fragment table for sample 1 : 1-C116-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,964	23.3	27.1
28S	3,141	4,051	19.7	22.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2-C116-MSN

RNA Area: 187.0 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 111 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 9.50

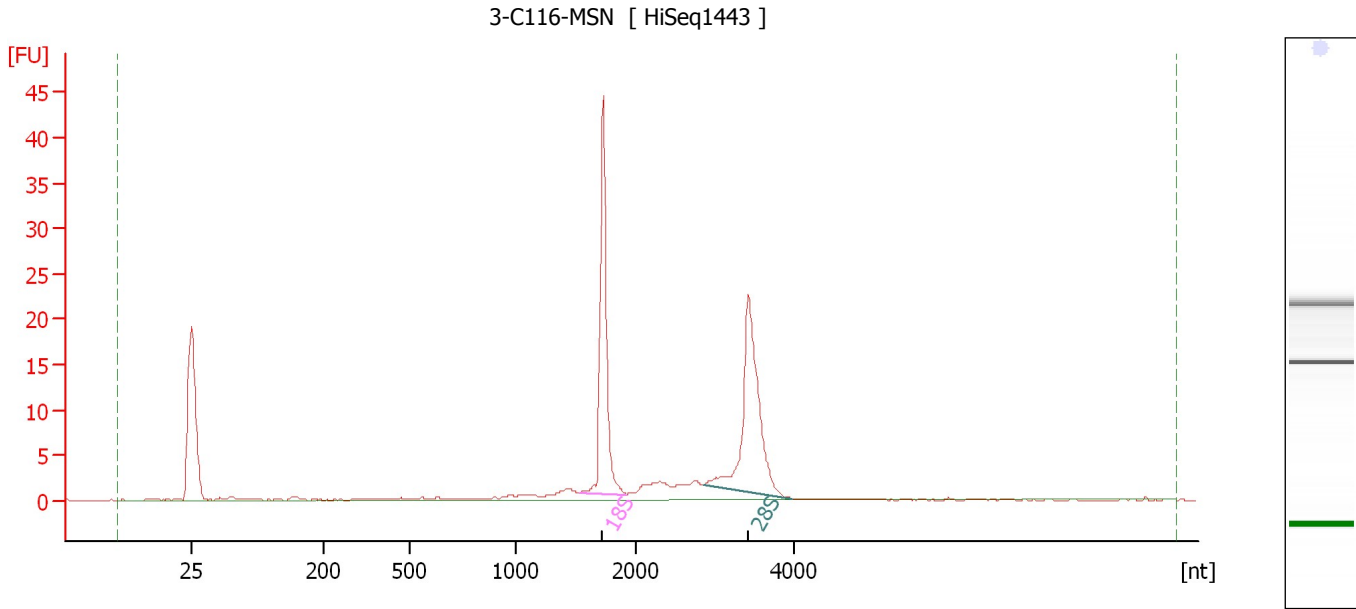
Fragment table for sample 2 : 2-C116-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,966	51.7	27.7
28S	2,882	3,977	58.8	31.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3-C116-MSN

RNA Area: 115.9 RNA Integrity Number (RIN): 9.6 (B.02.08)
RNA Concentration: 69 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 9.60

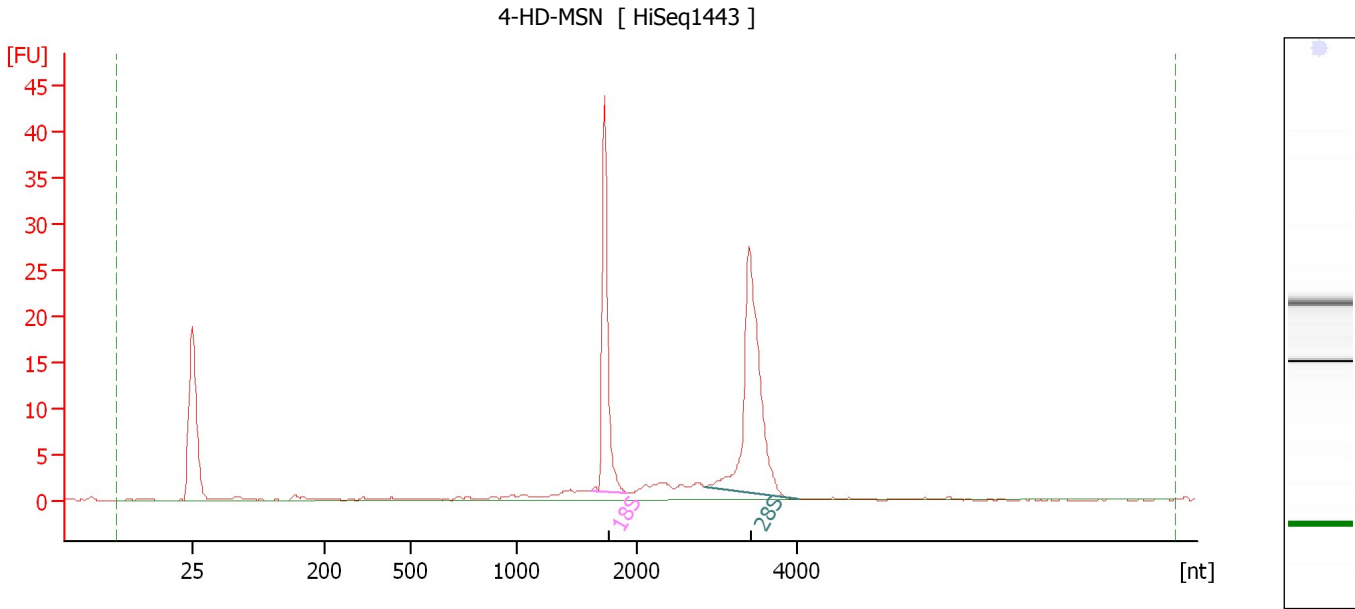
Fragment table for sample 3 : 3-C116-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,533	1,925	34.6	29.8
28S	2,853	3,968	37.6	32.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4-HD-MSN

RNA Area: 116.1 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 69 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.70

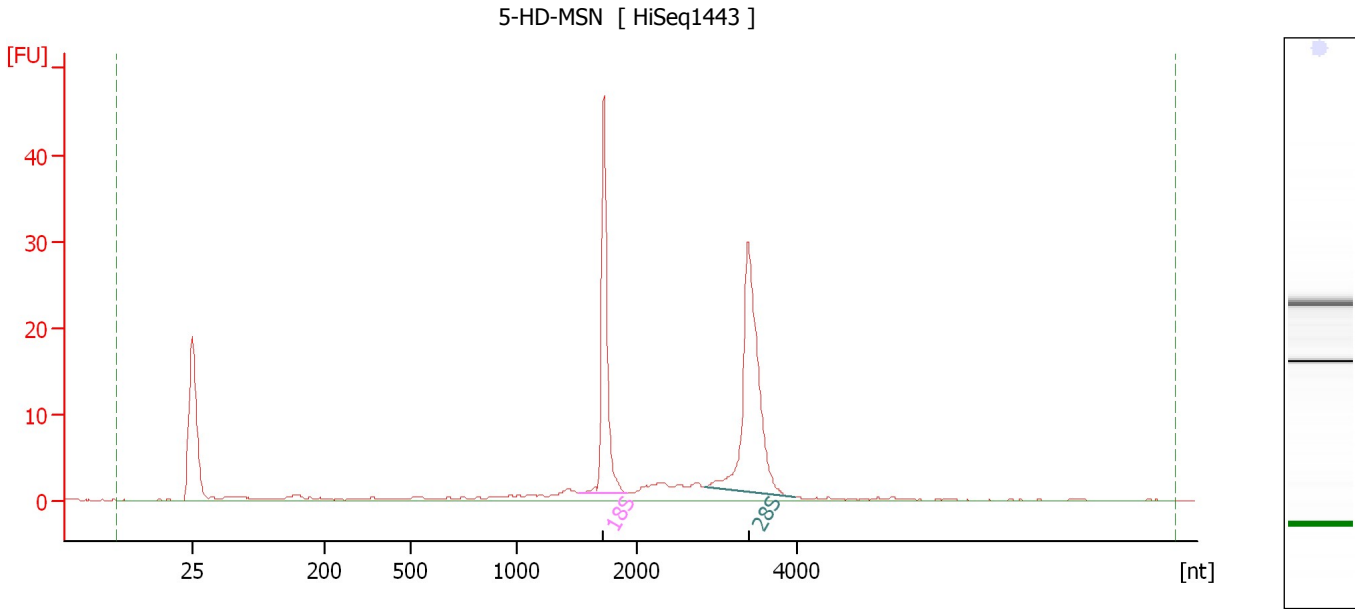
Fragment table for sample 4 : 4-HD-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,615	1,926	32.3	27.8
28S	2,866	4,032	45.9	39.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 5-HD-MSN

RNA Area: 128.6 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 76 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.70

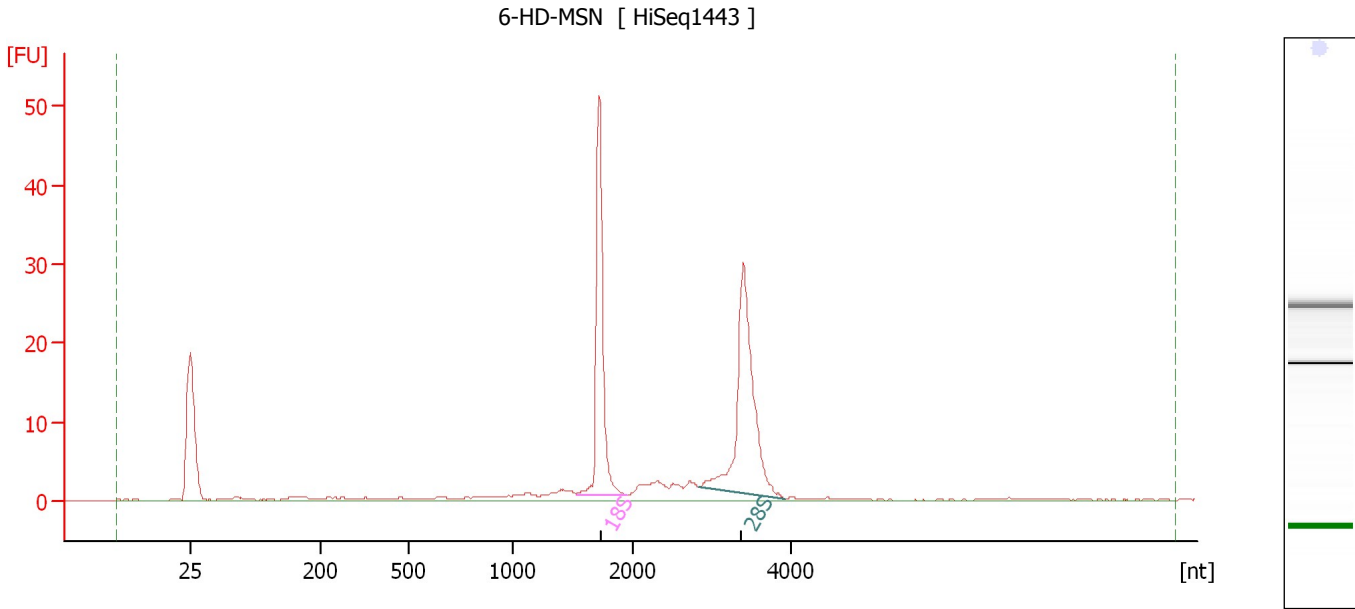
Fragment table for sample 5 : 5-HD-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,526	1,917	35.3	27.5
28S	2,853	3,978	49.4	38.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6-HD-MSN

RNA Area: 138.9 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 83 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 9.70

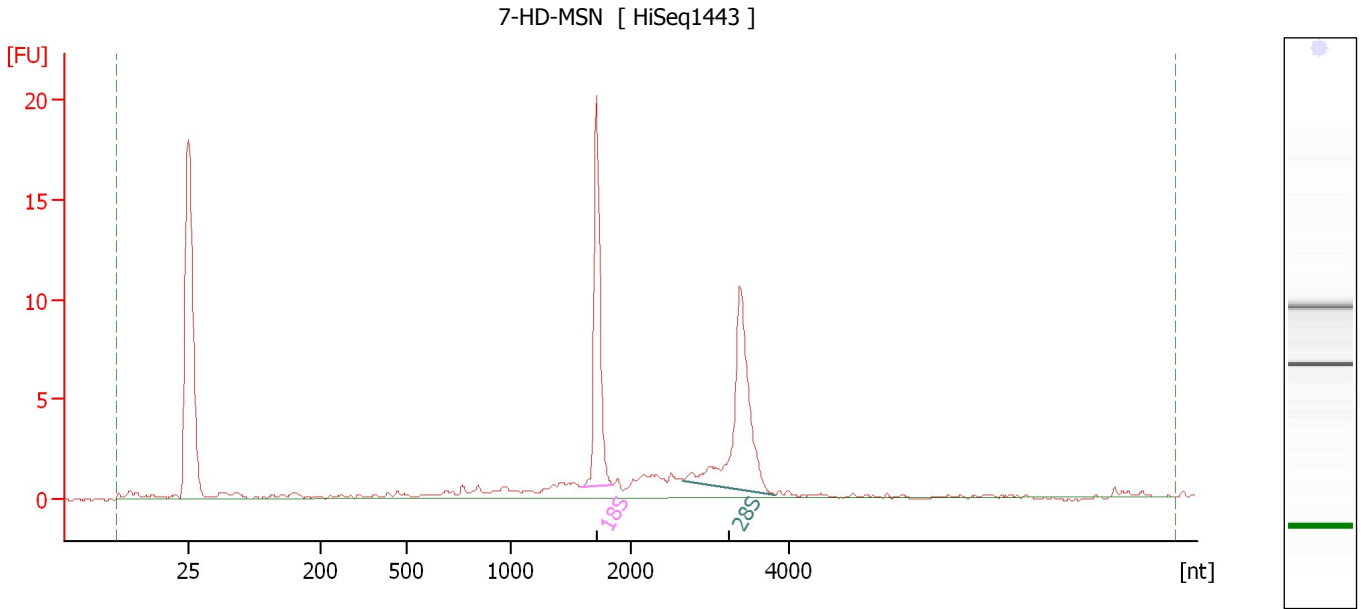
Fragment table for sample 6 : 6-HD-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,531	1,959	39.8	28.6
28S	2,840	3,917	50.0	36.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7-HD-MSN

RNA Area: 62.6 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 37 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:9

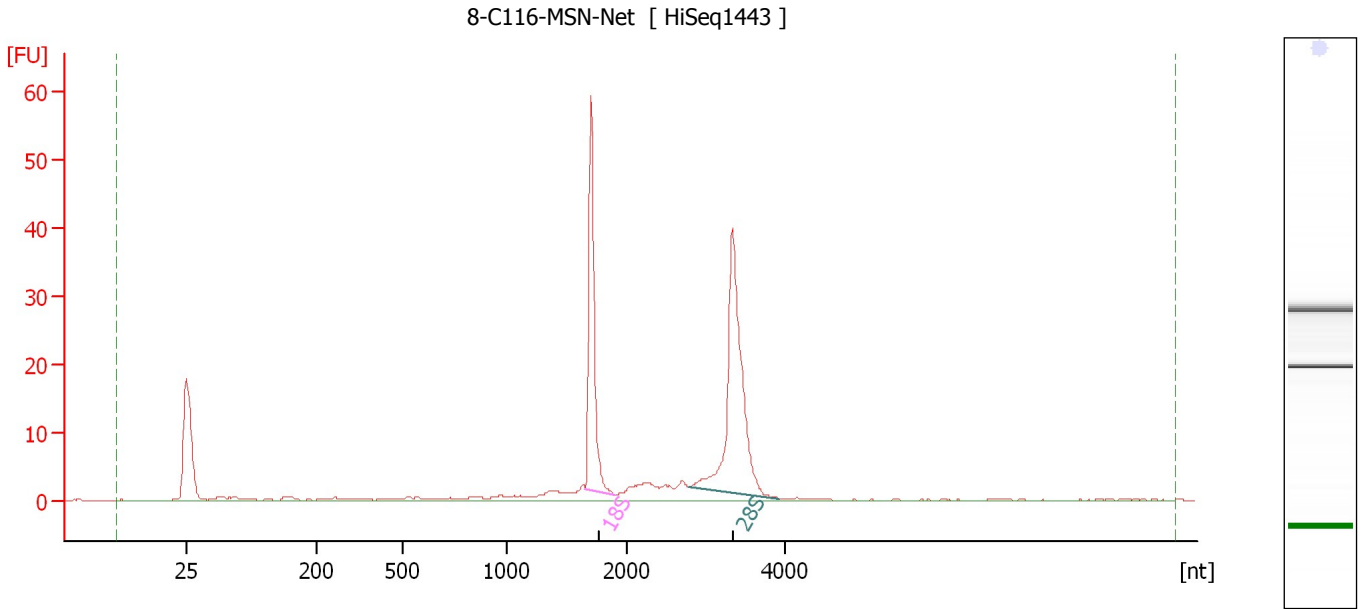
Fragment table for sample 7 : 7-HD-MSN

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,583	1,860	14.6	23.3
28S	2,665	3,825	17.3	27.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8-C116-MSN-Net

RNA Area: 155.4 RNA Integrity Number (RIN): 9.6 (B.02.08)
RNA Concentration: 92 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 9.60

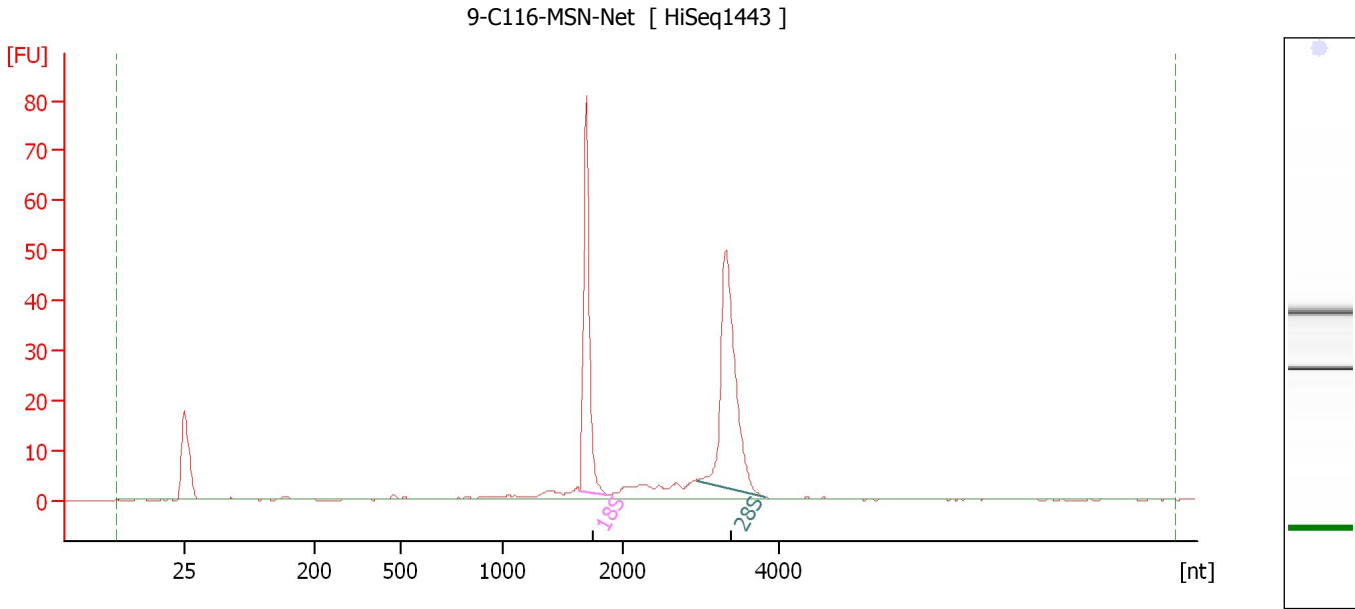
Fragment table for sample 8 : 8-C116-MSN-Net

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,651	1,903	43.0	27.7
28S	2,788	3,926	61.6	39.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9-C116-MSN-Net

RNA Area: 195.1 RNA Integrity Number (RIN): 9.6 (B.02.08)
RNA Concentration: 116 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 9.60

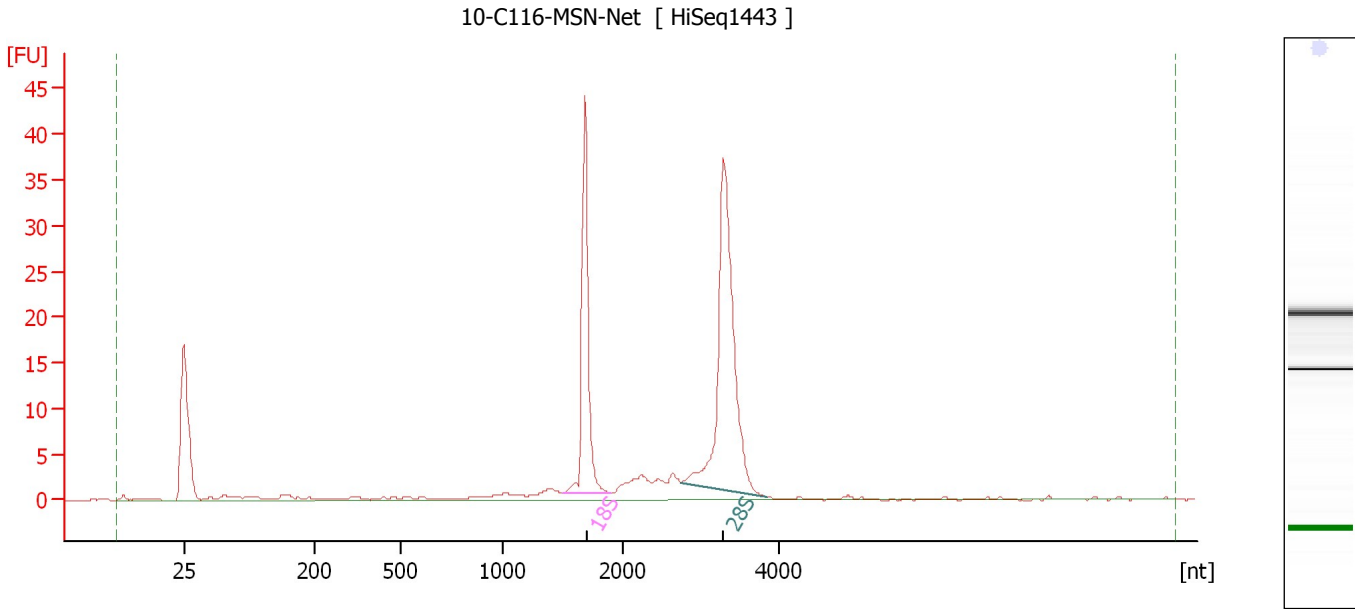
Fragment table for sample 9 : 9-C116-MSN-Net

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,873	58.9	30.2
28S	2,952	3,809	76.3	39.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
 Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 10-C116-MSN-Net

RNA Area:	143.9	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

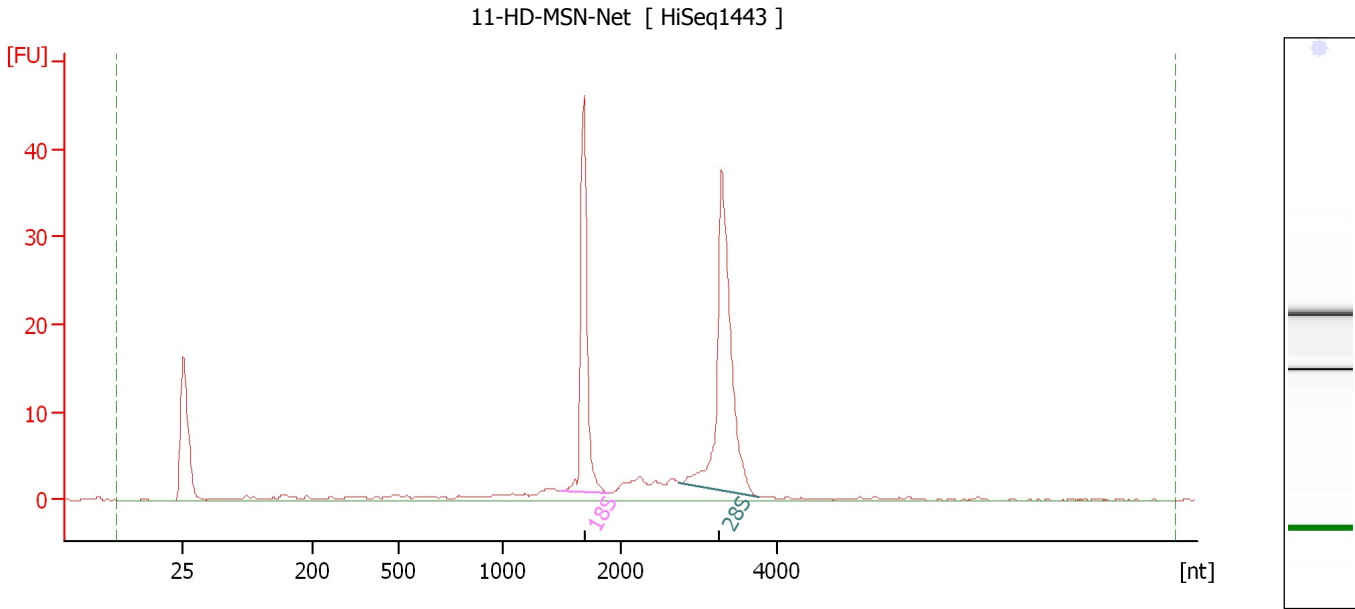
Fragment table for sample 10 : 10-C116-MSN-Net

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,504	1,900	34.0	23.6
28S	2,748	3,836	61.5	42.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 11-HD-MSN-Net

RNA Area: 145.2 RNA Integrity Number (RIN): 9.5 (B.02.08)
RNA Concentration: 86 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 9.50

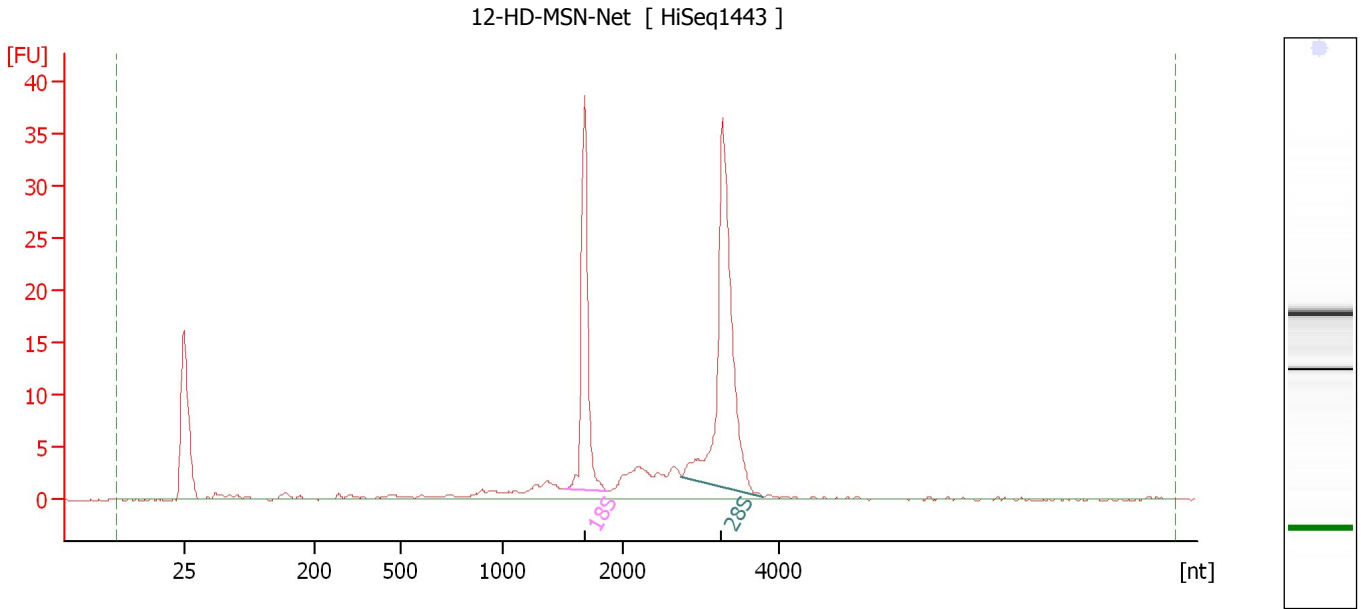
Fragment table for sample 11 : 11-HD-MSN-Net

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,502	1,899	35.9	24.7
28S	2,748	3,757	55.2	38.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 12-HD-MSN-Net

RNA Area: 135.7 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 81 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.40

Fragment table for sample 12 : 12-HD-MSN-Net

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,513	1,873	30.6	22.5
28S	2,748	3,795	54.3	40.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-06-27\2018-06-27_002.xad

Created: 6/27/2018 4:15:42 PM
Modified: 6/27/2018 4:39:28 PM

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