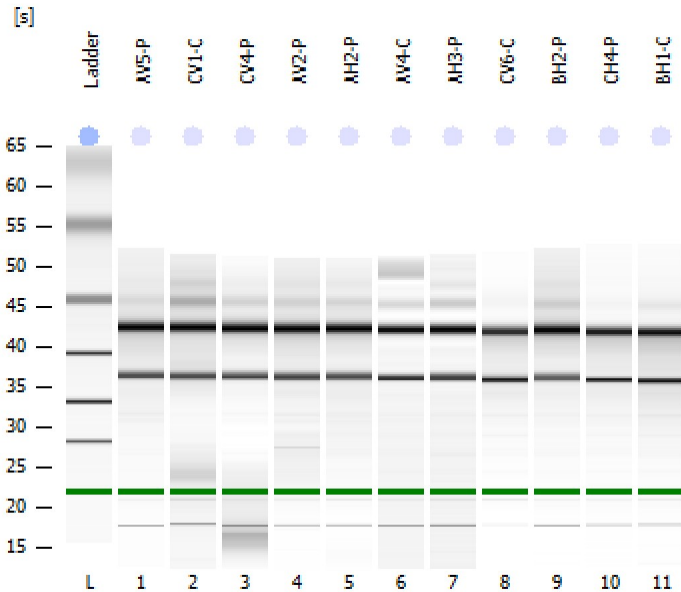


Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electrophoresis File Run Summary



Instrument Information:

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

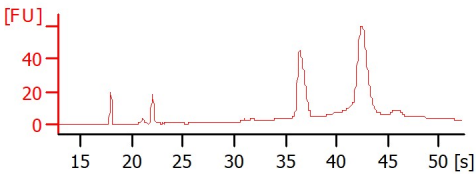
Assay Information:

Assay Origin Path: C:\Program Files (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.

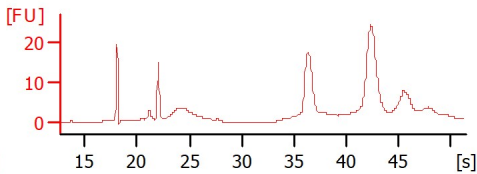
Chip Information:

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

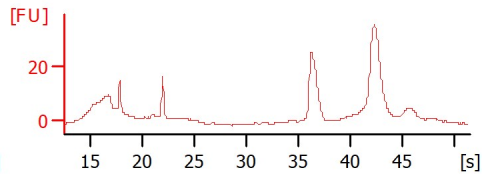
AV5-P
 RIN: 7.20



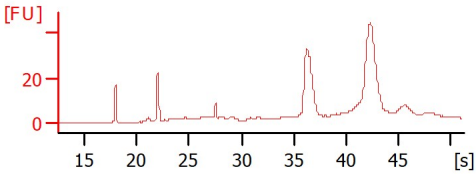
CV1-C
 RIN: 7.30



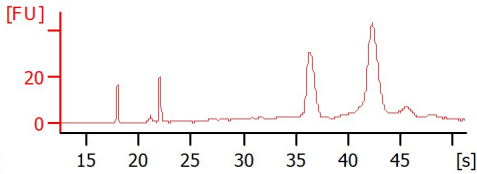
CV4-P
 RIN: 7.70



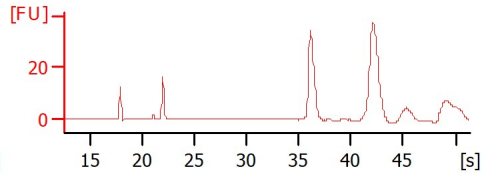
AV2-P
 RIN: 7.20



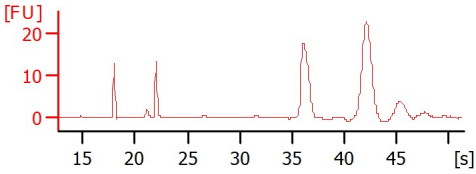
AH2-P
 RIN: 7.10



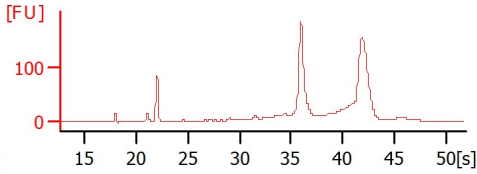
AV4-C
 RIN: 8.20



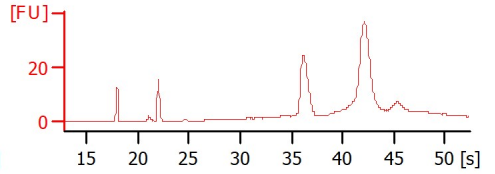
AH3-P
 RIN: 7.80



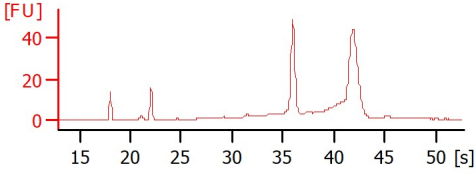
CV6-C
 RIN: 6.90



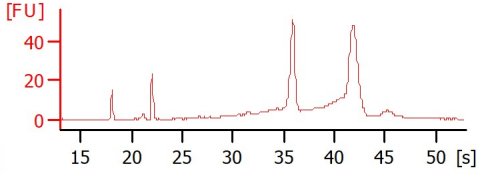
BH2-P
 RIN: 7.60



CH4-P
 RIN: 7.20



BH1-C
 RIN: 7.10



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AV5-P		✓	RIN: 7.20	
CV1-C		✓	RIN: 7.30	
CV4-P		✓	RIN: 7.70	
AV2-P		✓	RIN: 7.20	
AH2-P		✓	RIN: 7.10	
AV4-C		✓	RIN: 8.20	
AH3-P		✓	RIN: 7.80	
CV6-C		✓	RIN: 6.90	
BH2-P		✓	RIN: 7.60	
CH4-P		✓	RIN: 7.20	
BH1-C		✓	RIN: 7.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

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

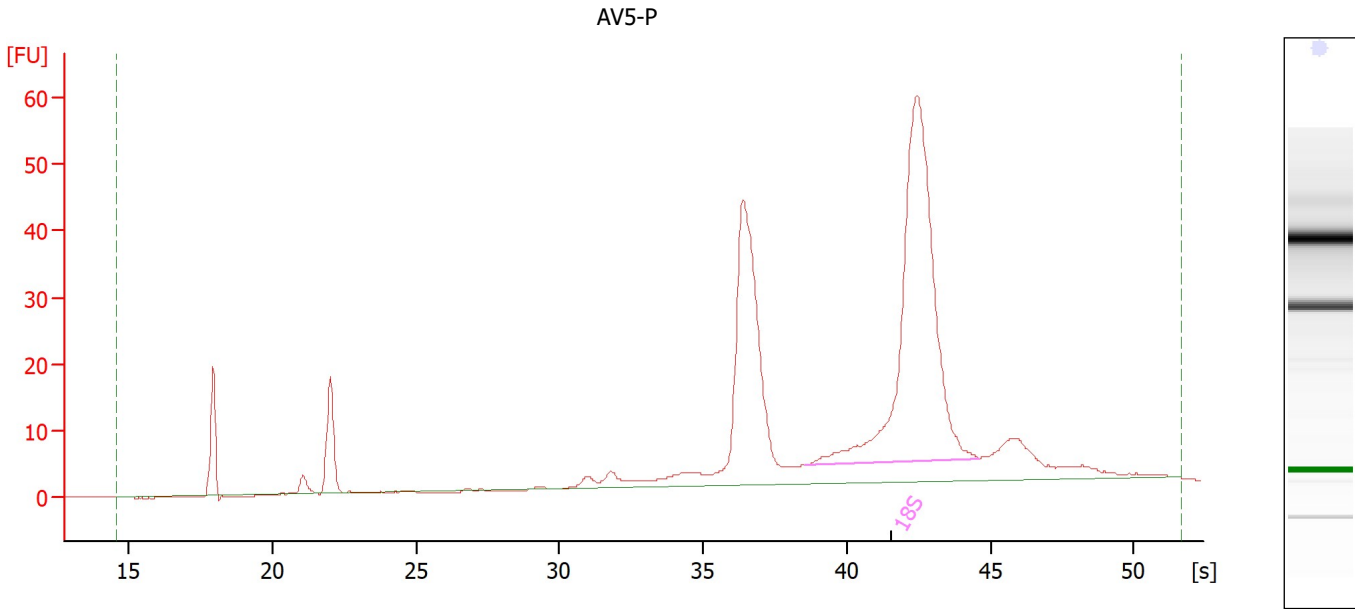
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary



Overall Results for sample 1 : AV5-P

RNA Area:	405.9	RNA Integrity Number (RIN):	7.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,044 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.20

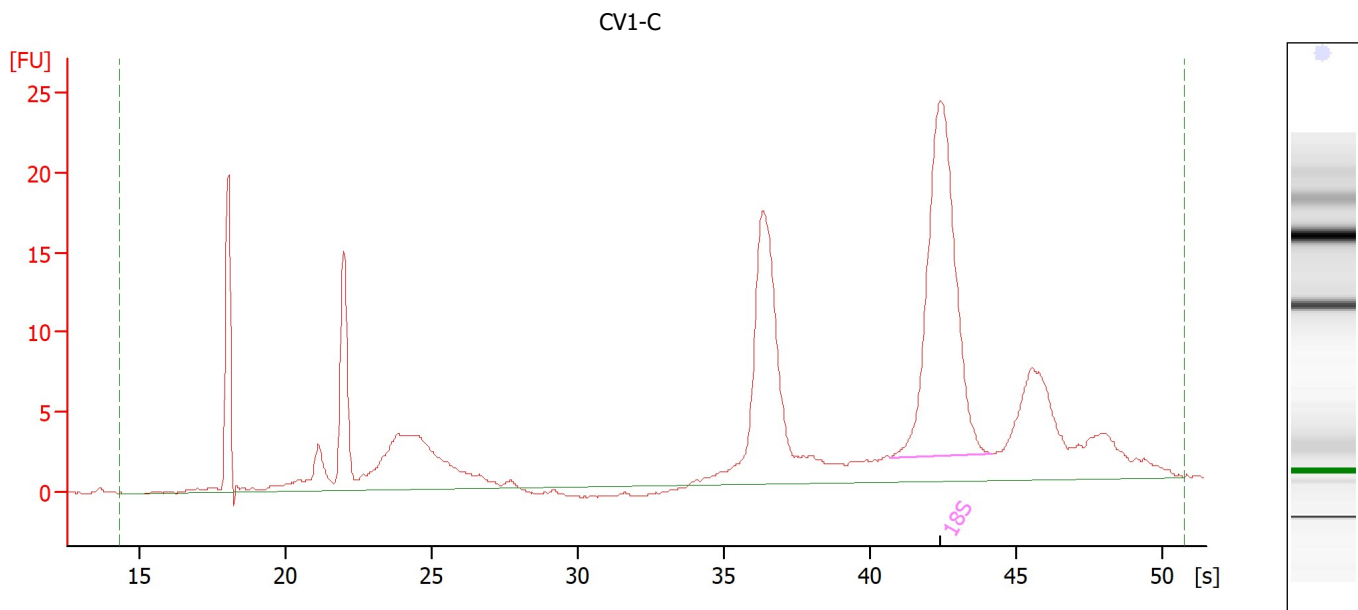
Fragment table for sample 1 : AV5-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.54	44.60	165.2	40.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CV1-C

RNA Area:	226.5	RNA Integrity Number (RIN):	7.3 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,699 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.30

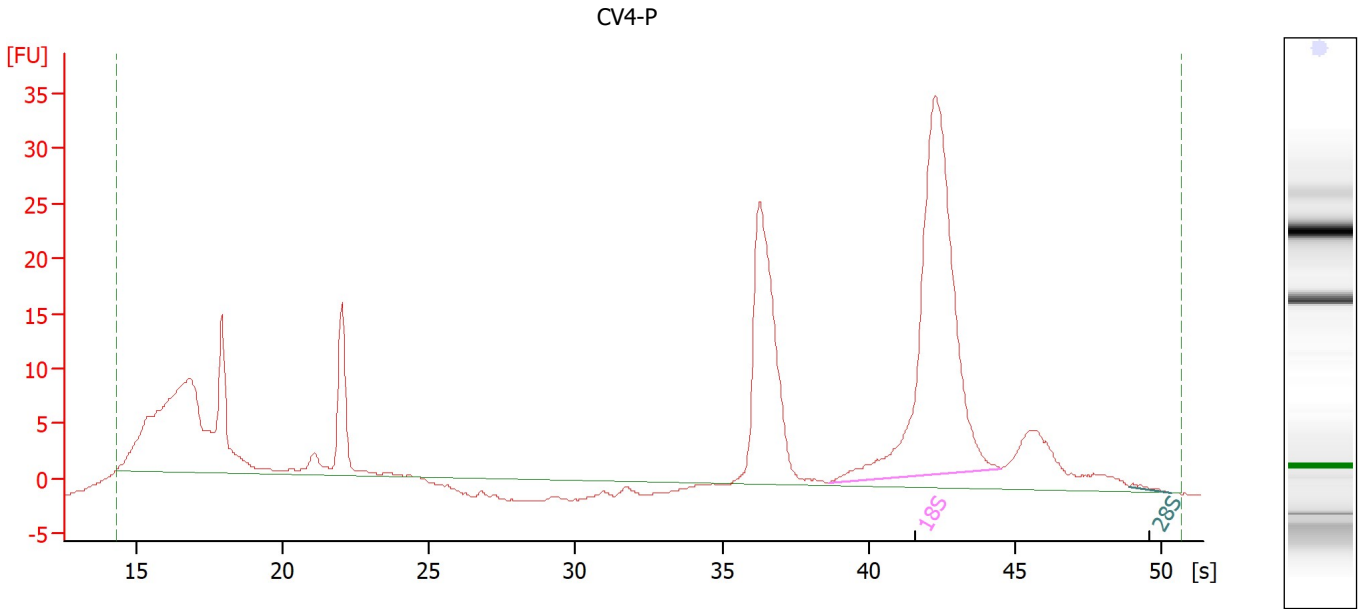
Fragment table for sample 2 : CV1-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.73	44.18	58.1	25.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CV4-P

RNA Area:	344.4	RNA Integrity Number (RIN):	7.7 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,584 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.70

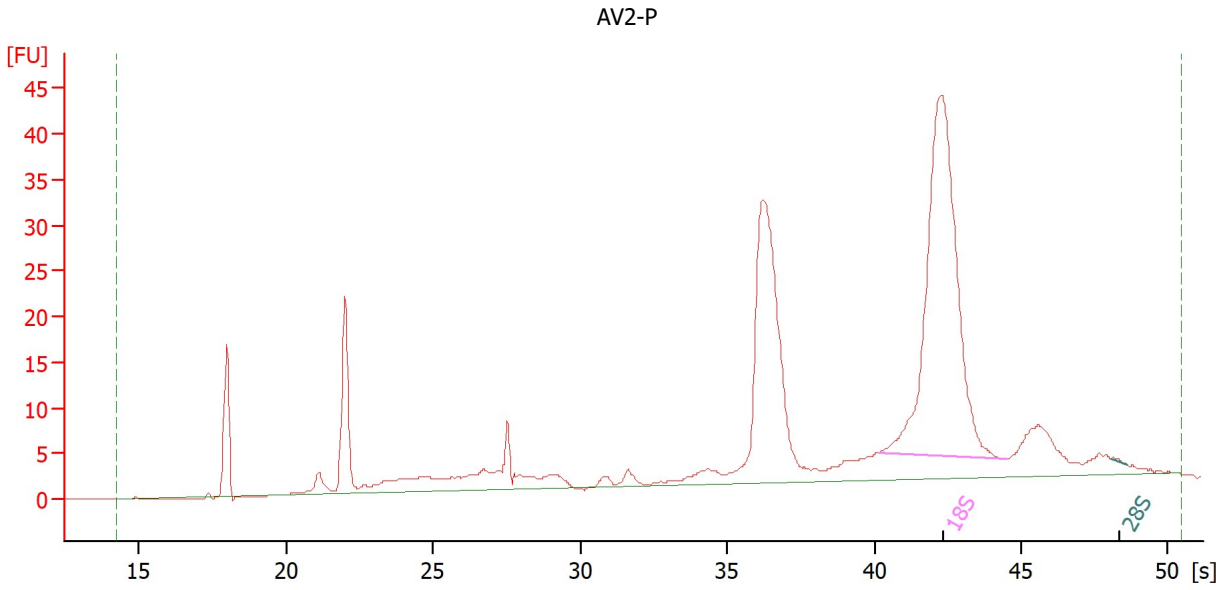
Fragment table for sample 3 : CV4-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.64	44.51	106.3	30.9
28S	48.92	50.35	0.4	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AV2-P

RNA Area:	332.7	RNA Integrity Number (RIN):	7.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,495 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.20

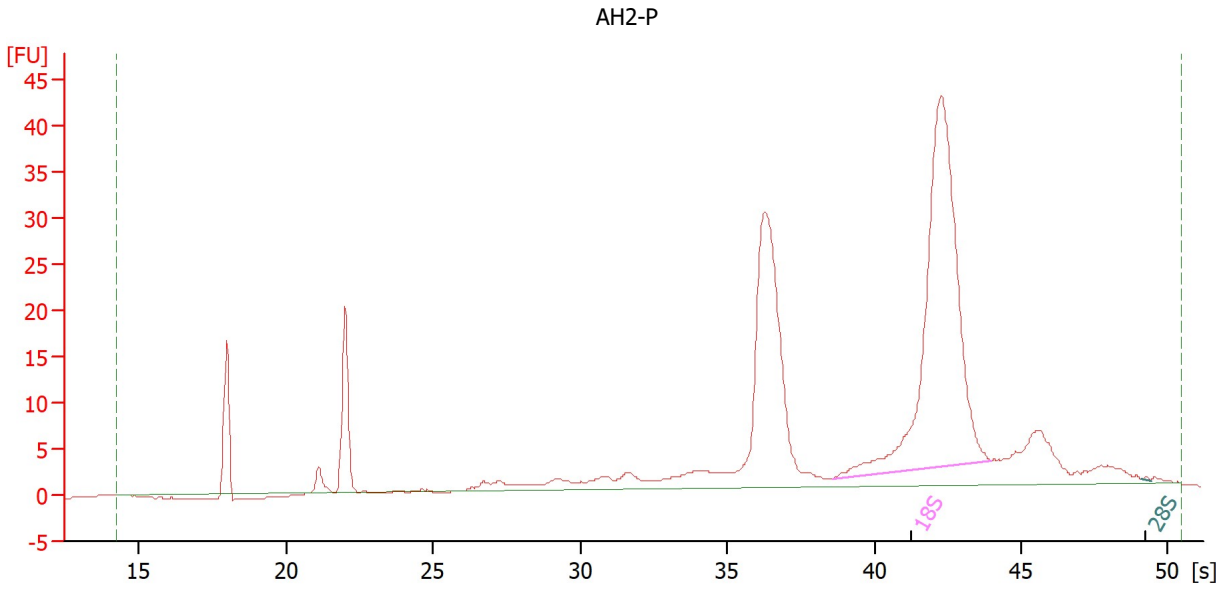
Fragment table for sample 4 : AV2-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.16	44.55	111.2	33.4
28S	48.06	48.64	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AH2-P

RNA Area:	301.6	RNA Integrity Number (RIN):	7.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,262 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.10

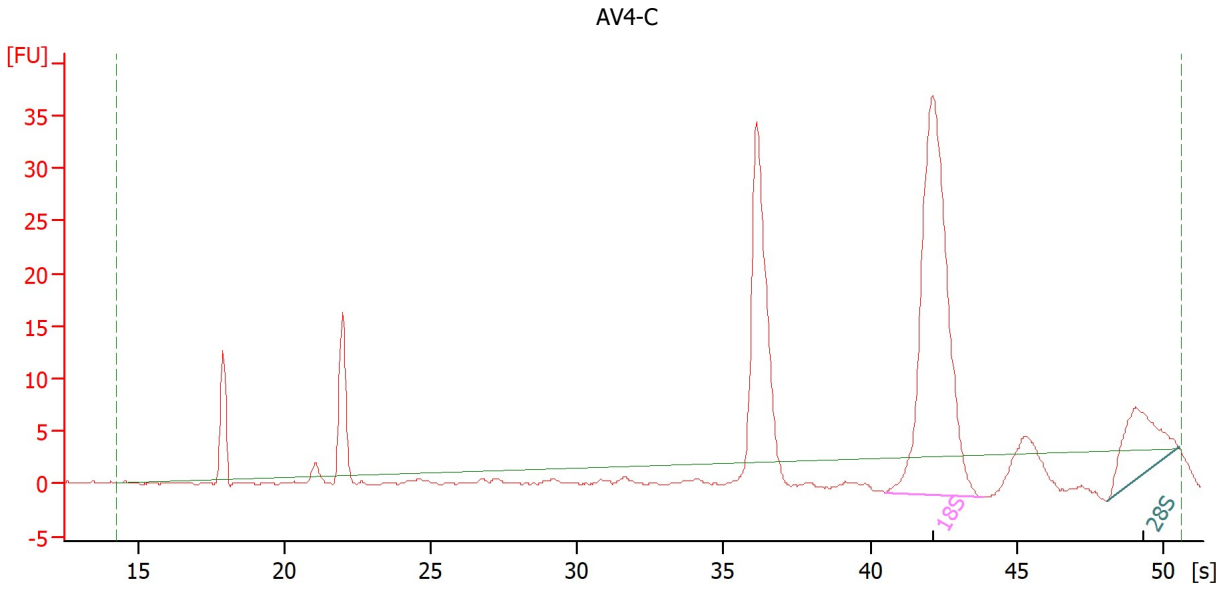
Fragment table for sample 5 : AH2-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.59	44.00	117.8	39.0
28S	49.12	49.41	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : AV4-C

RNA Area:	144.8	RNA Integrity Number (RIN):	8.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,086 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 8.20

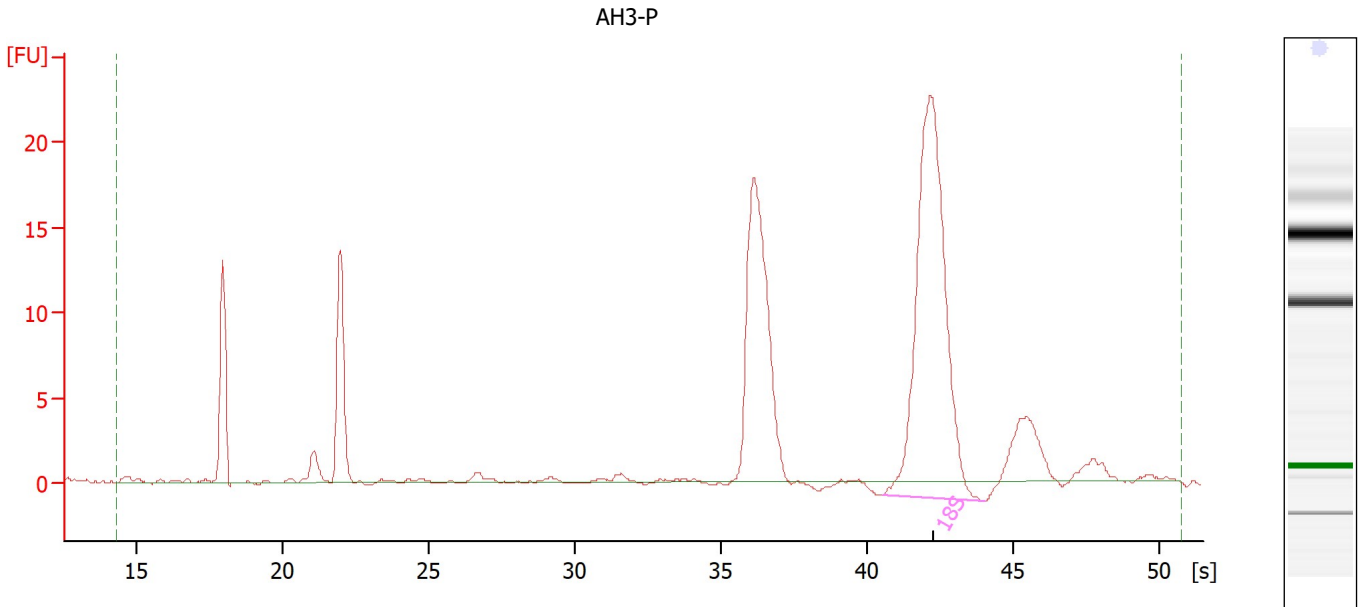
Fragment table for sample 6 : AV4-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.52	43.85	92.3	63.7
28S	48.07	50.53	18.0	12.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : AH3-P

RNA Area:	134.5	RNA Integrity Number (RIN):	7.8 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,009 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.80

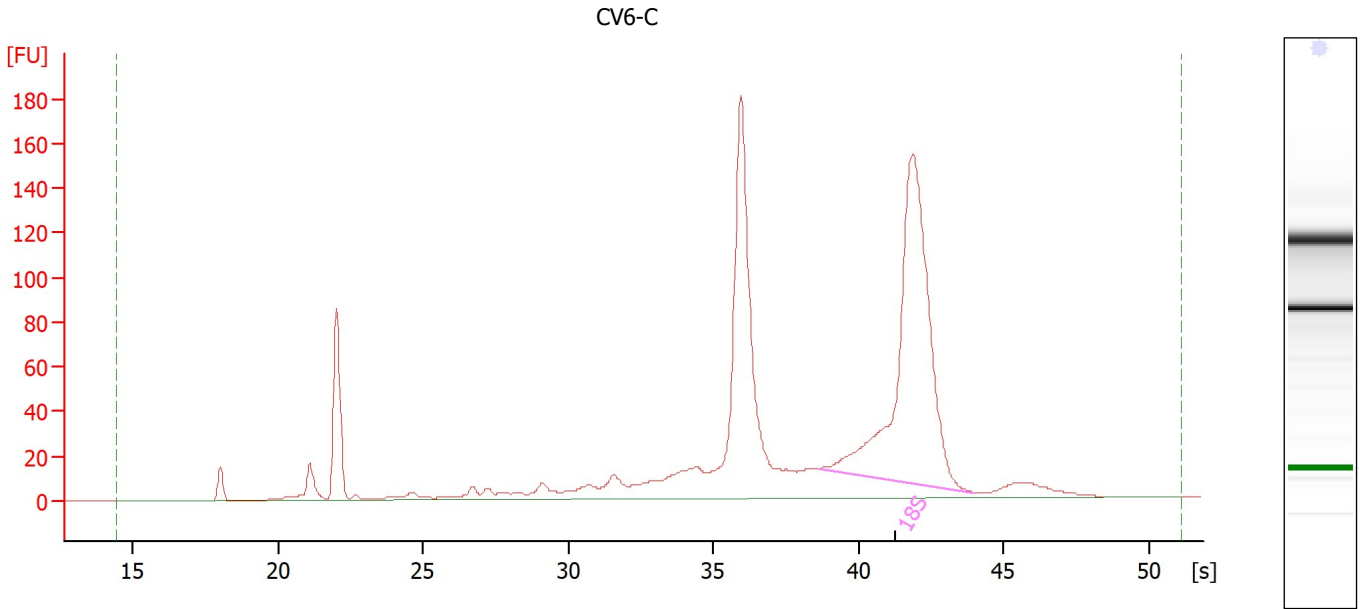
Fragment table for sample 7 : AH3-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	40.54	44.04	63.1	46.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CV6-C

RNA Area:	1,217.1	RNA Integrity Number (RIN):	6.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	9,129 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 6.90

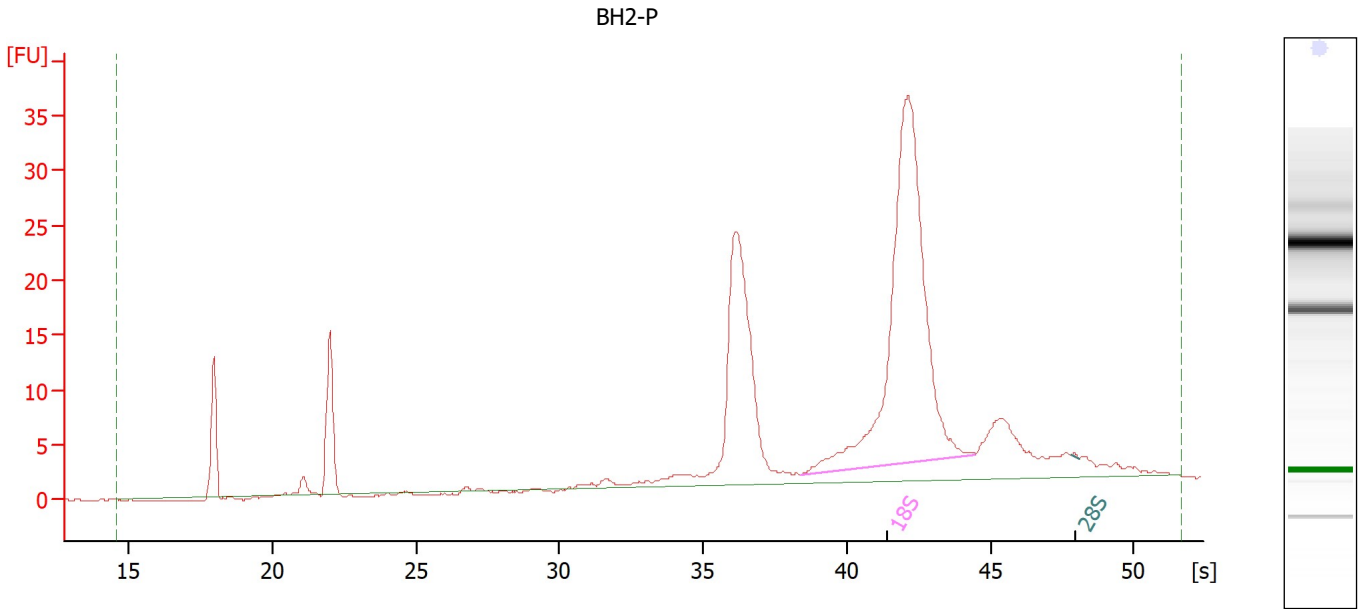
Fragment table for sample 8 : CV6-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.67	43.93	435.7	35.8

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : BH2-P

RNA Area:	246.4	RNA Integrity Number (RIN):	7.6 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	1,848 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.60

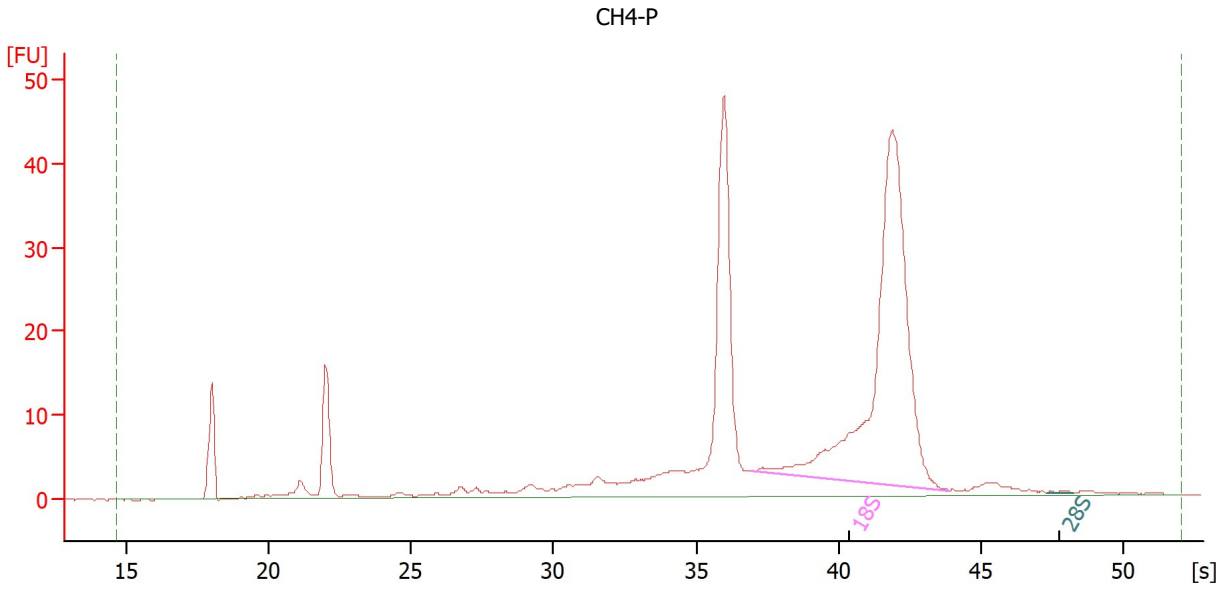
Fragment table for sample 9 : BH2-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.39	44.49	105.4	42.8
28S	47.82	48.08	0.1	0.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CH4-P

RNA Area:	330.0	RNA Integrity Number (RIN):	7.2 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,475 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.20

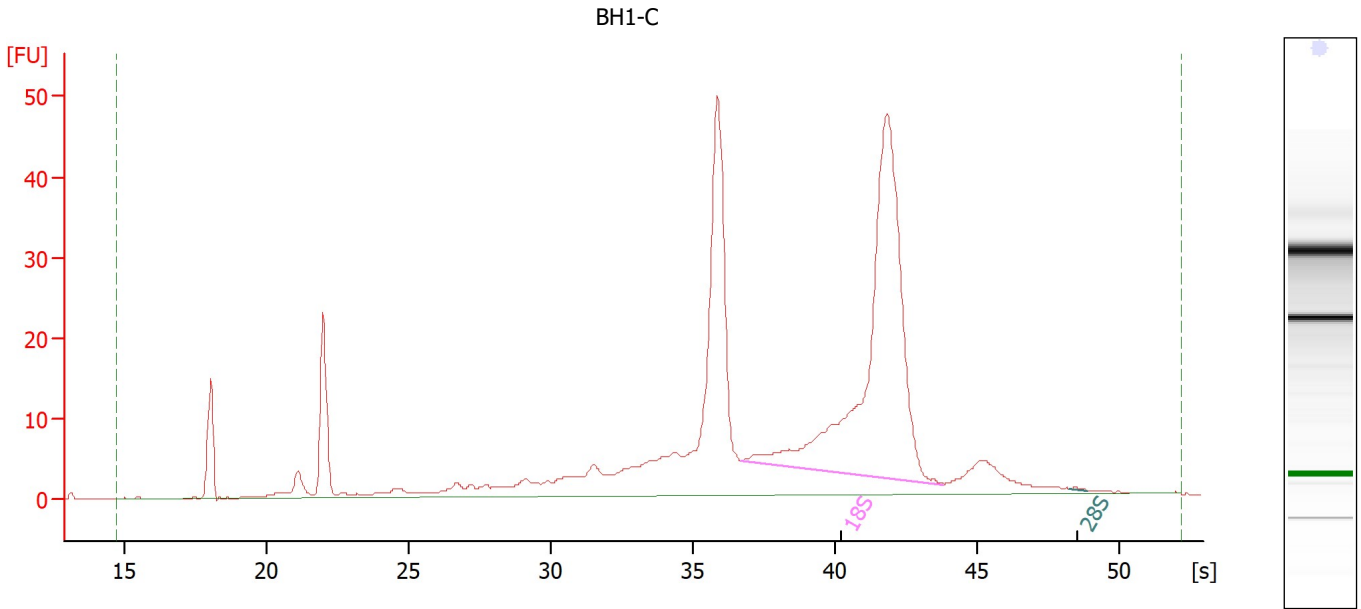
Fragment table for sample 10 : CH4-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	36.88	43.89	132.3	40.1
28S	47.32	48.22	0.2	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : BH1-C

RNA Area:	426.0	RNA Integrity Number (RIN):	7.1 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,195 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 7.10

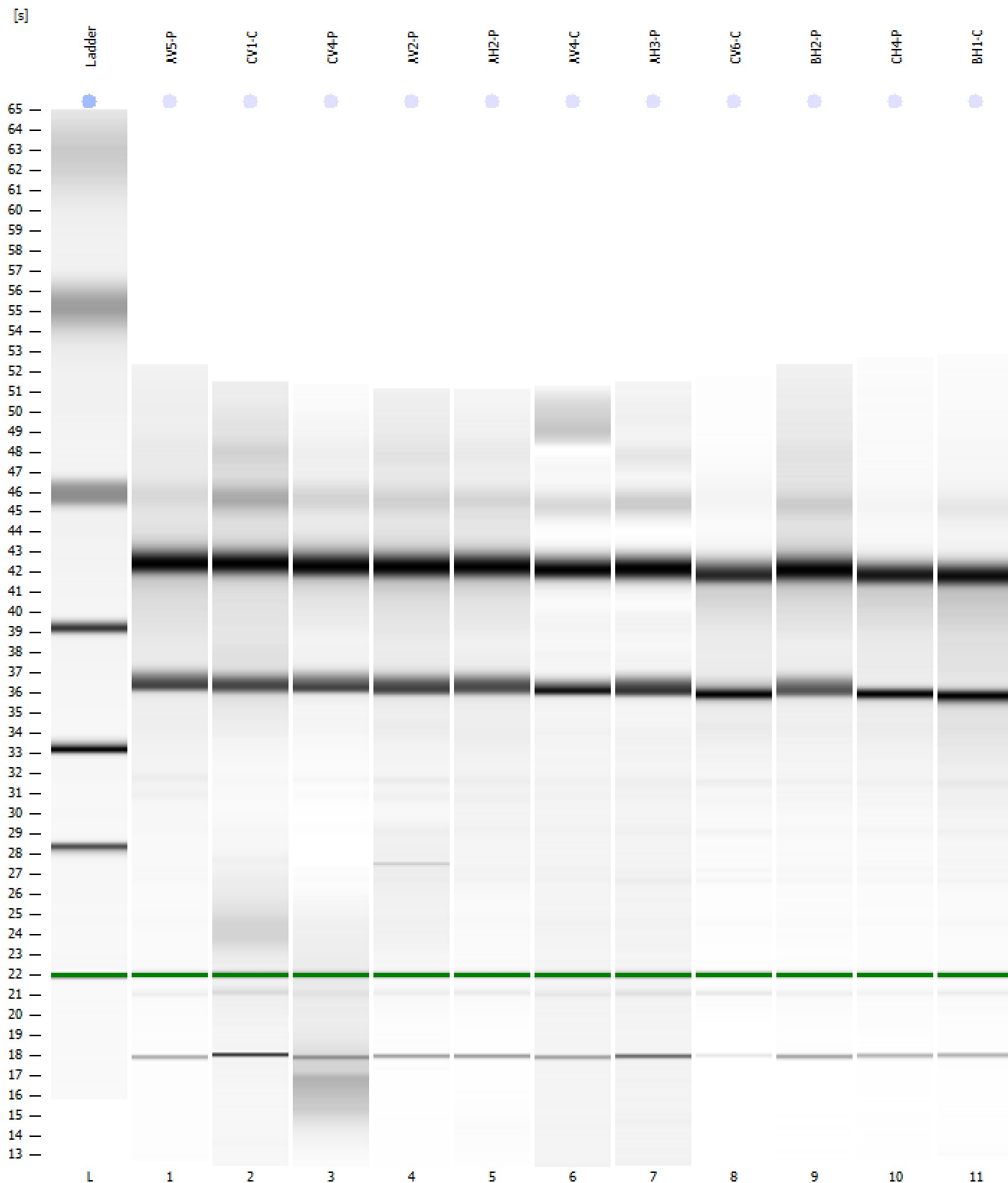
Fragment table for sample 11 : BH1-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	36.67	43.81	151.4	35.5
28S	48.27	48.88	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
Modified: 12/4/2019 12:20:43 PM

Gel Image

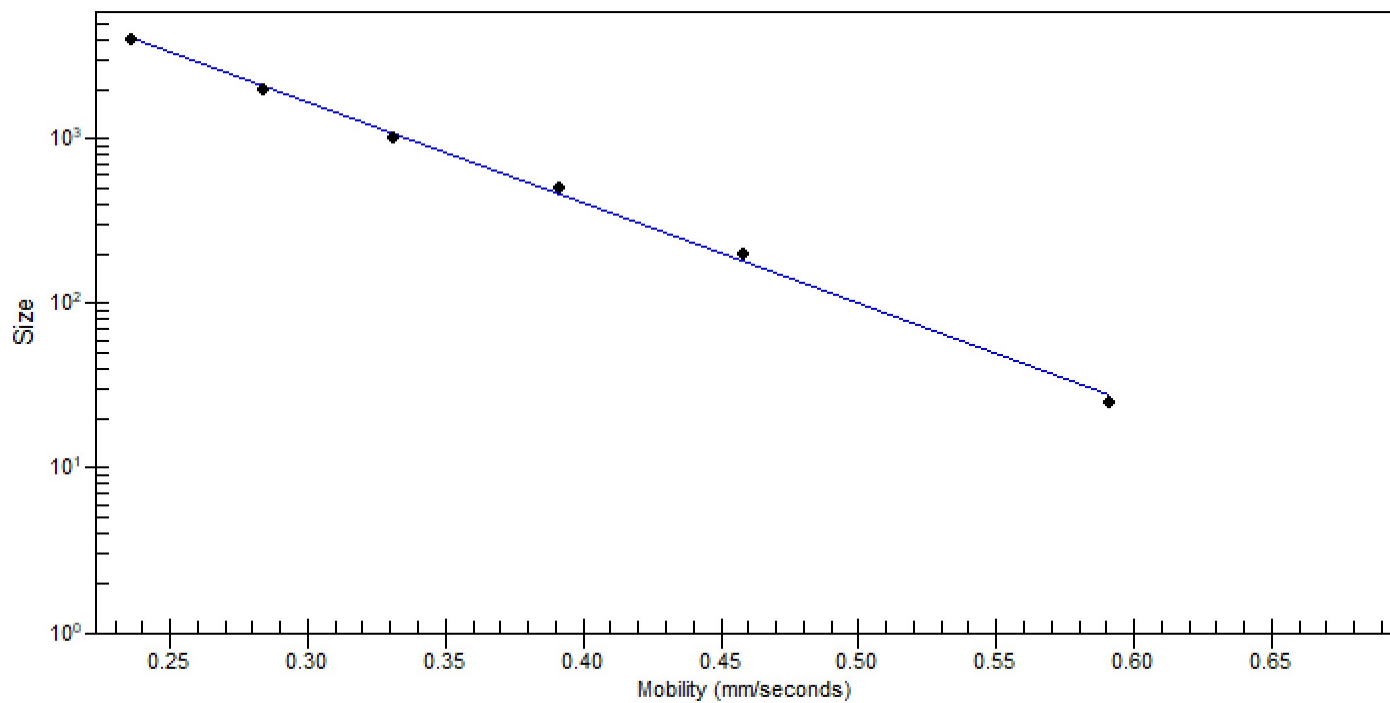


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
Modified: 12/4/2019 12:20:43 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...04\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-04_003.xad

Created: 12/4/2019 11:29:28 AM
 Modified: 12/4/2019 12:20:43 PM

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		12/4/2019 11:51:30 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-04\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-04_003.xad)		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/4/2019 11:29:34 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB