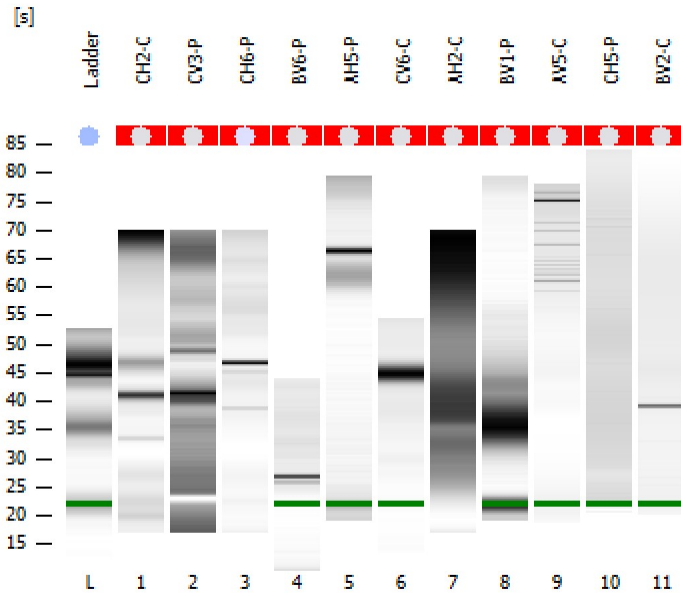


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
Modified: 12/5/2019 11:33:44 AM

Electrophoresis File Run Summary



Instrument Information:

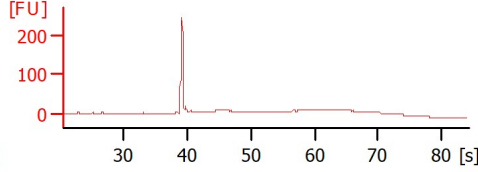
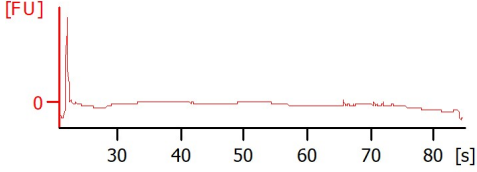
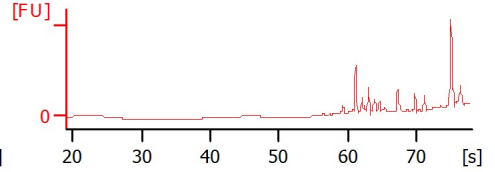
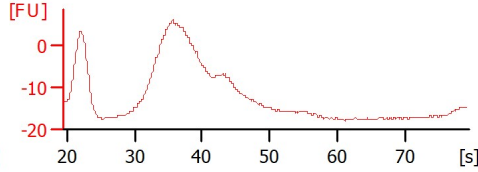
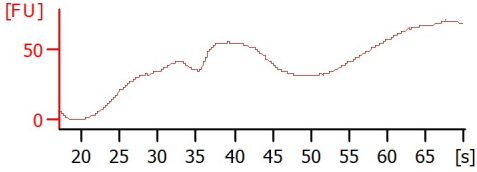
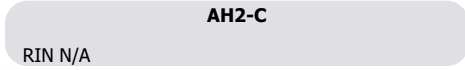
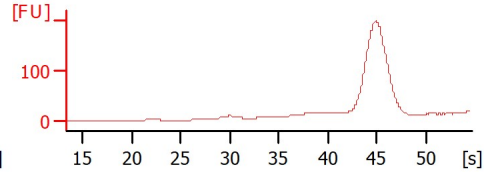
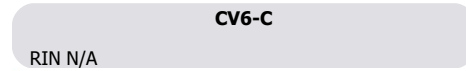
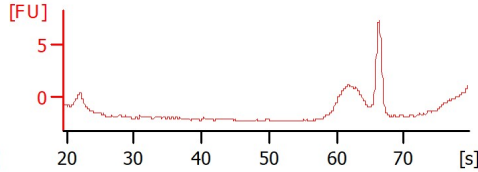
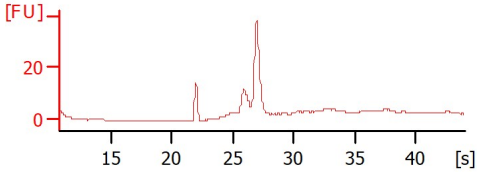
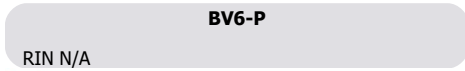
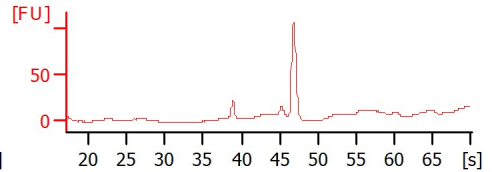
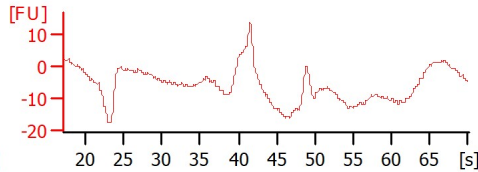
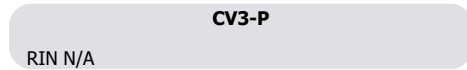
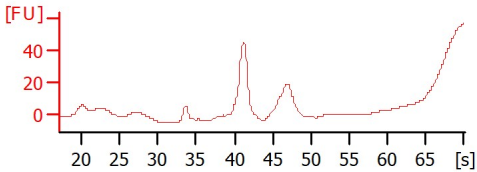
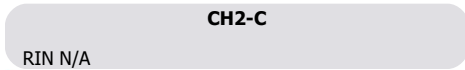
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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)  
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

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



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
CH2-C		✓	RIN N/A	
CV3-P		✓	RIN N/A	
CH6-P		✓	RIN: 5.60	
BV6-P		✓	RIN N/A	
AH5-P		✓	RIN N/A	
CV6-C		✓	RIN N/A	
AH2-C		✓	RIN N/A	
BV1-P		✓	RIN N/A	
AV5-C		✓	RIN N/A	
CH5-P		✓	RIN N/A	
BV2-C		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
 Minimum Visible Range [s] : 17  
 Maximum Visible Range [s] : 70  
 Start Analysis Time Range [s] : 18  
 End Analysis Time Range [s] : 69  
 Ladder Concentration [pg/μl] : 1000  
 Lower Marker Concentration [pg/μl] : 0  
 Upper Marker Concentration [pg/μl] : 0  
 Used Lower Marker for Quantitation  
 Standard Curve Fit is Logarithmic  
 Show Data Aligned to Lower Marker

**Integrator Settings**

Integration Start Time [s] : 18  
 Integration End Time [s] : 69  
 Slope Threshold : 0.6  
 Height Threshold [FU] : 0.5  
 Area Threshold : 0.2  
 Width Threshold [s] : 0.3  
 Baseline Plateau [s] : 6

**Filter Settings**

Filter Width [s] : 0.5  
 Polynomial Order : 4

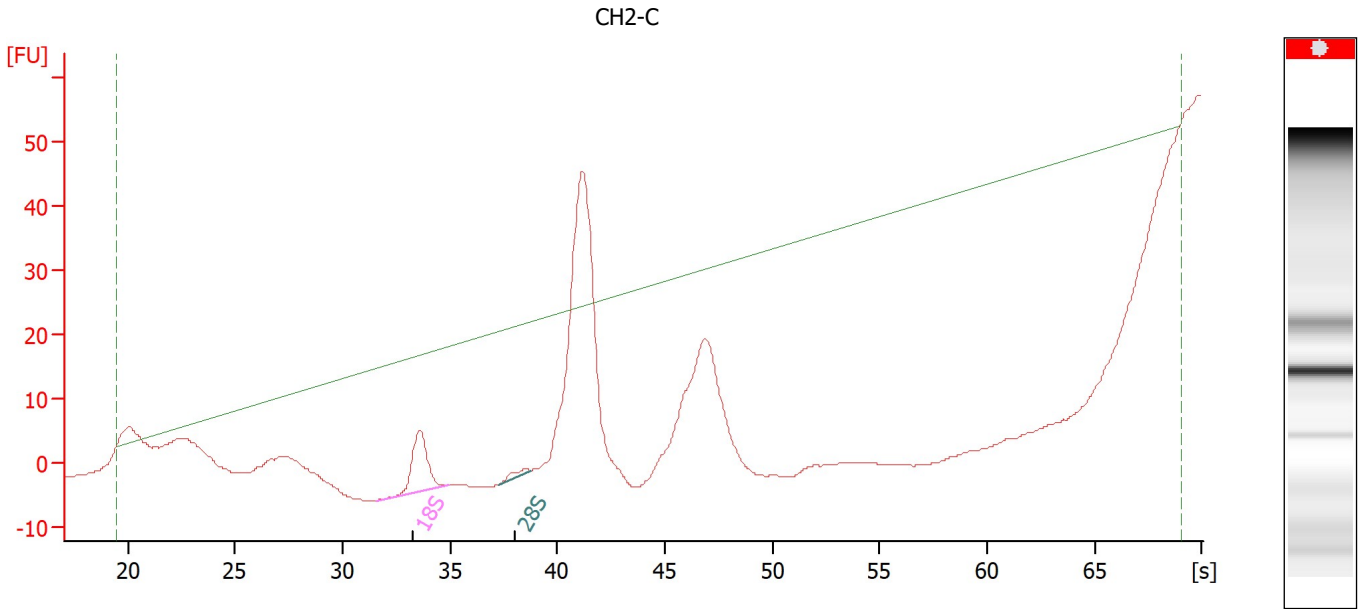
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary**



**Overall Results for sample 1 : CH2-C**

RNA Area:	44.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	242 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]:	0.1	Result Flagging Label:	RIN N/A

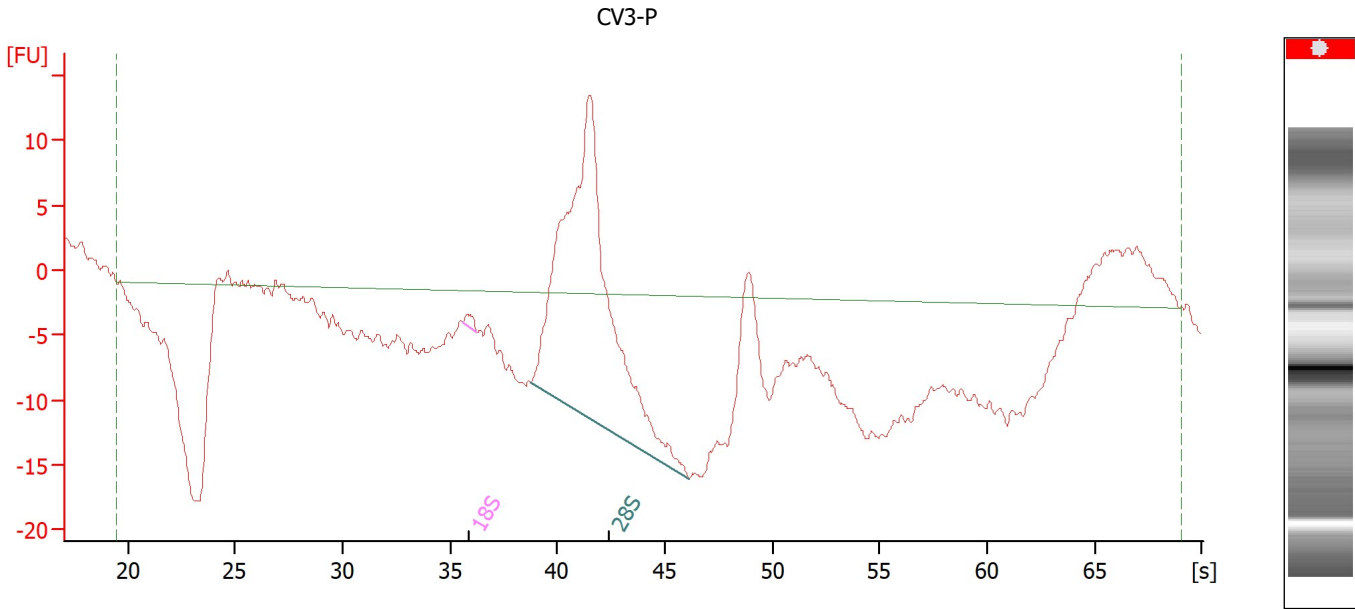
**Fragment table for sample 1 : CH2-C**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	31.55	34.95	24.2	54.4
28S	37.30	38.75	1.9	4.3

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : CV3-P**

RNA Area:	70.8	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	384 µg/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]:	112.9	Result Flagging Label:	RIN N/A

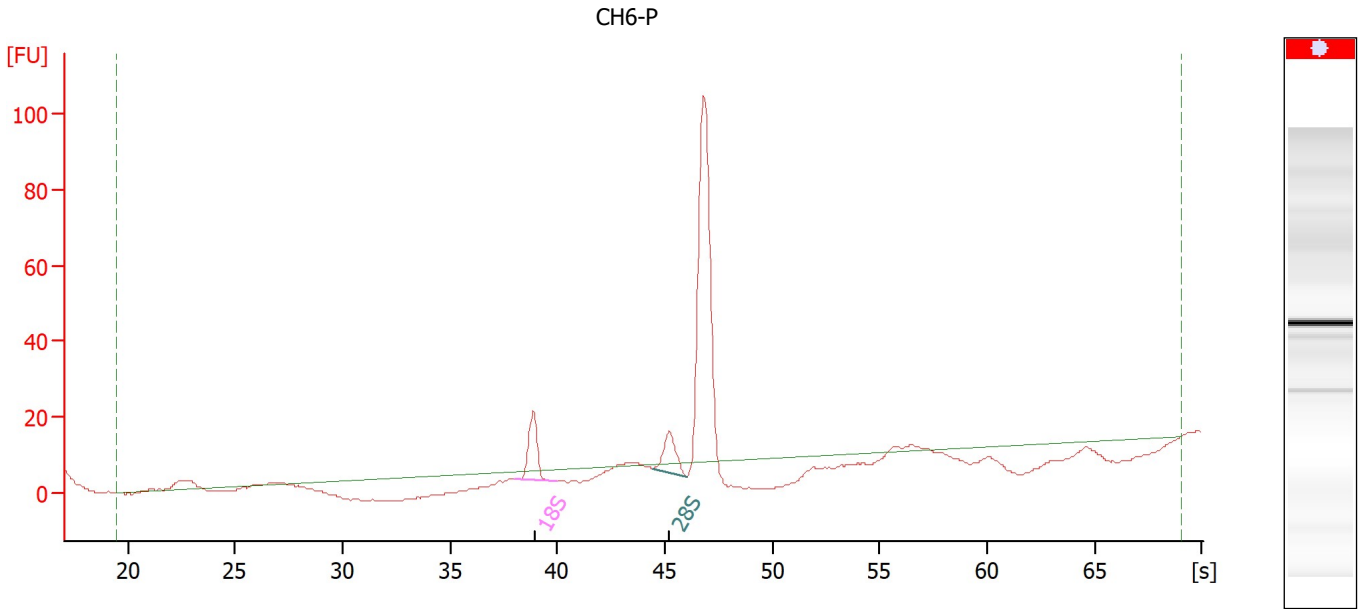
**Fragment table for sample 2 : CV3-P**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	35.55	36.25	1.3	1.8
28S	38.75	46.10	144.4	204.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : CH6-P**

RNA Area:	171.4	RNA Integrity Number (RIN):	5.6 (B.02.10)
RNA Concentration:	931 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]:	0.7	Result Flagging Label:	RIN: 5.60

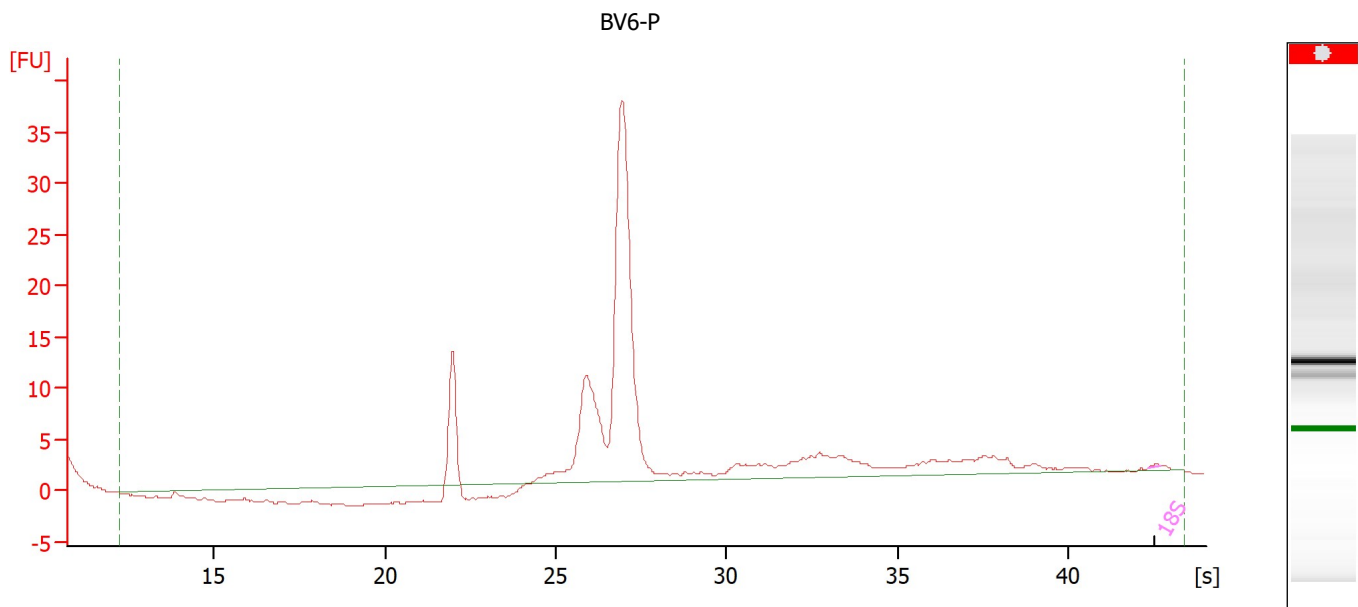
**Fragment table for sample 3 : CH6-P**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.05	39.95	21.6	12.6
28S	44.40	46.00	15.5	9.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : BV6-P**

RNA Area:	145.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	790 µg/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]:	0.0	Result Flagging Label:	RIN N/A

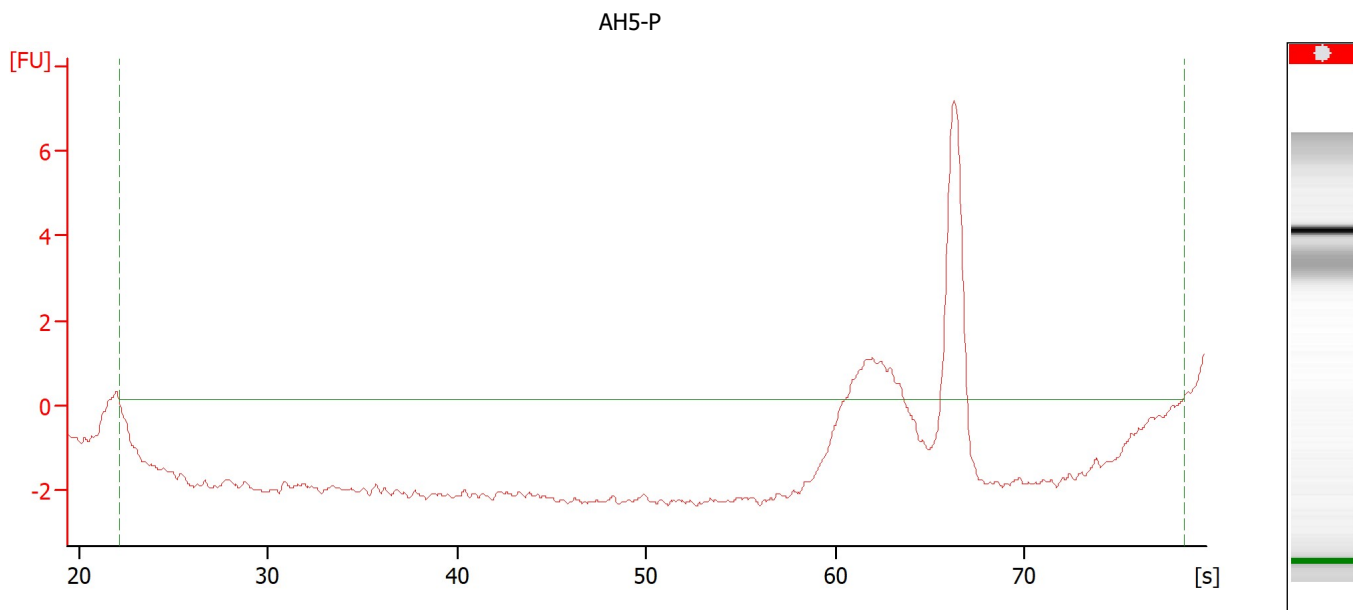
**Fragment table for sample 4 : BV6-P**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	42.30	42.68	0.1	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : AH5-P**

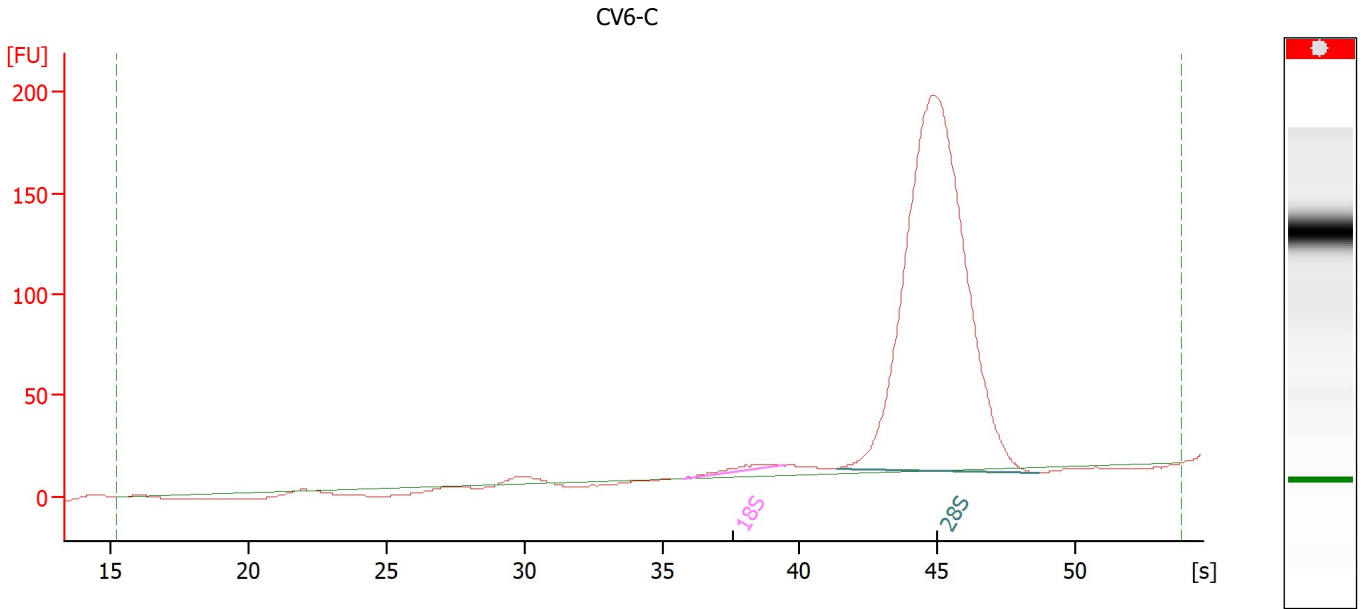
RNA Area:	11.3	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	61 pg/μl	Result Flagging Color:	<span style="background-color: #cccccc; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A



Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : CV6-C**

RNA Area:	1,137.1	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6,175 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]:	89.7	Result Flagging Label:	RIN N/A

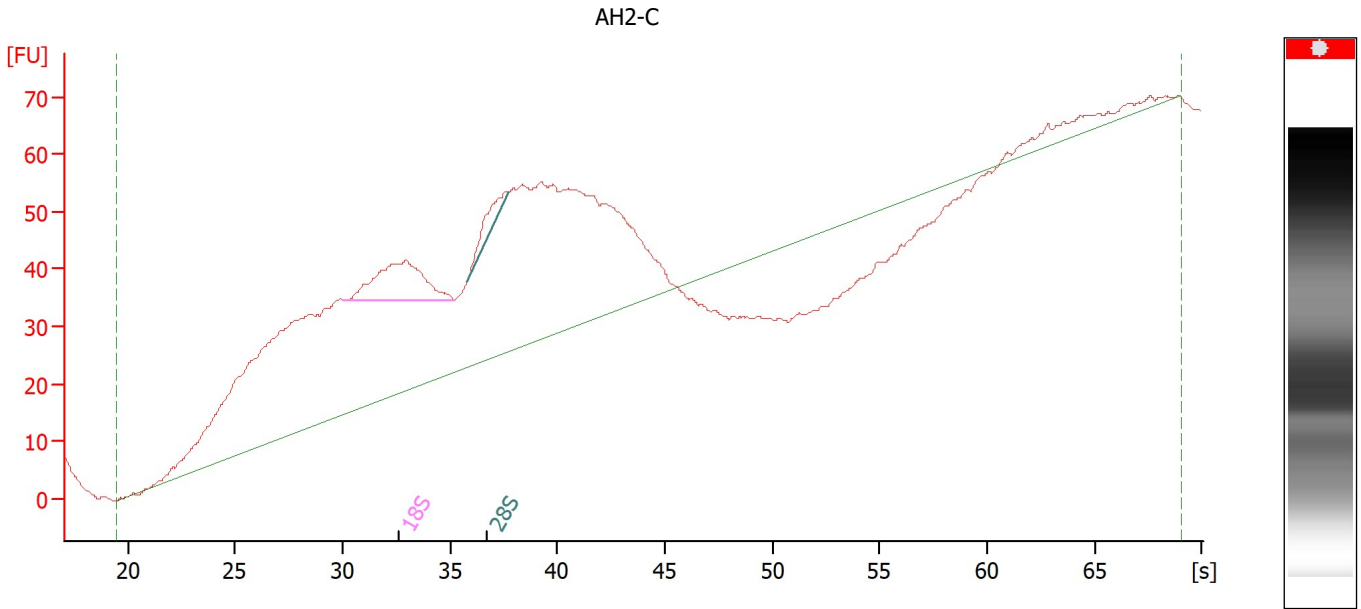
**Fragment table for sample 6 : CV6-C**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	35.77	39.44	11.8	1.0
28S	41.35	48.68	1,056.0	92.9

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : AH2-C**

RNA Area:	1,269.9	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	6,896 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]:	0.2	Result Flagging Label:	RIN N/A

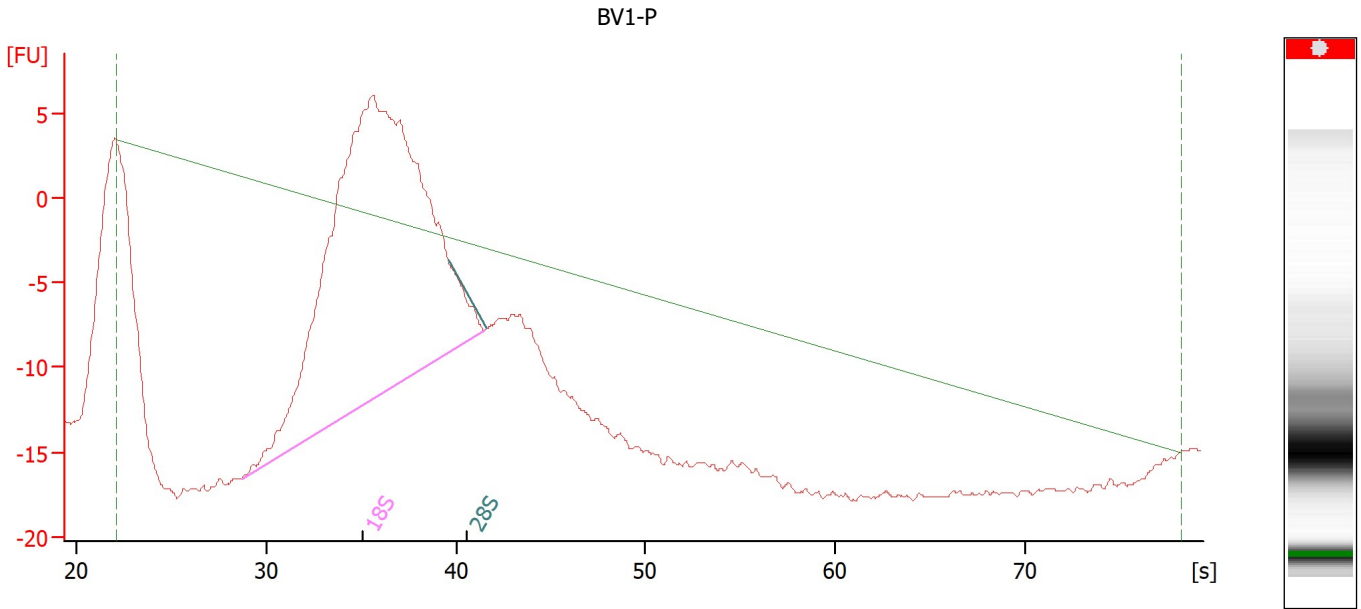
**Fragment table for sample 7 : AH2-C**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	30.00	35.20	55.8	4.4
28S	35.80	37.75	13.8	1.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : BV1-P**

RNA Area:	58.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	315 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]:	0.0	Result Flagging Label:	RIN N/A

**Fragment table for sample 8 : BV1-P**

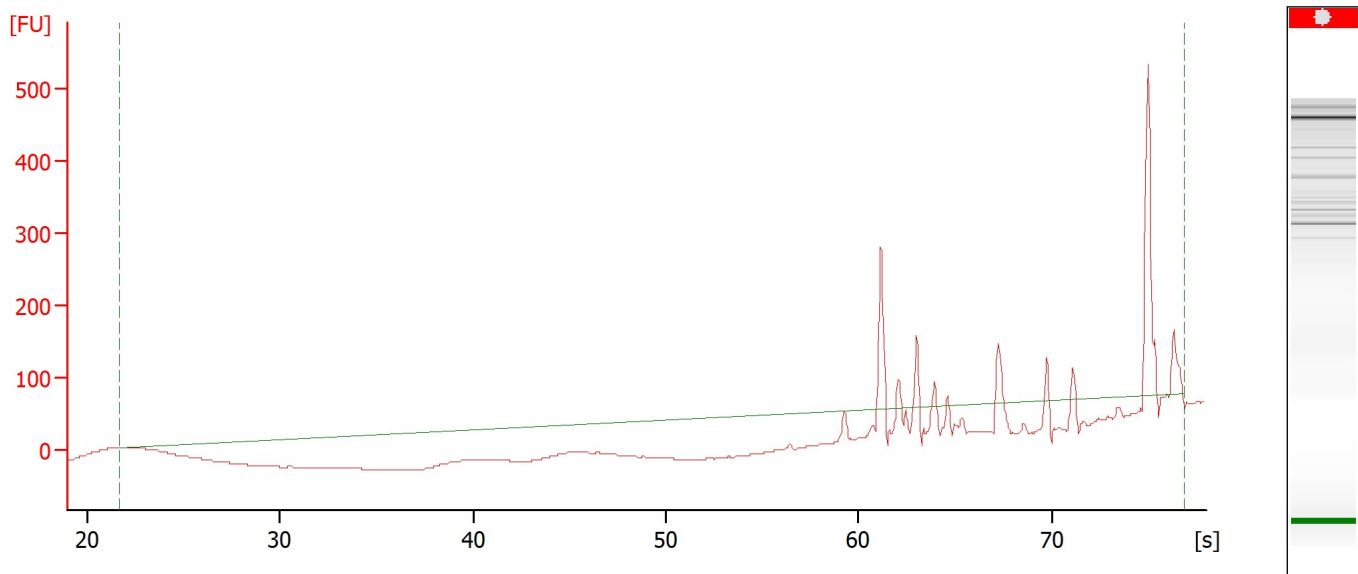
Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	28.69	41.51	296.5	510.8
28S	41.62	39.58	0.0	0.0

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**

AV5-C



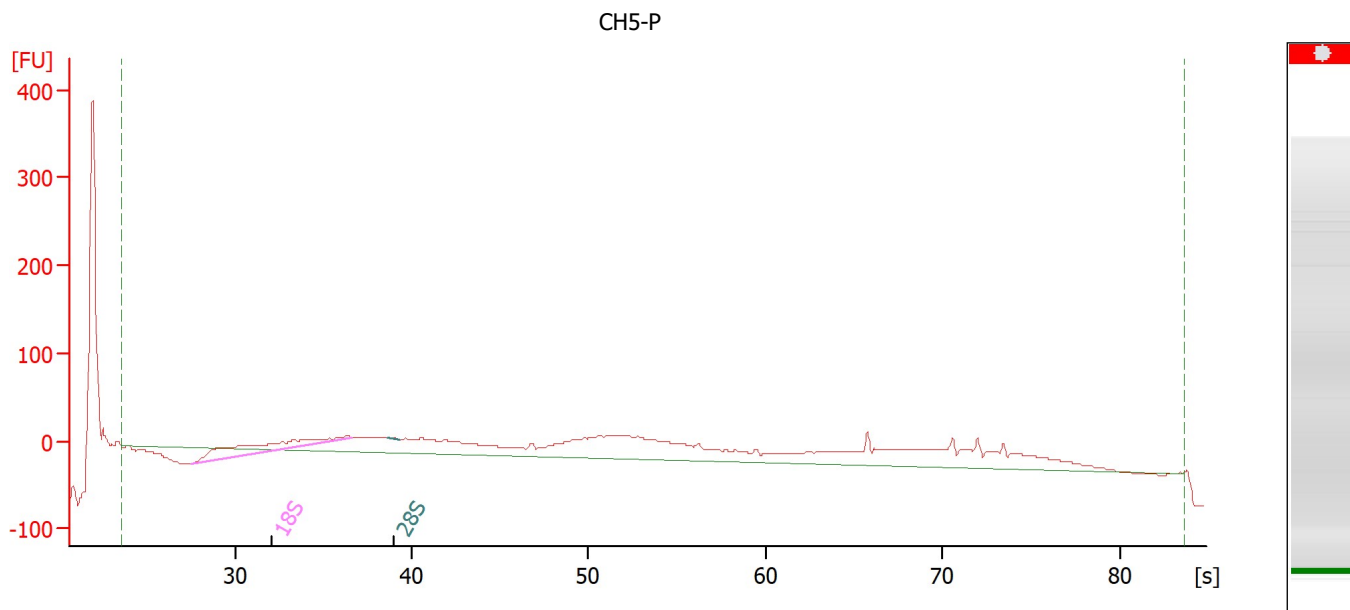
**Overall Results for sample 9 : AV5-C**

RNA Area:	417.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2,268 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]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : CH5-P**

RNA Area:	781.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	4,242 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]:	0.0	Result Flagging Label:	RIN N/A

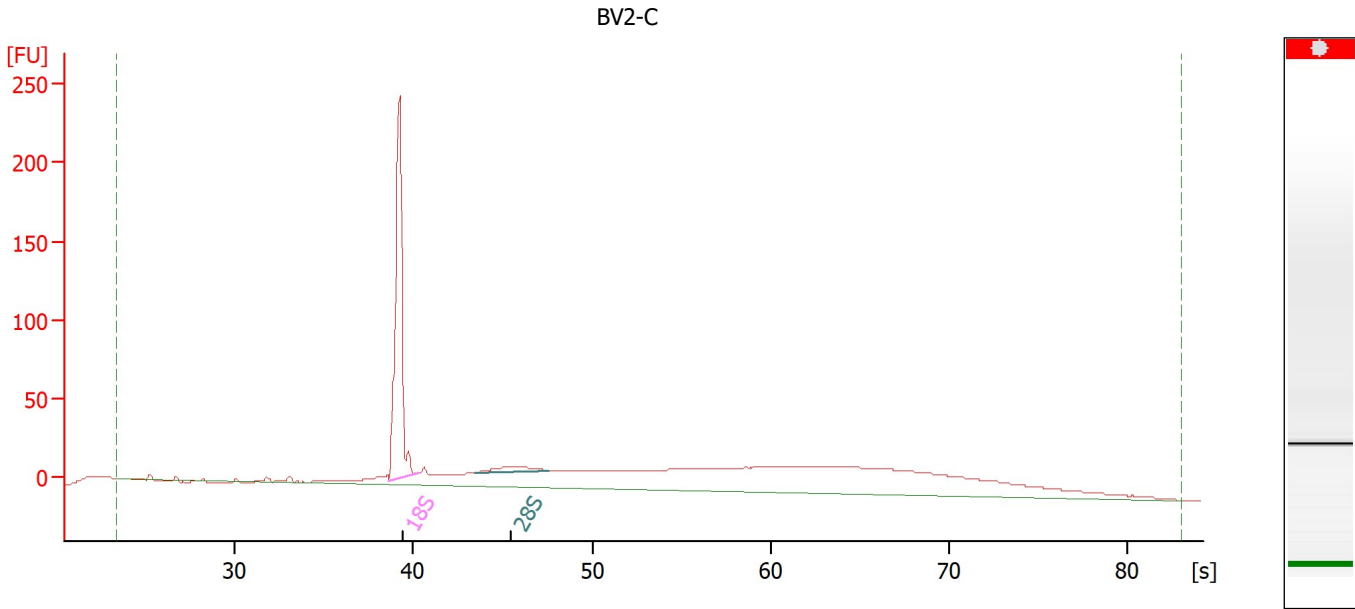
**Fragment table for sample 10 : CH5-P**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	27.52	36.67	210.4	26.9
28S	38.61	39.27	0.7	0.1

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : BV2-C**

RNA Area:	1,078.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	5,856 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]:	0.1	Result Flagging Label:	RIN N/A

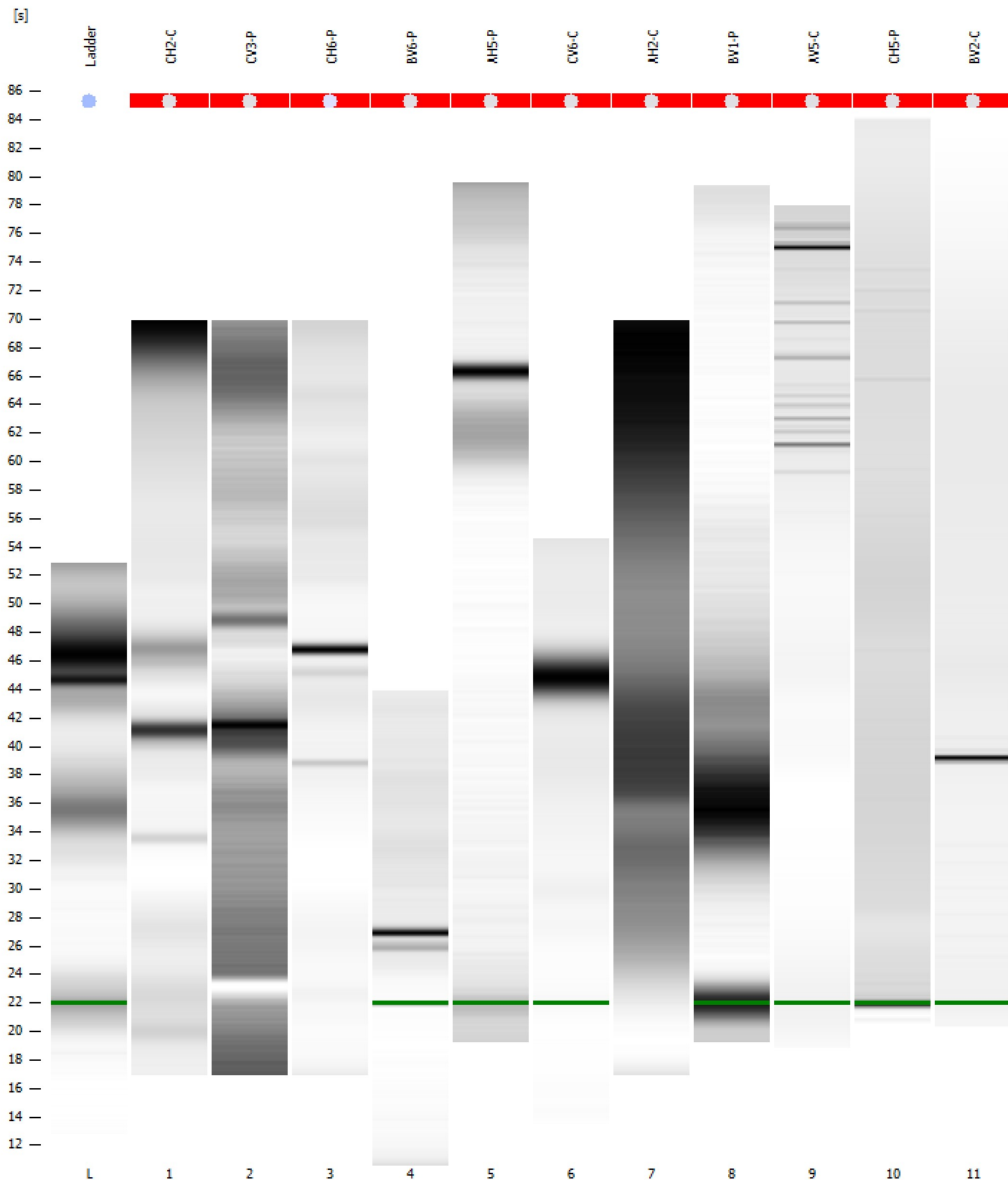
**Fragment table for sample 11 : BV2-C**

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.65	40.33	248.9	23.1
28S	43.46	47.55	16.8	1.6

Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Gel Image**

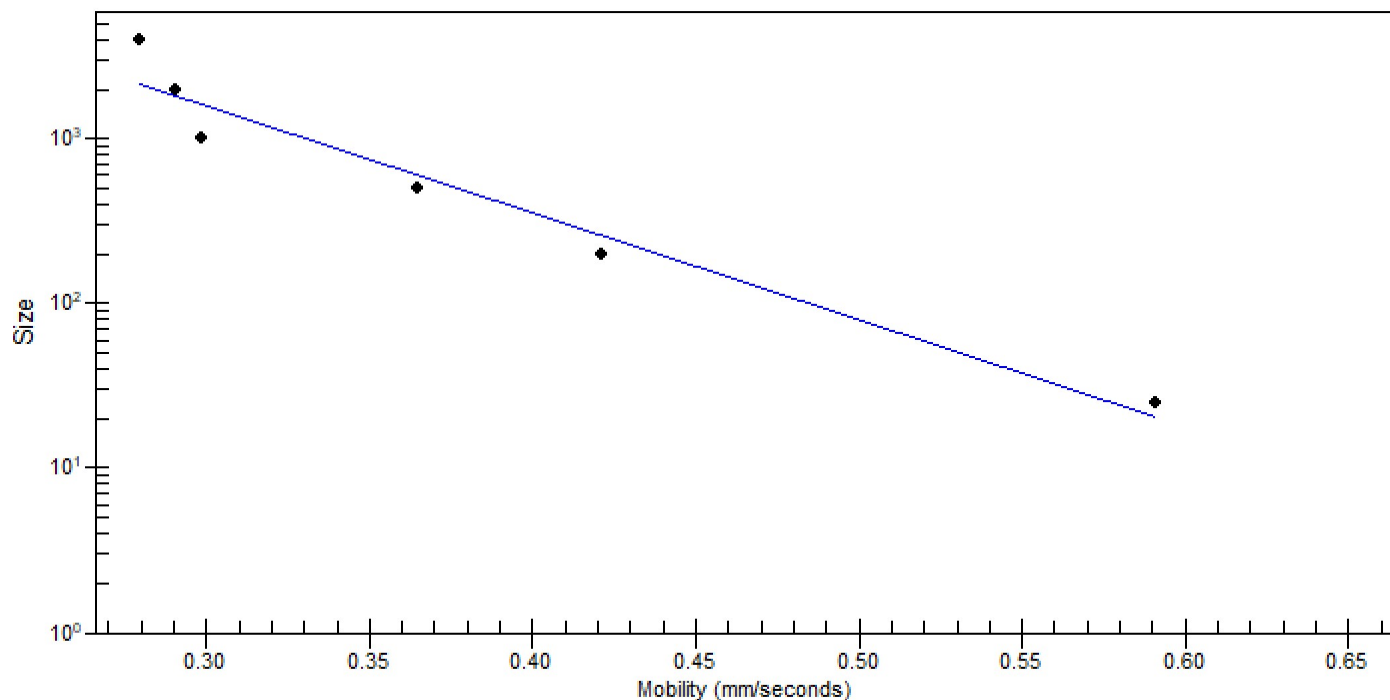


Assay Class: Eukaryote Total RNA Pico  
Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
Modified: 12/5/2019 11:33:44 AM

**Curves**

**Standard Curve**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: Z:\...05\Bioanalyzer1\_Eukaryote Total RNA Pico\_2019-12-05\_003.xad

Created: 12/5/2019 11:11:41 AM  
 Modified: 12/5/2019 11:33:44 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/5/2019 11:33:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-05\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-05_003.xad)		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/5/2019 11:11:46 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB